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# "Il Mondo dei Satelliti" di SatcoDX

Il programma "Il Mondo dei Satelliti" di SatcoDX contiene i dati tecnici di tutte le trasmissioni via satellite del mondo.


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# Il Mondo dei Satelliti

Database dei Satelliti di Tutto il Mondo - Programma Informativo

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© TELE-satellite – Minimum System Requirements: Pentium III – 128 MB RAM – 16 bit Colordepth – 800x600 Screen Compatible to Win 95, 98, ME, 2000, NT4, XP

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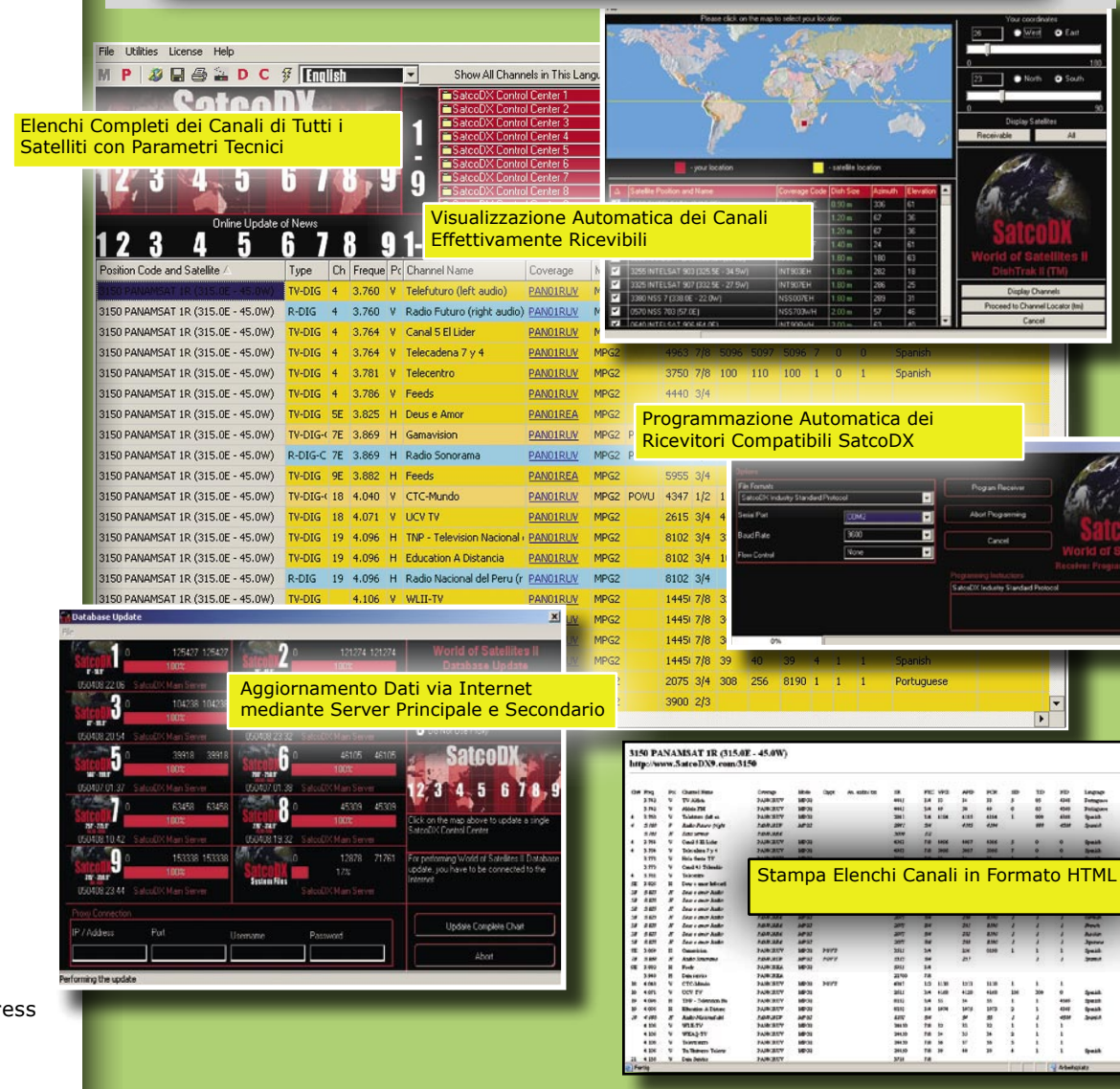

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**TM-5400 CI+ USB super**
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**TM-5600 CI USB super**
with Common Interface

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# Cari Lettori

*Quando si tratta di ricezione satellitare libera per qualsiasi cittadino, la Cina è rimasta per lungo tempo l'ultimo territorio non servito. Ma anche qui, le cose stanno per cambiare quest'anno. La ricezione satellitare individuale diventerà possibile con l'introduzione della DTH in Cina, che significa anche che la tecnologia della ricezione satellitare attingerà ad un immenso mercato di consumo. Comunque la Cina ha deciso di lanciare il suo proprio standard digitale: ABS-S. Potete leggere di più sui suoi aspetti tecnici nel racconto delle caratteristiche in questo numero.*

*Ciò significa che la varietà di standard digitali è ancora in crescita. Ricordo molto bene la discussione animata che avemmo in TELE-satellite molti anni fa, quando la televisione satellitare digitale in MPEG-2 apparve all'orizzonte. Molti di noi temevano che nel futuro ci sarebbe stata una sola varietà di ricevitori, poiché sarebbero stati o digitali, oppure no. Ragazzi, come ci sbagliavamo! Se osservate la diversità della tecnologia digitale, essa supera di gran lunga qualsiasi cosa che ci potevamo sognare nell'era analogica.*

*Allo stesso tempo è emerso che standard differenti possono essere integrati in un singolo prodotto. Per esempio, ci aspettiamo giustificatamente che i nostri splendenti ricevitori HDTV con DVB-S2 possano facilmente gestire le trasmissioni regolari in DVB-S. Così probabilmente non ci vorrà molto perché il nuovo standard cinese ABS-S sarà integrato anche nei ricevitori DVB-S/S2. Tenetevi semplicemente pronti perché la confezione dei ricevitori sarà più decorata con ancora più loghi, marchi di fabbrica ed etichette rispetto ad oggi.*

*Il vantaggio maggiore dell'ABS-S è che si tratta di uno sviluppo molto recente, che significa che funziona in modo più efficiente rispetto al DVB-S. Questo è il lusso di essere pazienti e saper aspettare. La tecnologia progredisce in continuazione e nella maggior parte dei casi un nuovo standard significa un passo avanti. Ad ogni modo, sarà interessante osservare se e come ABS-S prenderà piede nei mercati al di fuori della Cina. Per certi versi, questo dipenderà dalla politica delle licenze per l'ABS-S, ma principalmente verrà definito dai produttori cinesi che saranno in grado di ridurre ulteriormente i costi, ora che hanno l'immenso mercato cinese proprio di fronte alla loro porta. L'ABS-S potrebbe rivelarsi un rivale per il DVB-S2, che arriva anch'esso con la promessa di ridurre i costi grazie alla sua richiesta inferiore di larghezza di banda.*

*Il lancio del DTH in Cina allo stesso tempo apre il mercato cinese a tutte le altre aziende satellitari - sebbene la maggior parte degli attori siano già localizzati in Cina. Ciò che è certo è che l'industria satellitare guadagnerà uno slancio addizionale, che di per sé è una buona notizia all'interno della flessione economica attuale. Tutto sembra mostrare che c'è sempre spazio per l'espansione – dovete solo offrire il prodotto giusto al momento giusto per il mercato giusto.*

***Il vostro,***
***Alexander Wiese***

*P.S.: Il mio canale radio preferito questo mese è Peppermint FM, una nuova stazione dalla Germania su Astra 19,2° Est (12.633 H) con grande varietà di musica non-stop, nessun notiziario e solo occasionalmente un po'di autopromozione con lo slogan della stazione 'Tieniti fresco e giovane.'*

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- Playing recorded programmes at up to 64 times speed at maximum.
- Enables you to sort out any undesirable parts such as commercials during the programme.
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- Displays JPEG image files.
- Featuring a double-player game 'BATTLE TANK'.
- Plays media contents of YouTube.
- Firmware updates available : over-the-air, with a USB memory stick, and from the Topfield's firmware server via Internet.

**Features will be available by firmware updates**

- Enables you to record the video from an external device such as a digital camera.
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**GAME**
Featuring a double-player game „Battle Tank"

**UCC**
Playing media contents of YouTube

**DivX**
Supporting video files of DivX 3.11, 4.1 and 5.x

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- Firmware upgrade by Over-The-Air
- HDMI output

### TOPFIELD

TF 6500T HDMI NEW

DVB-T Receiver

- HDMI outputport, 576p, 720p, 1080i
- Fully DVB-T compliant
- 2000 service TV & Radio programmable

TF 6000 FE

Digital Satellite Receiver

- MPEG-2 Digital and fully DVB compliant
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- Digital Satlook NIT
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- Shows the complete spectrum in one picture
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- DiSEqC according to level 1.0, 1.1 and 1.2

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Satlook Micro G2 upgrade contains:
- CD with software
- New G2 carrying-case
- Owners manual

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- Spectrum-analyzer with expanded spectrum
- 5" 16:9 LCD color display
- DVB-S (Free to Air) and Analog TV-picture
- Digital BER, QPSK and S/N-ratio
- DiSEqC according to level 1.0, 1.1 and 1.2
- KU- and C-band (normal/inverted video)

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UNICABLE TECHNOLOGY

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- Max. 4000 channels receivable.
- Channel list mode
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- DiSEqC version 1.0, 1.2 USALS compliant

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ELANVISION EV-8000S

- Linux Operating System
- Ethernet Card 100 Mbit
- USB 1.1 Host Controller
- IBM Power PC ("STB04500/Pallas")
- Recording 2 channels simultaniously while playback another from HDD

and many more features

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- IRDETO
- VIACCESS
- ASTON / SECA
- CRYPTOWORKS
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- PREMIERE

- ALPHACRYPT Light
- ALPHACRYPT Classic
- ALPHACRYPT TC
- VIACCESS MPEG 2+4
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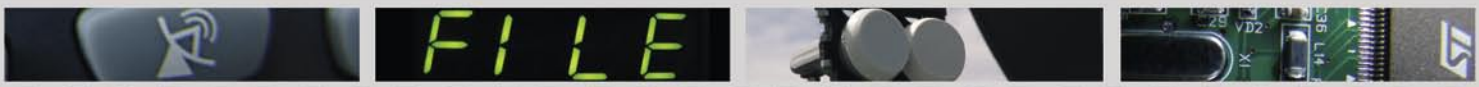


## HDTV Receiver Selection

### HUMAX iCORD

Twin HDTV PVR Reciever

- Recording 4 channels
- Time shifted recording for 2 hours
- Integrated 250 or 500 GB HDD
- 1080i, 720p, 576p, 576i video resolution
- AV File transfer by USB 2.0 port
- 2 Common Interfaces
- HDMI output

### TOPFIELD TF-7700 HD PVR

HDTV Digital Satellite Receiver with Personal Video Recorder

- Fully DVB-S / DVB-S2 (H.264) HD compliant
- With 2 tuners
- Time shift supported
- USB memory supported

### TOPFIELD TF-7700 HSCI / TF-7700 HCCI

HDTV for satellite and cable reception

- Supports MPEG-2, MPEG-4, H.264 and fully DVB compliant
- 2 Common Interfaces
- USB 2.0 supported for fast PC interface
- VFD Display for service information

## Motors

Aktuatoren/ Actuators

Mini Actuators – 6", 8", 10", 12"
Regular Actuators – 12", 18", 24"
Heavy Actuators – 24", 36"

H-H Mounts

SG 99 / SG 99 II – up to 1,00 m
SG 107 – up to 1,10 m
SG 2100 A DiSEqC 1.2 – up to 1,00 m
Stab HH100 DiSEqC 1.2 – up to 1,00 m
Stab HH120 DiSEqC 1.2 – up to 1,20 m

## LNBs

- MTI
- BEST
- INVACOM
- ALPS
- INVERTO
- MAXIMUM
- TITANIUM, etc.

– Single Universal
– Twin Universal
– Quattro Universal
– Quad Universal
– Octo LNB
– Monoblock Single Universal
– Monoblock Twin Universal
– Monoblock Quad
– C Band
– Circular
and many more

## MAXIMUM®

V-Series

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– V-1 Single
– V-11 Single + DiSEqC
– V-2 Twin
– V-40 Quattro
– V-4 Quad
– V-8 Octo
– V-21 Single Monoblock
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Full LNB range MAXIMUM available from stock

## Multiswitches / DiSEqC - Switches

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- DTRON
- JAEGER
- JOHANSSON
- MAXIMUM
- BEST

From 2 in/1 out
up to 17 in/36 out

S2 SPAUN™ Full Range

## Parts

Multifeedholder for 2, 3, or 4 LNB

Wallmounts

15 cm distance – Aluminium
25 cm distance – Aluminium
35 cm distance – Aluminium
45 cm distance – Aluminium
55 cm distance – Aluminium
35 cm distance – Steel
45 cm distance – Steel
50 cm distance – Steel
70 cm distance – Steel

F-Connector – 7 mm
F-Connector – 7 mm waterresistant
F-Connector – 4 mm and more

Remotesystems

AV-Linker – Videosender for remote control
Remote Blaster
Zapline 2 and more

BIG Link

Koaxialcable

High Qualitiy coax cable
Minicable Coax
Mini-Twincable Coax
> 100 dB / > 110 dB

## INVACOM QDH 031

AVAILABLE AS:

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– TWH-031
– QTH-031
– QDH-031
– SNF-031
– TWF-031
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## MICROELECTRONICS TECHNOLOGY INC.

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– MTI AP 82 XT2N Twin
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UNICABLE TECHNOLOGY

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90 cm – White, Black, Red
100 cm – White, Black, Red
120 cm – White
130 cm – White, Black
160 cm – White

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|---|---|
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| SDI | 1,80 m |
| Irte | 2,00 m |
| Irte | 2,40 m |

IRTE

## Flat-Dishes NEW

SELFSAT H 10 D

- Works on all Ku-band Satellites
- Cross polarization improved
- Ideal for High Definition (HD) reception

MAXIMUM Flat-1

- Receives alle programs broadcasted by european satellites
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MAXIMUM®

E-85 Multifocus 48° Dish

- Ellipse shaped dish
- LNB holder for 5 LNBs, 48°
- Turnable mounting bracket for optimized reception
- Steel with polyester coating

## Balcony mounting parts

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50 cm distance – Steel

120 cm length – Ø 6 cm

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– Balcony stand 100 cm Aluminium
– Balcony stand 100 cm Steel
– Balcony stand "Holland"
– Balcony holder L-form 25 cm
– Balcony holder L-form 50 cm

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# Maintenance for your satellite installations

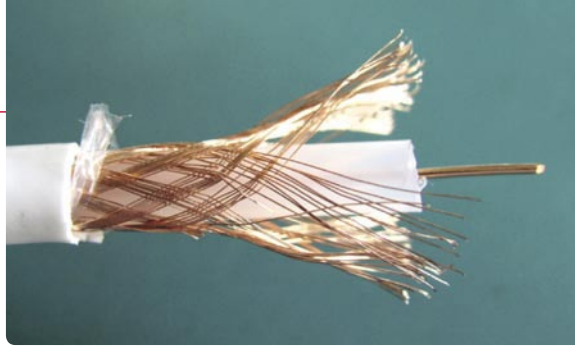
**Heinz Koppitz**

*New receivers are always impressive with their promises of user-friendliness, ample editing options or blind scan. HDMI and more aspect settings may improve video output while a USB interface speeds up software updates and may even allow storing video streams on external media. Still, a perfectly running system does not require a new set-top box every other year. After all, most satellites are increasing their transmission power with every new generation of orbital birds and this means that even a slightly outdated system will work perfectly in most conditions. What is much more important is regular maintenance and exchanging faulty components so that viewing pleasure is guaranteed even in bad weather.*

## Exchanging the LNB

Many receptions systems were set up back in the analog age, some even at a time when only the lower band of the Ku band was being used. Do you already have a universal LNB? If not, you should rush to the store and get one right away – you'll be surprised how many additional transponders you'll be able to receive all of a sudden.

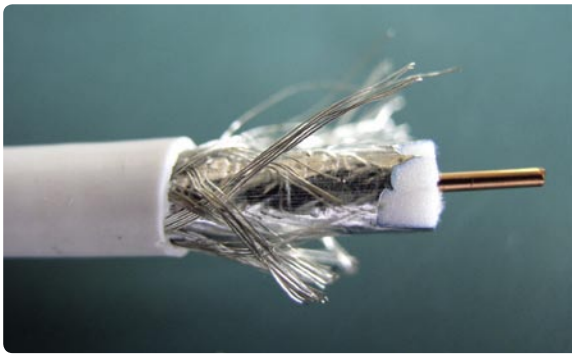
LNBs are subjected to the elements and their performance suffers if moisture cannot be kept outside. But even if your old LNB is still fine it's well worth getting a modern universal LNB with a low noise figure (0.3 dB), which will improve the threshold of your system in any case.



Single screening cable

## Exchanging the coax cables

Old cables can be cracked, squeezed or otherwise damaged, which in most cases leads to problems that are hard to identify. There was a time when most coax cables came with only single screening, which is not enough to effectively block out interference from other signal sources. If that is the case we recommend replacing all cables and making sure new cables provide double screening – which comes as standard these days.



Double screening cable

## Aligning the satellite antenna

Due to wind and corrosion your antenna may not be in perfect position after a few years. This is why you should look at the exact antenna alignment once a year. When doing this, the reception bar provided by the receiver when searching for signals or – depending on the receiver model – also in the info bar can be helpful for this job, even though this is of little use when the dish is on the rooftop and the receiver down in the living room. You might want to use a small satellite finder instead, which is attached to the antenna cable right at the LNB output and indicates the signal strength.

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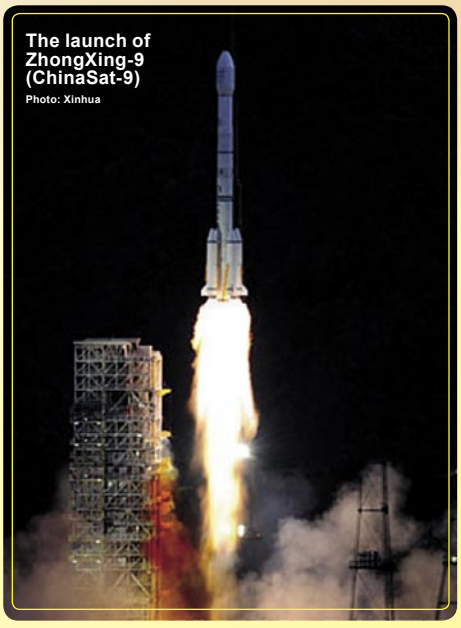
# ABS-S: a competition for DVB-S/S2?

**Jacek Pawlowski**

*When we were reading a press release about the launch of ZhongXing-9 (ChinaSat-9), it looked like something quite routine. It was nothing out of ordinary that China had another DTH satellite in service. It was the coding and modulation this satellite was supposed to use that surprised us. It was neither DVB-S nor DVB-S2. It was something brand new: ABS-S (Advanced Broadcast System-Satellite).*

We all know that the standardization is a very useful practice. However, it happens really rarely that one thing is accepted all over the world. For example analog TV had always a few standards in different regions of the world (PAL, NTCS, SECAM, D2-MAC). Digital TV is no exception. Of course, our readers are very familiar with DVB-S and DVB-S2 standards but these are not the only ones in use. There is also the DSS (DirectTV) in North and South Americas and ISDB-S in Japan. They are similar to DVB but not identical. A receiver capable of receiving one standard is useless for the other. And now, China decided to establish the forth standard: ABS-S.



The launch of ZhongXing-9 (ChinaSat-9)
Photo: Xinhua

ZX 9 (Chinasat 9)
Photo: Thales Alenia Space

Why create yet another standard? One obvious reason is evading the expensive license fees. For example, every receiver manufacturer has to pay a royalty to MPEG organization for every unit sold. Taking into account the population of China, the amount of money involved is huge. We are speaking of 400 million households! China administration started a program called "Every Village" aimed at making digital satellite TV available to a large percentage of country population. This means that a receivers must be really cheap.

It all started back in June 2002 when the Chinese AVS standard has been published. AVS stands for Audio Video coding Standard. AVS compared to MPEG has some advantages. It has twice or three times the coding efficiency of the traditional MPEG-2 - so it is closer to H.264 (popularly called MPEG-4). However, the complexity of algorithms is lower than that of H.264. Thanks to that AVS requires less memory and occupies lower bandwidth. While H.264 is the video encoding standard only, the AVS deals with video, audio and media right management altogether. So it is a complete industry system for coding the source data.

ABS-S goes one step further. Similarly to DVB-S2 which is based on H.264 and MPEG-2, the ABS-S is based on AVS standard. ABS-S has bandwidth efficiency similar to that of DVB-S2 (ca. 30% more data can be sent compared with DVB-S in the same transmission channel). DVB-S2 efficiency is already close to the theoretical limit (Shannon limit) and apparently so is ABS-S. At the same time ABS-S is regarded as simpler from the technical point of view. This gives a better chance that a higher number of IC manufacturers can master this technology in relatively short time. DVB-S2 and H.264 are rather complex and not too many IC manufacturers offer compatible chips.

For example, ABS-S does not use BCH code, it can seamlessly combine fixed-rate modulation (CCM), variable bit-rate modulation (VCM) and adaptive coding modulation (ACM). It uses forward error coding where it is difficult to implement LDPC (low density parity check) and depending on application one can use different rate in 4 modulation modes: QPSK, 8PSK, 16APSK, 32APSK. There are more differences between ABS-S and DVB-S2 but they are all understandable only for the high-tech professionals.

At the moment, we do not have a credible independent assessment of the new standard. Will it be really almost as good as DVB-S2 while being cheaper and simpler to use and as Chinese sources claim? When we have such opportunity, we will perform such a test for you.

It can be interesting to watch what the world IC maker will do. Will they ignore the new standard and let the Chinese manufacturers monopolize the China market, or they will fight to offer their own implementation of ABS-S/AVS compatible chips? Will it be possible to create a universal chip suitable for both standards: DVB-S2 and ABS-S?

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# Dizipia DS4H-9160
## Più grande e migliore

*Non avrà un nome accattivante, ma il DS4H-9160 del produttore Coreano Dizipia si impone per il suo aspetto e la dimensione. Il ricevitore, racchiuso in un case nero lucido, è più grande delle maggior parte, con una larghezza di 43cm, profondità 28cm e 6cm di altezza, e l'alloggiamento in solido metallo significa che è anche abbastanza pesante. Lo splendente pannello frontale contiene un chiaro e bel display per l'informazione del canale.*

Anche il telecomando è più grande del normale, misurando 24x5cm. Questo può essere programmato per comandare una TV in aggiunta al ricevitore, e questo è stato veloce e semplice da impostare per la mia TV utilizzando i codici in fondo al manuale. Per una volta non c'è stato bisogno di setacciare internet per codici addizionali per farlo funzionare! Il telecomando è disposto chiaramente e i pulsanti hanno un click definito quando vengono premuti, ma allo stesso tempo non richiedono troppa pressione per fornire il comando, come succede con molti altri di questo tipo. A complemento del rassicurante click di ciascun pulsante, il pulsante STB o quello TV lampeggia quando un pulsante viene premuto.

Un'altra notevole caratteristica del pannello frontale è un inusuale griglia di piccole luci rosse. Ad una prima occhiata appaiono come semplici indicatori, ed attraverso questi si possono controllare la maggior parte delle principali funzioni. Il pannello frontale è completato da due slot CI ed una porta USB sotto lo sportello posto sulla destra.

Sul retro abbiamo praticamente tutte le opzioni di collegamento che ci potrebbero servire. L'input di antenna, per ciascuno dei due sintonizzatori, possiede un output passante corrispondente, ed il primo sintonizzatore può essere collegato al secondo se è disponibili solamente un cascata d'antenna. Un piccolo cavo passante è incluso nella confezione a questo scopo. L'HDMI e l'S/PDIF sono disponibili per il video e l'audio digitali, assieme alle due più tradizionali Scart, video component e composito e audio stereo RCA. Accanto c'è un'altra presa USB, come anche un ingresso RS232 e pure una porta Ethernet, sebbene non ci siano informazioni sul manuale che spieghino come questa venga utilizzata.

## Impostazione

Effettuare i collegamenti del ricevitore è reso agevole da alcuni semplici diagrammi d'aiuto presenti sul manuale. L'immagine di ogni presa è riportata con le spiegazioni per tutte le sue opzioni. Ogni punto importante che potrebbe causare confusione è chiarito: se viene utilizzata una sola antenna in corrispondenza del cavo passante, il cambio canale durante la registrazione è limitato sol-

tanto ai canali sullo stesso trasponder. I due input per LNB possono essere impostati su satelliti diversi, così c'è anche l'opzione di due antenne fisse indipendenti, anche questa limiterebbe quello che può essere visto e registrato allo stesso tempo.

La prima volta che lo accendiamo, andiamo diritti al wizard di installazione dove troviamo l'ora locale, il fuso orario e le lingue preferite. Qui sono presenti opzioni limitate per la lingua – per il menu su schermo ed i messaggi sono disponibili solamente inglese, tedesco e russo. Stranamente, la lista delle lingue di default per l'audio ed i sottotitoli è differente. Qui la scelta è tra inglese, tedesco o francese.

Poi si passa alla schermata della ricerca dei canali, dove vengono impostati i nostri satelliti scelti e analizzati per la prima volta. Sono supportate antenne motorizzate DiSEqC ed USALS. È un lavoro facile dire al ricevitore la sua posizione per latitudine e longitudine, così che possa calcolare la posizione dei satelliti che desiderate ricevere.

La lista dei satelliti preprogrammata nel ricevitore è molto imponente – ce ne sono circa 170! Vi sfido a trovarne uno che non sia già presente, ma nel caso, oppure un nuovo satellite appaia nei cieli in futuro, i satelliti si possono editare, aggiungere e rimuovere come necessario. Anche le frequenze dei transponder dei satelliti appaiono piacevolmente aggiornate.

La stessa scansione dei canali è piacevole e veloce, con una completa scansione su ASTRA 2 conclusa in soli otto minuti. Una volta che i canali sono in memoria, è presente una buona selezione di funzioni che consentono ulteriori modifiche e ordinamenti.

Si accede alla lista completa dei canali premendo semplicemente il pulsante "OK" mentre si guarda la TV. La lista può essere rapidamente ordinata alfabeticamente, per stato codificato/FTA, oppure lasciata nel suo stato originale di ordinamento per numero del canale. Un tocco piacevole è la funzione di "zoom", con

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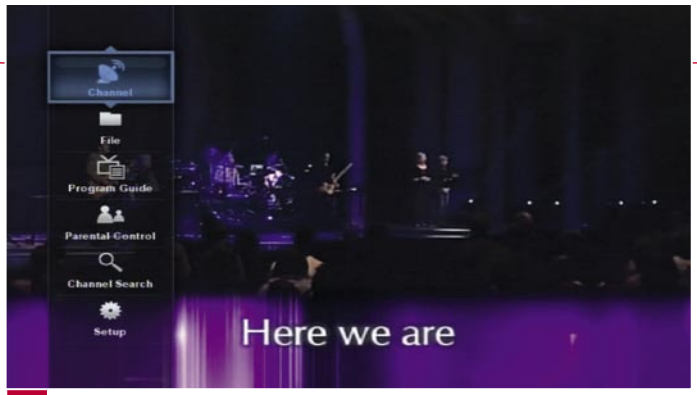
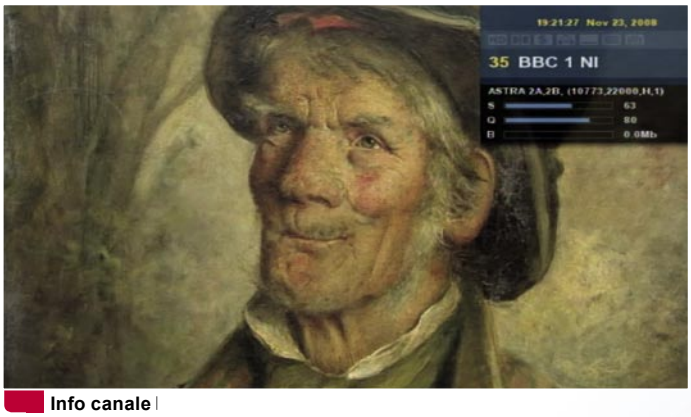



**Menu principale**




**Info canale**

cui la lista dei canali può passare dal riempire l'intero schermo o solamente una parte del lato sinistro, così che l'immagine TV può essere vista nel contempo.

Da qui si può anche accedere a tutte le funzioni di modifica ed organizzazione, il che risulta più semplice che non dover andare su un menu dedicato alla modifica. I canali possono essere spostati su e giù nella lista come richiesto. Secondo la necessità è possibile anche impostare delle liste di favoriti, ed è pure semplice riempirle e modificarle.

Per chi ha dei bambini, esistono due opzioni per il parental control – la tradizionale richiesta di una password oppure la possibilità di nascondere completamente certi canali fintantoché la password non venga inserita. In aggiunta a ciò, potete limitare i canali visibili ad una sola lista di favoriti, oppure impostare un intervallo di tempo dopo il quale il ricevitore si spenga automaticamente – per impedire ai bimbi di sedere tutto il giorno davanti alla televisione! Esiste un'opzione finale per limitare i programmi consentiti per livello di età, sebbene ciò dipenda completamente dal fatto che l'emittente trasmetta l'informazione della corretta classificazione per età.

## Funzioni del disco fisso

Dal momento che le emittenti in HD utilizzano molti dati ed è essenziale un trasferimento delle informazioni ad alta velocità, viene utilizzata nel ricevitore un'interfaccia SATA al posto della tradizionale IDE. Il nostro modello di test era sfortunatamente fornito senza un drive installato internamente, e ciò mi ha dato alla fine una scusa per testare in modo completo il collegamento di un disco rigido attraverso la porta USB.

Non ero molto fiducioso, ma anche un drive USB piuttosto vecchio, collegato alla porta USB posteriore, mi ha smentito funzionando quasi senza problemi, compresa la registrazione di canali HD. Ci sono state tuttavia alcune volte in cui l'immagine è andata un po' a scatti, come ci si poteva aspettare. Ma è stata possibile anche la visione di un canale HD con la registrazione di un altro sul drive USB, se non perfetto al 100%.

I drive esterni usano il file system standard FAT32, così che l'archiviazione ed il recupero su un computer è semplice e diretto. Il file manager sul ricevitore risulterà di facile navigazione per chiunque è abituato all'uso dei computer, con la struttura famigliare di file e cartelle ed anche il ".." per risalire alla directory superiore.

Una funzione di cancellazione automatica può essere utilizzata per rimuovere le registrazioni più vecchie quando lo spazio finisce. Con questo tipo di sistema, la perdita indesiderata di una registrazione importante è sempre una preoccupazione. Per fortuna esiste un'utile funzione per proteggere singole registrazioni, così che non vengano cancellate accidentalmente o con la funzione di auto-cancellazione. Viene anche fornito il parental control delle registrazioni attraverso la protezione con password.

È anche disponibile il timeshift durante la visione live della TV. Tutto ciò che serve è la pressione del pulsante pausa, dopo di che si rendono disponibili gli usuali controlli per il riavvolgimento e l'avanzamento veloce. Una gradita funzione extra divide il programma registrato in segmenti come i capitoli di un DVD, rendendo la navigazione più semplice rispetto al dover veleggiare attraverso un lungo programma differito. La quantità di tempo impostato di default per la registrazione temporanea è di 30 minuti, ma lo si può modificare nelle impostazioni fino ad un massimo di due ore.

Una fonte di disappunto potrebbe essere la mancanza di qualsiasi funzione di modifica. È sempre utile avere qualche funzione di modifica, anche di base, per eliminare la pubblicità dalle registrazioni ed è un peccato che non ci siano previsioni sulla realizza-

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zione di qualcosa del genere. Come appassionato di sport, ho sentito la mancanza anche di una riproduzione al rallentatore, che spesso utilizzo.

## Uso quotidiano

La navigazione tra i satelliti, i canali ed i menu del ricevitore è abbastanza semplice, sebbene forse non sufficientemente intuitivo come in altri ricevitori che abbiamo visto. Per esempio, anche dopo un bel po' di tempo di utilizzo del ricevitore sono confuso dalla presenza di un pulsante "back" che in realtà non riporta indietro i menu al livello precedente! Neppure il pulsante "menu" lo fa come mi sarei aspettato. Invece lo fa il pulsante "exit", per lo meno qualche volta – in altre occasioni fa quello che dice ed esce completamente dal menu di sistema.

La qualità dell'immagine è un grosso risultato per i ricevitori HD e per fortuna la qualità HD fornita dal Dizipia mantiene le aspettative. Anche le immagini con definizione standard vengono sottoposte all'upscaling quando riprodotte in risoluzione HD ed anche ciò aggiunge un piccolo extra di qualità all'immagine, confrontata a quella RGB della Scart.

C'è un comodissimo pulsante dedicato sul telecomando per cambiare rapidamente la risoluzione. In associazione a ciò troviamo un'idea presa dal mondo dei computer. Dopo il cambio della risoluzione, appare un box sullo schermo che vi chiede di confermare che possiate vedere l'immagine. Il default è "no", così che se vi risulta un'immagine inguardabile, premete semplicemente il pulsante OK e ritornate alla risoluzione precedente. Sono disponibili entrambe le modalità progressivo e interlacciato, che vanno da 480 a 1080 linee.

Le trasmissioni widescreen sono comuni ai giorni nostri ed è il caso di vedere se qui tutte le opzioni sono soddisfatte. Per vedere le trasmissioni widescreen su uno schermo 4:3, sono disponibili le modalità letterbox e pan/scan. Viceversa, una trasmissione 4:3 su uno schermo 16:9 può essere lasciato invariato, con le barre nere ai lati, oppure ingrandito secondo le esigenze. C'è anche un pulsate speciale sul telecomando per questo, per passare tra le modalità 16:9 e 4:3.

Ho avuto delle difficoltà per far funzionare l'EPG, molto probabilmente a causa del fatto che essa richiede un disco fisso per memorizzare sopra i dati. Assumendo che questa funzionerà correttamente in un modello di produzione, questa contiene tutte le funzioni usuali che ci aspettiamo e di cui abbiamo bisogno. I programmi futuri possono essere impostati per essere registrati, o solo guardati. Come per la lista dei canali, il pulsante blu può essere utilizzato per zoomare il display dell'EPG tra lo schermo intero

**Menu impostazione TV**

**EPG**

o solamente una parte di esso. I programmi impostati per essere registrai possono avere associato un parental control per l'orario di prenotazione. È disponibile anche la modalità di timer tradizionale per la registrazione.

Il surfing quotidiano tra i canali è veloce, e grazie alla buona implementazione del widescreen, abbastanza indolore. Una volta ordinati secondo l'ordine desiderato, oppure all'interno delle liste di favoriti, la navigazione tra i canali è abbastanza semplice. Finalmente il pulsante "back" trova qui un utilizzo, una pressione veloce ci riporta all'ultimo canale visto. È disponibile il teletext integrato, e pulsanti dedicati sul telecomando danno accesso ai sottotitoli e le tracce audio addizionali.

C'è una funzione insolita per gli utilizzatori dei sistemi di pay-TV. Come al solito, se viene registrato un programma codificato, è necessaria una carta valida per guardare la registrazione in un secondo tempo. Comunque, esiste una funzione speciale di "decodifica". In un momento di vostra scelta, per esempio mentre state dormendo, il ricevitore si metterà al lavoro sul file memorizzato e rimuoverà la codifica. Naturalmente per decodificare l'immagine è ancora necessaria una carta valida per la visione.

Dal momento che esistono due porte USB, è semplice collegarne una ad un disco fisso, come ho fatto io, oltre ad

accedere ad altri supporti USB attraverso l'altra. Si possono riprodurre file audio MP3, e le immagini appaiono splendide su un grande schermo HD.

## Complessivamente

Questo è un ricevitore competente con molte opzioni di collegamento e possibilità potenti. Comunque, dopo averlo utilizzato per un po', si comincia ad avere la sensazione come se fosse un'auto sportiva con un limitatore di velocità nel motore, in quanto il software al suo interno non è sviluppato completamente come dovrebbe. La navigazione all'interno dei menu è a volte un po' stancante, poiché non appaiono intuitivi come quelli di altri PVR disponibili.

Comunque, dal lato degli aspetti positivi, resa ottima dell'immagine, facilità di dimensionamento dell'immagine e forma con pulsanti dedicati e slot CI, dovrebbero renderlo molto bene un PVR per tutti i giorni.

## Opinione dell'Esperto

**Andy Middleton**
TELE-satellite
Test Center
UK

**+**

**Doppio sintonizzatore con una gamma completa di opzioni d'antenna e collegamenti, controllo di decodifica, supporto completo delle risoluzioni widescreen e HD.**
**Aggiornamento SW e registrazione su PC via Ethernet.**
**Registrazione di 2 canali e riproduzione di 1 file.**
**Visione differita immediata.**
**OSD a 32-bit true-color.**
**Menu operativo di facile uso.**
**Sistema operativo Linux.**
**Supporto per la risoluzione video 1080p.**

**-**

**Menu di sistema non dei più intuitivi.**
**Nessuna modifica delle registrazioni.**

## ENERGY

### DIAGRAM

| Mode | Apparent | Active | Factor |
|---|---|---|---|
| StandBy | 12 W | 3 W | 0.25 |
| Reception | 45 W | 25 W | 0.55 |

Lista file registrati

Riproduzione file registrati

## TECHNIC

### DATA

| | |
|---|---|
| **Manufacturer** | Dizipia, Inc., 2nd Floor, Shinhan Bldg., 147-9 Garak-dong, Songpa-Gu, Seoul 138160, Korea |
| **Tel** | +82 (0)2 21 52 32 00 |
| **Fax** | +82 (0)2 407 34 05 |
| **www** | www.dizipia.com |
| **email** | info@dizipia.com |
| **Model** | DS4H-9160 |
| **Type** | HDTV-Receiver with Scaler |
| **Satellites** | 170+ |
| **SCPC compatible** | Yes |
| **USALS** | Yes |
| **DiSEqC** | 1.0/1.2/1.3 |
| **Scart connectors** | 2 |
| **Symbol rates** | DVB-S: 1000-45000 |
| **DVB-S2** | 20000-30000 (QPSK) |
| **DVB-S2** | 10000-30000 (8PSK) |
| **Audio outputs** | 2 (left & right) |
| **Video outputs** | Composite, Component, HDMI |
| **UHF output** | No |
| **0/12 volt output** | No |
| **Digital audio output** | S/PDIF |
| **EPG** | Yes |
| **C/Ku-band compatible** | Yes |
| **Power supply** | 100-250V AC, 50/60Hz |

# Topfield TF6000PVR ES
## Bello Dentro e Fuori

TELE SATELLITE AWARD & BROADBAND 02-03/2009

**TOPFIELD TF6000PVR ES**
Ricevitore orientato alla famiglia facile da utilizzare con upscaler integrato – Ideale per l'utilizzo con TV LCD o al plasma.

*La TV ad Alta Definizione ha iniziato da tempo la sua passerella trionfante, ma se date un'occhiata alle statistiche di www.SatcoDX.com vedrete una realtà deludente: HOTBIRD a 13° Est, ad esempio, ha un totale di 29 canali HDTV rispetto ai 1355 canali SDTV in PAL. Vi sono numerose motivazioni per spiegare questo fatto, ma si tratta prevalentemente di ragioni finanziarie; la banda costa denaro e le emittenti che già offrono un servizio SDTV spesso propongono l'HDTV come servizio aggiuntivo. Per l'utente finale tutto questo significa che, pur possedendo un moderno TV a schermo piatto, deve continuare a guardare canali SDTV che, su schermi molto grandi, non offrono una grande qualità video.*

Questo problema è stato affrontato dal produttore Sudcoreano Topfield che ha predisposto una soluzione molto intelligente con il suo nuovo TF6000PVR ES. Esso è molto simile al TF6000PVRE a parte una caratteristica fondamentale: l'upscaler.

L'upscaler elabora il segnale in ingresso e ne incrementa la risoluzione interpolando i pixel mancanti in modo tale che non si manifestino scalettature, un difetto altrimenti inevitabile con un semplice aumento di risoluzione. Volevamo sottoporre questo ricevitore ad una prova completa per esaminare il funzionamento pratico di questo componente.

Non appena aperta la confezione abbiamo notato come il TF6000PVR ES non fosse

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**Available online starting from 30 Jaunuary 2009**

grande quanto ci aspettavamo. Mentre il predecessore TF6000PVRE si presentava con una larghezza standard di 43 cm, il nuovo TF6000PVR ES misura solamente 38 cm. Ma questa dimensione ridotta non ne compromette l'eleganza.

Al centro del pannello frontale è situato un leggibilissimo display VFD alfanumerico; accanto ad esso i tre pulsanti per utilizzare il ricevitore qualora il telecomando dovesse sparire. I quattro tasti per controllare il volume e cambiare canale sono disposti a forma di cerchio argentato. Questi, insieme al pulsante di Standby illuminato di blu, attirano davvero l'attenzione.

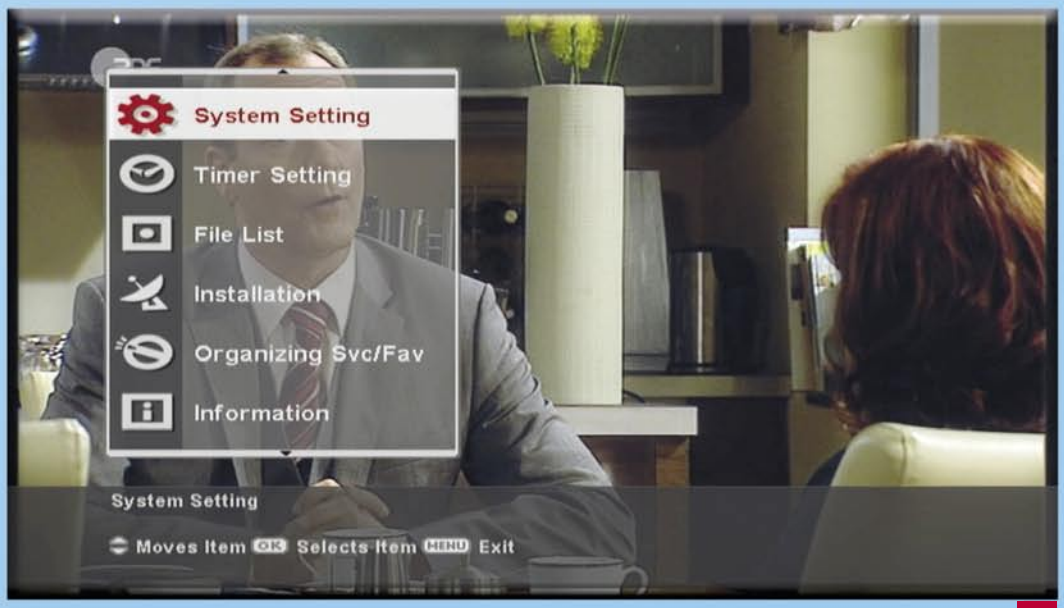
Sotto uno sportellino sulla parte destra si trovano due slot CI per la ricezione PayTV. Essi possono accettare tutti i moduli più comuni come Irdeto, Viaccess, Seca, Conax, Nagravision o Cryptoworks e funzionano tutti insieme senza problemi. Come era lecito attendersi, il pannello posteriore del TF6000PVR ES brilla per la varietà di possibili collegamenti. Oltre agli ingressi IF dei due tuner con relative uscite passanti, troverete anche un'uscita HDMI, due prese Scart, tre spinotti RCA per le uscite video ed audio stereo, un'uscita S-Video, un'uscita audio digitale ottica, una presa USB 2.0 ed infine l'interfaccia Ethernet. Pur non venendo più molto utilizzata di questi tempi, è ugualmente disponibile anche l'interfaccia RS-232 per il collegamento ad un PC.

Il telecomando fornito si impugna piacevolmente ed è correttamente etichettato con tutti i pulsanti facilmente raggiungibili. Analogamente a quella del ricevitore stesso, ne abbiamo apprezzato anche la qualità costruttiva. Il manuale d'uso, come ci si può aspettare da Topfield, è scritto molto chiaramente, con sufficienti illustrazioni dove necessario e tutte le risposte alle domande che potrebbero sorgere per utilizzare rapidamente il ricevitore in modo semplice.

## Uso Quotidiano

Quando lo si accende per la prima volta, il nuovo apparecchio Topfield inizia mostrando il menù principale e quindi richiede all'utente di configurarlo secondo le proprie necessità, ad esempio in base alla tipologia di impianto, prima di poterlo utilizzare. Non è quindi presente un assistente all'installazione, ma non è affatto necessario in quanto la struttura dei menù del Topfield è organizzata logicamente in modo tale che anche un principiante riesca a trovare la strada giusta.

Il primo passo è selezionare la lingua per l'OSD nelle impostazioni di sistema. Al riguardo il TF6000PVR ES dispone di un'ampia scelta: Tedesco, Inglese, Francese, Spagnolo, Arabo, Greco, Turco, Danese, Svedese, Norvegese, Olandese,




**Il menù principale del TF6000PVR ES è organizzato in modo piacevole.**

Polacco, Persiano, Finlandese, Ceco e Bulgaro. Una volta scelta la lingua, l'utente può spostarsi nelle singole voci di menù.

Come ogni altro ricevitore satellitare, il TF6000PVR ES può anche regolare automaticamente l'ora via satellite. A differenza della maggior parte dei concorrenti, Topfield offre numerose diverse possibilità di impostazione. Ad esempio, l'origine dell'ora può essere limitata ai canali codificati o a specifici transponder. Purtroppo, questa funzione si rende necessaria se consideriamo che molte emittenti fuori dalle principali posizioni DTH non forniscono l'ora esatta sui propri canali finendo per confondere il ricevitore con informazioni errate. Con la semplice pressione di un tasto si può anche passare dall'ora solare all'ora legale e viceversa: non dovrete più preoccuparvi della differenza di fuso da GMT. Naturalmente, data e ora si possono sempre impostare anche manualmente. Il TF6000PVR ES gestisce un orologio interno che mantiene l'ora esatta anche nel caso di assenza di corrente e quindi, a differenza di altri ricevitori, è in grado di far partire le registrazioni programmate con il timer anche dopo un black-out.

Grazie all'upscaler integrato, il TF6000PVR ES è l'apparecchio ideale da utilizzare con moderne TV a schermo piatto. Possiede un'uscita HDMI integrata sulla quale il ricevitore può convertire qualsiasi segnale video a 576p, 720p o 1080i. Per rendere tutto ancora più semplice, l'utente può effettuare queste regolazioni mediante un pulsante dedicato sul telecomando senza dover prima navigare attraverso varie pagine di menù.

Se però volete comunque collegare il vostro nuovo Topfield alla TV mediante presa Scart, avete a disposizione i formati RGB, CVBS, S-Video o YUV. L'immagine può essere mostrata in 4:3 o 16:9. Sono disponibili anche speciali modalità per mostrare i contenuti in 4:3 su schermi 16:9. PAL e NTSC vengono riconosciuti e la commutazione avviene in automatico cosicché la ricezione di canali USA in Europa o viceversa non è affatto un problema. Mediante l'upscaler integrato è anche possibile regolare le dimensioni dell'immagine di +/- 20% in modo che essa si adatti perfettamente a qualsiasi TV venga utilizzata.

Una volta sistemate le varie regolazioni, il ricevitore deve essere adattato all'impianto di antenna esistente. Ai due tuner possono essere forniti due segnali separati – questa sarebbe la configurazione ideale – oppure possono condividere lo stesso cavo di ingresso. Quest'ultima variante impone restrizioni significative su un tuner mentre si registra un programma dall'altro. Questi limiti vengono superati se si possono utilizzare due segnali completamente indipendenti.

Il nuovo Topfield è fornito con un elenco preprogrammato di 156 satelliti europei, asiatici ed americani. Le posizioni satellitari più comuni sono molto aggiornate, mentre una rinfrescata generale alle altre non sarebbe una cattiva idea.

Abbiamo particolarmente apprezzato i numerosi diversi parametri impostabili che possono naturalmente essere regolati per ciascun satellite. Diversi valori per la frequenza dell'oscillatore locale (OL) sono già preprogrammati, ma, se necessario, è possibile immettere manualmente frequenze particolari. Questo permette di utilizzare con questo ricevitore anche LNB non standard. Tutti i protocolli DiSEqC esistenti sono gestiti per poter ricevere quante più posizioni satellitari possibili. Il DiSEqC 1.0 consente di ricevere fino a quattro satelliti, l'1.1 può essere utilizzato su antenne multi-fuoco con fino a 16 LNB, mentre l'1.2 e 1.3 (USALS) servono per il controllo di antenne motorizzate.

Una volta sistemati questi parametri, il passo successivo è quello di riempire la memoria del ricevitore che può contenere fino a 5000 canali (3500 TV, 1500 Radio). Questo può avvenire non solo con una ricerca manuale, ma, naturalmente, anche con la ricerca automatica e con l'aiuto dei dati dei transponder preprogrammati. E' presente anche una ricerca estesa con immissione manuale dei PID. Come per le altre tipologie, la ricerca per rete può essere limitata ai canali in chiaro oppure a quelli codificati.

La velocità di ricerca canali di questo ricevitore è impressionante: sono stati necessari solo quattro minuti per esaminare il nostro satellite di prova con oltre 100 transponder. Non dimenticate però che il TF6000PVR ES non è un ricevitore HDTV e quindi non può ricevere alcun segnale DVB-S2 o MPEG4/H.264. Il ricevitore prende però i normali segnali SDTV e ne incrementa la risolu-

**Sea Tel's market share... is currently around 75% globally."** *- 2008 Comsys report*

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Dopo aver terminato la ricerca su una delle principali piattaforme DTH, è assai probabile che l'elenco canali sia pieno di centinaia di canali ai quali l'utente non è affatto interessato, ad esempio perché codificati e quindi non ricevibili. Per questo motivo è molto importante poter modificare l'elenco canali ed adattarlo alle proprie preferenze. Da anni Topfield mostra al mondo come si effettua questa operazione ed il TF6000PVR ES non fa eccezione. I canali possono essere facilmente cancellati, rinominati, spostati o protetti con un PIN per evitare che i bambini vadano a curiosare su programmi non adatti a loro. L'intero elenco può essere ordinato automaticamente secondo diversi criteri ed i canali più seguiti si possono copiare in un numero illimitato di elenchi di Preferiti per poterli rapidamente ritrovare con la semplice pressione di un tasto del telecomando.

Completate le varie regolazioni e la ricerca canali, l'utente può abbandonare il menù principale ed il ricevitore passerà al primo canale ricevibile in elenco. Insieme alle sue immagini, appare temporaneamente anche una barra Info che fornisce informazioni su quel particolare canale con i suoi parametri tecnici e funzioni extra presenti (audio DD, sottotitoli, teletext, codifica, ecc.) oltre alla descrizione del programma in corso, ammesso innanzitutto che questi dati siano trasmessi dall'emittente. La stessa barra Info appare anche quando si cambia canale.

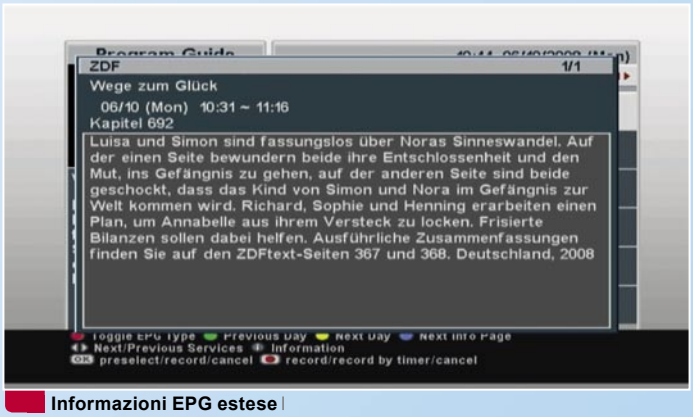
La pressione del tasto Info sul telecomando mostra informazioni estese sul programma in corso, mentre il tasto Guida visualizza un'anteprima dei prossimi programmi, con relativa descrizione dettagliata, per la settimana seguente. Nuovamente, questo è possibile a condizione che l'emittente metta a disposizione questi dati. Vi sono due diverse modalità di visualizzazione tra le quali l'utente può scegliere. Particolarmente comoda è la possibilità di programmare le registrazioni del timer direttamente dall'EPG. Non occorre fare altro che premere un tasto per contrassegnare un programma per la sua registrazione.

Il dettagliato elenco canali del Topfield può essere richiamato premendo il tasto OK. Numerose modalità di ordinamento e di ricerca vi consentono di trovare rapidamente il canale che desiderate. Se necessario, l'utente può scegliere quale tuner utilizzare per ricevere il canale prescelto, oppure questa decisione può essere lasciata al ricevitore. Quest'ultima possibilità è sicuramente la scelta migliore quando è in corso una registrazione. Il tempo di cambio canale è piuttosto buono e, anche quando i due canali non sono sullo stesso transponder, non supera mai il secondo.

I tuner montati sul Topfield hanno un'eccellente sensibilità di ingresso e non presentano problemi con i segnali più deboli come quelli di ASTRA 2D a 28,2° Est o di NILESAT a 7° Ovest. Siamo rimasti anche soddisfatti della capacità di gestione SCPC: sono stati agganciati e visualizzati senza disturbi canali a partire da 1.0 Ms/sec. Dal nostro laboratorio non sono passati molti ricevitori in grado di trattare il difficile canale RSP su EUTELSAT SESAT a 36° Est con un symbolrate di soli 1.0 Ms/sec.

Vi sono poi numerose altre

**Elenco canali con diverse possibilità di impostazione**




**Informazioni EPG estese**

**Barra Info**

funzioni aggiuntive che completano perfettamente l'immagine generale del TF6000PVR ES. Ne fanno parte, naturalmente, le numerose possibilità del timer programmabile (sono disponibili frequenze settimanali, giornaliere, solo giorni lavorativi o solo weekend), l'incredibile facilità d'uso del ricevitore, il decoder teletext ottimamente funzionante e tutti i numerosi altri extra che sono a disposizione.

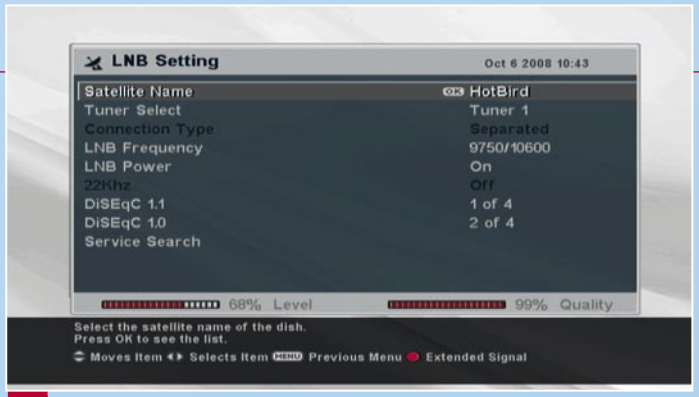
La funzione PVR è sicuramente in cima all'elenco. Il ricevitore può registrare due canali contemporaneamente sul disco fisso integrato per poi riprodurli senza alcun degrado di qualità. Grazie alla funzione time shift (visione differita) è possibile mettere in pausa il programma in corso qualora dovesse esservi un'interruzione come una chiamata telefonica. Il programma potrà poi riprendere da dove era rimasto una volta finita l'interruzione. Anche la funzione segnalibro è molto pratica. Premendo un tasto durante la registrazione si può marcare un punto specifico per poterlo rapidamente ritrovare in seguito.

Le interfacce di rete e USB 2.0 sul pannello posteriore consentono di collegarsi ad un PC Windows. Le registrazioni possono essere trasferite al PC mediante queste due interfacce e da qui, ad esempio, essere masterizzate su DVD. Naturalmente i dati possono anche essere trasferiti nella direzione opposta trasformando il TF6000PVR ES in un juke-box MP3 semplicemente copiando i file sul ricevitore.

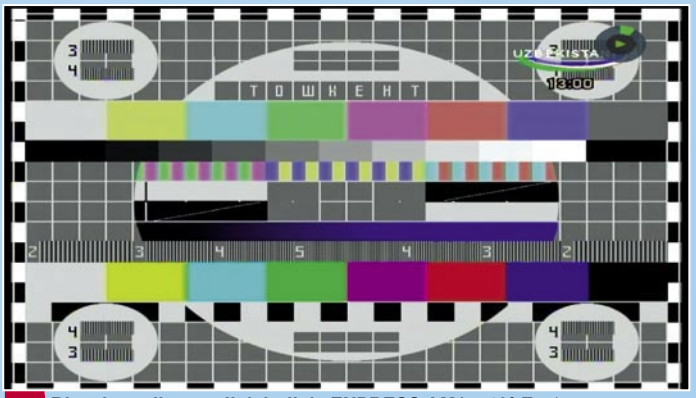
Tramite l'interfaccia di rete sono a disposizione server Web e FTP attraverso i quali gestire le registrazioni sul disco fisso. Anche gli eventi del timer si possono configurare via PC. Purtroppo, la velocità di trasferimento dati sull'interfaccia di rete non supera 1 MB/sec. Questo può far allungare di molto il tempo di scaricamento per le registrazioni più lunghe. La configurazione della connessione di rete può essere demandata al modem/router DSL in quanto il TF6000PVR ES supporta il protocollo DHCP.

Anche la funzione picture-in-picture del ricevitore è molto comoda. Essa consente, ad esempio, di passare ad un altro canale o ad un programma registrato in precedenza quando sul canale principale, che rimane visibile in una finestrella, vanno in onda gli spot pubblicitari. Terminata l'interruzione, con la pressione di un singolo tasto si ritorna alla normale visione del canale principale.

Una delle ragioni per le quali i ricevitori Topfield hanno così successo è l'interfaccia gratuita TAP che consente agli utenti di caricare nel ricevitori estensioni software realizzate in casa. Il TF6000PVR ES non è diverso. Grazie alle somiglianze hardware con il TF6000PVRE, quasi tutte le TAP disponibili dovrebbero funzionare anche nel nuovo TF6000PVR ES. Abbiamo provato una diffusissima TAP EPG ed abbiamo scoperto che funziona alla perfezione in questo ricevitore complementando la già eccellente EPG Topfield con una serie di funzioni aggiuntive come la raccolta automatica dei dati EPG ad un'ora predeterminata per fare in modo che questi siano sempre a disposizione dell'utente in ogni momento.



Impostazioni LNB



Ricezione di segnali deboli da EXPRESS AM1 a 40° Est

Topfield è costantemente al lavoro nel migliorare i propri ricevitori e quindi offre numerosi metodi per caricare un aggiornamento software. Questo può avvenire via satellite, via Internet tramite l'interfaccia di rete oppure i file necessari possono essere scaricati dal sito Topfield su un PC e da qui trasferiti al ricevitore tramite interfaccia USB.

Infine, abbiamo alcuni commenti riguardo l'upscaler integrato. Occorre chiarire che questo non può assolutamente trasformare un debole segnale con un bassissimo data-rate in una brillante immagine HD. Sarebbe chiedergli troppo. Può però migliorare l'immagine in modo che ciò che vedete su una TV LCD o al plasma abbia una qualità corrispondente a ciò che otterreste su un normale TV a tubo da 80 cm. Altri canali che trasmettono in SD con data-rate più alto possono essere elaborati dall'upscaler Topfield per produrre un'immagine visibilmente migliorata che all'utente finale apparirà quasi in qualità HD.

# Il Giudizio dell'Esperto

**Thomas Haring**
TELE-satellite
Test Center
Austria

\+

**Il TF6000PVR ES è un ricevitore digitale facile da utilizzare per tutta la famiglia. Grazie all'upscaler integrato, è indicato per l'utilizzo con TV LCD o al plasma e fornisce un'immagine di qualità visibilmente migliorata. Le funzioni PVR sono molto pratiche ed una volta provate non potrete più farne a meno.**

\-

**La memoria canali di sole 5000 posizioni può diventare un po' scarsa. Sarebbe stato bello anche avere un interruttore generale sul retro**

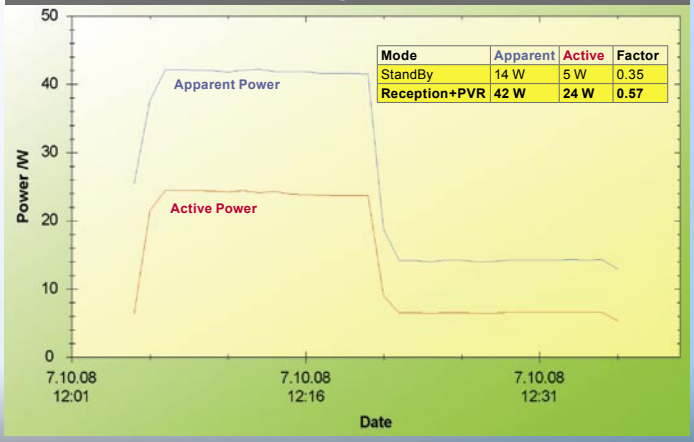
## TECHNIC

### DATA

| | |
|---|---|
| **Manufacturer** | Topfield, Seongnam/Korea |
| **Fax** | +82-31-7082607 |
| **E-Mail** | inquiry@topfield.co.kr |
| **Model** | TF6000PVR ES |
| **Function** | Digital SDTV DVB-S receiver with built in upscaler |
| **Channel Memory** | 5000 |
| **Symbolrate** | 1-45 Ms/sec. |
| **SCPC Compatible** | yes (> 1000 Ms/s) |
| **DiSEqC** | 1.0 / 1.1 / 1.2 / 1.3 |
| **USALS** | yes |
| **HDMI Output** | yes |
| **Scart Connector** | 2 |
| **Audio/Video Outputs** | 3 x RCA |
| **Component Video Output** | yes, via Scart |
| **S-Video Output** | yes |
| **UHF Modulator** | no |
| **0/12 Volt Connector** | no |
| **Digital Audio Output** | yes |
| **EPG** | yes |
| **C/Ku-Band compatible** | yes |
| **PVR-Function** | yes |
| **USB 2.0 Connector** | yes |
| **Ethernet** | yes |
| **Power supply** | 90-250 VAC, 50/60 Hz |
| **Dimensions** | 38/26.5/6cm |
| **Weight** | 3.4kg |

## ENERGY

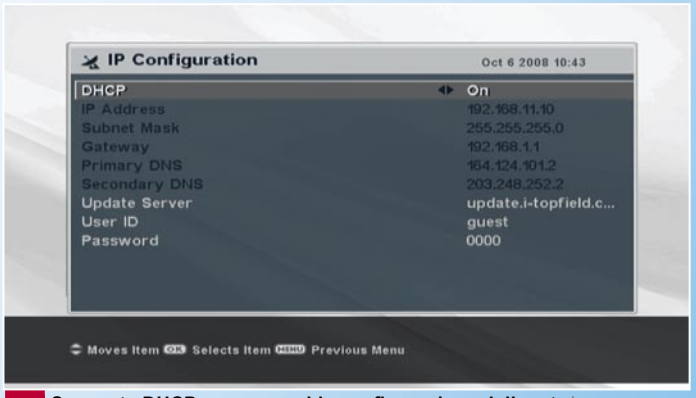
### DIAGRAM




**Primi 15 minuti: normale operatività con cambio canale, registrazione, riproduzione, ecc. Successivi 15 minuti: stand-by.**

**TAP 3PG per l'estensione dell'EPG**

**Impostazioni Audio/Video**

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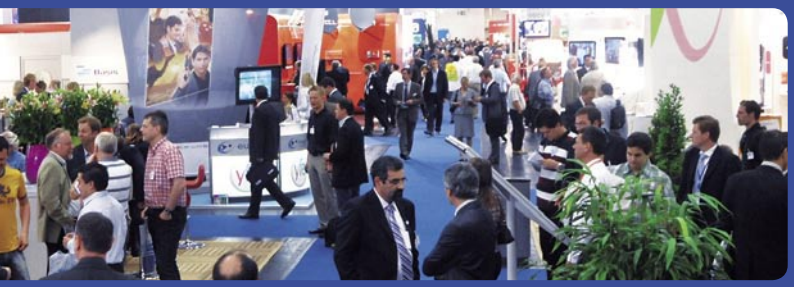

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# Sistema d'antenna a 4 segmenti da Venus

*Il produttore indonesiano PT Subur Semesta (conosciuto principalmente col suo nome di marchio Venus) ha sviluppato un innovativo sistema d'antenna forata che si adatta perfettamente alla ricezione della banda C e può essere montato abbastanza facilmente grazie al suo disegno intelligente.*

Ciò che rende questa antenna differente è l'idea di dividere i dodici pannelli dell'antenna in solo quattro segmenti. Così ciò che avete sono quattro quarti di antenna, ognuno dei quali consiste di tre pannelli prefabbricati. Naturalmente, ciò velocizza tantissimo l'assemblaggio.

Il prodotto arriva con una guida al

■ La nuova antenna forata AL7210 (il diametro è sette piedi, da cui la denominazione) di PT Subur Semesta è prodotta secondo un sistema di produzione innovativo e consiste di soli quattro quarti in segmenti

TELE SATELLITE AWARD & BROADBAND 02-03/2009

**VENUS MESH DISH**
Sistema innovativo per la produzione di antenne forate con alta qualità costante

■ The four segments of the PT Subur Semesta mesh antenna

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Vista ravvicinata del centro del pannello

Assemblaggio del piatto centrale

Tutti i pannelli addizionali sono attaccati al piatto centrale

Finito! Tutti i quattro pannelli sono attaccati uno all'altro al centro ed ai supporti

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Montaggio assemblato

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■ Il supporto del feed per l'LNB 2-in-1 viene assemblata con un doppio commutatore

■ La livella ad acqua brevettata da PT Subur Semesta funziona magnificamente quando si allinea l'antenna

montaggio che ci permette di avere un'antenna montata e funzionante in non più di 30 minuti. E ciò comprendeva anche gli scatti di tutte le fotografie per questo articolo!

I singoli componenti vantano una qualità molto alta: sono completamente galvanizzati, così che la nuova antenna Venus non è solo veloce da montare, ma offre anche anni di funzionamento affidabile.

■ Tutto è finito – ora la ricezione deve essere misurata.

■ Grande – il misuratore mostra una ricezione perfetta.

Abbiamo testato l'antenna da 2,1 metri (7 piedi) che verrà venduta principalmente in Indonesia. A causa della vicinanza del paese all'equatore, sono necessari angoli di elevazione molto alti, ed è per questo che l'antenna è montata alla fine del palo. Con un angolo di elevazione vicino ai 90°, necessario nella regione, nessun altro tipo di progetto di montaggio funzionerebbe.

L'antenna forata di PT Subur Semesta è prodotta quasi completamente in modo automatico, solo il 15 percento del totale processo di produzione richiede un'opera manuale. Ciò assicura che la qualità rimanga costante e che i singoli pannelli abbiano una forma esattamente parabolica. Paragonata ad un'antenna solida, questa risulta essere sullo stesso piano. Tra l'altro, la nuova antenna forata arriva praticamente con le stesse fasce di supporto e gli stessi binari del feed delle antenne piene prodotte da PT Subur Semesta.

La misura di 7 piedi è stata scelta da PT Subur Semesta per una ragione: in alcune regioni dell'Indonesia un'antenna di 6 piedi semplicemente è inutile, mentre nove piedi sono un po' troppi per la maggior parte del paese. Di conseguenza sette piedi è la misura perfetta per l'Indonesia. Siamo stati comunque informati da PT Subur Semesta che questo è solamente l'inizio. L'azienda vuole inizialmente prendere piede nel mercato nazionale, prima di cominciare ad anche offrire linee di antenne di altre misure per il mercato internazionale.

Come tutte le confezioni da PT Subur Semesta, anche questa antenna arriva con la livella ad acqua brevettata da Venus. Grazie al suo magnete integrato, può essere semplicemente attaccata alla posizione orizzontale o verticale dei supporti di montaggio e la scala vi mostrerà l'angolo corretto. Ciò scaccia l'orrore di regolare con precisione la posizione dell'antenna.

Abbiamo usato un LNB assemblato 2-in-1 per i nostri test di ricezione. Anche questo supporto, o anche quello 4-in-1 per quattro LNB in banda C, è disponibile presso PT Subur Semesta. Questi supporti per LNB sono ideali per le condizioni indonesiane, dal momento che permettono la ricezione dei segnali da diverse posizioni con una singola antenna. Le opzioni disponibili sono: PALAPA C2 (113,0E) e TELKOM 1 (108,0E), o ASIASAT 3S (105,5E) e ASIASAT 2 (100,5E), oppure tutte e quattro allo stesso tempo.

Dopo solo pochi minuti di allineamento eravamo in grado di ricevere la TV satellitare con questa nuova antenna. Il nuovo sistema di antenna forata di PT Subur Semesta è una soluzione innovativa per la produzione di pannelli d'antenna con alta qualità costantemente. Tutto ciò è completato con assemblaggio veloce e facilità di trasporto.

## Opinione dell'Esperto

**Vincent Witjhun**
TELE-satellite
Test Center
Indonesia

\+

**Il nuovo sistema d'antenna forata di PT Subur Semesta brilla grazie alla sua qualità top. L'assemblaggio è facile grazie al suo disegno intelligente. L'antenna arriva completa con tutti i componenti richiesti così che potete guardare la TV satellitare subito dopo aver montato l'antenna.**

\-

**L'antenna non è compatibile con la banda Ku**

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# SPAUN Switch for USA

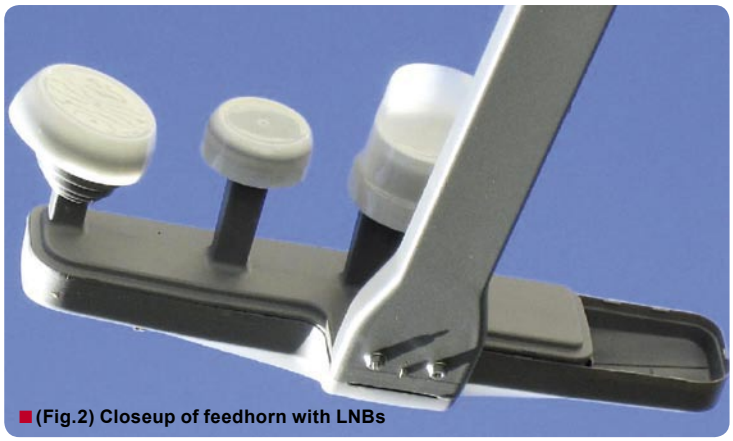
**Ron Roessel**

*One of the biggest names in the industry when it comes to multiswitches would undoubtedly have to be SPAUN. The company was founded back in October of 1969 and began by manufacturing OEM terrestrial antenna products. In 1991 they began distributing products under their own name and shortly after that introduced the first multiswitch with an integrated power supply. Since then they have continuously added to their product line such that today their product range consists of more than 300 products.*

Recently, SPAUN ventured into a new arena by beginning to offer amplifier and multiswitch products for use exclusively with the DirecTV satellite PayTV system in the USA. DirecTV itself came into existence back in 1990 and launched their satellite TV service in June of 1994. The idea of watching TV via satellite instead of through a cable TV service provider became so popular that in just a little over a year, they reached one million subscribers.

Just ten years later in 2005 they had 15 million subscribers! In 2007 DirecTV began offering 70 HD channels and today that number has risen to over 130 HD channels.

When you talk to most people about DirecTV, they think of DirecTV as merely a provider of TV services to individual end users such as those in private homes. But the truth is DirecTV also provides service to commercial end users such as hotels and larger apartment buildings. Here the commercial end users want to provide independent satellite TV signals to each hotel room or apartment with all of this being accomplished using a single satellite antenna. Obviously, a standard DirecTV satellite system can't handle this all by itself. That's where SPAUN comes in.



■ (Fig.2) Closeup of feedhorn with LNBs

■ (Fig.1) The DirecTV dish setup we used for this test

SPAUN has developed an array of products exclusively for the DirecTV SlimLine dish antenna system (Fig.1) that allows the incoming satellite signals from five different satellites to be distributed to multiple receivers using only the one satellite dish.

The SlimLine LNB (Fig.2) comes with four independent outputs that when used normally allow the end user to connect up to four satellite receivers. But when used with the SPAUN components, 16 and more receivers can be connected.If you take a close look at the SlimLine LNB, you might say to yourself: "I only see three LNB's". And, yes, that's exactly what it looks like from the outside. On the inside however, much more is going on.

The LNB on the right is actually three LNB's in one that together with the other

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two add up to five. Then you might be asking yourself how it can be possible to switch between five different satellites and at the same time give all the connected receivers access to these satellites independent of each other.

The answer again lies in the SlimLine LNB. A typical LNB converts the incoming satellite signals to the 950 to 2150 MHz range and sends these signals via the coax cable to the receiver.

The SlimLine LNB does this and more. A portion of the incoming satellite signals are converted to the 250 to 750 MHz range. Through a variety of switching functions within the LNB, the 250 to 750 MHz range and the 950 to 2150 MHz range are both made available at each of the four outputs on the SlimLine LNB. The receiver chooses which band and polarization it wants simply by switching between 14 or 18 volts and also whether or not to include a 22 KHz signal along with the proper voltage.

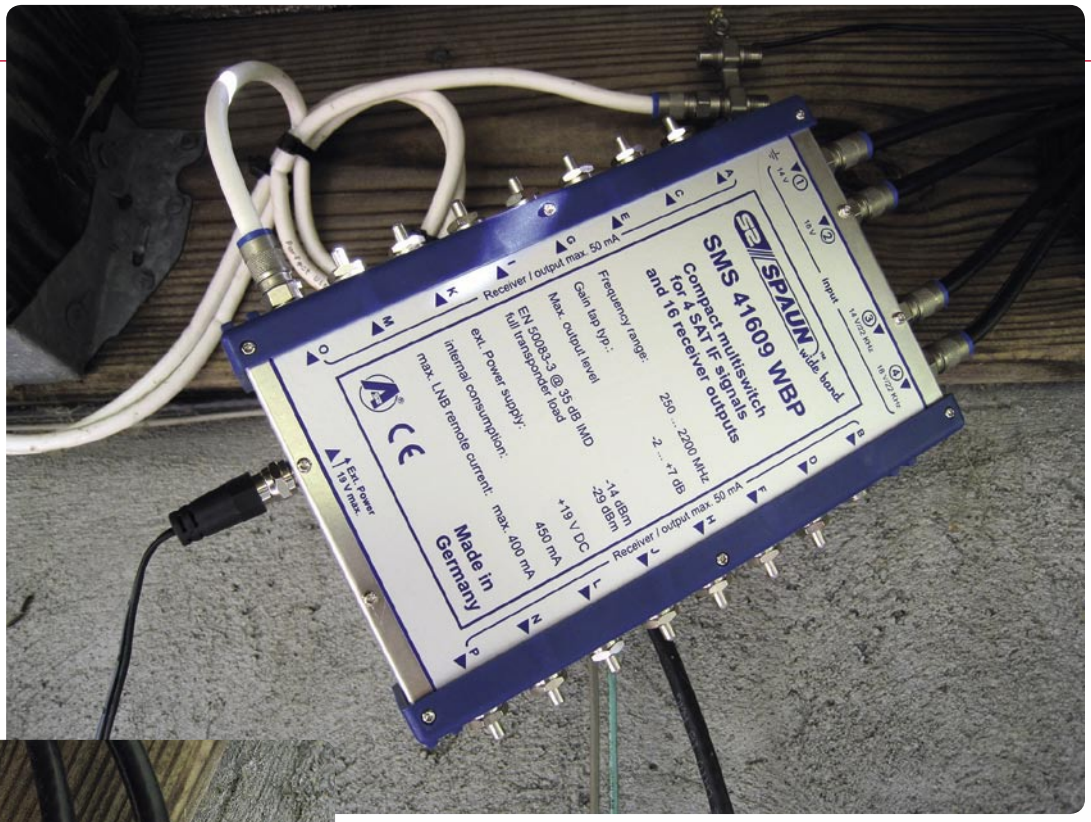
We found the idea of using SPAUN switches in this application very intriguing so we decided to taker a closer look at how all of this works. SPAUN was kind enough to provide us with a number of their components so that we could put them to the test.

■ (Fig.3) SPAUN SMS 41609 WBP switch

The number of receivers that need to be serviced will dictate what SPAUN components will be used and how many of them will be needed.

The most basic set up will provide outputs for as many as 16 receivers. For example, the four LNB outputs can be connected directly to a SPAUN SMS 41609 WBP switch (Fig.3) without the need for any amplifier components.

This switch already comes with the 16 outputs needed for 16 different receivers. Just plug the included power supply into a wall outlet, connect the other end into the proper jack on the switch and it's ready to go (Fig.4). All of the receivers connected to this switch can independently access all of the satellite signals from the DirecTV antenna as if each receiver were connected to its own antenna.




■ (Fig.4) We removed the 4 black colored coax cables from grounding block and connected them to the SPAUN SMS 41609 WBP. Now we could connect up to 16 receivers.

How does this work? The concept is actually quite simple. The receiver has the ability to send four different control signals (14V, 18V, 14V + 22 KHz and 18V + 22 KHz) via the coax cable to the LNB so that the proper band/polarization is selected. But when the SPAUN components are used in between the receiver and the SlimLine LNB, the sequence of events unfolds with a slight difference. The receiver still sends out the proper control signal depending on the band/polarization it wants to receive but, instead of this finding its way to the receiver, it ends up sent to a SPAUN multiswitch. As far as the receiver is concerned, it thinks it's connected to an LNB.

The SPAUN SMS 41609 WBP multiswitch comes with four satellite signal inputs. Each of these inputs sends its own unique control signal to the SlimLine LNB:

Input 1 – 14V
Input 2 – 18V
Input 3 – 14V + 22 KHz
Input 4 – 18V + 22 KHz

In this way, all of the available satellite IF bands from the SlimLine LNB are delivered to the SMS 41609 WBP multiswitch at the same time. The switch then routes the desired band/polarization to the connected receivers based on the control signals received by the switch from each of the receivers.

As mentioned earlier, one of these bands is the 250 to 750 MHz frequency band. Depending on the DirecTV receiver model, an internal or external BBC (base band converter) module is used to upconvert this frequency band to the standard satellite IF band so that the receiver can access these signals.

If the satellite system to be installed involves the use of more than 16 receivers, then additional multiswitches need to be used.

In some cases, this system must also be capable of handling terrestrial TV signals as well. The SPAUN SMS 41609 WBP multiswitch does not have a terrestrial input so for applications like this the GMS 51609 WBP can be used. Also, now that we are dealing with more than one multiswitch, it becomes necessary to include signal amplifiers

and signal taps to the SPAUN set up as well.

For the first part of our test we wanted to set a baseline measurement from which a comparison could be made when the SPAUN components were added. So, before any SPAUN components were put in place, we measured and recorded all the active transponders on the five satellites using the signal strength display that is included in the DirecTV receiver setup menu.

For the second part of our test we used the following SPAUN components:

1xGBK 5500 WBP Wideband Launch Amplifier

1xGTS 525 WB Penta Splitter

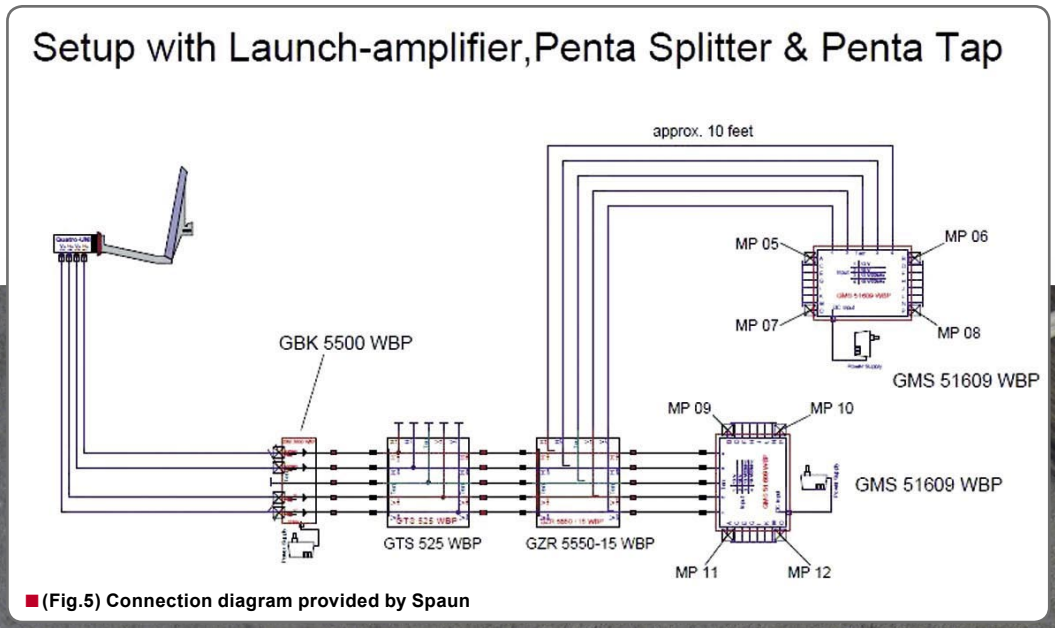
1xGZR 5550/15 WB Penta Tap with Directional Coupler

2xGMS 51609 WBP Compact 16-Output Multiswitch

These components were connected to each other as shown in the diagram in Fig.5. The actual connected components can be seen in Fig.6. In the normal setup, the four cables from the SlimLine LNB were routed to a grounding block (Fig.7) at a location outside of the house just before the cables went into the house. This was a convenient point to connect the SPAUN components.

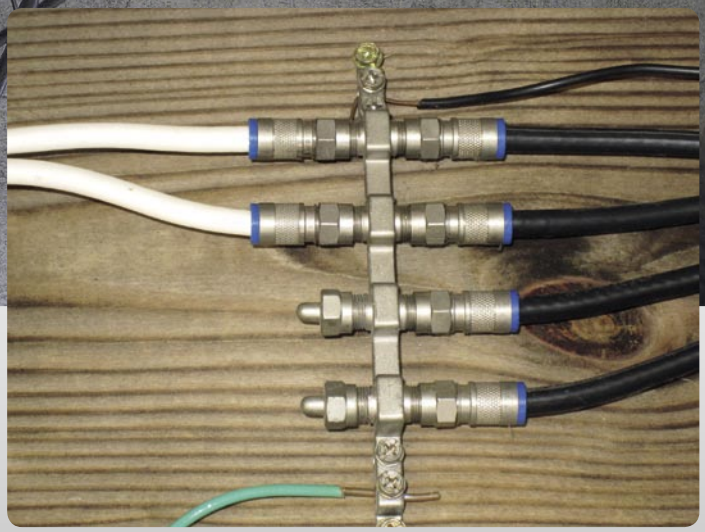
The four IF cables were removed from the grounding block and connected to the four inputs on the SPAUN Launch Amplifier. This particular setup has the capability to provide independent satellite signal outputs for up to 32 receivers.

For the purpose of our tests we opted to measure the outputs at the eight Measuring Points (MP) highlighted in Fig.5. The unused outputs were terminated with 75




■ (Fig.5) Connection diagram provided by Spaun

■ (Fig.6) Our actual setup for this test. Now up to 32 receivers could be connected



■ Grounding block conveniently located for us to change the cables: the black colored cables are the ones coming from dish.

| (Fig.8) DirecTV Satellite at 101 west | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Transponder# | Normal | MP05 | MP06 | MP07 | MP08 | MP09 | MP10 | MP11 | MP12 |
| 1 | 96 | 96 | 96 | 94 | 96 | 89 | 89 | 89 | 85 |
| 2 | 96 | 92 | 92 | 87 | 92 | 74 | 72 | 74 | 72 |
| 3 | 96 | 94 | 94 | 96 | 96 | 87 | 87 | 85 | 87 |
| 4 | 96 | 94 | 96 | 94 | 94 | 89 | 87 | 89 | 89 |
| 5 | 94 | 96 | 96 | 94 | 94 | 85 | 85 | 85 | 87 |
| 6 | 100 | 98 | 98 | 98 | 98 | 94 | 94 | 94 | 94 |
| 7 | 96 | 94 | 94 | 94 | 94 | 89 | 89 | 89 | 89 |
| 8 | 100 | 98 | 98 | 98 | 98 | 94 | 94 | 94 | 92 |
| 9 | 96 | 94 | 94 | 94 | 94 | 85 | 85 | 85 | 87 |
| 10 | 98 | 94 | 90 | 94 | 94 | 74 | 74 | 74 | 72 |
| 11 | 96 | 96 | 96 | 94 | 94 | 87 | 89 | 87 | 87 |
| 12 | 96 | 96 | 96 | 94 | 96 | 87 | 87 | 87 | 87 |
| 13 | 96 | 94 | 94 | 94 | 94 | 81 | 83 | 83 | 83 |
| 14 | 100 | 98 | 98 | 98 | 98 | 85 | 85 | 87 | 83 |
| 15 | 94 | 94 | 94 | 94 | 92 | 72 | 74 | 72 | 72 |
| 16 | 100 | 98 | 98 | 98 | 98 | 78 | 76 | 78 | 74 |
| 17 | 94 | 94 | 92 | 94 | 89 | 65 | 67 | 67 | 67 |
| 18 | 100 | 100 | 100 | 100 | 100 | 94 | 94 | 94 | 92 |
| 19 | 92 | 94 | 94 | 94 | 94 | 58 | 63 | 63 | 61 |
| 20 | 89 | 89 | 87 | 87 | 87 | 49 | 49 | 56 | 50 |
| 21 | 96 | 94 | 94 | 94 | 94 | 56 | 60 | 63 | 60 |
| 22 | 98 | 96 | 96 | 96 | 96 | 52 | 50 | 54 | 49 |
| 23 | 96 | 94 | 94 | 92 | 94 | 70 | 72 | 72 | 70 |
| 24 | 98 | 94 | 94 | 94 | 94 | 60 | 58 | 61 | 54 |
| 25 | 94 | 94 | 94 | 96 | 96 | 69 | 70 | 70 | 69 |
| 26 | 98 | 94 | 94 | 94 | 94 | 58 | 58 | 58 | 52 |
| 27 | 94 | 94 | 94 | 94 | 94 | 63 | 65 | 65 | 63 |
| 28 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 29 | 96 | 94 | 94 | 94 | 94 | 70 | 72 | 72 | 72 |
| 30 | 100 | 96 | 96 | 96 | 96 | 72 | 72 | 72 | 70 |
| 31 | 90 | 90 | 90 | 92 | 92 | 74 | 76 | 74 | 74 |
| 32 | 100 | 98 | 96 | 96 | 98 | 78 | 78 | 78 | 74 |

| (Fig.9) DirecTV Satellite at 110 west | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Transponder # | Normal | MP05 | MP06 | MP07 | MP08 | MP09 | MP10 | MP11 | MP12 |
| ... | | | | | | | | | |
| 9 | 96 | 94 | 94 | 94 | 94 | 83 | 81 | 78 | 78 |
| ... | | | | | | | | | |
| 11 | 94 | 92 | 94 | 94 | 90 | 78 | 76 | 74 | 74 |
| ... | | | | | | | | | |
| 13 | 96 | 96 | 96 | 96 | 96 | 89 | 89 | 85 | 85 |
| ... | | | | | | | | | |

| (Fig.10) DirecTV Satellite at 119 west | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Transponder # | Normal | MP05 | MP06 | MP07 | MP08 | MP09 | MP10 | MP11 | MP12 |
| ... | | | | | | | | | |
| 22 | 92 | 94 | 96 | 94 | 96 | 74 | 72 | 67 | 65 |
| 23 | 100 | 100 | 100 | 100 | 100 | 94 | 94 | 94 | 94 |
| 24 | 94 | 89 | 94 | 92 | 89 | 76 | 74 | 72 | 67 |
| 25 | 98 | 98 | 98 | 98 | 98 | 90 | 92 | 92 | 94 |
| 26 | 96 | 96 | 96 | 96 | 96 | 76 | 74 | 69 | 67 |
| 27 | 98 | 98 | 98 | 98 | 98 | 89 | 90 | 89 | 92 |
| 28 | 96 | 94 | 94 | 94 | 94 | 72 | 69 | 63 | 63 |
| 29 | 100 | 98 | 98 | 96 | 98 | 94 | 96 | 94 | 96 |
| 30 | 96 | 96 | 96 | 96 | 94 | 89 | 87 | 85 | 83 |
| 31 | 96 | 96 | 96 | 96 | 96 | 94 | 94 | 94 | 94 |
| 32 | 98 | 98 | 98 | 98 | 98 | 94 | 94 | 92 | 90 |

| (Fig.11) DirecTV Satellite at 99a west | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Transponder # | Normal | MP05 | MP06 | MP07 | MP08 | MP09 | MP10 | MP11 | MP12 |
| 1 | 94 | 67 | 69 | 72 | 70 | 0 | 20 | 0 | 20 |
| 2 | 94 | 87 | 87 | 87 | 87 | 70 | 70 | 69 | 67 |
| 3 | 92 | 72 | 72 | 74 | 72 | 27 | 36 | 27 | 34 |
| 4 | 92 | 87 | 87 | 87 | 87 | 72 | 72 | 72 | 72 |
| 5 | 94 | 81 | 81 | 83 | 81 | 45 | 52 | 45 | 52 |
| 6 | 94 | 87 | 87 | 87 | 87 | 72 | 72 | 72 | 70 |
| 7 | 92 | 83 | 83 | 85 | 85 | 56 | 61 | 54 | 60 |
| 8 | 92 | 87 | 87 | 87 | 85 | 67 | 67 | 65 | 63 |
| 9 | 94 | 89 | 89 | 89 | 89 | 67 | 72 | 67 | 72 |
| 10 | 94 | 87 | 87 | 87 | 87 | 65 | 63 | 63 | 63 |
| 11 | 92 | 87 | 87 | 89 | 89 | 70 | 72 | 70 | 72 |
| 12 | 92 | 85 | 85 | 85 | 85 | 60 | 60 | 58 | 58 |
| 13 | 96 | 94 | 94 | 94 | 96 | 76 | 78 | 76 | 78 |
| 14 | 94 | 87 | 89 | 87 | 87 | 65 | 65 | 63 | 61 |
| ... | | | | | | | | | |

| (Fig.12) DirecTV Satellite at 99b west | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Transponder # | Normal | MP05 | MP06 | MP07 | MP08 | MP09 | MP10 | MP11 | MP12 |
| 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ... | | | | | | | | | |
| 15 | 52 | 58 | 54 | 60 | 58 | 47 | 47 | 52 | 49 |
| 16 | 98 | 96 | 96 | 96 | 96 | 87 | 87 | 87 | 85 |
| 17 | 72 | 72 | 72 | 69 | 72 | 58 | 60 | 56 | 56 |
| 18 | 81 | 80 | 81 | 78 | 80 | 65 | 65 | 65 | 63 |
| 19 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 20 | 100 | 98 | 98 | 98 | 98 | 94 | 94 | 94 | 94 |
| 21 | 74 | 70 | 70 | 70 | 72 | 60 | 61 | 60 | 61 |
| 22 | 76 | 72 | 72 | 72 | 74 | 61 | 60 | 60 | 60 |
| 23 | 40 | 43 | 34 | 38 | 38 | 36 | 34 | 34 | 34 |
| 24 | 40 | 43 | 36 | 41 | 41 | 41 | 34 | 38 | 34 |
| ... | | | | | | | | | |

Ohm terminations. The MP's were also terminated with 75-Ohm terminations when they were not connected to a receiver.

As with the first part of the test, all the active transponders for the five satellites were measured and recorded for each of the MP's (MP05 to MP12) using the same DirecTV receiver menu display. All of the collected data was organized and tabulated in seven different tables (one for each satellite) so that each MP output could easily be compared with the other outputs as well as with the results of the first part of the test. These results can be seen in Fig.8 thru 14.

Looking closely at each of the tables you can see that the measured signal strengths at MP05 to MP08 compared very nicely to the normal setup. In fact there was very little difference between any of the measurements and in some cases there was no difference at all. And as far as watching TV goes, all of the channels available with the normal setup (SD and HD) were also available at the four MP outputs.

There was, however, some differences between the measured signal strengths at MP09 to MP12 and the normal setup. In this case the measured signal strengths were somewhat lower at these four MP's than those of the normal setup. Although the signal strengths were lower, it did not interfere with any of the available TV channels. All of the available TV channels (SD and HD) could be viewed through any of the four MP outputs.

## Conclusion

So, is the number of receiver outputs using these SPAUN components limited to 32? Absolutely not. If you need more than 32 outputs for your specific DirecTV setup, simply add additional SPAUN components! The possibilities are endless. In the end all of the SPAUN components functioned exactly as they should. Does this surprise you?

It shouldn't. SPAUN has been around since 1969 and in that time has built up quite a bit of experience when it comes to manufacturing satellite components. They make quality products that fully live up to expectations.

| (Fig.13) DirecTV Satellite at 103a west | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Transponder # | Normal | MP05 | MP06 | MP07 | MP08 | MP09 | MP10 | MP11 | MP12 |
| 1 | 100 | 100 | 100 | 100 | 100 | 98 | 98 | 98 | 100 |
| 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 5 | 100 | 100 | 100 | 100 | 100 | 0 | 100 | 100 | 0 |
| 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ... | | | | | | | | | |
| 15 | 92 | 89 | 89 | 90 | 90 | 0 | 85 | 87 | 89 |
| 16 | 96 | 94 | 94 | 94 | 94 | 83 | 83 | 81 | 81 |
| 17 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 18 | 98 | 98 | 0 | 98 | 98 | 94 | 94 | 96 | 0 |
| 19 | 94 | 94 | 94 | 94 | 96 | 85 | 85 | 97 | 87 |
| 20 | 100 | 98 | 98 | 96 | 98 | 90 | 89 | 97 | 87 |
| 21 | 76 | 76 | 76 | 76 | 76 | 70 | 69 | 70 | 70 |
| 22 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 23 | 83 | 80 | 81 | 81 | 81 | 76 | 76 | 78 | 76 |
| 24 | 100 | 100 | 100 | 100 | 100 | 96 | 96 | 96 | 96 |
| ... | | | | | | | | | |

| (Fig.14) DirecTV Satellite at 103b west | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Transponder # | Normal | MP05 | MP06 | MP07 | MP08 | MP09 | MP10 | MP11 | MP12 |
| 1 | 94 | 94 | 94 | 94 | 94 | 81 | 85 | 83 | 85 |
| 2 | 94 | 90 | 90 | 90 | 90 | 0 | 76 | 69 | 72 |
| 3 | 94 | 92 | 92 | 92 | 92 | 78 | 81 | 78 | 81 |
| 4 | 92 | 89 | 89 | 89 | 89 | 54 | 78 | 72 | 74 |
| 5 | 92 | 92 | 92 | 92 | 92 | 80 | 83 | 81 | 83 |
| 6 | 92 | 89 | 89 | 89 | 89 | 74 | 78 | 74 | 76 |
| 7 | 92 | 90 | 90 | 90 | 90 | 78 | 81 | 80 | 83 |
| 8 | 94 | 89 | 89 | 89 | 89 | 74 | 76 | 72 | 72 |
| 9 | 92 | 92 | 92 | 92 | 92 | 78 | 80 | 78 | 81 |
| 10 | 90 | 87 | 87 | 87 | 87 | 72 | 74 | 70 | 72 |
| 11 | 94 | 92 | 92 | 92 | 92 | 78 | 81 | 81 | 83 |
| 12 | 94 | 89 | 89 | 89 | 89 | 76 | 76 | 72 | 74 |
| 13 | 94 | 92 | 92 | 92 | 92 | 81 | 81 | 81 | 83 |
| 14 | 92 | 89 | 89 | 89 | 89 | 74 | 76 | 72 | 72 |
| ... | | | | | | | | | |

# WINTER IN HDTV • AB IPBOX 910HD

- 1 x SMART CARD READER, 2 x CI SLOTS
- PLUG AND PLAY TUNER (DVB-S2, DVB-S, DVB-T, DVB-C)
- INTERNAL SATA 2´5 OR EXTERNAL E-SATA HDD SUPPORTED
- TIME SHIFT FUNCTION
- EPG, PIP, USB 2.0 HOST, MP3 DECODER
- DIVIX SUPPORTED

PIP/PAP FUNCTION

RECORD 2 HD CHANNELS AND WATCH 1 HD CHANNEL AT THE SAME TIME

ab-com

www.abipbox.com

# AWARD Winning Satellite Receivers

TELE SATELLITE AWARD & BROADBAND 02-03/2009

**TOPFIELD TF6000PVR ES**
Easy to use family oriented receiver with built-in upscaler – ideal for use on LCD or plasma TVs

| | |
|---|---|
| Manufacturer | Topfield |
| Website | www.topfield.co.kr |
| Function | HDTV PVR Satellite Receiver with Scaler |
| DVB-S2/LAN | • / • |
| Channel Memory | 5000 |
| DiSEqC | 1.0 / 1.1 / 1.2 / 1.3 |
| S-Video/HDMI | • / • |
| Scart/Digital Audio | • / • |

TELE SATELLITE AWARD & BROADBAND 02-03/2009

**DIZIPIA DS4H-9160**
A competent receiver with lots of connection options and powerful capabilities

| | |
|---|---|
| Manufacturer | Dizipia |
| Website | www.dizipia.com |
| Function | HDTV Satellite Receiver with Scaler |
| DVB-S2/LAN | • / • |
| Channel Memory | ! |
| DiSEqC | 1.0 / 1.2 / 1.3 |
| S-Video/HDMI | — / • |
| Scart/Digital Audio | • / • |

TELE SATELLITE AWARD & BROADBAND 12-01/2009

**JIUZHOU DTS6600**
A brilliant blend of ease of use and great functions

| | |
|---|---|
| Manufacturer | Jiuzhou |
| Website | www.jiuzhou.com.cn |
| Function | Digital PVR Satellite Receiver for SDTV/HDTV |
| DVB-S2/LAN | • / — |
| Channel Memory | 5000 |
| DiSEqC | 1.0 / 1.1 / 1.2 / 1.3 |
| S-Video/HDMI | — / • |
| Scart/Digital Audio | • / • |

TELE SATELLITE AWARD & BROADBAND 12-01/2009

**OPENSAT XT-9500 HD**
Style and substance in a single package

| | |
|---|---|
| Manufacturer | ABC BIZNIS |
| Website | www.opensat.info |
| Function | HDTV Satellite Receiver with two CI slots |
| DVB-S2/LAN | • / — |
| Channel Memory | ! |
| DiSEqC | 1.2 |
| S-Video/HDMI | — / • |
| Scart/Digital Audio | • / • |

TELE SATELLITE AWARD & BROADBAND 12-01/2009

**TEVII S650 – DVB-S2 USB BOX**
Compact HDTV receiver for PC or laptop computer with comprehensive software

| | |
|---|---|
| Manufacturer | TeVii Technology |
| Website | www.tevii.com |
| Function | USB box for the reception of SDTV and HDTV,radio and data on the PC |
| DVB-S2/LAN | • / — |
| Channel Memory | unlimited |
| DiSEqC | 1.0, 1.1, 1.2, 1.3 |
| S-Video/HDMI | — / — |
| Scart/Digital Audio | — / — |

TELE SATELLITE AWARD & BROADBAND 12-01/2009

**AB IPBOX 900HD**
Perfect HD receiver both for a family as for the satellite enthusiast

| | |
|---|---|
| Manufacturer | AB-COM |
| Website | www.abcom.sk |
| Function | Digital Linux-based HDTV PVR receiver for DVB-S, DVB-S2, DVB-C and DVB-T |
| DVB-S2/LAN | • / • |
| Channel Memory | 10000 |
| DiSEqC | 1.0 / 1.1 / 1.2 / 1.3 |
| S-Video/HDMI | — / • |
| Scart/Digital Audio | • / • |

TELE SATELLITE AWARD & BROADBAND 10-11/2008

**IMPERIAL SATBOX HD**
Perfect HDTV Reproduction with Ease of Use and Extraordinary Display

| | |
|---|---|
| Manufacturer | DVB-Shop |
| Website | www.dvbshop.net |
| Function | HDTV Satellite Receiver |
| DVB-S2/LAN | • / • |
| Channel Memory | 7000 |
| DiSEqC | 1.0 / 1.2 |
| S-Video/HDMI | — / • |
| Scart/Digital Audio | • / • |

TELE SATELLITE AWARD & BROADBAND 10-11/2008

**TOPFIELD TF7700HSCI**
A solidly built SDTV and HDTV receiver that includes a variety of very practical features

| | |
|---|---|
| Manufacturer | Topfield |
| Website | www.topfield.co.kr |
| Function | HDTV PVR Satellite Receiver |
| DVB-S2/LAN | • / — |
| Channel Memory | 5000 |
| DiSEqC | 1.0 / 1.1 / 1.2 / 1.3 |
| S-Video/HDMI | — / • |
| Scart/Digital Audio | • / • |

TELE SATELLITE AWARD & BROADBAND 10-11/2008

**SONICVIEW SV-360 ELITE PVR**
A family-friendly receiver and easiest to use with a multitude of features

| | |
|---|---|
| Manufacturer | Sonicview |
| Website | www.sonicviewusa.com |
| Function | Digital Satellite PVR Receiver with two tuners |
| DVB-S2/LAN | — / — |
| Channel Memory | 6000 |
| DiSEqC | 1.0 / 1.1 / 1.2 |
| S-Video/HDMI | • / — |
| Scart/Digital Audio | — / • |

TELE SATELLITE AWARD & BROADBAND 10-11/2008

**VENUS NEW MILLENNIUM II-EP**
Easy to use receiver for big motorized dishes at an economic price

| | |
|---|---|
| Manufacturer | PT. Subur Semesta |
| Website | www.subursmt.com |
| Function | Digital Satellite Receiver for motorized dishes |
| DVB-S2/LAN | — / — |
| Channel Memory | 4000 |
| DiSEqC | 1.2 |
| S-Video/HDMI | — / — |
| Scart/Digital Audio | — / — |

TELE SATELLITE AWARD & BROADBAND 08-09/2008

## ABCOM IPBOX 9000 HD PLUS

A huge range of connection options make this box a true all-rounder – yet it remains easy to use as a family receiver.

| | |
|---|---|
| Manufacturer | ABCom |
| Website | www.abipbox.com |
| Function | HDTV PVR for DVB-S, DVB-S2, DVB-C and DVB-T |
| DVB-S2/LAN | • / • |
| Channel Memory | 10000 |
| DiSEqC | 1.0 / 1.1 / 1.2 / 1.3 |
| S-Video/HDMI | • / • |
| Scart/Digital Audio | • / • |

TELE SATELLITE AWARD & BROADBAND 08-09/2008

## IMPERIAL DB 1 CI HDMI

Practical and user-friendly interface – the perfect match for satellite radio listeners and DXers

| | |
|---|---|
| Distributor | DVBShop |
| Website | www.dvbshop.net |
| Function | Digital Satellite Receiver with CI-Slot |
| DVB-S2/LAN | — / — |
| Channel Memory | 5000 |
| DiSEqC | 1.0 / 1.1 / 1.2 / 1.3 |
| S-Video/HDMI | — / • |
| Scart/Digital Audio | • / • |

TELE SATELLITE AWARD & BROADBAND 06-07/2008

## ARION AF9400PVR HDMI

A solid and easy to use receiver that with its Scaler can present satellite channels in excellent quality.

| | |
|---|---|
| Manufacturer | Arion, South Korea |
| Website | www.arion.co.kr/global |
| Function | Digital Satellite PVR Receiver with built-in Scaler |
| DVB-S2/LAN | • / — |
| Channel Memory | 8000 |
| DiSEqC | 1.0 / 1.1 /1.2 / 1.3 |
| S-Video/HDMI | • / • |
| Scart/Digital Audio | • / • |

TELE SATELLITE AWARD & BROADBAND 04-05/2008

## OPENSAT X9000HDCI

Fasten your seatbelt: super fast channel zapping combined with superb audio and video quality in SD and HD

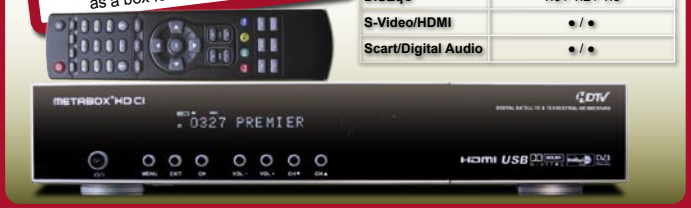
| | |
|---|---|
| Manufacturer | ABC BIZNIS |
| Website | www.opensat.info |
| Function | DVB-S/S2 MPEG2/4 HD Receiver with single tuner |
| DVB-S2/LAN | • / — |
| Channel Memory | 4000 |
| DiSEqC | 1.0 / 1.2 |
| S-Video/HDMI | — / • |
| Scart/Digital Audio | • / • |

TELE SATELLITE AWARD & BROADBAND 04-05/2008

## METABOX HD COMBO CI

HD all-rounder for satellite and terrestrial reception with perfect usability – great as a box for the whole family

| | |
|---|---|
| Manufacturer | Metamultimedia |
| Website | www.metamultimedia.net |
| Function | HDTV Receiver for DVB-S, DVB-S2 and DVB-T |
| DVB-S2/LAN | • / — |
| Channel Memory | 10000 |
| DiSEqC | 1.0 / 1.2 / 1.3 |
| S-Video/HDMI | • / • |
| Scart/Digital Audio | • / • |




TELE SATELLITE AWARD & BROADBAND 04-05/2008

## NANOXX 9500HD

Small enclosure, superbly crisp picture, extremly fast channel search, and connection for HDD

| | |
|---|---|
| Manufacturer | NanoXX |
| Website | www.nanoxx.info |
| Function | Digital HDTV PVR Receiver |
| DVB-S2/LAN | • / • |
| Channel Memory | 10000 |
| DiSEqC | 1.0 / 1.1 / 1.2 / 1.3 |
| S-Video/HDMI | • / • |
| Scart/Digital Audio | • / • |

TELE SATELLITE AWARD & BROADBAND 04-05/2008

## TOPFIELD TF7720HSIR

Ideal HDTV Receiver for FTA and Irdeto encrypted channels

| | |
|---|---|
| Manufacturer | Topfield |
| Website | www.topfield.co.kr |
| Function | DVB-S, DVB-S2 HDTV Receiver with Irdeto CA |
| DVB-S2/LAN | • / — |
| Channel Memory | 5000 |
| DiSEqC | 1.0 / 1.1 / 1.2 / 1.3 |
| S-Video/HDMI | • / • |
| Scart/Digital Audio | • / • |

TELE SATELLITE AWARD & BROADBAND 02-03/2008

## TOPFIELD TF7700 HDPVR

Fully capable twin receiver with proven HDTV technology and outstanding picture quality.

| | |
|---|---|
| Manufacturer | Topfield |
| Website | www.topfield.co.kr |
| Function | Digital DVB-S, DVB-S2 HD-PVR Receiver with ethernet connection |
| DVB-S2/LAN | • / • |
| Channel Memory | 5000 |
| DiSEqC | 1.0 / 1.1 / 1.2 / 1.3 |
| S-Video/HDMI | • / • |
| Scart/Digital Audio | • / • |

TELE SATELLITE AWARD & BROADBAND 02-03/2008

## AB IPBOX 350PRIME PVR

A Linux-based Receiver as Powerful as Never Before

| | |
|---|---|
| Manufacturer | AB-COM |
| Website | www.abcom.sk |
| Function | Linux-based receiver for terrestrial, cable and satellite DVB reception |
| DVB-S2/LAN | — / • |
| Channel Memory | 4000 |
| DiSEqC | 1.0 / 1.1 / 1.2 / 1.3 |
| S-Video/HDMI | — / — |
| Scart/Digital Audio | • / • |

TELE SATELLITE AWARD & BROADBAND 02-03/2008

## NANOXX 9600 IP

Perfectly working CA receiver with smart use of network interface

| | |
|---|---|
| Manufacturer | NanoXX |
| Website | www.nanoxx.info |
| Function | Digital CA satellite receiver with PVR functionality via network |
| DVB-S2/LAN | — / • |
| Channel Memory | 6000 |
| DiSEqC | 1.0 / 1.2 / 1.3 |
| S-Video/HDMI | — / — |
| Scart/Digital Audio | • / • |

# Arion in Movimento

*Più di un anno fa TELE-satellite pubblicò un articolo sul successo del produttore sudcoreano di ricevitori di qualità Arion, con sede a Anyang, uno dei sobborghi meridionali di Seul. Siamo tornati a far loro visita per scoprire come Arion è riuscita a navigare tra i mari in tempesta dello scorso anno e quali sono i progetti di espansione per il 2009.*

Abbiamo trovato il responsabile marketing, Sam Chang, in una nuova palazzina non lontana dal vecchio quartier generale della società. Ci racconta ciò che è successo "Ci siamo spostati in questo posto per poter offrire ai nostri dipendenti migliori condizioni di lavoro". Lo staff di Arion è composto attualmente da 80 addetti, 50 dei quali ingegneri occupati nel centro R&S di Anyang, in Corea. "La fabbricazione dei ricevitori Arion ha luogo principalmente nel sud della Cina", spiega Sam Chang.

Il responsabile marketing Joey Lee aggiunge qualche informazione geografica: "Il 30 percento dei nostri prodotti va in India, un altro 30 percento viene consegnato in Sud America ed il restante

**TELE-satellite World** www.TELE-satellite.com/...

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| French | Français | www.TELE-satellite.com/TELE-satellite-0903/fra/arion.pdf |
| Greek | Ελληνικά | www.TELE-satellite.com/TELE-satellite-0903/hel/arion.pdf |
| Croatian | Hrvatski | www.TELE-satellite.com/TELE-satellite-0903/hrv/arion.pdf |
| Italian | Italiano | www.TELE-satellite.com/TELE-satellite-0903/ita/arion.pdf |
| Hungarian | Magyar | www.TELE-satellite.com/TELE-satellite-0903/mag/arion.pdf |
| Mandarin | 中文 | www.TELE-satellite.com/TELE-satellite-0903/man/arion.pdf |
| Dutch | Nederlands | www.TELE-satellite.com/TELE-satellite-0903/ned/arion.pdf |
| Polish | Polski | www.TELE-satellite.com/TELE-satellite-0903/pol/arion.pdf |
| Portuguese | Português | www.TELE-satellite.com/TELE-satellite-0903/por/arion.pdf |
| Russian | Русский | www.TELE-satellite.com/TELE-satellite-0903/rus/arion.pdf |
| Swedish | Svenska | www.TELE-satellite.com/TELE-satellite-0903/sve/arion.pdf |
| Turkish | Türkçe | www.TELE-satellite.com/TELE-satellite-0903/tur/arion.pdf |

**Available online starting from 30 January 2009**

**Thomas Roh (a sinistra), direttore vendite & marketing, e Sam Chang (a destra), responsabile marketing, davanti all'entrata degli uffici R&S di Arion.**

# Wireless SmartWi®
## Multi Room Solution

Living room

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**Non è ovvio? Un'azienda con così tante parabole sul tetto deve per forza avere a che fare con i ricevitori satellitari. Jeong Woo Lee è uno degli ingegneri di Arion e qui lo vediamo mentre sistema un LNB. Sullo sfondo potete vedere lo skyline di Anyang, uno dei sobborghi meridionali di Seul.**

40 percento è distribuito in Europa". Aggiunge Sam Chang: "Il nostro ufficio vendite in Argentina è operativo dall'inizio del 2007" e continua rivelandoci che "nel 2009 abbiamo in piano di continuare a crescere in particolare nell'Europa Occidentale".

Thomas Roh, direttore vendite & marketing, ci fornisce qualche dettaglio sui principali mercati di Arion: "Dal 2006 Arion si è concentrata principalmente sui mercati degli operatori TV in America Latina, India ed altri mercati emergenti stipulando accordi con i principali operatori via cavo e satellite. Ma presto torneremo in Europa, uno dei nostri principali mercati STB, con nuove piattaforme evolute HD come PVR ready su base ST7101 oppure doppio PVR HD su base Broadcom". Ed è qui che Arion fa un passo in più stringendo accordi di collaborazione con varie emittenti via cavo e satellite. E per la gamma di prodotti Arion? "Chiaramente il mercato HD è attualmente in Europa", suggerisce Sam Chang che continua elencando i prodotti che verranno presentati sul mercato europeo nel 2009: "Nel primo trimestre del 2009 abbiamo previsto di lanciare un ricevitore HDTV PVR-ready, che significa con disco fisso esterno da collegare all'apparecchio. Questo sarà seguito nel secondo trimestre da un ricevitore con disco fisso integrato e, per la fine del 2009, potete aspettarvi apparec-

**Il team vendite di Arion al lavoro.**

Joey Lee, responsabile del team marketing di Arion.

H.M.Park è direttore esecutivo anziano di Arion e guida i 50 ingegneri hardware e software del reparto R&S.

Uno degli ingegneri software sta mettendo a punto il software per il nuovo ricevitore HD PVR che verrà lanciato a breve.

Non disturbare! Un gruppo di ingegneri sta discutendo sul progetto di un circuito per un nuovo ricevitore.

chi IPTV". Joey Lee aggiunge che "non appena saranno disponibili i primi esemplari pilota invieremo un campione a TELE-satellite per preparare una recensione. Noi di TELE-satellite, e naturalmente tutti i nostri lettori, non vediamo l'ora di conoscere questi nuovi ricevitori HDTV MPEG-4, anche perché i prodotti Arion si sono sempre rivelati tra i migliori in termini di qualità.

Se preferite incontrare di persona i rappresentanti Arion potete segnarvi due esposizioni alle quali saranno presenti nel 2009: "Avremo uno stand all'ANG e all'IBC", conferma Sam Chang.

Arion è attiva come sempre e restiamo in trepida attesa di vedere i nuovi ricevitori di qualità Arion!

Un ricevitore di qualità deve sottostare ai controlli più stringenti: Eun-Ju Choi è addetta alle prove del reparto qualità e qui la vediamo mentre controlla il comportamento di un nuovo ricevitore Arion nella camera termica.

# Milionario in 4 Anni – Forse anche in 3!
# SonicView, USA

SonicView si trova ancora in questa zona industriale dove ha affittato due blocchi. "Ma tra pochi mesi ci trasferiremo nella nostra nuova sede", dice Steve Falvey, CFO di SonicView, "qui il magazzino è troppo piccolo per le nostre vendite in forte crescita".

*Se nel primo anno di attività riuscite a vendere più ricevitori satellitari di quanti avevate mai immaginato, allora non dovrebbero esservi problemi a raggiungere il primo milione in quattro anni – chi lo sa, forse anche in tre! SonicView, con sede in California, è stata fondata solo alla fine del 2006. Bobby Sanz ne ha rilevato la proprietà nell'estate 2007 e da allora le vendite sono salite vertiginosamente. E' una storia di successo che Tony Lively, Responsabile Vendite di SonicView, doveva spiegarci più dettagliatamente.*

Nell'estate 2007 Bobby Sanz acquistò la neonata società SonicView. Questo è il momento in cui iniziano i fatti. Spiega Tony: "SonicView era una società che si occupava di ricevitori satellitari scontrandosi con alcuni grandi nomi del mercato nordamericano. La società era partita con tre soli impiegati. All'inizio era una piccola attività. Con una linea prodotti superiore e la conoscenza del mercato nordamericano, Bobby acquisì i diritti di distribuzione esclusiva americana e mondiale di un produttore di ricevitori coreano".

Bobby mise insieme una squadra di professionisti di primo piano per far crescere la sua azienda. Steve Falvey, che lavorava come Vice Presidente per una grande banca americano, salì a bordo. Dopo essere andato in pensione assunse il ruolo di CFO di SonicView e da allora segue le operazioni quotidiane. La decisione di entrare a far parte di SonicView fu in effetti molto facile: Bobby Sanz è suo figlio.

L'esperienza di Steve come manager bancario spalancò a SonicView le porte del credito e le consentì di avviare il business dei ricevitori in grande stile. Nel 2008 le vendite di SonicView sono raddoppiate da quando Bobby ha acquisito la società. Le previsioni per il 2009 sono già state riviste al rialzo rispetto a quelle iniziali.

Ma da dove proviene tutto questo ottimismo? "Il mercato FTA in Nord America è ancora agli inizi", spiega Tony, "i numerosi immigrati che vivono qui solo ora si stanno rendendo conto che possono vedere la TV di casa loro via satellite e gratuitamente". I ricevitori satellitari di SonicView sono stati concepiti proprio per questo mercato.

"C'è poi un secondo mercato di spettatori che fino ad oggi hanno pagato per vedere la TV, ma che stanno lentamente scoprendo l'esistenza di numerosi canali gratuiti che possono essere ricevuti". Con l'attuale crisi economica molti si stanno chiedendo perché devono regalare denaro ad un'emittente Pay-TV.

SonicView si sta aprendo un terzo mercato espandendosi in Sud America. "Questo è un mercato grande ed inesplorato", è convinto Tony, "lo chiamiamo 'lo spazio bianco'".

La professionalità di SonicView si può vedere molto facilmente: innanzitutto qualsiasi problema di spedizione o trasporto viene affrontato prima di cercare i rivenditori locali. "Riduciamo il nostro rischio in quanto solitamente spediamo solo fino al confine; di tutto il resto si occupano i nostri partner locali". Crimine e corruzione sono cose dalle quali un'azienda come SonicView deve tenersi a distanza. Continua Tony: "Richiediamo sempre il pagamento in anticipo per mantenere il nostro rischio al minimo".

Uno sguardo al catalogo dei prodotti ci dimostra che qui opera una mano esperta. I ricevitori sono configurati esattamente per il mercato. C'è il modello di classe superiore HD8000 per la ricezione HDTV via satellite e terreste, poi abbiamo il modello SV360 Elite, presentato di recente da TELE-satellite, con doppio tuner via satellite e l'SV360 in versione singolo tuner.

Quando SonicView parteciperà al CES di Las Vegas, nel Gennaio 2009, vi saranno tre nuovi ricevitori da mostrare al mondo: una versione HDTV dell'SV360 con uno o due tuner ed una versione leggera per il mercato Sudamericano con tuner singolo e modulatore UHF al posto dell'uscita HDMI.

Tony ci fornisce un resoconto delle vendite: "Vendiamo all'incirca lo stesso numero di ciascuno dei tre modelli; in altre parole, il 30% ciascuno".

SonicView impiaga attualmente 11 persone e spedisce solamente a grossisti. "I nostri clienti sono rappresentati da otto distributori regionali in USA, Canada e Messico", spiega Tony che continua, "questi distributori, a loro volta, consegnano a circa 130 rivenditori".

SonicView ha in programma di ampliare la propria gamma di prodotti. Spiega Tony: "Nel 2008 solo il 10% delle nostre vendite era rappresentata da accessori,

■ **Il CFO, Steve Falvey, è un ex banchiere. Steve sa come finanziare un'azienda e come portarla rapidamente verso il vertice.**

■ **Il Responsabile Vendite di SonicView, Tony Lively, legge il numero di TELE-satellite con la recensione del ricevitore SonicView. "Ho imparato moltissimo da TELE-satellite", rivela Tony, "mi piacciono soprattutto gli articoli dalle diverse nazioni del mondo".**

■ **La brasiliana d'origine Patricia Moreira Branco è il Consulente Internazionale e sta lavorando per costituire la rete di rivenditori in Sud America.**

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**Ecco il Responsabile del Magazzino Chris Witcomb che spiega: "Uno scatolone contiene cinque ricevitori e 1000 scatoloni riempiono un container per un totale di 5000 ricevitori". Questo è il numero minimo di pezzi che un distributore deve acquistare, ma per molti di loro non è per nulla sufficiente. "Non appena arriva una consegna, viene completamente rispedita il giorno successivo", commenta Chris.**

**Ken Cherry è Specialista di Controllo Inventario e non solo regola le spedizioni ai distributori, ma gestisce anche tutte le formalità di importazione dalla Corea del Sud. "Il trasporto da oltreoceano impiega circa una settimana, più un giorno per le formalità doganali", spiega Ken.**

**Il Responsabile del Supporto Tecnico Adam Dunn al lavoro mentre ripara un ricevitore difettoso. "Abbiamo pochissimi resi, lo scorso anno sono stati lo 0,002% delle vendite totali". L'alta qualità dei prodotti SonicView è un'altra ragione del loro sensazionale successo.**

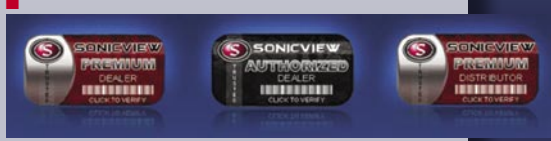
**Il Supporto Tecnico di SonicView è svolto da Dick e Julie Sweeney del Michigan e da Rick Caylor (nella foto) dei dintorni di Kansas City, Missouri. E' lo specialista di SonicView quando vi sono difficoltà tecniche ed aiuta i clienti a risolvere i problemi di ricezione satellitare, in particolare quelli di impianti motorizzati. Riferendosi alle proprie parabole Rick dice: "Ho sei antenne con 13 ricevitori. Un'antenna piena di 3,0 metri, una di 2,5 metri in alluminio, entrambe motorizzate, più una parabola di 90 cm per DirecTV, una di 75 cm per Galaxy 25 e altre due motorizzate di 75 cm.". Rick è un avido cacciatore di feed ed è particolarmente interessato alle corse automobilistiche tanto da gestire anche un forum dedicato ai feed di questo tipo: www.websitetoolbox.com/mb/rickcaylor.**

ma prevediamo di aumentare nettamente questa quota nel 2009. Infatti in futuro gli accessori potrebbero raggiungere la metà delle nostre vendite". Questi comprendono multiswitch e cavi HDMI, ma anche LNB e chiavette USB per PVR.

Bobby Sanz ha molti progetti per il futuro ed è perfettamente preparato per gestirli: finanziamenti professionali, prodotti perfettamente pensati per il mercato di destinazione e tempismo ottimale.

Chi lo sa, forse SonicView riuscirà a diventare milionaria in ricevitori in soli tre anni!

**Questi marchi vengono utilizzati da SonicView per mostrare agli utenti finali la fiducia riposta nei rivenditori. Questi ottengono il marchio dopo essere stati verificati da SonicView; a loro volta i rivenditori espongono il marchio sul proprio sito web.**



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# HDTV secondo Jiuzhou

*Il numero di produttori hi-tech con alle spalle una storia aziendale cinquantenaria è molto limitato. Uno dei pochissimi è Jiuzhou di Sichuan in Cina. Nel 2008 l'azienda ha celebrato il suo cinquantesimo anniversario, come TELE-satellite ha riportato nel numero 03/2008. Le celebrazioni ufficiali hanno avuto luogo il 16 novembre negli uffici della società a Sichuan.*

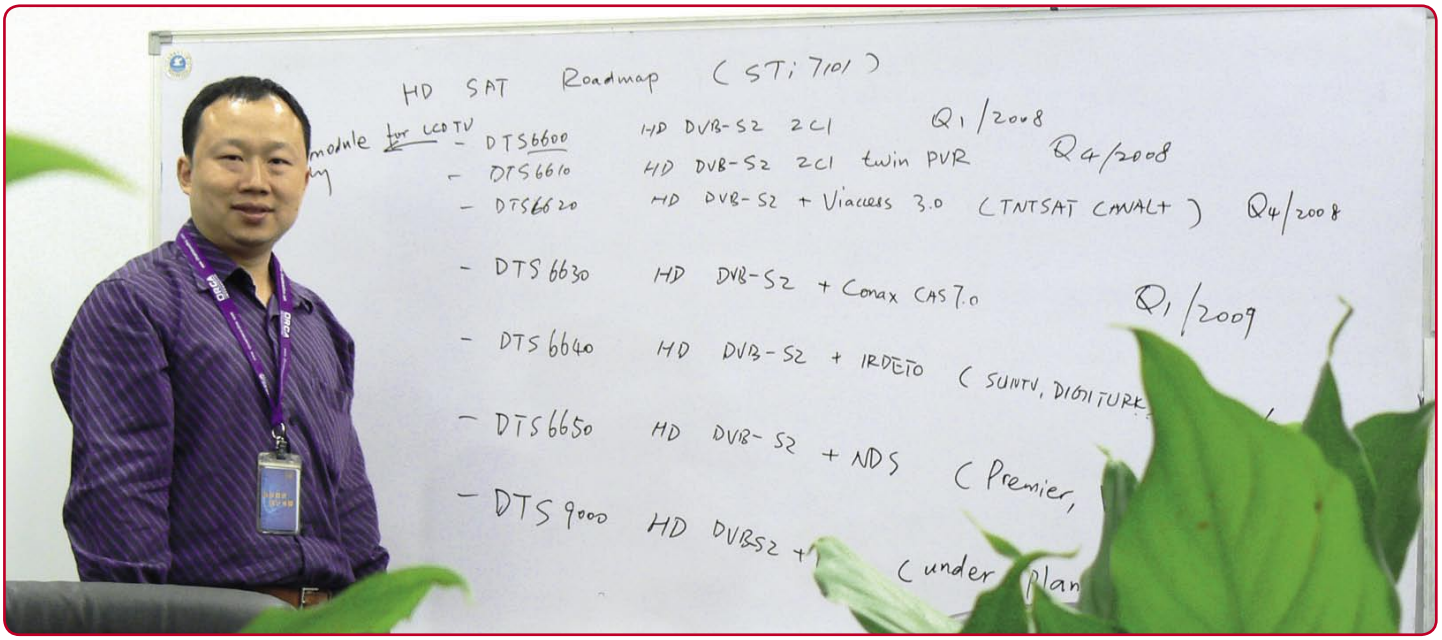
*Ora la domanda è: cosa c'è nel magazzino per il 51° anno?*

**L'edificio di Jiuzhou Electric nella zona industriale high-tech di Nanshan nell'area occidentale di Shenzhen (Cina) è decorato a festa per il 50° anniversario dell'azienda.**

# The Latest Development in Year 51

La base della distribuzione e ricerca di Jiuzhou si trova a Shenzhen, proprio accanto a Hong Kong, nella Cina del sud. È lì che abbiamo incontrato Huang Wei, direttore delle vendite di Jiuzhou Electric a Shenzhen e della sua sussidiaria Digital Telemedia, che si occupa dei set-top box all'interno del gruppo Jiuzhou. Oltre a ricevitori satellitari, Jiuzhou offre anche ricevitori per TV via cavo, Tv terrestre e IPTV.

"La Tv digitale terrestre DMB-TH è già stata lanciata a Hong Kong e la Cina ha pianificato di introdurla nel 2009," è quanto afferma Huang Wei, prima di passare al campo satellitare: "Nel




■ **Il direttore delle vendite Huang Wei mostra il roadmap per i nuovi modelli di ricevitore Jiuzhou nel 2009 – sono tutti equipaggiati con chipset ST.**

2008 circa il 95% dei nostri prodotti era destinato alla definizione standard, ma nel 2009 il segmento dell'alta definizione avrà un sensibile incremento per passare al 20/25 percento."

Jiuzhou ha in magazzino una gamma completa di nuovi modelli per andare incontro alla domanda. Nel numero precedente, TELE-satellite ha già presentato il DTS 6600. Nel frattempo è stato anche lanciato il DTS 6610 con doppio sintonizzatore e sarà a breve testato da TELE-satellite.

"Anche il DTS 6620 è nuovissimo e realizzato appositamente per il provider di Pay-TV francese TNTSAT di Canal Plus," continua Huang Wei, mentre traccia su un tabellone i nuovi modelli e le loro date di

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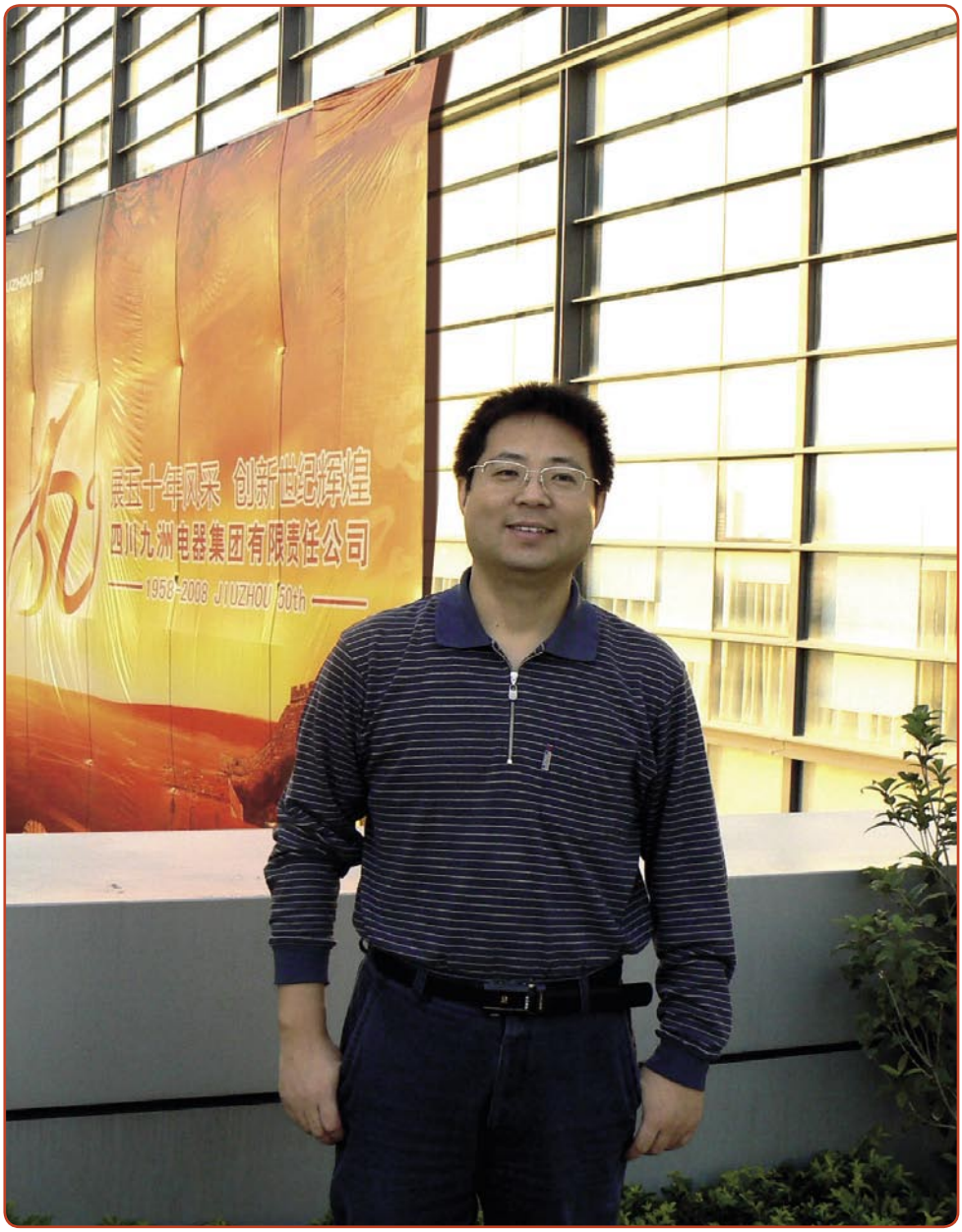
lancio. "Nel corso del 2009 presenteremo modelli con integrato Conax, Irdeto per India e Turchia, come anche con NDS." Stiamo realizzando anche un modello IPTV, ma "per il momento la richiesta qui non c'è ancora," rivela Huang Wei, "sebbene France Telecom abbia pubblicato una gara d'appalto."

Per principio, tutti i ricevitori sono PVR, dal momento che un hard disk oppure una memory stick possono essere collegati alla porta USB. "Stiamo sempre più collaborando con i principali fornitori di contenuti e quindi produciamo secondo le loro specifiche," Huang Wei dettaglia la strategia di business di Jiuzhou. Ciò significa che da un punto di vista tecnico, Jiuzhou è in grado di integrare un hard disk come caratteristica di fabbricazione ed offrire in questo modo un PVR completo.

"Qui a Shenzhen abbiamo correntemente circa 250 ingegneri software impiegati ed aggiungiamo da 20 a 30 nuovi lavori ogni anno," afferma Huang Wei orgogliosamente e spiega che in questo modo Jiuzhou è in grado di sod-




**Chen Jun è uno degli ingegneri software alla Jiuzhou. Qui lo vediamo mentre programma il software per un ricevitore HDTV.**

disfare le richieste dalla clientele abbastanza facilmente. "I ricevitori combo, per esempio, non sono assolutamente un problema, ed anche l'audio Dolby può essere integrato, in quanto abbiamo recentemente acquistato la licenza per questo."

L'ABS è uno degli sviluppi più recenti – vedete l'articolo sulle sue caratteristiche in questo numero per maggiori dettagli. ABS è lo standard di trasmissione implementato per le trasmissioni DTH in Cina e potrebbe essere una carta vincente per il mercato cinese. "Stiamo ancora attendendo le specifiche finali, ma il 2009 dovrebbe vedere il lancio dell'ABS," afferma Huang.

Come conseguenza dei progetti di Jiuzhou, il 20 percento dei loro ricevitori saranno modelli ABS. Il 50 percento saranno per la definizione standard ed il 20 percento per l'alta definizione. Huang Wei conclude che "noi produciamo anche il ricevitore 6600 come scheda plug-in per i pannelli LCD." Ciò significa che i prodotti Jiuzhou sono integrati anche in prodotti di altre marche.

Questo significa che ciò è tutto per ora per quanto riguarda i ricevitori satellitari e Jiuzhou? Niente affatto! Il Gruppo Jiuzhou è la sede di un'altra società ancora: Jiuzhou Electronic, che è produttrice di ricevitori satellitari professionali che vengono utilizzati principalmente come ricevitori terminali dai fornitori di TV via cavo. TELE-satellite ha presentato il DVS-2018BS nel numero 11/2007.

Mentre questo era un ricevitore per definizione standard, il direttore del-

**Il direttore marketing Overseas del Gruppo Jiuzhou nella veranda verde dell'edificio della Jiuzhou Electric. L'enorme poster sullo sfondo celebra il 50° anniversario della Jiuzhou.**

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l'export Yonchin Shou spiega che il nuovo modello DVS-2018CS è compatibile con l'HDTV. "Ora le compagnie cablate possono includere anche i canali HDTV nelle loro offerte." Anche con moduli CI, se ce ne fosse bisogno.

TELE-satellite sta attualmente lavorando ad un rapporto di test per questo particolare modello. "Il modello corrente è fatto per l'MPEG-2, ma i nostri oltre 200 ingegneri a Sichuan e Pechino stanno già lavorando su un modello MPEG-4," ci dice Yonchin Shou per quanto riguarda i progetti futuri. "Proprio adesso, comunque, la richiesta di ricevitori MPEG-4 è ancora piuttosto limitata."

Anche dopo 50 anni Jiuzhou possiede idee fresche per nuovi modelli. Naturalmente, siamo anche interessati alle strategie di mercato utilizzate da Jiuzhou e ci siamo rivolti a Tang Erman per le risposte. Tang è direttore dell'Overseas Marketing Department del Gruppo Jiuzhou e – quando gli è stato chiesto dove vedesse mercati futuri per i prodotti Jiuzhou – crede che "in Europa e Nord America la richiesta è chiaramente per ricevitori HDTV, mentre l'Asia vuole l'SDTV."

Tang Erman distribuisce le risorse di conseguenza: "Nel 2009 saremo presenti a 12 esibizioni specializzate," ci dice Tang Erman e spiega le differenze rispetto al 2008: "Lo scorso anno avevamo piccoli stand in 19 fiere, nel 2009 il numero di fiere diminuirà per noi, ma aumenterà la dimensione dei nostri stand."

**Il direttore delle vendite Yonchin Shou indica il nuovo ricevitore satellitare HDTV professionale sul nuovissimo catalogo CATV (www.jiuzhoutech.com).**

Naturalmente Jiuzhou si affida anche ad internet come mezzo pubblicitario. Tang Erman rivela che "il 25 percento del nostro budget di marketing è speso per pubblicità online." Vengono considerati principalmente i siti di B2B Alibaba o Globalsources. "Il 15 percento delle nostre risorse pubblicitarie va in pubblicità su stampa come in TELE-satellite, ed il 60 percento viene speso in fiere specializzate ed esibizioni."

Tang Erman spiega anche perché i soldi vengono distribuiti in questo modo: "Riceviamo molti feedback dalla pubblicità online, ma otteniamo piccoli ordini. La presenza alle fiere è più efficiente in termini di produrre ordini, in quanto lì entriamo in contatto con i distributori all'ingrosso." D'altra parte, la partecipazione alle fiere costa un sacco di soldi e "lo show si conclude solo dopo pochi giorni," Tang Erman si rammarica. E così esiste ancora le pubblicità sulla stampa: "In questo modo siamo pre-

**La gamma di prodotti dell'azienda è mostrata nello showroom della Jiuzhou. Sedute sul divano: Kitty (sinistra), assistente di Linda Lee (destra), del Dipartimento Marketing Overseas del Gruppo Jiuzhou.**

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senti di fronte ai nostri potenziali clienti con uno sguardo che dura a lungo e che ci fornisce l'opportunità di modellare la nostra immagine." Tang Erman è molto soddisfatto della sua strategia complessiva di marketing ed afferma che "vogliamo mantenere questo rapporto e non abbiamo pianificato nessun cambiamento significativo." Il dipartimento di Tang Erman è formato da 20 impiegati a Shenzhen, che sono responsabili delle comunicazioni esterne.

Jiuzhou – attiva come sempre, anche nel suo 51° anno!

**Un prototipo HDTV viene testato dall'ingegnere software Zhu Xiaoyong con un vero segnale satellitare.**

# Worldwide Satellite in Northern Holland

**The Dutch are known for their love of RV's** and naturally want to be able to enjoy satellite reception in their mobile homes. A company that sells and installs the necessary motorized antennas is Worldwide Satellite located in northern Holland, in Purmerend near Edam north of Amsterdam.

Dennis van Leeuwen is one of the co-owners of Worldwide Satellite and immediately sets the record straight: "Today only 30% of our sales are related to mobile satellite system installations." Dennis along with his brother and partner Rob founded the company in 1995. "Back then we operated four video rental stores", explains Dennis and then went on, "but business continued to get worse and worse so we switched our business over to satellite equipment."

It was an obvious move considering that Dennis is an amateur radio enthusiast and was already interested in satellites back in 1989 when ASTRA started. "Only if you have fun with what you do can you be successful", suggests Dennis.

At first the two brothers installed satellite systems only for private end-users but after a few years that changed. Dennis explains: "We began to install satellite systems for sporting events in many of the sports bars in Amsterdam and this makes up about 40% of our sales today."

Installations for professional customers is not only more interesting than those for private end-users, reveals Dennis, "It also is more challenging since in many cases new solutions have to be found." Their professional customers include not only sports bars but also professional programming providers above all in the Hilver-

**The two brothers Dennis and Rob van Leeuwen purchased this section in Purmerend's industrial park. It is made up of two floors totaling 400 sq-m and comes with a sales area, a stockroom and large garage to install motorized systems on RV's. A customer's RV is pictured here.**

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Dennis van Leeuwen in Worldwide Satellites sales and display room.
One of their hot products is motorized satellite systems for RV's.

Rob van Leeuwen is seen here standing in front of a demonstration rack with receivers from various manufacturers. Ron and Dennis are brothers and operate Worldwide Satellite together.

sum region. "We also took part in satellite systems on oil platforms", explains Dennis.

Rob provides us with some insight into the products that are used: "In The Netherlands, multiple satellite reception is in high demand, especially ASTRA at 19.2 east and 28.2 east as well as HOTBIRD at 13 east. The best solution for these satellites is a Multi-LNB dish." Since The Netherlands is covered by strong signals, a 90cm diameter antenna would do the job. "On the professional side, we supply 120cm dishes", comments Rob, "We don't use larger antennas." Since Worldwide Satellite's customers are sophisticated, they only offer quality receivers such as those from Topfield and Arion.

Worldwide Satellite does not have any employees. "We used to use freelance installers", comments Dennis about the past, "but more often than not they were unreliable." Today, during the week Dennis and Rob are out on the road installing satellite systems while on Fridays and Saturdays their store is open for customers. "It can be a lot of work for us", says Dennis, "but it makes us happy."

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# Microwave Filter Company
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*I sistemi satellitari ricevono non soltanto i canali TV, radio e di dati che desiderate veramente, ma anche segnali indesiderati che possono causare interferenze. Come potete liberarvi di questi segnali di interferenza? MFC, un produttore pioniere di filtri satellitari con base negli USA, produce una varietà di filtri che eliminano queste interferenze.*

Carl Fahrenkrug è il Presidente e CEO di Microwave Filter Company.

Sempre al telefono coi clienti: Sandy Nelepovitz è Senior Marketing Associate e guida il team delle vendite.

Scott Parsell, Direttore delle Vendite, gestisce la rete dei rappresentanti per le vendite domestiche e internazionali, che cercano in continuazione nuove opportunità per l'azienda.

"L'azienda fu fondata nel 1967, qui nell'Upstate New York", spiega Sandy Nelepovitz, Senior Marketing Associate di MFC, per certi versi il cuore e l'anime dall'azienda. Essendo stata alla MFC per 30 anni, offre rapidamente un po' di storia aziendale, "Glyn Bostick, il fondatore di MFC, iniziò effettivamente l'attività in un garage, producendo filtri per l'uso amatoriale della radio. Nel 1973, ci spostammo nella nostra ubicazione attuale. All'epoca affittavamo solamente una porzione della struttura, condividendola con altre aziende. Nel 1983, poiché gli affari continuavano a crescere, fummo in grado di acquistare l'intera struttura di 3.700 metri quadrati."

Scott Parsell, Direttore delle Vendite, che è alla MFC da almeno 20 anni, prosegue spiegando, "Nonostante la flessione economica e i cambiamenti tecnologici che hanno avuto luogo nell'industria delle telecomunicazioni nel corso degli anni, gli affari di MFC restano solidi – in gran parte per il fatto che noi offriamo una vasta gamma di filtri – che servono, virtualmente, tutti i segmenti del mercato delle telecomunicazioni (Satcom, CATV, Broadcast, Wireless, ecc.). Questa differenziazione di prodotti comporta che il nostro successo non è dipendente dal successo di uno specifico segmento di mercato." In aggiunta, tecniche snelle di produzione, implementate alcuni anni fa, hanno accresciuto l'efficienza della produzione – permettendo a MFC di essere più competitiva.

Che cosa produce esattamente MFC? Scott si rifà ad una delle più popolari linee di prodotto, "La nostra serie di filtri passa-banda per la banda C vengono utilizzati sulle antenne riceventi per la bnda C in tutto il mondo. Questi filtri vengono installati tra l'LNB ed il feed, rimuovendo i segnali indesiderati localizzati sopra o sotto la banda desiderata."

Sebbene questi segnali indesiderati siano fuori banda, il loro livello di potenza è talmente alto, che essenzialmente saturano l'LNB e creano figure di interferenza intermittenti o continue attraverso l'intera banda C. Di conseguenza, i filtri IF di 1° e 2° livello sono inutili e l'unica soluzione è quella di eliminare con un filtro passa-banda sul feed prima della conversione del segnale.

Scott continua, "Noi offriamo filtri passa-banda per banda standard (500 MHz), banda estesa (600 MHz) e banda super-estesa (800 MHz). Offriamo anche filtri calibrati secondo le esigenza del cliente per applicazioni speciali. Così, possiamo fornire il modello giusto di filtro per operazioni in banda C in qualsiasi angolo del mondo."

Quando vi potrebbe occorrere un filtro come questo? Scott ci fornisce qualche esempio, "I segnali degli altimetri che rimbalzano tra i velivoli commerciali e gli aeroporti furono riconosciuti come uno dei primi tipi di interferenze fuori banda per gli operatori in banda C. Comunque, quel tipo di problema è normalmente limitato alle antenne in banda C posizionate vicino agli aeroporti. Subito dopo vennero i segnali radar ad alta potenza utilizzati nella sorveglianza militare (p.e. – gli aerei AWACS) che causarono problemi a moltissime antenne in banda C. Questa sorveglianza aumentò rapidamente dopo gli attacchi del 9/11 e sembrò come se ogni antenna per banda C negli USA ne fosse colpita, assieme a molte altre antenne in tutto il mondo. Come risultato, il radar continua ad essere la causa n°1 delle interferenze per gli operatori in banda C."

"Più recentemente," aggiunge Scott, "è emersa una nuova sorgente di interferenza per la banda C - Wimax". In varie parti del mondo, Wimax opera all'interno della gamma 3,3-3,8 GHz. Questi segnali Wimax possono interrompere la ricezione


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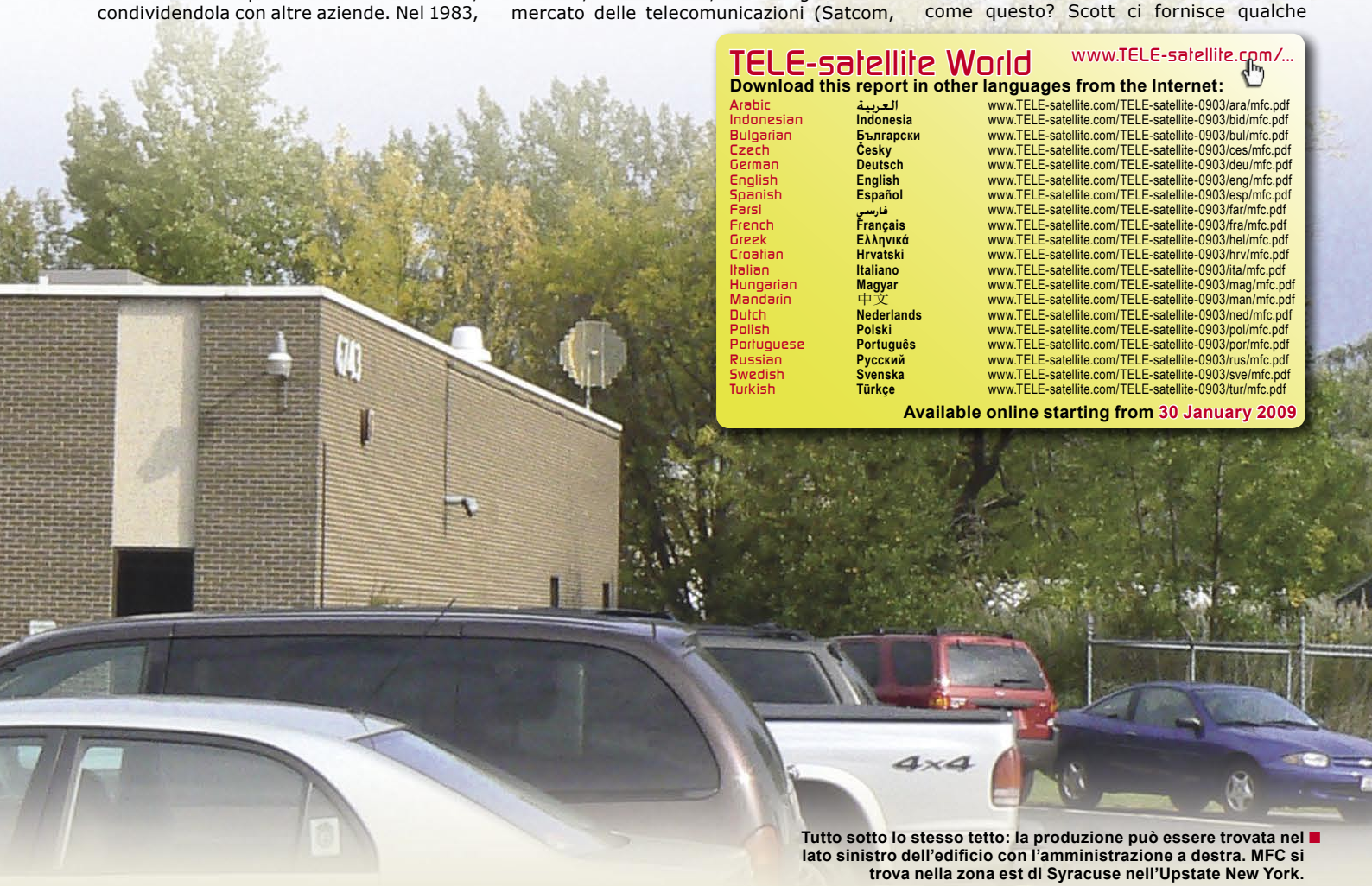


**Tutto sotto lo stesso tetto: la produzione può essere trovata nel lato sinistro dell'edificio con l'amministrazione a destra. MFC si trova nella zona est di Syracuse nell'Upstate New York.**

**Eric Logan è uno dei tecnici ingegneri. Può configurare il progetto di un filtro esattamente secondo le esigenze del cliente direttamente sul suo PC. MFC offre anche molti filtri per utilizzo militare (p.e. - banda X).**

**Se le cose si complicano, il team di ingegneri si riunisce e sviluppa soluzioni speciali. Paul Mears (sinistra) è Vicepresidente dell'Engineering, Bob Paul (centro) è Chief Engineer e Mike Wise (destra) è Mechanical Engineer.**

satellitare in banda C della banda C superestesa (3,4-4,2 GHz) – a causa della banda comune di frequenze che condividono. In questi casi, chi opera in banda C deve installare un filtro passa-banda per banda C per respingere i segnali Wimax indesiderati. Ad ogni modo, dal momento che il filtro respinge i segnali Wimax della stessa frequenza, anche alcuni segnali della banda C più bassa vengono respinti (sacrificati).

Pur tuttavia, gli operatori in banda C preferiscono sacrificare un po' della banda C, se il risultato è buono, con una ricezione pulita della porzione restante della banda C. Poiché Wimax è relativamente nuovo, Scott prevede una richiesta potenzialmente in crescita di filtri da parte di chi opera in banda C per risolvere questo problema in ogni parte del mondo.

Al confronto degli operatori in banda C, gli operatori in banda Ku affrontano molte meno interferenze provenienti da altre sorgenti, dal momento che operano in una banda di frequenza più alta e meno congestionata rispetto all'affollata banda C.

"Nondimeno, i filtri TRF (Transmit Reject Filters) sono necessari in molte applicazioni di ricetrasmissione in banda Ku – dove l'uplink ed il downlink avvengono attraverso la stessa antenna. Il TRF viene montato sulla parte ricevente (10,7-12,75 GHz) del feed per eliminare i forti segnali di trasmissione (13,75-14,5 GHz) che si trovano presenti", spiega Scott.

Mentre MFC produce anche filtri passa-banda per la banda Ku, "la richiesta di filtri per banda Ku è ancora piuttosto bassa", ammette Scott, "dal momento che le operazioni in questa banda di frequenza sono limitate a questo punto."

Sandy Nelepovitz fornisce un ulteriore visione dell'azienda, "La nostra base maggiore di clientela è domestica – dal momento che MFC continua ad essere anche uno dei primi fornitori di filtri CATV per operatori di TV via cavo all'interno degli USA". Sandy continua, "Le vendite di export sono state tra 5% - 7% dal 1992. Comunque, ci aspettiamo che queste vendite aumentino ancora con la crescente domanda di filtri satellitari al di fuori degli USA."

Chiunque può ordinare da MFC, che si tratti di un grande numero di filtri oppure uno solo. "Offriamo anche un garanzia di 30 giorni per la restituzione del denaro sui filtri standard", commenta Sandy, "il cliente deve solo sostenere le spese di spedizione, se quel filtro non è la soluzione." Comunque, dal momento che i clienti conoscono in anticipo quale tipo di filtro gli serve, normalmente non hanno bisogno di utilizzare la garanzia del rimborso.

Naturalmente, cosa accade quando non conoscono quale tipo di filtro scegliere? Sandy spiega, "Il nostro staff addetto alle vendite include tecnici associati che conoscono la maggior parte dei problemi che si presentano ai nostri clienti. Quindi, data l'applicazione, essi possono assistere il cliente nello scegliere il filtro appropriato per quel lavoro." Ma per quei clienti che non sono ancora sicuri se un certo filtro potrà risolvere il loro problema, questa garanzia permette di acquistare e provare semplicemente un filtro standard, evitando così l'alto costo di ingaggio per un consulente che determini la loro soluzione.

Nel corso degli anni MFC si è costruita un'interessante e sofisticata nicchia di mercato nel mondo dei satelliti. Con la loro combinazione di conoscenza e impegno per l'alta qualità, MFC può soddisfare facilmente gli speciali desideri di qualsiasi cliente. Se siete alla ricerca di un modo nuovo per combattere le interferenze, avete trovato la soluzione giusta nella linea di filtri di MFC.

**Ruth Arace è Manager delle Risorse Umane e ci fornisce un'occhiata sugli impiegati di MFC: "Abbiamo 6 ingegneri, 36 associati alla produzione e 11 amministrativi."**

**Alla fresatrice CNC con Bruce Sentoff (sinistra) e Dale Newton (destra). Il corpo di molti modelli di filtro vengono prodotti qui, ricavati da blocchi solidi. "Noi programmiamo le macchine alla sera, dopodiché queste lavorano automaticamente durante la notte", spiega Bruce Sentoff.**

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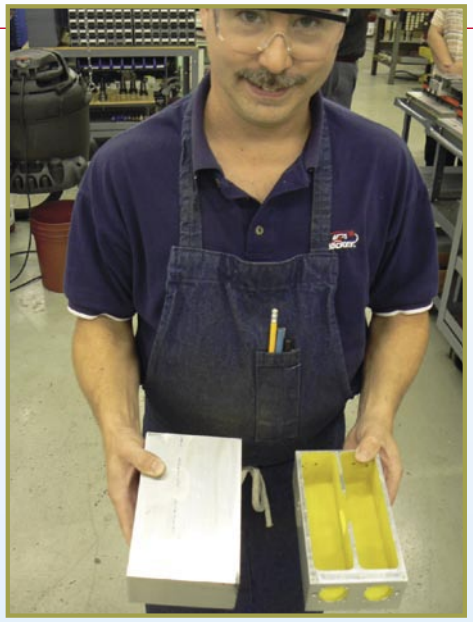
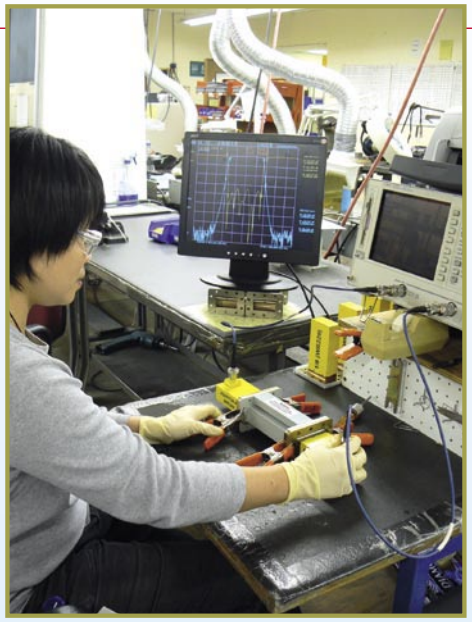


■ Dale Newton ci mostra la sequenza di produzione: da un blocco solido di alluminio (sinistra) il corpo di un filtro completo viene ricavato con la fresa, con tutte le aperture per i collegamenti e le viti (destra).

■ La sonda di ricezione nel filtro viene posizionata da Vertell Brantley. La colla che viene usata deve riposare per tre ore; i filtri sono immagazzinati in questa camera protetta dall'aria circostante. Dopodiché i filtri vengono fissati con una chiusura ermetica a prova di intemperie.



■ È andato tutto bene durante la produzione? Thuy Naylor conduce un test finale per determinare se il filtro è all'altezza delle sue specifiche collegandolo ad una analizzatore di rete per confermarne il funzionamento.

■ Qui un filtro viene assemblato meccanicamente. L'impiegata di MFC Melissa Bench prepara un filtro per il forno di saldatura…

■ Bill Adamo è il Quality Control Group Leader e ci mostra come la chiusura ermetica di un filtro venga testato sotto pressione: "Il filtro viene posizionato qui e pressurizzato con aria a 5 PSI." In questo modo possono verificare se l'interno del connettore, come anche la sua montatura nell'alloggiamento sono resistenti all'aria. "La più piccola fessura può permettere il formarsi dell'umidità a lungo andare e può alterare le caratteristiche del filtro", dice Bill Adamo, "Noi testiamo il 100% dei nostri filtri!" Ogni cliente può essere certo che ogni e qualsiasi filtro MFC è all'altezza delle sue specifiche di alta qualità.

■ MFC fa virtualmente tutto da sé: i filtri completi qui vengono spruzzati con una strato protettivo colorato.

■ …il vero processo di saldatura avviene nel forno di saldatura attraverso cui passano i filtri.

■ Sulla via verso il cliente: i filtri completi e completamente testati vengono imballati e spediti da qui verso i clienti in tutto il mondo.

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# ABC BIZNIS – Veri Combattenti

*Una giovane squadra in crescita verso l'élite del mercato europeo dei ricevitori satellitari con il proprio marchio OPENSAT. ABC BIZNIS è stata fondata solo alla fine del 2004 ed in questo breve tempo è riuscita a diventare un importante fornitore di ricevitori satellitari. Purtroppo, il cammino verso il successo è stato frenato nel 2008 dall'improvvisa scomparsa del fondatore della società. Volevamo scoprire come ABC BIZNIS fosse stata in grado di affrontare questo tragico evento.*

Oggi, ABC BIZNIS è un grossista consolidato sul mercato slovacco, offrendo anche antenne, LNB, cavi coassiali e ricevitori. Come costruttore, ABC BIZNIS esporta i propri ricevitori sotto il marchio OPENSAT.

All'inizio del 2007 l'azienda ha avviato la produzione della prima linea di ricevitori commercializzati come OPENSAT. Ha iniziato con una gamma di quattro ricevitori SD ai quali, a metà 2007, si è affiancato il primo ricevitore HD seguito da un secondo modello HD a metà 2008 che è stato presentato da TELE-satellite nel numero scorso.

Ma come hanno affrontato l'improvvisa scomparsa del fondatore? La risposta si trova nella giovanissima squadra messa insieme dal nuovo direttore Veronika Rešetková che racconta ciò che è accaduto: "Dopo la morte di mio figlio Erik, che era il fondatore di ABC BIZNIS, ho rilevato la gestione della sua attività". Veronika enfatizza un punto particolare: "Circolano voci che siamo alla

**Veronika Rešetková è direttore di ABC BIZNIS solo da pochi mesi. Una fotografia di suo figlio Erik, fondatore della società e scomparso di recente, occupa un posto speciale sulla sua scrivania. E' lui la sua forza trainante per guidare di ABC BIZNIS.**

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La responsabile marketing Veronika Rešetková, figlia del direttore Veronika Rešetková e sorella del fondatore della società Erik Rešetka. Decide le strategie ed i marchi pubblicitari di ABC BIZNIS: “Diverse tonalità di nero e verde sono i nostri colori sociali”.

La sede di ABC BIZNIS: il magazzino è sul davanti, mentre l’insieme degli uffici si trova sul retro. “Ma non è tutto”, rivela la responsabile marketing Veronika Rešetková: “Abbiamo anche ulteriore spazio magazzino affittato ad un’altra azienda”.

Immagine del reparto amministrazione con la responsabile contabilità Zelmira Remenova (a sinistra), l’assistente Martina Ondrusova (al centro) e l’amministratore dei sistemi Jefferson Kenji Takahashi.

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ricerca di un partner o di qualcuno che ci rilevi, ma non ha senso!".

Come prova di ciò, due importanti pilastri la sorreggono nel lavoro quotidiano: da un lato la squadra di 14 persone che sono al 100% in sintonia con la visione aziendale, dall'altro la profonda esperienza che Veronika Rešetková ha acquisito nel suo precedente lavoro di gestione di un'azienda simile nel settore tecnologico.

La sorella minore di Erik, anch'essa di nome Veronika, ci porta agli albori della società: "Fin dall'età di 13 anni Erik dava una mano nell'attività di nostro padre". Anche la sua carriera professionale ebbe inizio nell'azienda paterna, ma dopo una decina d'anni Erik sentì che era il momento di con-

**Le merci vengono preparate per la consegna nel magazzino. Il responsabile del magazzino Martin Patay è alla guida del muletto, Lukas Michalik (a destra) è uno degli autisti, mentre Jefferson Kenji Takahashi controlla un ricevitore pronto per la consegna.**

La responsabile acquisti Karolina Štreicherová è in costante contatto con i fornitori.

Chi ordina un ricevitore satellitare dalla ABC BIZNIS entra in contatto con la responsabile vendite Hana Danišová. Parla inglese perfettamente ed offre supporto professionale ai clienti di tutta Europa. Naturalmente è molto orgogliosa del successo dei vari modelli di ABC BIZNIS: "L'OPENSAT X7000 è il nostro prodotto più venduto, il 40 percento degli ordini di ricevitori è per questo particolare modello". Un 25 percento ciascuno è per l'OPENSAT X7000CI e X7700, mentre il restante 10 percento è coperto dall'XT9500HD, un apparecchio HDTV.

Anche un prodotto della migliore qualità a volte può non funzionare. Peter Ciljak è uno dei due tecnici di ABC BIZNIS. Qui sta sostituendo un chipset difettoso su una scheda madre.

Il manager IT Alexander Marko si occupa dell'infrastruttura interna ed offre anche supporto ai clienti di ABC BIZNIS.

cretizzare le proprie idee creando il marchio OPENSAT. Si mise in società con Karolina Štreicherová, oggi responsabile acquisti di ABC BIZNIS, ed un autista e nel 2004 fondò l'azienda ABC BIZNIS.

Grazie alle sue idee creative ed al fatto che queste coincidevano esattamente con ciò che il mercato stava cercando, non gli servì molto tempo per avere successo con i prodotti lanciati sul mercato sotto il marchio OPENSAT. Dapprima consolidò OPENSAT nel mercato locale slovacco, poi nel 2007 cominciò a guardare al mercato estero iniziando da quello ceco. Riuscì velocemente a raggiungere una quota di esportazioni del 40 percento, con la prospettiva per il 2008 di una percentuale del 50 percento di ricevitori OPENSAT diretti all'estero.

Karolina Štreicherová, che fa parte della squadra fin dagli inizi, ci informa sulla ripartizione delle esportazioni del marchio OPENSAT sui vari mercati: "La Repubblica Ceca, nostra vicina, copre la quota più grande dei prodotti OPENSAT arrivando al 50 percento, seguita da Germania e Svizzera con il 20 percento ciascuna e dal resto d'Europa con il 10 percento".

ABC BIZNIS si rivolge attualmente a nazioni come Spagna e Portogallo dove vorrebbe veder crescere la propria quota di mercato e dove è pertanto alla ricerca di distributori partner. "Stiamo anche guardando all'Austria e al Benelux", aggiunge Karolina, "così come alle nazioni nostre vicine Ungheria ed Ucraina dove ci occorrono ulteriori distributori".

Il direttore Veronika Rešetková rivela

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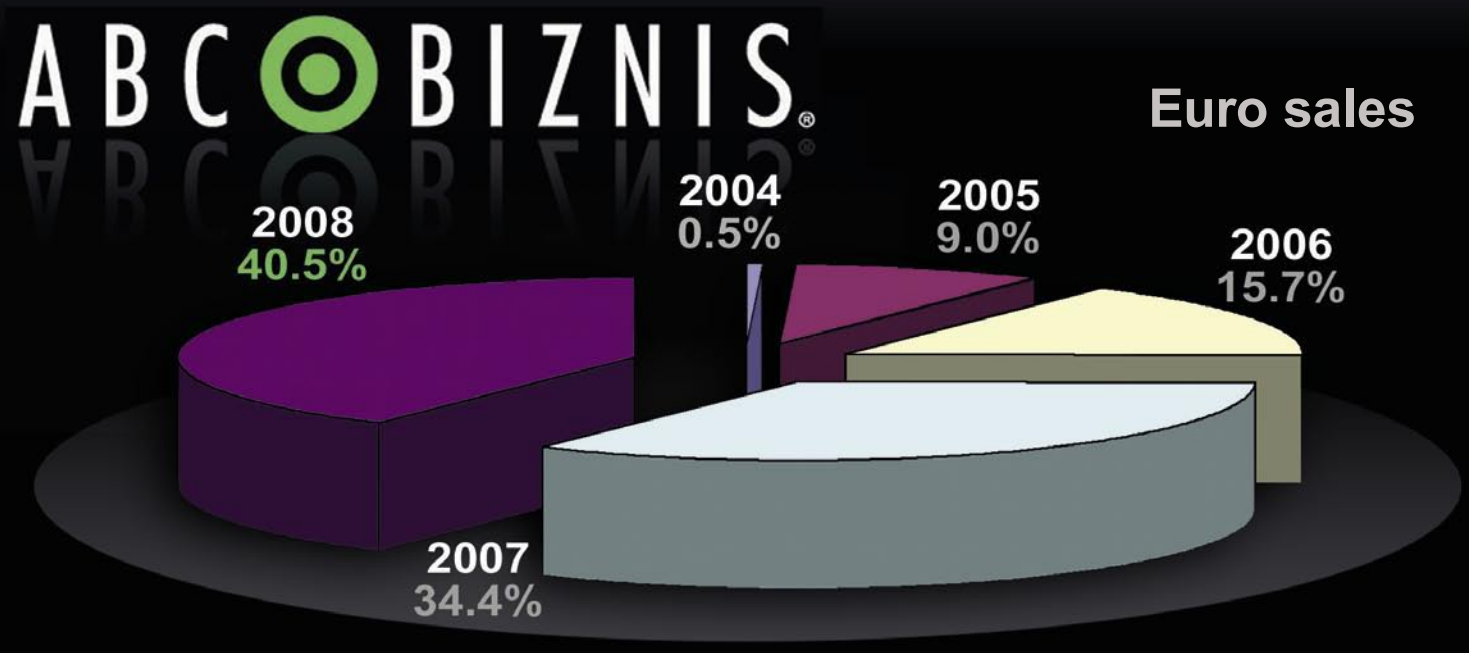
un interessante strategia di vendita: "Spediamo i nostri prodotti gratuitamente!". Ciò è possibile grazie ad una flotta di quattro furgoni Mercedes Benz Sprinter di proprietà di ABC BIZNIS che passano la maggior parte del tempo in giro per l'Europa a fare consegne. "Non fissiamo nemmeno una quantità minima da ordinare", aggiunge Veronika, "e quindi possiamo anche consegnare piccoli lotti senza spese aggiuntive". Questo è un importante vantaggio per piccoli rivenditori e distributori in particolare. "Vogliamo dare ai piccoli clienti la possibilità di crescere ed in questo modo noi possiamo crescere insieme a loro", afferma Veronika con convinzione. Il responsabile vendite Hana Danišová ha subito pronte altre buone notizie: "In generale, tutti i nostri prodotti sono coperti da due anni di garanzia!".

Quando leggerete questo articolo saranno sugli scaffali alcuni nuovi modelli. Il direttore vendite Hana Danišová ci elenca le novità: "Abbiamo l'OPENSAT 3000 CR PVR che è un PVR con singolo lettore di smart card. Poi c'è l'OPENSAT 3000 CRCI PVR che ha in più il modulo CI. Entrambi i modelli sono disponibili anche come OPENSAT 3500 HDMI PVR e OPENSAT 3500 CI HDMI PVR che, come la sigla suggerisce, dispongono anche di uscita HDMI".

Anche se, come potete ben immaginare, la scomparsa del fondatore è stata un tragico evento, tutta la squadra intorno a Veronika Rešetková è diventata ancora più coesa. Agiscono tutti di concerto e ciascuno di loro ha il proprio compito specifico in modo che tutte le attività scorrano senza intoppi. Veronika, figlia del nuovo direttore e sorella del fondatore della società, ha una semplice spiegazione per il loro successo: "Sappiamo tutti ciò che Erik voleva raggiungere e lavoriamo verso quell'obiettivo pensando a lui".

**Dal 2004 ABC BIZNIS ha avuto uno sviluppo a razzo. Allora il fatturato in Euro era solo lo 0,5 percento del totale, mentre nel 2008 rappresenta il 40,5 percento.**

**Pronti per una foto di gruppo: le due Veronika (madre al centro, figlia accanto a lei) circondate da quasi tutti gli addetti. L'età media del personale è tra i 30 e i 35 anni.**



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Manfred Weller set up his shop in the Mar-Ola apartment complex right in the middle of the tourist capital Las Americas in the town of Los Cristianos.

# Mennyfix

*Obviously, the company name Mennyfix is a play on words: "many fix", the guy who can fix anything. Menny is the nickname for Manfred Weller who moved to Tenerife from Germany 21 years ago and began selling and installing satellite systems.*

Manfred Weller, who comes from Cologne/Germany, arrived in Tenerife in the Canary Islands in 1987. He started as a time share salesman: tourists would purchase ownership in a vacation apartment for a certain time each year. But, as an electrician by trade, he soon began to miss working with his hands and in 1989 joined a local satellite company installing dishes. After a few years he decided to go out on his own and in 1994 founded his own company Mennyfix right in the middle of the tourist hotspot Playa Las Americas in southern Tenerife.

Naturally, that was a clever move since on the one hand, long-term tourists wanted to watch their TV from home, and on the other hand digital TV started peaking in 1994. "I imported quite a few D-boxes into Tenerife", remembers Manfred, "Back then BBC Prime still existed and thus our customers were the English." With five employees he installed mostly 100cm antennas: "In our first year it was nearly 2000 systems!" commented Manfred proudly.

But that kind of success did not continue, it didn't take too long to reach the saturation point. This made it necessary for Manfred to look for other types of customers: "Today we install satellite systems mostly for sports bars; this makes up roughly 60% of our sales. The remaining 40% continue to be with private customers."

Manfred, who married a nice English girl, states that 65% of their customers are from Great Britain. "The English are crazy about sports!" And Manfred knows how to deliver their sporting events and from what satellites to get them from. 60% of the satellite antennas his company installs are 1.1 meters in diameter, 30% are 3.0-meter offset dishes for ASTRA 2 reception and 10% are the smaller 60cm antennas for the reception of the Showtime package on NILESAT. "Every soccer game can be seen there", says Manfred. He really loves that programming provider from Dubai.

Manfred is skeptical about the future: "In ten years I believe everything will go through the Internet." He suggests that two-way Internet via satellite will have a chance, "but

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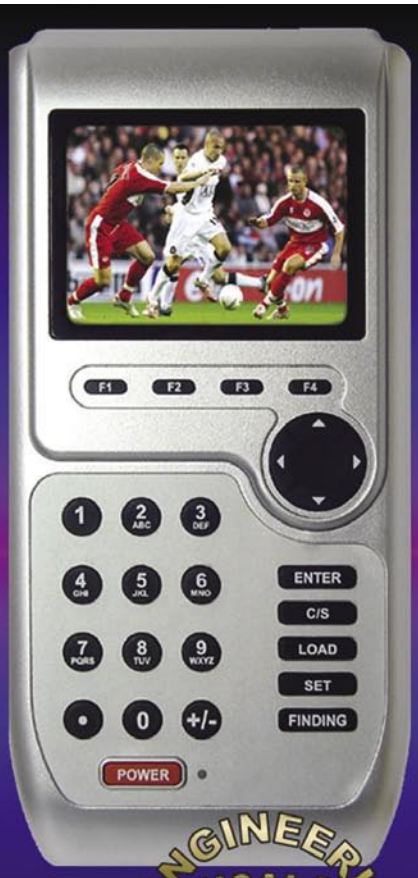


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Manfred Weller, nicknamed Menny, speaking with customers. After hanging up his landline telephone, it doesn't take long for his mobile phone to ring. He can speak with his customers fluently in three languages: German, English and Spanish. He has been reading TELE-satellite regularly for the past 14 years.

the prices are still significantly high." He is also skeptical about HDTV: "There is no decent programming available." Will his skepticism become reality? Only the future holds the answer.

Manfred Weller is also privately a satellite enthusiast. In addition to the smaller antennas he installed on his property in the exclusive Regency Country Club in Chayofa, he also has a 3.1-meter dish for ASTRA 2 reception.

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# Shenzhen Satellites

■ Laoge works on setting up a reception system with three LNBs.

*As of now private satellite reception is still illegal in China, but in actual fact you can always find a loophole if only you look hard enough. Satellite installers advertising their services in English and setting up systems for foreigners, for example, don't have much to fear from the authorities.*

Laoge shows us a picture of one of his first installations on his laptop computer in a busy Starbucks right at the Dongmen Markets in Shenzhen. One of the Dream receivers he likes to use for AGILA reception is on the table. "The LAN interface is quite important," Laoge whispers with the blink of an eye. Professionals among our readers will know exactly why. ■

Take Laoge, for example. We met him on a busy Saturday at a Starbucks right in the helter skelter of Dongmen Markets in Shenzhen. He has been installing satellite systems for foreigners in Shenzhen since 2006 and tells us how everything started: "It was back in 2006 when I virtually stumbled across the www.tv88.cn website while googling." The site is run by Daxue, one of the heavyweights of the satellite community in southern China. "He taught me everything about satellite reception," Laoge remembers. The two got in touch and soon became friends. One day a Filipino living in Shenzhen approached

■ **Thanks to his skills as software engineer Laoge has written a little application for recording the video stream of the Dreambox. He calls it Dreambox Recorder v1.0 and offers it for download at tv88.cn/Soft.**

Daxue because he wanted to have a satellite system set up at his home. Daxue hardly speaks any English, however, and forwarded this request to Laoge. "This Filipino became my first customer," Laoge tells us with pride. And his first job was to install a 60 cm antenna for reception of AGILA at 146° East.

Loage was commissioned to set up five more systems in 2006, one year later the number of jobs had risen to 15 and in 2008 Laoge installed a total of 32 antennas. "But it's still only a hobby. I'm a software engineer by profession," Laoge explains and adds that "I charge 2000 RMB (approx. 200 EUR) for each installation – and this includes antenna, LNB and receiver." Where does Laoge source his components? "I buy them at auctions on www.taobao.com," Laoge tells us. Taobao is something like the Chinese version of e-bay.

90 percent of Laoge's customers originally come from the Philippines and most of them live in the Nanshan area of Shenzhen. The AGILA offering, however, includes more than 30 English language channels and therefore might be interesting for foreigners with other nationalities as well. The following satellites can also be received quite easily in Shenzhen: APSTAR 1 at 138° East, APSTAR 2R at 76.5° East and ASIASAT at 122° East.

■ **Daxue (left), one of the more known satellite enthusiasts in China, and Laoge (right) meet at a satellite exhibition.**


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# EUROPE

## EUROPE

### ASTRA WITH 55 HDTV CHANNELS

The number of HD channels broadcast via the Astra Satellite System has increased significantly, reaching 55 in October 2008, an increase of 13 channels since August. With 55 HD channels broadcast from its main orbital positions, Astra represents the most important HDTV platform in Europe. The SES group, including SES Astra, SES Americom and SES New Skies, today transmits a total of 137 HD channels.

### SPACE SYSTEMS/LORAL TO PROVIDE SIRIUS 5 SATELLITE

Space Systems/Loral (SS/L) has been awarded a contract to manufacture a new spacecraft for Luxembourg-based satellite operator SES. Designed to be located at 5 degrees East, SIRIUS 5 is configured with two Ku-band beams, one serving customers in the Nordic and Baltic countries and the other serving Sub-Saharan African. It has a total of 36 active Ku-band transponders available. The spacecraft also has two C-band beams, one with Global coverage and one with Hemispheric coverage, which can be operated with up to 24 active C-band transponders. The satellite design also includes a Ka-band uplink capability. The satellite is scheduled for delivery in 2011 and is designed to provide service for more than 15 years.

### SES LAUNCHES ASTRA 1M SUCCESSFULLY

SES ASTRA's new ASTRA 1M satellite was successfully launched on November 8 from Baikonur to the orbital position 19.2 degrees East. It will be brought into its final orbital position in few weeks and will be made commercially available in January 2009 after extensive in-orbit testing. It will deliver DTH services including HDTV to Continental Europe.

### MTV TO LAUNCH HDTV SERVICE WITH GLOBECAST

MTV Networks International has selected GlobeCast for the recent launch of its first international HDTV service dedicated to music and kids. MTVNHD carries music based and kids' programming that is original, acquired and from MTVNI's multi-branded library. The 24-hour English-language HDTV service will initially be available in Denmark, Finland, Norway, Poland and Sweden, with plans to expand to France, Germany, the Netherlands, Portugal, the United Kingdom, Argentina, Brazil, Chile, Colombia, Mexico and Venezuela in the coming months.

## BULGARIA

### MEGALAN SELECTS SECUREMEDIA FOR IPTV SERVICE

ISP Megalan Networks has selected content security from US firm SecureMedia to secure its new triple-play service including IPTV which it has launched in Sofia. Megalan Networks has selected SecureMedia's Encryptonite ONE System to protect its new triple-play service, delivered over its fibre-to-the-building (FTTB) network with over existing 50,000 subscribers. The Bulgarian ISP also reportedly plans to rollout the service to other major population centres in Bulgaria in the future.

## CROATIA

### T-HT WITH 100,000 SUBSCRIBERS FOR IPTV SERVICE

T-Hrvatski Telekom (T-HT) has announced its client base has increased to 100,000 for its MAXtv IPTV product. This represents a rise of 40% since the end of June this year. MAXtv, which launched in September 2006, includes more than 100 local and international TV channels and a VOD library.

## FRANCE

### PRIVATE MEDIA SIGNS IPTV CONTENT DEAL WITH VIRGINMEGA

Adult content provider Private Media Group has signed an agreement with Virginmega France for the supply of content for distribution on the PC platform of Virginmega.fr and its IPTV operator partner. Private's content is currently available in 18 European countries via 35 IPTV providers covering a subscriber base of 7.3 million. Private's presence in the European IPTV market represents close to 75% market coverage.

### FOUR FRENCH TV CHANNELS GO HDTV

Four major French terrestrial HD channels launched in October, joining Canal Plus HD. TF1, M6 and France 2 are broadcasting their HD streams over R5, a new MPEG-4 DVB-T multiplex system with 27 transmitters covering about 40% of the French population. An additional 24 transmitters are planned to extend coverage to 60% by May. Arte is broadcast from the R4 multiplex, which has around 80% national coverage. An estimated 750,000 HD-ready TV sets have been sold in France so far this year, for a national total of around 7.2 million.

### ORANGE FRANCE WITH 1,6 MILLION SUBSCRIBERS

France Telecom's Orange France had 1.603 million digital TV customers by the end of the third quarter of this year, of which 70,000 were subscribers to its new DTH service, and recorded a 64.4% year-on-year growth for its digital TV service (IPTV and satellite) in the period.

## GERMANY

### DT WITH 333,000 CUSTOMERS FOR IPTV SERVICE

Deutsche Telekom reported a 33% jump in IPTV orders during the third quarter, and now has about 333,000 customer orders total for its Entertain IPTV service. About 257,000 customers actually had service activated at the end of the third quarter. DT is aiming to get 500,000 customers signed up by the end of this year.

## GREECE

### PRIMETEL INTRODUCES ARABIC MIDDLEWARE

PrimeTel, which provides voice, video and data services in Greece as well as developing IPTV middleware for other operators, has launched an Arabic user interface for its IPTV middleware product PrimeTV. It supports features such as TV Zapping, VOD, user interface in multiple languages, multicast EPG, caller ID on-screen, network PVR and time-shifting. The middleware also features interactive applications such as Internet video, interactive music video jukebox, photo gallery with USB upload functionality, games, email, chat and RSS news.

## ITALY

### TELECOM ITALIA TARGETS 1.5 MILLION IPTV SUBSCRIBERS

In its new three-year strategy, Telecom Italia is aiming to reach 1.5 million IPTV subscribers by the end of 2011, an ambitious gain from the 218,000 customers reported for the end of last September. The operator expects to reach 300,000 subscribers for its IPTV service Alice TV by the end of this year, and was recently reported to be already trialling fibre-to-the-home (FTTH) services, including IPTV, for commercial launch in 2009.

## LITHUANIA

### TWO WAY MEDIA IN IPTV GAMES DEAL WITH PENKI KONTINENTAI

UK interactive media production company Two Way Media has signed a licensing deal with Lithuanian IPTV operator Penki Kontinentai to supply a package of unique games as part of a new games service on the Lithuanian service provider's IPTV platform. The package features puzzle and strategy games including Two Way Media's most successful titles such as Buzzwords, Maze Master, Deal With It and Jelly Sets. Penki Kontinentai currently has around 25,000 subscribers for its IPTV service.

### TEO WITH 47,500 IPTV SUBSCRIBERS

Telecommunications operator TEO ended the third quarter of 2008 with 47,500 IPTV subscribers, compared to 28,000 at the end of the second quarter of this year. TEO recently added NBA TV to its 'Interactive GALA' IPTV and 'Digital GALA' DTT service, thus becoming the first operator in the region to offer the channel.

## MACEDONIA

### MAKTEL LAUNCHES MAXTV IPTV SERVICE

Makedonski Telekom (MakTel) launched an IPTV service in November, under the brand MaxTV. The operator also intends to offer the IPTV service as part of a triple-play bundle, 3 MaxTV, with internet access and fixed telephony. MakTel's basic MaxTV package costs MKD 999 (USD 20.48) per month and 3 MaxTV will be offered in two flavours – both of which require a one-off subscription payment of MKD 1,200. For MKD 2,499 per month, customers can take the unlimited internet traffic option, which also includes unlimited voice calls on the telco's network and over 70 TV channels.

## THE NETHERLANDS

### KPN WITH 30,000 IPTV SUBSCRIBERS

KPN ended the third-quarter 2008 with 700,000 subscribers for its combined digital TV operations, with 30,000 of these being IPTV subs and the remainder being customers for its pay-DTT service 'Digitenne'. This total number of 700,000 subscribers for all digital TV operations increased 69% year-on-year in the third-quarter of this year, while growth figures for its IPTV services in the period were not available.

## POLAND

### TPSA ADDS 3,000 IPTV SUBSCRIBERS IN Q3

TPSA added 3,000 IPTV subscribers in the third quarter of this year to reach 57,000 at the end of the period. The telecom operator also launched a satellite TV service in October in order to expand its footprint for the provision of triple-play services.

### CYFROWY POLSAT LAUNCHES ECHOSTAR'S NEW STBS

EchoStar Europe's advanced HD set-top box has been introduced by Cyfrowy Polsat, the largest Polish satellite television platform serving 2.4 million subscribers. The DBS-7100HD is equipped with the latest, single-chip silicon solution and features HDMI connectivity for a high quality connection to flat screen HD-enabled TV sets, Ethernet port for future-upgrade to a high speed, broadband return channel for the delivery of advanced,

value-added services, and Dolby Digital loop-through for delivery of high quality sound to a home cinema system.

## RUSSIA

### IPTV SUBSCRIBERS TO DOUBLE BZ 2012

According to a report by research company J'son&Partners, 600,000 Russian households will have IPTV by 2012, a twofold increase from 2007. Revenue from providing the IPTV service will reach US$ 19 million in 2008, increasing to US$ 56 million in 2012. The largest operators in the Russian IPTV sector in the first half of 2008 were Stream-TV, which accounted for 61% of the market, and Svyazinvest (31%).

### EUTELSAT TO COMPENSATE SHORTAGE OF SATELLITE CAPACITY

The Space Communications company is short of satellites to guarantee communications and TV broadcasting throughout Russia, according to its deputy general director Ksenia Drozdova. Satellite use is approaching 100%, while five out of the 10 satellites used by the company have reached the limit of their service life. With the goal of bridging the problem, Eutelsat and Space Communications have reached a deal on the assignment of satellites for guaranteeing communications in Russian territory, with the W2 satellite to be placed at the use of the Russian company.

### REDCOM BRINGS HDTV TO FAR EAST REGION

Consumers in Russia's eastern region of Khabarovsk will now be able to enjoy affordable access to HDTV, VOD and other multimedia services through a Metro Multiservice Transport Network (MMTN) that is based on Cisco technology. Redcom, Khabarovsk's leading telecommunications service provider, has implemented a strong network backbone that is scalable and fault-tolerant with high levels of security, selecting Cisco's Ethernet Fiber to the Home solution with Metro Ethernet technology. With Metro Ethernet, Redcom can now also differentiate traffic, offer flexible billing options to consumers, and expand bandwidth to meet peaks in service demand.

## SCANDINAVIA

### TELIASONERA RACHES 450,000 IPTV SUBSCRIBERS

TeliaSonera added 23,000 IPTV customers in the third quarter of 2008 across all regions to bring its total to 450,000, with over half of its IPTV customer base in Sweden paying to receive the service. In Sweden, more than 100,000 new subscriptions year-on-year were added to reach 320,000, however the company reported no growth on a quarter-on-quarter comparison in the country. TeliaSonera had a total of 839,000 digital TV subscribers across all regions, including its cable TV operations in Denmark.

### AMINO ACQUIRES TILGIN'S IPTV BUSINESS

Set-top box supplier Amino Technologies has acquired Tilgi's IPTV business, paying 30 million Swedish Kronor (US$ 3.6 million) for the Swedish vendor's loss-making IPTV set-top box business, which has sold and delivered 500,000 units to date. Tilgin has between 10 and 15 customers, mostly in Europe, with very little overlap between the two firms' customer bases.

## SPAIN

### REGULATOR SUSPENDS TELEFONICA'S TRIPLE-PLAY

The Spanish Telecommunications Market Commission (CMT) has temporarily suspended Telefónica from providing commercial services, including IPTV and Internet access, over its new fibre-to-the-home (FTTH) network, following a complaint lodged by Orange España. Orange España claims that Telefónica has not finalised wholesale access terms for the network infrastructure, and the CMT determined that services may only be launched on the new network once it is satisfied that agreements with alternative providers have been reached for access to the network. Telefónica recently launched trials on the network in Madrid and Barcelona to test Internet access at 30 Mbps, as part of a triple-play offer that includes its IPTV service Imagenio. Telefónica is thought to have planned to reach more than 1,000 FTTH clients by the end of 2009.

### TELEFONICA LAUNCHES IMAGENIO HD

Telefónica has launched a new high-definition service for its IPTV service Imagenio, available to those IPTV subscribers which are connected to its new fibre-to-the-home (FTTH) network. All subscribers which have signed for a Trío Futura 10 or 30 Mbps connection are receiving an HD-capable set-top box, and the new Imagenio HD service currently offers the channel AXN in high-definition. Telefónica reportedly plans to gradu-


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ally increase the number of HD channels available, starting with addition of Canal+ in the near future.

SWITZERLAND

### SWISSCOM BLUEWIN TV ADDS HD VOD TITLES

Swisscom's Bluewin TV is offering 130 feature films, concerts and documentaries in high-definition on-demand with Dolby Digital 5.1 sound, with prices starting at CHF 2.50 (US$ 2) each. Viewers will initially be able to choose from over 70 feature films, over 40 concert recordings and around 30 documentaries. A "large number" of dubbed films will also be made available in their original language with Dolby Digital 2.0. Bluewin TV had 95,000 paying customers at the end of September, up from 80,000 at the end of the second quarter of 2008 and 52,000 in September 2007.

TURKEY

### SEACHANGE AND ARGELA TO BRING IPTV TO TURK TELEKOM

IPTV and VOD software, systems and services provider SeaChange International has partnered with Turkey-based telecom solutions provider Argela to provide IPTV solutions for Turk Telekom, for which SeaChange is also providing systems integration and professional services. SeaChange and Argela's combined product offering will enable telecom operators to offer telephony, messaging, Internet access, mobility services, VOD and personal video recording services that integrate seamlessly with their service delivery platforms (SDP). The companies are partnered to bring these services to the rapidly growing market for IPTV.

### AIRTIES SELECTS OPERA FOR NEW IPTV STB

AirTies has selected Opera 9.5 for devices from Opera Software to serve as the presentation engine for its new high-definition 'Air 7120' IPTV set-top box. The selection of Opera 9.5 for devices is intended to lend web browsing capabilities to the Air 7120, , as well as allow developers to quickly and easily create user interfaces and other applications using Web technology such as HTML and CSS. The company adds that using widgets, users of the Air 7120 can additionally access Internet content in the form of small applications directly from the set-top box's home screen.

UNITED KINGDOM

### BROADCASTERS TO LAUNCH HD ON DTT

Channel 4, the BBC and ITV are to be given free high-definition spectrum on the Freeview digital terrestrial platform, according to media regulator Ofcom. It plans to auction an additional HD channel to commercial players by the end of 2010. The new channels will roll out on a regional basis starting next fall with nationwide coverage expected by the end of 2012. ITV will broadcast its peak time schedule on the new service plus football and drama, Channel 4 intends to feature a mixed genre service including more than 150 hours of movies in the first year on air, while the BBC is yet to reveal its plans for its HD channel.

### BBC PLANS OPEN IPTV PLATFORM

The BBC is in preparations to create an open industry standard Internet TV platform codenamed 'Canvas', intended to enable content providers to easily launch Web TV services, according to Erik Huggers, the corporation's Director of Future Media & Technology, speaking at industry event Mipcom. He stated that the service would potentially be available via a set-top box and enable "any service to build applications onto the platform". Huggers estimates that, if approved, Canvas is at least 12 to 18 months away.

### BT VISION LAUNCHES CATCH-UP IPTV PLATFORM

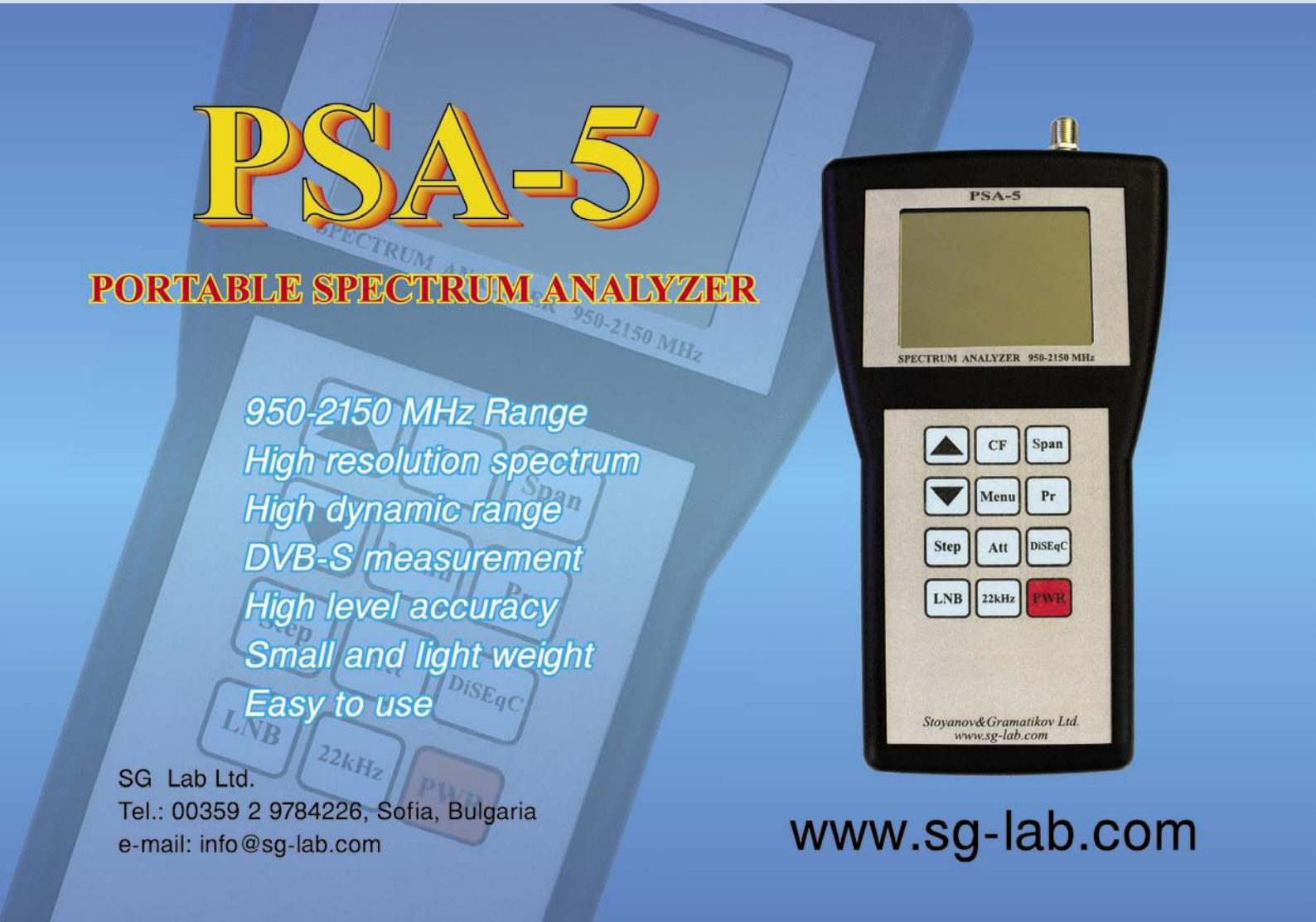
BT has become the first company to offer catch-up television from all the UK's terrestrial networks, after linking up with ITV to make the broadcaster's programming available via digital TV service BT Vision. The deal, which sees ITV syndicating its content in a closed VOD platform for the first time, provides full catch-up for eight days through BT Vision's TV Replay service. The move also gives viewers access to archive programming from terrestrial channel ITV1 and digital channels ITV2, ITV3 and ITV4.

### SKY LAUNCHES ONLINE TV SERVICE

BSkyB has launched its standalone online pay-TV service Sky Player TV, providing access to some Sky channels without the need to subscribe to its satellite-based service. The service offers internet users a choice of three packages with prices ranging from £15 (US$ 22) to £34 a month. The Entertainment Pack costs £15 per month and includes the Disney Channel, British Eurosport, National Geographic Channel, Sky News, Sky Sports News, MTV One, Nickelodeon and Nick Jr.

### FOX SIGNS VOD/IPTV DEAL WITH BT VISION

20th Century Fox has signed a deal with BT Vision giving the IPTV operation rights to a



range of new and classic Fox films. Some of the titles included in the pact are “Shine a Light,” “The Happening” and “Dr. Seuss’ Horton Hears a Who.” Library titles include “Alien Resurrection,” “The Beach,” “Die Hard” and “I, Robot.” The deal enables BT Vision subscribers to rent the shows on a PPV basis and follows on from a similar one inked with Disney-ABC.

### BBC INTRODUCES LIVE STREAMS ON IPTV PLAYER

The BBC’s free broadband Internet TV (IPTV) service, iPlayer, has introduced live streams from its BBC One and BBC Two TV channels. BBC Three, BBC Four, CBBC, CBeebies and BBC News are already being broadcast in this way. The move means that popular shows, such as EastEnders, Heroes and Never Mind The Buzzcocks, are available online to license fee payers.

## NORTH AMERICA

### ARIANESPACE TO LAUNCH VIASAT-1

Arianespace and ViaSat have signed the launch Service & Solutions contract for the ViaSat-1 satellite. The high-capacity Ka-band spot beam satellite is scheduled for launch by an Ariane 5 during the first half of 2011 from the Guiana Space Center, Europe’s Spaceport in Kourou, French Guiana. ViaSat-1 will be dedicated to providing broadband internet media services to consumers and businesses over North America. With a capacity estimated at 100 Gbps and built by Space Systems/Loral, ViaSat-1 is expected to be (at launch) the highest capacity satellite in the world.

#### CANADA

### ZENIT ROCKET TO LAUNCH TELSTAR SATELLITE

The Zenit-3SLB carrier rocket is scheduled to lift off from the Baikonur Cosmodrome space center at the end of December to launch a U.S. Telstar satellite. The satellite, built by Space Systems/Loral for Telesat Canada’s Loral Skynet telecom subsidiary, will provide services from 39 high-power Ku-band transponders spread across four different geographic beams in each of North and Central America, Europe, Africa and the maritime Atlantic Ocean region from its orbital slot at 15° West.

### TELESAT TO MANAGE TWO NEW SATELLITES

Telesat has won a job to manage the in-orbit operations for two satellites that will soon be launched into U.S. and Canadian orbital slots. Virginia-based Mobile Satellite Ventures (MSV) and its Canadian joint venture partner have chosen Telesat to operate their MSV-1 and MSV-2 next-generation satellites, which are respectively scheduled to be launched into the U.S. orbit in 2009 and into the Canadian orbital slot in 2010. MSV, which also has operations in Ottawa, said the two satellites will be two of the world’s most powerful commercial satellites, enabling wireless coverage for conventional handsets and devices throughout the United States and Canada. Under the agreement, Telesat will conduct in-orbit operations of the two satellites from its Satellite Operations Centre in Ottawa and its backup facility in Mount Jackson, Virginia.

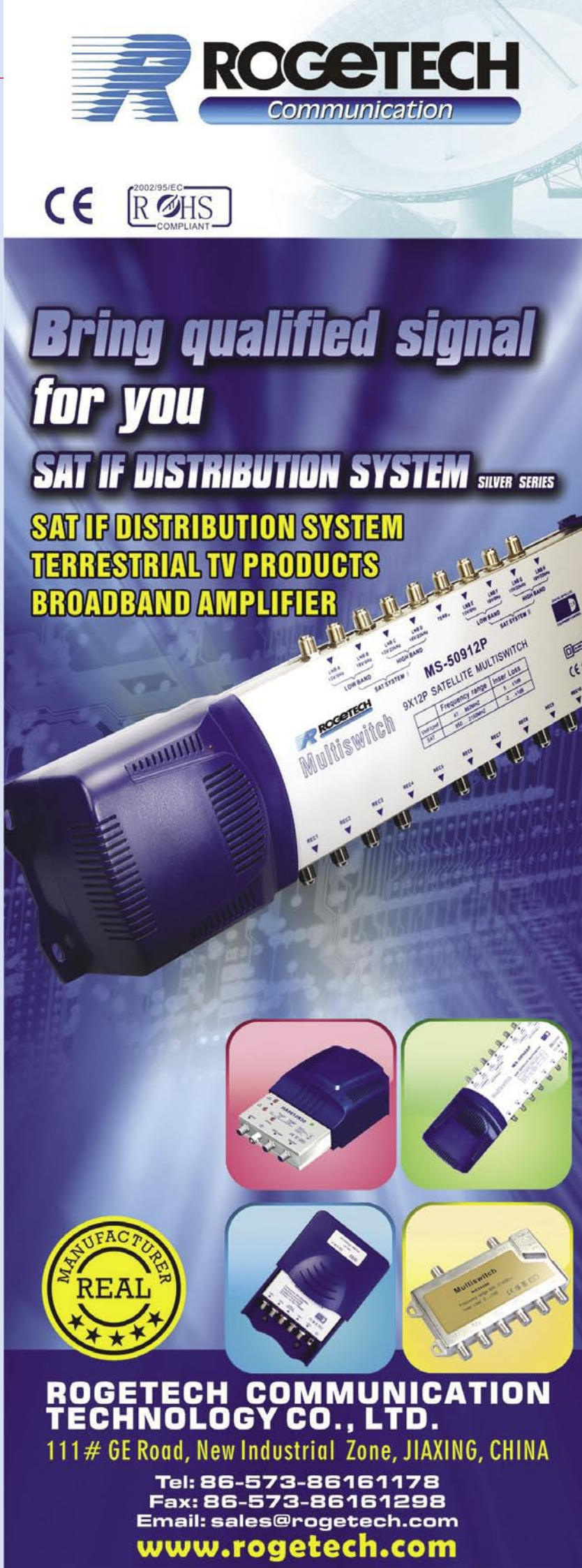
### INTRACOM DELIVERS IPTV SOLUTION TO WIGHTMAN TELECOM

Greece-based Intracom Telecom, a part of Sitronics, has delivered its fs|cdn MPEG-4 IPTV solution to Canada-based Wightman Telecom, through its subsidiary, Conklin-Intracom, based in the US. Wightman Telecom has selected the fs|cdn MPEG-4 IPTV delivery solution to serve communities in the counties of Bruce, Grey, Huron, Wellington and Perth of Ontario. Wightman Telecom has started deploying these services to customers that are reached with their new fiber to the home initiative, as well as those served through existing copper infrastructure via xDSL.

#### UNITED STATES

### ENTONE SELECTED BY ITC FOR IPTV DEPLOYMENT

Entone’s Hydra IP video gateway has been chosen by Interstate Telecommunications Cooperative, Inc. (ITC) for their IPTV rollout. ITC provides local telephone, digital television and broadband services to subscribers in South Dakota and Minnesota. ITC now offers a triple play service bundle of voice, video, and data using Entone’s Hydra IP video gateway, part of Entone’s Connected Home Solution that eliminates the need for multiple set-top boxes or new home wiring to deliver IPTV services. Using patent-pending technology, Hydra can deliver multiple video streams over a single DSL or Ethernet connection using existing in-home coax cabling.

### AT&T TO SELL IPTV SERVICE AT RETAIL SERVICE

AT&T has signed agreements with Wal-Mart and Circuit City to sell its 'U-verse TV' IPTV service and 'U-verse High Speed Internet' broadband service in over 600 retail locations across the US from this month. The agreements are the first national retail deals for AT&T U-verse, which will initially be offered at Circuit City and Wal-Mart stores located near neighbourhoods where U-verse services are available. AT&T already sells its IPTV and Internet services direct to the consumer across the US and reached 549,000 subscribes to U-verse TV at the end of the first half of this year, with the aim of passing 1mn by the end of this year.

### KIT DIGITAL TO DELIVER IPTV STB

IPTV technology and solutions provider KIT digital has been selected by TV2Moro, a new firm backed by several ethnic television aggregators and producers, to deploy a new IPTV set-top box (STB) service to deliver programming to ethnic consumers in North America. The TV2Moro/KIT digital partnership has a minimum term of 48 months, and involves platform development fees, ongoing platform licensing fees, and a revenue share model based on the number of subscribers adopting the service. TV2Moro's initial commercial roll-out will include a top-tier bouquet of Arabic language channels, and is scheduled for the beginning of 2009, with a test phase taking place now.

### RURAL IPTV CARRIERS GET HBO, CINEMAX RIGHTS

The National Rural Telecommunications Cooperative (NRTC) has forged a long-awaited agreement with Home Box Office (HBO) that will allow rural IPTV carriers to offer a range of HBO and Cinemax standard-definition and high-definition programming. The video distribution agreement grants NRTC members rights to 26 HBO and Cinemax MPEG-2 SD offerings and 26 MPEG-4 HD feeds, as well as subscription video-on-demand rights.

### SES AMERICOM FILLS UP CAPACITY ON AMC-21 SATELLITE

Within the first month of AMC-21 becoming commercially available, a total of 16 transponders are under contract and utilizing the new Ku-band capacity at 125 degrees West. AMC-21's high powered 50-U.S. state, Mexico, Southern Canada and Caribbean coverage is proving to be in great demand across multiple segments: media, enterprise and government. It is currently providing service to customers such as PBS, U.S. Army, U.S. Marine Corps (through Arrowhead), U.S. Northern Command (through ARTEL) and maritime broadband users.

### WORLDSPACE FILES FOR BANKRUPTCY

Satellite operator WorldSpace has filed for Chapter 11 bankruptcy protection after repeated failures to meet debt obligations and to pay its employees. The company, which broadcasts its satellite radio services to more than 170,000 paid subscribers in 10 countries throughout Europe, Africa and Asia, sought Chapter 11 protection in the U.S Bankruptcy Court in Wilmington. It listed assets of US$ 307.4 million and liabilities of US$ 2.12 billion.

### VERIZON DELIVERS 1,000 HD VOD OFFERINGS

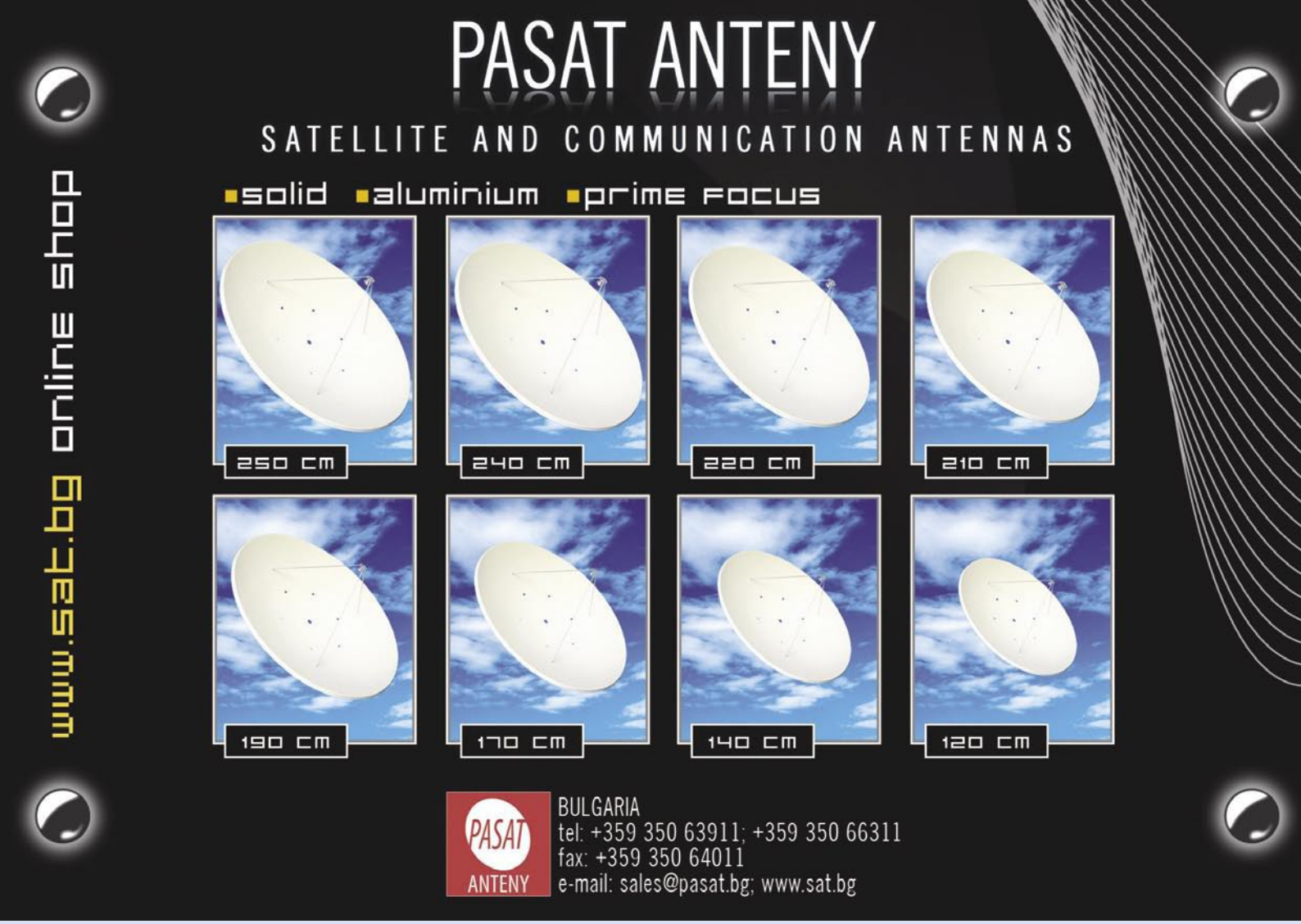
Verizon's FiOS TV customers can now enjoy more than 1,000 HD video-on-demand (VOD) titles per month, including HD content from several movie channels: Starz, Showtime and Sundance Channel. Verizon's FiOS TV VOD library offers titles that encompass a broad range of interests, including kids, music, pop culture, Spanish language, and home and leisure. The library offers more than 11,000 titles per month - 8,500 are free of charge.

### ION TV SUITE TO LAUNCH IN HD DURING 2009

ION Media Networks has plans to launch its suite of networks - ION Television, qubo, and ION Life -- in high definition (HD) in 2009. ION Television, the Company's flagship general entertainment network, will be available as ION Television HD beginning the first quarter. The ION Television network features hit programs from CBS Television, NBC Universal, RHI Entertainment, Sony Pictures Television, Twentieth Television and Warner Bros., among others. ION Media Networks' digital TV brands, qubo, a multilingual kids network that champions literacy and positive values, and ION Life, a digital network dedicated to active lifestyles and personal growth, will also be upgraded to high definition later in 2009.

### TV-DESI LAUNCHES NEW IPTV SERVICE FOR ASIANS

TV-Desi, a subsidiary of NeuLion and JumpTV, has launched a new IPTV service with a selection of live South Asian TV content to the Indian, Pakistani and Bangladeshi communities in North America. TV-Desi features a line-up of over 40 popular channels including: Sony Entertainment Television Asia, Indus TV, Aaj, NDTV, ATN, Ekushey, Diganta, RTV, Hum TV, Amrita TV, IBN-Lokmat, TV9 News as well as North American Desi channels ITV, ASC and many others. The live TV package




starts at USD 29.99 per month, while a la carte channels are offered starting from USD 3.99.

### TWIN LAKES TELEPHONE COOPERATIVE LAUNCHES IPTV TRIALS

Twin Lakes Telephone Cooperative Corporation (Twin Lakes), based in the state of Tennessee, has installed and successfully tested its new IPTV services, based on a platform supplied by Infinite Video, a subsidiary of Canadian firm Event Technologies. With board approval, Twin Lakes will contract to deploy the system to offer 11 broadcast channels over its existing DSL network, including local television programming.

## LATIN AMERICA

### COLOMBIA

### EMCALI AIMS FOR 13,000 IPTV CLIENTS

Colombian multi-utility Emcali expects to reach approximately 13,000 IPTV subscribers once the company launches the service. The company, which serves the city of Cali, currently has 70,000 clients in the broadband segment. National TV services regulator CNTV will soon open a bidding process for five licenses for pay-TV services, with Emcali expected to bid for one. ZTE has been selected as the technological partner.

### VENEZUELA

### VENESAT-1 LAUNCHED INTO ORBIT

The country's first satellite Simon Bolivar or Venesat-1 was successfully launched on October 29 as part of a joint project with China that started three years ago. The whole project is to cost USD 406 million and the Venesat-1, with a designed life of 15 years, will be used in broadcasting, distance learning, medical services, among others. The satellite became operational on December 20. Venezuela intends to launch its second satellite, for its own use, in 2013.

## ASIA

### GOLDSTONE TO LAUNCH IPTV SERVICES IN MALAYSIA, THAILAND

Software technology and services company Goldstone Technologies will launch IPTV services in two South-East Asian countries—Malaysia and Thailand. Goldstone has tied-up with MOL AccessPortal Berhad (MOL) of Malaysia to launch the IPTV service in Malaysia.

### ORBITAL COMPLETES WORK ON NSS-9 SATELLITE

Orbital Sciences Corporation (ORB) has completed final testing on the SES New Skies NSS-9 commercial communications satellite. The NSS-9 will now be stored at the company's Dulles (Virginia) facilities until the company is notified of the launch date. Orbital stated that the spacecraft was designed, manufactured and tested in approximately 22 months from the start of the contract to the completion of the pre-shipment review. NSS-9 carries 28 active C-band transponders and features three beams that can be interconnected on a transponder-by-transponder basis: a global beam providing coverage of the entire earth visible from its 183 degrees East orbit slot, another beam covering Australia, Indonesia, the Philippines, Japan, China, Korea and the Pacific Islands, and a third beam providing coverage and connectivity to the U.S., Hawaii and Polynesia.

### IPTV TO REACH 22.4 MILLION SUBSCRIBERS BY 2013

Market research firm Frost & Sullivan has estimated that the number of IPTV subscribers across 13 countries in the Asia-Pacific region may grow to 22.4 million by 2013. The latest research titled "IPTV Business Case" predicts that IPTV subscription will grow by an amazing 32.7 per cent over the next four years. Of the 13 countries, the researcher says, eight had commercial IPTV services in 2007, while the rest are conducting trials for deployments over the coming months. Asia-Pacific accounted for about a third of the global IPTV subscriber base last year. While Hong Kong is leading the group with 1.02 million subscribers, Mainland China is running close behind with 0.93 million customers, a figure that makes up 22.7 percent of the region's market.

### CHINA

### CHINA TELECOM TOPS 1.5 MILLION IPTV SUBSCRIBERS

China Telecom passed 1.51 million IPTV subscribers by the end of the third quarter of this year, according to Interfax China, compared to 940,000 subscribers reported in May of this year. The service is provided in cooperation with Shanghai Media Group (SMG) and has been available in major cities such as Shanghai, Jiangxu, Guangdong, Zhejiang and Shaanxi since 2005, offering broadcast and on-demand content, including high-definition, as well as information services.

### JIANGSU PROVINCE IPTV SUBSCRIBERS UP 471 PERCENT

The number of IPTV subscribers in China's Jiangsu Province, located on the east coast of the country, rose by 471% in the first nine months of this year, according to Interfax China, making this the biggest

rise in IPTV adoption in the country during the period. Jiangsu Province had an IPTV subscriber base of over 200,000 by the end of September 2008, compared to 35,000 at the end of 2007. The province's growth rate has even exceeded Shanghai, which witnessed a growth of around 150% during the first nine months of this year to reach over 600,000 IPTV subscribers at the end of September.

### SMC TO LAUNCH IPTV IN GUANDONG PROVINCE

Southern Media Corp. (SMC) plans to launch a new interactive TV and IPTV platform in the Guangdong Province in 2009, according to Interfax China. The platform is expected to be put into operation at the beginning of 2009, covering 50,000 trial users, and at full capacity is expected to be able to support 700,000 users simultaneously. The platform will reportedly be connected to the local hybrid fibre-coaxial (HFC) network in Guangdong Province and China Telecom's IPTV network, with the IPTV content to be carried on China Telecom's IPTV network.

### HUAXIA NETWORK RECEIVES IPTV LICENSE

China's State Administration of Radio, Film and Television (SARFT) has issued a new IPTV licence to Beijing firm Huaxia Network. The SARFT has previously awarded licences to operators including China Central Television (CCTV), Shanghai Media Group (SMG), Southern Media Corporation (SMC), China Radio International (CRI) and Hangzhou-based Wasu. The IPTV licence covers the delivery of broadcast programming to televisions, while video-sharing websites currently have permits for audio-visual programming to be received by computers.

### UTSTARCOM GETS IPTV ORDER FROM HUNAN PROVINCE

UTStarcom has signed an agreement with Best Tone Information Service Corporation to deploy a video information distribution network in Hunan province of China. The network would provide a fresh revenue source for UTStarcom through video advertisement in the province. As much as 3,500 iPAD1000 terminals are scheduled to go live in office buildings, government facilities, supermarkets, hotels, hospitals and schools in Hunan Province this year. The iPAD1000 technology could integrate UTStarcom's RollingStream IPTV set-top boxes, ADSL modem, Wi-Fi adapter, IPTV network connection and video monitor into a single terminal station.

## INDIA

### AKSH TARGETS 40,000 IPTV SUBSCRIBERS

Aksh Optifibre intends to increase its IPTV subscriber base to 40,000 by 2008-end. The company, trying to diversify into services by launching its IPTV services in 22 cities, currently has around 8,000 subscribers in Delhi and 2,000 in Mumbai. It is in the process of raising funds to part fund its ambitious expansion across north India. It rolls out its TV services over the copper-line infrastructure of public sector telecom operators such as MTNL and BSNL.

### BHARTI AIRTEL TO LAUNCH IPTV IN SIX CITIES

After launching a DTH service, Bharti Airtel have started a trial run of their proposed IPTV service in New Delhi and are now planning to launch its commercial services in six cities (Delhi, Mumbai, Kolkata, Chennai, Bangalore and Hyderabad) soon. According to the president of telecom services, Atul Bindal, currently 1,000 households in New Delhi are covered on a pilot basis. Airtel currently has 2.5 million customers for both landline and broadband, whom it plans to target with IPTV services.

### BNSL TO LAUNCH IPTV SERVICE IN PUNJAB

Ludhiana will soon become the first city in Punjab to receive the IPTV service, which will be launched in January 2009 by BNSL. The ISP is targeting a cable TV subscriber base of about 82 million users by counting on their 30 million landline subscribers across the country. After launching IPTV services in Jaipur and Jodhpur in Rajasthan in September, the company is planning to bring IPTV to more than 100 cities. BSNL will provide 120 TV channels to its broadband subscribers at a monthly rental of Rs 150, apart from a security deposit of Rs. 999 for a set-top box.

### DTH OPERATORS TO OFFER HD CONTENT

DTH operators such as Dish TV and Sun Direct are planning to add HD content as a separate bouquet in the next few months. Currently, the popular DTH bouquets (80-120 channels) are available at Rs 150-300 a month across most DTH platforms. The HD bouquet of 10-15 channels may cost 20-30 per cent more than the regular bouquet, sources said. Dish TV will add the HD content once it gets additional transponder space on Protostar satellite, Sun Direct is launching its own HD channels on the existing transponder bandwidth, while others like Tata Sky, Big TV and Airtel's Digital TV are also expected to follow suit.

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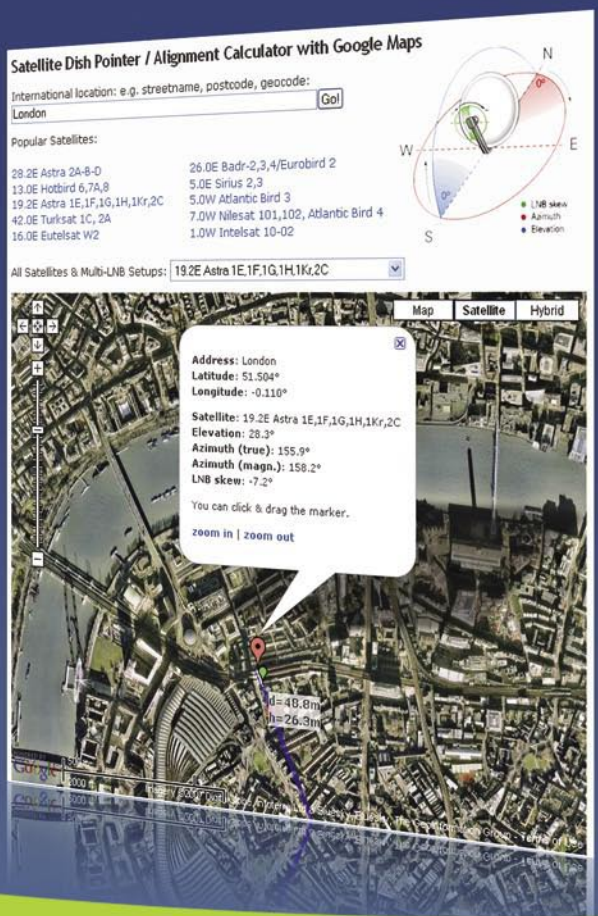


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## JAPAN

### NHK LAUNCHES ON DEMAND INTERNET PAY-TV

Japan Broadcasting Corp (NHK) has started an on-demand distribution of TV programmes for a fee over the internet. The service comprises two types of programme - recently missed programmes that are available for about one week after their initial airing including popular daily short dramas, and those in NHK's "library" comprising around 1,200 archived programmes including those that drew strong viewer interest in the past. The programmes are offered at 105-315 yen each. A monthly package plan is also available for missed programmes.

### JAPAN WITH OVER 3 MILLION IPTV SUBSCRIBERS BY 2012

Japan is expected to top 3 million IPTV subscribers by 2012, according to new figures from research firm ROA Group, with approximately 10% of the predicted total to be accounted for by fibre-to-the-home (FTTH) subscribers, while IPTV's penetration will reach 6% by 2012. The average growth rate of IPTV subscribers in the country between 2006 and 2012 is expected to reach 65%, with Japan expected to close 2008 with an estimated 400,000 subscribers. Three companies are currently providing IPTV services in Japan, according to the research firm - NTT Plara with its offering 'Hikari TV', KDDI with its service 'Hikari One TV', and BB Cable Corporation with its offering 'BBTV'.

### MITSUBISHI ELECTRIC GETS ORDER FOR ST-2 SATELLITE

Mitsubishi Electric has received an order to build the ST-2 communications satellite for a joint venture between Singapore's SingTel and Taiwan's Chunghwa. Currently, SingTel and Chunghwa jointly own the ST-1 and use this satellite in their various communications businesses. The ST-2 will succeed the ST-1 as their next communications satellite. For the production of the ST-2, Mitsubishi Electric has proposed to use its original DS2000 satellite bus platform, which was developed based on the Engineering Test Satellite-8 (ETS-8) made for NASDA.

## KAZAKHSTAN

### KAZAKH SATELLITE BROUGHT BACK INTO ORBIT

Experts have managed to bring a malfunctioning Kazakh satellite, KazSat-1, back into geostationary orbit. The US$ 65 million satellite stopped broadcasting on June 8. The Khrunichev space research and production centre said it had fixed the problem together with Kazakh specialists earlier in October, and the satellite would resume its regular operation once all of its systems had been tested. Khrunichev is currently building a second satellite for Kazakhstan, KazSat-2, in cooperation with Russian and foreign companies, including the Russian Institute of Space Engineering and European company Alcatel Alenia Space. KazSat-2 is to be launched in 2009.

## LEBANON

### ORANGE AND SOLIDERE LAUNCH FIRST IPTV SERVICE

Orange Business Services and Solidere have launched Lebanon's first IPTV service with 120 on-demand TV channels in central Beirut with a range of movies, sports and TV programs streamed directly to their TVs over a state-of-the-art Metro Ethernet network. It is believed to be one of the first commercially available IPTV services in the Middle East, and the first to support broadcast and on-demand HDTV. The service has been delivered, installed, supported and integrated into the existing Solidere-operated private broadband network that was designed and deployed by Orange in 2006.

## PAKISTAN

### PTCL REPORTS OVER 1,000 IPTV SUBSCRIBERS

Pakistan Telecommunication Company (PTCL) has reported that its new IPTV service now has 1,070 customers, following its launch in four major cities in the country. Launched last August, the service has subsequently been introduced in five major cities in Azad Jammu and Kashmir, and will be expanded to 144 other cities shortly. Initially, 100 TV channels are available and the IPTV service is free of charge until February 2009.

## SINGAPORE

### VOOM TEAMS UP WITH IFW FOR 2009 LAUNCH

Voom HD Holdings has signed a co-production and distribution deal with Singapore's Infinite Frameworks (IFW), in a bid to ramp up high-definition programming over the next five years. The deal sees each partner investing US$ 10 million in production and post-production, in collaboration with productions worldwide, to develop an HD slate across sports, art, lifestyle, fashion and music. All post-production will be handled at IFW's Singapore facilities, and the company also receives support from the Media Development Authority of Singapore (MDA).

### STARHUB LAUNCHES NEW HD DVR

Pay-TV operator Starhub has launched a new HD DVR – HubStation HD – which enables customers to watch and record both SD and HD programmes. The HubStation HD also provides access to free broadband Internet service and StarHub's Digital Voice service. Starhub launched the first com-

mercial HD service in Southeast Asia in January 2007. Since then, the number of HD channels offered by StarHub TV has grown to five - HD5, NGC HD, Discovery HD, The History Channel HD and Sports HD. HD5 is offered to all StarHub TV customers at no extra cost while Sports HD is made available free to Sports Group customers. The other three channels are packaged together under the Education HD group.

### SOUTH KOREA

#### KT TO OFFER NATIONAL TV CHANNELS ON IPTV

KT has reached agreements with KBS and SBS over the retransmission of their content for Web-based television. The company said it was also close to reaching an agreement with MBC, meaning that the programs of all three terrestrial broadcasters will be available on Mega TV, the company's IPTV brand. Other IPTV operators, SK Broadband and LG Dacom, are also in talks with the television networks for similar arrangements.

#### SK BROADBAND SELECTS TANDBERG FOR IPTV

SK Broadband is deploying a Tandberg Television IPTV head end, which includes HD and SD MPEG-4 AVC encoding. This solution will enable SK Broadband to launch linear broadcast television services in 2009, following the recent granting of regulatory approval for Korean IPTV providers to introduce broadcast services to complement existing VOD content. SK Broadband intends to introduce 30 SD and 10 HD channels initially.

### TAIWAN

#### CHUNGWA TELECOM ENDS Q3 WITH 591,000 SUBSCRIBERS

Chunghwa Telecom reached 591,000 subscribers for its 'Multimedia On Demand' (MOD) IPTV service at the end of the third quarter of this year, of which 82,000 were new subscriptions added during the period, representing a 65.2% increase year-on-year. The operator had a total of 4.32 million broadband subscribers as of the end of last September, including ADSL and fibre-to-the-building (FTB) subscribers, an increase of 2.4% from the same time last year.

### UNITED ARAB EMIRATES

#### AL ROSTAMANI PARTNERS WITH NAGRAVISION ON IPTV PLATFORM

Al Rostamani Communications has partnered with Nagravision to offer telecoms operators in the Middle East a complete end-to-end IPTV/Video on Demand platform. The Nagravision platform provides access control, rights management, EPG and content protection, while Al Rostamani Communications will provide the system integration services to assist telecoms operators to deliver their digital TV services, including HD content and on-demand programming, to any of the three screens of TV, PC and mobile device.

#### DU SURPASSES 50,000 IPTV SUBSCRIBER MARK

du has passed 50,000 subscribers for its IPTV service, a multilingual offering offering both local and international channels, secured by content protection technology from UK firm Latens. du selected Latens IPCAS, a software-based CAS for IPTV, replacing traditional smart cards with Secure Software Modules and removing the cost of additional hardware while decreasing time to launch.

## AUSTRALIA & PACIFIC

### NEW ZEALAND

#### FREEVIEW LAUNCHES HD BOX

The free-to-air equivalent of Sky's Television's MySky HDi set-top box has gone on sale in New Zealand, allowing Freeview viewers record simultaneous programmes and pause and rewind "live" television at the touch of a button. The boxes are selling for around $1000, but prices are likely to fall relatively quickly. The box can store 80 hours of high definition TV programmes or 240 hours of SD programmes, and double as a digital receiver. Sky TV announced in November that 31,000 of its subscribers were renting its MySky HDi personal video recorders.

## AFRICA

#### ARIANESPACE TO LAUNCH RASCOM SATELLITE IN 2010

Arianespace and Thales Alenia Space have signed a launch service and solutions contract for the pan-African communications satellite, Rascom-QAF 1R which is scheduled for launch into geostationary transfer orbit in 2010. It will be launched by an Ariane 5 or Soyuz rocket from Europe's Spaceport in French Guiana. Rascom-QAF 1R will provide telecommunication services in rural areas of Africa over a period of 15 years, along with domestic and international connections, direct TV broadcast services and internet access. It will be equipped with 12 Ku-band transponders and eight C-band transponders. Replacing Rascom-QAF 1, it will be positioned at 2.85 degrees east.

### NIGERIA

#### TECHNICAL PROBLEMS SHUT DOWN NIGERIAN SATELLITE

A Nigerian satellite - which was launched to provide phone, broadband Internet and broadcasting services to rural Africa - was switched off in December due to technical problems. The US$ 257 million Chinese-built satellite was launched into space from China in May 2007. It was expected to boost Nigeria's communications revolution and further the drive to make Internet technology accessible to the remote rural villages of the continent.

### SOUTH AFRICA

#### SECUREMEDIA SELECTED FOR IPTV CONTENT PROTECTION

Goal Technology Solutions, based in Johannesburg, is to launch a triple-play service including IPTV across its GoalNet Network, secured by SecureMedia's Encryptonite ONE CA/DRM system. Goal Technology Solutions operates a fibre-to-the-kiosk (FTTK) and Powerline Communication access network for the delivery of its triple-play service, which it is reportedly planning on expanding to other major population centres in South Africa and neighbouring territories.

## WORLD

#### ATIS RELEASES NEW IPTV STANDARD

The Alliance for Telecommunications Industry Solutions (ATIS) has released a new standard created by the ATIS IPTV Interoperability Forum (IIF) specifying the initial set of activities that prepare devices in the consumer domain to receive and consume IPTV services. The new Network Attachment and Initialization of Devices and Client Discovery of IPTV Services (AIS-0800017) standard is described by ATIS as a foundation specification addressing fundamentals such as the initialisation and attachment phases for the Delivery (home) Network Gateway (DNG) and the IPTV Terminal Function (ITF), which includes the set-top box. Specifically, the new release covers network attachment, service provider discovery, service provider attachment and services discovery procedures.

#### INTELSAT RETIRES MARISAT-F2 SATELLITE

After 32 years of serving ships at sea and scientists at the South Pole, an aging communications satellite owned by Intelsat has been retired. The Marisat-F2 satellite, manufactured by Hughes Aircraft and launched in 1976, had only a five-year design life, yet until the end, the communications payload continued operating within its original specifications, Intelsat engineers said. Once dubbed "The Little Satellite That Could," Marisat-F2 is believed to have been the oldest commercial communications satellite still actively operating in space. The final assignment of Marisat-F2 had been to provide Internet service to research scientists stationed at the Amundsen-Scott South Pole Station.

#### MTVNHD SET FOR GLOBAL ROLL OUT

MTV Networks (MTVN) is set to roll out its high-definition channel MTVNHD on the UK's Sky platform and Israel's Hot, and across Latin America. MTVNHD will be available in the UK, Israel, Argentina, Chile, Colombia, Venezuela, Peru, Ecuador, the Caribbean Islands and Uruguay by the end of 2008.

#### GLOBAL IPTV SUBSCRIBERS TO REACH 89.6 MILLION IN 2012

The number of global IPTV subscribers will hit 89.6 million in 2012, up from 20.4 million this year, according to Multimedia Research Group's latest IPTV Global Forecast. By region, Europe is expected to be ahead of Asia in 2012, with a 41.5 per cent share of the global IPTV market, followed by Asia with 35.8 per cent. North America will have just a 17 per cent share of total worldwide subscribers. It will, however, lead the market in terms of gross service revenues, raking in about US$ 13 billion, thanks to a higher ARPU.

#### MORE THAN 1500 NEW TRANSPONDER LEASES IN NEXT TEN YEARS

NSR's latest multi-client market research report, the "Global Assessment of Satellite Demand, 5th Edition," projects that the commercial satellite transponder leasing market should emerge relatively unscathed from the current global economic crisis. Between 2007 and 2017, NSR forecasts that global demand for commercial C- and Ku-band transponders will increase by more than 1,500 36 MHz transponder equivalents, and revenues will grow at the average annual rate of 4.5%. NSR anticipates that the majority of transponder demand growth in the coming ten years will be generated by various video services. In fact, 83% of the newly leased transponders will be for video distribution, DTH and video contribution & occasional use television services. On the revenues side of the picture, NSR estimated that the industry generated US$ 8.33 billion in 2007 from commercial C- and Ku-band capacity leasing, and this should grow to US$ 12.90 billion in 2017.

#### BNS LAUNCHES HD VOD VIA IPTV

BNS has launched an advanced in-room entertainment, room control and A/V solution for hotels and multi dwelling unit (MDU) developers looking to meet their customers' expectations for HD content delivered to their room. Part of the offering includes state-of-the-art room automation and A/V facility design and installation that are based on IP delivery. Connected via an IP network, the system is centrally programmed and controlled via an easy to operate management software. It is easy to operate and integrates seamlessly with existing Property Management Systems (PMS).

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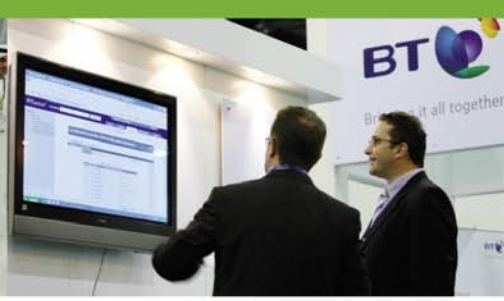


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# Exhibition Preview

- **3 - 5 March 2009: CABSAT 2009**
  Middle East's Electronic Media & Satellite Communications
  Dubai World Trade Center, UAE
  www.cabsat.com

- **18 - 20 March 2009: Convergence India 2009**
  17th International Exhibition & Conference
  Pragati Maidan, New Delhi, India
  www.convergenceindia.org

- **21 - 23 March: CCBN 2009**
  The 17th China Content Broadcasting Network Exhibition
  China International Exhibition Center, Beijing, China
  www.ccbn.tv

- **25 - 27 March 2009: Satellite 2009**
  Exhibition for Satellite Enabled Communication
  Walter E. Washington Convention Center, Washington, USA
  www.satellite2009.com

- **25 - 27 May 2009: MECOM 2009**
  Middle East Communications Exhibition, Forum, TV
  Abu Dhabi National Exhibition Centre, Abu Dhabi, UAE
  www.mecomexpo.com

- **26 - 28 May 2009: ANGACABLE 2009**
  Tradefair for Cable, Broadband and Satellite
  Koelnmesse, Cologne, Germany
  www.angacable.com

- **16 - 19 June 2009: CommunicAsia 2009**
  20th International Communications and Information Technology Exhibition & Conference
  Singapore Expo, 1 Expo Drive, Singapore 486150
  www.communicasia.com

- **26 - 28 August 2009: SET 2009**
  18th Broadcast & Cable International Fair
  Centro de Exposições, Rod. dos Imigrantes
  04329-900 São Paulo (SP), Brasil
  www.broadcastcable.com.br

- **6 - 11 October 2009: CeBIT Eurasia**
  ICT Trade Show
  Tüyap Fuar ve Kongre Merkezi
  E5 Karayolu, Gürpınar Kavşağı, 34522 Büyükçekmece
  İstanbul, Turkey

# TELE-satellite Deadlines

## Editorial Deadlines, Magazine Publishing Dates

| Number | Issue | Deadline | Hardcopies | Available Online |
|---|---|---|---|---|
| #210 | 04/2009 | 6 February 2009 | 13 March 2009 | 27 March 2009 |
| #211 | 06/2009 | 3 April 2009 | 15 May 2009 | 29 May 2009 |
| #212 | 08/2009 | 5 June 2009 | 17 July 2009 | 31 July 2009 |
| #213 | 12/2009 | 2 October 2009 | 13 November 2009 | 27 November 2009 |
| #214 | 02/2010 | 4 December 2009 | 15 January 2010 | 29 January 2010 |

# SatcoDX Global Satellite Chart

*Compiled by the Worldwide SatcoDX Monitoring Stations, exclusively for TELE-satellite Magazine*

New Channels Since Last Issue of TELE-satellite Magazine are marked with a ●

**EUROBIRD 4**
**4.0 East**
**EUB004WX**

| | | | |
|---|---|---|---|
| 11.160 | H | AFLENZ E-S | 27500 |
| 12.130 | V | DVBS2 | 27500 |
| 12.130 | V | Standard_TV | 27500 |

**Europe**
**SIRIUS 4**
**5.0 East**
**SIR004EU**

| | | | |
|---|---|---|---|
| 11.725 | H | EbS Europe By Satell | 27500 |
| 11.725 | H | EU Test | 27500 |
| ●11.766 | H | UT-1 | 27500 |
| 11.766 | H | KANAL UKRAINA | 27500 |
| 11.766 | H | TET | 27500 |
| 11.766 | H | Channel 5 (Ukraine) | 27500 |
| 11.766 | H | GLAS | 27500 |
| 11.766 | H | KRT | 27500 |
| 11.766 | H | NOVY CHANNEL | 27500 |
| 11.766 | H | RADA | 27500 |
| 11.766 | H | Star TV UKR | 27500 |
| 11.766 | H | Love Radio | 27500 |
| 11.766 | H | RADIO ERA | 27500 |
| 11.766 | H | Radio Test | 27500 |
| 11.766 | H | RUI | 27500 |
| 11.766 | H | UR1 | 27500 |
| 11.766 | H | UR2 | 27500 |
| 11.766 | H | UR3 | 27500 |
| 12.072 | H | OSK-Odessa | 27500 |
| 12.072 | H | ENTER | 27500 |
| 12.072 | H | ENTER-FILM | 27500 |
| 12.072 | H | INTER+ | 27500 |
| 12.072 | H | SCI | 27500 |
| 12.072 | H | UBC | 27500 |
| 12.072 | H | Univermag | 27500 |
| 12.072 | H | Emmanuel | 27500 |
| 12.149 | H | Antena 3 | 27500 |
| 12.149 | H | AXN | 27500 |
| 12.149 | H | AXN Crime | 27500 |
| 12.149 | H | AXN SciFi | 27500 |
| ●12.149 | H | Da Vinci Learning | 27500 |
| 12.149 | H | Euforia Lifestyle | 27500 |
| 12.149 | H | Eurosport | 27500 |
| 12.149 | H | Kanal D | 27500 |
| 12.149 | H | MTV | 27500 |
| 12.149 | H | OTV | 27500 |
| 12.149 | H | Prima TV | 27500 |
| 12.149 | H | Realitatea | 27500 |
| 12.149 | H | TV Sport | 27500 |
| 12.149 | H | TVR 1 | 27500 |
| 12.149 | H | TVR 2 | 27500 |
| 12.149 | H | TVRM | 27500 |
| ●12.149 | H | AKTA Info | 27500 |
| 12.149 | H | ProFM | 27500 |
| 12.149 | H | InfoPro | 27500 |
| 12.149 | H | Radio SON | 27500 |
| 12.149 | H | Romantic | 27500 |
| 12.265 | H | Boomerang | 27500 |
| 12.265 | H | Cartoon Network | 27500 |
| 12.265 | H | Eurosport 2 | 27500 |
| 12.265 | H | Hallmark | 27500 |
| 12.265 | H | Jetix | 27500 |
| 12.265 | H | Jetix Play | 27500 |
| 12.265 | H | Minimax | 27500 |
| 12.265 | H | Movies 24 | 27500 |
| 12.265 | H | Romantica | 27500 |
| 12.265 | H | TCM | 27500 |
| ●12.265 | H | Test | 27500 |
| 12.265 | H | TVR Cultural | 27500 |
| 12.265 | H | Canal Teleshop | 27500 |
| 12.265 | H | Etno | 27500 |
| 12.265 | H | Meteo | 27500 |
| 12.265 | H | Taraf | 27500 |
| 12.341 | H | Acasa Tv | 27500 |
| 12.341 | H | Animal Planet | 27500 |
| 12.341 | H | Antena 1 | 27500 |
| 12.341 | H | B1 | 27500 |
| 12.341 | H | Cinemax | 27500 |
| 12.341 | H | Discovery | 27500 |
| 12.341 | H | FreeXTV | 27500 |
| 12.341 | H | HBO | 27500 |
| 12.341 | H | HBO Comedy | 27500 |
| 12.341 | H | National Tv | 27500 |
| 12.341 | H | Pro Cinema | 27500 |
| 12.341 | H | Pro Tv | 27500 |
| 12.341 | H | Telesport | 27500 |
| 12.341 | H | X Dream TV | 27500 |
| 12.380 | H | ATG EU BSS | 27500 |
| 12.380 | H | Harness Racing | 27500 |
| 12.380 | H | NTV | 27500 |
| 12.380 | H | Thoroughbred Racing | 27500 |
| 12.380 | H | TVCI new | 27500 |
| 12.380 | H | Belsat TV | 27500 |
| 12.380 | H | LTV World | 27500 |
| 12.380 | H | Multimania | 27500 |
| 12.380 | H | European Radio for B | 27500 |
| 12.418 | H | Alphameric Games | 27500 |
| 12.418 | H | Alphameric Games plu | 27500 |
| 12.418 | H | Alphameric Studio | 27500 |
| 12.418 | H | Alphameric Studio pl | 27500 |
| 12.418 | H | ATRi - English | 27500 |
| 12.418 | H | ATRi - German | 27500 |
| 12.418 | H | Betfred | 27500 |
| 12.418 | H | BOYLES SPORTS | 27500 |
| 12.418 | H | BRAND TV DEMO | 27500 |
| 12.418 | H | BTC Alpha Irish Da | 27500 |
| 12.418 | H | BTC Alpha UK Data | 27500 |
| 12.418 | H | CCC TEST CHANNEL | 27500 |
| 12.418 | H | CORAL - SIRIUS | 27500 |
| 12.418 | H | CORAL WITH SIS DA | 27500 |
| 12.418 | H | EMP TEST CHANNEL | 27500 |
| 12.418 | H | EURO RACING - NO | 27500 |
| 12.418 | H | EURO RACING - SIR | 27500 |
| 12.418 | H | Intertrack-Data To | 27500 |
| 12.418 | H | iSIS Channel | 27500 |
| 12.418 | H | LADBROKES IP DATA | 27500 |
| 12.418 | H | LTEST | 27500 |
| 12.418 | H | LXTRA SILVER | 27500 |
| 12.418 | H | SIS BTC - Vision a | 27500 |
| 12.418 | H | SIS Racing - Data | 27500 |
| 12.418 | H | SIS Racing - Germ | 27500 |
| 12.418 | H | SIS Racing - Germ | 27500 |
| 12.418 | H | SIS Racing - INDE | 27500 |
| 12.418 | H | SIS UK BTC | 27500 |
| 12.418 | H | SIS+ | 27500 |
| 12.418 | H | SPECIAL LADBROKES | 27500 |
| 12.418 | H | SPECIAL WILLIAM H | 27500 |
| 12.418 | H | STAN JAMES | 27500 |
| 12.418 | H | TEMP LADBROKES EI | 27500 |
| 12.418 | H | TEST2 | 27500 |
| 12.418 | H | TOTE - SIRIUS | 27500 |
| 12.418 | H | TOTE SIS AUDIO AN | 27500 |
| 12.418 | H | VISION AUDIO AND | 27500 |
| 12.418 | H | WHO IP CLEAR | 27500 |
| 12.418 | H | WILLIAM HILL - SI | 27500 |
| 12.418 | H | ALT VC 11 | 27500 |
| 12.418 | H | ALT VC 140 | 27500 |
| 12.418 | H | ALT VC 145 | 27500 |
| 12.418 | H | ALT VC 160 | 27500 |
| 12.418 | H | ALT VC 20 | 27500 |
| 12.418 | H | ALT VC 29 | 27500 |
| 12.418 | H | ALT VC 33 | 27500 |
| 12.418 | H | ALT VC 39 | 27500 |
| 12.418 | H | ALT VC 40 | 27500 |
| 12.418 | H | ALT VC 49 | 27500 |
| 12.418 | H | ALT VC 50 | 27500 |
| 12.418 | H | ALT VC 53 | 27500 |
| 12.418 | H | ALT VC 59 | 27500 |
| 12.418 | H | AUDIO AND DATA ON | 27500 |
| 12.418 | H | EMP TEST ALT CHAN | 27500 |
| 12.418 | H | SIS Racing - Audi | 27500 |
| 12.418 | H | TEST CHANNEL 135 | 27500 |
| 12.608 | H | TV 1000 Ru Kino FS | 27500 |
| 12.608 | H | Tv1000 Action East | 27500 |
| 12.608 | H | TV1000 East FSS | 27500 |
| 12.608 | H | TV6 Hungary FSS | 27500 |
| 12.608 | H | Viasat Sport FSS | 27500 |
| 12.608 | H | Viasat3 FSS | 27500 |
| 12.637 | H | Explorer/Spice(FSS) | 14463 |
| 12.637 | H | TV1000 Balkan FSS | 14463 |
| 12.637 | H | TV1000 Poland (FSS | 14463 |
| 12.637 | H | Viasat History (FSS) | 14463 |

**SIR004NO**

| | | | |
|---|---|---|---|
| 11.747 | V | TV4 | 27500 |
| 11.747 | V | Allsvenskan 1 | 27500 |
| 11.747 | V | Allsvenskan 2 | 27500 |
| 11.747 | V | Allsvenskan 3 | 27500 |
| 11.747 | V | Allsvenskan 4 | 27500 |
| 11.747 | V | Allsvenskan 5 | 27500 |
| 11.747 | V | Viasat Xtra 1 | 27500 |
| 11.747 | V | Viasat Xtra 2 | 27500 |
| 11.747 | V | Viasat Xtra 3 | 27500 |
| 11.747 | V | Viasat Xtra 4 | 27500 |
| 11.747 | V | Viasat Xtra 5 | 27500 |
| ●11.747 | V | Viasat Xtra 6 | 27500 |
| 11.785 | V | SVT1 ABC | 27500 |
| 11.785 | V | SVT1 Gävledala | 27500 |
| 11.785 | V | SVT1 Mittnytt | 27500 |
| 11.785 | V | SVT1 Nordnytt | 27500 |
| 11.785 | V | SVT1 REG | 27500 |
| 11.785 | V | SVT1 Smålandsnytt | 27500 |
| 11.785 | V | SVT1 Sydnytt | 27500 |
| 11.785 | V | SVT1 Tvärsnytt | 27500 |
| 11.785 | V | SVT1 Värmlandsnytt | 27500 |
| 11.785 | V | SVT1 Västerbottensny | 27500 |
| 11.785 | V | SVT1 Västnytt | 27500 |
| 11.785 | V | SVT1 Östnytt | 27500 |
| 11.785 | V | SVT2 ABC | 27500 |
| 11.785 | V | SVT2 Gävledala | 27500 |
| 11.785 | V | SVT2 Mittnytt | 27500 |
| 11.785 | V | SVT2 Nordnytt | 27500 |
| 11.785 | V | SVT2 REG | 27500 |
| 11.785 | V | SVT2 Smålandsnytt | 27500 |
| 11.785 | V | SVT2 Sydnytt | 27500 |
| 11.785 | V | SVT2 Tvärsnytt | 27500 |
| 11.785 | V | SVT2 Värmlandsnytt | 27500 |
| 11.785 | V | SVT2 Västerbottensny | 27500 |
| 11.785 | V | SVT2 Västnytt | 27500 |
| 11.785 | V | SVT2 Östnytt | 27500 |
| 11.804 | H | MTV NO | 27500 |
| 11.804 | H | Ticket | 27500 |
| 11.804 | H | TV 2 Filmkanalen | 27500 |
| 11.804 | H | TV4 Film | 27500 |
| 11.804 | H | TV4 Plus | 27500 |
| 11.804 | H | TV400 | 27500 |
| 11.804 | H | Viasat History | 27500 |
| 11.804 | H | Viasat Sport 2 | 27500 |
| 11.804 | H | Viasat Sport 3 | 27500 |
| 11.823 | V | CNN | 27500 |
| 11.823 | V | DR 1 | 27500 |
| 11.823 | V | DR 2 | 27500 |
| 11.823 | V | DR1 | 27500 |
| 11.823 | V | DR2 | 27500 |
| 11.823 | V | Explorer/Spice | 27500 |
| 11.823 | V | MTV DK | 27500 |
| 11.823 | V | TV 2 SPORT | 27500 |
| 11.823 | V | TV1000 Ru Kino | 27500 |
| 11.823 | V | TV8 | 27500 |
| 11.823 | V | DR Klassisk | 27500 |
| 11.823 | V | DR P1 | 27500 |
| 11.823 | V | DR P3 | 27500 |
| 11.843 | H | 1st Baltic Ch. Eston | 27500 |
| 11.843 | H | 1st Baltic Ch. Latvi | 27500 |
| 11.843 | H | 1st Baltic Ch. Lithu | 27500 |
| ●11.843 | H | Lietuvos Rytas TV | 27500 |
| 11.843 | H | LNK | 27500 |
| 11.843 | H | LTV7 | 27500 |
| 11.843 | H | Ren-TV B | 27500 |
| 11.843 | H | TV1 Lithuania | 27500 |
| 11.843 | H | 1st Baltic Music Cha | 27500 |
| 11.843 | H | TV5 | 27500 |
| 11.862 | V | FEM | 27500 |
| 11.862 | V | Nickelodeon nordic | 27500 |
| 11.862 | V | TV1000 Action East | 27500 |
| ●11.862 | V | Viasat Fotboll | 27500 |
| ●11.862 | V | Viasat Motor | 27500 |
| ●11.862 | V | Viasat Sport Norge | 27500 |
| 11.862 | V | ztv.se | 27500 |
| 11.862 | V | Viasat Classic 2 | 27500 |
| 11.881 | H | 24 | 27500 |
| 11.881 | H | Barnkanalen | 27500 |
| 11.881 | H | SVT1 | 27500 |
| 11.881 | H | SVT2 | 27500 |
| 11.881 | H | TV1000 Plus One | 27500 |
| 11.881 | H | TV1K+1 | 27500 |
| 11.881 | H | GOD Channel | 27500 |
| 11.881 | H | Kanal 10 | 27500 |
| 11.881 | H | Sirius Channel | 27500 |
| 11.900 | V | BTV | 27500 |
| 11.900 | V | Kanal 2 | 27500 |
| 11.900 | V | MTV Baltics EE | 27500 |
| 11.900 | V | MTV Baltics LT | 27500 |
| 11.900 | V | MTV Baltics LV | 27500 |
| 11.900 | V | TV6 Estonia | 27500 |
| 11.900 | V | TV6 Latvia | 27500 |
| 11.900 | V | Viasat Sport | 27500 |
| 11.900 | V | RTR Planeta Baltic | 27500 |
| ●11.900 | V | Radio Pukas | 27500 |
| 11.919 | H | MTV3 AVA | 27500 |
| 11.919 | H | MTV3 Fakta | 27500 |
| 11.919 | H | MTV3 MAX | 27500 |
| 11.919 | H | MTV3 Sarja | 27500 |
| 11.919 | H | Planeta Sport | 27500 |
| 11.919 | H | Sub Juniori | 27500 |
| 11.919 | H | Sub Leffa | 27500 |
| 11.919 | H | TV 2 Nyhetskanalen | 27500 |
| 11.919 | H | TV1000 Premium | 27500 |
| 11.919 | H | Viasat Golf | 27500 |
| 11.938 | V | Cartoon/TCM EE | 27500 |
| 11.938 | V | Discovery EE | 27500 |
| 11.938 | V | Nat Geo / CNBC | 27500 |
| 11.938 | V | RTR Planeta | 27500 |
| 11.938 | V | TV3 Mitt | 27500 |
| 11.938 | V | TV3 Norr | 27500 |
| 11.938 | V | TV3 Syd | 27500 |
| 11.938 | V | TV3 Väst | 27500 |
| 11.938 | V | TV3 Öst | 27500 |
| 11.938 | V | Bandit Rock | 27500 |
| 11.938 | V | Club/Dance | 27500 |
| 11.938 | V | Disco | 27500 |
| 11.938 | V | Golden Oldies | 27500 |
| 11.938 | V | Jazz | 27500 |
| 11.938 | V | Lugna Favoriter | 27500 |
| 11.938 | V | Soul R&b | 27500 |
| 11.938 | V | Star FM | 27500 |
| 11.938 | V | Super 80's | 27500 |
| 11.938 | V | Classic | 27500 |
| 11.958 | H | 3+ Baltics | 27500 |
| 11.958 | H | 3+ Baltics E | 27500 |
| 11.958 | H | ETV | 27500 |
| 11.958 | H | Lithuanian TV1 | 27500 |
| 11.958 | H | LNT Latvia | 27500 |
| 11.958 | H | LTV1 | 27500 |
| 11.958 | H | TV3 Estonia | 27500 |
| 11.958 | H | TV3 Latvia | 27500 |
| 11.958 | H | TV3 Lithuania | 27500 |
| 11.958 | H | TV6 Lithuania | 27500 |
| 11.958 | H | Power Hit Radio | 27500 |
| ●11.958 | H | Star FM EE | 27500 |
| ●11.958 | H | Star FM LV | 27500 |
| 11.977 | V | BBC World | 27500 |
| 11.977 | V | Hallmark | 27500 |
| 11.977 | V | MTV SE | 27500 |
| 11.977 | V | Nature/Crime/Playboy | 27500 |
| 11.977 | V | TV1000 East | 27500 |
| 11.977 | V | TV3+ | 27500 |
| 11.977 | V | TV4 Fakta | 27500 |
| 11.977 | V | Viasat 4 | 27500 |
| ●11.977 | V | Viasat Sport Sverige | 27500 |
| 11.977 | V | P4 Norge | 27500 |
| 11.996 | H | K75 NORDEN | 27500 |
| 11.996 | H | Kanal 5 | 27500 |
| 11.996 | H | SportN | 27500 |
| 11.996 | H | SvSp | 27500 |
| 11.996 | H | TVN Chile Nordic | 27500 |
| 11.996 | H | Russia today | 27500 |
| 12.015 | V | NRK Super / NRK3 | 27500 |
| 12.015 | V | NRK1 | 27500 |
| 12.015 | V | NRK1 Midtnytt | 27500 |
| 12.015 | V | NRK1 Møre og Romsdal | 27500 |
| 12.015 | V | NRK1 Nordland | 27500 |
| 12.015 | V | NRK1 Nordnytt | 27500 |
| 12.015 | V | NRK1 Rogaland | 27500 |
| 12.015 | V | NRK1 Sørlandet | 27500 |
| 12.015 | V | NRK1 Tegnspråk | 27500 |
| 12.015 | V | NRK1 Vestlandsrevyen | 27500 |
| 12.015 | V | NRK1 Østafjells | 27500 |
| 12.015 | V | NRK1 Østfold | 27500 |
| 12.015 | V | NRK1 Østnytt | 27500 |
| 12.015 | V | NRK2 | 27500 |
| 12.015 | V | NRK Folkemusikk | 27500 |
| 12.015 | V | NRK Gull | 27500 |
| 12.015 | V | NRK Klassisk | 27500 |
| 12.015 | V | NRK mP3 | 27500 |
| 12.015 | V | NRK Nyheter | 27500 |
| 12.015 | V | NRK P1 | 27500 |
| 12.015 | V | NRK P2 | 27500 |
| 12.015 | V | NRK P3 | 27500 |
| 12.015 | V | NRK Sami Radio | 27500 |
| 12.015 | V | NRK Storting | 27500 |
| 12.015 | V | NRK Super | 27500 |
| 12.015 | V | NRK Været til sjøs | 27500 |
| 12.034 | H | Disney Channel | 27500 |
| 12.034 | H | E! | 27500 |
| 12.034 | H | NickelodeonSE/VH1 | 27500 |
| 12.034 | H | Toon Disney | 27500 |
| 12.034 | H | TV1000 Classic | 27500 |
| 12.034 | H | TV1000 Family | 27500 |
| 12.034 | H | TV1000 Nordic | 27500 |
| 12.034 | H | TV1KC | 27500 |
| 12.034 | H | Zone Reality | 27500 |
| 12.054 | V | Cartoon/TCM | 27500 |
| 12.054 | V | Jetix/Travel | 27500 |
| 12.054 | V | TV1000 | 27500 |
| 12.054 | V | TV1000 Action | 27500 |
| 12.054 | V | TV1K | 27500 |
| 12.054 | V | TV1KA | 27500 |
| 12.054 | V | TV3 Denmark | 27500 |
| 12.054 | V | TV3 Norge | 27500 |
| 12.054 | V | TV3 Stockholm | 27500 |
| 12.054 | V | TV6 | 27500 |
| 12.054 | V | Bandit 106.3 | 27500 |
| 12.054 | V | Rix FM | 27500 |
| 12.092 | V | Playhouse Disney | 27500 |
| 12.092 | V | TV 2 Norge | 27500 |
| 12.092 | V | TV2 NEWS | 27500 |
| 12.092 | V | TV4 Science Fiction | 27500 |
| 12.092 | V | TV4 Sport | 27500 |
| 12.092 | V | TV7 | 27500 |
| 12.092 | V | TVNorge | 27500 |
| 12.092 | V | Visjon Norge | 27500 |
| 12.399 | V | TV 2 Sport HD | 27500 |
| 12.399 | V | Viasat Sport HD | 27500 |
| ●12.399 | V | MTVNHD | 27500 |
| 12.437 | V | SVT HD | 27500 |
| 12.437 | V | TV1000 HD | 27500 |
| ●12.437 | V | TV1000 HD_c | 27500 |
| 12.476 | V | TV 2/Bornholm | 27500 |
| 12.476 | V | TV 2/Fyn | 27500 |
| 12.476 | V | TV 2/Lorry | 27500 |
| 12.476 | V | TV 2/Midt-Vest | 27500 |
| 12.476 | V | TV 2/Nord | 27500 |
| 12.476 | V | TV 2/Syd | 27500 |
| 12.476 | V | TV 2/Øst | 27500 |
| 12.476 | V | TV 2/Østjylland | 27500 |
| 12.680 | H | A-One | 9404 |
| 12.680 | H | TEST2 | 9404 |
| 12.718 | V | 2T | 15000 |
| 12.718 | V | KiKo | 15000 |
| 12.718 | V | Planeta | 15000 |
| 12.718 | V | Svit | 15000 |
| ●12.718 | V | Design-tv | 15000 |
| 12.718 | V | English_club | 15000 |
| 12.718 | V | NOVY DOM | 15000 |
| 12.718 | V | R-TV | 15000 |
| 12.718 | V | Turburo | 15000 |

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**7.0 East**
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| 11.175 | V | Int6 | 27500 |
| 11.175 | V | TVP Info | 27500 |
| 11.175 | V | TVP Sport | 27500 |
| 11.175 | V | TVP1 | 27500 |
| 11.175 | V | TVP2 | 27500 |
| 11.175 | V | TV Polonia | 27500 |
| 11.283 | V | EUROSPORT | 27500 |
| 11.283 | V | EUROSPORT2 | 27500 |
| 11.283 | V | EUROSPORTNEWS | 27500 |
| 11.283 | V | PROD ESP | 27500 |
| 11.283 | V | PROD ESP2 | 27500 |
| 11.283 | V | M6_Suisse | 27500 |
| 11.283 | V | OCCA_1_W3 | 27500 |
| ●11.283 | V | RFI Newzik | 27500 |
| 11.283 | V | BuffaloGrill | 27500 |
| 11.283 | V | RFI Afrique | 27500 |
| 11.283 | V | RFI Albania | 27500 |
| 11.283 | V | RFI Americas 5 | 27500 |
| 11.283 | V | RFI Anik | 27500 |
| 11.283 | V | RFI Austria | 27500 |
| 11.283 | V | RFI Bakou | 27500 |
| 11.283 | V | RFI Barcelona | 27500 |
| 11.283 | V | RFI BBC Hungary | 27500 |
| 11.283 | V | RFI BBC Saxe | 27500 |
| 11.283 | V | RFI Bucarest | 27500 |
| 11.283 | V | RFI Cambodge | 27500 |
| 11.283 | V | RFI Chisinau | 27500 |
| 11.283 | V | RFI Divers 1 | 27500 |
| 11.283 | V | RFI Divers 2 | 27500 |
| 11.283 | V | RFI Divers 3 | 27500 |
| 11.283 | V | RFI Divers 4 | 27500 |
| 11.283 | V | RFI Divers 5 | 27500 |
| 11.283 | V | RFI Divers 6 | 27500 |
| 11.283 | V | RFI Divers 7 | 27500 |
| 11.283 | V | RFI Divers 8 | 27500 |
| 11.283 | V | RFI Ekaterinbourg | 27500 |
| 11.283 | V | RFI Epra | 27500 |
| 11.283 | V | RFI Erevan | 27500 |
| 11.283 | V | RFI Fileas | 27500 |
| 11.283 | V | RFI Francais | 27500 |
| 11.283 | V | RFI Germany | 27500 |
| 11.283 | V | RFI Hispasat1 | 27500 |
| 11.283 | V | RFI Hispasat2 | 27500 |
| 11.283 | V | RFI Kosovo | 27500 |
| 11.283 | V | RFI Langues Div | 27500 |
| 11.283 | V | RFI Langues Est | 27500 |
| 11.283 | V | RFI Langues1 | 27500 |
| 11.283 | V | RFI Latine | 27500 |
| 11.283 | V | RFI Liban | 27500 |
| 11.283 | V | RFI Lisbonne | 27500 |
| 11.283 | V | RFI Montenegro | 27500 |
| 11.283 | V | RFI Multilingue | 27500 |
| 11.283 | V | RFI Ocean Indien | 27500 |
| 11.283 | V | RFI Orbit | 27500 |
| 11.283 | V | RFI Prague | 27500 |
| 11.283 | V | RFI Reserve | 27500 |
| 11.283 | V | RFI Rmc Amman | 27500 |
| 11.283 | V | RFI Rmc Mo | 27500 |
| 11.283 | V | RFI Russia | 27500 |
| 11.283 | V | RFI Skopje | 27500 |
| 11.283 | V | RFI Sofia | 27500 |
| 11.283 | V | RFI St Peter | 27500 |
| 11.283 | V | RFI Tbilissi | 27500 |
| 11.283 | V | RFI Test | 27500 |
| 11.324 | V | BFBS 1 | 27500 |
| 11.324 | V | BFBS 10 | 27500 |
| 11.324 | V | BFBS 2 | 27500 |
| 11.324 | V | BFBS 3 | 27500 |
| 11.324 | V | BFBS 4 | 27500 |
| 11.324 | V | BFBS 5 | 27500 |
| 11.324 | V | BFBS 6 | 27500 |
| 11.324 | V | BFBS 7 | 27500 |
| 11.324 | V | BFBS 8 | 27500 |
| 11.324 | V | BFBS 9 | 27500 |
| 11.324 | V | AFGHANISTAN | 27500 |
| 11.324 | V | CONTRIBUTION* | 27500 |
| 11.324 | V | GERMANY* | 27500 |
| 11.324 | V | OPERATIONS* | 27500 |
| 11.324 | V | R2 CYPRUS | 27500 |
| 11.324 | V | R2 EUROPE | 27500 |
| 11.324 | V | R2 WORLD | 27500 |
| 11.324 | V | BALKANS | 27500 |
| 11.324 | V | BFBS UK | 27500 |
| 11.324 | V | CYPRUS | 27500 |
| 11.324 | V | EUROPE | 27500 |
| 11.324 | V | GURKHA | 27500 |
| 11.324 | V | M.EAST | 27500 |
| 11.324 | V | N.IRELAND | 27500 |
| 11.345 | H | ESP2 FAPL Clean | 27500 |
| 11.345 | H | ESP2 German | 27500 |
| 11.345 | H | 2STV | 27500 |
| 11.345 | H | Africable | 27500 |
| 11.345 | H | ORTM | 27500 |
| 11.345 | H | RTS | 27500 |
| ●11.345 | H | TPAI | 27500 |
| 11.345 | H | MOOD MEDIA | 27500 |
| 11.345 | H | MOOD RADIO | 27500 |
| 11.345 | H | Origine FM | 27500 |
| 11.345 | H | PUBLIRAD | 27500 |
| 11.345 | H | RSI | 27500 |
| 11.452 | V | ATA TV | 25066 |
| 11.452 | V | CHANNEL 1 RUSSIA | 25066 |
| 11.452 | V | E! ENTERTAINMENT | 25066 |
| 11.452 | V | HALK TV | 25066 |
| 11.452 | V | KANAL B | 25066 |
| 11.452 | V | SALONDA NE VAR? | 25066 |
| 11.452 | V | SES TV | 25066 |
| 11.452 | V | DIGI | 25066 |
| 11.471 | H | 24 | 30000 |
| 11.471 | H | BBC PRIME | 30000 |
| 11.471 | H | e2 | 30000 |
| 11.471 | H | EURONEWS | 30000 |
| 11.471 | H | EUROSPORT 2 | 30000 |
| 11.471 | H | EXTREME SPORTS | 30000 |
| 11.471 | H | FASHION TV | 30000 |
| 11.471 | H | FOXlife | 30000 |
| 11.471 | H | MEZZO | 30000 |
| 11.471 | H | MTV Türkiye | 30000 |
| 11.471 | H | NTV SPOR | 30000 |
| 11.471 | H | TVNET | 30000 |
| 11.492 | V | DIZIMAX | 30000 |
| 11.492 | V | HALLMARK CHANNEL | 30000 |
| 11.492 | V | LİG TV | 30000 |
| 11.492 | V | MEMLEKETİM TV | 30000 |
| 11.492 | V | SAMANYOLU TV | 30000 |
| 11.492 | V | SHOW PLUS | 30000 |
| 11.492 | V | TÜRKMAX | 30000 |
| 11.492 | V | WEDDING TV | 30000 |
| 11.492 | V | ZONE REALITY | 30000 |
| 11.492 | V | TRT1 | 30000 |
| ●11.492 | V | TRT2/TRT3 | 30000 |
| 11.492 | V | test2 | 30000 |
| 11.492 | V | testint | 30000 |
| 11.513 | H | BABY TV | 27500 |
| 11.513 | H | BABYFIRST | 27500 |
| 11.513 | H | CRIME&INVESTIGATI | 27500 |
| 11.513 | H | FLASH TV | 27500 |
| 11.513 | H | POWERTURK TV | 27500 |
| 11.513 | H | S HABER | 27500 |
| 11.513 | H | TV5 MONDE | 27500 |
| ●11.513 | H | YUMURCAK TV | 27500 |
| 11.513 | H | İZ | 27500 |
| 11.513 | H | MASAL TV | 27500 |

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| 10.880 | V | EXQI sport | 17360 |
| 10.880 | V | HD1 | 17360 |
| ●10.880 | V | HD3 | 17360 |
| 10.880 | V | HD2/5 | 17360 |
| 10.928 | H | EUROSPORT HD | 30000 |
| 10.928 | H | LIG TV HD | 30000 |
| 10.928 | H | MMAX HD | 30000 |
| 10.928 | H | NAT GEO HD | 30000 |
| 10.928 | H | SPORMAX HD | 30000 |
| ●11.534 | V | 6 NEWS | 30000 |
| 11.534 | V | BBC WORLD | 30000 |
| 11.534 | V | BLOOMBERG | 30000 |
| 11.534 | V | CARTOON NETWORK | 30000 |
| 11.534 | V | CNBC-e | 30000 |
| 11.534 | V | CNN TÜRK | 30000 |
| 11.534 | V | KANAL 778 | 30000 |
| 11.534 | V | KANALTURK | 30000 |
| 11.534 | V | KRAL TV | 30000 |
| 11.534 | V | MOVIEMAX | 30000 |
| 11.534 | V | NTV | 30000 |
| 11.534 | V | Test 453 | 30000 |
| 11.534 | V | TV8 | 30000 |
| 11.554 | H | AKILLI TV | 27500 |
| ●11.554 | H | CEM TV | 27500 |
| 11.554 | H | DIGITURK INFO | 27500 |
| 11.554 | H | KANAL A | 27500 |
| 11.554 | H | KANAL BİZ | 27500 |
| 11.554 | H | KANAL T | 27500 |
| 11.554 | H | KARADENİZ TV | 27500 |
| 11.554 | H | SAUDI 1 TV | 27500 |
| 11.575 | V | JETIX | 30000 |
| 11.575 | V | JETIX PLAY | 30000 |
| 11.575 | V | KANAL 779 | 30000 |
| 11.575 | V | KANAL D | 30000 |
| 11.575 | V | NBA TV | 30000 |
| 11.575 | V | SALON 2 | 30000 |
| 11.575 | V | SHOW TV | 30000 |
| 11.575 | V | SHOWMAX | 30000 |
| ●11.575 | V | TOUCH | 30000 |
| 11.575 | V | TURKCELL SALON 1 | 30000 |
| 11.575 | V | VIP TV | 30000 |
| ●11.575 | V | YACHT&SAIL | 30000 |
| 11.595 | H | AL JAZEERA English | 30000 |
| 11.595 | H | CNN INTERNATIONAL | 30000 |
| 11.595 | H | FB TV | 30000 |
| 11.595 | H | FOX SPORTS | 30000 |
| 11.595 | H | GOLDMAX 2 | 30000 |
| 11.595 | H | HABERTURK | 30000 |
| 11.595 | H | LIG TV TICARI | 30000 |
| 11.595 | H | MYMAX | 30000 |
| 11.595 | H | RAI1 | 30000 |
| 11.595 | H | SPORMAX | 30000 |
| 11.595 | H | TGRT HABER | 30000 |
| 11.595 | H | TJK TV | 30000 |
| 11.595 | H | test2. | 30000 |
| 11.595 | H | test455 | 30000 |
| 11.617 | V | BTV 2 | 30000 |
| 11.617 | V | HOME TV | 30000 |
| 11.617 | V | MCM TOP | 30000 |
| 11.617 | V | NAT. GEO. WILD | 30000 |
| 11.617 | V | NAT.GEOGRAPHIC | 30000 |
| 11.617 | V | NICKELODEON | 30000 |
| 11.617 | V | STAR | 30000 |
| 11.617 | V | THE HISTORY CH. | 30000 |
| 11.617 | V | VH1 | 30000 |
| 11.617 | V | 2000 s HITS | 30000 |
| 11.617 | V | 50 s / 60 s HITS | 30000 |
| 11.617 | V | 70 s HITS | 30000 |
| 11.617 | V | 80 s HITS | 30000 |
| 11.617 | V | 90 s HITS | 30000 |
| 11.617 | V | ALEM FM 89.2 | 30000 |
| 11.617 | V | ALTERNATIVE ROCK | 30000 |
| 11.617 | V | ARIONRADIO.COM | 30000 |
| 11.617 | V | BLUES | 30000 |
| 11.617 | V | CHILL OUT / LOUNG | 30000 |
| 11.617 | V | CLASSIC ROCK | 30000 |
| 11.617 | V | CLASSICAL MUSIC | 30000 |
| 11.617 | V | DANCE | 30000 |
| 11.617 | V | DANCE CLASSICS | 30000 |
| 11.617 | V | EASY LISTENING | 30000 |
| 11.617 | V | HARD ROCK | 30000 |
| 11.617 | V | HIP HOP R&B | 30000 |
| 11.617 | V | HOTTEST HITS | 30000 |
| 11.617 | V | INTERNATIONAL | 30000 |
| 11.617 | V | JAZZ CLASSICS | 30000 |
| 11.617 | V | LATIN | 30000 |
| 11.617 | V | LİG RADYO | 30000 |
| 11.617 | V | MASAL RADYO | 30000 |
| 11.617 | V | NU JAZZ | 30000 |
| 11.617 | V | OPERA | 30000 |
| 11.617 | V | POWER FM | 30000 |
| 11.617 | V | POWERTÜRK | 30000 |
| 11.617 | V | R & B | 30000 |
| 11.617 | V | RADIO TIME | 30000 |
| 11.617 | V | RADYO SPOR | 30000 |
| 11.617 | V | REGGAE | 30000 |
| 11.617 | V | SMOOTH JAZZ | 30000 |
| 11.617 | V | SONGS OF LOVE | 30000 |
| 11.617 | V | STANDARDS | 30000 |
| 11.617 | V | SYMPHONIC | 30000 |
| 11.617 | V | YOGA ZONE | 30000 |
| 11.617 | V | | 30000 |
| 11.617 | V | Test454 | 30000 |
| 11.637 | H | ACTIONMAX | 30000 |
| 11.637 | H | AVRASYA TV | 30000 |
| 11.637 | H | BTV | 30000 |
| 11.637 | H | GOLDMAX | 30000 |
| 11.637 | H | INTIMACY | 30000 |
| 11.637 | H | JOJO | 30000 |
| 11.637 | H | JOLLY TATİL TV | 30000 |
| 11.637 | H | KANAL 1 | 30000 |
| 11.637 | H | Kanal Biz | 30000 |
| 11.637 | H | MGM MOVIES | 30000 |
| 11.637 | H | PRO7 | 30000 |
| 11.637 | H | TOUCH | 30000 |
| ●11.637 | H | YACHT&SAIL | 30000 |
| 11.637 | H | DIGIOYUN | 30000 |
| 11.679 | H | ATV | 30000 |
| 11.679 | H | COMEDYMAX | 30000 |
| 11.679 | H | DISNEY CHANNEL | 30000 |
| 11.679 | H | DREAM TV | 30000 |
| 11.679 | H | EUROSPORT | 30000 |
| 11.679 | H | FOX | 30000 |
| 11.679 | H | KANAL 7 | 30000 |
| 11.679 | H | MOVIEMAX 2 | 30000 |
| 11.679 | H | NUMBER 1 TV | 30000 |
| 11.679 | H | SALON 3 | 30000 |
| 11.679 | H | ÜLKE TV | 30000 |
| 11.679 | H | SKYTURK | 30000 |

**South Africa**
**EUTELSAT W3A**
**7.1 East**
**EUTW3AAB**

| | | | |
|---|---|---|---|
| 10.978 | H | MBS tv | 3333 |
| 10.978 | H | TVM Malagasy | 3333 |
| 10.978 | H | MBS Radio | 3333 |
| 10.978 | H | MG-InterFEEDS | 3333 |
| 10.978 | H | Radio Fahazavana | 3333 |
| 10.978 | H | Radio MADA | 3333 |
| 10.978 | H | RNM 2 Amontana | 3333 |
| 10.978 | H | RNM Madagasikara | 3333 |
| 11.190 | H | MBC-R0D. TV2 and | 3210 |
| 11.190 | H | R0DRIGUES TV1 and | 3210 |
| ●12.728 | H | {Empty Name} | 30000 |
| 10.962 | H | TV Miramar | 3255 |

**Europe**
**EUROBIRD 9**
**9.0 East**
**EUB009KW**

| | | | |
|---|---|---|---|
| 11.727 | V | Discovery | 27500 |
| 11.727 | V | História | 27500 |
| 11.727 | V | Panda | 27500 |
| 11.727 | V | People & Arts | 27500 |
| 11.727 | V | RTP N | 27500 |
| 11.727 | V | SIC | 27500 |
| 11.727 | V | TVI | 27500 |
| 11.727 | V | RTP 1 | 27500 |
| 11.727 | V | RTP 2 | 27500 |
| 11.727 | V | ESPN | 27500 |
| 11.727 | V | Odisseia | 27500 |
| ●11.747 | H | Bet Vision | 27500 |
| ●11.747 | H | SISAL 1 | 27500 |
| ●11.747 | H | SISAL 2 | 27500 |
| ●11.747 | H | 3 CH | 27500 |
| ●11.747 | H | 3D Switch | 27500 |
| ●11.747 | H | BLU | 27500 |
| ●11.747 | H | FacileTV | 27500 |
| ●11.747 | H | GDS | 27500 |
| ●11.747 | H | ITALIA 2 | 27500 |
| ●11.747 | H | REGIONE VENETO | 27500 |
| ●11.747 | H | RETE 7 | 27500 |
| ●11.747 | H | SALENTO CHANNEL | 27500 |
| ●11.747 | H | STUDIO 100 TV | 27500 |
| ●11.747 | H | TVA VICENZA | 27500 |
| ●11.747 | H | R&R SELEX | 27500 |
| ●11.747 | H | RADIO GENIUS | 27500 |
| ●11.747 | H | RADIO SHEPHERD | 27500 |
| ●11.747 | H | ROS&ROS | 27500 |
| 11.766 | V | MGM | 27500 |
| 11.766 | V | MTV | 27500 |
| 11.766 | V | VH1 | 27500 |
| 11.766 | V | MVMTV | 27500 |
| 11.766 | V | RNTV | 27500 |
| 11.766 | V | Biography | 27500 |
| 11.766 | V | Hollywood | 27500 |
| 11.766 | V | Musica Brasil | 27500 |
| 11.766 | V | NASN | 27500 |
| 11.766 | V | RBTI | 27500 |
| 11.766 | V | Travel | 27500 |
| 11.785 | H | CCTV 4 | 27500 |
| 11.785 | H | M3 sat | 27500 |
| 11.785 | H | Nessuno TV | 27500 |
| ●11.785 | H | Neth Srilanka | 27500 |
| 11.785 | H | Telelombardia | 27500 |
| 11.785 | H | CUOREDUE CENTRO | 27500 |
| 11.785 | H | CUOREDUE SUD | 27500 |
| 11.785 | H | GAMMARADIO | 27500 |
| 11.785 | H | Radio CRC | 27500 |
| 11.785 | H | Radio Nostalgia | 27500 |
| 11.785 | H | RADIO RELAX | 27500 |
| 11.804 | V | LUXE.TV HD | 27500 |
| 11.804 | V | MelodyZen.tv | 27500 |
| ●11.804 | V | C-MUSIC | 27500 |
| 11.804 | V | LUXE.TV SD | 27500 |
| 11.804 | V | MelodyZen.tv | 27500 |
| 11.823 | H | TVB Classic | 27500 |
| ●11.823 | H | TVB Entertainment ne | 27500 |
| 11.823 | H | TVB Life Style | 27500 |
| 11.823 | H | TVBN | 27500 |
| 11.823 | H | TVBS Europe | 27500 |
| ●11.823 | H | Speda TV | 27500 |
| 11.823 | H | TBi | 27500 |
| 11.843 | V | ARY Digital | 27500 |
| 11.843 | V | ARY One World | 27500 |
| ●11.843 | V | ARY QTV | 27500 |
| 11.843 | V | B4U Movies | 27500 |
| 11.843 | V | B4U Music | 27500 |
| 11.843 | V | S-LAND | 27500 |
| 11.843 | V | SVT Europa | 27500 |
| 11.843 | V | TEN Sports | 27500 |
| 11.843 | V | Aastha | 27500 |
| 11.843 | V | AL BASHARA | 27500 |
| 11.843 | V | Amrita TV | 27500 |
| 11.843 | V | DAN (Tamil) | 27500 |
| 11.843 | V | Kairali | 27500 |
| 11.843 | V | Nepali | 27500 |
| 11.843 | V | NLM TV | 27500 |
| 11.843 | V | RAAD TV | 27500 |
| 11.843 | V | Shalom | 27500 |
| 11.843 | V | TV Lanka | 27500 |
| 11.843 | V | ZEE Russia | 27500 |
| 11.843 | V | Radio HAY | 27500 |
| 11.843 | V | Radio Sweden 1 | 27500 |
| 11.843 | V | Radio Sweden 2 | 27500 |
| 11.900 | H | Al Jazeera Int | 27500 |
| 11.900 | H | BBC World | 27500 |
| 11.900 | H | E! Entertainment | 27500 |
| 11.900 | H | Fox Sports Africa | 27500 |
| 11.900 | H | G  Prime | 27500 |
| 11.900 | H | G Prime | 27500 |
| 11.900 | H | G Sports 1 | 27500 |
| 11.900 | H | G Sports 2 | 27500 |
| 11.900 | H | G XTRA | 27500 |
| 11.900 | H | GOD | 27500 |
| 11.900 | H | Kiss | 27500 |
| 11.900 | H | MGM | 27500 |
| 11.900 | H | MTV base | 27500 |
| 11.900 | H | Nickelodeon | 27500 |
| 11.900 | H | Setanta Africa | 27500 |
| 11.900 | H | Sky News | 27500 |
| 11.900 | H | TV5 Monde Afrique | 27500 |
| 11.900 | H | Zee Cinema | 27500 |
| ●11.916 | V | FTV HD | 27500 |
| ●11.916 | V | TIN +972-73-7998873 | 27500 |
| ●11.916 | V | AL Aan | 27500 |
| ●11.916 | V | AL JADEED | 27500 |
| ●11.916 | V | Alhayat TV | 27500 |
| ●11.916 | V | ARRAI | 27500 |
| ●11.916 | V | Atlas-TV | 27500 |
| ●11.916 | V | ETN TV | 27500 |
| ●11.916 | V | FATAFEAT | 27500 |
| ●11.916 | V | GEAR ONE | 27500 |
| ●11.916 | V | IRAQ Economic | 27500 |
| ●11.916 | V | Rainbow | 27500 |
| ●11.916 | V | EDEN Radio | 27500 |
| 11.958 | V | MelodyZen HD | 27500 |
| 11.958 | V | Boomerang Germany | 27500 |
| 11.958 | V | CN Germany | 27500 |
| 11.958 | V | TBi | 27500 |
| 11.958 | V | TCM Germany | 27500 |
| 11.958 | V | C-MUSIC | 27500 |
| 11.958 | V | MelodyZen SD | 27500 |
| 11.958 | V | Poker Channel | 27500 |
| 11.977 | H | Akubis Classic | 27500 |
| 11.977 | H | Akubis Direkt | 27500 |
| 11.977 | H | OCC | 27500 |
| 11.977 | H | OCC_2 | 27500 |
| 11.977 | H | TSBS-MB-cz | 27500 |
| 11.977 | H | TSBS-MB-dt | 27500 |
| 11.977 | H | TSBS-MB-f | 27500 |
| 11.977 | H | TSBS-MB-nl | 27500 |
| 11.977 | H | TSBS-MB-rum | 27500 |
| 11.977 | H | TSBS-MB-s | 27500 |
| 11.977 | H | TSBS-MB-sl | 27500 |
| 11.977 | H | Akubis Special IG | 27500 |
| 11.977 | H | Testbild | 27500 |
| 12.034 | V | HBO HD | 27500 |
| 12.034 | V | Eurosport HD | 27500 |
| 12.034 | V | Eurosport 2 | 27500 |
| 12.034 | V | Filmbox | 27500 |
| 12.034 | V | Musicmax / Adult | 27500 |
| 12.034 | V | Jazzradio.hu | 27500 |
| 12.074 | V | Filmbox HD | 27500 |
| 12.074 | V | National Geographic | 27500 |
| 12.074 | V | The History Channel | 27500 |
| 12.074 | V | Magyar ATV | 27500 |
| 12.074 | V | RTL Klub | 27500 |
| 12.074 | V | TV2 | 27500 |
| 11.863 | H | TEST 201 | 27500 |
| 11.863 | H | TEST 202 | 27500 |
| 11.863 | H | TEST 203 | 27500 |
| 11.863 | H | TEST 204 | 27500 |
| 11.863 | H | TEST 205 | 27500 |
| 11.863 | H | TEST 206 | 27500 |
| 11.863 | H | TEST 207 | 27500 |
| 11.863 | H | TEST 208 | 27500 |
| 11.863 | H | TEST 209 | 27500 |
| 11.863 | H | TEST 210 | 27500 |
| 11.863 | H | TEST 211 | 27500 |
| 11.863 | H | TEST 212 | 27500 |
| 11.863 | H | TEST 213 | 27500 |
| 11.863 | H | TEST 214 | 27500 |
| ●11.919 | V | FTV HD | 27500 |
| ●11.919 | V | TIN +972-73-7998873 | 27500 |
| ●11.919 | V | AL Aan | 27500 |
| ●11.919 | V | AL JADEED | 27500 |
| ●11.919 | V | Alhayat TV | 27500 |
| ●11.919 | V | ARRAI | 27500 |
| ●11.919 | V | Atlas-TV | 27500 |
| ●11.919 | V | ETN TV | 27500 |
| ●11.919 | V | FATAFEAT | 27500 |
| ●11.919 | V | GEAR ONE | 27500 |
| ●11.919 | V | IRAQ Economic | 27500 |
| ●11.919 | V | Rainbow | 27500 |
| ●11.919 | V | EDEN Radio | 27500 |
| ●11.938 | V | FTV HD | 27500 |
| 11.938 | H | Red Light Experience | 27500 |
| 11.938 | H | Red Light Hot | 27500 |
| 11.938 | H | Red Light Spicy | 27500 |
| 11.938 | H | Red Light Treat | 27500 |
| ●11.938 | V | TIN +972-73-7998873 | 27500 |
| 11.938 | H | Walf TV | 27500 |
| ●11.938 | V | AL Aan | 27500 |
| ●11.938 | V | AL JADEED | 27500 |
| ●11.938 | V | Alhayat TV | 27500 |
| ●11.938 | V | ARRAI | 27500 |
| ●11.938 | V | Atlas-TV | 27500 |
| ●11.938 | V | ETN TV | 27500 |
| ●11.938 | V | FATAFEAT | 27500 |
| ●11.938 | V | GEAR ONE | 27500 |
| ●11.938 | V | IRAQ Economic | 27500 |
| 11.938 | H | LIBERTY TV FR | 27500 |
| 11.938 | H | NSTV | 27500 |
| ●11.938 | V | PTV | 27500 |
| ●11.938 | V | Rainbow | 27500 |
| 11.938 | H | TAM TAM TV | 27500 |
| 11.938 | H | WALF 2 | 27500 |
| ●11.938 | V | EDEN Radio | 27500 |
| 12.034 | H | Disney Cinemagic | 27500 |
| 12.034 | H | Disney Cinemagic +1 | 27500 |
| ●12.034 | H | 04 FEEDS TSA | 27500 |
| 12.034 | H | ANA FILMS TV | 27500 |
| ●12.034 | H | DM ARABIAN | 27500 |
| 12.034 | H | OPAL TV | 27500 |
| 12.054 | H | Disney Cinemagic | 27500 |
| 12.054 | H | Disney Cinemagic +1 | 27500 |
| ●12.054 | H | 04 FEEDS TSA | 27500 |
| 12.054 | H | ANA FILMS TV | 27500 |
| ●12.054 | H | DM ARABIAN | 27500 |
| 12.054 | H | OPAL TV | 27500 |
| 12.074 | H | Sex Black | 27500 |
| 12.074 | H | Sex Erotic | 27500 |
| 12.074 | H | Sex Girls | 27500 |
| 12.074 | H | Sex Hot | 27500 |
| 12.074 | H | Sex Infinity | 27500 |
| 12.074 | H | Sex Italy | 27500 |
| ●12.074 | H | Sex Mixxx | 27500 |

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# SatcoDX Global Satellite Chart 02/2009

| Freq GHz | Pol | Channel Name | Symbol rate |
|---|---|---|---|
| 12.074 | H | Sex Planet | 27500 |
| 12.074 | H | Sex Spice | 27500 |
| 12.074 | H | Sex Top | 27500 |
| 12.074 | H | Sex Voyeur | 27500 |
| 12.074 | H | Sex World | 27500 |
| 12.074 | H | Musicam 1 | 27500 |
| 12.074 | H | Musicam 2 | 27500 |
| 12.074 | H | Musicam 3 | 27500 |
| 12.074 | H | Musicam 4 | 27500 |
| 12.074 | H | Musicam 5 | 27500 |
| 12.074 | H | Musicam 6 | 27500 |
| 12.092 | H | Sex Black | 27500 |
| 12.092 | H | Sex Erotic | 27500 |
| 12.092 | H | Sex Girls | 27500 |
| 12.092 | H | Sex Hot | 27500 |
| 12.092 | H | Sex Infinity | 27500 |
| 12.092 | H | Sex Italy | 27500 |
| ● 12.092 | H | Sex Mixxx | 27500 |
| 12.092 | H | Sex Planet | 27500 |
| 12.092 | H | Sex Spice | 27500 |
| 12.092 | H | Sex Top | 27500 |
| 12.092 | H | Sex Voyeur | 27500 |
| 12.092 | H | Sex World | 27500 |
| 12.092 | H | Musicam 1 | 27500 |
| 12.092 | H | Musicam 2 | 27500 |
| 12.092 | H | Musicam 3 | 27500 |
| 12.092 | H | Musicam 4 | 27500 |
| 12.092 | H | Musicam 5 | 27500 |
| 12.092 | H | Musicam 6 | 27500 |

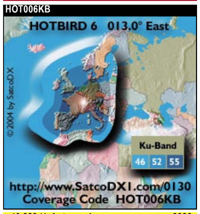
## Europe
## EUTELSAT W1
## 10.0 East

EUT0W1KE

| Freq GHz | Pol | Channel Name | Symbol rate |
|---|---|---|---|
| 11.126 | H | JSCTLPRT | 4340 |
| 11.156 | H | Al Jazeera | 3978 |
| 11.175 | H | AL-FORAT | 2532 |
| 11.190 | V | InXtc TV | 5208 |
| 11.190 | V | eurotic TV | 5208 |
| 11.190 | V | Eurotic2 | 5208 |
| 12.568 | V | DisneyME | 3617 |
| 12.611 | H | MGM EU | 9259 |
| 12.611 | H | MGM MC | 9259 |
| 12.611 | H | MGM ME | 9259 |

## Europe, Middle East
## HOTBIRD 6,7A,8
## 13.0 East

HOT006KB




| Freq GHz | Pol | Channel Name | Symbol rate |
|---|---|---|---|
| 10.829 | H | Autonomia | 3333 |
| 10.834 | V | Canal+ | 27500 |
| 10.834 | V | Canal+ Cinéma | 27500 |
| 10.834 | V | Canal+ Décalé | 27500 |
| 10.834 | V | Canal+ Sport | 27500 |
| 10.834 | V | COMEDIE | 27500 |
| 10.834 | V | Eurosport 2 | 27500 |
| 10.834 | V | France 2 | 27500 |
| 10.834 | V | France 3 | 27500 |
| 10.834 | V | ITELE | 27500 |
| 10.853 | H | INXTC TV | 27500 |
| 10.853 | H | 'Arab-Girls.TV | 27500 |
| 10.853 | H | ALO TV | 27500 |
| 10.853 | H | ArabSexClub | 27500 |
| 10.853 | H | eurotic TV | 27500 |
| 10.853 | H | eurotic TV 2 | 27500 |
| 10.853 | H | Fatayat 7'armanat | 27500 |
| 10.853 | H | Sexy-Arab.TV | 27500 |
| 10.853 | H | Supreme Master TV | 27500 |
| 10.853 | H | Ta3arees TV | 27500 |
| 10.872 | V | Equidia | 27500 |
| 10.872 | V | Equidia Outlist | 27500 |
| 10.872 | V | France 4 | 27500 |
| 10.872 | V | France 5 | 27500 |
| 10.872 | V | France Ô | 27500 |
| 10.872 | V | La Chaine Parlementa | 27500 |
| 10.872 | V | La Chaîne Parlementa | 27500 |
| 10.872 | V | M6 Music Black | 27500 |
| 10.872 | V | M6 Music Rock | 27500 |
| 10.872 | V | Sci Fi | 27500 |
| 10.872 | V | TV Breizh | 27500 |
| 10.872 | V | Ushuaia TV | 27500 |
| 10.872 | V | Fun Radio | 27500 |
| 10.872 | V | RTL2 | 27500 |
| 10.872 | V | Alouette | 27500 |
| 10.872 | V | Europe1 | 27500 |
| 10.872 | V | Guide | 27500 |
| 10.872 | V | RFM | 27500 |
| 10.872 | V | RTL | 27500 |
| 10.872 | V | Virgin Radio | 27500 |
| 10.971 | H | Baby TV | 27500 |
| 10.971 | H | TIN + 18668336763 | 27500 |
| 10.971 | H | Al-Anwar | 27500 |
| 10.971 | H | Asianet Plus | 27500 |
| 10.971 | H | GOD TV | 27500 |
| 10.971 | H | LA8 | 27500 |
| 10.971 | H | LA9 | 27500 |
| 10.971 | H | MRTV / Univ TV | 27500 |
| 10.971 | H | Music Box Russia | 27500 |
| 10.971 | H | NTD TV | 27500 |
| 10.971 | H | Russia Today | 27500 |
| 10.971 | H | Suroyo tv | 27500 |
| 10.971 | H | Suryoyo Sat | 27500 |
| 10.971 | H | Telenova | 27500 |
| 10.971 | H | The Word Network | 27500 |
| 10.971 | H | TRT-INT | 27500 |
| 10.971 | H | Wind int. tv | 27500 |
| 10.971 | H | Nawa Kurd Radio | 27500 |
| 10.971 | H | R.jamawar_KSDP | 27500 |
| 10.971 | H | Radyo-2 (TRT FM) | 27500 |
| 10.971 | H | Thuthi FM-Tamil | 27500 |
| 10.971 | H | TSR Turkce | 27500 |
| 10.971 | H | Turizm Radyosu | 27500 |
| 10.971 | H | VOT West | 27500 |
| 10.971 | H | VOT World | 27500 |
| 10.992 | H | Baby TV | 27500 |
| 10.992 | V | Rai 4 | 27500 |
| 10.992 | V | Rai Africa | 27500 |
| 10.992 | V | Rai Due | 27500 |
| 10.992 | V | Rai Tre | 27500 |
| 10.992 | V | Rai Uno | 27500 |
| 10.992 | V | RAITALIA INTERNAT | 27500 |
| 10.992 | H | TIN + 18668336763 | 27500 |
| 10.992 | H | Al-Anwar | 27500 |
| 10.992 | H | Asianet Plus | 27500 |
| 10.992 | H | GOD TV | 27500 |
| 10.992 | H | LA8 | 27500 |
| 10.992 | H | LA9 | 27500 |
| 10.992 | H | MRTV / Univ TV | 27500 |
| 10.992 | H | Music Box Russia | 27500 |
| 10.992 | H | NTD TV | 27500 |
| 10.992 | H | Russia Today | 27500 |
| 10.992 | H | Suroyo tv | 27500 |
| 10.992 | H | Suryoyo Sat | 27500 |
| 10.992 | H | Telenova | 27500 |
| 10.992 | H | The Word Network | 27500 |
| 10.992 | H | TRT-INT | 27500 |
| 10.992 | H | Wind int. tv | 27500 |
| 10.992 | V | FD Leggera | 27500 |
| 10.992 | V | Multilingue 1 | 27500 |
| 10.992 | V | Multilingue 2 | 27500 |
| 10.992 | H | Nawa Kurd Radio | 27500 |
| 10.992 | H | R.jamawar_KSDP | 27500 |
| 10.992 | V | Radio OM unica | 27500 |
| 10.992 | V | Radio2 mono | 27500 |
| 10.992 | V | Radio3 mono | 27500 |
| 10.992 | H | Radyo-2 (TRT FM) | 27500 |
| 10.992 | V | SatelRadio | 27500 |
| 10.992 | H | Thuthi FM-Tamil | 27500 |
| 10.992 | H | TSR Turkce | 27500 |
| 10.992 | H | Turizm Radyosu | 27500 |
| 10.992 | H | VOT West | 27500 |
| 10.992 | H | VOT World | 27500 |
| 11.013 | H | 3CHANNEL | 27500 |
| 11.013 | H | AIT | 27500 |
| 11.013 | H | AL FAYHAA | 27500 |
| 11.013 | H | Angel TV | 27500 |
| 11.013 | H | Bridge TV | 27500 |
| 11.013 | H | CGN | 27500 |
| 11.013 | H | Cinquestelle | 27500 |
| ● 11.013 | H | EUROITALY | 27500 |
| 11.013 | H | Free channel | 27500 |
| 11.013 | H | Gali Kurdistan TV | 27500 |
| 11.013 | H | Marine Biz TV | 27500 |
| 11.013 | H | MTA International | 27500 |
| 11.013 | H | RU TV | 27500 |
| 11.013 | H | Rusiya Al-Yaum | 27500 |
| 11.013 | H | S24 | 27500 |
| 11.013 | H | SARAFAN | 27500 |
| 11.013 | H | TBM | 27500 |
| 11.013 | H | ULISSE | 27500 |
| 11.013 | H | VideoBergamo | 27500 |
| 11.013 | H | RUSSIAN RADIO | 27500 |
| ● 11.013 | H | EPersian Radio | 27500 |
| 11.013 | H | European Radio for B | 27500 |
| 11.013 | H | London Tamil Radio | 27500 |
| 11.013 | H | London TBC | 27500 |
| 11.013 | H | New Life Radio Russi | 27500 |
| 11.013 | H | R.Kurdistan | 27500 |
| 11.013 | H | RDK DUHOK | 27500 |
| 11.013 | H | Tamil ITR France | 27500 |
| 11.013 | H | Tamil Radio EU | 27500 |
| 11.013 | H | TAMIL RADIO TIR | 27500 |
| 11.034 | V | Berbere Television | 27500 |
| 11.034 | V | Boomerang | 27500 |
| 11.034 | V | MTV BASE | 27500 |
| 11.034 | V | Tele Melody | 27500 |
| 11.034 | V | W9 | 27500 |
| 11.034 | V | Aljazeera Intl | 27500 |
| ● 11.034 | V | AZTV | 27500 |
| 11.034 | V | CCTV9 | 27500 |
| 11.034 | V | Demain! | 27500 |
| 11.034 | V | M6 Boutique la chain | 27500 |
| 11.034 | V | RTR | 27500 |
| 11.034 | V | TELESUD | 27500 |
| 11.034 | V | Vesti | 27500 |
| 11.034 | V | Radio Berbere | 27500 |
| 11.054 | H | Akubis Classic | 27500 |
| 11.054 | H | Akubis Direkt | 27500 |
| 11.054 | H | bwtv | 27500 |
| 11.054 | H | Game One | 27500 |
| 11.054 | H | MTV France | 27500 |
| 11.054 | H | AKUBIS Special IG | 27500 |
| ● 11.054 | H | Al Beladi TV | 27500 |
| 11.054 | H | C TV Coptic CH | 27500 |
| 11.054 | H | Iran Beauty | 27500 |
| 11.054 | H | MI-TV | 27500 |
| 11.054 | H | RTL CH | 27500 |
| 11.054 | H | SRI TV | 27500 |
| 11.054 | H | tv PERSIA | 27500 |
| 11.054 | H | ZDF | 27500 |
| ● 11.075 | V | MTVNHD | 27500 |
| 11.075 | V | Comedy Central Polsk | 27500 |
| 11.075 | V | Comedy Central Polsk | 27500 |
| 11.075 | V | MTV 1 | 27500 |
| 11.075 | V | MTV Polska | 27500 |
| 11.075 | V | MTV Polska. | 27500 |
| 11.075 | V | Nickelodeon Euro | 27500 |
| 11.075 | V | VH1 | 27500 |
| 11.075 | V | VH1 Polska | 27500 |
| 11.075 | V | VH1 Polska. | 27500 |
| 11.075 | V | VIVA Polska | 27500 |
| 11.075 | V | VIVA Polska. | 27500 |
| 11.096 | H | AFN Family Channel | 28000 |
| 11.096 | H | AFN Freedom | 28000 |
| 11.096 | H | AFN Movie Channel | 28000 |
| 11.096 | H | AFN Vicenza Continge | 28000 |
| 11.096 | H | AFN Xtra/Time Code | 28000 |
| 11.096 | H | AFNS Contingency C | 28000 |
| 11.096 | H | Aviano | 28000 |
| 11.096 | H | Naples | 28000 |
| 11.096 | H | News/BrightAC/Coun | 28000 |
| 11.096 | H | Sigonella | 28000 |
| 11.096 | H | Vicenza | 28000 |
| 11.096 | H | Pentagon Channel | 28000 |
| 11.096 | H | AFN Freedom Radio | 28000 |
| 11.096 | H | Power - La Maddalena | 28000 |
| 11.096 | H | Power - Livorno | 28000 |
| 11.096 | H | Power - Naples | 28000 |
| 11.096 | H | Power - Sigonella | 28000 |
| 11.096 | H | Power 107 Vicenza | 28000 |
| 11.096 | H | Power-Vicenza | 28000 |
| 11.096 | H | The Eagle - Vicenza | 28000 |
| 11.096 | H | The Eagle - La Madda | 28000 |
| 11.096 | H | The Eagle - Livorno | 28000 |
| 11.096 | H | The Eagle - Naples | 28000 |
| 11.096 | H | The Eagle - Sigonell | 28000 |
| 11.096 | H | The Eagle Souda Bay | 28000 |
| 11.096 | H | The Eagle-Vicenza | 28000 |
| 11.137 | H | Motors TV | 27500 |
| 11.137 | H | ANN | 27500 |
| 11.137 | H | GEM TV | 27500 |
| 11.137 | H | Kurdistan TV | 27500 |
| 11.137 | H | RTB | 27500 |
| 11.137 | H | Starmarket | 27500 |
| ● 11.137 | H | The Lady Channel | 27500 |
| 11.137 | H | TV5MONDE EUROPE | 27500 |
| 11.137 | H | TV5MONDE FBS | 27500 |
| 11.137 | H | Videolina | 27500 |
| 11.158 | V | Polsat | 27500 |
| ● 11.158 | V | Polsat Cafe | 27500 |
| 11.158 | V | Polsat Sport | 27500 |
| 11.158 | V | Polsat Sport Extra | 27500 |
| 11.158 | V | Polsat2 | 27500 |
| 11.158 | V | Superstacja | 27500 |
| ● 11.158 | V | Test P | 27500 |
| 11.158 | V | TV4 | 27500 |
| 11.158 | V | Polsat News | 27500 |
| 11.158 | V | TV Biznes | 27500 |
| ● 11.179 | H | BTV INPS | 27500 |
| 11.179 | H | JSC Sport+1 | 27500 |
| 11.179 | H | JSC Sport+2 | 27500 |
| 11.179 | H | JSC Sport+3 | 27500 |
| 11.179 | H | Sisal TV | 27500 |
| 11.179 | H | GBR | 27500 |
| 11.179 | H | GLOBE MEDIA | 27500 |
| 11.179 | H | NEW TELEVISION | 27500 |
| 11.179 | H | Sensuality | 27500 |
| 11.179 | H | SixtyNine | 27500 |
| 11.179 | H | Studio Europa | 27500 |
| 11.179 | H | Super Tennis | 27500 |
| 11.179 | H | Telemarket | 27500 |
| 11.179 | H | Test Tv 5 Enc 05 | 27500 |
| 11.179 | H | TV Moda | 27500 |
| 11.200 | V | .Lolita | 27500 |
| 11.200 | V | ALL SEX | 27500 |
| 11.200 | V | Betting Channel | 27500 |
| 11.200 | V | EBC.1 | 27500 |
| 11.200 | V | ELITE SHOPPING | 27500 |
| 11.200 | V | Heaven TV | 27500 |
| ● 11.200 | V | Live Channel | 27500 |
| 11.200 | V | Made In Italy | 27500 |
| 11.200 | V | Mediatel | 27500 |
| 11.200 | V | MOTORI TV | 27500 |
| ● 11.200 | V | Napoli Nova | 27500 |
| 11.200 | V | ODEON SAT | 27500 |
| 11.200 | V | PEOPLE TV-RETE7 | 27500 |
| 11.200 | V | PLAY TV ITALIA | 27500 |
| 11.200 | V | ROMA SAT | 27500 |
| 11.200 | V | Sexy 1 | 27500 |
| ● 11.200 | V | Sport Channel | 27500 |
| 11.200 | V | STARSAT | 27500 |
| 11.200 | V | Telenord | 27500 |
| 11.200 | V | TLC SAT | 27500 |
| 11.200 | V | Trentino TV | 27500 |
| 11.200 | V | AfgSalamWatandar | 27500 |
| 11.200 | V | McDonalds | 27500 |
| 11.200 | V | R.Di per Di | 27500 |
| 11.200 | V | R.ONDA D'URTO | 27500 |
| 11.200 | V | Radio Billa | 27500 |
| 11.200 | V | Radio Expert | 27500 |
| 11.200 | V | Radio Intesa | 27500 |
| 11.200 | V | Radio Metro | 27500 |
| 11.200 | V | Radio Standa | 27500 |
| 11.200 | V | RADIO ZAINET | 27500 |
| 11.200 | V | Radioshora | 27500 |
| 11.566 | H | Church Channel | 27500 |
| ● 11.566 | H | DAYSTAR | 27500 |
| 11.566 | H | EL SHAFAA | 27500 |
| 11.566 | H | Inspiration | 27500 |
| 11.566 | H | JCTV | 27500 |
| 11.566 | H | NEJAT TV | 27500 |
| 11.566 | H | Smile of a Child | 27500 |
| ● 11.566 | H | Smile of a Child Rus | 27500 |
| 11.566 | H | TBN Europe | 27500 |
| 11.566 | H | TBN ITALIA | 27500 |
| 11.566 | H | TBN RUSSIA | 27500 |
| 11.566 | H | TBNEspain | 27500 |
| ● 11.585 | V | Private Spice | 27500 |
| 11.585 | V | TV GLOBO | 27500 |
| 11.585 | V | .Viva L'Italia Chann | 27500 |
| 11.585 | V | Ariana TV | 27500 |
| 11.585 | V | Ayngaran TV | 27500 |
| 11.585 | V | BFM TV | 27500 |
| 11.585 | V | E'TV Emilia Romagna | 27500 |
| 11.585 | V | EWTN UK | 27500 |
| 11.585 | V | Hope Channel | 27500 |
| 11.585 | V | Hope Channel 2 | 27500 |
| 11.585 | V | ISLAM TV | 27500 |
| 11.585 | V | NRJ 12 | 27500 |
| 11.585 | V | NRJ 12 HQ | 27500 |
| 11.585 | V | Payam | 27500 |
| 11.585 | V | RTS SAT | 27500 |
| 11.585 | V | Test Radio Globo | 27500 |
| 11.585 | V | Cherie FM | 27500 |
| 11.585 | V | Nostalgie | 27500 |
| 11.585 | V | NRJ | 27500 |
| 11.585 | V | Payam Quran | 27500 |
| 11.585 | V | Rire & Chansons | 27500 |
| 11.604 | H | ' ' Hot Arab Sex | 27500 |
| 11.604 | H | +18 Love Girls | 27500 |
| 11.604 | H | .arab babes | 27500 |
| 11.604 | H | 69ArabMomes | 27500 |
| 11.604 | H | 7'armanat Nar | 27500 |
| 11.604 | H | Ailaj TV | 27500 |
| 11.604 | H | Arab XXX | 27500 |
| 11.604 | H | arab-69.tv | 27500 |
| 11.604 | H | Arab-Jins | 27500 |
| 11.604 | H | ARD "Das Erste" | 27500 |
| 11.604 | H | ASO SAT | 27500 |
| 11.604 | H | DW-TV ARABIA | 27500 |
| 11.604 | H | DW-TV EUROPA | 27500 |
| 11.604 | H | Erde und Mensch | 27500 |
| 11.604 | H | IranMusic | 27500 |
| 11.604 | H | Italiamia | 27500 |
| 11.604 | H | KONTAKT CHANCE TV | 27500 |
| 11.604 | H | Lebnaniat TV. | 27500 |
| 11.604 | H | Love TV | 27500 |
| 11.604 | H | Napoli TLA | 27500 |
| ● 11.604 | H | Real Estate | 27500 |
| 11.604 | H | RTL 2 CH | 27500 |
| 11.604 | H | Sexy love girls | 27500 |
| 11.604 | H | Sexy Sexy TV | 27500 |
| 11.604 | H | Tele A | 27500 |
| 11.604 | H | Tele A+ | 27500 |
| ● 11.604 | H | TEST | 27500 |
| 11.604 | H | Wala3 Arab tv | 27500 |
| 11.604 | H | xxx Action TV | 27500 |
| 11.604 | H | DW-FEED1 | 27500 |
| 11.604 | H | DW-FM01 | 27500 |
| 11.604 | H | DW-FM02 | 27500 |
| 11.604 | H | DW-FM03 | 27500 |
| 11.604 | H | DW-FM04 | 27500 |
| 11.604 | H | DW-FM06 | 27500 |
| 11.604 | H | DW-FM07 | 27500 |
| 11.604 | H | DW-M | 27500 |
| 11.604 | H | DW01 | 27500 |
| 11.604 | H | DW02 | 27500 |
| 11.604 | H | DW04 | 27500 |
| 11.604 | H | DW05 | 27500 |
| 11.604 | H | DW06 | 27500 |
| 11.604 | H | DW08 | 27500 |
| 11.604 | H | DW09 | 27500 |
| 11.604 | H | RNW-4 | 27500 |
| 11.623 | V | KBS_WORLD | 27500 |
| 11.623 | V | 123_SAT | 27500 |
| 11.623 | V | Abu_dhabi_Sport | 27500 |
| 11.623 | V | ARTE | 27500 |
| 11.623 | V | Best_of_Shopping | 27500 |
| 11.623 | V | Carisma_TV | 27500 |
| 11.623 | V | Cartomanzia_LOTTO | 27500 |
| ● 11.623 | V | DAN TV | 27500 |
| 11.623 | V | ITALIA_CHANNEL | 27500 |
| ● 11.623 | V | ITALY ITALY | 27500 |
| 11.623 | V | K+ | 27500 |
| 11.623 | V | Nostradamus | 27500 |
| 11.623 | V | PIANETA | 27500 |
| 11.623 | V | RTL 102.5 TV | 27500 |
| 11.623 | V | TV_ROMANIA | 27500 |
| 11.623 | V | ARTE_Radio.com | 27500 |
| ● 11.623 | V | Dan Tamil Alai | 27500 |
| 11.623 | V | Guardia Costiera | 27500 |
| ● 11.623 | V | Israel 2000 | 27500 |
| 11.623 | V | Radio_Romania_Intern | 27500 |
| 11.623 | V | RadioClassica | 27500 |
| ● 11.623 | V | RCF | 27500 |
| 11.623 | V | Romania_In_direct | 27500 |
| 11.623 | V | RTL 102.5 | 27500 |
| 11.623 | V | RTL 102.5 HC | 27500 |
| 11.623 | V | RTL Classic | 27500 |
| 11.623 | V | RTL Italian Style | 27500 |
| ● 11.623 | V | TRT Tamil Olli | 27500 |
| 11.642 | H | Bloomberg Feeds (B | 27500 |
| 11.642 | H | Bloomberg Feeds (B | 27500 |
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| 11.642 | H | Bloomberg Feeds (E | 27500 |
| 11.642 | H | Bloomberg Feeds (Mir | 27500 |
| 11.642 | H | Bloomberg Feeds (S | 27500 |
| 11.642 | H | Bloomberg Feeds (S | 27500 |
| 11.642 | H | Bloomberg Feeds (Era | 27500 |
| 11.642 | H | Bloomberg Feeds (Era | 27500 |
| 11.642 | H | Bloomberg Feeds (Era | 27500 |
| 11.642 | H | Bloomberg Feeds (Era | 27500 |
| 11.642 | H | Bloomberg Feeds (Era | 27500 |
| 11.645 | H | Bloomberg French TV | 27500 |
| 11.645 | H | Bloomberg Italian TV | 27500 |
| 11.645 | H | Bloomberg Spain TV | 27500 |
| 11.645 | H | Bloomberg English TV | 27500 |
| 11.645 | H | Bloomberg European T | 27500 |
| 11.645 | H | Bloomberg German TV | 27500 |
| 11.645 | H | ERTSAT Europe | 27500 |
| 11.645 | H | Miracle TV | 27500 |
| 11.645 | H | SAT-7 KIDS | 27500 |
| 11.645 | H | SAT-7 PARS | 27500 |
| 11.645 | H | Era 1 | 27500 |
| 11.645 | H | Era 2 | 27500 |
| 11.645 | H | Era 3 | 27500 |
| 11.645 | H | Era 5 | 27500 |
| 11.645 | H | Era Sport | 27500 |
| ● 11.662 | V | CANAL + FAMILY | 27500 |
| ● 11.662 | V | Fun TV | 27500 |
| 11.662 | V | Infosport | 27500 |
| ● 11.662 | V | M6 Music Hits | 27500 |
| ● 11.662 | V | Paris Première | 27500 |
| ● 11.662 | V | Piwi | 27500 |
| ● 11.662 | V | Planète Juniors | 27500 |
| ● 11.662 | V | SPORT+ | 27500 |
| ● 11.662 | V | Série Club | 27500 |
| ● 11.662 | V | Teletoon Africa | 27500 |
| ● 11.662 | V | Télétoon | 27500 |
| ● 11.662 | V | Téva | 27500 |
| ● 11.662 | V | Radio FG | 27500 |
| 11.678 | H | AB MOTEURS | 27500 |
| 11.678 | H | AB1 | 27500 |
| 11.678 | H | ACTION | 27500 |
| 11.678 | H | ANIMAUX | 27500 |
| 11.678 | H | CHASSE & PECHE | 27500 |
| 11.678 | H | ENCYCLOPEDIA | 27500 |
| 11.678 | H | ESCALES | 27500 |
| 11.678 | H | Fit/Toute l'Histoire | 27500 |
| 11.678 | H | France 5 | 27500 |
| 11.678 | H | France ô | 27500 |
| 11.678 | H | LCP | 27500 |
| 11.678 | H | MANGAS | 27500 |
| 11.678 | H | RTL9 | 27500 |
| 11.678 | H | TF1 | 27500 |
| 11.678 | H | XXL | 27500 |
| 11.678 | H | XXL PL | 27500 |
| 11.678 | H | NT1 | 27500 |
| 11.678 | H | TISHK | 27500 |
| 12.520 | V | HRT PLUS | 27500 |
| 12.520 | V | HRT-TV2 | 27500 |
| ● 12.520 | V | CMC | 27500 |
| 12.520 | V | Health&Beauty TV | 27500 |
| 12.520 | V | HRT-TV1 | 27500 |
| 12.520 | V | Ishtar TV | 27500 |
| 12.520 | V | Italia 8 | 27500 |
| 12.520 | V | Jewels Sorg1 | 27500 |
| 12.520 | V | Jewels Sorg2 | 27500 |
| 12.520 | V | Jewels Sorg3 | 27500 |
| 12.520 | V | NOELLO SAT | 27500 |
| 12.520 | V | OASI TV | 27500 |
| 12.520 | V | RBC-TV | 27500 |
| 12.520 | V | TAXI CHANNEL | 27500 |
| 12.520 | V | DALMATIA | 27500 |
| 12.520 | V | HIT MREZA | 27500 |
| 12.520 | V | HKR | 27500 |
| 12.520 | V | HRT HR-Pula | 27500 |
| 12.520 | V | HRT-HR1 | 27500 |
| 12.520 | V | HRT-HR2 | 27500 |
| 12.520 | V | HRT-HR3 | 27500 |
| 12.520 | V | MEDIASERVIS | 27500 |
| 12.520 | V | Narodni radio | 27500 |
| 12.520 | V | OTVORENI | 27500 |
| 12.520 | V | PEVEC RADIO | 27500 |
| 12.520 | V | R MIR M | 27500 |
| 12.520 | V | Radio Banovina | 27500 |
| 12.520 | V | RADIO MARIJA | 27500 |
| 12.520 | V | RKC | 27500 |
| 12.520 | V | VOICE OF CRO | 27500 |
| 12.539 | H | A3 | 27500 |
| 12.539 | H | Blu3 | 27500 |
| 12.539 | H | BLUTV | 27500 |
| 12.539 | H | Canal Algerie | 27500 |
| 12.539 | H | CARPE DIEM | 27500 |
| 12.539 | H | DIRECT 8 | 27500 |
| 12.539 | H | GENIUS TV | 27500 |
| 12.539 | H | MEDIOLANUM | 27500 |
| 12.539 | H | Nile News | 27500 |
| 12.539 | H | Nile TV Internationa | 27500 |
| 12.539 | H | RETE ORO | 27500 |
| 12.539 | H | Sports | 27500 |
| 12.539 | H | TV8 Mt Blanc | 27500 |
| 12.539 | H | TVA Vicenza | 27500 |
| 12.539 | H | Al moagehat | 27500 |
| 12.539 | H | Chaine 1 | 27500 |
| 12.539 | H | Chaine 2 | 27500 |
| 12.539 | H | Chaine 3 | 27500 |
| 12.539 | H | El Shark El Awsat | 27500 |
| ● 12.558 | V | Administra.it - FLTV | 27500 |
| 12.558 | V | AL JAZEERA CHILDR | 27500 |
| 12.558 | V | EDUSAT | 27500 |
| 12.558 | V | POLONIA1 | 27500 |
| ● 12.558 | V | T. R. Padre Pio | 27500 |
| 12.558 | V | TELE5 | 27500 |
| ● 12.558 | V | TELELOTTO | 27500 |
| 12.577 | H | M6 | 27500 |
| ● 12.577 | H | Orange cine choc | 27500 |
| ● 12.577 | H | Orange cine geants | 27500 |
| ● 12.577 | H | Orange cine happy | 27500 |
| ● 12.577 | H | Orange cine max | 27500 |
| ● 12.577 | H | Orange cine novo | 27500 |
| ● 12.577 | H | Orange cinema series | 27500 |
| ● 12.577 | H | Orange Sport | 27500 |
| 12.597 | V | JSTV1 | 27500 |
| 12.597 | V | JSTV2 | 27500 |
| 12.597 | V | 1TVRUS Europe | 27500 |
| 12.597 | V | ARM_1 | 27500 |
| 12.597 | V | BBC World News | 27500 |
| 12.597 | V | CNNi | 27500 |
| 12.597 | V | Euronews | 27500 |
| 12.597 | V | Planeta Sport | 27500 |
| 12.597 | V | AWR Radio 128Kbit | 27500 |
| 12.597 | V | Family Europe | 27500 |
| 12.597 | V | Family Int 1 | 27500 |
| 12.597 | V | Family Int 2 | 27500 |
| 12.597 | V | GBTS1 | 27500 |
| 12.597 | V | GBTS2 | 27500 |
| 12.597 | V | GBTS3 | 27500 |
| ● 12.597 | V | GBTS4 | 27500 |
| ● 12.597 | V | GBTS5 | 27500 |
| ● 12.597 | V | GBTS6 | 27500 |
| ● 12.597 | V | GBTS7 | 27500 |
| 12.597 | V | IBC TAMIL RADIO | 27500 |
| 12.597 | V | PEC 3 RRI 3 | 27500 |
| 12.597 | V | PRA Radio | 27500 |
| 12.597 | V | Radio New Hope | 27500 |
| 12.597 | V | RCI 1 | 27500 |
| 12.597 | V | RCI 2 | 27500 |
| 12.597 | V | RCI 3 | 27500 |
| 12.597 | V | RD1_Radio_ARMENIA | 27500 |
| 12.597 | V | RTE | 27500 |
| 12.597 | V | Sedayelran | 27500 |
| 12.597 | V | The Voice | 27500 |
| 12.597 | V | WRN Deutsch | 27500 |
| 12.597 | V | WRN English | 27500 |
| 12.597 | V | WRN Events | 27500 |
| 12.597 | V | WRN Francais | 27500 |
| 12.597 | V | WRN Russkij | 27500 |
| 12.597 | V | WRN Sawt Al Alam | 27500 |
| ● 12.597 | V | WRN Special | 27500 |
| 12.597 | V | YLESAT 1 | 27500 |
| 12.597 | V | YLESAT 2 | 27500 |

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| Freq GHz | Pol | Channel Name | Symbol rate |
|---|---|---|---|
| 11.470 | V | Nick Polska | 27500 |
| 11.470 | V | Andisheh | 27500 |
| 11.470 | V | Ariana | 27500 |
| 11.470 | V | BET NAHRAIN | 27500 |
| 11.470 | V | Channel 6 | 27500 |
| 11.470 | V | ICC TV | 27500 |
| 11.470 | V | IRAN | 27500 |
| 11.470 | V | IRAN.MNTV | 27500 |
| 11.470 | V | JAAM E JAM | 27500 |
| 11.470 | V | Mktv Sat | 27500 |
| 11.470 | V | MOHABAT TV | 27500 |
| 11.470 | V | OMID E IRAN | 27500 |
| ● 11.470 | V | OU | 27500 |
| 11.470 | V | PEN TV | 27500 |
| 11.470 | V | PROPHETIC | 27500 |
| 11.470 | V | RIKSAT | 27500 |
| 11.470 | V | SALAAM TV | 27500 |
| 11.470 | V | TAPESH | 27500 |
| 11.470 | V | Tasvir Iran | 27500 |
| 11.470 | V | CYFRA+ GRY | 27500 |
| 11.470 | V | CYFRA+ GRY2 | 27500 |
| 11.470 | V | INFO+ | 27500 |
| 11.470 | V | Music Ch. Dance | 27500 |
| 11.470 | V | Music Ch. Oldies | 27500 |
| 11.470 | V | Music Ch. Rock | 27500 |
| 11.470 | V | Music Ch. Swiat | 27500 |
| 11.470 | V | Music Ch. Urban | 27500 |
| 11.470 | V | Music Choice 1 | 27500 |
| 11.470 | V | Music Choice 2 | 27500 |
| 11.470 | V | Music Choice 3 | 27500 |
| 11.470 | V | Music Choice 4 | 27500 |
| 11.470 | V | Music Choice 5 | 27500 |
| 11.470 | V | Music Choice 6 | 27500 |
| 11.470 | V | Music Choice 7 | 27500 |
| 11.470 | V | Music Choice Pop | 27500 |
| 11.470 | V | MusicC. Klasyka | 27500 |
| 11.470 | V | Bahai Radio | 27500 |
| 11.470 | V | Makedonsko Radio | 27500 |
| 11.470 | V | Radio Mojdeh | 27500 |
| 11.541 | V | ESP2 Hungary | 22000 |
| 11.541 | V | ESP2 Romania | 22000 |
| 11.541 | V | NATIONAL GEO | 22000 |
| 11.541 | V | 50 Canale | 22000 |
| 11.541 | V | BERGAMOSAT | 22000 |
| 11.541 | V | La Nuova TV | 22000 |
| 11.541 | V | ROMAUNO | 22000 |
| 11.541 | V | Sardegna Channel | 22000 |
| 11.541 | V | TeleTirreno | 22000 |
| 11.541 | V | THOU TV | 22000 |
| 11.541 | V | Toscana Channel | 22000 |
| 11.541 | V | TV7 LOMBARDIA | 22000 |
| 11.541 | V | Umbria Channel | 22000 |
| ● 11.541 | V | YOUDEM | 22000 |
| 11.541 | V | CAPITAL | 22000 |
| 11.541 | V | DEEJAY | 22000 |
| 11.541 | V | DISCORADIO | 22000 |
| 11.541 | V | Global-Mir | 22000 |
| 11.541 | V | KISS KISS RADIO | 22000 |
| 11.541 | V | LifeGate | 22000 |
| 11.541 | V | M DUE O | 22000 |
| 11.541 | V | Millennium Radio | 22000 |
| 11.541 | V | R.BuonConsiglio | 22000 |
| 11.541 | V | R.S.F. inBlu | 22000 |
| 11.541 | V | R101 | 22000 |
| 11.541 | V | Radio 24 | 22000 |
| ● 11.541 | V | RADIO CENTRO95 | 22000 |
| 11.541 | V | RADIO CUORE | 22000 |
| 11.541 | V | RADIO CUORE DUE | 22000 |
| 11.541 | V | RADIO GYE NYAME | 22000 |
| 11.541 | V | Radio Iglesias | 22000 |
| 11.541 | V | RADIO KOLBE | 22000 |
| 11.541 | V | Radio Padre Pio | 22000 |
| 11.541 | V | VIRGIN RADIO | 22000 |
| 11.727 | V | An Planet | 27500 |
| 11.727 | V | Disc Chnl | 27500 |
| 11.727 | V | Disc Civ | 27500 |
| 11.727 | V | Disc Science | 27500 |
| 11.727 | V | Trav + Leisure | 27500 |
| 11.727 | V | BBC Arabic | 27500 |
| 11.727 | V | Infochannel | 27500 |
| 11.727 | V | Sardegna Uno | 27500 |
| 11.727 | V | Sardinia | 27500 |
| 11.727 | V | SET | 27500 |
| 11.727 | V | Sicilia Int | 27500 |
| 11.727 | V | Telefortune | 27500 |
| 11.727 | V | Thendral | 27500 |
| 11.727 | V | TRSP | 27500 |
| 11.727 | V | Zagros Tv | 27500 |
| 11.727 | V | BBC Albanian | 27500 |
| 11.727 | V | BBC Arabic | 27500 |
| 11.727 | V | BBC Azeri | 27500 |
| 11.727 | V | BBC Balkans | 27500 |
| 11.727 | V | BBC English (Europe) | 27500 |
| 11.727 | V | BBC English Mid-Ea | 27500 |
| 11.727 | V | BBC English News | 27500 |
| 11.727 | V | BBC Feed 1 | 27500 |
| 11.727 | V | BBC Feed 2 | 27500 |
| 11.727 | V | BBC Feed 3 | 27500 |
| 11.727 | V | BBC Feed 4 | 27500 |
| 11.727 | V | BBC Feed 5 | 27500 |
| 11.727 | V | BBC Feed 6 | 27500 |
| 11.727 | V | BBC Persian | 27500 |
| 11.727 | V | BBC Romanian | 27500 |
| 11.727 | V | BBC Russian | 27500 |
| 11.727 | V | BBC Turkish | 27500 |
| 11.727 | V | BBC Ukrainian | 27500 |
| 11.727 | V | Zagros Radio | 27500 |
| 11.766 | V | RAI1 | 27500 |
| 11.766 | V | RAI2 | 27500 |
| 11.766 | V | RAI3 | 27500 |
| 11.766 | V | RaiEdu2 | 27500 |
| 11.766 | V | RaiMed | 27500 |
| 11.766 | V | Senato | 27500 |
| 11.766 | V | FD leggera | 27500 |
| 11.766 | V | Notturno italiano | 27500 |
| 11.785 | H | Al-Hayat | 27500 |
| 11.785 | H | BODY TIME TV | 27500 |
| 11.785 | H | Canal 24 Horas | 27500 |
| 11.785 | H | Didar Global TV | 27500 |
| 11.785 | H | GAY.TV | 27500 |
| ● 11.785 | H | HOMEDROM | 27500 |
| 11.785 | H | ICTIMAI TV | 27500 |
| 11.785 | H | IPN | 27500 |
| 11.785 | H | KontaktChance.TV | 27500 |
| 11.785 | H | MARE TV | 27500 |
| 11.785 | H | PARS TV | 27500 |
| 11.785 | H | Payame Afghan | 27500 |
| 11.785 | H | R1 | 27500 |
| 11.785 | H | RAINBOW | 27500 |
| 11.785 | H | STRAVINCI TV | 27500 |
| 11.785 | H | TAK TV | 27500 |
| 11.785 | H | TVE Internacional | 27500 |
| 11.785 | H | TVE Internacional As | 27500 |
| 11.785 | H | Radio 1 | 27500 |
| 11.785 | H | Radio 3 | 27500 |
| 11.785 | H | Radio 4 | 27500 |
| 11.785 | H | Radio 5 | 27500 |
| 11.785 | H | Radio Clasica | 27500 |
| 11.785 | H | Radio Exterior | 27500 |
| 11.785 | H | RNE Contribucion | 27500 |
| 11.804 | V | Camera Deputati | 27500 |
| 11.804 | V | Rai Edu1 | 27500 |
| 11.804 | V | Rai Gulp | 27500 |
| 11.804 | V | RAI Sport più | 27500 |
| 11.804 | V | Rai Test HD | 27500 |
| 11.804 | V | RaiNettunoSat1 | 27500 |
| 11.804 | V | RaiNettunoSat2 | 27500 |
| 11.804 | V | RaiNotizie24 | 27500 |
| 11.804 | V | SAT2000 | 27500 |
| 11.804 | V | BLUSAT2000 | 27500 |
| 11.804 | V | DAB | 27500 |
| 11.804 | V | FD auditorium | 27500 |
| 11.804 | V | GR Parlam. | 27500 |
| 11.804 | V | Isoradio | 27500 |
| 11.804 | V | Radio Vaticana | 27500 |
| 11.804 | V | RADIODUE | 27500 |
| 11.804 | V | RADIOTRE | 27500 |
| 11.804 | V | RADIOUNO | 27500 |
| 11.823 | H | ALPHA TV | 27500 |
| 11.823 | H | ALTER | 27500 |
| 11.823 | H | ANT-1 | 27500 |
| 11.823 | H | JETIX | 27500 |
| 11.823 | H | MEGA | 27500 |
| 11.823 | H | novacinema1 | 27500 |
| 11.823 | H | novasports1 | 27500 |
| 11.823 | H | novasports1 Cy | 27500 |
| 11.823 | H | R1 | 27500 |
| 11.823 | H | R11 | 27500 |
| 11.823 | H | R12 | 27500 |
| 11.823 | H | R13 | 27500 |
| 11.823 | H | R3 | 27500 |
| 11.823 | H | R4 | 27500 |
| 11.823 | H | R5 | 27500 |
| 11.823 | H | R6 | 27500 |
| 11.823 | H | STAR | 27500 |
| 11.823 | H | DS Test | 27500 |
| 11.823 | H | Greek Church | 27500 |
| 11.823 | H | Love Radio | 27500 |
| 11.823 | H | Melodi Radio | 27500 |
| 11.823 | H | RR1 | 27500 |
| 11.823 | H | RR3 | 27500 |
| 11.823 | H | Skai Radio | 27500 |
| 11.823 | H | SSExtra 1 | 27500 |
| 11.823 | H | Test2 | 27500 |
| 11.842 | V | Caccia e Pesca | 27500 |
| 11.842 | V | Fox Crime +1 | 27500 |
| 11.842 | V | Jimmy | 27500 |
| 11.842 | V | MotoTV | 27500 |
| 11.842 | V | Yacht & Sail | 27500 |
| 11.842 | V | SKY Inside | 27500 |
| 11.842 | V | SKY Play IT | 27500 |
| 11.842 | V | SKY Sound | 27500 |
| 11.861 | H | Animal Planet | 27500 |
| ● 11.861 | H | Class CNBC | 27500 |
| 11.861 | H | Comedy Central | 27500 |
| 11.861 | H | Discovery | 27500 |
| 11.861 | H | Discovery Real Time | 27500 |
| 11.861 | H | NASN | 27500 |
| 11.861 | H | Nickelodeon | 27500 |
| 11.861 | H | Raisat Cinema | 27500 |
| 11.861 | H | Raisat Gambero | 27500 |
| 11.861 | H | Raisat YOYO | 27500 |
| 11.861 | H | Rock TV | 27500 |
| 11.861 | H | VideoItalia | 27500 |
| 11.880 | V | Alice | 27500 |
| 11.880 | V | Fantasy | 27500 |
| 11.880 | V | Fox +1 | 27500 |
| 11.880 | V | Leonardo | 27500 |
| 11.880 | V | Marcopolo | 27500 |
| 11.880 | V | NatGeo Wild | 27500 |
| 11.880 | V | Nuvolari | 27500 |
| 11.880 | V | IEPG Data | 27500 |
| 11.900 | H | AXN | 27500 |
| ● 11.900 | H | DeAKids | 27500 |
| 11.900 | H | Disney Ch. +1 | 27500 |
| 11.900 | H | Inter Channel | 27500 |
| 11.900 | H | Juventus Channel | 27500 |
| 11.900 | H | Matchmusic | 27500 |
| 11.900 | H | MTV | 27500 |
| 11.900 | H | Playhouse Disney | 27500 |
| 11.900 | H | Raisat Premium | 27500 |
| 11.900 | H | Raisat Smash | 27500 |
| 11.900 | H | RaisatExtra | 27500 |
| 11.900 | H | Toon Disney | 27500 |
| 11.919 | V | Test | 27500 |
| 11.919 | V | Canale 5 | 27500 |
| 11.919 | V | Italia 1 | 27500 |
| 11.919 | V | Mediashopping | 27500 |
| 11.919 | V | Retequattro | 27500 |
| 11.919 | V | Radio Mater | 27500 |
| 11.938 | H | ALFA | 27500 |
| ● 11.938 | H | Boomerang | 27500 |
| 11.938 | H | Chasse & Peche | 27500 |
| 11.938 | H | E! Entertainment | 27500 |
| 11.938 | H | LTV | 27500 |
| ● 11.938 | H | Motors  TV | 27500 |
| 11.938 | H | novacinema3 | 27500 |
| 11.938 | H | novacinema3 Cy | 27500 |
| 11.938 | H | novasports highlight | 27500 |
| 11.938 | H | novasports4 | 27500 |
| 11.938 | H | novasports4 Cy | 27500 |
| 11.938 | H | novasports6 | 27500 |
| 11.938 | H | novasports6 Cy | 27500 |
| 11.938 | H | Playboy TV | 27500 |
| 11.938 | H | Playboy TV Cy | 27500 |
| 11.938 | H | Private Spice | 27500 |
| 11.938 | H | Private Spice Cy | 27500 |
| 11.938 | H | The History Channel | 27500 |
| 11.938 | H | Nova Promo | 27500 |
| 11.938 | H | Mad Radio | 27500 |
| 11.938 | H | ol5 | 27500 |
| 11.958 | V | iadv Video | 27500 |
| 11.958 | V | SKY Sport 1 | 27500 |
| 11.958 | V | SKY Sport 2 | 27500 |
| 11.958 | V | Sky Sport 24 | 27500 |
| 11.958 | V | SKY SuperCalcio | 27500 |
| 11.958 | V | Sport Active 1 | 27500 |
| 11.958 | V | Sports Active 2 | 27500 |
| 11.958 | V | Sports Active 3 | 27500 |
| 11.976 | H | Cartoon Network | 27500 |
| 11.976 | H | Cooltoon | 27500 |
| 11.976 | H | Cult | 27500 |
| 11.976 | H | Fox Crime | 27500 |
| 11.976 | H | Fox Life | 27500 |
| 11.976 | H | Fox News | 27500 |
| 11.976 | H | History +1 | 27500 |
| 11.976 | H | Jetix | 27500 |
| 11.976 | H | NatGeoAdventur | 27500 |
| 11.976 | H | NationalGeo +1 | 27500 |
| 11.976 | H | Sky News | 27500 |
| 11.996 | V | SKY Cinema HD | 27500 |
| 11.996 | V | SKY Sport HD 1 | 27500 |
| 11.996 | V | SKY Sport HD 2 | 27500 |
| 11.996 | V | NationalGeo HD | 27500 |
| 11.996 | V | Next HD | 27500 |
| 12.015 | H | ART CINEMA - ARAB | 27500 |
| 12.015 | H | ART HEKAYAT - ARA | 27500 |
| 12.015 | H | ART HEKAYAT ZAMAN | 27500 |
| 12.015 | H | ART MOVIES - ARAB | 27500 |
| 12.015 | H | ART MOVIES2 - ARA | 27500 |
| 12.015 | H | ART PRIME SPORT - | 27500 |
| 12.015 | H | ART SPORT 1 - ARA | 27500 |
| 12.015 | H | ART SPORT 2 - ARA | 27500 |
| 12.015 | H | ART SPORT 3 - ARA | 27500 |
| 12.015 | H | ART SPORT 4 - ARA | 27500 |
| ● 12.015 | H | ART SPORT 5 - ARA | 27500 |
| ● 12.015 | H | ART SPORT 6 - ARA | 27500 |
| 12.015 | H | ART- ARABESQUE | 27500 |
| 12.015 | H | LBC EUROPE - ARAB | 27500 |
| 12.015 | H | FUTURE NEWS - ARA | 27500 |
| 12.015 | H | IQRAA - ARABESQUE | 27500 |
| ● 12.034 | V | DeAKids +1 | 27500 |
| 12.034 | V | Disney Channel | 27500 |
| 12.034 | V | E! | 27500 |
| ● 12.034 | V | iadv Amici | 27500 |
| 12.034 | V | SKY Calcio 1 | 27500 |
| 12.034 | V | SKY Mania | 27500 |
| 12.034 | V | SKY Max | 27500 |
| 12.034 | V | SKY Show | 27500 |
| 12.034 | V | SKYCinema 1 | 27500 |
| 12.034 | V | SKYCinema 3 | 27500 |
| 12.054 | H | BBC Prime | 27500 |
| 12.054 | H | Bloomberg | 27500 |
| 12.054 | H | Discovery Sci | 27500 |
| 12.054 | H | ESPN Classic | 27500 |
| 12.054 | H | Eurosport | 27500 |
| 12.054 | H | Eurosport 2 | 27500 |
| 12.054 | H | EurosportNews | 27500 |
| 12.054 | H | SKY Sport 3 | 27500 |
| 12.054 | H | SKY Vivo | 27500 |
| 12.054 | H | Sportitalia | 27500 |
| 12.072 | V | Prima Fila 11 | 27500 |
| 12.072 | V | Prima Fila 13 | 27500 |
| 12.072 | V | Prima Fila 20 | 27500 |
| 12.072 | V | Prima Fila 22 | 27500 |
| 12.072 | V | Prima Fila 28 | 27500 |
| 12.072 | V | Prima Fila 30 | 27500 |
| 12.072 | V | Prima Fila 5 | 27500 |
| 12.072 | V | SKY Calcio 2 | 27500 |
| 12.072 | V | SKY Calcio 3 | 27500 |
| 12.072 | V | SKY Calcio 4 | 27500 |
| 12.072 | V | SKY Calcio 5 | 27500 |
| 12.072 | V | SKY Calcio 6 | 27500 |
| 12.072 | V | SKY Calcio 7 | 27500 |
| 12.072 | V | SKY Calcio 8 | 27500 |
| 12.092 | H | Don t Panic TV | 27500 |
| 12.092 | H | MCT Fantasy-Amateur | 27500 |
| 12.092 | H | MCT Gay-Trans | 27500 |
| 12.092 | H | MCT Gold | 27500 |
| 12.092 | H | MCT Lux-Best | 27500 |
| 12.092 | H | MCT Premium | 27500 |
| 12.092 | H | MCT Reality-Blu | 27500 |
| 12.092 | H | MCT Sct | 27500 |
| 12.092 | H | MCT Sex | 27500 |
| 12.092 | H | MCT Strong | 27500 |
| 12.092 | H | MCT Super-Dream | 27500 |
| 12.092 | H | TELEITALIA | 27500 |
| ● 12.092 | H | DM ARABIA | 27500 |
| ● 12.092 | H | DM EUROPE | 27500 |
| 12.092 | H | Musicam 1 | 27500 |
| 12.092 | H | Musicam 2 | 27500 |
| 12.092 | H | Musicam 3 | 27500 |
| 12.092 | H | Musicam 4 | 27500 |
| 12.092 | H | Musicam 5 | 27500 |
| 12.092 | H | Musicam 6 | 27500 |
| 12.111 | V | ACM Channel | 27500 |
| 12.111 | V | AL JAZEERA | 27500 |
| 12.111 | V | AlJazeera Documentar | 27500 |
| 12.111 | V | AlJazeera Mubasher | 27500 |
| 12.111 | V | HIGH LIFE TV | 27500 |
| 12.111 | V | MediterraneoSat | 27500 |
| 12.111 | V | Puglia Channel | 27500 |
| 12.111 | V | Radio Radio Tv | 27500 |
| 12.111 | V | Sicilia Channel | 27500 |
| 12.111 | V | Telefoggia | 27500 |
| 12.111 | V | Telemarket 2 | 27500 |
| 12.111 | V | Telereporter | 27500 |
| 12.111 | V | ANNI 60 | 27500 |
| 12.111 | V | DimSuono Roma | 27500 |
| 12.111 | V | Popolare | 27500 |
| 12.111 | V | R-Radio | 27500 |
| 12.111 | V | R.Italia S.m.i. | 27500 |
| 12.111 | V | R.Maria | 27500 |
| 12.111 | V | R.Speranza | 27500 |
| 12.111 | V | Radio Eurospin | 27500 |
| 12.111 | V | RADIO PADANIA | 27500 |
| 12.111 | V | Radio Padania IP | 27500 |
| 12.111 | V | Radio Radicale | 27500 |
| ● 12.111 | V | Radio Test | 27500 |
| 12.111 | V | Radio ZETA | 27500 |
| 12.111 | V | RDS | 27500 |
| 12.111 | V | Vietnamese PR | 27500 |
| 12.149 | V | CCTV4 | 27500 |
| 12.149 | V | DunaTV | 27500 |
| 12.149 | V | FUEGO | 27500 |
| 12.149 | V | Khabar TV | 27500 |
| 12.149 | V | LIDER TV AZE | 27500 |
| 12.149 | V | Nessuno TV | 27500 |
| 12.149 | V | POKER TV | 27500 |
| 12.149 | V | SALENTO CHANNEL | 27500 |
| 12.149 | V | STUDIO 100 TV | 27500 |
| 12.149 | V | Telelombardia | 27500 |
| 12.149 | V | TR2SAT | 27500 |
| 12.149 | V | TV7 Tunis | 27500 |
| 12.149 | V | Ecoradio | 27500 |
| 12.149 | V | MR1-Kossuth | 27500 |
| 12.149 | V | MR2-Petofi | 27500 |
| 12.149 | V | MR4/MR5 | 27500 |
| 12.149 | V | R.Citta Futura | 27500 |
| 12.149 | V | R.Tunisie Culture | 27500 |
| 12.149 | V | R.Tunisie Internatio | 27500 |
| 12.149 | V | R.Tunisie Nationale | 27500 |
| 12.149 | V | Radio 6 | 27500 |
| 12.149 | V | Radio Spazio Aperto | 27500 |
| 12.149 | V | ReteSport | 27500 |
| 12.169 | H | Cartoon | 27500 |
| 12.169 | H | Discovery Channel | 27500 |
| 12.169 | H | ET-1 | 27500 |
| 12.169 | H | ET-3 | 27500 |
| 12.169 | H | MACEDONIA TV | 27500 |
| 12.169 | H | MAD T.V | 27500 |
| 12.169 | H | MAD TV | 27500 |
| 12.169 | H | NET | 27500 |
| 12.169 | H | novasports2 | 27500 |
| 12.169 | H | novasports2 Cy | 27500 |
| 12.169 | H | novasports7 | 27500 |
| 12.169 | H | novasports7 Cy | 27500 |
| 12.169 | H | R10 | 27500 |
| 12.169 | H | R14 | 27500 |
| 12.169 | H | R15 | 27500 |
| 12.169 | H | R7 | 27500 |
| 12.169 | H | R8 | 27500 |
| 12.169 | H | R9 | 27500 |
| 12.169 | H | SIGMA SPORTS 1 | 27500 |
| 12.169 | H | SKAI TV | 27500 |
| 12.169 | H | TCM | 27500 |
| 12.169 | H | Βουλή | 27500 |
| 12.169 | H | ERA SPORT | 27500 |
| 12.169 | H | ERA1 | 27500 |
| 12.169 | H | ERA2 | 27500 |
| 12.169 | H | ERA3 | 27500 |
| 12.169 | H | MAD MUSIC Hits G | 27500 |
| 12.169 | H | Mad Music Seasonal | 27500 |
| 12.169 | H | MAD MUSIC Greek | 27500 |
| 12.169 | H | Mad Music Greek Cy | 27500 |
| 12.169 | H | Mad Music Hits GR | 27500 |
| 12.169 | H | MAD MUSIC My Rock | 27500 |
| 12.169 | H | Mad Music My Rock Cy | 27500 |
| 12.169 | H | MAD MUSIC Rebetico | 27500 |
| 12.169 | H | Mad Music Rebetico C | 27500 |
| 12.169 | H | MAD MUSIC Seasonal | 27500 |
| 12.188 | V | AXN | 27500 |
| 12.188 | V | AXN Crime | 27500 |
| 12.188 | V | AXN Sci-Fi | 27500 |
| 12.188 | V | Cinemax2 | 27500 |
| 12.188 | V | Discovery | 27500 |
| 12.188 | V | ESPN | 27500 |
| 12.188 | V | Extreme Sports | 27500 |
| 12.188 | V | FoxLife | 27500 |
| 12.188 | V | Jetix | 27500 |
| ● 12.188 | V | Polsat Play | 27500 |
| 12.188 | V | TVP1 | 27500 |
| 12.188 | V | TVP2 | 27500 |
| 12.188 | V | Zone Romantica | 27500 |
| 12.188 | V | EpgOpenTV | 27500 |
| 12.207 | H | Free-X TV | 27500 |
| 12.207 | H | FREE-XTV 2 | 27500 |
| 12.207 | H | XDream TV | 27500 |
| 12.207 | H | 3ABN International | 27500 |
| 12.207 | H | Arirang TV | 27500 |
| 12.207 | H | Asianet | 27500 |
| 12.207 | H | CNL | 27500 |
| 12.207 | H | F men | 27500 |
| 12.207 | H | Fashion TV | 27500 |
| 12.207 | H | KICC TV | 27500 |
| 12.207 | H | KURDsat | 27500 |
| 12.207 | H | Newroz | 27500 |
| 12.207 | H | Rojhelat | 27500 |
| 12.207 | H | SAMA FM TV | 27500 |
| 12.207 | H | TCT | 27500 |
| 12.207 | H | Thai Global Network | 27500 |
| 12.207 | H | VTV4 | 27500 |
| 12.207 | H | 3ABN Radio | 27500 |
| 12.207 | H | Hornafrik Somalia | 27500 |
| 12.207 | H | Music Box Radio | 27500 |
| 12.207 | H | neo zwei | 27500 |
| 12.207 | H | Overcomer Radio | 27500 |
| ● 12.207 | H | Radio Jazz Internati | 27500 |
| 12.207 | H | Rang A Rang radio | 27500 |
| ● 12.207 | H | ROCK NATION | 27500 |
| 12.207 | H | TGN Radio | 27500 |
| 12.207 | H | VOV Radio | 27500 |
| 12.226 | H | Free-X TV | 27500 |
| 12.226 | H | FREE-XTV 2 | 27500 |
| 12.226 | H | XDream TV | 27500 |
| 12.226 | H | 3ABN International | 27500 |
| 12.226 | H | Arirang TV | 27500 |
| 12.226 | H | Asianet | 27500 |
| 12.226 | H | CNL | 27500 |
| ● 12.226 | V | DOS TV 340 | 27500 |
| 12.226 | H | F men | 27500 |
| 12.226 | H | Fashion TV | 27500 |
| 12.226 | V | IBB OS Download 8 | 27500 |
| 12.226 | V | IBB OS Download 9 | 27500 |
| 12.226 | V | IBB TV Dedicated C | 27500 |
| 12.226 | V | IBB VOA RFERL Rad | 27500 |
| 12.226 | V | IBB VOA RFERL Rad | 27500 |
| 12.226 | V | IBB VOA RFERL Rad | 27500 |
| 12.226 | V | IBB VOA RFERL Rad | 27500 |
| 12.226 | V | IBB VOA RFERL Rad | 27500 |
| 12.226 | V | IBB VOA RFERL Rad | 27500 |
| 12.226 | V | IBB VOA RFERL Rad | 27500 |
| 12.226 | V | IBB VOA RFERL Rad | 27500 |
| 12.226 | V | IBB VOA RFERL Rad | 27500 |
| 12.226 | V | IBB VOA RFERL Rad | 27500 |
| 12.226 | V | IBB VOA RFERL Rad | 27500 |
| 12.226 | V | IBB VOA RFERL Rad | 27500 |
| 12.226 | V | IBB VOA RFERL Rad | 27500 |
| 12.226 | V | IBB VOA RFERL Rad | 27500 |
| 12.226 | V | IBB VOA RFERL Rad | 27500 |
| 12.226 | V | IBB VOA RFERL Rad | 27500 |
| 12.226 | H | KICC TV | 27500 |
| 12.226 | H | KURDsat | 27500 |
| ● 12.226 | V | MTN-E TV 190 | 27500 |
| 12.226 | H | Newroz | 27500 |
| 12.226 | H | Rojhelat | 27500 |
| 12.226 | H | SAMA FM TV | 27500 |
| 12.226 | H | TCT | 27500 |
| 12.226 | H | Thai Global Network | 27500 |
| 12.226 | V | VOA Music Mix 260 | 27500 |
| 12.226 | V | VOA Music Mix 261 | 27500 |
| 12.226 | V | VOA Music Mix 262 | 27500 |
| 12.226 | V | VOA Music Mix 268 | 27500 |
| 12.226 | V | VOA Persian TV 295 | 27500 |
| 12.226 | V | VOA Persian TV 298 | 27500 |
| 12.226 | V | VOA TV 1 (HB1-8) | 27500 |
| 12.226 | V | VOA TV 100 (HB1-4) | 27500 |
| 12.226 | V | VOA TV 240 (HB1-8) | 27500 |
| 12.226 | V | VOA TV 241 (HB1-2, | 27500 |
| 12.226 | V | VOA TV 242 (HB1-2, | 27500 |
| 12.226 | V | VOA TV 250 (HB1-8) | 27500 |
| 12.226 | V | VOA TV 251 (HB1-2, | 27500 |

**TV** Digital
**Radio** Digital
**TV** Digital Crypt
**Radio** Digital Crypt
**TV** High Definition
**TV** High Definition Crypt

# SatcoDX Global Satellite Chart 02/2009

| Freq GHz | Pol | Channel Name | Symbol rate |
|---|---|---|---|
| 12.226 | V | VOA TV 252 (HB1-2, | 27500 |
| 12.226 | H | VTV4 | 27500 |
| 12.226 | H | 3ABN Radio | 27500 |
| ●12.226 | V | Cyprus/Saudi MW 308 | 27500 |
| 12.226 | V | Farda Radio 119 | 27500 |
| 12.226 | V | Farda Radio 294 | 27500 |
| 12.226 | H | Hornafrik Somalia | 27500 |
| 12.226 | V | IBB VOA Radio 107 | 27500 |
| 12.226 | V | IBB VOA RFERL Rad | 27500 |
| 12.226 | V | IBB VOA RFERL Rad | 27500 |
| 12.226 | V | IBB VOA RFERL Rad | 27500 |
| 12.226 | V | IBB VOA RFERL Rad | 27500 |
| 12.226 | V | IBB VOA RFERL Rad | 27500 |
| 12.226 | V | IBB VOA RFERL Rad | 27500 |
| 12.226 | V | IBB VOA RFERL Rad | 27500 |
| 12.226 | V | IBB VOA RFERL Rad | 27500 |
| 12.226 | V | IBB VOA RFERL Rad | 27500 |
| 12.226 | V | IBB VOA RFERL Rad | 27500 |
| 12.226 | V | IBB VOA RFERL Rad | 27500 |
| 12.226 | H | Music Box Radio | 27500 |
| 12.226 | H | neo zwei | 27500 |
| 12.226 | H | Overcomer Radio | 27500 |
| ●12.226 | H | Radio Jazz Internati | 27500 |
| 12.226 | H | Rang A Rang radio | 27500 |
| ●12.226 | H | ROCK NATION | 27500 |
| 12.226 | V | Sawa Egypt Radio 116 | 27500 |
| 12.226 | V | Sawa Egypt Radio 290 | 27500 |
| 12.226 | V | Sawa Egypt Radio 293 | 27500 |
| 12.226 | V | Sawa Gulf Radio 117 | 27500 |
| 12.226 | V | Sawa Gulf Radio 291 | 27500 |
| 12.226 | V | Sawa Iraq Radio 115 | 27500 |
| 12.226 | V | Sawa Iraq Radio 283 | 27500 |
| 12.226 | V | Sawa Lebanon Radio 1 | 27500 |
| 12.226 | V | Sawa Lebanon Radio 2 | 27500 |
| 12.226 | V | Sawa Levant Radio 11 | 27500 |
| 12.226 | V | Sawa Levant Radio 28 | 27500 |
| 12.226 | V | Sawa N. Africa Radio | 27500 |
| 12.226 | V | Sawa N. Africa Radio | 27500 |
| 12.226 | V | Sawa Sudan Radio 122 | 27500 |
| 12.226 | V | Sawa Sudan Radio 297 | 27500 |
| 12.226 | H | TGN Radio | 27500 |
| 12.226 | V | VOA Music Mix 104 | 27500 |
| 12.226 | V | VOA Urdu Radio 310 | 27500 |
| 12.226 | H | VOV Radio | 27500 |
| 12.245 | H | MEZZO | 27500 |
| 12.245 | H | Private Spice | 27500 |
| ●12.245 | H | Al Arabiya | 27500 |
| 12.245 | H | Canale Italia | 27500 |
| 12.245 | H | COMING SOON | 27500 |
| 12.245 | H | DAN TV | 27500 |
| ●12.245 | H | Dubai Sports 2 | 27500 |
| ●12.245 | H | Dubai TV Europe | 27500 |
| ●12.245 | H | HOLY GOD Test | 27500 |
| 12.245 | H | KURD 1 | 27500 |
| ●12.245 | H | Mbc Maghreb Al Arabi | 27500 |
| ●12.245 | H | Sama Dubai | 27500 |
| 12.245 | H | SUBACQUEA TV | 27500 |
| 12.245 | H | Dan TAMIL ALAI Ra | 27500 |
| 12.245 | H | FRANCE MAGHREB | 27500 |
| 12.245 | H | Israel 2000 | 27500 |
| 12.245 | H | RADIO ORIENT | 27500 |
| 12.245 | H | RCF | 27500 |
| 12.245 | H | TRT TAMIL OLLI | 27500 |
| ●12.264 | V | HBO HD | 27500 |
| 12.264 | V | Polsat Sport HD | 27500 |
| 12.284 | H | Boomerang | 27500 |
| 12.284 | H | Dla Abonentow | 27500 |
| 12.284 | H | E! | 27500 |
| 12.284 | H | Jetix Play | 27500 |
| 12.284 | H | Playboy | 27500 |
| ●12.284 | H | Test1 | 27500 |
| 12.284 | H | Travel | 27500 |
| 12.284 | H | TV1000 | 27500 |
| 12.284 | H | Zone Europa | 27500 |
| 12.284 | H | Jedynka - PR | 27500 |
| 12.284 | H | Pogoda | 27500 |
| 12.284 | H | Portal ITV | 27500 |
| 12.284 | H | RMF FM | 27500 |
| 12.284 | H | Test | 27500 |
| 12.284 | H | Trójka - PR | 27500 |
| 12.284 | H | Zlote Przeboje | 27500 |
| ●12.284 | H | Planeta FM | 27500 |
| 12.284 | H | Radio PIN 102FM | 27500 |
| 12.284 | H | Radio ZET | 27500 |
| 12.284 | H | RMF Classic | 27500 |
| 12.284 | H | RMF MAXXX | 27500 |
| 12.303 | V | NTV HAYAT SAT | 27500 |
| 12.303 | V | BLU LINE | 27500 |
| 12.303 | V | BVN-TV | 27500 |
| 12.303 | V | CRO MUSIC CHANNEL | 27500 |
| 12.303 | V | DANCE TV | 27500 |
| 12.303 | V | Diva Futura | 27500 |
| 12.303 | V | ITALIAN MUSIC | 27500 |
| 12.303 | V | Kanal e Jadid | 27500 |
| 12.303 | V | LOVEWORLD | 27500 |
| ●12.303 | V | PASSIONE PESCA | 27500 |
| 12.303 | V | PLEASURE TV | 27500 |
| 12.303 | V | SLO-TV1 | 27500 |
| 12.303 | V | SLO-TV2 | 27500 |
| 12.303 | V | SLO-TV3 | 27500 |
| 12.303 | V | TV SLJEME | 27500 |
| 12.303 | V | TVS | 27500 |
| 12.303 | V | CAPODISTRIA | 27500 |
| 12.303 | V | RA.OGNJISCE SI | 27500 |
| 12.303 | V | RADIO SI | 27500 |
| 12.303 | V | RNW-1 | 27500 |
| 12.303 | V | RNW-2 | 27500 |
| 12.303 | V | SLO-RA1-INF | 27500 |
| 12.303 | V | SLO-RA2 | 27500 |
| 12.303 | V | SLO-RA3 | 27500 |
| ●12.322 | H | AXN-Crime-pol | 27500 |
| 12.322 | H | RTVi Detskii Mir - | 27500 |
| 12.322 | H | RTVi Europe | 27500 |
| 12.322 | H | RTVi ME | 27500 |
| 12.322 | H | RTVi Nashe Kino | 27500 |
| 12.322 | H | SCI FI | 27500 |
| 12.322 | H | UNIVERSAL | 27500 |
| ●12.322 | H | AXN-SciFi-pol | 27500 |
| 12.322 | H | France 24 (in Arabic | 27500 |
| 12.322 | H | RIT-TV | 27500 |
| 12.322 | H | World Fashion | 27500 |
| 12.322 | H | Glas Drine BiH | 27500 |
| 12.322 | H | GRAND | 27500 |
| 12.322 | H | Lijepa nasa (LINA) | 27500 |
| 12.322 | H | MegaRadio | 27500 |
| 12.322 | H | PEIRAIKI EKKLISIA | 27500 |
| 12.322 | H | Radio Azadegan | 27500 |
| 12.322 | H | Radio Dijla | 27500 |
| 12.322 | H | Radio SRNA-BOSANK | 27500 |
| 12.322 | H | RAM RAJ RADIO | 27500 |
| ●12.322 | H | SvetPLUS | 27500 |
| 12.322 | H | TREF Radio | 27500 |
| 12.322 | H | VULKAN radio | 27500 |
| 12.322 | H | YU PLANET BEC | 27500 |
| 12.341 | V | Prima Fila 16 | 27500 |
| 12.341 | V | Prima Fila 24 | 27500 |
| 12.341 | V | Prima Fila 26 | 27500 |
| 12.341 | V | Prima Fila 3 | 27500 |
| 12.341 | V | Prima Fila 8 | 27500 |
| ●12.341 | V | SKY Calcio 10 | 27500 |
| ●12.341 | V | SKY Calcio 11 | 27500 |
| ●12.341 | V | SKY Calcio 12 | 27500 |
| 12.341 | V | SKY Calcio 13 | 27500 |
| 12.341 | V | SKY Calcio 14 | 27500 |
| 12.341 | V | SKY Calcio 9 | 27500 |
| 12.341 | V | SKY Sport 16:9 | 27500 |
| 12.341 | V | SKY Sport Extra | 27500 |
| 12.360 | H | SEX VIEW 247 | 27500 |
| 12.360 | H | SEX VIEW CLIMAX | 27500 |
| 12.360 | H | SEX VIEW DP | 27500 |
| 12.360 | H | SEX VIEW EXTRA | 27500 |
| 12.360 | H | SEX VIEW EXTREME | 27500 |
| 12.360 | H | SEX VIEW GAY | 27500 |
| 12.360 | H | SEX VIEW HOT | 27500 |
| 12.360 | H | SEX VIEW INFO | 27500 |
| 12.360 | H | SEX VIEW INTER | 27500 |
| 12.360 | H | SEX VIEW PLUS | 27500 |
| 12.360 | H | SEX VIEW SPECIAL | 27500 |
| 12.360 | H | SEX VIEW TV | 27500 |
| 12.360 | H | !ALLOVE | 27500 |
| 12.360 | H | BIO TV | 27500 |
| ●12.360 | H | CASA ITALIA | 27500 |
| 12.360 | H | ETRURIA CHANNEL | 27500 |
| 12.360 | H | GALAXY | 27500 |
| 12.360 | H | HOUSE CHANNEL | 27500 |

| Freq GHz | Pol | Channel Name | Symbol rate |
|---|---|---|---|
| 12.360 | H | MONDO ARTE | 27500 |
| ●12.360 | H | ONE MINUTE TV | 27500 |
| ●12.360 | H | R1 | 27500 |
| 12.360 | H | SEXWORLD | 27500 |
| 12.360 | H | SEXYSAT2 | 27500 |
| 12.360 | H | SEXYSAT3 | 27500 |
| 12.360 | H | SEXYSAT4 | 27500 |
| 12.380 | V | EQUIDIA PRO | 27500 |
| 12.380 | V | Abu Dhabi | 27500 |
| 12.380 | V | ALBAGHDADIA | 27500 |
| ●12.380 | V | HOLY GOD | 27500 |
| 12.380 | V | Living God | 27500 |
| 12.380 | V | RTV Montenegro | 27500 |
| 12.380 | V | SAT 7 | 27500 |
| 12.380 | V | Saudi arabia TV2 | 27500 |
| 12.380 | V | Syria Satellite Chan | 27500 |
| 12.380 | V | Telepace | 27500 |
| ●12.380 | V | The Spirit Word Chan | 27500 |
| 12.380 | V | Yemen TV | 27500 |
| 12.380 | V | ZAHRAA TV | 27500 |
| 12.380 | V | Aden Radio | 27500 |
| 12.380 | V | Emirates FM | 27500 |
| 12.380 | V | Main General Program | 27500 |
| 12.380 | V | Radio MARIA | 27500 |
| 12.380 | V | Radio Montenegro | 27500 |
| 12.380 | V | RADIO SAN | 27500 |
| 12.380 | V | RFI Francais | 27500 |
| 12.380 | V | Sana'a radio | 27500 |
| 12.380 | V | Voice Of People | 27500 |
| 12.380 | V | Voice of Youth | 27500 |
| 12.399 | H | HD suisse | 27500 |
| 12.399 | H | SF zwei | 27500 |
| 12.399 | H | SF 1 | 27500 |
| 12.399 | H | SF info | 27500 |
| 12.399 | H | SRG-DRS 1 | 27500 |
| 12.399 | H | SRG-DRS 2 | 27500 |
| 12.399 | H | SRG-DRS 3 | 27500 |
| 12.399 | H | SRG-DRS 4 News | 27500 |
| 12.399 | H | SRG-DRS Musikwelle | 27500 |
| 12.399 | H | SRG-DRS Virus | 27500 |
| 12.399 | H | SRG-Rumantsch | 27500 |
| 12.399 | H | SRG-Swiss Classic | 27500 |
| 12.399 | H | SRG-Swiss Jazz | 27500 |
| 12.399 | H | SRG-Swiss Pop | 27500 |
| 12.418 | V | Classica | 27500 |
| ●12.418 | V | Discovery +1 | 27500 |
| 12.418 | V | Discovery Travel | 27500 |
| 12.418 | V | La7 | 27500 |
| 12.418 | V | Milan Channel | 27500 |
| 12.418 | V | SKY Calcio 15 | 27500 |
| 12.418 | V | SKY Cinema Hits | 27500 |
| 12.418 | V | SKY Classics | 27500 |
| 12.418 | V | SKYCinema 2 | 27500 |
| 12.418 | V | CNN Intl. | 27500 |
| 12.437 | H | AL-ALAM | 27500 |
| 12.437 | H | ALKAWTHAR | 27500 |
| ●12.437 | H | FEED | 27500 |
| ●12.437 | H | IRIB QURAN | 27500 |
| 12.437 | H | IRIB1 ENG | 27500 |
| 12.437 | H | IRIB1 PER | 27500 |
| 12.437 | H | IRIB2 ENG | 27500 |
| 12.437 | H | IRIB2 PER | 27500 |
| 12.437 | H | IRINN | 27500 |
| 12.437 | H | PRESS TV | 27500 |
| 12.437 | H | SAHAR | 27500 |
| 12.437 | H | IRIB1/IRIB2 | 27500 |
| 12.437 | H | IRIB3/IRIB6 | 27500 |
| 12.437 | H | IRIB5/IRIB4 | 27500 |
| 12.437 | H | RADIO IRAN | 27500 |
| 12.437 | H | RADIO MAAREF(ENG) | 27500 |
| 12.437 | H | RADIO QURAN | 27500 |
| ●12.437 | H | SEDAYE ASHNA1 | 27500 |
| 12.466 | V | Deejay TV | 27500 |
| 12.466 | V | MTV Brand New | 27500 |
| 12.466 | V | MTV Gold | 27500 |
| 12.466 | V | MTV Hits | 27500 |
| 12.466 | V | MTV Pulse | 27500 |
| 12.466 | V | Music on SKY | 27500 |
| 12.466 | V | SKY Assist | 27500 |
| 12.466 | V | Vh1 | 27500 |
| 12.466 | V | 50 songs | 27500 |
| 12.466 | V | B-Side | 27500 |
| 12.466 | V | Baby Mix | 27500 |
| 12.466 | V | Capital '70 | 27500 |
| 12.466 | V | Disc Joker | 27500 |
| 12.466 | V | Extrabeat | 27500 |
| 12.466 | V | Heart n' song | 27500 |
| 12.466 | V | Hit Italia | 27500 |
| 12.466 | V | ItalianVintage | 27500 |
| 12.466 | V | Jazz & Fusion | 27500 |
| 12.466 | V | Jazz Gold | 27500 |
| 12.466 | V | Livetime | 27500 |
| 12.466 | V | New Rock | 27500 |
| 12.466 | V | Onda Latina | 27500 |
| 12.466 | V | Opera | 27500 |
| 12.466 | V | Out Of Mind | 27500 |
| 12.466 | V | Rock Classic | 27500 |
| 12.466 | V | Rock Shock | 27500 |
| 12.466 | V | Sinfonia | 27500 |
| 12.466 | V | Soul Train | 27500 |
| 12.466 | V | Soulsista | 27500 |
| 12.466 | V | Stardust | 27500 |
| 12.466 | V | Vintage '60 | 27500 |
| 12.466 | V | Yesterjay '80 | 27500 |
| 12.466 | V | Yesterjay '90 | 27500 |
| ●12.476 | H | Alpha punjabi | 27500 |
| ●12.476 | H | Zee cinema | 27500 |
| 12.476 | H | Zee TV | 27500 |
| ●12.476 | H | 2M TV | 27500 |
| ●12.476 | H | Air Box TV | 27500 |
| ●12.476 | H | AL Rasheed | 27500 |
| 12.476 | H | ICC+ | 27500 |
| ●12.476 | H | KJC | 27500 |
| ●12.476 | H | KMC TV | 27500 |
| ●12.476 | H | KNN TV | 27500 |
| ●12.476 | H | KOMALA | 27500 |
| ●12.476 | H | Liberty TV | 27500 |
| ●12.476 | H | LIVE 24 | 27500 |
| ●12.476 | H | Mezopotamia | 27500 |
| 12.476 | H | Newroz TV | 27500 |
| 12.476 | H | NOUR TV | 27500 |
| 12.476 | H | Podroze TV | 27500 |
| 12.476 | H | ROJ | 27500 |
| ●12.476 | H | XStream | 27500 |
| ●12.476 | H | Rouge FM | 27500 |
| ●12.476 | H | Almahaba | 27500 |
| ●12.476 | H | Denge Radio | 27500 |
| ●12.476 | H | Radio 2M | 27500 |
| ●12.476 | H | Radio 74 | 27500 |
| ●12.476 | H | Radio Eviva | 27500 |
| ●12.476 | H | Radio Tasvir | 27500 |
| ●12.476 | H | Radio Top Two | 27500 |
| 12.476 | H | Radio Zamaneh | 27500 |
| ●12.476 | H | RVI 1 | 27500 |
| ●12.476 | H | RVI 2 | 27500 |
| 12.480 | V | Deejay TV | 27500 |
| 12.480 | V | MTV Brand New | 27500 |
| 12.480 | V | MTV Gold | 27500 |
| 12.480 | V | MTV Hits | 27500 |
| 12.480 | V | MTV Pulse | 27500 |
| 12.480 | V | Music on SKY | 27500 |
| 12.480 | V | SKY Assist | 27500 |
| 12.480 | V | Vh1 | 27500 |
| 12.480 | V | 50 songs | 27500 |
| 12.480 | V | B-Side | 27500 |
| 12.480 | V | Baby Mix | 27500 |
| 12.480 | V | Capital '70 | 27500 |
| 12.480 | V | Disc Joker | 27500 |
| 12.480 | V | Extrabeat | 27500 |
| 12.480 | V | Heart n' song | 27500 |
| 12.480 | V | Hit Italia | 27500 |
| 12.480 | V | ItalianVintage | 27500 |
| 12.480 | V | Jazz & Fusion | 27500 |
| 12.480 | V | Jazz Gold | 27500 |
| 12.480 | V | Livetime | 27500 |
| 12.480 | V | New Rock | 27500 |
| 12.480 | V | Onda Latina | 27500 |
| 12.480 | V | Opera | 27500 |
| 12.480 | V | Out Of Mind | 27500 |
| 12.480 | V | Rock Classic | 27500 |
| 12.480 | V | Rock Shock | 27500 |
| 12.480 | V | Sinfonia | 27500 |
| 12.480 | V | Soul Train | 27500 |
| 12.480 | V | Soulsista | 27500 |
| 12.480 | V | Stardust | 27500 |

| Freq GHz | Pol | Channel Name | Symbol rate |
|---|---|---|---|
| 12.480 | V | Vintage '60 | 27500 |
| 12.480 | V | Yesterjay '80 | 27500 |
| 12.480 | V | Yesterjay '90 | 27500 |

**HOT07AKE**

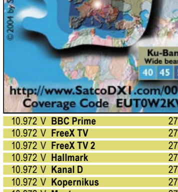
| Freq GHz | Pol | Channel Name | Symbol rate |
|---|---|---|---|
| 10.719 | V | DTV CABLE MI | 27500 |
| 10.719 | V | DTV CABLE PL | 27500 |
| 10.719 | V | HALLMARK | 27500 |
| 10.719 | V | HBO | 27500 |
| 10.719 | V | HBO COMEDY | 27500 |
| 10.719 | V | HBO2 | 27500 |
| 10.719 | V | INFO+/C+ Sport2 | 27500 |
| 10.719 | V | MINIMINI | 27500 |
| 10.719 | V | Movies24 | 27500 |
| 10.719 | V | MTV TWO | 27500 |
| 10.719 | V | Orange Sport | 27500 |
| 10.719 | V | PLANETE | 27500 |
| 10.719 | V | 4fun.TV | 27500 |
| ●10.719 | V | PATIO TV | 27500 |
| 10.719 | V | ESP | 27500 |
| 10.719 | V | tech 3 | 27500 |
| 10.723 | H | Discovery Historia | 29900 |
| 10.723 | H | 10.722 H | 29900 |
| 10.723 | H | ANT1 EUROPE | 29900 |
| 10.723 | H | Deepam TV | 29900 |
| ●10.723 | H | Filmbox Family | 29900 |
| ●10.723 | H | n Sport | 29900 |
| ●10.723 | H | TVP Sport | 29900 |
| 10.723 | H | Buzz TV | 29900 |
| 10.723 | H | Canale 8 | 29900 |
| 10.723 | H | Holiday Sat - Gold S | 29900 |
| ●10.723 | H | Laurenti Channel | 29900 |
| 10.723 | H | LAZIO CHANNEL | 29900 |
| 10.723 | H | MTA INTL | 29900 |
| 10.723 | H | RTPi | 29900 |
| 10.723 | H | Telecolore | 29900 |
| 10.723 | H | NPR | 29900 |
| 10.723 | H | Radio A1 | 29900 |
| 10.723 | H | RDPi Radio | 29900 |
| 10.757 | V | C Cinéma Classic | 27500 |
| 10.757 | V | C Cinéma Culte | 27500 |
| 10.757 | V | C Cinéma Emotion | 27500 |
| 10.757 | V | C Cinéma Famiz | 27500 |
| 10.757 | V | C Cinéma Frisson | 27500 |
| 10.757 | V | C Cinéma Premier | 27500 |
| 10.757 | V | C Cinéma Premier 16/ | 27500 |
| 10.757 | V | C Cinéma Star | 27500 |
| 10.757 | V | TPS Star | 27500 |
| 10.757 | V | France Bleu | 27500 |
| 10.757 | V | France Vivace | 27500 |
| 10.757 | V | Sud Radio | 27500 |
| 10.757 | V | TPS & Vous | 27500 |
| 10.775 | H | AFN Atlantic/Power | 28000 |
| 10.775 | H | AFN Iraq Radio | 28000 |
| 10.775 | H | Bavaria | 28000 |
| 10.775 | H | Benelux | 28000 |
| 10.775 | H | Eifel | 28000 |
| 10.775 | H | Franconia | 28000 |
| 10.775 | H | Guide/Adult Rock | 28000 |
| 10.775 | H | Guide/AFN Bavaria | 28000 |
| 10.775 | H | Guide/AFN Bavaria | 28000 |
| 10.775 | H | Guide/AFN Benelux | 28000 |
| 10.775 | H | Guide/AFN Benelux | 28000 |
| 10.775 | H | Guide/AFN Franconi | 28000 |
| 10.775 | H | Guide/AFN Franconi | 28000 |
| 10.775 | H | Guide/AFN Heidelbe | 28000 |
| 10.775 | H | Guide/AFN Heidelbe | 28000 |
| 10.775 | H | Guide/AFN Hessen E | 28000 |
| 10.775 | H | Guide/AFN Hessen P | 28000 |
| 10.775 | H | Guide/AFN Kaisersl | 28000 |
| 10.775 | H | Guide/AFN Kaisersl | 28000 |
| 10.775 | H | Guide/AFN News Rad | 28000 |
| 10.775 | H | Guide/AFNE Eagle | 28000 |
| 10.775 | H | Guide/AFNE PowerNe | 28000 |
| 10.775 | H | Guide/Bright AC | 28000 |
| 10.775 | H | Guide/Contingency | 28000 |
| 10.775 | H | Guide/Country | 28000 |
| 10.775 | H | Guide/ESPN Radio | 28000 |
| 10.775 | H | Guide/Fox Sports Tal | 28000 |
| 10.775 | H | Guide/Hot AC | 28000 |
| 10.775 | H | Guide/NPR | 28000 |
| 10.775 | H | Guide/PowerNet/Hot | 28000 |
| 10.775 | H | Guide/Pure Gold | 28000 |
| 10.775 | H | Guide/The Touch | 28000 |
| 10.775 | H | Guide/Z-rock ABC H | 28000 |
| 10.775 | H | Heidelberg | 28000 |
| 10.775 | H | Hessen | 28000 |
| 10.775 | H | Kaiserslautern | 28000 |
| 10.775 | H | Pacific/Pure Gold | 28000 |
| 10.775 | H | Spectrum/Touch/Conti | 28000 |
| 10.775 | H | Sports/ESPN/FoxSpo | 28000 |
| 10.775 | H | Voice | 28000 |
| 10.775 | H | Bars and Test Tone + | 28000 |
| 10.775 | H | SMPTE Time Code | 28000 |
| 10.775 | H | UI Split/Voice | 28000 |
| ●10.795 | V | D. SCIENCE | 27500 |
| ●10.795 | V | D. TRAVEL | 27500 |
| ●10.795 | V | D. WORLD | 27500 |
| ●10.795 | V | NATIONAL GEO | 27500 |
| ●10.795 | V | EDUSAT | 27500 |
| ●10.795 | V | POLONIA1 | 27500 |
| ●10.795 | V | TELE5 | 27500 |
| ●10.795 | V | Music Choice 1 | 27500 |
| ●10.795 | V | Music Choice 2 | 27500 |
| ●10.795 | V | Music Choice 3 | 27500 |
| ●10.795 | V | Music Choice 4 | 27500 |
| ●10.795 | V | Music Choice 5 | 27500 |
| ●10.795 | V | Music Choice 6 | 27500 |
| ●10.795 | V | Music Choice 7 | 27500 |
| ●10.795 | V | MusicC. Dance | 27500 |
| ●10.795 | V | MusicC. Klasyka | 27500 |
| ●10.795 | V | MusicC. Oldies | 27500 |
| ●10.795 | V | MusicC. Pop | 27500 |
| ●10.795 | V | MusicC. Rock | 27500 |
| ●10.795 | V | MusicC. Swiat | 27500 |
| ●10.795 | V | MusicC. Urban | 27500 |
| 10.892 | H | 119 test 1 E | 27500 |
| 10.892 | H | 119 test 1. E | 27500 |
| 10.892 | H | 119 test 2 E | 27500 |
| 10.892 | H | 119 test 2. E | 27500 |
| 10.892 | H | 119 test 3 E | 27500 |
| 10.892 | H | 119 test 3. E | 27500 |
| 10.892 | H | ALE KINO! | 27500 |
| 10.892 | H | CANAL+ | 27500 |
| 10.892 | H | CANAL+ FILM | 27500 |
| 10.892 | H | CANAL+ SPORT | 27500 |
| ●10.892 | H | DOMO | 27500 |
| 10.892 | H | DTV CABLE | 27500 |
| 10.892 | H | DTV CABLE 2 | 27500 |
| 10.892 | H | DTV CABLE 3 | 27500 |
| 10.892 | H | DTV CABLE AL | 27500 |
| 10.892 | H | DTV CABLE KU | 27500 |
| 10.892 | H | DTV CABLE ZI | 27500 |
| 10.892 | H | H test 1 | 27500 |
| 10.892 | H | H test 2 | 27500 |
| 10.892 | H | H test 3 | 27500 |
| 10.892 | H | KUCHNIA.TV | 27500 |
| 10.892 | H | TVP 1 | 27500 |
| 10.892 | H | TVP 2 | 27500 |
| 10.892 | H | ZigZap | 27500 |
| 10.892 | H | CYFRA+ RADIO | 27500 |
| 10.892 | H | CYFRA+ RMF | 27500 |
| 10.892 | H | tech | 27500 |
| 10.892 | H | tech 2 | 27500 |
| 10.892 | H | CYFRA+ PR | 27500 |
| 10.910 | V | 13ème RUE | 27500 |
| 10.910 | V | Eurosport | 27500 |
| 10.910 | V | Histoire | 27500 |
| 10.910 | V | LCI | 27500 |
| 10.910 | V | M6 | 27500 |

| Freq GHz | Pol | Channel Name | Symbol rate |
|---|---|---|---|
| 10.910 | V | Odyssée | 27500 |
| 10.910 | V | Planète Thalassa | 27500 |
| 10.910 | V | Privatespice | 27500 |
| 10.910 | V | TF1 | 27500 |
| 10.910 | V | TF6 | 27500 |
| 10.910 | V | Télétoon+1 | 27500 |
| 10.910 | V | Météo Express | 27500 |
| 10.910 | V | Skyrock | 27500 |
| 10.910 | V | FIP | 27500 |
| 10.910 | V | France Culture | 27500 |
| 10.910 | V | France Musique | 27500 |
| 10.910 | V | Le Mouv | 27500 |
| ●10.910 | V | Météo Express | 27500 |
| 10.910 | V | Radio Courtoisie | 27500 |
| 10.930 | H | A TEST | 27500 |
| 10.930 | H | Animal Planet | 27500 |
| 10.930 | H | MAD GREEKZ | 27500 |
| 10.930 | H | MGM | 27500 |
| 10.930 | H | MTV | 27500 |
| 10.930 | H | National Geographic | 27500 |
| 10.930 | H | novacinema1 Cy | 27500 |
| 10.930 | H | novacinema2 | 27500 |
| 10.930 | H | novacinema2 Cy | 27500 |
| 10.930 | H | novasports3 | 27500 |
| 10.930 | H | novasports3 Cy | 27500 |
| 10.930 | H | OTV Test | 27500 |
| 10.930 | H | SIGMA SPORTS 2 | 27500 |
| 10.930 | H | Stest1 | 27500 |
| 10.930 | H | Travel Channel | 27500 |
| 10.930 | H | VH1 | 27500 |
| 10.930 | H | CITY 99,5 | 27500 |
| 10.930 | H | CY Feed | 27500 |
| 10.930 | H | NOVA SCOPE | 27500 |
| 10.930 | H | novasport FM | 27500 |
| 10.930 | H | REAL FM | 27500 |
| 10.930 | H | SENTRA FM | 27500 |
| 10.949 | V | Cartoon Network | 27500 |
| 10.949 | V | CN/TCM | 27500 |
| 10.949 | V | Disney Channel | 27500 |
| 10.949 | V | Turner Classic Movie | 27500 |
| 10.949 | V | Al Forat | 27500 |
| 10.949 | V | Al Hiwar TV | 27500 |
| 10.949 | V | All Music | 27500 |
| 10.949 | V | ANB | 27500 |
| 10.949 | V | DMC TV | 27500 |
| 10.949 | V | Noursat | 27500 |
| 10.949 | V | Rete Capri | 27500 |
| 10.949 | V | Sun KTV | 27500 |
| 10.949 | V | Sun TV +442083356780 | 27500 |
| 10.949 | V | Al Forat Radio | 27500 |
| 10.949 | V | IRN | 27500 |
| 10.949 | V | Radio Capri | 27500 |
| 10.949 | V | Suryan Radio | 27500 |
| 11.117 | V | BBC CBeebies Polan | 27500 |
| 11.117 | V | BBC Entertainment Po | 27500 |
| 11.117 | V | BBC Knowledge Poland | 27500 |
| 11.117 | V | BBC Lifestyle Poland | 27500 |
| 11.117 | V | BBC Prime | 27500 |
| 11.117 | V | D. Science | 27500 |
| 11.117 | V | D. Travel | 27500 |
| 11.117 | V | D. World | 27500 |
| 11.117 | V | Wedding TV | 27500 |
| 11.117 | V | BBC Persian | 27500 |
| 11.117 | V | BBC WS Persian Rad | 27500 |
| ●11.219 | H | CNBC | 27500 |
| 11.219 | H | JimJam | 27500 |
| 11.219 | H | Prima Fila 31 | 27500 |
| 11.219 | H | Prima Fila 32 | 27500 |
| 11.219 | H | Prima Fila 33 | 27500 |
| 11.219 | H | Prima Fila 36 | 27500 |
| 11.219 | H | Prima Fila 37 | 27500 |
| 11.219 | H | Prima Fila 38 | 27500 |
| 11.219 | H | Prima Fila 39 | 27500 |
| 11.219 | H | Prima Fila 40 | 27500 |
| 11.240 | V | KP | 27500 |
| 11.240 | V | M | 27500 |
| 11.240 | V | S | 27500 |
| 11.240 | V | ESP Bulgarian | 27500 |
| 11.240 | V | ESP Cyprus | 27500 |
| 11.240 | V | ESP Czech | 27500 |
| 11.240 | V | ESP Dutch | 27500 |
| 11.240 | V | ESP Greek | 27500 |
| 11.240 | V | ESP Hungarian | 27500 |
| 11.240 | V | ESP Int'l | 27500 |
| 11.240 | V | ESP Polish | 27500 |
| 11.240 | V | ESP Portuguese | 27500 |
| 11.240 | V | ESP Romanian | 27500 |
| 11.240 | V | ESP Russian | 27500 |
| 11.240 | V | ESP Serbia | 27500 |
| 11.240 | V | ESP Turk | 27500 |
| 11.240 | V | ESP2 German | 27500 |
| 11.240 | V | ESP2 Greek | 27500 |
| 11.240 | V | ESP2 Int'l | 27500 |
| 11.240 | V | ESP2 Romanian | 27500 |
| 11.240 | V | ESP2 Rus | 27500 |
| 11.240 | V | ESP2 Serbia | 27500 |
| 11.240 | V | ESP2 Turk | 27500 |
| 11.240 | V | EUROSPORT PL | 27500 |
| 11.240 | V | EUROSPORT2 PL | 27500 |
| 11.240 | V | EUSP2 PL | 27500 |
| 11.240 | V | H1 | 27500 |
| 11.240 | V | H2 | 27500 |
| 11.240 | V | H3 | 27500 |
| 11.240 | V | France 24 (en Franca | 27500 |
| 11.240 | V | France 24 (in Englis | 27500 |
| 11.240 | V | Prod ESP | 27500 |
| 11.240 | V | Prod ESP2 | 27500 |
| 11.258 | H | Boomerang | 27500 |
| 11.258 | H | Cartoon TCM | 27500 |
| 11.258 | H | Cinemax 1 | 27500 |
| 11.258 | H | Cinemax 2 | 27500 |
| 11.258 | H | FILMBOX FAMILY | 27500 |
| 11.258 | H | HBO HD | 27500 |
| ●11.258 | H | Jetix Play | 27500 |
| 11.258 | H | Jim Jam | 27500 |
| 11.258 | H | MTV2 | 27500 |
| ●11.258 | H | n 57 | 27500 |
| ●11.258 | H | n 58 | 27500 |
| ●11.258 | H | n 59 | 27500 |
| 11.258 | H | NASN | 27500 |
| 11.258 | H | OTV | 27500 |
| 11.258 | H | Sport Klub | 27500 |
| 11.258 | H | Sport Klub + | 27500 |
| 11.258 | H | TVN Med | 27500 |
| 11.258 | H | TVP HD test | 27500 |
| 11.258 | H | TVP Historia | 27500 |
| 11.258 | H | TVP Sport | 27500 |
| 11.258 | H | ITVN EU | 27500 |
| 11.258 | H | R1 | 27500 |
| 11.278 | V | CANAL+ FILM HD | 27500 |
| 11.278 | V | HBO HD | 27500 |
| 11.278 | V | CANAL+ SPORT HD | 27500 |
| 11.278 | V | ESP HD Bulgaria | 27500 |
| 11.278 | V | ESP HD Czech | 27500 |
| 11.278 | V | ESP HD Dutch | 27500 |
| 11.278 | V | ESP HD German | 27500 |
| 11.278 | V | ESP HD Hungarian | 27500 |
| 11.278 | V | ESP HD Intl | 27500 |
| 11.278 | V | ESP HD Italy | 27500 |
| 11.278 | V | ESP HD Polish | 27500 |
| 11.278 | V | ESP HD Portuguese | 27500 |
| 11.278 | V | ESP HD Russian | 27500 |
| 11.278 | V | ESP HD Turk | 27500 |
| 11.278 | V | EUROSPORT HD | 27500 |
| 11.278 | V | EUROSPORT HD PL | 27500 |
| 11.278 | V | EUSP PL AUDIO | 27500 |
| 11.296 | H | CONTO TV 1 | 27500 |
| 11.296 | H | CONTO TV2 | 27500 |
| 11.296 | H | S2K | 27500 |
| 11.296 | H | AB Channel | 27500 |
| 11.296 | H | ALL TV | 27500 |
| 11.296 | H | BLU | 27500 |
| 11.296 | H | Challenger Tv | 27500 |
| 11.296 | H | CONTO TV | 27500 |
| 11.296 | H | CONTO TV 3 | 27500 |
| 11.296 | H | CONTO TV 4 | 27500 |
| 11.296 | H | Denaro Tv | 27500 |
| 11.296 | H | IMC | 27500 |
| 11.296 | H | julie | 27500 |
| 11.296 | H | LIBERA | 27500 |
| 11.296 | H | Mediterraneo Sat 2 | 27500 |
| 11.296 | H | MilanoTV Sat | 27500 |
| 11.296 | H | Napoli Mia | 27500 |
| 11.296 | H | Punto Sat | 27500 |
| 11.296 | H | Puntosat3 | 27500 |

| Freq GHz | Pol | Channel Name | Symbol rate |
|---|---|---|---|
| 11.296 | H | Radio Italia TV | 27500 |
| 11.296 | H | ROLSAT | 27500 |
| 11.296 | H | S.Neu Jerusalem | 27500 |
| 11.355 | V | SKY Focus HD | 27500 |
| 11.355 | V | Eurosport HD | 27500 |
| 11.355 | V | Fox Life +1 | 27500 |
| 11.355 | V | Music Box | 27500 |
| 11.355 | V | NationalGeo HD | 27500 |
| 11.355 | V | Next HD | 27500 |
| 11.355 | V | Prima Fila 29 | 27500 |
| 11.355 | V | Prima Fila 34 | 27500 |
| 11.355 | V | Radio on SKY | 27500 |
| 11.355 | V | SKY Cinema HD | 27500 |
| 11.355 | V | SKY Sport HD | 27500 |
| 11.355 | V | SKY Test | 27500 |
| 11.355 | V | Kiss Kiss | 27500 |
| 11.355 | V | M2O | 27500 |
| 11.355 | V | R 101 | 27500 |
| 11.355 | V | Radio 105 | 27500 |
| 11.355 | V | Radio 24 | 27500 |
| 11.355 | V | Radio Capital | 27500 |
| 11.355 | V | Radio DeeJay | 27500 |
| 11.355 | V | Radio Italia | 27500 |
| 11.355 | V | Radio Montecarlo | 27500 |
| 11.355 | V | RDS | 27500 |
| 11.355 | V | RTL 102.5 | 27500 |
| 11.355 | V | Virgin Radio | 27500 |
| 11.393 | V | FILMBOX | 27500 |
| 11.393 | V | FILMBOX EXTRA | 27500 |
| 11.393 | V | TVN | 27500 |
| 11.393 | V | TVN 24 | 27500 |
| 11.393 | V | TVN CNBC Biznes | 27500 |
| 11.393 | V | TVN METEO | 27500 |
| 11.393 | V | TVN Siedem | 27500 |
| 11.393 | V | TVN Style | 27500 |
| 11.393 | V | TVN TURBO | 27500 |
| ●11.393 | V | TVN Warszawa | 27500 |
| 11.393 | V | Mango 24 | 27500 |
| 11.393 | V | test_radio | 27500 |
| 11.411 | H | MTV IDOL | 27500 |
| 11.411 | H | MTV PULSE | 27500 |
| ●11.411 | H | SEX ON TV CRYSTAL | 27500 |
| 11.411 | H | SEX ON TV DIAMOND | 27500 |
| ●11.411 | H | SEX ON TV GOLD | 27500 |
| ●11.411 | H | SEX ON TV SILVER | 27500 |
| 11.411 | H | ADJARA TV | 27500 |
| 11.411 | H | Bethel TV | 27500 |
| 11.411 | H | CALABRIA | 27500 |
| 11.411 | H | Cancao Nova | 27500 |
| 11.411 | H | Dorcel TV | 27500 |
| 11.411 | H | ECTV | 27500 |
| 11.411 | H | Extra 3 | 27500 |
| 11.411 | H | PDF Channel | 27500 |
| 11.411 | H | RANG A RANG | 27500 |
| 11.411 | H | RTA | 27500 |
| ●11.411 | H | SEX ON TV CLASSIC | 27500 |
| 11.411 | H | TAPESH TV2 | 27500 |
| 11.411 | H | TIZIANA SAT | 27500 |
| 11.411 | H | TV2DAY | 27500 |
| ●11.449 | H | AXN | 27500 |
| 11.449 | H | DaVinci | 27500 |
| 11.449 | H | Jetix | 27500 |
| 11.449 | H | Discovery HD | 27500 |
| 11.449 | H | MGM | 27500 |
| 11.449 | H | nSport | 27500 |
| 11.488 | H | ANIMAL PLANET | 27500 |
| 11.488 | H | CINEMAX | 27500 |
| 11.488 | H | CNBC | 27500 |
| 11.488 | H | KINO POLSKA | 27500 |
| ●11.488 | H | RELIGIA.TV | 27500 |
| 11.488 | H | TRACE TV | 27500 |
| ●11.488 | H | TVN LINGUA | 27500 |
| 11.488 | H | TVP INFO | 27500 |
| 11.488 | H | ZONE CLUB | 27500 |
| 11.488 | H | ZONE REALITY | 27500 |
| 11.488 | H | ITV | 27500 |
| 11.488 | H | PULS | 27500 |
| 11.488 | H | TV POLONIA | 27500 |
| 11.488 | H | TVP Kultura | 27500 |
| 11.523 | V | test | 5000 |
| 11.526 | H | TSR1 | 27500 |
| 11.526 | H | TSI1 | 27500 |
| 11.526 | H | TSI2 | 27500 |
| 11.526 | H | TSR2 | 27500 |
| 11.526 | H | SSR-Couleur3 | 27500 |
| 11.526 | H | SSR-Espace 2 | 27500 |
| 11.526 | H | SSR-La 1ere | 27500 |
| 11.526 | H | SSR-Option Musique | 27500 |
| 11.526 | H | SSR-Rete Due | 27500 |
| 11.526 | H | SSR-Rete Tre | 27500 |
| 11.526 | H | SSR-Rete Uno | 27500 |
| 11.526 | H | SSR-WRS | 27500 |
| 11.747 | H | AL ARABIYA | 27500 |
| 11.747 | H | AL SHARQIYA | 27500 |
| 11.747 | H | DUBAI SPORTS | 27500 |
| 11.747 | H | DUBAI TV | 27500 |
| 11.747 | H | EZ Shop | 27500 |
| 11.747 | H | INFINITY | 27500 |
| 11.747 | H | MBC MAGHREB AL AR | 27500 |
| 11.747 | H | ME SHOP | 27500 |
| 11.747 | H | PMC | 27500 |
| 11.747 | H | SAMADUBAI | 27500 |
| 11.747 | H | EDTV RADIO 1 | 27500 |
| 11.747 | H | EDTV RADIO 2 | 27500 |
| 12.616 | H | FX | 27500 |
| 12.616 | H | Prima Fila 1 | 27500 |
| 12.616 | H | Prima Fila 10 | 27500 |
| 12.616 | H | Prima Fila 12 | 27500 |
| 12.616 | H | Prima Fila 2 | 27500 |
| 12.616 | H | Prima Fila 4 | 27500 |
| 12.616 | H | Prima Fila 6 | 27500 |
| 12.616 | H | Prima Fila 7 | 27500 |
| 12.616 | H | Prima Fila 9 | 27500 |
| 12.616 | H | Vetrina Primafila | 27500 |
| 12.635 | V | Prima Fila 14 | 27500 |
| 12.635 | V | Prima Fila 15 | 27500 |
| 12.635 | V | Prima Fila 17 | 27500 |
| 12.635 | V | Prima Fila 18 | 27500 |
| 12.635 | V | Prima Fila 19 | 27500 |
| 12.635 | V | Prima Fila 21 | 27500 |
| 12.635 | V | Prima Fila 23 | 27500 |
| 12.635 | V | Prima Fila 25 | 27500 |
| 12.635 | V | Prima Fila 27 | 27500 |
| 12.635 | V | Prima Fila 35 | 27500 |
| 12.654 | H | AL IRAQIA TV | 27500 |
| 12.654 | H | ALMUSTAKILLA | 27500 |
| 12.654 | H | ESC | 27500 |
| 12.654 | H | JORDAN | 27500 |
| 12.654 | H | KUWAIT | 27500 |
| 12.654 | H | LIBYA | 27500 |
| 12.654 | H | OMAN | 27500 |
| 12.654 | H | QATAR TV | 27500 |
| 12.654 | H | SAUDI 1 | 27500 |
| 12.654 | H | SHARJAH TV | 27500 |
| 12.654 | H | STRIKE TV | 27500 |
| 12.654 | H | SUDAN | 27500 |
| 12.654 | H | AL-IRAQIA QURAN | 27500 |
| 12.654 | H | ESC R1 | 27500 |
| 12.654 | H | ESC R2 | 27500 |
| 12.654 | H | ESC R3 | 27500 |
| 12.654 | H | JORDAN R1 | 27500 |
| 12.654 | H | KUWAIT R1 | 27500 |
| 12.654 | H | KUWAIT R2 | 27500 |
| 12.654 | H | OMAN R1 | 27500 |
| 12.654 | H | OMAN R2 | 27500 |
| 12.654 | H | OMAN R3 | 27500 |
| 12.654 | H | OMAN-HOLY QURAN | 27500 |
| 12.654 | H | QATAR R1 | 27500 |
| 12.654 | H | RADIO BAGHDAD | 27500 |
| 12.654 | H | SAUDI1 R1 | 27500 |
| 12.654 | H | SAUDI1 R2 | 27500 |
| 12.654 | H | SHARJAH R1 | 27500 |
| 12.654 | H | SHARJAH R2 | 27500 |
| 12.654 | H | SUDAN R1 | 27500 |
| 12.654 | H | SUDAN R2 | 27500 |
| 12.673 | V | AL Aoula | 27500 |
| 12.673 | V | Arriadia 2 | 27500 |
| ●12.673 | V | AL Aoula INTER | 27500 |
| 12.673 | V | AL MAGHRIBIA | 27500 |
| ●12.673 | V | AlAoula INTER+L | 27500 |
| 12.673 | V | ARRABIAA | 27500 |
| 12.673 | V | ARRIADIA | 27500 |
| 12.673 | V | ASSADISSA | 27500 |
| 12.673 | V | Medi1SAT | 27500 |
| 12.673 | V | Amazigh | 27500 |

| Freq GHz | Pol | Channel Name | Symbol rate |
|---|---|---|---|
| 12.673 | V | Chaine inter | 27500 |
| 12.673 | V | Radio Dakhla | 27500 |
| 12.673 | V | Radio FES | 27500 |
| 12.673 | V | Radio Mohamed VI | 27500 |
| 12.673 | V | RADIO MOHAMMED VI | 27500 |
| 12.673 | V | Radio national | 27500 |
| 12.692 | H | AB3 | 27500 |
| 12.692 | H | AB4 | 27500 |
| 12.692 | H | CINE FIRST | 27500 |
| 12.692 | H | CINE FX | 27500 |
| 12.692 | H | CINE POLAR | 27500 |
| 12.692 | H | France 2 | 27500 |
| 12.692 | H | France 3 | 27500 |
| 12.692 | H | France 4 | 27500 |
| ●12.692 | H | Gulli | 27500 |
| 12.692 | H | O. sport info | 27500 |
| 12.692 | H | TMC | 27500 |
| 12.692 | H | VIDEOCLICK | 27500 |
| ●12.692 | H | Virgin 17 | 27500 |
| 12.692 | H | Beur TV | 27500 |
| 12.692 | H | BIS TV PROMO | 27500 |
| 12.692 | H | LUXE TV | 27500 |
| 12.713 | V | Current | 27500 |
| ●12.713 | V | Hip Hop TV | 27500 |
| 12.713 | V | NatGeo Music | 27500 |
| 12.713 | V | SNAI Sat | 27500 |
| 12.713 | V | Anc1003 | 27500 |
| 12.713 | V | Anc1004 | 27500 |
| 12.713 | V | Anc1005 | 27500 |
| 12.713 | V | Anc1006 | 27500 |
| 12.713 | V | SKY Meteo24 | 27500 |
| 12.713 | V | SKY TG 24 | 27500 |
| 12.713 | V | Test 24 | 27500 |
| 12.713 | V | Test 5 | 27500 |
| 12.731 | H | Boomerang | 27500 |
| 12.731 | H | Cartoon +1 | 27500 |
| 12.731 | H | Fox | 27500 |
| 12.731 | H | GXT | 27500 |
| 12.731 | H | GXT +1 | 27500 |
| 12.731 | H | Hallmark | 27500 |
| 12.731 | H | History | 27500 |
| 12.731 | H | Jetix +1 | 27500 |
| 12.731 | H | NationalGeo | 27500 |
| 12.731 | H | Roma Channel | 27500 |
| 12.731 | H | The MGM Channel | 27500 |
| 10.830 | H | Autonomia | 3333 |
| 12.130 | H | m2 HD | 27500 |
| 12.130 | H | m2 | 27500 |
| 12.130 | H | m2 16:9 | 27500 |
| 12.130 | H | MR3 Bartok | 27500 |
| ●12.577 | V | Administra.it - FLTV | 27500 |
| 12.577 | V | AL JAZEERA CHILDR | 27500 |
| 12.577 | V | EDUSAT | 27500 |
| 12.577 | V | POLONIA1 | 27500 |
| ●12.577 | V | T. R. Padre Pio | 27500 |
| 12.577 | V | TELE5 | 27500 |
| ●12.577 | V | TELELOTTO | 27500 |

**Europe**
**EUTELSAT W2**
**16.0 East**
**EUT0W2KW**




| Freq GHz | Pol | Channel Name | Symbol rate |
|---|---|---|---|
| 10.972 | V | BBC Prime | 27500 |
| 10.972 | V | FreeX TV | 27500 |
| 10.972 | V | FreeX TV 2 | 27500 |
| 10.972 | V | Hallmark | 27500 |
| 10.972 | V | Kanal D | 27500 |
| 10.972 | V | Kopernikus | 27500 |
| 10.972 | V | Most | 27500 |
| 10.972 | V | Motors TV | 27500 |
| 10.972 | V | MTV Adria | 27500 |
| 10.972 | V | TV1000 | 27500 |
| 10.972 | V | Viasat History | 27500 |
| 10.972 | V | X-Dream TV | 27500 |
| 10.972 | V | Viasat Explorer | 27500 |
| 10.976 | H | DigitAlb HD-1 | 22500 |
| ●10.976 | H | DigitAlb HD-2 | 22500 |
| 10.976 | H | DigitAlb HD-3 | 22500 |
| ●10.976 | H | Nat Geo HD | 22500 |
| 10.976 | H | SuperSport HD-1 | 22500 |
| 10.976 | H | SuperSport HD-2 | 22500 |
| ●11.011 | V | AXN | 27500 |
| 11.011 | V | Cinemax | 27500 |
| 11.011 | V | Diema | 27500 |
| 11.011 | V | Diema Family | 27500 |
| 11.011 | V | Diema2 | 27500 |
| 11.011 | V | Eurosport | 27500 |
| ●11.011 | V | Hallmark | 27500 |
| 11.011 | V | HBO | 27500 |
| ●11.011 | V | Hustler TV | 27500 |
| ●11.011 | V | MMTV | 27500 |
| 11.011 | V | N.Geographic | 27500 |
| 11.011 | V | Nova+ | 27500 |
| 11.011 | V | TV2 | 27500 |
| 11.011 | V | TV7 | 27500 |
| 11.011 | V | BNT Sat | 27500 |
| ●11.011 | V | Fiesta TV | 27500 |
| ●11.011 | V | VTV | 27500 |
| 11.011 | V | BNR Horizont | 27500 |
| ●11.011 | V | ESP test | 27500 |
| 11.011 | V | Radyo Lojik | 27500 |
| ●11.034 | V | AXN | 27500 |
| 11.034 | V | Cinemax | 27500 |
| 11.034 | V | Diema | 27500 |
| 11.034 | V | Diema Family | 27500 |
| 11.034 | V | Diema2 | 27500 |
| 11.034 | V | Eurosport | 27500 |
| ●11.034 | V | Hallmark | 27500 |
| 11.034 | V | HBO | 27500 |
| ●11.034 | V | Hustler TV | 27500 |
| ●11.034 | V | MMTV | 27500 |
| 11.034 | V | N.Geographic | 27500 |
| 11.034 | V | Nova+ | 27500 |
| 11.034 | V | TV2 | 27500 |
| 11.034 | V | TV7 | 27500 |
| 11.034 | V | BNT Sat | 27500 |
| ●11.034 | V | Fiesta TV | 27500 |
| ●11.034 | V | VTV | 27500 |
| 11.034 | V | BNR Horizont | 27500 |
| ●11.034 | V | ESP test | 27500 |
| 11.034 | V | Radyo Lojik | 27500 |
| 11.045 | H | National TV | 10555 |
| 11.045 | H | Favorit TV | 10555 |
| 11.045 | H | National 24 | 10555 |
| 11.045 | H | Favorit FM | 10555 |
| 11.045 | H | National FM | 10555 |
| 11.055 | V | Bang Bang | 27900 |
| 11.055 | V | Cufo Tv | 27900 |
| ●11.055 | V | Digi+ | 27900 |
| ●11.055 | V | Digifilm 5 | 27900 |
| ●11.055 | V | Digifilm Autor | 27900 |
| ●11.055 | V | Digifilm Premiere | 27900 |
| 11.055 | V | Explorer 1 | 27900 |
| 11.055 | V | Explorer 2 | 27900 |
| ●11.055 | V | Explorer 3 | 27900 |
| 11.055 | V | Junior Tv | 27900 |
| ●11.055 | V | My-Music | 27900 |
| 11.055 | V | Top Channel | 27900 |
| 11.055 | V | Top News | 27900 |
| ●11.055 | V | My Music Radio | 27900 |
| ●11.055 | V | Top Albania Radio | 27900 |
| ●11.061 | H | Nat Geo Music | 5722 |
| ●11.061 | H | Test Voxson | 5722 |
| ●11.061 | H | Ecoradio | 5722 |
| ●11.061 | H | Radio 6 | 5722 |
| ●11.061 | H | Radio Citta Futura | 5722 |
| ●11.061 | H | Rete Sport | 5722 |
| ●11.094 | V | 4-X | 27900 |
| ●11.094 | V | BBF | 27900 |

| Freq GHz | Pol | Channel Name | Symbol rate |
|---|---|---|---|
| ●11.094 | V | Digitalb 12 | 27900 |
| ●11.094 | V | Digitalb16 | 27900 |
| ●11.094 | V | Fox Crime | 27900 |
| ●11.094 | V | Fox Life | 27900 |
| ●11.094 | V | MGM | 27900 |
| ●11.094 | V | Nat Geo | 27900 |
| ●11.094 | V | Nat Geo Wild | 27900 |
| ●11.094 | V | Neser Tv | 27900 |
| ●11.094 | V | SuperSonic Tv | 27900 |
| ●11.094 | V | Tirana Tv | 27900 |
| ●11.094 | V | TVA | 27900 |
| ●11.094 | V | XXX | 27900 |
| ●11.094 | V | Channel X | 27900 |
| ●11.094 | V | Digifilm 6 | 27900 |
| ●11.094 | V | Digifilm 7 | 27900 |
| ●11.094 | V | Digifilm 8 | 27900 |
| ●11.094 | V | XX | 27900 |
| ●11.094 | V | Top Gold Radio | 27900 |
| ●11.095 | H | Alfa | 27300 |
| ●11.095 | H | B92 Info | 27300 |
| ●11.095 | H | E! | 27300 |
| ●11.095 | H | Happy Cable | 27300 |
| ●11.095 | H | History Channel | 27300 |
| ●11.095 | H | Jetix | 27300 |
| ●11.095 | H | Minimax/FilmPlus | 27300 |
| ●11.095 | H | Reality | 27300 |
| ●11.095 | H | Romantica | 27300 |
| ●11.095 | H | Test Service | 27300 |
| ●11.095 | H | Televizija S | 27300 |
| ●11.132 | V | Antena 1 | 14815 |
| ●11.132 | V | Antena 2 | 14815 |
| ●11.132 | V | Antena 3 | 14815 |
| ●11.132 | V | Antena International | 14815 |
| ●11.132 | V | Euforia Lifestyle | 14815 |
| ●11.132 | V | Radio Romantic | 14815 |
| ●11.132 | V | Radio ZU | 14815 |
| ●11.138 | H | BBT | 27700 |
| ●11.138 | H | BNT 1 | 27700 |
| ●11.138 | H | bTV | 27700 |
| ●11.138 | H | EK Bulgaria | 27700 |
| ●11.138 | H | Evrokom NCTV | 27700 |
| ●11.138 | H | FOX Crime | 27700 |
| ●11.138 | H | Fox Crime BG | 27700 |
| ●11.138 | H | Fox Life | 27700 |
| ●11.138 | H | FOX Life Regional | 27700 |
| ●11.138 | H | Kanal 1- PP | 27700 |
| ●11.138 | H | Nova | 27700 |
| ●11.138 | H | Ring TV | 27700 |
| ●11.138 | H | Balkanika | 27700 |
| ●11.138 | H | EvropaTV | 27700 |
| ●11.138 | H | FANTV | 27700 |
| ●11.138 | H | Radio 1 Rock | 27700 |
| ●11.138 | H | AUREA Radio | 27700 |
| ●11.138 | H | Darik Radio | 27700 |
| ●11.138 | H | ESP BG | 27700 |
| ●11.138 | H | Hristo Botev | 27700 |
| ●11.138 | H | JAZZ FM | 27700 |
| ●11.138 | H | OK RADIO BELGRADE | 27700 |
| ●11.138 | H | Radio SRBIJA | 27700 |
| ●11.138 | H | Radio Veronika | 27700 |
| ●11.138 | H | Radio ZA Sevdah | 27700 |
| ●11.138 | H | Z- ROCK | 27700 |
| ●11.148 | V | 7dni | 8900 |
| ●11.148 | V | Ekids | 8900 |
| ●11.148 | V | Evrofootball | 8900 |
| ●11.148 | V | RE:TV | 8900 |
| ●11.148 | V | Test Channel | 8900 |
| ●11.158 | V | Pink | 27500 |
| ●11.158 | V | Pink Action | 27500 |
| ●11.158 | V | Pink BH | 27500 |
| ●11.158 | V | Pink Extra | 27500 |
| ●11.158 | V | Pink Film | 27500 |
| ●11.158 | V | Pink Kids | 27500 |
| ●11.158 | V | Pink M | 27500 |
| ●11.158 | V | Pink Movies | 27500 |
| ●11.158 | V | Pink Music | 27500 |
| ●11.158 | V | Pink Plus | 27500 |
| ●11.158 | V | Fashion TV | 27500 |
| ●11.158 | V | Pink Family | 27500 |
| ●11.158 | V | RADIO INDEX | 27500 |
| ●11.158 | V | Radio Pink | 27500 |
| ●11.178 | V | Pink | 27500 |
| ●11.178 | V | Pink Action | 27500 |
| ●11.178 | V | Pink BH | 27500 |
| ●11.178 | V | Pink Extra | 27500 |
| ●11.178 | V | Pink Film | 27500 |
| ●11.178 | V | Pink Kids | 27500 |
| ●11.178 | V | Pink M | 27500 |
| ●11.178 | V | Pink Movies | 27500 |
| ●11.178 | V | Pink Music | 27500 |
| ●11.178 | V | Pink Plus | 27500 |
| ●11.178 | V | Fashion TV | 27500 |
| ●11.178 | V | Pink Family | 27500 |
| ●11.178 | V | RADIO INDEX | 27500 |
| ●11.178 | V | Radio Pink | 27500 |
| ●11.304 | V | Animal Planet | 30000 |
| ●11.304 | V | BTV1 | 30000 |
| ●11.304 | V | BTV2 | 30000 |
| ●11.304 | V | Discovery | 30000 |
| ●11.304 | V | GTV | 30000 |
| ●11.304 | V | NW | 30000 |
| ●11.304 | V | Planeta | 30000 |
| ●11.304 | V | Premium Digital | 30000 |
| ●11.304 | V | RBS | 30000 |
| ●11.304 | V | Folklor TV | 30000 |
| ●11.304 | V | IkonomikaTV EBF | 30000 |
| ●11.304 | V | SC Folk | 30000 |
| ●11.304 | V | Zdrave | 30000 |
| ●11.428 | V | ATV | 30000 |
| ●11.428 | V | Avala | 30000 |
| ●11.428 | V | FOX | 30000 |
| ●11.428 | V | FTV | 30000 |
| ●11.428 | V | HBO Comedy | 30000 |
| ●11.428 | V | Metropolis | 30000 |
| ●11.428 | V | OBN | 30000 |
| ●11.428 | V | Palma Plus | 30000 |
| ●11.428 | V | Panonija | 30000 |
| ●11.428 | V | RTRS | 30000 |
| ●11.428 | V | Sport Klub+ | 30000 |
| ●11.428 | V | Top Shop TV | 30000 |
| ●11.428 | V | Travel | 30000 |
| ●11.428 | V | Spectrum | 30000 |
| ●11.449 | H | Digi Gold | 27500 |
| ●11.449 | H | Folk Tv | 27500 |
| ●11.449 | H | Klan Tv | 27500 |
| ●11.449 | H | Koha Tv | 27500 |
| ●11.449 | H | KTV | 27500 |
| ●11.449 | H | News 24 | 27500 |
| ●11.449 | H | Ora News | 27500 |
| ●11.449 | H | RTV 21 | 27500 |
| ●11.449 | H | SuperSport 1 | 27500 |
| ●11.449 | H | SuperSport 2 | 27500 |
| ●11.449 | H | SuperSport 3 | 27500 |
| ●11.449 | H | SuperSport 4 | 27500 |
| ●11.449 | H | SuperSport 5 | 27500 |
| ●11.449 | H | TVSH Tokesor | 27500 |
| ●11.449 | H | Digitalb Promo | 27500 |
| ●11.471 | V | TVR HD | 29950 |
| ●11.471 | V | TVR1 | 29950 |
| ●11.471 | V | TVR2 | 29950 |
| ●11.471 | V | TVR Cluj | 29950 |
| ●11.471 | V | TVR Craiova | 29950 |
| ●11.471 | V | TVR Cultural | 29950 |
| ●11.471 | V | TVR Iasi | 29950 |
| ●11.471 | V | TVR Info | 29950 |
| ●11.471 | V | TVR Timisoara | 29950 |
| ●11.471 | V | TVR3 | 29950 |
| ●11.471 | V | TVRi | 29950 |
| ●11.471 | V | Romania in Direct | 29950 |
| ●11.471 | V | Romania Internationa | 29950 |
| ●11.513 | V | Brava TV | 29950 |
| ●11.513 | V | CNNi | 29950 |
| ●11.513 | V | Disc.Science | 29950 |
| ●11.513 | V | Disc.Travel | 29950 |
| ●11.513 | V | Disc.World | 29950 |
| ●11.513 | V | Reality Tv | 29950 |
| ●11.513 | V | Tv 1000 | 29950 |
| ●11.513 | V | U Tv | 29950 |
| ●11.513 | V | VH 1 | 29950 |
| ●11.513 | V | Viasat Explorer | 29950 |
| ●11.513 | V | Viasat History | 29950 |
| ●11.513 | V | AlfaOmega | 29950 |
| ●11.513 | V | ALPHA TV | 29950 |
| ●11.513 | V | Credo Tv | 29950 |
| ●11.513 | V | Dambovita TV | 29950 |

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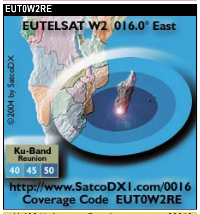
| Freq GHz | Pol | Channel Name | Symbol rate |
|---|---|---|---|
| ● 11.513 | V | ifTv | 29950 |
| ● 11.513 | V | Pro Tv Intl | 29950 |
| ● 11.513 | V | Trinitas | 29950 |
| ● 11.513 | V | Minisat | 29950 |
| ● 11.513 | V | Radio K | 29950 |
| ● 11.513 | V | RFI | 29950 |
| ● 11.513 | V | Vocea Evangheliei | 29950 |
| ● 11.554 | V | B92 | 30000 |
| ● 11.554 | V | Cinemania | 30000 |
| ● 11.554 | V | DoQ | 30000 |
| ● 11.554 | V | Enter | 30000 |
| ● 11.554 | V | Film + | 30000 |
| ● 11.554 | V | Happy/Kosava | 30000 |
| ● 11.554 | V | HBO Adria | 30000 |
| ● 11.554 | V | RTS1 | 30000 |
| ● 11.554 | V | RTS2 | 30000 |
| ● 11.554 | V | SOS | 30000 |
| ● 11.554 | V | Sport Klub | 30000 |
| ● 11.554 | V | Studio B | 30000 |
| ● 11.554 | V | Super TV | 30000 |
| ● 11.554 | V | Ultra TV | 30000 |
| ● 11.554 | V | Radio B92 | 30000 |
| ● 12.513 | V | MELOS TV | 2156 |
| ● 12.520 | V | Top Music | 2156 |
| ● 12.533 | V | OU | 5100 |
| ● 12.538 | V | BN R.Srpska | 4340 |
| ● 12.557 | V | DM SAT | 2156 |
| ● 12.592 | V | first_service | 2934 |
| ● 12.600 | V | ATLAS | 6771 |
| ● 12.600 | V | RTV MONTENEGRO | 6771 |
| ● 12.600 | V | Radio ATLAS | 6771 |
| ● 12.600 | V | Radio Montenegro | 6771 |
| ● 12.648 | V | BH-TV1 | 5200 |
| ● 12.648 | V | BH-Radio1 | 5200 |
| ● 12.650 | H | 44-SNAI TV promo | 15000 |
| ● 12.650 | H | 77- AUDIO UNICO | 15000 |
| ● 12.650 | H | CH 10 - UNIRE BLU | 15000 |
| ● 12.650 | H | CH 20 - U VERDE S | 15000 |
| ● 12.650 | H | CH 4 - SNAI TV | 15000 |
| ● 12.650 | H | CH 6 - U GRIGIO S | 15000 |
| ● 12.650 | H | CH 7 - SPORTIVE S | 15000 |
| ● 12.650 | H | UNIRE 1 - GRIGIO | 15000 |
| ● 12.650 | H | UNIRE 2 - VERDE | 15000 |
| ● 12.650 | H | CH 3 - CANALE TES | 15000 |
| ● 12.726 | V | Kanal A | 30000 |
| ● 12.726 | V | POP TV | 30000 |
| ● 12.726 | V | SportKlub Slovenija | 30000 |
| ● 12.726 | V | TV Pika | 30000 |
| ● 12.726 | V | TV3 Slovenia | 30000 |
| ● 12.726 | V | ALFA TV | 30000 |
| ● 12.726 | V | ART Channel | 30000 |
| ● 12.726 | V | ASTRO TV | 30000 |
| ● 12.726 | V | Duga TV | 30000 |
| ● 12.726 | V | Estate TV & TV1 | 30000 |
| ● 12.726 | V | HipHop TV | 30000 |
| ● 12.726 | V | InfoTV | 30000 |
| ● 12.726 | V | Radio SvetPLUS | 30000 |
| ● 12.726 | V | StaticTvServiceTest1 | 30000 |
| ● 12.726 | V | Svet Plus | 30000 |
| ● 12.726 | V | Test | 30000 |
| ● 12.726 | V | TV 24 SAT | 30000 |
| ● 12.726 | V | TV Jasmin | 30000 |
| ● 12.726 | V | GRAND | 30000 |
| ● 12.726 | V | Khrlo e Romengo | 30000 |
| ● 12.726 | V | KISS DOINA VLASKI | 30000 |
| ● 12.726 | V | KISS RADIO - MINH | 30000 |
| ● 12.726 | V | KISS ROM RADIO - | 30000 |
| ● 12.726 | V | LIJEPA NASA | 30000 |
| ● 12.726 | V | LJUBICA-KAMENJE | 30000 |
| ● 12.726 | V | MB MITIC BILJANA | 30000 |
| ● 12.726 | V | MIKS RADIO | 30000 |
| ● 12.726 | V | Oldies Radio | 30000 |
| ● 12.726 | V | ORV Valentino BH | 30000 |
| ● 12.726 | V | PLANET MUSIC | 30000 |
| ● 12.726 | V | Radio 1 | 30000 |
| ● 12.726 | V | Radio BRCKO | 30000 |
| ● 12.726 | V | Radio Brod | 30000 |
| ● 12.726 | V | Radio DUKAT | 30000 |
| ● 12.726 | V | Radio Fles | 30000 |
| ● 12.726 | V | Radio Glas Drine | 30000 |
| ● 12.726 | V | RADIO HRGOVI | 30000 |
| ● 12.726 | V | RADIO IZVOR | 30000 |
| ● 12.726 | V | Radio KOKTEL | 30000 |
| ● 12.726 | V | Radio Pink Int | 30000 |
| ● 12.726 | V | RADIO POSAVINA | 30000 |
| ● 12.726 | V | RADIO RAKA ESINGE | 30000 |
| ● 12.726 | V | RADIO S BEOGRAD | 30000 |
| ● 12.726 | V | RADIO TREF PLUS | 30000 |
| ● 12.726 | V | Radio VELKATON | 30000 |
| ● 12.726 | V | Radio Za Sevdah | 30000 |
| ● 12.726 | V | Radio Zurka Wien | 30000 |
| ● 12.726 | V | SAJKASKA | 30000 |
| ● 12.726 | V | Srpski Radio Suton | 30000 |
| ● 12.726 | V | Top 3 radio | 30000 |
| ● 12.726 | V | Vikom RTV | 30000 |
| ● 12.726 | V | VIP Radio | 30000 |
| ● 12.734 | H | Best of Macedonia | 7609 |
| ● 12.734 | H | K15 Music | 7609 |
| ● 12.734 | H | K15 TV | 7609 |
| ● 12.734 | H | MKTV Sat | 7609 |
| ● 12.734 | H | Sitel | 7609 |
| ● 12.734 | H | Sitel 3 | 7609 |
| ● 12.735 | H | Best of Macedonia | 7609 |
| ● 12.735 | H | K15 Music | 7609 |
| ● 12.735 | H | K15 TV | 7609 |
| ● 12.735 | H | MKTV Sat | 7609 |
| ● 12.735 | H | Sitel | 7609 |
| ● 12.735 | H | Sitel 3 | 7609 |

**East Africa**
**EUTELSAT W2**
**16.1 East**
**EUT0W2RE**




| Freq GHz | Pol | Channel Name | Symbol rate |
|---|---|---|---|
| 11.486 | H | Antenne Reunion | 29950 |
| 11.486 | H | BFM TV | 29950 |
| 11.486 | H | CC Classic | 29950 |
| 11.486 | H | CC Culte | 29950 |
| 11.486 | H | CC Emotions | 29950 |
| 11.486 | H | CC Famiz | 29950 |
| 11.486 | H | CC Frissons | 29950 |
| 11.486 | H | CC Premier | 29950 |
| 11.486 | H | CC Star | 29950 |
| 11.486 | H | Discovery | 29950 |
| 11.486 | H | M6 | 29950 |
| 11.486 | H | MANGAS | 29950 |
| 11.486 | H | Planete Juniors | 29950 |
| 11.486 | H | REAL TIME | 29950 |
| 11.486 | H | RTL9 | 29950 |
| 11.486 | H | Serie Club | 29950 |
| 11.486 | H | STAR AC 8 | 29950 |
| 11.486 | H | Supersport 3 | 29950 |
| 11.486 | H | TeleReunion | 29950 |
| 11.486 | H | Tempo | 29950 |
| 11.486 | H | Teva | 29950 |
| 11.486 | H | TF6 | 29950 |
| 11.486 | H | Cherie FM | 29950 |
| 11.486 | H | EXO FM | 29950 |
| 11.486 | H | Festival | 29950 |
| 11.486 | H | KOI | 29950 |
| 11.486 | H | Kreol FM | 29950 |
| 11.486 | H | NRJ Reunion | 29950 |
| 11.486 | H | Radio One | 29950 |
| 11.486 | H | RER | 29950 |
| ● 11.596 | H | AB moteurs | 30000 |
| ● 11.596 | H | CNN I | 30000 |
| ● 11.596 | H | Comedie | 30000 |
| ● 11.596 | H | DORCEL TV | 30000 |
| ● 11.596 | H | Equidia | 30000 |
| ● 11.596 | H | Eurosport | 30000 |
| ● 11.596 | H | Eurosport 2 | 30000 |
| ● 11.596 | H | Fun TV | 30000 |
| ● 11.596 | H | G SPORT ONE | 30000 |
| ● 11.596 | H | Hotshow | 30000 |
| ● 11.596 | H | Infosport | 30000 |
| ● 11.596 | H | LCI | 30000 |
| ● 11.596 | H | M6 Music Black | 30000 |
| ● 11.596 | H | M6 Music Hits | 30000 |
| ● 11.596 | H | Odyssee | 30000 |
| ● 11.596 | H | TF1 | 30000 |
| ● 11.596 | H | TPS FOOT | 30000 |
| ● 11.596 | H | TPS Star | 30000 |
| ● 11.596 | H | TV Breizh | 30000 |
| ● 11.596 | H | W9 | 30000 |
| ● 11.596 | H | Europe 1 | 30000 |
| ● 11.596 | H | Free DOM | 30000 |
| ● 11.596 | H | Nostalgie | 30000 |
| ● 11.596 | H | Radio Classique | 30000 |
| ● 11.596 | H | Radio Plus | 30000 |
| ● 11.596 | H | Radio Reunion | 30000 |
| ● 11.596 | H | Radio Tana | 30000 |
| ● 11.596 | H | RTA Gasy Radio | 30000 |
| ● 11.596 | H | RTL | 30000 |
| ● 11.596 | H | Sport O FM | 30000 |
| ● 11.596 | H | Top FM | 30000 |
| ● 11.596 | H | MIM Mayotte | 30000 |
| ● 11.596 | H | RCF | 30000 |
| ● 11.658 | H | {Empty Name} | 30000 |
| 11.492 | H | Antenne Reunion | 29950 |
| 11.492 | H | BFM TV | 29950 |
| 11.492 | H | CC Classic | 29950 |
| 11.492 | H | CC Culte | 29950 |
| 11.492 | H | CC Emotions | 29950 |
| 11.492 | H | CC Famiz | 29950 |
| 11.492 | H | CC Frissons | 29950 |
| 11.492 | H | CC Premier | 29950 |
| 11.492 | H | CC Star | 29950 |
| 11.492 | H | Discovery | 29950 |
| 11.492 | H | M6 | 29950 |
| 11.492 | H | MANGAS | 29950 |
| 11.492 | H | Planete Juniors | 29950 |
| 11.492 | H | REAL TIME | 29950 |
| 11.492 | H | RTL9 | 29950 |
| 11.492 | H | Serie Club | 29950 |
| 11.492 | H | STAR AC 8 | 29950 |
| 11.492 | H | Supersport 3 | 29950 |
| 11.492 | H | TeleReunion | 29950 |
| 11.492 | H | Tempo | 29950 |
| 11.492 | H | Teva | 29950 |
| 11.492 | H | TF6 | 29950 |
| 11.492 | H | Cherie FM | 29950 |
| 11.492 | H | EXO FM | 29950 |
| 11.492 | H | Festival | 29950 |
| 11.492 | H | KOI | 29950 |
| 11.492 | H | Kreol FM | 29950 |
| 11.492 | H | NRJ Reunion | 29950 |
| 11.492 | H | Radio One | 29950 |
| 11.492 | H | RER | 29950 |

**Europe**
**ASTRA 1F,1G,1H,1KR,1L**
**19.2 East**

| Freq GHz | Pol | Channel Name | Symbol rate |
|---|---|---|---|
| 10.936 | V | RADIOBOB | |
| 11.656 | V | Antenne Brandenburg | |
| 11.656 | V | Fritz | |
| 11.656 | V | RBB 88acht | |
| 11.656 | V | RBB info | |
| 11.656 | V | RBB Kultur | |
| 11.656 | V | RBB Multikulti | |
| 11.656 | V | RBB Radio 1 | |
| 11.435 | V | PORTADA | 22000 |
| 11.435 | V | TCM MODERNO | 22000 |
| 11.435 | V | TELEFE INT | 22000 |
| 11.332 | H | Antenne Bayern | |
| 11.332 | H | Rock Antenne | |
| 11.720 | H | PREMIERE FILMCLAS | 27500 |
| 11.720 | H | PREMIERE FILMFEST | 27500 |
| 11.720 | H | PREMIERE NOSTALGI | 27500 |
| 11.720 | H | PREMIERE SPORT PO | 27500 |
| ● 11.739 | V | GAME ONE | 27500 |
| ● 11.739 | V | MTV | 27500 |
| 11.739 | V | MTV BASE | 27500 |
| 11.739 | V | MTV Dance | 27500 |
| 11.739 | V | MTV ESP | 27500 |
| 11.739 | V | MTV Hits | 27500 |
| 11.739 | V | MTV Hits. | 27500 |
| 11.739 | V | MTV TWO | 27500 |
| 11.739 | V | MTV TWO. | 27500 |
| ● 11.739 | V | Nick ESP | 27500 |
| 11.739 | V | NICKELODEON Franc | 27500 |
| 11.739 | V | VH1 | 27500 |
| 11.739 | V | VH1 Classic | 27500 |
| 11.739 | V | VH1 Classic. | 27500 |
| 11.739 | V | VH1. | 27500 |
| ● 11.758 | V | GAME ONE | 27500 |
| ● 11.758 | V | MTV | 27500 |
| 11.758 | V | MTV BASE | 27500 |
| 11.758 | V | MTV Dance | 27500 |
| 11.758 | V | MTV ESP | 27500 |
| 11.758 | V | MTV Hits | 27500 |
| 11.758 | V | MTV Hits. | 27500 |
| 11.758 | V | MTV TWO | 27500 |
| 11.758 | V | MTV TWO. | 27500 |
| ● 11.758 | V | Nick ESP | 27500 |
| 11.758 | V | NICKELODEON Franc | 27500 |
| 11.758 | V | VH1 | 27500 |
| 11.758 | V | VH1 Classic | 27500 |
| 11.758 | V | VH1 Classic. | 27500 |
| 11.758 | V | VH1. | 27500 |
| 11.759 | H | ANIMAL PLANET | 27500 |
| 11.759 | H | BEATE-UHSE.TV | 27500 |
| 11.759 | H | CLASSICA | 27500 |
| 11.759 | H | DISCOVERY CHANNEL | 27500 |
| 11.759 | H | DISCOVERY GESCHIC | 27500 |
| 11.759 | H | DISNEY CHANNEL | 27500 |
| 11.759 | H | FOCUS GESUNDHEIT | 27500 |
| 11.759 | H | JETIX | 27500 |
| 11.759 | H | JUNIOR | 27500 |
| ● 11.797 | H | FOX | 27500 |
| 11.797 | H | PREMIERE 1 | 27500 |
| 11.797 | H | PREMIERE 2 | 27500 |
| 11.797 | H | PREMIERE 3 | 27500 |
| 11.797 | H | PREMIERE 4 | 27500 |
| 11.797 | H | PREMIERE KRIMI | 27500 |
| 11.817 | V | C CINEMA EMOTION | 27500 |
| 11.817 | V | C CINEMA FRISSON | 27500 |
| 11.817 | V | HISTOIRE | 27500 |
| 11.817 | V | ITELE | 27500 |
| 11.817 | V | JIMMY | 27500 |
| 11.817 | V | LA CHAINE METEO | 27500 |
| 11.817 | V | MEZZO | 27500 |
| 11.817 | V | MEZZO. | 27500 |
| 11.817 | V | PARIS PREMIERE | 27500 |
| 11.817 | V | SEASONS | 27500 |
| 11.817 | V | SPORT+ | 27500 |
| 11.817 | V | EURONEWS | 27500 |
| 11.856 | V | EQUIDIA | 27500 |
| 11.856 | V | C CINEMA PREMIER | 27500 |
| 11.856 | V | CANAL+ | 27500 |
| 11.856 | V | CANAL+ CINEMA | 27500 |
| 11.856 | V | CANAL+ DECALE | 27500 |
| 11.856 | V | CANAL+ FAMILY | 27500 |
| 11.856 | V | CANAL+ SPORT | 27500 |
| 11.856 | V | DISNEY CHANNEL | 27500 |
| 11.856 | V | PMU sur Canal+ | 27500 |
| 11.876 | H | AXN (a/P) | 27500 |
| 11.876 | H | BOOMERANG (a/P) | 27500 |
| 11.876 | H | DISNEY PLAYHOUSE | 27500 |
| 11.876 | H | DISNEY TOON (P) | 27500 |
| 11.876 | H | E.CLIPS (P) | 27500 |
| 11.876 | H | KINOWELT TV (P) | 27500 |
| 11.876 | H | ROMANCE TV | 27500 |
| 11.876 | H | sportdigital.tv | 27500 |
| 11.876 | H | TCM (a/P) | 27500 |
| 11.876 | H | STAR XL LIVE | 27500 |
| 11.895 | V | CHEZ VOUS TV | 27500 |
| ● 11.895 | V | CINECINEMA CLUB | 27500 |
| 11.895 | V | M6 | 27500 |
| 11.895 | V | MCM | 27500 |
| 11.895 | V | MCM POP | 27500 |
| 11.895 | V | MCM TOP | 27500 |
| 11.895 | V | TF1 | 27500 |
| 11.895 | V | VIRGIN 17 | 27500 |
| 11.934 | V | CANAL J | 27500 |
| 11.934 | V | CUISINE TV | 27500 |
| 11.934 | V | EUROSPORT | 27500 |
| 11.934 | V | FILLES TV | 27500 |
| 11.934 | V | LCI | 27500 |
| 11.934 | V | PLANETE | 27500 |
| 11.934 | V | PLANETE JUNIORS | 27500 |
| 11.934 | V | SCI FI | 27500 |
| 11.934 | V | TIJI | 27500 |
| 11.934 | V | TMC | 27500 |
| 11.934 | V | VOYAGE | 27500 |
| 11.973 | V | MTV ENTERTAINMENT | 27500 |
| 11.973 | V | MTV Euro | 27500 |
| 11.973 | V | MTV IDOL | 27500 |
| 11.973 | V | MTV Music | 27500 |
| 11.973 | V | MTV NL | 27500 |
| 11.973 | V | MTV PULSE | 27500 |
| 11.973 | V | NICK PREMIUM (P) | 27500 |
| 11.973 | V | COMEDY CENTRAL Ge | 27500 |
| 11.973 | V | MTV Germany | 27500 |
| 11.973 | V | NICK Germany | 27500 |
| 11.973 | V | VIVA Germany | 27500 |
| 11.993 | H | Cool | 27500 |
| 11.993 | H | Duna TV | 27500 |
| 11.993 | H | Echo TV | 27500 |
| 11.993 | H | Film+ | 27500 |
| 11.993 | H | HBO | 27500 |
| 11.993 | H | HBO2 | 27500 |
| 11.993 | H | m2 | 27500 |
| 11.993 | H | Magyar ATV | 27500 |
| 11.993 | H | Minimax / Animax | 27500 |
| 11.993 | H | Sport 1 | 27500 |
| 11.993 | H | Sport 2 | 27500 |
| 11.993 | H | TV Deko | 27500 |
| 11.993 | H | TV Paprika | 27500 |
| 12.012 | V | A LA CARTE 10 | 27500 |
| 12.012 | V | A LA CARTE 11 | 27500 |
| 12.012 | V | ESPN CLASSIC | 27500 |
| 12.012 | V | FRANCE 2 | 27500 |
| 12.012 | V | FRANCE 3 | 27500 |
| 12.012 | V | MOTORS TV | 27500 |
| 12.012 | V | TELE MELODY | 27500 |
| 12.012 | V | TRACE TV | 27500 |
| 12.012 | V | CINE+ | 27500 |
| 12.012 | V | TELEREALITE | 27500 |
| 12.012 | V | A LA CARTE | 27500 |
| 12.031 | H | 13 TH STREET | 27500 |
| 12.031 | H | BLUE MOVIE | 27500 |
| 12.031 | H | MGM | 27500 |
| 12.031 | H | SCI FI | 27500 |
| 12.031 | H | PREMIERE DIREKT | 27500 |
| 12.305 | H | Animal Planet | 27500 |
| ● 12.305 | H | Discovery Channel | 27500 |
| 12.305 | H | Extreme Sports | 27500 |
| 12.305 | H | Hallmark | 27500 |
| 12.305 | H | HBO Comedy | 27500 |
| 12.305 | H | Hustler TV | 27500 |
| 12.305 | H | Jetix/Jetix Max | 27500 |
| 12.305 | H | JimJam | 27500 |
| ● 12.305 | H | National Geographic | 27500 |
| ● 12.305 | H | NOVA SPORT | 27500 |
| ● 12.305 | H | Zone Reality | 27500 |
| 12.383 | H | CT1 | 27500 |
| 12.383 | H | CT2 | 27500 |
| 12.383 | H | CT4 Sport | 27500 |
| 12.383 | H | Eurosport 2 | 27500 |
| 12.383 | H | Filmmuzeum | 27500 |
| 12.383 | H | NOVA Cinema | 27500 |
| 12.383 | H | Prima TV | 27500 |
| ● 12.383 | H | TEST | 27500 |
| 12.383 | H | TV JOJ | 27500 |
| 12.383 | H | TV Markiza | 27500 |
| 12.383 | H | TV Nova | 27500 |
| 12.383 | H | XXX | 27500 |
| 12.383 | H | CT24 | 27500 |
| 12.515 | H | Film1.1 | 22000 |
| 12.515 | H | Film1.2 | 22000 |
| 12.515 | H | NED1 | 22000 |
| 12.515 | H | NED2 | 22000 |
| 12.515 | H | NED3 | 22000 |
| 12.515 | H | NGC | 22000 |
| 12.515 | H | Nickelodeon/Comedy C | 22000 |
| 12.515 | H | Sport1 | 22000 |
| 12.515 | H | Classic FM | 22000 |
| 12.515 | H | Q-Music | 22000 |
| 12.515 | H | FunX | 22000 |
| 12.515 | H | R538 Dance Departmen | 22000 |
| 12.552 | V | [tru:] young tv | 22000 |
| 12.552 | V | Astra Vision | 22000 |
| 12.552 | V | Bloomberg TV Germany | 22000 |
| 12.552 | V | Chamber TV | 22000 |
| ● 12.552 | V | em24 | 22000 |
| 12.552 | V | eUrotic NEU | 22000 |
| 12.552 | V | LibertyTV FR | 22000 |
| 12.552 | V | LUXE.TV SD | 22000 |
| 12.552 | V | Medi1SAT | 22000 |
| 12.552 | V | QVC Deutschland | 22000 |
| 12.552 | V | RTL Tele Letzebuerg | 22000 |
| 12.574 | H | Action/Etalage | 22000 |
| 12.574 | H | Eredivisielive 1 | 22000 |
| 12.574 | H | Film1.3 | 22000 |
| 12.574 | H | NET5 | 22000 |
| 12.574 | H | SBS6 | 22000 |
| 12.574 | H | TMF | 22000 |
| 12.574 | H | Veronica/JETIX | 22000 |
| 12.574 | H | BiB | 22000 |
| 12.574 | H | BVN | 22000 |
| 12.574 | H | NL-3FM | 22000 |
| 12.574 | H | NL-Radio 2 | 22000 |
| 12.574 | H | NL-Radio 4 | 22000 |
| 12.574 | H | CAZ! | 22000 |
| 12.574 | H | Juize.FM | 22000 |
| 12.574 | H | KINK FM | 22000 |
| 12.574 | H | NL-Radio 1 | 22000 |
| 12.574 | H | NL-Radio 5 | 22000 |
| 12.574 | H | NL-Radio 6 | 22000 |
| 12.574 | H | Radio Veronica | 22000 |
| 12.574 | H | Radio10Gold | 22000 |
| 12.574 | H | Radio538 | 22000 |
| 12.574 | H | RNW1 | 22000 |
| 12.574 | H | RNW2 | 22000 |
| 12.574 | H | RNW3 | 22000 |
| 12.574 | H | Sky Radio | 22000 |
| 12.604 | H | WDR Aachen | 22000 |
| 12.604 | H | WDR Bonn | 22000 |
| 12.604 | H | WDR Duisburg | 22000 |
| 12.604 | H | WDR Wuppertal | 22000 |
| ● 12.669 | V | EUROSPORT HD | 22000 |
| ● 12.669 | V | USHUAIA TV HD | 22000 |
| ● 11.778 | V | MTVNHD | 27500 |
| 11.778 | V | Boomerang | 27500 |
| 11.778 | V | Cartoon Network | 27500 |
| 11.778 | V | TCM | 27500 |
| 11.778 | V | TVBS | 27500 |
| 11.778 | V | CNN Int. | 27500 |
| 11.778 | V | CNN Radio | 27500 |
| 11.836 | H | Bayerisches FS Nord | 27500 |
| 11.836 | H | Bayerisches FS Süd | 27500 |
| 11.836 | H | BR-alpha* | 27500 |
| 11.836 | H | Das Erste | 27500 |
| 11.836 | H | hr-fernsehen | 27500 |
| 11.836 | H | SWR Fernsehen BW | 27500 |
| 11.836 | H | WDR Köln | 27500 |
| 11.915 | H | DISCOVERY HD | 27500 |
| 11.915 | H | PREMIERE HD | 27500 |
| 11.915 | H | ANIXE HD | 27500 |
| 11.915 | H | ASTRA HD+ | 27500 |
| 11.954 | H | 3sat | 27500 |
| 11.954 | H | KiKa | 27500 |
| 11.954 | H | ZDF | 27500 |
| 11.954 | H | ZDFdokukanal | 27500 |
| 11.954 | H | ZDFinfokanal | 27500 |
| 11.954 | H | ZDFtheaterkanal | 27500 |
| 11.954 | H | DKULTUR | 27500 |
| 11.954 | H | DLF | 27500 |
| 11.954 | H | Dok&Deb | 27500 |
| 12.051 | V | PULS 4 Austria | 27500 |
| 12.051 | V | Kabel 1 Austria | 27500 |
| 12.051 | V | Kabel 1 Schweiz | 27500 |
| 12.051 | V | ProSieben Austria | 27500 |
| 12.051 | V | ProSieben Schweiz | 27500 |
| 12.051 | V | SAT.1 A | 27500 |
| 12.051 | V | SAT.1 CH | 27500 |
| 12.070 | H | 1-2-3.tv | 27500 |
| 12.070 | H | GOLDSTAR TV | 27500 |
| 12.070 | H | HEIMATKANAL | 27500 |
| 12.070 | H | HIT24 | 27500 |
| 12.070 | H | PREMIERE START | 27500 |
| 12.070 | H | RTL CRIME | 27500 |
| 12.070 | H | RTL PASSION | 27500 |
| 12.070 | H | P-60ER/70ER | 27500 |
| 12.070 | H | P-80ER/90ER | 27500 |
| 12.070 | H | P-COUNTRY | 27500 |
| 12.070 | H | P-DEUTSCHE CHARTS | 27500 |
| 12.070 | H | P-LOVE SONGS | 27500 |
| 12.070 | H | P-RnB/HIP HOP | 27500 |
| 12.070 | H | P-ROCK HYMNEN | 27500 |
| 12.090 | V | C CINEMA STAR | 27500 |
| 12.090 | V | DISCOVERY | 27500 |
| 12.090 | V | INFOSPORT | 27500 |
| 12.090 | V | M6 MUSIC HITS | 27500 |
| 12.090 | V | PINK TV/PINK X | 27500 |
| 12.090 | V | SERIE CLUB | 27500 |
| 12.090 | V | TELETOON | 27500 |
| 12.090 | V | TELETOON+1 | 27500 |
| 12.090 | V | TPS STAR | 27500 |
| 12.090 | V | W9 | 27500 |
| 12.110 | H | ARD-TEST-2 | 27500 |
| 12.110 | H | MDR S-Anhalt | 27500 |
| 12.110 | H | MDR Sachsen | 27500 |
| 12.110 | H | MDR Thüringen | 27500 |
| 12.110 | H | NDR FS HH | 27500 |
| 12.110 | H | NDR FS MV | 27500 |
| 12.110 | H | NDR FS NDS | 27500 |
| 12.110 | H | NDR FS SH | 27500 |
| 12.110 | H | rbb Berlin | 27500 |
| 12.110 | H | rbb Brandenburg | 27500 |
| 12.110 | H | SWR Fernsehen RP | 27500 |
| 12.110 | H | ARD-Online-Kanal | 27500 |
| 12.129 | V | A LA CARTE 1 | 27500 |
| 12.129 | V | A LA CARTE 13 | 27500 |
| 12.129 | V | A LA CARTE 14 | 27500 |
| 12.129 | V | A LA CARTE 2 | 27500 |
| 12.129 | V | A LA CARTE 3 | 27500 |
| 12.129 | V | A LA CARTE 4 | 27500 |
| 12.129 | V | A LA CARTE 5 | 27500 |
| 12.129 | V | A LA CARTE 6 | 27500 |
| 12.129 | V | A LA CARTE 7 | 27500 |
| 12.129 | V | A LA CARTE 8 | 27500 |
| 12.129 | V | A LA CARTE 9 | 27500 |
| 12.149 | H | Alpenglühen TVX | 27500 |
| 12.149 | H | BD 4 | 27500 |
| 12.149 | H | PFH | 27500 |
| 12.149 | H | PREMIERE Austria | 27500 |
| 12.149 | H | Der Schmuckkanal | 27500 |
| 12.149 | H | GOD Channel | 27500 |
| ● 12.149 | H | HOPE Channel deutsch | 27500 |
| 12.149 | H | Q TV SHOP | 27500 |
| 12.149 | H | RNF | 27500 |
| 12.149 | H | TIER.TV | 27500 |
| 12.149 | H | Voyages Television | 27500 |
| 12.149 | H | YAVIDO CLIPS | 27500 |
| 12.149 | H | 2255 Gewinnradio | 27500 |
| 12.149 | H | ANTENNE BAYERN | 27500 |
| 12.149 | H | ERF Radio | 27500 |
| 12.149 | H | ROCK ANTENNE | 27500 |
| 12.149 | H | sunshine live | 27500 |
| 12.168 | V | C CINEMA 16/9 | 27500 |
| 12.168 | V | EUROSPORT 2 | 27500 |
| 12.168 | V | EXTREME SPORTS | 27500 |
| 12.168 | V | FRANCE 4 | 27500 |
| 12.168 | V | NAT GEO WILD | 27500 |
| 12.168 | V | PIWI | 27500 |
| 12.168 | V | TF6 | 27500 |
| 12.168 | V | USHUAIA TV | 27500 |
| ● 12.168 | V | A LA DEMANDE | 27500 |
| 12.188 | H | n-tv | 27500 |
| 12.188 | H | RTL HB NDS | 27500 |
| 12.188 | H | RTL HH SH | 27500 |
| 12.188 | H | RTL Shop | 27500 |
| 12.188 | H | RTL SHOP | 27500 |
| 12.188 | H | RTL Television | 27500 |
| 12.188 | H | RTL2 | 27500 |
| 12.188 | H | Super RTL | 27500 |
| 12.188 | H | Super RTL CH | 27500 |
| 12.188 | H | VOX | 27500 |
| 12.188 | H | VOX CH | 27500 |
| 12.207 | V | A LA CARTE 12 | 27500 |
| 12.207 | V | FRANCE 5 | 27500 |
| 12.207 | V | FRANCE Ô | 27500 |
| 12.207 | V | OLTV | 27500 |
| 12.207 | V | OM'TV | 27500 |
| 12.207 | V | PLANETE THALASSA | 27500 |
| 12.207 | V | PLAYBOY TV | 27500 |
| 12.207 | V | TV BREIZH | 27500 |
| 12.207 | V | ADO | 27500 |
| 12.207 | V | ALOUETTE | 27500 |
| 12.207 | V | BBC ARABIC | 27500 |
| 12.207 | V | BBCW SERVICE | 27500 |
| 12.207 | V | BEUR FM | 27500 |
| 12.207 | V | BFM | 27500 |
| 12.207 | V | CANALSAT RADIOS | 27500 |
| 12.207 | V | CHERIE FM | 27500 |
| 12.207 | V | CONTACT FM | 27500 |
| 12.207 | V | COULEUR 3 | 27500 |
| 12.207 | V | EUROPE 1 | 27500 |
| 12.207 | V | FIP | 27500 |
| 12.207 | V | FRANCE BLEU IDF | 27500 |
| 12.207 | V | France CULTURE | 27500 |
| 12.207 | V | France INFO | 27500 |
| 12.207 | V | France INTER | 27500 |
| 12.207 | V | FRANCE MUSIQUE | 27500 |
| 12.207 | V | FUN RADIO | 27500 |
| 12.207 | V | JAZZ RADIO | 27500 |
| 12.207 | V | LE MOUV | 27500 |
| 12.207 | V | MC DOUALIYA | 27500 |
| 12.207 | V | MEDI 1 | 27500 |
| 12.207 | V | NOSTALGIE | 27500 |
| 12.207 | V | NRJ | 27500 |
| 12.207 | V | OUI FM | 27500 |
| 12.207 | V | PARENTHESE RADIO | 27500 |
| 12.207 | V | RADIO 1 | 27500 |
| 12.207 | V | RADIO 2 | 27500 |
| 12.207 | V | RADIO 3 | 27500 |
| 12.207 | V | RADIO ALPHA | 27500 |
| 12.207 | V | RADIO CLASSIQUE | 27500 |
| 12.207 | V | RADIO COURTOISIE | 27500 |
| 12.207 | V | RADIO FG | 27500 |
| 12.207 | V | RADIO FRANCE | 27500 |
| 12.207 | V | RADIO INT | 27500 |
| 12.207 | V | RADIO INT 2 | 27500 |
| 12.207 | V | RADIO LATINA | 27500 |
| 12.207 | V | RADIO NOTRE-DAME | 27500 |
| 12.207 | V | RADIO NOVA | 27500 |
| 12.207 | V | RADIOS 2 | 27500 |
| 12.207 | V | RADIOS 3 | 27500 |
| 12.207 | V | RCJ / SHALOM | 27500 |
| 12.207 | V | RF | 27500 |
| 12.207 | V | RFI INT | 27500 |
| 12.207 | V | RFI MULTILINGUE | 27500 |
| 12.207 | V | RFM | 27500 |
| 12.207 | V | RIRE & CHANSONS | 27500 |
| 12.207 | V | RMC | 27500 |
| 12.207 | V | RTL | 27500 |
| 12.207 | V | RTL 2 | 27500 |
| 12.207 | V | SKYROCK | 27500 |
| 12.207 | V | SUD RADIO | 27500 |
| 12.207 | V | TSF | 27500 |
| 12.207 | V | VIBRATION | 27500 |
| 12.207 | V | VIRGIN RADIO | 27500 |
| 12.207 | V | VOLTAGE | 27500 |
| 12.207 | V | WRN | 27500 |
| 12.227 | H | EuroNews | 27500 |
| 12.227 | H | Eurosport | 27500 |
| 12.227 | H | HSE24 Digital | 27500 |
| 12.227 | H | MTV AUSTRIA | 27500 |
| 12.227 | H | NICK AUSTRIA | 27500 |
| 12.227 | H | RTL Austria | 27500 |
| 12.227 | H | RTL2 Austria | 27500 |
| 12.227 | H | Super RTL A | 27500 |
| 12.227 | H | VOX Austria | 27500 |
| 12.246 | V | .6live | 27500 |
| 12.246 | V | 2255live | 27500 |
| 12.246 | V | 666 Girls.TV | 27500 |
| 12.246 | V | A1 Teleshop | 27500 |
| 12.246 | V | AbsolutSexy.TV | 27500 |
| 12.246 | V | ACHTUNG Singles.TV | 27500 |
| 12.246 | V | AllesfürsHandy | 27500 |
| 12.246 | V | Amore TV | 27500 |
| 12.246 | V | Beate Uhse Sexy Sat | 27500 |
| 12.246 | V | Blitzkontakt.TV | 27500 |
| 12.246 | V | Dateline | 27500 |
| 12.246 | V | DELUXE MUSIC | 27500 |
| 12.246 | V | DIE NEUE ZEIT TV | 27500 |
| 12.246 | V | DMAX | 27500 |
| 12.246 | V | DrDish Television | 27500 |
| 12.246 | V | EroticDome | 27500 |
| 12.246 | V | Franken SAT | 27500 |
| 12.246 | V | Friends TV | 27500 |
| 12.246 | V | Gebrauchtwagen TV | 27500 |
| 12.246 | V | Gratis Hot TV | 27500 |
| 12.246 | V | Herzschlag69 | 27500 |
| 12.246 | V | Hot Girls TV | 27500 |
| 12.246 | V | Kanal-XXX.TV | 27500 |
| 12.246 | V | Liebesglück.TV | 27500 |
| 12.246 | V | Liebestraum.TV | 27500 |
| 12.246 | V | LokalSAT | 27500 |
| 12.246 | V | maennerwelt.tv | 27500 |
| 12.246 | V | Mallorca.TV | 27500 |
| 12.246 | V | Musicmax | 27500 |
| 12.246 | V | münchen.tv/RFO | 27500 |
| 12.246 | V | ONTV Regional | 27500 |
| 12.246 | V | Partnersuche.TV | 27500 |
| 12.246 | V | Po6 | 27500 |
| 12.246 | V | Pro Erotik TV | 27500 |
| 12.246 | V | ReiseSchnäppchen.TV | 27500 |
| 12.246 | V | Ringtone TV | 27500 |
| 12.246 | V | SAT Erotiktreff.TV | 27500 |
| 12.246 | V | SexyGirls.TV | 27500 |
| 12.246 | V | tele6.tv | 27500 |
| 12.246 | V | tirol tv | 27500 |
| 12.246 | V | Top Girl Sex TV | 27500 |
| 12.246 | V | Traumkontakt.tv | 27500 |
| 12.246 | V | TVM/WWTV | 27500 |
| 12.246 | V | Venusclub.TV | 27500 |
| 12.246 | V | Zack Erotik TV | 27500 |
| 12.246 | V | DELUXE LOUNGE | 27500 |
| 12.246 | V | DELUXE RADIO | 27500 |
| 12.246 | V | TEDDY | 27500 |
| 12.265 | H | BR-alpha | 27500 |
| 12.265 | H | SR Fernsehen | 27500 |
| 12.265 | H | 1LIVE | 27500 |
| 12.265 | H | 1LIVE diggi | 27500 |
| 12.265 | H | Antenne Brandenburg | 27500 |
| 12.265 | H | B5 aktuell | 27500 |
| 12.265 | H | B5 plus | 27500 |
| 12.265 | H | Bayern 1 | 27500 |
| 12.265 | H | Bayern 2 | 27500 |
| 12.265 | H | BAYERN 3 | 27500 |
| 12.265 | H | BAYERN 4 KLASSIK | 27500 |
| 12.265 | H | BAYERN plus | 27500 |
| 12.265 | H | BR Verkehr | 27500 |
| 12.265 | H | Bremen Eins | 27500 |
| 12.265 | H | Bremen Vier | 27500 |
| 12.265 | H | DASDING | 27500 |
| 12.265 | H | DW 1 | 27500 |
| 12.265 | H | DW 4 | 27500 |
| 12.265 | H | Fritz | 27500 |
| 12.265 | H | hr iNFO | 27500 |
| 12.265 | H | hr iNFO + | 27500 |
| 12.265 | H | hr1 | 27500 |
| 12.265 | H | hr2 | 27500 |
| 12.265 | H | hr3 | 27500 |
| 12.265 | H | hr4 | 27500 |
| 12.265 | H | Inforadio | 27500 |
| 12.265 | H | JUMP | 27500 |
| 12.265 | H | Kulturradio | 27500 |
| 12.265 | H | MDR FIGARO | 27500 |
| 12.265 | H | MDR Info | 27500 |
| 12.265 | H | MDR SPUTNIK | 27500 |
| 12.265 | H | MDR1 SA-ANHALT | 27500 |
| 12.265 | H | MDR1 SACHSEN | 27500 |
| 12.265 | H | MDR1 THÜRINGEN | 27500 |
| 12.265 | H | N-JOY | 27500 |
| 12.265 | H | NDR 1 Nieders. | 27500 |
| 12.265 | H | NDR 1 Radio MV | 27500 |
| 12.265 | H | NDR 2 | 27500 |
| 12.265 | H | NDR 90,3 | 27500 |
| 12.265 | H | NDR Info | 27500 |
| 12.265 | H | NDR Info Spez. | 27500 |
| 12.265 | H | NDR Kultur | 27500 |
| 12.265 | H | NDR1WelleNord | 27500 |
| 12.265 | H | Nordwestradio | 27500 |
| 12.265 | H | on3radio | 27500 |
| 12.265 | H | radioBERLIN 88,8 | 27500 |
| 12.265 | H | radioeins | 27500 |
| 12.265 | H | radiomultikulti | 27500 |
| 12.265 | H | SR1 Europawelle | 27500 |
| 12.265 | H | SR2 KulturRadio | 27500 |
| 12.265 | H | SR3 Saarlandwelle | 27500 |
| 12.265 | H | SWR 1 BW | 27500 |
| 12.265 | H | SWR 1 RP | 27500 |
| 12.265 | H | SWR 2 | 27500 |
| 12.265 | H | SWR 3 | 27500 |
| 12.265 | H | SWR 4 BW | 27500 |
| 12.265 | H | SWR 4 RP | 27500 |
| 12.265 | H | SWR cont.ra | 27500 |
| 12.265 | H | WDR 2 | 27500 |
| 12.265 | H | WDR 2 Klassik | 27500 |
| 12.265 | H | WDR 3 | 27500 |
| 12.265 | H | WDR 4 | 27500 |
| 12.265 | H | WDR 5 | 27500 |
| 12.265 | H | WDR Event | 27500 |
| 12.265 | H | WDR Funkhaus Europa | 27500 |
| 12.265 | H | YOU FM | 27500 |
| 12.285 | V | XXL | 27500 |
| 12.285 | V | AB MOTEURS | 27500 |
| 12.285 | V | AB1 | 27500 |
| 12.285 | V | ACTION | 27500 |
| 12.285 | V | ANIMAUX | 27500 |
| 12.285 | V | CINE FX | 27500 |
| 12.285 | V | CINE POLAR | 27500 |
| 12.285 | V | ENCYCLOPEDIA | 27500 |
| 12.285 | V | ESCALES | 27500 |
| 12.285 | V | MANGAS | 27500 |
| 12.285 | V | RTL9 | 27500 |
| 12.285 | V | toute L'HISTOIRE | 27500 |
| 12.285 | V | LCP | 27500 |
| 12.285 | V | NT1 | 27500 |
| ● 12.324 | V | MOSAIQUE C+ | 27500 |
| 12.324 | V | ONZEO | 27500 |
| 12.324 | V | PRIVATE SPICE | 27500 |
| ● 12.324 | V | YACHT AND SAIL | 27500 |
| 12.324 | V | CASH TV | 27500 |
| 12.324 | V | MOSA 2 | 27500 |
| 12.324 | V | MOSA 3 | 27500 |
| 12.324 | V | MOSA 4 | 27500 |
| 12.324 | V | MOSA 5 | 27500 |
| ● 12.324 | V | MOSAIQUE | 27500 |
| 12.324 | V | CDN12 | 27500 |
| 12.324 | V | {Empty} | 27500 |
| 12.344 | H | Animal Planet | 27500 |
| 12.344 | H | Cartoon/TCM | 27500 |
| 12.344 | H | Discovery | 27500 |
| 12.344 | H | DORCEL TV | 27500 |
| 12.344 | H | EUROSPORT | 27500 |
| 12.344 | H | Hallmark | 27500 |
| 12.344 | H | RTL4 | 27500 |
| 12.344 | H | RTL5 | 27500 |
| 12.344 | H | RTL7 | 27500 |
| 12.344 | H | RTL8 | 27500 |
| 12.344 | H | TV Oranje | 27500 |
| ● 12.344 | H | RTL 1440 | 27500 |
| 12.344 | H | RTL RADIO | 27500 |
| 12.344 | H | RVi1 (VRT) | 27500 |
| 12.344 | H | RVi2 (VRT) | 27500 |
| 12.363 | V | DT1 | 27500 |
| 12.363 | V | DT15 | 27500 |
| 12.363 | V | DT16 | 27500 |
| 12.363 | V | DT18 | 27500 |
| 12.363 | V | DT4 | 27500 |
| 12.363 | V | DT5 | 27500 |
| 12.363 | V | DT6 | 27500 |
| 12.363 | V | DT8 | 27500 |
| 12.363 | V | DT9 | 27500 |
| 12.363 | V | CE SOIR | 27500 |
| 12.363 | V | DT13 | 27500 |
| 12.363 | V | DT2 | 27500 |
| 12.363 | V | DT20 | 27500 |
| ● 12.363 | V | EUROSPORT HD | 27500 |
| 12.363 | V | {Empty} | 27500 |
| 12.402 | V | 13EME RUE | 27500 |
| 12.402 | V | C CINEMA CLASSIC | 27500 |
| 12.402 | V | C CINEMA FAMIZ | 27500 |
| 12.402 | V | COMEDIE ! | 27500 |
| 12.402 | V | EQUIDIA INFO | 27500 |
| 12.402 | V | JETIX | 27500 |
| 12.402 | V | L'EQUIPE TV | 27500 |
| 12.402 | V | NATIONAL GEO | 27500 |
| 12.402 | V | NRJ 12 | 27500 |
| 12.402 | V | PLANETE NO LIMIT | 27500 |
| 12.402 | V | REAL TIME | 27500 |
| 12.422 | H | EinsFestival HD | 27500 |
| 12.422 | H | Radio Bremen TV | 27500 |
| 12.422 | H | WDR Bielefeld | 27500 |
| 12.422 | H | WDR Dortmund | 27500 |
| 12.422 | H | WDR Düsseldorf | 27500 |
| 12.422 | H | WDR Essen | 27500 |
| 12.422 | H | WDR Münster | 27500 |
| 12.422 | H | WDR Siegen | 27500 |
| 12.422 | H | WDR Test A | 27500 |
| 12.422 | H | MEHRKANALTEST | 27500 |
| 12.441 | V | ANIMAX (a/P) | 27500 |
| 12.441 | V | Biography Channel | 27500 |
| 12.441 | V | Bundesliga HOME | 27500 |
| 12.441 | V | Cartoon Network (a/P | 27500 |
| 12.441 | V | EuroSport 2 (a/P) | 27500 |
| 12.441 | V | FOX | 27500 |
| 12.441 | V | History Channel | 27500 |
| 12.441 | V | Kinowelt | 27500 |
| 12.441 | V | National Geographic | 27500 |
| 12.441 | V | RTL Living | 27500 |
| 12.441 | V | Bundesliga 1 | 27500 |
| 12.441 | V | Bundesliga 2 | 27500 |
| 12.441 | V | Bundesliga 3 | 27500 |
| 12.441 | V | Bundesliga 4 | 27500 |
| 12.441 | V | Bundesliga 7 | 27500 |
| 12.441 | V | Bundesliga 8 | 27500 |
| 12.441 | V | Bundesliga INFO | 27500 |
| 12.441 | V | Playboy TV (a) | 27500 |
| 12.461 | H | 1-2-3.tv | 27500 |
| 12.461 | H | 3A TV | 27500 |
| 12.461 | H | ANIXE SD | 27500 |
| 12.461 | H | DAS VIERTE | 27500 |
| 12.461 | H | Daystar Television N | 27500 |
| 12.461 | H | Deutsches Gesundheit | 27500 |
| 12.461 | H | ERF | 27500 |
| 12.461 | H | GIGA | 27500 |
| 12.461 | H | imusic TV | 27500 |
| 12.461 | H | JAMBA! TV | 27500 |
| 12.461 | H | tv.gusto | 27500 |
| 12.461 | H | domradio | 27500 |
| 12.461 | H | HOPE Channel Radio | 27500 |
| 12.461 | H | Klassik Radio | 27500 |
| 12.461 | H | oldiestar* | 27500 |
| 12.480 | V | AstroTV | 27500 |
| 12.480 | V | DAF-AnlegerTV | 27500 |
| 12.480 | V | DSF | 27500 |
| 12.480 | V | equi8 | 27500 |
| 12.480 | V | glück TV | 27500 |
| 12.480 | V | HSE24 | 27500 |
| 12.480 | V | meinTVshop | 27500 |
| 12.480 | V | Sonnenklar TV | 27500 |
| 12.480 | V | SpiritON.TV | 27500 |
| 12.480 | V | TELE 5 | 27500 |
| 12.480 | V | XXHOME | 27500 |
| 12.522 | V | CANAL HD TEST 3 | 22000 |
| ● 12.522 | V | FRANCE 2 HD | 22000 |
| 12.522 | V | NATIONAL GEO HD | 22000 |
| ● 12.581 | V | 13EME RUE HD | 22000 |
| 12.640 | V | BLOOMBERG TV | 22000 |
| 12.640 | V | DISNEY CHANNEL+1 | 22000 |
| 12.640 | V | DISNEY CINEMAGIC | 22000 |
| 12.640 | V | DISNEY MAGIC+1 | 22000 |
| 12.640 | V | E! ENTERTAINMENT | 22000 |
| 12.640 | V | GULLI | 22000 |
| 12.640 | V | PLAYHOUSE DISNEY | 22000 |
| 12.640 | V | TEVA | 22000 |
| 12.640 | V | C CINEMA 16/9 | 22000 |
| 12.663 | H | AUSTRIA 9 TV | 22000 |
| 12.663 | H | NASN | 22000 |
| 12.663 | H | NASN (P) | 22000 |
| 12.663 | H | .Ab18 | 22000 |
| 12.663 | H | AKTIV DIREKT TV | 22000 |
| 12.663 | H | ALL FUN TV | 22000 |
| 12.663 | H | Bundesliga 9 | 22000 |
| 12.663 | H | GoTV | 22000 |
| 12.663 | H | Heiße Nummer | 22000 |
| 12.663 | H | INNSAT.TV | 22000 |
| 12.663 | H | Intim TV | 22000 |
| 12.663 | H | Kuren und Wellness | 22000 |
| 12.663 | H | Kurven-Reich | 22000 |
| 12.663 | H | Liebeskanal | 22000 |
| 12.663 | H | Piep Show | 22000 |
| 12.663 | H | Spass im TV | 22000 |
| 12.663 | H | Telesünde | 22000 |
| 12.663 | H | TW1 | 22000 |
| 12.663 | H | Uschi TV | 22000 |
| 12.663 | H | Uschi´s Schwestern | 22000 |
| 12.663 | H | Visit-X.TV | 22000 |
| 12.663 | H | VivaGina | 22000 |
| 12.663 | H | Weiber TV | 22000 |
| 12.663 | H | FM4 | 22000 |
| 12.663 | H | OE1 | 22000 |
| 12.663 | H | OE1 DD | 22000 |
| 12.663 | H | OE2 B | 22000 |
| 12.663 | H | OE2 K | 22000 |
| 12.663 | H | OE2 N | 22000 |
| 12.663 | H | OE2 O | 22000 |
| 12.663 | H | OE2 S | 22000 |
| 12.663 | H | OE2 St | 22000 |
| 12.663 | H | OE2 T | 22000 |
| 12.663 | H | OE2 V | 22000 |
| 12.663 | H | OE2 W | 22000 |
| 12.663 | H | OE3 | 22000 |
| 12.663 | H | RADIO MARIA | 22000 |
| 12.663 | H | Ö1 International | 22000 |
| 12.692 | H | ORF2 | 22000 |
| 12.692 | H | ORF2 N | 22000 |
| 12.692 | H | ORF2 O | 22000 |
| 12.692 | H | ORF2 St | 22000 |
| 12.692 | H | ORF2 T | 22000 |
| 12.692 | H | ORF2 V | 22000 |
| 12.692 | H | ATV+ | 22000 |
| 12.692 | H | Bundesliga 5 | 22000 |
| 12.692 | H | Bundesliga 6 | 22000 |
| 12.692 | H | ORF1 | 22000 |
| 12.692 | H | ORF2 B | 22000 |
| 12.692 | H | ORF2 K | 22000 |
| 12.692 | H | ORF2 S | 22000 |
| 12.692 | H | ORF2 W | 22000 |
| 12.692 | H | HITRADIO OE3 | 22000 |
| 12.692 | H | ORF2E | 22000 |
| 11.009 | V | 2 Klassik | |
| 11.009 | V | Bremen 4 | |
| 11.009 | V | Vera | |
| 11.009 | V | WDR Europa WDR5 | |
| 11.053 | H | EinsLive | |
| 11.053 | H | WDR 2 | |
| 11.053 | H | WDR 3 | |
| 11.053 | H | WDR 4 | |
| 11.053 | H | WDR 5 | |
| 11.068 | V | HR 1 | |
| 11.068 | V | HR 2 | |
| 11.068 | V | HR 3 | |
| 11.068 | V | HR 4 | |
| 11.068 | V | HR Info | |
| 11.068 | V | HR Info + | |
| 11.068 | V | You FM | |
| 11.112 | H | Jump | |
| 11.112 | H | MDR Figaro | |
| 11.112 | H | MDR Info | |
| 11.112 | H | MDR Sputnik | |
| 11.141 | H | Bayern 3 | |
| 11.141 | H | Bayern 4 | |
| 11.141 | H | Bayern 5 Plus | |
| 11.141 | H | Bayern1 Oberbayern | |
| 11.141 | H | Bayern2 Radio | |
| 11.186 | V | Cont.RA | |
| 11.186 | V | DasDing | |
| 11.186 | V | SWR 1 Baden Wurttemb | |
| 11.186 | V | SWR 1 Rheinland Pfal | |
| 11.186 | V | SWR 2 Baden Wurttemb | |
| 11.186 | V | SWR 2 RP | |
| 11.186 | V | SWR 3 | |
| 11.186 | V | SWR 4 BW Stuttgart | |
| 11.186 | V | SWR 4 RP Kaisersla | |
| 11.494 | H | ARD-Sternpunkt 1 (Su | |
| 11.494 | H | ARD-Sternpunkt 2 (Su | |
| 11.494 | H | Bremen 1 | |
| 11.494 | H | DeutschlandRadio Kul | |
| 11.494 | H | DLF | |
| 11.494 | H | Nordwest | |
| ● 11.509 | V | Al Jazeera English | 22000 |
| 11.509 | V | Arirang TV | 22000 |
| 11.509 | V | BFM TV | 22000 |
| 11.509 | V | Cubavision Internaci | 22000 |
| 11.509 | V | Demain | 22000 |
| 11.509 | V | Extremadura TV | 22000 |
| ● 11.509 | V | NHK World TV | 22000 |
| 11.509 | V | NRJ Paris | 22000 |
| 11.509 | V | Popular TV | 22000 |
| 11.509 | V | RedeRecord | 22000 |
| 11.538 | V | Aragon TV | 22000 |
| ● 11.538 | V | CCTV F | 22000 |
| 11.538 | V | Direct 8 | 22000 |
| 11.538 | V | EWTN Europe | 22000 |
| 11.538 | V | France 24 (en França | 22000 |
| 11.538 | V | France 24 (in Englis | 22000 |
| 11.538 | V | KTO | 22000 |
| 11.538 | V | NRJ Hits | 22000 |
| 11.538 | V | Russia Today | 22000 |
| 11.538 | V | Telesur | 22000 |
| 11.538 | V | Radio Aragon | 22000 |
| 11.568 | V | 2M Maroc | 22000 |
| 11.568 | V | Al Jazeera | 22000 |
| 11.568 | V | Al Masriya | 22000 |
| 11.568 | V | ARTE | 22000 |
| 11.568 | V | CANAL ALGERIE | 22000 |
| 11.568 | V | RAI 1 | 22000 |
| 11.568 | V | RTPI | 22000 |
| 11.568 | V | TRT International | 22000 |
| 11.568 | V | TV5MONDE | 22000 |
| 11.568 | V | TV7 | 22000 |
| 11.568 | V | TVEi | 22000 |
| 11.582 | H | N-Joy | |
| 11.582 | H | NDR 2 | |
| 11.582 | H | NDR Info | |
| 11.582 | H | NDR Info Spezial (su | |
| 11.582 | H | NDR Info Spezial (su | |
| 11.582 | H | NDR Kultur | |
| 11.597 | V | BBC World | 22000 |
| 11.597 | V | Best of shopping | 22000 |
| 11.597 | V | CNBC Europe | 22000 |
| 11.597 | V | DW-TV | 22000 |
| 11.597 | V | M6 BOUTIQUE LA CH | 22000 |
| 11.597 | V | Sky News | 22000 |
| 11.597 | V | TV5MONDE EUROPE | 22000 |
| 12.545 | H | kabel eins classics | 22000 |
| 12.545 | H | Sat.1 Comedy | 22000 |
| 12.545 | H | 9Live | 22000 |
| 12.545 | H | kabel eins | 22000 |
| 12.545 | H | N24 | 22000 |
| 12.545 | H | ProSieben | 22000 |
| 12.545 | H | SAT.1 | 22000 |
| 12.611 | V | CANAL+ | 22000 |
| ● 12.611 | V | M6 MUSIC BLACK | 22000 |
| ● 12.611 | V | M6 MUSIC ROCK | 22000 |
| ● 12.611 | V | MA CHAINE SPORT | 22000 |
| ● 12.611 | V | ODYSSEE | 22000 |
| ● 12.611 | V | PLANETE JUSTICE | 22000 |
| ● 12.611 | V | VIVOLTA | 22000 |
| 12.633 | H | 123Damenwahl | 22000 |
| 12.633 | H | Camshots TV | 22000 |
| 12.633 | H | Das Erotische TV | 22000 |
| 12.633 | H | Date Line | 22000 |
| 12.633 | H | Deutsche Girls 2 | 22000 |
| 12.633 | H | dhd24 plus | 22000 |
| 12.633 | H | dhd24.tv | 22000 |
| 12.633 | H | Dreamgirls.TV | 22000 |
| 12.633 | H | Erotik 24 | 22000 |
| 12.633 | H | Erotik Sat | 22000 |
| 12.633 | H | Fotohandy | 22000 |
| 12.633 | H | Gratis Hot TV NEU | 22000 |
| 12.633 | H | jeden Tag x | 22000 |
| 12.633 | H | Juwelo TV | 22000 |
| 12.633 | H | K-TV | 22000 |
| 12.633 | H | Kamasutra TV | 22000 |
| 12.633 | H | Lustkanal.TV | 22000 |
| 12.633 | H | Manneskraft TV NEU | 22000 |
| 12.633 | H | Mobile Sex | 22000 |
| 12.633 | H | paradise | 22000 |
| 12.633 | H | rhein main tv | 22000 |
| 12.633 | H | Rundum Sex TV | 22000 |
| 12.633 | H | SexySat | 22000 |
| 12.633 | H | Supreme Master TV | 22000 |
| 12.633 | H | TIMM | 22000 |
| 12.633 | H | Top Girl Sex TV NE | 22000 |
| 12.633 | H | Traumgirls.TV | 22000 |
| 12.633 | H | ffn Comedy | 22000 |
| 12.633 | H | ffn digital | 22000 |
| 12.633 | H | harmony.fm | 22000 |
| 12.633 | H | HIT RADIO FFH | 22000 |
| 12.633 | H | Inselradio | 22000 |
| 12.633 | H | Paloma | 22000 |
| 12.633 | H | PEPPERMINT fm | 22000 |
| 12.633 | H | planet radio | 22000 |
| 12.633 | H | Radio Gloria | 22000 |
| 12.633 | H | Radio Regenbogen | 22000 |
| 12.633 | H | radio top40 | 22000 |
| 12.633 | H | WRN Deutsch | 22000 |
| 12.722 | H | 2BE | 22000 |
| 12.722 | H | een | 22000 |
| 12.722 | H | JIM | 22000 |
| 12.722 | H | KANAAL Z | 22000 |
| 12.722 | H | Ketnet/Canvas | 22000 |
| 12.722 | H | VIJFtv | 22000 |
| 12.722 | H | Vitaya | 22000 |
| 12.722 | H | VT4 | 22000 |
| 12.722 | H | VTM | 22000 |
| 12.722 | H | Man-X | 22000 |
| 12.722 | H | 4FM | 22000 |
| 12.722 | H | Donna | 22000 |
| 12.722 | H | Klara | 22000 |
| 12.722 | H | Q-music | 22000 |
| 12.722 | H | Radio 1 | 22000 |
| 12.722 | H | Radio 2 | 22000 |
| 12.722 | H | Studio Brussel | 22000 |
| 12.729 | V | FR3 CAEN | 22000 |
| 12.729 | V | FR3 DIJON | 22000 |
| 12.729 | V | FR3 GRENOBLE | 22000 |
| 12.729 | V | FR3 LILLE | 22000 |
| 12.729 | V | FR3 MONTPELLIER | 22000 |
| 12.729 | V | FR3 ORLEANS | 22000 |
| 12.729 | V | FR3 POITIERS | 22000 |
| 12.729 | V | FR3 REIMS | 22000 |
| 12.729 | V | FR3 STRASBOURG | 22000 |
| 12.729 | V | FR3 VIA STELLA | 22000 |

**AST1KRKU**

| Freq GHz | Pol | Channel Name | Symbol rate |
|---|---|---|---|
| 10.744 | H | arte | 22000 |
| 10.744 | H | EinsExtra | 22000 |
| 10.744 | H | EinsFestival | 22000 |
| 10.744 | H | EinsPlus | 22000 |
| 10.744 | H | Phoenix | 22000 |
| 10.773 | H | TVP HD - test | 22000 |
| 10.773 | H | Belsat TV | 22000 |
| 10.773 | H | TV Polonia | 22000 |
| 10.773 | H | TV TRWAM | 22000 |
| 10.773 | H | TVP Historia | 22000 |
| 10.773 | H | TVP Kultura | 22000 |
| 10.773 | H | Radio Maryja test | 22000 |
| 10.788 | V | ANIMAX | 22000 |
| 10.788 | V | BOOMERANG | 22000 |
| 10.788 | V | CARTOON NET. | 22000 |
| ● 10.788 | V | LA 2 | 22000 |
| 10.788 | V | TAQUILLA 1 | 22000 |
| 10.788 | V | TAQUILLA 2 | 22000 |
| 10.788 | V | TAQUILLA 3 | 22000 |
| 10.788 | V | TAQUILLA 4 | 22000 |
| 10.788 | V | TAQUILLA XY | 22000 |
| ● 10.788 | V | TELEFE INT | 22000 |

**TV** Digital
**Radio** Digital
**TV** Digital Crypt
**Radio** Digital Crypt
**TV** High Definition
**TV** High Definition Crypt

| Freq GHz | Pol | Channel Name | Symbol rate |
|---|---|---|---|
| ● 10.788 | V | CHAMPIONS 4 | 22000 |
| ● 10.788 | V | CHAMPIONS 5 | 22000 |
| 10.788 | V | TAQUILLA 10 | 22000 |
| 10.818 | V | AXN | 22000 |
| 10.818 | V | C+ ACCIÓN...30 | 22000 |
| 10.818 | V | C+ COMEDIA...30 | 22000 |
| 10.818 | V | CANAL COCINA | 22000 |
| 10.818 | V | CARACOL TV | 22000 |
| 10.818 | V | DCINE ESPAÑOL | 22000 |
| 10.818 | V | ECUAVISA INT | 22000 |
| 10.818 | V | FOX | 22000 |
| 10.818 | V | SCI FI | 22000 |
| 10.818 | V | TVE 1 | 22000 |
| 10.818 | V | TVV INT. | 22000 |
| 10.832 | H | ORF 1 HD | 22000 |
| 10.832 | H | Bibel TV | 22000 |
| 10.832 | H | RTBF SAT | 22000 |
| 10.832 | H | CFN/RFC | 22000 |
| 10.832 | H | Radio Horeb | 22000 |
| 10.832 | H | Radio neue Hoffnung | 22000 |
| 10.832 | H | RDC | 22000 |
| 10.832 | H | RTBF International | 22000 |
| 10.847 | V | ABONO FÚTBOL+ | 22000 |
| 10.847 | V | COMPRA SMS | 22000 |
| 10.847 | V | FERIA PILAR | 22000 |
| 10.847 | V | GUÍA DIGITAL+ | 22000 |
| 10.847 | V | IBERDROLA | 22000 |
| 10.847 | V | LIGA 07/08 | 22000 |
| 10.847 | V | MÚSICA DIGITAL | 22000 |
| 10.847 | V | PLAYIN'TV | 22000 |
| ● 10.847 | V | PORTADA | 22000 |
| 10.847 | V | RAD. LATINAS | 22000 |
| 10.847 | V | RADIOS | 22000 |
| 10.847 | V | TAQUILLA | 22000 |
| 10.847 | V | TEST_CSD2 | 22000 |
| 10.847 | V | TEST_CSD4 | 22000 |
| 10.847 | V | TEST_CSD5 | 22000 |
| 10.847 | V | {Empty} | 22000 |
| 10.847 | V | RADIOS ESP | 22000 |
| 10.862 | H | TVP1 | 22000 |
| 10.862 | H | INT6 | 22000 |
| 10.862 | H | TVP Sport | 22000 |
| 10.862 | H | TVP2 | 22000 |
| 10.862 | H | TVP Info | 22000 |
| 10.877 | V | 40 LATINO | 22000 |
| 10.877 | V | BABYFIRST | 22000 |
| 10.877 | V | C+ DEPORTES | 22000 |
| 10.877 | V | C+ FÚTBOL | 22000 |
| ● 10.877 | V | CALLE 13 | 22000 |
| 10.877 | V | CANAL+...30 | 22000 |
| 10.877 | V | FOX NEWS | 22000 |
| 10.877 | V | GOLF+ | 22000 |
| 10.877 | V | NAT GEOGRAPH | 22000 |
| 10.877 | V | PLAYBOY TV | 22000 |
| 10.877 | V | CHAMPIONS 3 | 22000 |
| 10.921 | H | AXN | 22000 |
| 10.921 | H | bebe tv | 22000 |
| 10.921 | H | Blue Hustler | 22000 |
| 10.921 | H | Boomerang | 22000 |
| 10.921 | H | Cartoon Network/TCM | 22000 |
| 10.921 | H | MGM | 22000 |
| 10.921 | H | STV1 | 22000 |
| 10.921 | H | TA3 | 22000 |
| 10.921 | H | Viasat 3 | 22000 |
| 10.921 | H | Viasat Explorer | 22000 |
| 10.921 | H | Viasat History | 22000 |
| 10.921 | H | Travel | 22000 |
| 10.979 | V | 24 HORAS | 22000 |
| 10.979 | V | CLAN TVE | 22000 |
| 10.979 | V | CLÁSICO | 22000 |
| 10.979 | V | CUATRO | 22000 |
| 10.979 | V | EUROSPORT | 22000 |
| 10.979 | V | G. HERMANO | 22000 |
| 10.979 | V | HISTORIA | 22000 |
| ● 10.979 | V | HOGARUTIL | 22000 |
| 10.979 | V | HOLLYWOOD | 22000 |
| 10.979 | V | TELENOVELAS | 22000 |
| 10.979 | V | TNT | 22000 |
| ● 10.979 | V | CHAMPIONS 2 | 22000 |
| 10.979 | V | TV CANARIA | 22000 |
| 11.038 | V | 40 TV | 22000 |
| 11.038 | V | CANAL+ | 22000 |
| 11.038 | V | CANAL+ 2 | 22000 |
| 11.038 | V | DISCOVERY | 22000 |
| 11.038 | V | DISNEY CH. | 22000 |
| 11.038 | V | DOCU TVE | 22000 |
| ● 11.038 | V | PAR. COMEDY | 22000 |
| 11.038 | V | SPORTMANÍA | 22000 |
| ● 11.038 | V | TCM MODERNO | 22000 |
| 11.038 | V | TELEDEPORTE | 22000 |
| 11.038 | V | CHAMPIONS 1 | 22000 |
| 11.038 | V | CHAMPIONS 2 | 22000 |
| 11.097 | V | BARÇA TV | 22000 |
| 11.097 | V | C+ EVENTOS | 22000 |
| ● 11.097 | V | LIGA 08/09 | 22000 |
| 11.097 | V | TAQUILLA 5 | 22000 |
| 11.097 | V | TAQUILLA 6 | 22000 |
| 11.097 | V | TAQUILLA 7 | 22000 |
| 11.097 | V | TAQUILLA X | 22000 |
| 11.097 | V | TAQUILLA XX | 22000 |
| ● 11.097 | V | EHS | 22000 |
| 11.097 | V | TAQUILLA 8 | 22000 |
| 11.097 | V | TAQUILLA 9 | 22000 |
| 11.097 | V | TESTP | 22000 |
| ● 11.156 | V | BABYFIRST | 22000 |
| 11.156 | V | BLOOMBERG | 22000 |
| ● 11.156 | V | CANAL ODISEA | 22000 |
| 11.156 | V | CAZA Y PESCA | 22000 |
| 11.156 | V | COSMOPOLITAN | 22000 |
| ● 11.156 | V | HISTORIA | 22000 |
| 11.156 | V | LA 2 | 22000 |
| 11.156 | V | MÉTEO | 22000 |
| 11.156 | V | PEOPLE+ARTS | 22000 |
| 11.156 | V | VIAJAR | 22000 |
| ● 11.156 | V | CHAMPIONS 1 | 22000 |
| ● 11.156 | V | CHAMPIONS 2 | 22000 |
| ● 11.156 | V | CHAMPIONS 3 | 22000 |
| ● 11.156 | V | CHAMPIONS 4 | 22000 |
| 11.156 | V | EHS | 22000 |
| 11.156 | V | PAR. COMEDY | 22000 |
| 11.318 | V | C+ ACCIÓN | 22000 |
| 11.318 | V | C+ COMEDIA | 22000 |
| 11.318 | V | C+ DCINE | 22000 |
| 11.318 | V | CARTOON N +1 | 22000 |
| 11.318 | V | DISNEY CH. +1 | 22000 |
| 11.318 | V | JETIX | 22000 |
| 11.318 | V | NICK +1 | 22000 |
| 11.318 | V | PLAYHOUSE | 22000 |
| 11.318 | V | SONY TV | 22000 |
| ● 11.318 | V | TELEFE INT | 22000 |
| ● 11.318 | V | CHAMPIONS 1 | 22000 |
| ● 11.479 | V | NRJ HITS | 22000 |
| 11.479 | V | BABY FIRST | 22000 |
| 11.479 | V | CANAL EVENEMENT | 22000 |
| 11.479 | V | PLAYIN'TV | 22000 |
| 11.479 | V | TELEREALITE | 22000 |
| ● 11.479 | V | {Empty} | 22000 |
| 11.479 | V | PLAYIN'TV | 22000 |
| 11.479 | V | PLAYIN'Tvi | 22000 |
| 11.671 | H | Cinemax | 22000 |
| 11.671 | H | Film+ | 22000 |
| 11.671 | H | HirTV | 22000 |
| 11.671 | H | m1 | 22000 |
| 11.671 | H | MTV Hungary | 22000 |
| 11.671 | H | RTL Klub | 22000 |
| ● 11.671 | H | Spektrum | 22000 |
| 11.671 | H | Sport 1 CZE | 22000 |
| 11.671 | H | Sport Klub | 22000 |
| 11.671 | H | TV2 | 22000 |
| ● 11.671 | H | Viva TV | 22000 |
| ● 11.671 | H | Budapest TV | 22000 |
| ● 11.671 | H | Bartok Radio - MR3 | 22000 |
| ● 11.671 | H | Kossuth Radio - MR1 | 22000 |
| ● 11.671 | H | Petofi Radio - MR2 | 22000 |
| 11.685 | V | C. ESTRELLAS | 22000 |
| 11.685 | V | CNN+ | 22000 |
| 11.685 | V | PRO TV INT | 22000 |
| ● 11.685 | V | R. MADRID TV | 22000 |
| 11.685 | V | TCM CLÁSICO | 22000 |
| 11.685 | V | ANDALUCÍA TV | 22000 |
| 11.685 | V | CANAL CLUB | 22000 |
| ● 11.685 | V | CANAL+ HD | 22000 |
| 11.685 | V | EUSKADI TV | 22000 |
| 11.685 | V | TM SAT/LAOTRA | 22000 |
| 11.685 | V | TV GALICIA | 22000 |

| Freq GHz | Pol | Channel Name | Symbol rate |
|---|---|---|---|
| 11.685 | V | TVC INT. | 22000 |
| 11.685 | V | RAD. ROMANIA | 22000 |
| 12.699 | V | FR3 AMIENS | 22000 |
| 12.699 | V | FR3 BESANCON | 22000 |
| 12.699 | V | FR3 BORDEAUX | 22000 |
| 12.699 | V | FR3 CLERMONT FD | 22000 |
| 12.699 | V | FR3 LIMOGES | 22000 |
| 12.699 | V | FR3 LYON | 22000 |
| 12.699 | V | FR3 MARSEILLE | 22000 |
| 12.699 | V | FR3 NANCY | 22000 |
| 12.699 | V | FR3 PARIS | 22000 |
| 12.699 | V | FR3 RENNES | 22000 |
| 12.699 | V | FR3 ROUEN | 22000 |
| 12.699 | V | FR3 TOULOUSE | 22000 |
| 12.729 | V | FR3 NANTES | 22000 |
| 12.729 | V | FR3 NICE | 22000 |
| ● 11.171 | V | BABYFIRST | 22000 |
| 11.171 | V | BLOOMBERG | 22000 |
| ● 11.171 | V | CANAL ODISEA | 22000 |
| 11.171 | V | CAZA Y PESCA | 22000 |
| 11.171 | V | COSMOPOLITAN | 22000 |
| ● 11.171 | V | HISTORIA | 22000 |
| 11.171 | V | LA 2 | 22000 |
| 11.171 | V | MÉTEO | 22000 |
| 11.171 | V | PEOPLE+ARTS | 22000 |
| 11.171 | V | VIAJAR | 22000 |
| ● 11.171 | V | CHAMPIONS 1 | 22000 |
| ● 11.171 | V | CHAMPIONS 2 | 22000 |
| ● 11.171 | V | CHAMPIONS 3 | 22000 |
| ● 11.171 | V | CHAMPIONS 4 | 22000 |
| 11.171 | V | EHS | 22000 |
| 11.171 | V | PAR. COMEDY | 22000 |
| 11.362 | H | arte HD | 22000 |
| 11.362 | H | Simul HD | 22000 |
| 11.362 | H | Simul SD | 22000 |

**EUTELSAT W6**
**21.5 East**

| Freq GHz | Pol | Channel Name | Symbol rate |
|---|---|---|---|
| 10.972 | V | Service 2 | 2532 |
| 10.978 | V | NAHRAIN TV | 2170 |
| 11.345 | H | ALPHA | 28780 |
| 11.345 | H | ALPHA RADIO | 28780 |
| 11.490 | V | SALAHADDIN TV | 2170 |
| 11.527 | V | AL RAI 1B | 2857 |
| 11.586 | V | CFI PECO PRO | 6511 |
| 12.637 | V | AL AHD | 2532 |

**Europe**
**ASTRA 1E,3A**
**23.5 East**

| Freq GHz | Pol | Channel Name | Symbol rate |
|---|---|---|---|
| 10.862 | H | Ocko TV | 22000 |
| 11.836 | H | INT_TV | 29900 |
| ● 11.836 | H | SMD 01 | 29900 |
| ● 11.915 | H | E!Entertainment | 27500 |
| 11.915 | H | RNN7 | 27500 |
| 11.915 | H | L1MBURG | 27500 |
| 11.915 | H | Omroep Brabant Telev | 27500 |
| 11.915 | H | Omroep Zeeland Telev | 27500 |
| 11.915 | H | Omrop Fryslan Televi | 27500 |
| 11.915 | H | TV Drenthe | 27500 |
| 11.915 | H | TV Gelderland | 27500 |
| 11.915 | H | TV Noord | 27500 |
| 11.915 | H | TV Noord-Holland | 27500 |
| 11.915 | H | TV Oost | 27500 |
| 11.915 | H | TV Rijnmond | 27500 |
| 11.915 | H | L1MBURG Radio | 27500 |
| 11.915 | H | Omroep Brabant Radio | 27500 |
| 11.915 | H | Omroep Zeeland Radio | 27500 |
| 11.915 | H | Omrop Fryslan Radio | 27500 |
| 11.915 | H | Radio Drenthe | 27500 |
| 11.915 | H | Radio Gelderland | 27500 |
| 11.915 | H | Radio Noord | 27500 |
| 11.915 | H | Radio Noord-Holland | 27500 |
| 11.915 | H | Radio Oost | 27500 |
| 11.915 | H | Radio Rijnmond | 27500 |
| 11.993 | H | FILMBOX | 27500 |
| 11.993 | H | FILMBOX EXTRA | 27500 |
| 11.993 | H | JimJam | 27500 |
| 11.993 | H | Leo TV | 27500 |
| 11.993 | H | Minimax | 27500 |
| 11.993 | H | NOSTALGIA | 27500 |
| 11.993 | H | Nova | 27500 |
| 11.993 | H | Nova Cinema | 27500 |
| 11.993 | H | Spektrum | 27500 |
| 11.993 | H | Viasat Explorer / Sp | 27500 |
| 11.993 | H | Viasat History | 27500 |
| 11.993 | H | Public TV | 27500 |
| ● 12.031 | H | Not in use | 27500 |
| 12.031 | H | ASTRA HD Demo | 27500 |
| 10.758 | V | EXQI Culture | 22000 |
| 10.758 | V | EXQI sport | 22000 |
| 10.758 | V | HD1 | 22000 |
| 10.758 | V | HD2/5 | 22000 |
| 10.842 | V | BEL-59 | 13333 |
| 11.739 | V | /Geschiedenis TV | 27500 |
| 11.739 | V | Consumenten TV | 27500 |
| 11.739 | V | Discovery Science | 27500 |
| 11.739 | V | Discovery Travel | 27500 |
| 11.739 | V | Eredivisielive 2 | 27500 |
| 11.739 | V | Holland Doc | 27500 |
| 11.739 | V | Humor/Nost.Net | 27500 |
| 11.739 | V | MGM | 27500 |
| 11.739 | V | Nederland 4 | 27500 |
| 11.739 | V | NGC Wild | 27500 |
| 11.739 | V | Playboy TV | 27500 |
| 11.739 | V | Vitaliteit | 27500 |
| 11.739 | V | 100%NL | 27500 |
| 11.778 | V | BravaHDTV | 27500 |
| 11.778 | V | Discovery HD | 27500 |
| 11.778 | V | NGC HD | 27500 |
| 11.778 | V | NL1 HD | 27500 |
| 11.778 | V | VOOM HD | 27500 |

AST03AKU

| Freq GHz | Pol | Channel Name | Symbol rate |
|---|---|---|---|
| ● 10.803 | H | STV 3 | 22000 |
| ● 10.803 | H | TEST | 22000 |
| ● 11.515 | V | ANIXE SD | 28500 |
| 11.515 | H | Ch1 BT + KT | 27500 |
| 11.515 | H | Ch2 BPK | 27500 |
| 11.515 | H | Ch3 BR | 27500 |
| 11.515 | H | Ch4 MAZ | 27500 |
| 11.515 | V | Comedy Central | 28500 |
| 11.515 | V | Das Vierte | 28500 |
| ● 11.515 | V | DELUXE MUSIC | 28500 |
| 11.515 | V | Eurosport | 28500 |
| 11.515 | V | n-tv | 28500 |
| 11.515 | V | RTL II | 28500 |
| 11.515 | V | RTL Television | 28500 |
| 11.515 | V | Super RTL | 28500 |
| ● 11.515 | V | TIMM | 28500 |
| 11.515 | V | Viva | 28500 |
| 11.515 | V | VOX | 28500 |
| 11.515 | H | SAT1 HH/SH | 27500 |
| 11.515 | H | SAT1 National | 27500 |
| 11.515 | H | SAT1 NRW | 27500 |
| 11.515 | H | SAT1 NS/Bremen | 27500 |
| 11.515 | H | SAT1 RhlPf/Hessen | 27500 |
| 11.515 | H | Test BY | 27500 |
| 11.515 | V | 1LIVE diggi | 28500 |
| 11.515 | V | MDR1 S-ANHALT | 28500 |
| 11.515 | V | MDR1 THÜRINGEN | 28500 |
| 11.515 | V | NDR 1 Radio MV | 28500 |
| 11.515 | V | NDR 2 | 28500 |
| 11.515 | V | radioBERLIN 88,8 | 28500 |
| 11.515 | V | SR1 | 28500 |
| 11.515 | V | SR3 | 28500 |
| 11.515 | V | SWR1 RP | 28500 |
| 11.515 | V | SWR2 | 28500 |
| 11.515 | V | SWR3 | 28500 |
| 11.515 | V | WDR 5 | 28500 |
| 11.555 | H | 9Live | 28500 |

| Freq GHz | Pol | Channel Name | Symbol rate |
|---|---|---|---|
| 11.555 | H | DSF | 28500 |
| 11.555 | H | HSE24 | 28500 |
| 11.555 | H | kabel eins | 28500 |
| 11.555 | H | N24 | 28500 |
| ● 11.555 | H | OraiaTV (engl) | 28500 |
| 11.555 | H | ProSieben | 28500 |
| 11.555 | H | Sat. 1 | 28500 |
| 11.555 | H | Tele 5 | 28500 |
| 11.555 | H | B5 aktuell | 28500 |
| 11.555 | H | B5 plus | 28500 |
| ● 11.555 | H | BAYERN plus | 28500 |
| 11.555 | H | BR Verkehr | 28500 |
| 11.555 | H | cont.ra | 28500 |
| 11.555 | H | DASDING | 28500 |
| 11.555 | H | DW 1 | 28500 |
| 11.555 | H | DW 4 | 28500 |
| 11.555 | H | hr iNFO | 28500 |
| 11.555 | H | hr iNFO + | 28500 |
| 11.555 | H | hr4 | 28500 |
| 11.555 | H | InfoRadio | 28500 |
| 11.555 | H | kulturradio | 28500 |
| 11.555 | H | MDR FIGARO | 28500 |
| 11.555 | H | MDR JUMP | 28500 |
| 11.555 | H | MDR1 SACHSEN | 28500 |
| 11.555 | H | NDR 1 Niedersachsen | 28500 |
| 11.555 | H | NDR 1 Welle Nord | 28500 |
| 11.555 | H | NDR Info | 28500 |
| 11.555 | H | NDR Info Spezial | 28500 |
| 11.555 | H | on3radio | 28500 |
| 11.555 | H | radiomultikulti | 28500 |
| 11.555 | H | SR2 | 28500 |
| 11.555 | H | SWR4 BW | 28500 |
| 11.555 | H | WDR 2 Klassik | 28500 |
| 11.555 | H | WDR Event | 28500 |
| 11.555 | H | WDR Funkhaus Europa | 28500 |
| 11.555 | H | YOU FM | 28500 |
| 11.592 | V | Cartoon Network | 28500 |
| 11.592 | V | Club TV | 28500 |
| 11.592 | V | Disney Playhouse | 28500 |
| 11.592 | V | Disney Toon + 1 | 28500 |
| 11.592 | V | MTV Dance | 28500 |
| 11.592 | V | MTV Dance (engl) | 28500 |
| 11.592 | V | MTV Hits | 28500 |
| 11.592 | V | MTV Hits (engl) | 28500 |
| 11.592 | V | National Geo (engl) | 28500 |
| 11.592 | V | National Geographic | 28500 |
| 11.592 | V | Playboy TV | 28500 |
| 11.592 | V | Relax TV | 28500 |
| 11.592 | V | Sailing Channel | 28500 |
| 11.592 | V | Sailing Channel (eng | 28500 |
| 11.592 | V | SciFi (KD) | 28500 |
| 11.592 | V | Spiegel TV Digital | 28500 |
| ● 11.592 | V | TCM Classic Movies ( | 28500 |
| 11.592 | V | The Biography Channe | 28500 |
| 11.592 | V | Turner Classic Movie | 28500 |
| 11.595 | H | ATV Avrupa (türk) | 28500 |
| 11.595 | H | Canal 24 Horas | 28500 |
| 11.595 | H | ERT World (griech) | 28500 |
| 11.595 | H | Euro D (türk) | 28500 |
| 11.595 | H | Euro Star (türk) | 28500 |
| 11.595 | H | Kabel Digital Info | 28500 |
| 11.595 | H | Nashe Kino (rus) | 28500 |
| 11.595 | H | RTL Shop | 28500 |
| 11.595 | H | RTP Internacional | 28500 |
| 11.595 | H | RTR Planeta (rus) | 28500 |
| 11.595 | H | RTVi (rus) | 28500 |
| 11.595 | H | Tier TV | 28500 |
| 11.595 | H | TRTi (türk) | 28500 |
| 11.595 | H | TV Polonia (pol) | 28500 |
| 11.595 | H | TVEi (span) | 28500 |
| 11.635 | H | Astro TV | 28500 |
| 11.635 | H | Fashion TV | 28500 |
| 11.635 | H | Gute Laune TV | 28500 |
| 11.635 | H | History Channel | 28500 |
| 11.635 | H | Kinowelt TV | 28500 |
| 11.635 | H | Motors TV | 28500 |
| 11.635 | H | Planet | 28500 |
| 11.635 | V | redXclub 1 | 28500 |
| 11.635 | V | redXclub 2 | 28500 |
| 11.635 | V | redXclub Info | 28500 |
| 11.635 | V | Select Kino 1 | 28500 |
| 11.635 | V | Select Kino 2 | 28500 |
| 11.635 | V | Select Kino 3 | 28500 |
| 11.635 | V | Select Kino 4 | 28500 |
| 11.635 | V | Select Kino 5 | 28500 |
| 11.635 | V | Select Kino 6 | 28500 |
| 11.635 | V | Select Kino 7 | 28500 |
| 11.635 | V | Select Kino Info | 28500 |
| 11.635 | H | sonnenklar.TV | 28500 |
| 11.635 | H | Trace.TV | 28500 |
| 11.635 | H | tv.gusto Premium | 28500 |
| 11.635 | H | Wetter Fernsehen | 28500 |
| 11.635 | H | 60er & 70er Hits | 28500 |
| 11.635 | H | 80er & 90er Hits | 28500 |
| 11.635 | H | Alternative | 28500 |
| 11.635 | H | Big Band/Swing | 28500 |
| 11.635 | H | Blues | 28500 |
| 11.635 | H | Brasil | 28500 |
| 11.635 | H | Chillout | 28500 |
| 11.635 | H | Classic Rock | 28500 |
| 11.635 | H | Country | 28500 |
| 11.635 | H | Dance | 28500 |
| 11.635 | H | Deutsche Hits | 28500 |
| 11.635 | H | Deutsche Schlager | 28500 |
| 11.635 | H | Deutscher Rock | 28500 |
| 11.635 | H | Euro Hits | 28500 |
| 11.635 | H | Heavy Metal | 28500 |
| 11.635 | H | Instrumentals | 28500 |
| 11.635 | H | Klassik Hits | 28500 |
| 11.635 | H | Klassischer Jazz | 28500 |
| 11.635 | H | Love Songs | 28500 |
| 11.635 | H | New Age | 28500 |
| 11.635 | H | Perfect Dinner Party | 28500 |
| 11.635 | H | Pop | 28500 |
| 11.635 | H | R & B Hip Hop | 28500 |
| 11.635 | H | Rap | 28500 |
| 11.635 | H | Reggae | 28500 |
| 11.635 | H | Rock Anthems | 28500 |
| 11.635 | H | Rock'n' Roll Oldies | 28500 |
| 11.635 | H | Spanischer Rock | 28500 |
| 11.635 | H | Symphonie | 28500 |
| 11.635 | H | UK Hits | 28500 |
| 11.635 | V | Bayern 2 | 28500 |
| 11.635 | V | Bayern 4 Klassik | 28500 |
| 11.635 | V | Bremen Vier | 28500 |
| 11.635 | V | Fritz | 28500 |
| 11.635 | V | hr2 | 28500 |
| 11.635 | V | hr3 | 28500 |
| 11.635 | V | MDR SPUTNIK | 28500 |
| 11.635 | V | N-JOY | 28500 |
| 11.635 | V | NDR 90,3 | 28500 |
| 11.635 | V | Nordwestradio | 28500 |
| 11.635 | V | radioeins | 28500 |
| 11.635 | V | SWR1 BW | 28500 |
| 11.635 | V | SWR4 RP | 28500 |
| 11.635 | V | WDR 2 | 28500 |
| 11.635 | V | WDR 3 | 28500 |
| 11.635 | V | WDR 4 | 28500 |
| 11.675 | V | Al Jazeera Int (engl | 28500 |
| 11.675 | V | CH1 Russia (rus) | 28500 |
| 11.675 | V | EuroNews (itl) | 28500 |
| 11.675 | V | EuroNews (port) | 28500 |
| 11.675 | V | EuroNews (rus) | 28500 |
| 11.675 | V | EuroNews (span) | 28500 |
| 11.675 | V | Fox Turk (türk) | 28500 |
| 11.675 | V | France 2 (frz) | 28500 |
| 11.675 | V | France 3 (frz) | 28500 |
| 11.675 | V | France 5 (frz) | 28500 |
| 11.675 | V | iTVN (pol) | 28500 |
| 11.675 | V | Kanal 7 Int (türk) | 28500 |
| 11.675 | V | LiG TV (türk) | 28500 |
| 11.675 | V | Rai 1 (itl) | 28500 |
| 11.675 | V | Rai 2 (itl) | 28500 |
| 11.675 | V | Rai 3 (itl) | 28500 |
| 11.675 | V | Show Turk (türk) | 28500 |
| 11.675 | V | Turkmax (türk) | 28500 |
| ● 11.876 | H | AXN | 27500 |
| 11.876 | H | CS Film /XXX/Detem | 27500 |
| 11.876 | H | DoQ | 27500 |
| 11.876 | H | Eurosport CZ | 27500 |
| 11.876 | H | Film+ | 27500 |
| 11.876 | H | HBO | 27500 |
| ● 11.876 | H | Nova Sport | 27500 |
| 11.876 | H | Sport 5 | 27500 |
| 12.525 | V | CT 1 | 27500 |

| Freq GHz | Pol | Channel Name | Symbol rate |
|---|---|---|---|
| 12.525 | V | CT 2 | 27500 |
| ● 12.525 | V | CT 4 | 27500 |
| 12.525 | V | Ladte 11876 MHz | 27500 |
| 12.525 | V | Prima TV | 27500 |
| 12.525 | V | CT 24 | 27500 |
| 12.525 | V | Noe TV | 27500 |
| 12.525 | V | BBC CZ | 27500 |
| 12.525 | V | CRo 1-Radiozurnal | 27500 |
| 12.525 | V | CRo 2+6/CRo 7 | 27500 |
| 12.525 | V | CRo 2-Praha | 27500 |
| 12.525 | V | CRo 3-Vltava | 27500 |
| 12.525 | V | CRo D-dur | 27500 |
| 12.525 | V | CRo Leonardo | 27500 |
| 12.525 | V | CRo Radio Cesko | 27500 |
| ● 12.525 | V | CRo Radio Wave | 27500 |
| 12.525 | V | CRo Region | 27500 |
| 12.525 | V | Proglas | 27500 |
| 12.565 | V | 1-2-3.tv | 27500 |
| 12.565 | V | BBC World (engl) | 27500 |
| 12.565 | V | BibelTV | 27500 |
| 12.565 | V | Bloomberg | 27500 |
| 12.565 | V | EuroNews | 27500 |
| 12.565 | V | Eurosport 2 | 27500 |
| 12.565 | H | MARKIZA | 27500 |
| 12.565 | H | MARKIZA TT | 27500 |
| 12.565 | V | MTV | 27500 |
| 12.565 | V | NICK | 27500 |
| 12.565 | H | STV1 | 27500 |
| 12.565 | H | STV1 TT | 27500 |
| 12.565 | H | STV2 | 27500 |
| 12.565 | H | STV2 TT | 27500 |
| 12.565 | V | TV 5 Monde (frz) | 27500 |
| 12.565 | H | TV JOJ | 27500 |
| 12.565 | H | TV JOJ_test | 27500 |
| 12.565 | H | TA3 | 27500 |
| 12.565 | V | ERF | 27500 |
| 12.565 | V | Radio Horeb | 27500 |
| 12.565 | V | Radio-Test | 27500 |
| 12.565 | H | SM 1 | 27500 |
| 12.565 | H | SM 2 | 27500 |
| 12.565 | H | SM-CS | 27500 |
| 12.565 | V | Sunshine Live | 27500 |
| 12.565 | V | 1LIVE | 27500 |
| 12.565 | V | Antenne Brandenburg | 27500 |
| 12.565 | V | Bayern 1 | 27500 |
| 12.565 | V | Bayern 3 | 27500 |
| 12.565 | V | Bremen Eins | 27500 |
| 12.565 | H | Devin | 27500 |
| 12.565 | H | EXPRES 7 | 27500 |
| 12.565 | H | FUN-R | 27500 |
| 12.565 | V | hr1 | 27500 |
| ● 12.565 | H | Jemne melodie | 27500 |
| 12.565 | H | Lumen | 27500 |
| 12.565 | V | MDR INFO | 27500 |
| 12.565 | V | NDR Kultur | 27500 |
| 12.565 | H | OKEY | 27500 |
| 12.565 | H | Patria | 27500 |
| 12.565 | H | Radio - 7 | 27500 |
| 12.565 | H | Radio Hey | 27500 |
| 12.565 | H | Radio_FM | 27500 |
| 12.565 | H | ReginaBA | 27500 |
| 12.565 | H | ReginaBB | 27500 |
| 12.565 | H | ReginaKE | 27500 |
| 12.565 | H | Slovakia | 27500 |
| 12.565 | H | Slovensko | 27500 |
| 12.565 | H | VIVA | 27500 |
| 12.605 | H | 13th Street (KD) | 28500 |
| 12.605 | H | AXN | 28500 |
| 12.605 | H | AXN (engl) | 28500 |
| 12.605 | V | BBC Prime (engl) | 28500 |
| 12.605 | V | Boomerang | 28500 |
| 12.605 | V | Boomerang (engl) | 28500 |
| 12.605 | V | CNBC Europe (engl) | 28500 |
| 12.605 | H | CNN (engl) | 28500 |
| 12.605 | H | Der Schmuckkanal | 28500 |
| 12.605 | V | Detski Mir | 28500 |
| 12.605 | H | Disney Toon | 28500 |
| 12.605 | V | DMAX | 28500 |
| 12.605 | H | E! Entertainment | 28500 |
| 12.605 | H | ESPN Classic | 28500 |
| 12.605 | H | ESPN Classic (engl) | 28500 |
| 12.605 | V | Extreme Sports | 28500 |
| 12.605 | V | Extreme Sports (engl | 28500 |
| 12.605 | H | Giga Digital | 28500 |
| 12.605 | V | iMusic | 28500 |
| 12.605 | H | Jukebox | 28500 |
| 12.605 | V | Juwelo TV | 28500 |
| 12.605 | V | kabel eins classics | 28500 |
| 12.605 | H | NASN | 28500 |
| 12.605 | H | NASN (engl) | 28500 |
| 12.605 | V | Playhouse Disney (en | 28500 |
| 12.605 | H | QVC | 28500 |
| 12.605 | V | Rock TV | 28500 |
| 12.605 | V | Sat.1 Comedy | 28500 |
| 12.605 | H | Silverline | 28500 |
| 12.605 | V | Sky News (engl) | 28500 |
| 12.605 | V | Toon Disney (engl) | 28500 |
| 12.605 | H | VH1 Classic | 28500 |
| 12.605 | H | VH1 Classic (engl) | 28500 |
| 12.605 | H | Voyages Television | 28500 |
| 12.605 | H | Wein TV | 28500 |
| 12.605 | V | BBC World Service | 28500 |
| 12.636 | V | K-TV | 2277 |
| 12.636 | V | R.Gloria | 2277 |
| 12.685 | V | arte | 27500 |
| 12.685 | V | EinsExtra | 27500 |
| 12.685 | V | EinsFestival | 27500 |
| 12.685 | V | EinsPlus | 27500 |
| 12.685 | V | Phoenix | 27500 |
| ● 11.797 | H | EUROSPORT HD | 27500 |
| ● 11.797 | H | NOVA HD | 27500 |
| ● 11.797 | H | JOJ PLUS | 27500 |
| ● 11.797 | H | TV JOJ | 27500 |
| ● 11.797 | H | Z 1 | 27500 |
| ● 11.856 | V | BravaHDTV | 27500 |
| ● 11.856 | V | Discovery HD | 27500 |
| ● 11.856 | V | een HD | 27500 |
| ● 11.856 | V | NGC HD | 27500 |

**North Africa, Middle East**
**EUROBIRD 2**
**25.5 East**

EUB002FB

| Freq GHz | Pol | Channel Name | Symbol rate |
|---|---|---|---|
| 11.012 | H | BLOOMBERG | 27500 |
| 11.012 | H | CINEMA CITY | 27500 |
| 11.012 | H | FASHION TV | 27500 |
| 11.012 | H | MGM | 27500 |
| 11.012 | H | SERIES | 27500 |
| 11.012 | H | SPACE TOON | 27500 |
| 11.012 | H | SUPER MOVIES | 27500 |
| 11.012 | H | TVMAX | 27500 |
| 11.012 | H | TVMAX PROMO | 27500 |
| 11.055 | H | AL RIYADIYAH | 27500 |
| 11.055 | H | AMERICA PLUS | 27500 |
| ● 11.055 | H | C-SPAN | 27500 |
| 11.055 | H | CNBC-US | 27500 |
| 11.055 | H | MUSIC NOW | 27500 |
| 11.055 | H | PTest | 27500 |
| 11.055 | H | SUPER COMEDY | 27500 |
| 11.055 | H | MARHABA | 27500 |
| 11.055 | H | BBC ARABIC | 27500 |
| 11.055 | H | BBC ENGLISH | 27500 |
| 11.055 | H | CLASSICAL | 27500 |
| 11.055 | H | COUNTRY OF BLUES | 27500 |
| 11.055 | H | DANCE | 27500 |
| 11.055 | H | GMA DZBB | 27500 |
| 11.055 | H | HITS | 27500 |
| 11.055 | H | JAZZ | 27500 |
| 11.055 | H | KHALIJYA'T | 27500 |

| Freq GHz | Pol | Channel Name | Symbol rate |
|---|---|---|---|
| 11.055 | H | LITE FM | 27500 |
| 11.055 | H | LOVE SONGS | 27500 |
| 11.055 | H | MONAWA'T | 27500 |
| 11.055 | H | MONTE CARLO | 27500 |
| 11.055 | H | MOTOWN | 27500 |
| 11.055 | H | POP | 27500 |
| 11.055 | H | R&B | 27500 |
| 11.055 | H | ROCK | 27500 |
| 11.055 | H | SUPER GOLD | 27500 |
| 11.055 | H | TARABIYA'T | 27500 |
| 11.055 | H | VIRGIN RADIO | 27500 |
| 11.075 | H | AL RIYADIYAH | 27500 |
| 11.075 | H | AMERICA PLUS | 27500 |
| ● 11.075 | H | C-SPAN | 27500 |
| 11.075 | H | CNBC-US | 27500 |
| 11.075 | H | MUSIC NOW | 27500 |
| 11.075 | H | PTest | 27500 |
| 11.075 | H | SUPER COMEDY | 27500 |
| ● 11.075 | V | Al Hayat 3 | 27500 |
| ● 11.075 | V | Al Hayat Series | 27500 |
| ● 11.075 | V | Al Khalij | 27500 |
| ● 11.075 | V | Al Lubnania | 27500 |
| ● 11.075 | V | Al-Habeeb TV | 27500 |
| ● 11.075 | V | Awal Tv | 27500 |
| ● 11.075 | V | Family One | 27500 |
| 11.075 | H | MARHABA | 27500 |
| ● 11.075 | V | Rawasy TV | 27500 |
| 11.075 | V | Talemiah | 27500 |
| ● 11.075 | V | WATANI | 27500 |
| ● 11.075 | V | WTV 128 | 27500 |
| 11.075 | H | BBC ARABIC | 27500 |
| 11.075 | H | BBC ENGLISH | 27500 |
| 11.075 | H | CLASSICAL | 27500 |
| 11.075 | H | COUNTRY OF BLUES | 27500 |
| 11.075 | H | DANCE | 27500 |
| 11.075 | H | GMA DZBB | 27500 |
| 11.075 | H | HITS | 27500 |
| 11.075 | H | JAZZ | 27500 |
| 11.075 | H | KHALIJYA'T | 27500 |
| 11.075 | H | LITE FM | 27500 |
| 11.075 | H | LOVE SONGS | 27500 |
| 11.075 | H | MONAWA'T | 27500 |
| 11.075 | H | MONTE CARLO | 27500 |
| 11.075 | H | MOTOWN | 27500 |
| 11.075 | H | POP | 27500 |
| 11.075 | H | R&B | 27500 |
| 11.075 | H | ROCK | 27500 |
| 11.075 | H | SUPER GOLD | 27500 |
| 11.075 | H | TARABIYA'T | 27500 |
| 11.075 | H | VIRGIN RADIO | 27500 |
| ● 11.096 | H | C-MUSIC | 27500 |
| ● 11.096 | H | CINEMA CITY +1 | 27500 |
| 11.096 | H | DISCOVERY CHANNEL | 27500 |
| 11.096 | H | DISCOVERY SCIENCE | 27500 |
| 11.096 | H | DISNEY PLAYHOUSE | 27500 |
| 11.096 | H | EURONEWS | 27500 |
| 11.096 | H | EXTREME SPORTS | 27500 |
| 11.096 | H | FUN CHANNEL | 27500 |
| 11.096 | H | NICKELODEON | 27500 |
| ● 11.096 | H | TEST 1 | 27500 |
| 11.096 | H | TRACE | 27500 |
| ● 11.096 | H | XTRA MOVIES | 27500 |
| 11.096 | H | MTV ARABIA | 27500 |
| 11.103 | V | AL JAZEERA PATH 2 | 7200 |
| ● 11.113 | V | FLY 3 | 3255 |
| 11.123 | V | DEFAULT | 2220 |
| 11.148 | V | AL JADEED | 2960 |
| 11.152 | V | GPTC | 2220 |
| ● 11.154 | V | Manar Feed (TV 1) | 2960 |
| 11.158 | V | Arrai | 2220 |
| ● 11.165 | V | WTV | 2220 |
| 11.175 | V | DEFAULT | 2220 |
| 11.585 | V | Discovery-Middle-Eas | 27500 |
| 11.585 | V | Discovery-Travel&Liv | 27500 |
| 11.585 | V | AL JADEED | 27500 |
| 11.585 | V | Atlas-TV | 27500 |
| ● 11.585 | V | AWAL TV | 27500 |
| 11.585 | V | AWAL_TV | 27500 |
| 11.585 | V | DM-TV | 27500 |
| 11.585 | V | LBC-Europe | 27500 |
| 11.585 | V | NBN | 27500 |
| 11.585 | V | OTV | 27500 |
| 11.585 | V | Supreme-Master-TV | 27500 |
| 11.604 | H | AMERICA PLUS +2 | 27500 |
| 11.604 | H | ANIMAL PLANET | 27500 |
| 11.604 | H | BBC PRIME | 27500 |
| 11.604 | H | BOOMERANG | 27500 |
| 11.604 | H | CARTOON NETWORK | 27500 |
| 11.604 | H | CINEMA CITY +1 | 27500 |
| 11.604 | H | DISCOVERY CHANNEL | 27500 |
| 11.604 | H | DISCOVERY T&L | 27500 |
| 11.604 | H | DISNEY CHANNEL | 27500 |
| 11.604 | H | ORBIT NEWS | 27500 |
| ● 11.604 | H | ORBIT NEWS 2 | 27500 |
| 11.604 | H | SUPER COMEDY +2 | 27500 |
| 11.604 | H | TOON DISNEY | 27500 |
| 11.604 | H | CNNI | 27500 |
| 11.604 | H | e-GMA DZBB | 27500 |
| 11.604 | H | e-KHALIJYA'T | 27500 |
| 11.604 | H | e-MONAWA'T | 27500 |
| 11.604 | H | e-TARABIYA'T | 27500 |
| 11.623 | V | Al-Khel TV | 27500 |
| ● 11.623 | V | Alhema | 27500 |
| ● 11.623 | V | Auto one TV | 27500 |
| 11.623 | V | Bahrain TV | 27500 |
| 11.623 | V | Bin-Othaimeen | 27500 |
| 11.623 | V | Jasco | 27500 |
| 11.623 | V | NART | 27500 |
| 11.623 | V | Oscar Drama | 27500 |
| 11.623 | V | Ritmo TV | 27500 |
| 11.623 | V | Sada Al Islam | 27500 |
| 11.623 | V | Salwa | 27500 |
| 11.623 | V | SANA | 27500 |
| 11.623 | V | Touor_Al-Janah | 27500 |
| 11.635 | H | Fann | 14468 |
| 11.635 | H | Mkls Feed | 14468 |
| 11.635 | H | Music Now | 14468 |
| 11.635 | H | Salwa | 14468 |
| 11.662 | V | 4Shabab TV | 27500 |
| 11.662 | V | Afkar-wa-Mawaheb | 27500 |
| 11.662 | V | Al JADEED | 27500 |
| ● 11.662 | V | Al-Montada | 27500 |
| 11.662 | V | AlSumaria | 27500 |
| 11.662 | V | Arrai | 27500 |
| ● 11.662 | V | Auto One TV | 27500 |
| ● 11.662 | V | DM ARABIA | 27500 |
| 11.662 | V | HAJ and OMRA | 27500 |
| 11.662 | V | IRAQ Economic | 27500 |
| 11.662 | V | Karbala | 27500 |
| 11.662 | V | Mihnati-Artvision | 27500 |
| 11.662 | V | Shababeek | 27500 |
| 11.662 | V | STOCK TV | 27500 |
| 11.681 | H | AL SAFWA | 27500 |
| 11.681 | H | AL YAWM | 27500 |
| 11.681 | H | CINEMA 1 | 27500 |
| 11.681 | H | CINEMA 2 | 27500 |
| 11.681 | H | FANN | 27500 |
| 11.681 | H | GMA LIFE TV | 27500 |
| 11.681 | H | GMA Pinoy TV | 27500 |
| 11.681 | H | HISTORY CHANNEL | 27500 |
| 11.681 | H | HOLLYWOOD | 27500 |
| 11.681 | H | NBA TV | 27500 |
| 11.681 | H | NBN PINOY NEWS | 27500 |
| 11.681 | H | SERIES+4 | 27500 |
| 11.681 | H | SUPER MOVIES+1 | 27500 |
| 11.681 | H | TCM | 27500 |
| 11.681 | H | GMA DWLS FM | 27500 |
| ● 11.001 | V | ftvarabia | 3570 |
| ● 11.001 | V | Jarastv | 3570 |
| ● 11.001 | V | OYOUN TV | 3570 |

**North Africa, Middle East**
**BADR-3,4**
**26.0 East**

BADR03KB

| Freq GHz | Pol | Channel Name | Symbol rate |
|---|---|---|---|
| 11.727 | H | Algeria | 27500 |
| 11.727 | H | Booyut Motmaeena | 27500 |
| 11.727 | H | Eriteria | 27500 |
| 11.727 | H | Ethiopia | 27500 |
| 11.727 | H | Hannibal | 27500 |
| 11.727 | H | Libya Sport (Riadia) | 27500 |
| 11.727 | H | Libya TV | 27500 |
| 11.727 | H | Mauritania | 27500 |
| 11.727 | H | Morroco TV | 27500 |
| 11.727 | H | Tunis | 27500 |
| 11.727 | H | Tunisie 21 | 27500 |
| 11.727 | H | Algeria R1 | 27500 |
| 11.727 | H | Algeria R2 | 27500 |
| 11.727 | H | Eritera R1 | 27500 |
| 11.727 | H | Eriteria R2 | 27500 |
| 11.727 | H | Ethiopia R1 | 27500 |
| 11.727 | H | Mauritania R1 | 27500 |
| 11.727 | H | R- Tunisie- Culture | 27500 |
| 11.727 | H | R- Tunisie- Internat | 27500 |
| 11.727 | H | R- Tunisie- National | 27500 |
| 11.727 | H | Zitouna Tunisie | 27500 |
| 11.747 | V | A Thuraya | 27500 |
| 11.747 | V | AAKAR | 27500 |
| 11.747 | V | Al Jawhara TV | 27500 |
| 11.747 | V | Alkawthar | 27500 |
| 11.747 | V | ASNshop | 27500 |
| 11.747 | V | Oman | 27500 |
| 11.747 | V | Oyoun Jeddah | 27500 |
| 11.747 | V | Saudi 1 | 27500 |
| 11.747 | V | Saudi 2 | 27500 |
| 11.747 | V | Tayba TV | 27500 |
| 11.747 | V | Test | 27500 |
| 11.747 | V | OMAN ENGLISH PROG | 27500 |
| 11.747 | V | OMAN GENERAL PROG | 27500 |
| 11.747 | V | OMAN YOUTH PROGRA | 27500 |
| 11.747 | V | Radio RMC | 27500 |
| 11.747 | V | RFI Radio | 27500 |
| 11.747 | V | Saudi 2 R1 | 27500 |
| 11.747 | V | Saudi1 R1 | 27500 |
| 11.747 | V | Saudi1 R2 | 27500 |
| 11.785 | V | A1 Shop | 27500 |
| 11.785 | V | El Emarah | 27500 |
| 11.785 | V | Future USA | 27500 |
| 11.785 | V | Ghinwa | 27500 |
| 11.785 | V | Sahm TV | 27500 |
| 11.785 | V | Strike | 27500 |
| 11.785 | V | Test 1 | 27500 |
| 11.785 | V | Test 10 | 27500 |
| 11.785 | V | Test 11 | 27500 |
| 11.785 | V | Test 12 | 27500 |
| 11.785 | V | Test 13 | 27500 |
| 11.785 | V | Test 15 | 27500 |
| 11.785 | V | Test 5 | 27500 |
| 11.785 | V | Test 6 | 27500 |
| 11.785 | V | Test 8 | 27500 |
| 11.804 | H | A1 Shop | 27500 |
| 11.804 | H | ABU DHABI-A | 27500 |
| 11.804 | H | ABU DHABI-E | 27500 |
| 11.804 | H | AD Sports | 27500 |
| 11.804 | H | AL Emarat | 27500 |
| 11.804 | H | AlQuds TV | 27500 |
| 11.804 | H | El Emarah | 27500 |
| 11.804 | H | Future USA | 27500 |
| 11.804 | H | Ghinwa | 27500 |
| 11.804 | H | Poet | 27500 |
| 11.804 | H | Sahm TV | 27500 |
| 11.804 | H | SHARJAH TV | 27500 |
| 11.804 | H | Strike | 27500 |
| 11.804 | H | Test 1 | 27500 |
| 11.804 | H | Test 10 | 27500 |
| 11.804 | H | Test 11 | 27500 |
| 11.804 | H | Test 12 | 27500 |
| 11.804 | H | Test 13 | 27500 |
| 11.804 | H | Test 15 | 27500 |
| 11.804 | H | Test 2 | 27500 |
| 11.804 | H | Test 3 | 27500 |
| 11.804 | H | Test 5 | 27500 |
| 11.804 | H | Test 6 | 27500 |
| 11.804 | H | Test 8 | 27500 |
| 11.804 | H | Training | 27500 |
| 11.804 | H | ABU DHABI RADIO | 27500 |
| 11.804 | H | AD RADIO 1 | 27500 |
| 11.804 | H | ALAIN Athaan | 27500 |
| 11.804 | H | ALATHAN Radio | 27500 |
| 11.804 | H | EMARAT FM | 27500 |
| 11.804 | H | Fujairah Athaan | 27500 |
| 11.804 | H | LIWA Athaan | 27500 |
| 11.804 | H | QURAAN QARIM | 27500 |
| 11.804 | H | SHARJAH Radio | 27500 |
| 11.804 | H | SOWT ALMUSICA | 27500 |
| 11.804 | H | Test | 27500 |
| 11.843 | H | Al-Resaala | 27500 |
| 11.843 | H | Arabsat Promotion Ch | 27500 |
| 11.843 | H | Fox Movies | 27500 |
| 11.843 | H | Info.Mohammd | 27500 |
| 11.843 | H | Rotana Cinema | 27500 |
| 11.843 | H | Rotana Clip | 27500 |
| 11.843 | H | Rotana Khalijiah | 27500 |
| 11.843 | H | Rotana Music | 27500 |
| 11.843 | H | Rotana Tarab | 27500 |
| 11.843 | H | Rotana Zaman | 27500 |
| 11.843 | H | test | 27500 |
| 11.862 | V | A lpha Shop | 27500 |
| 11.862 | V | AL JAZEERA CHILDR | 27500 |
| 11.862 | V | Montada | 27500 |
| 11.862 | V | Najah | 27500 |
| 11.862 | V | Oman TV2 | 27500 |
| 11.862 | V | Rawae | 27500 |
| 11.862 | V | Scope TV | 27500 |
| 11.862 | V | Sehraya TV | 27500 |
| 11.862 | V | Test 2 | 27500 |
| 11.862 | V | Test 3 | 27500 |
| 11.862 | V | Test4 | 27500 |
| 11.862 | V | Yara TV | 27500 |
| 11.862 | V | ALKAWTHAR Radio | 27500 |
| 11.862 | V | Oman Quraan Karim | 27500 |
| 12.015 | V | Al-EKhbaria | 27500 |
| 12.015 | V | Saudi Sport | 27500 |
| 12.015 | V | Saudi TV | 27500 |
| 12.015 | V | Saudi-1 | 27500 |
| 12.015 | V | Saudi-2 | 27500 |
| 12.015 | V | European | 27500 |
| 12.015 | V | Holy Quran | 27500 |
| 12.015 | V | Radio-5 | 27500 |
| 12.015 | V | Saudi Radio-1 | 27500 |
| 12.015 | V | Saudi Radio-2 | 27500 |

BADR04KB

| Freq GHz | Pol | Channel Name | Symbol rate |
|---|---|---|---|
| 11.823 | V | AlManar | 27500 |

| Freq GHz | Pol | Channel Name | Symbol rate |
|---|---|---|---|
| 11.823 | V | Future News | 27500 |
| 11.823 | V | Future TV | 27500 |
| 11.823 | V | Future USA | 27500 |
| 11.823 | V | LBCI | 27500 |
| 11.823 | V | OTV | 27500 |
| 11.823 | V | Star Academy | 27500 |
| 11.823 | V | TeleLiban | 27500 |
| 11.823 | V | test 5 | 27500 |
| 11.823 | V | Thane Express | 27500 |
| 11.823 | V | Radio El Nour | 27500 |
| 11.823 | V | Radio Orient | 27500 |
| 11.919 | H | MBC Int | 27500 |
| 11.919 | H | AL-Arabiya | 27500 |
| 11.919 | H | MBC Action | 27500 |
| ● 11.919 | H | MBC MAX | 27500 |
| 11.919 | H | MBC Persia | 27500 |
| 11.919 | H | MBC1 | 27500 |
| 11.919 | H | MBC2 | 27500 |
| 11.919 | H | MBC3 | 27500 |
| 11.919 | H | MBC4 | 27500 |
| 11.919 | H | TXT TV | 27500 |
| 11.919 | H | Jeddah FM | 27500 |
| 11.919 | H | MBC FM | 27500 |
| 11.919 | H | MBC FM ER | 27500 |
| 11.919 | H | Panjordon | 27500 |
| 11.919 | H | Panorama | 27500 |
| 11.919 | H | Riyadh FM | 27500 |
| 11.938 | V | Al Hurra | 27500 |
| 11.938 | V | Al Hurra Iraq | 27500 |
| 11.938 | V | AlManar TV | 27500 |
| 11.938 | V | Ameen | 27500 |
| 11.938 | V | AutoOne | 27500 |
| 11.938 | V | Bab El Mawada | 27500 |
| 11.938 | V | Beeaty TV | 27500 |
| 11.938 | V | DiTVe Promo 3 | 27500 |
| 11.938 | V | Done Deal TV | 27500 |
| 11.938 | V | Fanoos | 27500 |
| 11.938 | V | Hamsa | 27500 |
| ● 11.938 | V | Musabaqat al Quran a | 27500 |
| 11.938 | V | OTV | 27500 |
| 11.938 | V | Rayhana TV | 27500 |
| 11.938 | V | Romanceya TV | 27500 |
| 11.938 | V | Shefaa TV | 27500 |
| ● 11.938 | V | TEST | 27500 |
| 11.938 | V | U-Mark | 27500 |
| 11.938 | V | El Nour Radio | 27500 |
| 11.938 | V | Radio Farda | 27500 |
| 11.938 | V | Radio Iraq north and | 27500 |
| 11.938 | V | Radio Sawa Iraq | 27500 |
| 11.938 | V | Radio Sawa Levent | 27500 |
| 11.938 | V | Radio Sawa Sudan | 27500 |
| 11.957 | H | HD VISIO TV | 27500 |
| 11.957 | H | LUXE TV HD | 27500 |
| 11.957 | H | Melody Zen HD | 27500 |
| 11.957 | H | HD VISIO TV2 | 27500 |
| 11.957 | H | TEST | 27500 |
| 11.958 | H | HD VISIO TV | 27500 |
| 11.958 | H | LUXE TV HD | 27500 |
| 11.958 | H | Melody Zen HD | 27500 |
| 11.958 | H | HD VISIO TV2 | 27500 |
| 11.958 | H | TEST | 27500 |
| 11.976 | V | Al Watan Plus | 27500 |
| 11.976 | V | Al Watan TV | 27500 |
| 11.996 | H | Al Jazzera | 27500 |
| 11.996 | H | AlAlam | 27500 |
| 11.996 | H | AlMustakillah | 27500 |
| 11.996 | H | Arabsat Promotional | 27500 |
| 11.996 | H | BBC Arabic | 27500 |
| 11.996 | H | CNBC Arabiya | 27500 |
| 11.996 | H | France 24 (in Arabic | 27500 |
| 11.996 | H | Nessma TV | 27500 |
| 11.996 | H | Rusiya Al-Yaum | 27500 |
| 11.996 | H | TEST | 27500 |
| 11.996 | H | AlAlam R1 | 27500 |
| 11.996 | H | AlAlam R2 | 27500 |
| 11.996 | H | BBC World English | 27500 |
| 11.996 | H | BBC World Service | 27500 |
| 11.996 | H | CNBC Arabiya R1 | 27500 |
| 11.996 | H | WRN (Sawt AlAlam) | 27500 |
| 12.034 | H | AL JAZEERA CHILDR | 27500 |
| 12.034 | H | Alkass | 27500 |
| 12.034 | H | JSC | 27500 |
| 12.034 | H | JSC Documentary | 27500 |
| 12.034 | H | JSC English | 27500 |
| 12.034 | H | JSC Mubasher | 27500 |
| 12.034 | H | JSC Sports | 27500 |
| 12.034 | H | Qatar TV | 27500 |
| 12.034 | H | Qatar Radio | 27500 |
| 12.034 | H | Sout Al Khaleej | 27500 |
| 12.034 | H | Sout Al Rayyan | 27500 |
| 12.053 | V | Addounia TV | 27500 |
| 12.053 | V | AlAqsa | 27500 |
| 12.053 | V | AlRai | 27500 |
| 12.053 | V | Awtan | 27500 |
| 12.053 | V | Jordan TV | 27500 |
| 12.053 | V | KBS W | 27500 |
| 12.053 | V | Khabar | 27500 |
| 12.053 | V | Live TV | 27500 |
| 12.053 | V | Press TV | 27500 |
| 12.053 | V | Syria TV | 27500 |
| ● 12.053 | V | Test | 27500 |
| 12.053 | V | AlAqsa Voice | 27500 |
| 12.053 | V | Jordan Fann | 27500 |
| 12.053 | V | Jordan Radio | 27500 |
| 12.053 | V | Syria R1 | 27500 |
| 12.053 | V | Syria R2 | 27500 |
| 12.053 | V | Syria R3 | 27500 |
| 12.072 | H | Aalam Hawaa | 27500 |
| 12.072 | H | Al Hiwar | 27500 |
| 12.072 | H | ANN TV | 27500 |
| 12.072 | H | Arabsat Promotion Ch | 27500 |
| 12.072 | H | Arosty | 27500 |
| 12.072 | H | Bab El Mawada | 27500 |
| 12.072 | H | BBC World Middle E | 27500 |
| 12.072 | H | Douaa TV | 27500 |
| 12.072 | H | Euronews | 27500 |
| 12.072 | H | Funoon TV | 27500 |
| 12.072 | H | Luxe TV | 27500 |
| 12.072 | H | NHK World | 27500 |
| 12.072 | H | Seha TV | 27500 |
| 12.072 | H | TEST | 27500 |
| 12.072 | H | TV5 Monde Orient | 27500 |
| 12.073 | H | Aalam Hawaa | 27500 |
| 12.073 | H | Al Hiwar | 27500 |
| 12.073 | H | ANN TV | 27500 |
| 12.073 | H | Arabsat Promotion Ch | 27500 |
| 12.073 | H | Arosty | 27500 |
| 12.073 | H | Bab El Mawada | 27500 |
| 12.073 | H | BBC World Middle E | 27500 |
| 12.073 | H | Douaa TV | 27500 |
| 12.073 | H | Euronews | 27500 |
| 12.073 | H | Funoon TV | 27500 |
| 12.073 | H | Luxe TV | 27500 |
| 12.073 | H | NHK World | 27500 |
| 12.073 | H | Seha TV | 27500 |
| 12.073 | H | TEST | 27500 |
| 12.073 | H | TV5 Monde Orient | 27500 |
| 12.092 | V | AL HRMAIN | 27500 |
| 12.092 | V | AL MOJTAMA | 27500 |
| 12.092 | V | ALDAFRAH Music | 27500 |
| 12.092 | V | Dunia TV | 27500 |
| ● 12.092 | V | EBONY TV | 27500 |
| 12.092 | V | Fujairah Media 12 | 27500 |
| 12.092 | V | orient | 27500 |
| ● 12.092 | V | QRANNI TV | 27500 |
| ● 12.092 | V | SAHAR TV | 27500 |
| 12.092 | V | Shaer al Rasoul | 27500 |
| 12.092 | V | TEAM TV | 27500 |
| 12.092 | V | Zoal TV | 27500 |
| ● 12.092 | V | Coast FM | 27500 |
| 12.092 | V | Fujairah FM Radio | 27500 |
| 12.111 | H | Al Eqtisadia TV | 27500 |
| 12.111 | H | ALAAN TV | 27500 |
| 12.111 | H | ARIRANG | 27500 |
| 12.111 | H | ASHOROOQ TV | 27500 |
| 12.111 | H | Decision Makers Tv | 27500 |
| 12.111 | H | Dubai Sports 2 | 27500 |
| 12.111 | H | INFINITY 2 | 27500 |
| 12.111 | H | Jawna | 27500 |
| 12.111 | H | SHARAQIYA | 27500 |
| 12.130 | H | 4FUN | 27500 |
| 12.130 | H | Ahlulbayt | 27500 |
| 12.130 | H | Al Eqtisadia TV | 27500 |
| 12.130 | V | Al Haqiqa | 27500 |
| 12.130 | V | Al Motahdth | 27500 |

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| Freq GHz | Pol | Channel Name | Symbol rate |
|---|---|---|---|
| 12.130 | H | ALAAN TV | 27500 |
| 12.130 | H | ARIRANG | 27500 |
| 12.130 | H | ASHOROOQ TV | 27500 |
| 12.130 | H | Decision Makers Tv | 27500 |
| 12.130 | V | Dubai One | 27500 |
| 12.130 | H | Dubai Racing | 27500 |
| 12.130 | H | Dubai Sport | 27500 |
| 12.130 | H | Dubai Sports 2 | 27500 |
| 12.130 | H | Dubai TV | 27500 |
| 12.130 | H | INFINITY 2 | 27500 |
| 12.130 | H | IQRA | 27500 |
| 12.130 | H | Jawna | 27500 |
| 12.130 | V | Marasil | 27500 |
| 12.130 | V | Nilat | 27500 |
| 12.130 | V | Sama Dubai | 27500 |
| 12.130 | H | SHARAQIYA | 27500 |
| 12.130 | V | Al Mirbad Radio | 27500 |
| ●12.149 | H | Al-Adalah | 27500 |
| 12.149 | H | ALBAGHDADIA | 27500 |
| 12.149 | H | ALhayat | 27500 |
| 12.149 | H | ALRwaad | 27500 |
| 12.149 | H | Amwaj | 27500 |
| 12.149 | H | Arosty | 27500 |
| 12.149 | H | Bedayah Nesaaya TV | 27500 |
| 12.149 | H | Daleel | 27500 |
| 12.149 | H | FUNoon Plus | 27500 |
| 12.149 | H | Hala TV | 27500 |
| ●12.149 | H | Hayatouna TV | 27500 |
| ●12.149 | H | Safa TV | 27500 |
| 12.149 | H | Wtanya | 27500 |
| 12.167 | V | Al Dawliya | 27500 |
| 12.167 | V | Ghiras TV | 27500 |
| 12.167 | V | MTV ARABIA | 27500 |
| 12.167 | V | Nickelodeon | 27500 |
| 12.167 | V | NOOR DUBAI | 27500 |
| 12.182 | H | AL-EMAN | 16200 |
| 12.182 | H | SHEBA | 16200 |
| 12.182 | H | YAMANIA | 16200 |
| 12.182 | H | YEMEN | 16200 |
| 12.182 | H | YEMEN R1 | 16200 |
| 12.182 | H | YEMEN R2 | 16200 |
| 12.182 | H | YEMEN R3 | 16200 |
| 12.182 | H | YEMEN R4 | 16200 |
| 12.206 | V | Aalam Hawaa | 27500 |
| 12.206 | V | Al-Iraqia | 27500 |
| 12.206 | V | AL-majd | 27500 |
| 12.206 | V | AL-majd Quran | 27500 |
| 12.206 | V | PEACE TV | 27500 |
| 12.206 | V | PSC | 27500 |
| 12.206 | V | Qatar TV | 27500 |
| 12.206 | V | RTD DJIBOUTI | 27500 |
| 12.206 | V | Sehraya | 27500 |
| 12.206 | V | Shada | 27500 |
| 12.206 | V | Sudan TV | 27500 |
| 12.206 | V | Tayba TV | 27500 |
| 12.206 | V | Al-Iraqia Quran | 27500 |
| 12.206 | V | Djibouti Radio | 27500 |
| 12.206 | V | PSC Radio | 27500 |
| 12.206 | V | Qatar Radio | 27500 |
| 12.206 | V | Radio Baghdad | 27500 |
| 12.206 | V | Sudan R1 | 27500 |
| 12.206 | V | Sudan R2 | 27500 |
| 12.206 | V | Tayba Radio | 27500 |
| 12.226 | H | Bahrain 55 | 27500 |
| 12.226 | H | Bahrain Sport | 27500 |
| 12.226 | H | Bahrain TV | 27500 |
| 12.226 | H | Test 1 | 27500 |
| 12.226 | H | Test 2 | 27500 |
| 12.226 | H | Test 3 | 27500 |
| 12.226 | H | Test 4 | 27500 |
| 12.226 | H | Test 5 | 27500 |
| 12.226 | H | Test 6 | 27500 |
| 12.226 | H | Test 7 | 27500 |
| 12.226 | H | Arab Classical Music | 27500 |
| 12.226 | H | Bahrain FM | 27500 |
| 12.226 | H | Bahrain Radio genera | 27500 |
| 12.226 | H | Holy Quran Channel | 27500 |
| 12.226 | H | News Channel | 27500 |
| 12.226 | H | Radio Bahrain | 27500 |
| 12.226 | H | Test 1 | 27500 |
| 12.226 | H | Traditional Music | 27500 |
| 12.284 | V | Aamal | 27500 |
| ●12.284 | V | AL- SENAAEA - I . | 27500 |
| 12.284 | V | Douaa | 27500 |
| ●12.284 | V | Eretria | 27500 |
| ●12.284 | V | Ethiopia | 27500 |
| ●12.284 | V | Future USA | 27500 |
| ●12.284 | V | Mauritania TV | 27500 |
| 12.284 | V | Montada | 27500 |
| ●12.284 | V | RAMATTAN MOBASHER | 27500 |
| 12.284 | V | Rawae TV | 27500 |
| ●12.284 | V | Roayah | 27500 |
| 12.284 | V | Scope TV | 27500 |
| ●12.284 | V | Syrian Education | 27500 |
| ●12.284 | V | EMARAT FM | 27500 |
| ●12.284 | V | Eretria R1 | 27500 |
| ●12.284 | V | Eriteria R2 | 27500 |
| ●12.284 | V | Ethiopia R1 | 27500 |
| ●12.284 | V | Ethiopia R2 | 27500 |
| ●12.284 | V | Mauritania R | 27500 |
| ●12.284 | V | Radio Orient | 27500 |
| 12.523 | H | ETHRAA | 27500 |
| 12.523 | H | KTV CH1 | 27500 |
| 12.523 | H | KTV.H.Quran | 27500 |
| 12.523 | H | KUWAIT CH2 | 27500 |
| 12.523 | H | KUWAIT FEED | 27500 |
| 12.523 | H | SPORT PLUS | 27500 |
| 12.523 | H | YOUTH SPORT | 27500 |
| 12.302 | H | Aamal | 27500 |
| 12.302 | H | Douaa | 27500 |
| 12.302 | H | Montada | 27500 |
| 12.302 | H | Play Maker | 27500 |
| 12.302 | H | Rawae TV | 27500 |
| 12.302 | H | Ruayh | 27500 |
| 12.302 | H | Scope TV | 27500 |

**Europe, Africa**

**C-Band: BADR 6**

**26.1 East**

**BADR0CCH**

| Freq GHz | Pol | Channel Name | Symbol rate |
|---|---|---|---|
| 3.882 | H | AAKAR | 27500 |
| 3.882 | H | Al Jawhara | 27500 |
| 3.882 | H | Booyut Motmaeena | 27500 |
| 3.882 | H | Family TV | 27500 |
| 3.882 | H | Oyoun Jeddah | 27500 |
| 3.882 | H | Press TV | 27500 |
| 3.882 | H | Sehraya | 27500 |
| 3.882 | H | Test | 27500 |
| 3.882 | H | Test1 | 27500 |
| 3.882 | H | Thane TV | 27500 |
| 3.882 | H | Thuraya TV | 27500 |
| 3.882 | H | Yara TV | 27500 |
| 4.040 | H | AD Sports | 27500 |
| 4.040 | H | Al Ekhbaria | 27500 |
| 4.040 | H | Dubai TV | 27500 |
| 4.040 | H | Ethiopia | 27500 |
| 4.040 | H | IQRA | 27500 |
| 4.040 | H | OTV | 27500 |
| 4.040 | H | PRESS TV | 27500 |
| 4.040 | H | Riyadiyah | 27500 |
| 4.040 | H | Saudi-1 | 27500 |
| 4.040 | H | Saudi-2 | 27500 |
| 4.040 | H | Ethiopia R1 | 27500 |
| 4.094 | H | BT15 | 4340 |

**Europe**

**ASTRA 2A,B,C,D, EUROBIRD 1**

**28.2 East**

| Freq GHz | Pol | Channel Name | Symbol rate |
|---|---|---|---|
| 11.759 | H | 1381 | 27500 |
| 11.759 | H | 1382 | 27500 |
| 11.759 | H | 1383 | 27500 |
| 11.759 | H | 1384 | 27500 |
| 11.759 | H | 1385 | 27500 |
| 11.759 | H | 1386 | 27500 |
| 11.759 | H | 1387 | 27500 |
| 11.759 | H | 1388 | 27500 |
| 11.759 | H | 1389 | 27500 |
| 11.759 | H | 1481 | 27500 |
| 11.759 | H | 1482 | 27500 |
| 11.759 | H | 1483 | 27500 |
| 11.759 | H | 1484 | 27500 |
| 11.759 | H | 1485 | 27500 |
| 11.759 | H | 1486 | 27500 |
| 11.759 | H | 1487 | 27500 |
| 11.759 | H | 1488 | 27500 |
| 11.759 | H | 1489 | 27500 |
| 11.778 | V | Music Choice | 27500 |
| 11.778 | V | 60s | 27500 |
| 11.778 | V | 70s | 27500 |
| 11.778 | V | 80s | 27500 |
| 11.778 | V | 90s | 27500 |
| 11.778 | V | All Day Party | 27500 |
| 11.778 | V | Arabic | 27500 |
| 11.778 | V | Bass, Breaks & Beats | 27500 |
| 11.778 | V | Blues | 27500 |
| 11.778 | V | Bollywood Hits | 27500 |
| 11.778 | V | Chansons | 27500 |
| 11.778 | V | Chillout | 27500 |
| 11.778 | V | Classic R'n'B & Soul | 27500 |
| 11.778 | V | Classic Rock | 27500 |
| 11.778 | V | Classical Calm | 27500 |
| 11.778 | V | Classical Greats | 27500 |
| 11.778 | V | Classical Orchestral | 27500 |
| 11.778 | V | Cocktail Lounge | 27500 |
| 11.778 | V | Cool Jazz | 27500 |
| 11.778 | V | Country | 27500 |
| 11.778 | V | DanceFloor Fillers | 27500 |
| 11.778 | V | Drive | 27500 |
| 11.778 | V | Freedom | 27500 |
| 11.778 | V | Groove (Disco & Funk | 27500 |
| 11.778 | V | Harder Than Hell | 27500 |
| 11.778 | V | Hip Hop | 27500 |
| 11.778 | V | Indie Classics | 27500 |
| 11.778 | V | Jazz Classics | 27500 |
| 11.778 | V | Kids | 27500 |
| 11.778 | V | New Age | 27500 |
| 11.778 | V | Reggae | 27500 |
| 11.778 | V | Revival (60s-70s) | 27500 |
| 11.778 | V | Rewind (80s-90s) | 27500 |
| 11.778 | V | Rock 'n' Roll | 27500 |
| 11.778 | V | Rock Anthems | 27500 |
| 11.778 | V | Schlager | 27500 |
| 11.778 | V | Silk (Love Songs) | 27500 |
| 11.778 | V | The Alternative - UK | 27500 |
| 11.778 | V | The Alternative-GER | 27500 |
| 11.778 | V | Total Hits - France | 27500 |
| 11.778 | V | Total Hits - Germany | 27500 |
| 11.778 | V | Total Hits - Italy | 27500 |
| 11.778 | V | Total Hits - NL | 27500 |
| 11.778 | V | Total Hits - Nordic | 27500 |
| 11.778 | V | Total Hits - Spain | 27500 |
| 11.778 | V | Total Hits - UK | 27500 |
| 11.778 | V | Türk Müziki | 27500 |
| 11.778 | V | Urban | 27500 |
| 11.778 | V | World Music | 27500 |
| 11.778 | V | EPG Background Audio | 27500 |
| 11.778 | V | IEPG data 1 | 27500 |
| 11.836 | H | Sky Action | 27500 |
| 11.836 | H | Sky Classics | 27500 |
| 11.836 | H | Sky Comedy | 27500 |
| 11.836 | H | Sky Drama | 27500 |
| 11.836 | H | Sky Family | 27500 |
| 11.836 | H | Sky Indie | 27500 |
| 11.836 | H | Sky ScFi/Horror | 27500 |
| ●11.856 | V | New | 29500 |
| ●11.856 | V | Sky Family HD | 29500 |
| ●11.856 | V | Sky Screen 2HD | 29500 |
| 11.915 | H | TV5 | 27500 |
| ●11.934 | V | Cust Chan Active | 27500 |
| 11.934 | V | Sky Cust Ch | 27500 |
| 11.934 | V | Games Slot 15 | 27500 |
| 11.954 | H | 6736 | 27500 |
| 11.954 | H | BBC NEWS | 27500 |
| 11.954 | H | BBC PARL'MNT | 27500 |
| 11.954 | H | T7 STRM-0 | 27500 |
| 11.954 | H | T7 STRM-1 | 27500 |
| 11.954 | H | 1Xtra BBC | 27500 |
| 11.954 | H | BBC London | 27500 |
| 11.954 | H | BBC 6 Music | 27500 |
| 11.954 | H | BBC 7 | 27500 |
| 11.954 | H | BBC Asian N. | 27500 |
| 11.954 | H | BBC R Cymru | 27500 |
| 11.954 | H | BBC R n Gael | 27500 |
| 11.954 | H | BBC R Scot. | 27500 |
| 11.954 | H | BBC R Ulster | 27500 |
| 11.954 | H | BBC R Wales | 27500 |
| 11.954 | H | BBC R1 | 27500 |
| 11.954 | H | BBC R2 | 27500 |
| 11.954 | H | BBC R3 | 27500 |
| 11.954 | H | BBC R4 FM | 27500 |
| 11.954 | H | BBC R4 LW | 27500 |
| 11.954 | H | BBC WS | 27500 |
| 11.954 | H | ETV3 | 27500 |
| 12.149 | H | Eurosport2 UK | 27500 |
| 12.149 | H | Hallmark | 27500 |
| 12.149 | H | ParaComedy 2 | 27500 |
| 12.149 | H | S1Test | 27500 |
| 12.149 | H | Sky Sports 1 | 27500 |
| 12.149 | H | Sky Spts News | 27500 |
| 12.149 | H | Sky Spts Xtra | 27500 |
| 12.149 | H | SP News | 27500 |
| 12.149 | H | SP Xtra | 27500 |
| 12.168 | V | C4L Test 1 | 27500 |
| 12.168 | V | Channel 4 | 27500 |
| 12.227 | H | 1837 | 27500 |
| 12.227 | H | 1840 | 27500 |
| 12.227 | H | 1871 - OSM Test | 27500 |
| 12.227 | H | KISS | 27500 |
| 12.227 | H | Q | 27500 |
| 12.227 | H | Sky One | 27500 |
| 12.227 | H | Sky Three | 27500 |
| 12.227 | H | Sky Two | 27500 |
| 12.227 | H | The Box | 27500 |
| 12.227 | H | CommunityChnl | 27500 |
| 12.227 | H | Movie Quiz | 27500 |
| 12.227 | H | Vegas Monopoly | 27500 |
| 12.246 | V | Sky Bet, Vegas & Sky | 27500 |
| 12.246 | V | Vegas Pyramid | 27500 |
| 12.246 | V | Vegas Rainbow Riches | 27500 |
| 12.246 | V | WAP Browser 1 | 27500 |
| 12.246 | V | WAP Browser 2 | 27500 |
| 12.246 | V | Wonder Perks | 27500 |
| ●11.720 | H | Sky Screen 1HD | 29500 |
| 11.720 | H | Sky Sports HD2 | 29500 |
| 11.720 | H | SkyPremiereHD | 29500 |
| 11.739 | V | Bravo | 27500 |
| 11.739 | V | Bravo+ | 27500 |
| 11.739 | V | Bravo+1 | 27500 |
| 11.739 | V | Bravo~ | 27500 |
| 11.739 | V | Challenge | 27500 |
| 11.739 | V | Challenge+ | 27500 |
| 11.739 | V | LIVING | 27500 |
| 11.739 | V | LIVING +1 | 27500 |
| 11.739 | V | Living+ | 27500 |
| 11.739 | V | LIVING2 | 27500 |
| 11.739 | V | test~~ | 27500 |
| 11.739 | V | Trouble | 27500 |
| 11.739 | V | Trouble+ | 27500 |
| 11.797 | H | Channel 4 HD | 29500 |
| 11.797 | H | Sky Sports HD1 | 29500 |
| ●11.797 | H | SkyRealLiveHD | 29500 |
| ●11.817 | V | 6520 | 27500 |
| 11.817 | V | Dave | 27500 |
| 11.817 | V | UK Food~ | 27500 |
| 11.817 | V | UKTV Docs | 27500 |
| 11.817 | V | Uktv Docs~ | 27500 |
| 11.817 | V | UKTV Drama | 27500 |
| 11.817 | V | UKTV Food | 27500 |
| 11.817 | V | UKTV Gold | 27500 |
| 11.817 | V | UKTV History | 27500 |
| 11.817 | V | UKTV Style | 27500 |
| 11.876 | H | Animal Planet | 27500 |
| 11.876 | H | dis+ | 27500 |
| 11.876 | H | Disc.H&H+1 | 27500 |
| 11.876 | H | Disc.H&Health | 27500 |
| 11.876 | H | Disc.Knowldge | 27500 |
| 11.876 | H | Disc.RealTime | 27500 |
| 11.876 | H | Disc.Science | 27500 |
| 11.876 | H | Disc.Travel&L | 27500 |
| 11.876 | H | Disc.Turbo | 27500 |
| 11.876 | H | Discovery | 27500 |
| 11.876 | H | Discovery+1 | 27500 |
| 11.876 | H | H&Li | 27500 |
| 11.895 | V | 7042 | 27500 |
| 11.895 | V | Mti | 27500 |
| 11.895 | V | MTV BASE | 27500 |
| 11.895 | V | MTV DANCE | 27500 |
| 11.895 | V | MTV HITS | 27500 |
| 11.895 | V | MTV ONE | 27500 |
| 11.895 | V | MTV ONE +1 | 27500 |
| 11.895 | V | MTV Trax | 27500 |
| 11.895 | V | MTV TWO | 27500 |
| 11.895 | V | MTV® | 27500 |
| 11.895 | V | TMF | 27500 |
| 11.895 | V | VH1 | 27500 |
| 11.895 | V | VH1 Classic | 27500 |
| 12.051 | V | Boomerang | 27500 |
| 12.051 | V | Boomerang +1 | 27500 |
| 12.051 | V | Cartoon I | 27500 |
| 12.051 | V | Cartoon Netwrk | 27500 |
| 12.051 | V | CN Too | 27500 |
| 12.051 | V | Toonami I | 27500 |
| 12.051 | V | CNN | 27500 |
| 12.051 | V | 5606 | 27500 |
| 12.129 | V | B4U Movies | 27500 |
| 12.129 | V | 7308 | 27500 |
| 12.129 | V | B4U Music | 27500 |
| 12.129 | V | Create & Craft | 27500 |
| 12.129 | V | Ideal World 2 | 27500 |
| 12.129 | V | S4C | 27500 |
| 12.129 | V | S4C SE | 27500 |
| 12.129 | V | S4C2 | 27500 |
| 12.129 | V | Teletext Holidays | 27500 |
| 12.129 | V | Teletext Hols | 27500 |
| 12.480 | V | 12005 | 27500 |
| 12.480 | V | Channel 4 | 27500 |
| 12.480 | V | Channel 4 +1 | 27500 |
| ●12.480 | V | E4 | 27500 |
| 12.480 | V | E4+1 | 27500 |
| ●12.480 | V | More4 | 27500 |
| 12.480 | V | Brit Asia TV | 27500 |
| 12.480 | V | Red | 27500 |
| 12.480 | V | TT on 4 | 27500 |
| 12.480 | V | PRL 24 | 27500 |
| 11.993 | H | 6103 | 27500 |
| 11.993 | H | 7360 | 27500 |
| 11.993 | H | 7601 | 27500 |
| 11.993 | H | Dave +1 | 27500 |
| 11.993 | H | UKTV Docs+1 | 27500 |
| 11.993 | H | UKTV Drama+1 | 27500 |
| 11.993 | H | UKTV Food +1 | 27500 |
| 11.993 | H | UKTV Gold +1 | 27500 |
| 11.993 | H | Uktv Gold+1~ | 27500 |
| 11.993 | H | UKTV People | 27500 |
| 11.993 | H | UKTV Style +1 | 27500 |
| 12.012 | V | Entertainment Video | 27500 |
| 12.012 | V | Portal Video | 27500 |
| 12.012 | V | Portal Video 1 | 27500 |
| 12.012 | V | Portal Video 2 | 27500 |
| 12.012 | V | Portal Video 5 | 27500 |
| 12.012 | V | Sky Wonder Perks | 27500 |
| 12.012 | V | Video Application Va | 27500 |
| 12.012 | V | Cartoon Network Game | 27500 |
| 12.012 | V | Cartoon Network Game | 27500 |
| 12.012 | V | Cartoon Network Game | 27500 |
| 12.012 | V | Cartoon Network Game | 27500 |
| 12.012 | V | Games Slot 1 | 27500 |
| 12.012 | V | Games Slot 10 | 27500 |
| 12.012 | V | Games Slot 11 | 27500 |
| 12.012 | V | Games Slot 12 | 27500 |
| 12.012 | V | Games Slot 13 | 27500 |
| 12.012 | V | Games Slot 14 | 27500 |
| 12.012 | V | Games Slot 2 | 27500 |
| 12.012 | V | Games Slot 3 | 27500 |
| 12.012 | V | Games Slot 4 (catfla | 27500 |
| 12.012 | V | Games Slot 5 | 27500 |
| 12.012 | V | Games Slot 6 | 27500 |
| 12.012 | V | Games Slot 7 | 27500 |
| 12.012 | V | Games Slot 9 | 27500 |
| 12.012 | V | Personal Organiser | 27500 |
| 12.012 | V | Portal Video Applica | 27500 |
| 12.012 | V | Sky Bet, Vegas & Sky | 27500 |
| 12.012 | V | Vegas Rainbow Riches | 27500 |
| 12.070 | H | FOX News | 27500 |
| 12.070 | H | Kerrang! | 27500 |
| 12.070 | H | Magic | 27500 |
| 12.070 | H | Sky Sports 1 | 27500 |
| 12.070 | H | Sky Sports 3 | 27500 |
| 12.070 | H | Sky Spts News | 27500 |
| 12.070 | H | Sky Spts Xtra | 27500 |
| 12.070 | H | Smash Hits! | 27500 |
| 12.070 | H | The Hits | 27500 |
| 12.070 | H | Vegas Cashino | 27500 |
| 12.070 | H | Vegas Hit It Poker | 27500 |
| 12.070 | H | Vegas Wanted DOA | 27500 |
| 12.090 | V | STAR News | 27500 |
| 12.090 | V | STAR Plus | 27500 |
| 12.285 | V | 4609 | 27500 |
| 12.285 | V | Nat Geo | 27500 |
| 12.285 | V | Nat Geo+1hr | 27500 |
| 12.285 | V | RealmadridTV | 27500 |
| 12.285 | V | Sky One | 27500 |
| 12.285 | V | yd1oe6 | 27500 |
| 12.285 | V | yd2oe6 | 27500 |
| 12.285 | V | {Empty} | 27500 |
| 12.285 | V | Nat Geo App | 27500 |
| 12.383 | H | MMS 3 | 27500 |
| 12.383 | H | MMS 4 | 27500 |
| 12.383 | H | MMS 7 | 27500 |
| 12.383 | H | {Empty} | 27500 |
| 12.383 | H | 1697 | 27500 |
| 12.383 | H | 4301 | 27500 |
| 12.383 | H | Movies Active | 27500 |
| 12.383 | H | Sky | 27500 |
| 12.383 | H | Chl Line-up | 27500 |
| 12.402 | V | 12199 | 27500 |
| 12.402 | V | ITV1 Anglia W | 27500 |
| 12.402 | V | ITV1 Central SW | 27500 |
| 12.402 | V | ITV1 Mer N | 27500 |
| 12.402 | V | ITV1 Mer SE | 27500 |
| 12.402 | V | ITV1 TT S | 27500 |
| 12.402 | V | ITV1 Yorks E | 27500 |
| 12.461 | H | Coi Tobacco Dal | 27500 |
| 12.461 | H | Portal Video 7 | 27500 |
| 12.461 | H | WML IA Application | 27500 |
| 12.461 | H | WML IA Application | 27500 |
| 12.461 | H | Games Slot 25 | 27500 |
| 12.461 | H | launchpad | 27500 |
| 12.461 | H | Sky Active | 27500 |
| 12.461 | H | Sky Upgrade Dal | 27500 |
| 12.461 | H | TLM Portal Plug In | 27500 |
| 12.461 | H | Vegas Bar x5 | 27500 |
| 12.461 | H | Vegas Monty Python | 27500 |
| 12.461 | H | Vegas Pyramid | 27500 |
| 12.461 | H | WAP Browser 1 | 27500 |
| 12.461 | H | WAP Browser 2 | 27500 |
| 12.461 | H | WML Highscores | 27500 |
| 12.461 | H | Wonder Perks | 27500 |
| 11.973 | V | MAX | 27500 |
| 11.973 | V | Sony TV Asia | 27500 |
| 11.973 | V | UKTV Docs+1 | 27500 |
| 12.031 | H | bid tv | 27500 |
| 12.031 | H | Ideal World | 27500 |
| 12.031 | H | price-drop tv | 27500 |
| 12.031 | H | QVC | 27500 |
| 12.031 | H | QVC IMM Test | 27500 |
| 12.031 | H | QVC Mosaic Test | 27500 |
| 12.031 | H | QVC Test | 27500 |
| 12.031 | H | QVC TSVNOW | 27500 |
| 12.031 | H | speedauctiontv | 27500 |
| 12.110 | H | Cartoonito | 27500 |
| 12.110 | H | FX | 27500 |
| 12.110 | H | SBL | 27500 |
| 12.110 | H | Sky Sports 1 | 27500 |
| 12.110 | H | Sky Sports 2 | 27500 |
| 12.110 | H | Sky Sports 3 | 27500 |
| 12.110 | H | SP1 | 27500 |
| 12.110 | H | SP3 | 27500 |
| 12.110 | H | Games Slot 23 | 27500 |
| 12.110 | H | Games Slot 24 | 27500 |
| 12.188 | H | Chelsea TV | 27500 |
| 12.188 | H | E! Entertainm | 27500 |
| 12.188 | H | Eurosport UK | 27500 |
| 12.188 | H | MUTV | 27500 |
| 12.188 | H | Nat Geo Wild | 27500 |
| 12.188 | H | ParaComedy 1 | 27500 |
| 12.188 | H | TCM | 27500 |
| 12.188 | H | HSSNR | 27500 |
| 12.188 | H | snr3 | 27500 |
| 12.188 | H | Vegas DOND | 27500 |
| 12.207 | V | Sky News | 27500 |
| 12.207 | V | Sky News Eire (Cable | 27500 |
| 12.207 | V | Sky News UK (Cable) | 27500 |
| 12.265 | H | Jetix +1 | 27500 |
| 12.265 | H | Nick Jr Test | 27500 |
| 12.265 | H | Nick Jr. | 27500 |
| 12.265 | H | Nick Replay | 27500 |
| 12.265 | H | Nick Test | 27500 |
| 12.265 | H | Nickelodeon | 27500 |
| 12.265 | H | Nicktoons | 27500 |
| 12.265 | H | Sky Sports 2 | 27500 |
| 12.265 | H | SP2 | 27500 |
| 12.265 | H | {Empty} | 27500 |
| 12.305 | H | 1429 | 27500 |
| 12.305 | H | Crime | 27500 |
| 12.305 | H | Five T2 Reg 2 | 27500 |
| 12.305 | H | Jetix | 27500 |
| 12.305 | H | Retail Info | 27500 |
| 12.305 | H | Sky Premiere | 27500 |
| 12.305 | H | Sky Vegas | 27500 |
| 12.305 | H | SkyPoker.com | 27500 |
| 12.324 | V | Discovery HD | 29500 |
| 12.324 | V | HD Retail Info | 29500 |
| 12.344 | H | Eurosport HD | 29500 |
| 12.344 | H | Nat Geo HD | 29500 |
| 12.344 | H | Sky1 HD | 29500 |
| 12.363 | V | History HD | 29500 |
| 12.363 | V | SBO HD1 | 29500 |
| 12.363 | V | Sky Sports HD3 | 29500 |
| 12.441 | V | STREAM-0 | 27500 |
| 12.441 | V | STREAM-1 | 27500 |
| 12.441 | V | STREAM-2 | 27500 |
| 12.441 | V | STREAM-3 | 27500 |
| 12.441 | V | STREAM-4 | 27500 |
| 12.441 | V | STREAM-5 | 27500 |
| 12.441 | V | STREAM-6 | 27500 |

**AST02CKU**

| Freq GHz | Pol | Channel Name | Symbol rate |
|---|---|---|---|
| ●10.964 | H | 7702 | 22000 |
| ●10.964 | H | 7703 | 22000 |
| 10.964 | H | Five | 22000 |
| 10.964 | H | Five US | 22000 |
| 10.964 | H | Five US +1 | 22000 |
| 10.964 | H | FIVER | 22000 |
| 10.964 | H | FIVER +1 | 22000 |

**AST02DKB**

| Freq GHz | Pol | Channel Name | Symbol rate |
|---|---|---|---|
| 10.714 | H | C4L Test 1 | 22000 |
| 10.714 | H | Channel 4 | 22000 |
| 10.714 | H | Film4 | 22000 |
| 10.714 | H | Film4 +1 | 22000 |
| 10.714 | H | More4 +1 | 22000 |
| 10.729 | V | 8389 | 22000 |
| ●10.729 | V | c4 I +1 | 22000 |
| 10.729 | V | Channel 4 +1 | 22000 |
| ●10.729 | V | e4 | 22000 |
| 10.729 | V | E4 | 22000 |
| 10.729 | V | E4+1 | 22000 |
| 10.729 | V | More4 | 22000 |
| 10.744 | H | DW-TV | 22000 |
| 10.744 | H | RTE One | 22000 |
| 10.744 | H | RTE TWO | 22000 |
| ●10.744 | H | TG4 | 22000 |
| 10.744 | H | TV3 | 22000 |
| 10.744 | H | RTE 2FM | 22000 |
| 10.744 | H | RTE Lyric fm | 22000 |
| 10.744 | H | RTE R na G | 22000 |
| 10.744 | H | RTE Radio 1 | 22000 |
| ●10.759 | V | CITV | 22000 |
| 10.759 | V | ITV1 Anglia E | 22000 |
| 10.759 | V | ITV1 Central W | 22000 |
| 10.759 | V | ITV1 Granada | 22000 |
| 10.759 | V | ITV1 London | 22000 |
| 10.759 | V | ITV2 | 22000 |
| 10.759 | V | ITV4 | 22000 |
| 10.759 | V | Men & Motors | 22000 |
| ●10.773 | H | 6335 | 22000 |
| 10.773 | H | BBC 1 London | 22000 |
| 10.773 | H | BBC 1 NI | 22000 |
| 10.773 | H | BBC 2 England | 22000 |
| 10.773 | H | BBC FOUR | 22000 |
| 10.773 | H | BBC TES 3 | 22000 |
| 10.773 | H | BBC THREE | 22000 |
| 10.773 | H | ETV | 22000 |
| 10.788 | V | BBC 1 E Mids | 22000 |
| 10.788 | V | BBC 1 East (E) | 22000 |
| 10.788 | V | BBC 1 N West | 22000 |
| 10.788 | V | BBC 1 W Mids | 22000 |
| 10.788 | V | BBC 1 Yorks | 22000 |
| 10.788 | V | BBC 1 Yrks&Lin | 22000 |
| 10.788 | V | ETV5 | 22000 |
| 10.803 | H | BBC 1 Scotland | 22000 |
| 10.803 | H | BBC 1 Wales | 22000 |
| 10.803 | H | BBC 2 NI | 22000 |
| 10.803 | H | BBC 2 Scotland | 22000 |
| 10.803 | H | BBC 2W | 22000 |
| 10.803 | H | ETV2 | 22000 |
| ●10.803 | H | BBC R5L | 22000 |
| ●10.803 | H | BBC R5SX | 22000 |
| 10.818 | V | BBC 1 NE & C | 22000 |
| 10.818 | V | BBC 1 Oxford | 22000 |
| 10.818 | V | BBC 1 S East | 22000 |
| 10.818 | V | BBC 1 S West | 22000 |
| 10.818 | V | BBC 1 South | 22000 |
| 10.818 | V | BBC 1 West | 22000 |
| 10.818 | V | ETV6 | 22000 |
| 10.832 | H | G49 | 22000 |
| 10.832 | H | ITV1 Border | 22000 |
| 10.832 | H | ITV1 Central E | 22000 |
| 10.832 | H | ITV1 Central S | 22000 |
| 10.832 | H | ITV1 W Country | 22000 |
| 10.832 | H | ITV1 Wales | 22000 |
| 10.832 | H | ITV1 West | 22000 |
| 10.832 | H | ITVi Stream 2 | 22000 |
| 10.847 | V | 6945 | 22000 |
| 10.847 | V | BBC HD | 22000 |
| 10.847 | V | BBC 1 CI | 22000 |
| 10.847 | V | BBC 1 East (W) | 22000 |
| 10.862 | H | DCT (t51) | 22000 |
| 10.862 | H | Disney Chnl | 22000 |
| 10.862 | H | Disney Chnl+1 | 22000 |
| 10.862 | H | Disney Cine | 22000 |
| 10.862 | H | Disney Cine+1 | 22000 |
| 10.862 | H | Play Disney | 22000 |
| 10.862 | H | Play Disney+ | 22000 |
| 10.862 | H | ArrwRock | 22000 |
| 10.862 | H | Galaxy | 22000 |
| 10.862 | H | Heart | 22000 |
| 10.862 | H | LBC 97.3 | 22000 |
| 10.862 | H | Oneword | 22000 |
| 10.862 | H | punjabi radio | 22000 |
| 10.862 | H | Real Radio | 22000 |
| 10.862 | H | Smooth | 22000 |
| 10.862 | H | talkSPORT | 22000 |
| 10.862 | H | Vegas Cleopatra | 22000 |
| 10.862 | H | Vegas Diamond Compas | 22000 |
| 10.862 | H | Vegas Golden Doubloo | 22000 |
| 10.862 | H | Vegas Roulette II | 22000 |
| 10.877 | V | 1356 | 22000 |
| 10.877 | V | At The Races | 22000 |
| 10.877 | V | FX+ | 22000 |
| 10.877 | V | Sky Real Lives | 22000 |
| 10.877 | V | Sky Sports 2 | 22000 |
| 10.877 | V | Sky Travel | 22000 |
| 10.877 | V | SkyRealLive+1 | 22000 |
| 10.877 | V | SkyRealLives2 | 22000 |
| 10.891 | H | G53 | 22000 |
| 10.891 | H | ITV1 Anglia S | 22000 |
| 10.891 | H | ITV1 BorderSco | 22000 |
| 10.891 | H | ITV1 Meridian E | 22000 |
| 10.891 | H | ITV1 Meridian S | 22000 |
| 10.891 | H | ITV1 TT N | 22000 |
| 10.891 | H | ITV1 Yorks W | 22000 |
| 10.891 | H | ITV2+1 | 22000 |
| 10.906 | V | G54 | 22000 |
| 10.906 | V | ITV Channel Is | 22000 |
| 10.906 | V | ITV3 | 22000 |
| 10.906 | V | ITV3+1 | 22000 |
| 10.906 | V | stv | 22000 |
| 10.906 | V | UTV | 22000 |
| 10.921 | H | Current TV | 22000 |
| 10.921 | H | NDTV 24x7 | 22000 |
| 10.935 | V | 1391 | 22000 |
| 10.935 | V | 1392 | 22000 |
| 10.935 | V | 1393 | 22000 |
| 10.935 | V | 1394 | 22000 |
| 10.935 | V | 1395 | 22000 |
| 10.935 | V | 1396 | 22000 |
| 10.935 | V | 1397 | 22000 |
| 10.935 | V | 1398 | 22000 |
| 10.935 | V | 1399 | 22000 |
| 10.935 | V | 1471 | 22000 |
| 10.935 | V | 1472 | 22000 |
| 10.935 | V | 1473 | 22000 |
| 10.935 | V | 1474 | 22000 |
| 10.935 | V | 1475 | 22000 |
| 10.935 | V | 1476 | 22000 |
| 10.935 | V | 1477 | 22000 |
| 10.935 | V | 1478 | 22000 |
| 10.935 | V | {Empty} | 22000 |

**EUB001KF**

| Freq GHz | Pol | Channel Name | Symbol rate |
|---|---|---|---|
| 11.222 | H | Disc.Know.+1 | 27500 |
| 11.222 | H | DMAX+1 | 27500 |
| 11.222 | H | CelebrityShop | 27500 |
| 11.222 | H | Chat Box | 27500 |
| 11.222 | H | Clubland TV | 27500 |
| 11.222 | H | Fashion TV | 27500 |
| 11.222 | H | Get Lucky TV | 27500 |
| 11.222 | H | JJB Golf | 27500 |
| 11.222 | H | ROCKWORLDTV | 27500 |
| 11.222 | H | UCB TV | 27500 |
| 11.222 | H | Zone Horror+1 | 27500 |
| 11.222 | H | BFBS Radio | 27500 |
| 11.222 | H | Club Asia | 27500 |
| 11.222 | H | Sunrise | 27500 |
| 11.224 | V | Nollywood | 27500 |
| 11.224 | V | SAB TV | 27500 |
| 11.224 | V | Sahara One | 27500 |
| 11.224 | V | jazeerachildren | 27500 |
| 11.224 | V | movies4men | 27500 |
| 11.224 | V | movies4men 2 | 27500 |
| 11.224 | V | oMusic TV | 27500 |
| 11.224 | V | Pitch TV | 27500 |
| 11.224 | V | Pitch World | 27500 |
| 11.224 | V | PTV Global | 27500 |
| 11.260 | V | AAJ TAK | 27500 |
| 11.260 | V | Audi Channel | 27500 |
| 11.260 | V | Casino TV | 27500 |
| 11.260 | V | Fight Network | 27500 |
| 11.260 | V | Gospel Channel | 27500 |
| 11.260 | V | Nepali TV | 27500 |
| 11.260 | V | Open Access | 27500 |
| 11.260 | V | Open Access 2 | 27500 |
| 11.260 | V | Open Access 3 | 27500 |
| 11.260 | V | SmartLive | 27500 |
| 11.260 | V | Tease Me | 27500 |
| 11.261 | H | Africa Channel | 27500 |
| 11.261 | H | Channel 6 | 27500 |
| 11.261 | H | CNBC | 27500 |
| 11.261 | H | DMAX | 27500 |
| 11.261 | H | STAR Gold | 27500 |
| 11.261 | H | STAR One | 27500 |
| 11.261 | H | Business Chn'l | 27500 |
| 11.261 | H | DM Digital | 27500 |
| 11.261 | H | Gay Network | 27500 |
| 11.261 | H | Max TV | 27500 |
| 11.261 | H | SportxxxBabes | 27500 |
| 11.261 | H | Thane Direct | 27500 |
| 11.261 | H | Zone Horror | 27500 |
| 11.261 | H | Zone Reality +1 | 27500 |
| 11.261 | H | Newstalk | 27500 |
| 11.261 | H | Panjab Radio | 27500 |
| 11.307 | V | 53325 | 27500 |
| 11.307 | H | Bravo 2 | 27500 |
| 11.307 | H | Challenge+1 | 27500 |
| 11.307 | H | LIVING | 27500 |
| 11.307 | V | Motors TV | 27500 |
| 11.307 | V | The Style Ntwk | 27500 |
| 11.307 | H | Virgin 1 | 27500 |
| 11.307 | H | Virgin 1+1 | 27500 |
| 11.307 | V | 9X | 27500 |
| 11.307 | V | Aastha TV | 27500 |
| 11.307 | V | BET | 27500 |
| 11.307 | V | High Street TV | 27500 |
| 11.307 | V | Ideal World 3 | 27500 |
| 11.307 | V | Jewellery Ch. | 27500 |
| 11.307 | H | JML | 27500 |
| 11.307 | V | NigeriaMovies | 27500 |
| 11.307 | H | NTAI | 27500 |
| 11.307 | H | propeller | 27500 |
| 11.307 | H | Premier | 27500 |
| 11.343 | V | ParaComedy2+ | 27500 |
| 11.343 | V | Babestation | 27500 |
| 11.343 | V | Babeworld.tv | 27500 |
| 11.343 | V | Baby Channel | 27500 |
| 11.343 | V | Fizz | 27500 |
| 11.343 | V | Lucky Star | 27500 |
| 11.343 | V | Mainstreet | 27500 |
| 11.343 | V | My Channel | 27500 |
| 11.343 | V | NDTV Imagine | 27500 |
| 11.343 | V | Psychic TV | 27500 |
| 11.343 | V | Raj TV | 27500 |
| 11.343 | V | SA Direct | 27500 |
| 11.343 | V | Sumo TV | 27500 |
| 11.343 | V | ZoneRomantica | 27500 |
| 11.345 | H | Animal Plnt+1 | 27500 |
| 11.345 | H | Disc.RT Extra | 27500 |
| 11.345 | H | Disc.RT+1 | 27500 |
| 11.345 | H | Disc.Sci+1 | 27500 |
| 11.345 | H | Nick Jr. 2 | 27500 |
| ●11.345 | H | AAP TV | 27500 |
| 11.345 | H | Bangla TV | 27500 |
| 11.345 | H | Blue Kiss TV | 27500 |
| 11.345 | H | Essex Babes | 27500 |
| ●11.345 | H | KBC | 27500 |
| 11.345 | H | LivexxxBabes | 27500 |
| 11.345 | H | Real Estate TV | 27500 |
| 11.345 | H | Wedding TV | 27500 |
| ●11.389 | H | 52400 | 27500 |
| 11.390 | V | Adult Channel | 27500 |
| 11.390 | V | Climax3 - 1 | 27500 |
| 11.390 | V | Climax3 - 2 | 27500 |
| 11.390 | V | Climax3 - 3 | 27500 |
| 11.390 | V | movies24 | 27500 |
| 11.390 | V | movies24+ | 27500 |
| 11.390 | V | Playboy One | 27500 |
| 11.390 | V | Playboy TV | 27500 |
| 11.390 | V | psdtt | 27500 |
| 11.390 | V | Spice Extreme | 27500 |
| 11.390 | V | ARY Oneworld | 27500 |
| 11.390 | V | Dating Channel | 27500 |
| 11.390 | V | Amrit Bani | 27500 |
| 11.390 | V | big L 1395 | 27500 |
| 11.390 | V | Caroline | 27500 |
| 11.390 | V | CC Radio | 27500 |
| 11.390 | V | Colourful | 27500 |
| 11.390 | V | Desi Radio | 27500 |
| 11.390 | V | DutchIntSv | 27500 |
| 11.390 | V | Family Radio | 27500 |
| 11.390 | V | Gaydarradio | 27500 |
| 11.390 | V | Ignition | 27500 |
| 11.390 | V | InsightRadio | 27500 |
| 11.390 | V | MOS Radio | 27500 |
| 11.390 | V | NME | 27500 |
| 11.390 | V | Pulse Rated | 27500 |
| 11.390 | V | Raaj Radio | 27500 |
| 11.390 | V | Rainbow | 27500 |
| 11.390 | V | Recordbrazil | 27500 |
| 11.390 | V | RTE R1 Extra | 27500 |
| 11.390 | V | Spectrum 1 | 27500 |
| 11.390 | V | Starpoint Radio | 27500 |
| 11.390 | V | The Word | 27500 |
| 11.390 | V | TWR | 27500 |
| 11.390 | V | VIP Radio | 27500 |
| 11.390 | V | Virgin Radio | 27500 |
| 11.390 | V | Virgin105.8 | 27500 |
| 11.390 | V | VirginCRock | 27500 |
| 11.390 | V | VirginXtrme | 27500 |
| 11.390 | V | WRN Europe | 27500 |
| 11.390 | V | Yorkshire R | 27500 |
| 11.426 | V | AAG | 27500 |
| 11.426 | V | ARY QTV | 27500 |
| 11.426 | V | Diva TV | 27500 |
| 11.426 | V | GEO UK | 27500 |
| 11.426 | V | SouthForYou | 27500 |
| 11.426 | V | Bloomberg | 27500 |
| 11.426 | V | DD-India | 27500 |
| 11.426 | V | Glory TV | 27500 |
| 11.426 | V | i Play TV | 27500 |
| 11.426 | V | KICC TV | 27500 |
| 11.426 | V | OBE | 27500 |
| 11.426 | V | Screenshop2 | 27500 |
| 11.426 | V | Venus TV | 27500 |

**EUB001S1**

| Freq GHz | Pol | Channel Name | Symbol rate |
|---|---|---|---|
| 11.469 | H | MMS 1 | 27500 |
| 11.469 | H | MMS 2 | 27500 |
| 11.469 | H | MMS 5 | 27500 |
| 11.469 | H | MMS 6 | 27500 |
| 11.469 | H | MMS 8 | 27500 |
| 11.469 | H | TVEi | 27500 |
| 11.469 | H | {Empty} | 27500 |
| 11.469 | H | Vegas House of Horro | 27500 |
| 11.469 | H | Vegas Kung Fu Cash | 27500 |
| 11.488 | V | ATN | 27500 |
| 11.488 | V | Channel 'S' | 27500 |
| 11.488 | V | Channel S NTV | 27500 |
| 11.488 | V | France 24 | 27500 |
| 11.488 | V | Genesis | 27500 |
| 11.488 | V | HappyHourGirls | 27500 |
| 11.488 | V | Info TV2 | 27500 |
| 11.488 | V | Paranormal | 27500 |
| 11.488 | V | revelation | 27500 |
| 11.488 | V | sportsXchange | 27500 |
| 11.488 | V | Tease Me 2 | 27500 |
| 11.508 | H | 5ADT | 27500 |
| 11.508 | H | 8N2 | 27500 |
| 11.508 | H | 9328 | 27500 |
| 11.508 | H | EIA2 Test | 27500 |
| 11.508 | H | EIA2 Test 5 | 27500 |
| 11.508 | H | ISM Sky News v6 | 27500 |
| 11.508 | H | ISM Sky One v6 | 27500 |
| 11.508 | H | ISM Sports 1 v6 | 27500 |
| 11.508 | H | ISM Test1 v5 | 27500 |
| 11.508 | H | Pub Channel | 27500 |
| 11.508 | H | Vegas Elvis | 27500 |
| 11.527 | V | Extreme Sports | 27500 |
| 11.527 | V | ParaComedy 1 | 27500 |
| 11.527 | V | Bubble Hits | 27500 |
| 11.527 | V | Channel M | 27500 |
| 11.527 | V | GayDateTV | 27500 |
| ●11.527 | V | Life | 27500 |
| 11.527 | V | Thomas Cook | 27500 |
| 11.546 | H | ARY Digital | 27500 |
| 11.546 | H | GEO News | 27500 |
| 11.546 | H | ParaComedy+1 | 27500 |
| 11.546 | H | AVAGO (Cable) | 27500 |
| 11.546 | H | AvaTest | 27500 |
| 11.546 | H | cso | 27500 |
| 11.546 | H | Faith | 27500 |
| 11.546 | H | Gala TV | 27500 |
| 11.546 | H | Monte Carlo TV | 27500 |
| 11.546 | H | Shop on TV | 27500 |
| 11.546 | H | Wine TV | 27500 |
| 11.565 | V | Ford Fiesta Dal | 27500 |
| 11.565 | V | IA Homes Dal | 27500 |
| 11.565 | V | Portal Video 6 | 27500 |
| 11.565 | V | Sky Games | 27500 |
| 11.565 | V | Remote Control Look | 27500 |
| 11.565 | V | Sky Anytime Dal | 27500 |
| 11.585 | H | Arsenal TV | 27500 |
| 11.585 | H | LiverpoolFCTV | 27500 |
| 11.585 | H | NASN | 27500 |
| 11.585 | H | Racing UK | 27500 |
| 11.585 | H | Setanta Ireland | 27500 |
| 11.585 | H | Setanta Sports | 27500 |
| ●11.604 | V | 4659 | 27500 |
| 11.604 | V | Biography | 27500 |
| 11.604 | V | History | 27500 |
| 11.604 | V | Sky Mdn Greats | 27500 |
| 11.604 | V | Sky Prem+1 | 27500 |
| 11.604 | V | Games Slot 22 | 27500 |
| 11.623 | H | 54009 | 27500 |
| 11.623 | H | 54011 | 27500 |
| 11.623 | H | BabyTV | 27500 |
| 11.623 | H | Abu Dhabi TV | 27500 |
| 11.623 | H | Bedroom TV | 27500 |
| 11.623 | H | Horse & Country | 27500 |
| 11.623 | H | PCNE Chinese | 27500 |
| 11.623 | H | PTV Prime | 27500 |
| 11.623 | H | Russia Today | 27500 |
| 11.623 | H | Heat | 27500 |
| 11.623 | H | InTune | 27500 |
| 11.623 | H | Kerrang | 27500 |
| 11.623 | H | Kiss | 27500 |
| 11.623 | H | Magic | 27500 |
| 11.623 | H | MOJO | 27500 |
| 11.623 | H | Q | 27500 |
| 11.623 | H | Smash Hits! | 27500 |
| 11.623 | H | The Hits | 27500 |
| 11.642 | V | Bliss | 27500 |
| 11.642 | V | Chart Show TV | 27500 |
| 11.642 | V | Flaunt | 27500 |
| 11.642 | V | Flava | 27500 |
| 11.642 | V | Kix! | 27500 |
| 11.642 | V | NME TV | 27500 |
| 11.642 | V | POP | 27500 |
| 11.642 | V | PopGirl | 27500 |
| 11.642 | V | PopGirl +1 | 27500 |
| 11.642 | V | Scuzz | 27500 |
| ●11.642 | V | Showcase TV | 27500 |
| 11.642 | V | The Vault | 27500 |
| 11.642 | V | Tiny Pop | 27500 |
| 11.642 | V | Tiny Pop +1 | 27500 |
| 11.642 | V | True Movies | 27500 |
| 11.642 | V | True Movies 2 | 27500 |
| 11.662 | H | ESPN Classic | 27500 |
| 11.662 | H | CCTV-9 | 27500 |
| 11.662 | H | Inspiration | 27500 |
| 11.662 | H | LOVEWORLD TV | 27500 |
| 11.662 | H | mta-muslim tv | 27500 |
| 11.662 | H | PlayJam Games | 27500 |
| ●11.662 | H | SuperCasino | 27500 |
| 11.662 | H | Word Network | 27500 |
| 11.662 | H | Ladbrokes Roulette | 27500 |
| 11.681 | V | Hallmark +1 | 27500 |
| 11.681 | V | SCI FI | 27500 |
| ●11.681 | V | 51108 | 27500 |
| 11.681 | V | Al Jazeera Eng | 27500 |
| 11.681 | V | GOD Channel | 27500 |
| 11.681 | V | GOD Europe | 27500 |
| 11.681 | V | Islam Channel | 27500 |
| 11.681 | V | Peace TV | 27500 |
| 11.681 | V | TBN Europe | 27500 |

**EUB001S2**

| Freq GHz | Pol | Channel Name | Symbol rate |
|---|---|---|---|
| 12.523 | H | AIT Int'l | 27500 |
| ●12.523 | H | AIT Movistar | 27500 |
| 12.523 | H | BEN | 27500 |
| 12.523 | H | Chat Back | 27500 |
| 12.523 | H | DAYSTAR | 27500 |
| 12.523 | H | EWTN | 27500 |
| 12.523 | H | Information TV | 27500 |
| 12.523 | V | JML BeautyShop | 27500 |
| 12.523 | V | JML Choice | 27500 |
| 12.523 | V | JML CookShop | 27500 |
| 12.523 | V | KBC2 | 27500 |
| 12.523 | H | movies4men+1 | 27500 |
| 12.523 | H | OHTV | 27500 |
| 12.523 | V | Record TV | 27500 |
| 12.523 | V | Stop + Shop | 27500 |
| ●12.523 | H | Tease Me 3 | 27500 |
| 12.523 | V | TV SHOP | 27500 |
| 12.523 | V | TV Warehouse | 27500 |
| 12.523 | V | TV Warehouse2 | 27500 |
| 12.523 | V | Zone Reality | 27500 |
| 12.523 | V | Akash Radio | 27500 |
| 12.523 | V | Asian Gold | 27500 |
| 12.523 | V | Capital | 27500 |
| 12.523 | V | Choice FM | 27500 |
| 12.523 | V | Classic FM | 27500 |
| 12.523 | H | EWTN | 27500 |
| 12.523 | V | FUN Radio | 27500 |
| 12.523 | V | Gold | 27500 |
| 12.523 | V | Hot Digital | 27500 |
| 12.523 | V | Kismat | 27500 |
| 12.523 | V | Liberty | 27500 |
| 12.523 | V | Planet Rock | 27500 |
| 12.523 | H | RTI Radio | 27500 |
| 12.523 | V | Solar Radio | 27500 |
| 12.523 | V | Sukh Sagar | 27500 |
| 12.523 | V | theJazz | 27500 |
| 12.523 | V | UCB Bible | 27500 |
| 12.523 | V | UCB Gospel | 27500 |
| 12.523 | V | UCB Insp | 27500 |
| 12.523 | V | UCB UK | 27500 |
| 12.523 | V | XFM | 27500 |
| 12.560 | V | BabyFirst | 27500 |
| 12.560 | H | Celtic TV | 27500 |
| 12.560 | H | Rangers TV | 27500 |
| 12.560 | H | Setanta Golf | 27500 |
| 12.560 | H | Setanta News | 27500 |
| 12.560 | H | Setanta Sports1 | 27500 |
| 12.560 | H | Setanta Sports2 | 27500 |
| 12.560 | V | Best Direct | 27500 |
| 12.560 | V | BestDirect+ | 27500 |
| 12.560 | V | Bubble Hits | 27500 |
| 12.560 | V | EuroNews | 27500 |
| 12.560 | V | O'seasproperty | 27500 |
| 12.560 | V | Real Estate +1 | 27500 |
| ●12.560 | V | Rocks & Co. | 27500 |
| 12.560 | V | Thomson TV | 27500 |
| 12.560 | V | Travel Channel | 27500 |
| 12.560 | V | TravelChannel2 | 27500 |
| 12.560 | V | Wedding TV+1 | 27500 |
| 12.560 | V | Zone Thriller | 27500 |
| 11.053 | H | G63 | 22000 |
| 11.053 | H | ITVi Stream 3/41 | 22000 |
| 11.053 | H | TTG63 | 22000 |
| ●11.390 | H | 52400 | 27500 |
| 11.428 | H | Brit Shorts | 27500 |
| 11.428 | H | - | 27500 |
| 11.428 | H | GROOVE | 27500 |
| 11.428 | H | HINRG LOWNRG | 27500 |
| 11.428 | H | RADIO SHEPHERD | 27500 |
| 11.428 | H | WELL CLASS | 27500 |
| ●12.168 | V | Sky Comedy HD | 29500 |
| ●12.168 | V | Sky Drama HD | 29500 |
| ●12.168 | V | Sky MdnGrtsHD | 29500 |
| ●12.168 | V | Sky ScFi/HorHD | 29500 |
| ●12.246 | V | Bio. HD | 29500 |
| ●12.246 | V | Crime HD | 29500 |
| ●12.246 | V | Sky Action HD | 29500 |
| 12.421 | H | B4U Music | 27500 |
| 12.421 | H | bid tv | 27500 |
| 12.421 | H | price-drop tv | 27500 |
| 12.421 | H | QVC | 27500 |
| 12.421 | H | S4C | 27500 |
| 12.421 | H | S4C2 | 27500 |
| 12.421 | H | Teachers Tv | 27500 |
| 12.607 | V | Rush HD | 27500 |
| 12.607 | V | AlphaEtcPun | 27500 |
| 12.607 | V | Gay TV | 27500 |
| 12.607 | H | redhot 40+ | 27500 |
| 12.607 | H | redhot amateur | 27500 |
| 12.607 | H | redhot dd | 27500 |
| 12.607 | H | redhot fetish | 27500 |
| 12.607 | H | redhot girl girl | 27500 |
| 12.607 | H | redhot just 18 | 27500 |
| 12.607 | H | Television X | 27500 |
| 12.607 | H | Television X 2 | 27500 |
| 12.607 | H | Television X 3 | 27500 |
| 12.607 | H | Television X 4 | 27500 |
| 12.607 | V | Zee Cinema | 27500 |
| 12.607 | V | Zee Gujarati | 27500 |
| 12.607 | V | Zee TV | 27500 |
| 12.607 | H | Awareness | 27500 |
| 12.607 | V | Live XXX | 27500 |
| ●12.607 | H | Pulse | 27500 |
| 12.607 | H | Pulse +1 | 27500 |
| ●12.607 | H | Pulse +1.5 | 27500 |
| ●12.607 | H | Pulse +2 | 27500 |
| 12.607 | V | Zee Music | 27500 |
| 12.643 | H | Luxe TV HD | 27500 |
| 12.643 | V | DMAX+1.5 | 27500 |
| 12.643 | V | DMAX+2 | 27500 |
| 12.643 | V | Military | 27500 |
| ●12.643 | V | Nick Jr | 27500 |
| 12.643 | V | Nickelodeon | 27500 |
| ●12.643 | V | ParaComedy+1 | 27500 |
| ●12.643 | V | 1896 | 27500 |
| ●12.643 | V | 54350 | 27500 |

**TV** Digital
**Radio** Digital
**TV** Digital Crypt
**Radio** Digital Crypt
**TV** High Definition
**TV** High Definition Crypt

| Freq GHz | Pol | Channel Name | Symbol rate |
|---|---|---|---|
| 12.643 | H | Body In Balance | 27500 |
| ● 12.643 | H | Live Bingo | 27500 |
| 12.643 | H | Luxe TV | 27500 |
| 12.643 | H | Music India | 27500 |
| 12.643 | H | Noor TV | 27500 |
| ● 12.643 | V | OceanFinance | 27500 |
| ● 12.643 | V | Teachers TV | 27500 |
| 12.643 | V | World Movies | 27500 |

**ARABSAT 2B**
**30.5 East**
**ARA02BKU**

| Freq GHz | Pol | Channel Name | Symbol rate |
|---|---|---|---|
| 12.582 | V | ART-SNG 2 | 4220 |
| 12.589 | V | BN SPACE CHANNEL | 4220 |
| 12.661 | V | Almajd 05 | 27500 |
| 12.661 | V | Almajd 06 | 27500 |
| 12.661 | V | Almajd 07 | 27500 |
| 12.661 | V | Almajd 08 | 27500 |
| 12.661 | V | Almajd 09 | 27500 |
| 12.661 | V | Almajd 10 | 27500 |
| 12.661 | V | Almajd 11 | 27500 |
| 12.661 | V | Almajd 12 | 27500 |
| 12.661 | V | Almajd 13 | 27500 |
| 12.661 | V | Almajd 14 | 27500 |
| 12.661 | V | Almajd 01 | 27500 |
| 12.661 | V | Almajd 02 | 27500 |
| 12.661 | V | Almajd 03 | 27500 |
| 12.661 | V | Almajd 04 | 27500 |
| 12.740 | V | OMAN TV SPECIAL | 5084 |
| 12.740 | V | OMAN TV CH1 | 5084 |
| 12.740 | V | OMAN RADIO FEEDS | 5084 |

**C-Band: ARABSAT 2B**
**30.6 East**

| Freq GHz | Pol | Channel Name | Symbol rate |
|---|---|---|---|
| 3.823 | L | AD Sport | 27500 |
| 3.823 | L | Al Ekhbaria | 27500 |
| 3.823 | L | Dubai TV | 27500 |
| 3.823 | L | Ethiopia | 27500 |
| 3.823 | L | IQRAA | 27500 |
| 3.823 | L | OTV | 27500 |
| 3.823 | L | Press TV | 27500 |
| 3.823 | L | Riyadiyadh | 27500 |
| 3.823 | L | Saudi 1 | 27500 |
| 3.823 | L | Saudi 2 | 27500 |
| 3.913 | R | TVZ-01MR, TVM Plus | 8150 |
| 3.913 | R | TVZ-01MR, TVM 1 | 8150 |
| 4.091 | R | RTM_Laayoune | 6111 |
| 4.097 | R | RTM RABAT PN | 6111 |

**Europe**
**ASTRA 5A/1D**
**31.5 East**

| Freq GHz | Pol | Channel Name | Symbol rate |
|---|---|---|---|
| ● 10.995 | V | TEMPO -TURK | 2222 |
| ● 11.008 | V | Service 1 | 2170 |

**INTELSAT 802/EUROBIRD 3**
**33.0 East**
**EUB003KA**

| Freq GHz | Pol | Channel Name | Symbol rate |
|---|---|---|---|
| 11.175 | H | Animal Planet | 23600 |
| 11.175 | H | GTV | 23600 |
| 11.175 | H | Jetix | 23600 |
| 11.175 | H | Planeta | 23600 |
| 11.175 | H | Premium Digital | 23600 |
| 11.175 | H | ART Channel | 23600 |
| 11.175 | H | Estate | 23600 |
| 11.175 | H | FolklorTV | 23600 |
| 11.175 | H | Kanal 3 | 23600 |
| 11.175 | H | RE:TV | 23600 |
| 11.175 | H | SC Folk | 23600 |
| 11.175 | H | Zdrave | 23600 |
| 11.650 | V | Turf TV | 10098 |
| 11.685 | H | AKILLI TV | 17360 |
| 11.685 | H | DIGITURK INFO | 17360 |
| 11.685 | H | KANAL A | 17360 |
| 11.685 | H | SAUDI 1 TV | 17360 |
| 11.685 | H | ZDF | 17360 |

**EUB003KB**

| Freq GHz | Pol | Channel Name | Symbol rate |
|---|---|---|---|
| 10.978 | V | Test | 5787 |
| 11.098 | H | TV8 Mont Blanc | 2441 |
| 11.110 | H | FOX TURK | 3124 |
| 11.140 | V | MTV/MICK WALLONNE | 4881 |
| 11.165 | V | RETE ORO | 1666 |
| ● 11.596 | V | BTV | 27500 |
| 11.596 | V | MAP TV | 27500 |
| 11.596 | V | Radio BNL | 27500 |
| 11.596 | V | Radio Carrefour | 27500 |
| 11.596 | V | Radio GS | 27500 |
| ● 11.596 | V | Radio IperStanda | 27500 |
| ● 11.555 | H | SATNEWSTV 02 | 6400 |

**East Europe**
**EUTELSAT SESAT, W4**
**36.0 East**

| Freq GHz | Pol | Channel Name | Symbol rate |
|---|---|---|---|
| ● 12.226 | L | Вести | 27500 |
| ● 12.226 | L | ДТВ | 27500 |
| ● 12.226 | L | Звезда | 27500 |
| ● 12.226 | L | Культура | 27500 |
| ● 12.226 | L | МузТВ | 27500 |
| ● 12.226 | L | НТВ | 27500 |
| ● 12.226 | L | Первый | 27500 |
| ● 12.226 | L | Петербург 5 канал | 27500 |
| ● 12.226 | L | Рен ТВ | 27500 |
| ● 12.226 | L | Россия | 27500 |
| ● 12.226 | L | Спорт | 27500 |
| ● 12.226 | L | ТВЦ | 27500 |
| ● 12.226 | L | ТНТ | 27500 |
| ● 12.226 | L | ТриколорТВ | 27500 |
| 12.245 | R | BBC World News | 27500 |
| 12.245 | R | Bloomberg | 27500 |
| 12.245 | R | Eurosport 2 | 27500 |
| 12.245 | R | Nickelodeon | 27500 |
| 12.245 | R | Russia Today | 27500 |
| 12.245 | R | TV5 | 27500 |
| 12.245 | R | World Fashion | 27500 |
| 12.245 | R | Детский мир/Телеклуб | 27500 |
| 12.245 | R | Кинохит | 27500 |
| 12.245 | R | НТВ Мир | 27500 |
| 12.245 | R | Наше новое кино | 27500 |
| 12.303 | L | Боец ТВ | 27500 |
| 12.303 | L | Домашний | 27500 |
| 12.303 | L | Зоо ТВ | 27500 |
| 12.303 | L | Индия ТВ | 27500 |
| 12.303 | L | Кинопоказ | 27500 |
| 12.303 | L | СТС | 27500 |
| ● 12.303 | L | Тонус ТВ | 27500 |
| 12.303 | L | 7TV | 27500 |
| 12.303 | L | A-ONE | 27500 |
| ● 12.303 | L | BRIDGE TV | 27500 |
| ● 12.303 | L | Союз | 27500 |
| ● 12.303 | L | AvtoRadio | 27500 |
| ● 12.303 | L | Energia | 27500 |
| ● 12.303 | L | Humor-FM | 27500 |
| ● 12.303 | L | Radio Alla | 27500 |
| ● 12.303 | L | Воскресение | 27500 |
| 12.303 | L | Новый день | 27500 |
| 12.322 | R | Blue Hustler | 27500 |
| 12.322 | R | REN-TV | 27500 |
| 12.322 | R | Киноклуб | 27500 |
| 12.322 | R | Кто есть кто | 27500 |
| 12.322 | R | Наше кино | 27500 |
| 12.322 | R | Первый | 27500 |
| 12.322 | R | Премьера | 27500 |
| 12.322 | R | Спорт | 27500 |
| 12.322 | R | Футбол | 27500 |
| 12.322 | R | Инфоканал | 27500 |
| 12.399 | R | 24ДОК | 27500 |
| 12.399 | R | Fashion TV Network | 27500 |
| 12.399 | R | MTV Russia | 27500 |
| 12.399 | R | Вести | 27500 |
| 12.399 | R | Звезда | 27500 |
| 12.399 | R | Киносоюз | 27500 |
| 12.399 | R | Культура | 27500 |
| 12.399 | R | НТВ | 27500 |
| 12.399 | R | Россия | 27500 |
| 12.399 | R | СТС-Москва | 27500 |
| 12.399 | R | Спас | 27500 |
| 12.399 | R | Спорт on-line | 27500 |
| 12.399 | R | ТНТ | 27500 |
| 12.399 | R | Relax FM | 27500 |
| 12.399 | R | Эхо Москвы | 27500 |
| 12.418 | L | 3 канал | 27500 |
| 12.418 | L | Rusiya Al-Yaum | 27500 |
| 12.418 | L | TV SALE | 27500 |
| 12.418 | L | VH-1 Russia | 27500 |
| 12.418 | L | Бибигон | 27500 |
| 12.418 | L | Дом Кино | 27500 |
| 12.418 | L | МИР | 27500 |
| 12.418 | L | Музыка Первого | 27500 |
| 12.418 | L | Первый МЕТЕО | 27500 |
| 12.418 | L | Петербург - 5 канал | 27500 |
| 12.418 | L | РБК-ТВ | 27500 |
| 12.418 | L | ТВЦ | 27500 |
| 12.418 | L | Теленяня | 27500 |
| 12.418 | L | Радио Дети FM ТЕСТ | 27500 |
| 12.456 | L | Animal Planet | 27500 |
| 12.456 | L | Discovery | 27500 |
| 12.456 | L | Discovery Travel&Liv | 27500 |
| 12.456 | L | Eurosport | 27500 |
| 12.456 | L | Hallmark | 27500 |
| 12.456 | L | Jetix | 27500 |
| 12.456 | L | Jetix Play | 27500 |
| 12.456 | L | Mezzo (Muzzik) | 27500 |
| 12.456 | L | Music Box | 27500 |
| 12.456 | L | National Geographic | 27500 |
| 12.456 | L | Zone Romantica | 27500 |
| 12.456 | L | ТДК | 27500 |
| 12.476 | R | Cartoon Network/TCM | 27500 |
| 12.476 | R | CNN International | 27500 |
| 12.476 | R | Discovery Science | 27500 |
| 12.476 | R | Discovery World | 27500 |
| 12.476 | R | Euronews | 27500 |
| 12.476 | R | Extreme Sports | 27500 |
| ● 12.476 | R | Jim Jam | 27500 |
| 12.476 | R | MCM | 27500 |
| 12.476 | R | MGM int. | 27500 |
| 12.476 | R | MTV Dance | 27500 |
| 12.476 | R | Nat Geo Wild | 27500 |
| 12.476 | R | VH1 Classic | 27500 |
| 12.476 | R | Zone Reality | 27500 |
| 11.142 | H | Ang 1 | 30000 |
| 11.142 | H | Ang 2 | 30000 |
| 11.142 | H | CCE&F | 30000 |
| 11.142 | H | Insp | 30000 |
| 11.142 | H | KBCTV | 30000 |
| 11.142 | H | KTN | 30000 |
| 11.142 | H | NGwld | 30000 |
| 11.142 | H | NTA_B | 30000 |
| 11.142 | H | NTV | 30000 |
| 11.142 | H | SMax | 30000 |
| 11.142 | H | ZDF | 30000 |
| 11.142 | H | CORO | 30000 |
| 11.142 | H | IDHAA | 30000 |
| 11.142 | H | KBCes | 30000 |
| 11.142 | H | METRO | 30000 |
| 11.476 | H | 13RUE | 29000 |
| 11.476 | H | Can+C | 29000 |
| 11.476 | H | CineC | 29000 |
| 11.476 | H | FR2 | 29000 |
| 11.476 | H | FR5 | 29000 |
| 11.476 | H | Fut (was Arte) | 29000 |
| 11.476 | H | Plan | 29000 |
| 11.476 | H | RTBF | 29000 |
| 11.476 | H | RTL9 | 29000 |
| 11.476 | H | Sprt+ | 29000 |
| 11.476 | H | Tiji | 29000 |
| 11.476 | H | TRACE | 29000 |
| 11.559 | H | AXN | 29000 |
| 11.559 | H | DsnyP | 29000 |
| 11.559 | H | Globo | 29000 |
| 11.559 | H | MTV P | 29000 |
| 11.559 | H | NGeoP | 29000 |
| 11.559 | H | RTNC | 29000 |
| 11.559 | H | RTPa | 29000 |
| 11.559 | H | SIC I | 29000 |
| 11.559 | H | SIC N | 29000 |
| 11.559 | H | TVC1 | 29000 |
| 11.559 | H | TVC2 | 29000 |
| 11.559 | H | TVMoz | 29000 |
| 11.559 | H | TVRec | 29000 |
| 11.559 | H | TVUga | 29000 |
| 11.559 | H | Ant 1 | 29000 |
| ● 11.727 | L | {Empty Name} | 27500 |
| ● 12.072 | L | Discovery HD | 27500 |
| ● 12.072 | L | Eurosport HD | 27500 |
| ● 12.072 | L | HD-Кино | 27500 |
| ● 12.072 | L | HD-Life | 27500 |
| ● 12.072 | L | HD-Спорт | 27500 |
| 12.190 | L | 365 дней | 20000 |
| ● 12.190 | L | Teen TV | 20000 |
| 12.190 | L | Автоплюс | 20000 |
| 12.190 | L | Веселое ТВ | 20000 |
| 12.190 | L | Дом Кино | 20000 |
| 12.190 | L | Комедия ТВ | 20000 |
| 12.190 | L | Мать и дитя | 20000 |
| 12.190 | L | Много ТВ | 20000 |
| 12.190 | L | Ночной Клуб | 20000 |
| 12.190 | L | Русская Ночь | 20000 |
| 12.190 | L | Теленяня | 20000 |
| 12.190 | L | Телепутешествия | 20000 |
| 12.283 | R | РТР-Планета | 27500 |
| 12.283 | R | 5 канал (Украина) | 27500 |
| 12.283 | R | CCTV4 | 27500 |
| 12.283 | R | CCTV9 | 27500 |
| 12.283 | R | ICTV | 27500 |
| 12.283 | R | Время: далекое и бли | 27500 |
| 12.283 | R | Мегаспорт | 27500 |
| 12.283 | R | НТН | 27500 |
| 12.283 | R | Парк развлечений | 27500 |
| 12.283 | R | Первый канал. Всемир | 27500 |
| 12.283 | R | Совершенно секретно | 27500 |
| 12.284 | H | go | 26480 |
| 12.284 | H | KAIDy | 26480 |
| 12.284 | H | Mwld | 26480 |
| 12.284 | H | NaGeo | 26480 |
| 12.284 | H | SkyN | 26480 |
| 12.284 | H | SS5 | 26480 |
| 12.284 | H | SS7 | 26480 |
| 12.284 | H | SSupd | 26480 |
| 12.284 | H | Z D F | 26480 |
| 12.284 | H | ZnRea | 26480 |
| 12.322 | H | AJE | 26480 |
| 12.322 | H | AnimP | 26480 |
| 12.322 | H | Boom | 26480 |
| 12.322 | H | FTV | 26480 |
| 12.322 | H | HIST | 26480 |
| 12.322 | H | Learn | 26480 |
| 12.322 | H | Rhema | 26480 |
| 12.322 | H | SS6 | 26480 |
| 12.322 | H | TCM | 26480 |
| 12.322 | H | 70s | 26480 |
| 12.322 | H | AdulC | 26480 |
| 12.322 | H | Afric | 26480 |
| 12.322 | H | Beaut | 26480 |
| 12.322 | H | CampR | 26480 |
| 12.322 | H | ClasJ | 26480 |
| 12.322 | H | ClasR | 26480 |
| 12.322 | H | Contl | 26480 |
| 12.322 | H | Dance | 26480 |
| 12.322 | H | FrenC | 26480 |
| 12.322 | H | Gospl | 26480 |
| 12.322 | H | Htrax | 26480 |
| 12.322 | H | LiteC | 26480 |
| 12.322 | H | R'nR | 26480 |
| 12.322 | H | Regga | 26480 |
| 12.322 | H | SmthJ | 26480 |
| 12.322 | H | SoftH | 26480 |
| 12.322 | H | Symph | 26480 |
| 12.322 | H | UBeat | 26480 |
| 12.322 | H | Urban | 26480 |
| ● 12.341 | L | Кинорейс 2 | 27500 |
| ● 12.341 | L | AXN Sci Fi | 27500 |
| ● 12.341 | L | Gameland.TV | 27500 |
| ● 12.341 | L | Sci Fi | 27500 |
| ● 12.341 | L | Universal | 27500 |
| ● 12.341 | L | Домашний | 27500 |
| ● 12.341 | L | Кинорейс 1 | 27500 |
| ● 12.341 | L | Комеди ТВ | 27500 |
| 12.360 | H | B4U | 26480 |
| 12.360 | H | C+H | 26480 |
| 12.360 | H | CN | 26480 |
| 12.360 | H | CNN | 26480 |
| 12.360 | H | E ! | 26480 |
| 12.360 | H | FR24 | 26480 |
| 12.360 | H | LCI | 26480 |
| 12.360 | H | MTV | 26480 |
| 12.360 | H | RTPi | 26480 |
| 12.360 | H | TV5 | 26480 |
| ● 12.360 | R | {Empty Name} | 27500 |
| 12.360 | H | CII | 26480 |
| 12.360 | H | RFI | 26480 |
| 12.360 | H | TAR | 26480 |
| 12.360 | H | VOA | 26480 |
| 12.360 | H | WRN | 26480 |
| ● 12.380 | L | 365 дней ТВ | 27500 |
| ● 12.380 | L | Авто Плюс | 27500 |
| ● 12.380 | L | Боец ТВ | 27500 |
| ● 12.380 | L | Закон-ТВ | 27500 |
| ● 12.380 | L | Индия ТВ | 27500 |
| ● 12.380 | L | Интересное ТВ | 27500 |
| ● 12.380 | L | Комедия ТВ | 27500 |
| ● 12.380 | L | Кухня ТВ | 27500 |
| ● 12.380 | L | Ля-минор ТВ | 27500 |
| ● 12.380 | L | МНОГОсерийное ТВ | 27500 |
| ● 12.380 | L | Русская ночь | 27500 |
| ● 12.380 | L | ТВ Бульвар | 27500 |
| 12.399 | H | ESPN | 26480 |
| 12.399 | H | EuroN | 26480 |
| 12.399 | H | HallM | 26480 |
| 12.399 | H | RAI | 26480 |
| 12.399 | H | SET A | 26480 |
| 12.399 | H | TF6 | 26480 |
| 12.399 | H | TSN | 26480 |
| 12.399 | H | ZeeTV | 26480 |
| 12.399 | H | BBC1 | 26480 |
| 12.399 | H | BBC2 | 26480 |
| 12.399 | H | BBC3 | 26480 |
| 12.399 | H | RAI R | 26480 |
| 12.399 | H | Okapi | 26480 |
| ● 12.437 | R | NBA TV | 27500 |
| ● 12.437 | R | Муз ТВ | 27500 |
| ● 12.437 | R | НСТ | 27500 |
| ● 12.437 | R | Наш футбол | 27500 |
| ● 12.437 | R | Ностальгия | 27500 |
| ● 12.437 | R | РТР-Спорт | 27500 |
| ● 12.437 | R | Русское Экстремально | 27500 |
| ● 12.437 | R | Спорт Классика | 27500 |
| ● 12.437 | R | Спорт Союз | 27500 |
| ● 12.437 | R | Теннис | 27500 |
| 12.440 | H | Actio | 23437 |
| 12.440 | H | BBC P | 23437 |
| 12.440 | H | BBC W | 23437 |
| 12.440 | H | CRIME | 23437 |
| 12.440 | H | Dsny | 23437 |
| 12.440 | H | MNetE | 23437 |
| 12.440 | H | Mstar | 23437 |
| 12.440 | H | MTV B | 23437 |
| 12.440 | H | OneG | 23437 |
| 12.440 | H | SABCA | 23437 |
| 12.440 | H | SS10 | 23437 |
| 12.440 | H | SS2 | 23437 |
| 12.440 | H | SSsel | 23437 |
| 12.440 | H | ITest | 23437 |
| 12.476 | H | AfMag | 26040 |
| 12.476 | H | BBC F | 26040 |
| 12.476 | H | ChO | 26040 |
| 12.476 | H | Disc | 26040 |
| 12.476 | H | MM1 | 26040 |
| 12.476 | H | MM2 | 26040 |
| 12.476 | H | MNetW | 26040 |
| 12.476 | H | Serie | 26040 |
| 12.476 | H | SS1 | 26040 |
| 12.476 | H | SS3 | 26040 |
| 12.476 | H | SSmax | 26040 |
| 12.476 | H | TBN | 26040 |

**Africa**
**EUTELSAT SESAT, W4**
**36.1 East**
**EUT0W4AF**

| Freq GHz | Pol | Channel Name | Symbol rate |
|---|---|---|---|
| 12.284 | H | AMag+ | 26480 |
| 12.284 | H | go | 26480 |
| 12.284 | H | KAIDy | 26480 |
| 12.284 | H | Mwld | 26480 |
| 12.284 | H | NaGeo | 26480 |
| 12.284 | H | SkyN | 26480 |
| 12.284 | H | SS5 | 26480 |
| 12.284 | H | SS7 | 26480 |
| 12.284 | H | SSupd | 26480 |
| 12.284 | H | ZnRea | 26480 |
| ● 12.284 | H | Fut_R | 26480 |
| 12.360 | H | B4U | 26480 |
| 12.360 | H | C+H | 26480 |
| 12.360 | H | CN | 26480 |
| 12.360 | H | CNN | 26480 |
| 12.360 | H | E ! | 26480 |
| 12.360 | H | FR24 | 26480 |
| 12.360 | H | MTV | 26480 |
| 12.360 | H | RTPi | 26480 |
| 12.360 | H | TV5 | 26480 |
| 12.360 | H | CII | 26480 |
| 12.360 | H | RFI | 26480 |
| 12.360 | H | TAR | 26480 |
| 12.360 | H | VOA | 26480 |
| 12.360 | H | WRN | 26480 |
| 12.399 | H | ESPN | 26480 |
| 12.399 | H | EuroN | 26480 |
| 12.399 | H | HallM | 26480 |
| 12.399 | H | RAI | 26480 |
| 12.399 | H | SET A | 26480 |
| 12.399 | H | TF6 | 26480 |
| 12.399 | H | TSN | 26480 |
| 12.399 | H | ZeeTV | 26480 |
| 12.399 | H | BBC1 | 26480 |
| 12.399 | H | BBC2 | 26480 |
| 12.399 | H | BBC3 | 26480 |
| 12.399 | H | RAI R | 26480 |
| 12.399 | H | Okapi | 26480 |
| 12.440 | H | Actio | 23437 |
| 12.440 | H | BBC E | 23437 |
| 12.440 | H | BBC W | 23437 |
| 12.440 | H | CRIME | 23437 |
| 12.440 | H | Dsny | 23437 |
| 12.440 | H | Learn | 23437 |
| 12.440 | H | MNetE | 23437 |
| 12.440 | H | Mstar | 23437 |
| 12.440 | H | MTV B | 23437 |
| 12.440 | H | OneG | 23437 |
| 12.440 | H | SS2 | 23437 |
| 12.440 | H | SSsel | 23437 |
| 12.440 | H | TCM | 23437 |
| 12.440 | H | ITest | 23437 |
| ● 12.476 | H | AMag | 26040 |
| ● 12.476 | H | BBC L | 26040 |
| ● 12.476 | H | ChO | 26040 |
| ● 12.476 | H | Disc | 26040 |
| ● 12.476 | H | MM1 | 26040 |
| ● 12.476 | H | MM2 | 26040 |
| ● 12.476 | H | MNetW | 26040 |
| ● 12.476 | H | Serie | 26040 |
| ● 12.476 | H | SS1 | 26040 |
| ● 12.476 | H | SS3 | 26040 |
| ● 12.476 | H | SSmax | 26040 |
| ● 12.476 | H | TBN | 26040 |
| ● 11.142 | H | Ang 1 | 30000 |
| ● 11.142 | H | Ang 2 | 30000 |
| ● 11.142 | H | CCE&F | 30000 |
| ● 11.142 | H | FUT | 30000 |
| ● 11.142 | H | Insp | 30000 |
| ● 11.142 | H | KBCTV | 30000 |
| ● 11.142 | H | KTN | 30000 |
| ● 11.142 | H | NGwld | 30000 |
| ● 11.142 | H | NTA_B | 30000 |
| ● 11.142 | H | NTV | 30000 |
| ● 11.142 | H | SSTv | 30000 |
| ● 11.142 | H | TBC1 | 30000 |
| ● 11.142 | H | ZDF | 30000 |
| ● 11.142 | H | CORO | 30000 |
| ● 11.142 | H | Easy | 30000 |
| ● 11.142 | H | IDHAA | 30000 |
| ● 11.142 | H | KBCes | 30000 |
| ● 11.142 | H | METRO | 30000 |
| ● 11.476 | H | 13RUE | 29000 |
| ● 11.476 | H | Can+C | 29000 |
| ● 11.476 | H | CineC | 29000 |
| ● 11.476 | H | FR2 | 29000 |
| ● 11.476 | H | FR5 | 29000 |
| ● 11.476 | H | Fut8 | 29000 |
| ● 11.476 | H | LCI | 29000 |
| ● 11.476 | H | Plan | 29000 |
| ● 11.476 | H | RTBF | 29000 |
| ● 11.476 | H | RTL9 | 29000 |
| ● 11.476 | H | Sprt+ | 29000 |
| ● 11.476 | H | Tiji | 29000 |
| ● 11.476 | H | TRACE | 29000 |
| 11.507 | V | BBC C | 30000 |
| 11.507 | V | BBC K | 30000 |
| 11.507 | V | ESPNC | 30000 |
| ● 11.507 | V | GTV_B | 30000 |
| ● 11.507 | V | NTVU | 30000 |
| 11.507 | V | PANDA | 30000 |
| 11.507 | V | S MAX | 30000 |
| 11.507 | V | SMAX2 | 30000 |

**Europe**
**EUTELSAT SESAT, W4**
**36.2 East**
**EUTSE1EU**

| Freq GHz | Pol | Channel Name | Symbol rate |
|---|---|---|---|
| 11.109 | V | ARM 1 | 3418 |
| 11.109 | V | RD1 Radio ARMENIA | 3418 |
| 11.639 | V | IMN 3 | 2170 |
| 11.639 | V | IMN 3 FM | 2170 |
| 11.645 | V | AL-IRAQIA ATYAF | 2180 |
| 11.645 | V | ALFORqan | 2180 |
| 11.648 | V | AL-IRAQIA SPORT | 2532 |
| 12.511 | H | CASPIO-NET | 4340 |
| 12.516 | V | MTA International | 10370 |
| 12.516 | V | Telemedia 1 | 10370 |
| 12.516 | V | Telemedia 5 | 10370 |
| 12.516 | V | Telemedia 8 | 10370 |
| 12.516 | V | Telemedia 9 | 10370 |
| 12.516 | V | Telemedia Radio 1 | 10370 |
| ● 12.521 | H | LIDER TV AZERBAIJ | 4340 |
| 12.532 | H | AZTV- | 4340 |
| 12.541 | H | LEONARDO WORLD | 4340 |
| 12.545 | H | Medi1SAT | 2734 |
| 12.558 | V | EURONEWS-AFRICA | 8138 |
| 12.558 | V | EURONEWS-FRANCE | 8138 |
| 12.611 | V | JSC Contribution | 5787 |
| 12.625 | V | ZAGROS | 2668 |
| 11.633 | V | Fox Crime | 5787 |
| 11.633 | V | Fox Life | 5787 |
| 11.642 | V | AL-IRAQIA ATYAF | 2175 |
| 11.642 | V | IMN 3 | 2175 |
| 11.642 | V | IMN 3 FM | 2175 |
| 11.680 | H | TBC 1 | 5000 |
| 12.652 | V | Service 1 | 2480 |

**C-Band: PAKSAT 1**
**38.0 East**

| Freq GHz | Pol | Channel Name | Symbol rate |
|---|---|---|---|
| ● 3.788 | H | RUNG TV | 2850 |
| ● 3.797 | H | OXYEGNE | 3255 |
| ● 3.815 | H | Program 1 | 4666 |
| ● 3.815 | H | Program 2 | 4666 |
| ● 3.864 | H | MasalaTv | 3800 |
| ● 3.871 | H | SAMAA TV | 2170 |
| ● 3.874 | H | Tandberg Service | 2170 |
| ● 3.886 | H | PUNJAB TV | 6200 |
| ● 3.886 | H | STAR ASIA | 6200 |
| ● 3.945 | H | Channel 11 | 4700 |
| ● 3.951 | H | HAQTV-NETWORK | 3240 |
| ● 3.957 | H | Rohi | 3255 |
| ● 3.968 | H | ARY FASHION | 11481 |
| ● 3.968 | H | ARY VH1 | 11481 |
| ● 3.968 | H | ARY ZAUQ | 11481 |
| ● 3.968 | H | FEED | 11481 |
| ● 3.975 | H | QTA | 2170 |
| ● 4.031 | H | SUNBIZ | 3255 |
| ● 4.035 | H | PTV.BOLAN | 2894 |
| ● 4.056 | H | ARY MADINA | 3255 |
| ● 4.104 | H | Service 2 | 3000 |
| ● 4.110 | H | BUSINESS PLUS | 3255 |
| ● 4.115 | H | UPCOM | 3333 |
| ● 4.120 | H | INDUS TV NETWORK | 3358 |
| 3.829 | V | VTV1 | 12000 |
| 3.829 | V | VTV2 | 12000 |
| 3.829 | V | VTV3 | 12000 |
| 3.829 | V | VTV4 | 12000 |
| 3.895 | V | VALUE TV | 2850 |
| ● 3.904 | V | Service 2 | 3253 |
| 3.912 | V | CITY NEWS 042 | 3255 |
| 4.145 | V | DVB-Server | 6000 |

**Europe**
**HELLAS SAT 2**
**39.0 East**
**HEL002F1**

| Freq GHz | Pol | Channel Name | Symbol rate |
|---|---|---|---|
| 12.524 | H | Animal Planet | 30000 |
| 12.524 | V | AXN SCI FI | 30000 |
| ● 12.524 | H | BNT 1 | 30000 |
| 12.524 | H | bTV | 30000 |
| 12.524 | V | Cinemax 2 | 30000 |
| 12.524 | H | Diema | 30000 |
| 12.524 | H | Diema 2 | 30000 |
| 12.524 | V | Discovery | 30000 |
| 12.524 | H | Discovery Channel | 30000 |
| 12.524 | V | Euforia | 30000 |
| 12.524 | V | Eurosport 2 | 30000 |
| 12.524 | H | HBO | 30000 |
| 12.524 | V | HBO Comedy | 30000 |
| 12.524 | V | Kiss TV | 30000 |
| 12.524 | V | Money Channel | 30000 |
| 12.524 | H | National Geographic | 30000 |
| 12.524 | H | Nova TV | 30000 |
| 12.524 | H | Planeta TV | 30000 |
| 12.524 | H | Private Spice | 30000 |
| 12.524 | V | Science | 30000 |
| 12.524 | V | Sport Klub | 30000 |
| 12.524 | H | TV7 | 30000 |
| 12.524 | V | TVR 1 | 30000 |
| 12.524 | V | TVR 2 | 30000 |
| 12.524 | V | TVR Cultural | 30000 |
| 12.524 | V | VH 1 Classic | 30000 |
| 12.524 | H | The Voice | 30000 |
| 12.559 | H | BBT | 20000 |
| 12.559 | H | CNN | 20000 |
| 12.559 | H | Explorer/Playboy | 20000 |
| 12.559 | H | Fashion TV/FreeX T | 20000 |
| 12.559 | H | Jetix | 20000 |
| 12.559 | H | Perviy Kanal | 20000 |
| 12.559 | H | Ring TV | 20000 |
| 12.559 | H | Zone Reality | 20000 |
| 12.559 | H | Boomerang | 20000 |
| 12.559 | H | FAN TV | 20000 |
| 12.559 | H | Folklor TV | 20000 |
| 12.559 | H | K8 | 20000 |
| 12.559 | H | RTVi | 20000 |
| ● 12.559 | H | Sport7 | 20000 |
| 12.565 | V | Acasa TV | 30000 |
| 12.565 | V | Antena 1 | 30000 |
| 12.565 | V | Antena 2 | 30000 |
| 12.565 | V | Antena 3 | 30000 |
| 12.565 | V | AXN | 30000 |
| 12.565 | V | B1 | 30000 |
| 12.565 | V | Favorit TV | 30000 |
| 12.565 | V | Minimax/Anime | 30000 |
| 12.565 | V | N24 | 30000 |
| 12.565 | V | National TV | 30000 |
| 12.565 | V | OTV | 30000 |
| 12.565 | V | Prima TV | 30000 |
| 12.565 | V | PRO TV | 30000 |
| 12.565 | V | PRO TV INTL. | 30000 |
| 12.565 | V | Realitatea TV | 30000 |
| 12.565 | V | Sport.ro | 30000 |
| 12.565 | V | X-Dream TV | 30000 |
| 12.577 | H | Film Plus HD | 10000 |
| 12.577 | H | Bulsatcom HD | 10000 |
| 12.606 | H | 4E HELLAS ORTHODO | 30000 |
| 12.606 | H | 902 TV | 30000 |
| 12.606 | H | CYPRUS SAT | 30000 |
| 12.606 | H | ERT world | 30000 |
| 12.606 | H | KANALI 10 | 30000 |
| 12.606 | H | SGC-SGI PRESS ROO | 30000 |
| 12.606 | H | SKAI | 30000 |
| 12.606 | H | TELEASTY | 30000 |
| 12.606 | H | VOULI | 30000 |
| 12.606 | H | 902 FM | 30000 |
| 12.606 | H | ANGEL RADIO | 30000 |
| 12.606 | H | ANT1 | 30000 |
| 12.606 | H | ATHINA 9,84 | 30000 |
| 12.606 | H | BEST 92,6 | 30000 |
| 12.606 | H | CyBc A | 30000 |
| 12.606 | H | CyBc B | 30000 |
| 12.606 | H | DIAVLOS1 | 30000 |
| 12.606 | H | EKK. ELLADOS | 30000 |
| 12.606 | H | ERA-1 | 30000 |
| 12.606 | H | ERA-4 | 30000 |
| 12.606 | H | ERA-5 | 30000 |
| 12.606 | H | ERT3 102 Makedonia | 30000 |
| 12.606 | H | EXTRA SPORT | 30000 |
| 12.606 | H | FLASH | 30000 |
| 12.606 | H | FM 100 | 30000 |
| 12.606 | H | GALAXY | 30000 |
| 12.606 | H | HPEIROS 94,5 | 30000 |
| 12.606 | H | John Greek | 30000 |
| 12.606 | H | Metropolis | 30000 |
| 12.606 | H | NITRO | 30000 |
| 12.606 | H | OASIS | 30000 |
| 12.606 | H | PEIRAIKI EKKLISIA | 30000 |
| 12.606 | H | RADIO THESSALONIK | 30000 |
| 12.606 | H | RADIOASTY | 30000 |
| 12.606 | H | RYTHMOS | 30000 |
| 12.606 | H | SFERA | 30000 |
| 12.606 | H | SKAI RADIO | 30000 |
| 12.606 | H | SPORT FM | 30000 |
| 12.606 | H | TOP FM RODOS | 30000 |
| 12.606 | H | TRITO | 30000 |
| 12.647 | V | AXN CRIME | 30000 |
| ● 12.647 | H | BNT Sat | 30000 |
| 12.647 | V | Boomerang | 30000 |
| 12.647 | V | Cartoon Net/TCM | 30000 |
| 12.647 | V | Cartoon Network | 30000 |
| 12.647 | V | CNN Intern. | 30000 |
| 12.647 | H | Discovery Science | 30000 |
| 12.647 | H | Discovery Travel & L | 30000 |
| 12.647 | H | Discovery World | 30000 |
| 12.647 | H | Eurocom BG | 30000 |
| 12.647 | V | Euronews | 30000 |
| 12.647 | H | Film Plus | 30000 |
| 12.647 | V | Free-X TV | 30000 |
| 12.647 | V | Free-X TV 2 | 30000 |
| 12.647 | H | GTV | 30000 |
| 12.647 | V | Hallmark | 30000 |
| 12.647 | H | Hustler TV | 30000 |
| 12.647 | V | Kanal D | 30000 |
| 12.647 | V | MTV 2 | 30000 |
| 12.647 | V | MTV Dance | 30000 |
| 12.647 | H | MTV Romania | 30000 |
| 12.647 | V | Private Spice | 30000 |
| 12.647 | H | Super 7 | 30000 |
| 12.647 | V | TCM | 30000 |
| 12.647 | V | Travel&Living | 30000 |
| 12.647 | H | TV Evropa | 30000 |
| ● 12.647 | H | TV Plus | 30000 |
| 12.647 | H | VH1 | 30000 |
| 12.647 | H | Viasat History | 30000 |
| 12.647 | H | Zone Club | 30000 |
| 12.647 | H | Kanal 3 | 30000 |
| 12.647 | H | MM | 30000 |
| 12.647 | H | Planeta Folk TV | 30000 |
| 12.647 | H | Skat TV | 30000 |
| 12.647 | H | BG Radio | 30000 |
| 12.647 | H | Darik Radio | 30000 |
| 12.647 | H | NRJ | 30000 |
| 12.647 | H | Radio 1 Rock | 30000 |
| 12.647 | H | Tangra MegaRock | 30000 |
| 12.688 | H | AXN | 30000 |
| 12.688 | H | AXN Crime | 30000 |
| 12.688 | H | AXN Sci Fi | 30000 |
| 12.688 | H | Cinemax | 30000 |
| 12.688 | H | City TV | 30000 |
| 12.688 | H | Diema Family | 30000 |
| 12.688 | V | Discovery World | 30000 |
| 12.688 | H | Eurosport | 30000 |
| 12.688 | H | Eurosport 2 | 30000 |
| 12.688 | V | Extreme Sports | 30000 |
| 12.688 | V | Fashion TV | 30000 |
| 12.688 | H | FOX Crime | 30000 |
| 12.688 | H | FOX Life | 30000 |
| 12.688 | H | Hallmark | 30000 |
| 12.688 | V | HBO | 30000 |
| 12.688 | H | HBO Comedy | 30000 |
| 12.688 | H | Hobby TV | 30000 |
| 12.688 | H | MTV Europe | 30000 |
| 12.688 | V | Nat. Geographic | 30000 |
| 12.688 | V | PRO Cinema | 30000 |
| 12.688 | V | TELESPORT | 30000 |
| 12.688 | V | TRACE | 30000 |
| 12.688 | V | Travel Channel | 30000 |
| 12.688 | H | TV1000 | 30000 |
| 12.688 | H | TV2 | 30000 |
| 12.688 | V | TV5 Monde | 30000 |
| 12.688 | V | VH 1 | 30000 |
| 12.688 | V | Taraf | 30000 |
| 12.688 | H | radio Atlantic | 30000 |
| 12.688 | H | radio OMV | 30000 |
| 12.688 | H | radio Veselina E | 30000 |
| 12.688 | H | radio Veselina N | 30000 |
| 12.688 | H | radio Veselina W | 30000 |
| 12.688 | H | radio Vitosha E | 30000 |
| 12.688 | H | radio Vitosha W | 30000 |
| 12.688 | H | The Voice | 30000 |
| 12.717 | H | Hellas SD Test2 | 7720 |
| 12.717 | H | Hellas HD Test1 | 7720 |
| 12.729 | V | Baby TV | 30000 |
| 12.729 | V | Jetix | 30000 |
| 12.729 | V | KidsCo | 30000 |
| 12.729 | V | Movies 24 | 30000 |
| 12.729 | V | Music Channel | 30000 |
| 12.729 | V | Nickelodeon | 30000 |
| 12.729 | V | Trinitas TV | 30000 |
| ● 12.729 | V | TVR 3 | 30000 |
| ● 12.729 | V | TVR Info | 30000 |
| ● 12.729 | V | UTV | 30000 |
| 12.729 | V | [illegible] | 30000 |
| 12.729 | V | Etno | 30000 |
| 12.729 | V | Euro Channel | 30000 |
| 12.647 | V | Travel&Living | |

**HEL002F2**

| Freq GHz | Pol | Channel Name | Symbol rate |
|---|---|---|---|
| 10.956 | V | GNET | 4123 |
| 10.956 | V | MAD TV BULGARIA | 4123 |
| 10.956 | V | MAD RADIO | 4123 |
| 11.037 | V | PTV | 5210 |
| 11.099 | V | Reform TV | 1478 |
| 11.140 | V | Calabria | 1425 |
| 12.715 | V | test | 6654 |

**HEL002ME**

| Freq GHz | Pol | Channel Name | Symbol rate |
|---|---|---|---|
| 11.512 | H | FEED | 30000 |
| 11.512 | H | HTH | 30000 |
| 11.512 | H | KDRTRK | 30000 |
| 11.512 | H | KRT | 30000 |
| 11.512 | H | KULTURA | 30000 |
| 11.512 | H | TV BITA | 30000 |
| 11.512 | H | UBK | 30000 |
| 11.512 | H | UTR | 30000 |
| 11.512 | H | ZAGRAVA | 30000 |
| 11.512 | H | RUI2 | 30000 |
| 11.512 | H | StudioChocolate | 30000 |
| 11.512 | H | StudioChocolate_2 | 30000 |
| 11.512 | H | UR1 | 30000 |
| 11.512 | H | UR2 | 30000 |
| 11.512 | H | UR3 | 30000 |
| 10.969 | V | MED OFFICE | 2893 |
| 12.716 | H | Hellas SD Test2 | 7720 |
| 12.716 | H | Hellas HD Test1 | 7720 |
| 12.726 | V | Baby TV | 30000 |
| 12.726 | V | Jetix | 30000 |
| 12.726 | V | KidsCo | 30000 |
| 12.726 | V | Movies 24 | 30000 |
| 12.726 | V | Music Channel | 30000 |
| 12.726 | V | Nickelodeon | 30000 |
| 12.726 | V | Trinitas TV | 30000 |
| ● 12.726 | V | TVR 3 | 30000 |
| ● 12.726 | V | TVR Info | 30000 |
| ● 12.726 | V | UTV | 30000 |
| 12.726 | V | [illegible] | 30000 |
| 12.726 | V | Etno | 30000 |
| 12.726 | V | Euro Channel | 30000 |

**South Africa**
**HELLAS SAT 2**
**39.1 East**
**HEL002S1**

| Freq GHz | Pol | Channel Name | Symbol rate |
|---|---|---|---|
| 12.524 | H | Extreme Sports | 30000 |
| 12.524 | H | Audi | 30000 |
| 12.524 | H | Boogaloos | 30000 |
| 12.524 | H | BYU TV | 30000 |
| 12.524 | H | Catwalk Extreme | 30000 |
| 12.524 | V | Checkers Checkout | 30000 |
| 12.524 | V | Christian TV | 30000 |
| 12.524 | H | Education - Primary | 30000 |
| 12.524 | V | Education - Secondar | 30000 |
| 12.524 | V | Education - Tertiary | 30000 |
| 12.524 | H | Fashion TV | 30000 |
| 12.524 | V | iPop TV | 30000 |
| 12.524 | V | Juice TV | 30000 |
| 12.524 | V | Lesotho Tourism | 30000 |
| 12.524 | V | LG | 30000 |
| 12.524 | V | Movie channel | 30000 |
| 12.524 | H | Muslim TV | 30000 |
| 12.524 | H | Nissan | 30000 |
| 12.524 | V | Primi TV | 30000 |
| 12.524 | H | Rivers Church | 30000 |
| 12.524 | H | Salon TV - Hair | 30000 |
| 12.524 | H | Samsung | 30000 |
| 12.524 | H | Spar TV | 30000 |
| 12.524 | V | TWC Channel | 30000 |
| 12.524 | H | Xleague.TV | 30000 |
| 12.524 | H | Capitol Radio 604 | 30000 |
| 12.524 | V | Radio 10 | 30000 |
| 12.524 | V | Radio 2 | 30000 |
| 12.524 | V | Radio 3 | 30000 |
| 12.524 | V | Radio 4 | 30000 |
| 12.524 | V | Radio 5 | 30000 |
| 12.524 | H | Radio 6 | 30000 |
| 12.524 | V | Radio 7 | 30000 |
| 12.524 | V | Radio 8 | 30000 |
| 12.524 | V | Radio 9 | 30000 |

**EXPRESS AM1**
**40.0 East**

| Freq GHz | Pol | Channel Name | Symbol rate |
|---|---|---|---|
| 10.967 | V | 1MUZ | 20000 |
| 10.967 | V | 5 Kanal | 20000 |
| 10.967 | V | 7 TV | 20000 |
| 10.967 | V | Dom Kino | 20000 |
| 10.967 | V | Orbita-4 | 20000 |
| 10.967 | V | Russia Double-4 | 20000 |
| 10.967 | V | Telecafe | 20000 |
| 10.967 | V | Telenyanya | 20000 |
| 10.967 | V | TV Centr | 20000 |
| 10.967 | V | Vesti | 20000 |
| 10.967 | V | Vremya | 20000 |
| 10.967 | V | Radio Rossii D4 | 20000 |
| 10.967 | V | Yunost | 20000 |
| 10.995 | V | 1 Kanal | 20000 |
| 10.995 | V | 5 Kanal | 20000 |
| 10.995 | V | Home | 20000 |
| 10.995 | V | Kultura | 20000 |
| 10.995 | V | MuzTV | 20000 |
| 10.995 | V | RTR Sport | 20000 |
| 10.995 | V | Russia | 20000 |
| 10.995 | V | STS | 20000 |
| 10.995 | V | TNT | 20000 |
| 10.995 | V | TNV | 20000 |
| 10.995 | V | TV Centr | 20000 |
| 10.995 | V | Love Radio | 20000 |
| 10.995 | V | Mayak | 20000 |
| 10.995 | V | Novy Vek | 20000 |
| 10.995 | V | Radio Kultura | 20000 |
| 10.995 | V | Radio Rossi | 20000 |
| 11.097 | H | TV | 4000 |
| 11.097 | H | FM | 4000 |
| 11.159 | V | SPACE TV AZERBAIJ | 3333 |
| 11.679 | H | NNTV_plus_RIC | 7596 |
| 11.679 | H | vesty_privolghe | 7596 |

**Europe, Russia**
**C-Band: EXPRESS AM1**
**40.1 East**

| Freq GHz | Pol | Channel Name | Symbol rate |
|---|---|---|---|
| 3.675 | R | 1kanalR+Mayak | 33483 |
| 3.675 | R | 7TV_Podmoskov'e | 33483 |
| 3.675 | R | Dubl-4+RRD4 | 33483 |
| 3.675 | R | Orbita-4R+Yunost | 33483 |
| 3.675 | R | Rossiya+RR | 33483 |
| 3.675 | R | Kultura+Vesti-FM | 33483 |
| 3.675 | R | Kultura-3 | 33483 |
| 3.675 | R | TRK5_MSK | 33483 |
| 3.675 | R | Radio Al-10 | 33483 |
| 3.675 | R | Radio Al-11 | 33483 |
| 3.675 | R | Radio Al-3_Al-9 | 33483 |
| 3.675 | R | Radio Al-8_Al-5 | 33483 |
| 3.675 | R | Radio CH12 | 33483 |
| 3.675 | R | Radio CH13 | 33483 |
| 3.675 | R | Radio Mayak | 33483 |
| 3.675 | R | Radio Podmoskov'e | 33483 |
| 3.675 | R | Radio Rossii | 33483 |
| 3.675 | R | Radio RossiiD4 | 33483 |
| ● 3.675 | R | Radio RUVR-10 | 33483 |
| ● 3.675 | R | Radio RUVR-9 | 33483 |
| 3.675 | R | Radio Vesti-FM | 33483 |
| 3.675 | R | Radio Yunost | 33483 |
| 3.740 | R | GTRK VOLOGDA | 3230 |
| 3.771 | R | SCOPUS-NET-TECH | 3330 |
| 3.865 | R | RGVK-DAGESTAN | 4000 |
| 3.873 | R | VAYNAH TV | 4340 |
| 3.933 | R | Kirov | 3300 |
| 4.059 | R | GTRK ELISTA | 3230 |
| 4.062 | R | GTRK Volgograd TRV | 2772 |
| 4.107 | R | KRT | 3215 |
| 4.112 | R | GTRK-KURSK | 4285 |
| 4.118 | R | Tv43Region | 3300 |
| 4.125 | R | Planeta-1 | 3215 |
| 4.128 | R | TV Kostroma | 3230 |
| 4.131 | R | GTRK Kostroma | 3219 |
| 4.135 | R | GTRK Alania | 3240 |
| 4.142 | R | GTRK Orenburg | 3219 |
| 4.143 | R | TB KBR | 2003 |
| 4.140 | R | GTRK ORENBURG | 3230 |

**TURKSAT 2A, 3A**
**42.0 East**
**TUR01CWB**

| Freq GHz | Pol | Channel Name | Symbol rate |
|---|---|---|---|
| 10.968 | V | BRTK KKTC | 4556 |
| 10.981 | V | D MAX | 10800 |
| 10.981 | V | D PLUS | 10800 |
| 10.981 | V | KIDSCO | 10800 |
| 10.981 | V | LULI | 10800 |
| 10.981 | V | TV DERSHANE | 10800 |
| 10.981 | V | WORLD FASHION | 10800 |
| 11.007 | V | OLAY TV & FM | 2950 |
| 11.011 | V | KANAL 35 | 2125 |
| 11.015 | V | FASHIONONE | 2050 |
| 11.018 | V | AKSU TV | 2150 |
| 11.023 | V | HABUR | 4444 |
| 11.023 | V | Dating TV | 4444 |
| 11.023 | V | Finest | 4444 |
| 11.029 | V | TV 58 | 2400 |
| 11.136 | V | ATA TV | 2170 |
| 11.143 | V | BASKENT-AB TV | 2200 |
| 11.159 | V | RUMELI TV | 2596 |
| 11.162 | V | MPL TV | 2222 |
| 11.162 | V | MPL RADYO | 2222 |
| 11.166 | V | BENGUTURK TV | 2960 |
| 11.177 | V | VATAN TV | 2200 |

**TUR02AKE**

| Freq GHz | Pol | Channel Name | Symbol rate |
|---|---|---|---|
| 11.734 | H | TURKSAT TANITIM | 3291 |
| 11.734 | H | POLIS RADYOSU | 3291 |
| 11.739 | H | KANALTÜRK | 3125 |
| 11.739 | H | KANALTÜRK RADYO | 3125 |
| ● 11.743 | H | TVNET | 2222 |
| 11.743 | H | LALEGUL FM | 2222 |
| 11.748 | H | KANAL 7 | 4444 |
| 11.748 | H | RADYO 7 | 4444 |
| 11.748 | H | RADYO 7 | 4444 |
| 11.753 | H | AVRASYA TV | 3000 |
| 11.760 | H | ALEM FM | 5925 |
| 11.760 | H | SHOW TV | 5925 |
| 11.775 | H | ALJAZEER | 2222 |
| 11.794 | H | STAR TV | 5632 |
| 11.800 | H | ANS GROUP | 2400 |
| 11.892 | H | CNBC-e | 12800 |
| 11.892 | H | e2 | 12800 |

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| Freq GHz | Pol | Channel Name | Symbol rate |
|---|---|---|---|
| 11.892 | H | NTV | 12800 |
| 11.892 | H | NTV Spor | 12800 |
| 11.892 | H | Capital Radio | 12800 |
| 11.892 | H | NTV Radyo | 12800 |
| 11.892 | H | Radyo Eksen | 12800 |
| 11.905 | H | KANAL D | 6666 |
| 11.905 | H | SMART HITS | 6666 |
| 11.905 | H | SMART JAZZ | 6666 |
| 11.905 | H | SMART OLDIES | 6666 |
| 11.905 | H | SMART ROCK | 6666 |
| 11.905 | H | SMART SLOW | 6666 |
| 11.905 | H | iRADYO_PORTAL | 6666 |
| 11.905 | H | RADYO D | 6666 |
| 11.912 | H | AYNA TV | 3333 |
| ● 11.970 | H | EUROSPORT HD | 17900 |
| ● 11.970 | H | HDTV SMART | 17900 |
| ● 11.970 | H | DISCOVERY HD | 17900 |
| ● 11.970 | H | KANAL D HD | 17900 |
| 11.984 | H | Nickelodeon | 4000 |
| 11.984 | H | MTV TURKIYE | 4000 |
| 12.002 | H | atv | 4800 |
| 12.008 | H | KANAL 1 | 4400 |
| 12.008 | H | Intercom | 4400 |
| 12.008 | H | MARMARA RADYO | 4400 |
| 12.015 | H | TGRT Haber | 4800 |
| 12.015 | H | TGRT Pazarlama | 4800 |
| 12.015 | H | TGRT FM | 4800 |
| 12.022 | H | FOX | 5380 |
| 12.028 | H | samanyolu.tv | 4557 |
| 12.028 | H | Burc FM | 4557 |
| 12.028 | H | Dunya Radyo | 4557 |
| 12.028 | H | SHaber Radyo | 4557 |
| 12.127 | H | Blinko TV | 7400 |
| 12.127 | H | Denge TV | 7400 |
| 12.127 | H | Ekin TV | 7400 |
| 12.127 | H | Esin TV | 7400 |
| 12.127 | H | ILAN TV | 7400 |
| 12.127 | H | IMAN TV | 7400 |
| 12.127 | H | iPlay | 7400 |
| 12.127 | H | Kanal 6 | 7400 |
| 12.135 | H | ASTRO | 3703 |
| 12.135 | H | FASIL | 3703 |
| 12.140 | H | ALJAZEER | 2222 |

TUR02AKW

| Freq GHz | Pol | Channel Name | Symbol rate |
|---|---|---|---|
| 11.712 | V | SES TV | 2963 |
| 11.717 | V | HILAL TV | 2222 |
| 11.717 | V | GÖZYAŞI FM | 2222 |
| 11.717 | V | SEYR FM | 2222 |
| 11.729 | V | ACTIONMAX | 15555 |
| 11.729 | V | INTIMACY | 15555 |
| 11.729 | V | JOJO | 15555 |
| 11.729 | V | LIG TV | 15555 |
| 11.729 | V | TÜRKMAX | 15555 |
| 11.729 | V | İZ | 15555 |
| ● 11.729 | V | ASK TV | 15555 |
| 11.729 | V | DIGI | 15555 |
| ● 11.729 | V | MAX TV | 15555 |
| 11.729 | V | MASAL RADYO | 15555 |
| 11.729 | V | POWER FM | 15555 |
| 11.729 | V | POWERTURK | 15555 |
| 11.729 | V | TEST int | 15555 |
| 11.729 | V | Test int2 | 15555 |
| 11.743 | V | CAY TV | 2222 |
| 11.753 | V | 24 | 3900 |
| 11.757 | V | CEM TV | 2962 |
| 11.757 | V | CEM RADYO 96.4 | 2962 |
| 11.762 | V | SU TV | 2155 |
| 11.766 | V | KaradenizTV | 2222 |
| 11.766 | V | KaradenizFM | 2222 |
| 11.770 | V | DTV | 2177 |
| 11.773 | V | Dost TV | 2420 |
| 11.777 | V | TGRT EU | 3150 |
| 11.777 | V | TGRT FM | 3150 |
| 11.781 | V | FOXTURK | 2815 |
| ● 11.830 | V | TV8 | 6666 |
| 11.839 | V | TURKMENELI TV | 4444 |
| 11.846 | V | 6News | 3333 |
| 11.846 | V | TV5 | 3333 |
| 11.846 | V | Radyo_As | 3333 |
| 11.852 | V | _CLUP_TV | 4444 |
| 11.852 | V | _Taraftar_TV | 4444 |
| ● 11.852 | V | AKILLI_TV | 4444 |
| 11.852 | V | Smart | 4444 |
| ● 11.858 | V | TATLISES TV | 2400 |
| ● 11.858 | V | M.akdeniz | 2400 |
| ● 11.858 | V | M.ege | 2400 |
| ● 11.858 | V | Radyo_Mega | 2400 |
| ● 11.858 | V | Radyo_Vatan | 2400 |
| 11.867 | V | KANAL B | 4444 |
| 11.874 | V | MELTEM TV | 3400 |
| 11.874 | V | ÖZLEM TV | 3400 |
| 11.874 | V | MEDYA FM | 3400 |
| 11.874 | V | Meltem Radyo | 3400 |
| 11.874 | V | RADYO 2000 | 3400 |
| 11.874 | V | RADYO ILAC | 3400 |
| 11.877 | V | KADIRGA TV | 3750 |
| 11.877 | V | MARMARA TV | 3750 |
| 11.877 | V | MESAJ TV | 3750 |
| 11.882 | V | Berat | 2965 |
| 11.882 | V | Halay | 2965 |
| 11.882 | V | Kanal Avrupa | 2965 |
| 11.887 | V | Expo_Channel | 3333 |
| 11.887 | V | NATURAL_LIFE_CH | 3333 |
| 11.892 | V | AVRASYA-TV | 2960 |
| 11.892 | V | Radyo ***** | 2960 |
| 11.896 | V | SAMSUN AKS TV | 2222 |
| 11.919 | V | TRT 1 | 24444 |
| 11.919 | V | TRT 2 | 24444 |
| 11.919 | V | TRT 3 | 24444 |
| 11.919 | V | TRT 4 | 24444 |
| 11.919 | V | TRT INT | 24444 |
| 11.919 | V | Meteorolojinin Sesi | 24444 |
| 11.919 | V | RADYO 1 | 24444 |
| 11.919 | V | RADYO 2 (TRT FM) | 24444 |
| 11.919 | V | RADYO 3 | 24444 |
| 11.919 | V | RADYO 4 | 24444 |
| 11.919 | V | Radyo GAP | 24444 |
| 11.919 | V | TSR Turkce | 24444 |
| 11.919 | V | Turizm Radyosu | 24444 |
| 11.919 | V | VOT East | 24444 |
| 11.919 | V | VOT West | 24444 |
| 11.919 | V | VOT World | 24444 |
| 11.940 | V | TRT 1 | 24444 |
| 11.940 | V | TRT 2 | 24444 |
| 11.940 | V | TRT 3 | 24444 |
| 11.940 | V | TRT 4 | 24444 |
| 11.940 | V | TRT INT | 24444 |
| 11.940 | V | Meteorolojinin Sesi | 24444 |
| 11.940 | V | RADYO 1 | 24444 |
| 11.940 | V | RADYO 2 (TRT FM) | 24444 |
| 11.940 | V | RADYO 3 | 24444 |
| 11.940 | V | RADYO 4 | 24444 |
| 11.940 | V | Radyo GAP | 24444 |
| 11.940 | V | TSR Turkce | 24444 |
| 11.940 | V | Turizm Radyosu | 24444 |
| 11.940 | V | VOT East | 24444 |
| 11.940 | V | VOT West | 24444 |
| 11.940 | V | VOT World | 24444 |
| 11.951 | V | MEHTAP TV | 8800 |
| 11.951 | V | S HABER | 8800 |
| 11.951 | V | SAMANYOLU TV | 8800 |
| 11.951 | V | YUMURCAK TV | 8800 |
| 11.951 | V | INTERCOM | 8800 |
| 11.951 | V | AKRA FM | 8800 |
| 11.951 | V | BURC FM | 8800 |
| 11.951 | V | DUNYA RADIO | 8800 |
| 11.951 | V | MARMARA FM | 8800 |
| 11.951 | V | MORAL FM | 8800 |
| 11.951 | V | RADYO 15 | 8800 |

| Freq GHz | Pol | Channel Name | Symbol rate |
|---|---|---|---|
| 11.959 | V | KIBRIS GENC TV | 2960 |
| 11.959 | V | MMC TURK | 2960 |
| 11.959 | V | CYS FEED | 2960 |
| 11.959 | V | FIRST FM | 2960 |
| 11.963 | V | Service 2 | 2300 |
| 11.973 | V | KONTV | 2240 |
| 11.996 | V | AS10 | 26000 |
| 11.996 | V | DEM | 26000 |
| 11.996 | V | DugunTV | 26000 |
| 11.996 | V | Genc TV | 26000 |
| 11.996 | V | GERCEK TV | 26000 |
| 11.996 | V | HAYAT TV | 26000 |
| 11.996 | V | KANAL 12 | 26000 |
| 11.996 | V | KANAL T | 26000 |
| 11.996 | V | M-ON | 26000 |
| 11.996 | V | Manolya.TV | 26000 |
| 11.996 | V | MAVI KARADENIZ | 26000 |
| 11.996 | V | Tempo TV | 26000 |
| 11.996 | V | TURKSHOW | 26000 |
| 11.996 | V | TV 5 Int | 26000 |
| 11.996 | V | TÜRKSHOP | 26000 |
| 11.996 | V | Yol TV | 26000 |
| 11.996 | V | DEM RADYO | 26000 |
| 11.996 | V | KUPE FM | 26000 |
| 11.996 | V | Metro FM | 26000 |
| 11.996 | V | Süper FM | 26000 |
| 12.126 | V | KANAL7 INT | 6666 |
| 12.126 | V | tvt | 6666 |
| 12.126 | V | ULKE TV | 6666 |
| 12.126 | V | ,,,, | 6666 |
| 12.126 | V | ; | 6666 |
| 12.126 | V | RADYO 7 | 6666 |
| 12.134 | V | BUSINESS | 3333 |
| 12.140 | V | NUMBER ONE TV | 4444 |
| 12.140 | V | TURKSAT TANITIM | 4444 |
| 12.140 | V | NUMBER ONE FM | 4444 |
| 12.140 | V | POLIS RADYOSU | 4444 |
| 12.140 | V | RADYO KLAS | 4444 |
| 12.140 | V | RADYO MYDONOSE | 4444 |
| 12.692 | H | AZAD AZERBAYCAN | 2800 |

TUR02AS1

| Freq GHz | Pol | Channel Name | Symbol rate |
|---|---|---|---|
| 12.513 | H | KANAL A | 4400 |
| 12.513 | H | Dunya Radyo | 4400 |
| 12.513 | H | Radyo A | 4400 |
| 12.519 | H | SHOPPING | 3125 |
| 12.524 | H | SKYTURK | 4250 |
| 12.530 | H | SHOW TURK | 4444 |
| 12.536 | H | HALK TV | 2962 |
| 12.540 | H | KANAL BIZ | 3125 |
| 12.590 | V | MZE & 1ST . | 3000 |
| 12.596 | V | Rustavi 2 | 2500 |
| 12.605 | V | georgian tv | 2962 |
| 12.614 | V | FLASH TV | 3333 |
| 12.633 | V | atv | 4800 |
| 12.633 | V | TURKC | 4800 |
| 12.633 | V | . | 4800 |
| 12.633 | V | RADIO CITY | 4800 |
| 12.636 | H | Buket TV | 4800 |
| 12.636 | H | Kral TV | 4800 |
| 12.636 | H | Kral FM | 4800 |
| ● 12.638 | V | EGE TV | 2400 |
| 12.646 | V | KACKAR TV | 3332 |
| 12.646 | V | TEST | 3332 |
| 12.646 | V | YILDIZ TV | 3332 |
| 12.646 | V | KACKAR FM | 3332 |
| 12.646 | V | RIZENIN SESI | 3332 |
| 12.646 | V | TEST | 3332 |
| 12.652 | H | D SPOR | 22500 |
| 12.652 | H | D YEŞİLÇAM | 22500 |
| 12.652 | H | D ÇOCUK | 22500 |
| 12.652 | H | FANTASY | 22500 |
| 12.652 | H | FUTBOL SMART | 22500 |
| 12.652 | H | LOCA1 | 22500 |
| 12.652 | H | LOCA2 | 22500 |
| 12.652 | H | LOCA3 | 22500 |
| 12.652 | H | YEŞİLÇAM XXX | 22500 |
| 12.652 | H | D SHOPPING | 22500 |
| 12.652 | H | D-SMART PROMO | 22500 |
| ● 12.652 | H | KRAL AVRUPA | 22500 |
| 12.652 | H | T.A.Y. TV | 22500 |
| 12.661 | V | D MAX | 9150 |
| 12.661 | V | DHA FEED | 9150 |
| 12.661 | V | MARC DORCEL | 9150 |
| 12.661 | V | PEMBE SMART | 9150 |
| 12.673 | H | KANAL 67 | 2222 |
| 12.680 | H | Cine5 | 8888 |
| 12.680 | H | Gala | 8888 |
| 12.680 | H | Supersport | 8888 |
| 12.680 | H | Viva | 8888 |
| 12.680 | H | . | 8888 |
| 12.680 | H | Nostalji TURK | 8888 |
| 12.680 | H | Radyo Viva | 8888 |
| 12.680 | H | Radyo5 | 8888 |
| 12.680 | H | Show Radyo | 8888 |
| 12.688 | H | A Plus Extra | 2400 |
| 12.688 | H | A Plus Live | 2400 |
| 12.688 | H | Kanal Market | 2400 |
| 12.696 | H | KRAL KARADENIZ | 2222 |
| 12.699 | H | EGE TV | 2400 |
| 12.702 | H | ULUSAL TV | 2285 |
| 12.702 | H | YON FM | 2285 |
| ● 12.717 | V | NBA TV | 5925 |
| ● 12.717 | V | NTV BATI | 5925 |
| 12.717 | V | Billboard | 5925 |
| 12.717 | V | Intercomm | 5925 |
| 12.717 | V | N 101 | 5925 |
| 12.731 | V | TÜRKSAT TANITIM | 3333 |
| ● 10.960 | H | MEHTAP TV | 13000 |
| ● 10.960 | H | S HABER | 13000 |
| ● 10.960 | H | SAMANYOLU TV | 13000 |
| ● 10.960 | H | YUMURCAK TV | 13000 |
| ● 10.960 | H | INTERCOM | 13000 |
| ● 10.960 | H | AKRA FM | 13000 |
| ● 10.960 | H | BURC FM | 13000 |
| ● 10.960 | H | DUNYA RADIO | 13000 |
| ● 10.960 | H | MARMARA FM | 13000 |
| ● 10.960 | H | MORAL FM | 13000 |
| ● 10.960 | H | RADYO 15 | 13000 |
| 10.968 | V | BRTK KKTC | 4557 |
| ● 10.970 | V | BEBEĞİM TV | 30000 |
| ● 10.970 | V | BEYAZPERDE | 30000 |
| ● 10.970 | H | CNN INTERNATIONAL | 30000 |
| 10.970 | H | COOL SMART | 30000 |
| ● 10.970 | V | D MAX | 30000 |
| 10.970 | H | D PLUS | 30000 |
| ● 10.970 | V | D SPOR | 30000 |
| 10.970 | H | DOG TV | 30000 |
| 10.970 | H | ESPN CLASSIC | 30000 |
| ● 10.970 | V | FOOTSCHOOL | 30000 |
| ● 10.970 | V | FUTBOLSMART | 30000 |
| 10.970 | H | FX | 30000 |
| 10.970 | H | KIDSCO | 30000 |
| 10.970 | H | LULI | 30000 |
| 10.970 | H | NASN | 30000 |
| ● 10.970 | V | STYLE NETWORK | 30000 |
| 10.970 | H | SİNEMA TV | 30000 |
| 10.970 | H | SİNEMA TV 2 | 30000 |
| ● 10.970 | V | SİNEMA TV AİLE | 30000 |
| ● 10.970 | V | WORLD FASHION | 30000 |
| 10.970 | H | Z TV | 30000 |
| ● 10.970 | V | T.A.Y. TV | 30000 |
| ● 10.970 | V | {Empty} | 30000 |
| 10.980 | V | D MAX | 14150 |
| 10.980 | V | D PLUS | 14150 |
| 10.980 | V | KIDSCO | 14150 |
| 10.980 | V | LULI | 14150 |
| 10.980 | V | NIKE | 14150 |
| 10.980 | V | WORLD FASHION | 14150 |
| 10.980 | V | FX | 14150 |

| Freq GHz | Pol | Channel Name | Symbol rate |
|---|---|---|---|
| 10.980 | V | Z TV | 14150 |
| 10.999 | V | GAZIANTEP OLAY | 2222 |
| ● 11.003 | V | KANAL 55 | 2175 |
| ● 11.012 | V | D YEŞİLÇAM | 30000 |
| ● 11.012 | V | D ÇOCUK | 30000 |
| ● 11.012 | V | DA VINCI LEARNING | 30000 |
| ● 11.012 | V | FANTASY | 30000 |
| ● 11.012 | V | FX | 30000 |
| ● 11.012 | V | LOCA1 | 30000 |
| ● 11.012 | V | LOCA2 | 30000 |
| ● 11.012 | V | LOCA3 | 30000 |
| ● 11.012 | V | MARC DORCEL | 30000 |
| ● 11.012 | V | MOVIES 24 | 30000 |
| ● 11.012 | V | MOVIES 24 EROTICA | 30000 |
| ● 11.012 | V | MOVIESMART | 30000 |
| ● 11.012 | V | PEMBESMART | 30000 |
| ● 11.012 | V | YEŞİLÇAM XXX | 30000 |
| ● 11.012 | V | D-SMART PROMO | 30000 |
| ● 11.012 | V | Z TV | 30000 |
| ● 11.012 | V | SMART HITS | 30000 |
| ● 11.012 | V | SMART JAZZ | 30000 |
| ● 11.012 | V | SMART OLDIES | 30000 |
| ● 11.012 | V | SMART ROCK | 30000 |
| ● 11.012 | V | SMART SLOW | 30000 |
| ● 11.014 | V | FASHIONONE | 2050 |
| ● 11.016 | V | D YEŞİLÇAM | 30000 |
| ● 11.016 | V | D ÇOCUK | 30000 |
| ● 11.016 | V | DA VINCI LEARNING | 30000 |
| ● 11.016 | V | FANTASY | 30000 |
| ● 11.016 | V | FX | 30000 |
| ● 11.016 | V | LOCA1 | 30000 |
| ● 11.016 | V | LOCA2 | 30000 |
| ● 11.016 | V | LOCA3 | 30000 |
| ● 11.016 | V | MARC DORCEL | 30000 |
| ● 11.016 | V | MOVIES 24 | 30000 |
| ● 11.016 | V | MOVIES 24 EROTICA | 30000 |
| ● 11.016 | V | MOVIESMART | 30000 |
| ● 11.016 | V | PEMBESMART | 30000 |
| ● 11.016 | V | YEŞİLÇAM XXX | 30000 |
| ● 11.016 | V | D-SMART PROMO | 30000 |
| ● 11.016 | V | Z TV | 30000 |
| ● 11.016 | V | SMART HITS | 30000 |
| ● 11.016 | V | SMART JAZZ | 30000 |
| ● 11.016 | V | SMART OLDIES | 30000 |
| ● 11.016 | V | SMART ROCK | 30000 |
| ● 11.016 | V | SMART SLOW | 30000 |
| ● 11.094 | H | TRT 1 | 24444 |
| ● 11.094 | H | TRT 2 | 24444 |
| ● 11.094 | H | TRT 3 | 24444 |
| ● 11.094 | H | TRT 4 | 24444 |
| ● 11.094 | H | TRT INT | 24444 |
| ● 11.094 | H | Antalya Radyosu | 24444 |
| ● 11.094 | H | Audio Test Tone | 24444 |
| ● 11.094 | H | Erzurum Radyosu | 24444 |
| ● 11.094 | H | RADYO 1 | 24444 |
| ● 11.094 | H | RADYO 2 (TRT FM) | 24444 |
| ● 11.094 | H | RADYO 3 | 24444 |
| ● 11.094 | H | RADYO 4 | 24444 |
| ● 11.094 | H | Radyo GAP | 24444 |
| ● 11.094 | H | Trabzon Radyosu | 24444 |
| ● 11.094 | H | TSR Turkce | 24444 |
| ● 11.094 | H | Turizm Radyosu | 24444 |
| ● 11.094 | H | VOT East | 24444 |
| ● 11.094 | H | VOT West | 24444 |
| ● 11.094 | H | VOT World | 24444 |
| ● 11.094 | H | Çukurova Radyosu | 24444 |
| ● 11.096 | V | CAY TV | 30000 |
| ● 11.096 | V | DOGU TV | 30000 |
| ● 11.096 | V | Expo_Ch | 30000 |
| ● 11.096 | V | Expo_Channel | 30000 |
| ● 11.096 | V | FASHION ONE TV | 30000 |
| ● 11.096 | V | FLASH TV | 30000 |
| ● 11.096 | V | Karadeniz TV | 30000 |
| ● 11.096 | V | NUMBER ONE TV | 30000 |
| ● 11.096 | V | POWER TURK TV & P | 30000 |
| ● 11.096 | V | RUMELI TV | 30000 |
| ● 11.096 | V | YABAN TV | 30000 |
| ● 11.096 | V | FENOMEN | 30000 |
| ● 11.096 | V | Karadeniz FM | 30000 |
| ● 11.096 | V | NUMBER ONE FM | 30000 |
| ● 11.096 | V | POWER FM | 30000 |
| ● 11.096 | V | POWER TURK FM | 30000 |
| ● 11.096 | V | POWER XL | 30000 |
| ● 11.096 | V | RADYO KLAS | 30000 |
| 11.145 | H | DISCOVERY HD | 5000 |
| 11.152 | H | EUROSPORT HD | 15800 |
| 11.152 | H | HD SMART | 15800 |
| 11.175 | H | TRT 2 | 14400 |
| 11.175 | H | TRT-1 | 14400 |
| 11.175 | H | RADYO 2 (TRT FM) | 14400 |
| 11.175 | H | Radyo-3 | 14400 |
| ● 11.194 | H | HABERTURK TV | 7200 |
| ● 11.194 | H | KANAL 1 | 7200 |
| ● 11.194 | H | Intercom | 7200 |
| ● 11.194 | H | HABERTURK RADYO | 7200 |
| ● 11.194 | H | POPTURK | 7200 |
| ● 11.524 | V | BRTK KKTC | 4557 |
| 11.554 | H | ITV AZERBAYCAN | 2916 |
| 11.577 | H | XAZAR TV | 2400 |
| 11.577 | H | BURC FM(Baku) | 2400 |
| 11.577 | H | INT | 2400 |
| 11.577 | H | XAZAR FM | 2400 |
| ● 11.581 | H | TRT-TURK | 4444 |
| 11.607 | H | AzTV Azerbaijan | 3750 |
| ● 11.628 | H | atv | 6666 |
| ● 11.642 | H | KANALTURK | 10370 |
| ● 11.642 | H | Intercom | 10370 |
| ● 11.642 | H | Kanalturk Radyo | 10370 |
| 11.694 | H | TRT-TURK | 4444 |
| ● 11.746 | H | AL JAZEERA CHANNE | 27500 |
| ● 11.746 | H | AL JAZEERA INT. | 27500 |
| ● 11.746 | H | ASU TV | 27500 |
| ● 11.746 | H | ORDU 52 TV | 27500 |
| ● 11.746 | H | TEMPO TV | 27500 |
| ● 11.746 | H | TURKSAT TANITIM | 27500 |
| ● 11.746 | H | TURKSAT TEST 1 | 27500 |
| ● 11.746 | H | TURKSAT TEST 2 | 27500 |
| ● 11.746 | H | TURKSAT TEST 3 | 27500 |
| ● 11.746 | H | TURKSAT TEST 4 | 27500 |
| ● 11.746 | H | TURKSAT TEST 5 | 27500 |
| ● 11.746 | H | TURKSAT TEST 6 | 27500 |
| ● 11.746 | H | TURKSAT TEST 7 | 27500 |
| ● 11.746 | H | POLIS RADYOSU | 27500 |
| ● 11.747 | H | AL JAZEERA CHANNE | 27500 |
| ● 11.747 | H | AL JAZEERA INT. | 27500 |
| ● 11.747 | H | ASU TV | 27500 |
| ● 11.747 | H | ORDU 52 TV | 27500 |
| ● 11.747 | H | TEMPO TV | 27500 |
| ● 11.747 | H | TURKSAT TANITIM | 27500 |
| ● 11.747 | H | TURKSAT TEST 1 | 27500 |
| ● 11.747 | H | TURKSAT TEST 2 | 27500 |
| ● 11.747 | H | TURKSAT TEST 3 | 27500 |
| ● 11.747 | H | TURKSAT TEST 4 | 27500 |
| ● 11.747 | H | TURKSAT TEST 5 | 27500 |
| ● 11.747 | H | TURKSAT TEST 6 | 27500 |
| ● 11.747 | H | TURKSAT TEST 7 | 27500 |
| ● 11.747 | H | POLIS RADYOSU | 27500 |
| 11.766 | V | A.B.C.AQTSADIA TV | 27500 |
| 11.766 | V | Abu Dhabi TV | 27500 |
| 11.766 | V | AL Fajr | 27500 |
| 11.766 | V | Al Forat | 27500 |
| ● 11.766 | H | AL JAZEERA CHANNE | 27500 |
| ● 11.766 | H | AL JAZEERA INT. | 27500 |
| 11.766 | V | AL Wasta | 27500 |
| 11.766 | V | Al.Manara.(sci.ch) | 27500 |
| ● 11.766 | H | ASU TV | 27500 |
| 11.766 | V | Beladi | 27500 |
| 11.766 | V | EDUC 1 | 27500 |
| 11.766 | V | EDUC 2 | 27500 |
| 11.766 | V | EDUC 3 | 27500 |
| 11.766 | V | EDUC 4 | 27500 |
| 11.766 | V | Huda TV | 27500 |
| ● 11.766 | H | ORDU 52 TV | 27500 |
| 11.766 | V | Salah EL-Din | 27500 |
| 11.766 | V | Sehaty | 27500 |
| 11.766 | V | Tamima | 27500 |
| ● 11.766 | H | TEMPO TV | 27500 |
| 11.766 | V | Test | 27500 |
| ● 11.766 | H | TURKSAT TANITIM | 27500 |
| ● 11.766 | H | TURKSAT TEST 1 | 27500 |
| ● 11.766 | H | TURKSAT TEST 2 | 27500 |
| ● 11.766 | H | TURKSAT TEST 3 | 27500 |
| ● 11.766 | H | TURKSAT TEST 4 | 27500 |
| ● 11.766 | H | TURKSAT TEST 5 | 27500 |
| ● 11.766 | H | TURKSAT TEST 6 | 27500 |

| Freq GHz | Pol | Channel Name | Symbol rate |
|---|---|---|---|
| ● 11.766 | H | TURKSAT TEST 7 | 27500 |
| 11.766 | V | UNIV 1 | 27500 |
| 11.766 | V | Abu Dhabi Radio | 27500 |
| 11.766 | V | Alforat | 27500 |
| ● 11.766 | H | POLIS RADYOSU | 27500 |
| 11.769 | V | DTV | 2177 |
| ● 11.777 | H | KANAL 7 | 4800 |
| ● 11.777 | H | RADYO 7 | 4800 |
| ● 11.777 | H | RADYO 7 | 4800 |
| 11.778 | V | AL SHARJAH | 27500 |
| 11.778 | V | CNBC-ARABIYA | 27500 |
| 11.778 | V | Dubai One | 27500 |
| 11.778 | V | Dubai Racing Channel | 27500 |
| 11.778 | V | Dubai Sports. | 27500 |
| 11.778 | V | Dubai TV | 27500 |
| 11.778 | V | MUSICPLUS | 27500 |
| 11.778 | V | NOJOOM 1 | 27500 |
| 11.778 | V | Sama Dubai | 27500 |
| 11.778 | V | SHARQIYA | 27500 |
| 11.778 | V | Space Toon Arabic | 27500 |
| 11.778 | V | ALSHARJAH RADIO | 27500 |
| 11.778 | V | EDTV Radio E | 27500 |
| 11.778 | V | EDTV Radio 1 | 27500 |
| 11.785 | H | Animal Planet | 27500 |
| 11.785 | H | ARY | 27500 |
| 11.785 | H | ASIA | 27500 |
| 11.785 | H | B4M | 27500 |
| 11.785 | H | B4UM | 27500 |
| 11.785 | H | Discovery Science | 27500 |
| 11.785 | H | FOXN | 27500 |
| 11.785 | H | FSPR | 27500 |
| 11.785 | H | JXA1 | 27500 |
| 11.785 | H | RTV | 27500 |
| 11.785 | H | S-ONE | 27500 |
| 11.785 | H | SKYN | 27500 |
| 11.785 | H | STARN | 27500 |
| 11.785 | H | TENSP | 27500 |
| 11.785 | H | UKTV | 27500 |
| 11.785 | V | AL SHARJAH | 27500 |
| 11.785 | V | CNBC-ARABIYA | 27500 |
| 11.785 | V | Dubai One | 27500 |
| 11.785 | V | Dubai Racing Channel | 27500 |
| 11.785 | V | Dubai Sports. | 27500 |
| 11.785 | V | Dubai TV | 27500 |
| 11.785 | V | MUSICPLUS | 27500 |
| 11.785 | V | NOJOOM 1 | 27500 |
| 11.785 | V | Sama Dubai | 27500 |
| 11.785 | V | SHARQIYA | 27500 |
| 11.785 | V | Space Toon Arabic | 27500 |
| 11.785 | V | ALSHARJAH RADIO | 27500 |
| 11.785 | V | EDTV Radio E | 27500 |
| 11.785 | V | EDTV Radio 1 | 27500 |
| 11.804 | H | Animal Planet | 27500 |
| 11.804 | H | ARY | 27500 |
| 11.804 | H | ASIA | 27500 |
| 11.804 | H | B4M | 27500 |
| 11.804 | H | B4UM | 27500 |
| ● 11.804 | V | DHA FEED | 24440 |
| 11.804 | H | Discovery Science | 27500 |
| ● 11.804 | V | DREAM TÜRK | 24440 |
| 11.804 | H | FOXN | 27500 |
| 11.804 | H | FSPR | 27500 |
| 11.804 | H | JXA1 | 27500 |
| ● 11.804 | V | PASSION TV | 24440 |
| 11.804 | H | RTV | 27500 |
| 11.804 | H | S-ONE | 27500 |
| 11.804 | H | SKYN | 27500 |
| 11.804 | H | STARN | 27500 |
| 11.804 | H | TENSP | 27500 |
| 11.804 | H | UKTV | 27500 |
| 11.804 | V | AL SHARJAH | 27500 |
| ● 11.804 | V | BJK TV | 24440 |
| 11.804 | V | CNBC-ARABIYA | 27500 |
| ● 11.804 | V | CNN TÜRK | 24440 |
| 11.804 | V | Dubai One | 27500 |
| 11.804 | V | Dubai Racing Channel | 27500 |
| 11.804 | V | Dubai Sports. | 27500 |
| 11.804 | V | Dubai TV | 27500 |
| ● 11.804 | V | EURO D | 24440 |
| ● 11.804 | V | EURO STAR | 24440 |
| ● 11.804 | V | FB TV | 24440 |
| ● 11.804 | V | FIX TV | 24440 |
| ● 11.804 | V | GS TV | 24440 |
| 11.804 | V | MUSICPLUS | 27500 |
| 11.804 | V | NOJOOM 1 | 27500 |
| ● 11.804 | V | PLUS MUZIK | 24440 |
| 11.804 | V | Sama Dubai | 27500 |
| 11.804 | V | SHARQIYA | 27500 |
| 11.804 | V | Space Toon Arabic | 27500 |
| ● 11.804 | V | TNT | 24440 |
| 11.804 | V | ALSHARJAH RADIO | 27500 |
| ● 11.804 | V | BEST FM | 24440 |
| ● 11.804 | V | CNN TÜRK RADYO | 24440 |
| 11.804 | V | EDTV Radio E | 27500 |
| 11.804 | V | EDTV Radio 1 | 27500 |
| ● 11.804 | V | RADYO D | 24440 |
| ● 11.804 | V | RADYO MODA | 24440 |
| ● 11.804 | V | SLOW TÜRK | 24440 |
| ● 11.804 | V | {Empty Name} | 24440 |
| ● 11.804 | V | İSTANBUL FM | 24440 |
| 11.823 | V | AL MAGHRIBIA | 27500 |
| 11.823 | V | Al-Resala | 27500 |
| 11.823 | V | Alhurra | 27500 |
| 11.823 | V | AlThuraya | 27500 |
| 11.823 | V | Bahrain | 27500 |
| 11.823 | V | Kuwait | 27500 |
| 11.823 | V | Kuwait Sport & + | 27500 |
| 11.823 | V | Mehwer | 27500 |
| 11.823 | V | Oman | 27500 |
| 11.823 | V | PSC | 27500 |
| 11.823 | V | Sudan | 27500 |
| 11.823 | V | Syria | 27500 |
| 11.823 | V | Test | 27500 |
| 11.823 | V | KW Radio | 27500 |
| 11.823 | V | Kw Sp Radio | 27500 |
| 11.823 | V | NEW FM Oman | 27500 |
| 11.823 | V | Oman -Quran | 27500 |
| 11.823 | V | Oman Arabic Radio | 27500 |
| 11.823 | V | Oman English Radio | 27500 |
| 11.823 | V | Syria R1 | 27500 |
| 11.823 | V | Syria R2 | 27500 |
| 11.823 | V | Syria R3 | 27500 |
| ● 11.830 | V | KANAL7 INT | 7200 |
| ● 11.830 | V | TEST | 7200 |
| ● 11.830 | V | tvt | 7200 |
| ● 11.830 | V | ULKE TV | 7200 |
| ● 11.830 | V | ,,, | 7200 |
| ● 11.830 | V | ; | 7200 |
| ● 11.830 | V | RADYO 7 | 7200 |
| 11.836 | H | Nile Drama | 27500 |
| 11.836 | H | Nile Sport | 27500 |
| 11.836 | H | Nile Variety | 27500 |
| 11.836 | H | AL Saha 2 | 27500 |
| 11.836 | H | AlJamahirya | 27500 |
| 11.836 | H | Cham TV | 27500 |
| 11.836 | H | Dream2 | 27500 |
| 11.836 | H | Fashion | 27500 |
| 11.836 | H | FUNoon | 27500 |
| 11.836 | H | Nile Culture | 27500 |
| 11.836 | H | Nile Family | 27500 |
| 11.836 | H | Nile News | 27500 |
| 11.836 | H | Sowalif | 27500 |
| 11.836 | H | Tanweer | 27500 |
| 11.836 | H | Al bernameg AL theka | 27500 |
| 11.836 | H | ALWadi ALGaded | 27500 |
| 11.836 | H | ART Radio | 27500 |
| 11.836 | H | Aswan | 27500 |
| 11.836 | H | Bakous Alexandaria | 27500 |
| 11.836 | H | BBC (A) | 27500 |
| 11.836 | H | BBC (E) | 27500 |
| 11.836 | H | Mawagahat-6 | 27500 |
| 11.836 | H | Mowagahat-1 | 27500 |
| 11.836 | H | Mowagahat-2 | 27500 |
| 11.836 | H | Mowagahat-8 | 27500 |
| 11.836 | H | Radio Farda | 27500 |
| 11.836 | H | Radio Sawa Iraq | 27500 |
| 11.836 | H | Radio Sawa Levant | 27500 |
| 11.836 | H | Radio Sawa Sudan | 27500 |
| 11.836 | H | Radio VOA Iraq | 27500 |
| 11.836 | H | RMC MO | 27500 |
| 11.836 | H | Umdorman Radio | 27500 |
| ● 11.843 | H | ANIMAL PLANET | 27500 |
| ● 11.843 | H | CNN INTERNATIONAL | 27500 |
| ● 11.843 | H | COMEDY SMART | 27500 |
| ● 11.843 | H | DISCOVERY CHANNEL | 27500 |

| Freq GHz | Pol | Channel Name | Symbol rate |
|---|---|---|---|
| ● 11.843 | H | ESPN CLASSIC | 27500 |
| ● 11.843 | H | EUROSPORT | 27500 |
| ● 11.843 | H | SCIENCE | 27500 |
| ● 11.843 | H | TRAVEL & LIVING | 27500 |
| ● 11.843 | H | WORLD | 27500 |
| ● 11.843 | H | CARTOON NETWORK | 27500 |
| ● 11.843 | H | D SHOPPING | 27500 |
| ● 11.843 | H | FASHION TV | 27500 |
| ● 11.843 | H | KANAL D | 27500 |
| ● 11.843 | H | STAR TV | 27500 |
| ● 11.843 | H | TV 35 | 27500 |
| ● 11.844 | V | _CLUP_TV | 4444 |
| ● 11.844 | V | _Taraftar_TV | 4444 |
| ● 11.844 | V | AKILLI_TV | 4444 |
| ● 11.844 | V | Smart | 4444 |
| ● 11.845 | V | _CLUP_TV | 4444 |
| ● 11.845 | V | _Taraftar_TV | 4444 |
| ● 11.845 | V | AKILLI_TV | 4444 |
| ● 11.845 | V | Smart | 4444 |
| ● 11.857 | V | TGRT EU | 3150 |
| ● 11.857 | V | TGRT FM | 3150 |
| ● 11.862 | H | ANIMAL PLANET | 27500 |
| ● 11.862 | H | CNN INTERNATIONAL | 27500 |
| ● 11.862 | H | COMEDY SMART | 27500 |
| ● 11.862 | H | DISCOVERY CHANNEL | 27500 |
| 11.862 | V | Disney Channel | 27500 |
| 11.862 | V | E! Entertainment | 27500 |
| ● 11.862 | H | ESPN CLASSIC | 27500 |
| ● 11.862 | H | EUROSPORT | 27500 |
| 11.862 | V | JimJam/Extreme | 27500 |
| 11.862 | V | Nat Geo Wild | 27500 |
| ● 11.862 | H | SCIENCE | 27500 |
| 11.862 | V | ShowComedy Xtra | 27500 |
| 11.862 | V | ShowShasha | 27500 |
| 11.862 | V | ShowShasha Extra | 27500 |
| ● 11.862 | H | TRAVEL & LIVING | 27500 |
| ● 11.862 | H | WORLD | 27500 |
| 11.862 | V | Al Waha | 27500 |
| ● 11.862 | H | CARTOON NETWORK | 27500 |
| 11.862 | V | Chatco | 27500 |
| 11.862 | V | City 7 TV | 27500 |
| ● 11.862 | H | D SHOPPING | 27500 |
| ● 11.862 | H | FASHION TV | 27500 |
| ● 11.862 | H | KANAL D | 27500 |
| 11.862 | V | Nojoom 3 | 27500 |
| 11.862 | V | ShowToday | 27500 |
| ● 11.862 | H | STAR TV | 27500 |
| ● 11.862 | H | TV 35 | 27500 |
| 11.862 | V | TXT | 27500 |
| 11.862 | V | Arabic EPG | 27500 |
| ● 11.870 | V | TV8 | 8888 |
| ● 11.881 | H | ANIMAL PLANET | 27500 |
| ● 11.881 | H | CNN INTERNATIONAL | 27500 |
| ● 11.881 | H | COMEDY SMART | 27500 |
| ● 11.881 | H | DISCOVERY CHANNEL | 27500 |
| ● 11.881 | H | ESPN CLASSIC | 27500 |
| ● 11.881 | H | EUROSPORT | 27500 |
| ● 11.881 | H | SCIENCE | 27500 |
| ● 11.881 | H | TRAVEL & LIVING | 27500 |
| ● 11.881 | H | WORLD | 27500 |
| ● 11.881 | H | CARTOON NETWORK | 27500 |
| ● 11.881 | H | D SHOPPING | 27500 |
| ● 11.881 | H | FASHION TV | 27500 |
| ● 11.881 | H | KANAL D | 27500 |
| ● 11.881 | H | STAR TV | 27500 |
| ● 11.881 | H | TV 35 | 27500 |
| 11.882 | V | BERAT | 2955 |
| 11.882 | V | HALAY | 2955 |
| 11.882 | V | Kanal Avrupa | 2955 |
| ● 11.885 | H | AVRASYA TV | 2960 |
| ● 11.897 | H | KaradenizTV | 2420 |
| ● 11.897 | H | KaradenizFM | 2420 |
| 11.900 | V | BERAT | 27500 |
| 11.900 | V | HALAY | 27500 |
| 11.900 | V | Kanal Avrupa | 27500 |
| ● 11.906 | H | samanyolu.tv | 4800 |
| ● 11.906 | H | Burc FM | 4800 |
| ● 11.906 | H | Dunya Radyo | 4800 |
| ● 11.906 | H | SHaber Radyo | 4800 |
| ● 11.919 | H | EUROSPORT HD | 27500 |
| ● 11.919 | H | DISCOVERY HD | 27500 |
| ● 11.919 | H | HDTV SMART | 27500 |
| ● 11.919 | H | KANAL D HD | 27500 |
| ● 11.919 | H | DREAM TV | 27500 |
| ● 11.919 | H | KIDSCO | 27500 |
| ● 11.919 | H | LULİ | 27500 |
| ● 11.919 | H | NASN | 27500 |
| 11.919 | V | BERAT | 27500 |
| 11.919 | V | HALAY | 27500 |
| 11.919 | V | Kanal Avrupa | 27500 |
| ● 11.924 | H | BUSINESS | 3333 |
| 11.929 | H | CEM TV | 2962 |
| 11.929 | H | CEM RADYO 96.4 | 2962 |
| 11.933 | H | SU TV | 2155 |
| 11.936 | H | KaradenizTV | 2222 |
| 11.936 | H | KaradenizFM | 2222 |
| ● 11.938 | H | DISCOVERY HD | 27500 |
| ● 11.938 | H | EUROSPORT HD | 27500 |
| ● 11.938 | H | KANAL D HD | 27500 |
| ● 11.938 | H | HDTV SMART | 27500 |
| ● 11.938 | H | DREAM TV | 27500 |
| ● 11.938 | H | KIDSCO | 27500 |
| ● 11.938 | H | LULİ | 27500 |
| ● 11.938 | H | NASN | 27500 |
| 11.938 | V | BERAT | 27500 |
| 11.938 | V | HALAY | 27500 |
| 11.938 | V | Kanal Avrupa | 27500 |
| ● 11.939 | H | DISCOVERY HD | 27500 |
| ● 11.939 | H | HDTV SMART | 27500 |
| ● 11.939 | H | KANAL D HD | 27500 |
| ● 11.939 | H | EUROSPORT HD | 27500 |
| ● 11.939 | H | DREAM TV | 27500 |
| ● 11.939 | H | KIDSCO | 27500 |
| ● 11.939 | H | LULİ | 27500 |
| ● 11.939 | H | NASN | 27500 |
| 11.943 | V | BERAT | 2950 |
| 11.943 | V | HALAY | 2950 |
| 11.943 | V | Kanal Avrupa | 2950 |
| ● 11.944 | V | Hamsi.tv | 2222 |
| ● 11.944 | V | KANAL B | 4444 |
| 11.945 | H | NUMBER ONE TV | 4444 |
| 11.945 | H | TURKSAT TANITIM | 4444 |
| 11.945 | H | NUMBER ONE FM | 4444 |
| 11.945 | H | POLIS RADYOSU | 4444 |
| 11.945 | H | RADYO KLAS | 4444 |
| 11.945 | H | RADYO MYDONOSE | 4444 |
| ● 11.953 | V | KIBRIS GENC TV | 2980 |
| ● 11.953 | V | MMC TURK | 2980 |
| ● 11.953 | V | CYS FEED | 2980 |
| ● 11.953 | V | FIRST FM | 2980 |
| ● 11.954 | H | DISCOVERY HD | 27500 |
| ● 11.954 | H | KANAL D HD | 27500 |
| ● 11.954 | H | EUROSPORT HD | 27500 |
| ● 11.954 | H | HDTV SMART | 27500 |
| ● 11.954 | H | DREAM TV | 27500 |
| ● 11.954 | H | KIDSCO | 27500 |
| ● 11.954 | H | LULİ | 27500 |
| ● 11.954 | H | NASN | 27500 |
| ● 11.957 | H | DISCOVERY HD | 27500 |
| ● 11.957 | H | EUROSPORT HD | 27500 |
| ● 11.957 | H | HDTV SMART | 27500 |
| ● 11.957 | H | KANAL D HD | 27500 |
| ● 11.957 | H | DREAM TV | 27500 |
| ● 11.957 | H | KIDSCO | 27500 |
| ● 11.957 | H | LULİ | 27500 |
| ● 11.957 | H | NASN | 27500 |
| ● 11.957 | V | AVRASYA-TV | 2960 |
| ● 11.957 | V | Radyo ***** | 2960 |
| ● 11.964 | H | ALEM FM | 5925 |
| ● 11.964 | H | SHOW TV | 5925 |
| 11.970 | H | ANIMAL PLANET | 17500 |
| 11.970 | H | CNN INTERNATIONAL | 17500 |
| 11.970 | H | COMEDY SMART | 17500 |
| 11.970 | H | DISCOVERY CHANNEL | 17500 |
| 11.970 | H | EUROSPORT | 17500 |
| 11.970 | H | MOVIE SMART | 17500 |
| 11.970 | H | MOVIES 24 | 17500 |
| 11.970 | H | MOVIES 24 EROTICA | 17500 |
| 11.970 | H | SCIENCE | 17500 |
| 11.970 | H | TRAVEL & LIVING | 17500 |
| 11.970 | H | WORLD | 17500 |
| 11.970 | H | FASHION TV | 17500 |
| ● 11.972 | H | FOX | 7200 |
| 11.973 | V | BERAT | 27500 |
| ● 11.973 | H | FOX | 7200 |

| Freq GHz | Pol | Channel Name | Symbol rate |
|---|---|---|---|
| 11.973 | V | HALAY | 27500 |
| 11.973 | V | Kanal Avrupa | 27500 |
| 11.976 | V | BERAT | 27500 |
| 11.976 | V | HALAY | 27500 |
| 11.976 | V | Kanal Avrupa | 27500 |
| ● 11.981 | H | TGRT Haber | 5200 |
| ● 11.981 | H | TGRT Pazarlama | 5200 |
| ● 11.981 | H | TGRT FM | 5200 |
| ● 11.981 | H | {Empty Name} | 5200 |
| 11.983 | H | Nickelodeon | 4000 |
| 11.983 | H | MTV TURKIYE | 4000 |
| ● 11.991 | H | KANALTÜRK | 3125 |
| ● 11.991 | H | KANALTÜRK RADYO | 3125 |
| 11.996 | H | ShowComedy | 27500 |
| 11.996 | H | ShowMovies 1 | 27500 |
| 11.996 | H | ShowMovies 2 | 27500 |
| 11.996 | H | ShowMovies Act | 27500 |
| 11.996 | H | ShowMovies Com | 27500 |
| 11.996 | H | ShowMovies Fam | 27500 |
| 11.996 | H | ShowSeries | 27500 |
| 11.996 | H | ShowSeries Extra | 27500 |
| 11.996 | H | Showsports 1 | 27500 |
| 11.996 | H | Showsports 2 | 27500 |
| 11.996 | H | Showsports 3 | 27500 |
| 11.996 | H | Showsports 4 | 27500 |
| ● 11.996 | H | BASKENT-AB TV | 27500 |
| ● 11.996 | H | BENGUTURK | 27500 |
| ● 11.996 | H | BUSINESS CHANNEL | 27500 |
| ● 11.996 | H | KANAL 13 | 27500 |
| ● 11.996 | H | MORAL TV | 27500 |
| ● 11.996 | H | TURKSAT TEST 1 | 27500 |
| ● 11.996 | H | TURKSAT TEST 2 | 27500 |
| ● 11.996 | H | TURKSAT TEST 3 | 27500 |
| ● 11.996 | H | TURKSAT TEST 4 | 27500 |
| ● 11.996 | H | TURKSAT TEST 5 | 27500 |
| ● 11.996 | H | TURKSAT TEST 6 | 27500 |
| ● 11.996 | H | TURKSAT TEST 7 | 27500 |
| ● 12.015 | H | BASKENT-AB TV | 27500 |
| ● 12.015 | H | BENGUTURK | 27500 |
| 12.015 | V | BERAT | 27500 |
| ● 12.015 | H | BUSINESS CHANNEL | 27500 |
| 12.015 | V | HALAY | 27500 |
| ● 12.015 | H | KANAL 13 | 27500 |
| 12.015 | V | Kanal Avrupa | 27500 |
| ● 12.015 | H | MORAL TV | 27500 |
| ● 12.015 | H | TURKSAT TEST 1 | 27500 |
| ● 12.015 | H | TURKSAT TEST 2 | 27500 |
| ● 12.015 | H | TURKSAT TEST 3 | 27500 |
| ● 12.015 | H | TURKSAT TEST 4 | 27500 |
| ● 12.015 | H | TURKSAT TEST 5 | 27500 |
| ● 12.015 | H | TURKSAT TEST 6 | 27500 |
| ● 12.015 | H | TURKSAT TEST 7 | 27500 |
| ● 12.034 | H | BASKENT-AB TV | 27500 |
| ● 12.034 | H | BENGUTURK | 27500 |
| ● 12.034 | H | BUSINESS CHANNEL | 27500 |
| ● 12.034 | H | KANAL 13 | 27500 |
| ● 12.034 | H | MORAL TV | 27500 |
| ● 12.034 | H | TURKSAT TEST 1 | 27500 |
| ● 12.034 | H | TURKSAT TEST 2 | 27500 |
| ● 12.034 | H | TURKSAT TEST 3 | 27500 |
| ● 12.034 | H | TURKSAT TEST 4 | 27500 |
| ● 12.034 | H | TURKSAT TEST 5 | 27500 |
| ● 12.034 | H | TURKSAT TEST 6 | 27500 |
| ● 12.034 | H | TURKSAT TEST 7 | 27500 |
| 12.053 | V | BERAT | 27500 |
| 12.053 | V | HALAY | 27500 |
| 12.053 | V | Kanal Avrupa | 27500 |
| 12.072 | H | BBC Food | 27500 |
| 12.072 | H | Boomerang | 27500 |
| 12.072 | H | Cartoon Network | 27500 |
| 12.072 | H | CNBC Europe | 27500 |
| 12.072 | H | Hallmark | 27500 |
| 12.072 | H | MTV Music | 27500 |
| 12.072 | H | Show Kids | 27500 |
| 12.072 | H | Style Network | 27500 |
| 12.072 | H | T433 | 27500 |
| 12.072 | H | TCM | 27500 |
| 12.072 | H | Travel Channel | 27500 |
| 12.072 | H | Vh1 | 27500 |
| 12.072 | H | CNN | 27500 |
| 12.073 | H | BBC Food | 27500 |
| 12.073 | H | Boomerang | 27500 |
| 12.073 | H | Cartoon Network | 27500 |
| 12.073 | H | CNBC Europe | 27500 |
| 12.073 | H | Hallmark | 27500 |
| 12.073 | H | MTV Music | 27500 |
| 12.073 | H | Show Kids | 27500 |
| 12.073 | H | Style Network | 27500 |
| 12.073 | H | T433 | 27500 |
| 12.073 | H | TCM | 27500 |
| 12.073 | H | Travel Channel | 27500 |
| 12.073 | H | Vh1 | 27500 |
| 12.073 | H | CNN | 27500 |
| ● 12.111 | V | AKS TV | 27500 |
| ● 12.111 | V | HALK TV | 27500 |
| ● 12.111 | V | HAMSI TV | 27500 |
| ● 12.111 | V | KACKAR TV | 27500 |
| ● 12.111 | V | KANAL 67 | 27500 |
| ● 12.111 | V | KON TV | 27500 |
| ● 12.111 | V | KRAL KARADENIZ | 27500 |
| ● 12.111 | V | SHOPPING TV | 27500 |
| ● 12.111 | V | TEKIN AKDENIZ TV | 27500 |
| ● 12.111 | V | TOPRAK TV | 27500 |
| ● 12.111 | V | TURKSAT TEST | 27500 |
| ● 12.111 | V | ULUSAL KANAL | 27500 |
| ● 12.111 | V | YILDIZ TV | 27500 |
| ● 12.111 | V | IMAJ RADYO | 27500 |
| ● 12.111 | V | KACKAR FM | 27500 |
| ● 12.111 | V | KRALTURK | 27500 |
| ● 12.111 | V | RIBAT FM | 27500 |
| ● 12.111 | V | RIZENIN SESI | 27500 |
| ● 12.111 | V | YON FM | 27500 |
| 12.127 | H | Blinko TV | 7410 |
| 12.127 | H | Denge TV | 7410 |
| 12.127 | H | Ekin TV | 7410 |
| 12.127 | H | Esin TV | 7410 |
| 12.127 | H | ILAN TV | 7410 |
| 12.127 | H | IMAN TV | 7410 |
| 12.127 | H | iPlay | 7410 |
| 12.127 | H | Kanal 6 | 7410 |
| ● 12.129 | H | Nickelodeon | 4000 |
| ● 12.129 | H | MTV TURKIYE | 4000 |
| ● 12.130 | V | AKS TV | 27500 |
| ● 12.130 | V | HALK TV | 27500 |
| ● 12.130 | V | HAMSI TV | 27500 |
| ● 12.130 | V | KACKAR TV | 27500 |
| ● 12.130 | V | KANAL 67 | 27500 |
| ● 12.130 | V | KON TV | 27500 |
| ● 12.130 | V | KRAL KARADENIZ | 27500 |
| ● 12.130 | V | SHOPPING TV | 27500 |
| ● 12.130 | V | TEKIN AKDENIZ TV | 27500 |
| ● 12.130 | V | TOPRAK TV | 27500 |
| ● 12.130 | V | TURKSAT TEST | 27500 |
| ● 12.130 | V | ULUSAL KANAL | 27500 |
| ● 12.130 | V | YILDIZ TV | 27500 |
| ● 12.130 | V | IMAJ RADYO | 27500 |
| ● 12.130 | V | KACKAR FM | 27500 |
| ● 12.130 | V | KRALTURK | 27500 |
| ● 12.130 | V | RIBAT FM | 27500 |
| ● 12.130 | V | RIZENIN SESI | 27500 |
| ● 12.130 | V | YON FM | 27500 |
| ● 12.133 | V | TGRT EU | 3150 |
| ● 12.133 | V | TGRT FM | 3150 |
| 12.134 | V | TGRT EU | 3150 |
| 12.134 | V | TGRT FM | 3150 |
| 12.137 | V | FOXTURK | 2815 |
| ● 12.137 | V | TEST CARD | 2815 |
| ● 12.142 | V | DTV | 2177 |
| ● 12.149 | V | AKS TV | 27500 |
| 12.149 | H | Al-EKhbaria | 27500 |
| ● 12.149 | V | HALK TV | 27500 |
| ● 12.149 | V | HAMSI TV | 27500 |
| ● 12.149 | V | KACKAR TV | 27500 |
| ● 12.149 | V | KANAL 67 | 27500 |
| ● 12.149 | V | KON TV | 27500 |
| ● 12.149 | V | KRAL KARADENIZ | 27500 |
| 12.149 | H | Saudi Sport | 27500 |
| 12.149 | H | Saudi TV | 27500 |
| 12.149 | H | Saudi-1 | 27500 |
| 12.149 | H | Saudi-2 | 27500 |
| ● 12.149 | V | SHOPPING TV | 27500 |
| ● 12.149 | V | TEKIN AKDENIZ TV | 27500 |
| ● 12.149 | V | TOPRAK TV | 27500 |
| ● 12.149 | V | TURKSAT TEST | 27500 |
| ● 12.149 | V | ULUSAL KANAL | 27500 |

| Freq GHz | Pol | Channel Name | Symbol rate |
|---|---|---|---|
| ● 12.149 | V | YILDIZ TV | 27500 |
| 12.149 | H | European | 27500 |
| 12.149 | H | Holy Quran | 27500 |
| ● 12.149 | V | IMAJ RADYO | 27500 |
| ● 12.149 | V | KACKAR FM | 27500 |
| ● 12.149 | V | KRALTURK | 27500 |
| 12.149 | H | Radio-5 | 27500 |
| ● 12.149 | V | RIBAT FM | 27500 |
| ● 12.149 | V | RIZENIN SESI | 27500 |
| 12.149 | H | Saudi Radio-1 | 27500 |
| 12.149 | H | Saudi Radio-2 | 27500 |
| ● 12.149 | V | YON FM | 27500 |
| 12.169 | H | Al-EKhbaria | 27500 |
| 12.169 | H | Saudi Sport | 27500 |
| 12.169 | H | Saudi TV | 27500 |
| 12.169 | H | Saudi-1 | 27500 |
| 12.169 | H | Saudi-2 | 27500 |
| 12.169 | H | European | 27500 |
| 12.169 | H | Holy Quran | 27500 |
| 12.169 | H | Radio-5 | 27500 |
| 12.169 | H | Saudi Radio-1 | 27500 |
| 12.169 | H | Saudi Radio-2 | 27500 |
| 12.206 | V | BERAT | 27500 |
| 12.206 | V | HALAY | 27500 |
| 12.206 | V | Kanal Avrupa | 27500 |
| 12.225 | H | AGHANI TV | 27500 |
| 12.225 | H | Ajman TV | 27500 |
| 12.225 | H | AL DEERA TV | 27500 |
| 12.225 | H | ANB TV | 27500 |
| 12.225 | H | ARABIAN TRAVEL TV | 27500 |
| 12.225 | H | Awtar TV | 27500 |
| 12.225 | H | BOROUZ TV | 27500 |
| 12.225 | H | FAWASEL TV | 27500 |
| 12.225 | H | GEAR ONE | 27500 |
| 12.225 | H | Infinity TV | 27500 |
| 12.225 | H | Libra TV | 27500 |
| 12.225 | H | NOJOOM 2 | 27500 |
| 12.225 | H | NOJOOM 4 | 27500 |
| 12.225 | H | AJMAN CH 4 FM | 27500 |
| 12.226 | H | AGHANI TV | 27500 |
| 12.226 | H | Ajman TV | 27500 |
| 12.226 | H | AL DEERA TV | 27500 |
| 12.226 | H | ANB TV | 27500 |
| 12.226 | H | ARABIAN TRAVEL TV | 27500 |
| 12.226 | H | Awtar TV | 27500 |
| 12.226 | V | BERAT | 27500 |
| 12.226 | H | BOROUZ TV | 27500 |
| 12.226 | H | FAWASEL TV | 27500 |
| 12.226 | H | GEAR ONE | 27500 |
| 12.226 | V | HALAY | 27500 |
| 12.226 | H | Infinity TV | 27500 |
| 12.226 | V | Kanal Avrupa | 27500 |
| 12.226 | H | Libra TV | 27500 |
| 12.226 | H | NOJOOM 2 | 27500 |
| 12.226 | H | NOJOOM 4 | 27500 |
| 12.226 | H | AJMAN CH 4 FM | 27500 |
| 12.245 | H | AGHANI TV | 27500 |
| 12.245 | H | Ajman TV | 27500 |
| 12.245 | H | AL DEERA TV | 27500 |
| 12.245 | H | ANB TV | 27500 |
| 12.245 | H | ARABIAN TRAVEL TV | 27500 |
| 12.245 | H | Awtar TV | 27500 |
| 12.245 | H | BOROUZ TV | 27500 |
| 12.245 | H | FAWASEL TV | 27500 |
| 12.245 | H | GEAR ONE | 27500 |
| 12.245 | H | Infinity TV | 27500 |
| 12.245 | H | Libra TV | 27500 |
| 12.245 | H | NOJOOM 2 | 27500 |
| 12.245 | H | NOJOOM 4 | 27500 |
| 12.245 | H | AJMAN CH 4 FM | 27500 |
| 12.283 | V | BERAT | 27500 |
| 12.283 | V | HALAY | 27500 |
| 12.283 | V | Kanal Avrupa | 27500 |
| 12.284 | V | BERAT | 27500 |
| 12.284 | V | HALAY | 27500 |
| 12.284 | V | Kanal Avrupa | 27500 |
| 12.302 | H | FEED1 | 27500 |
| 12.302 | H | Kairali | 27500 |
| 12.302 | H | NEOSP | 27500 |
| 12.302 | H | Shara1 | 27500 |
| 12.302 | H | A1TV | 27500 |
| 12.302 | H | Al Diyar | 27500 |
| 12.302 | H | ALHAKEKA | 27500 |
| 12.302 | H | Dawn News | 27500 |
| 12.302 | H | FutureTV | 27500 |
| 12.302 | H | ISHTAR TV | 27500 |
| 12.302 | H | LBC EU | 27500 |
| 12.302 | H | Live TV | 27500 |
| 12.302 | H | Nourmina | 27500 |
| 12.302 | H | Seven Stars | 27500 |
| 12.302 | H | Spare | 27500 |
| 12.302 | H | Rotana Radio Jordan | 27500 |
| 12.303 | V | BERAT | 27500 |
| 12.303 | V | HALAY | 27500 |
| 12.303 | V | Kanal Avrupa | 27500 |
| 12.322 | H | FEED1 | 27500 |
| 12.322 | H | Kairali | 27500 |
| 12.322 | H | NEOSP | 27500 |
| 12.322 | H | Shara1 | 27500 |
| 12.322 | H | A1TV | 27500 |
| 12.322 | H | Al Diyar | 27500 |
| 12.322 | H | ALHAKEKA | 27500 |
| 12.322 | H | Dawn News | 27500 |
| 12.322 | H | FutureTV | 27500 |
| 12.322 | H | ISHTAR TV | 27500 |
| 12.322 | H | LBC EU | 27500 |
| 12.322 | H | Live TV | 27500 |
| 12.322 | H | Nourmina | 27500 |
| 12.322 | H | Seven Stars | 27500 |
| 12.322 | H | Spare | 27500 |
| 12.322 | H | Rotana Radio Jordan | 27500 |
| 12.341 | V | BERAT | 27500 |
| 12.341 | V | HALAY | 27500 |
| 12.341 | V | Kanal Avrupa | 27500 |
| 12.360 | H | A LPHA Shop | 27500 |
| 12.360 | H | Al Badeel | 27500 |
| 12.360 | H | Al Hafez | 27500 |
| 12.360 | H | Al Mowselya TV | 27500 |
| 12.360 | H | ALLIBIYA | 27500 |
| 12.360 | H | ALSALAM | 27500 |
| 12.360 | H | ANN TV | 27500 |
| 12.360 | H | DIJLA | 27500 |
| 12.360 | H | LIBYA AL-RIADHIA | 27500 |
| 12.360 | H | LIBYA AL-RIADHIA | 27500 |
| 12.360 | H | Panorama Drama | 27500 |
| 12.360 | H | SCOPE Tv | 27500 |
| 12.360 | H | Smash TV | 27500 |
| 12.360 | H | Test | 27500 |
| 12.360 | H | ALLIBIYA FM1 | 27500 |
| 12.360 | H | AlSalam Radio | 27500 |
| 12.380 | V | BERAT | 27500 |
| 12.380 | V | HALAY | 27500 |
| 12.380 | V | Kanal Avrupa | 27500 |
| 12.399 | H | AL-Adalah | 27500 |
| 12.399 | H | ALHURRIA TV | 27500 |
| 12.399 | H | ALJamahereya ALLib | 27500 |
| 12.399 | H | ALMasar TV | 27500 |
| 12.399 | H | AlMawadah | 27500 |
| 12.399 | H | AlMawadah TV | 27500 |
| 12.399 | H | Ghinaeya | 27500 |
| 12.399 | H | Kurdistan TV | 27500 |
| 12.399 | H | Lebanon TV | 27500 |
| 12.399 | H | OTV | 27500 |
| 12.399 | H | Qamar-Kh | 27500 |
| 12.399 | H | Qatar Festival | 27500 |
| 12.399 | H | TSN | 27500 |
| 12.399 | H | TURKMEN TV | 27500 |
| 12.399 | H | Venus TV | 27500 |
| 12.399 | H | ALJamahereya R | 27500 |
| 12.535 | H | HALK TV | 2962 |
| 12.558 | V | BERAT | 27500 |
| 12.558 | V | HALAY | 27500 |
| 12.558 | V | Kanal Avrupa | 27500 |
| ● 12.592 | H | Cine5 | 8888 |
| ● 12.592 | H | Gala | 8888 |
| ● 12.592 | H | Supersport | 8888 |
| ● 12.592 | H | Viva | 8888 |
| ● 12.592 | H | Nostalji TURK | 8888 |
| ● 12.592 | H | Radyo Viva | 8888 |
| ● 12.592 | H | Radyo5 | 8888 |
| ● 12.592 | H | Show Radyo | 8888 |
| ● 12.593 | H | Cine5 | 8888 |
| ● 12.593 | H | Gala | 8888 |
| ● 12.593 | V | Rustavi 2 | 2500 |
| ● 12.593 | H | Supersport | 8888 |

**TV** Digital
**Radio** Digital
**TV** Digital Crypt
**Radio** Digital Crypt
**TV** High Definition
**TV** High Definition Crypt

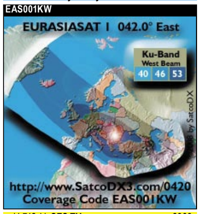
| Freq GHz | Pol | Channel Name | Symbol rate |
|---|---|---|---|
| ●12.593 | H | Viva | 8888 |
| ●12.593 | H | Nostalji TURK | 8888 |
| ●12.593 | H | Radyo Viva | 8888 |
| ●12.593 | H | Radyo5 | 8888 |
| ●12.593 | H | Show Radyo | 8888 |
| ●12.594 | V | Rustavi 2 | 2500 |
| 12.597 | V | BERAT | 27500 |
| 12.597 | V | HALAY | 27500 |
| 12.597 | V | Kanal Avrupa | 27500 |
| ●12.601 | H | KANAL A | 4400 |
| ●12.601 | H | Radyo A | 4400 |
| ●12.602 | H | KANAL A | 4400 |
| ●12.602 | H | Radyo A | 4400 |
| ●12.607 | H | OLAY TV & FM | 2950 |
| 12.609 | V | IMEDI TV | 3700 |
| ●12.615 | V | atv avrupa | 4800 |
| ●12.615 | V | TURKUVAZ | 4800 |
| ●12.615 | V | . | 4800 |
| ●12.615 | V | atv radyo | 4800 |
| ●12.620 | V | YENI ASIR TV | 2400 |
| ●12.632 | V | MPL TV | 2222 |
| ●12.632 | V | MPL RADYO | 2222 |
| ●12.636 | V | KANAL BIZ | 3125 |
| 12.638 | V | BERAT | 2300 |
| 12.638 | V | HALAY | 2300 |
| 12.638 | V | Kanal Avrupa | 2300 |
| ●12.640 | V | EGE TV | 2400 |
| ●12.643 | H | Kral Avrupa | 4800 |
| ●12.643 | H | NTV BATI | 4800 |
| ●12.643 | H | Intercomm | 4800 |
| ●12.644 | V | TVNET | 2960 |
| ●12.644 | V | LALEGUL FM | 2960 |
| 12.647 | V | KACKAR TV | 3333 |
| 12.647 | V | Rize TV | 3600 |
| 12.647 | V | TEST | 3333 |
| 12.647 | V | TravelTurk | 3600 |
| 12.647 | V | YILDIZ TV | 3333 |
| 12.647 | V | KACKAR FM | 3333 |
| 12.647 | V | RIZENIN SESI | 3333 |
| 12.647 | V | TEST | 3333 |
| ●12.650 | H | SKYTURK | 4250 |
| 12.652 | V | HABERTURK TV | 3900 |
| 12.652 | V | YABAN TV | 3900 |
| 12.652 | V | Intercom | 3900 |
| ●12.656 | H | SHOW TURK | 4444 |
| 12.662 | V | D MAX | 9150 |
| 12.662 | V | DHA FEED | 9150 |
| 12.662 | V | MARC DORCEL | 9150 |
| 12.662 | V | PEMBE SMART | 9150 |
| 12.664 | V | BERAT | 2344 |
| 12.664 | V | HALAY | 2344 |
| 12.664 | V | Kanal Avrupa | 2344 |
| ●12.679 | V | 24 | 8888 |
| ●12.679 | V | STR | 8888 |
| ●12.679 | V | Radyo ABC | 8888 |
| ●12.685 | H | AKSU TV | 30000 |
| ●12.685 | H | G.ANTEP OLAY TV | 30000 |
| ●12.685 | H | HILAL TV | 30000 |
| ●12.685 | H | KANAL 35 | 30000 |
| ●12.685 | H | KANAL T | 30000 |
| ●12.685 | H | MAVI KARADENIZ | 30000 |
| ●12.685 | H | TEMPO TV | 30000 |
| ●12.685 | H | TURKSAT TEST 1 | 30000 |
| ●12.685 | H | TURKSAT TEST 2 | 30000 |
| ●12.685 | H | TURKSAT TEST 3 | 30000 |
| ●12.685 | H | TURKSAT TEST 4 | 30000 |
| ●12.685 | H | TURKSAT TEST 5 | 30000 |
| ●12.685 | H | TV 58 | 30000 |
| ●12.685 | H | VATAN TV | 30000 |
| ●12.685 | H | GOZYASI FM | 30000 |
| ●12.685 | H | SEYR FM | 30000 |
| ●12.686 | H | AKSU TV | 30000 |
| ●12.686 | H | G.ANTEP OLAY TV | 30000 |
| ●12.686 | H | HILAL TV | 30000 |
| ●12.686 | H | KANAL 35 | 30000 |
| ●12.686 | H | KANAL T | 30000 |
| ●12.686 | H | MAVI KARADENIZ | 30000 |
| ●12.686 | H | TEMPO TV | 30000 |
| ●12.686 | H | TURKSAT TEST 1 | 30000 |
| ●12.686 | H | TURKSAT TEST 2 | 30000 |
| ●12.686 | H | TURKSAT TEST 3 | 30000 |
| ●12.686 | H | TURKSAT TEST 4 | 30000 |
| ●12.686 | H | TURKSAT TEST 5 | 30000 |
| ●12.686 | H | TV 58 | 30000 |
| ●12.686 | H | VATAN TV | 30000 |
| ●12.686 | H | GOZYASI FM | 30000 |
| ●12.686 | H | SEYR FM | 30000 |
| 12.707 | H | 24 | 3900 |
| 12.719 | V | BERAT | 2950 |
| 12.719 | V | HALAY | 2950 |
| 12.719 | V | Kanal Avrupa | 2950 |
| ●12.729 | H | 6 NEWS | 30000 |
| ●12.729 | H | AIRPORT TV | 30000 |
| ●12.729 | H | ATA TV | 30000 |
| ●12.729 | H | BUSINESS CHANNEL | 30000 |
| ●12.729 | H | CEM TV | 30000 |
| ●12.729 | H | DOST TV | 30000 |
| ●12.729 | H | KADIRGA TV | 30000 |
| ●12.729 | H | MARMARA TV | 30000 |
| ●12.729 | H | MELTEM TV | 30000 |
| ●12.729 | H | MESAJ TV | 30000 |
| ●12.729 | H | OZLEM TV | 30000 |
| ●12.729 | H | SU TV | 30000 |
| ●12.729 | H | TURKSAT TANITIM | 30000 |
| ●12.729 | H | TV 5 | 30000 |
| ●12.729 | H | CEM RADYO 96.4 | 30000 |
| ●12.729 | H | MEDYA FM | 30000 |
| ●12.729 | H | MELTEM RADYO | 30000 |
| ●12.729 | H | POLIS RADYOSU | 30000 |
| ●12.729 | H | RADYO AS | 30000 |
| ●12.729 | H | RADYO ILAC | 30000 |
| ●12.729 | H | RADYO MYDONOSE | 30000 |

### TURKSAT 2A
**42.1 East**

EAS001KE

| Freq GHz | Pol | Channel Name | Symbol rate |
|---|---|---|---|
| 11.733 | H | Eurasiasat promo | 3291 |
| 11.733 | H | Polis Radyosu | 3291 |
| 11.757 | V | Avrasya-ANK | 2960 |
| 11.757 | V | CEM TV | 2960 |
| 11.757 | V | CEM RADYO 96.4 | 2960 |
| 11.759 | H | Show TV | 5925 |
| 11.763 | V | SU TV | 2155 |
| 11.788 | H | Palestine Channel | 2892 |
| 11.794 | H | STAR TV | 5632 |
| 11.800 | H | ANS TV | 2400 |
| 11.800 | H | ANS Ch.M. | 2400 |
| 11.820 | H | Avrasya TV | 3000 |
| 11.820 | H | Avrasya FM | 3000 |
| 11.892 | H | NBA TV | 12800 |
| 11.892 | H | CNBC-e | 12800 |
| 11.892 | H | e2 | 12800 |
| 11.892 | H | NTV | 12800 |
| 11.892 | H | N 101 | 12800 |
| 11.892 | H | NTV Radyo | 12800 |
| 11.892 | H | Radyo Eksen | 12800 |
| 11.892 | H | Rokket FM | 12800 |
| 11.905 | H | KANAL D | 6666 |
| 11.905 | H | Kanal D | 6666 |
| 11.905 | H | IFB&TEK1 | 6666 |
| 11.905 | H | IFB&TEK2 | 6666 |
| 11.905 | H | IFB&TEK3 | 6666 |
| 11.905 | H | IFB&TEK4 | 6666 |
| 11.905 | H | iPORTAL | 6666 |
| 11.905 | H | Radio Time | 6666 |
| 11.905 | H | Radyo D | 6666 |
| 11.905 | H | RADYO D | 6666 |
| 11.912 | H | Ayna TV | 3332 |
| 11.977 | H | CNBC-E | 27500 |
| 11.977 | H | DISCOVERY | 27500 |
| 11.977 | H | NBA | 27500 |
| 11.977 | H | NICKELODEON | 27500 |
| 11.977 | H | NTV | 27500 |
| 11.977 | H | KANAL 7 | 27500 |
| 11.977 | H | NR1 | 27500 |
| 12.002 | H | ATV Turkiye | 4800 |
| 12.008 | H | Kanal 1 | 4400 |
| 12.008 | H | Turk C | 4400 |
| 12.017 | H | TGRT | 8150 |
| 12.017 | H | TGRT Haber TV | 8150 |
| 12.017 | H | TGRT Pazarlama TV | 8150 |
| 12.017 | H | Blank audio channel | 8150 |
| 12.017 | H | TGRT FM | 8150 |
| 12.028 | H | Samanyolu TV | 4557 |
| 12.028 | H | Audio tests | 4557 |
| 12.028 | H | Burc FM | 4557 |
| 12.028 | H | Dunya Radyo | 4557 |

EAS001KW




| Freq GHz | Pol | Channel Name | Symbol rate |
|---|---|---|---|
| 11.712 | V | SES TV | 2963 |
| 11.717 | V | HILAL TV | 2222 |
| 11.717 | V | GÖZYAŞI FM | 2222 |
| 11.727 | V | ELMAX | 15555 |
| 11.727 | V | INTIMACY | 15555 |
| 11.727 | V | KANAL 1. | 15555 |
| 11.727 | V | LIG TV | 15555 |
| 11.727 | V | RETROMAX | 15555 |
| 11.727 | V | S'NEK | 15555 |
| 11.727 | V | TÜRKMAX | 15555 |
| 11.727 | V | İZ | 15555 |
| 11.727 | V | JOJO | 15555 |
| 11.727 | V | SHOWROOM | 15555 |
| 11.727 | V | MASAL RADYO | 15555 |
| 11.727 | V | POWER FM | 15555 |
| 11.727 | V | POWERTURK | 15555 |
| 11.727 | V | TEST | 15555 |
| 11.743 | V | CAY TV | 2222 |
| 11.765 | V | KaradenizTV | 2177 |
| 11.765 | V | SU TV | 2177 |
| 11.765 | V | KaradenizFM | 2177 |
| 11.765 | V | MÜJDEFM EGE | 2177 |
| 11.765 | V | Radyo EKÝN | 2177 |
| 11.765 | V | RADYO VATAN | 2177 |
| 11.773 | V | Dost TV | 2420 |
| 11.779 | V | Manolya TV | 6250 |
| 11.779 | V | TEST | 6250 |
| 11.779 | V | TGRT EU | 6250 |
| 11.779 | V | TGRT FM | 6250 |
| 11.804 | V | DHA FEED | 24444 |
| 11.804 | V | MOVIE SMART | 24444 |
| 11.804 | V | PASSION TV | 24444 |
| 11.804 | V | BJK TV | 24444 |
| 11.804 | V | CNN TURK | 24444 |
| 11.804 | V | CNN TÜRK | 24444 |
| 11.804 | V | DHA FEED | 24444 |
| 11.804 | V | DREAM TURK | 24444 |
| 11.804 | V | DREAM TV | 24444 |
| 11.804 | V | DREAM TÜRK | 24444 |
| 11.804 | V | EURO D | 24444 |
| 11.804 | V | EURO STAR | 24444 |
| 11.804 | V | FB TV | 24444 |
| 11.804 | V | FIX TV | 24444 |
| 11.804 | V | GS TV | 24444 |
| 11.804 | V | MAX TV | 24444 |
| 11.804 | V | MMC Euroturk | 24444 |
| 11.804 | V | POWERTURK TV | 24444 |
| 11.804 | V | POWERTÜRK TV | 24444 |
| 11.804 | V | IFB-TEK 1 V POL | 24444 |
| 11.804 | V | IFB-TEK 2 V POL | 24444 |
| 11.804 | V | IFB-TEK 3 V POL | 24444 |
| 11.804 | V | IFB-TEK 4 V POL | 24444 |
| 11.804 | V | RADIO TEST | 24444 |
| 11.804 | V | BEST FM | 24444 |
| 11.804 | V | CNN TURK RADIO | 24444 |
| 11.804 | V | CNN TÜRK RADYO | 24444 |
| 11.804 | V | FENOMEN | 24444 |
| 11.804 | V | istanbul FM | 24444 |
| 11.804 | V | POWER XL | 24444 |
| 11.804 | V | RADYO D | 24444 |
| 11.804 | V | RADYO TIME | 24444 |
| 11.804 | V | SLOW TURK | 24444 |
| 11.804 | V | SLOW TÜRK | 24444 |
| 11.804 | V | İSTANBUL FM | 24444 |
| 11.839 | V | TURKMEN TV | 4444 |
| 11.846 | V | TV5 | 3333 |
| 11.852 | V | MaviAkdeniz | 4444 |
| 11.852 | V | S TEST | 4444 |
| 11.852 | V | Smart | 4444 |
| 11.857 | V | Tatlises TV | 2400 |
| 11.867 | V | KANAL B | 4444 |
| 11.874 | V | Meltem TV | 3400 |
| 11.874 | V | FM | 3400 |
| 11.874 | V | Meltem Radyo | 3400 |
| 11.874 | V | Radyo | 3400 |
| 11.874 | V | Radyo Ilac | 3400 |
| 11.877 | V | mesaj tv | 2598 |
| 11.882 | V | KANAL AVRUPA | 2965 |
| 11.887 | V | T------ S----- | 3333 |
| 11.892 | V | Avrasya-ANK | 2960 |
| 11.892 | V | Radyo BANKO | 2960 |
| 11.923 | V | TRT 1 | 24440 |
| 11.923 | V | TRT 2 | 24440 |
| 11.923 | V | TRT 3 | 24440 |
| 11.923 | V | TRT 4 | 24440 |
| 11.923 | V | TRT INT | 24440 |
| 11.923 | V | Audio Test Tone | 24440 |
| 11.923 | V | Meteorolojinin Sesi | 24440 |
| 11.923 | V | RADYO 1 | 24440 |
| 11.923 | V | RADYO 2 (TRT FM) | 24440 |
| 11.923 | V | RADYO 3 | 24440 |
| 11.923 | V | RADYO 4 | 24440 |
| 11.923 | V | Radyo GAP | 24440 |
| 11.923 | V | TSR Turkce | 24440 |
| 11.923 | V | Turizm Radyosu | 24440 |
| 11.923 | V | VOT East | 24440 |
| 11.923 | V | VOT West | 24440 |
| 11.923 | V | VOT World | 24440 |
| 11.945 | V | TD 1 | 2960 |
| 11.952 | V | MEHTAP TV | 8800 |
| 11.952 | V | S HABER | 8800 |
| 11.952 | V | SAMANYOLU TV | 8800 |
| 11.952 | V | YUMURCAK TV | 8800 |
| 11.952 | V | INTERCOM | 8800 |
| 11.952 | V | AKRA FM | 8800 |
| 11.952 | V | BURC FM | 8800 |
| 11.952 | V | DUNYA RADIO | 8800 |
| 11.952 | V | MARMARA FM | 8800 |
| 11.952 | V | MORAL FM | 8800 |
| 11.952 | V | RADYO 15 | 8800 |
| 11.959 | V | KIBRIS GENC TV | 2960 |
| 11.959 | V | CYS FEED | 2960 |
| 11.959 | V | FIRST FM | 2960 |
| 11.963 | V | DOGU TV | 2300 |
| 11.970 | V | Test | 4340 |
| 11.973 | V | KONTV | 2239 |
| 11.996 | V | Ask TV | 26000 |
| 11.996 | V | Box TV | 26000 |
| 11.996 | V | cips tv | 26000 |
| 11.996 | V | DugunTV | 26000 |
| 11.996 | V | KanalC | 26000 |
| 11.996 | V | KARE | 26000 |
| 11.996 | V | Mavi Karadeniz | 26000 |
| 11.996 | V | ORDU TV | 26000 |
| 11.996 | V | TShop | 26000 |
| 11.996 | V | TurkDugun | 26000 |
| 11.996 | V | TurkShop | 26000 |
| 11.996 | V | TurkShow | 26000 |
| 11.996 | V | ASK FM | 26000 |
| 11.996 | V | KUPE FM | 26000 |
| 11.996 | V | Mujde Akdeniz | 26000 |
| 11.996 | V | Mujde Ege | 26000 |
| 11.996 | V | Ozgur Radyo Ankara | 26000 |
| 11.996 | V | RADYO | 26000 |
| 11.996 | V | RADYO SAHIN | 26000 |
| 11.996 | V | Radyo Spor | 26000 |
| 11.996 | V | Radyo TATLISES | 26000 |
| 11.996 | V | Radyo Time | 26000 |
| 11.996 | V | Radyo Vatan | 26000 |
| 12.126 | V | HABER 7 | 6665 |
| 12.126 | V | KANAL7 INT | 6665 |
| 12.126 | V | tvt | 6665 |
| 12.126 | V | ; | 6665 |
| 12.126 | V | ISTANBULUN SESI | 6665 |
| 12.126 | V | RADYO M-R 7 | 6665 |
| 12.134 | V | BUSINESS CH | 3333 |
| 12.141 | V | EAS PROMO | 4442 |
| 12.141 | V | NUMBER ONE TV TES | 4442 |
| 12.141 | V | TURKSAT TEST 2 | 4442 |
| 12.141 | V | NUMBER ONE FM | 4442 |
| 12.141 | V | RADYO KLAS | 4442 |
| 12.141 | V | RADYO MYDONOSE | 4442 |
| 12.506 | V | Babe TV | 2222 |
| 12.506 | V | Gunizi TV | 2222 |
| 12.506 | V | Private TV | 2222 |

EAS001S1

| Freq GHz | Pol | Channel Name | Symbol rate |
|---|---|---|---|
| 12.513 | H | Kanal A | 4444 |
| 12.513 | H | Test | 4444 |
| 12.518 | H | SHOPPING | 3125 |
| 12.518 | H | Shopping TV | 3125 |
| 12.524 | H | SKYTURK | 4250 |
| 12.530 | H | SHOW TURK | 4444 |
| 12.535 | H | HALK TV | 2962 |
| 12.540 | H | EUROTURK. | 3125 |
| 12.590 | V | LIFE CHANNEL | 3002 |
| 12.595 | V | Rustavi 2 | 2500 |
| 12.605 | V | Georgian TV | 2962 |
| 12.605 | V | GEORGIAN TV | 2962 |
| 12.608 | V | IMEDI TV | 3700 |
| 12.614 | V | CLUB | 3003 |
| 12.614 | V | EUROPE | 3003 |
| 12.614 | V | GEORGIAN TV | 3003 |
| 12.614 | V | RED | 3003 |
| 12.614 | V | SHE | 3003 |
| 12.620 | V | ARKADAS TV | 6161 |
| 12.620 | V | CANLI SHOBET TV | 6161 |
| 12.620 | V | CEP MELODI-SMS TV | 6161 |
| 12.620 | V | God | 6161 |
| 12.620 | V | GOD UK | 6161 |
| 12.620 | V | Satmedia tv | 6161 |
| 12.620 | V | VIC TV Promo | 6161 |
| 12.620 | V | VICTV Promo | 6161 |
| 12.620 | V | Cross Rhythms | 6161 |
| 12.633 | V | FEED | 4800 |
| 12.633 | V | atv | 4800 |
| 12.633 | V | . | 4800 |
| 12.633 | V | Marmara Radyo | 4800 |
| 12.633 | V | RADIO CITY | 4800 |
| 12.638 | V | TURK C | 2300 |
| 12.649 | V | test | 6666 |
| 12.652 | H | FANTASY | 22500 |
| 12.652 | H | LOCA1 | 22500 |
| 12.652 | H | LOCA2 | 22500 |
| 12.652 | H | LULİ | 22500 |
| 12.652 | H | D COCUK | 22500 |
| 12.652 | H | D MAX | 22500 |
| 12.652 | H | D PLUS | 22500 |
| 12.652 | H | D SHOPPING | 22500 |
| 12.652 | H | D SINEMAX | 22500 |
| 12.652 | H | D SPOR | 22500 |
| 12.652 | H | D YESiLCAM | 22500 |
| 12.652 | H | D YEŞİLÇAM | 22500 |
| 12.652 | H | D ÇOCUK | 22500 |
| 12.652 | H | EMLAK TV | 22500 |
| 12.652 | H | HABERTURK | 22500 |
| 12.652 | H | KRAL TV | 22500 |
| 12.652 | H | MOVIE SMART 2 | 22500 |
| 12.652 | H | T.A.Y. TV | 22500 |
| 12.652 | H | test2 | 22500 |
| 12.652 | H | KRAL FM | 22500 |
| 12.652 | H | METRO FM | 22500 |
| 12.652 | H | RADYO HABERTURK | 22500 |
| 12.652 | H | SUPER FM | 22500 |
| 12.665 | V | teknoloji tv | 2344 |
| 12.665 | V | Teknoloji TV | 2344 |
| 12.680 | H | Cine5 | 8888 |
| 12.680 | H | Gala | 8888 |
| 12.680 | H | Halay TV | 8888 |
| 12.680 | H | Supersport | 8888 |
| 12.680 | H | Viva | 8888 |
| 12.680 | H | Radyo Nostalji | 8888 |
| 12.680 | H | Radyo Viva | 8888 |
| 12.680 | H | Radyo5 | 8888 |
| 12.680 | H | Show Radyo | 8888 |
| 12.688 | H | Kanal 6 | 2400 |
| 12.692 | H | AZAD AZERBAYCAN | 2800 |
| 12.695 | H | Nur TV | 2285 |
| 12.695 | H | Nur Radio | 2285 |
| 12.699 | H | Ege TV | 2400 |
| 12.699 | H | Radio Ege | 2400 |
| 12.706 | H | Ey TV Antalya | 2400 |
| 12.706 | H | Ey FM Antalya | 2400 |
| 12.715 | V | NTV Int | 2965 |
| 12.719 | V | Olay TV | 2950 |
| 12.733 | V | EAS_PROMO | 3333 |

### South Africa
**INTELSAT 12**
**45.0 East**

| Freq GHz | Pol | Channel Name | Symbol rate |
|---|---|---|---|
| ●11.452 | H | KIMBERLEY2 | 3254 |
| 11.461 | H | Skytrain | 5926 |
| 11.461 | H | Spare | 5926 |
| 11.470 | H | URBAN_BREW 2_ | 2894 |
| ●11.483 | H | E-TV PE | 3100 |

### India
**INTELSAT 12**
**45.1 East**

| Freq GHz | Pol | Channel Name | Symbol rate |
|---|---|---|---|
| ●11.468 | V | aarti TV | 27680 |
| 11.468 | V | Cartoon Network | 27680 |
| 11.468 | V | Channel C | 27680 |
| 11.468 | V | Derana | 27680 |
| 11.468 | V | Eye/Nethra | 27680 |
| 11.468 | V | God TV | 27680 |
| 11.468 | V | Islam channel | 27680 |
| 11.468 | V | ITN | 27680 |
| 11.468 | V | MTV | 27680 |
| 11.468 | V | NEO Sports | 27680 |
| 11.468 | V | Nickelodeon | 27680 |
| 11.468 | V | POGO | 27680 |
| 11.468 | V | Ranaroo | 27680 |
| 11.468 | V | Rupavahini | 27680 |
| 11.468 | V | Star Cricket | 27680 |
| 11.468 | V | Swarnawahini | 27680 |
| 11.468 | V | TNL | 27680 |
| 11.468 | V | VH1 | 27680 |
| 11.468 | V | Zee Sports | 27680 |
| 11.468 | V | The Buddhist | 27680 |
| 11.591 | V | Al Jazeera | 27689 |
| 11.591 | V | AXN | 27689 |
| 11.591 | V | BBC World | 27689 |
| 11.591 | V | CineMax | 27689 |
| 11.591 | V | CNN | 27689 |
| 11.591 | V | Hallmark | 27689 |
| 11.591 | V | HBO | 27689 |
| 11.591 | V | HBO Family | 27689 |
| 11.591 | V | HBO Hits | 27689 |
| 11.591 | V | HBO Signature | 27689 |
| 11.591 | V | NDTV | 27689 |
| 11.591 | V | Set MAX | 27689 |
| 11.591 | V | Star Movies | 27689 |
| 11.591 | V | Star Vijay | 27689 |
| 11.591 | V | Star World | 27689 |
| 11.591 | V | TBO | 27689 |
| 11.591 | V | Zee Cinema | 27689 |
| 11.591 | V | Zee Studio | 27689 |
| 11.632 | V | CH 18 | 27689 |
| ●11.632 | V | Bloomberg | 27689 |
| ●11.632 | V | Boomerang | 27689 |
| 11.632 | V | CH 4 | 27689 |
| ●11.632 | V | Kalaignar TV | 27689 |
| ●11.632 | V | UTV Movies | 27689 |
| ●11.632 | V | UTV World Movies | 27689 |
| 11.632 | V | CH 10 | 27689 |
| 11.632 | V | CH 11 | 27689 |
| 11.632 | V | CH 12 | 27689 |
| 11.632 | V | CH 13 | 27689 |
| 11.632 | V | CH 14 | 27689 |
| 11.632 | V | CH 15 | 27689 |
| 11.632 | V | CH 16 | 27689 |
| 11.632 | V | CH 17 | 27689 |
| 11.632 | V | CH 7 | 27689 |
| 11.632 | V | CH 8 | 27689 |
| 11.632 | V | CH 9 | 27689 |
| 11.673 | V | Animal Planet | 27689 |
| 11.673 | V | AustraliaNetwork | 27689 |
| 11.673 | V | CiTi Hitz | 27689 |
| 11.673 | V | Discovery | 27689 |
| 11.673 | V | ESPN | 27689 |
| 11.673 | V | History | 27689 |
| 11.673 | V | NatGEO | 27689 |
| 11.673 | V | NatGEO Adventure | 27689 |
| 11.673 | V | NDTV GoodTimes | 27689 |
| 11.673 | V | Neo Cricket | 27689 |
| 11.673 | V | SET | 27689 |
| 11.673 | V | Star Plus | 27689 |
| 11.673 | V | Star Sports | 27689 |
| 11.673 | V | Ten Sports | 27689 |
| 11.673 | V | Travel & Living | 27689 |
| 11.673 | V | Zee Cafe | 27689 |
| 11.673 | V | Zee Trendz | 27689 |
| 11.673 | V | Zee TV | 27689 |

### Europe
**INTELSAT 12**
**45.2 East**

| Freq GHz | Pol | Channel Name | Symbol rate |
|---|---|---|---|
| 11.468 | V | ESPN | 27500 |
| 11.468 | V | FootSchool TV | 27500 |
| 11.468 | V | National Geographic | 27500 |
| 11.468 | V | Sarafan | 27500 |
| 11.468 | V | Travel Channel | 27500 |
| 11.468 | V | Provse Net | 27500 |
| 11.468 | V | Wedding TV | 27500 |
| 11.500 | V | Racing International | 4340 |
| 11.500 | V | SA Clean Feed | 4340 |
| 11.511 | V | SOUTHERN SUDAN TE | 2894 |
| 11.550 | V | Feniks-Art | 27500 |
| 11.550 | V | Inter Plus | 27500 |
| 11.550 | V | Israel + Russia | 27500 |
| 11.550 | V | MAKS TV | 27500 |
| 11.550 | V | MEZZO | 27500 |
| 11.550 | V | POP TV | 27500 |
| 11.550 | V | TDK | 27500 |
| 11.550 | V | TV Centr Internation | 27500 |
| 11.550 | V | WorldMadeChannel | 27500 |
| 11.550 | V | ZEE TV Russian | 27500 |
| 11.550 | V | Blagovest Channel | 27500 |
| 11.550 | V | Kitay | 27500 |
| 11.550 | V | New Illusion | 27500 |
| 11.550 | V | Ocean TV | 27500 |
| 11.550 | V | Russian TV Time Info | 27500 |
| 11.550 | V | Doroznoe Radio | 27500 |
| 11.591 | V | Discovery HD | 30000 |
| 11.591 | V | Discovery HD Polish | 30000 |
| ●11.591 | V | Animal Planet Russia | 30000 |
| 11.591 | V | Disc Iberia Por | 30000 |
| 11.591 | V | Disc Iberia Sp | 30000 |
| 11.591 | V | Disc Iberia Sp Por | 30000 |
| 11.591 | V | Discovery Historia | 30000 |
| 11.591 | V | Discovery Hungary | 30000 |
| 11.591 | V | Discovery Russia | 30000 |
| 12.675 | V | SERVICE1 | 3296 |

### Asia, Europe
**C-Band: YAMAL 202**
**49.0 East**

YAM202CB

| Freq GHz | Pol | Channel Name | Symbol rate |
|---|---|---|---|
| 3.585 | L | TURA_TV | 3215 |
| 3.706 | L | PLANETA SPORT | 15550 |
| 3.706 | L | rentv0 | 15550 |
| 3.706 | L | rentv2 | 15550 |
| 3.706 | L | RIK | 15550 |
| 3.706 | L | RTR PLANETA | 15550 |
| 3.740 | L | Rusiya Al-Yaum | 38000 |
| 3.740 | L | Russia Today | 38000 |
| ● 3.740 | L | TV ZVEZDA+0 | 38000 |
| ● 3.740 | L | TVC Europe | 38000 |
| ● 3.740 | L | TVCI | 38000 |
| 3.740 | L | D1-1 | 38000 |
| 3.740 | L | D1-10 | 38000 |
| 3.740 | L | D1-11 | 38000 |
| 3.740 | L | D1-12 | 38000 |
| 3.740 | L | D1-13 | 38000 |
| 3.740 | L | D1-14 | 38000 |
| 3.740 | L | D1-15 | 38000 |
| 3.740 | L | D1-16 | 38000 |
| 3.740 | L | D1-2 | 38000 |
| 3.740 | L | D1-3 | 38000 |
| 3.740 | L | D1-4 | 38000 |
| 3.740 | L | D1-5 | 38000 |
| 3.740 | L | D1-6 | 38000 |
| 3.740 | L | D1-7 | 38000 |
| 3.740 | L | D1-8 | 38000 |
| 3.740 | L | D1-9 | 38000 |
| ● 3.740 | L | Russian Public Radio | 38000 |
| 3.794 | L | NOVY VEK | 1800 |
| 3.909 | L | VTC YAMAL | 1356 |
| 3.940 | L | RTR+Pomor'e | 7500 |
| 3.940 | L | TVS_Severnaya Dvina | 7500 |
| 3.945 | L | JAYA TV | 1555 |
| 3.948 | L | PRIME SPORTS | 2220 |
| 3.953 | L | DAN | 4500 |
| 3.953 | L | TVLanka 2 | 4500 |
| 3.953 | L | TVL Radio | 4500 |
| 3.961 | L | RTR+REGION TYUMEN | 8570 |
| 3.961 | L | TYUMEN TIME | 8570 |
| 3.970 | L | GTRK Yamal | 4275 |
| 3.977 | L | TYMEN-YGORIA TV | 4285 |
| 3.982 | L | TV KOMI | 4285 |
| ● 3.988 | L | TV-UNIVERSITET | 2150 |
| 4.068 | L | Feed (FEED-1) | 29755 |
| 4.068 | L | Feed (FEED-2) | 29755 |

### EXPRESS AM22/SESAT 2
**53.0 East**

| Freq GHz | Pol | Channel Name | Symbol rate |
|---|---|---|---|
| 11.682 | V | Limar TV | 5000 |
| 11.682 | V | Tolo TV | 5000 |
| 10.974 | H | 5 Channel | 8150 |
| 11.031 | H | CTPAHA COBETOB | 3750 |
| 11.044 | V | 1-Muz BY | 44950 |
| 11.044 | V | CTC+0 | 44950 |
| 11.044 | V | CTC+2 | 44950 |
| 11.044 | V | Domashny+0 | 44950 |
| 11.044 | V | Domashny+2 | 44950 |
| 11.044 | V | FNS | 44950 |
| 11.044 | V | MuzTV+Love | 44950 |
| 11.044 | V | World Music Channel | 44950 |
| 11.044 | V | Love Radio | 44950 |
| 11.044 | V | Radio CH50 | 44950 |
| 11.044 | V | Radio CH51 | 44950 |
| 11.044 | V | Radio CH52 | 44950 |
| 11.044 | V | Radio CH53 | 44950 |
| 11.044 | V | Radio Max | 44950 |
| 11.095 | V | NTN | 6400 |
| 11.095 | V | UTR | 6400 |
| 11.095 | V | RUI2 | 6400 |
| 11.095 | V | UR1 | 6400 |
| 11.161 | V | STV | 5785 |
| 11.161 | V | Belarus-TV | 5785 |
| 11.616 | V | Tandberg Service | 2892 |
| 12.631 | V | ASHUR TV | 2530 |
| 12.632 | H | SALAM TV | 2170 |
| 12.637 | H | Al Masar | 2532 |
| 12.639 | V | AL RAI 1B | 2892 |
| 12.639 | V | TV | 2892 |
| 12.652 | H | Al-Mosullia | 2532 |
| 12.664 | V | ART-Feed | 30000 |
| 12.664 | V | CH1-SCR | 30000 |
| 12.664 | V | CH2-SCR | 30000 |
| 12.664 | V | ERTU | 30000 |
| 12.664 | V | ESCA | 30000 |
| 12.664 | V | Feed-2 | 30000 |
| 12.664 | V | JSC-Feed | 30000 |
| 12.664 | V | OrbitLine1 | 30000 |
| 12.664 | V | OrbitLine2 | 30000 |
| 12.664 | V | OrbitLine3 | 30000 |
| 12.664 | V | Al-Majd Feed | 30000 |
| 12.664 | V | CH5 | 30000 |
| 12.664 | V | CH8 | 30000 |
| 12.664 | V | Feed-4 | 30000 |
| 12.664 | V | N DRAMA | 30000 |
| 12.664 | V | HolyQuran Radio | 30000 |
| 12.741 | H | Temp 1 | 7086 |
| 12.741 | H | Temp 2 | 7086 |
| 12.741 | H | Service 2 | 7086 |
| 12.741 | H | Ch-4 | 7086 |
| 12.741 | H | Ch 5 | 7086 |
| 12.741 | H | Ch 8 | 7086 |

### EXPRESS AM22/SESAT 2
**53.1 East**

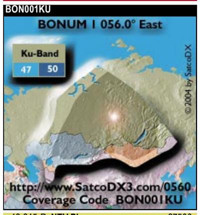
| Freq GHz | Pol | Channel Name | Symbol rate |
|---|---|---|---|
| 11.682 | V | Limar TV | 5000 |
| 11.682 | V | Tolo TV | 5000 |
| 10.974 | H | 5 Channel | 8150 |
| 10.974 | H | Kanal 5 | 8150 |
| 11.031 | H | CTPAHA COBETOB | 3750 |
| 11.044 | V | 1-Muz BY | 44950 |
| 11.044 | V | CTC+0 | 44950 |
| 11.044 | V | CTC+2 | 44950 |
| 11.044 | V | Domashny+0 | 44950 |
| 11.044 | V | Domashny+2 | 44950 |
| 11.044 | V | FNS | 44950 |
| 11.044 | V | MuzTV+Love | 44950 |
| 11.044 | V | World Music Channel | 44950 |
| 11.044 | V | Love Radio | 44950 |
| 11.044 | V | Radio CH50 | 44950 |
| 11.044 | V | Radio CH51 | 44950 |
| 11.044 | V | Radio CH52 | 44950 |
| 11.044 | V | Radio CH53 | 44950 |
| 11.044 | V | Radio Max | 44950 |
| 11.095 | V | NTN | 6400 |
| 11.095 | V | UTR | 6400 |
| 11.095 | V | RUI2 | 6400 |
| 11.095 | V | UR1 | 6400 |
| 11.161 | V | MINSK TV | 5785 |
| 11.161 | V | STV | 5785 |
| 11.161 | V | Belarus-TV | 5785 |
| 11.616 | V | Allibiya Satellite C | 2892 |
| 12.631 | V | ASHUR TV | 2530 |
| 12.632 | H | Al Salam | 2170 |
| 12.637 | H | Al Masar | 2532 |
| 12.639 | V | AL RAI 1B | 2892 |
| 12.639 | V | TV | 2892 |
| 12.652 | H | Al-Mosullia | 2532 |
| 12.664 | V | ART-Feed | 30000 |
| 12.664 | V | CH1-SCR | 30000 |
| 12.664 | V | CH2-SCR | 30000 |
| 12.664 | V | ERTU | 30000 |
| 12.664 | V | Feed-2 | 30000 |
| 12.664 | V | JSC-Feed | 30000 |
| 12.664 | V | OrbitLine1 | 30000 |
| 12.664 | V | OrbitLine2 | 30000 |
| 12.664 | V | OrbitLine3 | 30000 |
| 12.664 | V | Al-Majd Feed | 30000 |
| 12.664 | V | CH5 | 30000 |
| 12.664 | V | CH8 | 30000 |
| 12.664 | V | ESCA | 30000 |
| 12.664 | V | Feed-4 | 30000 |
| 12.664 | V | N DRAMA | 30000 |
| 12.664 | V | HolyQuran Radio | 30000 |
| 12.741 | H | ERTU | 7086 |
| 12.741 | H | Service 2 | 7086 |
| 12.741 | H | Ch-4 | 7086 |
| 12.741 | H | test-e | 7086 |

### C-Band: INSAT 3E
**55.0 East**

| Freq GHz | Pol | Channel Name | Symbol rate |
|---|---|---|---|
| 3.970 | V | Test | 4250 |
| 4.000 | V | DDK-HISAR | 4250 |

### BONUM 1
**56.0 East**

BON001KU




| Freq GHz | Pol | Channel Name | Symbol rate |
|---|---|---|---|
| 12.245 | R | NTV Plus | 27500 |
| 12.303 | L | Ermak | 27500 |
| 12.322 | R | NTV Plus | 27500 |
| 12.456 | L | Serebryany Dozhd | 5000 |
| 12.476 | R | NTV Plus | 27500 |

### NSS 703
**57.0 East**

NSS703GL

| Freq GHz | Pol | Channel Name | Symbol rate |
|---|---|---|---|
| ● 4.055 | R | Alhurra TV 15 (H.264 | 26000 |
| ● 4.055 | R | Alhurra-Iraq 17 (H.2 | 26000 |
| ● 4.055 | R | AETN TV 340 | 26000 |
| 4.055 | R | Default - Ch #1 | 26000 |
| ● 4.055 | R | IBB OS Download 8 | 26000 |
| ● 4.055 | R | IBB OS Download 9 | 26000 |
| ● 4.055 | R | VOA IOR TV 420 | 26000 |
| ● 4.055 | R | Cyprus/Abu Dhabi MW | 26000 |
| ● 4.055 | R | Farda Radio 448 | 26000 |
| ● 4.055 | R | IBB VOA RFE/RL Ra | 26000 |
| ● 4.055 | R | IBB VOA RFE/RL Ra | 26000 |
| ● 4.055 | R | IBB VOA RFE/RL Ra | 26000 |
| ● 4.055 | R | IBB VOA RFE/RL Ra | 26000 |
| ● 4.055 | R | IBB VOA RFE/RL Ra | 26000 |
| ● 4.055 | R | IBB VOA RFE/RL Ra | 26000 |
| ● 4.055 | R | IBB VOA RFE/RL Ra | 26000 |
| ● 4.055 | R | Khost/Tani MW 461 | 26000 |
| ● 4.055 | R | RFA Radio 436 | 26000 |
| ● 4.055 | R | RFA/VOA Radio 437 | 26000 |
| ● 4.055 | R | Sawa Djibouti 421 | 26000 |
| ● 4.055 | R | Sawa Egypt/Gulf Radi | 26000 |
| ● 4.055 | R | Sawa Gulf/VOA Djib | 26000 |
| ● 4.055 | R | Sawa Iraq/Iraq N-S 4 | 26000 |
| ● 4.055 | R | Sawa Lebanon Radio 4 | 26000 |
| ● 4.055 | R | Sawa N. Africa Radio | 26000 |
| ● 4.055 | R | Sawa Sudan Radio 455 | 26000 |
| ● 4.055 | R | VOA Djibouti/Farda | 26000 |
| ● 4.055 | R | VOA Sawa Iraq Radi | 26000 |
| ● 4.055 | R | VOA/SAWA Levant Ra | 26000 |
| ● 4.055 | R | VOA/SAWA Radio 440 | 26000 |
| ● 3.910 | L | TV | 2892 |
| ● 3.932 | L | ABAY | 2892 |
| ● 4.071 | L | Al_Hura | 3500 |
| ●12.551 | V | bTV | 9404 |
| ●12.551 | V | eUrotic ASTRA | 9404 |
| ●12.551 | V | VTK | 9404 |
| ●12.551 | V | BRAVO Radio | 9404 |

### INTELSAT 904
**60.0 East**

INT904K1

| Freq GHz | Pol | Channel Name | Symbol rate |
|---|---|---|---|
| 11.093 | V | Nika TV | 3980 |
| 11.093 | V | Miliceiskaya Volna | 3980 |
| 11.491 | V | RTV Kuban | 5787 |
| 11.491 | V | Mayak Kubani | 5787 |
| 11.491 | V | Radio Roks-Region | 5787 |
| 11.514 | V | test | 7600 |
| 11.529 | V | Belarus TV | 2893 |

INT904K2

| Freq GHz | Pol | Channel Name | Symbol rate |
|---|---|---|---|
| 11.555 | H | Animal Planet Europe | 29270 |
| 11.555 | H | BBC World | 29270 |
| 11.555 | H | Discovery Travel & A | 29270 |
| 11.555 | H | El Arna | 29270 |
| 11.555 | H | Fox Kids Russia & Tu | 29270 |
| 11.555 | H | Hallmark Channel (Ru | 29270 |
| 11.555 | H | KTK TV | 29270 |
| 11.555 | H | MTV Russia | 29270 |
| 11.555 | H | NTK | 29270 |
| 11.555 | H | NTV | 29270 |
| 11.555 | H | Rakhat TV | 29270 |
| 11.555 | H | TV XXI | 29270 |
| 11.555 | H | Europa Plus Kazakhst | 29270 |
| 11.595 | H | Discovery Channel Ru | 29270 |
| 11.595 | H | EuroNews | 29270 |
| 11.595 | H | Eurosport Russia | 29270 |
| 11.595 | H | Kazakhstan TV | 29270 |
| 11.595 | H | Khabar TV | 29270 |
| 11.595 | H | MCM Europe | 29270 |
| 11.595 | H | ORT Kazakhstan | 29270 |
| 11.595 | H | Telekanal Rossiya | 29270 |
| 11.595 | H | Kazakhstan RV | 29270 |
| 11.595 | H | Russkoe Radio - Asia | 29270 |

### INTELSAT 902
**62.0 East**

| Freq GHz | Pol | Channel Name | Symbol rate |
|---|---|---|---|
| 4.180 | L | Reuters TV | 31530 |
| 4.180 | L | Sky News Intl | 31530 |
| 4.180 | L | ABC | 31530 |
| 4.180 | L | Arqiva OU ch 2 | 31530 |
| 4.180 | L | Arqiva OU ch1 | 31530 |
| 4.180 | L | Intelsat 2 | 31530 |
| 4.180 | L | Taiwan Radio | 31530 |
| 10.973 | V | Alantefaza TV | 27500 |
| 10.973 | V | IRIB TV1 | 27500 |
| 10.973 | V | IRIB TV2 | 27500 |
| 10.973 | V | IRIB TV3 | 27500 |
| 10.973 | V | IRIB TV4 | 27500 |
| 10.973 | V | IRIB TV5 | 27500 |
| 10.973 | V | Jaam-e-Jam Internati | 27500 |
| 10.973 | V | IRIB Radio 1 | 27500 |
| 10.973 | V | Radio Farhang | 27500 |
| 10.973 | V | Radio Farhang Varzes | 27500 |
| 10.973 | V | Radio Javan | 27500 |
| 10.973 | V | Radio Maaref | 27500 |
| 10.973 | V | Radio Payam | 27500 |
| 10.973 | V | Radio Quran | 27500 |
| 10.973 | V | Radio Quran Maaref | 27500 |
| 10.973 | V | Radio Salamt | 27500 |
| 10.973 | V | Radio Sarasari | 27500 |
| 10.973 | V | Radio Sport | 27500 |
| 10.973 | V | Sedaye Ashna | 27500 |
| 11.043 | V | Khozestan TV | 3600 |
| 11.068 | V | Mazandaran TV | 3610 |
| 11.073 | V | Azarbayjan TV | 3600 |
| 11.078 | V | Khorasan TV | 3610 |
| 11.083 | V | Esfahan TV | 3600 |
| 11.088 | V | Yazd TV | 3610 |
| 11.093 | V | Kerman TV | 3600 |
| 11.103 | V | Fars | 10000 |
| 11.103 | V | Fars TV | 10000 |
| 11.103 | V | feed | 10000 |
| 11.103 | V | khalij fars(T) | 10000 |
| 11.105 | H | VTV | 3328 |
| 11.108 | H | A1 PLUS | 2170 |
| 11.148 | H | KISS TV | 2710 |
| 11.152 | H | Prima TV | 3333 |
| 11.175 | H | KANAL-D | 3333 |
| 11.186 | H | AXA TV | 2046 |
| 11.189 | H | TELESHOP | 2221 |
| 3.814 | L | NTV (Kenya) | 3852 |
| 3.814 | L | Nation Radio | 3852 |
| 3.837 | L | Citizen TV | 2466 |
| 3.967 | L | E.TV | 9326 |
| 3.967 | L | Akermans | 9326 |
| 3.967 | L | Good Hope FM | 9326 |
| 3.996 | L | BTV 2 | 20000 |
| 3.996 | L | BTV 3 | 20000 |
| 3.996 | L | SABC 1 | 20000 |
| 3.996 | L | SABC 2 | 20000 |
| 3.996 | L | SABC 3 | 20000 |
| 3.996 | L | BTV 1 | 20000 |
| 3.938 | R | MBC (Mauritius) | 2964 |
| 4.171 | R | 9xA | 3960 |
| ●11.151 | H | KISS TV | 5787 |
| 11.151 | H | PRIMA TV | 5787 |
| 11.190 | H | BRAVA TV | 2480 |

### C-Band: INTELSAT 906
**64.0 East**

INT906CG

| Freq GHz | Pol | Channel Name | Symbol rate |
|---|---|---|---|
| 4.095 | L | Atlantic | 3680 |
| 4.095 | L | News | 3680 |
| 4.095 | L | Sports | 3680 |
| ● 3.654 | R | TIM | 5632 |
| ● 3.654 | R | TPA1 | 5632 |
| ● 3.654 | R | TV MOZAMBIQUE. | 5632 |

### C-Band: INTELSAT 704
**66.0 East**

| Freq GHz | Pol | Channel Name | Symbol rate |
|---|---|---|---|
| 4.055 | R | CFI ASIE PRO | 27500 |
| 4.055 | R | TV5 ASIE | 27500 |
| 4.055 | R | CFI Audio 1 | 27500 |
| 4.055 | R | RFI AS Francais | 27500 |
| 4.055 | R | RFI AS Langues | 27500 |
| 4.055 | R | RFI Cambodge | 27500 |
| 4.055 | R | RFI China | 27500 |
| 4.055 | R | RFI Francais | 27500 |
| 4.055 | R | RFI French-Eng | 27500 |
| 4.055 | R | RFI Kaboul | 27500 |
| 4.055 | R | RFI Langues1 | 27500 |
| 4.055 | R | RFI Langues2 | 27500 |
| 4.055 | R | RFI Musique | 27500 |
| 4.055 | R | RFI Palapa | 27500 |
| 4.055 | R | RFI Russia | 27500 |
| 4.055 | R | RFI WS Ouest | 27500 |
| 4.055 | R | RFI WS Sud | 27500 |

### South Africa
**INTELSAT 7, 10**
**68.5 East**

INT007SA

| Freq GHz | Pol | Channel Name | Symbol rate |
|---|---|---|---|
| ●10.970 | H | {Empty Name} | 30000 |
| 11.050 | H | BBC C | 30000 |
| 11.050 | H | BBC E | 30000 |
| 11.050 | H | BBC K | 30000 |
| 11.050 | H | BBC L | 30000 |
| 11.050 | H | ESPNC | 30000 |
| 11.050 | H | Nick | 30000 |
| 11.050 | H | SET A | 30000 |
| 11.050 | H | SMAX | 30000 |
| ●11.050 | V | {Empty Name} | 30000 |
| 11.081 | H | Learn | 14875 |
| 11.081 | H | Health | 14875 |
| ●11.170 | V | {Empty Name} | 26652 |
| 11.625 | V | BOTSWANA TELEVISI | 15000 |
| ●11.674 | V | {Empty Name} | 26652 |
| ●12.682 | H | 3ABN | 26657 |
| ●12.682 | H | Adonai | 26657 |
| ●12.682 | H | Chosen | 26657 |
| ●12.682 | H | CVV | 26657 |
| ●12.682 | H | Day* | 26657 |
| ●12.682 | H | Dvine | 26657 |
| ●12.682 | H | Emmanuel TV | 26657 |
| ●12.682 | H | ezekiel | 26657 |
| ●12.682 | H | John 3v16 | 26657 |
| ●12.682 | H | LoveWorld | 26657 |
| ●12.682 | H | Solid Rock | 26657 |
| ●12.682 | H | TKC | 26657 |
| ●12.682 | H | VwAfr | 26657 |
| ●12.682 | H | Divine Radio | 26657 |

INT010AV

| Freq GHz | Pol | Channel Name | Symbol rate |
|---|---|---|---|
| 12.522 | H | Arsenal/Setanta News | 26657 |
| 12.522 | H | Fox Sports | 26657 |
| 12.522 | H | France 24 | 26657 |
| 12.522 | H | NTA Plus | 26657 |
| 12.522 | H | Teletoon | 26657 |
| 12.522 | H | Zee Cinema | 26657 |
| 12.522 | H | Footschool | 26657 |
| 12.522 | H | My TV Promo | 26657 |
| 12.562 | H | ACBN | 26657 |
| 12.562 | H | Apostolic Oneness Ne | 26657 |
| ●12.562 | H | BEN TV | 26657 |
| 12.562 | H | DBN | 26657 |
| 12.562 | H | Faith | 26657 |
| 12.562 | H | Noursat | 26657 |
| 12.562 | H | Novo Tempo | 26657 |
| 12.562 | H | OMEGA | 26657 |
| 12.562 | H | Press TV | 26657 |
| 12.562 | H | Supreme Master TV | 26657 |
| 12.562 | H | View Africa Promo | 26657 |
| 12.562 | H | 1Africa | 26657 |
| 12.562 | H | CVC Africa | 26657 |
| 12.562 | H | IRIB3/IRIB6 | 26657 |
| 12.575 | V | Mana 2 | 3378 |
| 12.575 | V | Mana Africa | 3378 |
| 12.722 | H | AIT | 26657 |
| 12.722 | H | Baby TV | 26657 |
| 12.722 | H | BBC World | 26657 |
| 12.722 | H | Fashion TV | 26657 |
| 12.722 | H | MCM TOP | 26657 |
| 12.722 | H | MGM | 26657 |
| 12.722 | H | My TV Africa | 26657 |
| 12.722 | H | NatGeo Adventure | 26657 |
| 12.722 | H | Setanta Sports | 26657 |
| 12.722 | H | Trace TV | 26657 |
| ●12.722 | V | {Empty Name} | 26656 |

### C-Band: INTELSAT 7,10
**68.6 East**

INT007CV

| Freq GHz | Pol | Channel Name | Symbol rate |
|---|---|---|---|
| ● 3.557 | V | Sin-Pakistan | 3250 |
| 3.662 | V | DM Digital World | 14074 |
| 3.662 | V | KBC | 14074 |
| 3.662 | V | Noor TV | 14074 |
| 3.662 | V | View Asia | 14074 |
| ● 4.003 | H | Service 2 | 2963 |
| 4.011 | V | Reform TV | 2200 |
| 4.033 | V | DD Bharti | 19559 |
| 4.033 | V | DD India | 19559 |
| 4.033 | V | DD News | 19559 |
| 4.033 | V | DD Sports | 19559 |
| 4.033 | V | DDFeeds CPC | 19559 |
| 4.160 | H | EXPRESS NEWS | 3618 |

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# SatcoDX Global Satellite Chart 02/2009

INT010CH

| Freq GHz | Pol | Channel Name | Symbol rate |
|---|---|---|---|
| 3.745 | H | Premium | 16175 |
| 3.745 | H | 525 English | 16175 |
| 3.745 | H | 525 Japanese | 16175 |
| 3.745 | H | 625 English | 16175 |
| 3.745 | H | 625 Japanese | 16175 |
| 3.745 | H | Radio 01 | 16175 |
| 3.765 | V | MGM | 2950 |
| 3.767 | H | ZEE SPORTS | 6500 |
| 3.767 | H | ZEE SPORTS USA | 6500 |
| ● 3.773 | V | {Empty Name} | 2940 |
| 3.774 | H | HUMTV Service | 3300 |
| 3.777 | V | AASTHA INT. | 2940 |
| 3.811 | H | CNBC_Pakistan | 3313 |
| ● 3.836 | H | Aajtak | 19850 |
| ● 3.836 | H | Aajtak Tez | 19850 |
| ● 3.836 | H | Delhi Aajtak | 19850 |
| ● 3.836 | H | Headlines Today | 19850 |
| ● 3.836 | H | INT AAJTAK | 19850 |
| ● 3.836 | H | INT HEADLINES TOD | 19850 |
| 3.836 | H | S10 | 19850 |
| 3.836 | H | S7 | 19850 |
| 3.836 | H | S8 | 19850 |
| 3.836 | H | S9 | 19850 |
| 3.927 | H | A copy of MAX Intern | 26500 |
| 3.927 | H | A copy of SET_Intern | 26500 |
| 3.927 | H | A copy of SETMAX | 26500 |
| 3.927 | H | Download 200 | 26500 |
| 3.927 | H | MAX International | 26500 |
| 3.927 | H | MAX TRAI | 26500 |
| 3.927 | H | MAX_UK | 26500 |
| 3.927 | H | MIDDLE EAST | 26500 |
| 3.927 | H | PIX | 26500 |
| 3.927 | H | SAB INTL | 26500 |
| 3.927 | H | SABTV | 26500 |
| 3.927 | H | SET_Encrypted | 26500 |
| 3.927 | H | SET_Encrypted Finger | 26500 |
| 3.927 | H | SET_International | 26500 |
| 3.927 | H | SETMAX | 26500 |
| 3.974 | H | Cartoon India | 19500 |
| 3.974 | H | Cartoon India ENGL | 19500 |
| 3.974 | H | Cartoon India HIND | 19500 |
| 3.974 | H | Cartoon India TAMI | 19500 |
| 3.974 | H | Cartoon India TELE | 19500 |
| 3.974 | H | Cartoon Pakistan | 19500 |
| 3.974 | H | CNN India | 19500 |
| 3.974 | H | HBO India | 19500 |
| 3.974 | H | Pogo | 19500 |
| 3.974 | H | Real Global Broadcas | 19500 |
| 3.974 | H | WB India | 19500 |
| 3.974 | H | WB Pakistan | 19500 |
| 4.034 | H | COLORS | 20500 |
| 4.034 | H | MTV India | 20500 |
| 4.034 | H | Nickelodean-Nick Ind | 20500 |
| 4.034 | H | VH1 India | 20500 |
| 4.034 | H | XYZ | 20500 |
| 4.064 | H | B4U Movies | 19850 |
| 4.064 | H | Discovery | 19850 |
| 4.064 | H | SIS | 19850 |
| 4.064 | H | Al Jazeera | 19850 |
| 4.064 | H | B4U Music | 19850 |
| 4.064 | H | E! | 19850 |
| 4.064 | H | EWTN | 19850 |
| 4.064 | H | BBC WS Radio | 19850 |
| 4.064 | H | EWTN Radio | 19850 |
| 4.064 | H | Voice of Tibet | 19850 |
| 4.064 | H | WRN AAP1 | 19850 |
| 4.103 | H | IBN | 5720 |
| 4.103 | H | SAW | 5720 |
| 4.117 | H | SAMAA | 3333 |
| 4.124 | V | AAG | 19850 |
| 4.124 | V | AAG INTL | 19850 |
| 4.124 | V | GEO | 19850 |
| 4.124 | V | GEO ME. | 19850 |
| 4.124 | V | GEO NEWS | 19850 |
| 4.124 | V | GEO SUPER | 19850 |
| 4.124 | V | GEO UK | 19850 |
| 4.124 | V | GEO USA | 19850 |
| 4.126 | H | DAWN NEWS TV | 3255 |
| 4.131 | H | Ujala TV | 2572 |
| 4.143 | H | ROHI TV | 3306 |
| 4.150 | H | DUNYA ENT. | 6600 |
| 4.150 | H | DUNYA NEWS | 6600 |
| 4.165 | H | ROYAL TV | 3255 |

INT010CV

| Freq GHz | Pol | Channel Name | Symbol rate |
|---|---|---|---|
| 3.716 | V | BBC E | 20600 |
| 3.716 | V | BBC L | 20600 |
| ● 3.716 | V | E! | 20600 |
| 3.716 | V | go | 20600 |
| 3.716 | V | KAIDy | 20600 |
| 3.716 | V | Learn | 20600 |
| 3.716 | V | MM1 | 20600 |
| 3.716 | V | MNetE | 20600 |
| 3.716 | V | MNetW | 20600 |
| 3.716 | V | SS1 | 20600 |
| 3.716 | V | 70's | 20600 |
| 3.716 | V | AdulC | 20600 |
| 3.716 | V | Afric | 20600 |
| 3.716 | V | Beaut | 20600 |
| 3.716 | V | CampR | 20600 |
| 3.716 | V | ClasJ | 20600 |
| 3.716 | V | ClasR | 20600 |
| 3.716 | V | Contl | 20600 |
| 3.716 | V | Dance | 20600 |
| 3.716 | V | FrenC | 20600 |
| 3.716 | V | Fut | 20600 |
| 3.716 | V | Gospl | 20600 |
| 3.716 | V | Htrax | 20600 |
| 3.716 | V | LiteC | 20600 |
| 3.716 | V | R'nR | 20600 |
| 3.716 | V | Regga | 20600 |
| 3.716 | V | SmthJ | 20600 |
| 3.716 | V | SoftH | 20600 |
| 3.716 | V | Symph | 20600 |
| 3.716 | V | UBeat | 20600 |
| 3.716 | V | Urban | 20600 |
| 3.743 | V | AMag | 20600 |
| 3.743 | V | BBA 3 | 20600 |
| 3.743 | V | C+H | 20600 |
| 3.743 | V | ChO | 20600 |
| 3.743 | V | CNN | 20600 |
| 3.743 | V | Dsny | 20600 |
| 3.743 | V | MStar | 20600 |
| 3.743 | V | SS2 | 20600 |
| 3.743 | V | Ssupd | 20600 |
| 3.783 | V | CGNTV | 2964 |
| 3.783 | H | PEACE TV | 3250 |
| ● 3.787 | V | India - Australia Ne | 3617 |
| ● 3.787 | V | RAS2 | 3617 |
| ● 3.787 | V | RAS3 | 3617 |
| ● 3.787 | V | RAS4 | 3617 |
| ● 3.787 | V | RAS5 | 3617 |

| Freq GHz | Pol | Channel Name | Symbol rate |
|---|---|---|---|
| ● 3.787 | V | RAS6 | 3617 |
| 3.796 | V | AVT KHYBER | 7300 |
| 3.796 | V | K2 | 7300 |
| 3.796 | V | KHYBER NEWS | 7300 |
| 3.808 | V | Rai Africa | 10340 |
| 3.808 | V | Reality TV | 10340 |
| 3.808 | V | God Asia | 10340 |
| 3.808 | V | Supreme Master TV | 10340 |
| 3.808 | V | Multilingue | 10340 |
| 3.808 | V | RNW-7 | 10340 |
| 3.808 | V | satelRadio | 10340 |
| 3.836 | V | Actio | 20600 |
| 3.836 | V | BBC W | 20600 |
| 3.836 | V | CN | 20600 |
| 3.836 | V | Disc | 20600 |
| 3.836 | V | ESPN | 20600 |
| 3.836 | V | HallM | 20600 |
| 3.836 | V | MTV | 20600 |
| 3.836 | V | NaGeo | 20600 |
| 3.836 | V | SS7 | 20600 |
| 3.836 | V | TV5 | 20600 |
| 3.836 | V | BBC1 | 20600 |
| 3.836 | V | BBC2 | 20600 |
| 3.836 | V | BBC3 | 20600 |
| 3.836 | V | CRI | 20600 |
| 3.836 | V | DMove | 20600 |
| 3.836 | V | Event | 20600 |
| 3.836 | V | RAI R | 20600 |
| 3.836 | V | RFI | 20600 |
| 3.836 | V | VOA | 20600 |
| 3.836 | V | WRN | 20600 |
| 3.863 | V | Bloom | 20600 |
| 3.863 | V | FTV | 20600 |
| 3.863 | V | HIST | 20600 |
| 3.863 | V | MM2 | 20600 |
| 3.863 | V | Rhema | 20600 |
| 3.863 | V | Serie | 20600 |
| 3.863 | V | SkyN | 20600 |
| 3.863 | V | SS3 | 20600 |
| 3.863 | V | SS5 | 20600 |
| 3.863 | V | SS6 | 20600 |
| 3.863 | V | Travl | 20600 |
| 3.863 | V | ZnRea | 20600 |
| 3.863 | V | CII | 20600 |
| 3.863 | V | TAR | 20600 |
| 3.864 | H | ARY Digital UK | 19850 |
| 3.864 | H | ARY Digital USA | 19850 |
| 3.864 | H | ARY Middle East | 19850 |
| 3.864 | H | ARY ONE World | 19850 |
| 3.864 | H | HBO ARY | 19850 |
| 3.864 | H | Nick ARY | 19850 |
| 3.864 | H | ARY Asia | 19850 |
| 3.864 | H | ARY One World | 19850 |
| 3.864 | H | ARY Qtv | 19850 |
| 3.864 | H | The Musik | 19850 |
| 3.900 | V | Nimbus 1 | 12300 |
| 3.900 | V | Nimbus 2 | 12300 |
| 3.913 | V | KBS WORLD P | 6510 |
| 3.913 | V | YTN P | 6510 |
| 3.920 | V | LA CADENA | 3000 |
| 3.924 | V | FETV 0 | 3003 |
| 3.974 | V | APL India | 19850 |
| 3.974 | V | BBC World News | 19850 |
| 3.974 | V | DSC India - English | 19850 |
| 3.974 | V | DSC India - Hindi | 19850 |
| 3.974 | V | DTL India | 19850 |
| 3.974 | V | Encoder 4 | 19850 |
| 3.974 | V | Encoder 6 | 19850 |
| 3.974 | V | BBC Burmese | 19850 |
| 4.054 | V | ArirangTV W1 | 4400 |
| 4.059 | V | CTS | 3530 |
| ● 4.064 | V | Times Now | 4610 |
| 4.069 | V | Hope Channel Intl | 3002 |
| 4.069 | V | Hope Intl Alt Lang1 | 3002 |
| 4.069 | V | Hope Intl Alt Lang2 | 3002 |
| 4.069 | V | Lifetalk Radio | 3002 |
| 4.075 | V | Hungama Tv | 4003 |
| 4.083 | V | CRI Radio | 3428 |
| 4.087 | H | CCTV 4 | 9375 |
| 4.087 | H | CCTV 9 | 9375 |
| 4.087 | H | CCTV E | 9375 |
| 4.087 | H | CCTV F | 9375 |
| 4.156 | H | Express English | 2930 |
| 4.156 | H | Express Urdu | 2930 |
| 4.173 | V | INDIA TV | 3000 |
| ● 4.178 | V | ZOOM | 4000 |
| ● 4.178 | V | Zoom | 4000 |
| 4.184 | H | 24x7 | 20000 |
| 4.184 | H | INDIA | 20000 |
| 4.184 | H | METRO | 20000 |
| 4.184 | H | PROFIT | 20000 |
| 4.184 | H | TEST2 | 20000 |
| 4.184 | H | TEST3 | 20000 |
| 4.184 | H | TEST4 | 20000 |
| 4.189 | V | IMAGINE | 12207 |
| 4.189 | V | LIFEST | 12207 |
| 4.189 | V | LUMIER | 12207 |
| 4.189 | V | SHWBIZ | 12207 |

South East Asia
EUTELSAT W5
70.5 East

| Freq GHz | Pol | Channel Name | Symbol rate |
|---|---|---|---|
| 11.305 | V | AIT International | 17360 |
| 11.305 | V | C-Music | 17360 |
| 11.305 | V | EuroNews Asia | 17360 |
| 11.334 | V | NTD TV | 6511 |
| 11.334 | V | Minghui Radio | 6511 |
| 11.334 | V | Sound of Hope Statio | 6511 |
| 11.334 | V | Sound of Hope Statio | 6511 |
| 11.242 | V | CH 450 VOA TV EUR | 27500 |
| 11.242 | V | CH 452 VOA TV ASI | 27500 |
| 11.242 | V | CH 453 VOA/RFE/RL | 27500 |
| 11.242 | V | CH 454 VOA/RFE/RL | 27500 |
| 11.242 | V | CH 455 VOA/RFE/RL | 27500 |
| 11.242 | V | CH 451 VOA/RFE/RL | 27500 |
| 11.242 | V | CH 456 VOA/RFE/RL | 27500 |
| 11.242 | V | CH 457 VOA/RFE/RL | 27500 |
| 11.242 | V | CH 458 VOA/RFE/RL | 27500 |
| 11.242 | V | CH 459 VOA | 27500 |
| 11.242 | V | CH 460 VOA | 27500 |
| 11.242 | V | CH 461 VOA/RFE/RL | 27500 |
| 11.242 | V | CH 462 RFA | 27500 |
| 11.242 | V | CH 463 VOA/RFE/RL | 27500 |
| 11.242 | V | CH 464 VOA | 27500 |
| 11.242 | V | CH 465 VOA | 27500 |
| 11.242 | V | CH 466 VOA | 27500 |
| 11.242 | V | CH 467 VOA | 27500 |

Europe
EUTELSAT W5
70.6 East

| Freq GHz | Pol | Channel Name | Symbol rate |
|---|---|---|---|
| 11.214 | H | ENG | 13020 |
| 11.214 | H | FR | 13020 |
| 11.214 | H | ENGRAD | 13020 |
| 11.214 | H | FRRAD | 13020 |
| 11.214 | H | CBCRAD | 13020 |
| 11.214 | H | DND_Audio | 13020 |
| 11.378 | V | TVBPV1 | 7440 |
| 11.378 | V | TVBPV2 | 7440 |
| 11.378 | V | TVBPV3 | 7440 |
| 11.378 | V | TVBPV4 | 7440 |
| 11.210 | H | ENG | 6509 |
| 11.210 | H | FR | 6509 |
| 11.210 | H | ENGRAD | 6509 |
| 11.210 | H | FRRAD | 6509 |
| 11.210 | H | CBCRAD | 6509 |
| 11.210 | H | DND_Audio | 6509 |

Africa
C-Band: INTELSAT 4
72.0 East

| Freq GHz | Pol | Channel Name | Symbol rate |
|---|---|---|---|
| 3.730 | H | CCTV | 10500 |
| 3.730 | H | DCC | 10500 |
| 3.730 | H | RTGA | 10500 |
| 3.730 | H | RTNC 1 | 10500 |
| 3.730 | H | RADIO 1 | 10500 |
| 3.730 | H | RADIO 2 | 10500 |
| 3.730 | H | RADIO 3 | 10500 |
| 3.730 | H | RADIO 4 | 10500 |
| 3.730 | H | RADIO SARVICE 5 | 10500 |
| ● 3.710 | H | {Empty Name} | 2083 |

Europe
INTELSAT 4
72.1 East
INT004K1

| Freq GHz | Pol | Channel Name | Symbol rate |
|---|---|---|---|
| 12.518 | V | NEWS ONE | 8232 |
| 12.518 | V | RU MUSIC | 8232 |
| 12.518 | V | EUROPA FM | 8232 |
| 12.518 | V | RADIO.5 | 8232 |

South Africa
INTELSAT 4
72.2 East
INT004SH

| Freq GHz | Pol | Channel Name | Symbol rate |
|---|---|---|---|
| 12.505 | H | eTV | 2500 |
| 12.544 | H | Asianet | 1480 |
| 12.544 | H | eTV | 1480 |
| 12.544 | V | Asianet | 1480 |

C-Band: INSAT 3C
74.0 East

| Freq GHz | Pol | Channel Name | Symbol rate |
|---|---|---|---|
| 3.780 | H | DD NATIONAL 3C | 6250 |
| 4.166 | H | CEC-UGC-4 | 26000 |
| 4.166 | H | EKLAVYA-3 | 26000 |
| 4.166 | H | GYANDARSHAN-1 | 26000 |
| 4.166 | H | GYANDARSHAN-2 | 26000 |
| 4.166 | H | GYANVANI-6 | 26000 |
| 4.166 | H | KISAN-5 | 26000 |

EDUSAT, INSAT 4CR
74.1 East
EDU001KU

| Freq GHz | Pol | Channel Name | Symbol rate |
|---|---|---|---|
| 10.954 | H | DSERT-VIDYAVAHINI | 1700 |
| 10.958 | H | EDUSAT-VTU | 1808 |
| 10.966 | H | SLRC2 | 2143 |
| ● 10.969 | H | KAIRALI TV | 2000 |
| 10.979 | H | VICTERS | 3000 |
| ● 11.674 | V | COCHIN. | 3000 |
| ● 11.678 | V | DEFAULT | 3000 |

South-East Asia
ABS-1
75.0 East
ABS001SB

| Freq GHz | Pol | Channel Name | Symbol rate |
|---|---|---|---|
| 12.507 | H | ALGhadeer | 2500 |
| 12.579 | H | 1TVRUS Asia | 22000 |
| 12.579 | H | 3ABN | 22000 |
| 12.579 | H | APOSTOLIC ONENESS | 22000 |
| 12.579 | H | JCTV | 22000 |
| 12.579 | H | NET-25 | 22000 |
| 12.579 | H | Smile of A Child | 22000 |
| 12.579 | H | Supreme Master TV | 22000 |
| 12.579 | H | TBN | 22000 |
| 12.579 | H | The Church Channel | 22000 |
| ● 12.579 | H | The Healing Channel | 22000 |
| 12.600 | H | ROCD | 5168 |

C-Band: ABS-1
75.1 East
ABS001CB

| Freq GHz | Pol | Channel Name | Symbol rate |
|---|---|---|---|
| ● 3.579 | H | ABTV2 | 9600 |
| ● 3.579 | H | ABTV3 | 9600 |
| ● 3.579 | H | ABTV4 | 9600 |
| ● 3.579 | H | ABTV1 | 9600 |
| ● 3.579 | H | ABTV5 | 9600 |
| ● 3.579 | H | ABTV6 | 9600 |
| ● 3.579 | H | ABTV7 | 9600 |
| ● 3.579 | H | BIG FM | 9600 |
| ● 3.579 | H | FM 90.5 | 9600 |
| ● 3.579 | H | PSL | 9600 |
| ● 3.579 | H | RS RADIO | 9600 |
| ● 3.607 | H | MTI | 6110 |
| ● 3.653 | V | UKTV | 8880 |
| ● 3.653 | V | RR-PROMO | 8880 |
| 3.660 | H | World Fashion Channe | 27500 |
| ● 3.660 | H | DESH TV | 27500 |
| 3.660 | H | GCN TV | 27500 |
| 3.660 | H | ITV+ | 27500 |

China
ABS-1
75.2 East
ABS001NB

| Freq GHz | Pol | Channel Name | Symbol rate |
|---|---|---|---|
| 12.519 | V | Israel+ | 22000 |
| 12.519 | V | TV1000 (+21) | 22000 |
| 12.519 | V | TV1000 East (FSS) | 22000 |
| 12.519 | V | TV1000 Ru Kino | 22000 |
| 12.519 | V | Viasat Explorer (FSS | 22000 |
| 12.519 | V | Viasat History (FSS) | 22000 |
| 12.519 | V | Viasat Sport | 22000 |
| 12.519 | V | DTV-2 | 22000 |
| 12.519 | V | Radio 21 | 22000 |
| 12.549 | V | 24Techno | 22000 |
| 12.549 | V | AXN-ScFi-Ru | 22000 |
| 12.549 | V | Detsky | 22000 |
| 12.549 | V | HCT | 22000 |
| 12.549 | V | Russkij illuzion | 22000 |
| 12.549 | V | Russkiy Extream | 22000 |
| 12.549 | V | TV-21 | 22000 |
| 12.549 | V | Fashion-TV | 22000 |
| 12.549 | V | Gameplay | 22000 |
| 12.549 | V | illuzion + | 22000 |
| 12.549 | V | Inter+ | 22000 |
| 12.549 | V | Zoo | 22000 |
| 12.610 | V | Fox Crime | 22000 |
| 12.610 | V | Fox Life | 22000 |
| 12.610 | V | Jetix Russia | 22000 |
| 12.610 | V | Gameplay | 22000 |
| 12.610 | V | Prodengi | 22000 |
| 12.610 | V | TPO | 22000 |
| 12.641 | V | CTC+7 | 22000 |
| 12.641 | V | HOME+7R | 22000 |
| 12.641 | V | DTV-0 | 22000 |
| 12.641 | V | HTB | 22000 |
| 12.641 | V | HTB-3 | 22000 |
| 12.641 | V | RBC TV | 22000 |
| 12.671 | V | Discovery Channel | 22000 |
| 12.671 | V | ESP Russian | 22000 |
| 12.671 | V | ESP2 Russian | 22000 |
| 12.671 | V | Fenix-Art | 22000 |
| 12.671 | V | Mat' i Ditya | 22000 |
| 12.671 | V | NAT GEO | 22000 |
| 12.671 | V | 2X2 | 22000 |
| 12.671 | V | LUXE TV | 22000 |
| 12.671 | V | TVclub | 22000 |
| 12.671 | V | DOPO*HOE | 22000 |
| 12.671 | V | New Life Radio | 22000 |
| 12.695 | V | Endemol | 10000 |
| 12.695 | V | MGOU | 10000 |
| 12.695 | V | Mir Service | 10000 |
| 12.695 | V | MIR-TV | 10000 |
| 12.695 | V | MIR-TV +3 | 10000 |
| 12.695 | V | Videofilm | 10000 |
| 12.695 | V | MIR Radio Service | 10000 |
| 12.695 | V | Radio MIR | 10000 |
| 12.740 | V | Tajik TV | 7242 |
| 12.740 | V | TV Bakhoriston | 7242 |
| 12.740 | V | TV Safina | 7242 |
| 12.740 | V | Tajik TV | 7247 |
| 12.740 | V | TV Bakhoriston | 7247 |
| 12.740 | V | TV Safina | 7247 |

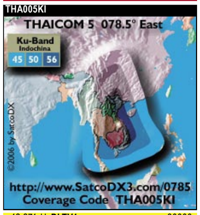
TELSTAR 10
76.5 East

| Freq GHz | Pol | Channel Name | Symbol rate |
|---|---|---|---|
| 12.280 | V | AD-HOC[UB05] | 22425 |
| 12.280 | V | BLTV 人間衛視 [UB02] | 22425 |
| 12.280 | V | CONGRESS 國會衛星 [U | 22425 |
| 12.280 | V | HZ 華藏[UB07] | 22425 |
| 12.280 | V | LIFE TV 生命電視台[UB04 | 22425 |
| 12.280 | V | MAC TV 宏觀(UB10) | 22425 |
| 12.280 | V | TZUCHI 慈濟大愛 [UB01 | 22425 |
| 12.280 | V | UCTV 法界衛星 新[UB03] | 22425 |
| 12.280 | V | 大利電視台[UB06] | 22425 |
| 12.280 | V | 蓬萊綜合台[UB09] | 22425 |
| 12.308 | V | CSN °ê®õ[UB306] | 22425 |
| 12.308 | V | EF TV¹B³q[UB304] | 22425 |
| 12.308 | V | HB ¤¤µØ¥ø·~ [UB303] | 22425 |
| 12.308 | V | HS «í¥Í[UB307] | 22425 |
| 12.308 | V | TACT¥xÃÀ[UB301] | 22425 |
| 12.308 | V | FINANCE °]°T°]¸g¥x | 22425 |
| 12.308 | V | SBN ¾Ç³Ì°]¸g[UB308] | 22425 |
| 12.308 | V | World ¥@¬É[UB302] | 22425 |
| 12.308 | V | 3033_KFC | 22425 |
| 12.308 | V | 3001_US New songs & | 22425 |
| 12.308 | V | 3002_US Popular Song | 22425 |
| 12.308 | V | 3003_Sweet Love Song | 22425 |
| 12.308 | V | 3004_50 & 60 Popular | 22425 |
| 12.308 | V | 3005_R&B | 22425 |
| 12.308 | V | 3006_Hip Hop | 22425 |
| 12.308 | V | 3007_Party Music | 22425 |
| 12.308 | V | 3008_Rock Music | 22425 |
| 12.308 | V | 3009_Jazz Vocal | 22425 |
| 12.308 | V | 3010_Jazz Main Strea | 22425 |
| 12.308 | V | 3011_Lounge | 22425 |
| 12.308 | V | 3012_Enke | 22425 |
| 12.308 | V | 3013_Japanese Popuar | 22425 |
| 12.308 | V | 3014_J&T Station | 22425 |
| 12.308 | V | 3015_Bossa Nova | 22425 |
| 12.308 | V | 3016_Classical | 22425 |
| 12.308 | V | 3017_Piano Easy List | 22425 |
| 12.308 | V | 3018_Crystal Music | 22425 |
| 12.308 | V | 3019_Soft Hearing | 22425 |
| 12.308 | V | 3020_Season Music | 22425 |
| 12.308 | V | 3021_Old Deck | 22425 |
| 12.308 | V | 3022_Chinese Best Se | 22425 |
| 12.308 | V | 3023_Chinese Soft So | 22425 |
| 12.308 | V | 3024_Chinese Classic | 22425 |
| 12.308 | V | 3025_Children Music | 22425 |
| 12.308 | V | 3026_Easy Listening | 22425 |
| 12.308 | V | 3027_Birthday Songs | 22425 |
| 12.308 | V | 3028_Wedding And Goo | 22425 |
| 12.308 | V | 3029_Sweet Love Chan | 22425 |
| 12.308 | V | 3030_Pop Music Pop | 22425 |
| 12.308 | V | 3031_3357 | 22425 |
| 12.308 | V | 3032_Napoli | 22425 |
| 12.308 | V | 3034_Audrey | 22425 |
| 12.308 | V | 3035_KF | 22425 |
| 12.308 | V | 3036_Crystal &Piano | 22425 |
| 12.308 | V | 3037_Fashion Music | 22425 |
| 12.308 | V | 3038_Soft Music | 22425 |
| 12.308 | V | 3039_KG | 22425 |
| 12.308 | V | 3040_Asia Radio | 22425 |
| 12.406 | V | afa TV µØ¤HÀ¸¼@[UB61 | 30000 |
| 12.406 | V | GOLDSUN TV °ê¿³[U | 30000 |
| 12.406 | V | HOLLYWOOD ¦nµÜ¶õ¹ | 30000 |
| 12.406 | V | JET[UB606] | 30000 |
| 12.406 | V | PTV-1 ¤¤¤Ñ·s»D[UB6 | 30000 |
| 12.406 | V | PTV-2 ¤¤¤Ñ°ï¦X[UB6 | 30000 |
| 12.406 | V | PTV-3 ¤¤¤Ñ®T¼Ö[UB6 | 30000 |
| 12.406 | V | afa TV µØ¤H°Ó·~¥x[UB | 30000 |
| 12.406 | V | GOOD2 ¦n®ø®§¤G¥x[U | 30000 |
| 12.406 | V | Null¹w³ÆÀW¹D[UB600] | 30000 |
| 12.406 | V | Null¹w³ÆÀW¹D[UB604] | 30000 |
| 12.406 | V | «ax(UB612) | 30000 |
| 12.406 | V | 133_KFC | 30000 |
| 12.406 | V | 101_US New songs & C | 30000 |
| 12.406 | V | 102_US Popular Songs | 30000 |
| 12.406 | V | 103_Sweet Love Songs | 30000 |
| 12.406 | V | 104_50 & 60 Popular | 30000 |
| 12.406 | V | 105_R&B | 30000 |
| 12.406 | V | 106_Hip Hop | 30000 |
| 12.406 | V | 107_Party Music | 30000 |
| 12.406 | V | 108_Rock Music | 30000 |
| 12.406 | V | 109_Jazz Vocal | 30000 |
| 12.406 | V | 110_Jazz Main Stream | 30000 |
| 12.406 | V | 111_Lounge | 30000 |
| 12.406 | V | 112_Enke | 30000 |
| 12.406 | V | 113_Japanese Popuar | 30000 |
| 12.406 | V | 114_J&T Station | 30000 |
| 12.406 | V | 115_Bossa Nova | 30000 |
| 12.406 | V | 116_Classical | 30000 |
| 12.406 | V | 117_Piano Easy Liste | 30000 |
| 12.406 | V | 118_Crystal Music | 30000 |
| 12.406 | V | 119_Soft Hearing | 30000 |
| 12.406 | V | 120_Season Music | 30000 |
| 12.406 | V | 121_Old Deck | 30000 |
| 12.406 | V | 122_Chinese Best Sel | 30000 |
| 12.406 | V | 123_Chinese Soft Son | 30000 |
| 12.406 | V | 124_Chinese Classica | 30000 |
| 12.406 | V | 125_Children Music | 30000 |
| 12.406 | V | 126_Easy Listening | 30000 |
| 12.406 | V | 127_Birthday Songs | 30000 |
| 12.406 | V | 128_Wedding And Good | 30000 |
| 12.406 | V | 129_Sweet Love Chann | 30000 |
| 12.406 | V | 130_Pop Music Pop | 30000 |
| 12.406 | V | 131_3375 | 30000 |
| 12.406 | V | 132_Napoli | 30000 |
| 12.406 | V | 134_Audrey | 30000 |
| 12.406 | V | 135_KF | 30000 |
| 12.406 | V | 136_Crystal &Piano M | 30000 |
| 12.406 | V | 137_Fashion Music | 30000 |
| 12.406 | V | 138_Soft Music | 30000 |
| 12.406 | V | 139_KG | 30000 |
| 12.406 | V | 140_Asia Radio | 30000 |
| 12.434 | H | DVB | 10000 |
| 12.434 | H | ZHONGGUANG | 10000 |
| 12.462 | V | Boss Golf | 22425 |
| 12.462 | V | CTS 華視 | 22425 |
| 12.462 | V | CTV 中視 | 22425 |
| 12.462 | V | FTV 民視 | 22425 |
| 12.462 | V | PTS 公視 | 22425 |
| 12.462 | V | TVBS | 22425 |
| 12.462 | V | Asia Trave 亞洲旅遊 | 22425 |
| 12.462 | V | PR-CH 公告頻道 | 22425 |
| 12.462 | V | TTV台視 | 22425 |
| 12.491 | V | DesireTV | 22425 |
| 12.491 | V | DISNEY 迪士尼 | 22425 |
| 12.491 | V | G&PTV | 22425 |
| 12.491 | V | SETI 三立國際 | 22425 |
| 12.491 | V | TVBS-G | 22425 |
| 12.491 | V | TVBS-N | 22425 |
| 12.491 | V | UNTV | 22425 |
| 12.491 | V | FTV News | 22425 |
| 12.530 | V | ET Variety 東森綜合台 | 30000 |
| 12.530 | V | ETtoday 財經生活台 | 30000 |
| 12.530 | V | ETTV ASIA 東森亞洲衛視 | 30000 |
| 12.530 | V | ETTV Drama 東森戲劇台 | 30000 |
| 12.530 | V | ETTV MOVIE東森電影台 | 30000 |
| 12.530 | V | ETTV News 東森新聞台 | 30000 |
| 12.530 | V | ETTV SERVICE 12 | 30000 |
| 12.530 | V | ETTV SERVICE 6 | 30000 |
| 12.530 | V | STV 2 | 30000 |
| 12.530 | V | STV 超視台 | 30000 |
| 12.530 | V | Yo Yo TV 東森幼幼台 | 30000 |
| 12.530 | V | ET ASIA NEWS 東森亞洲新 | 30000 |
| 12.530 | V | ETTV SERVICE 10 | 30000 |
| 12.530 | V | ETTV SERVICE 11 | 30000 |
| 12.700 | V | Xizang TV1 | 5656 |
| 12.700 | V | Xizang TV2 | 5656 |

C-Band: TELSTAR 10
76.6 East
TEL010CG

| Freq GHz | Pol | Channel Name | Symbol rate |
|---|---|---|---|
| 3.646 | V | Racing International | 5065 |
| ● 3.646 | V | SA Clean Feed | 5065 |
| 3.658 | H | SHANGRI-LA TV | 3215 |
| 3.680 | H | BBC India | 27500 |
| 3.680 | H | BBC India Hindi | 27500 |
| 3.680 | H | BBC Knowledge | 27500 |
| 3.680 | H | BBC LifeStyle | 27500 |
| 3.680 | H | BIG 10 | 27500 |
| 3.680 | H | CBeeBies | 27500 |
| 3.680 | H | Tamil Box Office | 27500 |
| 3.680 | H | Adhoc Feed | 27500 |
| 3.680 | H | ERT | 27500 |
| 3.706 | V | GLTV | 6715 |
| 3.706 | V | International 2 | 6715 |
| ● 3.720 | H | Hallmark Asia NTSC | 29270 |
| ● 3.720 | H | Hallmark Asia NTSC | 29270 |
| ● 3.720 | H | Hallmark Asia NTSC | 29270 |
| ● 3.720 | H | Hallmark Asia PAL | 29270 |
| ● 3.720 | H | Hallmark Asia PAL | 29270 |
| ● 3.720 | H | Hallmark Asia PAL | 29270 |
| ● 3.720 | H | Hallmark Asia PAL | 29270 |
| ● 3.720 | H | KidsCO AA NTSC | 29270 |
| ● 3.720 | H | KidsCO AA PAL | 29270 |
| ● 3.720 | H | KidsCO Cantonese Fee | 29270 |
| ● 3.720 | H | Virtual Hallmark A | 29270 |
| ● 3.720 | H | Virtual Hallmark A | 29270 |
| ● 3.720 | H | OU | 29270 |
| 3.760 | H | ALSHA | 28066 |
| 3.760 | H | BOM | 28066 |
| 3.760 | H | ESC1 | 28066 |
| 3.760 | H | K15 | 28066 |
| 3.760 | H | MAZZ | 28066 |
| 3.760 | H | MKTV | 28066 |
| 3.760 | H | NDM | 28066 |
| 3.760 | H | NEW TV | 28066 |
| 3.760 | H | NVAR | 28066 |
| 3.760 | H | ROTT | 28066 |
| ● 3.760 | H | CH30 | 28066 |
| 3.760 | H | DSPT | 28066 |
| 3.760 | H | DTV | 28066 |
| 3.760 | H | SAMA | 28066 |
| 3.760 | H | SITEL | 28066 |
| 3.760 | H | AGNI | 28066 |
| 3.760 | H | ALB | 28066 |
| 3.760 | H | ALRA | 28066 |
| 3.760 | H | BH1R | 28066 |
| ● 3.760 | H | DEUTERO 91.1 | 28066 |
| 3.760 | H | DWLS | 28066 |
| 3.760 | H | ELQN | 28066 |
| 3.760 | H | IASA | 28066 |
| 3.760 | H | MGF | 28066 |
| ● 3.760 | H | PROTO 97.2 | 28066 |
| 3.760 | H | ROSA | 28066 |
| 3.760 | H | SOUT | 28066 |
| 3.760 | H | SUPERFM | 28066 |
| ● 3.760 | H | TRITO 94.8 | 28066 |
| ● 3.760 | H | R130 | 28066 |
| 3.780 | V | 4E | 28062 |
| 3.780 | V | ALPHA | 28062 |
| 3.780 | V | ALTG | 28062 |
| 3.780 | V | ATV | 28062 |
| 3.780 | V | ESTAR | 28062 |
| 3.780 | V | EURO D | 28062 |
| 3.780 | V | MAD | 28062 |
| 3.780 | V | MEGA | 28062 |
| 3.780 | V | NTV | 28062 |
| 3.780 | V | SHOW | 28062 |
| 3.780 | V | STAR | 28062 |
| 3.780 | V | AGHAPY TV | 28062 |
| 3.780 | V | ERT | 28062 |
| 3.780 | V | RIKSAT | 28062 |
| 3.780 | V | SAMANYOLU TV | 28062 |
| 3.780 | V | ALEM FM | 28062 |
| 3.780 | V | ATHN | 28062 |
| 3.780 | V | BEST FM | 28062 |
| 3.780 | V | BURC | 28062 |
| 3.780 | V | COG | 28062 |
| 3.780 | V | ERAS | 28062 |
| 3.780 | V | ESFM | 28062 |
| 3.780 | V | ISFM | 28062 |
| 3.780 | V | KRAL FM | 28062 |
| 3.780 | V | MELO | 28062 |
| 3.780 | V | RADIO D | 28062 |
| 3.780 | V | REBLAIKA | 28062 |
| 3.780 | V | SFERA | 28062 |
| 3.780 | V | SOHO FM | 28062 |
| 3.780 | V | THES | 28062 |
| 3.787 | H | ETV ENC B | 4600 |
| ● 3.793 | H | Diganta TV | 4340 |
| ● 3.840 | H | ART TV | 27500 |
| ● 3.840 | H | BABY TV | 27500 |
| ● 3.840 | H | BBC WORLD | 27500 |
| ● 3.840 | H | EURONEWS | 27500 |
| ● 3.840 | H | Fashion TV | 27500 |
| ● 3.840 | H | KidsCo | 27500 |
| ● 3.840 | H | MCM TOP | 27500 |
| ● 3.840 | H | MTV BASE | 27500 |
| ● 3.840 | H | LUXE.TV HD | 27500 |
| 3.840 | H | BFTV | 27500 |
| ● 3.840 | H | FEED | 27500 |
| ● 3.840 | H | CTV | 27500 |
| 3.840 | H | DVB | 27500 |
| 3.840 | H | LOVE MUSIC | 27500 |
| 3.840 | H | My TV | 27500 |
| 3.840 | H | THE SOUNDTRACK CH | 27500 |
| 3.840 | H | Angel 3-L/4-R | 27500 |
| 3.840 | H | Angel6PalauFM | 27500 |
| 4.031 | V | TVM | 6312 |
| 4.031 | V | VOM | 6312 |
| 4.034 | H | CHANNEL-I | 4300 |
| 4.057 | H | Service 2 | 3215 |
| 4.071 | H | BBC Arabic | 13021 |
| 4.071 | H | BBC Asia Feed 1 | 13021 |
| ● 4.071 | H | BBC Asia Feed 2 | 13021 |
| ● 4.071 | H | BBC Asia Feed 3 | 13021 |
| ● 4.071 | H | BBC Asia Feed 4 | 13021 |
| ● 4.071 | H | BBC Asia Feed 5 | 13021 |
| ● 4.071 | H | BBC Asia Feed 6 | 13021 |
| 4.071 | H | BBC Azeri | 13021 |
| 4.071 | H | BBC Bengali | 13021 |
| 4.071 | H | BBC Burmese | 13021 |
| 4.071 | H | BBC Dari | 13021 |
| 4.071 | H | BBC English (E Asi | 13021 |
| 4.071 | H | BBC English (Europe) | 13021 |
| 4.071 | H | BBC English (S Asi | 13021 |
| 4.071 | H | BBC English Mid-Ea | 13021 |
| 4.071 | H | BBC English News | 13021 |
| 4.071 | H | BBC Farsi | 13021 |
| 4.071 | H | BBC Hindi | 13021 |
| 4.071 | H | BBC Indonesian | 13021 |
| 4.071 | H | BBC Kirghiz | 13021 |
| 4.071 | H | BBC Mandarin | 13021 |
| 4.071 | H | BBC Pashto | 13021 |
| 4.071 | H | BBC Russian | 13021 |
| 4.071 | H | BBC Russian (C Asi | 13021 |
| 4.071 | H | BBC Tajik | 13021 |
| 4.071 | H | BBC Turkish | 13021 |
| 4.071 | H | BBC Urdu | 13021 |
| 4.071 | H | BBC Uzbek | 13021 |
| 4.071 | H | BBC Vietnamese | 13021 |
| 4.086 | H | BKT 1 | 2532 |
| ● 4.089 | H | BOISHAKHI TV | 4300 |
| 4.096 | H | Channel One | 4080 |
| 4.106 | H | MNC INTERNATIONAL | 3125 |
| 4.147 | H | IslamicTV | 3600 |
| 4.174 | H | nTV DVB | 7400 |
| 4.174 | H | RTV DVB | 7400 |
| ● 3.880 | H | DC-Asia (Bahasa) | 28125 |
| ● 3.880 | H | DC-Asia (NTSC) Phi | 28125 |
| ● 3.880 | H | DC-Asia (NTSC) Phi | 28125 |
| ● 3.880 | H | DC-Asia (PAL) | 28125 |
| ● 3.880 | H | DC-Asia (Thai) | 28125 |
| ● 3.880 | H | DC-Asia with Cue-Ton | 28125 |
| ● 3.880 | H | DC-India (English) | 28125 |
| ● 3.880 | H | DC-India (Hindi) | 28125 |
| ● 3.880 | H | DC-India (Tamil) | 28125 |
| ● 3.880 | H | DC-India (Telugu) | 28125 |
| ● 3.880 | H | DC-Korea (NTSC) w/ | 28125 |
| ● 3.880 | H | PDC-Asia (Bahasa) | 28125 |
| ● 3.880 | H | PDC-Asia (NTSC) | 28125 |
| ● 3.880 | H | PDC-Asia (PAL) | 28125 |
| ● 3.880 | H | PDC-Asia (Thai) | 28125 |
| ● 3.880 | H | PDC-India (English) | 28125 |
| ● 3.880 | H | Toon-India (English) | 28125 |
| ● 3.880 | H | Toon-India (Hindi) | 28125 |
| ● 3.880 | H | Toon-India (Tamil) | 28125 |
| ● 3.880 | H | Toon-India (Telugu) | 28125 |

THAICOM 2,5
78.5 East
THA005KI




| Freq GHz | Pol | Channel Name | Symbol rate |
|---|---|---|---|
| 12.271 | H | DLTV1 | 30000 |
| 12.271 | H | DLTV10 | 30000 |
| 12.271 | H | DLTV11 | 30000 |
| 12.271 | H | DLTV12 | 30000 |
| 12.271 | H | DLTV13 | 30000 |
| 12.271 | H | DLTV14 | 30000 |
| 12.271 | H | DLTV15 | 30000 |
| 12.271 | H | DLTV2 | 30000 |
| 12.271 | H | DLTV3 | 30000 |
| 12.271 | H | DLTV4 | 30000 |
| 12.271 | H | DLTV5 | 30000 |
| 12.271 | H | DLTV6 | 30000 |
| 12.271 | H | DLTV7 | 30000 |
| 12.271 | H | DLTV8 | 30000 |
| 12.271 | H | DLTV9 | 30000 |
| 12.271 | H | ETV | 30000 |
| 12.271 | H | MONY | 30000 |
| 12.271 | H | TGN | 30000 |
| 12.271 | H | FM92 | 30000 |
| ● 12.313 | H | D-Channel | 30000 |
| 12.313 | H | EarthOne | 30000 |
| ● 12.313 | H | Fan TV | 30000 |
| 12.313 | H | FilMagix | 30000 |
| 12.313 | H | Future1 | 30000 |
| 12.313 | H | KIDS CLUB | 30000 |
| 12.313 | H | Modern9 TV | 30000 |
| 12.313 | H | NBT | 30000 |
| 12.313 | H | Newsline | 30000 |
| 12.313 | H | Thai TV3 | 30000 |
| 12.313 | H | TPBS | 30000 |
| 12.313 | H | TV5 | 30000 |
| 12.313 | H | TV7 | 30000 |
| 12.313 | H | TVTV | 30000 |
| 12.313 | H | Dhamma | 30000 |
| 12.313 | H | Parliament TV | 30000 |
| 12.313 | H | Test | 30000 |
| 12.313 | H | Vacant | 30000 |
| 12.313 | H | FM 101.0 MHz | 30000 |
| 12.313 | H | FM 101.75 MHz | 30000 |
| 12.313 | H | FM 102.5 MHz | 30000 |
| 12.313 | H | FM 103.5 MHz | 30000 |
| ● 12.272 | H | DLTV1 | 30000 |
| ● 12.272 | H | DLTV10 | 30000 |
| ● 12.272 | H | DLTV11 | 30000 |
| ● 12.272 | H | DLTV12 | 30000 |
| ● 12.272 | H | DLTV13 | 30000 |
| ● 12.272 | H | DLTV14 | 30000 |
| ● 12.272 | H | DLTV15 | 30000 |
| ● 12.272 | H | DLTV2 | 30000 |
| ● 12.272 | H | DLTV3 | 30000 |
| ● 12.272 | H | DLTV4 | 30000 |
| ● 12.272 | H | DLTV5 | 30000 |
| ● 12.272 | H | DLTV6 | 30000 |
| ● 12.272 | H | DLTV7 | 30000 |
| ● 12.272 | H | DLTV8 | 30000 |
| ● 12.272 | H | DLTV9 | 30000 |
| ● 12.272 | H | ETV | 30000 |
| ● 12.272 | H | MONY | 30000 |
| ● 12.272 | H | TGN | 30000 |
| ● 12.272 | H | FM92 | 30000 |
| ● 12.313 | V | D-Channel | 30000 |
| 12.313 | V | EarthOne | 30000 |
| ● 12.313 | V | Fan TV | 30000 |
| 12.313 | V | FilMagix | 30000 |
| 12.313 | V | KIDS CLUB | 30000 |
| 12.313 | V | Modern9 TV | 30000 |
| 12.313 | V | NBT | 30000 |
| 12.313 | V | Thai TV3 | 30000 |
| 12.313 | V | TPBS | 30000 |
| 12.313 | V | TV5 | 30000 |
| 12.313 | V | TV7 | 30000 |
| 12.313 | V | TVTV | 30000 |
| 12.313 | V | Dhamma | 30000 |
| 12.313 | V | Parliament TV | 30000 |
| 12.313 | V | FM 101.0 MHz | 30000 |
| 12.313 | V | FM 101.75 MHz | 30000 |
| 12.313 | V | FM 102.5 MHz | 30000 |
| 12.313 | V | FM 103.5 MHz | 30000 |
| ● 12.355 | H | Australia Television | 30000 |
| 12.355 | H | D-Asian | 30000 |
| 12.355 | H | D-Movie | 30000 |
| ● 12.355 | H | FOX Crime | 30000 |
| ● 12.355 | H | Future3 | 30000 |
| ● 12.355 | H | Future4 | 30000 |
| 12.355 | H | Lao Star Channel | 30000 |
| 12.355 | H | LNTV | 30000 |
| 12.355 | H | Music Lifestyle | 30000 |
| 12.355 | H | MySci | 30000 |
| ● 12.355 | H | Nat Geo Wild | 30000 |
| 12.355 | H | Next Step Television | 30000 |
| 12.355 | H | Samrujlok | 30000 |
| 12.355 | H | Siam Sport Channel | 30000 |
| 12.355 | H | T-Sports | 30000 |
| 12.355 | H | Look Thoung Rak Thai | 30000 |
| 12.355 | H | Popper Radio | 30000 |
| 12.438 | H | CH-3 | 30000 |
| 12.438 | H | CH-5 | 30000 |
| 12.438 | H | CH-7 | 30000 |
| 12.438 | H | CH-9 | 30000 |
| 12.438 | H | FL A | 30000 |
| 12.438 | H | HBO | 30000 |
| 12.438 | H | MOVH | 30000 |
| 12.438 | H | NBT | 30000 |
| 12.438 | H | RS09 | 30000 |
| 12.438 | H | SMES | 30000 |
| 12.438 | H | TNN | 30000 |
| 12.438 | H | TNN2 | 30000 |
| 12.438 | H | TPBS | 30000 |
| 12.438 | H | 70'S | 30000 |
| 12.438 | H | 80'S | 30000 |
| 12.438 | H | BLUE | 30000 |
| 12.438 | H | CLAS | 30000 |
| 12.438 | H | CLRK | 30000 |
| 12.438 | H | CONT | 30000 |
| 12.438 | H | DISC | 30000 |
| 12.438 | H | INST | 30000 |
| 12.438 | H | JAZZ | 30000 |
| 12.438 | H | JVOC | 30000 |
| 12.438 | H | LOVE | 30000 |
| 12.438 | H | R&B | 30000 |
| 12.438 | H | R&R | 30000 |
| 12.438 | H | RATP | 30000 |
| 12.438 | H | SOFT | 30000 |
| 12.479 | H | AFMV | 30000 |
| 12.479 | H | ASER | 30000 |
| 12.479 | H | CINM | 30000 |
| 12.479 | H | GSQ | 30000 |
| 12.479 | H | H-HA | 30000 |
| 12.479 | H | HALL | 30000 |
| 12.479 | H | insE | 30000 |
| ● 12.479 | H | RS18 | 30000 |
| 12.479 | H | RS24 | 30000 |
| 12.479 | H | RS25 | 30000 |
| 12.479 | H | SRES | 30000 |
| 12.479 | H | STMV | 30000 |
| 12.479 | H | XZYT | 30000 |
| 12.479 | H | ALT | 30000 |
| 12.479 | H | BBCW | 30000 |
| 12.479 | H | COOL | 30000 |
| 12.479 | H | DANC | 30000 |
| 12.479 | H | EURO | 30000 |
| 12.479 | H | GET | 30000 |
| 12.479 | H | GWV | 30000 |
| 12.479 | H | HOTT | 30000 |
| 12.479 | H | J100 | 30000 |
| 12.479 | H | LKTG | 30000 |
| 12.479 | H | METR | 30000 |
| 12.479 | H | MJNG | 30000 |
| 12.479 | H | RIVR | 30000 |
| 12.479 | H | SPT | 30000 |
| 12.479 | H | TMSC | 30000 |
| 12.521 | H | AMAX | 30000 |
| 12.521 | H | AXN | 30000 |
| 12.521 | H | BBCE | 30000 |
| 12.521 | H | CH-V | 30000 |
| 12.521 | H | CHIC | 30000 |
| 12.521 | H | E! | 30000 |
| 12.521 | H | LTNG | 30000 |
| 12.521 | H | MA | 30000 |
| 12.521 | H | MGM | 30000 |
| 12.521 | H | MTV | 30000 |
| 12.521 | H | SWLD | 30000 |
| 12.521 | H | TCM | 30000 |
| 12.521 | H | TMUS | 30000 |
| 12.521 | H | TVB | 30000 |
| 12.562 | H | ANPL | 25776 |
| 12.562 | H | CNN | 25776 |
| 12.562 | H | DSCV | 25776 |
| 12.562 | H | EXP1 | 25776 |
| 12.562 | H | EXP2 | 25776 |
| 12.562 | H | EXP3 | 25776 |
| 12.562 | H | HIST | 25776 |
| 12.562 | H | NGAV | 25776 |
| 12.562 | H | NGC | 25776 |
| 12.562 | H | SPRK | 25776 |
| 12.562 | H | STC | 25776 |
| 12.562 | H | TCCN | 25776 |
| 12.604 | H | BBC | 30000 |
| 12.604 | H | BMBG | 30000 |
| 12.604 | H | CCTV | 30000 |
| 12.604 | H | CNBC | 30000 |
| 12.604 | H | ESPN | 30000 |
| 12.604 | H | NHK | 30000 |
| 12.604 | H | SPRT | 30000 |
| 12.604 | H | TSP1 | 30000 |
| 12.604 | H | TSP2 | 30000 |
| 12.604 | H | TSP3 | 30000 |
| 12.604 | H | TSP4 | 30000 |
| 12.604 | H | TSP5 | 30000 |
| 12.604 | H | TV5 | 30000 |
| 12.657 | H | D HH | 30000 |
| ● 12.657 | H | D TB | 30000 |
| 12.657 | H | D TL | 30000 |
| 12.657 | H | Disn | 30000 |
| 12.657 | H | DisP | 30000 |
| 12.657 | H | DSci | 30000 |
| 12.657 | H | HBOF | 30000 |
| 12.657 | H | HBOH | 30000 |
| 12.657 | H | HBOS | 30000 |
| 12.657 | H | MCT1 | 30000 |
| 12.657 | H | MCT2 | 30000 |
| 12.657 | H | TSE1 | 30000 |
| 12.657 | H | TSE2 | 30000 |
| 12.720 | H | RS100 | 30000 |
| 12.720 | H | RS98 | 30000 |
| 12.720 | H | PPV1 | 30000 |
| 12.720 | H | PPV2 | 30000 |
| 12.720 | H | PREV | 30000 |
| 12.720 | H | RATV | 30000 |
| 12.720 | H | RS101 | 30000 |
| 12.720 | H | RS103 | 30000 |
| 12.720 | H | RS106 | 30000 |
| 12.720 | H | RS107 | 30000 |
| 12.720 | H | RS108 | 30000 |
| 12.720 | H | TATV | 30000 |

C-Band: THAICOM 2,5
78.6 East

| Freq GHz | Pol | Channel Name | Symbol rate |
|---|---|---|---|
| 3.431 | H | HADI TV | 13333 |
| 3.431 | H | MANMIN-TV | 13333 |
| 3.505 | H | KCTV | 3368 |
| ● 3.506 | V | Gang Cartoon Channel | 1852 |
| 3.551 | H | APOSTOLIC ONENESS | 13333 |
| ● 3.551 | H | ETN | 13333 |
| 3.551 | H | FTV INDIA | 13333 |
| 3.551 | H | GOD Africa | 13333 |
| 3.551 | H | Marine Biz TV | 13333 |

**TV** Digital
**Radio** Digital
**TV** Digital Crypt
**Radio** Digital Crypt
**TV** High Definition
**TV** High Definition Crypt

Międzynarodowe Targi Poznańskie
Poznań International Fair

meet the future

Poznań MediaExpo

# POZNAŃ MEDIA EXPO 2009

Date: **19-21 February 2009**
Venue: **Poznań International Fair** – Pavilion 3
Planned number of visitors – **12,000**

Feel cordially invited to **POZNAŃ MEDIA EXPO**, the first TV trade show ever organized in Poland. This new event, very much awaited for some time now, is intended to facilitate cooperation between everybody looking for a platform for communication, who want to exchange and share experiences, information and offers. The Poznań event offers all TV and media people the unique opportunity to meet in one place and at one time.

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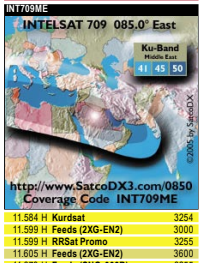
| | | | | |
|---|---|---|---|---|
| 3.551 H RAAD TV 13333 | 3.432 V Nepal Television 2 6664 | 3.991 V IMAYAM 13330 | 11.606 V 1TVRUS CIS 44948 | India |
| 3.551 H TRT INT 13333 | 3.449 H FTV HD 13330 | 3.991 V INDIASIGN TEST6 13330 | 11.606 V Neo Music 44948 | INSAT 3B,4A |
| 3.551 H Hornafrik Radio 13333 | 3.449 H God Greater China 13330 | 3.991 V SHAKTI 13330 | 11.606 V Ердиқ ТВ 44948 | 83.0 East |
| 3.551 H Radyo-2 (TRT FM) 13333 | 3.449 H Test 13330 | 3.991 V SS MUSIC 13330 | 11.606 V Китай 44948 | 11.090 H Aastha 27500 |
| 3.551 H TSR Turkce 13333 | 3.449 H Test 2 13330 | 3.991 V TARA PUNJABI 13330 | C-Band: EXPRESS AM2 | 11.090 H Channel V 27500 |
| 3.551 H VOT World 13333 | 3.449 V TV9_Cambodia 2222 | 4.005 V Indiasign Test 6665 | 80.1 East | 11.090 H DD Punjabi 27500 |
| 3.564 H VTV 4444 | 3.454 V AVENUESTV 3333 | 4.005 V TARA MUZIK 6665 | EXPAM2CR | 11.090 H Discovery T & L 27500 |
| 3.600 H S-LAND 26670 | 3.459 V TEST_LTV 2900 | 4.005 V TV Southasia 6665 | | 11.090 H Fashion TV 27500 |
| 3.600 H ACE CHANNEL 26670 | 3.490 V Sagarmatha 3333 | 4.107 V ATN-Bangla 6665 | | 11.090 H MTV 27500 |
| 3.600 H Big Brother 26670 | 3.502 V DhiTV 4445 | 4.136 V Apsara TV 4443 | | 11.090 H Nat Geo 27500 |
| 3.600 H DMC 26670 | 3.522 V LaoStar Channel 2915 | 4.136 V TV5 Cambodia 4443 | | 11.090 H UTVi 27500 |
| 3.600 H PEAK CHANNEL 26670 | 3.544 V EDN EDUTAINMENT N 30000 | 4.136 V FM 98 MHz Cambodia 4443 | | 11.090 H Zee Trendz 27500 |
| 3.600 H SINDH TV 26670 | 3.544 V M1 30000 | 4.169 V KTN-KARACHI 9600 | | 11.090 H 27500 |
| 3.600 H SLNTV 26670 | 3.544 V Movie Hits 30000 | 4.169 V DATA 9600 | | 11.170 H Asianet News 27500 |
| 3.600 H THAICOM 13 26670 | 3.544 V POP CHANNEL 30000 | 4.169 V KTN-KARACHI-A 9600 | | 11.170 H BBC WORLD 27500 |
| 3.600 H THAICOM 10 26670 | 3.544 V THAI CHAI YO 30000 | EXPRESS AM2 | | 11.170 H CNBC-TV18 27500 |
| 3.600 H THAICOM 4 26670 | 3.544 V THAICOM 12 30000 | 80.0 East | | 11.170 H CNN 27500 |
| 3.600 H THAICOM 9 26670 | 3.544 V THAICOM 13 30000 | EXPAM2KR | | 11.170 H Gemini News 27500 |
| 3.600 H TV5 Global 26670 | 3.544 V THAICOM 14 30000 | | | 11.170 H Jaya 27500 |
| 3.600 H Vibe 26670 | 3.544 V THAICOM 15 30000 | | | 11.170 H MH One 27500 |
| 3.600 H VTV 26670 | 3.544 V THAICOM 3 30000 | | | 11.170 H MI MARATHI 27500 |
| 3.600 H TGN_radio 26670 | 3.544 V THAICOM 4 30000 | | | 11.170 H NDTV Profit 27500 |
| 3.609 V MRTV 2500 | 3.544 V Variety One 30000 | | | 11.170 H Sun Music 27500 |
| 3.617 V 5-CARTOONS 12500 | 3.544 V FAN_TV 30000 | | | 11.170 H Sun News 27500 |
| 3.617 V 5-MOVIES 12500 | 3.544 V Mongkol Channel 30000 | | | 11.170 H TV9 - Kannada 27500 |
| 3.617 V 5-SERIES 12500 | 3.544 V MVTV_BANGKOK TODA 30000 | | | 11.170 H Zee Business 27500 |
| 3.617 V CNN 12500 | 3.544 V SBB TV 30000 | | | 11.170 H 27500 |
| 3.617 V ESPN 12500 | 3.544 V TV pool 30000 | | | C-Band: INSAT 2E,3B,4A |
| 3.617 V NGC WILD 12500 | 3.544 V 89 25Mhz Sanghathan 30000 | | | 83.1 East |
| 3.617 V STAR SPORTS 12500 | 3.575 H MRTV 7495 | | | INS02ECW |
| 3.617 V MRTV 12500 | 3.575 H MRTV3 7495 | | | |
| 3.617 V MRTV-4 12500 | 3.575 H MYANMARRADIO 7495 | | | |
| 3.617 V FM RADIO 12500 | 3.575 H RADIO2 7495 | | | |
| 3.617 V RADIO-2 12500 | 3.585 V TTN 26667 | | | |
| 3.640 H BABY TV 28062 | 3.585 V AI-NET CHANNEL 26667 | | | |
| 3.640 H Svt Europa 28062 | 3.585 V ETC 26667 | | | |
| 3.640 H 3ABN International 28062 | 3.585 V ETC PANJABI 26667 | | | |
| 3.640 H BVN 28062 | 3.585 V mvtv_h plus channel 26667 | | | |
| 3.640 H DAYSTAR 28062 | 3.585 V MVTV_HITSTATION 26667 | | | |
| 3.640 H HCTV 28062 | 3.585 V MVTV_MIC 26667 | | | |
| 3.640 H KURDSAT 28062 | 3.585 V MVTV_MV5 26667 | | | |
| 3.640 H LLBN TV 28062 | 3.585 V MVTV_My TV 26667 | | | |
| 3.640 H Russia Today 28062 | 3.585 V MVTV_STAR 26667 | | | |
| 3.640 H TCT 28062 | 3.585 V MVTV_VARIETY 26667 | | | |
| 3.640 H TELEMEDIA 28062 | 3.585 V PStv 26667 | | | |
| 3.640 H The Word Network 28062 | 3.585 V PTC NEWS 26667 | | | |
| 3.640 H UNIV TV 28062 | 3.585 V TCTV 26667 | | | |
| 3.640 H 3ABN RADIO 28062 | 3.585 V Data Broadcast SBI 26667 | | | |
| 3.640 H CVC 28062 | 3.585 V KCS Radio 26667 | | | |
| 3.640 H Overcomer Radio 28062 | 3.585 V OK HOT 26667 | | | |
| 3.640 H RNW-1 28062 | 3.585 V OK LOVE 26667 | | | |
| 3.640 H RNW-2 28062 | 3.585 V OK LUKTUNG 26667 | | | |
| 3.640 H RNW-3 28062 | 3.814 V MHONE NEWS 6660 | | | |
| 3.640 H Rvi1 (VRT) 28062 | 3.814 V MHONEMUSIC 6660 | | | |
| 3.640 H Swedish Radio 1 28062 | 3.814 V Shraddha 6660 | | | |
| 3.640 H Swedish Radio 2 28062 | 3.840 V MH1Music 26667 | | | |
| 3.694 H SKY1 5000 | 3.840 V Nepal1 26667 | | | |
| 3.711 V GOA NEWS 13330 | 3.840 V Sadhana 26667 | | | |
| 3.711 V HARYANA NEWS 13330 | 3.873 V FUN TV 2963 | | | |
| 3.711 V PUNJAB TODAY 13330 | 3.877 V Channel-5 3333 | | | |
| 3.711 V UP NEWS 13330 | 3.920 V DHOOM TV 30000 | | | |
| 3.731 V {Empty Name} 2412 | 3.920 V SINDH TV 30000 | | | |
| 3.760 V 7 Star Care 26660 | 3.920 V THAICOM 6 30000 | | | |
| 3.760 V Sanskar 26660 | 3.920 V THAICOM 1 30000 | | | |
| THA005CR | 3.920 V THAICOM 13 30000 | | | |
| | 3.920 V THAICOM 14 30000 | | | |
| | 3.920 V THAICOM 2 30000 | | | |
| | 3.920 V THAICOM 3 30000 | | | |
| | 3.920 V THAICOM 5 30000 | | | |
| | 3.920 V THAICOM 7 30000 | | | |
| | 3.920 V THAICOM 8 30000 | | | |
| | 3.960 V APNA 30000 | | | |
| | 3.960 V Channel 24 30000 | | | |
| | 3.960 V FILMAZIA 30000 | | | |
| | 3.960 V Joo Music 30000 | | | |
| | 3.960 V Multiple TV 30000 | | | |
| | 3.960 V NEWS TIME 30000 | | | |
| | 3.960 V PAK TV 30000 | | | |
| | 3.960 V SILVER SCREEN 30000 | | | |
| | 3.960 V SINDH TV NEWS 30000 | | | |
| | 3.960 V Starlite 30000 | | | |
| | 3.960 V THAICOM 12 30000 | | | |
| | 3.960 V Vibe 30000 | | | |
| | 3.960 V Voyages 30000 | | | |
| 3.421 V SCOPUS-NET-TEC0 6666 | 3.991 V DIVYA 13330 | 11.606 V Ocean TV 44948 | 4.147 R TVC Siberia 27500 | 3.523 V NE BANGLA 8640 |
| 3.421 V SCOPUS-NET-TECR 6666 | | 11.606 V Telenyanya 44948 | 4.147 R TVC Ural 27500 | 3.523 V NE HIFI 8640 |
| 3.432 V Nepal Television 1 6664 | | 11.606 V Universal 44948 | 4.147 R CTV Plus 27500 | 3.523 V NE TELEVISION 8640 |
| | | 11.606 V Zee TV Russia 44948 | 4.147 R Radio 2 (test) 27500 | 3.560 V S1 TELEVISION 3365 |
| | | 11.606 V Идеальный Мир 44948 | 4.147 R Radio 4 (test) 27500 | 3.582 V TV-9KANNADA 3255 |
| | | 11.606 V Киномания ТВ 44948 | 4.147 R Radio 5 (test) 27500 | 3.594 V JAYA MAX 8680 |
| | | 11.606 V Мультимания ТВ 44948 | 4.147 R Radio Arsenal 27500 | 3.594 V JAYA PLUS 8680 |
| | | 11.606 V Спорт 44948 | 4.147 R Russian Public Radio 27500 | 3.594 V JAYA TV 8680 |
| | | 11.606 V Феникс-Арт 44948 | 4.175 R Blagovest 4050 | 3.612 V AKAASH 9625 |
| | | | | 3.612 V Channel Eight 9625 |
| | | | | 3.612 V RAHUL SPRINGS 9625 |
| | | | | 4.071 V DDI 2E NATIONAL 5000 |
| | | | | 3.722 H ASEERVATHAM TV 26660 |
| | | | | 3.722 H D TV 26660 |
| | | | | 3.722 H JAIN TV 26660 |
| | | | | 3.722 H NSTPL 26660 |
| | | | | 3.722 H PBC TV 26660 |
| | | | | 3.722 H POWER VISION TV 26660 |
| | | | | 3.722 H SOBHAGYA TV 26660 |
| | | | | 3.722 H SPACE TV 26660 |
| | | | | 3.722 H STANDARD WORLD 26660 |
| | | | | 3.722 H TIME TV 26660 |
| | | | | 3.757 H Enterr10 13328 |
| | | | | 3.757 H India NEWS 13328 |
| | | | | 3.757 H Manoranjan TV 13328 |
| | | | | 3.757 H REAL ESTATE TV 13328 |
| | | | | 3.757 H Spacetoon Kids TV 13328 |
| | | | | 3.757 H TML VOI 13328 |
| | | | | 3.757 H VOI MP 13328 |
| | | | | 3.757 H VOI RAJASTHAN 13328 |
| | | | | 3.777 H STAR 10900 |
| | | | | 3.777 H STAR ANANDA 10900 |
| | | | | 3.777 H STAR NEWS 10900 |
| | | | | 3.777 H STAR MAJHA 10900 |
| | | | | 3.806 H BINDASS 28500 |
| | | | | 3.806 H BINDASS MOVIES 28500 |
| | | | | 3.806 H UTV MOVIES 28500 |
| | | | | 3.806 H UTV NEWS 28500 |
| | | | | 3.806 H WORLD MOVIES 28500 |
| | | | | 3.806 H AZAD NEWS 28500 |
| | | | | 3.806 H CHANNEL 1 28500 |
| | | | | 3.806 H CNEB 28500 |
| | | | | 3.806 H NEWS LIVE 28500 |
| | | | | 3.806 H OTV 28500 |
| | | | | 3.806 H PRAGYA 28500 |
| | | | | 3.806 H SHALOM TV 28500 |
| | | | | 3.806 H SUDARSHAN TV 28500 |
| | | | | 3.806 H SVBC 28500 |
| | | | | 3.806 H YO MUSIC 28500 |
| | | | | 3.853 H CTVN AKD PLUS 3265 |
| | | | | 3.857 H kasthuri TV 3463 |
| | | | | 3.893 H Vanitha 3300 |
| | | | | 3.893 H {Empty} 3300 |
| | | | | 3.899 H Bhakti 6800 |
| | | | | 3.899 H NTV 6800 |
| | | | | 3.922 H MUSIC INDIA 13000 |
| | | | | 3.922 H SADHANA NEWS 13000 |
| | | | | 3.922 H SANGEET BANGLA 13000 |
| | | | | 3.922 H SATSANG 13000 |
| | | | | 3.922 H TOTAL TV 13000 |
| | | | | 3.922 H TV 100 13000 |
| | | | | 3.924 V MMINTL 3000 |
| | | | | 3.934 V STAR JALSHA 13020 |
| | | | | 3.934 V TEST 13020 |
| | | | | 3.934 V MEGA TV 13020 |
| | | | | 3.934 V SUBHA VAARTHA 13020 |
| | | | | 3.936 H 9x 10100 |
| | | | | 3.936 H 9xM 10100 |
| | | | | 3.936 H NewsX 10100 |
| | | | | 3.950 H DY365 3223 |
| | | | | 3.975 V GUJRATI 13330 |
| | | | | 3.975 V LEHREN 13330 |
| | | | | 3.975 V MUMBAI 13330 |
| | | | | 3.975 V NCR 13330 |
| | | | | 3.975 V SANSKRUTI 13330 |
| | | | | 3.977 H ZEE NEXT 3200 |
| | | | | 4.004 H ETV 2 22210 |
| | | | | 4.004 H ETV Bengali 22210 |
| | | | | 4.004 H ETV Bihar 22210 |
| | | | | 4.004 H ETV Gujrathi 22210 |
| | | | | 4.004 H ETV Kannada 22210 |
| | | | | 4.004 H ETV Madhya Pradesh 22210 |
| | | | | 4.004 H ETV Marathi 22210 |
| | | | | 4.004 H ETV Oriya 22210 |
| | | | | 4.004 H ETV Rajasthan 22210 |
| | | | | 4.004 H ETV Telugu 22210 |
| | | | | 4.004 H ETV Uttar Pradesh 22210 |
| | | | | 4.004 H ETV Urdu 22210 |
| | | | | 4.032 V MAA MUSIC 7440 |
| | | | | 4.032 V MOON TV 7440 |
| | | | | 4.042 H ASHIRWAD 7500 |
| | | | | 4.042 H Just Punjabi 7500 |
| | | | | 4.042 H Mahuaa 7500 |
| | | | | 4.042 H Saam TV 7500 |
| | | | | 4.042 H Sang Bhoj 7500 |
| | | | | 4.055 H LAMHAS TEST 4 13230 |
| | | | | 4.055 H LAMHAS TEST-3 13230 |
| | | | | 4.055 H LAMHASTEST 1 13230 |
| | | | | 4.055 H LEMON TV 13230 |
| | | | | 4.072 H TOPPER 6500 |
| | | | | 4.072 H XYZ 6500 |
| | | | | 4.072 H HSN18 6500 |
| | | | | 4.081 H CNBC SOUTH 6500 |
| | | | | 4.081 H IBN MUMBAI 6500 |
| | | | | 4.081 H IBN LOKMAT 6500 |
| | | | | 4.088 H LIVE INDIA 3300 |
| | | | | 4.101 V VIA COM18MUMBAI 4200 |
| | | | | 4.101 H BBS TV 4750 |
| | | | | 4.101 H BBS FM 4750 |
| | | | | 4.101 H Kuzoo FM 4750 |
| | | | | 4.115 H MMCAL 5555 |
| | | | | 4.115 H MMCOCHIN 5555 |
| | | | | 4.115 H MMTVM 5555 |
| | | | | 4.135 H E 24 10600 |
| | | | | 4.135 H BIZ 24 10600 |
| | | | | 4.135 H LIFE24 10600 |
| | | | | 4.135 H NEWS 24 10600 |
| | | | | 4.152 H ZEE KANNADA 6500 |
| | | | | 4.152 H ZEE TELUGU 6500 |
| | | | | 4.152 H 24 GHANTA 6500 |
| | | | | 4.161 H PLAY TV 6500 |
| | | | | 4.161 H ZEE TALKIES 6500 |
| | | | | 4.161 H 24 TAAS 6500 |
| | | | | 4.171 H LSTV 4650 |
| | | | | 3.959 H Mahuaa 9500 |
| | | | | 3.959 H Pragya TV 9500 |
| | | | | INTELSAT 709 |
| | | | | 85.0 East |
| | | | | INT709ME |
| | | | |  |
| | | | | 11.584 H Kurdsat 3254 |
| | | | | 11.599 H Feeds (2XG-EN2) 3000 |
| | | | | 11.599 H RRSat Promo 3255 |
| | | | | 11.605 H Feeds (2XG-EN2) 3600 |
| | | | | 11.679 H Feeds (SNG-006B) 3255 |

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| Freq GHz | Pol | Channel Name | Symbol rate |
|---|---|---|---|

**C-Band: CHINASTAR 1**

**87.5 East**

| Freq GHz | Pol | Channel Name | Symbol rate |
|---|---|---|---|
| 4.010 | H | SHANG HAI 4 | 4683 |

**C-Band: ST 1**

**88.0 East**

**STC001CB**

| Freq GHz | Pol | Channel Name | Symbol rate |
|---|---|---|---|
| 3.413 | V | UBC Thailand | 3618 |
| 3.550 | V | 1_VL Cinema | 30000 |
| 3.550 | V | 2_VL Nipponese | 30000 |
| 3.550 | V | 3_VL Drama | 30000 |
| 3.550 | V | 4_VL Ensemble | 30000 |
| 3.550 | V | 5_VL Sports | 30000 |
| 3.550 | V | 6_VL Edu & Ent | 30000 |
| 3.550 | V | 9_Ad hoc feed | 30000 |
| 3.550 | V | 7_ch7 | 30000 |
| 3.550 | V | 8_UTV MOMO | 30000 |
| 3.550 | V | Life TV | 30000 |
| 3.633 | V | 1_VL Cinema | 30000 |
| 3.633 | V | 2_VL Nipponese | 30000 |
| 3.633 | V | 3_VL Drama | 30000 |
| 3.633 | V | 4_VL Ensemble | 30000 |
| 3.633 | V | 5_VL Sports | 30000 |
| 3.633 | V | 6_VL Edu & Ent | 30000 |
| 3.633 | V | 9_Ad hoc feed | 30000 |
| 3.633 | V | 7_ch7 | 30000 |
| 3.633 | V | 8_UTV MOMO | 30000 |
| 3.633 | V | Life TV | 30000 |
| ● 3.671 | H | Ch 1 BTS TV | 9255 |
| ● 3.671 | H | Ch 2 Life TV | 9255 |
| ● 3.671 | H | Ch 3 | 9255 |
| ● 3.671 | H | Ch 4 | 9255 |
| ● 3.671 | H | Ch 5 EBS FM | 9255 |
| ● 3.671 | H | Ch 6 EBS AM | 9255 |
| ● 3.671 | H | Ch 7 | 9255 |
| ● 3.671 | H | Ch 8 | 9255 |
| 3.688 | H | Service 2 | 3000 |

**India**

**ST 1**

**88.1 East**

**STC001K2**

| Freq GHz | Pol | Channel Name | Symbol rate |
|---|---|---|---|
| ● 11.508 | V | TVL Test | 6000 |
| 11.508 | V | TVLanka | 6000 |
| 11.508 | V | TVL Radio 2 | 6000 |
| 11.508 | V | TVL Radio 3 | 6000 |
| 11.508 | V | TVL Radio 4 | 6000 |
| 11.508 | V | TVL Radio 5 | 6000 |

**YAMAL 201**

**90.0 East**

**YAM201KB**

| Freq GHz | Pol | Channel Name | Symbol rate |
|---|---|---|---|
| 10.995 | V | YAMAL | 4285 |
| 11.057 | V | CTC+7 | 26470 |
| 11.057 | V | Home+7 | 26470 |
| 11.057 | V | NTV2 | 26470 |
| 11.057 | V | NTV4 | 26470 |
| 11.057 | V | SHKOLNIK | 26470 |
| 11.057 | V | TNT 2 | 26470 |
| 11.057 | V | TNT 4 | 26470 |
| 11.057 | V | DFM_REGION | 26470 |
| 11.057 | V | HIT_FM | 26470 |
| 11.057 | V | RSN | 26470 |
| 11.057 | V | RUSSIAN_RADIO | 26470 |
| 11.057 | V | Audio 31 F-Way+Novos | 26470 |
| 11.057 | V | MAXIMUM | 26470 |
| 11.092 | V | BIBIGON | 26470 |
| 11.092 | V | CHANSON | 26470 |
| 11.092 | V | CTC+4 | 26470 |
| 11.092 | V | FOOTBALL | 26470 |
| 11.092 | V | Home+4 | 26470 |
| 11.092 | V | PARK RAZVL | 26470 |
| 11.092 | V | RENTV4 | 26470 |
| 11.092 | V | RENTV7 | 26470 |
| 11.092 | V | RIK | 26470 |
| 11.092 | V | SOVSEKRETNO | 26470 |
| 11.092 | V | Europa Plus | 26470 |
| 11.092 | V | Radio 7 | 26470 |
| 11.092 | V | Retrm FM | 26470 |

**C-Band: YAMAL 201**

**90.1 East**

**YAM201CB**

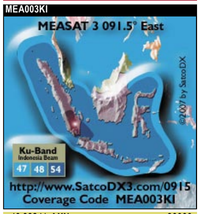
| Freq GHz | Pol | Channel Name | Symbol rate |
|---|---|---|---|
| ● 3.536 | L | Nau TV | 2532 |
| ● 3.539 | L | TBN _RUSSIA | 3274 |
| ● 3.553 | L | Altyn Asyr | 20000 |
| ● 3.553 | L | Miras | 20000 |
| ● 3.553 | L | TV-4 | 20000 |
| ● 3.553 | L | Yaslyk | 20000 |
| ● 3.577 | L | CNL | 2626 |
| ● 3.582 | L | Chita TV | 4275 |
| ● 3.588 | L | TV-NORD | 4285 |
| ● 3.594 | L | GTRK-BIRA 2 | 4275 |
| ● 3.600 | L | OTV | 4285 |
| ● 3.605 | L | CNL-EUROPE | 2626 |
| ● 3.674 | L | MTV | 17500 |
| ● 3.674 | L | RADOST MOYA | 17500 |
| ● 3.674 | L | SGU TV | 17500 |
| ● 3.674 | L | TV-3 PLUS 2 | 17500 |
| ● 3.674 | L | TV-3 PLUS 7 | 17500 |
| ● 3.674 | L | D2-1 | 17500 |
| ● 3.674 | L | D2-10 | 17500 |
| ● 3.674 | L | D2-11 | 17500 |
| ● 3.674 | L | D2-12 | 17500 |
| ● 3.674 | L | D2-13 | 17500 |
| ● 3.674 | L | D2-14 | 17500 |
| ● 3.674 | L | D2-2 | 17500 |
| ● 3.674 | L | D2-3 | 17500 |
| ● 3.674 | L | D2-4 | 17500 |
| ● 3.674 | L | D2-5 | 17500 |
| ● 3.674 | L | D2-6 | 17500 |
| ● 3.674 | L | D2-7 | 17500 |
| ● 3.674 | L | D2-8 | 17500 |
| ● 3.674 | L | D2-9 | 17500 |
| ● 3.725 | L | SKVORTSOVO | 3200 |
| ● 3.903 | L | TV SPORT | 8888 |
| ● 3.903 | L | TV ROSTOV | 8888 |
| ● 3.903 | L | TV ZVEZDA | 8888 |
| ● 3.912 | L | ORTRK-12 | 4295 |
| ● 3.954 | L | AGRO TV | 29500 |
| ● 3.954 | L | AM LIFE | 29500 |
| ● 3.954 | L | O2TV | 29500 |
| ● 3.954 | L | PTK | 29500 |
| ● 3.954 | L | RUTV | 29500 |
| ● 3.954 | L | STYLE TV | 29500 |
| ● 3.954 | L | TV ZVEZDA +4 | 29500 |
| ● 3.954 | L | TVC Siberia | 29500 |
| ● 3.954 | L | TVC Ural | 29500 |
| ● 3.954 | L | CH31 | 29500 |
| ● 3.954 | L | CH32 | 29500 |
| ● 3.954 | L | CH33 | 29500 |
| ● 3.954 | L | CH34 | 29500 |
| ● 3.954 | L | CH35 | 29500 |
| ● 3.954 | L | Russian Public Radio | 29500 |

**Indonesia**

**MEASAT 3**

**91.5 East**

**MEA003KI**

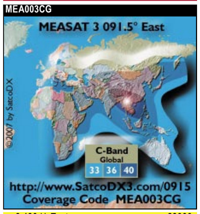



| Freq GHz | Pol | Channel Name | Symbol rate |
|---|---|---|---|
| 10.982 | V | AXN | 30000 |
| 10.982 | V | DISN | 30000 |
| 10.982 | V | HBO | 30000 |
| 10.982 | V | HHD | 30000 |
| 10.982 | V | NGEO | 30000 |
| 10.982 | V | PHDC | 30000 |
| 10.982 | V | SMV | 30000 |
| ● 10.982 | V | TEST | 30000 |
| 10.982 | V | TVBS | 30000 |
| 10.982 | V | VAAN | 30000 |
| 10.982 | V | WLT | 30000 |
| 10.982 | V | PPV PORTAL (home t | 30000 |
| ● 11.062 | V | ABO | 30000 |
| 11.062 | V | AEC | 30000 |
| 11.062 | V | CER | 30000 |
| 11.062 | V | CINE | 30000 |
| 11.062 | V | CNN | 30000 |
| 11.062 | V | DISC | 30000 |
| 11.062 | V | PHNX | 30000 |
| 11.062 | V | PRIMA | 30000 |
| 11.062 | V | SUN | 30000 |
| ● 11.062 | V | TEST | 30000 |
| 11.062 | V | TVB8 | 30000 |
| 11.062 | V | VT | 30000 |
| 11.062 | V | XHE | 30000 |
| 11.062 | V | ERA | 30000 |
| 11.062 | V | GAME | 30000 |
| 11.062 | V | GEGAR | 30000 |
| 11.062 | V | GOLD | 30000 |
| 11.062 | V | HITZ | 30000 |
| 11.062 | V | IB | 30000 |
| 11.062 | V | JAZ | 30000 |
| 11.062 | V | LITE | 30000 |
| 11.062 | V | MIX | 30000 |
| 11.062 | V | MLD | 30000 |
| ● 11.062 | V | MSQA | 30000 |
| 11.062 | V | MY | 30000 |
| 11.062 | V | OPUS | 30000 |
| 11.062 | V | OSAI | 30000 |
| 11.062 | V | RAAGA | 30000 |
| ● 11.062 | V | RAD | 30000 |
| 11.062 | V | ROCK | 30000 |
| 11.062 | V | SINAR | 30000 |
| 11.062 | V | XM FM | 30000 |
| 11.102 | V | ABO | 30000 |
| 11.102 | V | ANIM | 30000 |
| 11.102 | V | CEL | 30000 |
| 11.102 | V | ESPN | 30000 |
| 11.102 | V | HITZ | 30000 |
| 11.102 | V | KIRA | 30000 |
| ● 11.102 | V | RIA | 30000 |
| 11.102 | V | SHX | 30000 |
| 11.102 | V | SPRT | 30000 |
| ● 11.102 | V | VAR | 30000 |
| 11.182 | V | @15 | 30000 |
| 11.182 | V | ASSP | 30000 |
| 11.182 | V | BBCE | 30000 |
| 11.182 | V | BTV | 30000 |
| 11.182 | V | CTV4 | 30000 |
| 11.182 | V | DH&H | 30000 |
| 11.182 | V | E! | 30000 |
| 11.182 | V | HMK | 30000 |
| 11.182 | V | JYU | 30000 |
| 11.182 | V | SM | 30000 |
| 11.182 | V | SWR | 30000 |
| 11.182 | V | TEST | 30000 |
| ● 11.182 | V | TURBO | 30000 |
| 11.182 | V | TVIQ | 30000 |
| 11.482 | V | AOD | 30000 |
| 11.482 | V | APL | 30000 |
| 11.482 | V | BBC | 30000 |
| 11.482 | V | CNBC | 30000 |
| 11.482 | V | CTV9 | 30000 |
| 11.482 | V | DSCI | 30000 |
| 11.482 | V | ES | 30000 |
| 11.482 | V | MTV | 30000 |
| 11.482 | V | NTV7 | 30000 |
| 11.482 | V | PIN | 30000 |
| 11.522 | V | [V] | 30000 |
| 11.522 | V | ABO | 30000 |
| 11.522 | V | AFC | 30000 |
| 11.522 | V | AOD | 30000 |
| 11.522 | V | ART | 30000 |
| 11.522 | V | GC | 30000 |
| 11.522 | V | NEWS | 30000 |
| 11.522 | V | RTM1 | 30000 |
| 11.522 | V | TEST1 | 30000 |
| 11.522 | V | TEST2 | 30000 |
| ● 11.562 | V | @15 | 30000 |
| ● 11.562 | V | ABO | 30000 |
| ● 11.562 | V | ASSP | 30000 |
| ● 11.562 | V | BBCE | 30000 |
| ● 11.562 | V | BTV | 30000 |
| 11.562 | V | CHTV | 30000 |
| ● 11.562 | V | CTV4 | 30000 |
| ● 11.562 | V | DH&H | 30000 |
| ● 11.562 | V | E! | 30000 |
| ● 11.562 | V | HMK | 30000 |
| ● 11.562 | V | JYU | 30000 |
| 11.562 | V | KBS | 30000 |
| 11.562 | V | MAK | 30000 |
| 11.562 | V | NICK | 30000 |
| ● 11.562 | V | SM | 30000 |
| ● 11.562 | V | SWR | 30000 |
| ● 11.562 | V | TEST | 30000 |
| ● 11.562 | V | TURBO | 30000 |
| 11.562 | V | TV9 | 30000 |
| ● 11.562 | V | TVIQ | 30000 |
| 11.562 | V | XTY | 30000 |
| 11.563 | V | ABO | 30000 |
| 11.563 | V | CHTV | 30000 |
| 11.563 | V | KBS | 30000 |
| 11.563 | V | MAK | 30000 |
| 11.563 | V | NICK | 30000 |
| 11.563 | V | TV9 | 30000 |
| 11.563 | V | XTY | 30000 |
| ● 11.602 | V | @15 | 30000 |
| 11.602 | V | AJE | 30000 |
| 11.602 | V | AODP | 30000 |
| 11.602 | V | ARU | 30000 |
| ● 11.602 | V | ASSP | 30000 |
| 11.602 | V | AWANI | 30000 |
| ● 11.602 | V | BBCE | 30000 |
| ● 11.602 | V | BTV | 30000 |
| 11.602 | V | CI | 30000 |
| ● 11.602 | V | CTV4 | 30000 |
| ● 11.602 | V | DH&H | 30000 |
| ● 11.602 | V | E! | 30000 |
| 11.602 | V | ETVA | 30000 |
| ● 11.602 | V | HMK | 30000 |
| ● 11.602 | V | JYU | 30000 |
| 11.602 | V | OAS | 30000 |
| 11.602 | V | RTM2 | 30000 |
| ● 11.602 | V | SM | 30000 |
| ● 11.602 | V | SWR | 30000 |
| ● 11.602 | V | TEST | 30000 |
| 11.602 | V | TRAV | 30000 |
| ● 11.602 | V | TURBO | 30000 |
| 11.602 | V | TV3 | 30000 |
| ● 11.602 | V | TVIQ | 30000 |
| 11.602 | V | WATV | 30000 |
| 11.602 | V | ZEE | 30000 |
| 11.642 | V | AOD | 30000 |
| 11.642 | V | CTWK | 30000 |
| 11.642 | V | TEST | 30000 |
| 11.682 | V | 8TV | 30000 |
| ● 11.682 | V | ABO | 30000 |
| 11.682 | V | AOD | 30000 |
| 11.682 | V | BRTV | 30000 |
| ● 11.682 | V | CHTV | 30000 |
| 11.682 | V | HIST | 30000 |
| ● 11.682 | V | KBS | 30000 |
| ● 11.682 | V | MAK | 30000 |
| ● 11.682 | V | MAL | 30000 |
| 11.682 | V | NHK | 30000 |
| ● 11.682 | V | NICK | 30000 |
| ● 11.682 | V | TV9 | 30000 |
| ● 11.682 | V | XTY | 30000 |
| ● 11.833 | V | ABO | 30000 |
| 11.833 | V | AXN | 30000 |
| ● 11.833 | V | CHTV | 30000 |
| 11.833 | V | DISN | 30000 |
| 11.833 | V | HBO | 30000 |
| 11.833 | V | HHD | 30000 |
| ● 11.833 | V | KBS | 30000 |
| ● 11.833 | V | MAK | 30000 |
| 11.833 | V | NGEO | 30000 |
| ● 11.833 | V | NICK | 30000 |
| 11.833 | V | PHDC | 30000 |
| 11.833 | V | SMV | 30000 |
| ● 11.833 | V | TEST | 30000 |
| ● 11.833 | V | TV9 | 30000 |
| 11.833 | V | TVBS | 30000 |
| 11.833 | V | VAAN | 30000 |
| 11.833 | V | WLT | 30000 |
| ● 11.833 | V | XTY | 30000 |
| 11.833 | V | PPV PORTAL (home t | 30000 |
| ● 11.957 | V | [V] | 30000 |
| 11.957 | V | ABO | 30000 |
| ● 11.957 | V | AFC | 30000 |
| 11.957 | V | ANIM | 30000 |
| ● 11.957 | V | AOD | 30000 |
| ● 11.957 | V | ART | 30000 |
| 11.957 | V | CEL | 30000 |
| 11.957 | V | ESPN | 30000 |
| ● 11.957 | V | GC | 30000 |
| 11.957 | V | HITZ | 30000 |
| 11.957 | V | KIRA | 30000 |
| ● 11.957 | V | NEWS | 30000 |
| ● 11.957 | V | RIA | 30000 |
| ● 11.957 | V | RTM1 | 30000 |
| 11.957 | V | SHX | 30000 |
| 11.957 | V | SPRT | 30000 |
| ● 11.957 | V | TEST1 | 30000 |
| ● 11.957 | V | TEST2 | 30000 |
| ● 11.957 | V | VAR | 30000 |
| 12.333 | V | AOD | 30000 |
| 12.333 | V | APL | 30000 |
| 12.333 | V | BBC | 30000 |
| 12.333 | V | CNBC | 30000 |
| 12.333 | V | CTV9 | 30000 |
| 12.333 | V | DSCI | 30000 |
| 12.333 | V | ES | 30000 |
| 12.333 | V | MTV | 30000 |
| 12.333 | V | NTV7 | 30000 |
| 12.333 | V | PIN | 30000 |
| ● 12.414 | V | @15 | 30000 |
| 12.414 | V | ABO | 30000 |
| ● 12.414 | V | ASSP | 30000 |
| ● 12.414 | V | BBCE | 30000 |
| ● 12.414 | V | BTV | 30000 |
| 12.414 | V | CHTV | 30000 |
| ● 12.414 | V | CTV4 | 30000 |
| ● 12.414 | V | DH&H | 30000 |
| ● 12.414 | V | E! | 30000 |
| ● 12.414 | V | HMK | 30000 |
| ● 12.414 | V | JYU | 30000 |
| 12.414 | V | KBS | 30000 |
| 12.414 | V | MAK | 30000 |
| 12.414 | V | NICK | 30000 |
| ● 12.414 | V | SM | 30000 |
| ● 12.414 | V | SWR | 30000 |
| ● 12.414 | V | TEST | 30000 |
| ● 12.414 | V | TURBO | 30000 |
| 12.414 | V | TV9 | 30000 |
| ● 12.414 | V | TVIQ | 30000 |
| 12.414 | V | XTY | 30000 |
| ● 12.493 | V | @15 | 30000 |
| 12.493 | V | AOD | 30000 |
| ● 12.493 | V | ASSP | 30000 |
| ● 12.493 | V | BBCE | 30000 |
| ● 12.493 | V | BTV | 30000 |
| ● 12.493 | V | CTV4 | 30000 |
| 12.493 | V | CTWK | 30000 |
| ● 12.493 | V | DH&H | 30000 |
| ● 12.493 | V | E! | 30000 |
| ● 12.493 | V | HMK | 30000 |
| ● 12.493 | V | JYU | 30000 |
| ● 12.493 | V | SM | 30000 |
| ● 12.493 | V | SWR | 30000 |
| 12.493 | V | TEST | 30000 |
| ● 12.493 | V | TURBO | 30000 |
| ● 12.493 | V | TVIQ | 30000 |
| ● 11.976 | V | [V] | 6520 |
| ● 11.976 | V | ABO | 6520 |
| ● 11.976 | V | AFC | 6520 |
| ● 11.976 | V | AOD | 6520 |
| ● 11.976 | V | ART | 6520 |
| ● 11.976 | V | CTWK | 6520 |
| ● 11.976 | V | GC | 6520 |
| ● 11.976 | V | NEWS | 6520 |
| ● 11.976 | V | RTM1 | 6520 |
| ● 11.976 | V | TEST | 6520 |
| ● 11.976 | V | TEST1 | 6520 |
| ● 11.976 | V | TEST2 | 6520 |
| ● 11.985 | | ABO | 5555 |
| ● 11.985 | | ANIM | 5555 |
| ● 11.985 | | AOD | 5555 |
| ● 11.985 | | CEL | 5555 |
| ● 11.985 | | CTWK | 5555 |
| ● 11.985 | | ESPN | 5555 |
| ● 11.985 | | HITZ | 5555 |
| ● 11.985 | | KIRA | 5555 |
| ● 11.985 | | RIA | 5555 |
| ● 11.985 | | SHX | 5555 |
| ● 11.985 | | SPRT | 5555 |
| ● 11.985 | | TEST | 5555 |
| ● 11.985 | | VAR | 5555 |
| ● 12.120 | V | AOD | 7234 |
| ● 12.120 | V | CTWK | 7234 |
| ● 12.120 | V | TEST | 7234 |
| ● 12.120 | V | AOD | 7234 |

**C-Band: MEASAT 3**

**91.6 East**

**MEA003CG**




| Freq GHz | Pol | Channel Name | Symbol rate |
|---|---|---|---|
| 3.480 | H | Test | 28000 |
| 3.721 | V | TV NATIN | 2170 |
| 3.721 | V | BEAT | 2170 |
| 3.721 | V | DZRH | 2170 |
| 3.721 | V | HOT FM | 2170 |
| 3.721 | V | KIDS FM | 2170 |
| 3.721 | V | LOVE | 2170 |
| 3.721 | V | RN | 2170 |
| 3.721 | V | YES FM | 2170 |
| ● 3.787 | V | TV 3 DIGITAL | 7030 |
| 3.796 | V | HTV7 | 7030 |
| 3.796 | V | HTV9 | 7030 |
| 3.796 | V | SAIGON_FM | 7030 |
| ● 3.805 | V | Ria | 7500 |
| ● 3.805 | V | Aruna MCPC2a | 7500 |
| ● 3.805 | V | Jim Jam | 7500 |
| 3.840 | V | AFC | 30000 |
| 3.840 | V | BBC Entertainment | 30000 |
| 3.840 | V | BIOGRAPHY | 30000 |
| 3.840 | V | CCM | 30000 |
| 3.840 | V | Celestial 1 | 30000 |
| 3.840 | V | Celestial 2 | 30000 |
| 3.840 | V | CRIME&INVESTIGATI | 30000 |
| 3.840 | V | GOLF | 30000 |
| 3.840 | V | HISTORY | 30000 |
| 3.840 | V | JIA YU | 30000 |
| 3.877 | V | RTM 1 | 12520 |
| 3.877 | V | RTM 2 | 12520 |
| 3.877 | V | RTM FEED 1 | 12520 |
| 3.877 | V | RTM FEED 2 | 12520 |
| 3.877 | V | AI FM | 12520 |
| 3.877 | V | ASYIK FM | 12520 |
| 3.877 | V | KLASIK NASIONAL F | 12520 |
| 3.877 | V | MINNAL FM | 12520 |
| 3.877 | V | MUZIK FM | 12520 |
| 3.877 | V | SUARA MALAYSIA 1 | 12520 |
| 3.877 | V | SUARA MALAYSIA 2 | 12520 |
| 3.877 | V | TRAXX FM | 12520 |
| ● 3.920 | V | 321 FOX Crime | 28000 |
| ● 3.920 | V | 322 NG Wild | 28000 |
| ● 3.920 | V | 323 Fox FX | 28000 |
| ● 3.920 | V | 324 Nat Geo Philippi | 28000 |
| ● 3.920 | V | Filmazia | 28000 |
| ● 3.920 | V | MTV Pakistan | 28000 |
| ● 3.920 | V | WFC | 28000 |
| ● 3.920 | V | Film World | 28000 |
| ● 3.920 | V | Indus Vision | 28000 |
| ● 4.108 | V | Lease 3 | 6668 |
| ● 4.114 | V | Ginx | 2960 |
| ● 4.118 | V | YR ASIA TV | 2963 |

**India**

**MEASAT 3**

**91.7 East**

**MEA003KA**

| Freq GHz | Pol | Channel Name | Symbol rate |
|---|---|---|---|
| ● 12.563 | V | English Action | 27500 |
| ● 12.563 | V | English Blockbuster | 27500 |
| ● 12.563 | V | English Blockbuster | 27500 |
| ● 12.563 | V | English Comedy | 27500 |
| ● 12.563 | V | English Drama | 27500 |
| ● 12.563 | V | English Family | 27500 |
| ● 12.563 | V | English Mega Hit | 27500 |
| ● 12.563 | V | English Suspense | 27500 |
| ● 12.563 | V | Hindi Action | 27500 |
| ● 12.563 | V | Hindi Art | 27500 |
| 12.563 | V | Hindi Blockbuster | 27500 |
| ● 12.563 | V | Hindi Classic | 27500 |
| ● 12.563 | V | Hindi Comedy | 27500 |
| ● 12.563 | V | Hindi Drama | 27500 |
| 12.563 | V | Hindi Family | 27500 |
| 12.563 | V | Hindi Mega Hit | 27500 |
| ● 12.563 | V | Hindi Romance | 27500 |
| ● 12.563 | V | Hindi Suspense | 27500 |
| 12.563 | V | ISP Video | 27500 |
| 12.563 | V | Preview | 27500 |
| 12.563 | V | AIR Gujarati | 27500 |
| ● 12.723 | V | Bengali | 27500 |
| ● 12.723 | V | Bhojpuri | 27500 |
| ● 12.723 | V | English Classic | 27500 |
| ● 12.723 | V | Gujarati | 27500 |
| ● 12.723 | V | Help Channel | 27500 |
| ● 12.723 | V | Kannada | 27500 |
| ● 12.723 | V | Marathi | 27500 |
| ● 12.723 | V | Oriya | 27500 |
| ● 12.723 | V | Regional Blockbuster | 27500 |
| ● 12.723 | V | Tamil | 27500 |
| ● 12.723 | V | Telugu 1 | 27500 |
| ● 12.723 | V | Telugu 2 | 27500 |

**C-Band: INSAT 3A,4B**

**93.5 East**

**INS03ACE**

| Freq GHz | Pol | Channel Name | Symbol rate |
|---|---|---|---|
| 3.775 | H | DDK JAMMU | 4250 |
| 4.109 | V | DDK_AGARTALA | 4250 |
| 4.132 | V | RTA - Kabul | 4000 |
| 4.132 | V | RADIO | 4000 |
| 4.137 | V | Ningarhar Service | 2000 |
| 4.141 | V | ARIANA INT'L | 5148 |
| 4.141 | V | ARIANA NATIONAL | 5148 |
| 4.141 | V | ARIANA FM | 5148 |
| ● 4.147 | V | {Empty} | 3000 |

**INS03ACI**

| Freq GHz | Pol | Channel Name | Symbol rate |
|---|---|---|---|
| 3.732 | V | DD Bangala | 6250 |
| 3.732 | V | Kolkata Feed | 6250 |
| 3.741 | V | DD PUNJABI | 6250 |
| 3.741 | V | JALANDHAR FEED | 6250 |
| 3.750 | V | Ahmedabad Feed | 6250 |
| 3.750 | V | DD Gujrati | 6250 |
| 3.771 | V | DD Feed - BBSR | 6250 |
| 3.771 | V | DD Oriya | 6250 |
| 3.781 | V | DD-KASHIR (SRINAG | 6250 |
| 3.781 | V | DD-News feed(SRIN | 6250 |
| 3.792 | V | DD SAHYADRI | 8600 |
| 3.792 | V | MUMBAI-FEED | 8600 |
| 3.792 | V | NEWS-FEED | 8600 |
| 3.811 | V | DD Malayalam RLSS | 6250 |
| 3.811 | V | NEWS DDK Trivandru | 6250 |
| 3.820 | V | News feed hyd (News | 6250 |
| ● 3.820 | V | News feed hyd (Sapth | 6250 |
| 3.832 | V | Chennai feed - 1 | 8600 |
| 3.832 | V | Podhigai | 8600 |
| 3.931 | V | DD-News feed(Shimla) | 6250 |
| 3.931 | V | DD-Shimla | 6250 |
| 3.941 | V | DD-Jaipur | 6250 |
| 3.941 | V | DD-N/FeedJaipur | 6250 |
| 3.950 | V | DD-Bhopal | 6250 |
| 3.950 | V | DD-News feed(Bhopal) | 6250 |
| 3.960 | V | DD-Lucknow | 6250 |
| 3.960 | V | DD-News feed(Lucknow | 6250 |
| 4.093 | V | DDSHG-NEWSFEED | 6250 |
| 4.093 | V | DDSHG-REGIONAL | 6250 |
| 4.101 | V | AIZAWL-REGIONAL | 6250 |
| 4.101 | V | DD-AZL-NEWSFEED | 6250 |
| 3.725 | H | DD BANGLA | 27500 |
| 3.725 | H | DD BHARTI | 27500 |
| 3.725 | H | DD FEED | 27500 |
| 3.725 | H | DD NATIONAL | 27500 |
| 3.725 | H | DD NEWS | 27500 |
| 3.725 | H | DD RAJYASABHA | 27500 |
| 3.725 | H | DD SPORTS | 27500 |
| 3.725 | H | DD URDU | 27500 |
| 3.763 | H | DD Chhattisgarh | 4250 |
| ● 3.803 | H | DDK HISSAR | 4250 |
| ● 3.821 | H | DDK PORTBLAIR | 4250 |
| 3.833 | H | DD Patna | 6250 |
| 3.833 | H | Feed DD Patna | 6250 |
| ● 3.840 | H | {Empty Name} | 6250 |
| 3.885 | H | GEMINI CABLE VISI | 28000 |
| 3.885 | H | GEMINI MUSIC | 28000 |
| 3.885 | H | GEMINI NEWS | 28000 |
| 3.885 | H | GEMINI TV | 28000 |
| 3.885 | H | K TV | 28000 |
| 3.885 | H | SUN MUSIC | 28000 |
| 3.885 | H | SUN NEWS | 28000 |
| 3.885 | H | SUN TV | 28000 |
| 3.885 | H | TEJA TV | 28000 |
| 3.885 | H | UDAYA MOVIES | 28000 |
| 3.885 | H | UDAYA VARTHEGALU | 28000 |
| 3.885 | H | UDAYATV | 28000 |
| 3.885 | H | CHUTTI TV | 28000 |
| 3.885 | H | KIRAN TV | 28000 |
| 3.885 | H | SURYA TV | 28000 |
| 3.885 | H | SFM BANGALORE | 28000 |
| 3.885 | H | SFM HYDERABAD | 28000 |
| 3.885 | H | SURYAN FM | 28000 |
| ● 3.956 | H | second_service | 3400 |
| 3.956 | H | Tarang | 3400 |
| ● 4.005 | H | ISAI ARUVI | 25430 |
| ● 4.005 | H | KALAIGNAR TV | 25430 |
| 4.045 | H | TEJA NEWS | 28000 |
| 4.045 | H | UDAYA NEWS | 28000 |
| 4.045 | H | USHE TV | 28000 |
| 4.045 | H | ADITHYA TV | 28000 |
| 4.045 | H | UDAYA TV II | 28000 |

**INSAT 4B**

**93.6 East**

| Freq GHz | Pol | Channel Name | Symbol rate |
|---|---|---|---|
| 10.990 | V | LOK SABHA TV | 27500 |
| 10.990 | V | DD BANGLA | 27500 |
| 10.990 | V | DD BHARATI | 27500 |
| 10.990 | V | DD GUJARATI | 27500 |
| 10.990 | V | DD INDIA | 27500 |
| 10.990 | V | DD KASHIR | 27500 |
| 10.990 | V | DD NATIONAL | 27500 |
| 10.990 | V | DD NEWS | 27500 |
| 10.990 | V | DD SPORTS | 27500 |
| 10.990 | V | DD-CHANDANA | 27500 |
| 10.990 | V | AIR MARATHI | 27500 |
| 10.990 | V | AIR TAMIL | 27500 |
| 10.990 | V | AIR TELUGU | 27500 |
| 10.990 | V | AIR VBS | 27500 |
| 11.030 | V | Gemini TV | 27500 |
| 11.030 | V | Jaya TV | 27500 |
| 11.030 | V | K TV | 27500 |
| 11.030 | V | Kalaignar TV | 27500 |
| 11.030 | V | Kiran TV | 27500 |
| 11.030 | V | SS Music | 27500 |
| 11.030 | V | Sun TV | 27500 |
| 11.030 | V | Surya TV | 27500 |
| 11.030 | V | Teja | 27500 |
| 11.030 | V | Udaya | 27500 |
| 11.030 | V | Udaya Movies | 27500 |
| 11.070 | V | DD MALAYALAM | 27500 |
| 11.070 | V | DD NORTH EAST | 27500 |
| 11.070 | V | DD ORIYA | 27500 |
| 11.070 | V | DD PODHIGAI | 27500 |
| 11.070 | V | DD PUNJABI | 27500 |
| 11.070 | V | DD RAJYA SABHA | 27500 |
| 11.070 | V | DD SAHYADRI | 27500 |
| 11.070 | V | DD SAPTAGIRI | 27500 |
| 11.070 | V | ENTER10 | 27500 |
| 11.070 | V | MH1 MUSIC | 27500 |
| 11.070 | V | AIR GUJRATI | 27500 |
| 11.070 | V | AIR PUNJABI | 27500 |
| 11.070 | V | FM GOLD | 27500 |
| 11.070 | V | FM RAINBOW | 27500 |
| 11.110 | V | B4u Music | 27500 |
| 11.110 | V | Bhakti TV | 27500 |
| 11.110 | V | Bindass Movies | 27500 |
| 11.110 | V | Chutti TV | 27500 |
| 11.110 | V | ETV 2 | 27500 |
| 11.110 | V | ETV Telugu | 27500 |
| 11.110 | V | Gemini Music | 27500 |
| 11.110 | V | Gemini News | 27500 |
| 11.110 | V | Maa TV | 27500 |
| 11.110 | V | Shalom TV | 27500 |
| 11.110 | V | Star Majaa | 27500 |
| 11.110 | V | Sun Music | 27500 |
| 11.110 | V | Sun News | 27500 |
| 11.110 | V | TV5 Telugu | 27500 |
| 11.110 | V | TV9 | 27500 |
| 11.110 | V | World Movies | 27500 |
| 11.150 | V | AASTHA | 27500 |
| 11.150 | V | 9XM | 27500 |
| 11.150 | V | ETC | 27500 |
| 11.150 | V | KAIRALI TV | 27500 |
| 11.150 | V | MAKKAL TV | 27500 |
| 11.150 | V | PTC NEWS | 27500 |
| 11.150 | V | SMILE TV | 27500 |
| 11.150 | V | TIME TV | 27500 |
| 11.150 | V | TOTAL TV | 27500 |
| 11.150 | V | ZEE JAGRAN | 27500 |
| 11.150 | V | AIR BANGLA | 27500 |
| 11.150 | V | AIR HINDI | 27500 |
| 11.150 | V | AIR KANNADA | 27500 |
| 11.150 | V | AIR N E | 27500 |
| 11.185 | V | DW TV | 20000 |
| 11.185 | V | ETV Urdu | 20000 |
| 11.185 | V | Jain TV | 20000 |
| 11.185 | V | Kairali | 20000 |
| 11.185 | V | Makkal TV | 20000 |
| 11.185 | V | Mega TV | 20000 |
| 11.185 | V | Podhigai | 20000 |
| 11.185 | V | Sahara | 20000 |
| 11.185 | V | Star Utsav | 20000 |
| 11.185 | V | Win TV | 20000 |
| 11.185 | V | Yo Music | 20000 |
| 11.185 | V | SFM - B'lore | 20000 |
| 11.185 | V | SFM Hyderabad | 20000 |
| 11.185 | V | SuryanFM | 20000 |
| 11.490 | V | DW-TV | 27500 |
| 11.490 | V | TEST -16 | 27500 |
| 11.490 | V | TEST -17 | 27500 |
| 11.490 | V | TEST -18 | 27500 |
| 11.490 | V | TEST -19 | 27500 |
| 11.490 | V | TEST -20 | 27500 |
| 11.490 | V | TEST 13 | 27500 |
| 11.490 | V | TEST-12 | 27500 |
| 11.490 | V | TEST-14 | 27500 |
| 11.490 | V | TEST-15 | 27500 |
| 11.490 | V | AIR ASSAMESE | 27500 |
| 11.490 | V | AIR MALAYALAM | 27500 |
| 11.490 | V | FM GOLD-MUM | 27500 |
| 11.490 | V | FM R'BOW-CHN | 27500 |
| 11.490 | V | RADIO KASHMIR | 27500 |
| 11.530 | V | 9X | 27500 |
| 11.530 | V | 9XM | 27500 |
| 11.530 | V | Asianet Suvarna | 27500 |
| 11.530 | V | ETV Kannada | 27500 |
| 11.530 | V | K TEST | 27500 |
| 11.530 | V | MI Marathi | 27500 |
| 11.530 | V | N TV | 27500 |
| 11.530 | V | NDTV Good Times | 27500 |
| 11.530 | V | NE TV | 27500 |
| 11.530 | V | Nepal TV | 27500 |
| 11.530 | V | TV 9 Kannada | 27500 |
| 11.530 | V | Udaya 2 | 27500 |
| 11.530 | V | Udaya Varthegalu | 27500 |
| 11.570 | V | B4U Music | 27500 |
| 11.570 | V | DD URDU | 27500 |
| 11.570 | V | GYANDARSHAN-1 | 27500 |
| 11.570 | V | GYANDARSHAN-2 | 27500 |
| 11.570 | V | JAIHIND TV | 27500 |
| 11.570 | V | Kalaignar TV | 27500 |
| 11.570 | V | MEGA TV | 27500 |
| 11.570 | V | MUSIC INDIA | 27500 |
| 11.570 | V | STAR UTSAV | 27500 |
| 11.570 | V | WIN TV | 27500 |
| 11.570 | V | AIR ORIYA | 27500 |
| 11.570 | V | AIR RAGAM | 27500 |
| 11.570 | V | AIR URDU | 27500 |
| 11.570 | V | FM R'BOW-BLR | 27500 |
| 11.610 | V | Akash bangla | 27500 |
| 11.610 | V | Amrita | 27500 |
| 11.610 | V | Angel TV | 27500 |
| 11.610 | V | Asianet | 27500 |
| 11.610 | V | Asianet News | 27500 |
| 11.610 | V | Asianet Plus | 27500 |
| 11.610 | V | Bindass | 27500 |
| 11.610 | V | ETV Marathi | 27500 |
| 11.610 | V | God TV | 27500 |
| 11.610 | V | India Vision | 27500 |
| 11.610 | V | Jeevan | 27500 |
| 11.610 | V | Kairali People | 27500 |
| 11.610 | V | Kairali We | 27500 |
| 11.610 | V | O TV | 27500 |
| 11.610 | V | Sanskar | 27500 |
| 11.610 | V | Shakthi TV | 27500 |
| 11.644 | V | 7 Star Care | 20000 |
| 11.644 | V | ABC | 20000 |
| 11.644 | V | CCTV 9 | 20000 |
| 11.644 | V | Daystar | 20000 |
| 11.644 | V | Manorama news | 20000 |
| 11.644 | V | NDTV 24x7 | 20000 |
| 11.644 | V | NDTV India | 20000 |
| 11.644 | V | NDTV Profit | 20000 |
| 11.681 | V | Mosaic Test | 9500 |
| 11.681 | V | SN | 9500 |

**India**

**INSAT 4B, NSS 6**

**95.0 East**

| Freq GHz | Pol | Channel Name | Symbol rate |
|---|---|---|---|
| 10.990 | V | LOK SABHA TV | 27500 |
| 10.990 | V | DD BANGLA | 27500 |
| 10.990 | V | DD BHARATI | 27500 |
| 10.990 | V | DD GUJARATI | 27500 |
| 10.990 | V | DD INDIA | 27500 |
| 10.990 | V | DD KASHIR | 27500 |
| 10.990 | V | DD NATIONAL | 27500 |
| 10.990 | V | DD NEWS | 27500 |
| 10.990 | V | DD SPORTS | 27500 |
| 10.990 | V | DD-CHANDANA | 27500 |
| 10.990 | V | AIR MARATHI | 27500 |
| 10.990 | V | AIR TAMIL | 27500 |
| 10.990 | V | AIR TELUGU | 27500 |
| 10.990 | V | AIR VBS | 27500 |
| ● 11.030 | V | Chirithira | 27500 |
| 11.030 | V | ETV Gujarathi | 27500 |
| 11.030 | V | ETV Oriya | 27500 |
| 11.030 | V | Gemini TV | 27500 |
| 11.030 | V | Jaya TV | 27500 |
| 11.030 | V | K TV | 27500 |
| 11.030 | V | Kalaignar TV | 27500 |
| 11.030 | V | Kiran TV | 27500 |
| ● 11.030 | V | M TV | 27500 |
| 11.030 | V | Set Max | 27500 |
| 11.030 | V | SS Music | 27500 |
| 11.030 | V | Star Movies | 27500 |
| 11.030 | V | Sun TV | 27500 |
| 11.030 | V | Surya TV | 27500 |
| 11.030 | V | Teja | 27500 |
| 11.030 | V | Udaya | 27500 |
| 11.030 | V | Udaya Movies | 27500 |
| 11.030 | V | Vijay TV | 27500 |
| 11.030 | V | Zee Action | 27500 |
| 11.030 | V | Zee Marathi | 27500 |
| 11.070 | V | DD MALAYALAM | 27500 |
| 11.070 | V | DD NORTH EAST | 27500 |
| 11.070 | V | DD ORIYA | 27500 |
| 11.070 | V | DD PODHIGAI | 27500 |
| 11.070 | V | DD PUNJABI | 27500 |
| 11.070 | V | DD RAJYA SABHA | 27500 |
| 11.070 | V | DD SAHYADRI | 27500 |
| 11.070 | V | DD SAPTAGIRI | 27500 |
| ● 11.070 | V | SHAKTI TV | 27500 |
| ● 11.070 | V | SHRADDHA | 27500 |
| 11.070 | V | AIR GUJRATI | 27500 |
| 11.070 | V | AIR PUNJABI | 27500 |
| 11.070 | V | FM GOLD | 27500 |
| 11.070 | V | FM RAINBOW | 27500 |
| ● 11.110 | V | Bhakthi TV | 27500 |
| 11.110 | V | Bindass Movies | 27500 |
| 11.110 | V | Channel V | 27500 |
| 11.110 | V | Chutti TV | 27500 |
| 11.110 | V | Comedy Thirai | 27500 |
| 11.110 | V | ETC Punjabi | 27500 |
| 11.110 | V | ETV 2 | 27500 |
| 11.110 | V | ETV Telugu | 27500 |
| 11.110 | V | Gemini Music | 27500 |
| 11.110 | V | Gemini News | 27500 |
| 11.110 | V | Jetix | 27500 |
| 11.110 | V | Maa TV | 27500 |
| 11.110 | V | Pogo | 27500 |
| 11.110 | V | Raj TV | 27500 |
| 11.110 | V | Shalom TV | 27500 |
| 11.110 | V | Star Majaa | 27500 |
| 11.110 | V | Sun Music | 27500 |
| 11.110 | V | Sun News | 27500 |
| 11.110 | V | TV5 Telugu | 27500 |
| 11.110 | V | TV9 | 27500 |
| 11.110 | V | World Movies | 27500 |
| 11.110 | V | Zee Gujarathi | 27500 |
| 11.110 | V | Zee Punjabi | 27500 |
| 11.110 | V | Zee Telugu | 27500 |
| 11.150 | V | AASTHA | 27500 |
| 11.150 | V | 9XM | 27500 |
| ● 11.150 | V | CARE WORLD | 27500 |
| ● 11.150 | V | E 24 | 27500 |
| 11.150 | V | ETC | 27500 |
| 11.150 | V | KAIRALI TV | 27500 |
| 11.150 | V | MAKKAL TV | 27500 |
| 11.150 | V | PTC NEWS | 27500 |
| 11.150 | V | TEST 310 | 27500 |
| 11.150 | V | TOTAL TV | 27500 |
| 11.150 | V | AIR BANGLA | 27500 |
| 11.150 | V | AIR HINDI | 27500 |
| 11.150 | V | AIR KANNADA | 27500 |
| 11.150 | V | AIR N E | 27500 |
| 11.185 | V | CNBC | 20000 |
| 11.185 | V | ETV Bengali | 20000 |
| 11.185 | V | ETV Urdu | 20000 |
| 11.185 | V | HBO | 20000 |
| 11.185 | V | Hungama | 20000 |
| 11.185 | V | Jain TV | 20000 |
| 11.185 | V | Kairali | 20000 |
| 11.185 | V | Makkal TV | 20000 |
| 11.185 | V | Mega TV | 20000 |
| 11.185 | V | Podhigai | 20000 |
| 11.185 | V | Star Gold | 20000 |
| 11.185 | V | Star One | 20000 |
| 11.185 | V | Win TV | 20000 |
| 11.185 | V | Yo Music | 20000 |
| 11.185 | V | Zee Cafe | 20000 |
| 11.185 | V | Zee Music | 20000 |
| 11.185 | V | Zee TV | 20000 |
| 11.185 | V | Zoom TV | 20000 |
| 11.185 | V | SFM - B'lore | 20000 |
| 11.185 | V | SFM Hyderabad | 20000 |
| 11.185 | V | SuryanFM | 20000 |
| ● 11.185 | V | {Empty Name} | 20000 |
| 11.490 | V | Amrita TV | 27500 |
| 11.490 | V | DW-TV | 27500 |
| 11.490 | V | INDIA NEWS | 27500 |
| 11.490 | V | KBS WORLD | 27500 |
| 11.490 | V | NEWS 24 | 27500 |
| 11.490 | V | NEWS LIVE | 27500 |
| 11.490 | V | NHK WORLD | 27500 |
| 11.490 | V | TEST 508 | 27500 |
| 11.490 | V | TEST 509 | 27500 |
| 11.490 | V | TEST 510 | 27500 |
| 11.490 | V | AIR Assamese | 27500 |
| 11.490 | V | AIR Malayalam | 27500 |
| 11.490 | V | FM Gold Mumbai | 27500 |
| 11.490 | V | FM Rainbow Chennai | 27500 |
| 11.490 | V | Radio Kashmir | 27500 |
| 11.490 | V | TEST | 27500 |
| 11.530 | V | 9X | 27500 |
| 11.530 | V | 9XM | 27500 |
| 11.530 | V | Asianet Suvarna | 27500 |
| 11.530 | V | Cartoon Network | 27500 |
| 11.530 | V | CNN IBN | 27500 |
| 11.530 | V | Disney English | 27500 |
| 11.530 | V | ETV Kannada | 27500 |
| ● 11.530 | V | Hasya There | 27500 |
| 11.530 | V | MI Marathi | 27500 |
| 11.530 | V | N TV | 27500 |
| 11.530 | V | NDTV Good Times | 27500 |
| 11.530 | V | NDTV Imagine | 27500 |
| 11.530 | V | NE TV | 27500 |
| 11.530 | V | Nepal TV | 27500 |
| 11.530 | V | PTC Punjabi | 27500 |
| 11.530 | V | Star ananda | 27500 |
| 11.530 | V | Star Plus | 27500 |
| 11.530 | V | Star World | 27500 |
| 11.530 | V | TV 9 Kannada | 27500 |
| 11.530 | V | Udaya 2 | 27500 |
| 11.530 | V | Udaya Varthegalu | 27500 |
| ● 11.530 | V | Vasanth TV | 27500 |
| 11.530 | V | Zee Cinema | 27500 |
| 11.530 | V | Zee Studio | 27500 |
| 11.570 | V | B4U Music | 27500 |
| 11.570 | V | DD Urdu | 27500 |
| 11.570 | V | Gyandarshan-1 | 27500 |
| 11.570 | V | Gyandarshan-2 | 27500 |
| 11.570 | V | Jaihind TV | 27500 |
| 11.570 | V | Kalaignar TV | 27500 |
| 11.570 | V | Mega TV | 27500 |
| 11.570 | V | Music India | 27500 |
| 11.570 | V | Star Utsav | 27500 |
| 11.570 | V | TEST 407 | 27500 |
| 11.570 | V | AIR Oriya | 27500 |
| 11.570 | V | AIR Ragam | 27500 |
| 11.570 | V | AIR Urdu | 27500 |
| 11.570 | V | FM Rainbow Banglore | 27500 |
| ● 11.610 | V | Aaj Tak | 27500 |
| 11.610 | V | Akash Bangla | 27500 |
| 11.610 | V | Asianet | 27500 |
| 11.610 | V | Asianet News | 27500 |
| 11.610 | V | Asianet Plus | 27500 |
| 11.610 | V | Bindass | 27500 |
| 11.610 | V | Colors | 27500 |
| 11.610 | V | ETV Marathi | 27500 |
| 11.610 | V | God TV | 27500 |
| 11.610 | V | History Channel | 27500 |
| 11.610 | V | India Vision | 27500 |
| 11.610 | V | Jeevan | 27500 |
| 11.610 | V | Kairali People | 27500 |
| 11.610 | V | Kairali We | 27500 |
| ● 11.610 | V | Navvula Thera | 27500 |
| 11.610 | V | NGC | 27500 |
| 11.610 | V | O TV | 27500 |
| 11.610 | V | Sanskar | 27500 |
| 11.610 | V | Shakti TV | 27500 |
| 11.610 | V | Times Now | 27500 |
| 11.610 | V | UTV Movies | 27500 |
| 11.610 | V | UTV News | 27500 |
| 11.610 | V | Zee bengali | 27500 |
| 11.610 | V | Zee Sports | 27500 |
| 11.645 | V | ABC | 20000 |
| ● 11.645 | V | AXN | 20000 |
| 11.645 | V | CCTV 9 | 20000 |
| 11.645 | V | CNN | 20000 |
| 11.645 | V | Daystar | 20000 |
| 11.645 | V | Fashion TV | 20000 |
| 11.645 | V | Jaya Plus | 20000 |
| 11.645 | V | Manorama News | 20000 |
| 11.645 | V | NDTV 24x7 | 20000 |
| 11.645 | V | NDTV India | 20000 |
| 11.645 | V | NDTV Profit | 20000 |
| ● 11.645 | V | News X | 20000 |
| 11.645 | V | Raj Vissa | 20000 |
| 11.645 | V | Ten Sports | 20000 |
| ● 11.645 | V | VH1 | 20000 |
| 11.645 | V | Zee Classic | 20000 |
| 11.645 | V | Zee Kannada | 20000 |
| 11.645 | V | Zee Premier | 20000 |
| ● 11.645 | V | {Empty Name} | 20000 |
| ● 11.668 | V | TEST HD -2 | 9500 |
| ● 11.668 | V | TEST HD -1 | 9500 |
| ● 11.682 | V | Animal Planet | 9500 |
| 11.682 | V | CNBC Awaaz | 9500 |
| ● 11.682 | V | Discovery | 9500 |
| ● 11.682 | V | Nickelodeon | 9500 |
| ● 11.682 | V | SAB | 9500 |
| ● 11.682 | V | Sony | 9500 |
| ● 11.682 | V | Sony Pix | 9500 |
| 11.682 | V | Star News | 9500 |
| 11.038 | H | CHANNEL V | 40700 |
| 11.038 | H | CNBC AWAAZ | 40700 |
| 11.038 | H | CNN IBN | 40700 |
| 11.038 | H | DISH INTERACTIVE | 40700 |
| 11.038 | H | DISNEY CHANNEL | 40700 |
| 11.038 | H | ETV 2 | 40700 |
| 11.038 | H | ETV BANGLA | 40700 |
| 11.038 | H | ETV GUJARATI | 40700 |
| 11.038 | H | ETV KANNADA | 40700 |
| 11.038 | H | ETV ORIYA | 40700 |
| 11.038 | H | ETV TELUGU | 40700 |
| 11.038 | H | ETV UP | 40700 |
| 11.038 | H | ETV URDU | 40700 |
| 11.038 | H | HISTORY CHANNEL | 40700 |
| 11.038 | H | HUNGAMA | 40700 |
| 11.038 | H | KHEL ACTIVE | 40700 |
| 11.038 | H | KIDS ACTIVE | 40700 |
| 11.038 | H | NAT GEO | 40700 |
| 11.038 | H | NE TV | 40700 |
| 11.038 | H | STAR UTSAV | 40700 |
| 11.038 | H | TOON DISNEY | 40700 |
| 11.038 | H | TV 5 MONDE | 40700 |
| 11.091 | H | CGNTV | 29500 |
| 12.534 | V | BBC WORLD | 40700 |
| 12.534 | V | BOOMERANG | 40700 |
| 12.534 | V | ESPN | 40700 |
| 12.534 | V | FILMY | 40700 |
| 12.534 | V | GEMINI NEWS | 40700 |
| 12.534 | V | INDIA NEWS | 40700 |
| 12.534 | V | ISAI ARUVI | 40700 |
| 12.534 | V | MAA TV | 40700 |
| 12.534 | V | MANORAMA NEWS | 40700 |
| 12.534 | V | MGM | 40700 |
| 12.534 | V | NDTV IMAGINE | 40700 |

**TV** Digital
**Radio** Digital
**TV** Digital Crypt
**Radio** Digital Crypt
**TV** High Definition
**TV** High Definition Crypt

| Freq GHz | Pol | Channel Name | Symbol rate |
|---|---|---|---|
| 12.534 | V | RAJ DIGITAL | 40700 |
| 12.534 | V | RAJ TV | 40700 |
| 12.534 | V | SAHARA ONE | 40700 |
| 12.534 | V | SAMAY TV | 40700 |
| 12.534 | V | STAR ONE | 40700 |
| 12.534 | V | STAR PLUS | 40700 |
| 12.534 | V | ZEE GUJARATI | 40700 |
| 12.534 | V | ZEE TELUGU | 40700 |
| 12.534 | V | ZOOM TV | 40700 |
| 12.534 | V | ZEE JAGRAN | 40700 |
| 12.595 | V | 24 GHANTA | 40700 |
| 12.595 | V | 9X | 40700 |
| 12.595 | V | AAKAASH BANGLA | 40700 |
| 12.595 | V | ASIANET | 40700 |
| 12.595 | H | ASIANET NEWS | 40700 |
| 12.595 | H | ASIANET PLUS | 40700 |
| 12.595 | V | CNEB | 40700 |
| 12.595 | H | DISH NEWS ACTIVE | 40700 |
| 12.595 | H | DISH SPORTS ACTIV | 40700 |
| 12.595 | H | ETV MARATHI | 40700 |
| 12.595 | V | FASHION TV | 40700 |
| 12.595 | H | GAMES ACTIVE | 40700 |
| 12.595 | V | INDIA TV | 40700 |
| 12.595 | V | JAYA TV | 40700 |
| 12.595 | V | LIVE INDIA | 40700 |
| 12.595 | V | MI MARATHI | 40700 |
| 12.595 | V | Movie Active | 40700 |
| 12.595 | H | MOVIE ON DEMAND 1 | 40700 |
| 12.595 | H | MOVIE ON DEMAND 2 | 40700 |
| 12.595 | H | MOVIE ON DEMAND 3 | 40700 |
| 12.595 | H | MOVIE ON DEMAND 4 | 40700 |
| 12.595 | H | MOVIE ON DEMAND 5 | 40700 |
| 12.595 | H | MOVIE ON DEMAND 6 | 40700 |
| 12.595 | H | NDTV PROFIT | 40700 |
| 12.595 | V | NEPAL 1 | 40700 |
| 12.595 | V | PLAY TV | 40700 |
| 12.595 | V | SS MUSIC | 40700 |
| 12.595 | V | STAR VIJAY | 40700 |
| 12.595 | V | TBN | 40700 |
| 12.595 | H | TCM | 40700 |
| 12.595 | V | TOPPER | 40700 |
| 12.595 | V | TV9 KANNADA | 40700 |
| 12.595 | V | TV9 TELUGU | 40700 |
| 12.595 | V | VOICE OF INDIA | 40700 |
| 12.595 | V | ZEE 24 TAAS | 40700 |
| 12.595 | V | ZEE NEWS | 40700 |
| 12.595 | V | ZEE TALKIES | 40700 |
| ● 12.595 | H | BHAKTI Mosaic | 40700 |
| 12.595 | V | SMILE TV | 40700 |
| ● 12.595 | V | ZEE TAMIL | 40700 |
| ● 12.638 | V | COLORS | 13300 |
| 12.638 | V | OTV | 13300 |
| 12.638 | V | PTC Punjabi | 13300 |
| ● 12.638 | V | ZEE 24G CHHATTISG | 13300 |
| ● 12.638 | V | TIME TV | 13300 |
| 12.647 | H | ANIMAL PLANET | 27500 |
| 12.647 | H | ANIMAX | 27500 |
| 12.647 | H | AXN | 27500 |
| 12.647 | H | DISCOVERY | 27500 |
| 12.647 | H | DISCOVERY T & LIV | 27500 |
| 12.647 | H | M TV | 27500 |
| 12.647 | H | MAX | 27500 |
| 12.647 | H | NDTV INDIA | 27500 |
| 12.647 | H | NICKELODEON | 27500 |
| 12.647 | H | PIX | 27500 |
| 12.647 | H | SAB TV | 27500 |
| 12.647 | H | SONY | 27500 |
| 12.647 | H | TEN SPORTS | 27500 |
| 12.647 | H | 999 Active | 27500 |
| 12.688 | H | CHUTTI TV | 27500 |
| 12.688 | H | GEMINI MUSIC | 27500 |
| 12.688 | H | GEMINI TV | 27500 |
| 12.688 | H | K TV | 27500 |
| 12.688 | H | KIRAN TV | 27500 |
| 12.688 | H | SUN MUSIC | 27500 |
| 12.688 | H | SUN NEWS | 27500 |
| 12.688 | H | SUN TV | 27500 |
| 12.688 | H | SURYA TV | 27500 |
| 12.688 | H | TEJA TV | 27500 |
| 12.688 | H | U2 | 27500 |
| 12.688 | H | UDAYA MOVIES | 27500 |
| 12.688 | H | UDAYA TV | 27500 |
| 12.688 | H | UDAYA VARTHEGALU | 27500 |
| 12.688 | V | ZEE BANGLA | 27500 |
| 12.688 | V | ZEE CAFE | 27500 |
| 12.688 | V | ZEE KANNADA | 27500 |
| 12.688 | V | ZEE MARATHI | 27500 |
| 12.688 | V | ZEE MUZIC | 27500 |
| 12.688 | V | ZEE PUNJABI | 27500 |
| 12.688 | V | ZEE STUDIO | 27500 |
| 12.688 | V | ZEE TV | 27500 |
| 12.688 | V | Playjam | 27500 |
| 12.729 | V | CARTOON NETWORK | 27500 |
| 12.729 | V | CNBC TV 18 | 27500 |
| 12.729 | V | CNN | 27500 |
| 12.729 | V | HBO | 27500 |
| 12.729 | V | NDTV 24x7 | 27500 |
| 12.729 | V | NEWS X | 27500 |
| 12.729 | V | STAR CRICKET | 27500 |
| 12.729 | V | ZEE BUSINESS | 27500 |
| 12.729 | V | ZEE CINEMA | 27500 |
| 12.729 | V | ZEE NEXT | 27500 |
| 12.729 | V | ZEE SPORTS | 27500 |
| 12.729 | V | ZEE TRENDZ | 27500 |
| ● 11.172 | H | AAJ TAK | 27500 |
| ● 11.172 | H | Cinema Active | 27500 |
| ● 11.172 | H | ETC PUNJABI | 27500 |
| ● 11.172 | H | MUSIC Active | 27500 |
| ● 11.172 | H | POGO | 27500 |
| ● 11.172 | H | STAR GOLD | 27500 |
| ● 11.172 | H | STAR MOVIES | 27500 |
| ● 11.172 | H | STAR NEWS | 27500 |
| ● 11.172 | H | STAR SPORTS | 27500 |
| ● 11.172 | H | STAR WORLD | 27500 |
| ● 11.172 | H | TIMES NOW | 27500 |
| ● 11.172 | H | VH1 | 27500 |
| ● 11.172 | H | ZEE ACTION | 27500 |
| ● 11.172 | H | ZEE CLASSIC | 27500 |
| ● 11.172 | H | ZEE PREMIERE | 27500 |

**South East Asia**

**NSS 6**

**95.1 East**

| Freq GHz | Pol | Channel Name | Symbol rate |
|---|---|---|---|
| ● 11.635 | H | ACE CHANNEL | 27500 |
| 11.635 | H | CGNTV | 27500 |
| 11.635 | H | DMC | 27500 |
| 11.635 | H | For Mankind TV | 27500 |
| 11.635 | H | Nation Channel | 27500 |
| ● 11.635 | H | News 1 | 27500 |
| ● 11.635 | H | PEAK CHANNEL | 27500 |
| 11.635 | H | Suwannabhumi Ch | 27500 |
| 11.635 | H | TCC | 27500 |
| 11.676 | H | Body and Mind | 27500 |
| 11.676 | H | e-San Discovery | 27500 |
| 11.676 | H | For the Earth TV | 27500 |
| 11.676 | H | News 1 | 27500 |
| 11.676 | H | Suwannabhumi Channel | 27500 |
| 11.676 | H | TOC | 27500 |
| 11.676 | H | Variety | 27500 |
| 11.676 | H | ASTV Radio 1 | 27500 |
| 11.676 | H | ASTV Radio 2 | 27500 |
| 11.676 | H | ASTV Radio 3 | 27500 |
| 11.676 | H | ASTV Radio 4 | 27500 |
| 11.676 | H | ASTV Radio 5 | 27500 |
| 11.676 | H | ASTV Radio 6 | 27500 |

**EXPRESS AM 33**

**96.5 East**

EXP033CB

| Freq GHz | Pol | Channel Name | Symbol rate |
|---|---|---|---|
| ● 3.675 | R | 7TV | 33483 |
| ● 3.675 | R | Dubl-3+RRD3 | 33483 |
| ● 3.675 | R | Orbita-3R+Mayak | 33483 |
| ● 3.675 | R | Kultura-2+Vesti-FM | 33483 |
| ● 3.675 | R | TRK5_Kamchatka | 33483 |
| ● 3.675 | R | TRK5_MSK | 33483 |
| ● 3.675 | R | TRK5_Sibir | 33483 |
| ● 3.675 | R | DFM Region | 33483 |
| ● 3.675 | R | Hit-FM | 33483 |
| ● 3.675 | R | MAXIMUM | 33483 |
| ● 3.675 | R | RSN | 33483 |
| ● 3.675 | R | Russian Radio | 33483 |
| ● 3.675 | R | Data SMR_96.5 | 33483 |
| ● 3.675 | R | DOBRYE_PESNI | 33483 |
| ● 3.675 | R | Radio AI-15 | 33483 |
| ● 3.675 | R | Radio AI-16 | 33483 |
| ● 3.675 | R | Radio CH20 | 33483 |
| ● 3.675 | R | Radio CH21 | 33483 |
| ● 3.675 | R | Radio CH22 | 33483 |
| ● 3.675 | R | Radio CH23 | 33483 |
| ● 3.675 | R | Radio CH24 | 33483 |
| ● 3.675 | R | Radio CH25 | 33483 |
| ● 3.675 | R | Radio CH26 | 33483 |
| ● 3.675 | R | Radio CH27 | 33483 |
| ● 3.675 | R | Radio CH28 | 33483 |
| ● 3.675 | R | Radio CH29 | 33483 |
| ● 3.675 | R | Radio CH30 | 33483 |
| ● 3.675 | R | Radio CH70 | 33483 |
| ● 3.675 | R | Radio CH71 | 33483 |
| ● 3.675 | R | Radio MayakO3 | 33483 |
| ● 3.675 | R | Radio RossiiD3 | 33483 |
| ● 3.675 | R | Radio Vesti-FM | 33483 |
| ● 3.675 | R | Radio Yunost O2 | 33483 |
| ● 3.758 | R | TK Rossia NGTRK | 4340 |
| ● 3.795 | R | Alt TV | 1478 |
| ● 3.808 | R | TPK-CEPER | 3215 |
| ● 3.817 | R | GTRK Altai | 4270 |
| ● 3.838 | R | GTRK Perm | 3230 |
| ● 3.843 | R | GTRK_KURGAN | 3220 |
| ● 3.925 | R | 1TVRUS vostok | 4883 |
| ● 4.108 | R | BGTRK | 4275 |
| ● 4.114 | R | RTPC Irkutsk | 4285 |
| ● 4.143 | R | TRV Muzhi | 3210 |
| ● 4.175 | R | Krasnoyrsk | 3294 |

**PROTOSTAR 1**

**98.5 East**

| Freq GHz | Pol | Channel Name | Symbol rate |
|---|---|---|---|
| ● 11.536 | H | TVLanka | 27500 |
| ● 11.536 | H | TVLTest | 27500 |
| ● 11.536 | H | Shakthi | 27500 |
| ● 11.536 | H | Sooryan | 27500 |

**C-Band: ASIASAT 2**

**100.5 East**

ASI002CB

| Freq GHz | Pol | Channel Name | Symbol rate |
|---|---|---|---|
| 3.660 | V | AL EMARAT | 27500 |
| 3.660 | V | AL-ALAM | 27500 |
| 3.660 | V | ALKASS | 27500 |
| 3.660 | V | IRIB3 | 27500 |
| 3.660 | V | NILE NEWS | 27500 |
| 3.660 | V | PRESS TV PROMO | 27500 |
| 3.660 | V | EL BERNAMERG | 27500 |
| 3.660 | V | EL-QURAN EL-KARIM | 27500 |
| 3.660 | V | RADIO MAAREF | 27500 |
| 3.660 | V | RADIO QURAN | 27500 |
| 3.660 | V | RADIO SARASARI | 27500 |
| 3.707 | H | UP4 | 4165 |
| 3.760 | H | E! Asia | 27500 |
| ● 3.760 | H | The Style Network As | 27500 |
| ● 3.768 | V | AsiaPacific | 6525 |
| 3.779 | V | AJK-TV. | 3333 |
| 3.789 | H | BRUNEI INTERNATIO | 6000 |
| 3.793 | V | Shamshad TV | 2443 |
| ● 3.802 | H | APTN1 GVW +4420748 | 5630 |
| 3.820 | V | Abu Dhabi TV | 27500 |
| 3.820 | V | Aljazeera Channel | 27500 |
| 3.820 | V | KUWAIT | 27500 |
| 3.820 | V | Libiya TV | 27500 |
| 3.820 | V | Oman TV | 27500 |
| 3.820 | V | Qatar TV | 27500 |
| 3.820 | V | Saudi Arabian TV 2 | 27500 |
| 3.820 | V | SAUDI TV | 27500 |
| 3.820 | V | Sharjah TV | 27500 |
| 3.820 | V | Sudan TV | 27500 |
| 3.820 | V | Syria TV | 27500 |
| 3.820 | V | Yemen TV | 27500 |
| 3.820 | V | EMIRATES FM | 27500 |
| 3.820 | V | Main General Program | 27500 |
| 3.820 | V | Oman Holy Quran | 27500 |
| 3.820 | V | Oman Radio | 27500 |
| 3.820 | V | Qatar Radio | 27500 |
| 3.820 | V | Radio Omdurman Holy | 27500 |
| 3.820 | V | Radio Quran | 27500 |
| 3.820 | V | Saudi Radio 1 | 27500 |
| 3.820 | V | Sharjah FM | 27500 |
| 3.820 | V | Sudan Radio | 27500 |
| 3.820 | V | Voice of people | 27500 |
| 3.820 | V | Voice of Youth | 27500 |
| 3.820 | V | Yemen Radio 1 | 27500 |
| 3.820 | V | Yemen Radio 2 | 27500 |
| ● 3.907 | H | Reuters WNS | 4000 |
| 3.960 | H | CFI Asia pro | 27500 |
| 3.960 | H | TRACE TV | 27500 |
| 3.960 | H | VISION2 | 27500 |
| 3.960 | H | Cancao Nova | 27500 |
| ● 3.960 | H | DAYSTAR | 27500 |
| 3.960 | H | EURONEWS-AFRICA | 27500 |
| 3.960 | H | RECORD INTERNATIO | 27500 |
| 3.960 | H | Supreme Master TV | 27500 |
| 3.980 | V | 511 | 28100 |
| 3.980 | V | 702 STAR PLUS | 28100 |
| 3.980 | V | 704 STAR Movies | 28100 |
| 3.980 | V | 707 STAR GOLD | 28100 |
| 3.980 | V | 736 Adventure | 28100 |
| 3.980 | V | 737 Adventure | 28100 |
| 3.980 | V | 741 History/Adventur | 28100 |
| 3.980 | V | 751 Star World India | 28100 |
| 3.980 | V | 752 Channel [V] Indi | 28100 |
| 3.980 | V | 754 STAR Plus Paki | 28100 |
| 3.980 | V | 777 STAR One India | 28100 |
| 3.980 | V | 800 Vijay India | 28100 |
| 3.980 | V | Adventure | 28100 |
| 3.980 | V | CHannel [V] | 28100 |
| 3.980 | V | History/Adventure | 28100 |
| 3.980 | V | STAR Gold | 28100 |
| 3.980 | V | STAR Movies | 28100 |
| 3.980 | V | STAR One India | 28100 |
| 3.980 | V | STAR Plus | 28100 |
| 3.980 | V | STAR World | 28100 |
| 3.980 | V | VIJAY | 28100 |
| 4.000 | H | LUXE-TV-HD | 28120 |
| 4.000 | H | Cubavision | 28120 |
| 4.000 | H | LUXE-TV-SD | 28120 |
| 4.000 | H | RAI International | 28120 |
| 4.000 | H | RTPi | 28120 |
| 4.000 | H | RTR Planeta | 28120 |
| 4.000 | H | TVE | 28120 |
| 4.000 | H | RAI International As | 28120 |
| 4.000 | H | RAIRadio | 28120 |
| 4.000 | H | RDP Antena 1 | 28120 |
| 4.000 | H | RDP Internacional | 28120 |
| 4.000 | H | REE | 28120 |
| 4.000 | H | RFI Cambodge | 28120 |
| 4.000 | H | RFI Francais | 28120 |
| 4.000 | H | RFI Langues1 | 28120 |
| 4.000 | H | RNE Contribucion | 28120 |
| 4.000 | H | RNW | 28120 |
| 4.000 | H | WRN | 28120 |
| 4.000 | H | WRN Mul AAP | 28120 |
| 4.000 | H | YLESAT1 | 28120 |
| 4.000 | H | YLESAT2 | 28120 |
| 4.149 | V | BAR | 11850 |
| 4.149 | V | MACAU1 | 11850 |
| 4.149 | V | MACAU2 | 11850 |
| 4.149 | V | MACAU3 | 11850 |
| 4.149 | V | MACAU4 | 11850 |
| 4.149 | V | MACAU5 | 11850 |

**ASIASAT 2**

**100.5 East**

ASI002KU

| Freq GHz | Pol | Channel Name | Symbol rate |
|---|---|---|---|
| 12.267 | V | XHTV | 5400 |

**EXPRESS A2,KAZSAT 1**

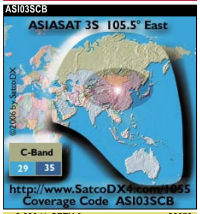
**103.0 East**

| Freq GHz | Pol | Channel Name | Symbol rate |
|---|---|---|---|
| 3.675 | R | Duble-1+RRD1 | 31100 |
| 3.675 | R | Duble-2+RRD2 | 33469 |
| 3.675 | R | FNS | 31100 |
| 3.675 | R | Orbita-1+Mayak | |
| 3.675 | R | Orbita-2+Yunost | 33469 |
| 3.675 | R | Kultura-1 | 31100 |
| 3.675 | R | MuzTV_Love | 31100 |
| 3.675 | R | Radio Love | 31100 |
| 3.675 | R | Radio Maximum | 31100 |
| 3.675 | R | Radio Mayak | 31100 |
| 3.675 | R | Radio RussiaD1 | 31100 |
| 11.475 | R | FNS | 29800 |
| 11.475 | R | MuzTV_Love | 29800 |
| 11.475 | R | Radio Love | 29800 |
| 11.475 | R | Radio Mayak | 29800 |

**C-Band: ASIASAT 3S**

**105.5 East**

ASI03SCB




| Freq GHz | Pol | Channel Name | Symbol rate |
|---|---|---|---|
| 3.680 | H | CETV-2 | 26670 |
| 3.680 | H | CETV-1 | 26670 |
| 3.680 | H | Maharishi | 26670 |
| 3.700 | V | Test 2 | 27500 |
| 3.700 | V | Z STUDIO | 27500 |
| 3.700 | V | Z TRENDZ | 27500 |
| 3.700 | V | ZEE CAFE | 27500 |
| 3.700 | V | ZEE M E | 27500 |
| 3.700 | V | ZEE MALAY | 27500 |
| 3.700 | V | Zee S E A | 27500 |
| 3.706 | H | CNAI NTSC | 6000 |
| 3.706 | H | CNAI PAL | 6000 |
| 3.725 | V | BTV WORLD | 4450 |
| 3.729 | H | Celestial CMC | 13650 |
| 3.729 | H | Celestial CMV | 13650 |
| 3.729 | H | AZIO ASIA PLUS | 13650 |
| 3.729 | H | TVB8 | 13650 |
| 3.733 | V | ACTION Cinema DTO | 6500 |
| 3.733 | V | CLASSIC Cinema DT | 6500 |
| 3.733 | V | PREMIER Cinema DT | 6500 |
| 3.733 | V | Test New DTO | 6500 |
| 3.746 | V | FASHION TV | 2628 |
| ● 3.751 | V | AAJ TV | 2820 |
| ● 3.755 | V | Arirang2 | 4418 |
| ● 3.760 | H | Eurosport Asia | 26000 |
| ● 3.760 | H | EurosportNews | 26000 |
| ● 3.760 | H | Al Jazeera Internati | 26000 |
| ● 3.760 | H | Bloomberg | 26000 |
| ● 3.760 | H | DW-TV ASIA | 26000 |
| ● 3.760 | H | Muslim TV1 | 26000 |
| ● 3.760 | H | Muslim TV2 | 26000 |
| ● 3.760 | H | NOW | 26000 |
| ● 3.760 | H | Russia Today | 26000 |
| ● 3.760 | H | Supreme Master TV | 26000 |
| ● 3.760 | H | TV5 | 26000 |
| ● 3.760 | H | DW-M | 26000 |
| ● 3.760 | H | DW01 | 26000 |
| ● 3.760 | H | DW02 | 26000 |
| ● 3.760 | H | DW04 | 26000 |
| ● 3.760 | H | DW05 | 26000 |
| ● 3.760 | H | DW06 | 26000 |
| ● 3.760 | H | DW08 | 26000 |
| ● 3.760 | H | DW09 | 26000 |
| ● 3.760 | H | RFI Francais | 26000 |
| ● 3.760 | H | RFI Langues1 | 26000 |
| 3.780 | V | 508 | 28100 |
| 3.780 | V | 701 FOX Sports | 28100 |
| 3.780 | V | 708 Nat. Geo | 28100 |
| 3.780 | V | 709 NG Wild | 28100 |
| 3.780 | V | 710 Fox Crime | 28100 |
| 3.780 | V | 722 STAR Chinese M | 28100 |
| 3.780 | V | 764 StarCont | 28100 |
| 3.780 | V | 767 Movies ME | 28100 |
| 3.780 | V | 773 Movies ME | 28100 |
| 3.780 | V | 779 World ME | 28100 |
| 3.780 | V | 780 World PH | 28100 |
| 3.780 | V | 793 STAR Chinese M | 28100 |
| 3.780 | V | Nat. Geo | 28100 |
| 3.780 | V | STAR | 28100 |
| 3.780 | V | STAR Movies ME | 28100 |
| 3.780 | V | STAR World | 28100 |
| 3.780 | V | 769 STAR Utsav | 28100 |
| 3.780 | V | STAR UTSAV | 28100 |
| 3.786 | H | News One | 5700 |
| 3.786 | H | Tv One | 5700 |
| 3.786 | H | WASEB_TV | 5700 |
| 3.793 | R | Service 2 | 3000 |
| 3.840 | H | 609 Sky News | 26850 |
| 3.840 | H | 610 Fox News | 26850 |
| 3.840 | H | 750 [V] Taiwan | 26850 |
| 3.840 | H | 756 STAR Chinese C | 26850 |
| 3.840 | H | 757 Star Chinese Mov | 26850 |
| 3.840 | H | 758 Star Movies | 26850 |
| 3.840 | H | 759 Nat Geo T | 26850 |
| 3.840 | H | 760 [V] TAIWAN | 26850 |
| 3.840 | H | 761 Sky News | 26850 |
| 3.840 | H | 762 Fox News | 26850 |
| 3.840 | H | 790 STAR Chinese I | 26850 |
| 3.840 | H | FOX News | 26850 |
| 3.840 | H | Sky News | 26850 |
| 3.880 | H | 9X_A | 27500 |
| 3.880 | H | 9XM_A | 27500 |
| 3.920 | H | 20 STAR SPORTS AS | 26850 |
| 3.920 | H | 201 ESPN Malaysia | 26850 |
| 3.920 | H | 202 ESPN ASIA | 26850 |
| 3.920 | H | 206 STAR SPORTS T | 26850 |
| 3.920 | H | 207 Star Sports Mala | 26850 |
| 3.920 | H | 208 STAR Sports SE | 26850 |
| 3.920 | H | 220 ESS CONT1 | 26850 |
| 3.920 | H | 222 ESPN CHINA | 26850 |
| 3.920 | H | 216 BPL RADIO | 26850 |
| 3.940 | V | 703 STAR PLUS ME | 28100 |
| 3.940 | V | 711 Fox FX | 28100 |
| 3.940 | V | 712 Nat Geo Philippi | 28100 |
| 3.940 | V | 714 STAR One ME | 28100 |
| 3.940 | V | 725 STAR Gold Int' | 28100 |
| 3.940 | V | 785 STAR Plus ME | 28100 |
| 3.940 | V | 786 STAR One | 28100 |
| 3.940 | V | 787 Vijay US | 28100 |
| 3.940 | V | 788 STAR Chinese M | 28100 |
| 3.940 | V | 789 STAR News HK | 28100 |
| 3.940 | V | 791 STARCon | 28100 |
| 3.940 | V | STAR Gold Int'l | 28100 |
| 3.940 | V | STAR News | 28100 |
| 3.940 | V | STAR Plus | 28100 |
| 3.960 | H | Boomerang | 27500 |
| 3.960 | H | Boomerang SE Asia | 27500 |
| 3.960 | H | Carton Macau | 27500 |
| 3.960 | H | Cartoon Asia | 27500 |
| 3.960 | H | Cartoon Australia | 27500 |
| 3.960 | H | Cartoon Philippines | 27500 |
| 3.960 | H | Cartoon Taiwan | 27500 |
| 3.960 | H | CNNI Asia | 27500 |
| 3.960 | H | Newsource DNEW | 27500 |
| 3.960 | H | TCM Australia | 27500 |
| 3.980 | V | 511 | 28100 |
| 3.980 | V | 702 STAR PLUS | 28100 |
| 3.980 | V | 704 STAR Movies | 28100 |
| 3.980 | V | 707 STAR GOLD | 28100 |
| 3.980 | V | 736 Adventure | 28100 |
| 3.980 | V | 737 Adventure | 28100 |
| 3.980 | V | 741 History/Adventur | 28100 |
| 3.980 | V | 751 Star World India | 28100 |
| 3.980 | V | 752 Channel [V] Indi | 28100 |
| 3.980 | V | 754 STAR Plus Paki | 28100 |
| 3.980 | V | 777 STAR One India | 28100 |
| 3.980 | V | 800 Vijay India | 28100 |
| 3.980 | V | Adventure | 28100 |
| 3.980 | V | CHannel [V] | 28100 |
| 3.980 | V | History/Adventure | 28100 |
| 3.980 | V | STAR Gold | 28100 |
| 3.980 | V | STAR Movies | 28100 |
| 3.980 | V | STAR One India | 28100 |
| 3.980 | V | STAR Plus | 28100 |
| 3.980 | V | STAR World | 28100 |
| 3.980 | V | VIJAY | 28100 |
| ● 4.000 | H | 604 Channel [V] Int' | 26850 |
| ● 4.000 | H | 715 Ph's Movies | 26850 |
| ● 4.000 | H | 716 STAR Chinese M | 26850 |
| ● 4.000 | H | 721 Movies Int'l | 26850 |
| ● 4.000 | H | 745 Movies Int'l | 26850 |
| ● 4.000 | H | 748 Star World Asia | 26850 |
| ● 4.000 | H | 749 Star World | 26850 |
| ● 4.000 | H | 765 Nat. Geo | 26850 |
| ● 4.000 | H | 766 Channel [V] Int' | 26850 |
| ● 4.000 | H | 771 Movies Int'l | 26850 |
| ● 4.000 | H | 775 Movies Int'l | 26850 |
| ● 4.000 | H | 776 Nat. Geo | 26850 |
| ● 4.000 | H | 778 Xing Kong Region | 26850 |
| ● 4.000 | H | Channel [V] Int'l | 26850 |
| ● 4.000 | H | Nat. Geo | 26850 |
| ● 4.000 | H | STAR Movies Int'l | 26850 |
| ● 4.000 | H | STAR World | 26850 |
| ● 4.000 | H | Subtitle-Test. | 26850 |
| ● 4.000 | H | 726 Ph'x Info | 26850 |
| ● 4.000 | H | 743 Phoenix Chinese | 26850 |
| ● 4.000 | H | 745 XING KONG | 26850 |
| ● 4.000 | H | 747 Channel [V] Chin | 26850 |
| 4.020 | V | FIRANGI | 27250 |
| 4.020 | V | Sahara FILMI | 27250 |
| 4.020 | V | Sahara ONE | 27250 |
| 4.020 | V | Aalami Sahara | 27250 |
| 4.020 | V | Sahara BIH | 27250 |
| 4.020 | V | Sahara MP | 27250 |
| 4.020 | V | Sahara MUM | 27250 |
| 4.020 | V | Sahara NAT | 27250 |
| 4.020 | V | Sahara NCR | 27250 |
| 4.020 | V | Sahara UP | 27250 |
| ● 4.040 | H | AETN TV 340 | 20400 |
| ● 4.040 | H | Farda Radio 404 | 20400 |
| ● 4.040 | H | Farda/VOA/RFE Radi | 20400 |
| ● 4.040 | H | IBB OS Download 8 | 20400 |
| ● 4.040 | H | IBB OS Download 9 | 20400 |
| ● 4.040 | H | IBB VOA RFE/RL Ra | 20400 |
| ● 4.040 | H | IBB VOA RFE/RL Ra | 20400 |
| ● 4.040 | H | IBB VOA RFE/RL Ra | 20400 |
| ● 4.040 | H | IBB VOA RFE/RL Ra | 20400 |
| ● 4.040 | H | IBB VOA RFE/RL Ra | 20400 |
| ● 4.040 | H | IBB VOA RFE/RL Ra | 20400 |
| ● 4.040 | H | IBB VOA RFE/RL Ra | 20400 |
| ● 4.040 | H | IBB VOA RFE/RL Ra | 20400 |
| ● 4.040 | H | IBB VOA RFE/RL Ra | 20400 |
| ● 4.040 | H | IBB VOA RFE/RL Ra | 20400 |
| ● 4.040 | H | IBB VOA RFE/RL Ra | 20400 |
| ● 4.040 | H | IBB VOA RFE/RL Ra | 20400 |
| ● 4.040 | H | IBB VOA RFE/RL Ra | 20400 |
| ● 4.040 | H | IBB VOA RFE/RL Ra | 20400 |
| ● 4.040 | H | IBB VOA RFE/RL Ra | 20400 |
| ● 4.040 | H | IBB VOA RFE/RL Ra | 20400 |
| ● 4.040 | H | IBB VOA RFE/RL Ra | 20400 |
| ● 4.040 | H | Not Scheduled 402 | 20400 |
| ● 4.040 | H | RFA Radio 390 | 20400 |
| ● 4.040 | H | VOA Asiasat TV 1 | 20400 |
| ● 4.040 | H | VOA Asiasat TV 370 | 20400 |
| ● 4.040 | H | VOA Asiasat TV 371 | 20400 |
| ● 4.040 | H | VOA Asiasat TV 372 | 20400 |
| ● 4.040 | H | VOA Asiasat TV 377 | 20400 |
| ● 4.040 | H | VOA Asiasat TV 378 | 20400 |
| ● 4.040 | H | VOA IOR TV 409 | 20400 |
| ● 4.040 | H | VOA Radio 380 | 20400 |
| ● 4.040 | H | VOA Radio 381 | 20400 |
| ● 4.040 | H | VOA Radio 383 | 20400 |
| ● 4.040 | H | RFA 1 Radio 411 | 20400 |
| ● 4.040 | H | RFA 2 Radio 412 | 20400 |
| ● 4.040 | H | RFA 3 Radio 413 | 20400 |
| ● 4.040 | H | RFA 4 Radio 414 | 20400 |
| 4.091 | V | ATV | 13330 |
| 4.091 | V | AVT Khyber | 13330 |
| 4.091 | V | PTV world | 13330 |
| 4.091 | V | PTV1 | 13330 |
| 4.091 | V | Radio Pakistan 1 | 13330 |
| 4.091 | V | Radio Pakistan 2 | 13330 |
| ● 4.095 | H | {Empty Name} | 5550 |
| 4.103 | V | PTV GLOBAL USA | 2895 |
| 4.108 | V | PTV GLOBAL UK EUR | 2893 |
| 4.111 | H | MATV | 13650 |
| 4.111 | H | Xing He | 13650 |
| 4.111 | H | i-Horizon | 13650 |
| 4.111 | H | Lotus | 13650 |
| 4.114 | V | Ptv-K LAT | 7000 |
| 4.114 | V | Ptv National | 7000 |
| 4.114 | V | PTV-K FEED | 7000 |
| 4.114 | V | Radio Pakistan 1 | 7000 |
| 4.130 | H | Hum TV | 13600 |
| 4.130 | H | Masala TV | 13600 |
| 4.130 | H | Style 360 | 13600 |
| 4.140 | V | ZEE TAMIL | 27500 |
| 4.140 | V | ZEE 36GARH | 27500 |
| 4.140 | V | ZEE BANGLA | 27500 |
| 4.140 | V | ZEE BUSINESS | 27500 |
| 4.140 | V | ZEE CINEMA | 27500 |
| 4.140 | V | ZEE GUJRATI | 27500 |
| 4.140 | V | ZEE MARATHI | 27500 |
| 4.140 | V | ZEE PUNJABI | 27500 |
| 4.140 | V | ZEE NEWS | 27500 |
| 4.140 | V | ZEE TV - NEW | 27500 |
| 4.140 | V | ZEE MUSIC | 27500 |
| 4.140 | V | ZEE SMILE | 27500 |
| 4.180 | V | GEO INTL | 26666 |
| 4.180 | V | GEO ME | 26666 |
| 4.180 | V | GEO NEWS | 26666 |
| 3.860 | V | 401 ESPN Taiwan | 27500 |
| 3.860 | V | 402 ESPN Taiwan | 27500 |
| 3.860 | V | 405 ESPN Asia | 27500 |
| 3.860 | V | 406 ESPN Asia | 27500 |
| 3.860 | V | 407 ESPN Asia | 27500 |
| 3.860 | V | 408 ESPN Asia | 27500 |
| 3.860 | V | 409 STAR Sports So | 27500 |
| 3.860 | V | 410 STAR Sports So | 27500 |
| 3.860 | V | 411 STAR Sports In | 27500 |
| 3.860 | V | 412 STAR Sports In | 27500 |
| 3.860 | V | 413 STAR Sports Ta | 27500 |
| 3.860 | V | 414 STAR Sports Ta | 27500 |
| 3.860 | V | 420 STAR Sports So | 27500 |
| 3.860 | V | 423 STAR Cricket | 27500 |
| 3.860 | V | 424 STAR Cricket | 27500 |
| 3.860 | V | 441 STAR Sports | 27500 |
| 3.860 | V | 442 STAR Sports | 27500 |
| 3.860 | V | 481 STAR Sports | 27500 |
| 3.860 | V | 482 STAR Sports | 27500 |
| 3.860 | V | 705 STAR Sports | 27500 |
| 3.860 | V | 706 STAR Sports | 27500 |
| 3.860 | V | 717 STAR Cricket | 27500 |
| 3.860 | V | 718 STAR Cricket | 27500 |
| 3.860 | V | 719 ESPN India | 27500 |
| 3.860 | V | 720 ESPN India | 27500 |
| ● 3.860 | V | 723 STAR Sports | 27500 |
| ● 3.860 | V | 742 STAR Sports | 27500 |
| ● 3.860 | V | 755 ESPN | 27500 |
| ● 3.860 | V | 772 ESPN India | 27500 |
| ● 3.860 | V | 763 STAR Sports | 27500 |
| ● 3.860 | V | 792 ESPN India | 27500 |
| ● 3.860 | V | ESPN Asia | 27500 |
| ● 3.860 | V | ESPN India | 27500 |
| ● 3.860 | V | ESPN Philippines | 27500 |
| ● 3.860 | V | STAR Cricket | 27500 |
| ● 3.860 | V | STAR Sports | 27500 |
| ● 3.860 | V | STAR Sports SEA | 27500 |
| ● 3.860 | V | 480 CUE | 27500 |

**ASIASAT 3S**

**105.5 East**

ASI03SSA

| Freq GHz | Pol | Channel Name | Symbol rate |
|---|---|---|---|
| 12.352 | V | IRIB QURAN | 30000 |
| 12.352 | V | IRIB3 | 30000 |
| 12.352 | V | IRIBAMOOZESH | 30000 |
| 12.352 | V | IRIBTV1 | 30000 |
| 12.352 | V | IRIBTV2 | 30000 |
| 12.352 | V | IRIBTV3 | 30000 |
| 12.352 | V | IRIBTV4 | 30000 |
| 12.352 | V | IRIBTV5 | 30000 |
| 12.352 | V | IRINN | 30000 |
| 12.352 | V | PRESS TV | 30000 |
| 12.352 | V | SAHAR | 30000 |
| 12.352 | V | RADIO FARHANG | 30000 |
| 12.352 | V | RADIO IRAN | 30000 |
| 12.352 | V | RADIO JAVAN | 30000 |
| 12.352 | V | RADIO MAAREF | 30000 |
| 12.352 | V | RADIO PAYAM | 30000 |
| 12.352 | V | RADIO QURAN | 30000 |
| 12.352 | V | RADIO SEDAYE ASHN | 30000 |
| 12.352 | V | RADIO VARZESH | 30000 |
| 12.378 | V | IRIB TABAN | 3100 |
| 12.382 | V | HAMOON | 3100 |
| ● 12.465 | V | Noor TV | 3100 |
| 12.469 | V | TAMADON TV | 2900 |
| ● 12.683 | V | IRIB KERMAN | 5800 |
| ● 12.683 | V | IRIB KHALIJEFARS | 5800 |
| ● 12.683 | V | KERMAN FEED | 5800 |
| ● 12.683 | V | RADIO BANDARABAS | 5800 |
| ● 12.683 | V | RADIO KERMAN | 5800 |

**CAKRAWARTA 1**

**107.7 East**

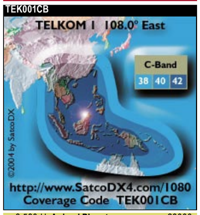
CAK001SB

| Freq GHz | Pol | Channel Name | Symbol rate |
|---|---|---|---|
| 2.535 | H | Animax | 20000 |
| 2.535 | H | BBC Knowledge | 20000 |
| 2.535 | H | Celestial Movies | 20000 |
| 2.535 | H | Channel [V] | 20000 |
| 2.535 | H | Disc. Travel & Livin | 20000 |
| 2.535 | H | ESPN | 20000 |
| 2.535 | H | FoxCrime | 20000 |
| 2.535 | H | Indosiar | 20000 |
| 2.535 | H | MNC Music Channel | 20000 |
| 2.535 | H | NGC | 20000 |
| 2.535 | H | RCTI | 20000 |
| 2.535 | H | STAR World | 20000 |
| 2.535 | H | Universal Channel | 20000 |
| 2.535 | H | BBC World Service | 20000 |
| 2.535 | H | Radio Kis FM | 20000 |
| 2.535 | H | Radio Woman | 20000 |
| 2.535 | H | RadioNet Mandiri | 20000 |
| 2.565 | H | Australia Network | 20000 |
| 2.565 | H | Cartoon Network | 20000 |
| 2.565 | H | Cbeebies | 20000 |
| 2.565 | H | Channel NewsAsia | 20000 |
| 2.565 | H | Disney | 20000 |
| 2.565 | H | Nickelodeon | 20000 |
| ● 2.565 | H | OKE Nusantara | 20000 |
| 2.565 | H | Playhouse Disney | 20000 |
| 2.565 | H | Quick Channel | 20000 |
| 2.565 | H | Swara | 20000 |
| 2.565 | H | TBN/U Chnl Trial | 20000 |
| 2.565 | H | TVRI | 20000 |
| 2.565 | H | Vision3 Baby | 20000 |
| ● 2.595 | H | Animax | 20000 |
| 2.595 | H | AXN | 20000 |
| ● 2.595 | H | BBC Knowledge | 20000 |
| 2.595 | H | BBC World | 20000 |
| ● 2.595 | H | Celestial Movies | 20000 |
| ● 2.595 | H | Channel [V] | 20000 |
| 2.595 | H | CNBC Asia | 20000 |
| 2.595 | H | CNNI | 20000 |
| 2.595 | H | Discovery | 20000 |
| ● 2.595 | H | ESPN | 20000 |
| 2.595 | H | Eurosport | 20000 |
| ● 2.595 | H | FoxCrime | 20000 |
| 2.595 | H | Hallmark | 20000 |
| 2.595 | H | HBO | 20000 |
| 2.595 | H | HBO Signature | 20000 |
| ● 2.595 | H | Indosiar | 20000 |
| ● 2.595 | H | MNC Music Channel | 20000 |
| ● 2.595 | H | NGC | 20000 |
| 2.595 | H | NHK | 20000 |
| ● 2.595 | H | RCTI | 20000 |
| ● 2.595 | H | STAR World | 20000 |
| 2.595 | H | Stock Watch | 20000 |
| ● 2.595 | H | Universal Channel | 20000 |
| 2.595 | H | Vision1 Sports | 20000 |
| 2.595 | H | Vision2 Drama | 20000 |
| ● 2.595 | H | Disc. Travel & Livin | 20000 |
| ● 2.595 | H | BBC World Service | 20000 |
| 2.595 | H | Radio ARH Global | 20000 |
| 2.595 | H | Radio Kis FM | 20000 |
| 2.595 | H | Radio LITE FM | 20000 |
| 2.595 | H | Radio Mustang | 20000 |
| 2.595 | H | Radio PAS FM | 20000 |
| 2.595 | H | Radio Pelita Kasih | 20000 |
| 2.595 | H | Radio SMART FM | 20000 |
| 2.595 | H | Radio Trijaya | 20000 |
| ● 2.595 | H | Radio Woman | 20000 |
| 2.595 | H | RadioNet Mandiri | 20000 |
| 2.625 | H | AFC | 20000 |
| 2.625 | H | Animal Planet | 20000 |
| 2.625 | H | ANTV | 20000 |
| 2.625 | H | Cinemax | 20000 |
| 2.625 | H | E! | 20000 |
| ● 2.625 | H | FEED 1 | 20000 |
| 2.625 | H | Ginx | 20000 |
| 2.625 | H | Max Bollywood | 20000 |
| 2.625 | H | MTV Asia | 20000 |
| 2.625 | H | STAR Movies | 20000 |
| 2.625 | H | STAR Sports | 20000 |
| 2.625 | H | Test Channel | 20000 |
| 2.625 | H | Trans 7 | 20000 |
| 2.625 | H | Radio Australia | 20000 |
| 2.625 | H | Radio Dangdut TPI | 20000 |
| 2.625 | H | Radio Sonora | 20000 |
| 2.625 | H | Voice of America | 20000 |
| ● 2.655 | H | Animax | 20000 |
| ● 2.655 | H | BBC Knowledge | 20000 |
| ● 2.655 | H | Celestial Movies | 20000 |
| ● 2.655 | H | Disc. Travel & Livin | 20000 |
| ● 2.655 | H | ESPN | 20000 |
| ● 2.655 | H | FoxCrime | 20000 |
| ● 2.655 | H | Indosiar | 20000 |
| ● 2.655 | H | MNC Music Channel | 20000 |
| ● 2.655 | H | NGC | 20000 |
| ● 2.655 | H | STAR World | 20000 |
| ● 2.655 | H | Universal Channel | 20000 |
| ● 2.655 | H | Channel [V] | 20000 |
| ● 2.655 | H | RCTI | 20000 |
| ● 2.655 | H | BBC World Service | 20000 |
| ● 2.655 | H | Radio Kis FM | 20000 |
| ● 2.655 | H | Radio Woman | 20000 |
| ● 2.655 | H | RadioNet Mandiri | 20000 |

**C-Band: TELKOM 1**

**108.0 East**

TEK001CB



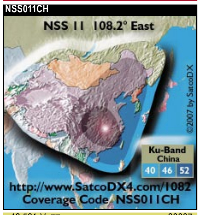

| Freq GHz | Pol | Channel Name | Symbol rate |
|---|---|---|---|
| 3.580 | H | Animal Planet | 28000 |
| ● 3.580 | H | Cartoon Network | 28000 |
| 3.580 | H | Cinemax | 28000 |
| 3.580 | H | CNBC | 28000 |
| 3.580 | H | CNN Intl | 28000 |
| 3.580 | H | Discovery | 28000 |
| 3.580 | H | Formosa TV | 28000 |
| 3.580 | H | HBO | 28000 |
| 3.580 | H | MTV | 28000 |
| ● 3.580 | H | National Geographic | 28000 |
| 3.580 | H | NHK | 28000 |
| 3.580 | H | Nickelodeon | 28000 |
| ● 3.580 | H | Star Movies | 28000 |
| 3.580 | H | Star Sports | 28000 |
| 3.580 | H | Star World | 28000 |
| 3.580 | H | TV One | 28000 |
| 3.580 | H | Radio 1 | 28000 |
| ● 3.620 | H | AFC | 28000 |
| 3.620 | H | Animax | 28000 |
| 3.620 | H | AXN | 28000 |
| ● 3.620 | H | BBC World | 28000 |
| ● 3.620 | H | Celestial | 28000 |
| 3.620 | H | Channel 2 | 28000 |
| 3.620 | H | Discovery T&L | 28000 |
| 3.620 | H | Discovery Tb | 28000 |
| ● 3.620 | H | Disney Channel | 28000 |
| ● 3.620 | H | E! Ent | 28000 |
| 3.620 | H | ESPN | 28000 |
| 3.620 | H | Fashion TV | 28000 |
| 3.620 | H | Hallmark | 28000 |
| 3.620 | H | HBO Signature | 28000 |
| 3.620 | H | Ten Sport | 28000 |
| 3.620 | H | Channel 1 | 28000 |
| ● 3.620 | H | Radio 2 | 28000 |
| ● 4.085 | H | TransTV_Test1 | 6000 |
| ● 3.776 | H | RADIO TELEVISAO T | 4285 |
| ● 3.785 | H | Televjsi Edukasi | 4000 |
| ● 3.797 | H | JAYAPURA*TV_PAPUA | 3900 |
| ● 3.807 | H | TVE 2ND PROGRAMME | 4000 |
| ● 3.990 | H | TV7-Network | 6000 |
| ● 4.015 | H | RO BANDA ACEH | 6000 |
| ● 4.092 | H | MetroPapua | 3570 |
| ● 4.097 | H | JTV-REK | 3125 |

**China**

**NSS 11**

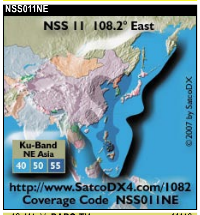
**108.2 East**

NSS011CH




| Freq GHz | Pol | Channel Name | Symbol rate |
|---|---|---|---|
| 12.531 | V | [illegible] | 26667 |
| 12.531 | V | [illegible] | 26667 |
| 12.531 | V | [illegible] | 26667 |
| 12.531 | V | [illegible] | 26667 |
| 12.531 | V | [illegible] | 26667 |
| 12.531 | V | [illegible] | 26667 |
| 12.531 | V | [illegible] | 26667 |
| ● 12.531 | V | [illegible] | 26667 |
| 12.531 | V | [illegible] | 26667 |
| 12.531 | V | [illegible] | 26667 |
| 12.531 | V | [illegible] | 26667 |
| 12.531 | V | [illegible] | 26667 |
| 12.531 | V | [illegible] | 26667 |
| 12.611 | V | [illegible] | 26667 |
| 12.611 | V | [illegible] | 26667 |
| 12.611 | V | [illegible] | 26667 |
| 12.611 | V | [illegible] | 26667 |
| 12.611 | V | [illegible] | 26667 |
| 12.611 | V | [illegible] | 26667 |
| 12.611 | V | [illegible] | 26667 |
| 12.611 | V | [illegible] | 26667 |
| 12.689 | V | [illegible] | 26667 |
| 12.689 | V | [illegible] | 26667 |
| 12.689 | V | [illegible] | 26667 |
| 12.689 | V | [illegible] | 26667 |
| 12.689 | V | [illegible] | 26667 |
| ● 12.689 | V | [illegible] | 26667 |
| 12.689 | V | [illegible] | 26667 |
| 12.689 | V | [illegible] | 26667 |
| 12.689 | V | [illegible] | 26667 |
| 12.689 | V | [illegible] | 26667 |

NSS011NE



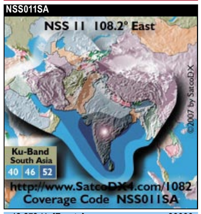

| Freq GHz | Pol | Channel Name | Symbol rate |
|---|---|---|---|
| 12.411 | V | BARO-TV | 11110 |
| 12.411 | V | JBS | 11110 |
| ● 12.411 | V | LGCC | 11110 |
| 12.411 | V | ZAMJARI 1 | 11110 |
| 12.411 | V | ZAMJARI 2 | 11110 |

**India**

**NSS 11**

**108.3 East**

NSS011SA




| Freq GHz | Pol | Channel Name | Symbol rate |
|---|---|---|---|
| 12.273 | H | {Empty} | 30000 |
| 12.329 | H | ASHIRWAD | 5000 |

**BSAT 1A,2A**

**110.0 East**

| Freq GHz | Pol | Channel Name | Symbol rate |
|---|---|---|---|
| 11.727 | R | BS Asahi (Ch 151) | |
| 11.727 | R | BS Asahi (Ch 152) | |
| 11.727 | R | BS Asahi (Ch 153) | |
| 11.727 | R | BS-i | |
| 11.766 | R | Wowow | |
| 11.766 | R | Wowow 2 | |
| 11.766 | R | BS Japan | |
| 11.766 | R | St.Giga | |
| 11.766 | R | BSJ Radio | |
| 11.958 | R | BS Fuji | |
| 11.958 | R | BS Nippon | |
| 11.958 | R | BS NTV Radio 2 | |
| 11.958 | R | BSQR 489 | |
| 11.958 | R | Healing Station | |
| 11.958 | R | LFX 488 | |
| 11.996 | R | BS Asahi | |
| 11.996 | R | Star Channel | |
| 11.996 | R | NHK BS-1 | |
| 11.996 | R | NHK BS-2 | |
| 11.996 | R | B & M 318 | |
| 11.996 | R | Blooming 316 | |
| 11.996 | R | JFN Satellite Radio | |
| 11.996 | R | Opera My Seat | |
| 11.996 | R | World Tour Station | |

**N-SAT 110**

**110.1 East**

JCS110KB

| Freq GHz | Pol | Channel Name | Symbol rate |
|---|---|---|---|
| 12.291 | R | Plat One Promo | |
| 12.291 | R | 60s/70s Rock & Pops | |
| 12.291 | R | 80s/90s Rock & Pops | |
| 12.291 | R | Beatles | |
| 12.291 | R | Borderless | |
| 12.291 | R | C&W | |
| 12.291 | R | Cafés Sound | |
| 12.291 | R | Fusion | |
| 12.291 | R | Healing | |
| 12.291 | R | J-Pop Classic | |
| 12.291 | R | J-Pop Hits | |
| 12.291 | R | Kids | |
| 12.291 | R | Latin | |
| 12.291 | R | Nippon Song | |
| 12.291 | R | R&B Soul | |
| 12.291 | R | Right Classic | |
| 12.291 | R | Rock & Pops Best Hit | |
| 12.291 | R | Soundteria | |
| 12.291 | R | Soundtrack | |
| 12.291 | R | Strings | |
| 12.291 | R | Swing | |
| 12.331 | R | Cartoon Network Japa | |
| 12.331 | R | Fighting TV Samurai! | |
| 12.331 | R | Fox Channel | |
| 12.331 | R | Space Shower TV | |
| 12.331 | R | Sky Perfect TV Promo | |
| 12.371 | R | AXN Japan | |
| 12.371 | R | Channel Neco | |
| 12.371 | R | Cinefil Imagica | |
| 12.371 | R | Eisei Gekijo | |
| 12.371 | R | Nihon Eiga | |
| 12.371 | R | Super Channel | |
| 12.371 | R | Toei Channel | |
| 12.411 | R | EP 56 | |
| 12.411 | R | EP Promo | |
| 12.451 | R | BBTV | |
| 12.451 | R | Belmeson TV | |
| 12.451 | R | Wowow PPV1 | |
| 12.451 | R | Wowow PPV2 | |
| 12.451 | R | Wowow PPV3 | |
| 12.451 | R | Wowow PPV4 | |
| 12.491 | R | Asahi NewStar | |
| 12.491 | R | BBC World | |
| 12.491 | R | CNN International As | |
| 12.491 | R | Comin' Soon TV | |
| 12.491 | R | FavoriTV | |
| 12.491 | R | MTV Japan | |
| 12.491 | R | The Golf Channel | |
| 12.531 | R | J Sky Sports 1 | |
| 12.531 | R | J Sky Sports 2 | |
| 12.531 | R | J Sky Sports 3 | |
| 12.531 | R | Sky A | |
| 12.531 | R | Sports-i ESPN | |
| 12.531 | R | Active! Sports Chann | |
| 12.551 | L | U-One TV | 29915 |
| 12.551 | L | SCC Promo | 29915 |
| 12.571 | R | AT-X | |
| 12.571 | R | CSN 1 Movie Channel | |
| 12.571 | R | Takarazuka Sky Stage | |
| 12.571 | R | The History Channel | |
| 12.571 | R | Takarazuka Sky Stage | |
| 12.611 | R | Golf Network | |
| 12.611 | R | LaLa TV | |
| 12.611 | R | Nikkei CNBC | |
| 12.611 | R | Shop Channel | |
| 12.651 | R | Animal Planet Japan | |
| 12.651 | R | Animax | |
| 12.651 | R | Discovery Channel Ja | |
| 12.651 | R | Fuji TV 721 | |
| 12.651 | R | Fuji TV 739 | |
| 12.691 | R | Family Gekijyo | |
| 12.691 | R | Kids Station | |
| 12.691 | R | TBS Channel | |
| 12.691 | R | Viewsic | |
| 12.691 | R | C-TBS Welcome Chan | |
| 12.691 | R | QVC Japan | |
| 12.730 | R | Bloomberg TV Japan | |
| 12.730 | R | Data College | |
| 12.730 | R | DPSTV | |
| 12.730 | R | G + Sport&News | |
| 12.730 | R | Music Japan TV | |
| 12.730 | R | NNN 24 | |
| 12.730 | R | Science Channel | |

**C-Band: SINOSAT 1**

**110.5 East**

| Freq GHz | Pol | Channel Name | Symbol rate |
|---|---|---|---|
| 3.824 | V | Human university | 2100 |
| 4.067 | V | GW L11R31 | 5990 |
| 4.067 | V | GW L13R14 | 5990 |
| 4.067 | V | GW L15R16 | 5990 |
| 4.067 | V | GW L17R18 | 5990 |
| 4.067 | V | GW L19R20 | 5990 |
| 4.067 | V | GW L21R22 | 5990 |
| 4.067 | V | GW L23R24 | 5990 |
| 4.067 | V | GW L25R26 | 5990 |
| 4.067 | V | GW L27R28 | 5990 |
| 4.067 | V | GW L29R30 | 5990 |
| 4.067 | V | K15 stero | 5990 |

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| Freq GHz | Pol | Channel Name | Symbol rate |
|---|---|---|---|
| 4.067 | V | Lzh5 Rzh6 | 5990 |
| 4.067 | V | Lzh8 Rdjy | 5990 |
| 4.067 | V | SW1 stero | 5990 |
| 4.067 | V | SW2 stero | 5990 |
| 4.067 | V | ZH1 stero | 5990 |
| 4.067 | V | ZH2 stero | 5990 |
| 4.067 | V | ZH3 stero | 5990 |
| 4.067 | V | ZH7 stero | 5990 |
| 4.067 | V | zh7-2 Stereo | 5990 |

**C-Band: PALAPA C2**
**112.9 East**

| Freq GHz | Pol | Channel Name | Symbol rate |
|---|---|---|---|
| 3.765 | H | TVRI JKT | 5555 |
| 3.774 | H | rcti | 6520 |
| 3.774 | H | rcti2 | 6520 |
| 3.774 | H | Trijaya Network | 6520 |
| 3.926 | H | Service 1 | 4208 |
| 3.934 | H | PT SCTV IDJKT | 6620 |
| ● 3.936 | V | rcti | 3000 |
| ● 3.936 | V | rcti2 | 3000 |
| ● 3.936 | V | Trijaya Network | 3000 |
| ● 4.000 | H | PT SCTV IDJKT | 6620 |
| ● 4.000 | H | rcti | 6620 |
| ● 4.000 | H | rcti2 | 6620 |
| ● 4.000 | H | Trijaya Network | 6620 |
| 4.053 | V | ANTEVE | 6510 |
| ● 4.055 | H | ASIALINK | 5640 |
| 4.056 | V | ANTEVE | 6510 |
| ● 4.074 | V | PT SCTV IDJKT | 6500 |
| ● 4.074 | V | rcti | 6500 |
| ● 4.074 | V | rcti2 | 6500 |
| ● 4.074 | V | Trijaya Network | 6500 |
| 4.080 | H | CH10 | 28125 |
| 4.080 | H | CH11 | 28125 |
| 4.080 | H | CH3 | 28125 |
| 4.080 | H | CH6 | 28125 |
| 4.080 | H | CH7 | 28125 |
| ● 4.080 | H | Global TV | 28125 |
| 4.080 | H | Global TV2 | 28125 |
| 4.080 | H | MetroTV | 28125 |
| 4.080 | H | Spacetoon | 28125 |
| 4.080 | H | 68H | 28125 |
| 4.080 | H | Antero | 28125 |
| 4.080 | H | BBC | 28125 |
| 4.080 | H | Delta FM1 | 28125 |
| 4.080 | H | Delta2 FM | 28125 |
| 4.080 | H | POP FM | 28125 |
| 4.080 | H | Pro2 FM | 28125 |
| ● 4.185 | V | TPI TV Makin Asyik | 6700 |
| 4.185 | V | R.Dangdut TPI | 6700 |
| ● 3.926 | V | rcti | 4208 |
| ● 3.926 | V | rcti2 | 4208 |
| ● 3.926 | V | Service 1 | 4208 |
| ● 3.926 | V | Trijaya Network | 4208 |
| ● 3.932 | H | PT SCTV IDJKT | 6620 |
| ● 4.054 | H | ASIALINK | 5632 |
| ● 4.107 | V | K-TV | 3000 |

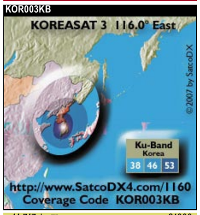
**KOREASAT 5**
**113.1 East**

| Freq GHz | Pol | Channel Name | Symbol rate |
|---|---|---|---|
| 12.458 | H | DIGITAL SNG | 3072 |
| 12.578 | H | EEC SAT HUB1 | 5230 |
| 12.601 | V | FGTV SAT | 3700 |
| 12.665 | H | MBC TV-LINK | 3699 |
| 12.731 | H | FSTV | 28187 |
| 12.731 | H | SANG S TV | 28187 |
| 12.731 | H | SkyCast 06 | 28187 |
| 12.731 | H | SkyCast 07 | 28187 |
| 12.731 | H | SkyCast 10 | 28187 |
| 12.731 | H | SkyCast 11 | 28187 |
| 12.731 | H | SkyCast 12 | 28187 |
| 12.731 | H | SkyCast 2 | 28187 |
| 12.731 | H | SkyCast 4 | 28187 |
| 12.731 | H | SkyCast 08 | 28187 |
| 12.731 | H | SkyCast 09 | 28187 |
| 12.731 | H | SkyCast 1 | 28187 |

**C-Band: CHINASAT 6B**
**115.5 East**
**CHI06BCB**

| Freq GHz | Pol | Channel Name | Symbol rate |
|---|---|---|---|
| ● 3.680 | V | {Empty Name} | 27500 |
| 3.706 | H | FujianRadio1 | 4420 |
| 3.706 | H | FujianTV1 | 4420 |
| 3.730 | H | PhoC | 10720 |
| 3.730 | H | PhoI | 10720 |
| 3.730 | H | PhoM | 10720 |
| 3.740 | V | HD | 27500 |
| 3.740 | V | CHC | 27500 |
| 3.740 | V | CMC | 27500 |
| 3.740 | V | MOTION | 27500 |
| 3.750 | H | hnstv | 10490 |
| 3.750 | H | jykaton | 10490 |
| 3.750 | H | hnjj | 10490 |
| 3.750 | H | hnjt | 10490 |
| 3.750 | H | hnwy | 10490 |
| 3.750 | H | hnxw | 10490 |
| ● 3.750 | H | {Empty Name} | 10490 |
| 3.771 | H | CCTV E | 9375 |
| 3.771 | H | CCTV F | 9375 |
| 3.771 | H | CCTV-4 | 9375 |
| 3.771 | H | CCTV-9 | 9375 |
| 3.780 | V | DONGMAM1 | 27500 |
| 3.780 | V | ENGLISH | 27500 |
| 3.780 | V | EXHIBITION | 27500 |
| 3.780 | V | FOOD | 27500 |
| 3.780 | V | FOOTBALL1 | 27500 |
| 3.780 | V | PinYu | 27500 |
| 3.780 | V | QiPai | 27500 |
| ● 3.780 | V | YINGXIANGSHIJIE | 27500 |
| 3.786 | H | sichuan | 5440 |
| 3.786 | H | scgb1 | 5440 |
| 3.786 | H | scgb2 | 5440 |
| 3.786 | H | scgb3 | 5440 |
| 3.786 | H | scgb4 | 5440 |
| 3.786 | H | scgb5 | 5440 |
| 3.786 | H | scgb6 | 5440 |
| 3.786 | H | scgb7 | 5440 |
| 3.796 | H | GZTV | 6930 |
| 3.796 | H | GZ-DSGB | 6930 |
| 3.796 | H | GZ-JJGB | 6930 |
| 3.796 | H | GZ-JTGB | 6930 |
| 3.796 | H | GZ-XWZHGB | 6930 |
| 3.796 | H | GZ-YYGB | 6930 |
| 3.807 | V | ChongqingTV | 6000 |
| 3.807 | V | Audio1 | 6000 |
| 3.807 | V | Audio2 | 6000 |
| 3.807 | V | Audio3 | 6000 |
| 3.807 | V | Audio4 | 6000 |
| 3.807 | V | Audio5 | 6000 |
| 3.807 | V | Audio6 | 6000 |
| 3.808 | H | OTV6 | 8800 |
| 3.808 | H | SBN | 8800 |
| 3.825 | V | ZJTV | 6780 |
| 3.825 | V | RS232 | 6780 |
| 3.825 | V | ZJBC1 | 6780 |
| 3.825 | V | ZJBC2 | 6780 |
| 3.825 | V | ZJBC3 | 6780 |
| 3.825 | V | ZJBC4 | 6780 |
| 3.825 | V | ZJBC5 | 6780 |
| 3.825 | V | ZJBC6 | 6780 |
| 3.825 | V | ZJBC7 | 6780 |
| 3.825 | V | ZJBC8 | 6780 |
| 3.834 | V | ShanDongTV | 5400 |
| 3.834 | V | SDJiaoTong | 5400 |
| 3.834 | V | SDJingJi | 5400 |
| 3.834 | V | SDRenMin | 5400 |
| 3.834 | V | SDShengHuo | 5400 |
| 3.834 | V | SDWenYi | 5400 |
| 3.834 | V | SDXiangCun | 5400 |
| 3.840 | H | CCTV-1 | 27500 |
| 3.840 | H | CCTV-10 | 27500 |
| 3.840 | H | CCTV-11 | 27500 |
| 3.840 | H | CCTV-12 | 27500 |
| 3.840 | H | CCTV-2 | 27500 |
| 3.840 | H | CCTV-7 | 27500 |
| 3.840 | H | CCTV-MUSIC | 27500 |
| 3.840 | H | Skystream data | 27500 |
| ● 3.846 | V | SHANXI SAT TV | 5950 |
| ● 3.846 | V | SHANXI TV | 5950 |
| 3.854 | V | Henan TV | 4420 |
| 3.854 | V | HN Radio1 | 4420 |
| 3.854 | V | HN Radio2 | 4420 |
| 3.854 | V | HN Radio4 | 4420 |
| 3.854 | V | HN Radio5 | 4420 |
| 3.861 | V | Ningxia TV | 4800 |
| 3.861 | V | Ningxia Radio | 4800 |
| 3.871 | V | NLTV | 9080 |
| 3.871 | V | SXTVS | 9080 |
| 3.871 | V | SX-DuShi-BC | 9080 |
| 3.871 | V | SX-JiaoTong-BC | 9080 |
| 3.871 | V | SX-JingJi-BC | 9080 |
| 3.871 | V | SX-NC/GS-BC | 9080 |
| 3.871 | V | SX-ShaoEr-BC | 9080 |
| 3.871 | V | SX-XinWen-BC | 9080 |
| 3.871 | V | SX-XiQu-BC | 9080 |
| 3.871 | V | SX-YinYue-BC | 9080 |
| 3.880 | H | CCTV-3 | 27500 |
| 3.880 | H | CCTV-5 | 27500 |
| 3.880 | H | CCTV-6 | 27500 |
| 3.880 | H | CCTV-8 | 27500 |
| 3.880 | H | CCTV-新闻 | 27500 |
| 3.880 | H | CCTV-少儿 | 27500 |
| 3.885 | V | SDETV | 4340 |
| 3.892 | V | JXTV1 | 4420 |
| 3.892 | V | JXTV2 | 4420 |
| 3.892 | V | JXTV3 | 4420 |
| 3.892 | V | JXTV4 | 4420 |
| 3.900 | V | JSTV | 6670 |
| 3.900 | V | Audio01 | 6670 |
| 3.900 | V | Audio02 | 6670 |
| 3.900 | V | Audio03 | 6670 |
| 3.900 | V | Audio04 | 6670 |
| 3.900 | V | Audio05 | 6670 |
| 3.900 | V | Audio06 | 6670 |
| 3.900 | V | Audio07 | 6670 |
| 3.900 | V | Audio08 | 6670 |
| 3.900 | V | Audio09 | 6670 |
| 3.900 | V | Audio10 | 6670 |
| 3.910 | V | GSTV | 6400 |
| 3.910 | V | GSBC1 | 6400 |
| 3.910 | V | GSBC2 | 6400 |
| 3.910 | V | GSBC3 | 6400 |
| 3.910 | V | RS232 | 6400 |
| ● 3.920 | H | first_service | 4420 |
| 3.929 | V | Ahtv Service | 8835 |
| 3.929 | V | Ahradio Service | 8835 |
| 3.940 | V | Tianjin TV | 5950 |
| 3.940 | V | TJBINHAI | 5950 |
| 3.940 | V | TJQUXIAN | 5950 |
| 3.940 | V | TJWENYI | 5950 |
| 3.940 | V | TJXINWEN | 5950 |
| 3.940 | V | TJZONGHE | 5950 |
| ● 3.950 | H | Guangdong 1 | 11400 |
| ● 3.950 | H | GXTV | 11400 |
| ● 3.950 | H | SZTV | 11400 |
| 3.951 | V | BEIJING KAKU | 9525 |
| 3.951 | V | BEIJING TV | 9525 |
| 3.980 | V | 城市建设 | 27500 |
| 3.980 | V | 东方物流 | 27500 |
| 3.980 | V | 发现之旅 | 27500 |
| 3.980 | V | 环球奇观 | 27500 |
| 3.980 | V | 老故事 | 27500 |
| 3.980 | V | 女性时尚 | 27500 |
| 3.980 | V | 书画 | 27500 |
| 3.980 | V | 现代女性 | 27500 |
| 3.980 | V | 中视购物 | 27500 |
| 3.980 | V | 中小学同步辅导 | 27500 |
| 4.000 | H | CETV1 | 27500 |
| 4.020 | V | 百姓健康 | 27500 |
| 4.020 | V | 财富天下 | 27500 |
| 4.020 | V | 彩民在线 | 27500 |
| 4.020 | V | 高尔夫 | 27500 |
| 4.020 | V | 快乐购物 | 27500 |
| 4.020 | V | 老年福 | 27500 |
| 4.020 | V | 摄影频道 | 27500 |
| 4.020 | V | 英语辅导 | 27500 |
| 4.020 | V | 早期教育 | 27500 |
| 4.040 | H | 东方财经 | 27500 |
| 4.040 | H | 东方健康 | 27500 |
| 4.040 | H | 动漫秀场 | 27500 |
| 4.040 | H | 劲爆体育 | 27500 |
| 4.040 | H | 全纪实 | 27500 |
| 4.040 | H | 幸福彩 | 27500 |
| 4.040 | H | 游戏风云 | 27500 |
| 4.040 | H | Ó×¶ù½ÌÓý | 27500 |
| 4.040 | H | 爱乐频率 | 27500 |
| 4.060 | V | 第一剧场 | 27500 |
| 4.060 | V | 风云剧场 | 27500 |
| 4.060 | V | 风云音乐 | 27500 |
| 4.060 | V | 风云足球 | 27500 |
| 4.060 | V | 高尔夫网球 | 27500 |
| 4.060 | V | 国防军事 | 27500 |
| 4.060 | V | 怀旧剧场 | 27500 |
| 4.060 | V | 世界地理 | 27500 |
| 4.060 | V | 央视精品 | 27500 |
| 4.060 | V | 电视指南 | 27500 |
| 4.080 | H | 都市剧场 | 27500 |
| 4.080 | H | 法治天地 | 27500 |
| 4.080 | H | 欢笑剧场 | 27500 |
| 4.080 | H | 极速汽车 | 27500 |
| 4.080 | H | 金色频道 | 27500 |
| 4.080 | H | 七彩戏剧 | 27500 |
| 4.080 | H | 生活时尚 | 27500 |
| 4.080 | H | 说文解字 | 27500 |
| 4.080 | H | 魅力音乐 | 27500 |
| 4.100 | V | CCTV-HD | 27500 |
| 4.110 | H | 东方卫视海外版 | 13300 |
| 4.110 | H | 美食天府 | 13300 |
| 4.110 | H | 玩具益智 | 13300 |
| 4.110 | H | 文物宝库 | 13300 |
| 4.110 | H | 武术世界 | 13300 |
| 4.140 | V | DV生活 | 27500 |
| 4.140 | V | 梨园 | 27500 |
| 4.140 | V | 留学世界 | 27500 |
| 4.140 | V | 汽摩 | 27500 |
| 4.140 | V | 青年学苑 | 27500 |
| 4.140 | V | 天元围棋 | 27500 |
| 4.140 | V | 先锋纪录 | 27500 |
| 4.140 | V | 游戏竞技 | 27500 |
| 4.140 | V | 孕育指南 | 27500 |
| 4.140 | V | 靓妆 | 27500 |
| 4.147 | H | HubeiTV | 6150 |
| 4.147 | H | hubei1 | 6150 |
| 4.147 | H | hubei2 | 6150 |
| 4.147 | H | hubei3 | 6150 |
| 4.147 | H | hubei4 | 6150 |
| 4.147 | H | hubei5 | 6150 |
| 4.147 | H | hubei6 | 6150 |
| 4.147 | H | hubei7 | 6150 |
| 4.147 | H | hubei8 | 6150 |
| 4.147 | H | hubei9 | 6150 |
| 4.158 | H | CHINIC 10K101 | 8680 |
| 4.158 | H | DVT | 8680 |
| 4.158 | H | EncoMux1 | 8680 |
| 4.158 | H | EncoMux2 | 8680 |
| 4.171 | H | NMTV-H | 9200 |
| 4.171 | H | NMTV-M | 9200 |
| 4.175 | V | GW L11R31 | 5990 |
| 4.175 | V | GW L13R14 | 5990 |
| 4.175 | V | GW L15R16 | 5990 |
| 4.175 | V | GW L17R18 | 5990 |
| 4.175 | V | GW L19R20 | 5990 |
| 4.175 | V | GW L21R22 | 5990 |
| 4.175 | V | GW L23R24 | 5990 |
| 4.175 | V | GW L25R26 | 5990 |
| 4.175 | V | GW L27R28 | 5990 |
| 4.175 | V | GW L29R30 | 5990 |
| 4.175 | V | K15 stero | 5990 |
| 4.175 | V | Lzh5 Rzh6 | 5990 |
| 4.175 | V | Lzh8 Rdjy | 5990 |
| 4.175 | V | SW1 stero | 5990 |
| 4.175 | V | SW2 stero | 5990 |
| 4.175 | V | ZH1 stero | 5990 |
| 4.175 | V | ZH2 stero | 5990 |
| 4.175 | V | ZH3 stero | 5990 |
| 4.175 | V | ZH7 stero | 5990 |
| 4.175 | V | zh7-2 Stereo | 5990 |
| 4.192 | V | Hebei TV | 6000 |
| 4.192 | V | Hebei Radio1 | 6000 |
| 4.192 | V | Hebei Radio2 | 6000 |
| 4.192 | V | Hebei Radio3 | 6000 |
| 4.192 | V | HebeiRadio4 | 6000 |
| 4.192 | V | HebeiRadio5 | 6000 |

**KOREASAT 3**
**116.0 East**
**KOR003KB**




| Freq GHz | Pol | Channel Name | Symbol rate |
|---|---|---|---|
| 11.747 | L | □□ | 21300 |
| 11.747 | L | □□ | 21300 |
| 11.747 | L | □□□ | 21300 |
| 11.747 | L | □ | 21300 |
| 11.785 | L | □□ | 21300 |
| ● 11.785 | L | □ | 21300 |
| 11.785 | L | □ | 21300 |
| 11.785 | L | □□□ | 21300 |
| 11.785 | L | □□ | 21300 |
| 11.785 | L | □□□□ | 21300 |
| 11.785 | L | □□ | 21300 |
| 11.785 | L | □□ | 21300 |
| 11.862 | H | □□ | 21300 |
| 11.862 | H | □□□ | 21300 |
| 11.862 | H | | 21300 |
| 11.862 | H | □□□ | 21300 |
| 11.862 | H | □□ | 21300 |
| 11.862 | H | □ | 21300 |
| 11.862 | H | □□□□ | 21300 |
| 11.862 | H | □□ | 21300 |
| 12.330 | H | □□□ | 27489 |
| 12.330 | H | □□□□□□□□□ | 27489 |
| 12.330 | H | □□□ؤ | 27489 |
| 12.330 | H | □□□ | 27489 |
| 12.330 | H | □ | 27489 |
| 12.330 | H | □□□ | 27489 |
| 12.330 | H | □ | 27489 |
| 12.330 | H | □ | 27489 |
| 12.410 | H | □□ | 27489 |
| 12.410 | H | | 27489 |
| 12.410 | H | □□ | 27489 |
| 12.410 | H | □ | 27489 |
| 12.410 | H | □□ | 27489 |
| 12.410 | H | □ | 27489 |
| 12.410 | H | □□ | 27489 |
| 12.450 | H | □ | 27489 |
| 12.450 | H | □□ | 27489 |
| 12.450 | H | □ | 27489 |
| 12.450 | H | □ | 27489 |
| 12.450 | H | □□□ | 27489 |
| 12.730 | H | □□ | 27490 |
| 12.730 | H | □ | 27489 |
| 12.730 | H | □□ | 27490 |
| 12.730 | H | □ | 27489 |
| 12.730 | H | □ | 27490 |
| 12.730 | H | □ | 27489 |
| 12.730 | H | □□ | 27490 |
| 12.730 | H | □□□ | 27490 |
| 12.730 | H | □ | 27490 |
| ● 11.747 | L | □□ | 21300 |
| ● 11.747 | L | □□ | 21300 |
| ● 11.747 | L | □□□ | 21300 |
| ● 11.747 | L | □ | 21300 |
| ● 11.823 | H | □□ | 21300 |
| ● 11.823 | H | □ | 21300 |
| ● 11.823 | H | □□ | 21300 |
| ● 11.823 | H | □□ | 21300 |
| ● 11.823 | H | □□ | 21300 |

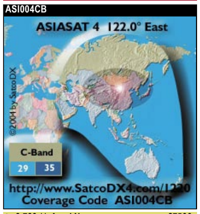
**THAICOM 1A**
**120.0 East**
**THA01ACR**

| Freq GHz | Pol | Channel Name | Symbol rate |
|---|---|---|---|
| 3.758 | V | Laos TV | 3033 |
| 3.758 | V | Radio Laos | 3033 |
| 3.855 | V | CTN 1 | 5926 |
| 3.855 | V | CTN 2 | 5926 |
| 3.886 | V | Thai Society Channel | 3000 |
| 3.916 | V | BAYON/TKM, 2 Audio | 3359 |
| 12.602 | H | Test card | 29000 |

**ASIASAT 4**
**122.0 East**
**ASI004KE**

| Freq GHz | Pol | Channel Name | Symbol rate |
|---|---|---|---|
| 11.727 | R | Happy Together | 24440 |
| 11.727 | R | Playboy | 24440 |
| 11.727 | R | ANIMAX | 24440 |
| 11.727 | R | AXN | 24440 |
| 11.727 | R | BBC | 24440 |
| 11.727 | R | Bloomberg | 24440 |
| 11.727 | R | CCTV-4 | 24440 |
| 11.727 | R | CCTV-9 | 24440 |
| 11.727 | R | ETTV Asia | 24440 |
| 11.727 | R | Phoenix Info | 24440 |
| 11.804 | R | Southern TV | 24440 |
| 11.804 | R | Asia Plus | 24440 |
| 11.804 | R | Hallmark | 24440 |
| 11.804 | R | National Geographic | 24440 |
| 11.804 | R | Phoenix Chinese | 24440 |
| 11.804 | R | Shanghai Dragon TV | 24440 |
| 11.804 | R | TVB-8 | 24440 |
| 11.804 | R | TVB-Xinghe | 24440 |
| 11.804 | R | TVBS-News | 24440 |
| 11.804 | R | Xing Kong | 24440 |
| 11.881 | R | Hu Nan | 24440 |
| 11.881 | R | Macau Sat. Asia TV | 24440 |
| 11.881 | R | [V] Mandarin | 24440 |
| 11.881 | R | A1 | 24440 |
| 11.881 | R | Beijing TV | 24440 |
| 11.881 | R | CCTV-11 | 24440 |
| 11.881 | R | Guangdong | 24440 |
| 11.881 | R | MTV China | 24440 |
| 11.881 | R | TVBS Asia | 24440 |
| 11.881 | R | Zhujiang TV | 24440 |
| 11.958 | R | Channel News Asia | 24440 |
| 11.958 | R | ETTV Movie | 24440 |
| 11.958 | R | Fashion TV | 24440 |
| 11.958 | R | Football Channel | 24440 |
| 11.958 | R | NHK Premium | 24440 |
| 11.958 | R | Skywave Info | 24440 |
| 11.958 | R | Sport Channel | 24440 |
| 11.958 | R | Goal 2 | 24440 |
| 11.958 | R | Test | 24440 |
| ● 11.727 | R | Happy Together | 24437 |
| ● 11.727 | R | Playboy | 24437 |
| ● 11.727 | R | ANIMAX | 24437 |
| ● 11.727 | R | AXN | 24437 |
| ● 11.727 | R | BBC | 24437 |
| ● 11.727 | R | Bloomberg | 24437 |
| ● 11.727 | R | CCTV-4 | 24437 |
| ● 11.727 | R | CCTV-9 | 24437 |
| ● 11.727 | R | ETTV Asia | 24437 |
| ● 11.727 | R | Phoenix Info | 24437 |

**C-Band: ASIASAT 4**
**122.1 East**
**ASI004CB**




| Freq GHz | Pol | Channel Name | Symbol rate |
|---|---|---|---|
| ● 3.760 | H | Azad News | 27500 |
| ● 3.760 | H | MH-1 Shraddha | 27500 |
| ● 3.760 | H | Zee 24 Taas | 27500 |
| ● 3.760 | H | Zee Cinema | 27500 |
| ● 3.760 | H | Zee Talkies | 27500 |
| ● 3.760 | H | Zee Telgu | 27500 |
| ● 3.760 | H | Chutti TV | 27500 |
| ● 3.760 | H | DD Sports | 27500 |
| ● 3.760 | H | GOD TV | 27500 |
| ● 3.760 | H | Isai Uravi | 27500 |
| ● 3.760 | H | Kolkata Tv | 27500 |
| ● 3.760 | H | Sahara Mumbai | 27500 |
| ● 3.760 | H | Shalom Tv | 27500 |
| ● 3.760 | H | Surya TV | 27500 |
| ● 3.760 | H | VOI | 27500 |
| ● 3.820 | V | 24 Ghanta | 27500 |
| ● 3.820 | V | 9X ENT | 27500 |
| ● 3.820 | V | Discovery | 27500 |
| ● 3.820 | V | NDTV Imagine | 27500 |
| ● 3.820 | V | Play Tv | 27500 |
| ● 3.820 | V | Pogo | 27500 |
| ● 3.820 | V | Star One | 27500 |
| ● 3.820 | V | Zee Business | 27500 |
| ● 3.820 | V | Zee News | 27500 |
| ● 3.820 | V | Zee TV | 27500 |
| ● 3.820 | V | Jeevan Tv | 27500 |
| ● 3.820 | V | Mahuaa | 27500 |
| ● 3.820 | V | Nepal-1 | 27500 |
| ● 3.820 | V | S 1 Television | 27500 |
| ● 3.820 | V | Sahara National | 27500 |
| ● 3.820 | V | Sahara UP | 27500 |
| ● 3.820 | V | TV-5 Monde | 27500 |
| 3.857 | H | BeiFen | 2170 |
| 3.857 | H | HN JJ | 2170 |
| 3.857 | H | HN JT | 2170 |
| 3.857 | H | HN LY | 2170 |
| 3.857 | H | HN NC | 2170 |
| 3.857 | H | HN XQ | 2170 |
| 3.857 | H | HN XW | 2170 |
| 3.857 | H | HN YSWZ | 2170 |
| 3.857 | H | HN YY | 2170 |
| 3.857 | H | MY Radio | 2170 |
| ● 3.880 | H | Animal Planet | 27500 |
| ● 3.880 | H | CNN | 27500 |
| ● 3.880 | H | CNN IBN | 27500 |
| ● 3.880 | H | E 24 | 27500 |
| ● 3.880 | H | Star Cricket | 27500 |
| ● 3.880 | H | Vissa TV | 27500 |
| ● 3.880 | H | Zee Bangla | 27500 |
| ● 3.880 | H | Zee Cafe | 27500 |
| ● 3.880 | H | Zee Trendz | 27500 |
| ● 3.880 | H | Aakash Bangla | 27500 |
| ● 3.880 | H | Ashirwad TV | 27500 |
| ● 3.880 | H | BTV World | 27500 |
| ● 3.880 | H | IBN Lokmat | 27500 |
| ● 3.880 | H | Manorama Cochin | 27500 |
| ● 3.880 | H | News Time | 27500 |
| ● 3.880 | H | Subhvartha TV | 27500 |
| ● 3.920 | H | 9X News | 27500 |
| ● 3.920 | H | HBO | 27500 |
| ● 3.920 | H | NDTV Showbiz | 27500 |
| ● 3.920 | H | Zee Action | 27500 |
| ● 3.920 | H | Zee Classic | 27500 |
| ● 3.920 | H | Zee Marathi | 27500 |
| ● 3.920 | H | Zee Next | 27500 |
| ● 3.920 | H | Zee Premier | 27500 |
| ● 3.920 | H | Zee Punjabi | 27500 |
| ● 3.920 | H | Zee Studio | 27500 |
| ● 3.920 | H | Makkal TV | 27500 |
| ● 3.920 | H | NETV | 27500 |
| ● 3.920 | H | TV-9 Kannada | 27500 |
| ● 3.920 | H | Udaya-2 | 27500 |
| ● 3.920 | H | Zee Music | 27500 |
| ● 3.960 | H | Cartoon Network | 27500 |
| ● 3.960 | H | ETC Punjabi | 27500 |
| ● 3.960 | H | Jaya TV | 27500 |
| ● 3.960 | H | PIX | 27500 |
| ● 3.960 | H | Star Sports | 27500 |
| ● 3.960 | H | Zee Gujarati | 27500 |
| ● 3.960 | H | Zee Kannada | 27500 |
| ● 3.960 | H | Zee Sports | 27500 |
| ● 3.960 | H | Channel News Asia In | 27500 |
| ● 3.960 | H | Jaya Max | 27500 |
| ● 3.960 | H | PTC Punjabi | 27500 |
| ● 3.960 | H | Tara Musix | 27500 |
| ● 3.960 | H | Time TV | 27500 |
| ● 3.960 | H | TV 5 Asia | 27500 |
| ● 3.960 | H | TV-9 Telgu | 27500 |
| ● 3.960 | H | Yo Music | 27500 |
| ● 4.180 | V | Asianet Plus | 27500 |
| ● 4.180 | V | CNEB | 27500 |
| ● 4.180 | V | ETV Urdu | 27500 |
| ● 4.180 | V | FTV | 27500 |
| ● 4.180 | V | India TV | 27500 |
| ● 4.180 | V | Jaya Plus | 27500 |
| ● 4.180 | V | Kiran TV | 27500 |
| ● 4.180 | V | Live India | 27500 |
| ● 4.180 | V | MH-1 News | 27500 |
| ● 4.180 | V | News 24 | 27500 |
| ● 4.180 | V | Sadhana | 27500 |
| ● 4.180 | V | Sanskar | 27500 |
| ● 4.180 | V | Siti Care | 27500 |
| ● 4.180 | V | SS Music | 27500 |
| ● 4.180 | V | Zee Jagaran | 27500 |
| ● 4.180 | V | Air Gujarati | 27500 |
| ● 4.180 | V | Air Punjabi | 27500 |
| ● 4.180 | V | FM Gold | 27500 |
| ● 4.180 | V | FM RainBow | 27500 |

**JCSAT 4A**
**124.0 East**

| Freq GHz | Pol | Channel Name | Symbol rate |
|---|---|---|---|
| 12.283 | H | Gokaku TV | 21096 |
| 12.283 | H | Medical Sat | 21096 |
| 12.283 | H | Success TV | 21096 |
| 12.283 | H | SVML | 21096 |
| 12.403 | H | Star Stream Channel | 21096 |
| 12.523 | H | Sky PerfecTV | 21096 |
| 12.538 | V | Fuji TV | 21096 |
| 12.538 | V | Toei Channel | 21096 |
| 12.538 | V | Viewsic | 21096 |
| 12.538 | V | Channel BB | 21096 |
| 12.553 | H | Health & Welfare Cha | 21096 |
| 12.553 | H | Manzox Channel | 21096 |
| 12.553 | H | Pachinko Pachislot C | 21096 |
| 12.553 | H | Queen Bee | 21096 |
| 12.553 | H | Zap TV | 21096 |
| 12.568 | V | Perfect Choice | 21096 |
| 12.568 | V | Perfect Choice Premi | 21096 |
| 12.568 | V | Perfect Choice | 21096 |
| 12.643 | H | Sky PerfecTV | 21096 |
| 12.658 | V | Sky Perfect Info Cha | 21096 |
| 12.673 | H | Sky PerfecTV | 21096 |
| 12.688 | V | Cinema R | 21096 |
| 12.688 | V | Paradise TV | 21096 |
| 12.688 | V | Pink Cherry Bomb | 21096 |
| 12.688 | V | Sakura Channel | 21096 |
| 12.688 | V | Yellow Cherry Bomb | 21096 |
| 12.703 | H | Sky PerfecTV | 21096 |
| 12.718 | V | Classica Japan | 21096 |
| 12.718 | V | Coming Soon TV | 21096 |
| 12.718 | V | The Mistery Channel | 21096 |
| 12.718 | V | Japanet Studio 242 | 21096 |
| 12.718 | V | Reform Senmon Channe | 21096 |
| 12.718 | V | ViTV | 21096 |
| 12.733 | H | Sky PerfecTV | 21096 |

**C-Band: SINOSAT 3**
**125.0 East**

| Freq GHz | Pol | Channel Name | Symbol rate |
|---|---|---|---|
| 3.827 | H | Guangxi TV | 5720 |
| 3.845 | H | Guangdong | 17780 |
| 3.893 | H | HLJ | 6880 |
| 3.909 | H | Jillin | 8934 |
| 3.922 | H | Yunnan | 7250 |
| 3.933 | H | Travel TV | 6590 |
| 3.989 | H | Xizang | 5660 |
| 4.006 | H | Liaoning | 4420 |
| 4.080 | H | CCTV | 27500 |
| 4.120 | H | XinJiang | 27500 |
| 4.160 | H | CCTV | 27500 |

**JCSAT 3**
**128.0 East**

| Freq GHz | Pol | Channel Name | Symbol rate |
|---|---|---|---|
| 12.268 | V | Green Channel | 21096 |
| 12.268 | V | Kit Manzox Club | 21096 |
| 12.268 | V | The University of th | 21096 |
| 12.268 | V | TVE International | 21096 |
| 12.268 | V | Yozemi TV Net | 21096 |
| 12.268 | V | The University of th | 21096 |
| 12.348 | V | J Sky Sport 1 | 21096 |
| 12.348 | V | J Sky Sport 2 | 21096 |
| 12.348 | V | J Sky Sport 3 | 21096 |
| 12.348 | V | Perfect Choice | 21096 |
| 12.368 | H | Blue Cherry Bomb | 21096 |
| 12.368 | H | Enjoy TV | 21096 |
| 12.368 | H | Flamingo | 21096 |
| 12.368 | H | Gaora | 21096 |
| 12.368 | H | Milk 906 | 21096 |
| 12.368 | H | Music Japan TV | 21096 |
| 12.408 | H | Channel Ruby | 21096 |
| 12.408 | H | Family Gekijyo | 21096 |
| 12.408 | H | Perfect Choice | 21096 |
| 12.408 | H | Playboy Channel | 21096 |
| 12.408 | H | Star Channel | 21096 |
| 12.408 | H | Supper Channel | 21096 |
| 12.428 | V | Perfect Choice | 21096 |
| 12.523 | H | Access! | 21096 |
| 12.523 | H | Global Learning Chan | 21096 |
| 12.523 | H | Sky A | 21096 |
| 12.523 | H | Splash | 21096 |
| 12.523 | H | Travelers Channel | 21096 |
| 12.523 | H | Victory Channel | 21096 |
| 12.538 | V | Japan Leisure Channe | 21096 |
| 12.538 | V | JNN News Bird | 21096 |
| 12.538 | V | Nickelodeon Japan | 21096 |
| 12.538 | V | Pioneer Karaoke Chan | 21096 |
| 12.538 | V | Tabi Channel | 21096 |
| 12.538 | V | Mondo 21 | 21096 |
| 12.553 | H | Bloomberg TV Japan | 21096 |
| 12.553 | H | E-Tenki Net | 21096 |
| 12.553 | H | MTV Japan | 21096 |
| 12.553 | H | Space Shower TV | 21096 |
| 12.553 | H | Speed Channel 1 | 21096 |
| 12.553 | H | Speed Channel 2 | 21096 |
| 12.568 | V | Asahi NewStar | 21096 |
| 12.568 | V | Cartoon Network Japa | 21096 |
| 12.568 | V | DK Star Karaoke | 21096 |
| 12.568 | V | Eco Music TV | 21096 |
| 12.568 | V | Igo Shogi Channel | 21096 |
| 12.568 | V | Rainbow Channel | 21096 |
| 12.583 | H | Discovery Channel Ja | 21096 |
| 12.583 | H | Golf Network | 21096 |
| 12.583 | H | Lala TV | 21096 |
| 12.583 | H | Movie Plus | 21096 |
| 12.583 | H | Shop Channel | 21096 |
| 12.598 | V | Fighting TV Samurai! | 21096 |
| 12.598 | V | Keiko to Manabu Chan | 21096 |
| 12.598 | V | She TV | 21096 |
| 12.598 | V | The Music 272 | 21096 |
| 12.613 | H | CNN International | 21096 |
| 12.613 | H | Japan Leisure Ch2 | 21096 |
| 12.613 | H | The Golf Channel | 21096 |
| 12.613 | H | The History Channel | 21096 |
| 12.613 | H | V Paradise | 21096 |
| 12.613 | H | QVC Japan | 21096 |
| 12.628 | V | Adult Contemporary | 21096 |
| 12.628 | V | Background Music Amu | 21096 |
| 12.628 | V | Background Music Fri | 21096 |
| 12.628 | V | Background Music Org | 21096 |
| 12.628 | V | Background Music Sok | 21096 |
| 12.628 | V | Background Music Sou | 21096 |
| 12.628 | V | Background Music Tre | 21096 |
| 12.628 | V | Blues | 21096 |
| 12.628 | V | CD TopHits Digest | 21096 |
| 12.628 | V | Chinese Pop | 21096 |
| 12.628 | V | Chinese Songs | 21096 |
| 12.628 | V | Classic Artist Speci | 21096 |
| 12.628 | V | Classic Artist Speci | 21096 |
| 12.628 | V | Classic Baroque | 21096 |
| 12.628 | V | Classic Chamber | 21096 |
| 12.628 | V | Classic Historical | 21096 |
| 12.628 | V | Classic New Album | 21096 |
| 12.628 | V | Classic Opera | 21096 |
| 12.628 | V | Classic Orchestral | 21096 |
| 12.628 | V | Club Collection | 21096 |
| 12.628 | V | Computer Music | 21096 |
| 12.628 | V | Country | 21096 |
| 12.628 | V | D-Navi Station | 21096 |
| 12.628 | V | Disco Collection | 21096 |
| 12.628 | V | East Japan Best Hits | 21096 |
| 12.628 | V | Enka Karaoke | 21096 |
| 12.628 | V | Eurobeat | 21096 |
| 12.628 | V | Folk & New Music | 21096 |
| 12.628 | V | Foreign Karaoke | 21096 |
| 12.628 | V | Group Sounds | 21096 |
| 12.628 | V | Hard Rock & Metal | 21096 |
| 12.628 | V | Hip Hop | 21096 |
| 12.628 | V | Inter FM Tokyo | 21096 |
| 12.628 | V | J-Anime & SFX Song | 21096 |
| 12.628 | V | J-Groove Special | 21096 |
| 12.628 | V | J-Idol & Voice Idol | 21096 |
| 12.628 | V | J-Pop | 21096 |
| 12.628 | V | J-Pop 19xx | 21096 |
| 12.628 | V | J-Pop 70's Hits | 21096 |
| 12.628 | V | J-Pop 70's&80's Albu | 21096 |
| 12.628 | V | J-Pop 80's Hits | 21096 |
| 12.628 | V | J-Pop 90's Album | 21096 |
| 12.628 | V | J-Pop 90's Hits | 21096 |
| 12.628 | V | J-Pop Artist Special | 21096 |
| 12.628 | V | J-Pop Artist Special | 21096 |
| 12.628 | V | J-Pop Artist Special | 21096 |
| 12.628 | V | J-Pop Ballads | 21096 |
| 12.628 | V | J-Pop Compilation | 21096 |
| 12.628 | V | J-Pop Dam Hits | 21096 |
| 12.628 | V | J-Pop Hit Album | 21096 |
| 12.628 | V | J-Pop Indies | 21096 |
| 12.628 | V | J-Pop Karaoke | 21096 |
| 12.628 | V | J-Pop New Album Pops | 21096 |
| 12.628 | V | J-Pop New Album Reco | 21096 |
| 12.628 | V | J-Pop New Album Rock | 21096 |
| 12.628 | V | J-Pop New Single | 21096 |
| 12.628 | V | J-Pop Single Chart | 21096 |
| 12.628 | V | J-Pop Single Hits | 21096 |
| 12.628 | V | J-Pop Special | 21096 |
| 12.628 | V | J-Soundtrack | 21096 |
| 12.628 | V | Jazz Artist Special | 21096 |
| 12.628 | V | Jazz Artist Special | 21096 |
| 12.628 | V | Jazz Contemporary | 21096 |
| 12.628 | V | Jazz Fusion | 21096 |
| 12.628 | V | Jazz Mainstream | 21096 |
| 12.628 | V | Jazz New Album | 21096 |
| 12.628 | V | Jazz Swing | 21096 |
| 12.628 | V | Jazz Vocal | 21096 |
| 12.628 | V | JBC | 21096 |
| 12.628 | V | Kayo 19xx | 21096 |
| 12.628 | V | Kayo 60's Hits | 21096 |
| 12.628 | V | Kayo Artist Special | 21096 |
| 12.628 | V | Kayo Classics | 21096 |
| 12.628 | V | Kayo Compilation | 21096 |
| 12.628 | V | Kayo Dam Hits | 21096 |
| 12.628 | V | Kayo Hit Chart | 21096 |
| 12.628 | V | Kids | 21096 |
| 12.628 | V | Korean Pop | 21096 |
| 12.628 | V | Korean Songs | 21096 |
| 12.628 | V | Latin | 21096 |
| 12.628 | V | Minyo&Talk | 21096 |
| 12.628 | V | Okinawa Music | 21096 |
| 12.628 | V | Oldies | 21096 |
| 12.628 | V | R&B & Soul | 21096 |
| 12.628 | V | Reggae | 21096 |
| 12.628 | V | Rock Alternative | 21096 |
| 12.628 | V | Rock/Pops 19xx | 21096 |
| 12.628 | V | Rock/Pops Artist S | 21096 |
| 12.628 | V | Rock/Pops Artist S | 21096 |
| 12.628 | V | Rock/Pops Classics 7 | 21096 |
| 12.628 | V | Rock/Pops Classics 9 | 21096 |
| 12.628 | V | Rock/Pops Compilatio | 21096 |
| 12.628 | V | Rock/Pops Gold Album | 21096 |
| 12.628 | V | Rock/Pops Hit Chart | 21096 |
| 12.628 | V | Rock/Pops New Album | 21096 |
| 12.628 | V | Rock/Pops New Single | 21096 |
| 12.628 | V | Rock/Pops Single Hit | 21096 |
| 12.628 | V | Shibuya FM | 21096 |
| 12.628 | V | West Japan Best Hits | 21096 |
| 12.643 | H | BBC World | 21096 |
| 12.643 | H | G+ Sport & News | 21096 |
| 12.643 | H | Kids Station | 21096 |
| 12.643 | H | Speed Channel 5 | 21096 |
| 12.643 | H | Sports-i ESPN | 21096 |
| 12.643 | H | Better Life Channel | 21096 |
| 12.643 | H | Rakuten Shopping | 21096 |
| 12.643 | H | Rakuten Shopping Cha | 21096 |
| 12.658 | V | Power Plat | 21096 |
| 12.658 | V | Power Plats PPV | 21096 |
| 12.658 | V | Club Sukapa! TV | 21096 |
| 12.673 | H | Dento Bunka Housou | 21096 |
| 12.673 | H | Eisei Gekijo | 21096 |
| 12.673 | H | Home Drama Channel | 21096 |
| 12.673 | H | Power Movie Plus 1 | 21096 |
| 12.673 | H | Power Movie Plus 2 | 21096 |
| 12.673 | H | Power Movie Plus 4 | 21096 |
| 12.673 | H | Power Plat | 21096 |
| 12.688 | V | Channel Neco | 21096 |
| 12.688 | V | Cinefil Imagica | 21096 |
| 12.688 | V | Foodies TV | 21096 |
| 12.688 | V | Music Air Networks | 21096 |
| 12.688 | V | Nikkei CNBC | 21096 |
| 12.688 | V | Speed Ch 4 | 21096 |
| 12.688 | V | Theater TV | 21096 |
| 12.688 | V | V Theater 135 | 21096 |
| 12.703 | H | IPC Brasil | 21096 |
| 12.703 | H | IPC Latin America | 21096 |
| 12.703 | H | Korea Now TV | 21096 |
| 12.703 | H | Midnight Blue | 21096 |
| 12.703 | H | Speed Channel 3 | 21096 |
| 12.703 | H | Mall of TV | 21096 |
| 12.703 | H | Digital J-Wave | 21096 |
| 12.718 | V | Japan Leisure Channe | 21096 |
| 12.718 | V | Perfect Choice | 21096 |
| 12.718 | V | Power Plats PPV | 21096 |
| 12.718 | V | Star Channel 2 | 21096 |
| 12.718 | V | Star Channel 3 | 21096 |
| 12.718 | V | Toshin School D1 | 21096 |

**C-Band: JCSAT 3**
**128.1 East**

| Freq GHz | Pol | Channel Name | Symbol rate |
|---|---|---|---|
| ● 3.960 | V | AZIO | 30000 |
| ● 3.960 | V | CTI-I | 30000 |
| ● 3.960 | V | ERA News | 30000 |
| ● 3.960 | V | MUCH TV | 30000 |
| ● 3.960 | V | PILI | 30000 |
| ● 3.960 | V | Taiwan Music | 30000 |
| ● 3.960 | V | Z | 30000 |
| ● 3.960 | V | Z2 | 30000 |
| ● 3.960 | V | AD-HOC | 30000 |
| ● 3.960 | V | BLTV-I | 30000 |
| ● 3.960 | V | GOOD2 | 30000 |
| ● 3.960 | V | 01_US New Songs & Ch | 30000 |
| ● 3.960 | V | 02_US Popular Songs | 30000 |
| ● 3.960 | V | 03_Sweet Love Songs | 30000 |
| ● 3.960 | V | 04_50&60 Popular Hit | 30000 |
| ● 3.960 | V | 05_R&B | 30000 |
| ● 3.960 | V | 06_HIPHOP | 30000 |
| ● 3.960 | V | 07_Party Music | 30000 |
| ● 3.960 | V | 08_Rock Music | 30000 |
| ● 3.960 | V | 09_Jazz Vocal | 30000 |
| ● 3.960 | V | 10_Jazz Main Stream | 30000 |
| ● 3.960 | V | 11_Lounge | 30000 |
| ● 3.960 | V | 12_Enka | 30000 |
| ● 3.960 | V | 13_Japanese Popular | 30000 |
| ● 3.960 | V | 14_J&T Station | 30000 |
| ● 3.960 | V | 15_Bossa Nova | 30000 |
| ● 3.960 | V | 16_Classical | 30000 |
| ● 3.960 | V | 17_Piano Easy Listen | 30000 |
| ● 3.960 | V | 18_Crystal Music | 30000 |
| ● 3.960 | V | 19_Soft Hearing | 30000 |
| ● 3.960 | V | 20_Season Music | 30000 |
| ● 3.960 | V | 21_Old Deck | 30000 |
| ● 3.960 | V | 22_Chinese Best Sell | 30000 |
| ● 3.960 | V | 23_Chinese Soft Song | 30000 |
| ● 3.960 | V | 24_Chinese Classical | 30000 |
| ● 3.960 | V | 25_Children Music | 30000 |
| ● 3.960 | V | 26_Easy Listening | 30000 |
| ● 3.960 | V | 27_Birthday Songs | 30000 |
| ● 3.960 | V | 28_Wedding & Goodbye | 30000 |
| ● 3.960 | V | 29_Sweet Love Channe | 30000 |
| ● 3.960 | V | 30_POP Music | 30000 |
| ● 3.960 | V | 31_3375 | 30000 |
| ● 3.960 | V | 32_Napoli | 30000 |
| ● 3.960 | V | 33_KFC | 30000 |
| ● 3.960 | V | 34_Audrey | 30000 |
| ● 3.960 | V | 35_KF | 30000 |
| ● 3.960 | V | 36_Crstal & Piano Mu | 30000 |
| ● 3.960 | V | 37_Fashion Music | 30000 |
| ● 3.960 | V | 38_Soft Music | 30000 |
| ● 3.960 | V | 39_KG | 30000 |
| ● 3.960 | V | 40_Asia Radio | 30000 |
| ● 4.000 | V | CTINews | 30000 |
| ● 4.000 | V | ERA-E | 30000 |
| ● 4.000 | V | ETNews | 30000 |
| ● 4.000 | V | JET_I | 30000 |
| ● 4.000 | V | MEGA | 30000 |
| ● 4.000 | V | MTV | 30000 |
| ● 4.000 | V | PTV-2 | 30000 |
| ● 4.000 | V | PTV-3 | 30000 |
| ● 4.000 | V | STV | 30000 |
| ● 4.000 | V | UBN | 30000 |
| ● 4.000 | V | UBNNews | 30000 |
| ● 4.000 | V | DAAI | 30000 |
| ● 4.000 | V | MAC_TV | 30000 |
| ● 4.000 | V | Data1 | 30000 |
| ● 4.000 | V | UFO | 30000 |
| 4.120 | V | GTV-27 | 30000 |
| 4.120 | V | GTV-28 | 30000 |
| 4.120 | V | GTV-41 | 30000 |
| 4.120 | V | GTV-K | 30000 |
| 4.120 | V | SET-29 | 30000 |
| 4.120 | V | SET-30 | 30000 |
| 4.120 | V | SET-54 | 30000 |
| 4.120 | V | SET-I | 30000 |
| 4.120 | V | FTV | 30000 |
| 4.120 | V | FTVN | 30000 |
| ● 4.056 | V | {Empty Name} | 3330 |

**South East Asia**
**VINASAT 1**
**132.0 East**
**VIN001CB**

| Freq GHz | Pol | Channel Name | Symbol rate |
|---|---|---|---|
| 3.414 | V | VTV1 | 9768 |
| 3.414 | V | VTV2 | 9768 |
| 3.414 | V | VTV3 | 9768 |
| 3.414 | V | VTV4 | 9768 |
| 3.414 | V | VTV6 | 9768 |

**C-Band: APSTAR 6**
**134.0 East**
**APS006CB**

| Freq GHz | Pol | Channel Name | Symbol rate |
|---|---|---|---|
| 3.766 | H | first_service | 4285 |
| 3.840 | H | Media Bridge | 27500 |
| 3.840 | H | Test | 27500 |
| 3.840 | H | EASTV | 27500 |
| 3.904 | H | TVN-1 | 3250 |

**Asia**
**APSTAR 6**
**134.1 East**
**APS005K2**

| Freq GHz | Pol | Channel Name | Symbol rate |
|---|---|---|---|
| 12.275 | V | CCTV-1 | 27500 |
| 12.275 | V | CCTV-10 | 27500 |
| 12.275 | V | CCTV-11 | 27500 |
| 12.275 | V | CCTV-12 | 27500 |
| 12.275 | V | CCTV-2 | 27500 |
| 12.275 | V | CCTV-5 | 27500 |
| 12.275 | V | CCTV-6 | 27500 |
| 12.275 | V | CCTV-7 | 27500 |
| 12.275 | V | CCTV-8 | 27500 |
| 12.275 | V | CCTV-K | 27500 |
| 12.275 | V | CCTV-F | 27500 |
| 12.275 | V | CNR-1 | 27500 |
| 12.275 | V | CNR-2 | 27500 |
| 12.275 | V | CNR-3 | 27500 |
| 12.275 | V | CNR-4 | 27500 |
| 12.275 | V | CNR-5 | 27500 |
| 12.275 | V | CNR-6 | 27500 |
| 12.275 | V | CNR-7 | 27500 |
| 12.275 | V | CRI | 27500 |
| 12.302 | V | GW L13R14 | 5992 |
| 12.302 | V | GW L15R16 | 5990 |
| 12.302 | V | GW L17R18 | 5990 |
| 12.302 | V | GW L19R20 | 5990 |
| 12.302 | V | GW L21R22 | 5992 |
| 12.302 | V | GW L23R24 | 5992 |
| 12.302 | V | GW L25R26 | 5992 |
| 12.302 | V | GW L27R28 | 5992 |
| 12.302 | V | GW L29R30 | 5992 |
| 12.302 | V | GWL11R31 | 5990 |
| 12.302 | V | K15 stero | 5992 |
| 12.302 | V | Lzh5 Rzh6 | 5990 |
| 12.302 | V | Lzh8 Rdjy | 5992 |
| 12.302 | V | SW1 stero | 5990 |
| 12.302 | V | SW2 stero | 5992 |
| 12.302 | V | ZH1 stero | 5992 |
| 12.302 | V | ZH2 stero | 5990 |
| 12.302 | V | ZH3 stero | 5990 |
| 12.302 | V | ZH7 stero | 5990 |
| 12.302 | V | ZH7-2 stero | 5990 |
| 12.355 | V | CQTV | 27500 |
| 12.355 | V | GSTV | 27500 |
| 12.355 | V | GZTV | 27500 |
| 12.355 | V | HENTV | 27500 |
| 12.355 | V | HUNTV | 27500 |
| 12.355 | V | LIVE1 | 27500 |
| 12.355 | V | NMTV | 27500 |
| 12.355 | V | QHTV | 27500 |
| 12.355 | V | SCTV | 27500 |
| 12.355 | V | SHXTV | 27500 |
| 12.355 | V | YNTV | 27500 |
| 12.355 | V | NMHR | 27500 |
| 12.355 | V | NMMR | 27500 |
| 12.355 | V | RAD_1 | 27500 |
| 12.355 | V | RAD_2 | 27500 |
| 12.355 | V | XJHR | 27500 |
| 12.355 | V | XJWR | 27500 |
| 12.355 | V | XZHR | 27500 |
| 12.355 | V | XZZR | 27500 |
| 12.395 | V | CETV-1 | 27500 |
| 12.395 | V | CETV-2 | 27500 |
| 12.395 | V | CETV-Sky | 27500 |
| 12.435 | V | AXN | 27500 |
| 12.435 | V | CIN | 27500 |
| 12.435 | V | CNBC | 27500 |
| 12.435 | V | CNN | 27500 |
| 12.435 | V | DIS | 27500 |
| 12.435 | V | ESPN | 27500 |
| 12.435 | V | HALL | 27500 |
| 12.435 | V | HBO | 27500 |
| 12.435 | V | NGC | 27500 |
| 12.435 | V | STAR1 | 27500 |
| 12.435 | V | TEST-1 | 27500 |
| 12.515 | V | BBC | 27500 |
| 12.515 | V | CELES | 27500 |
| 12.515 | V | CETV | 27500 |
| 12.515 | V | CNAI | 27500 |
| 12.515 | V | HOR | 27500 |
| 12.515 | V | NHK | 27500 |
| 12.515 | V | NOW | 27500 |
| 12.515 | V | PHOE1 | 27500 |
| 12.515 | V | TEST-2 | 27500 |
| 12.515 | V | TVB | 27500 |
| 12.515 | V | TVB8 | 27500 |
| 12.595 | V | [V] | 27500 |
| 12.595 | V | BLOOM | 27500 |
| 12.595 | V | EUROS | 27500 |
| 12.595 | V | MAS | 27500 |
| 12.595 | V | MTV | 27500 |
| 12.595 | V | PHOEC | 27500 |
| 12.595 | V | PHOEN | 27500 |
| 12.595 | V | STARS | 27500 |
| 12.595 | V | TEST-3 | 27500 |
| 12.595 | V | TV5 | 27500 |
| 12.595 | V | XINGK | 27500 |
| 12.675 | V | CUBA | 27500 |
| 12.675 | V | EAST | 27500 |
| 12.675 | V | KBS | 27500 |
| 12.675 | V | SUN | 27500 |

**TELSTAR 18**
**138.0 East**

| Freq GHz | Pol | Channel Name | Symbol rate |
|---|---|---|---|
| 12.302 | V | A1 | 30000 |
| 12.302 | V | A10 | 30000 |
| 12.302 | V | A11 | 30000 |
| 12.302 | V | A12 | 30000 |
| 12.302 | V | A13 | 30000 |
| 12.302 | V | A14 | 30000 |
| 12.302 | V | A2 | 30000 |
| 12.302 | V | A3 | 30000 |
| 12.302 | V | A4 | 30000 |
| 12.302 | V | A5 | 30000 |
| 12.302 | V | A6 | 30000 |
| 12.302 | V | A7 | 30000 |
| 12.302 | V | A8 | 30000 |
| 12.302 | V | A9 | 30000 |
| 12.355 | V | 01-CCTV-1 | 43000 |
| 12.355 | V | 02-PHOENIX INFO | 43000 |
| 12.355 | V | 03-PHOENIX CHANNE | 43000 |



**TV** Digital
**Radio** Digital
**TV** Digital Crypt
**Radio** Digital Crypt
**TV** High Definition
**TV** High Definition Crypt

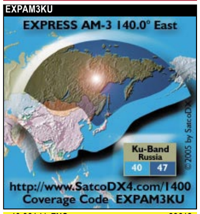
| Freq GHz | Pol | Channel Name | Symbol rate |
|---|---|---|---|
| 12.355 | V | 04-FASHION TV | 43000 |
| 12.355 | V | 05-SUN TV | 43000 |
| 12.355 | V | 06-MASTV | 43000 |
| 12.355 | V | 07-ATV | 43000 |
| 12.355 | V | 08-ATV | 43000 |
| 12.355 | V | 09-TVB8 | 43000 |
| 12.355 | V | 10-TVB XINGHE | 43000 |
| 12.355 | V | 11-TVBS | 43000 |
| 12.355 | V | 12-TVBSG | 43000 |
| 12.355 | V | 13-TVBSN | 43000 |
| 12.355 | V | 14-UBNNEWS | 43000 |
| 12.355 | V | 15-HALLLMARK CHAN | 43000 |
| 12.355 | V | 16-ZHUJIANG | 43000 |
| 12.355 | V | 17-CCTV-NEWS | 43000 |
| 12.355 | V | 18-CMC | 43000 |
| 12.355 | V | 19-CETV | 43000 |
| 12.355 | V | 20-MTV | 43000 |
| 12.355 | V | 21-CCTV-10 | 43000 |
| 12.355 | V | 22-LOVE TV | 43000 |
| 12.355 | V | 23-CCTV | 43000 |
| 12.355 | V | 24-CELESTIAL TV | 43000 |
| 12.355 | V | 33-Channel TVBJ 3001 | 43000 |

## C-Band: TELSTAR 18
### 138.1 East

| Freq GHz | Pol | Channel Name | Symbol rate |
|---|---|---|---|
| 3.599 | V | 13 亞視本塔港台 | 30000 |
| 3.599 | V | 15 PTS DIMO 公視DIM | 30000 |
| 3.599 | V | 16 MEGA 電影台 | 30000 |
| 3.599 | V | 17 ETTV-N 東森新聞台 | 30000 |
| 3.599 | V | 18 ETTV-Asia 東森亞州台 | 30000 |
| 3.599 | V | 19 TTV WORLD 台視國際 | 30000 |
| 3.599 | V | 20 JET日本台 | 30000 |
| 3.599 | V | 21 ETYoYo 東森幼幼美州 | 30000 |
| 3.599 | V | 22 Test1 | 30000 |
| 3.599 | V | 23 Test2 | 30000 |
| 3.599 | V | 24 Test3 | 30000 |
| 3.599 | V | 25 Test4 | 30000 |
| 3.599 | V | 14 TZUCHI 慈濟大愛 | 30000 |
| 3.660 | V | 01 AfaTV華人商業TTV台 | 30000 |
| 3.660 | V | 02 CTV 中視 | 30000 |
| 3.660 | V | 03 CTS 華視 | 30000 |
| 3.660 | V | 04 FTV 民視 | 30000 |
| 3.660 | V | 05 FTVN 民視新聞 | 30000 |
| 3.660 | V | 06 Uplink 1 | 30000 |
| 3.660 | V | 07 Uplink 2 | 30000 |
| 3.660 | V | 08 Uplink 3 | 30000 |
| 3.660 | V | 09 中視my life 亞洲旅遊 | 30000 |
| 3.660 | V | 10 SETI 三立國際 | 30000 |
| 3.660 | V | 11 CTI-I中天亞洲台 | 30000 |
| 3.660 | V | 12 HollywoodMovie好萊塢 | 30000 |
| 4.124 | V | BBC Arabic | 3255 |
| 4.124 | V | BBC English (E Asi | 3255 |
| 4.124 | V | BBC English (S Asi | 3255 |
| 4.124 | V | BBC English Aus NZ | 3255 |
| 4.124 | V | BBC English News | 3255 |
| 4.124 | V | BBC Mandarin | 3255 |
| 4.124 | V | BBC Pac Feed 1 | 3255 |
| 4.124 | V | BBC Pac Feed 2 | 3255 |
| 4.124 | V | BBC Pac Feed 3 | 3255 |
| 4.124 | V | BBC Pac Feed 4 | 3255 |

## EXPRESS AM3
### 140.0 East

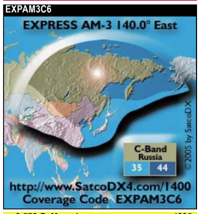
EXPAM3KU




| Freq GHz | Pol | Channel Name | Symbol rate |
|---|---|---|---|
| 10.981 | V | FNS | 29812 |
| 10.981 | V | MuzTV+Love | 29812 |
| ●11.090 | V | FNS | 4996 |
| ●11.090 | V | MuzTV+Love | 4996 |
| 11.104 | V | Yakutia | 5789 |
| ●10.981 | V | FNS | 29800 |
| ●10.981 | V | MuzTV+Love | 29800 |
| ●11.104 | V | Yakutia | 5786 |

## C-Band: EXPRESS AM3
### 140.1 East

EXPAM3C6




| Freq GHz | Pol | Channel Name | Symbol rate |
|---|---|---|---|
| 3.576 | R | Magadan | 4285 |
| 3.627 | R | Duble2+GTRK CAXA | 4340 |
| 3.633 | R | AZIMUT-V | 4340 |
| 3.675 | R | Duble-1+RRD1 | 33470 |
| 3.675 | R | Duble-2+RRD2 | 33470 |
| 3.675 | R | Orbita-1R+Mayak | 33470 |
| 3.675 | R | Orbita-2R+Yunost | 33470 |
| 3.675 | R | Sport | 33470 |
| 3.675 | R | Kultura-1 | 33470 |
| 3.675 | R | NTV7 | 33470 |
| 3.675 | R | Radio Mayak | 33470 |
| 3.675 | R | Radio RussiaD1 | 33470 |
| 3.730 | R | MATBEEBKA | 3199 |

## SUPERBIRD C
### 144.0 East

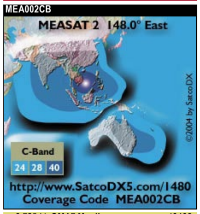
| Freq GHz | Pol | Channel Name | Symbol rate |
|---|---|---|---|
| 12.523 | H | AMX | 21096 |
| 12.523 | H | AXN | 21096 |
| 12.523 | H | CNN International | 21096 |
| 12.523 | H | CTN | 21096 |
| 12.523 | H | EPG Channel Guide | 21096 |
| 12.523 | H | FAM | 21096 |
| 12.523 | H | FOX | 21096 |
| 12.523 | H | Gaora | 21096 |
| 12.523 | H | Golf Network | 21096 |
| 12.523 | H | HTR | 21096 |
| 12.523 | H | Music Air Networks | 21096 |
| 12.523 | H | SPC | 21096 |
| 12.523 | H | SPI | 21096 |
| 12.523 | H | SSW | 21096 |
| 12.523 | H | E11 | 21096 |
| 12.553 | H | FIV | 21096 |
| 12.553 | H | FOD | 21096 |
| 12.553 | H | KAR | 21096 |
| 12.553 | H | M21 | 21096 |
| 12.553 | H | NGC | 21096 |
| 12.553 | H | ST1 | 21096 |
| 12.553 | H | ST2 | 21096 |
| 12.553 | H | ST3 | 21096 |
| 12.553 | H | TAB | 21096 |
| 12.553 | H | E71 | 21096 |
| 12.583 | H | EPG Channel Guide | 21096 |
| 12.583 | H | J Sky Sports 2 | 21096 |
| 12.583 | H | J Sky Sports 3 | 21096 |
| 12.583 | H | Viewsic | 21096 |
| 12.583 | H | {Empty Name} | 21096 |
| 12.613 | H | BBG | 21096 |
| 12.613 | H | DS1 | 21096 |
| 12.613 | H | DS2 | 21096 |
| 12.613 | H | JNN | 21096 |
| 12.613 | H | KMC | 21096 |
| 12.613 | H | MTR | 21096 |
| 12.613 | H | QVC | 21096 |
| 12.613 | H | TBS | 21096 |
| 12.613 | H | VPR | 21096 |
| 12.613 | H | E51 | 21096 |
| 12.643 | H | BBC | 21096 |
| 12.643 | H | GAO | 21096 |
| 12.643 | H | IGO | 21096 |
| 12.643 | H | JS2 | 21096 |
| 12.643 | H | JS3 | 21096 |
| 12.643 | H | KID | 21096 |
| 12.643 | H | NBC | 21096 |
| 12.643 | H | SHP | 21096 |
| 12.643 | H | VSC | 21096 |
| 12.643 | H | E31 | 21096 |
| 12.305 | V | Feed | 5275 |
| 12.597 | V | Radio | 21096 |
| 12.628 | V | Test Card | 21096 |
| 12.718 | V | FOX Japan | 21096 |
| 12.718 | V | GMA International | 21096 |
| 12.718 | V | Thai TV Channel 3 | 21096 |
| 12.718 | V | The Mabuhay Channel | 21096 |
| 12.718 | V | Dream FM 106.7 | 21096 |
| 12.718 | V | DZBB 594 Super Rad | 21096 |
| 12.718 | V | PBS Sport | 21096 |
| 12.683 | V | Feeds (CTS) | 3400 |
| 12.688 | V | Da Ai | 2900 |
| 12.688 | V | DAAI-TV | 2900 |
| 12.693 | V | CTS IQ Channel | 2000 |
| 12.698 | V | CTS | 1780 |

## AGILA 2
### 146.0 East

| Freq GHz | Pol | Channel Name | Symbol rate |
|---|---|---|---|
| 3.645 | H | Test | 1171 |
| 3.671 | V | Feeds | 1851 |
| 3.808 | V | Living Asia | 3000 |
| 3.810 | V | Chat TV 1 | 4300 |
| 3.810 | V | ST_Channel | 4300 |
| 3.834 | H | testing | 2612 |
| 3.834 | H | Viva Prime | 2612 |
| 3.837 | V | Channel 11 | 2300 |
| 3.854 | H | TCT WORLD | 2602 |
| 3.870 | H | ABC 5 | 3356 |
| 3.875 | H | NBN PHILIPPINES | 3000 |
| 3.885 | H | RPN 9 | 3000 |
| 3.892 | H | Channel 11 | 5425 |
| 3.892 | H | Church Channel | 5425 |
| 3.913 | V | ACQ-KBN | 2200 |
| 3.985 | H | Kabayan TV | 2000 |
| 3.985 | H | apexcom1 | 2000 |
| 3.985 | H | apexcom2 | 2000 |
| 3.985 | H | apexcom3 | 2000 |
| 3.989 | V | Ch. 1 | 5000 |
| 4.040 | H | TELERED TEST | 3009 |
| 4.092 | H | IBC13 | 9760 |
| 4.092 | H | Solar Sports | 9760 |
| 4.092 | H | Solar USA | 9760 |
| 4.092 | H | DZAS | 9760 |
| 4.165 | V | ACQ TV TEST BRDCS | 3735 |
| 4.165 | V | FAMILYLAND TV | 3735 |
| 4.165 | V | {Empty Name} | 3735 |
| 4.165 | V | TEST BRDCST | 3735 |
| 4.185 | V | TOP-CHNL | 2169 |
| 4.188 | V | UNTV-37 | 2170 |
| 4.190 | V | NBN | 3250 |
| 4.192 | V | Isat Feeds | 2169 |
| 12.301 | H | ABC 5 | 25600 |
| 12.301 | H | ABS-CBN 2 | 25600 |
| 12.301 | H | e-Talk | 25600 |
| 12.301 | H | GMA 7 | 25600 |
| 12.301 | H | IBC 13 | 25600 |
| 12.301 | H | MTV Phil | 25600 |
| 12.301 | H | NBN 4 | 25600 |
| 12.301 | H | RPN 9 | 25600 |
| 12.301 | H | Studio 23 | 25600 |
| 12.301 | H | Mabuhay Channel | 25600 |
| 12.301 | H | 106 Dream FM | 25600 |
| 12.301 | H | BBC Radio | 25600 |
| 12.301 | H | CMN Radio | 25600 |
| 12.301 | H | Crossroads | 25600 |
| 12.301 | H | DREAM ROCK | 25600 |
| 12.301 | H | DWNU FM | 25600 |
| 12.301 | H | EDGE Radio | 25600 |
| 12.301 | H | I FM | 25600 |
| 12.301 | H | RJ 100 | 25600 |
| 12.301 | H | RMN News AM | 25600 |
| 12.501 | H | Boss uplink A | 30000 |
| 12.501 | H | CH-A02 | 30000 |
| 12.501 | H | CH-A03 | 30000 |
| 12.501 | H | CH-A04 | 30000 |
| 12.501 | H | CH-C01 | 30000 |
| 12.501 | H | CH-C02 | 30000 |
| 12.501 | H | CH-C03 | 30000 |
| 12.501 | H | CH-E01 | 30000 |
| 12.501 | H | CH-M01 | 30000 |
| 12.501 | H | CH-M02 | 30000 |
| 12.501 | H | CH-N01 | 30000 |
| 12.501 | H | CH-N02 | 30000 |
| 12.501 | H | CH-E02 | 30000 |
| 12.541 | H | 2nd Avenue | 25600 |
| 12.541 | H | Animal Planet | 25600 |
| 12.541 | H | Cinemax | 25600 |
| 12.541 | H | CNBC | 25600 |
| 12.541 | H | Deutsche Welle | 25600 |
| 12.541 | H | Discovery T & L | 25600 |
| 12.541 | H | ESPN | 25600 |
| 12.541 | H | ETC | 25600 |
| 12.541 | V | FLIP2 | 26000 |
| 12.541 | H | HBO | 25600 |
| 12.541 | H | MBC Korea | 25600 |
| 12.541 | H | National Geographic | 25600 |
| 12.541 | H | Solar Sports | 25600 |
| 12.541 | H | Star Movies | 25600 |
| 12.541 | H | TCM | 25600 |
| 12.541 | V | AMA Channel | 26000 |
| 12.541 | V | Flip TV | 26000 |
| 12.541 | V | Jollibee TV | 26000 |
| 12.541 | V | Karaoke TV | 26000 |
| 12.541 | V | MAX TV | 26000 |
| 12.541 | V | MSC-SNG | 26000 |
| 12.541 | V | RJ TV | 26000 |
| 12.541 | V | Beat Box | 26000 |
| 12.541 | V | GV AM 792 | 26000 |
| 12.541 | V | GV FM 99.1 | 26000 |
| 12.541 | V | Jollibee R1 | 26000 |
| 12.541 | V | MAGIC89.9 | 26000 |
| 12.541 | V | RadioMaria | 26000 |
| 12.541 | V | RJ FM | 26000 |
| 12.581 | H | Animax | 25600 |
| 12.581 | H | Australia Network | 25600 |
| 12.581 | H | AXN | 25600 |
| 12.581 | H | BBC World | 25600 |
| 12.581 | H | Cartoon Network | 25600 |
| 12.581 | H | CNN | 25600 |
| 12.581 | H | Discovery | 25600 |
| 12.581 | H | Dream Cinema | 25600 |
| 12.581 | H | Hallmark | 25600 |
| 12.581 | H | Living Asia | 25600 |
| 12.581 | H | Nickelodeon | 25600 |
| 12.581 | H | Star Sports | 25600 |
| 12.581 | H | Star World | 25600 |
| 12.581 | H | TV Maria | 25600 |
| 12.661 | H | Animax | 25600 |
| 12.661 | H | CNN | 25600 |
| 12.661 | H | DCinema 1 | 25600 |
| 12.661 | H | DCinema 2 | 25600 |
| 12.661 | H | ESPN | 25600 |
| 12.661 | H | etc | 25600 |
| 12.661 | H | Hallmark | 25600 |
| 12.661 | H | MBC Korea | 25600 |
| 12.661 | H | Nat Geo | 25600 |
| 12.661 | H | Nat Geo Adventure | 25600 |
| 12.661 | H | Nickelodeon | 25600 |
| 12.661 | H | Solar Sports | 25600 |
| 12.661 | H | Star Sports | 25600 |
| 12.661 | H | Smile of a Child | 25600 |

## MEASAT 2
### 148.0 East

MEA002CB




| Freq GHz | Pol | Channel Name | Symbol rate |
|---|---|---|---|
| 3.725 | V | GMA7 Manila | 13432 |
| 3.725 | V | International 1 | 13432 |
| 3.725 | V | International 1 - AC | 13432 |
| 3.725 | V | International 2 | 13432 |
| 3.725 | V | QTV 11 | 13432 |
| 4.113 | V | TV NATIN | 2170 |
| 4.113 | V | BEAT | 2170 |
| 4.113 | V | DZRH | 2170 |
| 4.113 | V | HOT FM | 2170 |
| 4.113 | V | KIDS FM | 2170 |
| 4.113 | V | LOVE | 2170 |
| 4.113 | V | RN | 2170 |
| 4.113 | V | YES FM | 2170 |

MEA002KM

| Freq GHz | Pol | Channel Name | Symbol rate |
|---|---|---|---|
| 11.537 | H | AUSTRALIAN NW | 35500 |
| 11.537 | H | BIBI | 35500 |
| 11.537 | H | DISNEY | 35500 |
| 11.537 | H | GOALTV1 | 35500 |
| 11.537 | H | GOALTV2 | 35500 |
| 11.537 | H | HALLMARK | 35500 |
| 11.537 | H | HTV | 35500 |
| 11.537 | H | INFO-TV | 35500 |
| 11.537 | H | MTV ASIA | 35500 |
| 11.537 | H | THIEN ANH | 35500 |
| 11.537 | H | VCTV1 | 35500 |
| 11.537 | H | VCTV2 | 35500 |
| 11.537 | H | VCTV3 | 35500 |
| 11.537 | H | VCTV4 | 35500 |
| 11.537 | H | VCTV6 | 35500 |
| 11.537 | H | VCTV7 | 35500 |
| 11.537 | H | VTV1 | 35500 |
| 11.537 | H | VTV2 | 35500 |
| 11.537 | H | VTV3 | 35500 |
| 11.537 | H | VTV4 | 35500 |
| 11.537 | H | VTV5 | 35500 |
| 11.537 | H | VTV6 | 35500 |
| 11.537 | H | VOV1 | 35500 |
| 11.537 | H | VOV3 | 35500 |
| 12.407 | H | ASTRO SUPERSPORT | 30000 |
| 12.407 | H | ASTRO WAH LAI TOI | 30000 |
| 12.407 | H | ASTRO XPRESI | 30000 |
| 12.407 | H | CARTOON NTWK | 30000 |
| 12.407 | H | CCTV-9 | 30000 |
| 12.407 | H | DISNEY | 30000 |
| 12.407 | H | GOAL TV1 | 30000 |
| 12.407 | H | HBO | 30000 |
| 12.407 | H | PLAYHOUSE | 30000 |
| 12.407 | H | STAR WORLD | 30000 |
| 12.407 | H | TVB XING HE | 30000 |
| 12.407 | H | ZEE | 30000 |
| 12.470 | H | ASTRO ARUNA | 30000 |
| 12.470 | H | ASTRO KIRANA | 30000 |
| 12.470 | H | ASTRO TVIQ | 30000 |
| 12.470 | H | GOAL TV2 | 30000 |
| 12.470 | H | NATIONAL GEOGRAPH | 30000 |
| 12.470 | H | NHK WORLD | 30000 |
| 12.470 | H | PHOENIX | 30000 |
| 12.470 | H | STAR MOVIES | 30000 |
| 12.470 | H | STAR SPORTS | 30000 |
| 12.470 | H | ALJAZEERA INTERNA | 30000 |
| 12.470 | H | ASTRO SHUANG XING | 30000 |
| 12.470 | H | DISCOVERY | 30000 |
| 12.470 | H | NICKELODEON | 30000 |
| 12.532 | H | ANIMAL PLANET | 30000 |
| 12.532 | H | ANIMAX | 30000 |
| 12.532 | H | ASTRO AWANI | 30000 |
| 12.532 | H | ASTRO CERIA | 30000 |
| 12.532 | H | ASTRO OASIS | 30000 |
| 12.532 | H | BLOOMBERG | 30000 |
| 12.532 | H | CELESTIAL MOVIES | 30000 |
| 12.532 | H | CHANNEL [V] | 30000 |
| 12.532 | H | CINEMAX | 30000 |
| 12.532 | H | ESPN | 30000 |
| 12.532 | H | INDOSIAR | 30000 |
| 12.532 | H | WA TV | 30000 |
| 12.594 | H | AXN | 30000 |
| 12.594 | H | BBC WORLD | 30000 |
| 12.594 | H | CCTV-4 | 30000 |
| 12.594 | H | CNN | 30000 |
| 12.594 | H | DISCOVERY TRAVEL | 30000 |
| 12.594 | H | E! ENTERTAINMENT | 30000 |
| 12.594 | H | METRO TV | 30000 |
| 12.594 | H | MTV ASIA | 30000 |
| 12.594 | H | SCTV | 30000 |
| 12.594 | H | TRANS 7 | 30000 |
| 12.594 | H | TRANS TV | 30000 |
| 12.594 | H | TVRI | 30000 |

## OPTUS D2
### 152.0 East

| Freq GHz | Pol | Channel Name | Symbol rate |
|---|---|---|---|
| ●12.394 | H | ALTG | 22500 |
| ●12.394 | H | BOM | 22500 |
| ●12.394 | H | DYES | 22500 |
| ●12.394 | H | GMAL | 22500 |
| ●12.394 | H | HYAT | 22500 |
| ●12.394 | H | K15 | 22500 |
| ●12.394 | H | MAD | 22500 |
| ●12.394 | H | MKTV | 22500 |
| ●12.394 | H | PLAN | 22500 |
| ●12.394 | H | RIKS | 22500 |
| ●12.394 | H | RTCG | 22500 |
| ●12.394 | H | SETS | 22500 |
| ●12.394 | H | STAR | 22500 |
| ●12.394 | H | NTC | 22500 |
| 12.407 | V | BTV2 | 30000 |
| 12.407 | V | BTV3 | 30000 |
| 12.407 | V | SKY1 | 30000 |
| 12.407 | V | SKY10 | 30000 |
| 12.407 | V | SKY2 | 30000 |
| 12.407 | V | SKY3 | 30000 |
| 12.407 | V | SKY4 | 30000 |
| 12.407 | V | SKY5 | 30000 |
| 12.407 | V | SKY6 | 30000 |
| 12.407 | V | SKY7 | 30000 |
| 12.407 | V | SKY8 | 30000 |
| 12.407 | V | TUNE 152°E | 30000 |
| 12.407 | V | QTAB | 30000 |
| 12.407 | V | Retail R1 | 30000 |
| 12.407 | V | Retail R2 | 30000 |
| 12.407 | V | Retail R3 | 30000 |
| 12.407 | V | Retail R4 | 30000 |
| 12.407 | V | Retail R5 | 30000 |
| 12.407 | V | Retail R6 | 30000 |
| 12.407 | V | SKY Radio1 | 30000 |
| 12.407 | V | Sport 927 | 30000 |
| 12.421 | H | 4E | 22500 |
| 12.421 | H | AJE | 22500 |
| 12.421 | H | ALSH | 22500 |
| 12.421 | H | BHTV | 22500 |
| 12.421 | H | CDF | 22500 |
| 12.421 | H | CHV | 22500 |
| 12.421 | H | DSPT | 22500 |
| 12.421 | H | DTV | 22500 |
| 12.421 | H | KAN7 | 22500 |
| 12.421 | H | MAZZ | 22500 |
| ●12.421 | H | AGPY | 22500 |
| ●12.421 | H | CTV | 22500 |
| ●12.421 | H | PACE | 22500 |
| 12.519 | V | MTV India | 22500 |
| 12.519 | V | NDTV | 22500 |
| 12.519 | V | PolSat | 22500 |
| 12.519 | V | SET | 22500 |
| 12.519 | V | SET Max | 22500 |
| 12.519 | V | Star Gold | 22500 |
| 12.519 | V | Star One | 22500 |
| 12.519 | V | Star Plus | 22500 |
| 12.519 | V | Zee TV | 22500 |
| 12.519 | V | Al Hayat | 22500 |
| 12.519 | V | aon | 22500 |
| 12.519 | V | SMTV | 22500 |
| ●12.546 | V | IAC | 22500 |
| ●12.546 | V | NAB TV | 22500 |
| ●12.546 | V | nba3_Hot | 22500 |
| ●12.546 | V | nba3_Thai | 22500 |
| ●12.546 | V | ADHOC | 22500 |
| ●12.546 | V | NHK World TV | 22500 |
| ●12.546 | V | Radio MIR | 22500 |
| ●12.608 | H | ALPH | 22500 |
| ●12.608 | H | CEST | 22500 |
| ●12.608 | H | COLM | 22500 |
| ●12.608 | H | GMAP | 22500 |
| ●12.608 | H | MEGA | 22500 |
| ●12.608 | H | PELI | 22500 |
| ●12.608 | H | RITL | 22500 |
| ●12.608 | H | TEFE | 22500 |
| ●12.608 | H | TNOV | 22500 |
| ●12.608 | H | TVE | 22500 |
| ●12.608 | H | ERT | 22500 |
| ●12.608 | H | KTV | 22500 |
| ●12.608 | H | SCTV | 22500 |
| ●12.608 | H | BHTR | 22500 |
| ●12.608 | H | DWLS | 22500 |
| ●12.608 | H | DZBB | 22500 |
| ●12.608 | H | FARD | 22500 |
| ●12.608 | H | MRT | 22500 |
| ●12.608 | H | R41 | 22500 |
| ●12.608 | H | R47 | 22500 |
| ●12.608 | H | R48 | 22500 |
| ●12.608 | H | R80 | 22500 |
| ●12.608 | H | R82 | 22500 |
| ●12.608 | H | RDPR | 22500 |
| ●12.608 | H | ROSA | 22500 |
| ●12.644 | H | ALYM | 22500 |
| ●12.644 | H | ANA | 22500 |
| ●12.644 | H | CIN1 | 22500 |
| ●12.644 | V | CMC | 22500 |
| ●12.644 | H | INFY | 22500 |
| ●12.644 | H | MSLT | 22500 |
| ●12.644 | H | MWER | 22500 |
| ●12.644 | H | NDM | 22500 |
| ●12.644 | H | NEWT | 22500 |
| ●12.644 | H | NNEW | 22500 |
| ●12.644 | H | NVAR | 22500 |
| ●12.644 | H | PARS | 22500 |
| ●12.644 | V | Picture Of Croatia | 22500 |
| ●12.644 | H | ROTC | 22500 |
| ●12.644 | H | RTPI | 22500 |
| ●12.644 | V | BVN | 22500 |
| ●12.644 | V | Church TV | 22500 |
| ●12.644 | V | Daystar | 22500 |
| ●12.644 | V | EWTN | 22500 |
| ●12.644 | V | GOD TV | 22500 |
| ●12.644 | V | Inspiration | 22500 |
| ●12.644 | V | JCTV | 22500 |
| ●12.644 | V | Smile of a Child | 22500 |
| ●12.644 | V | Trinity | 22500 |
| ●12.644 | V | TRT Int | 22500 |
| ●12.644 | H | ABAA | 22500 |
| ●12.644 | H | AGNI | 22500 |
| ●12.644 | H | COP | 22500 |
| ●12.644 | H | DTRO | 22500 |
| ●12.644 | H | ELEK | 22500 |
| ●12.644 | H | ELQN | 22500 |
| ●12.644 | H | IASA | 22500 |
| ●12.644 | H | MCR | 22500 |
| ●12.644 | H | PRTO | 22500 |
| ●12.644 | H | R103 | 22500 |
| ●12.644 | H | R109 | 22500 |
| ●12.644 | H | SOUT | 22500 |
| ●12.644 | V | Tarana | 22500 |
| ●12.644 | V | Vietnamese Radio | 22500 |
| ●12.644 | V | Voice of Croatia | 22500 |
| ●12.644 | V | Kossuth Radio | 22500 |
| ●12.644 | V | Overcomer Radio | 22500 |
| ●12.644 | V | Raw FM | 22500 |
| ●12.644 | V | RNW1 | 22500 |
| ●12.644 | V | RNW2 | 22500 |
| ●12.644 | V | RNW3 | 22500 |
| ●12.644 | V | RVI-1 | 22500 |
| ●12.644 | V | Tamil Radio | 22500 |
| ●12.644 | V | TFM Radio | 22500 |
| ●12.644 | V | TSR Turkce | 22500 |
| ●12.644 | V | VOT World | 22500 |
| ●12.671 | H | ALMJ | 22500 |
| ●12.671 | H | ESC | 22500 |
| ●12.671 | H | HEYA | 22500 |
| ●12.671 | H | JSC | 22500 |
| ●12.671 | H | ROTM | 22500 |
| ●12.671 | H | ROTT | 22500 |
| ●12.671 | H | ROTZ | 22500 |
| ●12.671 | H | SAT7 | 22500 |
| ●12.671 | H | SHRQ | 22500 |
| ●12.671 | H | SIC | 22500 |
| ●12.671 | H | TASH | 22500 |
| ●12.671 | H | TLBN | 22500 |
| ●12.671 | H | TVS | 22500 |
| ●12.671 | H | BCFM | 22500 |
| ●12.671 | H | BTFM | 22500 |
| ●12.671 | H | ESFM | 22500 |
| ●12.671 | H | ISFM | 22500 |
| ●12.671 | H | KRAL | 22500 |
| ●12.671 | H | R23 | 22500 |
| ●12.671 | H | R24 | 22500 |
| ●12.671 | H | RADD | 22500 |
| ●12.671 | H | SRFM | 22500 |
| ●12.671 | H | TRTO | 22500 |
| ●12.671 | H | TRTR | 22500 |
| ●12.671 | H | 2ME | 22500 |
| ●12.680 | V | IAC8 PATH 2 | 6670 |
| ●12.707 | H | BAGH | 22500 |
| ●12.707 | H | CH89 | 22500 |
| ●12.707 | H | CH90 | 22500 |
| ●12.707 | H | CH91 | 22500 |
| ●12.707 | H | CH92 | 22500 |
| ●12.707 | H | CH93 | 22500 |
| ●12.707 | H | CH94 | 22500 |
| ●12.707 | H | CH95 | 22500 |
| ●12.707 | H | CH96 | 22500 |
| ●12.707 | H | CH97 | 22500 |
| ●12.707 | H | CH98 | 22500 |
| ●12.707 | H | EUNW | 22500 |
| ●12.707 | V | GTV | 22500 |
| ●12.707 | V | ITVN | 22500 |
| ●12.707 | V | Setanta Sports | 22500 |
| ●12.707 | H | STL | 22500 |
| ●12.707 | V | TV Polonia | 22500 |
| ●12.707 | V | TVK 1 | 22500 |
| ●12.707 | V | TVK 2 | 22500 |
| ●12.707 | V | TVN Racing | 22500 |
| ●12.707 | V | 3ABN | 22500 |
| ●12.707 | V | Aghapy | 22500 |
| ●12.707 | V | Al Forat | 22500 |
| ●12.707 | V | CGN | 22500 |
| ●12.707 | V | Hope | 22500 |
| ●12.707 | V | Press TV | 22500 |
| ●12.707 | V | Narodni Radio | 22500 |
| ●12.707 | V | Radio Polskie | 22500 |
| ●12.707 | V | 3ABN Radio | 22500 |
| ●12.707 | V | Cronat Radio | 22500 |
| ●12.707 | V | IFB | 22500 |
| ●12.707 | V | RFI | 22500 |
| ●12.733 | V | KTV Tamil | 22500 |
| ●12.733 | V | SUN TV | 22500 |
| ●12.733 | V | Abu Dhabi | 22500 |
| ●12.733 | V | Deepam | 22500 |
| ●12.733 | V | DMC | 22500 |
| ●12.733 | V | DUNA | 22500 |
| ●12.733 | V | ERT | 22500 |
| ●12.733 | V | Kurdsat | 22500 |
| ●12.733 | V | Oman TV | 22500 |
| ●12.733 | V | Russia Today | 22500 |
| ●12.733 | V | TGN | 22500 |
| ●12.733 | V | TVRI | 22500 |
| ●12.733 | V | Suryan FM | 22500 |
| ●12.733 | V | 2CR | 22500 |
| ●12.733 | V | ATBC Tamil | 22500 |
| ●12.733 | V | Bangkok FM94 | 22500 |
| ●12.733 | V | Emirates FM | 22500 |
| ●12.733 | V | In Direct Romania | 22500 |
| ●12.733 | V | KISS FM | 22500 |
| ●12.733 | V | Net 105.8 | 22500 |
| ●12.733 | V | Oman Radio | 22500 |
| ●12.733 | V | UCB Radio | 22500 |
| ●12.545 | V | IAC | 22500 |
| ●12.545 | V | NAB TV | 22500 |
| ●12.545 | V | nba3_Hot | 22500 |
| ●12.545 | V | nba3_Thai | 22500 |
| ●12.545 | V | ADHOC | 22500 |
| ●12.545 | V | NHK World TV | 22500 |
| ●12.545 | V | Radio MIR | 22500 |
| ●12.581 | H | ALNA | 22500 |
| ●12.581 | H | ATV | 22500 |
| ●12.581 | H | EURD | 22500 |
| ●12.581 | H | EURS | 22500 |
| ●12.581 | H | IRQY | 22500 |
| ●12.581 | H | JAJM | 22500 |
| ●12.581 | H | KRAL | 22500 |
| ●12.581 | H | LATV | 22500 |
| ●12.581 | H | NTV | 22500 |
| ●12.581 | H | STV | 22500 |
| ●12.581 | H | TRTI | 22500 |
| ●12.581 | H | TVGL | 22500 |
| ●12.581 | H | VZYN | 22500 |
| ●12.581 | H | ALFM | 22500 |
| ●12.581 | H | ATNA | 22500 |
| ●12.581 | H | COG | 22500 |
| ●12.581 | H | ERAS | 22500 |
| ●12.581 | H | FERA | 22500 |
| ●12.581 | H | MELO | 22500 |
| ●12.581 | H | MGF | 22500 |
| ●12.581 | H | MRL | 22500 |
| ●12.581 | H | RA18 | 22500 |
| ●12.581 | H | RAUS | 22500 |
| ●12.581 | H | SOHO | 22500 |
| ●12.581 | H | THES | 22500 |

## JCSAT 2A
### 154.0 East

| Freq GHz | Pol | Channel Name | Symbol rate |
|---|---|---|---|
| 12.310 | H | Agonsyu | 3515 |
| 12.688 | V | S-Net package | 21096 |
| 12.700 | H | AG Net | 5275 |

## OPTUS C1
### 156.0 East

| Freq GHz | Pol | Channel Name | Symbol rate |
|---|---|---|---|
| 12.305 | H | ABC1 | 30000 |
| 12.305 | H | AITV05 | 30000 |
| 12.305 | H | SBS | 30000 |
| 12.305 | H | EXPO | 30000 |
| 12.305 | H | air | 30000 |
| 12.305 | H | EPG | 30000 |
| 12.305 | H | GamesWorld | 30000 |
| 12.305 | H | PDR EPG | 30000 |
| 12.305 | H | Star Picks | 30000 |
| 12.358 | H | Cartoon | 27800 |
| 12.358 | H | Discovery | 27800 |
| 12.358 | H | Fox Sports 3 | 27800 |
| 12.358 | H | Hallmark | 27800 |
| 12.358 | H | History | 27800 |
| 12.358 | H | Movie Extra | 27800 |
| 12.358 | H | Movie Greats | 27800 |
| 12.358 | H | Nat Geo | 27800 |
| 12.358 | H | Nickelodeon | 27800 |
| 12.358 | H | Show Greats | 27800 |
| 12.358 | H | World Movies | 27800 |
| 12.367 | V | ABC1 | 27800 |
| 12.367 | V | ACC | 27800 |
| 12.367 | V | Channel 7 | 27800 |
| 12.367 | V | NITV | 27800 |
| 12.367 | V | SBS | 27800 |
| 12.367 | V | SBS News | 27800 |
| 12.367 | V | Setanta Sports | 27800 |
| 12.367 | V | TVN | 27800 |
| 12.367 | V | 720ABCPerth | 27800 |
| 12.367 | V | ABC Classic | 27800 |
| 12.367 | V | ABC Goldflds | 27800 |
| 12.367 | V | ABCLocal WA | 27800 |
| 12.367 | V | ABCRadioNat | 27800 |
| 12.367 | V | SBS AM | 27800 |
| 12.367 | V | SBS FM | 27800 |
| 12.398 | H | Animal Planet | 27800 |
| 12.398 | H | Antenna | 27800 |
| 12.398 | H | Bio. | 27800 |
| 12.398 | H | Bloomberg | 27800 |
| 12.398 | H | CNN | 27800 |
| 12.398 | H | ESPN | 27800 |
| 12.398 | H | Food | 27800 |
| 12.398 | H | FOX News | 27800 |
| 12.398 | H | RAI | 27800 |
| 12.398 | H | Showcase | 27800 |
| 12.398 | H | Weather | 27800 |
| 12.398 | H | WEATHER ACTIVE | 27800 |
| 12.398 | H | Ant1 Radio | 27800 |
| 12.398 | H | RAI Radio | 27800 |
| 12.438 | H | xPush AVC SD | 27800 |
| 12.438 | H | bars | 27800 |
| 12.438 | H | FBOB | 27800 |
| 12.438 | H | Playhouse | 27800 |
| 12.438 | H | Sky News | 27800 |
| 12.438 | H | SKY NEWS ACTIVE | 27800 |
| 12.438 | H | Help | 27800 |
| 12.438 | H | iEPG Video Satellite | 27800 |
| 12.438 | H | {Empty} | 27800 |
| 12.447 | V | AUSA | 27800 |
| 12.447 | V | SPA | 27800 |
| 12.447 | V | SPB | 27800 |
| 12.447 | V | SPH | 27800 |
| 12.447 | V | SPM | 27800 |
| 12.447 | V | SPW | 27800 |
| 12.478 | H | Boomerang | 27800 |
| 12.478 | H | Fox Sports 1 | 27800 |
| 12.478 | H | Fox Sports 2 | 27800 |
| 12.478 | H | FOX SPORTS NEWS A | 27800 |
| 12.478 | H | FoxSportsNews | 27800 |
| 12.478 | H | FS1 | 27800 |
| 12.478 | H | FSNA | 27800 |
| 12.478 | H | Main Event | 27800 |
| 12.478 | H | Ovation | 27800 |
| 12.478 | H | SATest | 27800 |
| 12.478 | H | Sky Business | 27800 |
| 12.478 | H | Sky Racing | 27800 |
| 12.478 | H | Spare | 27800 |
| 12.478 | H | SPORT SELECTOR | 27800 |
| 12.478 | H | SportSelector | 27800 |
| 12.478 | H | TVSN | 27800 |
| 12.487 | V | Channel 10 | 27800 |
| 12.487 | V | Channel 9 | 27800 |
| 12.607 | V | ACC | 27800 |
| 12.607 | V | FB05 | 27800 |
| 12.607 | V | FB06 | 27800 |
| 12.607 | V | FB07 | 27800 |
| 12.607 | V | FB08 | 27800 |
| 12.607 | V | FB19 | 27800 |
| 12.607 | V | FB20 | 27800 |
| 12.607 | V | FB21 | 27800 |
| 12.607 | V | FB22 | 27800 |
| 12.607 | V | FB23 | 27800 |
| 12.607 | V | FB24 | 27800 |
| 12.647 | V | Adults Only 1 | 27800 |
| 12.647 | V | Adults Only 2 | 27800 |
| 12.647 | V | CNBC | 27800 |
| 12.647 | V | EXPO | 27800 |
| 12.647 | V | FB09 | 27800 |
| 12.647 | V | FB10 | 27800 |
| 12.647 | V | FB11 | 27800 |
| 12.647 | V | FB12 | 27800 |
| 12.647 | V | FB25 | 27800 |
| 12.647 | V | FB26 | 27800 |
| 12.728 | V | ABC TV NT | 24450 |
| 12.728 | V | ABC TV Q | 24450 |
| 12.728 | V | ABC TV SA | 24450 |
| 12.728 | V | ABC TV SE | 24450 |
| 12.728 | V | ABC FM NT | 24450 |
| 12.728 | V | ABC FM Q | 24450 |
| 12.728 | V | ABC FM SA | 24450 |
| 12.728 | V | ABC FM SE | 24450 |
| 12.728 | V | ABC JJJ | 24450 |
| 12.728 | V | ABC PNN | 24450 |
| 12.728 | V | ABC RN NT | 24450 |
| 12.728 | V | ABC RN Q | 24450 |
| 12.728 | V | ABC RN SA | 24450 |
| 12.728 | V | ABC RN SE | 24450 |
| 12.728 | V | ABC RR AS | 24450 |
| 12.728 | V | ABC RR NQ | 24450 |
| 12.728 | V | ABC RR NT | 24450 |
| 12.728 | V | ABC RR Q | 24450 |
| 12.728 | V | ABC RR SA | 24450 |
| 12.728 | V | ABC RR SE | 24450 |
| 12.728 | V | ABC RR V | 24450 |
| 12.518 | H | ARENA +2 | 27800 |
| 12.518 | H | Classics +2 | 27800 |
| 12.518 | H | Comedy +2 | 27800 |
| 12.518 | H | FOX8 +2 | 27800 |
| 12.518 | H | LifeStyle +2 | 27800 |
| 12.518 | H | Movie Two | 27800 |
| 12.518 | H | Showtime +2 | 27800 |
| 12.518 | H | TV1 +2 | 27800 |
| 12.518 | H | UKTV +2 | 27800 |
| 12.518 | H | W2 | 27800 |
| 12.527 | V | ABC TV WA | 30000 |
| 12.527 | V | GWN TV | 30000 |
| 12.527 | V | IMP TV | 30000 |
| 12.527 | V | NITV | 30000 |
| 12.527 | V | SBS SA | 30000 |
| 12.527 | V | WIN | 30000 |
| 12.527 | V | WLK | 30000 |
| 12.527 | V | 2CUZ | 30000 |
| 12.527 | V | 5PY | 30000 |
| 12.527 | V | 8HA | 30000 |
| 12.527 | V | 990 AM | 30000 |
| 12.527 | V | ABC FM WA | 30000 |
| 12.527 | V | ABC RN WA | 30000 |
| 12.527 | V | ABC RR WN | 30000 |
| 12.527 | V | ABC RR WS | 30000 |
| 12.527 | V | ARDS | 30000 |
| 12.527 | V | Arrow | 30000 |
| 12.527 | V | Caama | 30000 |
| 12.527 | V | GUM- ALA | 30000 |
| 12.527 | V | Mulba | 30000 |
| 12.527 | V | PAK- AM | 30000 |
| 12.527 | V | PAW | 30000 |
| 12.527 | V | RABS TONE | 30000 |
| 12.527 | V | SBS R SA | 30000 |
| 12.527 | V | SMA BUS6 | 30000 |
| 12.527 | V | SMA BUS7 | 30000 |
| 12.527 | V | Teab- ba | 30000 |
| 12.558 | H | AREN | 27800 |
| 12.558 | H | ARENA | 27800 |
| 12.558 | H | Comedy | 27800 |
| 12.558 | H | Disney | 27800 |
| 12.558 | H | FOX Classics | 27800 |
| 12.558 | H | FOX8 | 27800 |
| 12.558 | H | LifeStyle | 27800 |
| 12.558 | H | Movie One | 27800 |
| 12.558 | H | Showtime | 27800 |
| 12.558 | H | TV1 | 27800 |
| 12.558 | H | UKTV | 27800 |
| 12.558 | H | W | 27800 |
| 12.567 | V | AURORA | 27800 |
| 12.567 | V | FB01 | 27800 |
| 12.567 | V | FB02 | 27800 |
| 12.567 | V | FB03 | 27800 |
| 12.567 | V | FB04 | 27800 |
| 12.567 | V | FB13 | 27800 |
| 12.567 | V | FB14 | 27800 |
| 12.567 | V | FB15 | 27800 |
| 12.567 | V | FB16 | 27800 |
| 12.567 | V | FB17 | 27800 |
| 12.567 | V | FB18 | 27800 |
| 12.598 | H | BBC World | 27800 |
| 12.598 | H | Channel [V] | 27800 |
| 12.598 | H | CI | 27800 |
| 12.598 | H | FUEL TV | 27800 |
| 12.598 | H | How To | 27800 |
| 12.598 | H | MAX | 27800 |
| 12.598 | H | MTV | 27800 |
| 12.598 | H | SCI FI | 27800 |
| 12.598 | H | Sky News | 27800 |
| 12.598 | H | SkyN | 27800 |
| 12.598 | H | TCM | 27800 |
| 12.598 | H | Vh1 | 27800 |
| 12.638 | H | BOX | 27800 |
| 12.638 | H | Box Office | 27800 |
| 12.638 | H | Channel [V]2 | 27800 |
| 12.638 | H | Country Music | 27800 |
| 12.638 | H | Disc Health | 27800 |
| 12.638 | H | Disc Science | 27800 |
| 12.638 | H | Disc Travel | 27800 |
| 12.638 | H | E! | 27800 |
| 12.638 | H | Eurosportnews | 27800 |
| 12.638 | H | FTV | 27800 |
| 12.638 | H | NG Adventure | 27800 |
| 12.638 | H | Nick Jr | 27800 |
| 12.638 | H | AIR01 | 27800 |
| 12.638 | H | AIR02 | 27800 |
| 12.638 | H | AIR03 | 27800 |
| 12.638 | H | AIR04 | 27800 |
| 12.638 | H | AIR05 | 27800 |
| 12.638 | H | AIR06 | 27800 |
| 12.638 | H | AIR07 | 27800 |
| 12.638 | H | AIR08 | 27800 |
| 12.638 | H | AIR09 | 27800 |
| 12.638 | H | AIR10 | 27800 |
| 12.638 | H | AIR11 | 27800 |
| 12.638 | H | AIR12 | 27800 |
| 12.638 | H | AIR13 | 27800 |
| 12.638 | H | AIR14 | 27800 |
| 12.638 | H | AIR15 | 27800 |
| 12.638 | H | AIR16 | 27800 |
| 12.638 | H | AIR17 | 27800 |
| 12.638 | H | AIR18 | 27800 |
| 12.638 | H | AIR19 | 27800 |
| 12.638 | H | AIR20 | 27800 |
| 12.638 | H | AIR21 | 27800 |
| 12.638 | H | AIR22 | 27800 |
| 12.638 | H | AIR23 | 27800 |
| 12.638 | H | AIR24 | 27800 |
| 12.638 | H | AIR25 | 27800 |
| 12.638 | H | AIR26 | 27800 |
| 12.638 | H | AIR27 | 27800 |
| 12.638 | H | AIR28 | 27800 |
| 12.638 | H | AIR29 | 27800 |
| 12.638 | H | AIR30 | 27800 |
| 12.688 | H | ESPN HD | 27800 |
| 12.688 | H | HD Channel D | 27800 |
| 12.688 | H | Discovery HD | 27800 |
| 12.688 | H | HD Channel AA | 27800 |
| 12.688 | H | HD Channel BB | 27800 |
| 12.688 | H | HD push | 27800 |
| ●12.407 | V | {Empty Name} | 30000 |
| 12.287 | V | BBC HD | 27800 |
| 12.287 | V | FOX Sports HD | 27800 |
| 12.287 | V | Nat Geo HD | 27800 |
| 12.693 | V | ABC1 | 28650 |
| 12.693 | V | ABC2 | 28650 |
| 12.693 | V | 612ABC Bris | 28650 |
| 12.693 | V | 702ABC Syd | 28650 |
| 12.693 | V | 774ABC Melb | 28650 |
| 12.693 | V | 891ABC Adel | 28650 |
| 12.693 | V | ABC Classic | 28650 |
| 12.693 | V | ABC Local SA | 28650 |
| 12.693 | V | ABC LocalVic | 28650 |
| 12.693 | V | ABC Nth Qld | 28650 |
| 12.693 | V | ABC Regnl | 28650 |
| 12.693 | V | ABCLocalNSW | 28650 |
| 12.693 | V | ABCNewsRadio | 28650 |
| 12.693 | V | ABCRadioNat | 28650 |
| 12.693 | V | ABCWest Qld | 28650 |
| 12.693 | V | Classic FM | 28650 |
| 12.693 | V | dig | 28650 |
| 12.693 | V | dig jazz | 28650 |
| 12.693 | V | Radio Nat | 28650 |
| 12.693 | V | triple j | 28650 |

## OPTUS D1
### 160.0 East

| Freq GHz | Pol | Channel Name | Symbol rate |
|---|---|---|---|
| 12.427 | H | GWN | 14289 |
| 12.427 | H | WIN WA 16:9 | 14289 |
| ●12.519 | V | 63 | 22500 |
| ●12.519 | V | Cartoon Network | 22500 |
| ●12.519 | V | CTV 1 | 22500 |
| ●12.519 | V | Preview | 22500 |
| ●12.519 | V | Preview | 22500 |
| ●12.519 | V | SKY Movies | 22500 |
| ●12.519 | V | SKY News | 22500 |
| ●12.519 | V | MindGames | 22500 |
| ●12.519 | V | Ad Tracks | 22500 |
| ●12.519 | V | Christmas Music | 22500 |
| ●12.519 | V | Classical | 22500 |
| ●12.519 | V | Kids | 22500 |
| ●12.519 | V | EPG Background Audio | 22500 |
| ●12.519 | V | RNZ Concert | 22500 |
| ●12.519 | V | RNZ National | 22500 |
| ●12.519 | V | Tahu FM | 22500 |
| ●12.519 | V | TS3 IEPG Data Serv | 22500 |
| ●12.637 | V | DDT | 5100 |
| ●12.637 | V | SC10 Ballarat | 5100 |
| ●12.637 | V | SCTV Central | 5100 |
| ●12.637 | V | SCTV Darwin | 5100 |
| 12.637 | V | Test | 5100 |
| ●12.637 | V | TAIMA | 5100 |
| ●12.662 | V | 9MHz, PAL, 2 Audio | 7200 |
| ●12.671 | V | SNV PATH-1 | 7200 |
| ●12.680 | V | 7BCM D1/T7 Slot 6 | 7200 |
| ●12.680 | V | SNV PATH-1 | 7200 |
| 12.407 | H | SBS | 12600 |
| 12.407 | H | SBS 2 | 12600 |
| 12.407 | H | SBS HD | 12600 |
| 12.407 | H | SBS NEWS | 12600 |
| 12.407 | H | SBS RADIO 1 | 12600 |
| 12.407 | H | SBS RADIO 2 | 12600 |
| 12.451 | H | SBS | 12600 |
| 12.451 | H | SBS 2 | 12600 |
| 12.451 | H | SBS HD | 12600 |
| 12.451 | H | SBS NEWS | 12600 |
| 12.451 | H | SBS RADIO 1 | 12600 |
| 12.451 | H | SBS RADIO 2 | 12600 |
| 12.469 | H | SBS | 12600 |
| 12.469 | H | SBS 2 | 12600 |
| 12.469 | H | SBS HD | 12600 |
| 12.469 | H | SBS NEWS | 12600 |
| 12.469 | H | SBS RADIO 1 | 12600 |
| 12.469 | H | SBS RADIO 2 | 12600 |
| 12.487 | H | SBS | 12600 |
| 12.487 | H | SBS 2 | 12600 |
| 12.487 | H | SBS HD | 12600 |
| 12.487 | H | SBS NEWS | 12600 |
| 12.487 | H | SBS RADIO 1 | 12600 |
| 12.487 | H | SBS RADIO 2 | 12600 |
| 12.514 | H | ABC HDTV | 14294 |
| 12.514 | H | ABC1 | 14294 |
| 12.514 | H | ABC2 | 14294 |
| 12.514 | H | ABC3 | 14294 |
| 12.514 | H | ABC DiG Jazz | 14294 |
| 12.514 | H | ABC DiG Radio | 14294 |
| 12.532 | H | ABC HDTV | 14294 |
| 12.532 | H | ABC1 | 14294 |
| 12.532 | H | ABC2 | 14294 |
| 12.532 | H | ABC3 | 14294 |
| 12.532 | H | ABC DiG Jazz | 14294 |
| 12.532 | H | ABC DiG Radio | 14294 |
| 12.550 | H | ABC HDTV | 14294 |
| 12.550 | H | ABC1 | 14294 |
| 12.550 | H | ABC2 | 14294 |
| 12.550 | H | ABC3 | 14294 |
| 12.550 | H | ABC DiG Jazz | 14294 |
| 12.550 | H | ABC DiG Radio | 14294 |
| 12.577 | H | ABC HDTV | 14294 |
| 12.577 | H | ABC1 | 14294 |
| 12.577 | H | ABC2 | 14294 |
| 12.577 | H | ABC3 | 14294 |
| 12.577 | H | ABC Dig Jazz | 14294 |
| 12.577 | H | ABC DiG Radio | 14294 |
| 12.595 | H | ABC HDTV | 14294 |
| 12.595 | H | ABC1 | 14294 |
| 12.595 | H | ABC2 | 14294 |
| 12.595 | H | ABC3 | 14294 |
| 12.595 | H | ABC DiG Jazz | 14294 |
| 12.595 | H | ABC DiG Radio | 14294 |
| 12.610 | H | ABC HDTV | 14294 |
| 12.610 | H | ABC1 | 14294 |
| 12.610 | H | ABC2 | 14294 |
| 12.610 | H | ABC3 | 14294 |
| 12.610 | H | ABC DiG Jazz | 14294 |
| 12.610 | H | ABC DiG Radio | 14294 |
| ●12.358 | H | SKY Sport 2 HD | 22500 |
| ●12.358 | H | SM Greats HD | 22500 |
| ●12.358 | H | TV3 HD | 22500 |
| ●12.421 | H | Alt TV | 22500 |
| ●12.421 | H | Arts Channel | 22500 |
| ●12.421 | H | CI | 22500 |
| ●12.421 | H | CNBC | 22500 |
| ●12.421 | H | Documentary | 22500 |
| ●12.421 | H | Fashion TV | 22500 |
| ●12.421 | H | Fox News | 22500 |
| ●12.421 | H | Star Plus Hindi | 22500 |
| ●12.421 | H | TCM | 22500 |
| 12.456 | H | C4 | 22500 |
| 12.456 | H | CUE | 22500 |
| 12.456 | H | Parliament TV | 22500 |
| 12.456 | H | STRATOS | 22500 |
| 12.456 | H | Te Reo | 22500 |
| 12.456 | H | TV3 | 22500 |
| 12.456 | H | GeorgeFM | 22500 |
| 12.456 | H | RNZ Concert | 22500 |
| 12.456 | H | RNZ National | 22500 |
| ●12.456 | H | {Empty Name} | 22500 |
| ●12.537 | V | Astralinks SNG | 6670 |
| ●12.546 | H | CTV 2 | 22500 |
| ●12.546 | H | CTV 3 | 22500 |
| ●12.546 | H | CTV 4 | 22500 |
| ●12.546 | H | Food Television | 22500 |
| ●12.546 | H | History Channel | 22500 |
| ●12.546 | H | Living Channel | 22500 |
| ●12.546 | H | Playhouse | 22500 |
| ●12.546 | H | SKY Sport 1 | 22500 |
| ●12.546 | H | SKY Sport H/L's | 22500 |
| ●12.546 | V | Astralinks SNG | 6670 |
| ●12.546 | H | Blues | 22500 |
| ●12.546 | H | New Supremo | 22500 |
| ●12.546 | H | Real Good Life | 22500 |
| ●12.546 | H | Calvary | 22500 |
| ●12.555 | V | Astralinks SNG | 6670 |
| ●12.581 | H | {Empty Name} | 22500 |
| ●12.608 | H | Discovery | 22500 |
| ●12.608 | H | E! | 22500 |
| ●12.608 | H | Juice TV | 22500 |
| ●12.608 | H | KTV 1 | 22500 |
| ●12.608 | H | Shine | 22500 |
| ●12.608 | H | SKY Sport 3 | 22500 |
| ●12.608 | H | SM Greats | 22500 |
| ●12.608 | H | the BOX | 22500 |
| ●12.608 | H | 50's & 60's | 22500 |
| ●12.608 | H | Country | 22500 |
| ●12.608 | H | House | 22500 |
| ●12.608 | H | Jazz | 22500 |
| ●12.608 | H | Party | 22500 |
| ●12.608 | H | Rock | 22500 |
| ●12.671 | H | {Empty Name} | 22500 |
| ●12.707 | H | Animal Planet | 22500 |
| ●12.707 | H | CNN | 22500 |
| ●12.707 | H | Country Channel | 22500 |
| ●12.707 | H | Disney Channel | 22500 |
| ●12.707 | H | MTV | 22500 |
| ●12.707 | H | Prime | 22500 |
| ●12.331 | H | AUX HD | 22500 |
| ●12.331 | H | SKY Movies HD | 22500 |
| ●12.331 | H | SKY Sport 1 HD | 22500 |

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**C-Band: INTELSAT 8**
**166.0 East**
**INT008CH**

| Freq GHz | Pol | Channel Name | Symbol rate |
|---|---|---|---|
| 3.740 | H | MTV Asia | 27500 |
| 3.740 | H | MTV Mandarin | 27500 |
| 3.740 | H | MTV Philippines | 27500 |
| 3.740 | H | MTVNA | 27500 |
| 3.740 | H | Nick Japan | 27500 |
| 3.740 | H | Nick NZ | 27500 |
| 3.740 | H | Nick SE | 27500 |
| 3.740 | H | MTV China | 27500 |

**INT008CV**

| Freq GHz | Pol | Channel Name | Symbol rate |
|---|---|---|---|
| 3.790 | V | KBS WORLD N | 6507 |
| 3.790 | V | YTN N | 6507 |
| 3.808 | V | EMTV & Radio | 5632 |
| 3.808 | V | Radio Services | 5632 |
| 3.815 | V | ArirangTV W2 | 4400 |
| 3.833 | V | Asia | 17500 |
| 3.833 | V | TVBS-M | 17500 |
| 3.833 | V | TVBS | 17500 |
| 3.833 | V | TVBSG | 17500 |
| 3.833 | V | TVBSN | 17500 |
| 3.833 | V | UTILITY | 17500 |
| 3.833 | V | Audio Only | 17500 |
| ● 3.880 | V | A copy of ANC statio | 28700 |
| ● 3.880 | V | A copy of TFC 1 cabl | 28700 |
| ● 3.880 | V | ABS CBN halalan | 28700 |
| ● 3.880 | V | ABS-CBN 1 cable | 28700 |
| ● 3.880 | V | ANC cable | 28700 |
| ● 3.880 | V | ANC station | 28700 |
| 3.880 | V | Channel 17 | 28700 |
| 3.880 | V | channel 2 | 28700 |
| ● 3.880 | V | Cinema 1 cable | 28700 |
| 3.880 | V | Cinema Global | 28700 |
| 3.880 | V | HERO Channel | 28700 |
| ● 3.880 | V | LIFESTYLE cable | 28700 |
| ● 3.880 | V | MYX cable | 28700 |
| 3.880 | V | OS Download Channel | 28700 |
| 3.880 | V | PinoyCentral TV | 28700 |
| 3.880 | V | PinoyCentral TV Kida | 28700 |
| ● 3.880 | V | Studio 23 cable | 28700 |
| ● 3.880 | V | TFC 1 cable | 28700 |
| ● 3.880 | V | Knowledge Channel ca | 28700 |
| 3.880 | V | PBB | 28700 |
| ● 3.880 | V | DZMM international | 28700 |
| ● 3.880 | V | DZMM local | 28700 |
| ● 3.880 | V | DWRR international | 28700 |
| ● 3.880 | V | DWRR local | 28700 |
| 3.880 | V | MOR Feed | 28700 |
| ● 3.949 | V | MBC 1 | 4613 |
| 3.960 | V | CRI Radio | 3428 |
| 3.808 | H | EMTV & Radio | 5632 |
| 3.808 | H | Radio Services | 5632 |
| 3.815 | H | ArirangTV W2 | 4400 |
| ● 3.880 | H | A copy of ANC statio | 28700 |
| ● 3.880 | H | A copy of TFC 1 cabl | 28700 |
| ● 3.880 | H | ABS CBN halalan | 28700 |
| ● 3.880 | H | ABS-CBN 1 cable | 28700 |
| ● 3.880 | H | ANC cable | 28700 |
| ● 3.880 | H | ANC station | 28700 |
| 3.880 | H | Channel 17 | 28700 |
| 3.880 | H | channel 2 | 28700 |
| ● 3.880 | H | Cinema 1 cable | 28700 |
| 3.880 | H | Cinema Global | 28700 |
| 3.880 | H | HERO Channel | 28700 |
| ● 3.880 | H | LIFESTYLE cable | 28700 |
| ● 3.880 | H | MYX cable | 28700 |
| 3.880 | H | OS Download Channel | 28700 |
| 3.880 | H | PinoyCentral TV | 28700 |
| 3.880 | H | PinoyCentral TV Kida | 28700 |
| ● 3.880 | H | Studio 23 cable | 28700 |
| ● 3.880 | H | TFC 1 cable | 28700 |
| ● 3.880 | H | Knowledge Channel ca | 28700 |
| 3.880 | H | PBB | 28700 |
| ● 3.880 | H | DZMM international | 28700 |
| ● 3.880 | H | DZMM local | 28700 |
| ● 3.880 | H | DWRR international | 28700 |
| ● 3.880 | H | DWRR local | 28700 |
| 3.880 | H | MOR Feed | 28700 |

**INTELSAT 8**
**166.1 East**
**INT008KA**

| Freq GHz | Pol | Channel Name | Symbol rate |
|---|---|---|---|
| 12.286 | H | Animal Planet | 28800 |
| 12.286 | H | Canal Sur | 28800 |
| 12.286 | H | Discovery HH | 28800 |
| 12.286 | H | Discovery RT | 28800 |
| 12.286 | H | Discovery Sc | 28800 |
| 12.286 | H | Discovery TL | 28800 |
| 12.286 | H | Enews ES | 28800 |
| 12.286 | H | Enews Italy | 28800 |
| 12.286 | H | Euronews | 28800 |
| 12.286 | H | Latele Novela | 28800 |
| 12.286 | H | Leonardo World | 28800 |
| 12.286 | H | PGM 206 | 28800 |
| 12.286 | H | PGM 207 | 28800 |
| 12.286 | H | PGM 208 | 28800 |
| 12.286 | H | PGM 213 | 28800 |
| 12.286 | H | RAI Italia | 28800 |
| 12.286 | H | TV Chile | 28800 |
| 12.286 | H | VTV Uruguay | 28800 |
| 12.286 | H | Wine TV | 28800 |
| 12.286 | H | Satelradio | 28800 |
| 12.326 | H | Movie One | 28800 |
| 12.326 | H | E! Ent | 28800 |
| 12.326 | H | Movie Ex | 28800 |
| 12.326 | H | Movie Gr | 28800 |
| 12.326 | H | Movie Two | 28800 |
| 12.326 | H | MTV | 28800 |
| 12.326 | H | Nat.Geographic | 28800 |
| 12.326 | H | NG Adventure | 28800 |
| 12.326 | H | Ovation | 28800 |
| 12.326 | H | PGM 311 | 28800 |
| 12.326 | H | PGM 313 | 28800 |
| 12.326 | H | TCM | 28800 |
| 12.326 | H | VH1 | 28800 |
| 12.526 | H | ANT1 Pacific | 28800 |
| 12.526 | H | BBC World News | 28800 |
| 12.526 | H | Bloomberg | 28800 |
| 12.526 | H | Cartoon Network | 28800 |
| 12.526 | H | CNNI | 28800 |
| 12.526 | H | ERT World | 28800 |
| 12.526 | H | Eurosport | 28800 |
| 12.526 | H | Fashion TV | 28800 |
| 12.526 | H | PGM 109 | 28800 |
| 12.526 | H | PGM*114 | 28800 |
| 12.526 | H | R.F.S. TV | 28800 |
| 12.526 | H | Sky Racing | 28800 |
| 12.526 | H | TVE | 28800 |
| 12.526 | H | Weatherzone | 28800 |
| 12.526 | H | SelecTV. | 28800 |
| 12.526 | H | Antenna Radio | 28800 |
| 12.526 | H | ERA Sport Radio | 28800 |
| 12.526 | H | Vce of Greece | 28800 |
| 12.526 | H | TCTFM | 28800 |
| 12.575 | H | ANC | 13845 |
| 12.575 | H | CINEMA1 | 13845 |
| 12.575 | H | KC | 13845 |
| ● 12.575 | H | PPV | 13845 |
| 12.575 | H | TFC | 13845 |
| 12.575 | H | DA-I | 13845 |
| 12.575 | H | ISHTAR TV | 13845 |
| 12.575 | H | DWRR | 13845 |
| 12.575 | H | DZMM | 13845 |
| 12.646 | H | Al Arabiyah | 28060 |
| 12.646 | H | AL JAZEERA | 28060 |
| 12.646 | H | ART AUSTRALIA | 28060 |
| 12.646 | H | ART MOVIES | 28060 |
| 12.646 | H | Future TV | 28060 |
| 12.646 | H | LBC AUSTRALIA | 28060 |
| 12.646 | H | MBC | 28060 |
| 12.646 | H | Tele Lumiere | 28060 |
| 12.646 | H | ART GLOBAL | 28060 |
| 12.646 | H | ART LATINO | 28060 |
| 12.646 | H | Future News | 28060 |
| 12.646 | H | LBC AMERICA | 28060 |
| 12.646 | H | Leonardo World | 28060 |
| 12.646 | H | NBN | 28060 |
| 12.646 | H | NTV | 28060 |
| 12.646 | H | RAI NTSC | 28060 |
| 12.646 | H | RAI PAL Australia | 28060 |
| 12.646 | H | RAI PAL South Amer | 28060 |
| 12.646 | H | Orient Radio | 28060 |
| 12.646 | H | Radio 2Moro | 28060 |
| 12.646 | H | Radio Al Ddikr | 28060 |
| 12.646 | H | Radio Music | 28060 |
| 12.646 | H | Radio Voice of Chari | 28060 |
| 12.646 | H | Rai Radio Australia | 28060 |
| 12.646 | H | Rai Radio Service | 28060 |
| 12.646 | H | RI Anni 60 | 28060 |
| 12.686 | H | CCTV 4 | 28125 |
| 12.686 | H | Celestial | 28125 |
| 12.686 | H | Chong Qing TV | 28125 |
| 12.686 | H | Dragon TV | 28125 |
| 12.686 | H | Hunan | 28125 |
| 12.686 | H | Phoenix Chinese | 28125 |
| 12.686 | H | Phoenix InfoNews | 28125 |
| 12.686 | H | TVB K/C | 28125 |
| 12.686 | H | TVB8 | 28125 |
| 12.686 | H | TVBJ | 28125 |
| 12.686 | H | tvbN | 28125 |
| 12.686 | H | TVBS - N | 28125 |
| 12.686 | H | TVBS Asia | 28125 |
| 12.686 | H | Xing He | 28125 |
| 12.726 | H | A1 PLUS | 28060 |
| 12.726 | H | BHT | 28060 |
| 12.726 | H | BK TV | 28060 |
| 12.726 | H | BN TV | 28060 |
| 12.726 | H | DM SAT | 28060 |
| 12.726 | H | NHK | 28060 |
| 12.726 | H | PINK EXTRA | 28060 |
| 12.726 | H | PINK PLUS | 28060 |
| 12.726 | H | VIKOM | 28060 |
| 12.726 | H | BETHEL TV | 28060 |
| 12.726 | H | ERI TV | 28060 |
| 12.726 | H | KTV | 28060 |
| 12.726 | H | Melody Arabia | 28060 |
| 12.726 | H | ORANGE TV | 28060 |
| 12.726 | H | SYRIA TV | 28060 |
| 12.726 | H | CRI RADIO | 28060 |
| 12.726 | H | ERI RADIO A | 28060 |
| 12.726 | H | ERI RADIO T | 28060 |
| 12.726 | H | Main General Program | 28060 |
| 12.726 | H | Voice of People | 28060 |
| 12.726 | H | Voice of Youth | 28060 |
| ● 12.500 | V | MACTV | 3073 |

**C-Band: INTELSAT 2**
**169.0 East**

| Freq GHz | Pol | Channel Name | Symbol rate |
|---|---|---|---|
| ● 3.958 | V | SD-ENC-03 | 6621 |
| ● 3.901 | H | Adhoc I VC2 | 30800 |
| ● 3.901 | H | Adhoc II VC4 | 30800 |
| 3.901 | H | Australian Broadcast | 30800 |
| 3.901 | H | BBC | 30800 |
| 3.901 | H | IQRAA | 30800 |
| 3.901 | H | Radio Australia ABC | 30800 |
| ● 3.958 | V | SD-ENC-03 | 6620 |
| 3.992 | V | Channel 1 | 26470 |
| 3.992 | V | Channel 2 | 26470 |
| 3.992 | V | Channel 3 | 26470 |
| 3.992 | V | Channel 5 | 26470 |
| 3.992 | V | MetroMux Channel 7 | 26470 |
| 3.992 | V | MetroMux Channel 8 | 26470 |
| 3.992 | V | Channel 4 | 26470 |
| 3.992 | V | Channel 6 | 26470 |
| 4.022 | H | Hope Channel Intl | 5900 |
| 4.022 | H | Hope Intl Alt Lang1 | 5900 |
| 4.022 | H | Hope Intl Alt Lang2 | 5900 |
| 4.022 | H | Lifetalk Radio | 5900 |
| 3.845 | V | AL JAZEERA | 4604 |
| 3.845 | V | ART AUSTRALIA | 4604 |

**INTELSAT 2**
**169.1 East**

| Freq GHz | Pol | Channel Name | Symbol rate |
|---|---|---|---|
| 12.281 | H | FTV | 3700 |
| ● 12.281 | V | ABC FM | 27500 |
| ● 12.281 | V | ABC RR | 27500 |
| 12.281 | V | ABC TV Northern | 27500 |
| ● 12.281 | V | ABC W TV , RR, RN | 27500 |
| ● 12.281 | V | ABC-W + RR | 27500 |
| ● 12.281 | V | GWN TV (WA) | 27500 |
| ● 12.281 | V | JJJ | 27500 |
| ● 12.281 | V | NAB | 27500 |
| ● 12.281 | V | SBS TV (WA) | 27500 |
| 12.281 | V | Win TV West | 27500 |
| ● 12.281 | V | WINWEST | 27500 |
| ● 12.281 | V | Italian Media | 27500 |
| ● 12.281 | V | ABC RN | 27500 |
| 12.400 | H | TVBS Newsnet | 3000 |
| 12.401 | V | Arirang TV | 4400 |
| 12.604 | V | JAXA/NASDA | 5429 |
| ● 12.401 | V | ArirangTV W1 | 4410 |

**AMC 23**
**172.0 East**

| Freq GHz | Pol | Channel Name | Symbol rate |
|---|---|---|---|
| 3.779 | H | Data | 26404 |

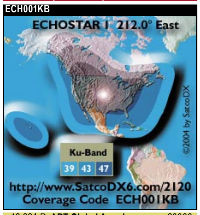
**INTELSAT 701**
**180.0 East**

| Freq GHz | Pol | Channel Name | Symbol rate |
|---|---|---|---|
| 4.055 | L | ABC Asia Pacific | 16500 |
| 4.055 | L | Cartoon Network (Aus | 16500 |
| 4.055 | L | CNN International | 16500 |
| 4.055 | L | Discovery Channel (N | 16500 |
| 4.055 | L | Fiji 1 | 16500 |
| 4.055 | L | MTV (Southeast Asia) | 16500 |
| 4.055 | L | Sky Entertainment | 16500 |
| 4.095 | L | Sky Multiplex | 16500 |
| 4.175 | L | AFRTS News | 3679 |
| 4.175 | L | AFRTS Pacific | 3679 |
| 4.175 | L | AFRTS Sports | 3679 |
| 11.060 | V | Cinefaz | 30000 |
| 11.060 | V | Infosport | 30000 |
| 11.060 | V | LCI | 30000 |
| 11.060 | V | M6 | 30000 |
| 11.060 | V | M6 Music | 30000 |
| 11.060 | V | Matavision | 30000 |
| 11.060 | V | Odyssee | 30000 |
| 11.060 | V | TeleToon | 30000 |
| 11.060 | V | TPS Star | 30000 |
| 11.060 | V | Tahiti Nui TV | 30000 |
| 11.060 | V | Europe 2 | 30000 |
| 11.060 | V | Radio Nostalgie | 30000 |
| 11.060 | V | Rire et Chansons | 30000 |
| 11.136 | V | France O | 23150 |
| 11.136 | V | Malakof | 23150 |
| 11.136 | V | RFO feeds | 23150 |
| 11.136 | V | RFO Tempo Nouvelle | 23150 |
| 11.136 | V | RFO Tempo Polynesie | 23150 |
| 11.136 | V | Tele Nouvelle Caledo | 23150 |
| 11.136 | V | Tele Polynesie | 23150 |
| 11.136 | V | Tele Wallis et Futun | 23150 |
| 11.514 | V | Cartoon Network | 30000 |
| 11.514 | V | Cinestar 2 | 30000 |
| 11.514 | V | CNN International | 30000 |
| 11.514 | V | Mangas | 30000 |
| 11.514 | V | RFO Tempo Tahiti tes | 30000 |
| 11.514 | V | RTL 9 | 30000 |
| 11.514 | V | TCM | 30000 |
| 11.514 | V | Teva | 30000 |
| 11.514 | V | TF1 | 30000 |
| 11.514 | V | TF6 | 30000 |
| 11.514 | V | TV Polynesie tests | 30000 |
| 11.514 | V | RFO Tempo Polynesie | 30000 |
| 11.514 | V | Tele Polynesie | 30000 |
| 11.514 | V | SkyRock | 30000 |
| 11.514 | V | Radio Polynesie | 30000 |
| 3.922 | L | SBN - Scholar Busi | 21200 |
| 3.922 | L | Thai TV 5 Global Net | 21200 |
| 10.975 | H | Action | 30000 |
| 10.975 | H | Canal+ Jaune | 30000 |
| 10.975 | H | Cinefaz | 30000 |
| 10.975 | H | Cinestar 1 | 30000 |
| 10.975 | H | Eurosport France | 30000 |
| 10.975 | H | Mezzo | 30000 |
| 10.975 | H | TF 6 | 30000 |
| 11.174 | H | France O | 23150 |
| 11.174 | H | Malakof | 23150 |
| 11.174 | H | RFO Feeds | 23150 |
| 11.174 | H | RFO Tempo Nouvelle | 23150 |
| 11.174 | H | RFO Tempo Polynesie | 23150 |
| 11.174 | H | Tele Nouvelle Caledo | 23150 |
| 11.174 | H | Tele Polynesie | 23150 |
| 11.174 | H | Tele Wallis et Futun | 23150 |
| 11.174 | H | France Culture | 23150 |
| 11.174 | H | France Inter | 23150 |
| 11.174 | H | Le Mouv Inter | 23150 |
| 11.174 | H | Radio Nouvelle Caled | 23150 |
| 11.174 | H | Radio Polynesie | 23150 |
| 11.610 | H | Canal+ Caledonie | 30000 |
| 11.610 | H | Cartoon Network | 30000 |
| 11.610 | H | Cine Cinemas | 30000 |
| 11.610 | H | Disney Channel | 30000 |
| 11.610 | H | Euronews | 30000 |
| 11.610 | H | LCI | 30000 |
| 11.610 | H | LEquipe TV | 30000 |
| 11.610 | H | M6 | 30000 |
| 11.610 | H | MCM | 30000 |
| 11.610 | H | Motors | 30000 |
| 11.610 | H | National Geographic | 30000 |
| 11.610 | H | Planete | 30000 |
| 11.610 | H | RFM TV | 30000 |
| 11.610 | H | RTL 9 | 30000 |
| 11.610 | H | Sport+ | 30000 |
| 11.610 | H | TCM | 30000 |
| 11.610 | H | Tele Caledonie | 30000 |
| 11.610 | H | TV5 | 30000 |
| 11.610 | H | Voyage | 30000 |
| 11.610 | H | XXL | 30000 |
| 11.610 | H | France O | 30000 |
| 11.610 | H | Europe 1 | 30000 |
| 12.648 | H | BBC World | 28066 |
| 12.648 | H | Discovery Channel (N | 28066 |
| 12.648 | H | EWTN (Asia) | 28066 |
| 12.648 | H | MUTV | 28066 |
| 12.648 | H | Nickelodeon (New Zea | 28066 |
| 12.648 | H | Pacific Sports Netwo | 28066 |
| 12.648 | H | PBS info card | 28066 |
| 12.648 | H | PTV 1 | 28066 |
| 12.648 | H | SET Asia | 28066 |
| 12.648 | H | VH1 (Australia) | 28066 |
| 12.648 | H | Zee Cinema (Australi | 28066 |
| 12.648 | H | Zee Music (Asia) | 28066 |
| 12.648 | H | Zee TV (Asia Pacific | 28066 |
| 12.648 | H | BBC World Service | 28066 |
| 12.648 | H | Radio 16 NTC | 28066 |
| 3.754 | R | Feeds | 6620 |
| 3.769 | R | Church TV | 20000 |
| 3.769 | R | Feeds | 20000 |
| 3.769 | R | JCTV | 20000 |
| 3.769 | R | Pacific TV feeds | 20000 |
| 3.769 | R | Pictures of Croatia | 20000 |
| 3.769 | R | TBN - Trinity Broa | 20000 |
| 3.793 | R | TV Globo Internation | 6111 |
| 3.793 | L | WDC_Enc3 | 5632 |
| 3.803 | R | NBC Solar 1 | 6111 |
| 3.815 | R | NBA Feeds | 6111 |
| 3.821 | R | Feeds (DSNG 2) | 6111 |
| 3.830 | R | Feeds (DSNG 3) | 6111 |
| 3.854 | R | NASA TV | 2000 |
| 3.885 | R | Ch. 10 - POR9-10, | 25000 |
| 3.885 | R | Ch. 150 - Alhurra (M | 25000 |
| 3.885 | R | Ch. 170 - MTN-I | 25000 |
| 3.885 | R | Ch. 22 - POR13-14, | 25000 |
| 3.885 | R | Ch. 8 - OS Downloa | 25000 |
| 3.885 | R | Ch. 9 - OS Downloa | 25000 |
| 3.885 | R | Ch. 90 - POR25-26, | 25000 |
| 3.885 | R | Ch. 91 - POR29-30, | 25000 |
| 3.885 | R | DEFAULT | 25000 |
| 3.885 | R | Ch. 100 - POR25-26 | 25000 |
| 3.885 | R | Ch. 120 - POR33-34 | 25000 |
| 3.885 | R | Ch. 121 - POR37-38 | 25000 |
| 3.885 | R | Ch. 130 - POR41-42 | 25000 |
| 3.885 | R | Ch. 131 - POR45-46 | 25000 |
| 3.885 | R | Ch. 140 - POR49-50 | 25000 |
| 3.885 | R | Ch. 141 - POR53-54 | 25000 |
| 3.885 | R | Ch. 151 - POR61-62 | 25000 |
| 3.885 | R | Ch. 171 - POR77-78 | 25000 |
| 3.885 | R | Ch. 36 - POR5-6, P | 25000 |
| 3.885 | R | CH. 40 - POR65-66, | 25000 |
| 3.885 | R | CH. 42- POR69-70, | 25000 |
| 3.928 | R | JCTV | 11394 |
| 3.928 | R | Smile of a Child | 11394 |
| 3.928 | R | TBN (USA) | 11394 |
| 3.928 | R | The Church Channel | 11394 |
| 4.024 | L | Prime TV | 6876 |
| 4.028 | R | Baccarat Game Channe | 3702 |
| 4.044 | R | Feed | 5632 |

**NSS 5**
**183.0 East (177.0 West)**

| Freq GHz | Pol | Channel Name | Symbol rate |
|---|---|---|---|
| 12.521 | H | ABC NSW | 14294 |
| 12.521 | H | ABC2 NSW | 14294 |
| 12.539 | H | ABC South | 14294 |
| 12.539 | H | ABC2 South Australia | 14294 |
| 12.556 | H | ABC Northern Territo | 14294 |
| 12.556 | H | ABC2 Northern Territ | 14294 |
| 12.574 | H | ABC Queensland | 14294 |
| 12.574 | H | ABC2 Queensland | 14294 |
| 12.604 | H | ABC Victoria | 14294 |
| 12.604 | H | ABC2 Victoria | 14294 |
| 12.612 | V | AD-Hoc | 28357 |
| 12.612 | V | ADHOC Channel. | 28357 |
| 12.612 | V | B Y U | 28357 |
| 12.612 | V | BYU TV | 28357 |
| 12.612 | V | Now TV | 28357 |
| 12.612 | V | STAR NEWS INDIA | 28357 |
| 12.612 | V | TV 5 Asie | 28357 |
| 12.612 | V | TV5 Monde Asie | 28357 |
| 12.612 | V | ZEE TV | 28357 |
| 12.612 | V | {Empty} | 28357 |
| 12.622 | H | SBS South East | 12600 |
| 12.622 | H | SBS EPG | 12600 |
| 12.622 | H | SBS NSW | 12600 |
| 12.622 | H | SBS World News Cha | 12600 |
| 12.640 | H | SBS Queensland | 12600 |
| 12.640 | H | SBS South | 12600 |
| 12.640 | H | SBS EPG | 12600 |
| 12.640 | H | SBS Queensland | 12600 |
| 12.640 | H | SBS South | 12600 |
| 12.640 | H | SBS World News Cha | 12600 |
| 12.658 | H | SBS package | 12600 |
| 4.185 | R | BYU TV | 4377 |
| 3.977 | L | AFN Family | 28000 |
| 3.977 | L | AFN Guide | 28000 |
| 3.977 | L | AFN Movies | 28000 |
| 3.977 | L | AFN News | 28000 |
| 3.977 | L | AFN Prime Atlantic | 28000 |
| 3.977 | L | AFN Prime Korea | 28000 |
| 3.977 | L | AFN Prime Pacific | 28000 |
| 3.977 | L | AFN Spectrum | 28000 |
| 3.977 | L | AFN Sports | 28000 |
| 3.977 | L | Pentagon Channel | 28000 |
| 3.977 | L | Adult Rock'n'Roll | 28000 |
| 3.977 | L | AFN Voice Channel | 28000 |
| 3.977 | L | Bright AC | 28000 |
| 3.977 | L | Contingency Channel | 28000 |
| 3.977 | L | Country Music | 28000 |
| 3.977 | L | ESPN Plus | 28000 |
| 3.977 | L | Fox Sports Plus | 28000 |
| 3.977 | L | Hot AC | 28000 |
| 3.977 | L | Newsreel | 28000 |
| 3.977 | L | NPR Worldwide (AFR | 28000 |
| 3.977 | L | Oldies Radio | 28000 |
| 3.977 | L | The Touch | 28000 |
| 3.977 | L | Z-Rock | 28000 |
| 3.920 | R | RFO-Tempo | 2893 |

**ECHOSTAR 1, 2**
**212.0 East (148.0 West)**
**ECH001KB**




| Freq GHz | Pol | Channel Name | Symbol rate |
|---|---|---|---|
| 12.224 | R | ART Global America | 20000 |
| 12.224 | R | ART Movies America | 20000 |
| 12.224 | R | Asia TV | 20000 |
| 12.224 | R | B4U Movies USA | 20000 |
| 12.224 | R | CCTV 4 | 20000 |
| 12.224 | R | LBC America | 20000 |
| 12.224 | R | Phoenix Chinese Nort | 20000 |
| 12.224 | R | The Israeli Network | 20000 |
| 12.224 | R | TV 5 | 20000 |
| 12.224 | R | Zee Gold | 20000 |
| 12.224 | R | Zee TV USA | 20000 |
| 12.239 | L | KBCB-TV | 20000 |
| 12.239 | L | KBTC-TV | 20000 |
| 12.239 | L | KGEB-TV | 20000 |
| 12.239 | L | KWDK-TV | 20000 |
| 12.239 | L | KWHB-TV | 20000 |
| 12.239 | L | KWOG (ShopNBC) | 20000 |
| 12.239 | L | Special 4 | 20000 |
| 12.253 | R | HBO HDTV | 20000 |
| 12.268 | L | KAZH-TV | 20000 |
| 12.268 | L | KFTH-TV | 20000 |
| 12.268 | L | KLTJ-TV | 20000 |
| 12.268 | L | KNWS-TV | 20000 |
| 12.268 | L | KTBU-TV | 20000 |
| 12.268 | L | KTMD-TV | 20000 |
| 12.268 | L | KVDA-TV | 20000 |
| 12.268 | L | KWEX-TV | 20000 |
| 12.268 | L | KXLN-TV | 20000 |
| 12.268 | L | KZJL-TV | 20000 |
| 12.282 | R | WGVU-TV | 20000 |
| 12.282 | R | WLLA-TV test card | 20000 |
| 12.282 | R | WOOD-TV | 20000 |
| 12.282 | R | WOTV-TV | 20000 |
| 12.282 | R | WTLJ-TV | 20000 |
| 12.282 | R | WWMT-TV | 20000 |
| 12.282 | R | WXMI-TV | 20000 |
| 12.282 | R | WZPX-TV | 20000 |
| 12.282 | R | WZZM-TV | 20000 |
| 12.297 | L | KDTP-TV | 20000 |
| 12.297 | L | KINC-TV | 20000 |
| 12.297 | L | KPHZ-TV | 20000 |
| 12.297 | L | KTVW-TV | 20000 |
| 12.297 | L | KUVS-TV | 20000 |
| 12.311 | R | Antenna Satellite | 20000 |
| 12.311 | R | Arirang TV World 2 | 20000 |
| 12.311 | R | ERT Sat | 20000 |
| 12.311 | R | Mega Cosmos | 20000 |
| 12.311 | R | NTV International | 20000 |
| 12.311 | R | NTV Plus | 20000 |
| 12.311 | R | International Promot | 20000 |
| 12.326 | L | KDTN-TV | 20000 |
| 12.326 | L | KFWD-TV | 20000 |
| 12.326 | L | KLDT-TV | 20000 |
| 12.326 | L | KMPX-TV | 20000 |
| 12.326 | L | KSTR-TV | 20000 |
| 12.326 | L | KUVN-TV | 20000 |
| 12.326 | L | KXTX-TV | 20000 |
| 12.326 | L | WZPX-TV | 20000 |
| 12.341 | R | EDTV Channel Europ | 20000 |
| 12.341 | R | ESC 1 USA | 20000 |
| 12.341 | R | Future TV USA | 20000 |
| 12.341 | R | Nile Drama | 20000 |
| 12.341 | R | PTV Prime | 20000 |
| 12.341 | R | Soccer | 20000 |
| 12.370 | R | RAI International 1& | 20000 |
| 12.370 | R | Rede Record Internac | 20000 |
| 12.370 | R | SET USA | 20000 |
| 12.370 | R | TV Asia | 20000 |
| 12.370 | R | TV Globo Internacion | 20000 |
| 12.370 | R | TV Japan | 20000 |
| 12.399 | R | KCBS-DT | 20000 |
| 12.428 | R | Dish 4 Showroom Prom | 20000 |
| 12.428 | R | Gem Shopping Network | 20000 |
| 12.428 | R | HD PPV | 20000 |
| 12.428 | R | Shop at Home | 20000 |
| 12.457 | R | Showtime HDTV East | 20000 |
| 12.486 | R | Al Jazeera | 20000 |
| 12.486 | R | PolSat 2 Internation | 20000 |
| 12.486 | R | TVN 24 | 20000 |
| 12.516 | R | KADY-TV | 20000 |
| 12.516 | R | KAZA-TV | 20000 |
| 12.516 | R | KDOC-TV | 20000 |
| 12.516 | R | KFTR-TV | 20000 |
| 12.516 | R | KHIZ-TV | 20000 |
| 12.516 | R | KLCS-TV | 20000 |
| 12.516 | R | KOCE-TV | 20000 |
| 12.516 | R | KRCA-TV | 20000 |
| 12.516 | R | KSCI-TV | 20000 |
| 12.516 | R | KVCR-TV | 20000 |
| 12.516 | R | KVEA-TV | 20000 |
| 12.545 | R | Business TV | 20000 |
| 12.545 | R | ETC 1 | 20000 |
| 12.545 | R | ETC 2 | 20000 |
| 12.545 | R | Special 1 | 20000 |
| 12.545 | R | Special 2 | 20000 |
| 12.545 | R | Special 3 | 20000 |
| 12.574 | R | KAZQ-TV | 20000 |
| 12.574 | R | KCHF-TV | 20000 |
| 12.574 | R | KJLA-TV | 20000 |
| 12.574 | R | KLUZ-TV | 20000 |
| 12.574 | R | KTEL-TV | 20000 |
| 12.574 | R | KVMD-TV | 20000 |
| 12.574 | R | KWHY-TV | 20000 |
| 12.574 | R | KXLA-TV | 20000 |
| 12.603 | R | KCSM-TV | 20000 |
| 12.603 | R | KDTV-TV | 20000 |
| 12.603 | R | KFSF-TV | 20000 |
| 12.603 | R | KMPT-TV | 20000 |
| 12.603 | R | KRCB-TV | 20000 |
| 12.603 | R | KRON-TV | 20000 |
| 12.603 | R | KSTS-TV | 20000 |
| 12.603 | R | KTEH-TV | 20000 |
| 12.603 | R | KTNC-TV | 20000 |
| 12.603 | R | KTSF-TV | 20000 |
| 12.632 | R | KBDI-TV | 20000 |
| 12.632 | R | KCEC-TV | 20000 |
| 12.632 | R | KDEN-TV | 20000 |
| 12.632 | R | KMAS-TV | 20000 |
| 12.632 | R | KRMT-TV | 20000 |
| 12.632 | R | KTVJ-TV | 20000 |
| 12.632 | R | KWHD-TV | 20000 |
| 12.661 | R | Dish-On Demand PPV | 20000 |
| 12.661 | R | Events PPV | 20000 |
| 12.661 | R | Florida Educational | 20000 |
| 12.661 | R | Good Samaritan Netwo | 20000 |
| 12.661 | R | Safety Net | 20000 |
| 12.661 | R | Sport PPV | 20000 |
| 12.661 | R | The Hot Zone | 20000 |
| 12.661 | R | Adult Guard Promo | 20000 |

**C-Band: AMC 8**
**221.0 East (139.0 West)**
**AMC008CB**

| Freq GHz | Pol | Channel Name | Symbol rate |
|---|---|---|---|
| 3.783 | H | KTOO-TV Juneau, Al | 4200 |
| 4.059 | H | Gavel To Gavel Netwo | 8100 |
| 4.059 | H | Nasa TV | 8100 |
| 4.059 | H | Alaska Public Radio | 8100 |
| 4.105 | V | Feeds | 5025 |
| 4.168 | H | ARCS | 4200 |
| 4.168 | H | TEST 2 | 4200 |
| 4.168 | H | True Country | 4200 |

**C-Band: AMC 7**
**223.0 East (137.0 West)**
**AMC007CB**

| Freq GHz | Pol | Channel Name | Symbol rate |
|---|---|---|---|
| 3.880 | H | KAKM-TV Anchorage | 25196 |
| 3.880 | H | KIMO-TV Anchorage | 25196 |
| 3.880 | H | KTBY-TV Anchorage | 25196 |
| 3.880 | H | KTUU-TV Anchorage | 25196 |
| 3.880 | H | KTVA-TV Anchorage | 25196 |
| 3.880 | H | KYES-TV Anchorage | 25196 |
| 4.100 | V | Feed | 6500 |

**C-Band: AMC 10**
**225.0 East (135.0 West)**
**AMC010CB**

| Freq GHz | Pol | Channel Name | Symbol rate |
|---|---|---|---|
| 3.720 | V | Food Network | 29270 |
| 3.720 | V | HGTV East | 29270 |
| 3.720 | V | Shop at Home TV | 29270 |
| 3.740 | H | Bravo US | 19510 |
| 3.740 | H | ESPN Classic | 19510 |
| 3.740 | H | HBO 2 West | 19510 |
| 3.740 | H | HBO Signature West | 19510 |
| 3.740 | H | HGTV US | 19510 |
| 3.740 | H | Love Stories West | 19510 |
| 3.740 | H | Mystery West | 19510 |
| 3.740 | H | Showtime Too West | 19510 |
| 3.740 | H | Starz! Theater West | 19510 |
| 3.740 | H | The History Channel | 19510 |
| 3.740 | H | The Movie Channel We | 19510 |
| 3.740 | H | Westerns West | 19510 |
| 3.780 | H | Galavision USA Este | 29200 |
| 3.780 | H | Galavision USA Oeste | 29200 |
| 3.780 | H | TeleFutura | 29200 |
| 3.780 | H | Univision Este | 29200 |
| 3.783 | V | The California Chann | 3000 |
| 3.800 | V | Black Starz! West | 19510 |
| 3.800 | V | Encore West | 19510 |
| 3.800 | V | MoviePlex East | 19510 |
| 3.800 | V | MoviePlex West | 19510 |
| 3.800 | V | Starz! Cinema West | 19510 |
| 3.800 | V | Starz! Family West | 19510 |
| 3.800 | V | Starz! Kids West | 19510 |
| 3.800 | V | Starz! Theater West | 19510 |
| 3.800 | V | Starz! West | 19510 |
| 3.800 | V | WAM! West | 19510 |
| 3.840 | V | In HD | 19510 |
| 3.840 | V | In HD2 | 19510 |
| 3.860 | H | Test Card | 19510 |
| 3.860 | H | TV Guide | 19510 |
| 3.920 | V | MTV East | 29270 |
| 3.920 | V | VH1 East | 29270 |
| 3.956 | H | G4 Tech TV US | 4000 |
| 3.980 | H | Animal Planet | 29270 |
| 3.980 | H | BBC America West | 29270 |
| 3.980 | H | Discovery Channel We | 29270 |
| 3.980 | H | Discovery HD Theater | 29270 |
| 3.980 | H | Discovery Health | 29270 |
| 3.980 | H | The Learning Channel | 29270 |
| 3.980 | H | The Travel Channel | 29270 |
| 4.020 | H | Cine Latino | 19510 |
| 4.020 | H | CNN en Espanol | 19510 |
| 4.020 | H | Discovery Espanol | 19510 |
| 4.020 | H | Fox Sports World Esp | 19510 |
| 4.020 | H | HBO Latino | 19510 |
| 4.020 | H | HTV | 19510 |
| 4.020 | H | MTV Spanish | 19510 |
| 4.020 | H | Telemundo Internacio | 19510 |
| 4.020 | H | Toon Disney | 19510 |
| 4.020 | H | Utilisima Satelital | 19510 |
| 4.020 | H | VH Uno | 19510 |
| 4.020 | H | Fiesta Tropicana | 19510 |
| 4.020 | H | Latin Contemporary | 19510 |
| 4.020 | H | Latin Jazz | 19510 |
| 4.020 | H | Musica de las Americ | 19510 |
| 4.020 | H | Regional Mexican | 19510 |
| 4.020 | H | Rock en Espanol | 19510 |
| 4.020 | H | Salsa | 19510 |
| 4.020 | H | Tejano | 19510 |
| 4.060 | H | In Demand 10 | 19510 |
| 4.060 | H | In Demand 11 | 19510 |
| 4.060 | H | In Demand 12 | 19510 |
| 4.060 | H | In Demand 13 | 19510 |
| 4.060 | H | In Demand 14 | 19510 |
| 4.060 | H | In Demand 7 | 19510 |
| 4.060 | H | In Demand 8 | 19510 |
| 4.060 | H | In Demand 9 | 19510 |
| 4.060 | H | In Demand Barker | 19510 |
| 4.067 | V | C-SPAN 3 | 5000 |
| 4.100 | H | Showtime HD East | 29270 |
| 4.100 | H | The Movie Channel HD | 29270 |
| 4.180 | H | The Weather Channel | 29270 |

**C-Band: GALAXY 15**
**227.0 East (133.0 West)**

| Freq GHz | Pol | Channel Name | Symbol rate |
|---|---|---|---|
| 3.740 | V | Galavision USA Este | 24570 |
| 3.740 | V | Univision Este | 24570 |
| 3.740 | V | Univision Oeste | 24570 |
| 3.740 | V | Univision Package | 24570 |
| 3.760 | H | Action East | 19510 |
| 3.760 | H | Action West | 19510 |
| 3.760 | H | Encore East | 19510 |
| 3.760 | H | Love Stories East | 19510 |
| 3.760 | H | Love Stories West | 19510 |
| 3.760 | H | Mystery East | 19510 |
| 3.760 | H | Mystery West | 19510 |
| 3.760 | H | True Stories East | 19510 |
| 3.760 | H | True Stories West | 19510 |
| 3.760 | H | Westerns East | 19510 |
| 3.760 | H | Westerns West | 19510 |
| 3.780 | V | Do-It-Yourself Netwo | 19510 |
| 3.780 | V | Fine Living | 19510 |
| 3.780 | V | Food Network TV | 19510 |
| 3.780 | V | HGTV East | 19510 |
| 3.780 | V | HGTV West | 19510 |
| 3.880 | H | ESPN | 29270 |
| 3.880 | H | ESPN 2 | 29270 |
| 3.880 | H | ESPN 2 Alternate | 29270 |
| 3.880 | H | ESPN Alternate | 29270 |
| 3.960 | H | Black Starz! East | 19510 |
| 3.960 | H | Encore East | 19510 |
| 3.960 | H | Encore West | 19510 |
| 3.960 | H | Starz! Cinema East | 19510 |
| 3.960 | H | Starz! Cinema West | 19510 |
| 3.960 | H | Starz! East | 19510 |
| 3.960 | H | Starz! Family East | 19510 |
| 3.960 | H | Starz! Kids East | 19510 |
| 3.960 | H | Starz! Theater East | 19510 |
| 3.960 | H | Starz! West | 19510 |
| 3.960 | H | WAM! East | 19510 |
| 4.000 | H | Cartoon Network East | 29270 |
| 4.000 | H | CNN Headline News | 29270 |
| 4.000 | H | CNN USA | 29270 |
| 4.000 | H | TBS East | 29270 |
| 4.000 | H | TNT East | 29270 |
| 4.020 | V | Boomerang | 29270 |
| 4.020 | V | Cartoon Network West | 29270 |
| 4.020 | V | CNN Airport Network | 29270 |
| 4.020 | V | CNN en Espanol | 29270 |
| 4.020 | V | CNN Headline News | 29270 |
| 4.020 | V | CNN Inernational | 29270 |
| 4.020 | V | CNN USA | 29270 |
| 4.020 | V | TBS Canada | 29270 |
| 4.020 | V | TBS West | 29270 |
| 4.020 | V | TCM US | 29270 |
| 4.020 | V | TNT West | 29270 |
| 4.020 | V | Turner South | 29270 |
| 4.025 | H | I-Life TV | 4880 |
| 4.060 | V | @Max East | 29270 |
| 4.060 | V | HBO Comedy East | 29270 |
| 4.060 | V | HBO Comedy West | 29270 |
| 4.060 | V | HBO Zone East | 29270 |
| 4.060 | V | HBO Zone West | 29270 |
| 4.060 | V | Outer Max East | 29270 |
| 4.060 | V | Star Max East | 29270 |
| 4.060 | V | ThrillerMax East | 29270 |
| 4.060 | V | ThrillerMax West | 29270 |
| 4.060 | V | WMax East | 29270 |
| 4.140 | V | American Life TV Net | 29270 |
| 4.140 | V | CSTV - College Spo | 29270 |
| 4.140 | V | TV One | 29270 |
| 4.140 | V | JCTV | 29270 |
| 4.140 | V | MTV Jams | 29270 |
| 4.140 | V | The Church Channel | 29270 |
| 4.160 | H | ActionMax East | 29270 |
| 4.160 | H | ActionMax West | 29270 |
| 4.160 | H | Cinemax East | 29270 |
| 4.160 | H | Cinemax West | 29270 |
| 4.160 | H | HBO 2 East | 29270 |
| 4.160 | H | HBO 2 West | 29270 |
| 4.160 | H | HBO East | 29270 |
| 4.160 | H | HBO Family East | 29270 |
| 4.160 | H | HBO Family West | 29270 |
| 4.160 | H | HBO Latino East | 29270 |
| 4.160 | H | HBO Latino West | 29270 |
| 4.160 | H | HBO Signature East | 29270 |
| 4.160 | H | HBO Signature West | 29270 |
| 4.160 | H | HBO West | 29270 |
| 4.160 | H | MoreMax East | 29270 |
| 4.160 | H | MoreMax West | 29270 |
| 4.180 | H | Americas Store | 29270 |
| 4.180 | H | SciFi East | 29270 |
| 4.180 | H | SciFi West | 29270 |
| 4.180 | H | Trio | 29270 |
| 4.180 | H | USA East | 29270 |
| 4.180 | H | USA West | 29270 |

**C-Band: AMC 11**
**229.0 East (131.0 West)**
**AMC011CB**

| Freq GHz | Pol | Channel Name | Symbol rate |
|---|---|---|---|
| 3.720 | V | National Geographic | 30000 |
| 3.720 | V | Speed Channel | 30000 |
| 3.720 | V | Speed Channel Feeds | 30000 |
| 3.720 | V | Fox Feeds | 30000 |
| 3.720 | V | Fox Movie Channel | 30000 |
| 3.720 | V | Fox Sports World | 30000 |
| 3.720 | V | Fox Sports World Esp | 30000 |
| 3.760 | V | Fine Living | 19510 |
| 3.760 | V | Hot Choice | 19510 |
| 3.760 | V | In Demand 1 | 19510 |
| 3.760 | V | In Demand 2 | 19510 |
| 3.760 | V | In Demand 3 | 19510 |
| 3.760 | V | In Demand 4 | 19510 |
| 3.760 | V | In Demand 5 | 19510 |
| 3.760 | V | In Demand 6 | 19510 |
| 3.760 | V | Pleasure | 19510 |
| 3.780 | H | Lifetime Movie Netwo | 29200 |
| 3.780 | H | Lifetime Real Women | 29200 |
| 3.780 | H | Lifetime West | 29200 |
| 3.800 | V | Hallmark Channel US | 29200 |
| 3.800 | V | Hallmark Channel US | 29200 |
| 3.800 | V | Altitude 25 | 29200 |
| 3.800 | V | Altitude 26 | 29200 |
| 3.800 | V | Altitude 27 | 29200 |
| 3.820 | H | Court TV East (VC | 19510 |
| 3.820 | H | Court TV West (VC | 19510 |
| 3.820 | H | Atlantic Satellite | 19510 |
| 3.820 | H | North West Cable N | 19510 |
| 3.860 | H | E! TV West | 26470 |
| 3.860 | H | GSN - Game Show Ne | 26470 |
| 3.860 | H | GSN - Game Show Ne | 26470 |
| 3.860 | H | Hallmark Channel Eas | 26470 |
| 3.860 | H | PBS Kids Sprout | 26470 |
| 3.860 | H | Style East | 26470 |
| 3.860 | H | Style West | 26470 |
| 3.860 | H | WE - Women's Enterta | 26470 |
| 3.860 | H | Wisdom TV | 26470 |
| 3.860 | H | Bloomberg TV US | 26470 |
| 3.880 | V | Do-It-Yourself Netwo | 19510 |
| 3.880 | V | Fine Living | 19510 |
| 3.880 | V | Food Network East | 19510 |
| 3.880 | V | Food Network West | 19510 |
| 3.880 | V | HGTV West | 19510 |
| 3.913 | H | America's Store | 4000 |
| 3.940 | H | A&E East | 29270 |
| 3.940 | H | A&E West | 29270 |
| 3.940 | H | Crime & Investigatio | 29270 |
| 3.940 | H | Military History Cha | 29270 |
| 3.940 | H | The History Channel | 29270 |
| 3.940 | H | The History Channel | 29270 |
| 3.940 | H | The History Channel | 29270 |
| 3.980 | H | NESN - Boston | 29270 |
| 3.980 | H | NESN - Feeds | 29270 |
| 3.980 | H | NESN - HD | 29270 |
| 3.980 | H | NESN - New England | 29270 |
| 3.980 | H | Boston Catholic TV | 29270 |
| 3.980 | H | Boston Catholic TV | 29270 |
| 3.995 | V | Viacom Package | 19510 |
| 4.015 | H | Showtime Package | 19510 |
| 4.020 | H | Discovery Espanol | 29270 |
| 4.020 | H | Discovery Health Cha | 29270 |
| 4.020 | H | Discovery Kids Ameri | 29270 |
| 4.020 | H | Discovery Travel and | 29270 |
| 4.020 | H | The Learning Channel | 29270 |
| 4.060 | H | CMT East | 29270 |
| 4.060 | H | CMT West | 29270 |
| 4.060 | H | The New TNN East | 29270 |
| 4.060 | H | TV Land East | 29270 |
| 4.060 | H | TV Land West | 29270 |
| 4.075 | V | Showtime Package | 19510 |
| 4.100 | H | Mun 2 East | 29270 |
| 4.100 | H | GAC - Great Americ | 29270 |
| 4.100 | H | PIN - Product Info | 29270 |
| 4.100 | H | Test Card | 29270 |
| 4.140 | H | BBC America (VC 70 | 19510 |
| 4.140 | H | Discovery Civilizati | 19510 |
| 4.140 | H | Discovery Health (VC | 19510 |
| 4.140 | H | Discovery Home & L | 19510 |
| 4.140 | H | Discovery Kids (VC 6 | 19510 |
| 4.140 | H | Discovery Wings (VC | 19510 |
| 4.140 | H | The Science Channel | 19510 |
| 4.140 | H | Discovery Espanol (V | 19510 |
| 4.140 | H | Fit TV (VC 616) | 19510 |

**GALAXY 27**
**231.0 East (129.0 West)**

| Freq GHz | Pol | Channel Name | Symbol rate |
|---|---|---|---|
| 3.974 | V | Test Card | 5632 |
| 11.964 | H | White Springs TV | 2920 |

**ECHOSTAR 5**
**231.1 East (128.9 West)**
**ECH005KB**

| Freq GHz | Pol | Channel Name | Symbol rate |
|---|---|---|---|
| 12.224 | R | DishNetwork | 21500 |

**HORIZONS 1**
**233.0 East (127.0 West)**
**HOR001KB**

| Freq GHz | Pol | Channel Name | Symbol rate |
|---|---|---|---|
| 11.720 | H | Asia After Dark | 26800 |
| 11.720 | H | CCTV 4 | 26800 |
| 11.720 | H | Chongqing TV | 26800 |
| 11.720 | H | CQTV | 26800 |
| 11.720 | H | CSFJ | 26800 |
| 11.720 | H | CSGD | 26800 |
| 11.720 | H | DAAI | 26800 |
| 11.720 | H | Fujian TV | 26800 |
| 11.720 | H | Guangdong TV | 26800 |
| 11.720 | H | HNTV | 26800 |
| 11.720 | H | IFTV | 26800 |
| 11.720 | H | Liaoning TV | 26800 |
| 11.720 | H | SKL1 | 26800 |
| 11.720 | H | Pacvia TV | 26800 |
| 11.720 | H | PiTV | 26800 |
| 11.720 | H | Sky Link TV | 26800 |
| 3.800 | V | BBC NA MPEG | 27690 |
| 3.800 | V | Bethel TV | 27690 |
| 3.800 | V | Caribevision | 27690 |
| 3.800 | V | D9228 Upgrade | 27690 |
| 3.800 | V | Mega TV | 27690 |
| 3.800 | V | Shop Latino TV | 27690 |
| 3.800 | V | Caracol TV (Audio On | 27690 |

**C-Band: GALAXY 14**
**235.0 East (125.0 West)**

| Freq GHz | Pol | Channel Name | Symbol rate |
|---|---|---|---|
| 3.765 | V | The Golf Channel US | 3600 |
| 3.975 | H | CNBC US | 4400 |
| 4.120 | H | Lifetime East HD | 29270 |
| 4.120 | H | Lifetime West HD | 29270 |
| 4.120 | H | Lifetime East | 29270 |
| 4.120 | H | Lifetime Movie | 29270 |
| 4.120 | H | Lifetime West | 29270 |
| 4.120 | H | Lifetime Women | 29270 |
| 3.720 | H | TBN HD | 26666 |
| 3.720 | H | TBN_HD_Dolby | 26666 |
| 3.720 | H | Enlace | 26666 |
| 3.720 | H | JCTV | 26666 |
| 3.720 | H | SOAC | 26666 |
| 3.720 | H | Spare | 26666 |
| 3.720 | H | TBN_sd | 26666 |
| 3.720 | H | TCC | 26666 |
| 3.780 | V | Golf HD | 29270 |
| 3.780 | V | International | 29270 |
| 3.960 | H | WGN HD | 29270 |

**North America**
**GALAXY 18**
**237.0 East (123.0 West)**

| Freq GHz | Pol | Channel Name | Symbol rate |
|---|---|---|---|
| ● 11.720 | V | DAYSTAR-C | 27692 |
| ● 11.720 | V | KUKC | 27692 |
| ● 11.720 | V | KUOKb | 27692 |
| ● 11.720 | V | KUTU | 27692 |
| ● 11.720 | V | KWSD | 27692 |
| ● 11.720 | V | KWWF | 27692 |
| ● 11.720 | V | RTN NETWORK | 27692 |
| ● 11.720 | V | WBTW | 27692 |
| ● 11.720 | V | WMAK-DT | 27692 |
| ● 11.720 | V | WMQF CBAND | 27692 |
| ● 11.720 | V | WNGS-C | 27692 |
| ● 11.720 | V | WRAZ-DT | 27692 |
| ● 11.720 | V | WUDT | 27692 |
| ● 11.720 | V | WUVF C | 27692 |
| ● 11.720 | V | WZLE | 27692 |
| ● 11.732 | H | Channel Four | 13240 |
| 11.732 | H | Channel One | 13240 |
| 11.732 | H | Channel Two | 13240 |
| 11.732 | H | Channel Three-VBA | 13240 |
| 11.798 | V | DAYSTAR | 26657 |
| ● 11.798 | V | DAYSTAR-C | 26657 |
| ● 11.798 | V | KUKC | 26657 |
| ● 11.798 | V | KUOKb | 26657 |
| ● 11.798 | V | KUTU | 26657 |
| ● 11.798 | V | KWSD | 26657 |
| ● 11.798 | V | RTN NETWORK | 26657 |
| ● 11.798 | V | WBIF C | 26657 |
| ● 11.798 | V | WBTW | 26657 |
| ● 11.798 | V | WMAK-DT | 26657 |
| ● 11.798 | V | WMQF CBAND | 26657 |
| ● 11.798 | V | WNGS-C | 26657 |
| ● 11.798 | V | WRAZ-DT | 26657 |
| ● 11.798 | V | WUDT | 26657 |
| ● 11.798 | V | WUVF C | 26657 |
| ● 11.798 | V | WZLE | 26657 |
| 11.805 | H | Feeds ({Empty Name}) | 4580 |
| ● 11.905 | V | CH 1 | 4352 |
| 12.078 | V | KBS WORLD | 3680 |
| 12.104 | V | SNG | 2222 |
| 12.114 | V | RETROJAMS | 4340 |
| 12.114 | V | KBZT | 4340 |
| ● 11.731 | H | Channel Four | 13240 |
| 11.731 | H | Channel One | 13240 |
| 11.731 | H | Channel Two | 13240 |
| 11.731 | H | Channel Three-VBA | 13240 |
| ● 11.855 | V | 3C Community | 5000 |
| ● 11.855 | V | 3CTV | 5000 |
| ● 11.855 | V | Freedom | 5000 |
| ● 11.855 | V | TimeShift | 5000 |
| ● 11.935 | V | CH 1 | 5168 |
| ● 11.965 | V | AAJ-TV HD | 7234 |
| ● 11.965 | V | AVT KHYBER | 7234 |
| ● 11.965 | V | HUM-TV HD | 7234 |
| ● 11.965 | V | WAQT-TV | 7234 |
| ● 11.965 | V | PEACE TV HD | 7234 |
| ● 11.965 | V | TVONE HD | 7234 |
| ● 12.110 | V | Service 2 | 3400 |
| ● 12.136 | V | CEA | 2666 |



**TV** Digital
**Radio** Digital
**TV** Digital Crypt
**Radio** Digital Crypt
**TV** High Definition
**TV** High Definition Crypt

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| North America | 3.940 V Boleros 19510 | 4.100 H C-SPAN 3 29270 |
| C-Band: GALAXY 10R | 3.940 V Brazilian Pop 19510 | 4.120 V ESPN PPV1 29270 |
| 237.1 East (122.9 West) | 3.940 V Classic Country 19510 | 4.120 V ESPN PPV2 29270 |
| 3.795 V Flix West 19510 | 3.940 V Classic R&B 19510 | 4.120 V ESPN PPV3 29270 |
| 3.795 V Showtime Beyond West 19510 | 3.940 V Contemporary Christi 19510 | 4.120 V ESPN PPV4 29270 |
| 3.795 V Showtime Extreme Wes 19510 | 3.940 V Dance 19510 | 4.120 V ESPN PPV5 29270 |
| 3.795 V Showtime Showcase We 19510 | 3.940 V Folklorica 19510 | 4.120 V ESPN PPV6 29270 |
| 3.795 V Showtime Too West 19510 | 3.940 V International Love S 19510 | 4.140 H ESPN 2 HD 29270 |
| 3.795 V Showtime West 19510 | 3.940 V Jazz 19510 | 4.140 H ESPN HD 29270 |
| 3.795 V Sundance Channel Wes 19510 | 3.940 V Lite Classical 19510 | 4.140 H ESPN HD Alternate 29270 |
| 3.795 V The Movie Channel We 19510 | 3.940 V Metal 19510 | 4.160 V A&E East 29270 |
| 3.795 V The Movie Channel Xt 19510 | 3.940 V Showcase 2 19510 | 4.160 V A&E West 29270 |
| 3.812 V Showtime Family West 9760 | 3.940 V Soft Rock 19510 | 4.160 V Military History Cha 29270 |
| 3.812 V Showtime Next West 9760 | 3.940 V Tejano 19510 | 4.160 V The History Channel 29270 |
| 3.812 V Showtime Women West 9760 | 3.940 V Tropical 19510 | 4.160 V The History Channel 29270 |
| 3.837 V TVN 2 19510 | 3.940 V Worldbeat 19510 | 4.160 V The History Channel 29270 |
| 3.837 V TVN 3 19510 | 3.960 V TVN 33 19510 | 4.180 H The Outdoor Channel 29270 |
| 3.837 V TVN 4 19510 | 3.960 V TVN Action 19510 | 4.180 H JLTV 29270 |
| 3.837 V TVN 5 19510 | 3.960 V TVN Events Electric 19510 | 4.180 H The Outdoor CH Eas 29270 |
| 3.837 V TVN 6 19510 | 3.960 V TVN HotBody 19510 | 4.180 H The Outdoor CH Eas 29270 |
| 3.837 V TVN 7 19510 | 3.960 V TVN Passion Soft 19510 | 4.180 H The Outdoor CH Wes 29270 |
| 3.837 V TVN 8 19510 | 3.960 V TVN TeleNuestros 19510 | 4.180 H The Outdoor CH Wes 29270 |
| 3.837 V TVN 9 19510 | 3.960 V GRTV 2 19510 | ECHOSTAR 9 |
| 3.840 V unknown 26470 | 3.960 V GRTV 3 19510 | 239.0 East (121.0 West) |
| 3.880 V 70s Oldies 29270 | 3.960 V GRTV 4 19510 | ECH009KB |
| 3.880 V 80s Hits 29270 | 3.960 V 70's Oldies 19510 | |
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| 3.880 V Album Rock 29270 | 3.960 V Adult Contemporary 19510 | 239.1 East (120.9 West) |
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| 3.880 V Beautiful Instrument 29270 | 3.960 V Alternative Rock 19510 | 3.714 H Cox Sports TV 4340 |
| 3.880 V Blues 29270 | 3.960 V Beautiful Instrument 19510 | 3.719 H TVW 1 3000 |
| 3.880 V Children's 29270 | 3.960 V Blues 19510 | 3.724 H The Sportsmans Chann 3000 |
| 3.880 V Classic R&B 29270 | 3.960 V Cable Radio 1 19510 | 3.727 V MASN 6065 |
| 3.880 V Classic Rock 29270 | 3.960 V Cable Radio 2 Sport 19510 | 3.732 V In Demand 13235 |
| 3.880 V Contemporary Christi 29270 | 3.960 V Cable Radio 3 Talk R 19510 | 3.751 H ETV Bangla 8385 |
| 3.880 V Dance 29270 | 3.960 V Cable Radio 4 Lifest 19510 | 3.751 H ETV Gujarati 8385 |
| 3.880 V Flashback New Wave 29270 | 3.960 V Cable Radio 5 Law&Or 19510 | 3.751 H ETV Telugu 8385 |
| 3.880 V Folk Rock 29270 | 3.960 V Cable Radio 6 Issues 19510 | 3.765 H In Demand 19510 |
| 3.880 V Golden Oldies 29270 | 3.960 V Children's 19510 | 3.778 H ImaginAsian TV 1860 |
| 3.880 V Gospel 29270 | 3.960 V Classic R&B 19510 | 3.780 V In Demand 22500 |
| 3.880 V Great Standards 29270 | 3.960 V Classic Rock 19510 | 3.800 H Hot Net Plus 19510 |
| 3.880 V Hard Rock 29270 | 3.960 V Contemporary Christi 19510 | 3.800 H Playboy TV Classic 19510 |
| 3.880 V Holiday Happenings 29270 | 3.960 V Dance 19510 | 3.800 H Playboy TV en Espano 19510 |
| 3.880 V Hottest Hits 29270 | 3.960 V Flashback New Wave 19510 | 3.800 H Spice Hot 19510 |
| 3.880 V Jazz 29270 | 3.960 V Folk Rock 19510 | 3.800 H Spice Live 19510 |
| 3.880 V Latin Contemporary 29270 | 3.960 V Golden Oldies 19510 | 3.800 H Spice Platinum 19510 |
| 3.880 V Listening Room 29270 | 3.960 V Gospel 19510 | 3.815 V TBN Enlace USA 19510 |
| 3.880 V Lite Classical 29270 | 3.960 V Great Standards 19510 | 3.815 V TV Superstore 19510 |
| 3.880 V Modern Country 29270 | 3.960 V Hard Rock 19510 | 3.832 V OlympuSat Package 19510 |
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| 3.880 V Rap 29270 | 3.960 V Hot Country 19510 | 3.900 V DOCUTVE 27684 |
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| 3.880 V Regional Mexican 29270 | 3.960 V Jazz 19510 | 3.900 V TVEA2 27684 |
| 3.880 V Retro Dance 29270 | 3.960 V Latin Contemporary 19510 | 3.900 V AJE 27684 |
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| 3.880 V Smooth Jazz 29270 | 3.960 V New Age 19510 | 3.900 V REE 27684 |
| 3.880 V Soft Hits 29270 | 3.960 V Rap 19510 | 3.900 V RNE1 27684 |
| 3.880 V Swing 29270 | 3.960 V Reggae 19510 | 3.900 V RNE3 27684 |
| 3.880 V Symphonic 29270 | 3.960 V Retro Dance 19510 | 3.900 V RNE5 27684 |
| 3.880 V Tejano 29270 | 3.960 V Rock 'n' Blues 19510 | 3.940 V APTN Test Card 29270 |
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| 3.940 V TVND Theatre 21 19510 | 3.975 H Showtime Woman West 19510 | |
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| 3.940 V TVND Theatre 23 19510 | 4.100 H ESPN Desportes 29270 | |
| 3.940 V TVND Theatre 24 19510 | 4.100 H ESPNews 29270 | |
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| 3.940 V Atmospheres 19510 | 4.100 H SoapNet 29270 | |

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| 3.980 V Lifetime MPEG Audi 27690 | 12.224 R KOTV-TV 20000 | 12.268 L Urban Adult 20000 |
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| 4.000 H Spice 2 19510 | 12.224 R KWBP-TV 20000 | 12.282 R KHOU-TV 20000 |
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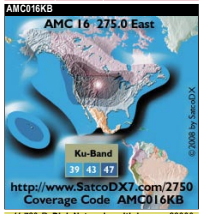
| 4.000 H The Hot Zone 19510 | 12.224 R WCAX-TV 20000 | 12.282 R KNXV-TV 20000 |
| 4.000 H The Tennis Channel 19510 | 12.224 R WCVB-TV 20000 | 12.282 R KPHO-TV 20000 |
| 4.000 H CRN 1 19510 | 12.224 R WDAF-TV 20000 | 12.282 R KPLR-TV 20000 |
| 4.000 H CRN 2 - Sports Talk 19510 | 12.224 R WETK-TV 20000 | 12.282 R KPNX-TV 20000 |
| 4.000 H CRN 4 - Lifestyles 19510 | 12.224 R WFFF-TV 20000 | 12.282 R KPRC-TV 20000 |
| 4.000 H CRN 5 - Law & Order 19510 | 12.224 R WFXT-TV 20000 | 12.282 R KRIV-TV 20000 |
| 4.000 H CRN 6 - Issues 19510 | 12.224 R WGBH-TV 20000 | 12.282 R KSAZ-TV 20000 |
| 4.000 H TRN - Talk Radio N 19510 | 12.224 R WHDH-TV 20000 | 12.282 R KSDK-TV 20000 |
| 4.060 V AMERICA ONE 20000 | 12.224 R WLVI-TV 20000 | 12.282 R KTRK-TV 20000 |
| 4.060 V FIRESTONE COMMUNI 20000 | 12.224 R WPEC-TV 20000 | 12.282 R KTVI-TV 20000 |
| 4.060 V SORPRESSA 20000 | 12.224 R WPTZ-TV 20000 | 12.282 R KTVK-TV 20000 |
| 4.060 V STC 20000 | 12.224 R WVNY-TV 20000 | 12.282 R KTXH-TV 20000 |
| 4.100 V Gospel Music 29270 | 12.239 L BET 20000 | 12.282 R KUHT-TV 20000 |
| 4.100 V JCTV 29270 | 12.239 L Bravo US 20000 | 12.282 R KUTP-TV 20000 |
| 4.100 V TBN US 29270 | 12.239 L CNN Financial Networ 20000 | 12.282 R WAXN-TV 20000 |
| 4.100 V The Church Channel 29270 | 12.239 L Court TV 20000 | 12.282 R WBTV-TV 20000 |
| 4.140 V Azteca America Este 25325 | 12.239 L Empire Sports Networ 20000 | 12.282 R WCCB-TV 20000 |
| 4.140 V Azteca America Oeste 25325 | 12.239 L Galavision Este 20000 | 12.282 R WCNC-TV 20000 |
| 4.140 V Azteca Siete 25325 | 12.239 L HBO East 20000 | 12.282 R WGVU-TV 20000 |
| 4.140 V Azteca Trece 25325 | 12.239 L PPV Sports 20000 | 12.282 R WJZY-TV 20000 |
| 4.160 H A Taste of Spice 19510 | 12.239 L Tech TV 20000 | 12.282 R WLOS-TV 20000 |
| 4.160 H Spice Live 19510 | 12.239 L The Hot Zone 20000 | 12.282 R WNSC-TV 20000 |
| 4.160 H Spice Ultimate 19510 | 12.253 R KAUT-TV 20000 | 12.282 R WOOD-TV 20000 |
| 4.172 V Pleasure 14600 | 12.253 R KCAL-TV 20000 | 12.282 R WSOC-TV 20000 |
| 4.172 V TEN 14600 | 12.253 R KCET-TV 20000 | 12.282 R WSPA-TV 20000 |
| 4.172 V TENBlox 14600 | 12.253 R KCOP-TV 20000 | 12.282 R WTVI-TV 20000 |
| 4.172 V TENBlue 14600 | 12.253 R KCPQ-TV 20000 | 12.282 R WWMT-TV 20000 |
| 4.172 V TENClips 14600 | 12.253 R KCTS-TV 20000 | 12.282 R WWMB-TV 20000 |
| 4.172 V TENXtsy 14600 | 12.253 R KETA-TV 20000 | 12.282 R WXMI-TV 20000 |
| 4.186 V HITN 5184 | 12.253 R KFMB-TV 20000 | 12.282 R WYFF-TV 20000 |
| 4.186 V HITN CH2 5184 | 12.253 R KFOR-TV 20000 | 12.282 R WZZM-TV 20000 |
| ECHOSTAR 7, ANIK F3 | 12.253 R KGTV-TV 20000 | 12.297 L Discovery Health 20000 |
| 241.0 East (119.0 West) | 12.253 R KING-TV 20000 | 12.297 L ESPN Classic 20000 |
| AMC016KB | 12.253 R KIRO-TV 20000 | 12.297 L Fox News Channel 20000 |
|  | 12.253 R KMEX-TV 20000 | 12.297 L Fox Sports Alternate 20000 |
|  | 12.253 R KNSD-TV 20000 | 12.297 L Fox Sports Rocky Mou 20000 |
| 11.720 R Dish Network multipl 26000 | 12.253 R KOCB-TV 20000 | 12.297 L HBO 2 East 20000 |
| ECH007KB | 12.253 R KOCO-TV 20000 | 12.297 L HBO Signature East 20000 |
| | 12.253 R KOED-TV 20000 | 12.297 L IFC US 20000 |
|  | 12.253 R KOKH-TV 20000 | 12.297 L Showtime East 20000 |
| 12.224 R KATU-TV 20000 | 12.253 R KOMO-TV 20000 | 12.297 L Toon Disney 20000 |
| 12.224 R KCPT-TV 20000 | 12.253 R KONG-TV 20000 | 12.297 L Festive Italian 20000 |
| 12.224 R KCTV-TV 20000 | 12.253 R KPBS-TV 20000 | 12.311 R KAKW-TV 20000 |
| 12.224 R KCWE-TV 20000 | 12.253 R KSBI-TV 20000 | 12.311 R KAMU-TV 20000 |
| 12.224 R KGW-TV 20000 | 12.253 R KSTW-TV 20000 | 12.311 R KBHK-TV 20000 |
| 12.224 R KJRH-TV 20000 | 12.253 R KSWB-TV 20000 | 12.311 R KBWB-TV 20000 |
| | 12.253 R KTFO-TV 20000 | 12.311 R KCEN-TV 20000 |
| | 12.253 R KTWB-TV 20000 | 12.311 R KGO-TV 20000 |
| | 12.253 R KWBT-TV 20000 | 12.311 R KGUN-TV 20000 |
| | 12.253 R KWTV-TV 20000 | 12.311 R KHRR-TV 20000 |
| | 12.253 R WBFS-TV 20000 | 12.311 R KICU-TV 20000 |
| | 12.253 R WBTV-TV 20000 | 12.311 R KMSB-TV 20000 |
| | 12.253 R WBZL-TV 20000 | 12.311 R KNCT-TV 20000 |
| | 12.253 R WCFE-TV 20000 | 12.311 R KNTV-TV 20000 |
| | 12.253 R WCSV-TV 20000 | 12.311 R KOLD-TV 20000 |
| | 12.253 R WFLX-TV 20000 | 12.311 R KPIX-TV 20000 |
| | 12.253 R WLTV-TV 20000 | 12.311 R KQED-TV 20000 |
| | 12.253 R WNNE-TV 20000 | 12.311 R KTTU-TV 20000 |
| | 12.253 R WPBF-TV 20000 | 12.311 R KTVU-TV 20000 |
| | 12.253 R WPEC-TV 20000 | 12.311 R KUAT-TV 20000 |
| | 12.253 R WPTV-TV 20000 | 12.311 R KVOA-TV 20000 |
| | 12.253 R WTVX-TV 20000 | 12.311 R KWBA-TV 20000 |
| | 12.253 R WXEL-TV 20000 | 12.311 R KWBU-TV 20000 |
| | 12.253 R XETV-TV 20000 | 12.311 R KWKT-TV 20000 |
| | 12.268 L C-SPAN 20000 | 12.311 R KWTX-TV 20000 |
| | 12.268 L C-SPAN 2 20000 | 12.311 R KXGR-TV 20000 |
| | 12.268 L ESPN 2 20000 | 12.311 R KXXV-TV 20000 |
| | 12.268 L ESPNews 20000 | 12.311 R WASV-TV 20000 |
| | 12.268 L Flix East 20000 | 12.311 R WBSC-TV 20000 |
| | 12.268 L Food Network US 20000 | 12.311 R WFYI-TV 20000 |
| | 12.268 L GSN - Game Show Ne 20000 | 12.311 R WGN-TV 20000 |
| | 12.268 L Playboy TV 20000 | 12.311 R WHNS-TV 20000 |
| | 12.268 L QVC US 20000 | 12.311 R WISH-TV 20000 |
| | 12.268 L TEN - The Erotic N 20000 | 12.311 R WLFL-TV 20000 |
| | 12.268 L 70's Hits 20000 | 12.311 R WNCN-TV 20000 |

| | |
|---|---|
| 12.311 R WNDY-TV 20000 | 12.326 L Sci-Fi 20000 |
| 12.311 R WOTV-TV 20000 | 12.326 L Showtime West 20000 |
| 12.311 R WPWR-TV 20000 | 12.326 L The Learning Channel 20000 |
| 12.311 R WRAL-TV 20000 | 12.326 L TNT 20000 |
| 12.311 R WRAZ-TV 20000 | 12.326 L Acoustic Crossroads 20000 |
| 12.311 R WRDC-TV 20000 | 12.326 L Country Classics 20000 |
| 12.311 R WRTV-TV 20000 | 12.326 L Country Currents 20000 |
| 12.311 R WTHR-TV 20000 | 12.326 L Environmental East 20000 |
| 12.311 R WTLJ-TV 20000 | 12.326 L Foreground Music 20000 |
| 12.311 R WTTV-TV 20000 | 12.326 L Hot FM 20000 |
| 12.311 R WTTW-TV 20000 | 12.326 L New Country 20000 |
| 12.311 R WTVD-TV 20000 | 12.326 L Urban Beat 20000 |
| 12.311 R WUNC-TV 20000 | 12.341 R KBFD-TV 20000 |
| 12.311 R WXIN-TV 20000 | 12.341 R KBYU-TV 20000 |
| 12.326 L AMC - American Mov 20000 | 12.341 R KFVE-TV 20000 |
| 12.326 L CMT US 20000 | 12.341 R KGMB-TV 20000 |
| 12.326 L Discovery Channel 20000 | 12.341 R KHET-TV 20000 |
| 12.326 L ESPN 20000 | 12.341 R KHNL-TV 20000 |
| 12.326 L HBO Family East 20000 | 12.341 R KHON-TV 20000 |
| 12.326 L PBS 20000 | 12.341 R KIKU-TV 20000 |
| 12.326 L Sci-Fi 20000 | 12.341 R KITV-TV 20000 |
| 12.326 L Showtime West 20000 | 12.341 R KJZZ-TV 20000 |
| 12.326 L The Learning Channel 20000 | 12.341 R KPNZ-TV 20000 |
| 12.326 L TNT 20000 | 12.341 R KSL-TV 20000 |
| 12.326 L Acoustic Crossroads 20000 | 12.341 R KSTU-TV 20000 |
| 12.326 L Country Classics 20000 | 12.341 R KTMW-TV 20000 |
| 12.326 L Country Currents 20000 | 12.341 R KTVX-TV 20000 |
| 12.326 L Environmental East 20000 | 12.341 R KUED-TV 20000 |
| 12.326 L Foreground Music 20000 | 12.341 R KULC-TV 20000 |
| 12.326 L Hot FM 20000 | 12.341 R KUTV-TV 20000 |
| 12.326 L New Country 20000 | 12.341 R KUWB-TV 20000 |
| 12.326 L Urban Beat 20000 | 12.341 R KWHE-TV 20000 |
| 12.341 R KBFD-TV 20000 | 12.341 R WABM-TV 20000 |
| 12.341 R KBYU-TV 20000 | 12.341 R WBIQ-TV 20000 |
| 12.341 R KFVE-TV 20000 | 12.341 R WBRC-TV 20000 |
| 12.341 R KGMB-TV 20000 | 12.341 R WIAT-TV 20000 |
| 12.341 R KHET-TV 20000 | 12.341 R WJSU-TV 20000 |
| 12.341 R KHNL-TV 20000 | 12.341 R WTTO-TV 20000 |
| 12.341 R KHON-TV 20000 | 12.341 R WVTM-TV 20000 |
| 12.341 R KIKU-TV 20000 | 12.355 L ESPN 2 Alternate 20000 |
| 12.341 R KITV-TV 20000 | 12.355 L ESPN Alternate 20000 |
| 12.341 R KJZZ-TV 20000 | 12.355 L Fox Sports Bay Area 20000 |
| 12.341 R KPNZ-TV 20000 | 12.355 L Fox Sports New York 20000 |
| 12.341 R KSL-TV 20000 | 12.355 L Fox Sports South 20000 |
| 12.341 R KSTU-TV 20000 | 12.355 L Showtime Extreme Eas 20000 |
| 12.341 R KTMW-TV 20000 | 12.355 L The Movie Channel Ea 20000 |
| 12.341 R KTVX-TV 20000 | 12.355 L The Movie Channel Xt 20000 |
| 12.341 R KUED-TV 20000 | 12.355 L Universityhouse 20000 |
| 12.341 R KULC-TV 20000 | 12.355 L WE - Women's Enterta 20000 |
| 12.341 R KUTV-TV 20000 | 12.370 R ACN - America's Co 20000 |
| 12.341 R KUWB-TV 20000 | 12.370 R Business TV 1 20000 |
| 12.341 R KWHE-TV 20000 | 12.370 R Business TV 2 20000 |
| 12.341 R WABM-TV 20000 | 12.370 R EWTN US 20000 |
| 12.341 R WBIQ-TV 20000 | 12.370 R Fox Sports Alternate 20000 |
| 12.341 R WBRC-TV 20000 | 12.370 R HSN - Home Shoppin 20000 |
| 12.341 R WIAT-TV 20000 | 12.370 R ShopNBC 20000 |
| 12.341 R WJSU-TV 20000 | 12.370 R The Beauty and Fashi 20000 |
| 12.341 R WTTO-TV 20000 | 12.370 R The Disney Channel E 20000 |
| 12.341 R WVTM-TV 20000 | 12.370 R UCTV - University 20000 |
| 12.355 L ESPN 2 Alternate 20000 | 12.370 R Univision Este 20000 |
| 12.355 L ESPN Alternate 20000 | 12.370 R Angel One 20000 |
| 12.355 L Fox Sports Bay Area 20000 | 12.370 R PPV Guide 20000 |
| 12.355 L Fox Sports New York 20000 | 12.370 R Remote Control Help 20000 |
| 12.355 L Fox Sports South 20000 | 12.384 L DISH-on-Demand PPV 20000 |
| 12.355 L Showtime Extreme Eas 20000 | 12.384 L Fox Sports Detroit 20000 |
| 12.355 L The Movie Channel Ea 20000 | 12.384 L Fox Sports New Engla 20000 |
| 12.355 L The Movie Channel Xt 20000 | 12.384 L Fox Sports Pittsburg 20000 |
| 12.355 L Universityhouse 20000 | 12.384 L FX 20000 |
| 12.355 L WE - Women's Enterta 20000 | |
| 12.370 R ACN - America's Co 20000 | |
| 12.370 R Business TV 1 20000 | |
| 12.370 R Business TV 2 20000 | |
| 12.370 R EWTN US 20000 | |
| 12.370 R Fox Sports Alternate 20000 | |
| 12.370 R HSN - Home Shoppin 20000 | |
| 12.370 R ShopNBC 20000 | |
| 12.370 R The Beauty and Fashi 20000 | |
| 12.370 R The Disney Channel E 20000 | |
| 12.370 R UCTV - University 20000 | |
| 12.370 R Univision Este 20000 | |
| 12.370 R Angel One 20000 | |
| 12.370 R PPV Guide 20000 | |
| 12.370 R Remote Control Help 20000 | |
| 12.384 L DISH-on-Demand PPV 20000 | |
| 12.384 L Fox Sports Detroit 20000 | |
| 12.384 L Fox Sports New Engla 20000 | |
| 12.384 L Fox Sports Pittsburg 20000 | |
| 12.384 L FX 20000 | |

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| Freq GHz | Pol | Channel Name | Symbol rate |
|---|---|---|---|
| 12.384 | L | Noggin | 20000 |
| 12.384 | L | Sunshine Network | 20000 |
| 12.384 | L | TBN - Trinity Broa | 20000 |
| 12.384 | L | The Weather Channel | 20000 |
| 12.384 | L | Destinations Audio | 20000 |
| 12.384 | L | Latino Pop | 20000 |
| 12.384 | L | Muzak | 20000 |
| 12.384 | L | Muzak 2 | 20000 |
| 12.384 | L | Viva Marachi | 20000 |
| 12.399 | R | Animal Planet | 20000 |
| 12.399 | R | CNBC US | 20000 |
| 12.399 | R | Comedy Central East | 20000 |
| 12.399 | R | Fox Sports Northwest | 20000 |
| 12.399 | R | HBO 2 West | 20000 |
| 12.399 | R | Lifetime | 20000 |
| 12.399 | R | MSNBC | 20000 |
| 12.399 | R | TBS Superstation ( | 20000 |
| 12.399 | R | TV Land | 20000 |
| 12.399 | R | VH 1 US | 20000 |
| 12.399 | R | WGN Superstation | 20000 |
| 12.399 | R | Contemporary Christi | 20000 |
| 12.399 | R | Contemporary Instrum | 20000 |
| 12.399 | R | Contemporary Jazz Fl | 20000 |
| 12.399 | R | Easy Instrumentals | 20000 |
| 12.399 | R | Jazz Traditions | 20000 |
| 12.414 | L | Black Starz! East | 20000 |
| 12.414 | L | Encore East | 20000 |
| 12.414 | L | Extasy | 20000 |
| 12.414 | L | Lifetime Movie Netwo | 20000 |
| 12.414 | L | Pax TV | 20000 |
| 12.414 | L | Starz! Cinema East | 20000 |
| 12.414 | L | Starz! East | 20000 |
| 12.414 | L | Starz! Family East | 20000 |
| 12.414 | L | Starz! Theater East | 20000 |
| 12.414 | L | Westerns East | 20000 |
| 12.428 | R | KABC-TV | 20000 |
| 12.428 | R | KCBS-TV | 20000 |
| 12.428 | R | KNBC-TV | 20000 |
| 12.428 | R | KTLA-TV | 20000 |
| 12.428 | R | KTTV-TV | 20000 |
| 12.428 | R | KWGN-TV | 20000 |
| 12.428 | R | WPIX-TV | 20000 |
| 12.428 | R | WSBK-TV | 20000 |
| 12.428 | R | WWOR-TV | 20000 |
| 12.428 | R | WXTV-TV | 20000 |
| 12.428 | R | 70's Songbook | 20000 |
| 12.428 | R | Big Band Era | 20000 |
| 12.428 | R | Classic Rock | 20000 |
| 12.428 | R | Eurostyle | 20000 |
| 12.428 | R | JukeBox Gold | 20000 |
| 12.428 | R | Nonstop Hip Hop | 20000 |
| 12.443 | L | ABC Family | 20000 |
| 12.443 | L | Cartoon Network | 20000 |
| 12.443 | L | CNN Headline News | 20000 |
| 12.443 | L | E! Entertainment TV | 20000 |
| 12.443 | L | HGTV US | 20000 |
| 12.443 | L | MTV East | 20000 |
| 12.443 | L | Nickelodeon West | 20000 |
| 12.443 | L | TCM - Turner Class | 20000 |
| 12.443 | L | The New TNN | 20000 |
| 12.443 | L | Travel Channel | 20000 |
| 12.443 | L | USA Network East | 20000 |
| 12.443 | L | Adult Alternative | 20000 |
| 12.443 | L | Hawaiian Music | 20000 |
| 12.443 | L | Hot Hits | 20000 |
| 12.443 | L | Kids tunes | 20000 |
| 12.443 | L | LDS Radio Network | 20000 |
| 12.443 | L | Modern Rock Alternat | 20000 |
| 12.443 | L | Power Rock | 20000 |
| 12.457 | R | Cinemax East | 20000 |
| 12.457 | R | DISH-on-Demand PPV | 20000 |
| 12.457 | R | Fox Sports Chicago | 20000 |
| 12.457 | R | Fox Sports Southwest | 20000 |
| 12.457 | R | MoreMax East | 20000 |
| 12.457 | R | MSG Network | 20000 |
| 12.457 | R | Speed Channel | 20000 |
| 12.457 | R | Sundance Channel Eas | 20000 |
| 12.457 | R | TV Games Network | 20000 |
| 12.472 | L | Comcast SportsNet Mi | 20000 |
| 12.472 | L | DISH-on-Demand PPV | 20000 |
| 12.472 | L | Fox Sports Cincinnat | 20000 |
| 12.472 | L | Fox Sports Midwest | 20000 |
| 12.472 | L | MuchMusic USA | 20000 |
| 12.472 | L | NASA TV | 20000 |
| 12.472 | L | Nickelodeon East | 20000 |
| 12.472 | L | RAI International 1/ | 20000 |
| 12.472 | L | WorldLink TV | 20000 |
| 12.472 | L | Info Card | 20000 |
| 12.472 | L | Broadway & Hollywood | 20000 |
| 12.486 | R | A&E - Arts & Enterta | 20000 |
| 12.486 | R | CNN USA | 20000 |
| 12.486 | R | HBO West | 20000 |
| 12.486 | R | Showtime Too East | 20000 |
| 12.486 | R | The Disney Channel W | 20000 |
| 12.486 | R | The History Channel | 20000 |
| 12.486 | R | Adult Favorites | 20000 |
| 12.486 | R | Blues | 20000 |
| 12.486 | R | Fiesta Mexicana | 20000 |
| 12.486 | R | Latin Style | 20000 |
| 12.486 | R | New Age | 20000 |
| 12.486 | R | Reggae | 20000 |
| 12.501 | L | Cinemax West | 20000 |
| 12.501 | L | Fox Sports West | 20000 |
| 12.501 | L | The Outdoor Channel | 20000 |
| 12.501 | L | WABC-TV | 20000 |
| 12.501 | L | WCBS-TV | 20000 |
| 12.501 | L | WNBC-TV | 20000 |
| 12.501 | L | WNET-TV | 20000 |
| 12.501 | L | WNYW-TV | 20000 |
| 12.501 | L | NESN - New England | 20000 |
| 12.501 | L | 50's & 60's Hits | 20000 |
| 12.501 | L | 80's Hits | 20000 |
| 12.501 | L | All that Jazz | 20000 |
| 12.501 | L | Beach Party | 20000 |
| 12.501 | L | Classical Ambience | 20000 |
| 12.501 | L | Hit Line | 20000 |
| 12.501 | L | Love Songs | 20000 |
| 12.501 | L | Metro | 20000 |
| 12.501 | L | Miami Mix | 20000 |
| 12.501 | L | Moodscapes | 20000 |
| 12.501 | L | New Orleans Jazz | 20000 |
| 12.501 | L | Piano & Guitar | 20000 |
| 12.501 | L | R&B Revue | 20000 |
| 12.501 | L | Tejano | 20000 |
| 12.516 | R | BBC America | 20000 |
| 12.516 | R | DISH-on-Demand PPV | 20000 |
| 12.516 | R | Fox Sports Alternate | 20000 |
| 12.516 | R | Fox Sports Arizona | 20000 |
| 12.516 | R | Fox Sports Florida | 20000 |
| 12.516 | R | Fox Sports North | 20000 |
| 12.516 | R | Fox Sports Ohio | 20000 |
| 12.516 | R | MTV 2 US | 20000 |
| 12.516 | R | RFD TV - Rural Far | 20000 |
| 12.516 | R | Country Music | 20000 |
| 12.516 | R | Reflections | 20000 |
| **DIRECTV 7S** | | | |
| **241.2 East (118.8 West)** | | | |
| 12.530 | L | Direct TV USA | 20000 |
| **SATMEX 5** | | | |
| **243.2 East (116.8 West)** | | | |
| 11.722 | H | Feed | 30000 |
| 12.024 | H | ESNE | 3000 |
| 12.024 | H | Radio Catolica El Se | 3000 |
| 12.028 | H | Almavision | 3255 |
| 12.033 | H | Test Card | 2532 |
| 12.049 | V | Feed | 1977 |
| 12.060 | V | TV Azteca feeds | 5926 |
| 12.075 | V | Test Card | 3025 |
| 12.080 | H | CCTV 4 | 25635 |
| 12.080 | H | CTI TV | 25635 |
| 12.080 | H | TV Polonia | 25635 |
| 12.080 | H | Azio TV | 25635 |
| 12.080 | H | Da Ai TV | 25635 |
| 12.080 | H | ERA News | 25635 |
| 12.080 | H | Hwazan Satellite TV | 25635 |
| 12.080 | H | MAC TV Info Card | 25635 |
| 12.080 | H | Senal Columbia | 25635 |
| 12.080 | H | Tele Amiga Internaci | 25635 |
| 12.080 | H | TeleCaribe | 25635 |
| 12.080 | H | Polskie Radio 1 | 25635 |
| 12.080 | H | Polskie Radio 2 | 25635 |
| 12.110 | H | Feed | 2000 |
| 12.164 | H | BYU TV | 3935 |
| 12.182 | V | MTY 1 | 9666 |
| 12.182 | V | MTY 2 | 9666 |

| Freq GHz | Pol | Channel Name | Symbol rate |
|---|---|---|---|
| 12.182 | V | MTY 3 | 9666 |
| 12.182 | V | UVE 1 | 9666 |
| 12.182 | V | UVE 2 | 9666 |
| 12.196 | V | CEM 1 | 3333 |
| 12.196 | V | CEM 2 | 3333 |
| **SATMEX 5** | | | |
| **243.2 East (116.8 West)** | | | |
| 3.770 | V | Universal Circus 1 | 7234 |
| 3.770 | V | Universal Circus 2 | 7234 |
| 3.770 | V | Universal Circus 3 | 7234 |
| 3.800 | V | Animal Planet | 29270 |
| 3.800 | V | CNI Canal 40 | 29270 |
| 3.800 | V | Discovery Health | 29270 |
| 3.800 | V | Discovery Kids | 29270 |
| 3.800 | V | ESPN | 29270 |
| 3.800 | V | Hallmark | 29270 |
| 3.800 | V | IPN Canal 11 | 29270 |
| 3.800 | V | MTV | 29270 |
| 3.800 | V | People & Arts | 29270 |
| 3.800 | V | Travel & Adventure | 29270 |
| 3.840 | V | Casa Club | 29270 |
| 3.840 | V | Cinema Platino | 29270 |
| 3.840 | V | Film & Arts | 29270 |
| 3.840 | V | InteliTV | 29270 |
| 3.840 | V | MGM | 29270 |
| 3.840 | V | National Geographic | 29270 |
| 3.840 | V | Nickelodeon | 29270 |
| 3.840 | V | Ponchivision | 29270 |
| 3.840 | V | Telemundo | 29270 |
| 3.840 | V | Venevision Continent | 29270 |
| 3.855 | H | CB TV | 2600 |
| 3.905 | V | Sports Book | 2975 |
| 3.913 | V | Sotel Canal 11 | 2947 |
| 3.918 | V | CNI Canal 40 - XHT | 3329 |
| 3.935 | V | Hipodromo de Preside | 4440 |
| 3.935 | V | Test Card | 4440 |
| 3.960 | V | Azteca 13 Mexico C | 25325 |
| 3.960 | V | Azteca 7 Mexico Ci | 25325 |
| 3.960 | V | Azteca America Este | 25325 |
| 3.960 | V | Azteca America Oeste | 25325 |
| 3.980 | H | Monte Maria TV | 1850 |
| 3.985 | V | Tele Ritmo | 3183 |
| 3.989 | V | Multimedios | 2967 |
| 3.997 | V | XEIMT Canal 22 | 3255 |
| 4.001 | V | RGT TV Digital | 2670 |
| 4.006 | V | Ecuavisa | 3516 |
| 4.011 | V | Latinoamerica TV | 3131 |
| 4.014 | V | TeVe de Mente | 2530 |
| 4.038 | V | Video Rola | 3364 |
| 4.044 | V | Ocho TV | 2893 |
| 4.052 | V | TV Mexiquense XHTP | 4307 |
| 4.060 | H | Canal 22 Mexico Ci | 19510 |
| 4.060 | H | Canal de Congreso (V | 19510 |
| 4.060 | H | Gobierno de la Repub | 19510 |
| 4.060 | H | Test Card (VC811) | 19510 |
| 4.060 | H | XEIPN - Once TV (V | 19510 |
| 4.084 | H | Guate Vision | 3162 |
| 4.103 | H | CNC Columbia | 2593 |
| 4.107 | H | Teleformula | 2012 |
| 4.133 | H | Canal 9 | 3617 |
| 4.160 | V | CMC | 29270 |
| 4.160 | V | ESPN 2 | 29270 |
| 4.160 | V | Fox Sports | 29270 |
| 4.160 | V | HSE | 29270 |
| 4.160 | V | Momentum | 29270 |
| 4.160 | V | Movie World | 29270 |
| 4.160 | V | PHTV | 29270 |
| 4.160 | V | TVC | 29270 |
| 4.160 | V | Vacante | 29270 |
| 4.164 | H | Edusat feeds | 1733 |
| 4.180 | H | Cl@se - Canal 22 | 19510 |
| 4.180 | H | Discovery Kids - Can | 19510 |
| 4.180 | H | Canal 13 (VC792) | 19510 |
| 4.180 | H | Canal 14 (VC793) | 19510 |
| 4.180 | H | Canal 15 (VC794) | 19510 |
| 4.180 | H | Canal 17 | 19510 |
| 4.180 | H | Canal 18 | 19510 |
| 4.180 | H | SEA y EMSAD - Can | 19510 |
| 4.180 | H | Telesecundaria - Can | 19510 |
| 4.180 | H | The History Channe | 19510 |
| **SOLIDARIDAD 2** | | | |
| **245.1 East (114.9 West)** | | | |

SOL002CS

| Freq GHz | Pol | Channel Name | Symbol rate |
|---|---|---|---|
| 3.720 | V | The History Channel | 27000 |
| 3.720 | V | Canal de las Artes | 27000 |
| 3.720 | V | Cl@se | 27000 |
| 3.720 | V | Discovery Kids Ameri | 27000 |
| 3.720 | V | Educacion Basica | 27000 |
| 3.720 | V | Educacion Superior | 27000 |
| 3.720 | V | Espacio Edusat | 27000 |
| 3.720 | V | Formacion docente y | 27000 |
| 3.720 | V | Iberoamerica TV | 27000 |
| 3.720 | V | Modelos cirriculares | 27000 |
| 3.720 | V | Radio Edusat | 27000 |
| 3.720 | V | Servicio Publico | 27000 |
| 3.720 | V | Telesecundaria | 27000 |
| 3.720 | V | test card | 27000 |
| 3.720 | V | TV Unam | 27000 |
| **SATMEX 6** | | | |
| **247.0 East (113.0 West)** | | | |
| 3.733 | H | TV Tabesquena | 2875 |
| 3.744 | V | UTEG | 2893 |
| 3.745 | H | Telemax | 2976 |
| 3.752 | V | TELEMAR | 2893 |
| 3.759 | V | MVS TV Test Card | 2315 |
| 3.762 | H | TV Sat | 2315 |
| 3.763 | H | TV Tabesquena | 2933 |
| 3.772 | V | Unknown | 3254 |
| 3.784 | V | Feed | 1735 |
| 3.784 | H | Tele Michoacan | 8789 |
| 3.784 | H | Radio Michoacan | 8789 |
| 3.800 | V | Canal de las Artes | 27000 |
| 3.800 | V | Discovery Kids Latin | 27000 |
| 3.800 | V | Edusat Test Card | 27000 |
| 3.821 | H | TV Tabesquena | 3255 |
| 3.838 | V | TV MAS Veracruz | 3720 |
| 3.847 | V | Service 1 | 3219 |
| 3.852 | H | GPO IMAGEN | 3255 |
| 3.856 | H | TV Tabesquena | 2670 |
| 3.858 | H | SIS-JAL-RADIO-TV | 2803 |
| 3.861 | H | Azteca Noreste | 3200 |
| 3.863 | H | TV-NUEVO LEON | 3200 |
| 3.865 | H | Unknown | 2963 |
| 3.870 | H | TV Mexiquense | 3580 |
| 3.872 | H | Radio Mexiquense | 3617 |
| 3.888 | H | Central TV | 3100 |
| 3.904 | H | Canal 9 | 3617 |
| 3.928 | V | Canal 7 | 3720 |
| 3.934 | V | Radio Sonora | 3300 |
| 3.934 | V | Telemax | 3300 |
| 3.943 | V | Unknown | 3701 |
| 3.951 | H | Radio 1 de Marzo | 3700 |
| 3.951 | H | SNT | 3700 |
| 3.964 | V | Unknown | 5000 |
| 4.058 | H | XHST Canal 13 | 2875 |
| 4.075 | V | MVS TV Test Card | 3782 |
| 4.085 | V | TMM TV | 2821 |
| 4.095 | V | MVS TV Test Card | 3720 |
| 4.115 | H | XHRCG Canal 7 | 2933 |
| 4.163 | H | Hidalgo TV | 3300 |
| 4.163 | H | Hidalgo Radio | 3300 |
| 4.174 | H | TV Nuevo Leon | 3200 |
| **ANIK F2** | | | |
| **248.9 East (111.1 West)** | | | |
| 3.866 | H | Unknown | 5000 |

| Freq GHz | Pol | Channel Name | Symbol rate |
|---|---|---|---|
| **North America** | | | |
| **ECHOSTAR 10,11** | | | |
| **250.0 East (110.0 West)** | | | |
| 12.326 | L | ARYDI | 20000 |
| 12.326 | L | B4UMU | 20000 |
| 12.326 | L | CCTV4 | 20000 |
| 12.326 | L | DUBAI | 20000 |
| 12.326 | L | ESC-1 | 20000 |
| 12.326 | L | FUTUR | 20000 |
| 12.326 | L | IQRAA | 20000 |
| 12.326 | L | ITVN | 20000 |
| 12.326 | L | LEOWD | 20000 |
| 12.326 | L | NILE | 20000 |
| 12.326 | L | PTV | 20000 |
| 12.326 | L | SPORT | 20000 |
| 12.326 | L | STAR+ | 20000 |
| ●12.355 | L | ALIVE | 20000 |
| ●12.355 | L | BTV | 20000 |
| ●12.355 | L | C&T | 20000 |
| ●12.355 | L | FSTV | 20000 |
| ●12.355 | L | GEMS | 20000 |
| ●12.355 | L | GEMTV | 20000 |
| ●12.355 | L | IAD2 | 20000 |
| ●12.355 | L | IAD3 | 20000 |
| ●12.355 | L | IAD4 | 20000 |
| ●12.355 | L | IAD5 | 20000 |
| ●12.355 | L | IAD9 | 20000 |
| ●12.355 | L | LF1 | 20000 |
| ●12.355 | L | LINK | 20000 |
| ●12.355 | L | LSHOP | 20000 |
| ●12.355 | L | SOON | 20000 |
| ●12.355 | L | SOON3 | 20000 |
| ●12.355 | L | SRN | 20000 |
| ●12.355 | L | TJC | 20000 |
| ●12.355 | L | TURBO | 20000 |
| ●12.355 | L | ASHOW | 20000 |
| ●12.355 | L | D500 | 20000 |
| ●12.355 | L | DISH6 | 20000 |
| ●12.355 | L | DVRDN | 20000 |
| ●12.355 | L | DVRVR | 20000 |
| ●12.355 | L | ORDER | 20000 |
| ●12.355 | L | MUSIC | 20000 |
| ●12.384 | L | KYW | 20000 |
| ●12.384 | L | WCAU | 20000 |
| ●12.384 | L | WFMZ | 20000 |
| ●12.384 | L | WHYY | 20000 |
| ●12.384 | L | WNJS | 20000 |
| ●12.384 | L | WPHL | 20000 |
| ●12.384 | L | WPSG | 20000 |
| ●12.384 | L | WPVI | 20000 |
| ●12.384 | L | WTVE | 20000 |
| ●12.384 | L | WTXF | 20000 |
| ●12.384 | L | WUVP | 20000 |
| ●12.384 | L | WWSI | 20000 |
| ●12.384 | L | WYBE | 20000 |
| ●12.414 | L | PPV | 20000 |
| ●12.414 | L | SPORT | 20000 |
| ●12.428 | R | 5-MAX | 20000 |
| ●12.428 | R | ACMAX | 20000 |
| ●12.428 | R | BOOM | 20000 |
| ●12.428 | R | ENCRW | 20000 |
| ●12.428 | R | EWSTN | 20000 |
| ●12.428 | R | FOXMO | 20000 |
| ●12.428 | R | HBOCY | 20000 |
| ●12.428 | R | NICKG | 20000 |
| ●12.428 | R | NICKT | 20000 |
| ●12.428 | R | SBYND | 20000 |
| ●12.428 | R | STRZW | 20000 |
| ●12.428 | R | STZC | 20000 |
| ●12.443 | L | CSNCA | 20000 |
| ●12.443 | L | DISH1 | 20000 |
| ●12.443 | L | DISH4 | 20000 |
| ●12.443 | L | DRMT5 | 20000 |
| ●12.443 | L | DRMT9 | 20000 |
| ●12.443 | L | ELOVE | 20000 |
| ●12.443 | L | NBA | 20000 |
| ●12.443 | L | NHL | 20000 |
| ●12.443 | L | PPV | 20000 |
| ●12.443 | L | PRIME | 20000 |
| ●12.443 | L | SKDL | 20000 |
| ●12.443 | L | SPORT | 20000 |
| ●12.443 | L | SPSOU | 20000 |
| ●12.443 | L | TR3S | 20000 |
| ●12.443 | L | VOD | 20000 |
| ●12.443 | L | DISH6 | 20000 |
| ●12.443 | L | ONPPV | 20000 |
| ●12.472 | L | WCFE | 20000 |
| ●12.472 | L | WETK | 20000 |
| ●12.472 | L | WGAL | 20000 |
| ●12.472 | L | WGBH | 20000 |
| ●12.472 | L | WGCB | 20000 |
| ●12.472 | L | WHP | 20000 |
| ●12.472 | L | WHTM | 20000 |
| ●12.472 | L | WITF | 20000 |
| ●12.472 | L | WLYH | 20000 |
| ●12.472 | L | WNYA | 20000 |
| ●12.472 | L | WPMT | 20000 |
| ●12.472 | L | WWDP | 20000 |
| 12.545 | R | PBS | 20000 |
| 12.603 | R | ALARA | 20000 |
| 12.603 | R | ART | 20000 |
| 12.603 | R | ARTMV | 20000 |
| 12.603 | R | B4U | 20000 |
| 12.603 | R | DREAM | 20000 |
| 12.603 | R | GEONW | 20000 |
| 12.603 | R | ISRLI | 20000 |
| 12.603 | R | MLODY | 20000 |
| 12.603 | R | TV5 | 20000 |
| 12.603 | R | ZCINE | 20000 |
| 12.603 | R | ZEETV | 20000 |
| 12.603 | R | ARTMU | 20000 |
| 12.603 | R | ASIFM | 20000 |
| 12.603 | R | RFI | 20000 |
| 12.603 | R | ZIKR | 20000 |
| 12.632 | R | ALJAZ | 20000 |
| 12.632 | R | GEOTV | 20000 |
| 12.632 | R | LBC | 20000 |
| 12.632 | R | MBC | 20000 |
| 12.632 | R | PLSAT | 20000 |
| 12.632 | R | RTPI | 20000 |
| ●12.661 | R | WCWG | 20000 |
| ●12.661 | R | WFMY | 20000 |
| ●12.661 | R | WGHP | 20000 |
| ●12.661 | R | WLXI | 20000 |
| ●12.661 | R | WMYV | 20000 |
| ●12.661 | R | WRIC | 20000 |
| ●12.661 | R | WRLH | 20000 |
| ●12.661 | R | WTVR | 20000 |
| ●12.661 | R | WUND | 20000 |
| ●12.661 | R | WUNL | 20000 |
| ●12.661 | R | WUNM | 20000 |
| ●12.661 | R | WUNU | 20000 |
| ●12.661 | R | WWBT | 20000 |
| ●12.661 | R | WXII | 20000 |
| ●12.661 | R | WXLV | 20000 |
| ●12.224 | R | AZTCA | 20000 |
| ●12.224 | R | CHILR | 20000 |
| ●12.224 | R | CURNT | 20000 |
| ●12.224 | R | EMYST | 20000 |
| ●12.224 | R | FTRAE | 20000 |
| ●12.224 | R | FTRAW | 20000 |
| ●12.224 | R | HISTI | 20000 |
| ●12.224 | R | HMC | 20000 |
| ●12.224 | R | OVATN | 20000 |
| ●12.224 | R | PCLAS | 20000 |
| ●12.224 | R | PELIC | 20000 |
| ●12.224 | R | UNVSW | 20000 |
| ●12.224 | R | VS. | 20000 |
| ●12.224 | R | NBATV | 20000 |
| ●12.239 | L | ACDEM | 20000 |
| ●12.239 | L | BITV | 20000 |
| ●12.239 | L | BITVV | 20000 |
| ●12.239 | L | INFO | 20000 |
| ●12.239 | L | INFO5 | 20000 |
| ●12.239 | L | KTV | 20000 |
| ●12.239 | L | LMN | 20000 |
| ●12.239 | L | NOTAX | 20000 |
| ●12.239 | L | PPV | 20000 |
| ●12.239 | L | PREVW | 20000 |
| ●12.239 | L | RTLR | 20000 |
| ●12.239 | L | SPORT | 20000 |
| ●12.239 | L | VOD | 20000 |
| ●12.239 | L | WBRZ | 20000 |
| ●12.253 | R | ANGL2 | 20000 |

| Freq GHz | Pol | Channel Name | Symbol rate |
|---|---|---|---|
| ●12.253 | R | BABY | 20000 |
| ●12.253 | R | BYUTV | 20000 |
| ●12.253 | R | COLRS | 20000 |
| ●12.253 | R | DOC | 20000 |
| ●12.253 | R | FRESH | 20000 |
| ●12.253 | R | HITN | 20000 |
| ●12.253 | R | JTV | 20000 |
| ●12.253 | R | PLBYE | 20000 |
| ●12.253 | R | REAL | 20000 |
| ●12.253 | R | RSRCH | 20000 |
| ●12.253 | R | SLTV | 20000 |
| ●12.253 | R | TEEZ | 20000 |
| ●12.253 | R | TEST1 | 20000 |
| ●12.253 | R | TEST2 | 20000 |
| ●12.253 | R | TEST3 | 20000 |
| ●12.253 | R | UWTV | 20000 |
| ●12.253 | R | VERIA | 20000 |
| ●12.253 | R | XCESS | 20000 |
| ●12.268 | L | WCNY | 20000 |
| ●12.268 | L | WCWN | 20000 |
| ●12.268 | L | WMHT | 20000 |
| ●12.268 | L | WNYS | 20000 |
| ●12.268 | L | WNYT | 20000 |
| ●12.268 | L | WRGB | 20000 |
| ●12.268 | L | WSTM | 20000 |
| ●12.268 | L | WSTQ | 20000 |
| ●12.268 | L | WSYR | 20000 |
| ●12.268 | L | WSYT | 20000 |
| ●12.268 | L | WTEN | 20000 |
| ●12.268 | L | WTVH | 20000 |
| ●12.268 | L | WXXA | 20000 |
| ●12.282 | R | BIO | 20000 |
| ●12.282 | R | CBS C | 20000 |
| ●12.282 | R | DIY | 20000 |
| ●12.282 | R | DOMIN | 20000 |
| ●12.282 | R | EACTN | 20000 |
| ●12.282 | R | ESPND | 20000 |
| ●12.282 | R | FLVNG | 20000 |
| ●12.282 | R | G4 | 20000 |
| ●12.282 | R | HISTE | 20000 |
| ●12.282 | R | MIL | 20000 |
| ●12.282 | R | RLTY | 20000 |
| ●12.282 | R | TENIS | 20000 |
| ●12.282 | R | TMNDO | 20000 |
| ●12.297 | L | $1.99 | 20000 |
| ●12.297 | L | CNAL1 | 20000 |
| ●12.297 | L | EDRAM | 20000 |
| ●12.297 | L | PPV | 20000 |
| ●12.297 | L | SETA | 20000 |
| ●12.297 | L | SPORT | 20000 |
| ●12.297 | L | TVCOL | 20000 |
| ●12.297 | L | VOD | 20000 |
| ●12.297 | L | ORDER | 20000 |
| ●12.328 | L | DRMT4 | 20000 |
| ●12.328 | L | INFO2 | 20000 |
| ●12.328 | L | INSP | 20000 |
| ●12.328 | L | PPV | 20000 |
| ●12.328 | L | VOD | 20000 |
| ●12.328 | L | HOME | 20000 |
| ●12.341 | R | BIG10 | 20000 |
| ●12.341 | R | DSCE | 20000 |
| ●12.341 | R | FSESP | 20000 |
| ●12.341 | R | GOLF | 20000 |
| ●12.341 | R | GREEN | 20000 |
| ●12.341 | R | ID | 20000 |
| ●12.341 | R | MUN2 | 20000 |
| ●12.341 | R | SLTH | 20000 |
| ●12.341 | R | SUR | 20000 |
| ●12.341 | R | TFMLA | 20000 |
| ●12.341 | R | TLHIT | 20000 |
| ●12.341 | R | TVEI | 20000 |
| ●12.370 | R | CINEL | 20000 |
| ●12.370 | R | CNNES | 20000 |
| ●12.370 | R | DKIDS | 20000 |
| ●12.370 | R | FSC | 20000 |
| ●12.370 | R | FSESP | 20000 |
| ●12.370 | R | GAC | 20000 |
| ●12.370 | R | HLMRK | 20000 |
| ●12.370 | R | HTV | 20000 |
| ●12.370 | R | NTGEO | 20000 |
| ●12.370 | R | SCI | 20000 |
| ●12.370 | R | SOAP | 20000 |
| ●12.370 | R | STYLE | 20000 |
| ●12.370 | R | TMDOW | 20000 |
| ●12.486 | R | BDMAX | 20000 |
| ●12.486 | R | CBBIS | 20000 |
| ●12.486 | R | ETC10 | 20000 |
| ●12.486 | R | NHLN | 20000 |
| ●12.486 | R | OBAMA | 20000 |
| ●12.486 | R | PSNES | 20000 |
| ●12.486 | R | TELAM | 20000 |
| ●12.486 | R | TMP08 | 20000 |
| ●12.501 | L | WFSB | 20000 |
| ●12.501 | L | WFTY | 20000 |
| ●12.501 | L | WLIW | 20000 |
| ●12.501 | L | WLNY | 20000 |
| ●12.501 | L | WMBC | 20000 |
| ●12.501 | L | WNJB | 20000 |
| ●12.501 | L | WNJU | 20000 |
| ●12.501 | L | WNYE | 20000 |
| ●12.501 | L | WNYN | 20000 |
| ●12.501 | L | WRNN | 20000 |
| ●12.501 | L | WTIC | 20000 |
| ●12.501 | L | WTNH | 20000 |
| ●12.501 | L | WVIT | 20000 |
| ●12.516 | R | ABC-E | 20000 |
| ●12.516 | R | CAN-V | 20000 |
| ●12.516 | R | CBCNW | 20000 |
| ●12.516 | R | GLB-W | 20000 |
| ●12.516 | R | GLB-w | 20000 |
| ●12.516 | R | M-XS | 20000 |
| ●12.516 | R | SNETW | 20000 |
| ●12.516 | R | SUPR3 | 20000 |
| ●12.516 | R | Vu31 | 20000 |
| ●12.516 | R | Vu8 | 20000 |
| ●12.516 | R | Vu9 | 20000 |
| ●12.516 | R | VuF8 | 20000 |
| ●12.516 | R | VuF9 | 20000 |
| ●12.516 | R | WFN | 20000 |
| ●12.516 | R | GXY26 | 20000 |
| ●12.516 | R | GXY28 | 20000 |
| ●12.516 | R | GXY29 | 20000 |
| ●12.516 | R | GXY39 | 20000 |
| ●12.516 | R | GXY5 | 20000 |
| ●12.516 | R | GXY8 | 20000 |
| ●12.516 | R | METRO | 20000 |
| ●12.516 | R | BTVM | 20000 |
| ●12.516 | R | VUMAG | 20000 |
| ●12.530 | L | CCTV9 | 20000 |
| ●12.530 | L | CCTVE | 20000 |
| ●12.530 | L | KCNC | 20000 |
| ●12.530 | L | KDVR | 20000 |
| ●12.530 | L | KMGH | 20000 |
| ●12.530 | L | KUSA | 20000 |
| ●12.530 | L | WBBM | 20000 |
| ●12.530 | L | WFLD | 20000 |
| ●12.530 | L | WLS | 20000 |
| ●12.530 | L | WMAQ | 20000 |
| ●12.530 | L | SING | 20000 |
| ●12.530 | L | SINGV | 20000 |
| ●12.559 | L | ALT | 20000 |
| ●12.559 | L | ALT10 | 20000 |
| ●12.559 | L | ESPNA | 20000 |
| ●12.559 | L | ETC3 | 20000 |
| ●12.559 | L | MASN2 | 20000 |
| ●12.559 | L | NBA | 20000 |
| ●12.559 | L | NHL | 20000 |
| ●12.559 | L | SKDL | 20000 |
| ●12.559 | L | SPORT | 20000 |
| ●12.574 | R | WBRA | 20000 |
| ●12.574 | R | WDBJ | 20000 |
| ●12.574 | R | WDCA | 20000 |
| ●12.574 | R | WDCW | 20000 |
| ●12.574 | R | WDRL | 20000 |
| ●12.574 | R | WFXR | 20000 |
| ●12.574 | R | WJLA | 20000 |
| ●12.574 | R | WRC | 20000 |
| ●12.574 | R | WSET | 20000 |
| ●12.574 | R | WSLS | 20000 |
| ●12.574 | R | WTTG | 20000 |
| ●12.574 | R | WUSA | 20000 |
| ●12.574 | R | WWCW | 20000 |
| ●12.589 | L | WBZ | 20000 |
| ●12.589 | L | WCVB | 20000 |
| ●12.589 | L | WENH | 20000 |

| Freq GHz | Pol | Channel Name | Symbol rate |
|---|---|---|---|
| ●12.589 | L | WFXT | 20000 |
| ●12.589 | L | WGBX | 20000 |
| ●12.589 | L | WHDH | 20000 |
| ●12.589 | L | WLED | 20000 |
| ●12.589 | L | WLVI | 20000 |
| ●12.589 | L | WMUR | 20000 |
| ●12.589 | L | WNEU | 20000 |
| ●12.589 | L | WUNI | 20000 |
| ●12.589 | L | WUTF | 20000 |
| ●12.589 | L | WZMY | 20000 |
| ●12.618 | L | CTVHW | 20000 |
| ●12.618 | L | NCAA8 | 20000 |
| ●12.647 | L | TLCHD | 20000 |
| ●12.647 | L | CBSHW | 20000 |
| ●12.647 | L | CBSHW1 | 20000 |
| ●12.647 | L | RAPHD | 20000 |
| ●12.676 | L | ABCHW | 20000 |
| ●12.676 | L | EQATR | 20000 |
| ●12.676 | L | HDVu3 | 20000 |
| ●12.676 | L | VuHD3 | 20000 |
| ●12.676 | L | VuFH1 | 20000 |
| **DIRECTV 5** | | | |
| **250.2 East (109.8 West)** | | | |
| 12.618 | L | DirecTV USA | 20000 |
| **ANIK F1R** | | | |
| **252.7 East (107.3 West)** | | | |
| 11.867 | V | Ontario Legislature | 19510 |
| 11.867 | V | Star Choice Info Cha | 19510 |
| 11.867 | V | Viewer's Choice Prei | 19510 |
| 11.898 | V | Kids Stuff | 19510 |
| 12.063 | H | Canal Indigo Preiew | 19510 |
| 12.063 | H | Star Choice Package | 19510 |
| 12.081 | V | Viewer's Choice Prev | 19510 |
| 12.081 | V | Star Choice Package | 19510 |
| 12.094 | H | Viewer's Choice Prev | 19510 |
| 12.094 | H | Star Choice Package | 19510 |
| 11.952 | H | Canal 6 TV | 3100 |
| **C-Band: ANIK F1** | | | |
| **252.8 East (107.2 West)** | | | |
| 3.760 | H | CBAT-TV | 28500 |
| 3.760 | H | CBC Mountain | 28500 |
| 3.760 | H | CBC Pacific North | 28500 |
| 3.760 | H | CBCT-TV | 28500 |
| 3.760 | H | CBHT-TV | 28500 |
| 3.760 | H | CBIT-TV | 28500 |
| 3.760 | H | CBKS-TV | 28500 |
| 3.760 | H | CBKT-TV | 28500 |
| 3.760 | H | CBLT-TV | 28500 |
| 3.760 | H | CBMT-TV | 28500 |
| 3.760 | H | CBNT-TV | 28500 |
| 3.760 | H | CBRT-TV | 28500 |
| 3.760 | H | CBUT-TV | 28500 |
| 3.760 | H | CBWT-TV | 28500 |
| 3.760 | H | CBXT-TV | 28500 |
| 3.780 | V | ARGENT/MPEG | 28346 |
| 3.780 | V | LCN | 28346 |
| 3.780 | V | LCN/MAGNETO. | 28346 |
| 3.780 | V | MYSTERE /MPEG | 28346 |
| 3.780 | V | PRISE 2 /MPEG | 28346 |
| 3.780 | V | CORUS RADIO | 28346 |
| 3.780 | V | CORUS RADIO test | 28346 |
| 3.780 | V | MA MAISON/MPEG | 28346 |
| 3.780 | V | OCCUS | 28346 |
| ● 3.780 | V | TELE QUEBEC | 28346 |
| 3.780 | V | Test | 28346 |
| 3.780 | V | CHMP alternate | 28346 |
| 3.780 | V | CINF alternate | 28346 |
| 3.780 | V | CINF primaire | 28346 |
| 3.780 | V | CKAC alternate | 28346 |
| 3.780 | V | CKAC primaire | 28346 |
| 3.780 | V | CORUS | 28346 |
| 3.780 | V | ENERGIE 2 /STD RA | 28346 |
| 3.780 | V | RADIO HUMSAFAR | 28346 |
| 3.780 | V | ROCK VELOUR/STD R | 28346 |
| 3.780 | V | TNI | 28346 |
| 3.896 | V | Global Gateway Chann | 6150 |
| 3.896 | V | Global TV (CIII f | 6150 |
| 3.896 | V | Global TV (cable fee | 6150 |
| 3.896 | V | Global TV (Global Re | 6150 |
| 3.896 | V | Blackout Channel | 6150 |
| 3.924 | V | Default setup channe | 3000 |
| 3.924 | V | Tone Calibrate. -20 | 3000 |
| 3.928 | V | Default setup channe | 6150 |
| 3.933 | V | APTN-N | 9300 |
| 3.933 | V | APTN-SE | 9300 |
| 3.933 | V | RC channel | 9300 |
| 3.933 | V | APTN-SW | 9300 |
| 3.933 | V | Tone Calibrate | 9300 |
| 3.936 | V | APTN - North | 6150 |
| 3.936 | V | APTN Winnipeg | 6150 |
| 3.936 | V | TX RC | 6150 |
| 3.936 | V | Tone Calibrate | 6150 |
| 3.962 | H | CCP Download | 6500 |
| 3.962 | H | DCP Download | 6500 |
| 3.962 | H | FTN QPSK A1 | 6500 |
| 3.962 | H | 7F41_7F42 | 6500 |
| 3.962 | H | 7F43_7F80 | 6500 |
| 4.060 | V | Meteo Media | 28346 |
| 4.060 | V | MUSIMAX | 28346 |
| 4.060 | V | MUSIMAX /CLASSIC | 28346 |
| 4.060 | V | MUSIQUE PLUS | 28346 |
| 4.060 | V | RDI | 28346 |
| 4.060 | V | RDI/POP | 28346 |
| 4.060 | V | RDS | 28346 |
| 4.060 | V | TV5 | 28346 |
| 4.060 | V | ASN/TV GUIDE | 28346 |
| 4.060 | V | TEST | 28346 |
| 4.060 | V | ASTRAL BOOM 9B | 28346 |
| 4.060 | V | ASTRAL ENERGIE 9B | 28346 |
| 4.060 | V | CLASSIC | 28346 |
| 4.060 | V | RFI | 28346 |
| 4.060 | V | ROCK DETENTE 9B | 28346 |
| 4.100 | V | The Weather Network | 28346 |
| 4.100 | V | OCCUSE MPEG2 | 28346 |
| 4.100 | V | TWN for Sirius | 28346 |
| 4.121 | H | Default setup channe | 10851 |
| **AMC 15** | | | |
| **255.0 East (105.0 West)** | | | |
| 3.780 | H | TLMD West | 26680 |
| 3.780 | H | TLMD East | 26680 |
| 3.780 | H | TLMD Occasional | 26680 |
| 3.780 | H | NBC Central | 26680 |
| 3.780 | H | NBC Ch 15 | 26680 |
| 3.780 | H | NBC Ch 17 | 26680 |
| 3.780 | H | NBC East | 26680 |
| 3.780 | H | NBC Mountain | 26680 |
| 3.780 | H | NBC Pacific | 26680 |
| 11.740 | H | KCAU | 26000 |
| 11.740 | H | KPTH | 26000 |
| 11.740 | H | KSIN | 26000 |
| 11.740 | H | KTIV | 26000 |
| 11.740 | H | KXNE | 26000 |
| 11.740 | H | WBDT | 26000 |
| 11.740 | H | WDTN | 26000 |
| 11.740 | H | WHIO | 26000 |
| 11.740 | H | WKAS | 26000 |
| 11.740 | H | WKEF | 26000 |
| 11.740 | H | WOUB | 26000 |
| 11.740 | H | WPTD | 26000 |
| 11.740 | H | WRGT | 26000 |
| 11.840 | V | WAHU | 26000 |
| 11.840 | V | WCAV | 26000 |
| 11.840 | V | WHTJ | 26000 |
| 11.840 | V | WVAW | 26000 |
| 11.840 | V | WVIR | 26000 |
| 11.840 | V | D105 | 26000 |
| ●11.969 | V | Channel 1 | 7234 |
| ●11.969 | V | Channel 2 | 7234 |
| ●11.969 | V | Channel 3 | 7234 |
| ●11.969 | V | Channel 4 | 7234 |
| 12.060 | H | WBNS | 26000 |
| 12.060 | H | WCHS | 26000 |
| 12.060 | H | WCMH | 26000 |
| 12.060 | H | WOSU | 26000 |
| 12.060 | H | WOWK | 26000 |
| 12.060 | H | WPBO | 26000 |
| 12.060 | H | WPBY | 26000 |
| 12.060 | H | WQCW | 26000 |
| 12.060 | H | WSAZ | 26000 |
| 12.060 | H | WSFJ | 26000 |
| 12.060 | H | WSYX | 26000 |
| 12.060 | H | WTTE | 26000 |
| 12.060 | H | WVAH | 26000 |

| Freq GHz | Pol | Channel Name | Symbol rate |
|---|---|---|---|
| 12.060 | H | WWHO | 26000 |
| 12.160 | H | KCAU | 26000 |
| 12.160 | H | KMEG | 26000 |
| 12.160 | H | KPTH | 26000 |
| 12.160 | H | KSIN | 26000 |
| 12.160 | H | KTIV | 26000 |
| 12.160 | H | KXNE | 26000 |
| 12.160 | H | WBOY | 26000 |
| 12.160 | H | WDTV | 26000 |
| 12.160 | H | WNPB | 26000 |
| 12.160 | H | WVFX | 26000 |
| **AMC 1** | | | |
| **257.0 East (103.0 West)** | | | |

AMC001CB

| Freq GHz | Pol | Channel Name | Symbol rate |
|---|---|---|---|
| 3.740 | V | GMA Pinoy TV | 29270 |
| 3.740 | V | Cadena del Milagro | 29270 |
| 3.740 | V | DW-TV USA | 29270 |
| 3.740 | V | DW 1 Radio | 29270 |
| 3.740 | V | DW 2 Radio | 29270 |
| 3.740 | V | DW 7 Radio | 29270 |
| 3.840 | H | Broadcast 422 | 26681 |
| 3.840 | H | East | 26681 |
| 3.840 | H | FEEDS12 | 26681 |
| 3.840 | H | FEEDS4 | 26681 |
| 3.840 | H | FEEDS7 | 26681 |
| 3.840 | H | FEEDS8 | 26681 |
| 3.840 | H | FEEDS9 | 26681 |
| 3.840 | H | IONLife | 26681 |
| 3.840 | H | IONPlus | 26681 |
| 3.840 | H | Mountain | 26681 |
| 3.840 | H | Pacific | 26681 |
| 3.840 | H | qubo | 26681 |
| 3.840 | H | Worship | 26681 |
| 3.910 | V | KRMA-TV | 13340 |
| 3.940 | V | Comcast SportsNet | 29270 |
| 3.940 | V | KBDI-TV | 29270 |
| 3.940 | V | KCNC-TV | 29270 |
| 3.940 | V | KDVR-TV | 29270 |
| 3.940 | V | KMGH-TV | 29270 |
| 3.940 | V | KRMA-TV | 29270 |
| 3.940 | V | KTVD-TV | 29270 |
| 3.940 | V | KUSA-TV | 29270 |
| 3.940 | V | KWGN-TV | 29270 |
| 3.940 | V | Private Blue Latino | 29270 |
| 3.940 | V | CN8 | 29270 |
| 3.984 | H | CTN-LARGO, FL E2 | 2734 |
| 4.005 | H | AUX | 18800 |
| 4.005 | H | KEEN | 18800 |
| 4.005 | H | KTLN | 18800 |
| 4.005 | H | SKY1 | 18800 |
| 4.005 | H | TLN | 18800 |
| 4.005 | H | WCFC | 18800 |
| 4.067 | H | Feed | 3680 |
| 4.075 | H | NYS LEGISLATIVE C | 3000 |
| 4.180 | H | MLB Extra Innings | 19510 |

AMC001KB

| Freq GHz | Pol | Channel Name | Symbol rate |
|---|---|---|---|
| 11.760 | H | NBC Feed (Ch 14A) | 26670 |
| 11.840 | H | Ch 11A | 26670 |
| 11.840 | H | Ch 12A | 26670 |
| 11.840 | H | Ch 15A | 26670 |
| 11.840 | H | Ch 16A | 26670 |
| 11.840 | H | Ch 17A | 26670 |
| 11.880 | H | Ch 09A | 26670 |
| 11.880 | H | Ch 10A | 26670 |
| 11.880 | H | Ch 13A | 26670 |
| 11.880 | H | Ch 14A | 26670 |
| 11.938 | V | MCC | 20000 |
| 11.938 | V | MS20 | 20000 |
| 11.938 | V | MS3 | 20000 |
| 11.938 | V | MS4 | 20000 |
| 11.938 | V | MS81 | 20000 |
| 12.022 | H | NBC Newschannel Fe | 4231 |
| 12.028 | H | NBC Newschannel F | 4231 |
| 12.034 | H | NBC Newschannel Fe | 4231 |
| 12.044 | H | NBC Newschannel Feed | 4231 |
| 12.052 | H | NBC Newschannel Fe | 4231 |
| 12.062 | V | Market Connect Netwo | 4880 |
| 12.065 | H | NBC Newschannel Feed | 4231 |
| 12.068 | H | NBC Newschannel F | 4231 |
| 12.083 | H | NBC Newschannel Feed | 4231 |
| 12.086 | H | NBC Newschannel F | 4231 |
| 12.092 | H | NBC Newschannel Feed | 4231 |
| 12.096 | V | PENTAGON DOLBY AC | 20000 |
| 12.096 | V | PENTAGON CHANNEL | 20000 |
| 12.105 | V | The Pentagon Channel | 20000 |
| 12.110 | H | NBC Newschannel Feed | 15000 |
| 12.115 | H | NBC Newschannel Fe | 4231 |
| 12.126 | H | NBC Newschannel Feed | 4231 |
| 12.132 | H | AC1.21F | 4231 |
| 12.142 | V | MS90 | 20000 |
| 12.142 | V | MS92 | 20000 |
| 12.142 | V | MS91 | 20000 |
| 12.142 | V | MS61 | 20000 |
| 12.177 | V | Channel Two | 20000 |
| 12.177 | V | Channel One | 20000 |
| 12.177 | V | FXTV Channel 150 | 20000 |
| 12.177 | V | FXTV Channel 200 | 20000 |
| 12.177 | V | Test Channel 100 | 20000 |
| 4.070 | H | Liberty Channel | 2300 |
| **DIRECTV 4S/8** | | | |
| **AMC 2,4** | | | |
| **259.0 East (101.0 West)** | | | |

AMC004CA

| Freq GHz | Pol | Channel Name | Symbol rate |
|---|---|---|---|
| 3.709 | V | CTVN_PGM_1 | 4578 |
| 3.709 | V | CTVN_PGM_2 | 4578 |
| 3.716 | V | Golden Eagle Broadca | 4340 |
| 3.722 | H | SUPERCANAL CARIBE | 3617 |
| 3.773 | V | Channel 1 | 4442 |
| 3.860 | H | TLMD East | 26670 |
| 3.860 | H | TLMD Occasional | 26670 |
| 3.860 | H | TLMD West | 26670 |
| 3.860 | H | NBC Central | 26670 |
| 3.860 | H | NBC Ch 15 | 26670 |
| 3.860 | H | NBC Ch 17 | 26670 |
| 3.860 | H | NBC East | 26670 |
| 3.860 | H | NBC Mountain | 26670 |

| Freq GHz | Pol | Channel Name | Symbol rate |
|---|---|---|---|
| 3.860 | H | NBC Pacific | 26670 |
| 3.880 | V | CNBC | 28347 |
| 3.880 | V | Sci Fi West | 28347 |
| 3.880 | V | FAMILYLAND-TV | 28347 |
| 3.920 | V | A_E West | 28347 |
| 3.920 | V | BET West | 28347 |
| 3.920 | V | Bravo West | 28347 |
| 3.920 | V | Cartoon West | 28347 |
| 3.920 | V | Court TV West | 28347 |
| 3.920 | V | Food Channel West | 28347 |
| 3.920 | V | HGTV West | 28347 |
| 3.920 | V | History West | 28347 |
| 3.920 | V | Oxygen West | 28347 |
| 3.920 | V | The Discovery Channe | 28347 |
| 3.920 | V | The Learning Channel | 28347 |
| 3.920 | V | USA West | 28347 |
| 3.940 | H | AE | 28347 |
| 3.940 | H | EWTN | 28347 |
| 3.940 | H | Food Network | 28347 |
| 3.940 | H | HGTV | 28347 |
| 3.940 | H | History Channel | 28347 |
| 3.940 | H | Inspiration TV | 28347 |
| 3.940 | H | Lifetime | 28347 |
| 3.940 | H | Lifetime Movie Netwo | 28347 |
| 3.940 | H | Lifetime West | 28347 |
| 3.940 | H | Oxygen East | 28347 |
| 3.940 | H | TBN | 28347 |
| 3.940 | H | WGN | 28347 |
| 3.958 | V | FAMILYLAND-TV | 6349 |
| 3.973 | V | Service 1 | 4362 |
| 3.980 | H | Homepage | 24074 |
| 3.982 | H | HD Movies | 14630 |
| 3.982 | H | Homepage | 14630 |
| 3.982 | H | Install Interface | 14630 |
| 3.982 | H | Just In Pg1 | 14630 |
| 3.982 | H | Just In Pg2 | 14630 |
| 3.982 | H | Kids Genre | 14630 |
| 3.982 | H | News Genre | 14630 |
| 3.982 | H | Sports Genre | 14630 |
| 4.062 | H | AMC East | 28347 |
| 4.062 | H | BET East | 28347 |
| 4.062 | H | Cartoon Network East | 28347 |
| 4.062 | H | Comedy Central East | 28347 |
| 4.062 | H | Disney East | 28347 |
| 4.062 | H | MTV East | 28347 |
| 4.062 | H | Nickelodeon East | 28347 |
| 4.062 | H | Sci-Fi Channel East | 28347 |
| 4.062 | H | The Discovery Channe | 28347 |
| 4.062 | H | TLC East | 28347 |
| 4.062 | H | USA East | 28347 |
| 4.062 | H | VH1 East | 28347 |
| 4.080 | V | Animal Planet | 28347 |
| 4.080 | V | C-SPAN | 28347 |
| 4.080 | V | C-SPAN 2 | 28347 |
| 4.080 | V | CNN | 28347 |
| 4.080 | V | Discovery Health | 28347 |
| 4.080 | V | Golf Channel | 28347 |
| 4.080 | V | Great American Count | 28347 |
| 4.080 | V | Headline News | 28347 |
| 4.080 | V | HSN | 28347 |
| 4.080 | V | QVC | 28347 |
| 4.080 | V | Travel Channel | 28347 |
| 4.080 | V | TV One | 28347 |
| 4.100 | H | FAMILYLAND-TV | 28347 |
| 4.175 | V | FE TV - Far East T | 4340 |
| 4.175 | V | La Familia Network | 4340 |
| 4.175 | V | FE - Far East Radio | 4340 |

AMC004KA

| Freq GHz | Pol | Channel Name | Symbol rate |
|---|---|---|---|
| 11.704 | V | KUIL TV FOX64 | 2170 |
| 11.730 | V | Data | 5000 |
| 11.791 | V | TAN TV 4 | 19700 |
| 11.807 | H | Data | 2713 |
| 11.820 | H | TV English | 5700 |
| 11.820 | H | TV Latino | 5700 |
| 11.820 | H | 3ABN Radio | 5700 |
| 11.820 | H | Radio 74 | 5700 |
| 11.845 | V | Data | 2170 |
| 11.860 | H | TAN 1/KBS | 28140 |
| 11.860 | H | TAN 2/MBC | 28140 |
| 11.860 | H | TAN 3/SBS | 28140 |
| 11.860 | H | TAN 4/EBS | 28140 |
| 11.860 | H | TAN 5/YTN | 28140 |
| 11.860 | H | APOSTOLIC | 28140 |
| 11.860 | H | Bethel TV | 28140 |
| 11.860 | H | GCN | 28140 |
| 11.860 | H | Gospel Music TV | 28140 |
| 11.860 | H | TAN TV 6 | 28140 |
| 11.860 | H | TAN TV 7 | 28140 |
| ●11.983 | H | ATN SERVICE 2 | 5900 |
| 11.983 | H | ATN/ACN SERVICE 1 | 5900 |
| 11.983 | H | ESPERANZA TV | 5900 |
| 11.983 | H | HOPE CHANNEL | 5900 |
| 11.983 | H | LIFETALK RADIO | 5900 |
| 12.018 | H | Service 1 | 2034 |
| 12.025 | H | 401 (unknown channel | 5207 |
| 12.025 | H | 402 (unknown channel | 5207 |
| 12.060 | H | 21-MSNBC AC3 | 26700 |
| 12.060 | H | 22-CourtTV AC3 | 26700 |
| 12.060 | H | 23-Versus AC3 | 26700 |
| 12.060 | H | 27-CNBC AC3 | 26700 |
| 12.060 | H | 29-A E Biography AC3 | 26700 |
| 12.060 | H | 01-MSNBC | 26700 |
| 12.060 | H | 02-CourtTV | 26700 |
| 12.060 | H | 03-Versus | 26700 |
| 12.060 | H | 04-National Geograph | 26700 |
| 12.060 | H | 05-Fox News | 26700 |
| 12.060 | H | 06-Weather Channel | 26700 |
| 12.060 | H | 07-CNBC | 26700 |
| 12.060 | H | 08-A E History | 26700 |
| 12.060 | H | 10-A E | 26700 |
| 12.060 | H | 9-A E Biography | 26700 |
| 12.060 | H | Enc 12 Test | 26700 |
| 12.060 | H | Enc11 Test | 26700 |
| 12.120 | V | CMC | 30000 |
| 12.120 | V | ETN | 30000 |
| 12.120 | V | HRT 1 | 30000 |
| 12.120 | V | Planeta | 30000 |
| 12.120 | V | BVN | 30000 |
| 12.120 | V | CGN TV | 30000 |
| 12.120 | V | HRT TV | 30000 |
| 12.120 | V | TRWAM | 30000 |
| 12.120 | V | CMC Radio | 30000 |
| 12.120 | V | HRT Radio | 30000 |
| 12.120 | V | BVN RNW 1 Radio | 30000 |
| 12.120 | V | BVN RNW 2 Radio | 30000 |
| 12.120 | V | BVN RNW 3 Radio | 30000 |
| 12.120 | V | BVN RNW 5 Radio | 30000 |
| 12.120 | V | BVN RNW 6 Radio | 30000 |
| 12.120 | V | BVN Rvi 1 Radio | 30000 |
| 12.120 | V | Radio Maryja | 30000 |
| 12.169 | H | RTP Internacional | 3003 |



**TV** Digital — **Radio** Digital — **TV** Digital Crypt — **Radio** Digital Crypt — **TV** High Definition — **TV** High Definition Crypt

## DIRECTV 4S/8
## AMC 2,4
### 259.1 East (100.9 West)

AMC004KB

| Freq GHz | Pol | Channel Name | Symbol rate |
|---|---|---|---|
| 11.654 | V | BVN | 30000 |
| 11.654 | V | CGN TV | 30000 |
| 11.654 | V | HRT TV | 30000 |
| 11.654 | V | HRT Radio | 30000 |
| 11.654 | V | BVN RNW 1 Radio | 30000 |
| 11.654 | V | BVN RNW 2 Radio | 30000 |
| 11.654 | V | BVN RNW 3 Radio | 30000 |
| 11.654 | V | BVN RNW 5 Radio | 30000 |
| 11.654 | V | BVN RNW 6 Radio | 30000 |
| 11.654 | V | BVN Rvi 1 Radio | 30000 |
| 11.655 | V | BVN | 30000 |
| 11.655 | V | CGN TV | 30000 |
| 11.655 | V | HRT TV | 30000 |
| 11.655 | V | HRT Radio | 30000 |
| 11.655 | V | BVN RNW 1 Radio | 30000 |
| 11.655 | V | BVN RNW 2 Radio | 30000 |
| 11.655 | V | BVN RNW 3 Radio | 30000 |
| 11.655 | V | BVN RNW 5 Radio | 30000 |
| 11.655 | V | BVN RNW 6 Radio | 30000 |
| 11.655 | V | BVN Rvi 1 Radio | 30000 |
| ● 12.120 | V | BVN | 30000 |
| ● 12.120 | V | CGN TV | 30000 |
| ● 12.120 | V | HRT TV | 30000 |
| ● 12.120 | V | HRT Radio | 30000 |
| ● 12.120 | V | BVN RNW 1 Radio | 30000 |
| ● 12.120 | V | BVN RNW 2 Radio | 30000 |
| ● 12.120 | V | BVN RNW 3 Radio | 30000 |
| ● 12.120 | V | BVN RNW 5 Radio | 30000 |
| ● 12.120 | V | BVN RNW 6 Radio | 30000 |
| ● 12.120 | V | BVN Rvi 1 Radio | 30000 |

## GALAXY 16
### 261.0 East (99.0 West)

GXY04RCB

| Freq GHz | Pol | Channel Name | Symbol rate |
|---|---|---|---|
| 3.742 | V | Adhoc Ch 1 | 28340 |
| 3.742 | V | Adhoc Ch 3 | 28340 |
| 3.742 | V | Adhoc Sig 1 Ch 2 | 28340 |
| 3.742 | V | Open | 28340 |
| 3.742 | V | Open Ch 4 | 28340 |
| 3.744 | H | SNG | 1953 |
| 3.776 | H | {Empty} | 3255 |
| 3.780 | V | WB Los Angeles Fe | 26000 |
| 3.786 | H | FAMILYNET | 5000 |
| 3.790 | H | KCHF-TV | 3256 |
| 3.811 | H | SNG | 3256 |
| 3.820 | V | WB Los Angeles Fee | 26000 |
| 3.825 | H | SCOPUS-NET-TECH | 2604 |
| 3.825 | H | Telesur Campeche | 2604 |
| 3.880 | H | Red Canal 2 | 29688 |
| 3.880 | H | Red Canal 5 | 29688 |
| 3.880 | H | Red Canal 9 | 29688 |
| 3.917 | H | TELEPUERTO.TUXTLA | 3124 |
| 3.928 | H | TELEVER | 3124 |
| 3.952 | H | {Empty} | 12299 |
| 4.000 | H | LESEA Network | 26400 |
| 4.000 | H | WHT - 1 | 26400 |
| 4.000 | H | WHT - 2 | 26400 |
| 4.000 | H | Angel 1&2 | 26400 |
| 4.000 | H | Angel 1&2 - 2 | 26400 |
| 4.000 | H | Angel 3&4 | 26400 |
| 4.000 | H | Angel 3&4 - 2 | 26400 |
| 4.000 | H | Angel 4&5 | 26400 |
| 4.000 | H | Angel 4&5 - 2 | 26400 |
| 4.000 | H | Future 1 | 26400 |
| 4.000 | H | Future 1 - 2 | 26400 |
| 4.000 | H | Future 2 | 26400 |
| 4.000 | H | Future 2 - 2 | 26400 |
| 4.000 | H | Future 3 | 26400 |
| 4.000 | H | Future 3 - 2 | 26400 |
| 4.000 | H | Pulse FM | 26400 |
| 4.000 | H | Pulse FM - 2 | 26400 |
| 4.000 | H | Q-Tones | 26400 |
| 4.140 | V | Feed (ABC HD NET-2 | 29127 |
| 4.153 | H | SERVICE 1 | 13235 |
| 4.180 | V | Cartoon Network Lati | 19510 |
| 4.180 | V | Discovery Channel Me | 19510 |
| 4.180 | V | Fox Sports Latin Ame | 19510 |
| 4.180 | V | MultiCinema | 19510 |
| 4.180 | V | MultiPremier | 19510 |
| 4.180 | V | MVS Feeds | 19510 |

GXY04RKH

| Freq GHz | Pol | Channel Name | Symbol rate |
|---|---|---|---|
| 11.800 | H | America's Voice | 19510 |
| 11.800 | H | ESPN Extra PPV | 19510 |
| 11.800 | H | ESPN PPV 1 | 19510 |
| 11.800 | H | ESPN PPV 2 | 19510 |
| 11.800 | H | ESPN PPV 3 | 19510 |
| 11.800 | H | ESPN PPV 4 | 19510 |
| 11.800 | H | ESPN PPV 5 | 19510 |
| 11.800 | H | ESPN PPV 6 | 19510 |
| 11.800 | H | ESPN Now | 19510 |
| 11.840 | H | Bravo US | 19510 |
| 11.840 | H | HBO 2 West | 19510 |
| 11.840 | H | HBO Signature West | 19510 |
| 11.840 | H | HGTV US | 19510 |
| 11.840 | H | Love Stories West | 19510 |
| 11.840 | H | Mystery West | 19510 |
| 11.840 | H | Showtime Too West | 19510 |
| 11.840 | H | Starz! Theater West | 19510 |
| 11.840 | H | The History Channel | 19510 |
| 11.840 | H | The Movie Channel We | 19510 |
| 11.840 | H | Westerns West | 19510 |
| 11.920 | H | BBC America | 19510 |
| 11.920 | H | Discovery Health | 19510 |
| 11.920 | H | Discovery Kids | 19510 |
| 11.920 | H | ESPNews | 19510 |
| 11.920 | H | Fox Sports World | 19510 |
| 11.920 | H | Game Show Network | 19510 |
| 11.920 | H | IFC US | 19510 |
| 11.920 | H | Noggin | 19510 |
| 11.920 | H | Playboy TV | 19510 |
| 11.920 | H | The Golf Channel | 19510 |
| 11.920 | H | The Science Channel | 19510 |
| 11.920 | H | Turner Classic Movie | 19510 |
| 11.960 | H | Feed | 26000 |
| 12.060 | V | Action West | 19510 |
| 12.060 | V | Cinemax West | 19510 |
| 12.060 | V | Encore West | 19510 |
| 12.060 | V | HBO Family West | 19510 |
| 12.060 | V | HBO West | 19510 |
| 12.060 | V | MoreMax West | 19510 |
| 12.060 | V | Showtime Extreme Wes | 19510 |
| 12.060 | V | Showtime Showcase We | 19510 |
| 12.060 | V | Showtime West | 19510 |
| 12.060 | V | Starz! West | 19510 |
| 12.060 | V | The Movie Channel Xt | 19510 |
| 12.060 | V | True Stories West | 19510 |
| 12.061 | H | USPS TV | 3125 |
| 12.077 | H | PSTN 15 | 9000 |
| 12.077 | H | PSTN 17 | 9000 |
| 12.077 | H | PSTN 19 | 9000 |
| 12.077 | H | PSTN 23 | 9000 |
| 12.160 | H | DIY - Do It Yourse | 19510 |
| 12.160 | H | Fox Gold Atlantic | 19510 |
| 12.160 | H | Fox Gold Central | 19510 |
| 12.160 | H | Fox Gold Pacific | 19510 |
| 12.160 | H | Great American Count | 19510 |
| 12.160 | H | MBC Network | 19510 |
| 12.160 | H | NUE TV | 19510 |
| 12.160 | H | The Word Network | 19510 |

GXY04RKV

| Freq GHz | Pol | Channel Name | Symbol rate |
|---|---|---|---|
| 11.780 | V | A&E History Internat | 19510 |
| 11.780 | V | Lifetime Movie Netwo | 19510 |
| 11.780 | V | MTV 2 US | 19510 |
| 11.780 | V | MuchMusic USA | 19510 |
| 11.780 | V | Nick Gas | 19510 |
| 11.780 | V | Style | 19510 |
| 11.780 | V | The Biography Channe | 19510 |
| 11.780 | V | Toon Disney | 19510 |
| 11.780 | V | TRIO | 19510 |
| 11.820 | V | Discovery Civilizati | 19510 |
| 11.820 | V | Discovery Home & Lei | 19510 |
| 11.820 | V | Discovery Wings | 19510 |
| 11.820 | V | ESPN 2 | 19510 |
| 11.820 | V | ESPN Alternate | 19510 |
| 11.820 | V | National Geographic | 19510 |
| 11.820 | V | Speed Channel | 19510 |
| 11.820 | V | VH1 Classic | 19510 |
| 11.820 | V | VH1 Country | 19510 |
| 11.820 | V | 50's Golden Oldies | 19510 |
| 11.820 | V | 70's Oldies | 19510 |
| 11.820 | V | 80's Hits | 19510 |
| 11.820 | V | Acid Jazz | 19510 |
| 11.820 | V | Album Rock | 19510 |
| 11.820 | V | Children's | 19510 |
| 11.820 | V | Classic Hits Blend | 19510 |
| 11.820 | V | Coffee House Rock | 19510 |
| 11.820 | V | Contemporary Christi | 19510 |
| 11.820 | V | Contemporary Instrum | 19510 |
| 11.820 | V | Dance | 19510 |
| 11.820 | V | Great Standards | 19510 |
| 11.820 | V | Holidays and Happeni | 19510 |
| 11.820 | V | Hot Country | 19510 |
| 11.820 | V | Lite Jazz | 19510 |
| 11.820 | V | New Age | 19510 |
| 11.820 | V | R&B Rap Hits | 19510 |
| 11.820 | V | Reggae | 19510 |
| 11.820 | V | Retro Dance | 19510 |
| 11.820 | V | Soft Hits | 19510 |
| 11.880 | H | Bravo US | 19510 |
| 11.880 | H | ESPN Classic | 19510 |
| 11.880 | H | HBO 2 East | 19510 |
| 11.880 | H | HBO Signature East | 19510 |
| 11.880 | H | HGTV US | 19510 |
| 11.880 | H | Love Stories East | 19510 |
| 11.880 | H | Mystery East | 19510 |
| 11.880 | H | Showtime Too East | 19510 |
| 11.880 | H | Starz! Theater East | 19510 |
| 11.880 | H | The History Channel | 19510 |
| 11.880 | H | The Movie Channel Ea | 19510 |
| 11.880 | H | Westerns East | 19510 |
| 11.880 | H | 60's Oldies | 19510 |
| 11.880 | H | Adult Contemporary | 19510 |
| 11.880 | H | Classic Rock | 19510 |
| 11.880 | H | Lite Classical | 19510 |
| 11.880 | H | Urban Beat | 19510 |
| 11.900 | V | In Demand 1 | 19510 |
| 11.900 | V | In Demand 2 | 19510 |
| 11.900 | V | In Demand 3 | 19510 |
| 11.900 | V | In Demand 4 | 19510 |
| 11.900 | V | In Demand 5 | 19510 |
| 11.900 | V | In Demand 6 | 19510 |
| 11.900 | V | Outdoor Life Network | 19510 |
| 11.900 | V | Sci Fi | 19510 |
| 11.900 | V | The Hot Network | 19510 |
| 11.900 | V | TV Land | 19510 |
| 11.900 | V | WE - Women's Enterta | 19510 |
| 11.900 | V | Alternative Rock | 19510 |
| 11.900 | V | Hottest Hits | 19510 |
| 11.900 | V | Jazz Vocal Blends | 19510 |
| 11.900 | V | Listening Room | 19510 |
| 11.900 | V | Modern Country | 19510 |
| 11.940 | V | BET Action PPV | 19510 |
| 11.940 | V | BET on Jazz | 19510 |
| 11.940 | V | Black Starz! East | 19510 |
| 11.940 | V | Newsworld Internatio | 19510 |
| 11.940 | V | Ovation - The Arts N | 19510 |
| 11.940 | V | Spice 2 | 19510 |
| 11.940 | V | Sundance Channel Wes | 19510 |
| 11.940 | V | The Box Edge | 19510 |
| 11.940 | V | The International Ch | 19510 |
| 11.940 | V | VH1 Soul | 19510 |
| 11.940 | V | Blues | 19510 |
| 11.940 | V | Classic Jazz | 19510 |
| 11.940 | V | Gospel | 19510 |
| 11.940 | V | Lite Classical | 19510 |
| 11.940 | V | Rap | 19510 |
| 11.940 | V | Symphonic | 19510 |
| 11.940 | V | Trends | 19510 |
| 11.940 | V | Urban Adult Contempo | 19510 |
| 12.040 | H | Action East | 19510 |
| 12.040 | H | Cinemax East | 19510 |
| 12.040 | H | Encore East | 19510 |
| 12.040 | H | HBO East | 19510 |
| 12.040 | H | HBO Family East | 19510 |
| 12.040 | H | MoreMax East | 19510 |
| 12.040 | H | Showtime East | 19510 |
| 12.040 | H | Showtime Extreme Eas | 19510 |
| 12.040 | H | Showtime Showcase Ea | 19510 |
| 12.040 | H | Starz! East | 19510 |
| 12.040 | H | The Movie Channel Xt | 19510 |
| 12.040 | H | True Stories East | 19510 |
| 12.140 | V | Bloomberg TV US | 19510 |
| 12.140 | V | Fox Movie Channel | 19510 |
| 12.140 | V | GoodLife TV Network | 19510 |
| 12.140 | V | Spice | 19510 |
| 12.140 | V | Tech TV | 19510 |
| 12.140 | V | The Insirational Lif | 19510 |
| 12.140 | V | The Outdoor Channel | 19510 |
| 12.140 | V | Trinity Broadcasting | 19510 |
| 12.187 | V | 01-CNN | 8500 |
| 12.187 | V | 02-MSNBC | 8500 |
| 12.187 | V | 03-CNBC | 8500 |
| 12.187 | V | Alt 01-CNN | 8500 |
| 12.187 | V | IdeaCast | 8500 |
| 12.187 | V | 04-Channel 4 | 8500 |

## North America
## GALAXY 25
### 263.0 East (97.0 West)

GXY025KB

| Freq GHz | Pol | Channel Name | Symbol rate |
|---|---|---|---|
| ● 11.716 | V | AL Anwar | 22000 |
| ● 11.716 | V | Best Turk | 22000 |
| ● 11.716 | V | DIDAR GLOBAL TV | 22000 |
| ● 11.716 | V | GBN | 22000 |
| ● 11.716 | V | Heaven Vision TV | 22000 |
| ● 11.716 | V | NTD | 22000 |
| ● 11.716 | V | Rang A Rang | 22000 |
| ● 11.716 | V | Rang-A-Rang | 22000 |
| ● 11.716 | V | RTA | 22000 |
| ● 11.716 | V | Supreme Master TV | 22000 |
| ● 11.716 | V | SUROYO TV | 22000 |
| ● 11.716 | V | TOLO TV | 22000 |
| ● 11.716 | V | TRISTIT USA | 22000 |
| ● 11.716 | V | VBS - Vietnam TV | 22000 |
| ● 11.716 | V | Accent Radio | 22000 |
| ● 11.716 | V | American Liberty Rad | 22000 |
| ● 11.716 | V | KNLB FM Christian | 22000 |
| ● 11.716 | V | The Radio Nueva Vida | 22000 |
| ● 11.716 | V | VBS Radio | 22000 |
| 11.789 | V | BN BOSNIA | 28125 |
| ● 11.789 | V | Globecast 64 | 28125 |
| 11.789 | V | Orange TV | 28125 |
| 11.789 | V | TVK | 28125 |
| 11.789 | V | Al Karma | 28125 |
| 11.789 | V | AL MAGHRIBIA | 28125 |
| 11.789 | V | Canal Algerie | 28125 |
| ● 11.789 | V | GlobeCast 65 | 28125 |
| 11.789 | V | KBN TV | 28125 |
| 11.789 | V | Kuwait 2 | 28125 |
| 11.789 | V | Kuwait 3 | 28125 |
| 11.789 | V | MHz Worldview | 28125 |
| 11.789 | V | BN Bosnia Radio | 28125 |
| 11.789 | V | Al Maghiribia Radio | 28125 |
| 11.789 | V | Radio Internationale | 28125 |
| 11.789 | V | TDA-1 | 28125 |
| ● 11.836 | V | AL-ALAM | 20765 |
| ● 11.836 | V | Appadana | 20765 |
| ● 11.836 | V | Daystar TV | 20765 |
| ● 11.836 | V | IRIB 2 | 20765 |
| ● 11.836 | V | IRINN | 20765 |
| ● 11.836 | V | NTD | 20765 |
| ● 11.836 | V | Payam E Azadi | 20765 |
| ● 11.836 | V | Spare/OPEN | 20765 |
| ● 11.836 | V | TV 7 TUNIS | 20765 |
| ● 11.836 | V | TV Nejat | 20765 |
| ● 11.836 | V | INT 1 | 20765 |
| ● 11.836 | V | INT 3 | 20765 |
| ● 11.836 | V | INT 4 | 20765 |
| ● 11.836 | V | nextshared/CTR | 20765 |
| ● 11.836 | V | Overcomer/Star4 | 20765 |
| ● 11.836 | V | Quran Radio | 20765 |
| ● 11.836 | V | RADIO MAAREF | 20765 |
| ● 11.836 | V | RADIO SARASARI | 20765 |
| ● 11.836 | V | Radio Seday-e Ashna | 20765 |
| ● 11.836 | V | RBN radio | 20765 |
| ● 11.836 | V | STAR1&2 | 20765 |
| ● 11.836 | V | Star5 and AVR | 20765 |
| ● 11.836 | V | Tunis Radio1 | 20765 |
| ● 11.836 | V | Tunis Radio2 | 20765 |
| 11.867 | V | Duna TV | 22000 |
| 11.867 | V | Ariana TV | 22000 |
| 11.867 | V | AssyriaSat | 22000 |
| 11.867 | V | Coptic TV | 22000 |
| 11.867 | V | GlobeCast 406 | 22000 |
| 11.867 | V | Salaam TV | 22000 |
| 11.867 | V | TelePadrePio | 22000 |
| ● 11.867 | V | Ten TV | 22000 |
| ● 11.867 | V | Time TV | 22000 |
| 11.867 | V | Kossuth Radio | 22000 |
| 11.867 | V | Amrit Bani | 22000 |
| 11.867 | V | Darbar Sahib | 22000 |
| 11.867 | V | Nanak Parchar | 22000 |
| 11.867 | V | Nishkaam | 22000 |
| 11.874 | H | RTV21 | 22000 |
| 11.874 | H | TV Klan | 22000 |
| 11.874 | H | Alsat | 22000 |
| 11.874 | H | Ariana Afghan | 22000 |
| 11.874 | H | DMC | 22000 |
| 11.874 | H | KJC TV | 22000 |
| 11.874 | H | LTV World | 22000 |
| 11.874 | H | RTV21 Plus | 22000 |
| 11.874 | H | Telepace | 22000 |
| ● 11.874 | H | USArmenia | 22000 |
| 11.874 | H | GLR Radio 1 | 22000 |
| 11.874 | H | GLR Radio 2 | 22000 |
| 11.874 | H | RTV21 Radio | 22000 |
| 11.874 | H | TV Klan Radio | 22000 |
| 11.874 | H | Alsat Radio | 22000 |
| 11.874 | H | DZAR radio | 22000 |
| 11.874 | H | Futbol DP | 22000 |
| 11.898 | V | Amrita TV | 22000 |
| 11.898 | V | Asianet | 22000 |
| 11.898 | V | Asianet News | 22000 |
| 11.898 | V | Asianet Plus | 22000 |
| 11.898 | V | RTR Planeta | 22000 |
| 11.898 | V | RTR Sport | 22000 |
| 11.898 | V | SetantaSports | 22000 |
| 11.898 | V | Shalom TV | 22000 |
| 11.898 | V | ARTN TV | 22000 |
| 11.898 | V | Belarus TV | 22000 |
| 11.898 | V | NTA | 22000 |
| 11.935 | H | Armenian TV | 20000 |
| 11.935 | H | Bostel TV | 20000 |
| 11.935 | H | DFH-1 | 20000 |
| 11.935 | H | DFH-2 | 20000 |
| 11.935 | H | DFH-3 | 20000 |
| 11.935 | H | DFH-4 | 20000 |
| 11.935 | H | DFH-5 | 20000 |
| 11.935 | H | DFHSports | 20000 |
| 11.935 | H | MBN TV | 20000 |
| 11.935 | H | TV Romania | 20000 |
| 11.935 | H | Armenian Radio | 20000 |
| 11.935 | H | Bostel Radio | 20000 |
| 11.935 | H | DFHFM-1 | 20000 |
| 11.935 | H | DFHFM-2 | 20000 |
| 11.935 | H | Romanian Radio | 20000 |
| ● 11.966 | H | AGHAPY TV | 22000 |
| 11.966 | H | AL FAYHAA | 22000 |
| 11.966 | H | CNL | 22000 |
| 11.966 | H | Kurdsat | 22000 |
| 11.966 | H | Lao Star USA | 22000 |
| 11.966 | H | MRTV/Al Jareeah | 22000 |
| 11.966 | H | RODNOY | 22000 |
| 11.966 | H | TGN | 22000 |
| 11.966 | H | The Word Network | 22000 |
| 11.966 | H | TOTV | 22000 |
| ● 11.966 | H | TRISTIT USA | 22000 |
| 11.966 | H | TRT | 22000 |
| 11.966 | H | VTV-4 | 22000 |
| ● 11.966 | H | EPersian Radio | 22000 |
| 11.966 | H | Kol Haneshama | 22000 |
| 11.966 | H | Spirit1 | 22000 |
| 11.966 | H | TGN Radio | 22000 |
| 11.991 | V | CTN | 22000 |
| 11.991 | V | ERI TV | 22000 |
| 11.991 | V | Pink Plus | 22000 |
| 11.991 | V | Setanta 2 | 22000 |
| 11.991 | V | Kuwait TV | 22000 |
| 11.991 | V | M2 Morocco | 22000 |
| 11.991 | V | RTS Diaspora | 22000 |
| 11.991 | V | Setanta Adhoc | 22000 |
| 11.991 | V | Simay Azadi | 22000 |
| 11.991 | V | Radio Pink | 22000 |
| ● 11.991 | V | Radio Zara FM | 22000 |
| 11.991 | V | M2 Morocco Radio | 22000 |
| 11.991 | V | RSI Radio | 22000 |
| 11.991 | V | Test 243 | 22000 |
| 11.998 | H | KISB-001 | 20000 |
| 11.998 | H | KISB-002 | 20000 |
| 11.998 | H | KISB-003 | 20000 |
| 11.998 | H | KISB-004 | 20000 |
| 11.998 | H | KISB-005 | 20000 |
| 11.998 | H | KISB-006 | 20000 |
| 11.998 | H | Al Jazeera English | 20000 |
| 11.998 | H | KISB-007 | 20000 |
| 11.998 | H | Saudi TV2 | 20000 |
| 11.998 | H | TV Cancao Nova | 20000 |
| 11.998 | H | KISB Radio-001 | 20000 |
| 11.998 | H | Radio Cancao Nova | 20000 |
| 12.008 | V | Knowledge Channel | 3000 |
| 12.053 | V | NTV Hayat | 22000 |
| 12.053 | V | Pink Extra | 22000 |
| 12.053 | V | RSC 1 Romania | 22000 |
| 12.053 | V | RSC 2 Romania | 22000 |
| 12.053 | V | RSC3 PROTV INT | 22000 |
| 12.053 | V | Al Forat | 22000 |
| 12.053 | V | GlobeCast 1 | 22000 |
| 12.053 | V | GlobeCast 155 | 22000 |
| 12.053 | V | GlobeCast 402 | 22000 |
| 12.053 | V | GlobeCast 502 | 22000 |
| 12.053 | V | GlobeCast 51 | 22000 |
| 12.053 | V | GlobeCast 709 | 22000 |
| 12.053 | V | GlobeCast 813 | 22000 |
| 12.053 | V | Press TV | 22000 |
| 12.053 | V | '70s | 22000 |
| 12.053 | V | '80s | 22000 |
| 12.053 | V | Adult Alt. | 22000 |
| 12.053 | V | Adult Top 40 | 22000 |
| 12.053 | V | Arena Rock | 22000 |
| 12.053 | V | Big Band | 22000 |
| 12.053 | V | Bluegrass | 22000 |
| 12.053 | V | Blues | 22000 |
| 12.053 | V | Christian | 22000 |
| 12.053 | V | Class/Master | 22000 |
| 12.053 | V | Classic R&B | 22000 |
| 12.053 | V | Classic rock | 22000 |
| 12.053 | V | Classic/Ctry | 22000 |
| 12.053 | V | Cont/Instrum | 22000 |
| 12.053 | V | Dance | 22000 |
| 12.053 | V | Easy/Listen | 22000 |
| 12.053 | V | Hip Hop / R&B | 22000 |
| 12.053 | V | Hit List | 22000 |
| 12.053 | V | Int'l/Love | 22000 |
| 12.053 | V | Jazz | 22000 |
| 12.053 | V | Light/Class | 22000 |
| 12.053 | V | Lite Hits | 22000 |
| 12.053 | V | Mexicana | 22000 |
| 12.053 | V | Oldies | 22000 |
| 12.053 | V | Party/Favs | 22000 |
| 12.053 | V | Pop Latino | 22000 |
| 12.053 | V | R&B Soul | 22000 |
| 12.053 | V | Reggae | 22000 |
| 12.053 | V | Reggaeton | 22000 |
| 12.053 | V | Retro-Active | 22000 |
| 12.053 | V | Rock | 22000 |
| 12.053 | V | Rock/Espanol | 22000 |
| 12.053 | V | Salsa/Mereng | 22000 |
| 12.053 | V | Seasons | 22000 |
| 12.053 | V | Singer/Stand | 22000 |
| 12.053 | V | Smooth Jazz | 22000 |
| 12.053 | V | Soundscapes | 22000 |
| 12.053 | V | Taste/Italy | 22000 |
| 12.053 | V | Tejano | 22000 |
| 12.053 | V | Today's/Ctry | 22000 |
| 12.053 | V | Al Forat Radio | 22000 |
| 12.053 | V | RFI /MC M O | 22000 |
| 12.053 | V | RFI Francaise | 22000 |
| 12.084 | V | ASC Flix | 22000 |
| 12.084 | V | ASC Xtra | 22000 |
| 12.084 | V | Globecast 157 | 22000 |
| 12.084 | V | Tele5 | 22000 |
| 12.084 | V | TV Polonia | 22000 |
| 12.084 | V | TVP Info | 22000 |
| ● 12.084 | V | Al Kass | 22000 |
| 12.084 | V | AZ TV | 22000 |
| 12.084 | V | EBRU TV | 22000 |
| 12.084 | V | Samanyolu TV | 22000 |
| 12.084 | V | AZ Radio | 22000 |
| 12.084 | V | PolskieRadio1 | 22000 |
| 12.084 | V | PolskieRadio3 | 22000 |
| ● 12.090 | H | IPtv News1 | 20000 |
| ● 12.090 | H | Lakorn Thai | 20000 |
| ● 12.090 | H | V Smile | 20000 |
| 12.090 | H | ZHONG | 20000 |
| 12.090 | H | ABN | 20000 |
| 12.090 | H | ANDISHEH TV | 20000 |
| 12.090 | H | ARIA INTERNATIONA | 20000 |
| 12.090 | H | CASPIAN TV | 20000 |
| 12.090 | H | Hitz and Health | 20000 |
| 12.090 | H | HZTV | 20000 |
| ● 12.090 | H | ICtv | 20000 |
| 12.090 | H | ISHTAR TV | 20000 |
| 12.090 | H | LAO Champa TV | 20000 |
| 12.090 | H | LIVE CHANNEL | 20000 |
| 12.090 | H | MKTV | 20000 |
| 12.090 | H | NAT TV | 20000 |
| 12.090 | H | PARS TV | 20000 |
| 12.090 | H | TAMASHA | 20000 |
| 12.090 | H | DWRR | 20000 |
| 12.090 | H | DZMM | 20000 |
| 12.090 | H | RSI | 20000 |
| ● 12.115 | V | AFN MUSIC CHANNEL | 22425 |
| 12.115 | V | AMGA | 22425 |
| ● 12.115 | V | CCN MT/PT | 22425 |
| 12.115 | V | CTVN | 22425 |
| 12.115 | V | E2 Channel | 22425 |
| 12.115 | V | HORIZON ARMENIAN | 22425 |
| 12.115 | V | IMPACT TV | 22425 |
| 12.115 | V | ITC | 22425 |
| 12.115 | V | NEWS1 | 22425 |
| 12.115 | V | Pastor Scott | 22425 |
| 12.115 | V | SAFE TV | 22425 |
| 12.115 | V | SPIRIT TV | 22425 |
| ● 12.115 | V | Accent Radio | 22425 |
| 12.115 | V | Access America | 22425 |
| 12.115 | V | Radio Cristo Vive | 22425 |
| 12.115 | V | The Edge radio | 22425 |
| 12.121 | H | 2STV | 20000 |
| 12.121 | H | Walf TV | 20000 |
| ● 12.121 | H | CT Showtime | 20000 |
| 12.121 | H | DAAI | 20000 |
| 12.121 | H | Markazi TV | 20000 |
| ● 12.121 | H | ME TV | 20000 |
| 12.121 | H | NOORTV | 20000 |
| 12.121 | H | PARS TV | 20000 |
| 12.121 | H | Parvaz TV | 20000 |
| 12.121 | H | Payam-E-Afghan | 20000 |
| 12.121 | H | Persian Bazaar TV | 20000 |
| ● 12.121 | H | PITT 06 | 20000 |
| ● 12.121 | H | PITT 13 | 20000 |
| ● 12.121 | H | PITT 14 | 20000 |
| 12.121 | H | KRSI | 20000 |
| ● 12.121 | H | Radio 15 | 20000 |
| ● 12.121 | H | Radio 17 | 20000 |
| ● 12.121 | H | Radio 18 | 20000 |
| 12.146 | V | Abu Dhabi sport | 22000 |
| 12.146 | V | Al-Iraqiya | 22000 |
| 12.146 | V | Jamahirya TV | 22000 |
| 12.146 | V | Jordan TV | 22000 |
| 12.146 | V | Oman TV | 22000 |
| 12.146 | V | Qatar TV | 22000 |
| 12.146 | V | Saudi TV1 | 22000 |
| 12.146 | V | Sharjah TV | 22000 |
| 12.146 | V | Sudan TV | 22000 |
| 12.146 | V | Syrian TV | 22000 |
| 12.146 | V | YEMEN TV | 22000 |
| 12.146 | V | Aden Radio | 22000 |
| 12.146 | V | Emirates FM | 22000 |
| 12.146 | V | Main General Program | 22000 |
| 12.146 | V | Oman radio | 22000 |
| 12.146 | V | Oman-Holy Quran | 22000 |
| 12.146 | V | Program One | 22000 |
| 12.146 | V | Quatar radio | 22000 |
| 12.146 | V | Radio Omduman Holy K | 22000 |
| 12.146 | V | Radio Quran | 22000 |
| ● 12.146 | V | Republic Of Iraq Rad | 22000 |
| 12.146 | V | Sana'a radio | 22000 |
| ● 12.146 | V | Sharjah FM | 22000 |
| 12.146 | V | Sudan Radio | 22000 |
| 12.146 | V | Voice Of People | 22000 |
| 12.146 | V | Voice of Youth | 22000 |
| 12.153 | H | ARIA MEHR TV | 20000 |
| 12.153 | H | ETV | 20000 |
| ● 12.153 | H | GlobeCast 2 | 20000 |
| 12.153 | H | Iran TV | 20000 |
| 12.153 | H | Jaam-E-Jam | 20000 |
| 12.153 | H | Omid-E-Iran | 20000 |
| 12.153 | H | PEN TV | 20000 |
| 12.153 | H | Russia Today | 20000 |
| 12.153 | H | Tapesh TV | 20000 |
| 12.153 | H | Tasvir Iran | 20000 |
| 12.153 | H | Bahai Radio | 20000 |
| 12.153 | H | EthiopianRadio | 20000 |
| ● 12.153 | H | GlobeCast 12 | 20000 |
| 12.153 | H | KW1L/KW1R | 20000 |
| 12.153 | H | KW2L/KW2R | 20000 |
| 12.153 | H | Radio Seoul | 20000 |
| 12.177 | V | BTV | 23000 |
| ● 12.177 | V | CCN | 23000 |
| 12.177 | V | CHURCH CHANNEL | 23000 |
| 12.177 | V | Emmanuel TV | 23000 |
| 12.177 | V | FTV | 23000 |
| 12.177 | V | GODS LEARNING CH | 23000 |
| 12.177 | V | House of Yahweh | 23000 |
| 12.177 | V | JCTV | 23000 |
| 12.177 | V | KURD TV | 23000 |
| 12.177 | V | SOAC | 23000 |
| 12.177 | V | TBN | 23000 |
| 12.177 | V | TBN ENLACE | 23000 |
| 12.177 | V | TBN Russia | 23000 |
| ● 12.177 | V | TCS-TV | 23000 |
| 12.177 | V | AFN IRAN | 23000 |
| 12.177 | V | Asian FM | 23000 |
| 12.177 | V | Best NCE | 23000 |
| 12.177 | V | WRN Eng NAM | 23000 |
| ● 12.177 | V | WRN Fra EUR | 23000 |
| 12.177 | V | WRN Mul NAM | 23000 |

## GALAXY 3C
### 265.0 East (95.0 West)

GXY03CCH

| Freq GHz | Pol | Channel Name | Symbol rate |
|---|---|---|---|
| 3.842 | H | NPS - AB | 11000 |
| 3.842 | H | NPS - CB | 11000 |
| 3.842 | H | NPS - FO | 11000 |
| 3.842 | H | NPS - NB | 11000 |
| 3.914 | H | Horse/Dog Racing F | 3074 |

GXY03CCV

| Freq GHz | Pol | Channel Name | Symbol rate |
|---|---|---|---|
| 3.730 | V | LATV HOUSTON | 8825 |
| 3.730 | V | Fusion TV | 8825 |
| 3.730 | V | INN News | 8825 |
| 3.745 | V | FAITHTV | 2206 |
| 3.754 | V | INN News | 3978 |
| 3.767 | V | Service 2 | 6111 |
| 3.885 | V | Horse/Dog Racing F | 3074 |
| 3.908 | V | Horse/Dog Racing F | 3074 |
| 3.925 | V | Horse/Dog Racing F | 3074 |
| 3.929 | V | Horse/Dog Racing F | 3074 |
| 3.934 | V | Horse/Dog Racing F | 3074 |
| 4.040 | H | DAYSTAR-C | 29110 |
| 4.040 | H | KUOK C | 29110 |
| 4.040 | H | WBTW | 29110 |
| 4.040 | H | WJMF | 29110 |
| 4.040 | H | WNGS-C | 29110 |
| 4.040 | H | WSAV | 29110 |
| 4.040 | H | WUDT | 29110 |
| 4.040 | H | WUVF C | 29110 |
| 4.100 | V | ESPN | 28640 |
| 4.100 | V | ESPN 2 | 28640 |
| 4.100 | V | Fox News Channel | 28640 |
| 4.100 | V | HGTV | 28640 |
| 4.100 | V | Lifetime | 28640 |
| 4.100 | V | Lifetime Movie Netwo | 28640 |
| 4.100 | V | Starz! East | 28640 |
| 4.100 | V | The Discovery Channe | 28640 |
| 4.100 | V | The Disney Channel | 28640 |
| 4.100 | V | The Food Network | 28640 |
| 4.100 | V | The Learning Channel | 28640 |
| 4.100 | V | Toon Disney | 28640 |
| 4.100 | V | USDTV - US Digital | 28640 |
| 4.168 | V | LPTV1 | 6617 |
| 4.168 | V | LPTV2 | 6617 |
| 4.168 | V | LPTV3 | 6617 |
| 4.168 | V | LPTV4 | 6617 |
| 4.168 | V | LPTV5 | 6617 |
| 4.176 | V | CATV | 6617 |
| 4.176 | V | TV DOMINICANA | 6617 |

GXY03CKH

| Freq GHz | Pol | Channel Name | Symbol rate |
|---|---|---|---|
| 11.780 | H | CCTV 4 | 20759 |
| 11.780 | H | CCTV 9 | 20759 |
| 11.780 | H | CCTV E | 20759 |
| 11.780 | H | CCTV F | 20759 |
| 11.810 | H | HRTV | 20000 |
| 11.810 | H | OTB1 | 20000 |
| 11.810 | H | OTB2 | 20000 |
| 11.810 | H | OTB3 | 20000 |
| 11.810 | H | RTN1 | 20000 |
| 11.810 | H | RTN11 | 20000 |
| 11.810 | H | RTN12 | 20000 |
| 11.810 | H | RTN13 | 20000 |
| 11.810 | H | RTN14 | 20000 |
| 11.810 | H | RTN15 | 20000 |
| 11.810 | H | RTN16 | 20000 |
| 11.810 | H | RTN17 | 20000 |
| 11.810 | H | RTN18 | 20000 |
| 11.810 | H | RTN19 | 20000 |
| 11.810 | H | RTN2 | 20000 |
| 11.810 | H | RTN20 | 20000 |
| 11.810 | H | RTN22 | 20000 |
| 11.810 | H | RTN3 | 20000 |
| 11.810 | H | RTN4 | 20000 |
| 11.810 | H | RTN5 | 20000 |
| 11.810 | H | RTN6 | 20000 |
| 11.810 | H | RTN7 | 20000 |
| 11.810 | H | RTN8 | 20000 |
| 11.810 | H | RTN9 | 20000 |
| 11.810 | H | CHNL44 | 20000 |
| 11.810 | H | ILLOTB | 20000 |
| 11.810 | H | MTI1 | 20000 |
| 11.810 | H | MTI2 | 20000 |
| 11.907 | H | Feed | 4296 |
| 12.050 | H | ATV | 20000 |
| 12.050 | H | PSTV | 20000 |
| 12.050 | H | PTVN | 20000 |
| 12.050 | H | RTN21 | 20000 |
| 12.050 | H | RTN22 | 20000 |
| 12.050 | H | RTN23 | 20000 |
| 12.050 | H | RTN24 | 20000 |
| 12.050 | H | RTN25 | 20000 |
| 12.050 | H | RTN26 | 20000 |
| 12.050 | H | RTN27 | 20000 |
| 12.050 | H | RTN28 | 20000 |
| 12.050 | H | RTN29 | 20000 |
| 12.050 | H | RTN30 | 20000 |
| 12.050 | H | RTN31 | 20000 |
| 12.050 | H | RTN32 | 20000 |
| 12.050 | H | RTN33 | 20000 |
| 12.050 | H | RTN34 | 20000 |
| 12.050 | H | RTN35 | 20000 |
| 12.050 | H | RTN36 | 20000 |
| 12.050 | H | RTN37 | 20000 |
| 12.050 | H | RTN38 | 20000 |
| 12.050 | H | RTN39 | 20000 |
| 12.050 | H | RTN40 | 20000 |
| 12.050 | H | AON | 20000 |
| 12.050 | H | MACTV | 20000 |

## C-Band: GALAXY 26
### 267.0 East (93.0 West)

| Freq GHz | Pol | Channel Name | Symbol rate |
|---|---|---|---|
| 11.711 | V | CBS NEWSPATH | 14312 |
| 11.728 | H | Reuters WNS | 4000 |
| 11.728 | H | Unknown | 4000 |
| 11.777 | V | Feed | 3979 |
| 11.797 | H | Unknown | 45000 |
| 11.827 | V | BTV CH 603 | 8429 |
| 11.827 | V | BTV CH 601 | 8429 |
| 11.827 | V | BTV CH 602 | 8429 |
| 11.834 | V | BTV CH 605 | 20510 |
| 11.836 | H | Classic Arts Showcas | 7180 |
| 11.836 | H | iSkyCom | 7180 |
| 11.836 | H | SBS | 7180 |
| 11.836 | H | UpSessions | 7180 |
| 11.836 | H | WOW | 7180 |
| 11.836 | H | YTN | 7180 |
| 11.838 | H | Unknown | 3400 |
| 11.847 | H | ODU Channel A | 7466 |
| 11.847 | H | ODU Channel B | 7466 |
| 11.847 | H | ODU Channel C | 7466 |
| 11.847 | H | ODU Channel D | 7466 |
| 11.847 | H | ODU Channel E | 7466 |
| 11.847 | H | ODU Channel F | 7466 |
| 11.870 | V | AAFES | 4167 |
| 11.870 | V | AGHAPY | 4167 |
| 11.877 | V | HDTV-English | 5079 |
| 11.877 | V | HDTV-EnglishAltern | 5079 |
| 11.877 | V | HDTV-French | 5079 |
| 11.877 | V | HDTV-FrenchAlterna | 5079 |
| 11.877 | V | HDTV-Spanish | 5079 |
| 11.877 | V | HDTV-SpanishAltern | 5079 |
| 11.892 | H | A copy of Channel 1 | 3000 |
| 11.892 | H | Channel 1 | 3000 |
| 11.900 | H | Channel 2 | 3020 |
| 11.900 | H | Channel 3 | 3020 |
| 11.900 | H | Unknown | 3020 |
| 11.905 | V | CHANNEL 2 | 5000 |
| 11.905 | V | Default Channel 1 | 5000 |
| 11.905 | V | Non-IRS users | 5000 |
| 11.906 | H | Unknown | 3030 |
| 11.911 | V | McGee Tyson Ch1 | 1500 |
| 11.915 | H | Justice Television N | 4400 |
| 11.915 | H | Unknown | 4400 |
| 11.987 | H | Feed | 3979 |
| 11.997 | V | Feed (Channel 1) | 7234 |
| 11.997 | V | Feed (Channel 2) | 7234 |
| 11.997 | V | Feed (Channel 3) | 7234 |
| 11.997 | V | Feed (Channel 4) | 7234 |
| 11.997 | V | Feed | 7234 |
| 12.049 | V | ABC News Now | 3979 |
| 12.060 | H | Feed | 3979 |
| 12.077 | V | Feed (Azteca 13) | 8681 |
| 12.077 | V | Feed (Azteca 7) | 8681 |
| 12.077 | V | Feed (Azteca America | 8681 |
| 12.077 | V | Feed (Azteca America | 8681 |
| 12.077 | V | Feed | 8681 |
| 12.079 | H | CNN Headline News | 4000 |
| 12.080 | H | Justice Television N | 5070 |
| 12.086 | H | Fish and Wildlife Ch | 3010 |
| 12.086 | H | Fish and Wildlife Ch | 3010 |
| 12.086 | H | Keesler AFB Ch1 | 3010 |
| 12.086 | H | Keesler AFB Ch2 | 3010 |
| 12.096 | H | Wright Patterson Ch | 4500 |
| 12.096 | H | Wright Patterson Ch | 4500 |
| 12.096 | H | Wright Patterson Ch | 4500 |
| 12.096 | H | Wright Patterson Ch | 4500 |
| 12.096 | H | Wright Patterson Ch | 4500 |
| 12.096 | H | Wright Patterson Ch | 4500 |
| 12.096 | H | Wright Patterson Ch | 4500 |
| 12.096 | H | Wright Patterson Ch | 4500 |
| 12.118 | V | Channel 1 Baltimore | 20617 |
| 12.118 | V | Channel 2 Baltimore | 20617 |
| 12.118 | V | Channel 3 Kansas Stu | 20617 |
| 12.118 | V | Channel 4 Atlanta St | 20617 |
| 12.118 | V | Channel 5 Dallas Stu | 20617 |
| 12.118 | V | Channel 6 Seattle St | 20617 |
| 12.118 | V | Channel 7 Baltimore | 20617 |
| 12.118 | V | Channel 8 Baltimor | 20617 |
| 12.118 | V | Channel 9 | 20617 |
| 12.132 | H | Fox News Channel | 3105 |
| 12.146 | V | DMX Music Package | |
| 12.161 | H | f | 6150 |
| 12.175 | V | Lord & Taylor Video | 5147 |
| 12.175 | V | MACYS 4 | 5147 |
| 12.175 | V | MACYS 5 | 5147 |
| 12.175 | V | Flower Show | 5147 |
| 12.175 | V | JR/YM MUSIC | 5147 |
| 12.177 | V | MACYS 4 | 5147 |
| 12.177 | V | MACYS 5 | 5147 |
| 12.177 | V | Flower Show | 5147 |
| 12.177 | V | JR/YM MUSIC | 5147 |
| 12.190 | V | Feed | 2098 |

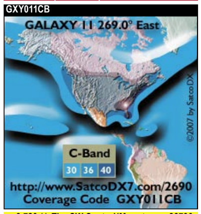
## C-Band: BRASILSAT 4
### 268.0 East (92.0 West)

BRA0B4CB

| Freq GHz | Pol | Channel Name | Symbol rate |
|---|---|---|---|
| 3.656 | H | TV Antena 10 | 3150 |
| 3.665 | H | CB Leiloes | 3214 |
| 3.670 | H | Feeds (NoName) | 3214 |
| 3.684 | H | Rede NGT | 4780 |
| 3.836 | H | Rede Mulher feeds | 4444 |
| 3.844 | V | TV Rio Negro | 3255 |
| 3.851 | V | Estacao TV | 3617 |
| 3.925 | V | TV Aparecida | 2967 |
| 3.925 | V | Radio Aparecida AM | 2967 |
| 3.925 | V | Radio Aparecida FM | 2967 |
| 3.928 | V | TVBV | 2700 |
| 3.933 | V | TV Tapajos | 4000 |
| 3.933 | V | FM 94 | 4000 |
| 3.956 | V | TV Gazeta AL | 4285 |

## North America
## GALAXY 11,17
### 269.0 East (91.0 West)

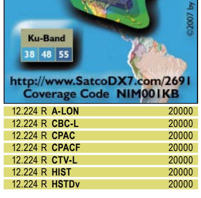
GXY011CB




| Freq GHz | Pol | Channel Name | Symbol rate |
|---|---|---|---|
| 3.720 | H | The CW Central/Mount | 26700 |
| 3.720 | H | The CW East | 26700 |
| 3.720 | H | The Cw West | 26700 |
| 3.740 | V | Fox Sports Feeds (Ba | 27800 |
| 3.740 | V | Fox Sports Feeds (Bi | 27800 |
| 3.740 | V | Fox Sports Feeds ( | 27800 |
| 3.740 | V | Fox Sports Feeds ( | 27800 |
| 3.740 | V | Fox Sports Feeds ( | 27800 |
| 3.740 | V | Fox Sports Feeds ( | 27800 |
| 3.740 | V | Fox Sports Feeds ( | 27800 |
| 3.740 | V | Fox Sports Feeds ( | 27800 |
| 3.780 | V | FX West | 30000 |
| 3.800 | H | ALT 2 | 30000 |
| 3.800 | H | FBNHD | 30000 |
| 3.800 | H | FXEHD | 30000 |
| 3.800 | H | NGHD | 30000 |
| 3.800 | H | Out of Svc | 30000 |
| 3.800 | H | Out Service 248 | 30000 |
| 3.800 | H | PPV | 30000 |
| 3.800 | H | TVG | 30000 |
| 3.820 | V | Atlantic | 30000 |
| 3.820 | V | Central | 30000 |
| 3.820 | V | FMC | 30000 |
| 3.820 | V | Fox News | 30000 |
| 3.820 | V | Nat Geo | 30000 |
| 3.820 | V | Pacific | 30000 |
| 3.820 | V | Network B/U | 30000 |
| 3.820 | V | FMC CRN | 30000 |
| 3.840 | H | Comcast HD | 29250 |
| 3.840 | H | VERSUS AC3 | 29250 |
| 3.840 | H | CRS ALT MPEG | 29250 |
| 3.840 | H | mtn | 29250 |
| 3.840 | H | Sports Net West | 29250 |
| 3.840 | H | SportsNet NW (Portla | 29250 |
| 3.840 | H | Versus Alternate AC3 | 29250 |
| 3.840 | H | VERSUS MPEG | 29250 |
| 3.840 | H | Versus Alternate Mpe | 29250 |
| 3.860 | V | Espanol | 30000 |
| 3.860 | V | Fuel | 30000 |
| 3.860 | V | Reality | 30000 |
| 3.860 | V | Soccer | 30000 |
| 3.860 | V | Speed | 30000 |
| 3.860 | V | FBN - Fox Business | 30000 |
| 3.860 | V | Future 2 | 30000 |
| 3.860 | V | Future 2-Dig | 30000 |
| 3.920 | H | Africa | 26000 |
| 3.920 | H | Europe audios 3 & 4 | 26000 |
| 3.920 | H | ac-3 US domestic | 26000 |
| 3.920 | H | Canada | 26000 |
| 3.920 | H | Canada AC-3 | 26000 |
| 3.920 | H | David Radio | 26000 |
| 3.920 | H | Domestic | 26000 |
| 3.920 | H | Domestic-English onl | 26000 |
| 3.920 | H | Enc7 AC3 | 26000 |
| 3.920 | H | EWTN Europe Englis | 26000 |
| 3.920 | H | EWTN Europe Intern | 26000 |
| 3.920 | H | latin AC-3 | 26000 |
| 3.920 | H | PAC RIM | 26000 |
| 3.920 | H | Radio 95 | 26000 |
| 3.920 | H | Radio 96 | 26000 |
| 3.920 | H | Real SP & Radio | 26000 |
| 3.920 | H | Span Dom | 26000 |
| 3.920 | H | Span Int | 26000 |
| 3.920 | H | WEWN | 26000 |
| 3.920 | H | covenant | 26000 |
| 3.920 | H | Eurobird | 26000 |
| 3.920 | H | EWTN Audio Test | 26000 |
| 3.920 | H | Fund Appeal | 26000 |
| 3.920 | H | Occasional | 26000 |
| 3.920 | H | Radio 97 | 26000 |
| 3.920 | H | Radio 98 | 26000 |
| 3.920 | H | radio Direct | 26000 |
| 3.920 | H | Radio Pas | 26000 |
| 3.920 | H | Sirius satellite rad | 26000 |
| 3.920 | H | wewn | 26000 |
| 3.920 | H | WQOP-IHR | 26000 |
| 4.007 | H | KLUZ-TV | 2480 |
| 4.014 | H | THE WORD NETWORK | 6620 |
| 4.040 | H | Fox Sports Feeds ( | 27800 |
| 4.040 | H | Fox Sports Feeds ( | 27800 |
| 4.040 | H | Fox Sports Feeds ( | 27800 |
| 4.040 | H | Fox Sports Feeds ({E | 27800 |
| 4.082 | H | SHOP AT HOME | 3300 |
| 4.089 | H | JEWELRY TV | 3300 |
| 4.092 | H | ADHOC | 2170 |
| 4.120 | H | The Hallmark Channel | 19510 |
| 4.135 | H | TOC - DVIDS 1 | 6112 |
| 4.135 | H | TOC - DVIDS 2 | 6112 |
| 11.865 | V | Unknown | 2500 |
| 12.060 | V | FETN | 26700 |
| 12.060 | V | HSTN | 26700 |
| 12.060 | V | LETN | 26700 |
| 12.060 | V | LTCN | 26700 |
| 12.060 | V | Occasional Use - 4 | 26700 |
| 12.060 | V | Occasional Use - 1 | 26700 |
| 12.060 | V | Occasional Use - 2 | 26700 |
| 12.060 | V | Occasional Use - 3 | 26700 |
| 12.060 | V | TXCN | 26700 |
| 12.060 | V | AAFES | 26700 |
| 12.135 | V | Unknown | 15000 |
| 3.780 | H | ALT 1 | 30000 |
| 3.780 | H | ALT 2 | 30000 |
| 3.780 | H | FX East | 30000 |
| 3.780 | H | FX West | 30000 |
| 3.780 | H | Out of Svc | 30000 |
| 3.780 | H | Out Service 248 | 30000 |
| 3.780 | H | PPV | 30000 |
| 3.780 | H | TVG | 30000 |
| 4.013 | H | THE WORD NETWORK | 6620 |
| 4.133 | H | TOC - DVIDS 1 | 6111 |
| 4.133 | H | TOC - DVIDS 2 | 6111 |
| 4.140 | V | FBNHD | 27800 |
| 4.140 | V | FNCHD | 27799 |
| 4.140 | V | FXEHD | 27800 |
| 4.140 | V | FXWHD | 27799 |
| 4.140 | V | NGHD | 27800 |
| 4.140 | V | SPDHD | 27799 |

## North America
## NIMIQ 1
### 269.1 East (90.9 West)

NIM001KB




| Freq GHz | Pol | Channel Name | Symbol rate |
|---|---|---|---|
| 12.224 | R | A-LON | 20000 |
| 12.224 | R | CBC-L | 20000 |
| 12.224 | R | CPAC | 20000 |
| 12.224 | R | CPACF | 20000 |
| 12.224 | R | CTV-L | 20000 |
| 12.224 | R | HIST | 20000 |
| 12.224 | R | HSTDv | 20000 |

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| Freq Pol GHz | Channel Name | Symbol rate |
|---|---|---|
| 12.224 R | ISSUE | 20000 |
| 12.224 R | LONDv | 20000 |
| 12.224 R | MTV | 20000 |
| 12.224 R | NCAR2 | 20000 |
| ●12.224 R | RCVu0 | 20000 |
| 12.224 R | RCVu0* | 20000 |
| 12.224 R | TSC | 20000 |
| 12.224 R | TVLND | 20000 |
| 12.224 R | Vu22 | 20000 |
| 12.224 R | RFI | 20000 |
| 12.239 L | A-VIC | 20000 |
| 12.239 L | CW11 | 20000 |
| 12.239 L | GAME | 20000 |
| 12.239 L | HLTH | 20000 |
| 12.239 L | NCAR4 | 20000 |
| 12.239 L | NHL8 | 20000 |
| 12.239 L | OLN | 20000 |
| 12.239 L | OUTTV | 20000 |
| 12.239 L | RAI | 20000 |
| 12.239 L | VICDv | 20000 |
| 12.239 L | Vu15 | 20000 |
| 12.239 L | Vu24 | 20000 |
| 12.239 L | VuF1 | 20000 |
| 12.239 L | CBC1T | 20000 |
| 12.253 R | VNS10 | 20000 |
| 12.253 R | VNUS* | 20000 |
| 12.253 R | VNUS0 | 20000 |
| 12.253 R | VNUS1 | 20000 |
| 12.253 R | VNUS2 | 20000 |
| 12.253 R | VNUS3 | 20000 |
| 12.253 R | VNUS4 | 20000 |
| 12.253 R | VNUS5 | 20000 |
| 12.253 R | VNUS6 | 20000 |
| 12.253 R | VNUS7 | 20000 |
| 12.253 R | VNUS8 | 20000 |
| 12.253 R | VNUS9 | 20000 |
| 12.268 L | A&E | 20000 |
| 12.268 L | CTV-T | 20000 |
| 12.268 L | CTVDv | 20000 |
| 12.268 L | FOXNC | 20000 |
| 12.268 L | GLB-T | 20000 |
| 12.268 L | GLBDv | 20000 |
| 12.268 L | IDMTV | 20000 |
| 12.268 L | SETNA | 20000 |
| 12.268 L | SPACE | 20000 |
| 12.268 L | SPCDv | 20000 |
| 12.268 L | STAR | 20000 |
| 12.268 L | TLC | 20000 |
| 12.268 L | VuFr | 20000 |
| 12.268 L | VuP32 | 20000 |
| 12.268 L | GXY18 | 20000 |
| 12.268 L | GXY2 | 20000 |
| 12.268 L | GXY3 | 20000 |
| 12.268 L | GXY30 | 20000 |
| 12.268 L | GXY4 | 20000 |
| 12.268 L | GXY7 | 20000 |
| 12.268 L | WRN | 20000 |
| 12.282 R | CTV-R | 20000 |
| 12.282 R | CTV-W | 20000 |
| 12.282 R | CTV-w | 20000 |
| 12.282 R | DEJA | 20000 |
| 12.282 R | FOXSP | 20000 |
| 12.282 R | MSTRY | 20000 |
| ●12.282 R | MTIME | 20000 |
| ●12.282 R | VIVA | 20000 |
| 12.282 R | GXY31 | 20000 |
| 12.282 R | GXY32 | 20000 |
| 12.282 R | GXY33 | 20000 |
| 12.282 R | GXY36 | 20000 |
| 12.282 R | GXY45 | 20000 |
| 12.282 R | HERZ | 20000 |
| 12.282 R | POWER | 20000 |
| 12.297 L | BluVu | 20000 |
| 12.297 L | COSMO | 20000 |
| 12.297 L | IFC | 20000 |
| 12.297 L | MLB4 | 20000 |
| 12.297 L | NFL4 | 20000 |
| ●12.297 L | NHL-i | 20000 |
| 12.297 L | NHL4 | 20000 |
| 12.297 L | PHDIS | 20000 |
| 12.297 L | RAPTR | 20000 |
| ●12.297 L | TNGR1 | 20000 |
| 12.297 L | VuBuy | 20000 |
| 12.297 L | XPRS* | 20000 |
| 12.297 L | XPRS2 | 20000 |
| 12.297 L | XPRS2* | 20000 |
| 12.311 R | BBCWN | 20000 |
| 12.311 R | DvEPG | 20000 |
| 12.311 R | E!Dv | 20000 |
| 12.311 R | E!ONT | 20000 |
| 12.311 R | GLB-E | 20000 |
| 12.311 R | NBC-E | 20000 |
| 12.311 R | SCORE | 20000 |
| 12.311 R | Vu14 | 20000 |
| 12.311 R | Vu2 | 20000 |
| 12.311 R | Vu7 | 20000 |
| 12.311 R | VuF7 | 20000 |
| 12.311 R | WSBK | 20000 |
| 12.311 R | NPR | 20000 |
| 12.326 L | CBC-T | 20000 |
| 12.326 L | CBCDv | 20000 |
| 12.326 L | CTVNN | 20000 |
| 12.326 L | DISC | 20000 |
| 12.326 L | FOOD | 20000 |
| 12.326 L | M-MOR | 20000 |
| 12.326 L | MLB3 | 20000 |
| 12.326 L | MSQPL | 20000 |
| 12.326 L | NBC-W | 20000 |
| 12.326 L | NFL3 | 20000 |
| 12.326 L | NHL3 | 20000 |
| 12.326 L | SNETO | 20000 |
| 12.326 L | VuF4 | 20000 |
| 12.326 L | VPRNT | 20000 |
| 12.326 L | vPRNT | 20000 |
| 12.326 L | PTMob | 20000 |
| 12.341 R | APTNn | 20000 |
| 12.341 R | BabyE | 20000 |
| 12.341 R | BabyF | 20000 |
| 12.341 R | BabyS | 20000 |
| 12.341 R | CITYV | 20000 |
| 12.341 R | CTV-V | 20000 |
| 12.341 R | DvCTV | 20000 |
| 12.341 R | DvCTY | 20000 |
| 12.341 R | DvE! | 20000 |
| 12.341 R | DvPBS | 20000 |
| 12.341 R | E!BC | 20000 |
| 12.341 R | iTV | 20000 |
| 12.341 R | PBS-W | 20000 |
| 12.341 R | SUNTV | 20000 |
| 12.341 R | TV5 | 20000 |
| 12.341 R | Vu | 20000 |
| 12.341 R | Vu6 | 20000 |
| 12.341 R | VuF6 | 20000 |
| 12.341 R | VuS32 | 20000 |
| 12.355 L | ABC-W | 20000 |
| 12.355 L | ANIML | 20000 |
| 12.355 L | BNN | 20000 |
| 12.355 L | HGTDv | 20000 |
| 12.355 L | HGTV | 20000 |
| 12.355 L | MMM | 20000 |
| ●12.355 L | MPIX | 20000 |
| 12.355 L | NCAA1 | 20000 |
| 12.355 L | NFL6 | 20000 |
| 12.355 L | SNETP | 20000 |
| 12.355 L | SRC-W | 20000 |
| 12.355 L | TREDv | 20000 |
| 12.355 L | TREE | 20000 |
| 12.355 L | Vu30 | 20000 |
| 12.355 L | DESJA | 20000 |
| 12.355 L | GXY10 | 20000 |
| 12.355 L | GXY11 | 20000 |
| 12.355 L | GXY20 | 20000 |
| 12.355 L | GXY21 | 20000 |
| 12.355 L | GXY23 | 20000 |
| 12.355 L | GXY38 | 20000 |
| 12.370 R | BET | 20000 |
| 12.370 R | CNN | 20000 |
| 12.370 R | CTMDv | 20000 |
| 12.370 R | CTV-M | 20000 |
| 12.370 R | FOX-W | 20000 |
| 12.370 R | MET* | 20000 |
| 12.370 R | MET-i | 20000 |
| 12.370 R | METEO | 20000 |
| 12.370 R | MLB8 | 20000 |
| 12.370 R | MMDVi | 20000 |

| Freq Pol GHz | Channel Name | Symbol rate |
|---|---|---|
| 12.370 R | NFL-N | 20000 |
| 12.370 R | NHL-C | 20000 |
| 12.370 R | NHL-E | 20000 |
| 12.370 R | PBS-E | 20000 |
| 12.370 R | PBSDv | 20000 |
| 12.370 R | Vu19 | 20000 |
| 12.370 R | WEA | 20000 |
| 12.370 R | WEA* | 20000 |
| 12.370 R | WEA-i | 20000 |
| 12.370 R | WeDVi | 20000 |
| 12.370 R | WGN | 20000 |
| 12.370 R | NPR* | 20000 |
| 12.384 L | CAN-D | 20000 |
| 12.384 L | CAN-H | 20000 |
| 12.384 L | CAN-Z | 20000 |
| 12.384 L | DRM | 20000 |
| 12.384 L | SE | 20000 |
| 12.384 L | SE2 | 20000 |
| 12.384 L | SE3 | 20000 |
| 12.384 L | SE4 | 20000 |
| 12.384 L | SERIE | 20000 |
| 12.384 L | SRC-V | 20000 |
| 12.384 L | VRAK | 20000 |
| 12.384 L | WAHSA | 20000 |
| 12.399 R | CBC-A | 20000 |
| 12.399 R | CBC-a | 20000 |
| 12.399 R | FIGHT | 20000 |
| 12.399 R | MCTV | 20000 |
| 12.399 R | MCTV* | 20000 |
| 12.399 R | NCAA4 | 20000 |
| ●12.399 R | NFL9 | 20000 |
| ●12.399 R | NHL7 | 20000 |
| 12.399 R | NHLMH | 20000 |
| 12.399 R | OMNI1 | 20000 |
| 12.399 R | SUPR1 | 20000 |
| 12.399 R | TROP | 20000 |
| 12.399 R | TRPDv | 20000 |
| 12.399 R | Vison | 20000 |
| 12.399 R | VISON | 20000 |
| 12.399 R | Vu25 | 20000 |
| 12.399 R | Vu27 | 20000 |
| 12.399 R | XPRS | 20000 |
| 12.414 L | CBC-M | 20000 |
| 12.414 L | CIVIL | 20000 |
| 12.414 L | ESPNc | 20000 |
| 12.414 L | MUSMX | 20000 |
| 12.414 L | OMNI2 | 20000 |
| 12.414 L | ONE | 20000 |
| 12.414 L | ONEDv | 20000 |
| 12.414 L | Prise | 20000 |
| ●12.414 L | RCVu3 | 20000 |
| 12.414 L | RCVu3* | 20000 |
| 12.414 L | SHO-E | 20000 |
| 12.414 L | SPIKE | 20000 |
| ●12.414 L | VuF17 | 20000 |
| 12.414 L | OnHD | 20000 |
| 12.428 R | ASN | 20000 |
| 12.428 R | BOOK | 20000 |
| 12.428 R | CITYW | 20000 |
| 12.428 R | COURT | 20000 |
| 12.428 R | GLB-H | 20000 |
| ●12.428 R | HPI-C* | 20000 |
| ●12.428 R | HPI-W* | 20000 |
| 12.428 R | MLB1 | 20000 |
| ●12.428 R | NFL1 | 20000 |
| 12.428 R | NHL1 | 20000 |
| 12.428 R | NTV | 20000 |
| 12.428 R | SUPR2 | 20000 |
| 12.428 R | WLDTV | 20000 |
| 12.443 L | KNOW | 20000 |
| 12.443 L | ATV | 20000 |
| 12.443 L | CBC-H | 20000 |
| 12.443 L | CBCDC | 20000 |
| 12.443 L | CITYE | 20000 |
| 12.443 L | SCN | 20000 |
| 12.443 L | CBC1H | 20000 |
| 12.443 L | CBC1V | 20000 |
| 12.443 L | CBC2V | 20000 |
| 12.443 L | CHED | 20000 |
| 12.443 L | OZ-FM | 20000 |
| 12.443 L | PC-V | 20000 |
| 12.443 L | VOAR | 20000 |
| ●12.457 R | EA1 | 20000 |
| ●12.457 R | EA2 | 20000 |
| 12.457 R | FAM-W | 20000 |
| 12.457 R | FMLY | 20000 |
| 12.457 R | GolSP | 20000 |
| 12.457 R | GolTV | 20000 |
| ●12.457 R | HBO2 | 20000 |
| ●12.457 R | MC1 | 20000 |
| ●12.457 R | MC2 | 20000 |
| ●12.457 R | MC3 | 20000 |
| 12.457 R | TOONE | 20000 |
| 12.457 R | TOONF | 20000 |
| 12.457 R | TOONW | 20000 |
| 12.457 R | TTeDv | 20000 |
| 12.457 R | TTfDv | 20000 |
| 12.457 R | TTwDv | 20000 |
| 12.457 R | CBC2T | 20000 |
| 12.472 L | CBC-C | 20000 |
| 12.472 L | CITYC | 20000 |
| 12.472 L | CTV-c | 20000 |
| 12.472 L | CTV-C | 20000 |
| 12.472 L | GLB-C | 20000 |
| 12.472 L | GLB-S | 20000 |
| 12.472 L | GLCDv | 20000 |
| 12.472 L | GLSDv | 20000 |
| 12.472 L | MIRCL | 20000 |
| 12.472 L | PLBOY | 20000 |
| 12.472 L | SEXTV | 20000 |
| 12.472 L | VENUS | 20000 |
| 12.472 L | 105FM | 20000 |
| 12.472 L | 960AM | 20000 |
| 12.472 L | EDGE | 20000 |
| 12.472 L | RIGA | 20000 |
| 12.472 L | PLBOYV | 20000 |
| 12.472 L | VENUSV | 20000 |
| 12.486 R | CBC-W | 20000 |
| 12.486 R | CBC-w | 20000 |
| ●12.486 R | CBCaa | 20000 |
| 12.486 R | CMT | 20000 |
| 12.486 R | DOCU | 20000 |
| 12.486 R | GOLF | 20000 |
| 12.486 R | NEWS2 | 20000 |
| ●12.486 R | PPVu | 20000 |
| ●12.486 R | PPVu* | 20000 |
| 12.486 R | TECH | 20000 |
| 12.486 R | TRAVL | 20000 |
| 12.486 R | TVA-R | 20000 |
| 12.486 R | VnBuy | 20000 |
| 12.486 R | VNUS | 20000 |
| ●12.486 R | Vu21 | 20000 |
| 12.486 R | VuCOM | 20000 |
| 12.486 R | YTV-W | 20000 |
| 12.486 R | YTVWV | 20000 |
| ●12.486 R | NCAR1 | 20000 |
| 12.501 L | BOLD | 20000 |
| 12.501 L | CFJC | 20000 |
| 12.501 L | CMDYW | 20000 |
| 12.501 L | DvCom | 20000 |
| 12.501 L | NCAR | 20000 |
| ●12.501 L | RCVu1 | 20000 |
| 12.501 L | RCVu1* | 20000 |
| ●12.501 L | RCVu2 | 20000 |
| 12.501 L | RCVu2* | 20000 |
| 12.501 L | SCRM | 20000 |
| 12.501 L | SPEED | 20000 |
| 12.501 L | TROPW | 20000 |
| 12.501 L | VIBE | 20000 |
| 12.501 L | Vu20 | 20000 |
| 12.501 L | W | 20000 |
| 12.501 L | YTV-E | 20000 |
| 12.501 L | FAN | 20000 |
| 12.516 R | ABC-E | 20000 |
| 12.516 R | CAN-V | 20000 |
| 12.516 R | CBCNW | 20000 |
| 12.516 R | GLB-w | 20000 |
| 12.516 R | GLB-W | 20000 |
| 12.516 R | M-XS | 20000 |
| 12.516 R | MLB5 | 20000 |
| 12.516 R | NFL5 | 20000 |
| 12.516 R | NHL5 | 20000 |
| 12.516 R | SNETW | 20000 |
| 12.516 R | SUPR3 | 20000 |
| 12.516 R | Vu31 | 20000 |

| Freq Pol GHz | Channel Name | Symbol rate |
|---|---|---|
| 12.516 R | Vu8 | 20000 |
| 12.516 R | Vu9 | 20000 |
| 12.516 R | VuF8 | 20000 |
| 12.516 R | VuF9 | 20000 |
| 12.516 R | WFN | 20000 |
| 12.516 R | GXY26 | 20000 |
| 12.516 R | GXY28 | 20000 |
| 12.516 R | GXY29 | 20000 |
| 12.516 R | GXY39 | 20000 |
| 12.516 R | GXY5 | 20000 |
| 12.516 R | GXY8 | 20000 |
| 12.516 R | METRO | 20000 |
| 12.516 R | BTVM | 20000 |
| 12.516 R | VUMAG | 20000 |
| 12.530 L | ANQ | 20000 |
| 12.530 L | CAN-E | 20000 |
| 12.530 L | CAN-S | 20000 |
| 12.530 L | LCN | 20000 |
| 12.530 L | SRC-M | 20000 |
| 12.530 L | TELEQ | 20000 |
| 12.530 L | TQS-M | 20000 |
| 12.530 L | TVA-M | 20000 |
| 12.530 L | TVA-O | 20000 |
| 12.530 L | CC-M | 20000 |
| 12.530 L | CJAD | 20000 |
| 12.530 L | CJPX | 20000 |
| 12.530 L | CKAC | 20000 |
| 12.530 L | METO | 20000 |
| 12.530 L | PC-M | 20000 |
| 12.545 R | CITYT | 20000 |
| 12.545 R | CP24 | 20000 |
| 12.545 R | CTYDv | 20000 |
| 12.545 R | FOX-E | 20000 |
| 12.545 R | Kids | 20000 |
| 12.545 R | KIDS* | 20000 |
| 12.545 R | M | 20000 |
| ●12.545 R | RCVu4 | 20000 |
| 12.545 R | RCVu4* | 20000 |
| 12.545 R | SNETE | 20000 |
| 12.545 R | Vu10 | 20000 |
| 12.545 R | Vu11 | 20000 |
| 12.545 R | VuF10 | 20000 |
| 12.545 R | VuF11 | 20000 |
| 12.545 R | VuF15 | 20000 |
| 12.545 R | VuF3 | 20000 |
| 12.545 R | CJRT | 20000 |
| 12.559 L | CBC-V | 20000 |
| 12.559 L | CBS-W | 20000 |
| 12.559 L | COMM | 20000 |
| 12.559 L | DvCBC | 20000 |
| 12.559 L | M-FUN | 20000 |
| ●12.559 L | MFEST | 20000 |
| 12.559 L | NFL11 | 20000 |
| 12.559 L | RDI | 20000 |
| 12.559 L | SLICE | 20000 |
| 12.559 L | TSN | 20000 |
| 12.559 L | Vu4 | 20000 |
| 12.559 L | VuF13 | 20000 |
| 12.559 L | VuPPV | 20000 |
| 12.559 L | 1200 | 20000 |
| 12.574 R | CBS-E | 20000 |
| 12.574 R | D-KDS | 20000 |
| 12.574 R | DvGLB | 20000 |
| 12.574 R | GLB-V | 20000 |
| 12.574 R | LEAFS | 20000 |
| 12.574 R | MLB2 | 20000 |
| ●12.574 R | MRPIX | 20000 |
| 12.574 R | MUCH | 20000 |
| 12.574 R | NHL2 | 20000 |
| 12.574 R | Vu1 | 20000 |
| 12.574 R | Vu3 | 20000 |
| 12.574 R | Vu5 | 20000 |
| 12.574 R | VuF5 | 20000 |
| 12.574 R | GXY34 | 20000 |
| 12.574 R | GXY40 | 20000 |
| 12.574 R | GXY41 | 20000 |
| 12.574 R | GXY42 | 20000 |
| 12.574 R | GXY44 | 20000 |
| 12.574 R | STiS | 20000 |
| 12.588 L | ARGNT | 20000 |
| 12.588 L | ARTV | 20000 |
| 12.588 L | cnpop | 20000 |
| 12.588 L | MENTV | 20000 |
| 12.588 L | Mystr | 20000 |
| 12.588 L | RDS | 20000 |
| 12.588 L | SRC-Q | 20000 |
| 12.588 L | TVASa | 20000 |
| 12.588 L | TVASh | 20000 |
| 12.588 L | 680am | 20000 |
| 12.588 L | GXY1 | 20000 |
| 12.588 L | GXY15 | 20000 |
| 12.588 L | GXY16 | 20000 |
| 12.588 L | GXY17 | 20000 |
| 12.588 L | GXY43 | 20000 |
| 12.588 L | GXY9 | 20000 |
| 12.603 R | APTN | 20000 |
| 12.603 R | BIO | 20000 |
| 12.603 R | BPM | 20000 |
| 12.603 R | CTS | 20000 |
| 12.603 R | HNN | 20000 |
| ●12.603 R | MTV2 | 20000 |
| 12.603 R | NCAA6 | 20000 |
| 12.603 R | NCAR3 | 20000 |
| 12.603 R | NFL10 | 20000 |
| 12.603 R | NHL9 | 20000 |
| ●12.603 R | RCVu5 | 20000 |
| 12.603 R | RCVu5* | 20000 |
| 12.603 R | SHO-W | 20000 |
| 12.603 R | TELAT | 20000 |
| 12.603 R | Vu23 | 20000 |
| 12.603 R | VuF14 | 20000 |
| ●12.603 R | VuF16 | 20000 |
| 12.618 L | ACTN | 20000 |
| 12.618 L | CHEX | 20000 |
| 12.618 L | CRKT1 | 20000 |
| 12.618 L | DIVA | 20000 |
| 12.618 L | DRVin | 20000 |
| 12.618 L | FineL | 20000 |
| 12.618 L | FTV | 20000 |
| 12.618 L | NHLVu | 20000 |
| 12.618 L | PEACH | 20000 |
| ●12.618 L | RCVu6 | 20000 |
| 12.618 L | RCVu6* | 20000 |
| ●12.618 L | RCVu7 | 20000 |
| 12.618 L | RCVu7* | 20000 |
| 12.618 L | TFO | 20000 |
| 12.618 L | Vu16 | 20000 |
| 12.618 L | AM640 | 20000 |
| 12.618 L | {Empty} | 20000 |
| 12.632 R | A-BAR | 20000 |
| 12.632 R | BARDv | 20000 |
| 12.632 R | CBCNA | 20000 |
| 12.632 R | CNBC | 20000 |
| ●12.632 R | EVNTS | 20000 |
| 12.632 R | GEO | 20000 |
| 12.632 R | MVOLA | 20000 |
| 12.632 R | NCAA2 | 20000 |
| 12.632 R | NFL7 | 20000 |
| 12.632 R | RIS | 20000 |
| 12.632 R | SWAP | 20000 |
| 12.632 R | TOONR | 20000 |
| 12.632 R | Vu-F | 20000 |
| 12.632 R | Vu12 | 20000 |
| 12.632 R | Vu29 | 20000 |
| 12.632 R | 96FM | 20000 |
| 12.647 L | BBC-C | 20000 |
| 12.647 L | BBC-K | 20000 |
| 12.647 L | BRAVO | 20000 |
| 12.647 L | CBC-O | 20000 |
| 12.647 L | CTV-E | 20000 |
| 12.647 L | CTV-e | 20000 |
| 12.647 L | KTLA | 20000 |
| 12.647 L | NCAA3 | 20000 |
| 12.647 L | NEWS1 | 20000 |
| 12.647 L | NFL8 | 20000 |
| ●12.647 L | RCVu9 | 20000 |
| ●12.647 L | RCVu9* | 20000 |
| ●12.647 L | TSN2 | 20000 |
| 12.647 L | TVA-G | 20000 |
| 12.647 L | Vu13 | 20000 |
| 12.647 L | Vu18 | 20000 |
| 12.647 L | Vu28 | 20000 |
| 12.661 R | A-OTT | 20000 |
| ●12.661 R | ACCES | 20000 |
| 12.661 R | CMDY | 20000 |

| Freq Pol GHz | Channel Name | Symbol rate |
|---|---|---|
| 12.661 R | COMDv | 20000 |
| 12.661 R | NFL12 | 20000 |
| 12.661 R | NHL-N | 20000 |
| ●12.661 R | NHL6 | 20000 |
| 12.661 R | OTTDv | 20000 |
| ●12.661 R | RCVu8 | 20000 |
| 12.661 R | RCVu8* | 20000 |
| 12.661 R | SRC-A | 20000 |
| 12.661 R | SUPR4 | 20000 |
| 12.661 R | TVO | 20000 |
| 12.661 R | Vu17 | 20000 |
| ●12.661 R | Vu26 | 20000 |
| ●12.661 R | VuF12 | 20000 |
| 12.661 R | VuF2 | 20000 |
| 12.661 R | ALERT | 20000 |
| 12.661 R | ALRT | 20000 |
| 12.661 R | BFVSC | 20000 |
| ●12.661 R | HDFRE | 20000 |
| 12.661 R | LOCK | 20000 |
| ●12.661 R | MOVHD | 20000 |
| ●12.661 R | NETHD | 20000 |
| ●12.661 R | SPLTY | 20000 |
| ●12.661 R | SPRTH | 20000 |
| 12.661 R | Vu* | 20000 |
| ●12.661 R | Vu-F* | 20000 |
| 12.661 R | Q107 | 20000 |
| 12.661 R | {Empty} | 20000 |
| 12.676 L | ADR | 20000 |
| 12.676 L | SRCSh | 20000 |
| 12.676 L | TQS-Q | 20000 |
| 12.676 L | TQSRL | 20000 |
| 12.676 L | TQSSa | 20000 |
| 12.676 L | TQSSh | 20000 |
| 12.676 L | TVA-Q | 20000 |
| 12.676 L | TVARL | 20000 |
| 12.676 L | TVARN | 20000 |
| 12.676 L | GXY12 | 20000 |
| 12.676 L | GXY13 | 20000 |
| 12.676 L | GXY14 | 20000 |
| 12.676 L | GXY22 | 20000 |
| 12.676 L | GXY24 | 20000 |
| 12.676 L | GXY6 | 20000 |
| 12.589 L | ARGNT | 20000 |
| 12.589 L | ARTV | 20000 |
| 12.589 L | cnpop | 20000 |
| 12.589 L | MENTV | 20000 |
| 12.589 L | Mystr | 20000 |
| 12.589 L | RDS | 20000 |
| 12.589 L | SRC-Q | 20000 |
| 12.589 L | TVASa | 20000 |
| 12.589 L | TVASh | 20000 |
| 12.589 L | 680am | 20000 |
| 12.589 L | GXY1 | 20000 |
| 12.589 L | GXY15 | 20000 |
| 12.589 L | GXY16 | 20000 |
| 12.589 L | GXY17 | 20000 |
| 12.589 L | GXY43 | 20000 |
| 12.589 L | GXY9 | 20000 |

**GALAXY 28**
**271.0 East (89.0 West)**

| Freq Pol GHz | Channel Name | Symbol rate |
|---|---|---|
| 3.997 H | News | 3680 |
| 3.997 H | Pacific | 3680 |
| 3.997 H | Sports | 3680 |
| 4.060 H | AFN Family | 28000 |
| 4.060 H | AFN Freedom | 28000 |
| 4.060 H | AFN Movie | 28000 |
| 4.060 H | AFN News | 28000 |
| 4.060 H | AFN Prime Atlantic | 28000 |
| 4.060 H | AFN Prime Pacific | 28000 |
| 4.060 H | AFN Spectrum | 28000 |
| 4.060 H | AFN Sports | 28000 |
| 4.060 H | AFN Xtra | 28000 |
| 4.060 H | Atlantic 2 | 28000 |
| 4.060 H | Atlantic 3 | 28000 |
| 4.060 H | Atlantic 4 | 28000 |
| 4.060 H | Atlantic 5 | 28000 |
| 4.060 H | Atlantic 6 | 28000 |
| 4.060 H | Atlantic 7 | 28000 |
| 4.060 H | Atlantic 8 | 28000 |
| 4.060 H | Atlantic 9 | 28000 |
| 4.060 H | Engineering Channel | 28000 |
| 4.060 H | Adult Rock | 28000 |
| 4.060 H | AFN Back-up for A | 28000 |
| 4.060 H | AFN Back-up to AFN | 28000 |
| 4.060 H | AFN Back-up to AF | 28000 |
| 4.060 H | AFN Program Guide | 28000 |
| 4.060 H | AFN Radio Variable | 28000 |
| 4.060 H | Backhaul from Baghda | 28000 |
| 4.060 H | Backhaul to Japan | 28000 |
| 4.060 H | Bright AC | 28000 |
| 4.060 H | Contingency (Closed | 28000 |
| 4.060 H | ESPN Plus | 28000 |
| 4.060 H | Fox Sports Talk | 28000 |
| 4.060 H | Hot AC | 28000 |
| 4.060 H | Interruptable Voice | 28000 |
| 4.060 H | Mainstream Country | 28000 |
| 4.060 H | NPR International | 28000 |
| 4.060 H | Oldies | 28000 |
| 4.060 H | SMPTE Time Code | 28000 |
| 4.060 H | The Pentagon Channel | 28000 |
| 4.060 H | The Touch | 28000 |
| 4.060 H | U/I Split /UIVoice | 28000 |
| 4.060 H | Uninterruptable Voic | 28000 |
| 4.060 H | Z-Rock (ABC Altern | 28000 |
| 4.140 H | Crawford HD 1 | 29270 |

**North America**
**GALAXY 28**
**271.1 East (88.9 West)**

| Freq Pol GHz | Channel Name | Symbol rate |
|---|---|---|
| 11.734 H | Channel 300 | 4500 |
| 11.734 H | Channel 301 | 4500 |
| 11.734 H | Channel 302 | 4500 |
| 11.734 H | Channel 303 | 4500 |
| 11.734 H | Channel 304 | 4500 |
| 11.734 H | Channel 1 | 4500 |
| 11.758 V | TRAVERTINE | 26000 |
| 11.780 H | BTV-1 | 29000 |
| 11.780 H | BTV-2 | 29000 |
| 11.780 H | BTV-3 | 29000 |
| 11.780 H | BTV-4 | 29000 |
| 11.780 H | NorthAmericaBkup | 29000 |
| 11.820 H | Unknown | 30000 |
| 11.882 H | Service 1 | 4883 |
| 11.900 H | HughesNet | 30000 |
| 11.920 V | Unknown | 30000 |
| 11.925 H | ABC Feed | 3978 |
| 11.955 V | ABC NEWS NOW | 19533 |
| 11.955 V | ABSAT CH2 | 19533 |
| 11.955 V | NEWS1 LIVE | 19533 |
| 11.960 V | ABC NEWS NOW | 3978 |
| 11.965 V | ABC Feed (ABC SCP | 3978 |
| 11.965 H | ABC Feed (Service 1) | 3978 |
| 11.970 H | ABC Feed (WEWS DS | 3978 |
| 11.975 H | ABC Feed (Service 2) | 3978 |
| 11.975 V | ABC Feed (Tandberg | 3978 |
| 11.980 H | ABC Feed (Service 2) | 3978 |
| 11.989 V | ABC Feed | 6111 |
| 11.990 H | ABC Feed (WMUR-TV | 3978 |
| 12.009 V | ABC Feed | 6111 |
| 12.043 H | Unknown | 6111 |
| 12.046 H | ABC Feed | 6489 |
| 12.054 H | Unknown | 6510 |
| 12.060 H | TRAVERTINE | 26600 |
| 12.076 H | Service 2 | 4883 |
| 12.080 V | HughesNet | 30000 |
| 12.170 H | Feed | 15914 |
| 12.185 H | ABC Feed (WMTW 207 | 3979 |
| 12.195 H | ABC Feed (WBAL 1) | 3979 |

**South America**
**GALAXY 28**
**271.2 East (88.8 West)**

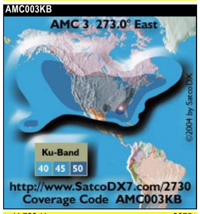
| Freq Pol GHz | Channel Name | Symbol rate |
|---|---|---|
| 11.882 H | Service 1 | 4883 |
| 11.960 H | 19 - Home & Health | 28800 |
| 11.960 H | 20 - IIGD | 28800 |
| 11.960 H | 21 - CJC | 28800 |
| 11.960 H | 22 - RTPI | 28800 |
| 11.960 H | 23 - Climatempo | 28800 |
| ●11.960 H | 24 - Band Sport | 28800 |
| 11.960 H | 25 - Discovery Turbo | 28800 |
| 11.960 H | 26 - TCM | 28800 |
| 11.960 H | 27 - Animal Planet | 28800 |
| 11.960 H | 28 - ESPN Brasil | 28800 |
| 11.960 H | 29 - Travel & Living | 28800 |
| 11.960 H | 30 - WooHoo | 28800 |
| 11.960 H | 31 - Ra Tim Bum | 28800 |

| Freq Pol GHz | Channel Name | Symbol rate |
|---|---|---|
| 11.960 H | 32 - Hallmark | 28800 |
| 11.960 H | 33 - Discovery Scien | 28800 |
| 11.960 H | 34 - Disc. Civilizat | 28800 |
| 11.960 H | 35 - NatGeo | 28800 |
| 11.960 H | 36 - TVE | 28800 |
| ●12.000 H | 01 - RIT | 28800 |
| 12.000 H | 02 - RIT Noticias | 28800 |
| 12.000 H | 03 - SOS Espiritual | 28800 |
| ●12.000 H | 04 - TV Escola | 28800 |
| 12.000 H | 05 - Nuestra TV | 28800 |
| ●12.000 H | 06 - DW TV | 28800 |
| ●12.000 H | 07 - TV Enlace | 28800 |
| ●12.000 H | 08 - Terra Viva | 28800 |
| 12.000 H | 09 - Bandeirantes | 28800 |
| 12.000 H | 10 - Fox Life | 28800 |
| 12.000 H | 11 - Bloomberg | 28800 |
| 12.000 H | 12 - Boomerang | 28800 |
| 12.000 H | 13 - Discovery Chann | 28800 |
| 12.000 H | 14 - Discovery Kids | 28800 |
| 12.000 H | 15 - Disney Channel | 28800 |
| 12.000 H | 16 - ESPN Internatio | 28800 |
| 12.000 H | 17 - TNT | 28800 |
| 12.000 H | 18 - CNN Espanhol | 28800 |
| ●12.000 H | 19 - Home & Health | 28700 |
| ●12.000 H | 20 - IIGD | 28700 |
| ●12.000 H | 21 - CJC | 28700 |
| ●12.000 H | 22 - RTPI | 28700 |
| ●12.000 H | 23 - Climatempo | 28700 |
| ●12.000 H | 25 - Discovery Turbo | 28700 |
| ●12.000 H | 26 - TCM | 28700 |
| ●12.000 H | 27 - Animal Planet | 28700 |
| ●12.000 H | 28 - ESPN Brasil | 28700 |
| ●12.000 H | 29 - Travel & Living | 28700 |
| ●12.000 H | 30 - WooHoo | 28700 |
| ●12.000 H | 31 - Ra Tim Bum | 28700 |
| ●12.000 H | 32 - Hallmark | 28700 |
| ●12.000 H | 33 - Discovery Scien | 28700 |
| ●12.000 H | 34 - Disc. Civilizat | 28700 |
| ●12.000 H | 35 - NatGeo | 28700 |
| ●12.000 H | 36 - TVE | 28700 |
| ●12.000 H | 24 - Band Sports | 28700 |
| ●12.000 H | Service 1 | 28700 |
| ●12.134 H | Television 1 | 4000 |

**AMC 3**
**273.0 East (87.0 West)**
**AMC003CB**

| Freq Pol GHz | Channel Name | Symbol rate |
|---|---|---|
| 3.719 H | Michigan Government | 4167 |
| 3.732 H | APTN3 +442074827430 | 5632 |
| 3.744 H | Michigan Government | 3520 |
| 3.810 V | A copy of A copy of | 14000 |
| 3.810 V | A copy of Test Chann | 14000 |
| 3.810 V | FSN alt programming | 14000 |
| 3.810 V | MSC m | 14000 |
| 3.810 V | MSC w | 14000 |
| 3.830 V | BALT DMA Blackout | 14000 |
| 3.830 V | CSN Alternate Channe | 14000 |
| 3.830 V | CSN Alternate Channe | 14000 |
| 3.830 V | CSN Baltimore | 14000 |
| 3.830 V | CSN Baltimore 202 | 14000 |
| 3.830 V | CSN Beckley/Bluefi | 14000 |
| 3.830 V | CSN Charlottesvill | 14000 |
| 3.830 V | CSN Harrisburg Wiz | 14000 |
| 3.830 V | CSN Harrisburg/Yor | 14000 |
| 3.830 V | CSN Harrisonburg V | 14000 |
| 3.830 V | CSN International/Ph | 14000 |
| 3.830 V | CSN Media Pool | 14000 |
| 3.830 V | CSN Norfolk VA | 14000 |
| 3.830 V | CSN Philly, PA | 14000 |
| 3.830 V | CSN Richmond VA | 14000 |
| 3.830 V | CSN Roanoke VA | 14000 |
| 3.830 V | CSN Salisbury | 14000 |
| 3.830 V | CSN Tri-Cities VA | 14000 |
| 3.830 V | CSN Washington | 14000 |
| 3.830 V | Independance/Stuart | 14000 |
| 3.837 H | Supercanal Caribe | 3617 |
| 3.844 H | Horse Racing TV | 3024 |
| 4.043 H | Ambassador 1 | 7140 |
| 4.043 H | Ambassador 2 | 7140 |
| 4.043 H | Focus on the Family | 7140 |
| 4.043 H | Focus on the Family | 7140 |
| 4.043 H | Focus on the Family | 7140 |
| 4.043 H | Info Radio Net | 7140 |
| 4.043 H | Moody Bible Radio 1 | 7140 |
| 4.043 H | Moody Bible Radio 2 | 7140 |
| 4.043 H | Salem Radio Network | 7140 |
| 4.043 H | Salem Radio Network | 7140 |
| 4.043 H | Salem Radio Network | 7140 |
| 4.043 H | Salem Radio Network | 7140 |
| 4.043 H | Salem Radio Network | 7140 |
| 4.043 H | Salem Radio Network | 7140 |
| 4.106 H | ZNS TV Bahamas | 6150 |
| 4.118 H | PBS NY | 9300 |
| 4.118 H | WPIX | 9300 |
| 4.118 H | WWOR | 9300 |
| 4.118 H | DEFAULT | 9300 |
| 4.132 H | WNET-TV | 9300 |
| 4.174 H | SG Test Card | 3024 |

**AMC003KB**




| Freq Pol GHz | Channel Name | Symbol rate |
|---|---|---|
| 11.723 H | | 3675 |
| 11.736 V | AR/FRN | 6102 |
| 11.736 V | ENGLISH | 6102 |
| 11.736 V | INFO. | 6102 |
| 11.736 V | UR/ENG | 6102 |
| 11.736 V | URDU | 6102 |
| 11.800 H | Unknown | 30000 |
| 11.821 V | AR/FRN | 10000 |
| 11.956 H | Entertainment,Reques | 21000 |
| 11.956 H | Live Events | 21000 |
| 11.956 H | Marketsource | 21000 |
| 11.956 H | Newsource Main | 21000 |
| 11.974 H | GPTV feeds (Channe | 6000 |
| 12.009 V | AR/FRN | 5000 |
| 12.098 V | Service 2 | 4340 |
| 12.140 V | Unknown | 30000 |
| 12.144 H | Montana PBS Feed ( | 4340 |
| 12.157 H | Unknown | 4444 |
| 12.169 H | Service 2 SD | 4444 |
| 12.180 V | Unknown | 30000 |
| 11.736 V | ARABIYA | 8333 |
| 11.736 V | ARB-TR | 8333 |
| 11.736 V | BNG-TR | 8333 |
| 11.736 V | ENG-TR | 8333 |
| 11.736 V | FRN-TR | 8333 |
| 11.736 V | INFOCAST | 8333 |
| 11.736 V | MTA+3 | 8333 |
| 11.736 V | MTAOne | 8333 |
| 11.957 H | Entertainment,Reques | 21000 |
| 11.957 H | Live Events | 21000 |
| 11.957 H | Newsource Main | 21000 |
| 11.975 H | Channel 5 - Washingt | 6000 |

**AMC 2 , AMC 16**
**275.0 East (85.0 West)**
**AMC002KB**

| Freq Pol GHz | Channel Name | Symbol rate |
|---|---|---|
| 11.987 H | SATELLINK | 13021 |
| 12.167 V | 502-262-7148 SABI | 12500 |
| 12.186 H | STS 3 Encoder 1 | 14030 |

**C-Band: BRASILSAT B3**
**276.0 East (84.0 West)**

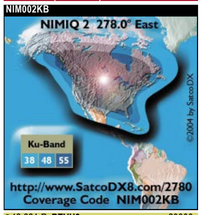
| Freq Pol GHz | Channel Name | Symbol rate |
|---|---|---|
| 3.698 V | TV Catolica Cancao N | 4280 |
| 3.698 V | Radio Cancao Nova | 4280 |
| 3.700 V | TV Sul America | 3333 |
| 3.705 H | TV SERRA DOURADA | 4278 |
| 3.705 H | TV Serra Dourada | 4278 |
| 3.710 V | Assemblia Sao Paulo | 12960 |
| 3.710 V | Cine Brasil TV | 12960 |
| 3.710 V | Teleconferencia Chan | 12960 |
| 3.710 V | TV Cultura Sao Paulo | 12960 |
| 3.710 V | TV Ra-Tim-Bum | 12960 |
| 3.710 V | Radio Cultura AM | 12960 |
| 3.710 V | Radio Cultura FM | 12960 |
| 3.716 H | TV Grande Minas | 4000 |
| 3.724 V | Radio Pentacostal De | 2075 |
| 3.724 H | TV Mirante | 4412 |
| 3.724 H | Mirante FM | 4412 |
| 3.732 V | audio | 3214 |
| 3.732 V | TV Radio Clube | 3214 |
| 3.736 H | TV Sul Fluminense | 3330 |
| 3.736 H | Radio Sul Fluminense | 3330 |
| 3.738 V | TV Morena | 4708 |
| 3.745 V | Net Cable TV promo | 3110 |
| 3.747 H | Canal Audio | 4299 |
| 3.747 H | Rede Nacional | 4299 |
| 3.753 H | RBA Sat | 3563 |
| 3.753 H | Radio Clube - Belem | 3563 |
| 3.757 H | TV Cidade Verde | 3563 |
| 3.765 H | TV Net | 4285 |
| 3.765 H | TVE Bahia | 4285 |
| 3.765 H | Radio Educadora FM | 4285 |
| 3.768 V | Test Card | 8000 |
| 3.768 V | Rede STV | 8000 |
| 3.768 V | Teleconferencia | 8000 |
| 3.769 H | TV Horizonte | 3333 |
| 3.769 H | Radio Cultura AM | 3333 |
| 3.776 H | TV Palmas | 3327 |
| 3.781 V | TV Taroba | 3330 |
| 3.791 V | TV Assembleia Legi | 3330 |
| 3.825 H | Rede Mundial TV | 3002 |
| 3.844 H | Feeds (NoName) | 3213 |
| 3.848 H | Internacional | 10127 |
| 3.848 H | Nacional | 10127 |
| 3.848 H | Regional | 10127 |
| 3.848 H | TV Cancao Nova (Inte | 10127 |
| 3.848 H | TV Cancao Nova (Naci | 10127 |
| 3.848 H | TV Cancao Nova (Regi | 10127 |
| 3.856 H | Canal Audio | 4295 |
| 3.856 H | Rede Nacional | 4295 |
| 3.858 V | KTV | 4289 |
| 3.858 V | Rio de Janeiro | 4289 |
| 3.858 V | VIDEOCOM | 4289 |
| 3.866 H | Record Belem | 4423 |
| 3.866 H | Rede Record-PA | 4423 |
| 3.871 H | Rede Record-RJ | 4433 |
| 3.877 H | Rede Familia | 4450 |
| 3.889 H | Rede Record-BA | 4440 |
| 3.895 H | Rede Record-GO | 4430 |
| 3.906 H | TV Gazeta | 3929 |
| 3.911 V | TV Sul Bahia | 3255 |
| 3.912 H | RD IELF-1 | 3617 |
| 3.912 H | RD IELF-2 | 3617 |
| 3.916 H | TV Campo Grande MS | 3255 |
| 3.921 H | TV Genesis | 3255 |
| 3.924 V | TV Damasio | 1808 |
| 3.926 V | TV Aratu Da Bahia | 3255 |
| 3.931 H | Galeria de Artes | 3255 |
| 3.933 V | Bandeirantes - Bahia | 3255 |
| 3.936 V | Medalhao Persa fe | 3255 |
| 3.936 H | MEDALHAO PERSA-PR | 3255 |
| 3.936 H | TV Exclusiva | 3255 |
| 3.941 V | REDE SUPER | 3255 |
| 3.941 V | Rede Super | 3255 |
| 3.944 V | TV Assembleia Gaucha | 1808 |
| 3.951 V | Rede Brasileira de I | 4340 |
| 3.955 V | TV Tribuna | 4340 |
| 3.967 V | Mix TV Regional | 2170 |
| 3.970 V | 5 | 4445 |
| 3.970 V | TV Educativa do Ri | 4445 |
| 3.970 V | Radio FM Cultura 107 | 4445 |
| 3.986 V | Cine Brasil | 3255 |
| 3.989 V | CBS TV | 2666 |
| 4.013 V | TV Educativa | 3255 |
| 4.054 V | Teve Shop Cachoeria | 1287 |
| 4.060 V | TV Justica | 3330 |
| 4.075 V | CNT | 4444 |
| 4.087 H | Band 1 | 17200 |
| 4.087 H | Band 2 | 17200 |
| 4.087 H | Band News | 17200 |
| 4.087 H | Band Sports | 17200 |
| 4.087 H | Rede 21 | 17200 |
| 4.087 H | Band AM | 17200 |
| 4.087 H | Band FM | 17200 |
| 4.087 H | RADIO A | 17200 |
| 4.087 H | RADIO B | 17200 |
| 4.087 H | RADIO C | 17200 |
| 4.087 H | RADIO D | 17200 |
| 4.087 H | RADIO E | 17200 |
| 4.133 V | TV Assembleia Legi | 2531 |
| 4.151 H | Pucsat Rio Grande do | 1808 |
| 4.153 V | Praetorium Sat | 1851 |
| 4.155 V | Sexy TV | 2169 |
| 4.155 V | SEXY TV | 2169 |
| 4.167 H | TV Educon | 3255 |
| 4.169 V | TV Basa | 8140 |
| 3.688 V | Canal 21 | 2308 |
| 3.697 H | Rede Cig | 1808 |

**AMC 9**
**277.0 East (83.0 West)**
**AMC003KB**

| Freq Pol GHz | Channel Name | Symbol rate |
|---|---|---|
| 11.725 H | Feed | 4232 |
| 11.749 H | Feed (QWndberg Servi | 4232 |
| 11.752 H | Feed (DIGITAL SNG | 4232 |
| 11.752 H | Feed (KNTV90 P1) | 4232 |
| 11.756 H | Feed (DIGITAL SNG | 4232 |
| 11.756 H | Feed (KF0R SNG UN | 4232 |
| 11.762 H | Feed (1) | 4232 |
| 11.762 H | Feed (DIGITAL SNG | 4232 |
| 11.768 H | Feed (Tandberg Servi | 4232 |
| 11.772 H | Feed (AMC 9/3F) | 4232 |
| 11.772 H | Feed (DIGITAL SNG | 4232 |
| 11.774 H | Feed (AMC 9/3F) | 4232 |
| 11.778 H | Feed (DIGITAL SNG | 4232 |
| 11.790 H | Feed (WSMV ) | 4232 |

| Freq Pol GHz | Channel Name | Symbol rate |
|---|---|---|
| 11.845 H | Feed | 17800 |
| 12.140 V | Feed ({Empty Name}) | 30000 |

**North America**
**NIMIQ 2**
**278.0 East (82.0 West)**
**NIM002KB**




| Freq Pol GHz | Channel Name | Symbol rate |
|---|---|---|
| ●12.224 R | BTVH2 | 20000 |
| 12.224 R | CKPG | 20000 |
| 12.224 R | FAIR | 20000 |
| 12.224 R | FAIRM | 20000 |
| 12.224 R | FAIRW | 20000 |
| 12.224 R | PUNCH | 20000 |
| 12.224 R | RTVi+ | 20000 |
| 12.224 R | S+L | 20000 |
| 12.224 R | SLN | 20000 |
| 12.224 R | SLVSC | 20000 |
| 12.224 R | TALNT | 20000 |
| 12.224 R | DW-R1 | 20000 |
| 12.224 R | DW-R2 | 20000 |
| 12.239 L | ALPHA | 20000 |
| 12.239 L | B4U | 20000 |
| 12.239 L | BINGO | 20000 |
| 12.239 L | CBCTK | 20000 |
| 12.239 L | DW-TV | 20000 |
| 12.239 L | EWTN | 20000 |
| 12.239 L | HPI-C | 20000 |
| 12.239 L | HPI-I | 20000 |
| 12.239 L | HPI-W | 20000 |
| 12.239 L | MEGA | 20000 |
| 12.239 L | OMNBC | 20000 |
| 12.253 R | ATN | 20000 |
| 12.253 R | BITE | 20000 |
| 12.253 R | CBCTB | 20000 |
| 12.253 R | CTVTB | 20000 |
| 12.253 R | E!MTL | 20000 |
| 12.253 R | GMA | 20000 |
| 12.253 R | MILIT | 20000 |
| 12.253 R | Ntv | 20000 |
| 12.253 R | SRC-E | 20000 |
| 12.253 R | TLNE | 20000 |
| 12.253 R | 91,9 | 20000 |
| 12.253 R | AMB | 20000 |
| 12.253 R | UPRIX | 20000 |
| 12.268 L | ARY | 20000 |
| 12.268 L | CBN | 20000 |
| 12.268 L | CKWS | 20000 |
| 12.268 L | CPJC* | 20000 |
| 12.268 L | CTV-K | 20000 |
| 12.268 L | GTV | 20000 |
| 12.268 L | HPI-1 | 20000 |
| 12.268 L | NDTV | 20000 |
| 12.268 L | SKYTG | 20000 |
| 12.268 L | SKYWY | 20000 |
| 12.268 L | TvPOL | 20000 |
| 12.268 L | GXY19 | 20000 |
| 12.268 L | GXY25 | 20000 |
| 12.268 L | GXY27 | 20000 |
| 12.268 L | GXY35 | 20000 |
| 12.268 L | GXY37 | 20000 |
| 12.268 L | POLR1 | 20000 |
| 12.282 R | AOV | 20000 |
| 12.282 R | AOV-M | 20000 |
| 12.282 R | CHAT | 20000 |
| 12.282 R | ERT | 20000 |
| 12.282 R | HPI-2 | 20000 |
| 12.282 R | ODYS1 | 20000 |
| 12.282 R | PHNIX | 20000 |
| 12.282 R | RTVi | 20000 |
| 12.282 R | Sony | 20000 |
| 12.282 R | TAMIL | 20000 |
| 12.282 R | TVI | 20000 |
| 12.282 R | POLR3 | 20000 |
| 12.297 L | BTVHD | 20000 |
| ●12.297 L | ExVu1 | 20000 |
| 12.297 L | iTV1 | 20000 |
| 12.297 L | iTV5 | 20000 |
| 12.297 L | iTV6 | 20000 |
| 12.297 L | iTV7 | 20000 |
| 12.297 L | iTV9 | 20000 |
| 12.297 L | NOVA | 20000 |
| 12.297 L | NOVA* | 20000 |
| 12.297 L | VuTV | 20000 |
| 12.297 L | VuTV3 | 20000 |
| 12.297 L | VuTV5 | 20000 |
| 12.311 R | BTVH2 | 20000 |
| ●12.341 R | RDSHD | 20000 |
| 12.341 R | SRCHE | 20000 |
| 12.355 L | PBSHW | 20000 |
| 12.355 L | SCHD2 | 20000 |
| 12.355 L | SCRHD | 20000 |
| 12.370 R | CBCHW | 20000 |
| 12.370 R | MCHD2 | 20000 |
| 12.370 R | CTYHE | 20000 |
| 12.384 L | HDVu1 | 20000 |
| 12.384 L | HDVu2 | 20000 |
| 12.384 L | VuFHD | 20000 |
| 12.384 L | VuHD1 | 20000 |
| 12.384 L | VuHD2 | 20000 |
| ●12.384 L | DISHD | 20000 |
| ●12.384 L | DISHD* | 20000 |
| 12.399 R | FOXHW | 20000 |
| 12.399 R | NBCHW | 20000 |
| ●12.399 R | NHLH1 | 20000 |
| 12.414 L | APTNH | 20000 |
| ●12.414 L | APTNH* | 20000 |
| 12.414 L | NBCHE | 20000 |
| ●12.414 L | NBCHE* | 20000 |
| ●12.414 L | ABCHE | 20000 |
| ●12.414 L | ABCHE* | 20000 |
| 12.428 R | SHWHD | 20000 |
| 12.428 R | WGNHD | 20000 |
| 12.428 R | MLBH3 | 20000 |
| 12.428 R | NFLH6 | 20000 |
| ●12.428 R | NHLH2 | 20000 |
| ●12.443 L | TLCHD | 20000 |
| 12.443 L | TSNHD | 20000 |
| ●12.443 L | TSNHD* | 20000 |
| 12.457 R | OASIS | 20000 |
| 12.457 R | TRESR | 20000 |
| 12.457 R | SN-HD | 20000 |
| 12.472 L | M-HD | 20000 |
| ●12.472 L | M-HD* | 20000 |
| ●12.472 L | SNHD2 | 20000 |
| ●12.472 L | SNHD2* | 20000 |
| ●12.486 R | FOXHE | 20000 |
| ●12.486 R | VuFH3 | 20000 |
| ●12.486 R | VuHD5 | 20000 |
| ●12.486 R | HDEDM | 20000 |
| 12.501 L | CTVHE | 20000 |
| ●12.501 L | CTVHE* | 20000 |
| 12.501 L | MPXHD | 20000 |
| ●12.501 L | MPXHD* | 20000 |
| 12.501 L | MLBH2 | 20000 |
| ●12.501 L | NHLH3 | 20000 |
| ●12.501 L | NHLH3* | 20000 |
| 12.516 R | SEHD | 20000 |
| 12.516 R | D-HD | 20000 |
| 12.516 R | Z-HD | 20000 |
| 12.530 L | TQSHD | 20000 |
| 12.530 L | TVAHD | 20000 |
| ●12.530 L | TVAHD* | 20000 |
| ●12.530 L | TQSHD* | 20000 |
| ●12.530 L | VRKHD | 20000 |
| ●12.530 L | VRKHD* | 20000 |
| 12.545 R | PBSHE | 20000 |
| ●12.545 R | GLBHW | 20000 |
| ●12.545 R | MLBH6 | 20000 |
| 12.545 R | NCAA7 | 20000 |



**TV** Digital
**Radio** Digital
**TV** Digital Crypt
**Radio** Digital Crypt
**TV** High Definition
**TV** High Definition Crypt

January 30, 31 and February 1, 2009
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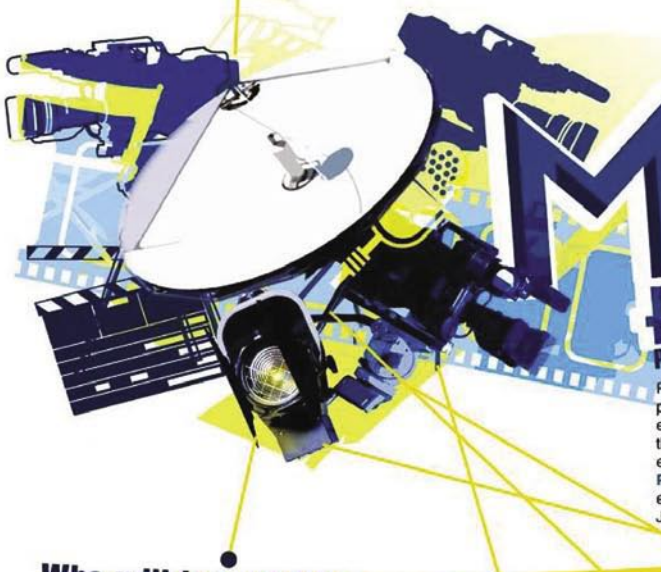

Present your portfolio of production and broadcast equipment and services and steal the show with the latest and edgiest technology at **Media Pakistan**, a one of its kind exhibition that debuts this January.

Boasting an impressive cast of the leading digital, broadcast and satellite media technology vendors and suppliers, **Media Pakistan** will be visited by key representatives from Pakistan's leading television channels, radio stations, production and animation houses, providing you with a blockbuster of an opportunity!

So get ready to make a production out of it - call us now to book a stall at **Media Pakistan!**

## Who will be exhibiting at Media Pakistan

- **Cable and satellite equipment and accessories providers:** Plasma TV, LNB, MMD and cable and satellite manufacturers
- **Manufacturing companies, agents and distributors of:** Receivers, decoders, dish antennas, MATV equipment, modulators and amplifiers
- **Satellite communications related products and services:** Satellite operators/carriers, systems manufacturers/distributors, Telecom infrastructure, data equipment and system integration service providers, Video conferencing, billing system, Wimax and Wifi technology providers
- **Broadcast and production equipment and technology providers:** Camera, lighting, audio equipment, broadcast equipment, system (including OB vans), automation, management, production and post production equipment and service providers, Computer graphics software and equipment, Motion picture products and services

## Who will be visiting Media Pakistan

Key representatives from radio stations, TV channels, production and animation houses and R and D consultancy firms

- **Cable and satellite operators and programmers**
- **Computer graphics/special effects and animation /production specialists**
- **Internet, mobile, web service and streaming media service providers**
- **System integrators**
- **Advertising/public relations professionals**

Design: Creative Unit

The DAWN Media Group

THE DAWN MEDIA GROUP
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12.545 R NSCH1 20000
12.559 L A&EHD* 20000
12.559 L DLRHD 20000
12.559 L HDVu4 20000
12.559 L VuHD4 20000
12.559 L A&EHD 20000
12.559 L HDVAN 20000
12.559 L NFLH5 20000
12.574 R GEOHD 20000
12.574 R CBSHE 20000
12.589 L RUSH 20000
12.589 L RUSH* 20000
12.589 L HDNET 20000
12.589 L HDNET* 20000
12.589 L NFLH1 20000
12.589 L NFLH1* 20000
12.589 L SNHD3 20000
12.603 R GLBHE 20000
12.603 R SCHD1 20000
12.603 R NHLH4 20000
12.603 R MLBH1 20000
12.603 R NFLH3 20000
12.604 R GLBHE 20000
12.604 R SCHD1 20000
12.604 R NHLH4 20000
12.604 R MLBH1 20000
12.604 R NFLH3 20000
12.618 L CTVHW 20000
12.618 L CTVHW* 20000
12.618 L HBOH1 20000
12.618 L HBOH1* 20000
12.618 L MLBH5 20000
12.618 L NCAA8 20000
12.618 L NCAA8* 20000
12.618 L NSCH2 20000
12.618 L SNHD4 20000
12.632 R S+HD 20000
12.632 R VIEHD 20000
12.632 R HSTHD 20000
12.647 L CBSHW 20000
12.647 L CBSHW* 20000
12.647 L HBOH2 20000
12.647 L HBOH2* 20000
12.647 L RAPHD 20000
12.647 L RAPHD* 20000
12.661 R IMAG2 20000
12.661 R NCHD 20000
12.661 R TSN2H 20000
12.661 R IMAG3 20000
12.661 R IMAG1 20000
12.676 L EQATR 20000
12.676 L EQATR* 20000
12.676 L VuHD3 20000
12.676 L ABCHW 20000
12.676 L ABCHW* 20000
12.676 L HDVu3 20000
12.676 L NFLH4 20000
12.676 L VuFH1 20000
12.677 L EQATR* 20000
12.677 L HDVu3 20000
12.677 L VuFH1 20000
12.677 L VuHD3 20000
12.677 L ABCHW 20000
12.677 L ABCHW* 20000
12.677 L EQATR 20000
12.677 L NFLH4 20000

**C-Band: SATCOM C3**
**281.0 East (79.0 West)**
11.111 V Test Channel

**GALAXY 17**
**288.0 East (74.0 West)**
11.733 H Service 1 6616
11.796 V OLN HD PRIMARY 24741
11.840 H Unknown 30000
11.911 H ENC 1 13235
11.911 H ENC 2 13235
11.911 H UFC64 13235
11.920 H Feed 14143
11.936 V Feed (Tribune 5/6 ) 4297
11.936 V Feed ({Empty Name}) 4297
11.952 H Feed 3978
11.952 H Feed ( NEWS 12 WE 3978
11.954 V Feed (KTLA Single 4297
11.954 V Feed (WPIX KU 2 SA 4297
11.954 V Feed ({Empty Name}) 4297
11.958 V Feed (Tribune 5/6 ) 4297
11.958 V Feed (WPIX_TV) 4297
11.958 V Feed ({Empty Name}) 4297
11.959 H CHEESESTEAK 1 13235
11.959 H PSSI 13235
11.959 H SCOPUS-NET-TECH 13235
11.959 H Signal 3 Channel 3 13235
11.959 H SURE SHOT ENC1 13235
11.964 V Tribune DC 4297
11.975 H Crawford T5_A 13235
11.975 H Tandberg Service 13235
11.977 V Feed 6111
11.977 V Feed (Service 2) 6111
11.977 V Feed (WTVT TAMPA) 3978
11.977 V Feed ({Empty Name}) 6111
11.979 H Feed (NEWS 12 LI/I 3978
11.979 H Feed (NEWS_12 _NJ) 3978
11.986 V Feed 6111
11.987 H Feed (NEWS 12 CT) 3978
11.987 H Feed (WDAF SNG) 3978
12.000 H Unknown 30000
12.002 V NEW ORLEANS PATH 3200
12.009 V SATOPS NETU15 6890
12.009 V SATOPS NETU16 6890
12.009 V SATOPS NETU18 6890
12.009 V SATOPS NETU19 6890
12.029 H Feed (Auto 9MHz) 4492
12.033 V NBC Feed (AMC-1/9 4232
12.033 V NBC Feed (NBC SAT 4232
12.033 V NBC Feed (PEAK) 4232
12.033 V NBC Feed (SATELLI 4232
12.037 H Feed (DIRECT BR0A 4492

**AMC 6**
**288.0 East (72.0 West)**
AMC006CB

3.934 V WRBJ-TV 8681
3.934 V WZRB-TV 8681
3.994 V PA CABLE NETWORK 4167
4.040 V HQ4 26665
4.040 V HQ1 26665
4.040 V HQ2 26665
4.040 V HQ3 26665
3.953 V PA CABLE NETWORK 4167

**NAHUEL 1A**
**288.2 East (71.8 West)**
NAH001K1

11.649 V Canal 7 3700
11.680 V La Pampa 3385
11.692 V Canal 9 3385
11.692 V TV Santa Cruz 3385
11.692 V Radio Provincia Del 3385
11.817 V Canal Rural Satelita
11.865 H Valparaiso Sporting 3000
11.954 V Canal 10 17910
11.954 V Monte Carlo TV 17910
11.954 V Red de TV Color 17910
11.954 V Teledoce 17910
11.954 V TVE Internacional Am 17910
11.954 V Tveo TV Nacional 17910
11.954 V Concierto FM 17910
11.954 V CX 6 Sodre 17910
11.954 V Radio Carve 17910
11.954 V Radio Cero 17910
11.954 V X FM 17910
11.997 V CM El Canal de la Mu 8476
11.997 V Cronica TV 8476
12.180 V Canal 7 Santiago 4201

NAH001K3

11.478 V TV Libre 2220
11.585 V Canal 11 3700
11.603 V Canal 27 Guatemala 3600
11.611 V Unsion Equador 3400
11.626 V Canal 48 Honduras 3600
11.633 V Conexion 31 Promos 3600
11.633 V Nahuel Promos 3600
11.675 V TV Libre Uruguay 3600
11.708 V Canal Rural Satelita 12000
11.708 V Conexion Educativa 12000
11.708 V Nahuel Promos 12000
11.708 V SEMSAT - Sembrando 12000
11.739 V Red Media Educativa 1482
11.949 H Hipodromo 4688

**C-Band: BRASILSAT B4**
**290.0 East (70.0 West)**
BRA0B1CN

3.820 V ACTION 27500
3.820 V CULT 27500
3.820 V EMOTION 27500
3.820 V Feeds 27500
3.820 V Multishow 27500
3.820 V MULTISHOW 27500
3.820 V PIPOCA 27500
3.820 V PREMIERE4 27500
3.820 V PREMIUM 27500
3.820 V Telecine Action 27500
3.820 V Telecine Classic 27500
3.820 V Telecine Emotion 27500
3.820 V Telecine Happy 27500
3.820 V Telecine Premium 27500
3.820 V CCP DOWNLOAD 27500
3.820 V DCP DOWNLOAD 27500
3.820 V VC for ENC1P10 27500
3.820 V VC for ENC1P8 27500
3.820 V VC for ENC1P9 27500
3.875 V TV RECORD SP 5926
3.900 V BRASIL 27500
3.900 V Canal Brazil 27500
3.900 V Feeds 27500
3.900 V feeds 27500
3.900 V Globo News 27500
3.900 V GLOBONEWS 27500
3.900 V GNT 27500
3.900 V PREMIERE5 27500
3.900 V PREMIERE6 27500
3.900 V Sexy Hot 27500
3.900 V SEXYHOT 27500
3.900 V UNIVERSAL 27500
3.900 V USA Network Brazil 27500
3.900 V VC for ENC2P10 27500
3.900 V VC for ENC2P8 27500
3.900 V VC for ENC2P9 27500
3.940 V CANAL 7 27500
3.940 V Feeds 27500
3.940 V Premiere 1 27500
3.940 V Premiere 2 27500
3.940 V Premiere 3 27500
3.940 V SporTV 27500
3.940 V CANAL 6 27500
3.940 V CCP Download (sistem 27500
3.940 V DCP Download (sistem 27500
3.955 H TV Ceara-Educativa 4400
3.964 H TV MUNDO MAIOR 1328
3.965 V TV ESCOLA 2930
3.965 V TV Escola 2930
3.973 V Biblioteca Digital M 4030
3.978 V Cine Brasil 1220
3.978 V CBED CH2 3616
3.979 V REDE CBED 3616
3.981 V TV CBED 1808
3.984 H Rede Nacional 1808
3.984 H Test Card 1808
4.010 H ESPN Brasil 13021
4.010 H ESPN Brasil Altern 13021
4.010 H MTV 2 13021
4.010 H MTV Brasil 13021
4.040 H Animal Planet 30000
4.040 H Band News 30000
4.040 H Band Sports 30000
4.040 H Boomerang 30000
4.040 H Canal Brasil 30000
4.040 H Cartoon Network 30000
4.040 H Discovery Channel 30000
4.040 H Discovery Kids 30000
4.040 H People & Arts 30000
4.040 H TCM 30000
4.040 H Teste 30000
4.040 H TNT 30000
4.040 H Climatempo 30000
4.047 V TV Amazonas 7150
4.047 V Amazon Sat 7150
4.047 V Amazonas FM 7150

BRA0B1CR

3.628 H TV Camara 3000
3.628 H Radio Camara FM 3000
3.634 H TV Seculo 21 4500
3.642 H NGT 3263
3.645 V TV Senado 3213
3.645 V Radio Senado FM 3213
3.648 H TV Liberal 4285
3.648 H Canal dois (AM/FM) 4285
3.648 H Radio Liberal AM 4285
3.648 H Radio Liberal FM 4285
3.650 H Rede Transporte 4400
3.656 H TV Brasil Central 3392
3.656 V TV Meio Norte 4463
3.656 H Empty audio channel 3392
3.656 V Radio Brasil Sat 4463
3.656 V Radio Brasil Sat FM 4463
3.663 V Unnamed 4607
3.663 V TV Bahia 4607
3.663 V Rede Tropicalsat 4607
3.665 H Rede Bandeirantes Mi 4700
3.665 H Band FM de Minas Ger 4700
3.672 V TV Alterosa 8454
3.672 H TV Centro America 4713
3.672 V Radio Guarani FM 8454
3.680 H Rede Globo Minas Ger 6000
3.685 H Rede Vida Feeds 4500
3.688 H Rede Globo Sao Paolo 6000
3.696 H Rede Minas 3598
3.696 H Radio Inconfidencia 3598
3.703 V TV Difusora do Maran 3250
3.703 V Difusora FM-AM 3250
3.708 V TV Mirante 3250
3.708 V Radio Mirante AM 3250
3.708 V Radio Mirante FM 3250
3.714 V Rede Record Minas Ge 4400
3.714 V Service 1 4400
3.714 V Rede Aleluia Minas G 4400
3.752 V SBT 6220

**C-Band: BRASILSAT B2**
**295.0 East (65.0 West)**
3.706 H BAND Pres.Prudente 2462
3.721 H TV BB 1 2963
3.721 H TV Banco do Brasil C 2963
3.736 H Service 2 4285
3.736 H Radio Boas Novas 4285
3.746 H RBN-REDE 3540
3.746 H Rede Boas Novas 3540
3.766 H Canal Futura 3335
3.766 H Service 1 3335
3.792 V Radio Gazeta 3393
3.792 V TV Gazeta MT 3393
3.847 H TV Tibagi 4444
3.864 H Canal do Boi Sertaoz 3214
3.876 V NBR TV 4688
3.876 V Radio Nacional AM 4688
3.876 V Radio Nacional FM 4688
3.877 V TV TAROBA 2740
3.884 H BAND Presidente Pr 2800
4.008 H TV Rodolink 3332
4.105 V CANAL DO BOI - 2T 4285
4.112 V NoName 4285

**North-East South America**
**ESTRELA DO SUL 1**
**297.0 East (63.0 West)**
EST001KB

11.955 H CPC - Curso Prepar 2199
12.088 H LORAL BR 3214

**South-West South America**
**ESTRELA DO SUL 1**
**297.1 East (62.9 West)**
11.577 V VTR-1 3124
11.581 V VTR-2 3125
11.598 V VIA X 3124
11.603 V ZONA LATINA 3124
11.640 V Business TV 18099
11.640 V Camara Diputados 18099
11.640 V Canal 13 18099
11.640 V MEGA 18099
11.640 V Chilevision 18099
11.640 V Senado 18099
11.640 V Teletrak 18099
11.640 V Test Radio 18099

**North America**
**ECHOSTAR 3, RAINBOW 1**
**298.5 East (61.5 West)**
12.328 L ALARA 20000
12.328 L ARYDI 20000
12.328 L B4UMU 20000
12.328 L BRDGS 20000
12.328 L BTV 20000
12.328 L DUBAI 20000
12.328 L ESC-1 20000
12.328 L FUTUR 20000
12.328 L IQRAA 20000
12.328 L ITVN 20000
12.328 L MLODY 20000
12.328 L NILE 20000
12.328 L PTV 20000
12.328 L SPORT 20000
12.328 L STAR+ 20000
12.355 L 3ABN 20000
12.355 L ALMA 20000
12.355 L APUNJ 20000
12.355 L ARTMV 20000
12.355 L ARTS 20000
12.355 L EDUCA 20000
12.355 L GSN 20000
12.355 L HHS 20000
12.355 L PAEC 20000
12.355 L PFC 20000
12.355 L PNTGN 20000
12.355 L STARF 20000
12.355 L D61.5 20000
12.355 L ECC 20000
12.355 L SMART 20000
12.384 L AAJTK 20000
12.384 L ABUDA 20000
12.384 L B4U 20000
12.384 L DREAM 20000
12.384 L GEONW 20000
12.384 L HT 20000
12.384 L INDMU 20000
12.384 L INDVI 20000
12.384 L NORST 20000
12.384 L SAMAY 20000
12.384 L SHARA 20000
12.384 L ZCINE 20000
12.384 L ZEESA 20000
12.414 L BSN 20000
12.414 L ERT 20000
12.414 L EURNS 20000
12.414 L HTBA 20000
12.414 L KINO 20000
12.414 L NBN 20000
12.414 L NEWTV 20000
12.414 L RTVI 20000
12.414 L RTVI+ 20000
12.414 L STAR1 20000
12.414 L TVCI 20000
12.414 L TVN24 20000
12.414 L ZEETV 20000
12.414 L ERA-5 20000
12.414 L NT105 20000
12.472 L ANTEN 20000
12.472 L ANTGO 20000
12.472 L ART 20000
12.472 L BTV 20000
12.472 L GLOBO 20000
12.472 L KBS 20000
12.472 L RBTI 20000
12.472 L RCORD 20000
12.472 L SET 20000
12.472 L SETA 20000
12.472 L SETMX 20000
12.472 L TVASA 20000
12.472 L TVJPN 20000
12.472 L ANTRA 20000
12.472 L ARTMU 20000
12.472 L ERASP 20000
12.472 L SSPFM 20000
12.603 R HDPPV 20000
12.603 R SUNTV 20000
12.632 R ALJAZ 20000
12.632 R GEOTV 20000
12.632 R LBC 20000
12.632 R MBC 20000
12.632 R PLSAT 20000
12.632 R RTPI 20000
12.661 R AAGTV 20000
12.661 R ARYOW 20000
12.661 R BLUE 20000
12.661 R DANDA 20000
12.661 R DUBSP 20000
12.661 R HKYAT 20000
12.661 R INTER 20000
12.661 R MUSIK 20000
12.661 R QTV 20000
12.661 R SICNO 20000
12.661 R SPORT 20000
12.661 R SPT 20000
12.661 R ZOOM 20000
12.661 R ASIFM 20000
12.661 R RFI 20000
12.661 R RYTHM 20000
12.661 R ZIKR 20000

**AMAZONAS**
**299.0 East (61.0 West)**
AMA001CB

3.980 H EL TRECE 3330
4.133 H TV Palavra 2400
4.138 H TV CIDADE 3410

AMA001KB

11.055 H Tadiran Scopus 30000
11.097 V Curso Prima 1 9090
11.097 V Curso Prima 2 9090
11.097 V Curso Prima 3 9090
11.097 V Curso Prima 4 9090
11.113 V TV Bromelia 2310

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**AMA001KS**

| Freq GHz | Pol | Channel Name | Symbol rate |
|---|---|---|---|
| 11.737 | H | AE MUNDO | 43200 |
| 11.737 | H | Canal 13 | 43200 |
| 11.737 | H | Canal 13 (Cable) | 43200 |
| 11.737 | H | Cartoon Network | 43200 |
| 11.737 | H | CDF | 43200 |
| 11.737 | H | CHV | 43200 |
| 11.737 | H | Cinemax | 43200 |
| 11.737 | H | Discovery Kids | 43200 |
| 11.737 | H | E! Entertainment | 43200 |
| 11.737 | H | HBO | 43200 |
| 11.737 | H | HBO+ | 43200 |
| 11.737 | H | LA RED | 43200 |
| 11.737 | H | MEGA | 43200 |
| 11.737 | H | TVN | 43200 |
| 11.737 | H | AE MUNDO | 43200 |
| 11.737 | H | Cinecanal 2 | 43200 |
| 11.737 | H | CINEMAX | 43200 |
| 11.737 | H | Fox Sport Premium | 43200 |
| 11.737 | H | HBO | 43200 |
| 11.737 | H | HBO OESTE | 43200 |
| 11.737 | H | HBO+ | 43200 |
| 11.737 | H | MAX Prime | 43200 |
| 11.737 | H | Movie City | 43200 |
| 11.972 | V | )ETTD-2 C2 GDA | 27500 |
| 12.132 | H | Discovery Health | 30000 |
| 12.132 | H | El Goumert | 30000 |
| 12.132 | H | Eurochannel | 30000 |
| 12.132 | H | Fox Channel | 30000 |
| 12.132 | H | Grandes Documentales | 30000 |
| 12.132 | H | HIPICA | 30000 |
| 12.132 | H | History Channel | 30000 |
| 12.132 | H | I-Sat | 30000 |
| 12.132 | H | Jetix | 30000 |
| 12.132 | H | MTV | 30000 |
| 12.132 | H | National Geographic | 30000 |
| 12.132 | H | Nickelodeon | 30000 |
| 12.132 | H | People and Arts | 30000 |
| 12.132 | H | Retrochannel | 30000 |
| 12.132 | H | Space | 30000 |
| 12.132 | H | Travel and Living | 30000 |
| 12.132 | H | TVE | 30000 |
| 12.132 | H | Utilisima | 30000 |
| 12.172 | H | Animal Planet | 30000 |
| 12.172 | H | AXN | 30000 |
| 12.172 | H | Cartoon Network | 30000 |
| 12.172 | H | Cine Canal | 30000 |
| 12.172 | H | CNN en Espanol | 30000 |
| 12.172 | H | Discovery Channel | 30000 |
| 12.172 | H | Disney Channel | 30000 |
| 12.172 | H | E! Entertainment | 30000 |
| 12.172 | H | ESPN | 30000 |
| 12.172 | H | ESPN+ | 30000 |
| 12.172 | H | Fox Sport | 30000 |
| 12.172 | H | Play Boy TV | 30000 |
| 12.172 | H | SONY | 30000 |
| 12.172 | H | The Film Zone | 30000 |
| 12.172 | H | TNT | 30000 |
| 12.172 | H | Universal | 30000 |
| 12.172 | H | Warner | 30000 |

**AMA001SN**

| Freq GHz | Pol | Channel Name | Symbol rate |
|---|---|---|---|
| 12.092 | H | AE MUNDO | 30000 |
| 12.092 | H | CANAL 13 | 30000 |
| 12.092 | H | CANAL 13 CABLE | 30000 |
| 12.092 | H | CDF | 30000 |
| 12.092 | H | CHV | 30000 |
| 12.092 | H | Cinecanal 2 | 30000 |
| 12.092 | H | CINEMAX | 30000 |
| 12.092 | H | DISCOVERY KIDS | 30000 |
| 12.092 | H | Fox Sport Premium | 30000 |
| 12.092 | H | HBO | 30000 |
| 12.092 | H | HBO OESTE | 30000 |
| 12.092 | H | HBO+ | 30000 |
| 12.092 | H | LA RED | 30000 |
| 12.092 | H | MAX Prime | 30000 |
| 12.092 | H | MEGA | 30000 |
| 12.092 | H | Movie City | 30000 |
| 12.092 | H | TVN | 30000 |

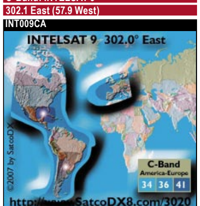
**West Europe, North America**
**INTELSAT 9**
**302.0 East (58.0 West)**

**INT009KC**

| Freq GHz | Pol | Channel Name | Symbol rate |
|---|---|---|---|
| 11.477 | H | DDI | 26470 |
| 11.477 | H | Aastha Ch 2 | 26470 |
| 11.477 | H | Channel 5 | 26470 |
| 11.477 | H | P9 1K - Adhoc Channe | 26470 |
| 11.477 | H | P9 1K - Adhoc Channe | 26470 |
| 11.531 | H | SD_ENC_06 | 6620 |
| 11.612 | H | CUBAVISION | 3670 |

**C-Band: INTELSAT 9**
**302.1 East (57.9 West)**

**INT009CA**




| Freq GHz | Pol | Channel Name | Symbol rate |
|---|---|---|---|
| 3.720 | H | Canal 52 | 19510 |
| 3.720 | V | Canal Fox (Andean) | 27700 |
| 3.720 | V | Canal Fox (Andean/AC | 27700 |
| 3.720 | V | Canal Fox (Brazil) | 27700 |
| 3.720 | V | Canal Fox (Brazil/AC | 27700 |
| 3.720 | V | Canal Fox (Central) | 27700 |
| 3.720 | V | Canal Fox (Central/A | 27700 |
| 3.720 | V | Canal Fox (East) | 27700 |
| 3.720 | V | Canal Fox (East/AC3) | 27700 |
| 3.720 | V | Canal Fox (West) | 27700 |
| 3.720 | V | Canal Fox (West/AC3) | 27700 |
| 3.720 | H | Cino Latino | 19510 |
| 3.720 | H | Exa TV | 19510 |
| 3.720 | V | Feeds (FOX ADHOC) | 27700 |
| 3.720 | V | FX (Brazil) | 27700 |
| 3.720 | V | FX Latin | 27700 |
| 3.720 | V | FX Latin (AC3) | 27700 |
| 3.720 | H | Hallmark Channel Mex | 19510 |
| 3.720 | H | MVS Empresarial | 19510 |
| 3.720 | V | National Geographic | 27700 |
| 3.720 | V | National Geographic | 27700 |
| 3.720 | V | National Geographic | 27700 |
| 3.720 | V | National Geographi | 27700 |
| 3.720 | V | Speed (Latin America | 27700 |
| 3.720 | V | SPEED LATIN AMERI | 27700 |
| 3.720 | H | TV Guide | 19510 |
| 3.720 | H | USA America Latina | 19510 |
| 3.720 | V | USA Network (Latin) | 27700 |
| 3.720 | V | USA Network (Latin | 27700 |
| 3.760 | H | CC ANIV | 28500 |
| 3.760 | V | Channel 30 | 27684 |
| 3.760 | H | Cinecanal | 28500 |
| 3.760 | H | Cinecanal 2 | 28500 |
| 3.760 | H | Cinecanal Este | 28500 |
| 3.760 | H | Cinecanal Oeste | 28500 |
| 3.760 | V | Cl@se Brasil | 27684 |
| 3.760 | V | FTV | 27684 |
| 3.760 | V | FTV Port | 27684 |
| 3.760 | V | FTV VZLA | 27684 |
| 3.760 | V | HTV | 27684 |
| 3.760 | V | I-Sat | 27684 |
| 3.760 | V | Infinito Latino | 27684 |
| 3.760 | V | Infinito Por | 27684 |
| 3.760 | V | Infinito Sur | 27684 |
| 3.760 | V | Infinito USA | 27684 |
| 3.760 | V | Locomotion Latin | 27684 |
| 3.760 | V | Luna Vision 2 | 27684 |
| 3.760 | H | Movie City Este | 28500 |
| 3.760 | H | Movie City Oeste | 28500 |
| 3.760 | V | Much Music | 27684 |
| 3.760 | V | MUCH VZLA | 27684 |
| 3.760 | V | PB Digital + | 27684 |
| 3.760 | V | PB Iberia | 27684 |
| 3.760 | V | PB Latino | 27684 |
| 3.760 | V | PB Latino Port | 27684 |
| 3.760 | V | Playboy Brasil 2 | 27684 |
| 3.760 | V | Playboy Digital + | 27684 |
| 3.760 | V | Playboy Latino 2 | 27684 |
| 3.760 | V | Playboy TV (Brasil M | 27684 |
| 3.760 | V | Playboy TV (Brasil) | 27684 |
| 3.760 | V | Playboy TV (Iberia) | 27684 |
| 3.760 | V | Playboy TV (Latin Am | 27684 |
| 3.760 | V | Playboy TV (Latin Am | 27684 |
| 3.760 | V | Retro | 27684 |
| 3.760 | V | Retro Port | 27684 |
| 3.760 | V | Space | 27684 |
| 3.760 | V | Test card | 27684 |
| 3.760 | H | The Film Zone Este | 28500 |
| 3.760 | H | The Film Zone Oeste | 28500 |
| 3.760 | V | Utilisima | 27684 |
| 3.760 | V | Utilisima Cue | 27684 |
| 3.760 | V | Venevision Continent | 27684 |
| 3.760 | V | Venus NTSC | 27684 |
| 3.760 | V | Venus PAL | 27684 |
| 3.760 | V | Venus Por | 27684 |
| 3.760 | H | CC ANIV | 28500 |
| 3.760 | H | CineCanal Classics p | 28500 |
| 3.760 | V | Prueba | 27684 |
| 3.760 | V | Utilisima Satelital | 27684 |
| 3.786 | H | Canal Caracol altern | 4443 |
| 3.786 | H | Canal Caracol Nacion | 4443 |
| 3.800 | V | !Regional Network/Oc | 26470 |
| 3.800 | V | !Regional Network/Oc | 26470 |
| 3.800 | V | ESPN 2 | 26470 |
| 3.800 | V | ESPN Atlantic Netw | 26470 |
| 3.800 | V | ESPN Brazil | 26470 |
| 3.800 | V | ESPN feeds (Syndic | 26470 |
| 3.800 | V | ESPN Latin Network | 26470 |
| 3.800 | V | ESPN Pacific Rim N | 26470 |
| 3.800 | H | Feeds | 27680 |
| 3.800 | H | Paris Premiere | 27680 |
| 3.800 | V | Syndication PAL | 26470 |
| 3.800 | V | Temp ESPN | 26470 |
| 3.800 | V | Temp ESPN2 | 26470 |
| 3.800 | V | Temp-Atlantic | 26470 |
| 3.800 | V | Temp-Pac Rim | 26470 |
| 3.800 | V | Temp-Synd-NTSC | 26470 |
| 3.800 | H | Test Card | 27680 |
| 3.800 | V | Test enc-10 | 26470 |
| 3.800 | H | Zee TV Africa | 27680 |
| 3.800 | V | Temp-Synd-Pal | 26470 |
| 3.800 | V | Test enc-9 | 26470 |
| 3.800 | V | I-Net Radio | 26470 |
| 3.808 | H | CRI Radio | 3428 |
| 3.815 | H | Movida TV | 3950 |
| 3.815 | H | Onda TV | 3950 |
| 3.840 | H | BBC World (North A | 27684 |
| 3.840 | H | BBC World (South A | 27684 |
| 3.840 | V | Bloomberg TV (Asia-P | 27690 |
| 3.840 | V | Eurochannel | 27690 |
| 3.840 | H | German Television | 27684 |
| 3.840 | V | MGM Gold | 27690 |
| 3.840 | V | Telemundo Internacio | 27690 |
| 3.840 | H | Zee TV | 27684 |
| 3.840 | H | ADHOC 1 | 27684 |
| 3.840 | V | Adhoc 2 - MM1P4 | 27690 |
| 3.840 | H | CCP D9223 Decoder | 27684 |
| 3.840 | H | Cubavision | 27684 |
| 3.840 | H | DCP D9223 Decoder | 27684 |
| 3.840 | H | Deutsche Welle TV (A | 27684 |
| 3.840 | H | EWTN | 27684 |
| 3.840 | H | Feeds (ADHOC 2) | 27684 |
| 3.840 | V | Guatevision | 27690 |
| 3.840 | V | OPEN MM1P4 | 27690 |
| 3.840 | H | Deutsche Welle - 1 | 27684 |
| 3.840 | H | Deutsche Welle - 2 | 27684 |
| 3.840 | H | Deutsche Welle - 7 | 27684 |
| 3.840 | H | EWTN Radio | 27684 |
| 3.840 | H | EWTN Radio PAZ | 27684 |
| 3.880 | V | Animal Planet (Brasi | 27684 |
| 3.880 | V | Bert | 27684 |
| 3.880 | V | Civilization (SPN) | 27684 |
| 3.880 | V | Civilization Eng/E | 27684 |
| 3.880 | V | Discovery Channel (B | 27684 |
| 3.880 | V | Discovery Channel (I | 27684 |
| 3.880 | V | Discovery Channel (V | 27684 |
| 3.880 | V | Discovery Health (Br | 27684 |
| 3.880 | V | Discovery Health Bra | 27684 |
| 3.880 | V | Discovery Kids (Bras | 27684 |
| 3.880 | V | Discovery Travel & A | 27684 |
| 3.880 | V | People & Arts (Brasi | 27684 |
| 3.880 | V | People & Arts (Iberi | 27684 |
| 3.880 | V | People and Arts (Mex | 27684 |
| 3.880 | V | Science (POR) | 27684 |
| 3.880 | V | Science (POR) Digita | 27684 |
| 3.880 | V | Science (SPN) Cast | 27684 |
| 3.880 | V | Science English/En | 27684 |
| 3.880 | V | Turbo (POR) | 27684 |
| 3.880 | V | Turbo (POR) Digital | 27684 |
| 3.880 | V | Turbo (SPN) Cast/C | 27684 |
| 3.880 | V | Turbo English/Engl | 27684 |
| 3.880 | H | Adhoc Chanel 7 | 27684 |
| 3.880 | H | Arirang TV World 2 | 27684 |
| 3.880 | H | CCP Copy of 6 | 27684 |
| 3.880 | H | CCTV 3 | 27684 |
| 3.880 | H | CCTV 4 | 27684 |
| 3.880 | H | CCTV 9 | 27684 |
| 3.880 | H | DCP copy of 6 | 27684 |
| 3.880 | H | Feeds | 27684 |
| 3.880 | H | HSER Upgrade | 27684 |
| 3.880 | H | MM Channel | 27684 |
| 3.880 | H | Test Card | 27684 |
| 3.880 | H | YTN | 27684 |
| 3.911 | V | Fox Sports Basico | 13330 |
| 3.911 | V | Fox Sports Basico | 13330 |
| 3.911 | V | FOX SPORTS CONO S | 13330 |
| 3.911 | V | Fox Sports Premium | 13330 |
| 3.911 | V | Fox Sports Premium | 13330 |
| 3.924 | V | Enlace Juvenil | 6620 |
| 3.924 | V | TBN Enlace | 6620 |
| 3.924 | V | Enlace Radio | 6620 |
| 3.924 | V | SE RADIO | 6620 |
| 3.933 | V | 3ABN | 7000 |
| 3.933 | V | 3ABN Cue Tones | 7000 |
| 3.933 | V | 3ABN Radio | 7000 |
| 3.933 | V | Radio 74 | 7000 |
| 3.933 | V | WDQN | 7000 |
| 4.000 | H | BBC World | 27690 |
| 4.000 | H | BBC World (Latin A | 27690 |
| 4.000 | H | German TV | 27690 |
| 4.000 | H | Paris Premiere | 27690 |
| 4.000 | H | Zee TV | 27690 |
| 4.000 | H | Deutsche Welle TV | 27690 |
| 4.000 | H | RTP International | 27690 |
| 4.000 | H | Test Card | 27690 |
| 4.000 | H | Deutsche Welle 1 | 27690 |
| 4.000 | H | Deutsche Welle 2 | 27690 |
| 4.000 | H | Deutsche Welle 7 | 27690 |
| 4.000 | H | RDP 1 | 27690 |
| 4.000 | H | Renascenca Canal 1 | 27690 |
| 4.000 | H | RTP | 27690 |
| 4.080 | H | !Central Europe Emer | 27684 |
| 4.080 | H | Copy AsiaPac NTSC | 27684 |
| 4.080 | H | Hallmark Channel (Ar | 27684 |
| 4.080 | H | Hallmark Channel (Br | 27684 |
| 4.080 | H | Hallmark Channel (Is | 27684 |
| 4.080 | H | Hallmark Channel (La | 27684 |
| 4.080 | H | Hallmark Channel (Me | 27684 |
| 4.080 | H | Hallmark Channel (Ru | 27684 |
| 4.080 | H | Hallmark Channel (Sc | 27684 |
| 4.080 | H | Hallmark Channel (UK | 27684 |
| 4.080 | V | MTV | 27690 |
| 4.080 | V | MTV (South) | 27690 |
| 4.080 | V | MTV Central | 27690 |
| 4.080 | V | MTV Central (Andean) | 27690 |
| 4.080 | V | MTV Central (Caribbe | 27690 |
| 4.080 | V | MTV Central (Chile) | 27690 |
| 4.080 | V | MTV Central (Colombi | 27690 |
| 4.080 | V | MTV Central (Venezue | 27690 |
| 4.080 | V | MTV North (Mexico) | 27690 |
| 4.080 | V | Nickelodeon (Andean) | 27690 |
| 4.080 | V | Nickelodeon (Argenti | 27690 |
| 4.080 | V | Nickelodeon (Brasil) | 27690 |
| 4.080 | V | Nickelodeon (Caribbe | 27690 |
| 4.080 | V | Nickelodeon (Central | 27690 |
| 4.080 | V | Nickelodeon (Chile) | 27690 |
| 4.080 | V | Nickelodeon (Colombi | 27690 |
| 4.080 | V | Nickelodeon (Mexico) | 27690 |
| 4.080 | V | Nickelodeon (Venezue | 27690 |
| 4.080 | H | Primary Argentina 2P | 27684 |
| 4.080 | H | Primary Brazil Encod | 27684 |
| 4.080 | H | Primary Mexico Encod | 27684 |
| 4.080 | H | PrimaryLatAmPanReg | 27684 |
| 4.080 | H | Test Asia | 27684 |
| 4.080 | V | VH1 | 27690 |
| 4.080 | V | VH1 Latino | 27690 |
| 4.107 | H | 1 Nacional | 6620 |
| 4.107 | H | 2 Internacional | 6620 |
| 4.107 | H | 3 Servicios | 6620 |
| 4.120 | V | Al Arabiyah | 27500 |
| 4.120 | V | Al Jazeera | 27500 |
| 4.120 | V | ART Australia | 27500 |
| 4.120 | V | Art Global America | 27500 |
| 4.120 | V | ART Latino | 27500 |
| 4.120 | V | Art Movies Ameica | 27500 |
| 4.120 | V | Iqraa Channel | 27500 |
| 4.120 | V | Kuwait TV | 27500 |
| 4.120 | V | LBC America | 27500 |
| 4.120 | V | LBC Australia | 27500 |
| 4.120 | V | Leonardo World | 27500 |
| 4.120 | V | MBC Europe | 27500 |
| 4.120 | V | NBN | 27500 |
| 4.120 | V | RAI International | 27500 |
| 4.120 | V | Video Italia | 27500 |
| 4.120 | V | NourSat | 27500 |
| 4.120 | V | Radio Italia | 27500 |
| 4.120 | V | Radio Italia Anni 60 | 27500 |
| 4.120 | V | Radio2 Moro | 27500 |
| 4.120 | V | RAI Radio (Australia | 27500 |
| 4.120 | V | Antenna 1 97.1 FM | 27500 |
| 4.120 | V | ART Al Ddkir Chann | 27500 |
| 4.120 | V | ART Music Channel | 27500 |
| 4.120 | V | RAI International | 27500 |
| 4.123 | H | CTNi | 2222 |
| 4.127 | H | Bethel TV | 3273 |
| 4.137 | H | Family Christian Net | 3675 |
| 4.137 | H | FCN | 2941 |
| 4.143 | V | Feeds | 2205 |
| 4.157 | H | Feeds (Sersat) | 6500 |
| 4.160 | V | La Cadena del Milagr | 3000 |

**America, Europe**
**C-Band: INTELSAT 805**
**304.5 East (55.5 West)**

**INT805HB**

| Freq GHz | Pol | Channel Name | Symbol rate |
|---|---|---|---|
| ● 3.451 | H | EADCON-1 | 4444 |
| ● 3.451 | H | EADCON-2 | 4444 |
| 3.466 | V | FSC JAMAICA | 4340 |
| 3.466 | V | IMC2 TEST CHANN | 4340 |
| ● 3.667 | H | EDUCON - LAPA | 3300 |
| 3.675 | V | A.D.venir (digital) | 2660 |
| 3.677 | H | Perú Mágico | 4232 |
| 3.727 | H | EDUCON - LAPA | 10370 |
| 3.735 | V | IMC | 8680 |
| 3.735 | V | SPORTSMAX | 8680 |
| 3.735 | V | RE TV | 8680 |
| ● 3.751 | V | APTN3 +442074827430 | 5632 |
| ● 3.768 | H | LatinAmericaBkup | 4427 |
| 3.776 | H | ATV | 7400 |
| 3.776 | H | Global TV | 7400 |
| 3.912 | V | EDUCON - LAPA | 1808 |
| ● 3.936 | H | BBC Amer Feed 1 | 3255 |
| ● 3.936 | H | BBC Amer Feed 2 | 3255 |
| ● 3.936 | H | BBC Amer Feed 3 | 3255 |
| ● 3.936 | H | BBC Amer Feed 4 | 3255 |
| ● 3.936 | H | BBC Arabic | 3255 |
| ● 3.936 | H | BBC Brazil | 3255 |
| ● 3.936 | H | BBC English (Amer.) | 3255 |
| ● 3.936 | H | BBC English (Carib.) | 3255 |
| ● 3.936 | H | BBC English News | 3255 |
| ● 3.936 | H | BBC Spanish | 3255 |
| 3.999 | V | Telemedia 1 | 5200 |
| 3.999 | V | Telemedia 2 | 5200 |
| 3.999 | V | {Empty} | 5200 |
| 4.027 | V | CANAL UNO | 3000 |
| 4.027 | V | EDUCON - LAPA | 3000 |
| ● 4.080 | V | RTP Africa | 4340 |
| ● 4.080 | V | RTPi America | 4340 |
| ● 4.080 | V | RTPi Asia | 4340 |
| ● 4.080 | V | RTPi Europa | 4340 |
| ● 4.080 | V | Radio RDP Africa | 4340 |
| ● 4.080 | V | Radio RDP Antena1 | 4340 |
| ● 4.080 | V | Radio RDP Internacio | 4340 |
| 4.084 | H | EDUCON - LAPA | 10318 |
| 4.097 | H | CANAL 10 | 5247 |
| 4.097 | H | CANAL 4 | 5247 |
| 4.105 | H | EDUCON - LAPA | 5062 |
| ● 4.134 | H | GLOBO INTERNACION | 6111 |
| 4.134 | H | GLOBO INTERNATION | 6111 |
| ● 4.134 | H | GI UPGD S/W | 6111 |
| ● 4.134 | H | GLOBO INTERNATION | 6111 |
| 4.140 | V | AUDIO TEST | 4700 |
| 4.140 | V | FRECUENCIA LATINA | 4700 |
| 4.158 | H | EDUCON - LAPA | 1446 |
| 4.177 | V | MTV CENTRAL | 27690 |
| 4.177 | V | MTV CENTRAL - COP | 27690 |
| 4.177 | V | MTV CENTRAL - COP | 27690 |
| 4.177 | V | MTV CENTRAL - COP | 27690 |
| 4.177 | V | MTV CENTRAL - COP | 27690 |
| 4.177 | V | MTV CENTRAL CHILE | 27690 |
| 4.177 | V | MTV H | 27690 |
| 4.177 | V | MTV J | 27690 |
| 4.177 | V | MTV NORTH (MEXICO | 27690 |
| 4.177 | V | MTV SOUTH (ARGENT | 27690 |
| 4.177 | V | NICK NORTH (MEXIC | 27690 |
| 4.177 | V | NICK NORTH - COPY | 27690 |
| 4.177 | V | NICK SOUTH (ARGEN | 27690 |
| 4.177 | V | NICK SOUTH (CHILE | 27690 |
| 4.177 | V | NICK SOUTH -COPY | 27690 |
| 4.177 | V | Test 9 | 27690 |
| 4.177 | V | VH-1 LATINO (PANR | 27690 |
| 4.177 | V | VH1 Latino South ( | 27690 |
| 4.177 | V | VH1 SL | 27690 |
| 4.177 | V | VH1L B | 27690 |
| 3.748 | V | EDUCON - LAPA | 3250 |

**INTELSAT 707**
**307.0 East (53.0 West)**

**INT707CA**

| Freq GHz | Pol | Channel Name | Symbol rate |
|---|---|---|---|
| 4.135 | L | Alef Network | 4300 |
| 3.831 | R | ORTB | 2711 |
| 3.856 | R | AFRICABLE | 3906 |

**INT707KA**

| Freq GHz | Pol | Channel Name | Symbol rate |
|---|---|---|---|
| 11.875 | V | TV Senado | 2344 |
| 11.891 | V | Entel Mux | 19510 |

**INT707WH**

| Freq GHz | Pol | Channel Name | Symbol rate |
|---|---|---|---|
| 3.820 | R | Sports Max | 3255 |

**C-Band: INTELSAT 705**
**310.0 East (50.0 West)**

**INT705CG**

| Freq GHz | Pol | Channel Name | Symbol rate |
|---|---|---|---|
| 4.126 | L | RCTV Venezuela | 6113 |
| 4.126 | L | Radio Caracas | 6113 |

**INT705EH**

| Freq GHz | Pol | Channel Name | Symbol rate |
|---|---|---|---|
| 4.071 | L | TVes | 4600 |

**INT705WH**

| Freq GHz | Pol | Channel Name | Symbol rate |
|---|---|---|---|
| 3.911 | R | Red Television | 3617 |
| 3.917 | R | Tele Canal | 4087 |

**INTELSAT 1R**
**315.0 East (45.0 West)**

**INT01REH**

| Freq GHz | Pol | Channel Name | Symbol rate |
|---|---|---|---|
| 11.510 | H | CCTV 4 | 26694 |
| 11.510 | H | CCTV E&F | 26694 |

**C-Band: INTELSAT 1R**
**315.1 East (44.9 West)**

**INT01REA**

| Freq GHz | Pol | Channel Name | Symbol rate |
|---|---|---|---|
| 3.825 | H | Deus e amor Infocard | 2075 |
| 3.825 | H | Deus e amor Radio | 2075 |

**INT01RUV**

| Freq GHz | Pol | Channel Name | Symbol rate |
|---|---|---|---|
| 3.742 | V | Aldeia FM | 4445 |
| 3.742 | V | TV Aldeia | 4445 |
| 3.760 | V | Telefuturo (left aud | 2941 |
| 3.764 | V | Canal 5 El Lider | 4963 |
| 3.764 | V | Telecadena 7 y 4 | 4963 |
| 3.773 | V | Canal 45 Teleradio A | 3000 |
| 3.773 | V | Hola Gente TV | 3000 |
| 3.781 | V | Telecentro | 3750 |
| 3.869 | H | Gamavision | 3515 |
| 3.869 | H | GAMAVISION ECUADO | 3515 |
| 3.910 | V | CMC TELEVISION | 4410 |
| 4.040 | V | CTC-Mundo | 4347 |
| 4.071 | V | UCV TV | 2615 |
| 4.096 | H | Education A Distanci | 8102 |
| 4.096 | H | Radio Nacional del P | 8102 |
| 4.106 | V | Televicentro | 14450 |
| 4.106 | V | Tu Universo Televisi | 14450 |
| 4.106 | V | WKAQ-TV | 14450 |
| 4.106 | V | WLII-TV | 14450 |
| 4.192 | H | Deus e Amor | 2075 |

**South America**
**INTELSAT 1R**
**315.2 East (44.8 West)**

**INT01RAH**

| Freq GHz | Pol | Channel Name | Symbol rate |
|---|---|---|---|
| ● 11.790 | V | {Empty Name} | 10000 |
| 11.808 | V | TV | 4444 |
| 11.808 | H | TV PAN | 4777 |
| 11.808 | H | TV Mulher&Mae | 4777 |
| 11.833 | H | Hola Gente TV | 19170 |
| 11.873 | H | Canal 45 Teleradio A | 11000 |
| ● 11.870 | V | FLYAWAY-PDVSA-1 | 3000 |
| ● 11.874 | V | Rafael 01 | 3000 |

**INTELSAT 3R, 11**
**317.0 East (43.0 West)**

**INT03REU**

| Freq GHz | Pol | Channel Name | Symbol rate |
|---|---|---|---|
| 12.568 | H | AAPNA DES | 2170 |
| 12.584 | V | Clasico TV | 27500 |
| 12.584 | V | De Pelicula | 27500 |
| 12.584 | V | Galavision | 27500 |
| 12.584 | V | Promocion | 27500 |
| 12.584 | V | Ritmoson | 27500 |
| 12.584 | V | Telehit | 27500 |
| 12.584 | V | Telenovelas | 27500 |
| 12.588 | H | C essentiel | 2480 |
| 12.607 | V | Tvsa Int Europa | 6250 |
| 12.618 | V | XEW-TV-2 | 1560 |
| 12.651 | H | Fox News | 30800 |
| 12.651 | H | Fox sports | 30800 |
| 12.651 | H | ADHOC 22 | 30800 |
| 12.651 | H | ADHOC 24 | 30800 |
| 12.651 | H | EWTN 1 | 30800 |
| 12.651 | H | EWTN 2 | 30800 |
| 12.651 | H | VC 30 Open | 30800 |
| 12.659 | V | Buzz | 28665 |
| 12.659 | V | Cinematk | 28665 |
| 12.659 | V | CineStar | 28665 |
| 12.659 | V | Dark | 28665 |
| 12.659 | V | Kidsco | 28665 |
| 12.659 | V | MGM | 28665 |
| 12.659 | V | Natura | 28665 |
| 12.659 | V | Pacha | 28665 |
| 12.659 | V | Somos | 28665 |
| 12.659 | V | Xtreme | 28665 |
| 12.659 | V | THE AUTISM CH | 28665 |
| 12.715 | V | Peru TV | 6355 |

**INT06BBR**

| Freq GHz | Pol | Channel Name | Symbol rate |
|---|---|---|---|
| 10.722 | H | Artear Virtual 1 | 30000 |
| 10.722 | H | Artear Virtual 2 | 30000 |
| 10.722 | H | Artear Virtual 3 | 30000 |
| 10.722 | H | Canal 10 Roca | 30000 |
| 10.722 | H | Canal 13 | 30000 |
| 10.722 | H | EPTV | 30000 |
| 10.722 | H | ESPN Brasil | 30000 |
| 10.722 | H | Magazine | 30000 |
| 10.722 | H | Pacote UFC | 30000 |
| 10.722 | H | RBS TV | 30000 |
| 10.722 | H | Rede Globo | 30000 |
| 10.722 | H | Sky Premiere | 30000 |
| 10.722 | H | TC Classic | 30000 |
| 10.722 | H | The Weather Channel | 30000 |
| 10.722 | H | Todo Noticias | 30000 |
| 10.722 | H | TV Bahia | 30000 |
| 10.722 | H | TV Escola | 30000 |
| 10.722 | H | TV Vanguarda | 30000 |
| 10.722 | H | TyC Inter. NTSC | 30000 |
| 10.722 | H | TyC Inter. PAL | 30000 |
| 10.722 | H | TyC Max | 30000 |
| 10.722 | H | TyC Sports | 30000 |
| 10.722 | H | TyC Virtual | 30000 |
| 10.722 | H | Volver | 30000 |
| 10.722 | H | Globo AM | 30000 |
| 10.722 | H | Radio France Interna | 30000 |
| 10.722 | H | Radio Mitre | 30000 |
| 10.802 | V | Futura | 30000 |
| 10.802 | V | Globo News | 30000 |
| 10.802 | H | Globo RJ | 30000 |
| 10.802 | V | GNT | 30000 |
| 10.802 | V | Multishow | 30000 |
| 10.802 | V | Shoptime | 30000 |
| 10.802 | H | Sky | 30000 |
| 10.802 | H | Sky Premiere | 30000 |
| 10.802 | V | SporTV | 30000 |
| 10.802 | H | Telecine Happy | 30000 |
| 10.802 | V | Telecine Premium | 30000 |
| 10.802 | H | TV Senado | 30000 |
| 10.802 | V | USA Network | 30000 |
| 10.802 | H | Sky Premiere | 30000 |
| 10.802 | V | Anos 60 | 30000 |
| 10.802 | V | Axe | 30000 |
| 10.802 | V | Baladas Romanticas | 30000 |
| 10.802 | H | Blues | 30000 |
| 10.802 | H | Bossa Nova | 30000 |
| 10.802 | H | Country | 30000 |
| 10.802 | V | Disco | 30000 |
| 10.802 | V | Globo FM | 30000 |
| 10.802 | H | Grandes Intérpretes | 30000 |
| 10.802 | H | Heavy Metal | 30000 |
| 10.802 | H | Jazz Classico | 30000 |
| 10.802 | H | Pop Teen | 30000 |
| 10.802 | H | Rhythm & Blues | 30000 |
| 10.802 | V | Rock | 30000 |
| 10.802 | V | Samba e Pagode | 30000 |
| 10.802 | V | Sucessos | 30000 |
| 10.802 | V | Trilhas Sonoras | 30000 |
| 10.882 | V | Boomerang | 30000 |
| 10.882 | V | Canal Brasil | 30000 |
| 10.882 | V | Canal Rural | 30000 |
| 10.882 | H | Central Nacional de | 30000 |
| 10.882 | H | Globo SP | 30000 |
| 10.882 | H | MTV Brasil | 30000 |
| 10.882 | H | National Geographic | 30000 |
| 10.882 | H | Rede STV | 30000 |
| 10.882 | H | Rede Vida | 30000 |
| 10.882 | V | Sexy Hot | 30000 |
| 10.882 | H | Telecine Action | 30000 |
| 10.882 | H | Telecine Emotion | 30000 |
| 10.882 | V | TV Camara | 30000 |
| 10.882 | V | TV Escola | 30000 |
| 10.882 | H | TV Justica | 30000 |
| 10.882 | V | TV Senado | 30000 |
| 10.882 | V | Anos 70 | 30000 |
| 10.882 | V | BBC World Service | 30000 |
| 10.882 | V | Gospel | 30000 |
| 10.882 | V | Hip Hop | 30000 |
| 10.882 | H | Jovem Pan 2 FM | 30000 |
| 10.882 | H | Jovem Pan AM | 30000 |
| 10.882 | V | MPB | 30000 |
| 10.882 | H | Radio Clube do Para | 30000 |
| 10.882 | H | Radio Gaucha | 30000 |
| 10.882 | V | Rave | 30000 |
| 10.882 | V | Reggae | 30000 |
| 10.882 | H | Rock Classico | 30000 |
| 10.882 | V | Sertanejo | 30000 |
| 10.882 | V | Voice of America | 30000 |
| 12.583 | H | C+ HORIZONS | 9404 |
| 12.583 | H | CANAL+ CINEMA | 9404 |
| 12.583 | H | CINE CINEMAS | 9404 |
| 12.583 | H | TV5MONDE AFRIQUE | 9404 |
| 12.608 | V | Tvsa Int Europa | 6250 |

**C-Band: INTELSAT 3R**
**317.1 East (42.9 West)**

**INT03RAM**

| Freq GHz | Pol | Channel Name | Symbol rate |
|---|---|---|---|
| 3.719 | V | Fox Sports feeds (ch | 19849 |
| 3.719 | V | Fox Sports feeds (ch | 19849 |
| 3.719 | V | Fox Sports feeds (ch | 19849 |
| 3.719 | V | Fox Sports feeds (Do | 19849 |
| 3.744 | V | Canal Fox | 21259 |
| 3.744 | V | CC Aniversario | 21259 |
| 3.744 | V | Cinecanal (East) | 21259 |
| 3.744 | V | Movie City (East) | 21259 |
| 3.744 | V | Movie City (West) | 21259 |
| 3.744 | V | The Film Zone | 21259 |
| 3.744 | V | Cinecanal (East) | 21259 |
| 3.744 | V | MKT Channel | 21259 |
| 3.785 | H | Boomerang (Brazil) | 30800 |
| 3.785 | H | Boomerang (Latin Ame | 30800 |
| 3.785 | H | Boomerang (Latin Ame | 30800 |
| 3.785 | H | Cartoon Network (Bra | 30800 |
| 3.785 | H | Cartoon Network (Bra | 30800 |
| 3.785 | H | Cartoon Network (Bra | 30800 |
| 3.785 | H | Cartoon Network (Lat | 30800 |
| 3.785 | H | Cartoon Network (Lat | 30800 |
| 3.785 | H | Cartoon Network (Lat | 30800 |
| 3.785 | H | Cartoon Network (Lat | 30800 |
| 3.785 | H | Cartoon Network (Lat | 30800 |
| 3.785 | H | Cartoon Network (Lat | 30800 |
| 3.785 | H | Cartoon Network (Lat | 30800 |
| 3.785 | H | TCM (Latin America) | 30800 |
| 3.785 | H | TCM LA | 30800 |
| 3.785 | H | TEN Confidence Feed | 30800 |
| 3.785 | H | TNT (Brazil) | 30800 |
| 3.785 | H | TNT (Chile) | 30800 |
| 3.785 | H | TNT (Latin America | 30800 |
| 3.785 | H | TNT (Latin America | 30800 |
| 3.785 | H | TNT (Latin America | 30800 |
| 3.785 | H | TNT (Latin America | 30800 |
| 3.785 | H | TNT (Latin America | 30800 |
| 3.785 | H | Toon-Tina | 30800 |
| 3.785 | H | Toon-Tina (left audi | 30800 |
| 3.785 | H | Toon-Tina (right aud | 30800 |
| 3.840 | V | Fashion TV (Latin Am | 27684 |
| 3.840 | V | I-sat | 27684 |
| 3.840 | V | Infinito | 27684 |
| 3.840 | V | MuchMusic | 27684 |
| 3.840 | V | Retro | 27684 |
| 3.840 | V | Space | 27684 |
| 3.840 | V | Utilisima Satelital | 27684 |
| 3.840 | V | Venus | 27684 |
| 3.840 | V | Venus Latino | 27684 |
| 3.846 | H | Test card | 30800 |
| 3.846 | H | Bloomberg TV Brasil | 30800 |
| 3.846 | H | CNBC | 30800 |
| 3.846 | H | Feeds (Adhoc) | 30800 |
| 3.846 | H | Open VC#2 | 30800 |
| 3.846 | H | Test card | 30800 |
| 3.846 | H | TYC Sports - MM#2 | 30800 |
| 3.846 | H | BBC Radio Service | 30800 |
| 3.856 | V | Boomerang (Brazil) | 30800 |
| 3.856 | V | Boomerang (Latin Ame | 30800 |
| 3.856 | V | TCM (Latin America) | 30800 |
| 3.856 | V | TNT (Brazil) | 30800 |
| 3.856 | V | TNT (Chile) | 30800 |
| 3.856 | V | TNT (Latin America | 30800 |
| 3.856 | V | TNT (Latin America) | 30800 |
| 3.856 | V | TNT (Mexico) | 30800 |
| 3.856 | V | Toon-Tina | 30800 |
| 3.856 | V | Toon-Tina (Brazil) | 30800 |
| 3.856 | V | Toon-Tina (Latin Ame | 30800 |
| 3.856 | V | Toon-Tina (Mexico) | 30800 |
| 3.856 | V | Test card | 30800 |
| 3.868 | H | Feeds (Adhoc) | 6620 |
| 3.872 | H | Panamsat test card | 6620 |
| 3.887 | H | Televisa Feed | 5715 |
| 3.891 | V | Feeds | 6111 |
| 3.906 | V | TV Azteca | 13239 |
| 3.910 | V | Globecast feeds | 5632 |
| 3.930 | V | Feeds (OTI#1) | 25000 |
| 3.937 | H | Feeds (TELEVISA F | 3906 |
| 3.944 | H | Feeds (Service 1) | 5710 |
| 3.946 | V | Feeds (Service 2) | 2592 |
| 3.958 | V | TV 5 Amerique Latine | 6500 |
| 3.968 | H | De Pelicula | 21090 |
| 3.968 | H | Estrellas | 21090 |
| 3.968 | H | Ritmoson | 21090 |
| 3.968 | H | Telehit | 21090 |
| 3.968 | H | Telenovelas | 21090 |
| 3.971 | H | enc3p1 dig Port | 13800 |
| 3.971 | H | enc3p1 dig Sp | 13800 |
| 3.971 | H | enc3p1 Port | 13800 |
| 3.971 | H | enc3p1 Sp | 13800 |
| 3.971 | H | enc3p2 dig Port | 13800 |
| 3.971 | H | enc3p2 dig Sp | 13800 |
| 3.971 | H | enc3p2 Port | 13800 |
| 3.971 | H | enc3p2 Sp | 13800 |
| 3.971 | H | enc3p3 dig Port | 13800 |
| 3.971 | H | enc3p3 dig Sp | 13800 |
| 3.971 | H | enc3p3 Port | 13800 |
| 3.971 | H | enc3p3 Sp | 13800 |
| 3.971 | H | enc3p4 dig Port | 13800 |
| 3.971 | H | enc3p4 dig Sp | 13800 |
| 3.971 | H | enc3p4 Port | 13800 |
| 3.971 | H | enc3p4 Sp | 13800 |
| 3.971 | H | enc3p5 dig Port | 13800 |
| 3.971 | H | enc3p5 dig Sp | 13800 |
| 3.971 | H | enc3p5 Port | 13800 |
| 3.971 | H | enc3p5 Sp | 13800 |
| 3.971 | H | enc3p6 dig Port | 13800 |
| 3.971 | H | enc3p6 dig Sp | 13800 |
| 3.971 | H | enc3p6 Port | 13800 |
| 3.971 | H | enc3p6 Sp | 13800 |
| 3.971 | H | enc3p7 dig Port | 13800 |
| 3.971 | H | enc3p7 dig Sp | 13800 |
| 3.971 | H | enc3p7 Port | 13800 |
| 3.971 | H | enc3p7 Sp | 13800 |
| 3.971 | H | enc3p8 dig Port | 13800 |
| 3.971 | H | enc3p8 dig Sp | 13800 |
| 3.971 | H | enc3p8 Port | 13800 |
| 3.971 | H | enc3p8 Sp | 13800 |
| 3.971 | H | enc3p9 dig Port | 13800 |
| 3.971 | H | enc3p9 dig Sp | 13800 |
| 3.971 | H | enc3p9 Port | 13800 |
| 3.971 | H | enc3p9 Sp | 13800 |
| 3.988 | V | Bloomberg (Latin Ame | 4070 |
| 3.996 | H | Animal Planet | 21090 |
| 3.996 | H | Discovery Channel (A | 21090 |
| 3.996 | H | Discovery Channel (L | 21090 |
| 3.996 | H | Discovery Channel (M | 21090 |
| 3.996 | H | Discovery Health (La | 21090 |
| 3.996 | H | Discovery Kids (Lati | 21090 |
| 3.996 | H | People and Arts (Arg | 21090 |
| 3.996 | H | People and Arts (Lat | 21090 |
| 4.003 | V | TV Azteca | 6620 |
| 4.041 | H | CNN en Espanol | 30800 |
| 4.041 | H | CNN en Espanol (Mexi | 30800 |
| 4.041 | H | CNN International | 30800 |
| 4.041 | H | CNN Mexico | 30800 |
| 4.041 | H | CNN Newsource | 30800 |
| 4.041 | H | CNN Spanish Radio | 30800 |
| 4.041 | H | CNNe Espanol | 30800 |
| 4.041 | H | CNNe Brazil | 30800 |
| 4.041 | H | CNNfn/CNN Headline | 30800 |
| 4.041 | H | CNNI Latin America | 30800 |
| 4.041 | H | HLN Asia | 30800 |
| 4.041 | H | International News S | 30800 |
| 4.041 | H | SAG Path 1 | 30800 |
| 4.041 | H | SAG Path 2 | 30800 |
| 4.041 | H | CNN en Espanol (Braz | 30800 |
| 4.041 | H | CNN Radio | 30800 |
| 4.106 | V | !Regional Network/Oc | 26470 |
| 4.106 | V | !Regional Network/Oc | 26470 |
| 4.106 | V | ESPN | 26470 |
| 4.106 | V | ESPN (Atlantic) | 26470 |
| 4.106 | V | ESPN (Brazil) | 26470 |
| 4.106 | V | ESPN (Latin A) | 26470 |
| 4.106 | V | ESPN (Latin B) | 26470 |
| 4.106 | V | ESPN (Pac Rim) | 26470 |
| 4.106 | V | ESPN 2 | 26470 |
| 4.106 | V | ESPN feeds (Syndic | 26470 |
| 4.106 | V | Syndication NTSC | 26470 |
| 4.106 | V | Temp ESPN | 26470 |
| 4.106 | V | Temp ESPN2 | 26470 |
| 4.106 | V | Temp-Atlantic | 26470 |
| 4.106 | V | Temp-Pac Rim | 26470 |
| 4.106 | V | Temp-Synd-NTSC | 26470 |
| 4.106 | V | Temp-Synd-Pal | 26470 |
| 4.106 | V | Test enc-10 | 26470 |
| 4.106 | V | Test enc-9 | 26470 |
| 4.106 | V | I-Net Radio | 26470 |
| 4.151 | H | Artear Virtual 1 | 24570 |
| 4.151 | H | Artear Virtual 2 | 24570 |
| 4.151 | H | Artear Virtual 3 | 24570 |
| 4.151 | H | Canal 10 Roca | 24570 |
| 4.151 | H | Canal 13 | 24570 |
| 4.151 | H | Magazine | 24570 |
| 4.151 | H | Todo Noticias | 24570 |
| 4.151 | H | TyC Inter. NTSC | 24570 |
| 4.151 | H | TyC Inter. PAL | 24570 |
| 4.151 | H | TyC Max | 24570 |
| 4.151 | H | TyC Sports | 24570 |
| 4.151 | H | TyC Virtual | 24570 |
| 4.151 | H | Volver | 24570 |
| 4.151 | H | Fm 100 | 24570 |
| 4.151 | H | Radio Mitre | 24570 |

**America, Europe**
**C-Band: NSS 806**
**319.5 East (40.5 West)**

**NSS806CH**

| Freq GHz | Pol | Channel Name | Symbol rate |
|---|---|---|---|
| 3.469 | L | RBTI | 4444 |
| 3.469 | L | N_Mensagem | 4444 |
| 3.475 | L | JBN TV | 4800 |
| 3.600 | R | Canaan TV | 25180 |
| 3.632 | R | COLOMBEIA | 2712 |
| 3.637 | L | MAYA TV | 2963 |
| 3.641 | R | CMB TV | 2665 |
| 3.641 | L | Vivebien Service | 2749 |
| 3.644 | L | TV NAZAR | 2534 |
| 3.646 | R | TV GENESIS | 3979 |
| 3.646 | R | COMUNICAÇ O TV | 3979 |
| 3.646 | R | RADIO GENESIS | 3979 |
| 3.652 | L | TV GRANDE RIO | 4000 |
| 3.652 | L | GRANDE RIO FM | 4000 |
| 3.654 | R | TV ASA BRANCA | 5924 |
| 3.660 | L | America Television | 4350 |
| 3.660 | R | Canaan TV | 2540 |
| ● 3.663 | R | REDE UNIAO | 2170 |
| 3.667 | R | Canaan TV | 3340 |
| 3.675 | L | NT ESPAN | 5900 |
| 3.675 | L | NT PORT. | 5900 |
| 3.675 | L | RNT ESP. | 5900 |
| 3.675 | L | RNT POR. | 5900 |
| 3.675 | R | TELEGRACIA | 2220 |
| 3.679 | R | Canaan TV | 2220 |
| 3.685 | L | default program | 6500 |

**TV** Digital — **Radio** Digital — **TV** Digital Crypt — **Radio** Digital Crypt — **TV** High Definition — **TV** High Definition Crypt

| Freq GHz | Pol | Channel Name | Symbol rate |
|---|---|---|---|
| 3.685 | R | K MUSIC | 6666 |
| 3.685 | R | RADIOLA | 6666 |
| 3.685 | R | TV CENTRO | 6666 |
| 3.691 | R | Canaan TV | 2203 |
| 3.725 | R | Feed 1 (America2) | 26667 |
| 3.727 | L | Baby TV | 26670 |
| 3.727 | L | FOX Life Latin | 26670 |
| 3.727 | L | FX Central | 26670 |
| 3.727 | L | FX Latin | 26670 |
| 3.727 | L | FX PAL | 26670 |
| 3.727 | L | Utilisima Satelital | 26670 |
| 3.727 | L | Management TV Latam | 26670 |
| 3.727 | L | NAT GEO Music | 26670 |
| 3.727 | L | Universal Channel PA | 26670 |
| 3.727 | L | Utilisima NTSC | 26670 |
| ● 3.758 | R | A.Sport | 26667 |
| 3.758 | R | Canal (a) | 26667 |
| 3.758 | R | Cosmo NTSC | 26667 |
| 3.758 | R | Cosmo Pal | 26667 |
| 3.758 | R | ElGarage TV | 26667 |
| 3.758 | R | ElGourmet NTSC | 26667 |
| 3.758 | R | ElGourmet PAL | 26667 |
| 3.758 | L | ESPN + NTSC | 20000 |
| 3.758 | L | ESPN + PAL | 20000 |
| 3.758 | L | ESPN Latin NTSC | 20000 |
| 3.758 | L | ESPN Latin PAL | 20000 |
| 3.758 | R | Europa-Europa | 26667 |
| 3.758 | R | Film&Arts Por | 26667 |
| 3.758 | R | Film&Arts Spa | 26667 |
| 3.758 | R | Reality TV | 26667 |
| 3.758 | L | Virtual Channel 4 | 20000 |
| ● 3.758 | R | Feed I | 26667 |
| 3.758 | L | PHD Brasil | 20000 |
| 3.774 | L | Argentinisima | 6670 |
| 3.774 | L | La Red | 6670 |
| 3.774 | L | Radio Del Plata | 6670 |
| 3.774 | L | Sist. Nac. Medios Pu | 6670 |
| 3.803 | R | AdHoc | 26855 |
| 3.803 | R | CL@SE | 26855 |
| 3.803 | R | GOL TV | 26855 |
| 3.803 | L | SIC TV | 27500 |
| 3.803 | R | AdHoc 02 | 26855 |
| 3.803 | R | AdHoc 03 | 26855 |
| 3.803 | R | Daystar | 26855 |
| 3.803 | L | DUNA TV | 27500 |
| 3.803 | L | ERT | 27500 |
| 3.803 | R | Maharishi University | 26855 |
| 3.803 | R | Rede Gospel | 26855 |
| 3.803 | L | Russia Today | 27500 |
| 3.803 | R | CCP Download | 26855 |
| 3.803 | R | D9225 Download | 26855 |
| 3.803 | R | DCP Download | 26855 |
| 3.803 | R | MetOpera | 26855 |
| 3.803 | L | RFI Francais | 27500 |
| 3.803 | L | RFI Langues | 27500 |
| 3.855 | L | Fox News Latin | 5900 |
| 3.855 | L | SPEED East Imitext | 5900 |
| 3.855 | L | SPEED Latin Americ | 5900 |
| 3.857 | R | SUPER LAND | 6650 |
| 3.857 | R | SUPER SHOW | 6650 |
| 3.857 | R | SUPERIOR | 6650 |
| 3.857 | R | RADIO BANDA B | 6650 |
| 3.857 | R | RADIO METROPOLE S | 6650 |
| 3.859 | L | SCOPUS-NET-TECH | 2600 |
| 3.879 | R | Meridiano TV | 22115 |
| 3.879 | R | Venevision Venezuela | 22115 |
| 3.879 | R | LA TELE | 22115 |
| 3.879 | R | Programacion Globovi | 22115 |
| 3.879 | R | Programacion VTV | 22115 |
| 3.879 | R | PUMA TV | 22115 |
| 3.879 | R | Vision Venezuela V | 22115 |
| 3.879 | R | Circuito Alianza | 22115 |
| 3.879 | R | Circuito CNB FM 10 | 22115 |
| 3.879 | R | Circuito Triple F | 22115 |
| 3.879 | R | RNV Clasico | 22115 |
| 3.879 | R | RNV Informativo | 22115 |
| 3.879 | R | RNV Juvenil | 22115 |
| 3.899 | R | INH La Rinconada | 4195 |
| 3.920 | R | BFBS 1 | 20000 |
| 3.920 | R | BFBS 2 | 20000 |
| 3.920 | R | BFBS 4 | 20000 |
| 3.920 | R | BFBS 5 | 20000 |
| 3.920 | R | BELIZE* | 20000 |
| 3.920 | R | CANADA* | 20000 |
| 3.920 | R | CONTRIBUTION* | 20000 |
| 3.920 | R | R2 WORLD | 20000 |
| 3.920 | R | BFBS UK | 20000 |
| 3.920 | R | FALKLANDS | 20000 |
| 3.920 | R | GURKHA | 20000 |
| ● 3.923 | L | GLOBOSAT 11 ENC2P | 27500 |
| ● 3.923 | L | GLOBOSAT 12 ENC2P | 27500 |
| 3.923 | L | GLOBOSAT 14 ENC2P | 27500 |
| 3.923 | L | GLOBOSAT 17 ENC2P | 27500 |
| ● 3.923 | L | MEGAPIX | 27500 |
| 3.923 | L | PFCI | 27500 |
| 3.923 | L | TVGI EUROPA | 27500 |
| 3.938 | R | BODY CHANNEL | 4785 |
| 3.938 | R | HUMOR CHANNEL | 4785 |
| 3.960 | R | Canaan TV | 3168 |
| 3.965 | R | COSMOVISION | 2540 |
| ● 3.972 | L | Cadeia-1 | 3330 |
| 3.978 | L | TV BRASIL | 3979 |
| 3.980 | R | Ch. 305 - Test | 17800 |
| 3.980 | R | Ch. 306 - Test | 17800 |
| 3.980 | R | Ch. 320 - LA1-2, LA3 | 17800 |
| 3.980 | R | Ch. 321 - LA1-2, LA3 | 17800 |
| 3.980 | R | Ch. 322 - LA1-2, LA3 | 17800 |
| 3.980 | R | Ch. 323 - LA1-2, LA | 17800 |
| 3.980 | R | Ch. 324 - LA5-6, LA7 | 17800 |
| 3.980 | R | Ch. 325 - LA7-8, LA5 | 17800 |
| 3.980 | R | Ch. 328 - LA1 - LA8 | 17800 |
| 3.980 | R | Ch. 330 - LA5-6, LA1 | 17800 |
| 3.980 | R | Ch. 331 - LA5-6, LA1 | 17800 |
| 3.980 | R | Ch. 332 - LA5-6, LA1 | 17800 |
| 3.980 | R | Ch. 333 - LA11-12, L | 17800 |
| 3.980 | R | Ch. 334 - LA11-12, L | 17800 |
| 3.980 | R | Ch. 335 - LA13-14, L | 17800 |
| 3.980 | R | Ch. 338 - LA5-6, LA1 | 17800 |
| 3.980 | R | Ch. 339 - LA9-10 P | 17800 |
| 3.980 | R | Ch. 340 - Dedicated | 17800 |
| 3.980 | R | Ch. 350 - LA25-26, L | 17800 |
| 3.980 | R | Ch. 380 - Alternate | 17800 |
| 3.980 | R | Ch. 8 - OS Downloa | 17800 |
| 3.980 | R | Ch. 9 - OS Downloa | 17800 |
| 3.980 | R | DEFAULT | 17800 |
| 3.980 | R | Ch. 336 - LA21-22, L | 17800 |
| 3.980 | R | Ch. 351 - LA29-30, L | 17800 |
| 3.982 | L | CANAL 26 | 2222 |
| 3.986 | L | INTERNACIONAL | 3180 |
| 3.986 | L | RADIO AM | 3180 |
| 3.991 | L | San Isidro feeds (Sa | 3578 |
| 4.002 | L | TELECAFE | 2450 |
| 4.005 | L | SCOPUS-NET-TECH | 2450 |
| 4.009 | L | TELEANTIOQUIA COL | 2450 |
| 4.016 | R | RCN TV | 5712 |
| 4.021 | L | C. CONGRESO | 16025 |
| 4.021 | L | CANAL 1 | 16025 |
| 4.021 | L | CANAL CAPITAL | 16025 |
| 4.021 | L | CANAL INSTITUCION | 16025 |
| 4.021 | L | CANAL OCASIONAL | 16025 |
| 4.021 | L | SENAL COLOMBIA | 16025 |
| 4.021 | L | TV. ANDINA | 16025 |
| 4.025 | R | 24 Horas | 9640 |
| 4.025 | R | Entretenimiento | 9640 |
| 4.025 | R | TV_Colombia | 9640 |
| 4.043 | L | EbS Europe By Satell | 8681 |
| 4.043 | L | EbS+ | 8681 |
| 4.044 | R | SPORT PLUS | 7441 |
| 4.044 | R | SUN CHANNEL | 7441 |
| 4.054 | L | Casa Club TV | 7234 |
| 4.054 | L | MGM Latin America | 7234 |
| 4.063 | R | Hipodromo Maronas | 8500 |
| 4.063 | R | VTV | 8500 |
| 4.063 | R | Carreras de Chile | 8500 |
| 4.081 | R | Canaan TV | 6511 |
| 4.090 | R | ContacTV APURE | 2515 |
| 4.090 | R | ContacTV CRISTIAN | 2515 |
| 4.093 | R | Canaan TV | 2888 |
| 4.100 | R | default program | 6111 |
| 4.100 | R | Televen Cable | 6111 |
| 4.100 | R | Transmision Internac | 6111 |
| 4.100 | R | {Empty} | 6111 |
| 4.119 | R | Telesur. | 2960 |
| 4.122 | L | CASABLANCA TESTE | 3480 |
| 4.122 | R | CITYTV | 1860 |

| Freq GHz | Pol | Channel Name | Symbol rate |
|---|---|---|---|
| 4.122 | L | JOVEM PAN | 3480 |
| 4.125 | L | Service 2 | 3000 |
| 4.126 | R | AVILA TV | 2531 |
| 4.129 | R | ZUVISION TV | 2000 |
| 4.132 | L | AVIVAMIENTO | 2480 |
| 4.137 | L | RECORD INTERNATIO | 4400 |
| 4.140 | R | CABLE_NOTICIAS | 2220 |
| 4.142 | L | JBN | 2222 |
| 4.143 | R | CCP D/L | 4800 |
| 4.143 | R | DCP D/L | 4800 |
| 4.143 | R | DEFAULT | 4800 |
| 4.143 | R | TV Marti | 4800 |
| 4.146 | L | Tele Amiga | 2571 |
| 4.151 | R | Service 1 | 3280 |
| ● 4.168 | L | UOMO TV | 2400 |
| 4.170 | L | CANAL ADULTO | 2222 |
| 4.170 | L | RADIO | 2222 |
| 4.177 | L | FIZ | 4391 |
| 4.177 | L | IDEAL | 4391 |
| 4.189 | L | ESPN BRASIL | 13021 |
| 4.189 | L | MTV 2 | 13021 |
| 4.189 | L | MTV 3 | 13021 |
| 4.189 | L | MTV BRASIL | 13021 |
| 3.694 | R | Tandberg Service | 2200 |
| ● 3.653 | R | TV ASA BRANCA | 5925 |
| 3.681 | R | K MUSIC | 6666 |
| 3.681 | R | RADIOLA | 6666 |
| 3.681 | R | TV CENTRO | 6666 |
| 3.689 | R | cinema | 5180 |
| 3.689 | R | MI - GENTE | 5180 |
| 3.830 | R | Kamasutra | 6142 |
| 3.830 | R | Rumba TV. | 6142 |
| 3.830 | R | Tele Nostalgia | 6142 |
| 3.830 | R | TV Agro | 6142 |
| 3.830 | R | Life Design TV | 6142 |
| 3.938 | R | HUMOR CHANNEL | 4444 |
| 4.065 | L | FOX Life Brazil | 10650 |
| 4.065 | L | FX Brazil | 10650 |
| 4.065 | L | Nat Geo Music | 10650 |
| 4.065 | L | Sci Fi Latin | 10650 |
| 4.065 | L | Universal Chile | 10650 |
| 4.132 | R | Taurus | 2357 |

**C-Band: NSS 10**
**322.6 East (37.4 West)**

**NSS010CN**

| Freq GHz | Pol | Channel Name | Symbol rate |
|---|---|---|---|
| 3.868 | V | Alter Globe | 6666 |
| 3.868 | V | Mega Cosmos | 6666 |
| 3.868 | V | Sky TG 24 | 6666 |
| 3.868 | V | Radio Greece | 6666 |

**NSS010HA**

| Freq GHz | Pol | Channel Name | Symbol rate |
|---|---|---|---|
| 3.805 | H | GS TELECOM | 2143 |

**INTELSAT 903**
**325.5 East (34.5 West)**

| Freq GHz | Pol | Channel Name | Symbol rate |
|---|---|---|---|
| 11.095 | V | Canal Satellite Cara | 30000 |
| 3.711 | L | Tele Greenland fee | 2915 |
| 3.715 | L | KNR TV | 2915 |
| 3.878 | L | ARTE/ France 5 | 16300 |
| 3.878 | L | Channels TV | 16300 |
| 3.878 | L | NTA2 | 16300 |
| 3.878 | L | Ray Power | 16300 |
| 3.878 | L | Rythm FM | 16300 |
| 3.878 | L | Star FM | 16300 |
| 3.908 | L | RTI INTERNATIONAL | 3040 |

**INT903ZE**

| Freq GHz | Pol | Channel Name | Symbol rate |
|---|---|---|---|
| 3.743 | R | RTI premiere | 3220 |

**INTELSAT 801**
**328.5 East (31.5 West)**

**INT801EH**

| Freq GHz | Pol | Channel Name | Symbol rate |
|---|---|---|---|
| 3.645 | R | ORTM | 5750 |
| 3.645 | R | RADIO MALI | 5750 |
| 3.718 | R | RTS1 | 4881 |

**INT801EU**

| Freq GHz | Pol | Channel Name | Symbol rate |
|---|---|---|---|
| 11.493 | V | CINEMAR | 8000 |
| 11.493 | V | CLUB | 8000 |
| 11.493 | V | FENY | 8000 |
| 11.493 | V | FOCUS | 8000 |
| 11.493 | V | GALAXIA | 8000 |
| 11.493 | V | MULATOS | 8000 |
| 11.504 | V | ONe TV | 1600 |
| 10.982 | H | BET | 30000 |
| 10.982 | H | CNN Latin America | 30000 |
| 10.982 | H | ESPN Latin America | 30000 |
| 10.982 | H | Eurosport News | 30000 |

| Freq GHz | Pol | Channel Name | Symbol rate |
|---|---|---|---|
| 10.982 | H | Fox Sports Latin Ame | 30000 |
| 11.060 | H | Canal + Antilles&Guy | 30000 |
| 11.060 | H | Canal + Bleu | 30000 |
| 11.060 | H | Euqidia | 30000 |
| 11.060 | H | Euronews | 30000 |
| 11.060 | H | Eurosport France | 30000 |
| 11.060 | H | France O | 30000 |
| 11.060 | H | ITV | 30000 |
| 11.060 | H | L'Equipe TV / Moto | 30000 |
| 11.060 | H | LCI - La Chaine In | 30000 |
| 11.060 | H | M6 | 30000 |
| 11.060 | H | RFO Tele Guyane | 30000 |
| 11.060 | H | RFO Tempo | 30000 |
| 11.060 | H | Sport+ | 30000 |
| 11.060 | H | Teva | 30000 |
| 11.060 | H | TF1 | 30000 |
| 11.060 | H | TV 5 FBS | 30000 |
| 11.060 | H | Europe 1 | 30000 |
| 11.060 | H | Hector | 30000 |
| 11.060 | H | Paris Jazz | 30000 |
| 11.060 | H | Radio Caribe Interna | 30000 |
| 11.060 | H | RFM | 30000 |
| 11.060 | H | France Info | 30000 |
| 11.060 | H | RFI | 30000 |
| 11.482 | H | Canal Satellite | 30000 |
| 11.618 | H | 13'eme Rue | 30000 |
| 11.618 | H | Action | 30000 |
| 11.618 | H | Canal J | 30000 |
| 11.618 | H | Cinecinemas 1 | 30000 |
| 11.618 | H | Cinecinemas 2 | 30000 |
| 11.618 | H | Comedie | 30000 |
| 11.618 | H | Fox Kids France | 30000 |
| 11.618 | H | MCM Europe | 30000 |
| 11.618 | H | Planete | 30000 |
| 11.618 | H | RFM TV | 30000 |
| 11.618 | H | RTL 9 | 30000 |
| 11.618 | H | TCM France | 30000 |
| 11.618 | H | TF 1 | 30000 |
| 11.618 | H | TF 6 | 30000 |
| 11.618 | H | The Disney Channel | 30000 |
| 11.618 | H | TV Breizh | 30000 |
| 11.618 | H | Voyage | 30000 |
| 11.618 | H | XXL | 30000 |

**Europe**
**HISPASAT 1C, 1D**
**330.0 East (30.0 West)**

**HIS01CKS**

| Freq GHz | Pol | Channel Name | Symbol rate |
|---|---|---|---|
| 11.731 | H | CANAL 4 | 28126 |
| 11.731 | H | Disney Channel | 28126 |
| 11.731 | H | Disney Cinemagic | 28126 |
| 11.731 | H | Fox | 28126 |
| 11.731 | H | FOX CRIME | 28126 |
| 11.731 | H | Fox Life | 28126 |
| 11.731 | H | FX PORTUGAL | 28126 |
| 11.731 | H | LOCALIA | 28126 |
| 11.731 | H | XARXA TVL | 28126 |
| 11.731 | H | CNC | 28126 |
| 11.731 | H | Asturias FM | 28126 |
| 11.731 | H | BCN 7 BROADCAST | 28126 |
| 11.731 | H | BCN 8 BROADCAST | 28126 |
| 11.731 | H | INTERECONOMIA MUS | 28126 |
| 11.731 | H | LOCA FM | 28126 |
| 11.731 | H | PUNTO RADIO | 28126 |
| 11.731 | H | Radio CLM | 28126 |
| 11.731 | H | ROCK-GOL | 28126 |
| 11.771 | H | BBC Prime | 27500 |
| 11.771 | V | BLOOMBERG | 27500 |
| 11.771 | H | Canal de História | 27500 |
| 11.771 | H | E! Entertainment | 27500 |
| 11.771 | H | Infinito | 27500 |
| 11.771 | H | MCM TOP | 27500 |
| 11.771 | H | Mezzo | 27500 |
| 11.771 | H | PFC | 27500 |
| 11.771 | H | RTP Madeira | 27500 |
| 11.771 | H | SKY News | 27500 |
| 11.771 | H | The Biography Channe | 27500 |
| 11.771 | H | TV Globo Portugal | 27500 |
| 11.771 | H | VH1 Classic | 27500 |
| 11.771 | H | Vídeo-on-Demand | 27500 |
| 11.771 | H | XXL | 27500 |
| 11.771 | H | Canal Programação | 27500 |
| 11.811 | H | Acolhimento | 27500 |
| 11.811 | V | C.ESTRELLAS | 27500 |
| 11.811 | H | Canal Panda | 27500 |
| 11.811 | V | CNN+ | 27500 |
| 11.811 | H | DSMCC - IPPV | 27500 |
| 11.811 | H | DSMCC - RADIOS | 27500 |
| 11.811 | V | PRO TV INT | 27500 |
| ● 11.811 | V | RMTV | 27500 |
| 11.811 | H | RTP 1 | 27500 |
| 11.811 | H | RTP 2 | 27500 |
| 11.811 | H | SIC | 27500 |
| 11.811 | H | SIC Notícias | 27500 |
| 11.811 | H | SIC Radical | 27500 |
| 11.811 | V | TCM CLÁSICO | 27500 |
| 11.811 | H | TVI | 27500 |
| 11.811 | V | ANDALUCÍA TV | 27500 |
| 11.811 | V | CANAL CLUB | 27500 |
| 11.811 | V | EUSKADI TV | 27500 |
| 11.811 | V | MÚSICA DIG. | 27500 |
| 11.811 | H | Sport TV 3 | 27500 |
| 11.811 | V | TMSAT/LAOTRA | 27500 |
| 11.811 | V | TV GALICIA | 27500 |
| 11.811 | V | TVC INT. | 27500 |
| 11.811 | H | Venus | 27500 |
| 11.811 | H | Vídeo-on-Demand | 27500 |
| 11.811 | H | XXL | 27500 |
| 11.811 | V | Canciones de siempre | 27500 |
| 11.811 | V | Clasica | 27500 |
| 11.811 | V | Copla | 27500 |
| 11.811 | V | Fiestas | 27500 |
| 11.811 | V | Jazz | 27500 |
| 11.811 | V | Novedades | 27500 |
| 11.811 | V | Opera | 27500 |
| 11.811 | V | Pop rock espa | 27500 |
| 11.811 | V | Pop rock inter | 27500 |
| 11.811 | V | RAD. ROMANIA | 27500 |
| 11.851 | V | 40 TV | 27500 |
| 11.851 | V | CANAL+ | 27500 |
| 11.851 | V | CANAL+ 2 | 27500 |
| 11.851 | H | CNN | 27500 |
| 11.851 | V | DISCOVERY | 27500 |
| 11.851 | H | Discovery Channel | 27500 |
| 11.851 | V | DISNEY CH. | 27500 |
| 11.851 | V | DOCU TVE | 27500 |
| 11.851 | H | Eurosport | 27500 |
| 11.851 | H | Hollywood | 27500 |
| 11.851 | V | MEZZO | 27500 |
| 11.851 | H | MTV Portugal | 27500 |
| 11.851 | H | Nickelodeon | 27500 |
| 11.851 | H | Odisseia | 27500 |
| ● 11.851 | V | PARAMOUNT C | 27500 |
| 11.851 | H | Playboy TV | 27500 |
| 11.851 | H | Sport TV 1 | 27500 |
| 11.851 | V | SPORTMANÍA | 27500 |
| ● 11.851 | V | TCM MODERNO | 27500 |
| 11.851 | V | TELEDEPORTE | 27500 |
| 11.851 | H | TVCine 1 | 27500 |
| 11.851 | H | TVCine 2 | 27500 |
| 11.851 | H | TVCine 3 | 27500 |
| 11.851 | H | Fashion TV | 27500 |
| 11.851 | H | Futebol MC 1 | 27500 |
| 11.851 | H | Futebol MC 2 | 27500 |
| 11.851 | H | Futebol MC 3 | 27500 |
| 11.851 | H | Futebol MC 4 | 27500 |
| 11.851 | H | M6 | 27500 |
| 11.851 | H | Sport TV 2 | 27500 |
| 11.891 | H | Arte | 27500 |

| Freq GHz | Pol | Channel Name | Symbol rate |
|---|---|---|---|
| 11.891 | V | C+ ACCIÓN | 30000 |
| 11.891 | V | C+ COMEDIA | 30000 |
| 11.891 | V | C+ DCINE | 30000 |
| 11.891 | V | CARTOON N +1 | 30000 |
| 11.891 | V | DISNEY CH.+1 | 30000 |
| 11.891 | H | Eurosport News | 27500 |
| 11.891 | H | Fashion TV | 27500 |
| 11.891 | V | JETIX | 30000 |
| 11.891 | H | Millennium TV | 27500 |
| 11.891 | H | MOV | 27500 |
| 11.891 | V | MTV | 30000 |
| 11.891 | V | NICK +1 | 30000 |
| 11.891 | V | PLAYHOUSE | 30000 |
| 11.891 | H | RAI Uno | 27500 |
| 11.891 | H | RTL | 27500 |
| 11.891 | H | RTP Memória | 27500 |
| 11.891 | H | RTP N | 27500 |
| 11.891 | V | SONY TV | 30000 |
| 11.891 | H | TV Galicia | 27500 |
| 11.891 | H | TV5 Monde | 27500 |
| 11.891 | H | TVCine 4 | 27500 |
| 11.891 | H | TVE Internacional | 27500 |
| 11.891 | H | Canal Programação | 27500 |
| 11.891 | H | CNBC | 27500 |
| 11.891 | H | RTP Madeira | 27500 |
| 11.891 | V | APPALCO | 30000 |
| 11.891 | V | Guia digital+ | 30000 |
| 11.891 | V | Promociones | 30000 |
| 11.931 | V | BARÇA TV | 27500 |
| 11.931 | V | C+ EVENTOS | 27500 |
| 11.931 | H | CANAL CLASICO | 27500 |
| 11.931 | H | Clan/50 | 27500 |
| 11.931 | H | GRANDES DOCUMENTA | 27500 |
| 11.931 | H | LDTV | 27500 |
| ● 11.931 | V | LIGA 08/09 | 27500 |
| 11.931 | V | TAQUILLA 5 | 27500 |
| 11.931 | V | TAQUILLA 6 | 27500 |
| 11.931 | V | TAQUILLA 7 | 27500 |
| 11.931 | V | TAQUILLA 8 | 27500 |
| 11.931 | V | TAQUILLAX | 27500 |
| 11.931 | V | TAQUILLAXX | 27500 |
| 11.931 | H | TELEDEPORT | 27500 |
| ● 11.931 | V | EHS | 27500 |
| 11.931 | H | FEEDS TSA | 27500 |
| 11.931 | H | MAS TV | 27500 |
| 11.931 | H | MAX LOCAL | 27500 |
| ● 11.931 | H | OCASIONAL | 27500 |
| 11.931 | H | RTPA Internacional | 27500 |
| 11.931 | H | SENADO | 27500 |
| ● 11.931 | V | TAQUILLA | 27500 |
| 11.931 | H | TELETREBOL | 27500 |
| ● 11.931 | V | {Empty} | 27500 |
| 11.931 | H | ST-HILO 1 | 27500 |
| 11.931 | H | ST-HILO 2 | 27500 |
| 11.931 | H | ST-HILO 3 | 27500 |
| 11.931 | H | COVIRAN | 27500 |
| 11.931 | H | EMUGA RADIOFUSION | 27500 |
| 11.931 | H | INTERECONOMIA | 27500 |
| 11.931 | H | RADIO MARIA | 27500 |
| 11.972 | V | God TV | 27500 |
| 11.972 | V | Balearic Channel | 27500 |
| 11.972 | V | Destino Galicia | 27500 |
| 11.972 | V | IB Sat | 27500 |
| 11.972 | V | Local Media | 27500 |
| 11.972 | V | Popular TV | 27500 |
| 11.972 | V | Red AD Venir | 27500 |
| 11.972 | V | Telesur | 27500 |
| 11.972 | V | TV Aragon | 27500 |
| 11.972 | V | TV Record | 27500 |
| 11.972 | V | TVE Internacional | 27500 |
| 11.972 | V | Cadena 100 | 27500 |
| 11.972 | V | Loca FM | 27500 |
| 11.972 | V | Radio Aragon | 27500 |
| 11.972 | V | Radio IB 3 | 27500 |
| 12.012 | V | AXN | 27500 |
| 12.012 | V | Cartoon / TCM | 27500 |
| 12.012 | V | National Geographic | 27500 |
| 12.012 | V | People + Arts | 27500 |
| 12.012 | V | SIC Mulher | 27500 |
| 12.012 | V | Sport TV 2 | 27500 |
| 12.012 | V | TV Record | 27500 |
| 12.012 | V | Venus | 27500 |
| 12.012 | V | BBC World News | 27500 |
| 12.012 | V | EuroNews | 27500 |
| 12.012 | V | Extreme Sports Chann | 27500 |
| 12.012 | V | France 24 | 27500 |
| 12.012 | V | RTP África | 27500 |
| 12.012 | V | VH1 | 27500 |
| 12.052 | H | BLOOMBERG | 30000 |
| 12.052 | H | CARTOON | 30000 |
| 12.052 | H | CNBC EUROPE | 30000 |
| 12.052 | H | DISCOVERY CHANNEL | 30000 |
| 12.052 | H | DISNEY CHANNEL | 30000 |
| 12.052 | H | EUROCHANNEL | 30000 |
| 12.052 | H | EUROSPORT HD | 30000 |
| 12.052 | H | EUROSPORT2 | 30000 |
| 12.052 | H | FUEL TV | 30000 |
| 12.052 | H | MCM POP | 30000 |
| 12.052 | H | MEZZO | 30000 |
| 12.052 | H | MGM | 30000 |
| 12.052 | H | NASN | 30000 |
| 12.052 | H | ODISSEIA | 30000 |
| 12.052 | H | PLAYBOY TV | 30000 |
| 12.052 | H | SIC | 30000 |
| 12.052 | H | SIC MULHER | 30000 |
| 12.052 | H | SIC NOTÍCIAS | 30000 |
| 12.052 | H | SIC RADICAL | 30000 |
| 12.052 | H | SONY ENTERTAINMEN | 30000 |
| 12.052 | H | SPORT TV 2 | 30000 |
| 12.052 | H | SPORT TV 3 | 30000 |
| 12.052 | H | TVCINE 3 | 30000 |
| 12.052 | H | ZONE REALITY | 30000 |
| 12.092 | V | AXN | 27500 |
| ● 12.092 | V | AL JAZZERA INTL | 27500 |
| ● 12.092 | V | Balearic Channel | 27500 |
| 12.092 | V | C. Parlamentario | 27500 |
| 12.092 | V | CANAL 50 | 27500 |
| ● 12.092 | V | COMUNICALIA | 27500 |
| 12.092 | V | CUBAVISION | 27500 |
| ● 12.092 | V | TBN ENLACE | 27500 |
| 12.092 | V | TV5MONDE EUROPE | 27500 |
| ● 12.092 | V | Antena 1 | 27500 |
| 12.092 | V | EMA RADIO | 27500 |
| 12.092 | V | HIT BILBAO | 27500 |
| 12.092 | V | Radio Marca | 27500 |
| 12.092 | V | RADIO NERVION | 27500 |
| 12.092 | V | RADIO SPECTRUM | 27500 |

**HIS01DKE**

| Freq GHz | Pol | Channel Name | Symbol rate |
|---|---|---|---|
| 11.535 | V | BIOGRAPHY | 24500 |
| 11.535 | V | COCINA | 24500 |
| 11.535 | V | decasa | 24500 |
| 11.535 | V | HISTORIA | 24500 |
| 11.535 | V | HOLLYWOOD ESP | 24500 |
| 11.535 | V | HOLLYWOOD POR | 24500 |
| 11.535 | V | ODI.HIS.CUE | 24500 |
| 11.535 | V | ODISEA | 24500 |
| 11.535 | V | PANDA | 24500 |
| 11.535 | V | SOL | 24500 |
| 11.535 | V | TEST | 24500 |
| 11.577 | V | AlJazeera | 27500 |
| 11.577 | V | AR TV / Gigashopping | 27500 |
| 11.577 | V | Caça e Pesca | 27500 |
| 11.577 | V | Discovery Civilizati | 27500 |
| 11.577 | V | Discovery Science | 27500 |
| 11.577 | V | Discovery Turbo | 27500 |
| 11.577 | V | M6 | 27500 |
| 11.577 | V | MTV Dance | 27500 |
| 11.577 | V | MTV Music | 27500 |
| 11.577 | V | MTV TWO | 27500 |

| Freq GHz | Pol | Channel Name | Symbol rate |
|---|---|---|---|
| 11.577 | V | Porto Canal | 27500 |
| 11.577 | V | Nickelodeon | 27500 |
| 11.577 | V | TCM | 27500 |
| 11.577 | V | Antena 1 | 27500 |
| 11.577 | V | Antena 2 | 27500 |
| 11.577 | V | Antena 3 | 27500 |
| 11.577 | V | Best Rock FM | 27500 |
| 11.577 | V | Cidade FM | 27500 |
| 11.577 | V | Marginal | 27500 |
| 11.577 | V | Oxigénio | 27500 |
| 11.577 | V | Radar | 27500 |
| 11.577 | V | RDP África | 27500 |
| 11.577 | V | Rádio Capital | 27500 |
| 11.577 | V | Rádio Clube | 27500 |
| 11.577 | V | Rádio Comercial | 27500 |
| 11.577 | V | Rádio Europa Lisboa | 27500 |
| ● 11.577 | V | Rádio Lusitania | 27500 |
| 11.615 | H | RETELSAT | 27500 |
| 11.615 | H | VNEWS | 27500 |
| 11.615 | H | ATLAS NEWS | 27500 |
| 11.615 | H | CANAL 53 | 27500 |
| 11.615 | H | La Tele Local | 27500 |
| 11.615 | H | Tele Local 2 | 27500 |
| ● 11.615 | H | Telelinea | 27500 |
| 11.615 | H | TSFonSAT | 27500 |
| 11.615 | H | Tu Tele Local | 27500 |
| 11.615 | H | VIT TV | 27500 |
| ● 11.615 | H | Exito Radio | 27500 |
| 11.617 | V | Baby TV | 27500 |
| 11.617 | V | Bloomberg | 27500 |
| 11.617 | V | ESPN Classic | 27500 |
| 11.617 | V | Futebol MC 1 | 27500 |
| 11.617 | V | Futebol MC 2 | 27500 |
| 11.617 | V | Futebol MC 3 | 27500 |
| 11.617 | V | Futebol MC 4 | 27500 |
| 11.617 | V | RTP Açores | 27500 |
| 11.617 | V | Sailing Channel | 27500 |
| 11.617 | V | Sport TV 3 | 27500 |
| 11.617 | V | Travel Channel | 27500 |
| 11.617 | V | Zone Reality | 27500 |
| 11.617 | V | Funtastic Life Exper | 27500 |
| 11.676 | H | A3 AVERIA CANARIA | 16190 |
| 11.676 | H | A3 CANARIAS | 16190 |
| 11.676 | H | Pruebas1 | 16190 |
| 11.676 | H | TVAC | 16190 |
| 11.676 | H | TVAC INS-REG HIER | 16190 |
| 11.676 | H | TVAC RESET DAMA | 16190 |
| 11.676 | H | TVE1-CANARIAS | 16190 |
| 11.676 | H | TVE2-CANARIAS | 16190 |
| 11.676 | H | 7.7 RADIO | 16190 |
| 11.676 | H | CAN.RAD | 16190 |
| 11.676 | H | RADIO ECCA | 16190 |
| 11.682 | V | Mana Sat 2 | 3800 |
| 11.682 | V | Mana Sat 1 | 3800 |
| 12.012 | H | ANIMAX | 30000 |
| 12.012 | H | BABY TV | 30000 |
| 12.012 | H | BBC WORLD | 30000 |
| 12.012 | H | C-MUSIC | 30000 |
| 12.012 | H | CANAL DE HISTÓRIA | 30000 |
| 12.012 | H | E! ENTERTAINMENT | 30000 |
| 12.012 | H | EUROSPORT | 30000 |
| 12.012 | H | EUROSPORTNEWS | 30000 |
| 12.012 | H | HOLLYWOOD | 30000 |
| 12.012 | H | NAT GEO MUSIC | 30000 |
| 12.012 | H | NAT GEO WILD | 30000 |
| 12.012 | H | NATIONAL GEOGRAPH | 30000 |
| 12.012 | H | PRIVATE SPICE | 30000 |
| 12.012 | H | PRIVATE WEEKEND | 30000 |
| 12.012 | H | RTP 1 | 30000 |
| 12.012 | H | RTP 2 | 30000 |
| 12.012 | H | RTP AÇORES | 30000 |
| 12.012 | H | RTP MADEIRA | 30000 |
| 12.012 | H | RTP MEMÓRIA | 30000 |
| 12.012 | H | RTP N | 30000 |
| 12.012 | H | RTP ÁFRICA | 30000 |
| 12.012 | H | STYLE NETWORK | 30000 |
| 12.012 | H | TCM | 30000 |
| 12.012 | H | TVCINE 2 | 30000 |
| 12.092 | H | BBC PRIME | 30000 |
| ● 12.092 | H | BENFICA TV | 30000 |
| 12.092 | H | CNN | 30000 |
| 12.092 | H | ESPN CLASSIC | 30000 |
| 12.092 | H | FASHION TV | 30000 |
| 12.092 | H | FOX NEWS | 30000 |
| 12.092 | H | FOX NEXT | 30000 |
| 12.092 | H | MOTORS TV | 30000 |
| 12.092 | H | MTV PORTUGAL | 30000 |
| 12.092 | H | NATIONAL GEOGRAPH | 30000 |
| 12.092 | H | PANDA | 30000 |
| 12.092 | H | PEOPLE + ARTS | 30000 |
| 12.092 | H | SKY NEWS | 30000 |
| 12.092 | H | SPORT TV 1 | 30000 |
| 12.092 | H | THE BIOGRAPHY CHA | 30000 |
| 12.092 | H | TIJI | 30000 |
| 12.092 | H | TRACE TV | 30000 |
| 12.092 | H | TRAVEL CHANNEL | 30000 |
| ● 12.092 | H | TV GLOBO PORTUGAL | 30000 |
| 12.092 | H | TVCINE 1 | 30000 |
| 12.092 | H | TVCINE 4 | 30000 |
| 12.092 | H | TVI | 30000 |
| 12.092 | H | VH1 | 30000 |
| ● 12.092 | H | FRANCE 24 | 30000 |
| ● 12.149 | V | BABYFIRST | 27500 |
| ● 12.149 | V | BLOOMBERG | 27500 |
| ● 12.149 | V | CANAL ODISEA | 27500 |
| ● 12.149 | V | CAZA Y PESCA | 27500 |
| ● 12.149 | V | COSMOPOLITAN | 27500 |
| ● 12.149 | V | HISTORIA | 27500 |
| ● 12.149 | V | LA 2 | 27500 |
| ● 12.149 | V | MÉTEO | 27500 |
| ● 12.149 | V | PEOPLE+ARTS | 27500 |
| ● 12.149 | V | TEST TC | 27500 |
| ● 12.149 | V | VIAJAR | 27500 |
| 12.149 | V | {Empty} | 27500 |
| 12.226 | V | AXN | 27500 |
| 12.226 | V | C+ ACCIÓN 30 | 27500 |
| 12.226 | V | C+COMEDIA 30 | 27500 |
| 12.226 | V | CANAL COCINA | 27500 |
| 12.226 | V | CARACOL TV | 27500 |
| 12.226 | V | DCINEESPAÑOL | 27500 |
| 12.226 | V | ECUAVISA INT | 27500 |
| 12.226 | V | FOX | 27500 |
| 12.226 | V | SCI FI | 27500 |
| 12.226 | V | TVE 1 | 27500 |
| ● 12.226 | V | R. LATINAS | 27500 |
| ● 12.226 | V | RADIOS | 27500 |
| 12.226 | V | TVV INT. | 27500 |
| ● 12.226 | V | R. Latinas | 27500 |
| ● 12.226 | V | R. Informativas | 27500 |
| ● 12.226 | V | R. Musicales | 27500 |
| 12.303 | V | ANIMAX | 27500 |
| 12.303 | V | BOOMERANG | 27500 |
| 12.303 | V | CARTOON NET. | 27500 |
| ● 12.303 | V | LA 2 | 27500 |
| 12.303 | V | NICK | 27500 |
| 12.303 | V | TAQUILLA 1 | 27500 |
| 12.303 | V | TAQUILLA 2 | 27500 |
| 12.303 | V | TAQUILLA 3 | 27500 |
| 12.303 | V | TAQUILLA 4 | 27500 |
| 12.303 | V | TAQUILLAXY | 27500 |
| ● 12.303 | V | TELEFE INT | 27500 |
| 12.379 | V | 40 LATINO | 27500 |
| 12.379 | V | BABYFIRST | 27500 |
| 12.379 | V | C+ DEPORTES | 27500 |
| 12.379 | V | C+ FÚTBOL | 27500 |
| ● 12.379 | V | CALLE 13 | 27500 |
| 12.379 | V | CANAL+...30 | 27500 |
| 12.379 | V | FOX NEWS | 27500 |
| 12.379 | V | GOLF+ | 27500 |
| 12.379 | V | NAT GEOGRAPH | 27500 |
| 12.379 | V | PLAYBOY TV | 27500 |
| ● 12.379 | V | PORTADA | 27500 |
| 12.379 | V | CompraSMS | 27500 |
| 12.456 | V | 24 HORAS | 30000 |
| 12.456 | V | CLAN TVE | 30000 |
| 12.456 | V | CLÁSICO | 30000 |
| 12.456 | V | CUATRO | 30000 |
| 12.456 | V | EUROSPORT | 30000 |
| ● 12.456 | V | G. HERMANO | 30000 |
| 12.456 | V | HISTORIA | 30000 |
| ● 12.456 | V | HOGARUTIL | 30000 |
| 12.456 | V | HOLLYWOOD | 30000 |
| 12.456 | V | TELENOVELAS | 30000 |
| 12.456 | V | TNT | 30000 |
| 12.456 | V | ABONO F+ | 30000 |

| Freq GHz | Pol | Channel Name | Symbol rate |
|---|---|---|---|
| 12.456 | V | Amigos+ | 30000 |
| 12.456 | V | Contactanos | 30000 |
| 12.456 | V | GUÍADIGITAL+ | 30000 |
| 12.456 | V | Paquetes | 30000 |
| 12.456 | V | Recibo | 30000 |
| 12.456 | V | Tu mando | 30000 |
| 12.456 | V | TV CANARIA | 30000 |
| 12.456 | V | {Empty} | 30000 |
| 12.456 | V | Contrato | 30000 |
| 12.522 | V | GOL TV | 7400 |
| 12.522 | V | LA SEXTA | 7400 |
| 12.522 | V | COM Radio | 7400 |
| 12.547 | V | 65_TEST | 30000 |
| 12.547 | V | A3 EMERG CANARIAS | 30000 |
| 12.547 | V | ANTENA 3 | 30000 |
| 12.547 | V | Backup_Algeciras | 30000 |
| 12.547 | V | CUATRO | 30000 |
| 12.547 | V | SEXTA CANARIAS | 30000 |
| 12.547 | V | TELE 5 | 30000 |
| 12.547 | V | TELE 5 CANARIAS | 30000 |
| 12.547 | V | TVE 1 | 30000 |
| 12.547 | V | TVE 2 | 30000 |
| 12.547 | V | 65_OCS-3 | 30000 |
| 12.547 | V | REG CUATRO | 30000 |
| 12.547 | V | Test download | 30000 |
| 12.547 | V | EFE RADIO | 30000 |
| 12.547 | V | EXTREMADURA FM | 30000 |
| 11.731 | V | MOV HD | 29000 |
| 11.731 | V | National Geographic | 29000 |
| 11.731 | V | Sport TV 1 HD | 27500 |
| 11.731 | V | Teste TVCabo 1 | 29000 |
| ● 11.731 | V | TVCine 4 HD | 27500 |
| 11.731 | V | Channel - 4 | 29000 |
| 11.731 | V | RTP HD | 27500 |
| 11.731 | V | Teste TVCabo 2 | 27500 |
| 11.731 | V | Teste TVCabo 3 | 27500 |
| 11.731 | V | Teste TVCabo 4 | 27500 |
| ● 12.631 | H | Test 2 | 30000 |
| ● 12.631 | H | Test 3 | 30000 |

**South America**
**HISPASAT 1C, 1D**
**330.1 East (29.9 West)**

**HIS01CKA**

| Freq GHz | Pol | Channel Name | Symbol rate |
|---|---|---|---|
| 11.930 | V | SCOPUS-NET-TECH | 2220 |
| 11.936 | V | CANAL UNIVERSITAR | 5185 |
| ● 11.936 | V | TELECARIBE COLOMB | 5185 |
| ● 12.052 | V | {Empty Name} | 27500 |
| ● 12.132 | H | Abu Dhabi TV | 27500 |
| ● 12.132 | H | Al-Iraqiya | 27500 |
| ● 12.132 | H | Jamahirya TV | 27500 |
| ● 12.132 | H | Oman TV | 27500 |
| ● 12.132 | H | Qatar TV | 27500 |
| ● 12.132 | H | Saudi TV | 27500 |
| ● 12.132 | H | Sharjah tv | 27500 |
| ● 12.132 | H | Sudan TV | 27500 |
| ● 12.132 | H | Syrian TV | 27500 |
| ● 12.132 | H | Yemen TV | 27500 |
| ● 12.132 | H | Aden Radio | 27500 |
| ● 12.132 | H | Emirates FM | 27500 |
| ● 12.132 | H | Main General Program | 27500 |
| ● 12.132 | H | Oman Radio | 27500 |
| ● 12.132 | H | Oman-Holy Quran | 27500 |
| ● 12.132 | H | Program One | 27500 |
| ● 12.132 | H | Quatar radio | 27500 |
| ● 12.132 | H | Radio Omduman Holy K | 27500 |
| ● 12.132 | H | Radio Quran | 27500 |
| ● 12.132 | H | Republic Of Iraq Rad | 27500 |
| ● 12.132 | H | Sana'a radio | 27500 |
| ● 12.132 | H | Sharja FM | 27500 |
| ● 12.132 | H | Sudan Radio | 27500 |
| ● 12.132 | H | Voice Of People | 27500 |
| ● 12.132 | H | Voice of Youth | 27500 |
| 12.156 | V | CANAL 6 | 2222 |
| ● 12.172 | H | 2M Moroc TV | 27500 |
| ● 12.172 | H | C CANARIAS TV | 27500 |
| ● 12.172 | H | KUWAIT CH2 | 27500 |
| ● 12.172 | H | Kuwait TV | 27500 |
| ● 12.172 | H | MUSLIM TV | 27500 |
| ● 12.172 | H | PRESS TV | 27500 |
| ● 12.172 | H | TV Marti | 27500 |
| ● 12.172 | H | YOUTH SPORT | 27500 |
| ● 12.172 | H | 2M Moroc Radio | 27500 |
| ● 12.172 | H | Kuwait R1 | 27500 |
| ● 12.172 | H | Kuwait R2 | 27500 |
| ● 12.172 | H | RFI English | 27500 |
| ● 12.172 | H | RFI Hispano | 27500 |
| ● 12.172 | H | RFI Hispasat1 | 27500 |
| ● 12.172 | H | RFI Hispasat2 | 27500 |
| ● 12.172 | H | RFI Luso | 27500 |
| ● 12.172 | H | RFI Newzik | 27500 |
| ● 12.172 | H | RFI Sky Hispano | 27500 |
| 12.181 | V | ENCUENTRO | 3340 |

**HIS01DKA**

| Freq GHz | Pol | Channel Name | Symbol rate |
|---|---|---|---|
| 11.780 | V | RDP-RTP | 2387 |
| 11.820 | V | CADENA-A | 2387 |
| 11.884 | V | Canal Habana | 27500 |
| 11.884 | V | Multivision | 27500 |
| 11.884 | V | ACN | 27500 |
| 11.884 | V | Cubavision | 27500 |
| 11.884 | V | Cubavision Internaci | 27500 |
| 11.884 | V | Educativo | 27500 |
| 11.884 | V | Educativo 2 | 27500 |
| 11.884 | V | SCOPUS-NET-TECH | 2220 |
| 11.884 | V | Tele Rebelde | 27500 |
| 11.884 | V | CMBF | 27500 |
| 11.884 | V | Habana Radio | 27500 |
| 11.884 | V | Radio Enciclopedia | 27500 |
| 11.884 | V | Radio Habana Cuba | 27500 |
| 11.884 | V | Radio Progreso | 27500 |
| 11.884 | V | Radio Rebelde | 27500 |
| 11.884 | V | Radio Reloj | 27500 |
| 11.884 | V | Radio Taino | 27500 |
| ● 11.910 | V | Canal 12 | 5000 |
| ● 11.910 | V | Canal 4 | 5000 |
| ● 11.910 | V | Canal 5 | 5000 |
| ● 11.910 | V | Rut | 5000 |
| ● 11.910 | V | TVCiudad | 5000 |
| ● 11.910 | V | CX20 | 5000 |
| ● 11.910 | V | Radio_Cero | 5000 |
| ● 11.910 | V | Zoe | 5000 |
| ● 11.937 | V | CANAL UNIVERSITAR | 7500 |
| ● 11.937 | V | CANALINTERNACIONA | 7500 |
| ● 11.937 | V | TELECARIBE COLOMB | 7500 |
| ● 12.141 | V | Canal 8 MDP | 3255 |
| ● 12.145 | V | Canal7 | 4200 |
| ● 12.145 | V | ORDEN7 | 4200 |
| ● 12.145 | V | PANORA | 4200 |
| ● 12.146 | V | Canal7 | 4200 |
| ● 12.146 | V | ORDEN7 | 4200 |
| ● 12.146 | V | PANORA | 4200 |
| ● 12.163 | V | C11 - SALTA | 3030 |
| ● 12.168 | V | SOLO TANGO | 5240 |

| Freq GHz | Pol | Channel Name | Symbol rate |
|---|---|---|---|
| ● 12.168 | V | SUPREME MASTER TV | 5240 |
| ● 12.168 | V | | 5240 |
| ● 12.168 | V | LV3 | 5240 |
| ● 12.168 | V | RADIO 3 PATAGONIC | 5240 |
| ● 12.168 | V | RADIO COPERATIVA | 5240 |
| ● 12.168 | V | SIGLO XXI | 5240 |
| ● 12.173 | V | CANAL 21 | 2225 |

**INTELSAT 907**
**332.5 East (27.5 West)**

**INT907EH**

| Freq GHz | Pol | Channel Name | Symbol rate |
|---|---|---|---|
| 3.715 | R | Ch. 50 - AF 1-2, AF | 8448 |
| 3.715 | R | Ch. 51 - AF 1-2, AF | 8448 |
| 3.715 | R | Ch. 52 - AF 1-2, AF | 8448 |
| 3.715 | R | Ch. 53 - AF 3-4, AF | 8448 |
| 3.715 | R | Ch. 58 - AF 1-8 | 8448 |
| 3.715 | R | Ch. 60 - AF 1-2, AF | 8448 |
| 3.715 | R | Ch. 61 - AF 1-2, AF | 8448 |
| 3.715 | R | Ch. 62 - AF 1-2, AF | 8448 |
| 3.715 | R | Ch. 63 - AF 5-6, AF | 8448 |
| 3.715 | R | Ch. 64 - AF 3-4, AF | 8448 |
| 3.715 | R | Ch. 65 - AF 3-4, AF | 8448 |
| 3.715 | R | Ch. 66 - AF 5-6, AF | 8448 |
| 3.715 | R | Ch. 67 - AF 9-10, AF | 8448 |
| 3.715 | R | Ch. 68 - AF 13-14, A | 8448 |
| 3.715 | R | Ch. 8 - OS Downloa | 8448 |
| 3.715 | R | Ch. 9 - OS Downloa | 8448 |
| 3.715 | R | Channel 1 | 8448 |
| 3.762 | R | Alhurra | 30491 |
| 3.762 | R | Feeds | 30491 |
| 3.762 | R | WorldNet | 30491 |
| 3.762 | R | Radio Farda | 30491 |
| 3.762 | R | RFE/Radio Liberty | 30491 |
| 3.762 | R | VoA News Now | 30491 |
| 3.762 | R | Voice of America | 30491 |
| 3.849 | R | RTP Mux | 10850 |
| 3.898 | R | NTA | 2892 |
| 3.936 | R | | 4550 |
| 4.050 | R | Service 1 | 7000 |

**INT907KE**

| Freq GHz | Pol | Channel Name | Symbol rate |
|---|---|---|---|
| 11.516 | V | INTELSAT _ | 5632 |
| 11.665 | V | Region 2A Ch5 | 13020 |
| 11.665 | V | Region 3A Ch5 | 13020 |
| 11.665 | V | Region 4A Ch5 | 13020 |
| 11.665 | V | Region 5A Ch5 | 13020 |

**INT907WH**

| Freq GHz | Pol | Channel Name | Symbol rate |
|---|---|---|---|
| 3.732 | R | FREE-X TV | 14000 |
| 3.732 | R | Fashion TV | 14000 |
| 3.732 | R | Kurdsat | 14000 |
| 3.732 | R | RR Sat promo | 14000 |
| 3.732 | R | TGN | 14000 |
| 3.732 | R | The God Channel | 14000 |
| 3.732 | R | VTV 4 | 14000 |
| 3.732 | R | TGN Radio | 14000 |
| 3.732 | R | TRT FM | 14000 |

**INTELSAT 905**
**335.5 East (24.5 West)**

**INT905CG**

| Freq GHz | Pol | Channel Name | Symbol rate |
|---|---|---|---|
| 4.193 | R | R-T-B | 5180 |
| 11.521 | V | TELEIPPICA | 3333 |
| 11.674 | V | Aaj Tak | 27500 |
| 11.674 | V | GEO | 27500 |
| 11.674 | V | GEO News | 27500 |
| 11.674 | V | NDTV 24x7 | 27500 |
| 11.674 | V | Punjabi Just TV | 27500 |
| 11.674 | V | Sahara Filmy | 27500 |
| 11.674 | V | Sahara One | 27500 |
| 11.674 | V | SET Europe | 27500 |
| 11.674 | V | SET Max UK | 27500 |
| 11.674 | V | Star Gold | 27500 |
| 11.674 | V | Star One | 27500 |
| 11.674 | V | Star Plus | 27500 |
| 11.674 | V | NTA | 27500 |
| 11.674 | V | PTV Global | 27500 |

**INT905WH**

| Freq GHz | Pol | Channel Name | Symbol rate |
|---|---|---|---|
| 3.729 | R | Al Arabiya | 13333 |
| 3.729 | R | Al Jazeera | 13333 |
| 11.025 | V | Astro TV | 4000 |
| 11.025 | V | DUGA | 4000 |
| ● 11.025 | V | TV 24 SAT | 4000 |
| 11.048 | H | Argentinisima Sateli | 14400 |
| 11.048 | H | Aym Sports 1 | 14400 |
| 11.048 | H | Azteca Novelas | 14400 |
| 11.048 | H | Cable Noticias | 14400 |

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# SatcoDX Global Satellite Chart 02/2009

| Freq GHz | Pol | Channel Name | Symbol rate |
|---|---|---|---|
| 11.048 | H | Cosmovision | 14400 |
| 11.048 | H | Ecuavisa Internacion | 14400 |
| 11.048 | H | once tv | 14400 |
| 11.048 | H | Rumba TV | 14400 |
| 11.048 | H | Tele Nostalgia | 14400 |
| 11.048 | H | TV Agro | 14400 |
| 11.048 | H | Radio-1 | 14400 |
| 11.048 | H | Radio-2 | 14400 |
| 11.048 | H | Radio-3 | 14400 |
| 11.048 | H | Radio-4 | 14400 |
| 11.048 | H | Radio-5 | 14400 |
| 11.048 | H | Radio-6 | 14400 |
| 11.048 | H | Radio-7 | 14400 |
| 11.048 | H | Radio-8 | 14400 |
| 11.640 | V | ITV MAIN | 21100 |
| 11.675 | V | Aaj Tak | 27500 |
| 11.675 | V | GEO | 27500 |
| 11.675 | V | GEO News | 27500 |
| 11.675 | V | NDTV 24x7 | 27500 |
| 11.675 | V | Punjabi Just TV | 27500 |
| 11.675 | V | Sahara Filmy | 27500 |
| 11.675 | V | Sahara One | 27500 |
| 11.675 | V | SET Europe | 27500 |
| 11.675 | V | SET Max UK | 27500 |
| 11.675 | V | Star Gold | 27500 |
| 11.675 | V | Star One | 27500 |
| 11.675 | V | Star Plus | 27500 |
| 11.675 | V | NTA | 27500 |
| 11.675 | V | PTV Global | 27500 |
| **North Africa, Europe** | | | |
| **NSS 7** | | | |
| **338.0 East (22.0 West)** | | | |
| 11.488 | H | STV_USA | 2170 |
| 11.563 | H | INS Europe Interna | 6111 |
| ● 11.605 | H | Reuters WNS | 4000 |
| 11.620 | H | ch 1 | 2000 |
| 12.735 | H | BOUCHAOUI_TDA3 | 16640 |
| 12.735 | H | PROGRAMME NATIONA | 16640 |
| 12.735 | H | A3 | 16640 |
| 12.735 | H | CANAL ALGERIE | 16640 |
| 12.735 | H | ADRAR | 16640 |
| 12.735 | H | AHAGGAR | 16640 |
| 12.735 | H | BATNA | 16640 |
| 12.735 | H | CHAINE 1 | 16640 |
| 12.735 | H | CHAINE 2 | 16640 |
| 12.735 | H | CHAINE 3 | 16640 |
| 12.735 | H | ELWAHAT | 16640 |
| 12.735 | H | ESSOUHOUB | 16640 |
| 12.735 | H | GHARDAIA | 16640 |
| 12.735 | H | ILLIZI | 16640 |
| 12.735 | H | JIJEL | 16640 |
| 12.735 | H | NAAMA | 16640 |
| 12.735 | H | RADIO INTERNATION | 16640 |
| 12.735 | H | Radio20 | 16640 |
| 12.735 | H | SAHEL | 16640 |
| 12.735 | H | SAOURA | 16640 |
| 12.735 | H | SOUF | 16640 |
| 12.735 | H | SOUK AHRAS | 16640 |
| 12.735 | H | TINDOUF | 16640 |
| 12.735 | H | TLEMCEN | 16640 |
| **C-Band: NSS 7** | | | |
| **338.1 East (21.9 West)** | | | |
| 4.116 | L | Atlantic | 3680 |
| 4.116 | L | News | 3680 |
| 4.116 | L | Sports | 3680 |
| 3.650 | R | EQUIDIA PRO | 27500 |
| 3.650 | R | WALF TV | 27500 |
| 3.650 | R | 2M MAROC | 27500 |
| 3.650 | R | AL Maghribiya | 27500 |
| 3.650 | R | CANAL ALGERIE | 27500 |
| 3.650 | R | TELE..CONGO | 27500 |
| 3.650 | R | Vox Africa | 27500 |
| 3.650 | R | Walf 1 | 27500 |
| 3.650 | R | COFRAC | 27500 |
| 3.650 | R | RADIO 2M | 27500 |
| 3.650 | R | Radio Congo | 27500 |
| 3.650 | R | RTBF International | 27500 |
| 3.650 | R | TDA CH 1 | 27500 |
| 3.650 | R | TDA Radio Internatio | 27500 |
| 3.931 | L | Newsource | 25000 |
| 3.931 | L | CNN PLUS | 25000 |
| 3.931 | L | CNN Radio / Newslink | 25000 |
| 3.931 | L | CNN Spanish & Radio | 25000 |
| 3.931 | L | CNN-AOR Common | 25000 |
| 3.931 | L | CNN-AOR Turnaround | 25000 |
| 3.931 | L | Common Feed | 25000 |
| 3.931 | L | D9223 CCP Code Dow | 25000 |
| 3.931 | L | D9223 DCP Code Dow | 25000 |
| 3.931 | L | D9225, D9234 Code Do | 25000 |
| 3.931 | L | AOR1 CNN Radio en | 25000 |
| 3.931 | L | AOR1 CNN Radio Eng | 25000 |
| 3.931 | L | AOR1 Radio In Hous | 25000 |
| 3.982 | L | TV + GABON | 1380 |
| 4.179 | R | Abu Dhabi TV | 27500 |
| 4.179 | R | France 24 (en Franca | 27500 |
| 4.179 | R | France 24 (in Englis | 27500 |
| 4.179 | R | Jamahirya TV | 27500 |
| 4.179 | R | JSC | 27500 |
| 4.179 | R | KUWAIT TV | 27500 |
| 4.179 | R | Oman TV | 27500 |
| 4.179 | R | Qatar TV | 27500 |
| 4.179 | R | Saudi TV | 27500 |
| 4.179 | R | Sharjah tv | 27500 |
| 4.179 | R | Sudan TV | 27500 |
| 4.179 | R | Syrian TV | 27500 |
| 4.179 | R | TVE Internacional | 27500 |
| 4.179 | R | Yemen TV | 27500 |
| 4.179 | R | Aden Radio | 27500 |
| 4.179 | R | Emirates FM | 27500 |
| 4.179 | R | KUWAIT R1 | 27500 |
| 4.179 | R | KUWAIT R2 | 27500 |
| 4.179 | R | Main General Program | 27500 |
| 4.179 | R | Oman Radio | 27500 |
| 4.179 | R | Oman-Holy Quran | 27500 |
| 4.179 | R | Program One | 27500 |
| 4.179 | R | Quatar radio | 27500 |
| 4.179 | R | Radio 1 | 27500 |
| 4.179 | R | Radio Exterior | 27500 |
| 4.179 | R | Radio Omduman Holy K | 27500 |
| 4.179 | R | Radio Quran | 27500 |
| 4.179 | R | Sana'a radio | 27500 |
| 4.179 | R | Sharja FM | 27500 |
| 4.179 | R | Sudan Radio | 27500 |
| 4.179 | R | Voice Of People | 27500 |
| 4.179 | R | Voice of Youth | 27500 |

NSS007WH

| Freq GHz | Pol | Channel Name | Symbol rate |
|---|---|---|---|
| 3.725 | L | TELE Africa | 1462 |
| 3.761 | R | Bolivian Mux | 22650 |
| 3.948 | R | Samanyolu TV Amerika | 2200 |
| 3.644 | R | EQUIDIA PRO | 27500 |
| 3.644 | R | WALF TV | 27500 |
| 3.644 | R | 2M MAROC | 27500 |
| 3.644 | R | AL Maghribiya | 27500 |
| 3.644 | R | CANAL ALGERIE | 27500 |
| 3.644 | R | TELE..CONGO | 27500 |
| 3.644 | R | Vox Africa | 27500 |
| 3.644 | R | Walf 1 | 27500 |
| 3.644 | R | COFRAC | 27500 |
| 3.644 | R | RADIO 2M | 27500 |
| 3.644 | R | Radio Congo | 27500 |
| 3.644 | R | RTBF International | 27500 |
| 3.644 | R | TDA CH 1 | 27500 |
| 3.644 | R | TDA Radio Internatio | 27500 |
| **Europe, North Africa** | | | |
| **INTELSAT 901** | | | |
| **342.0 East (18.0 West)** | | | |
| 11.056 | H | TELEREPORTER SUD | 1950 |
| 11.156 | H | CONADTV | 1600 |
| 11.678 | H | NBA Path 2 | 28570 |
| 11.678 | H | NBA Path 3 | 28570 |
| 11.678 | H | NBA TV Europe | 28570 |
| **C-Band: INTELSAT 901** | | | |
| **342.1 East (17.9 West)** | | | |
| 3.718 | L | AIT-MOVISTAR | 2480 |
| 3.791 | R | AIT-INT-USA | 4340 |
| 3.798 | R | AIT - LAGOS. | 4340 |
| 3.803 | R | AIT LAGOS | 2894 |
| 3.808 | R | DAAR New York | 4340 |
| 3.813 | R | AIT-ABUJA | 2480 |
| **Europe** | | | |
| **TELSTAR 12** | | | |
| **345.0 East (15.0 West)** | | | |
| 11.062 | H | CNBC | 19280 |
| 11.062 | H | E! EME | 19280 |
| 11.062 | H | E! EMEA | 19280 |
| 11.062 | H | The Style Network | 19280 |
| 11.124 | H | Club Europe | 18386 |
| 11.124 | H | Extreme Sports | 18386 |
| 11.124 | H | JimJam ME | 18386 |
| 11.124 | H | Nat Geo Poland | 18386 |
| 11.124 | H | Reality TV | 18386 |
| 11.150 | H | Club CE | 18386 |
| 11.150 | H | Club/Irisz | 18386 |
| 11.150 | H | Extreme France | 18386 |
| 11.150 | V | History Channel | 19275 |
| 11.150 | V | JimJam EMEA | 19275 |
| 11.150 | H | NatGeo Romenia | 18386 |
| 11.150 | V | NatGeo Wild | 19275 |
| 11.150 | H | Playboy TV NL | 18386 |
| 11.150 | H | Reality Asia | 18386 |
| 11.150 | H | Reality EMEA | 18386 |
| 11.150 | V | Reality Poland | 19275 |
| ● 11.150 | H | TEST | 18386 |
| 11.150 | H | ASDA ENG | 18386 |
| 11.150 | H | ASDA SCO | 18386 |
| 11.150 | H | Carpet Right FM | 18386 |
| 11.150 | V | EPG | 19275 |
| 11.150 | H | Makro FM | 18386 |
| 11.150 | V | Nagra Guide | 19275 |
| 11.150 | H | PC World FM | 18386 |
| 11.678 | V | Reform TV | 2200 |
| 12.524 | V | Atlantic | 26470 |
| 12.524 | V | ESPN | 26470 |
| 12.524 | V | ESPN2 | 26470 |
| 12.524 | V | ESPN2 Caribbean | 26470 |
| 12.524 | V | Latin America Caribb | 26470 |
| 12.524 | V | Middle East | 26470 |
| 12.524 | V | Pac Rim | 26470 |
| 12.524 | V | VC/Occassional Pal | 26470 |
| 12.524 | V | Download Channel | 26470 |
| 12.545 | H | ATN 1 | 11900 |
| 12.545 | H | ATN 2 | 11900 |
| 12.545 | H | CNN HDLN | 11900 |
| 12.545 | H | CNN LIVE | 11900 |
| 12.545 | H | FOX | 11900 |
| 12.545 | H | Pentagon | 11900 |
| 12.545 | H | QUAD ISR | 11900 |
| 12.589 | V | Simaye-Azadi | 4503 |
| 12.608 | H | ADTH COMBO | 19279 |
| 12.608 | H | ETV | 19279 |
| 12.608 | H | Phoenix InfoNews | 19279 |
| 12.608 | H | AGHAPY TV | 19279 |
| 12.608 | H | BBC PERSIAN | 19279 |
| 12.608 | H | Hwazan | 19279 |
| 12.608 | H | MAC TV | 19279 |
| 12.608 | H | TZUCHI | 19279 |
| 12.608 | H | VOA Persian | 19279 |
| 12.608 | H | Farda Radio | 19279 |
| 12.608 | H | Radio Sedaye Iran | 19279 |
| 12.608 | H | VOA Radio | 19279 |
| 12.615 | V | ARIA MEHR TV | 11938 |
| 12.615 | V | ARIA TV | 11938 |
| 12.615 | V | CASPIAN TV | 11938 |
| 12.615 | V | Gunaz TV | 11938 |
| 12.615 | V | Scopus Net Tech | 11938 |
| 12.615 | V | Kol Haneshama | 11938 |
| ● 12.645 | H | EARTH TV | 3255 |
| ● 10.988 | H | PBL Service 1B | 2893 |
| ● 10.992 | H | PBL Service 2A | 2893 |
| **America** | | | |
| **TELSTAR 12** | | | |
| **345.1 East (14.9 West)** | | | |
| 11.740 | V | American Clean Feed | 3255 |
| 11.740 | V | Racing International | 3255 |
| 11.741 | V | American Clean Feed | 3255 |
| 11.741 | V | Racing International | 3255 |
| 11.806 | V | AL- ALAM | 7596 |
| 11.806 | V | IRINN | 7596 |
| 11.806 | V | JAM-E-JAME2 | 7596 |
| 11.806 | V | IRIB1 | 7596 |
| 11.806 | V | IRIB4 | 7596 |
| 11.806 | V | IRIB5 | 7596 |
| 11.806 | V | RADIO IRAN | 7596 |
| 11.806 | V | RADIO MAAREF | 7596 |
| 11.806 | V | RADIO QURAN | 7596 |
| ● 11.806 | V | RADIO SEDAYE ASHN | 7596 |
| 11.964 | H | BULGARIAN NATIONA | 14714 |
| 11.964 | H | SP TV | 14714 |
| ● 11.964 | H | TPAI | 14714 |
| 11.964 | H | TRACE TV | 14714 |
| 11.964 | H | HIT RADIO | 14714 |
| 11.974 | V | BVN | 3400 |
| 11.974 | V | RNW1 (dut) | 3400 |
| 11.974 | V | RNW2 (eng) | 3400 |
| 11.974 | V | RNW3 (spa/por) | 3400 |
| 11.974 | V | RNW5 | 3400 |
| 11.974 | V | RNW6 | 3400 |
| 11.974 | V | RVI 1 (vl) | 3400 |
| ● 12.083 | H | Latin America | 3935 |
| 12.168 | H | TV PAMPA | 3503 |
| ● 12.175 | H | PAMPA S.MARIA | 3504 |
| **Europe, South Africa** | | | |
| **TELSTAR 12** | | | |
| **345.2 East (14.8 West)** | | | |
| 11.062 | H | CNBC | 19280 |
| 11.062 | H | E! EME | 19280 |
| 11.062 | H | E! EMEA | 19280 |
| 11.062 | H | The Style Network | 19280 |
| 11.150 | H | Club CE | 18386 |
| 11.150 | H | Club/Irisz | 18386 |
| 11.150 | H | Extreme France | 18386 |
| 11.150 | H | NatGeo Romenia | 18386 |
| 11.150 | H | Playboy TV NL | 18386 |
| 11.150 | H | Reality Asia | 18386 |
| 11.150 | H | Reality EMEA | 18386 |
| ● 11.150 | H | TEST | 18386 |
| 11.150 | H | ASDA ENG | 18386 |
| 11.150 | H | ASDA SCO | 18386 |
| 11.150 | H | Carpet Right FM | 18386 |
| 11.150 | H | Makro FM | 18386 |
| 11.150 | H | PC World FM | 18386 |
| 11.518 | H | DAD-4 FIBER TX-54 | 3744 |
| 11.526 | H | DAD-5 FT-55 | 3200 |
| 11.532 | H | MSNBC | 3200 |
| ● 11.537 | H | BTV-1 | 4284 |
| 11.537 | H | BTV-4 | 4284 |
| 11.565 | H | EuropeSoAfrica | 5625 |
| 11.685 | H | Mass Response 4 | 2965 |
| 11.690 | H | Mass Response 2 | 3255 |
| 12.545 | H | ATN 1 | 11900 |
| 12.545 | H | ATN 2 | 11900 |
| 12.545 | H | CNN HDLN | 11900 |
| 12.545 | H | CNN LIVE | 11900 |
| 12.545 | H | FOX | 11900 |
| 12.545 | H | Pentagon | 11900 |
| 12.545 | H | QUAD ISR | 11900 |
| 12.608 | H | ADTH COMBO | 19279 |
| 12.608 | H | ETV | 19279 |
| 12.608 | H | Phoenix InfoNews | 19279 |
| 12.608 | H | AGHAPY TV | 19279 |
| 12.608 | H | BBC PERSIAN | 19279 |
| 12.608 | H | Hwazan | 19279 |
| 12.608 | H | MAC TV | 19279 |
| 12.608 | H | TZUCHI | 19279 |
| 12.608 | H | VOA Persian | 19279 |
| 12.608 | H | Farda Radio | 19279 |
| 12.608 | H | Radio Sedaye Iran | 19279 |
| 12.608 | H | VOA Radio | 19279 |
| ● 12.645 | H | EARTH TV | 3255 |
| 12.657 | H | TELEMEDIA UK 1 | 3255 |
| ● 12.662 | H | CNBC EUR0PE MADRI | 2893 |
| **South America** | | | |
| **TELSTAR 12** | | | |
| **345.3 East (14.7 West)** | | | |
| 11.804 | V | IRINN | 7595 |
| 11.965 | H | SP TV | 14714 |
| 11.974 | H | BVN | 13570 |
| 12.000 | H | Latin America | 6666 |
| 12.050 | H | TV PAMPA | 3198 |
| 12.167 | H | PAMPA RECORD | 3504 |
| **EXPRESS A4** | | | |
| **346.0 East (14.0 West)** | | | |
| 3.675 | R | 1TVRUS zapad | 29615 |
| 3.675 | R | RTR Planeta+RR | 29615 |
| 11.514 | V | Newroz TV | 2960 |
| 11.524 | V | Vin | 2970 |
| 11.532 | V | Gali | 3003 |
| **Europe** | | | |
| **ATLANTIC BIRD 1** | | | |
| **347.5 East (12.5 West)** | | | |
| 11.100 | H | LIFE CHANNEL | 2000 |
| 11.132 | H | BH-TV1 | 3254 |
| 11.132 | H | BH-Radio1 | 3254 |
| 11.177 | H | FOX TV | 7596 |
| 11.177 | H | SVET PLUS | 7596 |
| 11.177 | H | ROADSTAR RADIO | 7596 |
| 11.185 | V | SET Portugal | 13657 |
| 11.185 | V | Bainet Sat | 13657 |
| 11.185 | V | Program 702 | 13657 |
| 11.185 | V | Program 705 | 13657 |
| 11.331 | H | Exotica Channel | 6000 |
| 11.331 | H | Touch TV | 6000 |
| 11.337 | H | CCTV 4 | 1923 |
| 11.340 | H | Cancao Nova Internac | 2279 |
| 11.355 | H | ESP2 Hungary | 11781 |
| 11.355 | H | ESP2 Romania | 11781 |
| 11.355 | H | TBi | 11781 |
| 11.355 | H | CYFRA+ GRY | 11781 |
| 11.355 | H | CYFRA+ GRY2 | 11781 |
| 11.355 | H | INFO+ | 11781 |
| 11.355 | H | Music Ch. Dance | 11781 |
| 11.355 | H | Music Ch. Oldies | 11781 |
| 11.355 | H | Music Ch. Rock | 11781 |
| 11.355 | H | Music Ch. Swiat | 11781 |
| 11.355 | H | Music Ch. Urban | 11781 |
| 11.355 | H | Music Choice 1 | 11781 |
| 11.355 | H | Music Choice 2 | 11781 |
| 11.355 | H | Music Choice 3 | 11781 |
| 11.355 | H | Music Choice 4 | 11781 |
| 11.355 | H | Music Choice 5 | 11781 |
| 11.355 | H | Music Choice 6 | 11781 |
| 11.355 | H | Music Choice 7 | 11781 |
| 11.355 | H | Music Choice Pop | 11781 |
| 11.355 | H | MusicC. Klasyka | 11781 |
| 11.387 | H | Boomerang Germany | 27500 |
| 11.387 | H | CN Germany | 27500 |
| 11.387 | H | Dorcel TV | 27500 |
| 11.387 | H | MTV IDOL | 27500 |
| 11.387 | H | MTV PULSE | 27500 |
| 11.387 | H | NATIONAL GEO | 27500 |
| 11.387 | H | TCM Germany | 27500 |
| 11.387 | H | BETHEL TV | 27500 |
| 11.387 | H | Canale 8 | 27500 |
| ● 11.387 | H | HOLIDAY SAT_GOLD | 27500 |
| 11.387 | H | KJC | 27500 |
| ● 11.387 | H | Laurenti Channel | 27500 |
| 11.387 | H | LAZIO CHANNEL | 27500 |
| 11.387 | H | Liberty TV NL | 27500 |
| 11.387 | H | NSTV | 27500 |
| 11.387 | H | Telecolore | 27500 |
| 12.515 | H | Cartapiu' A | 17452 |
| 12.515 | H | Cartapiu' B | 17452 |
| 12.515 | H | Cartapiu' C | 17452 |
| 12.515 | H | Cartapiu' D | 17452 |
| 12.515 | H | LA7 | 17452 |
| 12.515 | H | QOOB | 17452 |
| 12.515 | H | PIU' SERVIZI | 17452 |
| 12.529 | V | ITA 302 Videobank 1 | 1550 |
| 12.529 | V | OASI TV | 1550 |
| 12.529 | V | OASI TV | 1550 |
| 12.546 | H | LA7 | 17454 |
| 12.546 | H | MTV ITALIA | 17454 |
| ● 12.546 | H | Sardegna1 SAT | 17454 |
| 12.578 | V | SSN TV | 5860 |
| 12.578 | V | Radio Azadegan | 5860 |
| 12.578 | V | Radio Dijla | 5860 |
| 12.597 | H | Extra 3 | 1910 |
| 12.632 | V | RIT | 2141 |
| 12.637 | V | Record Internacional | 4285 |
| **EXPRESS A3** | | | |
| **349.0 East (11.0 West)** | | | |
| 3.675 | R | 1TVRUS zapad | 29615 |
| 3.675 | R | RTR Planeta+RR | 29615 |
| 11.516 | V | ATV BL | 7780 |
| 11.516 | V | FTV | 7780 |
| 11.516 | V | RTRS | 7780 |
| **Europe** | | | |
| **ATLANTIC BIRD 2** | | | |
| **352.0 East (8.0 West)** | | | |
| 10.970 | H | AL SAFWA | 27500 |
| 10.970 | H | AL YAWM | 27500 |
| 10.970 | H | CINEMA 1 | 27500 |
| 10.970 | H | CINEMA 2 | 27500 |
| 10.970 | H | FANN | 27500 |
| 10.970 | H | GMA LIFE TV | 27500 |
| 10.970 | H | GMA Pinoy TV | 27500 |
| 10.970 | H | HISTORY CHANNEL | 27500 |
| 10.970 | H | HOLLYWOOD | 27500 |
| 10.970 | H | NBA TV | 27500 |
| 10.970 | H | NBN PINOY NEWS | 27500 |
| 10.970 | H | SERIES+4 | 27500 |
| 10.970 | H | SUPER MOVIES+1 | 27500 |
| 10.970 | H | TCM | 27500 |
| 10.970 | H | GMA DWLS FM | 27500 |
| 10.972 | V | Body in Balance | 27500 |
| 10.972 | V | Channel One Russia | 27500 |
| 10.972 | V | Euro Star | 27500 |
| 10.972 | V | Euronews English | 27500 |
| 10.972 | V | Euronews French | 27500 |
| 10.972 | V | Euronews Italy | 27500 |
| 10.972 | V | Euronews Portugese | 27500 |
| 10.972 | V | Euronews Russia | 27500 |
| 10.972 | V | Euronews Spain | 27500 |
| 10.972 | V | Kinowelt | 27500 |
| 10.972 | V | LigTV | 27500 |
| 10.972 | V | PinkPlus | 27500 |
| 10.972 | V | RTR Planeta | 27500 |
| 10.972 | V | Al Jazeera | 27500 |
| 10.972 | V | France 24 | 27500 |
| 11.010 | H | AMERICA PLUS +2 | 27500 |
| 11.010 | H | ANIMAL PLANET | 27500 |
| 11.010 | H | BBC PRIME | 27500 |
| 11.010 | H | BOOMERANG | 27500 |
| 11.010 | H | CARTOON NETWORK | 27500 |
| 11.010 | H | CINEMA CITY +1 | 27500 |
| 11.010 | H | DISCOVERY CHANNEL | 27500 |
| 11.010 | H | DISCOVERY T&L | 27500 |
| 11.010 | H | DISNEY CHANNEL | 27500 |
| 11.010 | H | ORBIT NEWS | 27500 |
| ● 11.010 | H | ORBIT NEWS 2 | 27500 |
| 11.010 | H | SUPER COMEDY +2 | 27500 |
| 11.010 | H | TOON DISNEY | 27500 |
| 11.010 | H | CNNI | 27500 |
| 11.010 | H | e-GMA DZBB | 27500 |
| 11.010 | H | e-KHALIJYA'T | 27500 |
| 11.010 | H | e-MONAWA'T | 27500 |
| 11.010 | H | e-TARABIYA'T | 27500 |
| 11.011 | V | ATV Avrupa | 27500 |
| 11.011 | V | EuroD | 27500 |
| 11.011 | V | FOX Turk | 27500 |
| 11.011 | V | Kanal7 Int | 27500 |
| 11.011 | V | Rai Due | 27500 |
| 11.011 | V | Rai Tre | 27500 |
| 11.011 | V | Rai Uno | 27500 |
| 11.011 | V | Show Turk | 27500 |
| 11.011 | V | TRT Int | 27500 |
| 11.011 | V | TurkMax | 27500 |
| 11.011 | V | TV Polonia | 27500 |
| 11.387 | H | 13TH Street | 24740 |
| 11.387 | H | AXN | 24740 |
| 11.387 | H | Biography Channel | 24740 |
| 11.387 | H | Boomerang | 24740 |
| 11.387 | H | Cartoon Network | 24740 |
| 11.387 | H | Motors TV Deutschlan | 24740 |
| 11.387 | H | NASN | 24740 |
| 11.387 | H | National Geographic | 24740 |
| 11.387 | H | Sci Fi Deutschland | 24740 |
| 11.387 | H | Silverline | 24740 |
| 11.387 | H | The History Channel | 24740 |
| 11.387 | H | Turner Classic Movie | 24740 |
| 11.427 | H | BBC Prime | 27500 |
| 11.427 | H | E! Entertainment (D/ | 27500 |
| 11.427 | H | E! Entertainment (PL | 27500 |
| ● 11.427 | H | E! Entertainment (TR | 27500 |
| 11.427 | H | Romance TV | 27500 |
| 11.427 | H | RTVi Detskii Mir - | 27500 |
| 11.427 | H | RTVi Nashe Kino | 27500 |
| 11.427 | H | sportdigital.tv | 27500 |
| 11.427 | H | yourfamily | 27500 |
| 11.427 | H | RTVi Europe | 27500 |
| 11.427 | H | blu.fm | 27500 |
| 12.539 | H | K3 Kulturkanal | 3038 |
| ● 12.566 | V | MediaproHD2 | 27500 |
| 12.649 | V | Adult Channel | 27500 |
| 12.649 | V | Blue Hustler | 27500 |
| 12.649 | V | Bundesliga 1 - Kabel | 27500 |
| 12.649 | V | Bundesliga 2 - Kabel | 27500 |
| 12.649 | V | Bundesliga 3 - Kabel | 27500 |
| 12.649 | V | Bundesliga 4 - Kabel | 27500 |
| 12.649 | V | Bundesliga 5 - Kabel | 27500 |
| 12.649 | V | Bundesliga 6 - Kabel | 27500 |
| 12.649 | V | Bundesliga 7 - Kabel | 27500 |
| 12.649 | V | Bundesliga 8 - Kabel | 27500 |
| 12.649 | V | Bundesliga home - Ka | 27500 |
| 12.649 | V | Bundesliga info - Ka | 27500 |
| 12.649 | V | ESPN Classic | 27500 |
| ● 12.649 | V | rush test | 27500 |
| 12.649 | V | Super Sports Network | 27500 |
| 12.649 | V | TVN I Europe | 27500 |
| ● 12.649 | V | Yacht & Sail | 27500 |
| 12.649 | V | KabelKiosk - Infokan | 27500 |
| **ATLANTIC BIRD 2** | | | |
| **352.0 East (8.0 West)** | | | |
| 10.976 | V | Dubai Business Chann | 30000 |
| 10.976 | V | Dubai Sports Channel | 30000 |
| 10.976 | V | EDTV Channel Europ | 30000 |
| 10.976 | V | EDTV Radio 1 | 30000 |
| 10.976 | V | EDTV Radio 2 | 30000 |
| **ATLANTIC BIRD 2** | | | |
| **352.0 East (8.0 West)** | | | |
| 11.057 | H | AL SAFWA | 27500 |
| 11.057 | H | AL YAWM | 27500 |
| 11.057 | H | CINEMA 1 | 27500 |
| 11.057 | H | CINEMA 2 | 27500 |
| 11.057 | H | FANN | 27500 |
| 11.057 | H | FUN CHANNEL | 27500 |
| 11.057 | H | GMA Pinoy TV | 27500 |
| 11.057 | H | HISTORY CHANNEL | 27500 |
| 11.057 | H | HOLLYWOOD | 27500 |
| 11.057 | H | NBA TV | 27500 |
| 11.057 | H | NBN PINOY NEWS | 27500 |
| 11.057 | H | PBO | 27500 |
| 11.057 | H | SERIES | 27500 |
| 11.057 | H | SERIES+4 | 27500 |
| 11.057 | H | SUPER MOVIES+1 | 27500 |
| 11.057 | H | TCM | 27500 |
| 11.553 | V | Al Nahrin | 25775 |
| 11.553 | V | Aliraqiya Sports | 25775 |
| 11.553 | V | Almajd Alhadith Alnb | 25775 |
| 11.553 | V | Alqeetharah promo | 25775 |
| 11.553 | V | Alsaha promo | 25775 |
| 11.553 | V | Alsalam | 25775 |
| 11.553 | V | Angham | 25775 |
| 11.553 | V | I.M.G | 25775 |
| 11.553 | V | TalaVision | 25775 |
| 11.553 | V | Test 10 | 25775 |
| 11.553 | V | Test 11 | 25775 |
| 11.553 | V | Test 12 | 25775 |
| 11.595 | V | Afaak TV | 25775 |
| 11.595 | V | Al Hurria TV | 25775 |
| 11.595 | V | Al Masar TV | 25775 |
| 11.595 | V | Alatheer promo | 25775 |
| 11.595 | V | Alwasta | 25775 |
| 11.595 | V | Babel TV promo | 25775 |
| 11.595 | V | Feeds (MC_ERTU) | 25775 |
| 11.595 | V | Ghinaeya | 25775 |
| 11.595 | V | Kurdistan TV | 25775 |
| 11.595 | V | Turkmeneli TV | 25775 |
| 11.595 | V | Radio Turkmeneli | 25775 |
| 12.748 | H | Radio | 1100 |
| **Middle East** | | | |
| **NILESAT 101, 102, ATLANTIC BIRD 4** | | | |
| **353.0 East (7.0 West)** | | | |

EUTAB4MK

| Freq GHz | Pol | Channel Name | Symbol rate |
|---|---|---|---|
| 10.719 | V | Al Afasy Quran TV | 27500 |
| 10.719 | V | ALinsaniya | 27500 |
| 10.719 | V | ALJazeera Children | 27500 |
| 10.719 | V | ASC | 27500 |
| 10.719 | V | Cairo Cinema | 27500 |
| 10.719 | V | Hannibal Orient | 27500 |
| 10.719 | V | JSC Documentry | 27500 |
| 10.719 | V | JSC Mubasher | 27500 |
| 10.719 | V | Press TV | 27500 |
| 10.719 | V | RSC TV | 27500 |
| 10.719 | V | Test 12 | 27500 |
| 10.719 | V | Test 4 | 27500 |
| 10.728 | H | LIBYA EDU | 38500 |
| 10.728 | H | SESAT LJB -TEST | 38500 |
| 10.757 | V | Al Rayah | 27500 |
| 10.757 | V | Al Saeeda | 27500 |
| 10.757 | V | AL-Atheer | 27500 |
| 10.757 | V | AL-Mergab | 27500 |
| 10.757 | V | Al-Shoroq | 27500 |
| 10.757 | V | ALMAJD9 | 27500 |
| 10.757 | V | Harmony TV | 27500 |
| 10.757 | V | Mersal | 27500 |
| 10.757 | V | OK TV | 27500 |
| 10.757 | V | Sada TV | 27500 |
| 10.757 | V | Sahoor | 27500 |
| 10.757 | V | Test | 27500 |
| 10.757 | V | Test | 27500 |
| 10.757 | V | WOW | 27500 |
| 10.757 | V | ALKawther FM92 | 27500 |
| 10.795 | V | Addounia | 27500 |
| 10.795 | V | Al Mukhtalif | 27500 |
| 10.795 | V | AL Tejariah | 27500 |
| 10.795 | V | AL-Amaken | 27500 |
| 10.795 | V | Fanoos | 27500 |
| 10.795 | V | Goal TV | 27500 |
| 10.795 | V | Khalijiah | 27500 |
| 10.795 | V | KurdSat | 27500 |
| 10.795 | V | Massaya | 27500 |
| 10.795 | V | Melody Tunes | 27500 |
| 10.795 | V | Nassr Club TV | 27500 |
| 10.795 | V | Oman TV2 | 27500 |
| 10.795 | V | Tunis 7 | 27500 |
| 10.795 | V | Zagros | 27500 |
| 10.795 | V | Tunis Culture | 27500 |
| 10.795 | V | Tunis International | 27500 |
| 10.795 | V | Tunis National | 27500 |
| 10.795 | V | Zitouna Tunisie | 27500 |
| 10.834 | V | Al Badr | 27500 |
| 10.834 | V | Al Forqan | 27500 |
| 10.834 | V | Al Iraqia | 27500 |
| 10.834 | V | AL-Anbar | 27500 |
| 10.834 | V | Cairo-Univ1 | 27500 |
| 10.834 | V | Daleel TV | 27500 |
| 10.834 | V | Iraqia Atyaf | 27500 |
| 10.834 | V | Iraqia Mubasher | 27500 |
| 10.834 | V | Najah 2 | 27500 |
| 10.834 | V | Temp1 | 27500 |
| 10.834 | V | Temp2 | 27500 |
| 10.834 | V | Test | 27500 |
| 10.834 | V | Tunisie 21 | 27500 |
| 10.834 | V | Algeel Radio | 27500 |
| 10.834 | V | Baghdad Radio | 27500 |
| 10.834 | V | Shahrazad Radio | 27500 |
| 10.834 | V | Test | 27500 |
| 10.853 | H | 2M Maroc | 27500 |
| 10.853 | H | A3mal | 27500 |
| 10.853 | H | Afak | 27500 |
| ● 10.853 | H | Al Hekma | 27500 |
| 10.853 | H | Al Rahma | 27500 |
| 10.853 | H | ALLORD | 27500 |
| 10.853 | H | Assaa | 27500 |
| 10.853 | H | Dream Sport | 27500 |
| 10.853 | H | LifeStyle TV | 27500 |
| 10.853 | H | Marina TV | 27500 |
| 10.853 | H | Melody TRIX | 27500 |
| 10.853 | H | MODERN | 27500 |
| 10.853 | H | Modern Sport | 27500 |
| 10.930 | H | ESPN | 27500 |
| 10.930 | H | ESPN Classic | 27500 |
| 10.930 | H | ESPN NASN | 27500 |
| 10.930 | H | INDUS VISION | 27500 |
| 10.930 | H | Aaj TV | 27500 |
| ● 10.930 | H | ADSC3 | 27500 |
| 10.930 | H | Aghanina | 27500 |
| 10.930 | H | AL-BABELEYA | 27500 |
| 10.930 | H | AL-ORDON GHAIR | 27500 |
| 10.930 | H | Alamhawa | 27500 |
| 10.930 | H | Aletejah TV | 27500 |
| 10.930 | H | ARAB TV | 27500 |
| 10.930 | H | Live TV | 27500 |
| 10.930 | H | Petra TV | 27500 |
| ● 10.930 | H | Test | 27500 |
| 12.341 | V | AL Aan | 27500 |
| 12.341 | V | ASIA BUSINESS TV | 27500 |
| 12.341 | V | Clicktv | 27500 |
| 12.341 | V | DECISION MAKER TV | 27500 |
| 12.341 | V | Dubai Sports 2 | 27500 |
| 12.341 | V | FATAFEAT | 27500 |
| 12.341 | V | MBC Persia | 27500 |
| 12.341 | V | NDTV ARABIA | 27500 |
| 12.341 | V | NDTV IMAGINE | 27500 |
| 12.341 | V | RAK TV | 27500 |
| 12.341 | V | Space Toon English | 27500 |
| 12.360 | H | A LPHA Shop | 27500 |
| 12.360 | H | Al Ahly TV | 27500 |
| 12.360 | H | Al Badeel | 27500 |
| 12.360 | H | Al Hafez | 27500 |
| 12.360 | H | Al Mowselya TV | 27500 |
| 12.360 | H | ALLIBIYA | 27500 |
| 12.360 | H | ALSALAM | 27500 |
| 12.360 | H | ANN TV | 27500 |
| 12.360 | H | DIJLA | 27500 |
| 12.360 | H | LIBYA AL-RIADHIA | 27500 |
| 12.360 | H | LIBYA AL-RIADHIA | 27500 |
| 12.360 | H | Panorama Drama | 27500 |
| 12.360 | H | SCOPE Tv | 27500 |
| 12.360 | H | Test | 27500 |
| 12.360 | H | ALLIBIYA FM1 | 27500 |
| 12.360 | H | AlSalam Radio | 27500 |
| 12.399 | H | AL-Adalah | 27500 |
| 12.399 | H | ALHURRIA TV | 27500 |
| 12.399 | H | ALMasar TV | 27500 |
| ● 12.399 | H | EVE | 27500 |
| 12.399 | H | Ghinaeya | 27500 |
| 12.399 | H | Iraqia Sport | 27500 |
| 12.399 | H | Kurdistan TV | 27500 |
| 12.399 | H | Lebanon TV | 27500 |
| 12.399 | H | Libya AlShababiyah | 27500 |
| 12.399 | H | Moga Comedy TV | 27500 |
| ● 12.399 | H | ON TV | 27500 |
| 12.399 | H | Test | 27500 |
| 12.399 | H | TURKMEN TV | 27500 |
| 12.399 | H | ALJamahereya R | 27500 |
| 12.399 | H | Iraqia Quran | 27500 |

NIL101KB

| Freq GHz | Pol | Channel Name | Symbol rate |
|---|---|---|---|
| 11.747 | V | A.B.C.AQTSADIA TV | 27500 |
| 11.747 | V | Abu Dhabi TV | 27500 |
| 11.747 | V | Al Forat | 27500 |
| 11.747 | V | AL Wasta | 27500 |
| 11.747 | V | AL-Fajr | 27500 |
| 11.747 | V | Al.Manara.(sci.ch) | 27500 |
| 11.747 | V | Beladi | 27500 |
| 11.747 | V | EDUC 1 | 27500 |
| 11.747 | V | EDUC 2 | 27500 |
| 11.747 | V | EDUC 3 | 27500 |
| 11.747 | V | EDUC 4 | 27500 |
| 11.747 | V | Huda TV | 27500 |
| 11.747 | V | Salah EL-Din | 27500 |
| 11.747 | V | Sehaty | 27500 |
| 11.747 | V | Tamima | 27500 |
| 11.747 | V | TEST | 27500 |
| 11.747 | V | UNIV 1 | 27500 |
| 11.747 | V | Abu Dhabi Radio | 27500 |
| 11.747 | V | Alforat | 27500 |
| 11.766 | H | AL HIDAYAH | 27500 |
| 11.766 | H | AL Hurra Iraq | 27500 |
| 11.766 | H | Al Mishkat | 27500 |
| 11.766 | H | AL MONOWA | 27500 |
| 11.766 | H | Alrai TV | 27500 |
| 11.766 | H | BBCW | 27500 |
| 11.766 | H | Ch 1 | 27500 |
| ● 11.766 | H | ERTU | 27500 |
| 11.766 | H | ESC 1 | 27500 |
| 11.766 | H | FOXMOVIES | 27500 |
| 11.766 | H | Jaras TV | 27500 |
| 11.766 | H | NileTV | 27500 |
| 11.766 | H | Rotana Cinema | 27500 |
| 11.766 | H | TEST | 27500 |
| 11.766 | H | AL-Aghani | 27500 |
| 11.766 | H | AL-Akhbar | 27500 |
| 11.766 | H | AL-bernameg AL-aam | 27500 |
| 11.766 | H | AL-bernameg AL-Abery | 27500 |
| 11.766 | H | AL-Bernameg AL-mouss | 27500 |
| 11.766 | H | AL-bernameg AL-orobi | 27500 |
| 11.766 | H | AL-Kahera Al-Kobra | 27500 |
| 11.766 | H | AL-Kebar | 27500 |
| 11.766 | H | AL-Menia | 27500 |
| 11.766 | H | AL-Quran AL_Karem | 27500 |
| 11.766 | H | AL-shabab Wa AL-reya | 27500 |
| 11.766 | H | AL-Sharg AL-awsat | 27500 |
| 11.766 | H | Matrouh | 27500 |
| 11.766 | H | Mowagahat-3 | 27500 |
| 11.766 | H | Mowagahat-4 | 27500 |
| 11.766 | H | Mowagahat-5 | 27500 |
| 11.766 | H | North Sinai | 27500 |
| 11.766 | H | Sout AL-arab | 27500 |
| 11.766 | H | South Sinai | 27500 |
| 11.766 | H | Wadi Al-neil & Phala | 27500 |
| 11.766 | H | Wasat-ALdelta | 27500 |
| 11.766 | H | WRN Sawt Al-Alam | 27500 |
| 11.785 | V | AL SHARJAH TV | 27500 |
| 11.785 | V | AL SHARQIA | 27500 |
| 11.785 | V | CNBC ARABIA | 27500 |
| 11.785 | V | Dubai One | 27500 |
| 11.785 | V | Dubai Racing Channel | 27500 |
| 11.785 | V | Dubai Sports | 27500 |
| 11.785 | V | Dubai TV | 27500 |
| 11.785 | V | MUSIC PLUS | 27500 |
| 11.785 | V | NOJOOM 1 | 27500 |
| 11.785 | V | Sama Dubai | 27500 |
| 11.785 | V | SPACETOON ARABIC | 27500 |
| 11.785 | V | AL SHARJAH RADIO | 27500 |
| 11.785 | V | EDTV Radio 1 | 27500 |
| 11.785 | V | EDTV Radio E | 27500 |
| 11.804 | H | Animal Planet | 27500 |
| 11.804 | H | ARY | 27500 |
| 11.804 | H | ASIA | 27500 |
| 11.804 | H | B4M | 27500 |
| 11.804 | H | B4UM | 27500 |
| 11.804 | H | Discovery Science | 27500 |
| 11.804 | H | FOXN | 27500 |
| 11.804 | H | FSPR | 27500 |
| 11.804 | H | JXA1 | 27500 |
| 11.804 | H | RTV | 27500 |
| 11.804 | H | S-ONE | 27500 |
| 11.804 | H | SKYN | 27500 |
| 11.804 | H | STARN | 27500 |
| 11.804 | H | TENSP | 27500 |
| 11.804 | H | UKTV | 27500 |
| 11.823 | V | AL MAGHRIBIA | 27500 |
| 11.823 | V | Al-Resala | 27500 |
| 11.823 | V | Alhurra | 27500 |
| 11.823 | V | AlThuraya | 27500 |
| 11.823 | V | Bahrain | 27500 |
| 11.823 | V | Kuwait | 27500 |
| 11.823 | V | Kuwait Sport & + | 27500 |
| 11.823 | V | Mehwer | 27500 |
| 11.823 | V | Oman | 27500 |
| 11.823 | V | PSC | 27500 |
| 11.823 | V | Sudan | 27500 |
| 11.823 | V | Syria | 27500 |
| 11.823 | V | Test | 27500 |
| 11.823 | V | KW Radio | 27500 |
| 11.823 | V | Kw Sp Radio | 27500 |
| 11.823 | V | NEW FM Oman | 27500 |
| 11.823 | V | Oman -Quran | 27500 |
| 11.823 | V | Oman Arabic Radio | 27500 |
| 11.823 | V | Oman English Radio | 27500 |
| 11.823 | V | Syria R1 | 27500 |
| 11.823 | V | Syria R2 | 27500 |
| 11.823 | V | Syria R3 | 27500 |
| 11.843 | H | AL Saha 2 | 27500 |
| 11.843 | H | AlJamahirya | 27500 |
| 11.843 | H | Dream2 | 27500 |
| 11.843 | H | Fashion | 27500 |
| 11.843 | H | FUNoon | 27500 |
| ● 11.843 | H | Nile Cinema | 27500 |
| 11.843 | H | Nile Culture | 27500 |
| 11.843 | H | Nile Drama | 27500 |
| 11.843 | H | Nile Family | 27500 |
| 11.843 | H | Nile Life | 27500 |
| 11.843 | H | Nile News | 27500 |
| 11.843 | H | Nile Sport | 27500 |
| 11.843 | H | Sham TV | 27500 |
| 11.843 | H | Sowalif | 27500 |
| 11.843 | H | Al bernameg AL theka | 27500 |
| 11.843 | H | ALWadi ALGaded | 27500 |
| 11.843 | H | ART Radio | 27500 |
| 11.843 | H | Aswan | 27500 |
| 11.843 | H | Bakous Alexandaria | 27500 |
| 11.843 | H | BBC (A) | 27500 |
| 11.843 | H | BBC (E) | 27500 |
| 11.843 | H | Mawagahat-6 | 27500 |
| 11.843 | H | Mowagahat-1 | 27500 |
| 11.843 | H | Mowagahat-2 | 27500 |
| 11.843 | H | Mowagahat-8 | 27500 |
| 11.843 | H | Radio Farda | 27500 |
| 11.843 | H | Radio Sawa Iraq | 27500 |
| 11.843 | H | Radio Sawa Levant | 27500 |
| 11.843 | H | Radio Sawa Sudan | 27500 |
| 11.843 | H | Radio VOA Iraq | 27500 |
| 11.843 | H | RMC MO | 27500 |
| 11.843 | H | Umdorman Radio | 27500 |
| 11.862 | V | Disney Channel | 27500 |
| 11.862 | V | E! Entertainment | 27500 |
| 11.862 | V | JimJam/Extreme | 27500 |
| 11.862 | V | Nat Geo Wild | 27500 |
| 11.862 | V | ShowComedy Xtra | 27500 |
| 11.862 | V | ShowShasha | 27500 |
| 11.862 | V | ShowShasha Extra | 27500 |
| 11.862 | V | Al Waha | 27500 |
| 11.862 | V | Chatco | 27500 |
| 11.862 | V | City 7 TV | 27500 |
| 11.862 | V | Nojoom 3 | 27500 |
| 11.862 | V | ShowToday | 27500 |
| 11.862 | V | TXT | 27500 |
| 11.862 | V | Arabic EPG | 27500 |
| 11.881 | H | Alf/N | 27500 |
| 11.881 | H | GEO TV | 27500 |
| 11.881 | H | GOLD | 27500 |
| 11.881 | H | JAYA | 27500 |
| 11.881 | H | MOV | 27500 |
| 11.881 | H | NAGE | 27500 |
| 11.881 | H | NDTV | 27500 |
| 11.881 | H | PLUS | 27500 |
| 11.881 | H | SET | 27500 |
| 11.881 | H | SETMX | 27500 |
| 11.881 | H | VINDI | 27500 |
| 11.881 | H | VINT | 27500 |
| 11.881 | H | WLD | 27500 |
| 11.881 | H | ZMOV | 27500 |
| 11.881 | H | ZTV | 27500 |
| 11.881 | H | SPARE1 | 27500 |
| 11.881 | H | SPARE2 | 27500 |
| 11.881 | H | Mazaj FM | 27500 |
| 11.900 | V | ASNshop | 27500 |
| 11.900 | V | Dream | 27500 |
| 11.900 | V | DW-TV ARABIA | 27500 |
| 11.900 | V | ETV | 27500 |
| 11.900 | V | Kuwait Ch.2 | 27500 |
| 11.900 | V | Majd | 27500 |
| 11.900 | V | Mazzika | 27500 |
| 11.900 | V | Mazzika Zoom | 27500 |
| 11.900 | V | Melody Hits | 27500 |
| 11.900 | V | Oyoun TV | 27500 |
| 11.900 | V | Sahm TV | 27500 |
| 11.900 | V | TV5 | 27500 |
| 11.900 | V | Xpress Shop | 27500 |
| 11.900 | V | DW A1 | 27500 |
| 11.900 | V | DW A2 | 27500 |
| 11.900 | V | NILE 1 | 27500 |
| 11.900 | V | Nogoom Radio Ch | 27500 |

NIL102KB

| Freq GHz | Pol | Channel Name | Symbol rate |
|---|---|---|---|
| 11.919 | H | Al NAS TV | 27500 |
| 11.919 | H | Al Saha TV | 27500 |
| 11.919 | H | Al-Kawthar | 27500 |
| 11.919 | H | ALBAGHDADIA | 27500 |
| 11.919 | H | ALRAFIDEN | 27500 |
| 11.919 | H | BAGHDAD TV | 27500 |
| 11.919 | H | Flash TV | 27500 |
| 11.919 | H | Iraqia TV | 27500 |
| 11.919 | H | Poet | 27500 |
| ● 11.919 | H | STV | 27500 |
| ● 11.919 | H | Test | 27500 |
| 11.919 | H | UNIV2 | 27500 |
| 11.919 | H | Waseet EL-Khair | 27500 |
| 11.919 | H | Yemen | 27500 |
| 11.919 | H | AlAlam Radio1 | 27500 |
| 11.919 | H | DAR ALSALAM Radio | 27500 |
| 11.919 | H | NIS Cesium | 27500 |
| 11.919 | H | Test | 27500 |
| 11.919 | H | Yemen R1 | 27500 |
| 11.919 | H | Yemen R2 | 27500 |
| 11.938 | V | AL AQARIYA | 27500 |
| 11.938 | V | AL EQTISADIA TV | 27500 |
| 11.938 | V | Alarabiya | 27500 |
| 11.938 | V | CITRUSS TV | 27500 |
| 11.938 | V | HAWAS TV | 27500 |
| 11.938 | V | MBC Action | 27500 |
| ● 11.938 | V | MBC MAX | 27500 |
| 11.938 | V | MBC1 | 27500 |
| 11.938 | V | MBC2 | 27500 |
| 11.938 | V | MBC3 | 27500 |
| 11.938 | V | MBC4 | 27500 |
| 11.938 | V | ZEE AFLAM | 27500 |
| 11.938 | V | Jeddah FM | 27500 |
| 11.938 | V | MBC FM | 27500 |
| 11.938 | V | MBC FM ER | 27500 |
| 11.938 | V | Panjordan | 27500 |
| 11.938 | V | Panorama FM | 27500 |
| 11.938 | V | Riyadh FM | 27500 |
| 11.957 | H | PrSPR | 27500 |
| 11.957 | H | SPRT1 | 27500 |
| 11.957 | H | SPRT2 | 27500 |
| 11.957 | H | SPRT3 | 27500 |
| 11.957 | H | SPRT4 | 27500 |
| 11.957 | H | SPRT5 | 27500 |
| 11.957 | H | SPRT6 | 27500 |
| 11.957 | H | SPRT7 | 27500 |
| 11.957 | H | SPRT8 | 27500 |
| 11.957 | H | SPRT9 | 27500 |
| 11.957 | H | TBO | 27500 |
| 11.976 | V | Bloomberg | 27500 |
| ● 11.976 | V | Concierge TV | 27500 |
| 11.976 | V | Fashion TV | 27500 |
| 11.976 | V | MBC+ | 27500 |
| 11.976 | V | ShowCinema 1 | 27500 |
| 11.976 | V | ShowCinema 2 | 27500 |
| 11.976 | V | ShowCinema 3 | 27500 |
| 11.976 | V | SOD | 27500 |
| 11.976 | V | Style Network | 27500 |
| 11.976 | V | T2010 | 27500 |
| 11.976 | V | Future News | 27500 |
| 11.976 | V | MTV Arabia | 27500 |
| 11.976 | V | Sharjah TV3 | 27500 |
| 11.976 | V | Wanasah | 27500 |
| 11.996 | H | ShowComedy | 27500 |
| 11.996 | H | ShowMovies 1 | 27500 |
| 11.996 | H | ShowMovies 2 | 27500 |
| 11.996 | H | ShowMovies Act | 27500 |
| 11.996 | H | ShowMovies Com | 27500 |
| 11.996 | H | ShowMovies Kids | 27500 |
| 11.996 | H | ShowSeries | 27500 |
| 11.996 | H | ShowSeries Extra | 27500 |
| 11.996 | H | Showsports 1 | 27500 |
| 11.996 | H | Showsports 2 | 27500 |
| 11.996 | H | Showsports 3 | 27500 |
| 11.996 | H | Showsports 4 | 27500 |
| 12.015 | V | 2M Maroc | 27500 |
| 12.015 | V | A1 Shop | 27500 |
| 12.015 | V | Al Jazeera Internati | 27500 |
| 12.015 | V | Alafasy | 27500 |
| ● 12.015 | V | Alhayat 2 | 27500 |
| 12.015 | V | CCTV9 | 27500 |
| 12.015 | V | El-Emarah | 27500 |
| 12.015 | V | Medi1 Sat | 27500 |
| 12.015 | V | Melody Arabia | 27500 |
| 12.015 | V | Shababiyah | 27500 |
| 12.015 | V | Smile TV | 27500 |
| 12.015 | V | Space power | 27500 |
| 12.015 | V | Strike | 27500 |
| 12.015 | V | Medi1 | 27500 |
| 12.034 | H | Aflam 1 | 27500 |
| 12.034 | H | Aflam 2 | 27500 |
| ● 12.034 | H | ART AlZaeem | 27500 |
| 12.034 | H | BNTV | 27500 |
| 12.034 | H | Cinema | 27500 |
| 12.034 | H | Hekayat | 27500 |
| 12.034 | H | Hekayat Kaman | 27500 |
| 12.034 | H | Hekayat Zaman | 27500 |
| 12.034 | H | Tarab | 27500 |
| ● 12.034 | H | VIP 1 | 27500 |
| 12.034 | H | ARTMW | 27500 |
| 12.034 | H | Iqraa | 27500 |
| 12.034 | H | Jordan | 27500 |
| 12.034 | H | JSC | 27500 |
| 12.034 | H | Melody Aflam | 27500 |
| 12.034 | H | ARZKR | 27500 |
| 12.053 | V | AD Sport TV | 27500 |
| 12.053 | V | Al Bait | 27500 |
| 12.053 | V | AL Zahabiya | 27500 |
| 12.053 | V | Al-Alam | 27500 |
| 12.053 | V | Al-Majd3 | 27500 |
| 12.053 | V | ALKASS TV | 27500 |
| 12.053 | V | Anwar | 27500 |
| 12.053 | V | Bedaya | 27500 |
| 12.053 | V | GHINWA | 27500 |
| 12.053 | V | Hannibal | 27500 |
| 12.053 | V | Hi TV | 27500 |
| 12.053 | V | Mara7 TV | 27500 |
| ● 12.053 | V | Mersal TV | 27500 |
| 12.053 | V | OTV | 27500 |
| 12.053 | V | Rotana Zaman | 27500 |
| 12.053 | V | Selevision Data Comm | 27500 |
| 12.053 | V | DAL | 27500 |
| 12.073 | H | BBC Food | 27500 |
| 12.073 | H | Boomerang | 27500 |
| 12.073 | H | Cartoon Network | 27500 |
| ● 12.073 | H | CNBC | 27500 |
| 12.073 | H | Discovery World | 27500 |
| 12.073 | H | Hallmark | 27500 |
| 12.073 | H | MTV Music | 27500 |
| 12.073 | H | Show Kids | 27500 |
| 12.073 | H | T433 | 27500 |
| 12.073 | H | TCM | 27500 |
| 12.073 | H | Travel Channel | 27500 |
| 12.073 | H | Vh1 | 27500 |
| 12.073 | H | CNN | 27500 |
| 12.130 | V | AL JADEED | 27500 |
| 12.130 | V | Heya | 27500 |
| 12.130 | V | LBC SAT | 27500 |
| 12.130 | V | MANAR | 27500 |
| 12.130 | V | Mega TV | 27500 |
| 12.130 | V | NBN | 27500 |
| 12.130 | V | Rotana | 27500 |
| 12.130 | V | Rotana Clip | 27500 |
| 12.130 | V | Rotana Khalijiah | 27500 |
| 12.130 | V | Rotana Tarab | 27500 |
| 12.130 | V | Sumaria | 27500 |
| 12.130 | V | Leb Radio 3 | 27500 |
| 12.130 | V | Leb Radio4 | 27500 |
| 12.130 | V | Leb Radio6 | 27500 |
| 12.130 | V | NOUR | 27500 |
| 12.130 | V | RFI | 27500 |
| 12.130 | V | Sumer FM | 27500 |
| 12.149 | H | Al-EKhbaria | 27500 |
| 12.149 | H | Saudi Sport | 27500 |
| 12.149 | H | Saudi TV | 27500 |
| 12.149 | H | Saudi-1 | 27500 |
| 12.149 | H | Saudi-2 | 27500 |
| 12.149 | H | European | 27500 |
| 12.149 | H | Holy Quran | 27500 |
| 12.149 | H | Radio-5 | 27500 |
| 12.149 | H | Saudi Radio-1 | 27500 |
| 12.149 | H | Saudi Radio-2 | 27500 |
| 12.206 | V | Al Danah | 27500 |
| 12.206 | V | Al-Zaeem | 27500 |
| 12.206 | V | ALhayat | 27500 |
| 12.206 | V | ALSahraa | 27500 |
| 12.206 | V | Arriadia | 27500 |
| 12.206 | V | Assadissa | 27500 |
| 12.206 | V | BBC Arabic | 27500 |
| 12.206 | V | France 24 | 27500 |
| 12.206 | V | LAYALI | 27500 |
| 12.206 | V | Nessma TV | 27500 |
| 12.206 | V | Qatar1 | 27500 |
| 12.206 | V | TV A3 | 27500 |
| 12.206 | V | Chaine 1 | 27500 |
| 12.206 | V | Chaine 3 | 27500 |
| 12.206 | V | Radio International | 27500 |
| 12.226 | H | AGHANI TV | 27500 |
| 12.226 | H | Ajman TV | 27500 |
| 12.226 | H | AL DEERA TV | 27500 |
| 12.226 | H | ARABIAN TRAVEL TV | 27500 |
| 12.226 | H | Awtar TV | 27500 |
| 12.226 | H | BOROUZ TV | 27500 |
| 12.226 | H | FAWASEL TV | 27500 |
| 12.226 | H | GEAR ONE | 27500 |
| 12.226 | H | Infinity TV | 27500 |
| 12.226 | H | Libra TV | 27500 |
| 12.226 | H | NOJOOM 2 | 27500 |
| 12.226 | H | NOJOOM 4 | 27500 |
| ● 12.226 | H | NOOR DUBAI | 27500 |
| 12.226 | H | Sharjah TV 2 | 27500 |
| 12.226 | H | AJMAN CH 4 FM | 27500 |
| 12.284 | V | JSC Sports +1 | 27500 |
| 12.284 | V | JSC Sports +2 | 27500 |
| 12.284 | V | JSC Sports +3 | 27500 |
| ● 12.284 | V | JSC Sports +4 | 27500 |
| 12.284 | V | JSC Sports 1 | 27500 |
| 12.284 | V | JSC Sports 2 | 27500 |
| 12.302 | H | Kairali | 27500 |

**TV** Digital | **Radio** Digital | **TV** Digital Crypt | **Radio** Digital Crypt | **TV** High Definition | **TV** High Definition Crypt

| Freq GHz | Pol | Channel Name | Symbol rate |
|---|---|---|---|
| 12.302 | H | NEOSP | 27500 |
| ● 12.302 | H | Prime Sport Arabia | 27500 |
| 12.302 | H | Shara1 | 27500 |
| ● 12.302 | H | TBO | 27500 |
| 12.302 | H | A1TV | 27500 |
| 12.302 | H | Al Diyar | 27500 |
| 12.302 | H | ALHAKEKA | 27500 |
| 12.302 | H | Dawn News | 27500 |
| 12.302 | H | FM | 27500 |
| 12.302 | H | FutureTV | 27500 |
| 12.302 | H | ISHTAR TV | 27500 |
| 12.302 | H | LBC EU | 27500 |
| 12.302 | H | Nourmina | 27500 |
| 12.302 | H | Seven Stars | 27500 |
| 12.302 | H | AYYAM FM | 27500 |
| 12.302 | H | Rotana Radio Jordan | 27500 |
| 12.302 | H | SPIN JORDAN | 27500 |
| ● 10.775 | H | AL Dawliya | 27500 |
| 10.775 | H | Al Qethara | 27500 |
| 10.775 | H | Al Waseet | 27500 |
| 10.775 | H | ALGHADEER | 27500 |
| 10.775 | H | ALSeha Waljamal | 27500 |
| 10.775 | H | ALWASL | 27500 |
| ● 10.775 | H | Cairo Cinema | 27500 |
| 10.775 | H | Dewan Al Arab | 27500 |
| 10.775 | H | Hannibal AlFardos | 27500 |
| ● 10.775 | H | Iraqi EDU | 27500 |
| 10.775 | H | Nickelodeon TV | 27500 |
| 10.775 | H | Panorama Drama 2 | 27500 |
| 10.775 | H | Test-13 | 27500 |
| 10.775 | H | Test-14 | 27500 |

**Europe**
**ATLANTIC BIRD 3**
**355.0 East (5.0 West)**

EUTAB3SB

| Freq GHz | Pol | Channel Name | Symbol rate |
|---|---|---|---|
| 10.975 | V | OIV Feed 3 (OIV Fe | 2894 |
| 10.975 | V | OIV Feed 3 (Radio | 2894 |
| 11.064 | H | BOUCHAOUI_TDA3 | 16270 |
| 11.064 | H | PROGRAMME NATIONA | 16270 |
| 11.064 | H | A3 | 16270 |
| 11.064 | H | CANAL ALGERIE | 16270 |
| 11.064 | H | CHAINE 1 | 16270 |
| 11.064 | H | CHAINE 2 | 16270 |
| 11.064 | H | CHAINE 3 | 16270 |
| 11.064 | H | RADIO INTERNATION | 16270 |
| 11.064 | H | Radio20 | 16270 |
| 11.064 | H | SAHEL | 16270 |
| 11.070 | V | ELPITEL MCR | 3214 |
| 11.455 | V | TMC | 6666 |
| 11.512 | V | BFM | 29950 |
| 11.512 | V | CINE FIRST | 29950 |
| 11.512 | V | CINE FX | 29950 |
| 11.512 | V | CINE POLAR | 29950 |
| 11.512 | V | Direct 8 | 29950 |
| 11.512 | V | France 4 | 29950 |
| 11.512 | V | France O | 29950 |
| 11.512 | V | GULLI | 29950 |
| 11.512 | V | NRJ12 | 29950 |
| 11.512 | V | O. sport info | 29950 |
| 11.512 | V | TMC | 29950 |
| 11.512 | V | VIDEOCLICK | 29950 |
| 11.512 | V | Virgin 17 | 29950 |
| 11.512 | V | DORCEL TV | 29950 |
| 11.512 | V | KTO | 29950 |
| 11.512 | V | TV8 Mont Blanc | 29950 |
| 11.554 | V | ARTE HD | 29950 |
| 11.554 | V | AB 1 | 29950 |
| 11.554 | V | AB MOTEURS | 29950 |
| 11.554 | V | ACTION | 29950 |
| 11.554 | V | CHASSE ET PECHE | 29950 |
| 11.554 | V | ESCALES | 29950 |
| 11.554 | V | MANGAS | 29950 |
| 11.554 | V | NT1 | 29950 |
| 11.554 | V | RTL9 | 29950 |
| 11.554 | V | TF1 | 29950 |
| 11.554 | V | Toute l'Histoire | 29950 |
| 11.554 | V | TV5MONDE FBS | 29950 |
| 11.554 | V | XXL | 29950 |
| 11.554 | V | BIS TV | 29950 |
| ● 11.554 | V | RCF | 29950 |
| ● 11.554 | V | RCF01_PAYS_DE_L_A | 29950 |
| ● 11.554 | V | RCF05 HAUTE-ALPES | 29950 |
| ● 11.554 | V | RCF07_VIVARAIS | 29950 |
| ● 11.554 | V | RCF11_PAYS_D_AUDE | 29950 |
| ● 11.554 | V | RCF18_BERRY | 29950 |
| ● 11.554 | V | RCF19_CORREZE | 29950 |
| ● 11.554 | V | RCF21 PARABOLE DI | 29950 |
| ● 11.554 | V | RCF26 | 29950 |
| ● 11.554 | V | RCF33 BORDEAUX | 29950 |
| ● 11.554 | V | RCF37 SAINT-MARTI | 29950 |
| ● 11.554 | V | RCF41 | 29950 |
| ● 11.554 | V | RCF43_LE_PUY_EN_V | 29950 |
| ● 11.554 | V | RCF51 REIMS ARDEN | 29950 |
| ● 11.554 | V | RCF54 JERICO NANC | 29950 |
| ● 11.554 | V | RCF69_LYON_FOURVI | 29950 |
| ● 11.554 | V | RCF73_SAVOIE | 29950 |
| ● 11.554 | V | RCF74 HAUTE-SAVOI | 29950 |
| ● 11.554 | V | RCF76 HAUTE-NORMA | 29950 |
| ● 11.554 | V | RCF84_LUMIERES | 29950 |
| 11.590 | V | ARTE | 20000 |
| 11.590 | V | France 2 | 20000 |
| 11.590 | V | France 3 | 20000 |
| 11.590 | V | France 5 | 20000 |
| 11.590 | V | LCP | 20000 |
| 11.609 | V | France3 Grenoble | 6944 |
| 11.609 | V | ViaStella | 6944 |
| 11.675 | V | Disney Channel - Pre | 27000 |
| 11.675 | V | Disney Channel+1 - P | 27000 |
| 11.675 | V | Joi - Premium Galler | 27000 |
| 11.675 | V | Joi+1 - Premium Gall | 27000 |
| 11.675 | V | Mya - Premium Galler | 27000 |
| 11.675 | V | Mya+1 - Premium Gall | 27000 |
| 11.675 | V | Servizio 14 | 27000 |
| 11.675 | V | Servizio 16 | 27000 |
| 11.675 | V | Servizio 17 | 27000 |
| 11.675 | V | Servizio 18 | 27000 |
| 11.675 | V | Steel - Premium Gall | 27000 |
| 11.675 | V | Steel+1 - Premium Ga | 27000 |
| 11.675 | V | Servizio 13 | 27000 |
| 11.675 | V | Servizio 20 | 27000 |
| 11.675 | V | Servizio M_e | 27000 |
| 12.543 | H | Fox Life | 27500 |
| 12.543 | H | MCM BELGIQUE | 27500 |
| 12.543 | H | GCPE1 | 27500 |
| 12.543 | H | GCPE2 | 27500 |
| 12.543 | H | Lloyds Live | 27500 |
| 12.543 | H | Spar Live | 27500 |
| 12.543 | H | CAPYTOL | 27500 |
| 12.543 | H | FIP Region | 27500 |
| 12.543 | H | France Bleu Frequenz | 27500 |
| 12.543 | H | France Bleu IdF | 27500 |
| 12.543 | H | France Bleu Modulati | 27500 |
| 12.543 | H | Prod.31 (BUT) | 27500 |
| 12.543 | H | Prod.31 (GIFI) | 27500 |
| 12.543 | H | Prod.31 CONFO | 27500 |
| 12.543 | H | Radio Soleil | 27500 |
| 12.543 | H | RF contribution | 27500 |
| 12.640 | H | PINK SUI | 2315 |

EUTAB3WB

| Freq GHz | Pol | Channel Name | Symbol rate |
|---|---|---|---|
| ● 12.614 | H | SEX ON TV CRYSTAL | 8790 |
| 12.614 | H | SEX ON TV DIAMOND | 8790 |
| 12.614 | H | SEX ON TV GOLD | 8790 |
| ● 12.614 | H | SEX ON TV SYLVER | 8790 |
| ● 12.614 | H | SEX ON TV CLASSIC | 8790 |
| 12.614 | H | TAPESH TV2 | 8790 |
| 12.711 | H | PINK SUI | 40000 |
| ● 11.471 | V | M6 | 29950 |
| ● 11.471 | V | Orange cine choc | 29950 |
| ● 11.471 | V | Orange cine geants | 29950 |
| ● 11.471 | V | Orange cine happy | 29950 |
| ● 11.471 | V | Orange cine max | 29950 |
| ● 11.471 | V | Orange cine novo | 29950 |
| ● 11.471 | V | Orange cinema series | 29950 |
| ● 11.471 | V | Orange Foot | 29950 |
| ● 11.471 | V | W9 | 29950 |
| ● 12.615 | H | SEX ON TV CRYSTAL | 8789 |
| 12.615 | H | SEX ON TV DIAMOND | 8789 |
| 12.615 | H | SEX ON TV GOLD | 8789 |
| ● 12.615 | H | SEX ON TV SYLVER | 8789 |
| ● 12.615 | H | SEX ON TV CLASSIC | 8789 |
| 12.615 | H | TAPESH TV2 | 8789 |

**Africa, Europe, Middle America**
**C-Band: ATLANTIC BIRD 3**
**355.1 East (4.9 West)**

EUTAB3TA

| Freq GHz | Pol | Channel Name | Symbol rate |
|---|---|---|---|
| ● 3.646 | R | Tele Sahel (Match) | 2170 |
| 3.656 | R | KTN NGONG ENC B | 2892 |
| 3.711 | L | CRTV | 2785 |
| 3.727 | R | CFIAFRPRO1 | 29950 |
| 3.727 | R | CFIAFRPRO2 | 29950 |
| 3.727 | R | CFIAMEPRO | 29950 |
| 3.727 | R | RFI Newzik | 29950 |
| 3.727 | R | DOM 1 | 29950 |
| 3.727 | R | DOM 2 | 29950 |
| 3.727 | R | DOM 3 | 29950 |
| 3.727 | R | DOM 4 | 29950 |
| 3.727 | R | DOM 5 | 29950 |
| 3.727 | R | DOM 6 | 29950 |
| 3.727 | R | DOM 7 | 29950 |
| 3.727 | R | DOM 8 | 29950 |
| ● 3.727 | R | DW-TV- AFRICA | 29950 |
| 3.727 | R | RFI Francais | 29950 |
| 3.727 | R | RFI Test | 29950 |
| 3.727 | R | CFI Audio 1 | 29950 |
| 3.727 | R | CFI Audio 2 | 29950 |
| 3.727 | R | CFI Audio 3 | 29950 |
| 3.727 | R | DW 01 | 29950 |
| 3.727 | R | DW 02 | 29950 |
| 3.727 | R | DW 04 | 29950 |
| 3.727 | R | DW 05 | 29950 |
| 3.727 | R | DW 06 | 29950 |
| 3.727 | R | DW 08 | 29950 |
| 3.727 | R | DW 09 | 29950 |
| 3.727 | R | RCI 3 | 29950 |
| 3.727 | R | RFI AF Centrale | 29950 |
| 3.727 | R | RFI Bissau | 29950 |
| 3.727 | R | RFI Cameroun | 29950 |
| 3.727 | R | RFI Cap Vert | 29950 |
| 3.727 | R | RFI Divers 1 | 29950 |
| 3.727 | R | RFI Divers 2 | 29950 |
| 3.727 | R | RFI Divers 3 | 29950 |
| 3.727 | R | RFI Gambie | 29950 |
| 3.727 | R | RFI Ghana | 29950 |
| ● 3.727 | R | RFI Haussa | 29950 |
| 3.727 | R | RFI Kenya | 29950 |
| 3.727 | R | RFI Langues 1 | 29950 |
| 3.727 | R | RFI Langues 2 | 29950 |
| 3.727 | R | RFI Lesotho | 29950 |
| 3.727 | R | RFI Liberia | 29950 |
| 3.727 | R | RFI Madagascar | 29950 |
| 3.727 | R | RFI Malabo Pico | 29950 |
| 3.727 | R | RFI Malabo Ville | 29950 |
| 3.727 | R | RFI Mozambique | 29950 |
| 3.727 | R | RFI Musique | 29950 |
| 3.727 | R | RFI Namibie | 29950 |
| 3.727 | R | RFI Niamey | 29950 |
| 3.727 | R | RFI Niger | 29950 |
| 3.727 | R | RFI Nord Cameroun | 29950 |
| 3.727 | R | RFI Ocean Indien | 29950 |
| 3.727 | R | RFI Ouganda | 29950 |
| 3.727 | R | RFI Rmc | 29950 |
| 3.727 | R | RFI Rwanda | 29950 |
| 3.727 | R | RFI Sao Tome | 29950 |
| 3.727 | R | RFI Senegal | 29950 |
| 3.727 | R | RFI Sierra Leone | 29950 |
| 3.727 | R | RFI Tanzanie | 29950 |
| 3.727 | R | RFI Tchad | 29950 |
| 3.727 | R | RFI WS Ouest | 29950 |
| 3.727 | R | RFI WS Sud | 29950 |
| 3.727 | R | RFI Zambie | 29950 |
| ● 3.727 | R | RTBF | 29950 |
| 4.157 | L | RTN GABON | 8010 |
| 4.157 | L | TV1 GABON | 8010 |
| 4.157 | L | TV2 GABON | 8010 |
| 4.157 | L | RADIO AFRICA+ | 8010 |
| 4.157 | L | RADIO AFRICA1 | 8010 |
| 4.157 | L | RADIO GABON | 8010 |
| 4.159 | R | AL BADEEL | 20330 |
| 4.159 | R | AL HEDAYA | 20330 |
| 4.159 | R | AL-MONOWA | 20330 |
| 4.159 | R | ALNADI | 20330 |
| 4.159 | R | ATTAWASUL | 20330 |
| 4.159 | R | Jamahiriya Sat Chann | 20330 |
| 4.159 | R | Libya Sport ( Riadi | 20330 |
| 4.159 | R | LY LJB | 20330 |

**Europe**
**AMOS 2,3**
**356.0 East (4.0 West)**

| Freq GHz | Pol | Channel Name | Symbol rate |
|---|---|---|---|
| 10.842 | H | Animal Planet | 27500 |
| 10.842 | H | Antena 1 | 27500 |
| 10.842 | H | AXN Sci-Fi | 27500 |
| 10.842 | H | Boomerang | 27500 |
| 10.842 | H | Discovery | 27500 |
| 10.842 | H | Eurosport 2 | 27500 |
| 10.842 | H | MTV Dance | 27500 |
| 10.842 | H | MTV Hits | 27500 |
| 10.842 | H | National TV | 27500 |
| 10.842 | H | Prima TV | 27500 |
| 10.842 | H | Realitatea TV | 27500 |
| 10.842 | H | Science | 27500 |
| 10.842 | H | Travel & Liv. | 27500 |
| 10.842 | H | U TV | 27500 |
| 10.842 | H | VH 1 | 27500 |
| 10.842 | H | World | 27500 |
| 10.842 | H | Boom Music | 27500 |
| 10.842 | H | Radio Guerrilla | 27500 |
| 10.842 | H | Sport Total | 27500 |
| ● 10.925 | H | XXX Xtreme | 27500 |
| 10.925 | H | Boom Action | 27500 |
| ● 10.925 | H | Boom Cinema | 27500 |
| 10.925 | H | Boom Comedy | 27500 |
| 10.925 | H | Boom Drama | 27500 |
| 10.925 | H | Boom Hop! | 27500 |
| 10.925 | H | Boom Indian | 27500 |
| ● 10.925 | H | Boom Sport One | 27500 |
| ● 10.925 | H | Boom Sport Two | 27500 |
| 10.925 | H | Extreme Sports | 27500 |
| 10.925 | H | Favorit TV | 27500 |
| 10.925 | H | Kanal D | 27500 |
| 10.925 | H | Nat. Geographic | 27500 |
| ● 10.925 | H | Playboy | 27500 |
| 10.925 | H | Smarty | 27500 |
| 10.925 | H | Sport Klub Ro | 27500 |
| 10.925 | H | Sport.Ro | 27500 |
| 10.925 | H | TVR Cultural | 27500 |
| 10.925 | H | Viasat History | 27500 |
| 11.122 | H | TV Amna RA x | 1852 |
| 11.260 | H | 4, a storyteve | 27500 |
| 11.260 | H | anime+ Hungary | 27500 |
| 11.260 | H | anime+ Romania | 27500 |
| 11.260 | H | Filmmuzeum | 27500 |
| 11.260 | H | hirTV | 27500 |
| 11.260 | H | Minimax Hun/A+ | 27500 |
| 11.260 | H | Minimax Rom/A+ | 27500 |
| 11.260 | H | Pax TV | 27500 |
| 11.260 | H | Ch#2 | 27500 |
| 11.260 | H | Minimax Hungary | 27500 |
| 11.260 | H | Minimax Romania | 27500 |
| 11.260 | H | Minimax Serbia | 27500 |
| 11.260 | H | Telemedia 2 | 27500 |
| 11.260 | H | Telemedia 3 | 27500 |
| 11.260 | H | Telemedia 6 | 27500 |
| 11.260 | H | Gong Radio | 27500 |
| 11.260 | H | Juventus Radio | 27500 |
| 11.260 | H | jazzradio.hu | 27500 |
| 11.303 | H | ATV | 19540 |
| 11.303 | H | Comedy Central | 19540 |
| 11.303 | H | SK PL | 19540 |
| 11.303 | H | SK PL + | 19540 |
| 11.303 | H | Sportklub | 19540 |
| 11.303 | H | Vitál TV | 19540 |
| 11.303 | H | Radio1 | 19540 |
| 11.303 | H | Katolikus Radio | 19540 |
| 11.324 | H | NET TV | 3350 |
| 11.333 | H | HTV-RT | 3500 |
| 11.347 | H | TMT | 2800 |
| ● 11.351 | H | CROATEL DSNG | 3350 |
| 11.359 | H | NOVA TV | 3350 |
| 11.423 | H | 5KANALAS | 2892 |
| 11.427 | H | NTV HAYAT BIH | 5926 |
| 11.427 | H | NTV HAYAT SAT | 5926 |
| 11.427 | H | Radio Stari Grad | 5926 |
| 11.435 | H | TV Oltenia | 2089 |
| 11.443 | H | TVRM | 4165 |
| 11.443 | H | RRM | 4165 |
| 11.560 | H | BBC World | 13400 |
| 11.560 | H | CNN | 13400 |
| 11.560 | H | Duna TV | 13400 |
| 11.560 | H | Money Channel | 13400 |
| 11.560 | H | MTV ro | 13400 |
| 11.560 | H | Music Max Adult | 13400 |
| 11.560 | H | MusicMax | 13400 |
| 11.560 | H | OTV | 13400 |
| 11.560 | H | ProTV Intl | 13400 |
| 11.560 | H | Taraf TV | 13400 |
| ● 11.575 | H | FRENCH LOVER TV | 8887 |
| 11.575 | H | CNL Sibria | 8887 |
| 11.575 | H | CNL Ukraine | 8887 |
| 11.575 | H | LIFE TV Estonia | 8887 |
| ● 11.575 | H | TBN Russia | 8887 |
| 11.586 | H | Carli TV | 7958 |
| 11.586 | H | Golica | 7958 |
| 11.586 | H | MTV Adria | 7958 |
| 11.591 | V | ARTE | 20000 |
| 11.591 | V | France 2 | 20000 |
| 11.591 | V | France 3 | 20000 |
| 11.591 | V | France 5 | 20000 |
| 11.591 | V | LCP | 20000 |

AMO002EU

| Freq GHz | Pol | Channel Name | Symbol rate |
|---|---|---|---|
| ● 10.722 | H | {Empty Name} | 27500 |
| 10.759 | H | ICTV | 30000 |
| 10.759 | H | KIEV STB | 30000 |
| 10.759 | H | M1 | 30000 |
| 10.759 | H | M2 | 30000 |
| 10.759 | H | MTV UKRAINE | 30000 |
| 10.759 | H | NEWS 24 | 30000 |
| 10.759 | H | QTV | 30000 |
| 10.759 | H | TONIS | 30000 |
| 10.759 | H | Radio Antoshka | 30000 |
| 10.806 | H | Cinemax 2 Bulgaria | 27500 |
| 10.806 | H | Cinemax 2 Czech | 27500 |
| 10.806 | H | Cinemax 2 Hungary | 27500 |
| 10.806 | H | Cinemax 2 Internatio | 27500 |
| 10.806 | H | Cinemax 2 Poland | 27500 |
| 10.806 | H | Cinemax 2 Romania | 27500 |
| 10.806 | H | Cinemax Bulgaria | 27500 |
| 10.806 | H | Cinemax Czech | 27500 |
| 10.806 | H | Cinemax Hungary | 27500 |
| ● 10.806 | H | Cinemax Internationa | 27500 |
| 10.806 | H | Cinemax Poland | 27500 |
| 10.806 | H | Cinemax Romania | 27500 |
| 10.806 | H | Comedy Adria Bulgari | 27500 |
| 10.806 | H | Comedy Adria Croatia | 27500 |
| 10.806 | H | Comedy Adria Interna | 27500 |
| 10.806 | H | Comedy Adria Serbia | 27500 |
| 10.806 | H | Comedy Adria Sloveni | 27500 |
| 10.806 | H | HBO Adria Bulgaria | 27500 |
| 10.806 | H | HBO Adria Croatia | 27500 |
| 10.806 | H | HBO Adria for DTH | 27500 |
| 10.806 | H | HBO Adria Serbia | 27500 |
| 10.806 | H | HBO Adria Slovenia | 27500 |
| 10.806 | H | HBO Adria Test | 27500 |
| 10.806 | H | HBO Comedy Czech | 27500 |
| 10.806 | H | HBO Comedy Hungary | 27500 |
| 10.806 | H | HBO Comedy Internati | 27500 |
| 10.806 | H | HBO Comedy Romania | 27500 |
| 10.806 | H | HBO Czech | 27500 |
| 10.806 | H | HBO Czech (AC3) | 27500 |
| 10.806 | H | HBO Czech Original | 27500 |
| 10.806 | H | HBO Hungary | 27500 |
| 10.806 | H | HBO Hungary (AC3) | 27500 |
| 10.806 | H | HBO Hungary Origin | 27500 |
| 10.806 | H | HBO Romania | 27500 |
| 10.806 | H | HBO Romania (AC3) | 27500 |
| 10.806 | H | HBO2 Czech | 27500 |
| 10.806 | H | HBO2 for DTH | 27500 |
| 10.806 | H | HBO2 Hungary | 27500 |
| 10.806 | H | HBO2 OrigHu | 27500 |
| 10.806 | H | Spektrum | 27500 |
| 10.806 | H | OS Download | 27500 |
| 10.890 | H | Acasa TV | 27500 |
| 10.890 | H | Antena 3 | 27500 |
| 10.890 | H | AXN | 27500 |
| 10.890 | H | AXN Crime | 27500 |
| 10.890 | H | Cartoon Network | 27500 |
| 10.890 | H | Cinemax | 27500 |
| 10.890 | H | Euphoria | 27500 |
| 10.890 | H | Eurosport | 27500 |
| 10.890 | H | HBO Romania | 27500 |
| 10.890 | H | Jetix | 27500 |
| 10.890 | H | Pro Cinema | 27500 |
| 10.890 | H | PRO TV | 27500 |
| 10.890 | H | TCM | 27500 |
| 10.890 | H | TV 1000 | 27500 |
| 10.890 | H | TVR 1 | 27500 |
| 10.890 | H | TVR 2 | 27500 |
| 10.890 | H | Viasat Explorer | 27500 |
| 11.412 | H | HBO Comedy Poland | 7926 |
| 11.412 | H | HBO Pol Orig | 7926 |
| 11.412 | H | HBO Poland | 7926 |
| 11.412 | H | HBO Poland (AC3) | 7926 |
| 11.412 | H | HBO Poland for STB | 7926 |
| 11.412 | H | HBO2 Poland | 7926 |
| 11.412 | H | HBO2 Poland for ST | 7926 |
| 11.412 | H | HBO2 Poland Origin | 7926 |
| 11.412 | H | Subtitling test | 7926 |
| ● 11.412 | H | OS Download 2 | 7926 |
| 11.650 | H | Telesport | 21350 |
| 11.650 | H | B1 | 21350 |
| ● 11.650 | H | Canal 1 | 21350 |
| 11.650 | H | Ginx TV | 21350 |
| 11.650 | H | Good Life Channel | 21350 |
| 11.650 | H | Trinitas TV | 21350 |
| 11.650 | H | TV Neptun | 21350 |
| 11.650 | H | Radio Logos | 21350 |
| 11.650 | H | Radio Reintregirea | 21350 |
| ● 11.650 | H | Radio Trinitas | 21350 |
| ● 11.690 | H | Gumor TV | 7200 |
| 11.690 | H | MUSIC BOX | 7200 |
| 11.690 | H | REAL ESTATE TV | 7200 |
| ● 10.723 | V | RTL Klub | 30000 |
| ● 10.723 | V | tv2 | 30000 |
| ● 10.759 | V | Eurosport HD | 30000 |
| ● 10.759 | V | HBO HD | 30000 |
| ● 10.759 | V | History HD | 30000 |
| ● 10.759 | V | NatGeo HD | 30000 |
| ● 10.759 | V | mr1-Kossuth | 30000 |
| ● 10.759 | V | mr2-Petőfi | 30000 |
| ● 10.759 | V | mr3-Bartók | 30000 |
| 11.177 | H | TVRM | 4165 |
| 11.177 | H | RRM | 4165 |
| 11.179 | H | TVRM | 6666 |
| 11.179 | H | TVRM Cultural | 6666 |
| 11.179 | H | RRM | 6666 |
| 11.319 | H | NATIONAL GEOGRAPH | 2750 |
| 11.338 | H | 5csatorna | 2600 |
| ● 11.557 | H | BBC World | 13400 |
| ● 11.557 | H | CNN | 13400 |
| ● 11.557 | H | Duna TV | 13400 |
| ● 11.557 | H | Money Channel | 13400 |
| ● 11.557 | H | MTV ro | 13400 |
| ● 11.557 | H | Music Max Adult | 13400 |
| ● 11.557 | H | MusicMax | 13400 |
| ● 11.557 | H | OTV | 13400 |
| ● 11.557 | H | ProTV Intl | 13400 |
| ● 11.557 | H | Taraf TV | 13400 |
| ● 12.543 | H | Fox Life | 27500 |
| ● 12.543 | H | MCM BELGIQUE | 27500 |
| ● 12.543 | H | GCPE1 | 27500 |
| ● 12.543 | H | Lloyds Live | 27500 |
| ● 12.543 | H | Spar Live | 27500 |
| ● 12.543 | H | CAPYTOL | 27500 |
| ● 12.543 | H | FIP Region | 27500 |
| ● 12.543 | H | France Bleu Frequenz | 27500 |
| ● 12.543 | H | France Bleu IdF | 27500 |
| ● 12.543 | H | France Bleu Modulati | 27500 |
| ● 12.543 | H | Prod.31 (BUT) | 27500 |
| ● 12.543 | H | Prod.31 (GIFI) | 27500 |
| ● 12.543 | H | Prod.31 CONFO | 27500 |
| ● 12.543 | H | Radio Soleil | 27500 |
| ● 12.543 | H | RF contribution | 27500 |

**Middle East**
**AMOS 1,2**
**356.1 East (3.9 West)**

| Freq GHz | Pol | Channel Name | Symbol rate |
|---|---|---|---|
| 10.972 | V | BBC Prime | 27500 |
| 10.972 | V | CNN | 27500 |
| 10.972 | V | DVDbox | 27500 |
| 10.972 | V | Star World | 27500 |
| 10.972 | V | Test Channel | 27500 |
| 10.972 | V | Viva Platina | 27500 |
| 10.972 | V | Yes Docu | 27500 |
| 10.972 | V | 90 FM | 27500 |
| 10.972 | V | Arabic IBA | 27500 |
| 10.972 | V | Radio 102FM | 27500 |
| 10.972 | V | Radio 103FM | 27500 |
| 10.972 | V | RADIO 88 FM | 27500 |
| 10.972 | V | Radio 99esc | 27500 |
| 10.972 | V | Radio darom | 27500 |
| 10.972 | V | Radio Galaz | 27500 |
| 10.972 | V | Radio Galgalaz | 27500 |
| 10.972 | V | Radio Jerusalem | 27500 |
| 10.972 | V | Radio K. Hamukika | 27500 |
| 10.972 | V | Radio Kol Hai | 27500 |
| 10.972 | V | Radio Kol Haiam Hado | 27500 |
| 10.972 | V | RADIO LEV HAMEDIN | 27500 |
| 10.972 | V | Radio Melodia | 27500 |
| 10.972 | V | Radio Reka | 27500 |
| 10.972 | V | Radio Reshet Alef | 27500 |
| 10.972 | V | Radio Reshet Bet | 27500 |
| 10.972 | V | Radio Reshet Gimel | 27500 |
| 10.972 | V | Radio rishon | 27500 |
| 10.972 | V | Radio Select | 27500 |
| 10.972 | V | Radios 100 FM | 27500 |
| 10.972 | V | Rodio Monitor | 27500 |
| 10.986 | H | FETV | 6666 |
| 10.986 | H | METV | 6666 |
| 10.986 | H | RADIO 3 | 6666 |
| 10.986 | H | RADIO 4 | 6666 |
| 10.986 | H | RADIO 5 | 6666 |
| 10.986 | H | RADIO 6 | 6666 |
| 10.986 | H | RADIO 7 | 6666 |
| 10.986 | H | Radio Love | 6666 |
| 10.986 | H | The Word | 6666 |
| 10.993 | H | Baki TV | 4850 |
| 10.993 | H | RR Sat Promo | 4850 |
| 11.008 | V | Mystic Channel | 27500 |
| 11.008 | V | Our Song | 27500 |
| 11.008 | V | Sport One | 27500 |
| 11.008 | V | Tech TV | 27500 |
| 11.008 | V | Testcard | 27500 |
| 11.008 | V | The Adult Channel | 27500 |
| 11.008 | V | ToV-TV | 27500 |
| 11.008 | V | TV5 | 27500 |
| 11.008 | V | Yes Casino | 27500 |
| 11.008 | V | Yes Play | 27500 |
| 11.008 | V | Yes Pulse | 27500 |
| 11.008 | V | Yes Weather | 27500 |
| 11.008 | V | GAME ONE | 27500 |
| 11.008 | V | Logic games | 27500 |
| 11.132 | V | KURDSAT | 3254 |
| 11.177 | V | IBA 10 | 8520 |
| 11.177 | V | IBA 2 | 8520 |
| 11.474 | V | DVDBox | 27500 |
| 11.474 | V | English League | 27500 |
| 11.474 | V | Hatchelet | 27500 |
| 11.474 | V | ISR WGames | 27500 |
| 11.474 | V | Music Box Rusia | 27500 |
| 11.474 | V | SAT 1 | 27500 |
| 11.474 | V | Yes Promo | 27500 |
| 11.474 | V | Xtreme play | 27500 |
| 11.510 | V | Biography | 27500 |
| 11.510 | V | DVDbox | 27500 |
| 11.510 | V | Good Life TV Network | 27500 |
| 11.510 | V | History Channel | 27500 |
| 11.510 | V | Israel Plus | 27500 |
| 11.510 | V | Sports 5+ | 27500 |
| 11.510 | V | TV Mall | 27500 |
| 11.510 | V | Yes news | 27500 |
| 11.510 | V | Yes Y | 27500 |
| 11.510 | V | Yesababa | 27500 |
| 11.558 | V | Adventure One | 27500 |
| 11.558 | V | Animal Planet | 27500 |
| 11.558 | V | Channel 3 | 27500 |
| 11.558 | V | Daystar | 27500 |
| 11.558 | V | E! | 27500 |
| 11.558 | V | English League | 27500 |
| 11.558 | V | Kids Channel | 27500 |
| 11.558 | V | M2 | 27500 |
| 11.558 | V | MCM TOP | 27500 |
| 11.558 | V | Nickelodeon | 27500 |
| 11.558 | V | Sat 3 | 27500 |
| 11.558 | V | Shopping | 27500 |
| 11.558 | V | TCM | 27500 |
| 11.558 | V | Yes Sport | 27500 |
| 11.558 | V | Yes Weekend | 27500 |
| 11.558 | V | Yes+ | 27500 |
| 11.592 | V | Channel 3 | 27500 |
| 11.592 | V | Disc-Science | 27500 |
| 11.592 | V | DVDbox | 27500 |
| 11.592 | V | EGO | 27500 |
| 11.592 | V | Eurosport | 27500 |
| 11.592 | V | Extreme Sport Channe | 27500 |
| 11.592 | V | Fox News | 27500 |
| 11.592 | V | Israeli Game | 27500 |
| 11.592 | V | Music 24 | 27500 |
| 11.592 | V | N. Geographic | 27500 |
| 11.592 | V | The Discovery Channe | 27500 |
| 11.592 | V | VH1 Classic | 27500 |
| 11.592 | V | Yes 2 | 27500 |
| 11.592 | V | Zee TV | 27500 |
| 11.677 | V | DVDbox | 27500 |
| 11.677 | V | Education Channel 33 | 27500 |
| 11.677 | V | ESPN | 27500 |
| 11.677 | V | MTV Base | 27500 |
| 11.677 | V | Open Channel | 27500 |
| 11.677 | V | Music Monitor | 27500 |
| 11.677 | V | Music Select | 27500 |

AMO002ME

| Freq GHz | Pol | Channel Name | Symbol rate |
|---|---|---|---|
| 10.720 | V | BBC World | 27500 |
| 10.720 | V | Cartoon Network | 27500 |
| 10.720 | V | DVDbox | 27500 |
| 10.720 | V | Eurosport News | 27500 |
| 10.720 | V | Interstar | 27500 |
| 10.720 | V | MBC | 27500 |
| 10.720 | V | METV | 27500 |
| 10.720 | V | Planeta sport | 27500 |
| 10.720 | V | Private Blue | 27500 |
| 10.720 | V | Pro TV | 27500 |
| 10.720 | V | RTM | 27500 |
| 10.720 | V | TVE | 27500 |
| 10.720 | V | Yes Anime | 27500 |
| 10.758 | V | ARTE | 27500 |
| 10.758 | V | CCTV 9 | 27500 |
| 10.758 | V | Channel 33 | 27500 |
| 10.758 | V | DVDbox | 27500 |
| 10.758 | V | Game One | 27500 |
| 10.758 | V | LBC | 27500 |
| 10.758 | V | Nashe Kino | 27500 |
| 10.758 | V | RTL | 27500 |
| 10.758 | V | RTR | 27500 |
| 10.758 | V | RTV International | 27500 |
| 10.758 | V | TVR International | 27500 |
| 10.758 | V | Yes Teleclub | 27500 |
| 10.803 | V | BBC Prime | 27500 |
| 10.803 | V | Channel 1 | 27500 |
| 10.803 | V | Channel 2 | 27500 |
| 10.803 | V | emtv test | 27500 |
| 10.803 | V | Fox News | 27500 |
| 10.803 | V | iAD | 27500 |
| 10.803 | V | Israel 10 | 27500 |
| 10.803 | V | Israel Plus | 27500 |
| 10.803 | V | Israeli Cinema | 27500 |
| 10.803 | V | ITV | 27500 |
| 10.803 | V | KIDS CHANNEL | 27500 |
| 10.803 | V | Nickeloden | 27500 |
| 10.803 | V | Playboy | 27500 |
| 10.803 | V | Testcard | 27500 |
| 10.803 | V | VIVA PLATINA | 27500 |
| 10.803 | V | Yes + | 27500 |
| 10.803 | V | Yes Docu | 27500 |
| 10.803 | V | Yes Stars | 27500 |
| 10.841 | V | Baby | 27500 |
| 10.841 | V | Good life TV Network | 27500 |
| 10.841 | V | Hallmark Israel | 27500 |
| 10.841 | V | HOP! | 27500 |
| 10.841 | V | Jetix | 27500 |
| 10.841 | V | MGM | 27500 |
| 10.841 | V | Open Channel | 27500 |
| 10.841 | V | Russian Music Box | 27500 |
| 10.841 | V | Shabat Soccer | 27500 |
| 10.841 | V | Sky NEws | 27500 |
| 10.841 | V | Sport 5 | 27500 |
| 10.841 | V | Viva Platina | 27500 |
| 10.841 | V | Yes 1 | 27500 |
| 10.841 | V | Yes 2 | 27500 |
| 10.841 | V | Yes 3 | 27500 |
| 10.841 | V | Yes 4 | 27500 |
| 10.889 | V | Abu-Dhabi | 27500 |
| 10.889 | V | Baby plus | 27500 |
| 10.889 | V | Bloomberg | 27500 |
| 10.889 | V | DVDbox | 27500 |
| 10.889 | V | Fox Sport | 27500 |
| 10.889 | V | France 2 | 27500 |
| 10.889 | V | Knesset | 27500 |
| 10.889 | V | MTV | 27500 |
| 10.889 | V | Reality TV | 27500 |
| 10.889 | V | Romantica | 27500 |
| 10.889 | V | The Egyptian Channel | 27500 |
| 10.889 | V | Yes India | 27500 |
| 10.924 | V | Aljazeera | 27500 |
| 10.924 | V | Canale 5 | 27500 |
| 10.924 | V | DVDbox | 27500 |
| 10.924 | V | GTV | 27500 |
| 10.924 | V | Jordan channel | 27500 |
| 10.924 | V | Karaoke Channel | 27500 |
| 10.924 | V | Mezzo | 27500 |
| 10.924 | V | NTV MIR | 27500 |
| 10.924 | V | Rotana | 27500 |
| 10.924 | V | Test RR sat | 27500 |
| 10.924 | V | The Adult channel | 27500 |
| 10.924 | V | TV5 | 27500 |
| 10.924 | V | VH1 | 27500 |
| 11.432 | V | FilmBOX | 4500 |
| 11.432 | V | Nonstop Kino | 4500 |

**North Europe**
**INTELSAT 10-2, THOR 3,5**
**359.0 East (1.0 West)**

INT10023

| Freq GHz | Pol | Channel Name | Symbol rate |
|---|---|---|---|
| 12.520 | V | DR1 Syd | 17500 |
| 12.520 | V | DR2 Syd | 17500 |
| 12.520 | V | NRK1 Reserve | 17500 |
| 12.520 | V | TV Finland | 17500 |
| 12.520 | V | DR Klassisk Syd | 17500 |
| 12.520 | V | DR P1 Syd | 17500 |
| 12.520 | V | DR P2 Syd | 17500 |
| 12.520 | V | DR P3 Syd | 17500 |
| 12.520 | V | DR P4 KBH Syd | 17500 |
| 12.520 | V | NRK AN Reserve | 17500 |
| 12.520 | V | NRK P1 Reserve | 17500 |
| 12.520 | V | Scandinavian Satelit | 17500 |
| 12.520 | V | Ylesat 1 | 17500 |
| 12.520 | V | Ylesat 2 | 17500 |
| 12.527 | H | Antena 3 | 27500 |
| 12.527 | H | ATV | 27500 |
| 12.527 | H | Cartoon Network | 27500 |
| 12.527 | H | Duna TV | 27500 |
| 12.527 | H | Euforia TV | 27500 |
| 12.527 | H | Favorit TV | 27500 |
| 12.527 | H | Hallmark CE | 27500 |
| 12.527 | H | Romantica Ro | 27500 |
| 12.527 | H | Sport Klub HU | 27500 |
| 12.527 | H | Sport Klub RO | 27500 |
| 12.527 | H | Sport ro | 27500 |
| ● 12.527 | H | Test 1 | 27500 |
| 12.527 | H | TVR2 | 27500 |
| 12.527 | H | Guerrilla | 27500 |
| 12.527 | H | InfoPRO | 27500 |
| 12.527 | H | Europa FM | 27500 |
| 12.527 | H | RadioVIBE | 27500 |
| 12.563 | H | 4 Story Tv | 27500 |
| 12.563 | V | B92 | 27500 |
| 12.563 | V | DoQ | 27500 |
| ● 12.563 | V | Fashion | 27500 |
| 12.563 | H | HBO 2 | 27500 |
| 12.563 | H | HBO Adria | 27500 |
| 12.563 | H | HBO Comedy Adria | 27500 |
| 12.563 | H | HBO Hungaria | 27500 |
| 12.563 | H | Jetix CE | 27500 |
| ● 12.563 | V | Kapital Network | 27500 |
| 12.563 | H | M1 | 27500 |
| 12.563 | H | M2 | 27500 |
| 12.563 | H | Minimax | 27500 |
| 12.563 | V | MTV Europe | 27500 |
| 12.563 | H | MTV Hungary | 27500 |
| ● 12.563 | V | Net TV | 27500 |
| 12.563 | H | Romantica Hu | 27500 |
| ● 12.563 | V | Service 10-1 | 27500 |
| 12.563 | H | Spektrum | 27500 |
| 12.563 | H | Sport 1 | 27500 |
| 12.563 | H | Sport 2 | 27500 |
| 12.563 | V | Sport Klub + | 27500 |
| 12.563 | V | Sport Klub Croatia | 27500 |
| 12.563 | V | TVR Cultural | 27500 |
| ● 12.563 | V | TVR3 | 27500 |
| 12.563 | H | Viva Tv | 27500 |
| 12.563 | H | Juventus Radio | 27500 |
| 12.563 | V | Radio Roadstar | 27500 |
| 12.563 | H | Roxy Radio | 27500 |
| 12.607 | V | Analog Tv | 27500 |
| 12.607 | H | Antena 2 | 27500 |
| 12.607 | V | CMC | 27500 |
| 12.607 | H | DigiFilm 1 | 27500 |
| 12.607 | H | DigiFilm 2 | 27500 |
| 12.607 | H | Discovery RO | 27500 |
| 12.607 | V | DM SAT | 27500 |
| 12.607 | H | Echo Tv | 27500 |
| 12.607 | H | Eurosport2 | 27500 |
| 12.607 | V | Galaksija | 27500 |
| ● 12.607 | H | GSP1 | 27500 |
| 12.607 | H | Kanal D | 27500 |
| 12.607 | V | MTV Adria | 27500 |
| 12.607 | H | Nat Geo CE | 27500 |
| 12.607 | V | NOVA TV | 27500 |
| 12.607 | V | OBN | 27500 |
| 12.607 | V | Otvorena TV | 27500 |
| 12.607 | H | Paprika | 27500 |
| 12.607 | H | Pro Cinema | 27500 |
| 12.607 | V | RTL Televizija | 27500 |
| 12.607 | V | RTS 1 | 27500 |
| 12.607 | V | RTS 2 | 27500 |
| ● 12.607 | V | Service 9-1 | 27500 |
| 12.607 | H | Taraf TV | 27500 |
| 12.607 | H | Travel | 27500 |
| 12.607 | V | Z 1 | 27500 |
| ● 12.607 | V | A 2 | 27500 |
| 12.607 | H | DigiTV Info | 27500 |
| 12.643 | H | Acasa | 27500 |
| 12.643 | V | Animal Planet CE | 27500 |
| 12.643 | H | AXN | 27500 |
| 12.643 | H | Cool TV | 27500 |
| 12.643 | V | Discovery Ch | 27500 |
| 12.643 | H | Film + | 27500 |
| 12.643 | V | Film + CE | 27500 |
| 12.643 | V | HBO CE | 27500 |
| 12.643 | H | Hir TV | 27500 |
| 12.643 | V | Joj | 27500 |
| 12.643 | V | Markiza | 27500 |
| 12.643 | V | Music Box | 27500 |
| 12.643 | H | National Geo | 27500 |
| ● 12.643 | V | NOVA Sport | 27500 |
| 12.643 | V | Ocko | 27500 |
| 12.643 | H | ProTV | 27500 |
| 12.643 | V | Reality CE | 27500 |
| 12.643 | H | RTL Klub | 27500 |
| 12.643 | V | TA 3 | 27500 |
| 12.643 | V | TV 2 | 27500 |
| 12.643 | H | Viasat 3 | 27500 |
| 12.643 | H | Viasat Explorer | 27500 |
| 12.643 | H | DDTV | 27500 |
| 12.643 | V | Pratech | 27500 |
| 12.643 | H | U | 27500 |
| 12.643 | V | National FM | 27500 |
| 12.643 | H | Radio S | 27500 |
| 12.643 | H | Sztar FM | 27500 |
| 12.643 | H | Radio 21 | 27500 |
| 12.687 | H | B1 | 27500 |
| 12.687 | V | CT1 | 27500 |
| 12.687 | V | CT2 | 27500 |
| 12.687 | V | CT4_SPORT | 27500 |
| 12.687 | H | Etno | 27500 |
| 12.687 | H | EuroSport | 27500 |
| 12.687 | H | Jetix | 27500 |
| ● 12.687 | V | JOJ Plus | 27500 |
| 12.687 | H | Minimax RO A+ | 27500 |
| 12.687 | H | N 24 | 27500 |
| 12.687 | H | National TV | 27500 |
| 12.687 | V | NOVA CZ | 27500 |
| 12.687 | H | Prima TV | 27500 |
| 12.687 | V | PRIMA_CZ | 27500 |
| 12.687 | V | Pro Tv International | 27500 |
| 12.687 | H | Realitatea TV | 27500 |
| 12.687 | V | Romantica CE | 27500 |
| 12.687 | V | Sport1 SK-CZ | 27500 |
| 12.687 | V | STV 1 | 27500 |
| 12.687 | V | STV 2 | 27500 |
| 12.687 | V | STV 3 | 27500 |
| ● 12.687 | H | Test 2 | 27500 |
| 12.687 | V | Test Channel | 27500 |
| 12.687 | H | TVR1 | 27500 |
| 12.687 | V | CT24 | 27500 |
| 12.687 | H | Kiss TV | 27500 |
| 12.687 | H | OTV | 27500 |
| ● 12.687 | H | Maria Radio | 27500 |
| 12.717 | V | CNN | 18400 |
| 12.717 | V | Eurosport 2 CE | 18400 |
| 12.717 | V | Music Max | 18400 |
| 12.717 | V | Nova Cinema | 18400 |
| 12.717 | V | Sport1 RO | 18400 |
| 12.717 | V | TV Neptun | 18400 |
| ● 12.717 | V | RadioTvSeverin | 18400 |
| ● 12.717 | V | Service 11-2 | 18400 |
| 12.723 | H | Animal Planet | 27500 |
| 12.723 | H | Antena 1 | 27500 |
| 12.723 | H | Cinemax | 27500 |
| 12.723 | H | Discovery CE | 27500 |
| 12.723 | H | Discovery Sci | 27500 |
| 12.723 | H | Discovery T&L | 27500 |
| 12.723 | H | Discovery World | 27500 |
| 12.723 | H | Hallmark | 27500 |
| 12.723 | H | HBO Romania | 27500 |
| 12.723 | H | Private Spice | 27500 |
| 12.723 | H | Reality TV | 27500 |
| 12.723 | H | TV 1000 | 27500 |
| 12.723 | H | Viasat History | 27500 |
| 12.723 | H | ProFM | 27500 |
| 12.735 | V | KTV-R-DUK | 8800 |
| 12.735 | V | RTV21-RADIO21 | 8800 |
| 12.735 | V | RTV21-PLUS | 8800 |

THO002KU

| Freq GHz | Pol | Channel Name | Symbol rate |
|---|---|---|---|
| ● 11.216 | V | 24 | 24500 |
| 11.216 | V | Barnkanalen | 24500 |
| 11.216 | V | Kunskapskanalen | 24500 |
| ● 11.216 | V | Sky News | 24500 |
| 11.216 | V | TV4 | 24500 |
| 11.216 | V | TV4 Fakta | 24500 |
| 11.216 | V | TV4 Film | 24500 |
| 11.216 | V | TV4 plus | 24500 |
| 11.216 | V | TV4 Sport | 24500 |
| 11.216 | V | TV400 | 24500 |
| 11.229 | H | Animal Planet | 24500 |
| 11.229 | H | BBC Food | 24500 |
| 11.229 | H | CNN International | 24500 |
| 11.229 | H | Discovery (D) | 24500 |
| 11.229 | H | Discovery (F) | 24500 |
| 11.229 | H | Discovery (N) | 24500 |
| 11.229 | H | Discovery (S) | 24500 |
| 11.229 | H | MTV (N) | 24500 |
| 11.229 | H | Travel Channel | 24500 |
| 11.247 | V | TV 2 Nyhetskanalen | 24500 |
| 11.247 | V | TV 2 Sport | 24500 |
| 11.247 | V | TV 2 Filmkanalen | 24500 |
| 11.247 | V | TV 2 Zebra | 24500 |
| 11.247 | V | BTV-1 | 24500 |
| ● 11.247 | V | CCTV-9 | 24500 |
| ● 11.247 | V | GO | 24500 |
| 11.247 | V | On Satellite | 24500 |
| 11.247 | V | Swedbank | 24500 |
| 11.247 | V | Visjon Norge | 24500 |
| 11.261 | H | CANAL 69 | 24500 |
| 11.261 | H | CANAL+ ACTION | 24500 |
| 11.261 | H | CANAL+ SPORT 2 | 24500 |
| 11.261 | H | Silver | 24500 |
| 11.261 | H | TV 2 Sport 2 | 24500 |
| 11.261 | H | TV 2 Sport 3 | 24500 |
| 11.261 | H | TV-biljett 4 | 24500 |
| 11.261 | H | TV-biljett 5 | 24500 |
| 11.278 | V | CANAL+ COMEDY | 24500 |
| 11.278 | V | CANAL+ DRAMA | 24500 |
| 11.278 | V | CANAL+ FIRST | 24500 |
| 11.278 | V | CANAL+ HITS | 24500 |
| 11.278 | V | CANAL+ SPORT 1 ( | 24500 |
| 11.278 | V | CANAL+ SPORT 1 ( | 24500 |
| 11.278 | V | CANAL+ SPORT 1 ( | 24500 |
| 11.278 | V | CANAL+ SPORT 1 ( | 24500 |
| 11.293 | H | 24Nordjyske | 24500 |
| 11.293 | H | Boomerang | 24500 |
| 11.293 | H | DanToto | 24500 |
| 11.293 | H | dk4 | 24500 |
| 11.293 | H | SBS NET | 24500 |
| 11.293 | H | TV2 Zulu | 24500 |
| 11.293 | H | The Voice | 24500 |
| 11.309 | V | Cartoon Network | 24500 |
| 11.309 | V | CNBC | 24500 |
| 11.309 | V | Hallmark | 24500 |
| 11.309 | V | Hlm_Jtx | 24500 |
| 11.309 | V | Kanal 5 (DK) | 24500 |
| 11.309 | V | Nat Geo Channel | 24500 |
| 11.309 | V | Nordic TCM | 24500 |
| 11.309 | V | TCM_Cartoon | 24500 |
| 11.309 | V | VH1 | 24500 |
| 11.309 | V | Jetix | 24500 |
| 11.325 | H | BBC Prime | 24500 |
| 11.325 | H | Bloomberg | 24500 |
| 11.325 | H | FEM | 24500 |
| 11.325 | H | History Channel | 24500 |
| 11.325 | H | Showtime | 24500 |
| 11.325 | H | St-Sh TS | 24500 |
| 11.325 | H | Star | 24500 |
| 11.325 | H | Viasat4 | 24500 |
| 11.325 | H | BBC World News | 24500 |
| 11.325 | H | Gospel Channel Europ | 24500 |
| 11.341 | V | History Chnl HD | 25000 |
| 11.341 | V | Silver HD | 25000 |
| 11.341 | V | TV4 HD | 25000 |
| 11.357 | H | Disney Channel | 24500 |
| 11.357 | H | Kanal 4 DK | 24500 |
| 11.357 | H | MTV (D) | 24500 |
| 11.357 | H | MTV (F) | 24500 |
| 11.357 | H | MTV (S) | 24500 |
| 11.357 | H | Toon Disney | 24500 |
| 11.357 | H | Voice (DK) | 24500 |
| 11.357 | H | Voice (NO) | 24500 |
| 11.372 | V | NRK1 | 24500 |
| 11.372 | V | NRK1 Midtnytt | 24500 |
| 11.372 | V | NRK1 Møre & Romsdal | 24500 |
| 11.372 | V | NRK1 Nordland | 24500 |
| 11.372 | V | NRK1 Rogaland | 24500 |
| 11.372 | V | NRK1 Sørlandet | 24500 |
| 11.372 | V | NRK1 Vestlandsrevyen | 24500 |
| 11.372 | V | NRK1 Østafjells | 24500 |
| 11.372 | V | NRK1 Østfold | 24500 |
| 11.372 | V | NRK1 Østnytt | 24500 |
| 11.372 | V | NRK Super / NRK3 | 24500 |
| 11.372 | V | NRK1 Nordnytt | 24500 |
| 11.372 | V | NRK2 | 24500 |
| 11.372 | V | NRK1 Tegnspråk | 24500 |
| 11.372 | V | NRK Folkemusikk | 24500 |
| 11.372 | V | NRK Gull | 24500 |
| 11.372 | V | NRK Klassisk | 24500 |
| 11.372 | V | NRK mP3 | 24500 |
| 11.372 | V | NRK Nyheter | 24500 |
| 11.372 | V | NRK P1 | 24500 |
| 11.372 | V | NRK P2 | 24500 |
| 11.372 | V | NRK P3 | 24500 |
| 11.372 | V | NRK Sami Radio | 24500 |
| 11.372 | V | NRK Stortinget | 24500 |
| 11.372 | V | NRK Super | 24500 |
| 11.372 | V | NRK Været til sjøs | 24500 |
| 11.389 | H | Kanal 5 Mitt-Norr | 24500 |
| 11.389 | H | Kanal 5 Stockholm | 24500 |
| 11.389 | H | Kanal 5 Syd | 24500 |
| 11.389 | H | Kanal 5 Väst | 24500 |
| 11.389 | H | Kanal 9 | 24500 |
| 11.389 | H | TV3 (S) | 24500 |
| 11.389 | H | TV7 | 24500 |
| 11.403 | V | DR Update | 24500 |
| 11.403 | V | DR1 | 24500 |
| 11.403 | V | DR2 | 24500 |
| 11.403 | V | RUV | 24500 |
| 11.403 | V | TV2 Charlie | 24500 |
| 11.403 | V | TV2 Film | 24500 |
| 11.403 | V | LifeStyleTV | 24500 |
| 11.403 | V | DR Klassisk | 24500 |
| 11.403 | V | DR P1 | 24500 |
| 11.403 | V | DR P2 | 24500 |
| 11.403 | V | DR P3 | 24500 |
| 11.403 | V | DR P4 København | 24500 |
| 11.403 | V | RUV Ras 1 | 24500 |
| 11.403 | V | RUV Ras 2 | 24500 |
| 11.421 | H | CANAL+ FILM HD | 25000 |
| 11.421 | H | CANAL+ SPORT HD | 25000 |
| 11.421 | H | SVT HD | 25000 |
| 11.434 | V | Nat Geo HD | 25000 |
| 11.434 | V | Voom HD | 25000 |
| 12.380 | V | Acasa | 28000 |
| 12.380 | V | Animal Planet | 28000 |
| 12.380 | V | Antena 3 | 28000 |
| 12.380 | V | AXN | 28000 |
| 12.380 | V | Cartoon Network/TCM | 28000 |
| 12.380 | V | Cinemax | 28000 |
| 12.380 | V | CNN | 28000 |
| 12.380 | V | HBO | 28000 |
| 12.380 | V | Kiss TV | 28000 |
| 12.380 | V | National Geographic | 28000 |
| 12.380 | V | Pro Cinema | 28000 |
| 12.380 | V | Pro TV | 28000 |
| 12.380 | V | Pro TV International | 28000 |
| 12.380 | V | Sport.ro | 28000 |
| 12.380 | V | VH1 | 28000 |
| 12.380 | V | Activ FM | 28000 |
| 12.380 | V | Itsy Bitsy FM | 28000 |
| 12.380 | V | Kiss FM | 28000 |
| 12.380 | V | Magic FM | 28000 |
| 12.380 | V | Radio Guerrilla | 28000 |
| 12.380 | V | Radio Romania Muzica | 28000 |
| 12.380 | V | Radio Timisoara | 28000 |

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THO003KU

| Freq GHz | Pol | Channel Name | Symbol rate |
|---|---|---|---|
| 11.823 | H | Moldova 1 | 28000 |
| 11.823 | H | N4 | 28000 |
| 11.823 | H | NIT | 28000 |
| 11.823 | H | Pervii Canal Moldova | 28000 |
| 11.823 | H | Pro TV Chisinau | 28000 |
| 11.823 | H | TV7 | 28000 |
| 11.823 | H | BGTV | 28000 |
| 11.823 | H | Chance TV | 28000 |
| 11.823 | H | EU TV | 28000 |
| 11.823 | H | Latina F | 28000 |
| 11.823 | H | Mynele TV | 28000 |
| 11.823 | H | Party TV | 28000 |
| 11.823 | H | Speranta TV | 28000 |
| 11.823 | H | Tiankov TV | 28000 |
| 11.823 | H | Radio Antena C | 28000 |
| 11.823 | H | Radio Vocea Sperante | 28000 |
| 12.054 | H | MTV3 | 28000 |
| 12.054 | H | Nelonen | 28000 |
| 12.054 | H | YLE FST | 28000 |
| 12.054 | H | YLE Teema | 28000 |
| 12.054 | H | YLE TV1 | 28000 |
| 12.054 | H | YLE TV2 | 28000 |
| 12.054 | H | YLE MONDO | 28000 |
| 12.054 | H | YLE PEILI | 28000 |
| 12.054 | H | YLEN KLASSINEN | 28000 |
| 12.149 | V | Antena 2 | 28000 |
| 12.149 | V | B1 | 28000 |
| 12.149 | V | Discovery | 28000 |
| 12.149 | V | Discovery Science | 28000 |
| 12.149 | V | Discovery Travel | 28000 |
| 12.149 | V | Euforia Lifestyle | 28000 |
| 12.149 | V | Extreme Sports | 28000 |
| 12.149 | V | Kanal D | 28000 |
| 12.149 | V | MGM | 28000 |
| 12.149 | V | N24 | 28000 |
| 12.149 | V | Reality/BlueHustler | 28000 |
| 12.149 | V | Sport Klub | 28000 |
| 12.149 | V | Sport1 | 28000 |
| 12.149 | V | Viasat Explorer/Club | 28000 |
| 12.149 | V | Viasat History | 28000 |
| 12.149 | V | 60's | 28000 |
| 12.149 | V | Bass, Breaks & Beats | 28000 |
| 12.149 | V | Chansons | 28000 |
| 12.149 | V | Chillout | 28000 |
| 12.149 | V | Classic RnB & Soul | 28000 |
| 12.149 | V | Classsical Greats | 28000 |
| 12.149 | V | Jazz Classic | 28000 |
| 12.149 | V | Rock Anthems | 28000 |
| 12.149 | V | Rock'n'Roll Era | 28000 |
| 12.149 | V | Total Hits Italy | 28000 |
| 12.149 | V | Total Hits UK | 28000 |
| 12.169 | H | MSAT | 28000 |
| 12.169 | H | Planeta TV | 28000 |
| 12.169 | H | TV2 | 28000 |
| 12.169 | H | CETV | 28000 |
| 12.169 | H | City TV | 28000 |
| 12.169 | H | Heros TV | 28000 |
| 12.169 | H | McBox | 28000 |
| 12.169 | H | SKAT | 28000 |
| 12.169 | H | Telestar TV | 28000 |
| 12.169 | H | TV LUX | 28000 |
| 12.169 | H | Alpha 3 | 28000 |
| 12.169 | H | Alpha Radio | 28000 |
| 12.169 | H | BG Radio | 28000 |
| 12.169 | H | ENERGY | 28000 |
| 12.169 | H | Focus Pirin | 28000 |
| 12.169 | H | Focus Sofia | 28000 |
| 12.169 | H | Focus V Tarnovo | 28000 |
| 12.169 | H | Focus Varna | 28000 |
| 12.169 | H | HIT FM | 28000 |
| 12.169 | H | HORNET Radio | 28000 |
| 12.169 | H | Njoy | 28000 |
| 12.169 | H | OMV ROMANIA | 28000 |
| 12.169 | H | Radio 1 | 28000 |
| 12.169 | H | Radio City | 28000 |
| 12.169 | H | Radio City 2 | 28000 |
| 12.169 | H | Radio FM+ | 28000 |
| 12.169 | H | Radio Fresh | 28000 |
| ●12.169 | H | Radio Mila | 28000 |
| ●12.169 | H | Radio1 Rock | 28000 |
| 12.169 | H | STAR FM | 28000 |
| 12.169 | H | Test Radio | 28000 |
| ●12.169 | H | Veronika | 28000 |
| 12.169 | H | Z-ROCK | 28000 |
| 12.226 | V | ESPN Classic | 28000 |
| 12.226 | V | HustlerTV | 28000 |
| 12.226 | V | KinoTV | 28000 |
| 12.226 | V | NASN | 28000 |
| 12.226 | V | TV 2 Sport 4 | 28000 |
| 12.226 | V | TV 2 Sport 5 | 28000 |
| 12.226 | V | TV3 (N) | 28000 |
| 12.226 | V | TV8 | 28000 |
| 12.226 | V | Scandinavian Satelit | 28000 |
| 12.245 | H | Antena 1 | 28000 |
| 12.245 | H | Favorit TV | 28000 |
| 12.245 | H | Hallmark | 28000 |
| 12.245 | H | Hustler TV | 28000 |
| 12.245 | H | Minimax | 28000 |
| 12.245 | H | MTV Romania | 28000 |
| 12.245 | H | National TV | 28000 |
| 12.245 | H | Prima TV | 28000 |
| 12.245 | H | Realitatea TV | 28000 |
| 12.245 | H | Romantica | 28000 |
| 12.245 | H | Telesport | 28000 |
| 12.245 | H | TVR 1 | 28000 |
| 12.245 | H | TVR 2 | 28000 |
| 12.245 | H | TVR Cultural | 28000 |
| 12.245 | H | FocusSat TV | 28000 |
| 12.303 | V | 24 | 27800 |
| 12.303 | V | 24 GävledalaNytt | 27800 |
| 12.303 | V | 24 MittNytt | 27800 |
| 12.303 | V | 24 NordNytt | 27800 |
| 12.303 | V | 24 SmålandsNytt | 27800 |
| 12.303 | V | 24 SydNytt | 27800 |
| 12.303 | V | 24 TvärsNytt | 27800 |
| 12.303 | V | 24 VärmlandsNytt | 27800 |
| 12.303 | V | 24 VästerbottenNytt | 27800 |
| 12.303 | V | 24 VästNytt | 27800 |
| 12.303 | V | 24 ÖstNytt | 27800 |
| 12.303 | V | SVT1 | 27800 |
| 12.303 | V | SVT1 Gävle | 27800 |
| 12.303 | V | SVT1 Gävledala | 27800 |
| 12.303 | V | SVT1 Jämtland | 27800 |
| 12.303 | V | SVT1 Jönköping | 27800 |
| 12.303 | V | SVT1 MittNytt | 27800 |
| 12.303 | V | SVT1 NordNytt | 27800 |
| 12.303 | V | SVT1 SmålandsNytt | 27800 |
| 12.303 | V | SVT1 SydNytt | 27800 |
| 12.303 | V | SVT1 TvärsNytt | 27800 |
| 12.303 | V | SVT1 VärmlandsNytt | 27800 |
| 12.303 | V | SVT1 VästerbottenNyt | 27800 |
| 12.303 | V | SVT1 VästNytt | 27800 |
| 12.303 | V | SVT1 ÖstNytt | 27800 |
| 12.303 | V | SVT2 | 27800 |
| 12.303 | V | SVT2 Gävle | 27800 |
| 12.303 | V | SVT2 Gävledala | 27800 |
| 12.303 | V | SVT2 Jämtland | 27800 |
| 12.303 | V | SVT2 Jönköping | 27800 |
| 12.303 | V | SVT2 MittNytt | 27800 |
| 12.303 | V | SVT2 NordNytt | 27800 |
| 12.303 | V | SVT2 SmålandsNytt | 27800 |
| 12.303 | V | SVT2 SydNytt | 27800 |
| 12.303 | V | SVT2 TvärsNytt | 27800 |
| 12.303 | V | SVT2 VärmlandsNytt | 27800 |
| 12.303 | V | SVT2 VästerbottenNyt | 27800 |
| 12.303 | V | SVT2 VästNytt | 27800 |
| 12.303 | V | SVT2 ÖstNytt | 27800 |
| 12.322 | H | TV 2 Norge | 27800 |
| 12.322 | H | AlJazeera English | 27800 |
| 12.322 | H | JIM | 27800 |
| 12.322 | H | Playhouse Disney | 27800 |
| 12.322 | H | Rikstoto Direkte | 27800 |
| 12.322 | H | SubTV | 27800 |
| 12.322 | H | TVNorge | 27800 |
| 12.322 | H | P4 | 27800 |
| 12.322 | H | Radio Norge | 27800 |
| 12.322 | H | Radio Paris Oslo | 27800 |
| ●12.399 | H | Nelonen HD | 28000 |
| 12.399 | H | CCTV9 | 28000 |
| ●12.399 | H | Musiq1 | 28000 |
| 12.399 | H | Nautik | 28000 |
| 12.399 | H | Toto-TV | 28000 |
| 12.399 | H | TV Patriot | 28000 |
| 12.399 | H | EXPRES mp2 | 28000 |
| 12.399 | H | KISS | 28000 |
| 12.456 | V | Discov Science | 28000 |
| 12.456 | V | Discov Trav&liv | 28000 |
| 12.456 | V | Discov World | 28000 |
| 12.456 | V | Motors TV | 28000 |
| 12.456 | V | Nick (S)-VH1C TS | 28000 |
| 12.456 | V | Nick-VH1C TS | 28000 |
| 12.456 | V | Sky News | 28000 |
| 12.456 | V | VH1 Classic | 28000 |
| ●12.456 | V | 207 | 28000 |
| ●12.456 | V | 208 | 28000 |
| ●12.456 | V | 209 | 28000 |
| ●12.456 | V | 210 | 28000 |
| ●12.456 | V | 211 | 28000 |
| ●12.456 | V | 212 | 28000 |
| ●12.456 | V | 213 | 28000 |
| ●12.456 | V | 214 | 28000 |
| ●12.456 | V | 215 | 28000 |
| ●12.456 | V | 216 | 28000 |
| ●12.456 | V | 217 | 28000 |
| ●12.456 | V | 218 | 28000 |
| ●12.456 | V | 219 | 28000 |
| ●12.456 | V | 220 | 28000 |
| ●12.456 | V | 221 | 28000 |
| ●12.456 | V | 222 | 28000 |
| ●12.456 | V | 223 | 28000 |
| ●12.456 | V | 224 | 28000 |
| ●12.456 | V | 225 | 28000 |
| ●12.456 | V | 226 | 28000 |
| 12.476 | H | Eurosport | 27800 |
| 12.476 | H | Eurosport 2 | 27800 |
| 12.476 | H | TV-biljett 1 | 27800 |
| 12.476 | H | TV-biljett 2 | 27800 |
| 12.476 | H | TV-biljett 3 | 27800 |
| 12.476 | H | TV4 Guld | 27800 |
| 12.476 | H | TV4 Komedi | 27800 |
| 12.476 | H | TV4 Science Fiction | 27800 |
| ●11.341 | V | Eurosport | 24500 |
| ●11.341 | V | Eurosport 2 | 24500 |
| ●11.341 | V | TV-biljett 1 | 24500 |
| ●11.341 | V | TV-biljett 2 | 24500 |
| ●11.341 | V | TV-biljett 3 | 24500 |
| ●11.341 | V | TV4 Guld | 24500 |
| ●11.341 | V | TV4 Komedi | 24500 |
| ●11.341 | V | TV4 Science Fiction | 24500 |
| ●11.421 | H | 24 | 24500 |
| ●11.421 | H | 24 GävledalaNytt | 24500 |
| ●11.421 | H | 24 MittNytt | 24500 |
| ●11.421 | H | 24 NordNytt | 24500 |
| ●11.421 | H | 24 SmålandsNytt | 24500 |
| ●11.421 | H | 24 SydNytt | 24500 |
| ●11.421 | H | 24 TvärsNytt | 24500 |
| ●11.421 | H | 24 VärmlandsNytt | 24500 |
| ●11.421 | H | 24 VästerbottenNytt | 24500 |
| ●11.421 | H | 24 VästNytt | 24500 |
| ●11.421 | H | 24 ÖstNytt | 24500 |
| ●11.421 | H | SVT1 | 24500 |
| ●11.421 | H | SVT1 Gävle | 24500 |
| ●11.421 | H | SVT1 Gävledala | 24500 |
| ●11.421 | H | SVT1 Jämtland | 24500 |
| ●11.421 | H | SVT1 Jönköping | 24500 |
| ●11.421 | H | SVT1 MittNytt | 24500 |
| ●11.421 | H | SVT1 NordNytt | 24500 |
| ●11.421 | H | SVT1 SmålandsNytt | 24500 |
| ●11.421 | H | SVT1 SydNytt | 24500 |
| ●11.421 | H | SVT1 TvärsNytt | 24500 |
| ●11.421 | H | SVT1 VärmlandsNytt | 24500 |
| ●11.421 | H | SVT1 VästerbottenNyt | 24500 |
| ●11.421 | H | SVT1 VästNytt | 24500 |
| ●11.421 | H | SVT1 ÖstNytt | 24500 |
| ●11.421 | H | SVT2 | 24500 |
| ●11.421 | H | SVT2 Gävle | 24500 |
| ●11.421 | H | SVT2 Gävledala | 24500 |
| ●11.421 | H | SVT2 Jämtland | 24500 |
| ●11.421 | H | SVT2 Jönköping | 24500 |
| ●11.421 | H | SVT2 MittNytt | 24500 |
| ●11.421 | H | SVT2 NordNytt | 24500 |
| ●11.421 | H | SVT2 SmålandsNytt | 24500 |
| ●11.421 | H | SVT2 SydNytt | 24500 |
| ●11.421 | H | SVT2 TvärsNytt | 24500 |
| ●11.421 | H | SVT2 VärmlandsNytt | 24500 |
| ●11.421 | H | SVT2 VästerbottenNyt | 24500 |
| ●11.421 | H | SVT2 VästNytt | 24500 |
| ●11.421 | H | SVT2 ÖstNytt | 24500 |
| ●11.434 | V | MTV3 | 24500 |
| ●11.434 | V | Nelonen | 24500 |
| ●11.434 | V | YLE FST | 24500 |
| ●11.434 | V | YLE Teema | 24500 |
| ●11.434 | V | YLE TV1 | 24500 |
| ●11.434 | V | YLE TV2 | 24500 |
| ●11.434 | V | YLE MONDO | 24500 |
| ●11.434 | V | YLE PEILI | 24500 |
| ●11.434 | V | YLEN KLASSINEN | 24500 |
| ●11.746 | H | TVPaprika | 28000 |
| ●11.746 | H | Cosmos TV | 28000 |
| ●11.746 | H | Kanal D | 28000 |
| ●11.747 | H | TVPaprika | 28000 |
| ●11.747 | H | Cosmos TV | 28000 |
| ●11.747 | H | Kanal D | 28000 |
| 11.785 | H | Axn Crime | 28000 |
| 11.785 | H | Axn Sci-Fi | 28000 |
| 11.785 | H | Credo | 28000 |
| 11.785 | H | Fishing & Hunting | 28000 |
| 11.785 | H | GSP 1 | 28000 |
| 11.785 | H | GSP 2 | 28000 |
| 11.785 | H | HBO Comedy | 28000 |
| 11.785 | H | Mezzo | 28000 |
| 11.785 | H | Money Channel | 28000 |
| 11.785 | H | Nat Geo Wild CE | 28000 |
| 11.785 | H | Nat Geo Wild RO | 28000 |
| 11.785 | H | Trinitas | 28000 |
| ●11.785 | H | TV 6 | 28000 |
| 11.785 | H | Music Channel | 28000 |
| 11.785 | H | Radio GaGa | 28000 |
| ●11.938 | H | CANAL+ SPORT HD | 25000 |
| ●11.938 | H | CANAL+ FILM HD | 25000 |
| ●11.938 | H | SVT HD | 25000 |
| 12.015 | H | Eurosport HD | 30000 |
| 12.015 | H | Kanal 5 HD | 30000 |
| ●12.015 | H | TVNorge HD | 30000 |
| 12.128 | H | History Chnl HD | 30000 |
| 12.128 | H | Silver HD | 30000 |
| 12.128 | H | TV4 HD | 30000 |
| ●12.128 | H | TVNorge HD | 30000 |
| ●12.188 | V | Nat Geo HD | 25000 |
| ●12.188 | V | Voom HD | 25000 |
| 12.418 | V | DR1 Syd | 28000 |
| 12.418 | V | DR2 Syd | 28000 |
| 12.418 | V | DTV2(Cable) | 28000 |
| 12.418 | V | NRK1 Reserve | 28000 |
| 12.418 | V | TV Finland | 28000 |
| ●12.418 | V | Nautik | 28000 |
| ●12.418 | V | SmartCasino | 28000 |
| 12.418 | V | The Poker Channel | 28000 |
| ●12.418 | V | TV Patriot | 28000 |
| 12.418 | V | DR Klassisk Syd | 28000 |
| 12.418 | V | DR P1 Syd | 28000 |
| 12.418 | V | DR P2 Syd | 28000 |
| 12.418 | V | DR P3 Syd | 28000 |
| 12.418 | V | DR P4 KBH Syd | 28000 |
| ●12.418 | V | EXPRES mp2 | 28000 |
| ●12.418 | V | KISS | 28000 |
| 12.418 | V | NRK AN Reserve | 28000 |
| 12.418 | V | NRK P1 Reserve | 28000 |
| ●12.418 | V | Scandinavia Sat. R | 28000 |
| 12.418 | V | Ylesat 1 | 28000 |
| 12.418 | V | Ylesat 2 | 28000 |
| 12.428 | V | DR1 Syd | 28000 |
| 12.428 | V | DR2 Syd | 28000 |
| 12.428 | V | DTV2(Cable) | 28000 |
| 12.428 | V | NRK1 Reserve | 28000 |
| 12.428 | V | TV Finland | 28000 |
| ●12.428 | V | Nautik | 28000 |
| ●12.428 | V | SmartCasino | 28000 |
| 12.428 | V | The Poker Channel | 28000 |
| ●12.428 | V | TV Patriot | 28000 |
| 12.428 | V | DR Klassisk Syd | 28000 |
| 12.428 | V | DR P1 Syd | 28000 |
| 12.428 | V | DR P2 Syd | 28000 |
| 12.428 | V | DR P3 Syd | 28000 |
| 12.428 | V | DR P4 KBH Syd | 28000 |
| ●12.428 | V | EXPRES mp2 | 28000 |
| ●12.428 | V | KISS | 28000 |
| 12.428 | V | NRK AN Reserve | 28000 |
| 12.428 | V | NRK P1 Reserve | 28000 |
| ●12.428 | V | Scandinavia Sat. R | 28000 |
| 12.428 | V | Ylesat 1 | 28000 |
| 12.428 | V | Ylesat 2 | 28000 |

**C-Band: INTELSAT 10-02**

**359.1 East (0.9 West)**

| Freq GHz | Pol | Channel Name | Symbol rate |
|---|---|---|---|
| 4.025 | R | BBC Afr Feed 1 | 7323 |
| ● 4.025 | R | BBC Afr Feed 2 | 7323 |
| ● 4.025 | R | BBC Afr Feed 3 | 7323 |
| ● 4.025 | R | BBC Afr Feed 4 | 7323 |
| ● 4.025 | R | BBC Afr Feed 5 | 7323 |
| ● 4.025 | R | BBC Afr Feed 6 | 7323 |
| ● 4.025 | R | BBC Afr Feed 7 | 7323 |
| ● 4.025 | R | BBC Afr Feed 8 | 7323 |
| 4.025 | R | BBC Arabic | 7323 |
| 4.025 | R | BBC Dari | 7323 |
| 4.025 | R | BBC English (E Af. | 7323 |
| 4.025 | R | BBC English (Europe) | 7323 |
| 4.025 | R | BBC English (W Af. | 7323 |
| 4.025 | R | BBC English Mid-Ea | 7323 |
| 4.025 | R | BBC English News | 7323 |
| 4.025 | R | BBC Farsi | 7323 |
| 4.025 | R | BBC French | 7323 |
| 4.025 | R | BBC Hausa | 7323 |
| 4.025 | R | BBC Pashto | 7323 |
| 4.025 | R | BBC Portuguese | 7323 |
| 4.025 | R | BBC Somali | 7323 |
| 4.025 | R | BBC Swahili | 7323 |
| 4.175 | R | AFN Family | 28000 |
| 4.175 | R | AFN Freedom | 28000 |
| 4.175 | R | AFN Movie | 28000 |
| 4.175 | R | AFN News | 28000 |
| 4.175 | R | AFN Prime Atlantic | 28000 |
| 4.175 | R | AFN Prime Pacific | 28000 |
| 4.175 | R | AFN Spectrum | 28000 |
| 4.175 | R | AFN Sports | 28000 |
| 4.175 | R | AFN Xtra | 28000 |
| 4.175 | R | Atlantic 2 | 28000 |
| 4.175 | R | Atlantic 3 | 28000 |
| 4.175 | R | Atlantic 4 | 28000 |
| 4.175 | R | Atlantic 5 | 28000 |
| 4.175 | R | Atlantic 6 | 28000 |
| 4.175 | R | Atlantic 7 | 28000 |
| 4.175 | R | Atlantic 8 | 28000 |
| 4.175 | R | Atlantic 9 | 28000 |
| 4.175 | R | Engineering Channel | 28000 |
| 4.175 | R | Adult Rock | 28000 |
| 4.175 | R | AFN Back-up for A | 28000 |
| 4.175 | R | AFN Back-up to AFN | 28000 |
| 4.175 | R | AFN Back-up to AF | 28000 |
| 4.175 | R | AFN Program Guide | 28000 |
| 4.175 | R | AFN Radio Variable | 28000 |
| 4.175 | R | Backhaul from Baghda | 28000 |
| 4.175 | R | Backhaul to Japan | 28000 |
| 4.175 | R | Bright AC | 28000 |
| 4.175 | R | Contingency (Closed | 28000 |
| 4.175 | R | ESPN Plus | 28000 |
| 4.175 | R | Fox Sports Talk | 28000 |
| 4.175 | R | Hot AC | 28000 |
| 4.175 | R | Interruptable Voice | 28000 |
| 4.175 | R | Mainstream Country | 28000 |
| 4.175 | R | NPR International | 28000 |
| 4.175 | R | Oldies | 28000 |
| 4.175 | R | SMPTE Time Code | 28000 |
| 4.175 | R | The Pentagon Channel | 28000 |
| 4.175 | R | The Touch | 28000 |
| 4.175 | R | U/I Split /UIVoice | 28000 |
| 4.175 | R | Uninterruptable Voic | 28000 |
| 4.175 | R | Z-Rock (ABC Altern | 28000 |
| ● 4.180 | L | egy tv net feed- 1 | 21050 |
| ● 4.180 | L | egy tv net feed- 2 | 21050 |
| 4.180 | L | El-Masrya | 21050 |
| 4.180 | L | El-Masrya-USA | 21050 |
| ● 4.180 | L | Monwa'at | 21050 |
| 4.180 | L | Nile Drama | 21050 |
| 4.180 | L | Nile News | 21050 |
| 4.180 | L | Nile TV Int | 21050 |
| 3.855 | R | RTG 1 | 10000 |
| 3.855 | R | RTG 2 | 10000 |
| 3.855 | R | TV+ | 10000 |
| 3.977 | R | BTV | 17777 |
| 3.977 | R | NBCTV | 17777 |
| 3.977 | R | 1kHzTone | 17777 |
| 3.977 | R | CH 7/ OMULUNGA | 17777 |
| 3.977 | R | CH7 OWA L | 17777 |
| 3.977 | R | ENERGY/WAVE | 17777 |
| 3.977 | R | FREE 10 | 17777 |
| 3.977 | R | FREE 8 | 17777 |
| 3.977 | R | FREE 9 | 17777 |
| 3.977 | R | GER/OVA | 17777 |
| 3.977 | R | HER/DN | 17777 |
| 3.977 | R | KOSMOS(L) | 17777 |
| 3.977 | R | NATIONAL | 17777 |
| 3.977 | R | OKC/TSWANA | 17777 |
| 3.977 | R | RAD99/KUDU | 17777 |
| 3.977 | R | REMsw | 17777 |
| 3.977 | R | RUK/LOZI | 17777 |
| 3.977 | R | SABA | 17777 |
| 3.985 | R | Reuters WNS | 4000 |
| 4.025 | R | BBC Afr Feed 1 | 7324 |
| ● 4.025 | R | BBC Afr Feed 2 | 7324 |
| ● 4.025 | R | BBC Afr Feed 3 | 7324 |
| ● 4.025 | R | BBC Afr Feed 4 | 7324 |
| ● 4.025 | R | BBC Afr Feed 5 | 7324 |
| ● 4.025 | R | BBC Afr Feed 6 | 7324 |
| ● 4.025 | R | BBC Afr Feed 7 | 7324 |
| ● 4.025 | R | BBC Afr Feed 8 | 7324 |
| 4.025 | R | BBC Arabic | 7324 |
| 4.025 | R | BBC Dari | 7324 |
| 4.025 | R | BBC English (E Af. | 7324 |
| 4.025 | R | BBC English (Europe) | 7324 |
| 4.025 | R | BBC English (W Af. | 7324 |
| 4.025 | R | BBC English Mid-Ea | 7324 |
| 4.025 | R | BBC English News | 7324 |
| 4.025 | R | BBC Farsi | 7324 |
| 4.025 | R | BBC French | 7324 |
| 4.025 | R | BBC Hausa | 7324 |
| 4.025 | R | BBC Pashto | 7324 |
| 4.025 | R | BBC Portuguese | 7324 |
| 4.025 | R | BBC Somali | 7324 |
| 4.025 | R | BBC Swahili | 7324 |

**INTELSAT 10-02**

**359.0 East (1.0 West)**

INT10023

| Freq GHz | Pol | Channel Name | Symbol rate |
|---|---|---|---|
| 12.520 | V | DR1 Syd | 17500 |
| 12.520 | V | DR2 Syd | 17500 |
| 12.520 | V | NRK1 Reserve | 17500 |
| 12.520 | V | TV Finland | 17500 |
| 12.520 | V | DR Klassisk Syd | 17500 |
| 12.520 | V | DR P1 Syd | 17500 |
| 12.520 | V | DR P2 Syd | 17500 |
| 12.520 | V | DR P3 Syd | 17500 |
| 12.520 | V | DR P4 KBH Syd | 17500 |
| 12.520 | V | NRK AN Reserve | 17500 |
| 12.520 | V | NRK P1 Reserve | 17500 |
| 12.520 | V | Scandinavian Satelli | 17500 |
| 12.520 | V | Ylesat 1 | 17500 |
| 12.520 | V | Ylesat 2 | 17500 |
| 12.527 | H | Antena 3 | 27500 |
| 12.527 | H | ATV | 27500 |
| 12.527 | H | Cartoon Network | 27500 |
| 12.527 | H | Duna TV | 27500 |
| 12.527 | H | Euforia TV | 27500 |
| 12.527 | H | Favorit TV | 27500 |
| 12.527 | H | Hallmark CE | 27500 |
| 12.527 | H | Romantica Ro | 27500 |
| 12.527 | H | Sport Klub HU | 27500 |
| 12.527 | H | Sport Klub RO | 27500 |
| 12.527 | H | Sport ro | 27500 |
| 12.527 | H | TVR2 | 27500 |
| 12.527 | H | VH1 | 27500 |
| 12.527 | H | InfoPRO | 27500 |
| 12.527 | H | Europa FM | 27500 |
| 12.527 | H | Guerrilla | 27500 |
| 12.563 | H | 4 Story Tv | 27500 |
| 12.563 | H | HBO 2 | 27500 |
| 12.563 | H | HBO Hungaria | 27500 |
| 12.563 | H | Jetix CE | 27500 |
| 12.563 | H | M1 | 27500 |
| 12.563 | H | M2 | 27500 |
| 12.563 | H | Minimax | 27500 |
| 12.563 | H | MTV Hungary | 27500 |
| 12.563 | H | Romantica Hu | 27500 |
| 12.563 | H | Spektrum | 27500 |
| 12.563 | H | Sport 1 | 27500 |
| 12.563 | H | Sport 2 | 27500 |
| 12.563 | H | Viva Tv | 27500 |
| 12.563 | H | Juventus Radio | 27500 |
| 12.563 | H | Roxy Radio | 27500 |
| 12.563 | H | Radio Maria | 27500 |
| 12.607 | V | Analog Tv | 27500 |
| 12.607 | V | CMC | 27500 |
| 12.607 | V | DM SAT | 27500 |
| 12.607 | V | Galaksija | 27500 |
| 12.607 | V | Hbo Adria | 27500 |
| 12.607 | V | MTV Adria | 27500 |
| 12.607 | V | NOVA TV | 27500 |
| 12.607 | V | OBN | 27500 |
| 12.607 | V | Otvorena TV | 27500 |
| 12.607 | V | RTL Televizija | 27500 |
| 12.607 | V | RTS 1 | 27500 |
| 12.607 | V | RTS 2 | 27500 |
| 12.607 | V | Service | 27500 |
| 12.607 | V | Z 1 | 27500 |
| 12.607 | V | A 1 | 27500 |
| 12.643 | H | Acasa | 27500 |
| 12.643 | V | Animal Planet CE | 27500 |
| 12.643 | H | AXN | 27500 |
| 12.643 | H | Cool TV | 27500 |
| 12.643 | V | Discovery Ch | 27500 |
| 12.643 | H | Film + | 27500 |
| 12.643 | V | Film + CE | 27500 |
| 12.643 | V | Film Box | 27500 |
| 12.643 | V | Galaxie Sport | 27500 |
| 12.643 | H | HBO CE | 27500 |
| 12.643 | H | Hir TV | 27500 |
| 12.643 | V | Joj | 27500 |
| 12.643 | V | Markiza | 27500 |
| 12.643 | V | Music Box | 27500 |
| 12.643 | H | National Geo | 27500 |
| 12.643 | V | Ocko | 27500 |
| 12.643 | H | ProTV | 27500 |
| 12.643 | V | Reality CE | 27500 |
| 12.643 | H | RTL Klub | 27500 |
| 12.643 | V | TA 3 | 27500 |
| 12.643 | H | TV 2 | 27500 |
| 12.643 | H | Viasat 3 | 27500 |
| 12.643 | H | Viasat Explorer | 27500 |
| 12.643 | H | DDTV | 27500 |
| 12.643 | V | Pratech | 27500 |
| 12.643 | H | U | 27500 |
| 12.643 | H | Sztar FM | 27500 |
| 12.643 | V | National FM | 27500 |
| 12.643 | H | Radio 21 | 27500 |
| 12.643 | H | Radio S | 27500 |
| 12.687 | H | B1 TV | 27500 |
| 12.687 | V | CT1 | 27500 |
| 12.687 | V | CT2 | 27500 |
| 12.687 | V | CT4_SPORT | 27500 |
| 12.687 | H | Etno | 27500 |
| 12.687 | H | EuroSport | 27500 |
| 12.687 | H | Jetix | 27500 |
| 12.687 | H | Kiss TV | 27500 |
| 12.687 | H | Minimax RO A+ | 27500 |
| 12.687 | V | Money Channel | 27500 |
| 12.687 | H | MTV Romania | 27500 |
| 12.687 | H | N 24 | 27500 |
| 12.687 | H | National TV | 27500 |
| 12.687 | V | NOVA_CZ | 27500 |
| 12.687 | H | Prima TV | 27500 |
| 12.687 | V | PRIMA_CZ | 27500 |
| 12.687 | V | Pro Tv International | 27500 |
| 12.687 | H | Realitatea TV | 27500 |
| 12.687 | V | Romantica CE | 27500 |
| 12.687 | V | Sport1 SK-CZ | 27500 |
| 12.687 | V | STV 1 | 27500 |
| 12.687 | V | STV 2 | 27500 |
| 12.687 | V | Test Channel | 27500 |
| 12.687 | H | TVR1 | 27500 |
| 12.687 | V | TVS Oradea | 27500 |
| 12.687 | V | CT24 | 27500 |
| 12.687 | H | OTV | 27500 |
| 12.722 | H | Animal Planet | 27500 |
| 12.722 | H | Antena 1 | 27500 |
| 12.722 | H | Cinemax | 27500 |
| 12.722 | H | Discovery CE | 27500 |
| 12.722 | H | Discovery Civ | 27500 |
| 12.722 | H | Discovery Sci | 27500 |
| 12.722 | H | Discovery T&L | 27500 |
| 12.722 | H | Hallmark | 27500 |
| 12.722 | H | HBO Romania | 27500 |
| 12.722 | H | Private Spice | 27500 |
| 12.722 | H | Reality TV | 27500 |
| 12.722 | H | TV 1000 | 27500 |
| 12.722 | H | Viasat History | 27500 |
| 12.722 | H | ProFM | 27500 |
| 12.735 | V | {Empty} | 8800 |

THO002KU

| Freq GHz | Pol | Channel Name | Symbol rate |
|---|---|---|---|
| 11.216 | V | Barnkanalen | 24500 |
| 11.216 | V | Kunskapskanalen | 24500 |
| 11.216 | V | SVT Extra | 24500 |
| 11.216 | V | SVT1 | 24500 |
| 11.216 | V | TV4 | 24500 |
| 11.216 | V | TV4 Fakta | 24500 |
| 11.216 | V | TV4 Film | 24500 |
| 11.216 | V | TV4 plus | 24500 |
| 11.216 | V | TV4 Sport | 24500 |
| 11.216 | V | TV400 | 24500 |
| 11.247 | V | TV 2 Sport | 24500 |
| 11.247 | V | TV 2 Filmkanalen | 24500 |
| 11.247 | V | TV 2 Nyhetskanalen | 24500 |
| 11.247 | V | TV 2 Zebra | 24500 |
| 11.247 | V | BTV-1 | 24500 |
| 11.247 | V | On Satellite | 24500 |
| 11.247 | V | Swedbank | 24500 |
| 11.247 | V | Thor 5 Launch | 24500 |
| 11.247 | V | Visjon Norge | 24500 |
| 11.261 | H | Aftonbladet TV7 | 24500 |
| 11.261 | H | CANAL 69 | 24500 |
| 11.261 | H | CANAL+ ACTION | 24500 |
| 11.261 | H | CANAL+ SPORT 2 | 24500 |
| 11.261 | H | DiTV | 24500 |
| 11.261 | H | Silver | 24500 |
| 11.261 | H | TV 2 Sport 2 | 24500 |
| 11.261 | H | TV-biljett 4 | 24500 |
| 11.261 | H | TV-biljett 5 | 24500 |
| 11.261 | H | TV 2 Sport 3 | 24500 |
| 11.309 | V | Cartoon Network | 24500 |
| 11.309 | V | CNBC Europe | 24500 |
| 11.309 | V | Hallmark | 24500 |
| 11.309 | V | Hlm_Jtx | 24500 |
| 11.309 | V | Kanal 5 | 24500 |
| 11.309 | V | Kanal 5 (DK) | 24500 |
| 11.309 | V | Nat Geo Channel | 24500 |
| 11.309 | V | Nordic TCM | 24500 |
| 11.309 | V | TCM_Cartoon | 24500 |
| 11.309 | V | VH1 | 24500 |
| 11.309 | V | _PMT 1 | 24500 |
| 11.309 | V | Jetix | 24500 |
| 11.325 | H | BBC Prime | 24500 |
| 11.325 | H | Bloomberg | 24500 |
| 11.325 | H | FEM | 24500 |
| 11.325 | H | History Channel | 24500 |
| 11.325 | H | Showtime | 24500 |
| 11.325 | H | St-Sh TS | 24500 |
| 11.325 | H | Star | 24500 |
| 11.325 | H | Viasat 4 | 24500 |
| 11.325 | H | BBC World | 24500 |
| 11.325 | H | Gospel Channel Europ | 24500 |
| 11.341 | V | History Chnl HD | 25000 |
| 11.341 | V | Silver HD | 25000 |
| 11.341 | V | svt-hd old | 25000 |
| 11.341 | V | Test | 25000 |
| 11.341 | V | TV4 HD | 25000 |
| 11.357 | H | Blue Hustler | 24500 |
| 11.357 | H | Disney Channel | 24500 |
| 11.357 | H | Kanal 4 DK | 24500 |
| 11.357 | H | MTV (D) | 24500 |
| 11.357 | H | MTV (F) | 24500 |
| 11.357 | H | MTV (S) | 24500 |
| 11.357 | H | Voice (DK) | 24500 |
| 11.357 | H | Voice (NO) | 24500 |
| 11.357 | H | Voice (SE) | 24500 |
| 11.372 | V | NRK Super / NRK3 | 24500 |
| 11.372 | V | NRK1 | 24500 |
| 11.372 | V | NRK1 Midtnytt | 24500 |
| 11.372 | V | NRK1 Møre & Romsdal | 24500 |
| 11.372 | V | NRK1 Nordland | 24500 |
| 11.372 | V | NRK1 Nordnytt | 24500 |
| 11.372 | V | NRK1 Rogaland | 24500 |
| 11.372 | V | NRK1 Sørlandet | 24500 |
| 11.372 | V | NRK1 Vestlandsrevyen | 24500 |
| 11.372 | V | NRK1 Østafjells | 24500 |
| 11.372 | V | NRK1 Østfold | 24500 |
| 11.372 | V | NRK1 Østnytt | 24500 |
| 11.372 | V | NRK2 | 24500 |
| 11.372 | V | NRK1 Tegnspråk | 24500 |
| 11.372 | V | NRK Folkemusikk | 24500 |
| 11.372 | V | NRK Gull | 24500 |
| 11.372 | V | NRK Klassisk | 24500 |
| 11.372 | V | NRK mP3 | 24500 |
| 11.372 | V | NRK Nyheter | 24500 |
| 11.372 | V | NRK P1 | 24500 |
| 11.372 | V | NRK P2 | 24500 |
| 11.372 | V | NRK P3 | 24500 |
| 11.372 | V | NRK Sami Radio | 24500 |
| 11.372 | V | NRK Stortinget | 24500 |
| 11.372 | V | NRK Super | 24500 |
| 11.372 | V | NRK Været til sjøs | 24500 |
| 11.389 | H | CANAL+ FILM HD | 24500 |
| 11.389 | H | Aftonbladet TV7 | 24500 |
| 11.389 | H | DiTV | 24500 |
| 11.389 | H | DTV2(Cable) | 24500 |
| 11.389 | H | Kanal 9 | 24500 |
| 11.389 | H | TV-biljett 4 | 24500 |
| 11.389 | H | TV-biljett 5 | 24500 |
| 11.389 | H | TV3 (S) | 24500 |
| 11.389 | H | St-Sh TS PMT | 24500 |
| 11.403 | V | DR Update | 24500 |
| 11.403 | V | DR1 | 24500 |
| 11.403 | V | DR1 MHP | 24500 |
| 11.403 | V | DR2 | 24500 |
| 11.403 | V | DR2 MHP | 24500 |
| 11.403 | V | RUV | 24500 |
| 11.403 | V | TV2 Charlie | 24500 |
| 11.403 | V | TV2 Film | 24500 |
| 11.403 | V | LifeStyleTV | 24500 |
| 11.403 | V | DR Klassisk | 24500 |
| 11.403 | V | DR P1 | 24500 |
| 11.403 | V | DR P2 | 24500 |
| 11.403 | V | DR P3 | 24500 |
| 11.403 | V | DR P4 København | 24500 |
| 11.403 | V | RUV Ras 1 | 24500 |
| 11.403 | V | RUV Ras 2 | 24500 |
| 11.421 | H | CANAL+ FILM HD | 25000 |
| 11.421 | H | CANAL+ SPORT HD | 25000 |
| 11.421 | H | SVT HD | 25000 |
| 11.421 | H | TV4 HD | 25000 |
| 11.434 | V | Nat Geo HD | 25000 |
| 11.434 | V | Voom HD | 25000 |
| 12.380 | V | Acasa | 28000 |
| 12.380 | V | Animal Planet | 28000 |
| 12.380 | V | Antena 3 | 28000 |
| 12.380 | V | AXN | 28000 |
| 12.380 | V | Cartoon Network/TCM | 28000 |
| 12.380 | V | Cinemax | 28000 |
| 12.380 | V | CNN | 28000 |
| 12.380 | V | HBO | 28000 |
| 12.380 | V | Kiss TV | 28000 |
| 12.380 | V | National Geographic | 28000 |
| 12.380 | V | Pro Cinema | 28000 |
| 12.380 | V | Pro TV | 28000 |
| 12.380 | V | Pro TV International | 28000 |
| 12.380 | V | Sport.ro | 28000 |
| 12.380 | V | VH1 | 28000 |
| 12.380 | V | Activ FM | 28000 |
| 12.380 | V | Itsy Bitsy FM | 28000 |
| 12.380 | V | Kiss FM | 28000 |
| 12.380 | V | Magic FM | 28000 |
| 12.380 | V | Radio Guerrilla | 28000 |
| 12.380 | V | Radio Romania Muzica | 28000 |
| 12.380 | V | Radio Timisoara | 28000 |

THO003KU

| Freq GHz | Pol | Channel Name | Symbol rate |
|---|---|---|---|
| 11.823 | H | Test CA | 28000 |
| 11.823 | H | BGTV | 28000 |
| 11.823 | H | Chance TV | 28000 |
| 11.823 | H | MM | 28000 |
| 11.823 | H | Party TV | 28000 |
| 11.823 | H | RodinaTV | 28000 |
| 11.823 | H | Speranta TV | 28000 |
| 11.823 | H | Tiankov TV | 28000 |
| 11.823 | H | Travel TV | 28000 |
| 11.823 | H | Radio Vocea Sperante | 28000 |
| 12.149 | V | Antena 2 | 28000 |
| 12.149 | V | B1 TV | 28000 |
| 12.149 | V | Discovery | 28000 |
| 12.149 | V | Discovery Science | 28000 |
| 12.149 | V | Discovery Travel | 28000 |
| 12.149 | V | Euforia Lifestyle | 28000 |
| 12.149 | V | Extreme Sports | 28000 |
| 12.149 | V | Kanal D | 28000 |
| 12.149 | V | MGM | 28000 |
| 12.149 | V | N24 | 28000 |
| 12.149 | V | Reality/BlueHustler | 28000 |
| 12.149 | V | Sport Klub | 28000 |
| 12.149 | V | Sport1 | 28000 |
| 12.149 | V | Viasat Explorer/Club | 28000 |
| 12.149 | V | Viasat History | 28000 |
| 12.149 | V | 60's | 28000 |
| 12.149 | V | Bass, Breaks & Beats | 28000 |
| 12.149 | V | Chansons | 28000 |
| 12.149 | V | Chillout | 28000 |
| 12.149 | V | Classic RnB & Soul | 28000 |
| 12.149 | V | Classsical Greats | 28000 |
| 12.149 | V | Jazz Classic | 28000 |
| 12.149 | V | Rock Anthems | 28000 |
| 12.149 | V | Rock'n'Roll Era | 28000 |
| 12.149 | V | Total Hits Italy | 28000 |
| 12.149 | V | Total Hits UK | 28000 |
| 12.169 | H | Diema 2 | 28000 |
| 12.169 | H | Diema Family | 28000 |
| 12.169 | H | Diema+ | 28000 |
| 12.169 | H | MSAT | 28000 |
| 12.169 | H | Planeta TV | 28000 |
| 12.169 | H | TV2 | 28000 |
| 12.169 | H | City TV | 28000 |
| 12.169 | H | DKTE | 28000 |
| 12.169 | H | Heros TV | 28000 |
| 12.169 | H | McBox | 28000 |
| 12.169 | H | SKAT | 28000 |
| 12.169 | H | Telestar TV | 28000 |
| 12.169 | H | Alpha Radio | 28000 |
| 12.169 | H | BG Radio | 28000 |
| 12.169 | H | ENERGY | 28000 |
| 12.169 | H | Focus Pirin | 28000 |
| 12.169 | H | Focus V Tarnovo | 28000 |
| 12.169 | H | Focus Varna | 28000 |
| 12.169 | H | Info Radio | 28000 |
| 12.169 | H | Njoy | 28000 |
| 12.169 | H | OMV ROMANIA | 28000 |
| 12.169 | H | Radio 1 | 28000 |
| 12.169 | H | Radio City | 28000 |
| 12.169 | H | Radio City 2 | 28000 |
| 12.169 | H | Radio FM+ | 28000 |
| 12.169 | H | Radio Fresh | 28000 |
| 12.169 | H | Radio Mila | 28000 |
| 12.169 | H | Test Radio | 28000 |
| 12.169 | H | Z-ROCK | 28000 |
| 12.226 | V | ESPN Classic | 28000 |
| 12.226 | V | Extreme Sports | 28000 |
| 12.226 | V | HustlerTV | 28000 |
| 12.226 | V | KinoTV | 28000 |
| 12.226 | V | NASN | 28000 |
| 12.226 | V | TV8 | 28000 |
| 12.226 | V | Hallo Norge | 28000 |
| 12.226 | V | Scandinavian Satelit | 28000 |
| 12.246 | H | Antena 1 | 28000 |
| 12.246 | H | Favorit TV | 28000 |
| 12.246 | H | Hallmark | 28000 |
| 12.246 | H | Hustler TV | 28000 |
| 12.246 | H | Minimax | 28000 |
| 12.246 | H | MTV Romania | 28000 |
| 12.246 | H | National TV | 28000 |
| 12.246 | H | Prima TV | 28000 |
| 12.246 | H | Realitatea TV | 28000 |
| 12.246 | H | Romantica | 28000 |
| 12.246 | H | Telesport | 28000 |
| 12.246 | H | TVR 1 | 28000 |
| 12.246 | H | TVR 2 | 28000 |
| 12.246 | H | TVR Cultural | 28000 |
| 12.246 | H | FocusSat TV | 28000 |
| 12.303 | V | 24 | 27800 |
| 12.303 | V | 24 GävledalaNytt | 27800 |
| 12.303 | V | 24 MittNytt | 27800 |
| 12.303 | V | 24 NordNytt | 27800 |
| 12.303 | V | 24 SmålandsNytt | 27800 |
| 12.303 | V | 24 SydNytt | 27800 |
| 12.303 | V | 24 TvärsNytt | 27800 |
| 12.303 | V | 24 VärmlandsNytt | 27800 |
| 12.303 | V | 24 VästerbottenNytt | 27800 |
| 12.303 | V | 24 VästNytt | 27800 |
| 12.303 | V | 24 ÖstNytt | 27800 |
| 12.303 | V | SVT2 | 27800 |
| 12.303 | V | SVT2 Gävle | 27800 |
| 12.303 | V | SVT2 Gävledala | 27800 |
| 12.303 | V | SVT2 Jämtland | 27800 |
| 12.303 | V | SVT2 Jönköping | 27800 |
| 12.303 | V | SVT2 MittNytt | 27800 |
| 12.303 | V | SVT2 NordNytt | 27800 |
| 12.303 | V | SVT2 SmålandsNytt | 27800 |
| 12.303 | V | SVT2 SydNytt | 27800 |
| 12.303 | V | SVT2 TvärsNytt | 27800 |
| 12.303 | V | SVT2 VärmlandsNytt | 27800 |
| 12.303 | V | SVT2 VästerbottenNyt | 27800 |
| 12.303 | V | SVT2 VästNytt | 27800 |
| 12.303 | V | SVT2 ÖstNytt | 27800 |
| 12.303 | V | SVT1 Synth Audio | 27800 |
| 12.303 | V | SVT1 Talande Textrem | 27800 |
| 12.303 | V | SVT2 Synth Audio | 27800 |
| 12.303 | V | SVT2 Talande Textrem | 27800 |
| 12.322 | H | TV 2 Norge | 27800 |
| 12.322 | H | AlJazeera English | 27800 |
| 12.322 | H | JIM | 27800 |
| 12.322 | H | Playhouse Disney | 27800 |
| 12.322 | H | Rikstoto Direkte | 27800 |
| 12.322 | H | SubTV | 27800 |
| 12.322 | H | TVNorge | 27800 |
| 12.322 | H | DUEN RADIO | 27800 |
| 12.322 | H | KANAL 24 | 27800 |
| 12.322 | H | P4 | 27800 |
| 12.322 | H | Radio Paris Oslo | 27800 |
| 12.399 | H | Kanal 5 HD | 28000 |
| 12.399 | H | CCTV9 | 28000 |
| 12.399 | H | FM-TV | 28000 |
| 12.399 | H | Moooby TV | 28000 |
| 12.399 | H | Nautik | 28000 |
| 12.399 | H | Thor 5 Launch | 28000 |
| 12.399 | H | Toto-TV | 28000 |
| 12.399 | H | TV 5 MONDE | 28000 |
| 12.399 | H | TV Patriot | 28000 |
| 12.399 | H | KISS | 28000 |
| 12.456 | V | Blues | 28000 |
| 12.456 | V | Classic Greats | 28000 |
| 12.456 | V | Classic Orches | 28000 |
| 12.456 | V | Classic Rock | 28000 |
| 12.456 | V | Classical Calm | 28000 |
| 12.456 | V | Cocktail Lounge | 28000 |
| 12.456 | V | Country Stars | 28000 |
| 12.456 | V | Dance Floor | 28000 |
| 12.456 | V | Discov Civil | 28000 |
| 12.456 | V | Discov Science | 28000 |
| 12.456 | V | Discov Trav&liv | 28000 |
| 12.456 | V | DTV2 (Cable) | 28000 |
| 12.456 | V | Jazz Classics | 28000 |
| 12.456 | V | Just Chill Out | 28000 |
| 12.456 | V | Motors TV | 28000 |
| 12.456 | V | Nick-VH1C TS | 28000 |
| 12.456 | V | Rock Anthems | 28000 |
| 12.456 | V | Sky News | 28000 |
| 12.456 | V | Soul Classics | 28000 |
| 12.456 | V | Strictly 60s | 28000 |
| 12.456 | V | The Alternative | 28000 |
| 12.456 | V | Total Hits | 28000 |
| 12.456 | V | Total Hits Italy | 28000 |
| 12.456 | V | Total Hits Nordi | 28000 |
| 12.456 | V | Urban | 28000 |
| 12.456 | V | VH1 Classic | 28000 |
| 12.456 | V | World Carnival | 28000 |
| 12.456 | V | Xmas & Kids | 28000 |
| 12.476 | H | Eurosport | 27800 |
| 12.476 | H | Eurosport 2 | 27800 |
| 12.476 | H | TV-biljett 1 | 27800 |
| 12.476 | H | TV-biljett 2 | 27800 |
| 12.476 | H | TV-biljett 3 | 27800 |
| 12.476 | H | TV4 Guld | 27800 |
| 12.476 | H | TV4 Komedi | 27800 |

**TV** Digital
**Radio** Digital
**TV** Digital Crypt
**Radio** Digital Crypt
**TV** High Definition
**TV** High Definition Crypt

# SatcoDX World Statistics

**Alexandru Porosanu**
TELE-satellite
Statistics Center
Romania

## Encryption Worldwide

| Encryption | Dec 2007 | Nov 2008 | Dec 2008 | 2008/2007 |
|---|---|---|---|---|
| POVU | 934 | 841 | 888 | -4.93% |
| VGRD | 1188 | 728 | 806 | -32.15% |
| NAGV | 1547 | 805 | 791 | -48.87% |
| IRDT | 968 | 509 | 525 | -45.76% |
| MLT2 | 287 | 287 | 287 | 0.00% |
| VICS | 385 | 256 | 237 | -38.44% |
| MGRD | 588 | 211 | 192 | -67.35% |
| CONX | 465 | 221 | 188 | -59.57% |
| BCNV | 302 | 176 | 176 | -41.72% |
| IRVG | 178 | 174 | 174 | -2.25% |
| CRYW | 217 | 179 | 157 | -27.65% |
| MDS_ | 64 | 63 | 63 | -1.56% |
| BISS | 92 | 62 | 58 | -36.96% |
| VIMG | 95 | 45 | 45 | -52.63% |
| VC2+ | 54 | 44 | 44 | -18.52% |
| IRMG | 49 | 24 | 24 | -51.02% |
| MGVC | 110 | 24 | 24 | -78.18% |
| MGCW | 33 | 24 | 24 | -27.27% |
| PVU+ | 23 | 23 | 23 | 0.00% |
| BCRT | 38 | 17 | 14 | -63.16% |
| NTL_ | 7 | 9 | 9 | 28.57% |
| IRCW | 11 | 9 | 9 | -18.18% |
| NDS_ | 6 | 6 | 6 | 0.00% |
| RAS_ | 8 | 6 | 6 | -25.00% |
| VCIR | 7 | 5 | 5 | -28.57% |
| IRDETO | | 13 | 4 | Inf |
| PVNV | 3 | 3 | 3 | 0.00% |
| VISK | 3 | 3 | 3 | 0.00% |
| WGNR | 3 | 3 | 3 | 0.00% |
| COCN | 6 | 3 | 3 | -50.00% |
| IRNV | 4 | 3 | 3 | -25.00% |
| CONV | 2 | 2 | 2 | 0.00% |
| KEYF | 2 | 2 | 2 | 0.00% |
| EBU (BISS-E) | | 1 | 1 | Inf |
| NTL | | 1 | 1 | Inf |
| DRMC | 1 | 1 | 1 | 0.00% |
| CWVA | 3 | 1 | 1 | -66.67% |
| CODI | 2 | 1 | 1 | -50.00% |
| NTL2 | 1 | 1 | 1 | 0.00% |

## Top 40 Video PIDs Worldwide

| Video PID | Dec 2007 | Nov 2008 | Dec 2008 | 2008/2007 |
|---|---|---|---|---|
| 512 | 349 | 343 | 372 | 6.59% |
| 513 | 320 | 321 | 322 | 0.62% |
| 308 | 418 | 304 | 301 | -27.99% |
| 1160 | 288 | 281 | 270 | -6.25% |
| 33 | 258 | 247 | 244 | -5.43% |
| 514 | 270 | 257 | 238 | -11.85% |
| 516 | 187 | 229 | 235 | 25.67% |
| 515 | 185 | 214 | 216 | 16.76% |
| 4130 | 245 | 203 | 202 | -17.55% |
| 518 | 153 | 180 | 178 | 16.34% |
| 517 | 146 | 172 | 172 | 17.81% |
| 1260 | 202 | 162 | 161 | -20.30% |
| 519 | 141 | 159 | 157 | 11.35% |
| 163 | 168 | 154 | 157 | -6.55% |
| 160 | 142 | 142 | 141 | -0.70% |
| 161 | 140 | 140 | 140 | 0.00% |
| 520 | 120 | 136 | 136 | 13.33% |
| 521 | 126 | 142 | 136 | 7.94% |
| 1360 | 155 | 128 | 133 | -14.19% |
| 5922 | 166 | 125 | 124 | -25.30% |
| 162 | 122 | 120 | 122 | 0.00% |
| 165 | 108 | 113 | 119 | 10.19% |
| 4194 | 171 | 120 | 114 | -33.33% |
| 101 | 101 | 97 | 110 | 8.91% |
| 1760 | 169 | 108 | 109 | -35.50% |
| 164 | 103 | 106 | 107 | 3.88% |
| 1460 | 124 | 102 | 106 | -14.52% |
| 4642 | 135 | 106 | 103 | -23.70% |
| 170 | 84 | 85 | 102 | 21.43% |
| 522 | 73 | 101 | 101 | 38.36% |
| 4386 | 138 | 105 | 101 | -26.81% |

## Top 40 Audio PIDs Worldwide

| Audio PID | Dec 2007 | Nov 2008 | Dec 2008 | 2008/2007 |
|---|---|---|---|---|
| 256 | 449 | 336 | 339 | -24.50% |
| 1120 | 272 | 265 | 256 | -5.88% |
| 4131 | 225 | 185 | 186 | -17.33% |
| 100 | 153 | 168 | 174 | 13.73% |
| 660 | 154 | 174 | 173 | 12.34% |
| 650 | 149 | 165 | 168 | 12.75% |
| 640 | 117 | 127 | 150 | 28.21% |
| 1220 | 178 | 149 | 148 | -16.85% |
| 36 | 146 | 142 | 141 | -3.42% |
| 80 | 136 | 133 | 133 | -2.21% |
| 34 | 142 | 132 | 133 | -6.34% |
| 84 | 131 | 120 | 124 | -5.34% |
| 1320 | 135 | 119 | 123 | -8.89% |
| 700 | 98 | 119 | 122 | 24.49% |
| 5923 | 153 | 117 | 116 | -24.18% |
| 88 | 113 | 112 | 115 | 1.77% |
| 104 | 104 | 111 | 113 | 8.65% |
| 96 | 101 | 104 | 109 | 7.92% |
| 4195 | 172 | 115 | 109 | -36.63% |
| 116 | 81 | 109 | 107 | 32.10% |
| 92 | 101 | 102 | 107 | 5.94% |
| 670 | 151 | 107 | 107 | -29.14% |
| 680 | 97 | 105 | 106 | 9.28% |
| 108 | 97 | 94 | 99 | 2.06% |
| 102 | 96 | 86 | 98 | 2.08% |
| 4643 | 122 | 98 | 97 | -20.49% |
| 4387 | 127 | 100 | 97 | -23.62% |
| 1420 | 109 | 93 | 96 | -11.93% |
| 112 | 98 | 102 | 95 | -3.06% |
| 6179 | 103 | 92 | 93 | -9.71% |
| 258 | 143 | 91 | 89 | -37.76% |
| 4899 | 126 | 90 | 89 | -29.37% |
| 690 | 77 | 87 | 88 | 14.29% |
| 202 | 66 | 80 | 88 | 33.33% |
| 400 | 106 | 90 | 88 | -16.98% |

## Transmission Types Worldwide

| Type | Dec 2007 | Nov 2008 | Dec 2008 | 2008/2007 |
|---|---|---|---|---|
| TV-DIG-CRYPT | 10729 | 11149 | 11448 | 6.70% |
| TV-DIG | 7656 | 7121 | 7131 | -6.86% |
| R-DIG | 4216 | 3961 | 4082 | -3.18% |
| DATA | 2083 | 2152 | 2161 | 3.74% |
| R-DIG-CRYPT | 1472 | 1263 | 1304 | -11.41% |
| TV-SD-CRYPT | 143 | 448 | 438 | 206.29% |
| TV-HD-CRYPT | 208 | 256 | 356 | 71.15% |
| TV-ANA | 129 | 100 | 100 | -22.48% |
| TV-SD | 55 | 91 | 99 | 80.00% |
| TV-HD | 60 | 83 | 67 | 11.67% |
| R-ANA | 64 | 47 | 47 | -26.56% |
| TV-ANA-CRYPT | 57 | 45 | 45 | -21.05% |

## Transponder Polarization Worldwide

| Polarization | Dec 2007 | Nov 2008 | Dec 2008 | 2008/2007 |
|---|---|---|---|---|
| V | 11520 | 11827 | 11875 | 3.08% |
| H | 11569 | 11291 | 11757 | 1.63% |
| R | 2273 | 2087 | 2166 | -4.71% |
| L | 1584 | 1500 | 1477 | -6.76% |

## Top 100 Ku band Frequencies Worldwide

| Frequency | Dec 2007 | Nov 2008 | Dec 2008 | 2008/2007 |
|---|---|---|---|---|
| 12.226 | 184 | 185 | 184 | 0.00% |
| 12.149 | 147 | 167 | 177 | 20.41% |
| 11.823 | 71 | 163 | 176 | 147.89% |
| 12.399 | 162 | 158 | 160 | -1.23% |
| 11.785 | 84 | 153 | 152 | 80.95% |
| 12.355 | 96 | 151 | 151 | 57.29% |
| 11.804 | 41 | 154 | 151 | 268.29% |
| 11.938 | 92 | 129 | 139 | 51.09% |
| 11.747 | 42 | 135 | 136 | 223.81% |
| 12.302 | 36 | 95 | 135 | 275.00% |
| 12.092 | 86 | 122 | 127 | 47.67% |
| 12.322 | 96 | 99 | 126 | 31.25% |
| 12.341 | 113 | 125 | 122 | 7.96% |
| 12.418 | 91 | 117 | 121 | 32.97% |
| 11.766 | 77 | 118 | 119 | 54.55% |
| 12.661 | 64 | 120 | 118 | 84.38% |
| 11.996 | 68 | 116 | 116 | 70.59% |
| 12.523 | 95 | 112 | 115 | 21.05% |
| 12.647 | 90 | 110 | 111 | 23.33% |
| 12.643 | 70 | 107 | 109 | 55.71% |
| 11.919 | 50 | 101 | 107 | 114.00% |
| 12.628 | 106 | 106 | 106 | 0.00% |
| 12.282 | 132 | 101 | 101 | -23.48% |
| 12.428 | 118 | 100 | 99 | -16.10% |
| 12.407 | 98 | 62 | 98 | 0.00% |
| 12.265 | 16 | 97 | 97 | 506.25% |
| 12.688 | 75 | 100 | 97 | 29.33% |
| 12.253 | 72 | 96 | 96 | 33.33% |
| 12.053 | 50 | 94 | 95 | 90.00% |
| 12.015 | 40 | 91 | 95 | 137.50% |
| 10.970 | 69 | 61 | 95 | 37.68% |
| 12.224 | 79 | 96 | 95 | 20.25% |
| 12.726 | 18 | 90 | 94 | 422.22% |
| 11.843 | 79 | 92 | 93 | 17.72% |
| 12.360 | 72 | 90 | 91 | 26.39% |
| 11.836 | 62 | 87 | 90 | 45.16% |
| 12.207 | 199 | 101 | 90 | -54.77% |
| 12.303 | 127 | 100 | 89 | -29.92% |
| 12.012 | 101 | 91 | 89 | -11.88% |
| 11.727 | 92 | 98 | 87 | -5.43% |
| 12.284 | 34 | 86 | 86 | 152.94% |
| 11.283 | 77 | 65 | 86 | 11.69% |
| 12.268 | 88 | 87 | 86 | -2.27% |
| 11.900 | 48 | 83 | 85 | 77.08% |
| 11.862 | 32 | 84 | 84 | 162.50% |
| 12.638 | 45 | 83 | 83 | 84.44% |
| 12.516 | 78 | 83 | 83 | 6.41% |
| 11.778 | 12 | 83 | 83 | 591.67% |
| 11.635 | 68 | 81 | 82 | 20.59% |
| 12.169 | 68 | 81 | 81 | 19.12% |
| 12.476 | 71 | 94 | 80 | 12.68% |
| 12.603 | 81 | 83 | 79 | -2.47% |
| 12.472 | 90 | 78 | 79 | -12.22% |
| 12.239 | 50 | 78 | 78 | 56.00% |
| 12.574 | 219 | 76 | 78 | -64.38% |
| 12.311 | 101 | 70 | 76 | -24.75% |
| 12.632 | 72 | 73 | 75 | 4.17% |
| 12.297 | 75 | 74 | 75 | 0.00% |
| 12.545 | 88 | 73 | 75 | -14.77% |
| 12.501 | 70 | 74 | 74 | 5.71% |
| 12.130 | 30 | 74 | 74 | 146.67% |
| 12.380 | 98 | 73 | 73 | -25.51% |
| 12.414 | 109 | 88 | 73 | -33.03% |
| 11.170 | 58 | 49 | 72 | 24.14% |
| 12.608 | 14 | 73 | 72 | 414.29% |
| 11.604 | 64 | 71 | 72 | 12.50% |
| 12.326 | 154 | 72 | 72 | -53.25% |
| 11.617 | 68 | 68 | 71 | 4.41% |
| 12.604 | 182 | 71 | 70 | -61.54% |
| 12.034 | 29 | 76 | 69 | 137.93% |
| 12.565 | 55 | 66 | 69 | 25.45% |
| 11.596 | 31 | 60 | 68 | 119.35% |
| 11.010 | 82 | 22 | 67 | -18.29% |
| 12.563 | 40 | 67 | 67 | 67.50% |
| 12.607 | 45 | 67 | 66 | 46.67% |
| 12.246 | 165 | 64 | 65 | -60.61% |
| 11.623 | 46 | 61 | 65 | 41.30% |
| 12.370 | 94 | 69 | 65 | -30.85% |
| 12.723 | | 64 | 64 | Inf |
| 11.554 | 25 | 65 | 64 | 156.00% |
| 12.456 | 88 | 83 | 64 | -27.27% |
| 12.577 | 28 | 65 | 64 | 128.57% |
| 12.644 | | 56 | 63 | Inf |
| 12.384 | 82 | 63 | 63 | -23.17% |
| 12.443 | 111 | 68 | 62 | -44.14% |
| 11.642 | 76 | 53 | 62 | -18.42% |
| 12.581 | 24 | 50 | 62 | 158.33% |
| 10.972 | 64 | 62 | 61 | -4.69% |
| 11.050 | 56 | 10 | 61 | 8.93% |

## Top 40 Symbol Rate Usage Worldwide

| Symbol Rate | Dec 2007 | Nov 2008 | Dec 2008 | 2008/2007 |
|---|---|---|---|---|
| 27500 | 8963 | 9106 | 9306 | 3.83% |
| 30000 | 2260 | 2450 | 2717 | 20.22% |
| 20000 | 2801 | 2491 | 2451 | -12.50% |
| 22000 | 1276 | 1087 | 1036 | -18.81% |
| 28000 | 538 | 509 | 508 | -5.58% |
| 19510 | 446 | 456 | 456 | 2.24% |
| 21096 | 410 | 410 | 410 | 0.00% |
| 22500 | 71 | 379 | 396 | 457.75% |
| 29270 | 276 | 286 | 286 | 3.62% |
| 27800 | 267 | 289 | 277 | 3.75% |
| 28500 | 215 | 276 | 276 | 28.37% |
| 29950 | 193 | 238 | 238 | 23.32% |
| 26000 | 127 | 212 | 201 | 58.27% |
| 24500 | 130 | 210 | 196 | 50.77% |
| 27684 | 175 | 175 | 175 | 0.00% |
| 26480 | 76 | 113 | 141 | 85.53% |
| 21300 | | 106 | 106 | Inf |
| 30800 | 106 | 104 | 104 | -1.89% |
| 18000 | 7 | | 100 | 1328.57% |
| 26470 | 107 | 109 | 100 | -6.54% |
| 22425 | 83 | 93 | 93 | 12.05% |
| 27690 | 62 | 83 | 92 | 48.39% |
| 3428 | 32 | 92 | 92 | 187.50% |
| 28800 | 51 | 89 | 90 | 76.47% |
| 40700 | 25 | 86 | 89 | 256.00% |
| 33483 | 19 | 89 | 89 | 368.42% |
| 26667 | 136 | 85 | 86 | -36.76% |
| 27489 | | 85 | 85 | Inf |
| 20600 | 81 | 82 | 81 | 0.00% |
| 25000 | 48 | 48 | 78 | 62.50% |
| 29000 | 61 | 59 | 74 | 21.31% |
| 26652 | 29 | 64 | 74 | 155.17% |
| 28100 | 71 | 76 | 72 | 1.41% |
| 25600 | 70 | 70 | 70 | 0.00% |
| 28700 | 25 | 70 | 70 | 180.00% |
| 28125 | 94 | 67 | 67 | -28.72% |
| 24440 | 284 | 66 | 63 | -77.82% |
| 26657 | 30 | 62 | 63 | 110.00% |
| 3255 | 46 | 65 | 63 | 36.96% |

## Top 80 C band Frequencies Worldwide

| Frequency | Dec 2007 | Nov 2008 | Dec 2008 | 2008/2007 |
|---|---|---|---|---|
| 4.000 | 128 | 117 | 114 | -10.94% |
| 4.060 | 193 | 103 | 103 | -46.63% |
| 4.175 | 70 | 71 | 101 | 44.29% |
| 4.040 | 94 | 89 | 92 | -2.13% |
| 4.080 | 83 | 93 | 90 | 8.43% |
| 4.055 | 113 | 63 | 90 | -20.35% |
| 4.180 | 47 | 71 | 72 | 53.19% |
| 4.140 | 55 | 64 | 64 | 16.36% |
| 4.100 | 47 | 60 | 63 | 34.04% |
| 4.120 | 70 | 62 | 62 | -11.43% |
| 4.020 | 79 | 59 | 59 | -25.32% |
| 4.160 | 51 | 40 | 40 | -21.57% |
| 4.025 | 23 | 48 | 34 | 47.83% |
| 4.071 | 2 | 33 | 34 | 1600.00% |
| 4.179 | 23 | 32 | 32 | 39.13% |
| 4.083 | 9 | 32 | 32 | 255.56% |
| 4.177 | | 22 | 31 | Inf |
| 4.106 | 29 | 29 | 29 | 0.00% |
| 4.147 | 24 | 25 | 25 | 4.17% |
| 4.067 | 22 | 22 | 22 | 0.00% |
| 4.004 | | 13 | 20 | Inf |
| 4.124 | 12 | 18 | 18 | 50.00% |
| 4.151 | 17 | 17 | 17 | 0.00% |
| 4.185 | 35 | 17 | 17 | -51.43% |
| 4.043 | 19 | 17 | 17 | -10.53% |
| 4.087 | 17 | 16 | 17 | 0.00% |
| 4.041 | 17 | 17 | 17 | 0.00% |
| 4.064 | 17 | 16 | 16 | -5.88% |
| 4.125 | 10 | 3 | 14 | 40.00% |
| 4.005 | 18 | 20 | 14 | -22.22% |
| 4.113 | 8 | 8 | 13 | 62.50% |
| 4.062 | 17 | 13 | 13 | -23.53% |
| 4.084 | 34 | 2 | 12 | -64.71% |
| 4.143 | 9 | 11 | 11 | 22.22% |
| 4.149 | 4 | 10 | 11 | 175.00% |
| 4.107 | 7 | 9 | 9 | 28.57% |
| 4.168 | 9 | 9 | 9 | 0.00% |
| 4.192 | 8 | 8 | 8 | 0.00% |
| 4.110 | 12 | 8 | 8 | -33.33% |
| 4.189 | 4 | 8 | 8 | 100.00% |
| 4.184 | 1 | 8 | 8 | 700.00% |
| 4.159 | | 8 | 8 | Inf |
| 4.157 | 7 | 7 | 7 | 0.00% |
| 4.091 | 6 | 7 | 7 | 16.67% |
| 4.021 | 14 | 7 | 7 | -50.00% |
| 4.034 | 8 | 7 | 7 | -12.50% |
| 4.092 | 8 | 7 | 7 | -12.50% |
| 4.118 | 5 | 6 | 6 | 20.00% |
| 4.065 | 5 | 6 | 6 | 20.00% |
| 4.042 | 9 | 5 | 6 | -33.33% |
| 4.172 | 6 | 6 | 6 | 0.00% |
| 4.054 | 5 | 5 | 6 | 20.00% |
| 4.132 | 3 | 5 | 6 | 100.00% |
| 4.130 | 4 | 6 | 6 | 50.00% |
| 4.114 | 2 | 7 | 6 | 200.00% |
| 4.166 | 7 | 6 | 6 | -14.29% |
| 4.126 | 5 | 6 | 6 | 20.00% |
| 4.170 | 6 | 5 | 6 | 0.00% |
| 4.137 | 4 | 6 | 6 | 50.00% |
| 4.012 | 2 | 2 | 5 | 150.00% |
| 4.097 | | 4 | 5 | Inf |
| 4.133 | 3 | 5 | 5 | 66.67% |
| 4.010 | 5 | 6 | 5 | 0.00% |
| 4.105 | 8 | 3 | 5 | -37.50% |
| 4.031 | 1 | 3 | 5 | 400.00% |
| 4.053 | 6 | 1 | 5 | -16.67% |
| 4.059 | 4 | 5 | 5 | 25.00% |
| 4.158 | 7 | 5 | 5 | -28.57% |
| 4.045 | 7 | 5 | 5 | -28.57% |
| 4.075 | 9 | 5 | 5 | -44.44% |

## Top 80 TV Channels per Coverage Zones

| Coverage code | Dec 2007 | Nov 2008 | Dec 2008 | 2008/2007 |
|---|---|---|---|---|
| HOT008KB | 720 | 597 | 562 | -21.94% |
| NIM001KB | 861 | 459 | 463 | -46.23% |
| HOT07AKE | 279 | 424 | 443 | 58.78% |
| HOT006KB | 418 | 392 | 395 | -5.50% |
| ECH007KB | 345 | 345 | 345 | 0.00% |
| AST01HKU | 541 | 342 | 343 | -36.60% |
| INT009CA | 277 | 277 | 277 | 0.00% |
| ECH003KB | 425 | 268 | 260 | -38.82% |
| ASI03SCB | 252 | 235 | 247 | -1.98% |
| MEA003KI | 116 | 273 | 246 | 112.07% |
| BADR04KB | 218 | 229 | 229 | 5.05% |
| INT03RAM | 217 | 218 | 218 | 0.46% |
| AST1KRKU | 255 | 232 | 215 | -15.69% |
| HIS01DKE | 165 | 198 | 211 | 27.88% |
| AST01GKU | 325 | 209 | 210 | -35.38% |
| GXY025KB | 224 | 214 | 206 | -8.04% |
| NIM002KB | 48 | 196 | 202 | 320.83% |
| HIS01CKS | 242 | 206 | 195 | -19.42% |
| NSS806CH | 227 | 189 | 189 | -16.74% |
| INS04BKB | 132 | 188 | 188 | 42.42% |
| AST03AKU | 116 | 183 | 184 | 58.62% |
| NIL102KB | 234 | 183 | 183 | -21.79% |
| INS04AKB | 170 | | 179 | 5.29% |
| SIR004NO | | 189 | 179 | Inf |
| OPT0D2KA | | 146 | 160 | Inf |
| NSS006IN | 139 | 138 | 156 | 12.23% |
| INT10023 | 114 | 148 | 148 | 29.82% |
| HEL002F1 | 174 | 153 | 144 | -17.24% |
| TEL010CG | 121 | 85 | 139 | 14.88% |
| CHI06BCB | 125 | 140 | 135 | 8.00% |
| ECH001KB | 134 | 134 | 134 | 0.00% |
| AST02DKB | 135 | 127 | 131 | -2.96% |
| EUB001KF | 181 | 117 | 130 | -28.18% |
| EUB002FB | | 132 | 127 | Inf |
| NIL101KB | 112 | 127 | 127 | 13.39% |
| THO002KU | 110 | 129 | 127 | 15.45% |
| THO003KU | 131 | 156 | 127 | -3.05% |
| SIR004EU | | 122 | 124 | Inf |
| EUTAB4MK | 87 | 124 | 124 | 42.53% |
| EUTW3ABB | 115 | 129 | 122 | 6.09% |
| JCS003KJ | 122 | 122 | 122 | 0.00% |
| KOR003KB | 36 | 122 | 122 | 238.89% |
| EUB009KW | 85 | 126 | 120 | 41.18% |
| INS04ACB | 78 | 110 | 116 | 48.72% |
| EUB001S1 | 168 | 105 | 112 | -33.33% |
| INT007SA | 124 | 40 | 111 | -10.48% |
| INT010CV | 92 | 101 | 108 | 17.39% |
| GXY015CB | 108 | 108 | 108 | 0.00% |
| BRA0B1CN | 106 | 106 | 106 | 0.00% |
| AST01LKU | | 113 | 104 | Inf |
| INTAM6KB | 66 | 104 | 104 | 57.58% |
| OPT0C1NA | 100 | 100 | 103 | 3.00% |
| INT008KA | 49 | 101 | 101 | 106.12% |
| THA005CR | 88 | 97 | 101 | 14.77% |
| AMO002ME | 99 | 99 | 99 | 0.00% |
| EUT0W4EU | 141 | 98 | 98 | -30.50% |
| AMC011CB | 95 | 95 | 95 | 0.00% |
| JCS04AKJ | 93 | 93 | 93 | 0.00% |
| AMO001EA | 91 | 91 | 91 | 0.00% |
| BADR03KB | 67 | 91 | 91 | 35.82% |
| ASI004CB | | 94 | 91 | Inf |
| AMO001EU | 82 | 90 | 90 | 9.76% |
| BRA0B3CN | 89 | 89 | 89 | 0.00% |
| AST02ASO | 88 | 83 | 85 | -3.41% |
| TUR02AKW | 320 | 84 | 83 | -74.06% |
| AMC004CA | 82 | 82 | 82 | 0.00% |
| GXY10RCB | 87 | 81 | 81 | -6.90% |

## Top 40 Radio Channels Coverage Zones

| Coverage code | Dec 2007 | Nov 2008 | Dec 2008 | 2008/2007 |
|---|---|---|---|---|
| HOT008KB | 331 | 276 | 255 | -22.96% |
| CHI06BCB | 101 | 108 | 181 | 79.21% |
| AST01HKU | 391 | 176 | 174 | -55.50% |
| HOT006KB | 155 | 166 | 168 | 8.39% |
| GXY025KB | 164 | 135 | 131 | -20.12% |
| AST03AKU | 37 | 130 | 130 | 251.35% |
| GXY10RCB | 116 | 115 | 115 | -0.86% |
| HOT07AKE | 49 | 103 | 105 | 114.29% |
| JCS003KJ | 102 | 102 | 102 | 0.00% |
| APS005K2 | 29 | 57 | 97 | 234.48% |
| OPT0D2KA | | 77 | 90 | Inf |
| NIM001KB | 162 | 85 | 86 | -46.91% |
| INT007SA | 106 | 52 | 85 | -19.81% |
| TEL010KB | 2 | 81 | 81 | 3950.00% |
| INT010CV | 73 | 75 | 75 | 2.74% |
| AST02ANO | 48 | 75 | 75 | 56.25% |
| AST01LKU | | 74 | 74 | Inf |
| EUTW3ABA | 82 | 73 | 72 | -12.20% |
| TEL010CG | 58 | 62 | 65 | 12.07% |
| ECH007KB | 62 | 62 | 62 | 0.00% |
| NIL101KB | 58 | 60 | 60 | 3.45% |
| BADR04KB | 86 | 60 | 60 | -30.23% |
| TUR02AKW | 318 | 62 | 60 | -81.13% |
| INT009CA | 55 | 55 | 55 | 0.00% |
| OPT0C1NB | 51 | 50 | 50 | -1.96% |
| NSS703GL | 53 | 24 | 48 | -9.43% |
| THO003KU | 42 | 45 | 47 | 11.90% |
| EUB002FB | | 45 | 46 | Inf |
| HEL002F1 | 46 | 44 | 45 | -2.17% |
| JCS003CA | 42 | 42 | 42 | 0.00% |
| HIS01CKS | 41 | 38 | 42 | 2.44% |
| EUTAB3SB | 24 | 41 | 41 | 70.83% |
| AST02BNO | 42 | 37 | 39 | -7.14% |
| EXPAM2CR | 24 | 38 | 38 | 58.33% |
| GXY04RKV | 38 | 38 | 38 | 0.00% |

Edited by
Alexander Wiese

# 20 Years Ago

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**Issue 01/1988**

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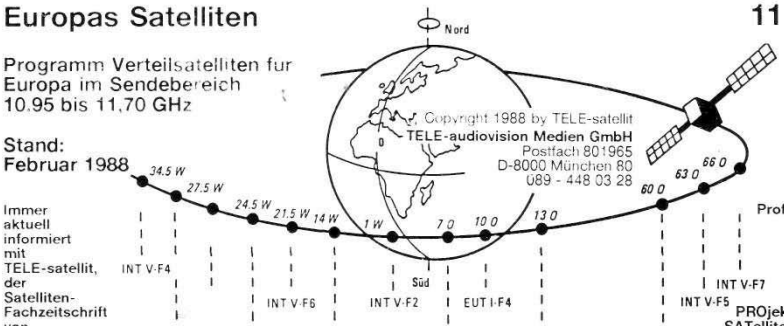
## Satelliten-Empfang

Nur in TELE satellit: die aktuellsten, nachgeprüften Satelliten-Tabellen für Europa

### Europas Satelliten — 11 GHz

Programm Verteilsatelliten für Europa im Sendebereich 10,95 bis 11,70 GHz

Stand: Februar 1988




Immer aktuell informiert mit TELE-satellit, der Satelliten-Fachzeitschrift von TELE-audiovision 089 - 448 03 28

Professionelle Kunden werden direkt beraten von PROSAT PROjektberatung SATellitenempfang Karlsruhe 0721 - 40 25 62

### Fernsehen über Satellit — 11 GHz

| Satellit | Position Grad | Programm | Sendeland | Sprache | Frequenz GHz | Polarisation | Beam | Bildnorm | Videotext | Tonfr. MHz | Scrambl. | Empfang | Leistung dBW | Zeiten h | Bemerkungen |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| INTELSAT VA-F11 | 27.5 W | MTV Europe | USA/Groß | englisch | 10.98 | Horiz | West | PAL/Neg. | - | 6.60 | - | Frei | 46 | 24 | Videoclips |
| | | | | | | | | | | 7.02 & 7.20 | | (WEGENER-System) | | | Begleitton Stereo |
| | | Canal 10 | Großbrit. | spanisch | 10.98 | Vertikal | Ost | PAL/Neg. | - | 6.60 & 7.20 | - | - | 46 | 24 | Spielfilme |
| | | Children's Channel / Premium Len (Time Sharing) | Großbrit | englisch | 11.02 | Horiz | West | PAL/Neg. | ja | 6.60 | - | Pay-TV | 46 | 24 | Kinderpr. / Spielfilme |
| | | | | | | | | | | 7.02 & 7.20 | | (WEGENER-System) | | | Begleitton Stereo |
| | | Arts Channel / Lifestyle / Screensport (Time Sharing) | Großbrit. | englisch | 11.14 | Horiz | West | PAL/Neg. | * - | 6.60 | - | Pay-TV | 46 | 24 | Kultur / Hausfrauen / Sport |
| | | | | | | | | | | 7.02 & 7.20 | | (WEGENER-System) | | | Begleitton Stereo |
| | | CNN International | USA/Groß | englisch | 11.15 | Vertikal | Ost | PAL/Neg. | - | 6.60 | - | Pay-TV | 46 | 24 | Nachrichten + Information |
| | | | | | | | | | | 7.38 | | | | | Datenübertragung |
| | | BBC 1/2 | Großbrit | englisch | 11.18 | Horiz | West | SAT-TEL | ja | 6.60 | ja | Pay-TV | 46 | 24 | Unterhaltung + Kultur |
| | | EBU-PVS | - | - | 11.47 | Vertikal | West | PAL/Neg. | - | 6.60 | - | Frei | 46 | 24 | Videoübertragungen |
| | | Anglovision | USA/Groß | englisch | 11.51 | Vertikal | Ost | PAL/Neg. | - | 6.60 | - | Pay-TV | 46 | - | Nachrichten - in Vorbereitung |
| | | TV3 / Satellite Information Service (Time Sharing) | GB/Schw. | englisch | 11.59 | Horiz | West | B-MAC | - | - | ja | cl.circ. | 46 | 24 | Unterhaltung / Pferderennen |
| INTELSAT VA-F10 | 24.5 W | (derzeit kein TV-Programm) | | | | | | | | | | | | | |
| INTELSAT V-F6 | 21.5 W | Telespazio | Italien | italien | 10.98 | Vertikal | West | PAL/Neg. | - | 6.65 | - | - | 46 | - | nur Testsendungen |
| | | Telespazio | Italien | italien | 11.13 | Vertikal | West | PAL/Neg. | - | 6.65 | - | - | 46 | - | nur Testsendungen |
| | | Telespazio | Italien | italien | 11.17 | Vertikal | West | PAL/Neg. | - | 6.65 | - | - | 46 | - | nur Testsendungen |
| GORIZONT 12 | 14 West | TV Test | Sowjetun. | russisch | 11.51 | Linksz. | Ost | SECAM/N - P | - | 7.00 | - | - | 43 | - | nur Testsendungen |
| INTELSAT V-F2 | 1 West | Nrrjuss | Norwegen | norweg. | 11.01 | Horiz | West | PAL/Neg. | - | 6.60 | - | Pay-TV | 44 | - | nur Testsendungen |
| | | Kanal 1 | Schweden | schwed. | 11.13 | Horiz | West | C-MAC | ja | - | - | Frei | 44 | 24 | Unterhaltung + Kultur |
| | | STV2 | Schweden | schwed. | 11.17 | Horiz | West | C-MAC | ja | - | - | Frei | 44 | 24 | Unterhaltung + Kultur |
| | | TV1 | Israel | hebräisch | 11.19 | Vertikal | Ost | PAL/Neg. | - | 6.60 | - | Frei | 43 | 24 | nur Testsendungen - DX |
| | | TV2 | Israel | hebräisch | 11.59 | Vertikal | Ost | PAL/Neg. | - | 6.60 | - | Frei | 43 | 24 | nur Testsendungen - DX |
| | | TV Test | | | 11.69 | Horiz | West | PAL/Neg. | - | 6.60 | - | - | 44 | - | nur Testsendungen |
| | | New World Chan. | Norwegen | engl./norweg. | 11.47 | Horiz | West | PAL/Neg. | - | 6.60 | - | Frei | 44 | 2 | Religiöse Progr. |
| EUTELSAT I-F2 | 7 Ost | Worldnet | USA | englisch | 11.59 | Horiz | Ost | SECAM/N | - | 6.60 | - | Frei | 45 | 8 | Information |
| EUTELSAT I-F4 | 10 Ost | NRK | Norwegen | norwegisch | 11.20 | Vertikal | West | C-MAC | ja | - | - | Frei | 45 | 24 | Unterhaltung + Kultur |
| | | TVE I | Spanien | spanisch | 11.65 | Vertikal | West | PAL/Neg. | ja | 6.60 | - | Frei | 45 | 24 | Unterhaltung + Kultur |
| EUTELSAT I-F1 | 13 Ost | Teledub | Schweiz | deutsch | 10.98 | Vertikal | West | PAL/Neg. | - | 6.50 | - | Pay-TV | 45 | 24 | Spielfilme |
| | | | | | | | | | | 5.50 | | | | | (Schaltsignal Kabelscrambler) |
| | | RAI UNO | Italien | italien | 11.00 | Horiz. | West | PAL/Neg. | ja | 6.60 | - | Frei | 45 | 24 | Unterhaltung + Kultur |
| | | RTL plus | Luxemburg | deutsch | 11.08 | Vertikal | Ost | PAL/Neg. | - | 6.65 | - | Frei | 45 | 24 | Unterhaltung |
| | | Filmnet | Belgien | engl./holl. | 11.14 | Vertikal | West | PAL/Pos | ja | 6.65 | ja | Pay-TV | 45 | 24 | Spielfilme |
| | | | | | | | | | | 7.02 | | (PANDA-System) | | | Begleiton schwedisch |
| | | | | | | | | | | 7.15 & 7.61 | | | | | (Schaltsignal Kabelscrambler) |
| | | 3SAT | BRD | deutsch | 11.17 | Horiz. | West | PAL/Neg. | - | 6.60 | - | - | 45 | - | Unterhaltung |
| | | TV5 | Frankreich | französisch | 11.47 | Horiz | West | PAL/Neg. | - | 6.65 | - | Frei | 45 | 8 | Unterhaltung + Kultur |
| | | Worldnet | USA | englisch | 11.48 | Horiz | West | PAL/Neg. | - | 6.65 | - | Frei | 45 | 8 | Information |
| | | SAT1 | BRD | deutsch | 11.50 | Vertikal | West | PAL/Neg. | - | 6.65 | - | Frei | 45 | 24 | Unterhaltung |
| | | Sky Channel | Großbrit. | englisch | 11.65 | Horiz | West | PAL/Neg. | ja | 6.65 | - | Frei | 45 | 24 | Unterhaltung |
| | | | | | | | | | | 7.02 & 7.20 | | (WEGENER-System) | | | Begleiton Stereo |
| | | Super Channel | Grobrit. | englisch | 11.67 | Vertikal | West | PAL/Neg. | ja | 6.65 | - | Frei | 45 | 24 | Unterhaltung + Kultur |
| | | | | | | | | | | 7.02 & 7.20 | | (WEGENER-System) | | | Begleiton Stereo |
| INTELSAT VA-F12 | 60 Ost | 3SAT | BRD | deutsch | 10.97 | Horiz | West | PAL/Neg. | - | 6.65 | - | Frei | 46 | 24 | Unterhaltung |
| | | AFN-TV | USA/BRD | englisch | 10.99 | Vertikal | Ost | B-MAC | - | - | ja | cl.circ. | 46 | 24 | Unterhaltung |
| | | West 3 | BRD | deutsch | 11.01 | Horiz. | West | PAL/Neg. | ja | 6.65 | - | Frei | 46 | 24 | Unterhaltung |
| | | Tele 5 | BRD | deutsch | 11.13 | Horiz | West | PAL/Neg. | - | 6.65 | - | Frei | 46 | 24 | Videoclips |
| | | Bayerisches Fern. | BRD | deutsch | 11.17 | Horiz | West | PAL/Neg. | ja | 6.65 | - | Frei | 46 | 24 | Unterhaltung |
| | | Eins Plus | BRD | deutsch | 11.55 | Horiz. | West | PAL/Neg. | - | 6.65 | - | Frei | 46 | 24 | Unterhaltung |
| | | eureka tv | BRD | deutsch | 11.60 | Horiz | West | PAL/Neg. | - | 6.65 | - | Frei | 46 | 24 | Information |
| INTELSAT V-F5 | 63 Ost | IRIB TV2 | Iran | farsi | 10.99 | Vertikal | West | PAL/Neg. | - | 6.80 | - | Frei | 46 | 24 | nur Testsendungen - DX |
| | | IRIB TV1 | Iran | farsi | 11.15 | Vertikal | West | PAL/Neg. | - | 6.80 | - | Frei | 46 | 24 | Kultur - DX |
| INTELSAT V-F7 | 66 Ost | AFRTS-E2 | USA | englisch | 11.47 | Horiz. | West | NTSC/Neg. | ja | 6.80 | - | cl.circ | 43 | 24 | Unterhaltung - DX |
| | | TRT 1 | Türkei | türkisch | 11.65 | Horiz. | West | PAL/Neg. | - | 6.80 | - | Frei | 43 | 24 | Unterhaltung - DX |
| | | TRT 2 | Türkei | türkisch | 11.68 | Horiz. | West | PAL/Neg. | - | 6.80 | - | Frei | 43 | 24 | Unterhaltung - Testsendung - DX |

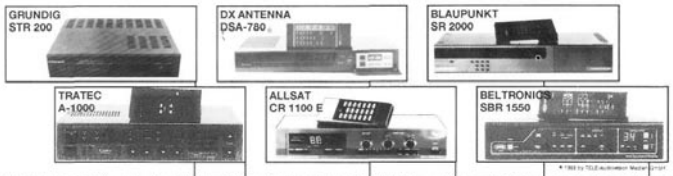
Zusammengestellt nach Empfangsmessungen von PROSAT PROjektberatung SATellitenempfang. © 1988 by PROSAT
Tabellen © 1988 by TELE-audiovision Medien GmbH

### Radio über Satellit — 11 GHz

| Satellit | Position Grad | Programm | Sendeland | Sprache | Frequenz GHz | Polarisat. | Beam | Tonnorm | Tonfrequenz MHz | Scram | Empfang | Leistung dBW | Zeiten h | Bemerkungen |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| INTELSAT VA-F11 | 27.5 W | BBC Worldserv. | Großbrit. | englisch | 11.18 | Horiz | West | WEGENER | 7.02 | - | Frei | 45 | 24 | Mono // Kurzwelle |
| | | BBC Worldserv. | Großbrit. | diverse | 11.18 | Horiz. | West | WEGENER | 7.20 | - | Frei | 45 | 24 | Mono - Auslandsprogramme |
| INTELSAT V-F2 | 1 West | KOL Israel | Israel | hebräisch | 11.19 | Vertikal | Ost | Standard | 7.30 | - | Frei | 45 | 24 | Testsendungen |
| EUTELSAT I-F4 | 10 Ost | NRK P1 | Norwegen | norweg. | 11.20 | Vertikal | West | Digital/MAC | - | - | Frei | 45 | 24 | Inlandsprogramm Stereo |
| | | NRK P2 | Norwegen | norweg. | 11.20 | Vertikal | West | Digital/MAC | - | - | Frei | 45 | 24 | Inlandsprogramm Stereo |
| EUTELSAT I-F1 | 13 Ost | Radio Luxemburg | Luxemburg | deutsch | 11.08 | Vertikal | Ost | WEGENER | 7.02 & 7.20 | - | Frei | 45 | 24 | Stereo |
| | | Radio Toon | Niederl. | englisch/hol. | 11.14 | Vertikal | West | WEGENER | 7.56 & 7.74 | - | Frei | 45 | 24 | Stereo |
| | | Cable One | Niederl. | englisch | 11.17 | Horizontal | West | WEGENER | 7.92 & 8.10 | - | Frei | 45 | 24 | Testsendungen |
| | | Voice of America | USA | englisch | 11.50 | Vertikal | West | WEGENER | 7.02 & 7.20 | - | Frei | 45 | 24 | Stereo |
| | | BBC Worldser. | Großbrit. | englisch | 11.67 | Vertikal | West | WEGENER | 7.38 | - | Frei | 45 | 24 | Mono // Kurzwelle |
| | | BBC Worldser. | Großbrit. | diverse | 11.67 | Vertikal | West | WEGENER | 7.56 | - | Frei | 45 | 24 | Mono - Auslandsprogramme |
| | | Deutschlandfunk | BRD | deutsch | 11.01 | Horiz. | West | WEGENER | 7.02 & 7.20 | - | Frei | 46 | 24 | Stereo |
| | | Radio Media | BRD | deutsch | 11.17 | Horizontal | West | WEGENER | 7.02 & 7.20 | - | Frei | 46 | 24 | Stereo |
| | | Digital Test | BRD | deutsch | 11.45 | Vertikal | Ost | Digital | - | - | Frei | 44 | 24 | div. Privatradios |
| | | IRIB Radio 2 | Iran | farsi | 10.99 | Vertikal | West | Standard | 6.18 | - | Frei | 46 | 24 | Testsendungen - DX |
| | | IRIB Radio 1 | Iran | farsi | 11.17 | Vertikal | West | Standard | 6.18 | - | Frei | 46 | 24 | Inlandsprogramm - DX |

Erläuterungen: «DX» Empfang = Mitteleuropa nur mit erhöhtem Aufwand möglich; «cl.circ.» = closed circuit; - Empfang für die Allgemeinheit nicht freigegeben

# Satelliten Receiver

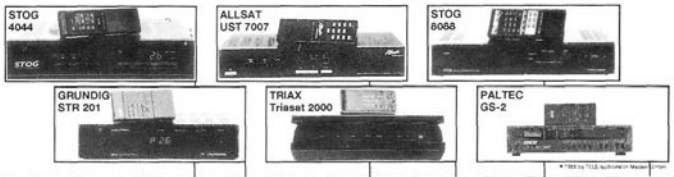



| Hersteller/Importeur | GRUNDIG STR 200 | TRATEC A-1000 | DX ANTENNA DSA-780 | ALLSAT CR 1100 E | BLAUPUNKT SR 2000 | BELTRONICS SBR 1550 |
|---|---|---|---|---|---|---|
| Gerätebezeichnung | A 600 019 | A 676 022 US | A 676 011 US | A 676 007 US | A 607 542 U | A 676 002 U |
| ZZF-Nummer | - | - | - | Frequenzwahl | - | Auf/Ab |
| Fernbedienungsfunktionen | ja | ja + Fein | ja | ja | ja | - |
| Kanalwahl | - | ja | ja | ja | - | ja |
| Lautstärke | - | ja | ja | ja | - | ja |
| Mute-Taste | - | ja | ja | ja | - | ja |
| Tonfrequenzeinstellung | - | - | - | - | - | ja |
| Skew (Polarizer | - | - | - | - | - | ja |
| Scanning (Frequenz) | ja | ja | ja (mit Empfang) | man. + autom. | ja | ja |
| Programmdurchlauf | ja | ja | 80 | ja | 40 | manuell |
| Drehelnricht. (Actuator) | frei belegbar | frei belegbar | fest belegbar | frei belegbar | frei belegbar | - |
| Steuerung Videorecorder | ja | nein | nein | ja | ja | ja |
| Bereitschaftstaste | Relais eingebaut | ja | ja | ja (nachrüstbar) | Relais eingebaut | 60 ÷ 20 |
| Programmplätze | Zusatzgerät über Treppensp. | 29 | ja | LED-Kette | Zusatzgerät über Treppensp. | fest belegt |
| Belegung | - | frei belegbar | ja | - | LED + Display | ja |
| vorprogrammierte Speicher | Kanalziffern | nein | LED-Kette | Kanalziffern | - | Display |
| Polarisationsrelaisanschluß | von 00 bis 99 | ja | - | von 01 bis 99 | Kanalziffern | Kanalziffern |
| Polarizeranschluß | - | Zeiger | direkt | - | von 00 bis 99 | von 00-60, 00-80 |
| Drehelnrichtungsanschluß | ja | direkt | Empfangsfrequ. | Kanalziffern | - | ja |
| Feldstärkeinstrument | - | Block-ZF | - | von 01 bis 99 | fest | fest |
| Feldstärke Meßausg. (AGC) | - | - | fest | - | - | ja |
| Frequenzanzeige | fest | fest | ja | - | ja | + 18 Volt |
| Einheit | ja | sep.Ausgang | ja (Drahtbrücke) | + 18 Volt | ja | programmierbar |
| Automatischer Scanner | ja | ja (Metallbrücke) | - 20 Volt | ja | ja | 5 bis 8.5 MHz |
| AFC-Schalter | ja | - 15 Volt | ja | manuell | möglich | ja |
| Clamp Schalter | ja | ja | programmierbar | 5 bis 8 MHz | 50-75, J17 | möglich |
| Fernspeisung schaltbar | - | programmierbar | 5 bis 8.5 MHz | ja | F 75 Ohm | 50-75, J17 |
| Fernspeisespannung | + 15 Volt | 5 bis 8 MHz | möglich | 50-75, J17 | 480 MHz | F 75 Ohm |
| Video-Invers-Schalter | - | nachrüstbar | 50-75, J17 | F 75 Ohm | 2-stufig | 70 MHz |
| Tonträgerfrequenz | programmierbar | möglich | F 75 Ohm | 480 MHz | Cinch | 2-stufig 22 + 27 |
| Tonfrequenzbereich | 6.5-6.65, 5.8 | 50, 75 | 130 MHz | 2-stufig | D2-MAC | nicht geprüft |
| Stereoton, Zweiton | - | 2 x BNC 75 Ohm | 2-stufig | Cinch | - | BNC |
| Audio Schmalb. Empfang | ja | 480 MHz | ja | nicht geprüft | - | eig. Buchse |
| Ton Deemph. (Entzerrung) | Kanalziffern | fest 27 MHz | BNC | Cinch | - | BNC |
| Block-ZF Eingang (1. ZF) | von 00 bis 99 | ja | nicht geprüft | 2 x Cinch | - | Cinch |
| 2. Zwischenfrequenz | - | SCART | BNC | - | - | - |
| 2. ZF Bandbreite | - | nicht geprüft | Cinch | - | - | - |
| Hub-Anpassung | - | BNC | - | - | - | - |
| Basisband Ausgang | - | nicht geprüft | - | - | - | - |
| MAC Deemphasis | - | BNC | - | - | - | - |
| Video Ausgang | - | Cinch | - | - | - | - |
| Audio Ausgang Mono | - | - | - | - | - | - |
| Audio Ausgang Stereo | - | - | - | - | - | - |
| Video/Audio Ausgang (AV) | - | - | - | - | - | - |
| SCART Ausgang | - | - | - | - | - | - |
| UHF Modulationsausgang | - | - | - | - | - | - |
| Antennendurchschleifung | - | - | - | - | - | - |
| Testbildgenerator | - | - | - | - | - | - |
| ASTRA kompatibel | ja | IEC | F | IEC | 2 x SCART | IEC |
| DBS kompatibel | ja | ja | ja | ja | IEC | ja |
| Bedienungsanleitung | kompatibel | kompatibel | kompatibel | kompatibel | ja | 60 Kanal |
| Testbericht abgedruckt in | mit MAC-Decod. | mit MAC-Decod. | mit MAC-Decod. | mit MAC-Decod. | kompatibel | mit MAC Decod. |
| TESTERGEBNIS | in deutsch + engl. | in englisch | in englisch | deutsch + engl. | mit MAC-Decod. | deutsch + engl. |
| Empfindlichkeit | TELE-audiov. 36 | TELE-audiov. 38 | TELE-audiov. 39 | TELE-audiov. 39 | deutsch + engl. | TELE-satellit 41 |
| Bildqualität | - | - | - | - | TELE-audiov. 40 | - |
| Tonqualität Mono | sehr gut | gut | gut | gut | - | gut |
| Tonqualität Stereo/Zweiton | sehr gut | sehr gut | sehr gut | sehr gut | sehr gut | sehr gut |
| AFC Wirkung | sehr gut | sehr gut | sehr gut | sehr gut | sehr wirkungsvoll | befriedigend |
| 2. ZF Bandbreitenreduzier. | befriedigend | wirkungsvoll | wirkungsvoll | (manuell) wirkungsvoll | - | sehr gut |
| Bedienungskomfort | - | sehr gut | sehr gut | gut | gut | sehr wirkungsvoll |
| Kurzschlußtest Fernspeis. | gut | wirkungsvoll | wirkungsvoll | nicht geprüft | nicht geprüft | gut |
| Zustand nach Netzausfall | überstanden | sehr gut | sehr gut | Frequenz 1 | Bereitschaft | nicht geprüft |
| Einsatzmöglichkeiten | Programm 1 | überstanden | Programm 1 | Heimgerät/DX | Heimgerät/DX | Frequenz 2 |
| Bereitstellung des Testger. | universell/GA | Gedächt. verlor. | Heimgerät/DX | ALLSAT | BLAUPUNKT | Heimgerät |
| TELE-satellit Referenzem. | GRUNDIG | Heimgerät/DX | NEVELING | (nur komplett) | STOG | BELTRONICS |
| ce Preis | - | TRATEC | - | Allsat | - | - |
| Bezugsquellennachweis | DM 1000.- | für Torempfang | DM 1600.- | Albrecht Dürer 2 | Blaupunkt | Roermonder Str. |
| | Grundig | DM 1200.- | Neveling | D-6720 Speyer | Rob.-Bosch 200 | 594 |
| | Kurgartenstr. 37 | Braun btv | Postfach 300703 | | D-3200 Hil- | |
| | D-8510 Fürth | Engel. Damm 99 | D-4000 Düssel- | | desheim | D-5100 Aachen |
| | | D-3000 Han- | dorf 30 | | | |
| | | nover 1 | | | | |





English Summary
Europe's 12 most commonly used satellite receivers. All have been tested. Ratings read »very good« (= sehr gut), »good« (= gut) and »fair« (= befriedigend). Rating categories include »Sensitivity« (= Empfindlichkeit), »Picture Quality« (= Bildqualität), »Sound Quality« Mono and Stereo - (Tonqualität) and »Usability« (= Bedienungskomfort). New receivers appearing on Europe's market and having some impact will be added with future tables.




| Hersteller/Importeur | STOG 4044 | GRUNDIG STR 201 | ALLSAT UST 7007 | TRIAX TRIASAT 2000 | STOG 8088 | PALTEC GS-2 |
|---|---|---|---|---|---|---|
| Gerätebezeichnung | beantragt | A 600 132 V | A 676 148 V | - | A 676 035 U | beantragt |
| ZZF-Nummer | - | - | - | - | - | - |
| Fernbedienungsfunktionen | Auf/Ab | ja - FB 650 data | ja | ja + Fein | ja + Fein | Auf/Ab |
| Kanalwahl | - | nur über FB 650 | - | - | - | - |
| Lautstärke | - | nur über FB 650 | - | - | - | ja |
| Mute-Taste | - | - | - | - | - | ja |
| Tonfrequenzeinstellung | - | - | - | - | - | ja |
| Skew (Polarizer | - | - | - | - | - | ja |
| Scanning (Frequenz) | - | automatisch | ja | ja | ja | ja |
| Programmdurchlauf | ja | automatisch | ja | ja | ja | autom. + man. |
| Drehelnricht. (Actuator) | ja | ja | ja | ja | ja | - |
| Steuerung Videorecorder | ja | ja | ja | ja | ja | ja |
| Bereitschaftstaste | 36 | 49 | 999 | 30 | 50 | 99 |
| Programmplätze | frei belegbar | frei belegbar | frei belegbar | frei belegbar | frei belegbar | frei belegbar |
| Belegung | ja | ja | ja | nur Originalrel. | ja | ja |
| vorprogrammierte Speicher | ja, umsteckbar | Relais eingebaut | ja | nur Originalpol. | ja | ja, Puls |
| Polarisationsrelaisanschluß | 2 Versionen | 2 Versionen | - | nur Originaldreh. | - | nur Originaldreh. |
| Polarizeranschluß | - | über Matrix | - | - | - | Zeiger |
| Drehelnrichtungsanschluß | LED-Kette | Zeiger | direkt | - | im Bildschirm | ja |
| Feldstärkeinstrument | - | - | - | Kanalziffern | - | direkt |
| Feldstärke Meßausg. (AGC) | Kanalziffern | Kanalziffern | Block-ZF | von 00 bis 99 | Block-ZF | Block-ZF |
| Frequenzanzeige | von 00 bis 99 | von 00 bis 99 | - | - | - | - |
| Einheit | - | - | - | - | - | elg. Buchse |
| Automatischer Scanner | fest | fest | - | - | - | - |
| AFC-Schalter | - | - | ja | + 18 Volt | + 15 Volt | + 15 Volt |
| Clamp Schalter | ja | ja | - 18 V, -13/20 V | - | - | - |
| Fernspeisung schaltbar | + 18 Volt | + 15 Volt | - | programmierbar | programmierbar | programmierbar |
| Fernspeisespannung | ja | programmierbar | programmierbar | 5.6 bis 8.5 MHz | 5 bis 8.5 MHz | 5-8.5 MHz |
| Video-Invers-Schalter | - | programmierbar | 5 bis 8 MHz | ja | ja | - |
| Tonträgerfrequenz | programmierbar | 5 bis 8 MHz | möglich | möglich | möglich | möglich |
| Tonfrequenzbereich | 5 bis 8.5 MHz | ja | 62, J17 | 50-75, J17 | 50-75, J17 | 50, J17 |
| Stereoton, Zweiton | - | möglich | 2 x IEC 75 Ohm | 480 MHz | N 50 Ohm | F 75 Ohm |
| Audio Schmalb. Empfang | J17 | 62, J17 | 480 MHz | fest 27 MHz | 480 MHz | 70 MHz |
| Ton Deemph. (Entzerrung) | F 75 Ohm | 2 x IEC 75 Ohm | 2-stufig, 24 + 16 | - | fest 27 MHz | 2-stufig 22 + 27 |
| Block-ZF Eingang (1. ZF) | 480 MHz | 480 MHz | - | nicht geprüft | nicht geprüft | nicht geprüft |
| 2. Zwischenfrequenz | 2-stufig | 2-stufig, 24 + 16 | ja | - | - | BNC |
| 2. ZF Bandbreite | - | - | möglich | BNC | BNC | eig. Buchse |
| Hub-Anpassung | BNC | BNC | 62, J17 | MAC schaltbar | Cinch | BNC |
| Basisband Ausgang | nicht geprüft | D2-MAC schaltb. | 2 x IEC 75 Ohm | - | - | Cinch |
| MAC Deemphasis | BNC | - | 480 MHz | - | DIN | - |
| Video Ausgang | Cinch | - | fest 27 MHz | 2 x SCART | 2 x SCART | DIN-AV |
| Audio Ausgang Mono | - | DIN-AV | - | IEC | IEC | 2 x SCART |
| Audio Ausgang Stereo | - | 2 x SCART | nicht geprüft | ja | ja | IEC |
| Video/Audio Ausgang (AV) | - | IEC | BNC | nicht geprüft | nicht geprüft | ja |
| SCART Ausgang | - | ja | D2-MAC schaltb. | mit MAC-Decod. | mit MAC-Decod. | nicht geprüft |
| UHF Modulationsausgang | - | kompatibel | DIN-AV | deutsch + engl. | in dänisch | mit MAC-Decod. |
| Antennendurchschleifung | - | mit MAC-Decod. | 2 x SCART | TELE-sat. 42/43 | - | in englisch |
| Testbildgenerator | - | deutsch uk Spr. | IEC | - | nicht getestet | - |
| ASTRA kompatibel | ja | TELE-sat. 42/43 | ja | sehr gut | nicht getestet | nicht getestet |
| DBS kompatibel | ja | - | kompatibel | sehr gut | nicht getestet | nicht getestet |
| Bedienungsanleitung | mit Qualitätseinb. | sehr gut | mit MAC-Decod. | sehr gut | nicht getestet | nicht getestet |
| Testbericht abgedruckt in | mit MAC-Decod. | sehr gut | deutsch + engl. | sehr gut | nicht getestet | nicht getestet |
| TESTERGEBNIS | in englisch | sehr gut | TELE-sat. 42/43 | sehr gut | nicht getestet | nicht getestet |
| Empfindlichkeit | TELE-sat. 42/43 | sehr gut | - | sehr gut | nicht getestet | nicht getestet |
| Bildqualität | - | sehr gut | sehr gut | gut | nicht getestet | letzte Programm |
| Tonqualität Mono | gut | sehr gut | sehr gut | - | nicht getestet | - |
| Tonqualität Stereo/Zweiton | sehr gut | sehr gut | sehr gut | gut | nicht getestet | Heimgerät |
| AFC Wirkung | unverksam | sehr wirkungsvoll | sehr gut | überstanden | nicht getestet | STOG |
| 2. ZF Bandbreitenreduzier. | gut | gut | sehr wirkungsvoll | Programm 1 | nicht getestet | - |
| Bedienungskomfort | überstanden | sehr gut | sehr gut | Heimgerät/DX | nicht getestet | DM 1800.- |
| Kurzschlußtest Fernspeis. | Bereitschaft | überstanden | überstanden | GRUNDIG | nicht getestet | STOG |
| Zustand nach Netzausfall | Heimgerät | Programm 1 | Programm 1 | für Bild und Ton | nicht getestet | Menzinger Str. 97 |
| Einsatzmöglichkeiten | STOG | Heimgerät/DX | Heimgerät | DM 1300.- | Bereitschaft | D-8000 |
| Bereitstellung des Testger. | (nur komplett) | GRUNDIG | ALLSAT | GRUNDIG | Heimgerät | München 50 |
| TELE-satellit Referenzem. | STOG | Kurgartenstr. 37 | Albrecht-Dürer 2 | Kurgartenstr. 37 | STOG | |
| ce Preis | Menzinger Str. 97 | D-8510 Fürth | D-6720 Speyer | D-8510 Fürth | Menzinger Str. 97 | |
| Bezugsquellennachweis | D-8000 | | | | D-8000 | |
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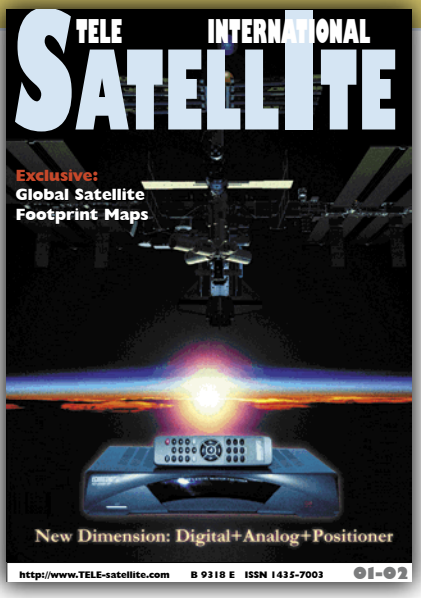
Edited by
Alexander Wiese

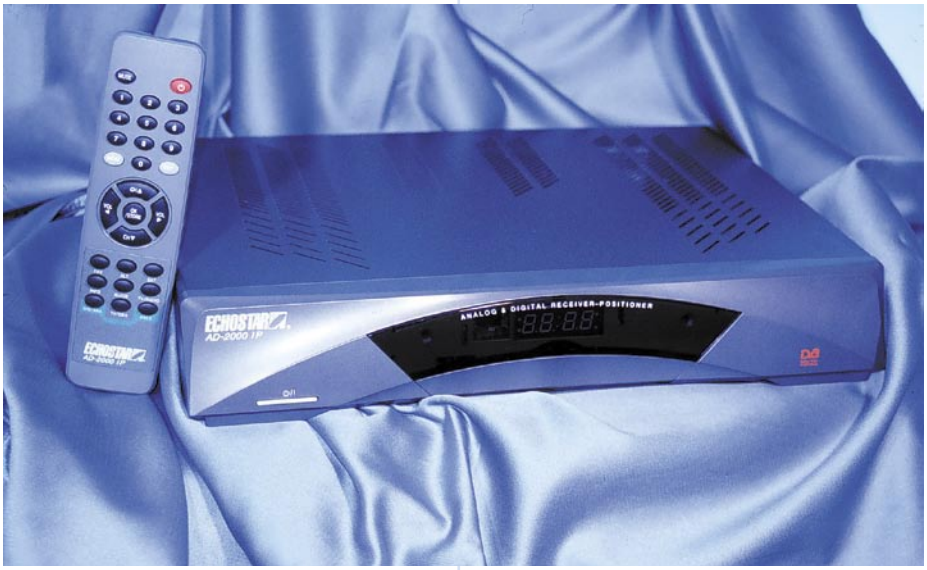
# 10 Years Ago

## Travel into the Past
## TELE-satellite Magazine
## Issue 02/1999




### Echostar AD-2000 IP

So far, we haven seen a reasonable amount of integrated analogue and digital receivers, one might call them universal receivers, and even with built-in positioners. But although the hardware often is comparable, the software controlling it is the most important issue. Whenever the software is of poor quality you can forget it. The box will crash, you cannot set it up it the way you like, etc. These and many more flaws can make a receiver almost unusable. With this in mind, we started to look at the Echostar AD-2000IP. For over two weeks we have tested it in our labs and it was with a lot of regret that we had to send it back.




Your first impression won't be that it is a superb receiver. It looks a little bit ordinary and does not have the high-tech looks Echostar's famous LT-8700 had. On the contrary, with only a four-digit display on the front you may not expect too much hi-tech in the box. But to start with, the display needs four figures because it can store up to 2.900 digital channels (1.500 for TV/1.400 for radio) plus 700 analogue ones. Its integrated positioner can cope with up to 50 satellite positions. Behind a coverlid there are two buttons for channel up and down and a card slot which may do its job in later versions. The receiver we tested did not have a conditional access interface.

### Drake ESR 324 Earth Station Receiver

You don't know the ESR 324? Well, don't panic — it's not like you've missed the latest innovation in digital satellite technology. The ESR is a direct import from the U.S., a kind of 'first cry' of satellite reception technology.
I was actually bargain-hunting for a digital receiver to use in combination with Echostar's DISH digital package when I discovered the ESR in a small country town somewhere in Montana. The unit was built in 1984 and set me back twenty bucks. Of course I knew that I would hardly be able to use this relic with my existing satellite system, but I was simply curious to find out how a 14 year old receiver would handle present-day satellite services.
The first thing you notice about the ESR 324 is its weight.
Used to light-weight plastic boxes the ESR 324's robust metal chassis has survived 14 years of doubtlessly heavy usage without any flaws whatsoever. The 110 volt power unit contributed its share to the total weight of the unit.
All control buttons are on the unit's front panel since there is no remote control available for the ESR 324 (after all, I'm travelling down the time tunnel all the way to 1984). Next to the main power switch there is a scan button and two rotary switches to tune in the selected channel. It is not possible to enter a frequency directly (contrary to European products), neither is there such a thing as a program-store menu. In this respect not much has changed since the 1950s, as a matter of fact. Some may remember the rotary switches on television sets at the onset of the television age: you simple turned the knob into one direction or the other until a channel appeared on the screen. Some budget TV sets in North America still work that way even though Scan Up and Scan Down buttons on the remote control have long replaced rotary switches.

American satellites broadcast their signals according to a standardised channel grid. There are twelve channels each on the vertical and horizontal polarisation plane. Most American satellite receivers still come with a 500 MHz tuner used to scan the C-band between 3.7 and 4.2 GHz and the Ku-band between 11.7 and 12.2 GHz. That way only one control knob on the Drake ESR 324 is enough to use all the bandwidth available on U.S. satellites. The selected transponder is displayed on the front panel and a fine-tuning switch covers all the range between two channels. An additional switch is used to control the mechanic polariser. However a per-

manent polarisation can also be selected with the polarisation switch.

Once the channel is selected and tuned we have to adjust the audio parameters. With the flip of switch the standard frequency of 6.80 MHz can be selected, while a rotary switch allows the scanning of a range that must extend from 2 to 10 MHz (my estimate). Needless to say that that stereo sound was not a standard feature in 1984. On the back of the unit there is a switch that is used to choose either the C or the Ku band.

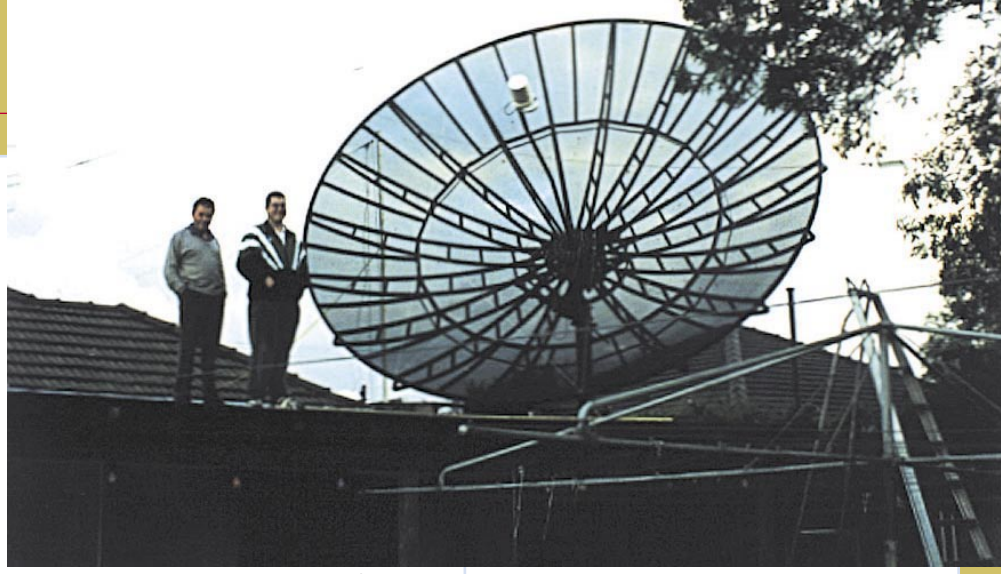
### MSK 33
### Measuring QPSK and QAM

Good measuring equipment can always be recognised by its size and even more by its weight. You will see most professional engineers carrying around a heavy case. But out there, up on the roof, the heavier the tool to perfectly align the dish, the more dangerous it becomes for the one who is doing the job. Carrying around heavy stuff

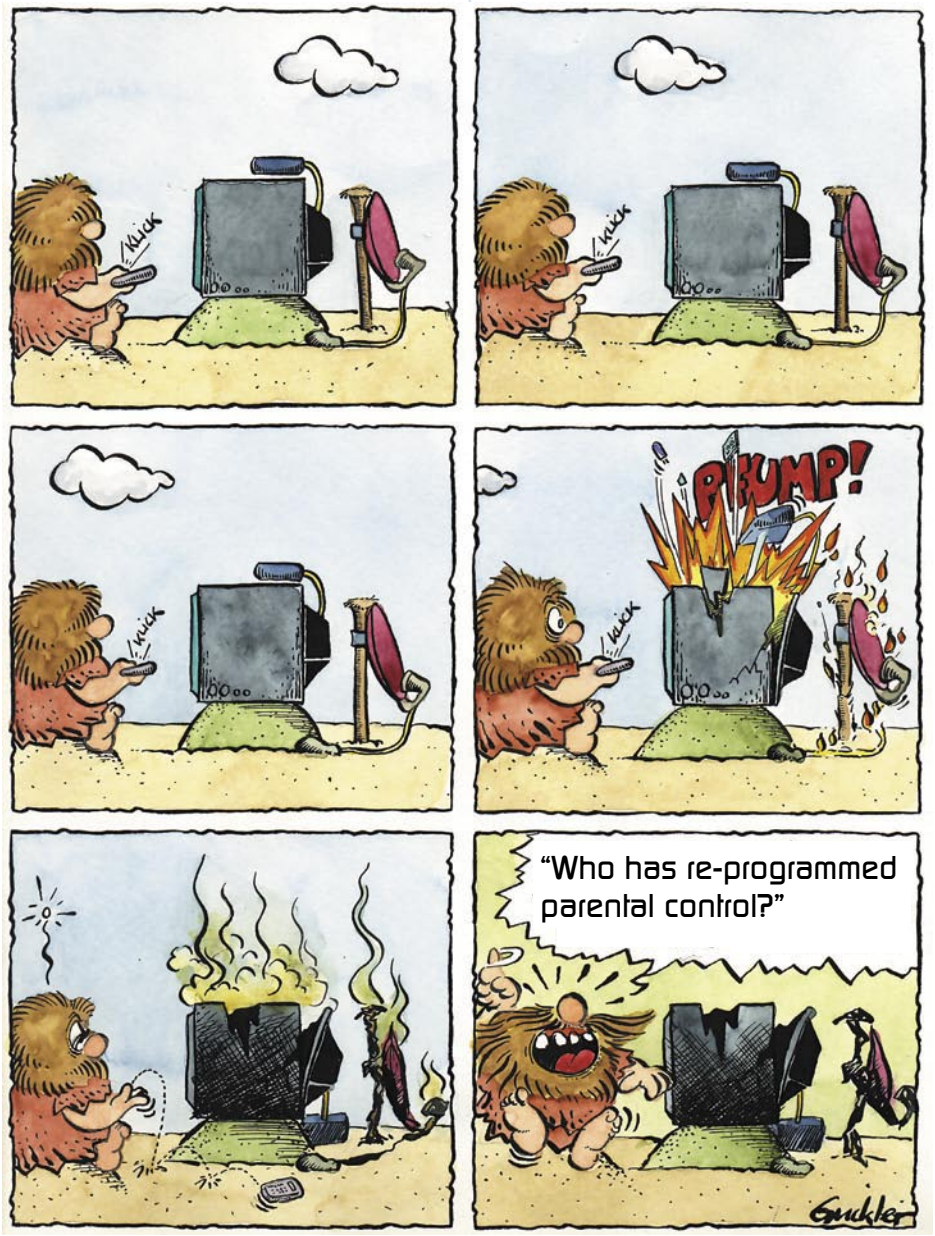
on the roof of a house is not really sensible. The weight of those measuring instruments comes from the built-in cathode ray tube. Although most of the times still in black and white, the power requirements are high, increasing the weight of the batteries. Some use LC displays but most of the time, they also come with tiny buttons and a display that's hardly readable in bright sunshine. The new MSK 33 from Grundig and Kathrein weighs only 6 kg. Not very light-weighted but still a much better weight compared to the competition. It offers on-the-fly measuring and analysing digital signals, printing, LCD display, battery and power adapter. And investing in this measuring tool is a secure investment for the future, since it is built on a modular basis, making it possible to swap certain modules and upgrade to newer technologies. You might, for instance, later replace the MPEG II 4:2:0 board with an MPEG II 4:2:2 board. Many other tools can be thrown away as garbage after a few years, not the MSK 33. It will keep as valuable as it was even when newer technologies come around. The MSK 33 can also be upgraded with a graphic module making it the MSK 33/G, or the MSK 33/Q with a QPSK/QAM module.

### Australian Satellite DXer Bevin Boden

I attended a radio convention at Mt Gambier South Australia about three years ago. A fellow ham had a display of satellite TV on 12 GHz. The analogue receiver was fed by a 1.8 metre solid dish which I learnt later was for sale. Well, for A$300 I made the dish and LNB mine. I was able to buy a Panasat analogue receiver for another A$300, and when the convention was over I put this dish on the roof of the station wagon and headed for Adelaide 300 kilometres north. When I stopped to get petrol I was asked what it was that was strapped to the roof? Standard answer: a large wok as used for making lots of Chinese meals at charity functions. Oh, what a good idea, was the reply. We Australians are odd. I might add I also bought a C band LNB and polarotor as well because I knew I would get a little bored with one satellite and a couple of feeds all my life.



When I arrived home, it was up on the roof to set the dish up and watch a new world out there. News feeds, the odd movie and series transmitted for regional stations to record for later transmission and some sport. This enthusiasm lasted about a week. Time to make a couple of arms and mount up to look at C band. The Indonesian and Chinese stations opened my eyes more than anything and I think any new enthusiast will tell you they get a tingly feeling just looking at all the life being lived by people out there. Your knowledge of the world immediately expands and you become familiar with various time zones around the world.

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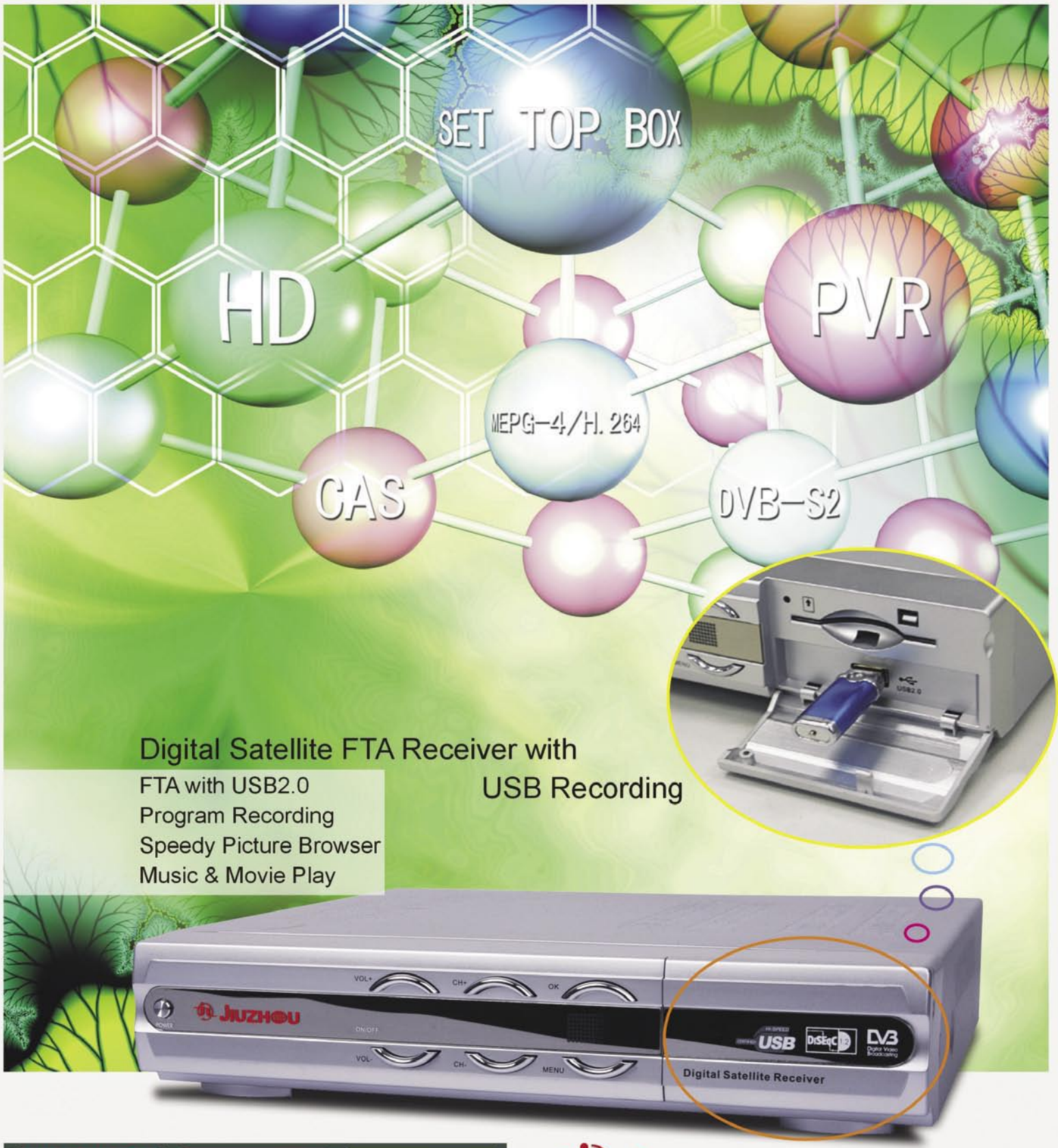

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