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**Channel listing – FTA channels + packages
from 42°E to 30°W
Update: 21.01.2004.**

Turksat 1C/Eurasiasat 1- 42°E

CHANNEL NAME	FREQUENCY	SYMBOL RATE	FEC	SCRAMBLED
BRT 1	10.968 V	4557	5/6	No
Bayrak TV International	10.968 V	4557	5/6	No
Turkiye Jokey Kulubu	10.975 V	5632	3/4	No
Cine 5 (04-24)	11.006 V	-	-	Pal, 6.65, NagraVision
Fantasy (0-04)	11.006 V	-	-	Pal, 6.65, NagraVision
SuperSport	11.025 V	6510	5/6	No
Viva	11.025 V	6510	5/6	No
Gala	11.025 V	6510	5/6	No
Cine 5	11.025 V	6510	5/6	Viaccess
Fantasy	11.025 V	6510	5/6	Viaccess
Kanal D (east beam)	11.026 H	-	-	Pal, 6.65, No
Galaxy TV	11.038 H	3900	5/6	No
Bravo TV	11.038 H	3900	5/6	No
Show TV	11.048 V	-	-	Pal, 6.65, No
TRT 1	11.083 V	5632	3/4	No
TRT 2	11.085 H	-	-	Pal, 6.65, No
TRT 2	11.092 V	5632	3/4	No
TRT International	11.101 V	5632	3/4	No
Samanyolu TV (east beam)	11.122 H	-	-	Pal, 6.65, No
Flash TV	11.129 V	4268	3/4	No
Kanal 7	11.135 V	4444	5/6	No
Kanal 7 International	11.141 V	4300	3/4	No
Ulusal 1	11.149 V	2155	5/6	No
Samanyolu TV World	11.154 V	4557	3/4	No
Kanal A	11.158 V	3150	5/6	No
TRT 1 (east beam)	11.175H	-	-	Pal, 6.65, No
TRT Gap (07-18) (east beam)	11.465 H	-	-	Pal, 6.65, No
TRT 3 (18-07) (east beam)	11.467 H	-	-	Pal, 6.65, No
TRT 4 (east beam)	11.497 H	-	-	Pal, 6.65, No
TRT Turk (east beam)	11.553 H	-	-	Secam, 6.65, No
Kanal D Fun	11.569 V			Pal, 6.65, No
CNN Turk	11.584 V	8800	5/6	No
Dream	11.584 V	8800	5/6	No
Kanal D Fun	11.584 V	8800	5/6	No
Az TV 1 Azerebaijan (east beam)	11.607 H	3750	2/3	No
BBC World India	11.782 H	-	-	Pal, 6.65, No
ANS TV	11.800 H	2400	7/8	No

TV8 (Turkey)	11.830 V	6666	3/4	No
Talises TV	11.858 V	2400	7/8	No
Number One TV	11.868 V	4510	7/8	No
Fashion TV Turkiye	11.868 V	4510	7/8	No
Meltem TV	11.874 V	3400	7/8	No
Mesay TV	11.878 V	2600	7/8	No
TGRT	11.882 V	3400	7/8	No
NTV	11.892 H	12800	5/6	No
CNBC – E	11.892 H	12800	5/6	No
Discovery Channel Turkey	11.892 H	12800	5/6	No
Eurasiasat promo	11.954 V	-	-	Pal, 6.65, No
NTV	11.998 V	12800	5/6	No
CNBC – E	11.998 V	12800	5/6	No
Discovery Channel Turkey	11.998 V	12800	5/6	No
ATV Turkiye	12.002 H	4800	5/6	No
MTV	12.006 H	2400	5/6	No
10 TV	12.010 H	2200	5/6	No
Eurasiasat promo	12.133 V	11719	5/6	No
BBC World	12.133 V	11719	5/6	No
ATV Turkiye	12.527 H	4800	5/6	No
MTV	12.534 H	2346	5/6	No
Al Hayat	12.590 V	3003	2/3	No
Rustavi	12.596 V	2500	5/6	No
Imedi TV	12.605 V	3700	5/6	No
PTV World	12.610 V	3255	3/4	No
BK TV Sat	12.614 V	3003	3/4	No
The God Channel	12.621 V	6161	3/4	No
God 2	12.621 V	6161	3/4	No
RR Sat promo	12.621 V	6161	3/4	No
VIC-TV Turkiye	12.621 V	6161	3/4	No
Vic-TV Turkiye	12.621 V	6161	3/4	No
ATV Avrupa	12.633 V	4800	5/6	No
Yeni TV	12.638 V	2200	5/6	No
Star TV	12.652 H	22500	5/6	No
Kral TV	12.652 H	22500	5/6	No
Dizi TV	12.652 H	22500	5/6	No
Joy	12.652 H	22500	5/6	No
Yeslicam TV	12.652 H	22500	5/6	No
Haberturk	12.652 H	22500	5/6	No
ASTV	12.652 H	22500	5/6	No
Nev TV	12.652 H	22500	5/6	No
SineKlasik	12.652 H	22500	5/6	No
Metro +	12.652 H	22500	5/6	No
Kanal 6	12.685 H	2400	5/6	No
Nur TV	12.693 H	2285	7/8	No
Ege TV	12.698 H	2400	7/8	No
Ulsual Kanal	12.702 H	2285	7/8	No
Eyilik TV	12.706 H	2400	3/4	No
NTV	12.715 V	2965	3/4	No
Olay TV	12.719 V	2950	7/8	No

Hellas Sat2 - 39°E

Channel name	Frequency	Symbol Rate	FEC	Scrambled
Antenna Pacific	10.955 V	2966	3/4	No
Alpha International	10.960 V	2966	3/4	No
MKTV Sat	11.039 V	3125	3/4	No
Cyprus Sat	11.043 V	2570	7/8	No
Al-Islah TV	11.541 H	8680	3/4	No
Planeta TV	12.524 H	29000	7/8	Irdeeto 2
Kanal 1	12.524 H	29000	7/8	Irdeeto 2
HBO Bulgaria	12.524 H	29000	7/8	Irdeeto 2
BTV	12.524 H	29000	7/8	Irdeeto 2
Kanal 3	12.524 H	29000	7/8	Irdeeto 2
Spice Platinum	12.524 H	29000	7/8	Irdeeto 2
AXN Central Europe	12.524 H	29000	7/8	Irdeeto 2
Hallmark Channel EE	12.524 H	29000	7/8	Irdeeto 2
Nova TV	12.524 H	29000	7/8	Irdeeto 2
BBT	12.524 H	29000	7/8	Irdeeto 2
Animal Planet Europe	12.524 H	29000	7/8	Irdeeto 2
MTV European	12.524 H	29000	7/8	Irdeeto 2
Discovery Channel EE	12.524 H	29000	7/8	Irdeeto 2
TV Evropa	12.524 H	29000	7/8	Irdeeto 2
ERT Sat	12.524 V	27500	3/4	No
Cyprus Sat	12.524 V	27500	3/4	No
MKTV Sat	12.524 V	27500	3/4	No
RTS Sat	12.524 V	27500	3/4	No
OTE Promo	12.524 V	27500	3/4	No
Pleasure TV	12.688 H	27500	3/4	No
Blu Line TV	12.688 H	27500	3/4	No
Entertainment TV	12.688 H	27500	3/4	No

Eutelsat Seasat/W4 - 36°E

Channel name	Frequency	Symbol Rate	FEC	Scrambled
CFN/CNBC Italia	11.041 V	3410	2/3	CryptoWorks
Az TV 1	11.046 V	2894	3/4	No
CFRT TV English	11.552 H	3900	1/2	Irdeeto 1
Multichoice Africa	12.207 H	27500	3/4	Irdeeto 2
EuroSport News	12.207 H	27500	3/4	Irdeeto 2
NTA 2	12.207 H	27500	3/4	Irdeeto 2
Iqraa	12.207 H	27500	3/4	Irdeeto 2
MBI Africa	12.207 H	27500	3/4	Irdeeto 2
AIT International	12.207 H	27500	3/4	Irdeeto 2
TNV	12.214 L	4340	3/4	No
TDK	12.233 L	12000	3/4	No
NTV Plus	12.245 R	27500	3/4	Viaccess 2
Multichoice Africa	12.284 H	26480	1/2	Irdeeto 2
NTV Plus	12.322 R	27500	3/4	Viaccess 2
Multichoice Africa	12.322 H	26480	1/2	Irdeeto 2
Multichoice Africa	12.360 H	26480	1/2	Irdeeto 2
NTV Plus	12.380 L	27500	3/4	Viaccess 2
NTV Plus	12.399 R	27500	3/4	Viaccess 2
Multichoice Africa	12.399 H	26480	1/2	Irdeeto 2
Multichoice	12.437 H	23468	2/3	Irdeeto 2

Africa				
NTV Plus	12.456 L	27500	3/4	Viaccess 2
NTV Plus	12.476 R	27500	3/4	Viaccess 2
Multichoice Africa	12.476 H	26040	2/3	Irdeeto 2
Caspio Net	12.511 H	4340	1/2	No
Videolina	12.517 H	2442	2/3	No
Lider TV	12.520 H	4340	1/2	No
NTA - National TV of Armenia	12.561 V	3254	2/3	No
ATV - Austria TV	12.632 V	5632	2/3	PowerVu
2M National	12.686 V	4340	1/2	BISS
TRT International	12.695 V	3030	3/4	No
OBN - Open Broadcast Network	12.698 H	4340	2/3	No
SGU TV	12.701 V	5750	1/2	No
Leonardo	12.707 V	4340	1/2	No

Arabsat 2B - 30.5°E

Channel name	Frequency	Symbol Rate	FEC	Scrambled
RTM 1	3882 R	-	-	PAL, 6.60, No
TV de Mauritanie	3911 R	8150	3/4	No
Somalia TV	4079 R	-	-	PAL, 6.60, No
RTD (19.00-20.30)	4079 R	-	-	PAL, 6.60, No
Yemen Satellite TV	12.515 H	3000	3/4	No
Sudan TV	12.520 H	3000	3/4	No
LBCI Star Academy	12.530 H	3000	3/4	No
Sharjah TV	12.568 H	4800	3/4	No
Blu Nile Channel	12.587 V	5085	3/4	No
Al Majd Space Channel	12.620 V	27500	3/4	No
Al Majd Space Channel	12.686 V	3000	3/4	No
Al Majd Space Channel	12.692 V	6000	3/4	No
ERI TV	17.703 V	3000	3/4	No
MBC	12.722 H	4340	3/4	No
MBC 2	12.722 H	4340	3/4	No
Al-Arabiya	12.722 H	4340	3/4	No
Oman TV	12.740 V	5084	7/8	No
Oman TV	12.740 V	5084	7/8	No

Astra 2A/2B/2D/EuroBird - 28.2°E

Channel name	Frequency	Symbol Rate	FEC	Scrambled
Sky Digital	10.744 H	22000	5/6	VideoGuard
BBC	10.773 H	22000	5/6	No
BBC	10.773 H	22000	5/6	No
BBC	10.803 V	22000	5/6	No
BBC	10.818 V	22000	5/6	No
Sky Digital	10.832 H	22000	5/6	VideoGuard
BBC	10.847 V	22000	5/6	No
Sky Digital	10.862 H	22000	5/6	VideoGuard

Sky Digital	10.876 V	22000	5/6	VideoGuard
Sky Digital	10.891 H	22000	5/6	VideoGuard
Sky Digital	10.906 H	22000	5/6	VideoGuard
Sky Digital	10.921 H	22000	5/6	VideoGuard
Sky Digital	10.936 V	22000	5/6	VideoGuard
Sky Digital	11.390 H	27500	2/3	No
Sky Digital	11.426 V	27500	2/3	No
Sky Digital	11.469 H	27500	2/3	VideoGuard
Sky Digital	11.488 V	27500	2/3	No
Sky Digital	11.508 H	27500	2/3	VideoGuard
Sky Digital	11.527 V	27500	2/3	VideoGuard
Sky Digital	11.546 H	27500	2/3	No
Sky Digital	11.565 V	27500	2/3	VideoGuard
Sky Digital	11.585 H	27500	2/3	VideoGuard
Sky Digital	11.604 V	27500	5/6	VideoGuard
Sky Digital	11.623 H	27500	2/3	No
Dubai EDTV Europe	11.642 V	27500	2/3	No
Dubai Sports Channel Europe	11.642 V	27500	2/3	No
Dubai Business Channel	11.642 V	27500	2/3	No
Vectone Bangia	11.642 V	27500	2/3	No
Vectone Urdu	11.642 V	27500	2/3	No
Vectone Tamil	11.642 V	27500	2/3	No
Vectone Hindi	11.642 V	27500	2/3	No
Sky Digital	11.662 H	27500	2/3	VideoGuard
Sky Digital	11.681 V	27500	2/3	No
Sky Digital	11.739 V	27500	2/3	VideoGuard
Sky Digital	11.758 H	27500	2/3	VideoGuard
Sky Digital	11.778 V	27500	2/3	VideoGuard
Sky Digital	11.817 V	27500	2/3	VideoGuard
Sky Digital	11.836 H	27500	2/3	VideoGuard
Sky Digital	11.856 V	27500	2/3	VideoGuard
Sky Digital	11.876 H	27500	2/3	VideoGuard
Sky Digital	11.895 V	27500	2/3	VideoGuard
Sky Digital	11.914 H	27500	2/3	VideoGuard
Sky Digital	11.934 V	27500	2/3	VideoGuard
Sky Digital	11.954 H	27500	2/3	No
Sky Digital	11.973 V	27500	2/3	VideoGuard
Sky Digital	11.992 H	27500	2/3	VideoGuard
Sky Active	12.012 V	27500	2/3	No
Sky Digital	12.032 H	27500	2/3	No
Sky Digital	12.051 V	27500	2/3	No
Sky Digital	12.070 H	27500	2/3	VideoGuard
Sky Digital	12.090 V	27500	2/3	VideoGuard
Sky Digital	12.110 H	27500	2/3	VideoGuard
Sky Digital	12.129 V	27500	2/3	No
Sky Digital	12.148 H	27500	2/3	VideoGuard
Sky Digital	12.168 V	27500	2/3	VideoGuard
Sky Digital	12.188 H	27500	2/3	VideoGuard
Sky Digital	12.207 V	27500	2/3	No
Sky Digital	12.226 H	27500	2/3	VideoGuard
Sky Active	12.246 V	27500	2/3	No
Sky Digital	12.266 H	27500	2/3	VideoGuard
Sky Digital	12.285 V	27500	2/3	VideoGuard
Sky Active	12.304 H	27500	2/3	VideoGuard
Sky Digital	12.324 V	27500	2/3	VideoGuard
Sky Digital	12.344 H	27500	2/3	No
Sky Digital	12.363 V	27500	2/3	VideoGuard
Sky Digital	12.382 H	27500	2/3	VideoGuard
Sky Digital	12.402 V	27500	2/3	No
Sky Digital	12.422 H	27500	2/3	No
Sky Digital	12.441 V	27500	2/3	No
Sky Active	12.460 H	27500	2/3	No
Sailing channel	12.564 V	2170	3/4	No
K-TV	12.567 V	2733	3/4	No

Fernsehen				
Home Shopping Italy	12.571 V	2834	3/4	No
Ocko	12.607 H	27500	3/4	No
Prima TV	12.607 H	27500	3/4	CryptoWorks
CT 1	12.607 H	27500	3/4	CryptoWorks
CT 2	12.607 H	27500	3/4	CryptoWorks
Galaxie Sport	12.607 H	27500	3/4	CryptoWorks
TV Markiza	12.643 H	27500	3/4	CryptoWorks
STV 1	12.643 H	27500	3/4	CryptoWorks
STV 2	12.643 H	27500	3/4	CryptoWorks

Arabsat 2C/2D/3A - 26°E

Channel name	Frequency	Symbol Rate	FEC	Scrambled
Sharjah TV	3716 H	-	-	Pal, 6.60, No
LBC Sat	3724 V	-	-	Pal, 6.60, No
ESC 1	3756 H	-	-	Pal, 6.60, No
Iqraa Channel	3764 V	-	-	Pal, 6.60, No
Al-Arabiyah	3786 V	4500	7/8	No
MBC Europe	3786 V	4500	7/8	No
Al Mehwer TV	3796 H	-	-	Pal, 6.60, No
Nile News	3796 H	-	-	Pal, 6.60, No
MBC 2	3804 V	-	-	Pal, 6.60, No
CNN International	3836 H	-	-	Pal, 6.65, No
Zen TV	3830 V	5612	2/3	No
Future TV USA	3830 V	5612	2/3	No
Future International	3844 V	-	-	Pal, 6.60, No
Orbit promo channel	3876 H	-	-	Pal, 6.60, No
Orbit Express Shop	3876 H	-	-	Pal, 6.60, No
Sudan TV	3884 V	-	-	Pal, 6.60, No
Saudi Arabian TV 1	3916 H	-	-	Pal, 6.60, No
New Sat	3924 V	-	-	Pal, 6.60, No
Saudi Arabian TV 2	3956 H	-	-	Pal, 6.60, No
Emirates channel	3964 V	-	-	Pal, 6.60, No
Abu Dhabi TV	3996 H	-	-	Pal, 6.60, No
Dubai EDTV	4004 V	-	-	Pal, 6.60, No
MBC 2 Egypt	4024 V	4500	3/4	No
Al Arabiyah	4036 H	-	-	Pal, 6.60, No
MBC	4044 V	-	-	Pal, 6.60, No
AL-Jazeera Satellite Channel	4076 H	-	-	Pal, 6.60, No
Oman TV	4084 V	-	-	Pal, 6.60, No
Kuwait Space channel	4116 H	-	-	Pal, 6.60, No
Yemen TV	4124 V	-	-	Pal, 6.60, No

				No
LBCI Star Academy	4156 V	-	-	Pal, 6.60, No
Rotana Music	4164 H	-	-	Pal, 6.60, No
Orbit Network	11.727 H	24571	7/8	MPEG 1.5, PowerVu
Al-Jazeera Satellite Channel	10.971 H	17777	3/4	No
Al-Jazeera Sports	10.971 H	17777	3/4	No
Qatar TV	10.971 H	17777	3/4	No
KTV 1	11.023 H	11000	3/4	No
KTV 3	11.023 H	11000	3/4	No
KTV 4	11.023 H	11000	3/4	No
KTV 4	11.023 H	11000	3/4	No
Kuwait Space Channel America	11.023 H	11000	3/4	No
Al-Jamahiriya TV	11.075 V	-	-	Pal, 6.60, No
Al Iraqiyah	11.100 V	3000	3/4	No
Bahrain TV	11.552 H	3000	3/4	No
Syria Satellite Channel	11.556 H	3000	3/4	No
Kuwait Space Channel	11.560 H	3000	3/4	No
Jordan Satellite Channel	11.568 H	3400	3/4	No
Saudi Arabian TV 1	11.575 H	9000	3/4	No
Saudi Arabian TV 2	11.575 H	9000	3/4	No
Saudi News	11.575 H	9000	3/4	No
KTV 3	11.585 V	27500	3/4	No
KTV 4	11.585 V	27500	3/4	No
Sharjah TV	11.585 V	27500	3/4	No
ASN	11.585 V	27500	3/4	No
Thane Xpress Shop	11.585 V	27500	3/4	No
Saudi Arabian TV 2	11.585 V	27500	3/4	No
EuroNews	11.585 V	27500	3/4	No
Qatar TV	11.585 V	27500	3/4	No
TV 5 Orient	11.585 V	27500	3/4	No
Dubai EDTV	11.590 H	6000	3/4	No
Dubai Sports Channel	11.590 H	6000	3/4	No
Emirates Channel	11.608 H	6000	3/4	No
Sharjah TV	11.608 H	6000	3/4	No
Al-Jazeera Satellite Channel	11.614 H	3000	3/4	No
Qatar TV	11.619 H	3000	3/4	No
ERI TV	11.623 V	27500	3/4	No
Somalia TV	11.623 V	27500	3/4	No
RTD	11.623 V	27500	3/4	No
ESC 1	11.623 V	27500	3/4	No
BBC World India	11.623 V	27500	3/4	No

Rotana Music	11.623 V	27500	3/4	No
Emirates Channel	11.623 V	27500	3/4	No
TV de Mauritanie	11.623 V	27500	3/4	No
Orbit Promo	11.623 V	27500	3/4	No
Orbit Express Shop	11.623 V	27500	3/4	No
CNBC Arabiya	11.623 V	27500	3/4	No
Dubai EDTV	11.662 V	27500	3/4	No
Dubai Sports Channel	11.662 V	27500	3/4	No
Dubai Business Channel	11.662 V	27500	3/4	No
PSC	11.662 V	27500	3/4	No
Al-Jazeera Satellite Channel	11.662 V	27500	3/4	No
Alalam News Channel	11.662 V	27500	3/4	No
Jordan Satellite Channel	11.662 V	27500	3/4	No
Al Mustakillah TV	11.662 V	27500	3/4	No
Rotana Music	11.692 H	2700	3/4	No
Bahrain TV	11.747 V	27500	3/4	No
Saudi Arabian TV 1	11.747 V	27500	3/4	No
Kuwait Space Channel	11.747 V	27500	3/4	No
Jamahiriya Satellite Channel	11.747 V	27500	3/4	No
Sudan TV	11.747 V	27500	3/4	No
Al Majd Space Channel	11.747 V	27500	3/4	No
Oman TV Satellite	11.747 V	27500	3/4	No
ERI TV	11.747 V	27500	3/4	No
Al-Manar TV	11.785 V	27500	3/4	No
Future International	11.785 V	27500	3/4	No
LBC Sat	11.785 V	27500	3/4	No
LBCI Star Academy	11.785 V	27500	3/4	No
Tele Liban	11.785 V	27500	3/4	No
NBN	11.785 V	27500	3/4	No
Al-Arabiya	11.785 V	27500	3/4	No
New Sat	11.785 V	27500	3/4	No
MBC	11.785 V	27500	3/4	No
MBC 2	11.785 V	27500	3/4	No
Bahrain TV	11.843 H	27500	3/4	No
Bahrain TV Channel 65	11.843 H	27500	3/4	No
Bahrain Sports	11.843 H	27500	3/4	No
MBC	11.843 H	27500	3/4	No
MBC 2	11.843 H	27500	3/4	No
Al-Arabiya	11.843 H	27500	3/4	No
Abu Dhabi TV	11.843 H	27500	3/4	No
Rotana Music	11.843 H	27500	3/4	No
Emirates Channel	11.862 V	27500	3/4	No
Abu Dhabi TV	11.862 V	27500	3/4	No
EMI Special Channel	11.862 V	27500	3/4	No

Abu Dhabi TV Europe	11.862 V	27500	3/4	No
Abu Dhabi Sports	11.862 V	27500	3/4	No
Orbit Network	11.919 H	27500	3/4	MediaGuard 2
Syria Satellite Channel	11.938 V	27500	3/4	No
Al Mustakillah TV	11.938 V	27500	3/4	No
Yemen Satellite TV	11.938 V	27500	3/4	No
TV 7 Satellite	11.938 V	27500	3/4	No
Sharjah TV	11.938 V	27500	3/4	No
Al - Jazeera Satellite Channel	11.938 V	27500	3/4	No
Algerie 3	11.938 V	27500	3/4	No
Jordan Satellite Channel	11.938 V	27500	3/4	No
RTM 1	11.938 V	27500	3/4	No
TV de Mauritania	11.938 V	27500	3/4	No
Orbit Network	11.958 H	27500	3/4	MediaGuard 2
Orbit Network	11.996 H	27500	3/4	MediaGuard 2
Saudi Arabian TV 1	12.010 V	18500	3/4	No
Saudi Arabian TV 2	12.010 V	18500	3/4	No
Saudi Sports	12.010 V	18500	3/4	No
Saudi News	12.010 V	18500	3/4	No
Orbit Network	12.073 H	27500	3/4	MediaGuard 2

Astra 3A - 23.5°E

Channel name	Frequency	Symbol Rate	FEC	Scrambled
RTL Osterreich	11.548 V	13022	3/4	No
Vox Osterreich	11.548 V	13022	3/4	No
RTL 2 Osterreich	11.548 V	13022	3/4	No
Super RTL Osterreich	11.548 V	13022	3/4	No
L1 TV	11.566 V	2277	5/6	No
Raze TV	11.570 V	1445	3/4	No
Kabel Deutschland	11.675 H	27500	3/4	NagraVision
Kabel Deutschland	11.675 V	27500	3/4	NagraVision
Kabel Deutschland	12.605 H	2168	3/4	NagraVision
Kabel Deutschland	12.605 V	27500	3/4	NagraVision

Astra 1B, 1C, 1E, 1F, 1G, 1H, 2C - 19.2°E

Channel name	Frequency	Symbol rate FEC	Scrambled
KiKa	10.714 H	7.02/7.20	No
CNBC Europe	10.729 V	7.02/7.20	No
QVC TV Travel Shop Germany	10.744 H	7.02/7.20	No
QVC Germany	10.758 V	7.02/7.20	No

N24	10.803 H	7.02/7.20		No
TV Travel Shop Deutschland	10.818 V	7.02/7.20		No
Bibel TV	10.832 H	22000	5/6	No
TV TRWAM	10.832 H	22000	5/6	No
Tango TV	10.832 H	22000	5/6	No
Raze TV	10.832 H	22000	5/6	No
Free XTV	10.832 H	22000	5/6	Sky Pilot
TV Shop Germany	10.847 H	7.02/7.20		No
Digital +	10.876 V	22000	5/6	MediaGuard 2
Sudwest	10.891 H	7.02/7.20		No
Home Shopping Europe	10.906 V	7.02/7.20		No
9 Live	10.936 V	7.02/7.20		No
ZDF	10.954 H	7.02/7.20		No
Digital +	10.979 V	22000	5/6	MediaGuard 2
Canal Canarias	10.979 V	22000	5/6	No
Arte Deutsch	10.994 H	7.02/7.20		No
Phoenix	11.009 V	7.02/7.20		No
BTV 4U	11.023 H	7.02/7.20		No
Digital +	11.038 V	22000	5/6	MediaGuard 2
WDR	11.054 H	7.02/7.20		No
Hessen Fernsehen	11.068 V	7.02/7.20		No
BR Alpha	11.082 H	7.02/7.20		No
MDR	11.112 H	7.02/7.20		No
Viva	11.127 V	7.02/7.20		No
Bayern	11.141 H	7.02/7.20		No
Digital +	11.156 V	22000	5/6	MediaGuard 2
RBB Berlin	11.171 H	7.02/7.20		No
Sudwest	11.186 V	7.02/7.20		No
RTL 2 Deutschland	11.214 H	7.02/7.20		No
RTL Deutschland	11.229 V	7.02/7.20		No
RTL Shop	11.244 H	7.02/7.20		No
EuroSport	11.259 V	7.02/7.20		No
Vox	11.273 H	7.02/7.20		No
Sat 1 Deutschland	11.288 V	7.02/7.20		No
Viva Plus	11.303 H	7.02/7.20		No
Digital +	11.318 V	22000	5/6	MediaGuard 2
Kabel 1 Deutschland	11.332 H	7.02/7.20		No
3 Sat	11.347 V	7.02/7.20		No
Bloomberg Deutschland	11.362 H	7.02/7.20		No
TV Shop Deutschland	11.377 V	7.02/7.20		No
Super RTL Deutschland	11.391 H	7.02/7.20		No
Pro Sieben Deutschland	11.406 V	7.02/7.20		No
MTV 2 Pop	11.421 H	7.02/7.20		No
Canal Satellite Digital	11.436 V	22000	5/6	MediaGuard 2
Sonnenklar TV	11.464 H	7.02/7.20		No
Digital +	11.479 V	22000	5/6	MediaGuard 2
Ard Das Erste	11.494 H	7.02/7.20		No
Digital +	11.509 V	22000	5/6	No
DSF	11.523 H	7.02/7.20		No
Digital +	11.538 V	22000	5/6	MediaGuard 2
Tele 5	11.553 H	7.02/7.20		No
Canal Algerie	11.568 V	22000	5/6	No
TV 5 FBS	11.568 V	22000	5/6	No
ESC 1	11.568 V	22000	5/6	No

Rai Uno	11.568 V	22000	5/6	No
Deutsche Welle	11.568 V	22000	5/6	No
RTP Internacional	11.568 V	22000	5/6	No
TV 7 Tunisia	11.568 V	22000	5/6	No
Arte France	11.568 V	22000	5/6	No
Al-Jazeera Satellite Channel	11.568 V	22000	5/6	No
2M Maroc	11.568 V	22000	5/6	No
N3	11.582 H	7.02/7.20		No
TVE Internacional Europe	11.597 V	22000	5/6	No
RTM 1 Europe	11.597 V	22000	5/6	No
Eurosport	11.597 V	22000	5/6	MediaGuard 2
Eurosport News Espanol	11.597 V	22000	5/6	No
DW TV	11.597 V	22000	5/6	No
Sky News	11.597 V	22000	5/6	No
MTV Germany	11.612 H	7.02/7.20		No
CNN Int.	11.627 V	7.02/7.20		No
N-TV	11.641 H	7.02/7.20		No
RBB Brandenburg	11.656 V	7.02/7.20		No
Digital +	11.597 V	22000	5/6	No
Premiere	11.720 H	27500	3/4	BetaCrypt NagraVision 2
MTV Networks	11.739 V	27500	3/4	CryptoWorks Viaccess 1 MediaGuard 2
Premiere	11.758 H	27500	3/4	BetaCrypt NagraVision 2
Bloomberg TV Espana	11.778 V	27500	3/4	MediaGuard 2
Travel Channel	11.778 V	27500	3/4	No
Cartoon Network France	11.778 V	27500	3/4	Cryptoworks Viaccess 1 MediaGuard 2
CNN International Europe	11.778 V	27500	3/4	No
TCM France	11.778 V	27500	3/4	Cryptoworks Viaccess 1 MediaGuard 2
TCM Espana	11.778 V	27500	3/4	Cryptoworks MediaGuard 2
TVBS Europe	11.778 V	27500	3/4	MediaGuard 2
Premiere	11.798 H	27500	3/4	BetaCrypt NagraVision 2
Canal Satellite France	11.817 V	27500	3/4	Viaccess 1 MediaGuard 2
ARD Das Erste	11.836 H	27500	3/4	No
Bayerisches Fernsehen	11.836 H	27500	3/4	No
Hessen Fernsehen	11.836 H	27500	3/4	No
Arte Deutsch	11.836 H	27500	3/4	No
SR Fernsehen Sudwest	11.836 H	27500	3/4	No
WDR	11.836 H	27500	3/4	No
BR Alpha	11.836 H	27500	3/4	No
Sudwest Fernsehen	11.836 H	27500	3/4	No
Phoenix	11.836 H	27500	3/4	No
Canal Satellite France	11.856 H	27500	3/4	Viaccess 1 MediaGuard 2
Canal Satellite	11.895 V	27500	3/4	MediaGuard 2 Viaccess 1

France Canal Satellite France	11.934 V	27500	3/4	MediaGuard 2 Viaccess 1
ZDF	11.954 H	27500	3/4	No
3 Sat	11.954 H	27500	3/4	No
KiKa (06-19)	11.954 H	27500	3/4	No
Arte Deutsch (19-06)	11.954 H	27500	3/4	No
EuroSport	11.954 H	27500	3/4	No
CNBC Europe	11.954 H	27500	3/4	No
ZDF Info	11.954 H	27500	3/4	No
ZDF Dokukanal	11.954 H	27500	3/4	No
EuroNews	11.954 H	27500	3/4	No
ZDF Theaterkanal (09-14 i 19-24)	11.954 H	27500	3/4	No
UPC Direct	11.992 H	27500	3/4	CryptoWorks
Canal Satellite France	12.012 V	27500	3/4	MediaGuard 2 Viaccess 1
Premiere	12.032 H	27500	3/4	BetaCrypt NagraVision 2
Pro 7 Schweiz	12.051 V	27500	3/4	No
Pro 7 Österreich	12.051 V	27500	3/4	No
Kabel 1 Schweiz	12.051 V	27500	3/4	No
Kabel 1 Österreich	12.051 V	27500	3/4	No
Sat 1 Österreich	12.051 V	27500	3/4	No
Premiere	12.070 H	27500	3/4	BetaCrypt NagraVision 2
Eins Extra	12.110 H	27500	3/4	No
Eins Festival	12.110 H	27500	3/4	No
Eins MuXx	12.110 H	27500	3/4	No
MDR	12.110 H	27500	3/4	No
RBB Brandenburg	12.110 H	27500	3/4	No
RBB Berlin	12.110 H	27500	3/4	No
NDR	12.110 H	27500	3/4	No
Sudwest Fernsehen	12.110 H	27500	3/4	No
Canal Satellite France	12.129 V	27500	3/4	MediaGuard 2
Sat 1 Schweiz	12.148 H	27500	3/4	No
Premiere	12.148 H	27500	3/4	BetaCrypt NagraVision 2
Sat 1 Schweiz	12.148 H	27500	3/4	No
Lastminute.de TV	12.148 H	27500	3/4	No
ONTV	12.148 H	27500	3/4	No
TV Travel Shop	12.148 H	27500	3/4	No
TV Berlin	12.148 H	27500	3/4	No
The God Channel	12.148 H	27500	3/4	No
Franken Sat	12.148 H	27500	3/4	No
Euro 1080 Main Channel	12.168 V	27500	3/4	No
RTL Deutschland	12.188 H	27500	3/4	No
RTL 2 Deutschland	12.188 H	27500	3/4	No
Super RTL Deutschland	12.188 H	27500	3/4	No
Vox	12.188 H	27500	3/4	No
RTL Shop	12.188 H	27500	3/4	No
France 5	12.207 V	27500	3/4	No
LCP	12.207 V	27500	3/4	No
MTV Pop	12.266 H	27500	3/4	No

RTL Osterreich	12.266 H	27500	3/4	No
Vox Osterreich	12.266 H	27500	3/4	No
RTL 2 Osterreich	12.266 H	27500	3/4	No
Super RTL Osterreich	12.266 H	27500	3/4	No
BTV 4U	12.266 H	27500	3/4	No
TV6	12.266 H	27500	3/4	No
L1 TV	12.266 H	27500	3/4	No
Canal Satellite France	12.285 V	27500	3/4	Viaccess 1 Viaccess 2 MediaGuard 2
Zik	12.285 V	27500	3/4	No
BBC World	12.285 V	27500	3/4	No
Fashion TV	12.285 V	27500	3/4	No
UPC Direct	12.304 H	27500	3/4	CryptoWorks
Canal Satellite France	12.424 V	27500	3/4	No
Canal Digitaal Satelliet	12.344 H	27500	3/4	Irdeto 1 Irdeto 2 MediaGuard 2
Canal Satellite France	12.363 V	27500	3/4	No
UPC Direct	12.382 H	27500	3/4	CryptoWorks
Canal Satellite France	12.402 V	27500	3/4	MediaGuard 2 Viaccess 1
WDR	12.422 H	27500	3/4	No
Otto Promo	12.460 H	27500	3/4	No
Sonnenklar TV	12.480 V	27500	3/4	No
Home Shopping Europe	12.480 V	27500	3/4	No
Sat 1 Deutschland	12.480 V	27500	3/4	No
N 24	12.480 V	27500	3/4	No
Tele 5	12.480 V	27500	3/4	No
9 Live	12.480 V	27500	3/4	No
Pro 7 Deutschland	12.480 V	27500	3/4	No
Kabel 1 Deutschland	12.480 V	27500	3/4	No
DSF	12.480 V	27500	3/4	No
Canal Digitaal Satelliet	12.515 H	22000	5/6	Irdeto 1 Irdeto 2 MediaGuard 1
DPC	12.545 H	22000	5/6	No
Astra Mosaic 6	12.552 V	22000	5/6	No
Astra Mosaic 5	12.552 V	22000	5/6	No
Astra Mosaic 4	12.552 V	22000	5/6	No
Astra Mosaic 3	12.552 V	22000	5/6	No
Astra Mosaic 2	12.552 V	22000	5/6	No
Astra Mosaic 1	12.552 V	22000	5/6	No
Nordlicht TV(Sun. 13.00-13.30)	12.552 V	22000	5/6	No
RTL Tele Letzebuerg (19-24)	12.552 V	22000	5/6	No
Russian Hour	12.552 V	22000	5/6	No
QVC Germany	12.552 V	22000	5/6	No
Viva Plus	12.552 V	22000	5/6	No
Bloomberg TV	12.552 V	22000	5/6	No

Germany Chamber TV	12.552 V	22000	5/6	No
Canal Digitaal Satelliet	12.574 H	22000	5/6	Irdeto 1 Irdeto 2 MediaGuard 2
Canal Satellite France	12.581 V	22000	5/6	MediaGuard 2
RTBF Sat	12.610 V	22000	5/6	No
CNBC Europe	12.610 V	22000	5/6	No
TV 5 Europe	12.610 V	22000	5/6	No
Liberty TV	12.610 V	22000	5/6	No
Motors TV	12.610 V	22000	5/6	No
Bahn TV	12.633 H	22000	5/6	No
K-TV	12.633 H	22000	5/6	No
XXP	12.633 H	22000	5/6	No
RheinMain TV	12.633 H	22000	5/6	No
EuroNews	12.633 H	22000	5/6	No
Canal Satellite France	12.640 V	22000	5/6	Viaccess 1 MediaGuard 2
N-TV	12.670 V	22000	5/6	No
Viva	12.670 V	22000	5/6	No
Otto Promo	12.670 V	22000	5/6	No
ORF Digital package	12.692 H	22000	5/6	BetaCrypt CryptoWorks Nagravision
TW 1	12.692 H	22000	5/6	No

Eutelsat W2 - 16°E

Channel name	Frequency	Symbol Rate	FEC	Scrambled
Alsat tV	10.957 H	2821	2/3	No
RTM 1 Europe	10.972 V	-	-	No, Pal
Gay TV	11.007 H	2894	3/4	No
Telemarket	11.012 H	4340	1/2	No
Studio Europa	11.017 H	2500	2/3	No
7 Gold	11.025 H	2894	3/4	No
TMF	11.043 H	4340	3/4	No
Anem	11.061 H	4444	1/2	RAS
Fox Kids Italia	11.083 H	5210	5/6	No
Canal Algerie	11.095 V	-	-	No, Pal
Tiziana Sat PM	11.105 H	8140	5/6	No
Tiziana Sat RU	11.105 H	8140	5/6	No
Tiziana Sat	11.105 H	8140	5/6	No
Tiziana Sat PB	11.105 H	8140	5/6	No
Chat Game TV	11.105 H	8140	5/6	No
University of Plymouth TV	11.136 V	3125	3/4	No
Sat 7	11.178 V	-	-	No, Pal
Light Forl All Nations	11.178 V	-	-	No, Pal
Zeitouna TV	11.178 V	-	-	No, Pal
Miracle TV	11.178 V	-	-	No, Pal
Kurdistan TV	11.184 H	2665	3/4	No
Royal Bank of Scotland TV	11.304 V	30000	3/4	PowerVu
Georgian TV	11.304 V	30000	3/4	No
National Westminster Bank TV	11.304 V	30000	3/4	PowerVu
Jamahiryia Satellite Channel	11.328 H	-	-	No, Pal
AlbaniaSat package	11.449 H	16000	3/4	Irdeto 2
TV Klan Sat	11.449 H	16000	3/4	Irdeto 2
BBF	11.449 H	16000	3/4	Irdeto 2
Shijak TV	11.449 H	16000	3/4	Irdeto 2
Tele Sport	11.449 H	16000	3/4	Irdeto 2

Top Channel	11.449 H	16000	3/4	No
Tele Arberia	11.449 H	16000	3/4	Irdeto 2
ESC 1	11.471 V	-	-	No, Pal
Parabole Reunion	11.492H	29950	3/4	Viaccess 1
CanalSatellite Reunion	11.534 H	30000	3/4	MediaGuard 2
SEE TV tests	11.554 V	28800	3/4	No
EuroSport	11.554 V	28800	3/4	CryptoWorks
TV Evropa	11.554 V	28800	3/4	CryptoWorks Conax
Parabole Reunion	11.617 H	29950	3/4	Viaccess 1
BBC	11.634 V	17578	3/4	No
Canal Satellite Reunion	11.658 H	30000	3/4	MediGuard 2
Al. Mustakillah TV	11.693 V	3100	3/4	No
Feratel Wetterstation	12.520 V	2170	3/4	No
SIC International	12.568 H	2894	3/4	Viaccess 1 Viaccess 2
Unire 1	12.608 H	27500	3/4	PowerVu
Unire 2	12.608 H	27500	3/4	PowerVu
Rete Capri	12.608 H	27500	3/4	No
Snai Sat	12.608 H	27500	3/4	No
Toscana News Channel	12.608 H	27500	3/4	No
LA 7	12.630 H	6111	3/4	No
MTV Italia	12.630 H	6111	3/4	No
RTK 21 Sat	12.633 V	4883	1/2	No
TV Shqiptar Satelit	12.656 V	4883	1/2	No
Ajara TV	12.675 V	4340	3/4	No
TVR Cultural	12.680 V	3000	3/4	No
TV 7 Satellite	12.683 V	2894	3/4	No
NTV Hayat	12.692 H	4340	1/2	Viaccess 2
Romania 1	12.716 V	9913	3/4	No
TVR 2	12.716 V	9913	3/4	No
TV Romania International	12.716 V	9913	3/4	No
Armenia TV	12.725 H	3418	2/3	No

Hot Bird 1,2,3,4,6 - 13°E

Channel name	Frequen cy	Symbol Rate	FEC	Scrambled
Cyfra +	10.719 V	27500	3/4	MediaGuard 2
EWTN Europe	10.723 H	29900	3/4	No
CineNova 1	10.723 H	29900	3/4	CryptoWorks
CineNova 2	10.723 H	29900	3/4	CryptoWorks
MTA Internacional	10.723 H	29900	3/4	No
Fox Sports Turkey (19-06)	10.723 H	29900	3/4	CryptoWorks
Fox Kids Russia (06-19)	10.723 H	29900	3/4	CryptoWorks
Deepam TV	10.723 H	29900	3/4	Viaccess 2
E!	10.723 H	29900	3/4	CryptoWorks
TPS	10.758 V	27500	3/4	Viaccess 1 Viaccess 2 MediaGuard 2
AFN Sports	10.775 H	28000	3/4	PowerVu
AFN Atlantic	10.775 H	28000	3/4	PowerVu
AFN Spectrum	10.775 H	28000	3/4	PowerVu
AFN Pacific	10.775 H	28000	3/4	PowerVu
AFN News	10.775 H	28000	3/4	PowerVu
AFN Korea	10.775 H	28000	3/4	PowerVu

AFN Guide	10.775 H	28000	3/4	PowerVu
The Pentagon Channel	10.775 H	28000	3/4	PowerVu
TPS	10.796 V	27500	3/4	Viaccess 1 Viaccess 2 MediaGuard 2
Duna TV	10.815 H	-	-	Pal, No
TPS	10.834 V	27500	3/4	Viaccess 1 Viaccess 2
TPS	10.873 V	27500	3/4	Viaccess 1 Viaccess 2
Cyfra +	10.892 H	27500	3/4	MediaGuard 2
TPS	10.911 V	27500	3/4	Viaccess 1 Viaccess 2 MediaGuard 2
Nova	10.930 H	27500	3/4	Irdeto 2
Mediatel	10.949 V	27500	3/4	No
Tele Lumiere	10.949 V	27500	3/4	No
Maharishi Open University Europe	10.949 V	27500	3/4	No
Vectone Urdu	10.949 V	27500	3/4	No
Vectone Bangia	10.949 V	27500	3/4	No
Sun TV	10.949 V	27500	3/4	No
Surya TV	10.949 V	27500	3/4	No
Catroom Network CE	10.949 V	27500	3/4	CryptoWorks MediaGuard 2
Casino TV	10.949 V	27500	3/4	No
Vectone Tamil	10.949 V	27500	3/4	No
Vectone Hindi	10.949 V			
TRT International	10.957 H	4340	3/4	No
TRT International	10.974 H	-	-	Pal, No
Sky Italiy	10.992 V	27500	3/4	Irdeto 2 MediaGuard 2 VideoGuard
KTO	11.034 V	27500	3/4	Viaccess 1 Viaccess 2
The God Channel	11.034 V	27500	3/4	No
Boomerang France	11.034 V	27500	3/4	Viaccess 1 Viaccess 2
Beur TV	11.034 V	27500	3/4	No
Tele Melody	11.034 V	27500	3/4	Viaccess 1 Viaccess 2
CCTV 9	11.034 V	27500	3/4	No
RTR Planeta	11.034 V	27500	3/4	No
TFJ	11.034 V	27500	3/4	No
Berber TV	11.034 V	27500	3/4	Viaccess 1 Viaccess 2
RTL NRW	11.054 H	27500	5/6	No
Vox Schweiz	11.054 H	27500	5/6	No
RTL Schweiz	11.054 H	27500	5/6	No
RTL 2 Österreich	11.054 H	27500	5/6	No
CNN International	11.054 H	27500	5/6	CryptoWorks
NBC Europe	11.054 H	27500	5/6	No
ZDF	11.054 H	27500	5/6	No
RTL NRW	11.054 H	27500	5/6	No
Arte Deutsch	11.060 V	6510	5/6	No
Arte France	11.060 V	6510	5/6	No
France 5	11.079 V	-	-	Pal, No
Arte France	11.079 V	-	-	Pal, No
KurdSat	11.096 H	27500	3/4	No

Spice Platinum (22-04)	11.096 H	27500	3/4	Irdeto 2
XXP	11.096 H	27500	3/4	No
CNL	11.096 H	27500	3/4	No
Bahninform	11.096 H	27500	3/4	Conax
BBC World	11.114 V	-	-	
BBC Prime	11.131 V	5632	3/4	Viaccess 1
Motors TV	11.137 H	27500	3/4	Viaccess 1 Viaccess 2
TV 5 FBS	11.137 H	27500	3/4	No
TV 5 Europe	11.137 H	27500	3/4	No
Roma Uno	11.137 H	27500	3/4	No
No Zap	11.137 H	27500	3/4	Sky Crypt
Videolook Channel	11.137 H	27500	3/4	No
Kurdistan TV	11.137 H	27500	3/4	No
TBN Italy	11.137 H	27500	3/4	No
Videolina	11.137 H	27500	3/4	No
Toscana News Channel	11.137 H	27500	3/4	No
RTB International	11.137 H	27500	3/4	No
Amica 9 Telestar	11.137 H	27500	3/4	No
DW TV Arabic	11.143 V	5500	7/8	No
DW TV America	11.143 V	5500	7/8	No
DW TV	11.161 V	-	-	No, Pal
Sisal TV	11.179 H	27500	3/4	PowerVu
Napoli Nova	11.179 H	27500	3/4	No
Arirang TV World 1	11.179 H	27500	3/4	No
Gioco Calcio TV 1	11.179 H	27500	3/4	VideoGuard MediaGuard 2
Gioco Calcio TV 2	11.179 H	27500	3/4	VideoGuard MediaGuard 2
Gioco Calcio TV promo	11.179 H	27500	3/4	VideoGuard MediaGuard 2
Gioco Calcio TV promo	11.179 H	27500	3/4	VideoGuard MediaGuard 2
Elite Shopping	11.200 V	27500	5/6	No
Sailing Channel	11.200 V	27500	5/6	No
Noello Sat	11.200 V	27500	5/6	No
Cardmania	11.200 V	27500	5/6	No
Superpippa Channel	11.200 V	27500	5/6	No
Odeon TV	11.200 V	27500	5/6	No
Network Teleport Italia	11.200 V	27500	5/6	No
TeleCampione	11.200 V	27500	5/6	No
Starsat	11.200 V	27500	5/6	No
Noello Silver	11.200 V	27500	5/6	No
Noello Gold	11.200 V	27500	5/6	No
Audio Sat	11.200 V	27500	5/6	No
People TV	11.200 V	27500	5/6	No
Roma Sat	11.200 V	27500	5/6	No
Al Hayat	11.200 V	27500	5/6	No
Mantova TV	11.200 V	27500	5/6	No
Telefonica promo	11.224 H	27500	3/4	No
MTV Portugal	11.242 V	27500	3/4	CryptoWorks
MTV Polska	11.242 V	27500	3/4	CryptoWorks
Game One	11.242 V	27500	3/4	CryptoWorks Viaccess 1 Viaccess 2
MTV Classic	11.242 V	27500	3/4	CryptoWorks
MTV NL	11.242 V	27500	3/4	CryptoWorks

MTV Europe	11.242 V	27500	3/4	CryptoWorks
VH 1 European	11.242 V	27500	3/4	Viaccess 1 Viaccess 2 CryptoWorks
MTV France	11.242 V	27500	3/4	Viaccess 1 Viaccess 2 CryptoWorks
MTVCentral	11.242 V	27500	3/4	CryptoWorks
Mantova TV	11.262 H	27500	3/4	No
Cyfra +	11.283 V	27500	3/4	MediaGuard 2
Venevision Continental	11.304 H	27500	3/4	No
Mundovision	11.304 H	27500	3/4	No
Cubavision International	11.304 H	27500	3/4	No
TV 5 Europe	11.322 V	-	-	No, Pal
TV 5 Asie	11.338 V	5632	3/4	No
Rai Uno	11.363 V	-	-	No, Pal
Rai International 4	11.381 H	4400	7/8	RAS
Italia Uno	11.387 H	19633	2/3	MediaGuard 1
Canale 5	11.387 H	19633	2/3	MediaGuard 1
TVN	11.408 V	27500	3/4	No
TVN 24	11.408 V	27500	3/4	Conax MediaGuard 2
TVN Siedam	11.408 V	27500	3/4	No
TVN	11.408 V	27500	3/4	Conax
TVN Siedam	11.408 V	27500	3/4	Conax
Mango 24	11.408 V	27500	3/4	No
TVN Meteo	11.408 V	27500	3/4	No
TVN Turbo	11.408 V	27500	3/4	No
Polsat	11.413 H	6200	7/8	No
Polsat 2 International	11.413 H	6200	7/8	No
TV 4	11.431 H	-	-	No, Pal
Rai Due	11.446 V	-	-	No, Pal
Rai International 4	11.464 V	4400	7/8	RAS
TV Polonia	11.474 H	-	-	No, Pal
TVN	11.489 V	-	-	No, Pal
Cyfra +	11.513 H	27500	3/4	MediaGuard 2
Rai Tre	11.531 V	-	-	No, Pal
TBN Europe	11.566 H	-	-	No, Pal
TV NRW	11.604 H	27500	5/6	No
Das Erste	11.604 H	27500	5/6	No
DW TV	11.604 H	27500	5/6	No
RTL 2 Schweiz	11.604 H	27500	5/6	No
Viva Polska	11.604 H	27500	5/6	No
Chai TV Promo	11.623 V	27500	3/4	No
Channel X (03-21)	11.623 V	27500	3/4	No
Ultra Blue TV (21-03)	11.623 V	27500	3/4	Viaccess 2 Irdeto 2
Hit Channel	11.623 V	27500	3/4	No
Canal Club	11.623 V	27500	3/4	No
TV Romania International	11.623 V	27500	3/4	No
Channel Sun	11.623 V	27500	3/4	Viaccess 2
123 Sat	11.623 V	27500	3/4	No
Live Show TV	11.623 V	27500	3/4	No
Sexy Cine TV	11.623 V	27500	3/4	No
Bloomberg TV France	11.642 H	27500	3/4	PowerVu
Bloomberg TV Italia	11.642 H	27500	3/4	PowerVu
Bloomberg TV Europe	11.642 H	27500	3/4	No

Bloomberg TV Germany	11.642 H	27500	3/4	No
Bloomberg TV UK	11.642 H	27500	3/4	No
Miracle	11.642 H	27500	3/4	No
TPS	11.662 V	27500	3/4	Viaccess 1 Viaccess 2
AB Sat	11.681 H	27500	3/4	CryptoWorks Viaccess 1 Viaccess MediaGuard 1 MediaGuard 2
RTP International	11.727 H	-	-	No, Pal
Dubai EDTV Europe	11.747 H	27500	3/4	No
Dubai Sports Channel Europe	11.747 H	27500	3/4	No
Dubai Business Channel	11.747 H	27500	3/4	No
PMC	11.747 H	27500	3/4	No
Rai Uno	11.766 V	27500	3/4	No
Rai Due	11.766 V	27500	3/4	No
Rai Tre	11.766 V	27500	3/4	No
Rai Med	11.766 V	27500	3/4	No
Senato Italiano	11.766 V	27500	3/4	No
Rai Edu 2	11.766 V	27500	3/4	No
Rai Doc	11.766 V	27500	3/4	No
RAI Utile promo	11.766 V	27500	3/4	No
TVE Internacional Europe	11.785 H	27500	3/4	No
Canal 24 horas	11.785 H	27500	3/4	No
TVE Internacional Asia-Africa	11.785 H	27500	3/4	No
Canal Clasico	11.785 H	27500	3/4	BISS
Tele Deporte	11.785 H	27500	3/4	BISS
Hispavision	11.785 H	27500	3/4	BISS
Canal Nostalgia	11.785 H	27500	3/4	BISS
Rai News 24	11.804 V	27500	2/3	No
Camera dei Deputati	11.804 V	27500	2/3	No
Telepace	11.804 V	27500	2/3	No
Rai Sport Satellite	11.804 V	27500	2/3	No
Rai Nettuno Sat 2	11.804 V	27500	2/3	No
Rai Edu 1	11.804 V	27500	2/3	No
Rai Nettuno Sat 1	11.804 V	27500	2/3	No
Sat 2000	11.804 V	27500	2/3	No
Nova	11.823 H	27500	3/4	Irdeto2
Sky Italia	11.843 V	27500	3/4	Irdeto2 MediaGuard 2 VideoGuard
Sky Italia	11.862 H	27500	3/4	MediaGuard 2 VideoGuard
Sky Italia	11.881 V	27500	3/4	No
Sky Italia	11.900 H	27500	3/4	MediaGuard 2 VideoGuard

Italia 1	11.919 V	27500	2/3	No
Canale 5	11.919 V	27500	2/3	No
Rete 4	11.919 V	27500	2/3	No
RTV International	11.938 H	27500	3/4	Viaccess 2
Nashe Kino	11.938 H	27500	3/4	Viaccess 2
Detski Mir	11.938 H	27500	3/4	Viaccess 2
TeleKlub	11.938 H	27500	3/4	Viaccess 2
Pervy kanal Vsemirnaya setj	11.938 H	27500	3/4	No
Tamil Ozhi	11.938 H	27500	3/4	No
DAN Cinema	11.938 H	27500	3/4	No
SS Music	11.938 H	27500	3/4	No
Jaya TV	11.938 H	27500	3/4	No
Ray TV	11.938 H	27500	3/4	No
Ceylon TV	11.938 H	27500	3/4	No
Sky Italia	11.958 V	27500	3/4	MediaGuard 2 VideoGuard
Sky Italia	11.977 H	27500	3/4	Irdeto 2 MediaGuard 2 VideoGuard
Sky Italia	11.996 V	27500	3/4	MediaGuard 2
ART paket	12.015 H	27500	3/4	Viaccess 2
Sky Italia	12.034 V	27500	3/4	MediaGuard 2 VideoGuard
Sky Italia	12.054 H	27500	3/4	MediaGuard 2 VideoGuard
Sky Italia	12.073 V	27500	3/4	MediaGuard 2
TV Locale	12.092 H	27500	3/4	No
Italisat	12.092 H	27500	3/4	No
247 Sex TV promo	12.092 H	27500	3/4	No
Meharaji	12.092 H	27500	3/4	No
SCT - Satisfaction Channel TV	12.092 H	27500	3/4	Irdeto2 Viaccess2
Sex TV	12.092 H	27500	3/4	Irdeto2 Viaccess2
Sex View	12.092 H	27500	3/4	Irdeto2 Viaccess2
Sex View +	12.092 H	27500	3/4	Irdeto2 Viaccess2
Dont Panic TV	12.092 H	27500	3/4	Irdeto2 Viaccess2
Sex Gay TV	12.092 H	27500	3/4	Irdeto2 Viaccess2
Top TV	12.092 H	27500	3/4	No
MRTV 3	12.111 V	27500	3/4	No
Public TV of Armenia	12.111 V	27500	3/4	No
Made In Italy	12.111 V	27500	3/4	No
Ceramicanda	12.111 V	27500	3/4	No
Al Jeezera Satellite Channel	12.111 V	27500	3/4	No
UnoSat	12.111 V	27500	3/4	No
Coming Soon TV	12.111 V	27500	3/4	No
Mediterraneo Sat	12.111 V	27500	3/4	No
Gay TV	12.111 V	27500	3/4	No
Magyar 2	12.130 H	-	-	No
PTV Prime	12.149 V	27500	3/4	No
Duna TV	12.149 V	27500	3/4	No
TV 7	12.149 V	27500	3/4	No

CaspioNet	12.149 V	27500	3/4	No
Chat Game TV	12.149 V	27500	3/4	No
Tiziana Sat	12.149 V	27500	3/4	No
Nova	12.169 H	27500	3/4	Irdeto2
CCTV 4	12.169 H	27500	3/4	No
Nova Mosaic	12.169 H	27500	3/4	No
Kanali Voulis	12.169 H	27500	3/4	Irdeto2
OTE Promo	12.188 V	27500	3/4	No
Balkania TV	12.188 V	27500	3/4	No
High TV	12.188 V	27500	3/4	No
RTS Sat	12.188 V	27500	3/4	No
Magic Peiraia	12.188 V	27500	3/4	No
0-6 TV	12.188 V	27500	3/4	No
ERT Sat	12.188 V	27500	3/4	No
Extra channel 3	12.188 V	27500	3/4	No
Tele Asty	12.188 V	27500	3/4	No
MKTV	12.188 V	27500	3/4	No
X Dream TV promo	12.207 H	27500	3/4	No
RR Sat promo	12.207 H	27500	3/4	No
Kairali Channel	12.207 H	27500	3/4	No
Asianet	12.207 H	27500	3/4	No
IBA Arabic Channel	12.207 H	27500	3/4	No
VTV 4	12.207 H	27500	3/4	No
VIC TV Deutschland	12.207 H	27500	3/4	No
VIC TV Europe	12.207 H	27500	3/4	No
RR Sat promo	12.207 H	27500	3/4	No
BK 063 Sat	12.207 H	27500	3/4	No
Thai TV Global Network	12.207 H	27500	3/4	No
Daystar TV	12.207 H	27500	3/4	No
TCT World	12.207 H	27500	3/4	No
Arirang TV World 1	12.207 H	27500	3/4	No
Worldnet Europe	12.226 V	12800	3/4	No
Worldnet	12.226 V	12800	3/4	No
CFI Peco Pro	12.245 H	27500	3/4	Viaccess 1
MCM Top	12.245 H	27500	3/4	Viaccess1 MediaGuard 1
Fashion TV	12.245 H	27500	3/4	No
TTN – Tamil TV Network	12.245 H	27500	3/4	Viaccess 2
Mezzo	12.245 H	27500	3/4	Viaccess 1 Viaccess 2 MediaGuard 1
Gourmet TV	12.245 H	27500	3/4	No
Ajara TV	12.245 H	27500	3/4	No
Sexy Sat TV	12.245 H	27500	3/4	No
DCTV DaimlerChrysler TV	12.265 V	27500	3/4	No
TV Peiraia	12.284 H	27500	3/4	No
Kriti TV Satellite	12.284 H	27500	3/4	No
Polis TV	12.284 H	27500	3/4	No
902 Tileorasi	12.284 H	27500	3/4	No
RTV Slovenia	12.303 V	27500	3/4	Viaccess
BVN TV	12.303 V	27500	3/4	No

Napoli International	12.303 V	27500	3/4	No
Magic TV	12.303 V	27500	3/4	No
Count Down TV	12.303 V	27500	3/4	No
Pleasure TV	12.303 V	27500	3/4	No
TV Slovenia 1 tests	12.303 V	27500	3/4	No
Blu Line TV	12.303 V	27500	3/4	No
NTV Hayat	12.303 V	27500	3/4	Viaccess 2
Dance TV	12.303 V	27500	3/4	No
Italian Music Channel	12.303 V	27500	3/4	No
Sat 8	12.303 V	27500	3/4	No
Oasi TV	12.303 V	27500	3/4	No
Cyfrowy Polsat	12.322 H	27500	3/4	NagraVision
Sky Italia	12.341 V	27500	3/4	MediaGuard 2 VideoGuard
Cyfrowy Polsat	12.360 H	27500	3/4	NagraVision
Syria Satellite Channel	12.380 V	27500	3/4	No
Sat 7	12.380 V	27500	3/4	No
Abu Dhabi TV	12.380 V	27500	3/4	No
TV MonteNegro	12.380 V	27500	3/4	No
Telepace	12.380 V	27500	3/4	No
Jordan Satellite Channel	12.380 V	27500	3/4	No
Equidia Pro 3	12.380 V	27500	3/4	MediaGuard
Equidia Pro 1	12.380 V	27500	3/4	MediaGuard
ASB	12.380 V	27500	3/4	No
SBC Switzerland	12.399 H	27500	3/4	Viaccess 1
Sky Italia	12.418 V	27500	3/4	MediaGuard 2 VideoGuard
Jaam-e-Jam TV Network 1	12.437 H	27500	3/4	No
Jaam-e-Jam TV Network 2	12.437 H	27500	3/4	No
Sahar Universal Network 1	12.437 H	27500	3/4	No
Sahar Universal Network 2	12.437 H	27500	3/4	No
Alalam News Channel	12.437 H	27500	3/4	No
Hallmark Central Europe	12.460 V	27500	3/4	PowerVu
Hallmark Channal East Europe	12.460 V	27500	3/4	PowerVu
Hallmark Czechia	12.460 V	27500	3/4	PowerVu
Hallmark Turkey & Greece	12.460 V	27500	3/4	PowerVu
Hallmark Spain & Portugal	12.460 V	27500	3/4	PowerVu
Hallmark Scandilux	12.460 V	27500	3/4	PowerVu
Hallmark Russia & Middle east	12.460 V	27500	3/4	PowerVu
Hallmark UK	12.460 V	27500	3/4	PowerVu
Europe by Satellite	12.476 H	27500	3/4	No
Liberty	12.476 H	27500	3/4	No

TV.com				
Zee TV Europe	12.476 H	27500	3/4	Irdeto 2
Mezopotamya TV	12.476 H	27500	3/4	No
2M Maroc	12.476 H	27500	3/4	No
Ary digital UK	12.476 H	27500	3/4	Irdeto 2
Zee Cinema UK	12.476 H	27500	3/4	Irdeto 2
B4U Movies UK	12.476 H	27500	3/4	Irdeto 2
HRT 1	12.520 V	27500	3/4	Viaccess 2
HRT 2	12.520 V	27500	3/4	Viaccess 2
HRT Sat	12.520 V	27500	3/4	Viaccess 2
HRT 3	12.520 V	27500	3/4	Viaccess 2
SET	12.520 V	27500	3/4	No
Sardegna Uno	12.520 V	27500	3/4	No
Puglia Channel	12.520 V	27500	3/4	No
IPN	12.520 V	27500	3/4	No
Iran TV Network	12.520 V	27500	3/4	No
Jam-e-Jam International	12.520 V	27500	3/4	No
Beni Culturali Channel test	12.520 V	27500	3/4	No
Tapesh TV	12.520 V	27500	3/4	No
TV Bulgaria	12.539 H	27500	3/4	No
Mediolanum Channel	12.539 H	27500	3/4	No
Nile TV International	12.539 H	27500	3/4	No
Nile News	12.539 H	27500	3/4	No
Opennet	12.558 V	27500	3/4	No
EuroSport	12.558 V	27500	3/4	Viaccess 1 Viaccess 2 MediaGuard 2 Irdeto 2
EuroSport News	12.558 V	27500	3/4	Viaccess 1 Viaccess 2 MediaGuard 2 Irdeto 2
24 Ore	12.558 V	27500	3/4	No
Tele Padre Pio	12.558 V	27500	3/4	No
Pink Plus	12.577 H	27500	3/4	Irdeto 2
Pink Extra	12.577 H	27500	3/4	Irdeto 2
The God Channel	12.577 H	27500	3/4	No
Fashion TV	12.577 H	27500	3/4	No
The Hope Channel	12.577 H	27500	3/4	No
Full X promo	12.577 H	27500	3/4	No
Al - Arabiyah	12.597 V	27500	3/4	No
ANN - Arab News Network	12.597 V	27500	3/4	No
BBC World	12.597 V	27500	3/4	No
CNN International	12.597 V	27500	3/4	Irdeto 2 Viaccess 1 Viaccess 2
EuroNews	12.597 V	27500	3/4	No
JSTV - japan satellite TV	12.597 V	27500	3/4	CryptoWorks
JSTV Promo	12.597 V	27500	3/4	CryptoWorks
Sky Italia	12.616 H	27500	3/4	Irdeto2 VideoGuard MediaGuard 2
Sky Italia	12.635 V	27500	3/4	Irdeto2 VideoGuard MediaGuard 2
Sharjah TV	12.654 H	27500	3/4	No

Qatar Satellite Channel	12.654 H	27500	3/4	No
Saudi Channel 1	12.654 H	27500	3/4	No
Kuwait Space Channel	12.654 H	27500	3/4	No
Jamahiriya Satellite Channel	12.654 H	27500	3/4	No
Sudan TV	12.654 H	27500	3/4	No
Oman TV	12.654 H	27500	3/4	No
ESC 1	12.654 H	27500	3/4	No
Al-Manar TV	12.654 H	27500	3/4	No
Thai TV Global Network	12.673 V	27500	3/4	No
3ABN	12.673 V	27500	3/4	No
TV Moda	12.673 V	27500	3/4	No
Studio Europa	12.673 V	27500	3/4	No
E TV	12.673 V	27500	3/4	No
Emi Li	12.673 V	27500	3/4	No
Playlist Italia	12.673 V	27500	3/4	No
Telemarket	12.673 V	27500	3/4	No
Game Network Europe	12.673 V	27500	3/4	No
AB Sat	12.692 H	27500	3/4	Viaccess 1 Viaccess 2 MediaGuard 1 MediaGuard 2
Sky Italia	12.713 V	27500	3/4	Irdeto2 VideoGuard MediaGuard 2
Sky Italia	12.731 H	27500	3/4	Irdeto2 VideoGuard MediaGuard 2

Eutelsat W1 - 10°E

Channel name	Frequency	Symbol rate	FEC	Scrambled
Hakk TV	11.012 H	3214	3/4	No
Antena 1 Rumania	11.024 H	5632	3/4	PowerVu
TGRT	11.054 H	4375	5/6	No
Al Iraqiyah	11.105 H	2790	3/4	No
Voice Of America	11.163 H	-	-	No
Herbalife Europe	11.163 H	-	-	No
APTN London	12.629 V	5632	3/4	RAS
Intelcom	12.704 H	2711	1/2	No
MGM	12.732 H	4713	3/4	RAS

Eutelsat W3 - 7°E

Channel name	Frequency	Symbol Rate	FEC	Scrambled
TVP 1	11.175 V	27500	3/4	VideoGuard
TVP 2	11.175 V	27500	3/4	VideoGuard
TV Polonia	11.175 V	27500	3/4	No
TVP 3 Regionalna	11.175 V	27500	3/4	VideoGuard
TV 5 Orient	11.283 V	27500	3/4	Viaccess 1
EuroSport	11.283 V	27500	3/4	Viaccess 1
EuroSport	11.283 V	27500	3/4	No

News				
M6 Suisse	11.283 V	27500	3/4	No
BFBS TV 1	11.324 V	27500	1/2	CryptoWorks
BFBS TV 2	11.324 V	27500	1/2	CryptoWorks
BBC News 24	11.324 V	27500	1/2	CryptoWorks
BBC News 24	11.324 V	27500	1/2	CryptoWorks
BFBS TV 1	11.324 V	27500	1/2	CryptoWorks
BBC News 24	11.324 V	27500	1/2	CryptoWorks
Novolari	11.449 V	27500	2/3	MPEG 4
DigiTurk	11.492 V	30000	3/4	CryptoWorks
DigiTurk	11.534 V	30000	3/4	CryptoWorks
DigiTurk	11.575 V	30000	3/4	CryptoWorks
DigiTurk	11.617 V	30000	3/4	CryptoWorks
DigiTurk	11.645 H	30000	3/4	CryptoWorks
DigiTurk	11.658 V	30000	3/4	CryptoWorks

Astra 1 A & Sirius 2/3 - 5°E

Channel name	Frequency	Symbol Rate	FEC	Scrambled
RTL 9	11.373 V	3260	5/5	No
TV 6	11.388 V	2894	3/4	No
RTV 21 Sat	11.739 H	8029	3/4	Irdeto 2
Koha Vision	11.739 H	8029	3/4	Irdeto 2
Novy Kanal	11.766 H	27500	3/4	No
TET	11.766 H	27500	3/4	No
Inter	11.766 H	27500	3/4	No
Enter	11.766 H	27500	3/4	No
Enter Film	11.766 H	27500	3/4	No
TRK Ukraina	11.766 H	27500	3/4	No
Viasat	11.785 V	27500	3/4	Viaccess 1 VideoGuard
Viasat	11.804 H	27500	3/4	Viaccess 1 VideoGuard
Viasat	11.823 V	27500	3/4	Viaccess 1 VideoGuard
Pervy Kanal Estonia	11.843 H	27500	3/4	Viaccess 1
Pervy Kanal Latvia	11.843 H	27500	3/4	Viaccess 1
Pervy Kanal Lietuva	11.843 H	27500	3/4	Viaccess 1
TV 3 Latvia	11.843 H	27500	3/4	Viaccess 1 Viaccess 2 VideoGuard
TV 3 + Latvia	11.843 H	27500	3/4	Viaccess 1 Viaccess 2 VideoGuard
ZTV Sverige	11.862 V	-	-	D2MAC EuroCrypt M
Viasat	11.881 H	27500	3/4	Viaccess 1 VideoGuard
ZTV Norge	11.919 H	-	-	D2MAC EuroCrypt M
Viasat	11.977 V	27500	3/4	Viaccess 1 VideoGuard
Viasat	11.996 H	27500	3/4	Viaccess 1 VideoGuard
Viasat	12.034 H	27500	3/4	Viaccess 1 VideoGuard
Viasat	12.054 V	27500	3/4	Viaccess 1 VideoGuard
TV 3 Sverige	12.092 V	-	-	D2MAC EuroCrypt M
Romantica	12.111 H	27500	5/6	CryptoWorks
Global Draw Greyhounds	12.111 H	27500	5/6	No
ESPN Classic	12.111 H	27500	5/6	No

B4U Movies UAE	12.111 H	27500	5/6	CryptoWorks
Romantica	12.111 H	27500	5/6	CryptoWorks
Private Gold	12.111 H	27500	5/6	CryptoWorks
Private Blue	12.111 H	27500	5/6	CryptoWorks
Showtime Turkey	12.111 H	27500	5/6	CryptoWorks
Animal Planet Europe	12.226 H	25540	7/8	PowerVu
Discovery Channel	12.226 H	25540	7/8	PowerVu
Animal Planet Turkey	12.226 H	25540	7/8	PowerVu
Discovery Channel East Europe	12.226 H	25540	7/8	PowerVu
Discovery Sci-Trek Middle East	12.226 H	25540	7/8	PowerVu
Discovery Channel Nederland & Vlaanderen	12.226 H	25540	7/8	PowerVu
Discovery Channel Poland	12.226 H	25540	7/8	PowerVu
Discovery Travel & Adventure	12.226 H	25540	7/8	PowerVu
Discovery Sci-Trek	12.226 H	25540	7/8	PowerVu
Discovery Civilisation	12.226 H	25540	7/8	PowerVu
Animal Planet Europe	12.226 H	25540	7/8	PowerVu
SVT 1	12.245 V	27500	7/8	Conax
SVT 2	12.245 V	27500	7/8	Conax
SVT 24	12.245 V	27500	7/8	Conax
SVT Extra	12.245 V	27500	7/8	Conax
SVT ABC nytt	12.245 V	27500	7/8	Conax
SVT Smalandsn ytt	12.245 V	27500	7/8	Conax
Sirius Channel	12.245 V	27500	7/8	Conax
QVC UK	12.303 H	25548	7/8	No
Discovery Channel Italy	12.303 H	25548	7/8	PowerVu
Cartoon Network Middle East	12.303 H	25548	7/8	PowerVu
TCM Europe	12.303 H	25548	7/8	PowerVu
Cartoon Network Italy	12.303 H	25548	7/8	PowerVu
Cartoon Network Netherlands	12.303 H	25548	7/8	PowerVu
CNBC Europe	12.303 H	25548	7/8	PowerVu
National Geographic	12.303 H	25548	7/8	PowerVu
Rail TV promo	12.341 H	20000	3/4	No
SVT Europa	12.380 H	27500	3/4	Viaccess 1

TV Chille (connova)	12.380 H	27500	3/4	Viaccess 1
NTV Mir	12.380 H	27500	3/4	Viaccess 1 Viaccess 2
RTR Planeta	12.380 H	27500	3/4	Viaccess 1 Viaccess 2
Viasat 3	12.380 H	27500	3/4	Viaccess 1
Perviy kanal Vsemirnaja Set	12.380 H	27500	3/4	Viaccess 1 Viaccess 2
Moskva – Orkrytyi Mir	12.380 H	27500	3/4	No
The Global Draw	12.453 H	18056	3/4	No
Fantastic	12.453 H	18056	3/4	Conax
Pro TV	12.449 H	12130	7/8	PowerVu
Acasa TV	12.449 H	12130	7/8	PowerVu
Pro TV International	12.449 H	12130	7/8	No
BTV	12.465 H	10790	7/8	No
ICTV	12.633 V	3720	3/4	No
TV 1000 East	12.637 H	14465	3/4	Viaccess 1 VideoGuard
Viasat Explorer East	12.637 H	14465	3/4	Viaccess 1 VideoGuard
Realitatea TV	12.697 V	14685	3/4	No
Etno TV	12.697 V	14685	3/4	No
Atomic TV	12.697 V	14685	3/4	No
TV Sport	12.697 V	14685	3/4	No

Intelsat 707/Thor 2,3 - 1°W

Channel name	Frequency	Symbol Rate	FE C	Scrambled
Al – Islah Tv	10.979 V	2000	2/3	No
RR Sat promo	10.984 V	3255	3/4	No
RR Sat promo	10.984 V	3255	3/4	No
Watchhow!	10.984 V	3255	3/4	No
VIC TV Turkiye	10.984 V	3255	3/4	No
24 Nordjyske	10.988 V	6111	3/4	No
CCTV 9	11.014 H	26000	3/4	No
Ofek 1	11.029 V	2815	3/4	No
TV 3 Norge	11.096 H	-	-	D2MAC EuroCrypt M
BBC Food	11.125 H	3617	3/4	BISS
Toto Tv	11.162 H	4203	2/3	Conax
MTV Sweden	11.168 H	3100	7/8	No
Gospel Channel Europe	11.172 H	3250	7/8	No
Edusat	11.189 V	2142	3/4	No
Canal Digital	11.216 V	24500	7/8	Conax
Canal Digital	11.229 H	24500	7/8	Conax
SVT 1	11.247 V	24500	7/8	Conax

SVT 2	11.247 V	24500	7/8	Conax
TV 2	11.247 V	24500	7/8	Conax
Next Channel promo	11.247 V	24500	7/8	Conax
Gospel Channel Europe	11.247 V	24500	7/8	Conax
Canal Digital	11.261 H	24500	7/8	Conax
Canal Digital	11.278 V	24500	7/8	Conax
Canal Digital	11.309 V	24500	7/8	Conax
Canal Digital	11.325 H	24500	7/8	Conax
TV 4 Sweden	11.389 H	-	-	No, Pal
DR 1	11.403 V	24500	7/8	Conax
DR 2	11.403 V	24500	7/8	Conax
Canal Digital	11.421 H	24500	7/8	Conax
TV 3 Danmark	11.473 V	-	-	D2MAC EuroCrypt M
joj	11.540 V	26000	3/4	Conax
TA 3	11.540 V	26000	3/4	No
Music Box	11.540 V	26000	3/4	No
Canal Digital	11.677 H	26000	3/4	Conax
TV 3 +	11.747 H	-	-	D2MAC EuroCrypt M
Neleonen	12.054 H	28000	7/8	Conax
TV Finland	12.054 H	28000	7/8	Conax
MTV 3	12.054 H	28000	7/8	Conax
Sub TV	12.054 H	28000	7/8	Conax
BBT	12.169 H	28000	7/8	Conax
M Sat	12.169 H	28000	7/8	Conax
Diema +	12.169 H	28000	7/8	Conax
Den TV	12.169 H	28000	7/8	Conax
Planeta TV	12.169 H	28000	7/8	No
Evrokom	12.169 H	28000	7/8	Conax
Nova TV	12.169 H	28000	7/8	Conax
TV SKAT	12.169 H	28000	7/8	Conax
Kanal 8	12.169 H	28000	7/8	Conax
Diema 2	12.169 H	28000	7/8	Conax
Heros Tv	12.169 H	28000	7/8	Conax
Vaselina TV	12.169 H	28000	7/8	Conax
FUN TV	12.169 H	28000	7/8	Conax
Canal Digital	12.226 V	28000	7/8	Conax
Visjon Norge	12.226 V	28000	7/8	No
BKTV	12.226 V	28000	7/8	No
Visages TV	12.226 V	28000	7/8	No

Kanal 8	12.226 V	28000	7/8	No
Canal Digital	12.303 V	27800	3/4	Conax
Canal Digital	12.322 H	27800	3/4	Conax
Canal Digital	12.399 H	27800	3/4	Conax
Canal Digital	12.456 V	28000	3/4	Conax
Canal Digital	12.476 H	27800	3/4	Conax

Amos 1 - 4°W

Channel name	Frequency	Symbol Rate	FEC	Scrambled
Yes	10.972 V	27500	7/8	VideoGuard
Yes	11.008 V	27500	7/8	VideoGuard
Yes	11.056 V	27500	7/8	VideoGuard
Yes	11.092 V	27500	7/8	VideoGuard
Channel 10	11.177 V	8520	2/3	No
Channel 2	11.177 V	8520	2/3	No
METV – Middle East TV	11.190 V	6522	3/4	No
Super Max	11.224 H	27500	3/4	PowerVu+
HBO Hungary	11.224 H	27500	3/4	PowerVu+
HBO Czechia	11.224 H	27500	3/4	PowerVu+
HBO Polska	11.224 H	27500	3/4	PowerVu+
Spektrum TV Czechia	11.224 H	27500	3/4	PowerVu+
Spektrum TV Hungary	11.224 H	27500	3/4	PowerVu+
Viva +	11.224 H	27500	3/4	PowerVu+
HBO Romania	11.224 H	27500	3/4	PowerVu+
HBO Bulgaria	11.224 H	27500	3/4	PowerVu+
Spektrum International	11.224 H	27500	3/4	PowerVu+
MiniMax Romania (07-19)	11.260 H	27500	3/4	
MusicMax Romania (19-07)	11.260 H	27500	3/4	
MusicMax Hungary (22-20)	11.260 H	27500	3/4	No
ITV (23-24)	11.260 H	27500	3/4	No
MiniMax Hungary (06-20)	11.260 H	27500	3/4	MediaGuard
MusicMax Hungary (20-23 i 00-06)	11.260 H	27500	3/4	MediaGuard
Hir TV	11.260 H	27500	3/4	MediaGuard
Filmmuzeum	11.260 H	27500	3/4	MediaGuard

Pax TV Hungary	11.260 H	27500	3/4	No
MusicMax	11.260 H	27500	3/4	No
Magyar ATV	11.304 H	19540	3/4	No
M+	11.304 H	19540	3/4	No
F+	11.304 H	19540	3/4	No
Budapest TV	11.304 H	19540	3/4	No
Halozat TV	11.304 H	19540	3/4	No
F+ Romania	11.304 H	19540	3/4	No
Alpha TV	11.319 H	3255	3/4	No
Nickelodeon Hungary	11.324 H	3332	3/4	PowerVu
HBO	11.331 H	6670	3/4	PowerVu
AXN	11.331 H	6670	3/4	PowerVu
TMT	11.347 H	2800	7/8	Irdeto
Nova TV	11.357 H	3350	3/4	
Telekanal STB	11.385 H	11570	3/4	No
M1	11.385 H	11570	3/4	No
Tonis	11.385 H	11570	3/4	No
1+1	11.385 H	11570	3/4	No
Kanal 5	11.405 H	12660	3/4	No
OTV Music	11.405 H	12660	3/4	No
KRT	11.405 H	12660	3/4	No
Pervy Kanal Vsemirnaya setj	11.405 H	12660	3/4	No
TV Pax Romania	11.416 H	3350	1/2	No
National TV	11.420 H	3326	3/4	CodyCrypt
MTV Romania	11.432 H	9650	3/4	Conax
Tele 7 ABC	11.432 H	9650	3/4	No
Bucuresti 1 TV	11.432 H	9650	3/4	No
TeleSport	11.432 H	9650	3/4	No
TVRM	11.443 H	3702	3/4	No
Yes	11.474 V	27500	3/4	VideoGuard
Yes	11.510 V	27500	7/8	VideoGuard
Yes	11.558 V	27500	3/4	VideoGuard
Yes	11.593 V	27500	3/4	VideoGuard
Yes	11.641 V	27500	3/4	VideoGuard
Yes	11.676 V	27500	7/8	VideoGuard

Telecom 2C/Atlantic Bird 3 - 5°W

Channel name	Frequency	Symbol Rate	FEC	Scrambled
Reuters	3727 R	29950	7/8	No

World News				
LCI – La Chaîne Info	3784 R	27500	5/6	Viaccess 1
InfoSport	3784 R	27500	5/6	Viaccess 1
M6	3784 R	27500	5/6	Viaccess 1
TF 1	3784 R	27500	5/6	Viaccess 1
RFO Tempo	3784 R	27500	5/6	No
RFO Tele Mayotte	3784 R	27500	5/6	No
MTA International	3784 R	27500	5/6	No
KTN	4023 R	2894	3/4	No
M6	12.522 V	-	-	No, Secam
BRTV – La Chaîne berbère	12.543 H	27500	3/4	No
MCM 100% Begie	12.543 H	27500	3/4	Viaccess 1
France 2	12.564 V	-	-	No, Secam
TV 5 FBS	12.585 H	-	-	No, Pal
France 5	12.606 V	-	-	No, Secam
Arte France	12.606 V	-	-	No, Secam
Canal + France	12.648 V	-	-	NagraVision, Secam
TF 1	12.690 V	-	-	No, Secam
Iran TV Network	12.711 H	16921	5/6	No
Tapeshtv	12.711 H	16921	5/6	No
Channel one	12.711 H	16921	5/6	No
AssyriaSat	12.711 H	16921	5/6	No
France 3 Sat	12.732 V	-	-	No, Secam

NileSat 101/102 - 7°W

Channel name	Frequency	Symbol Rate	FEC	Scrambled
Primary education channel	11.747 V	27500	3/4	No
Preparatory education channel	11.747 V	27500	3/4	No
Secondary education channel	11.747 V	27500	3/4	No
Tehnicah education channel	11.747 V	27500	3/4	No
Language education channel	11.747 V	27500	3/4	No
Al tanweer educational channel	11.747 V	27500	3/4	No
High educational channel	11.747 V	27500	3/4	No
Al Manarah channel	11.747 V	27500	3/4	No
Almajd Channel 2 promo	11.747 V	27500	3/4	No
Illiterate education channel	11.747 V	27500	3/4	No
Horus satellite channel	11.747 V	27500	3/4	No
Neferty health channel	11.747 V	27500	3/4	No

ERTU 1	11.766 H	27500	3/4	No
ERTU 3	11.766 H	27500	3/4	Irdeto 2
ESC 2	11.766 H	27500	3/4	No
Nile TV International	11.766 H	27500	3/4	No
ESC 1	11.766 H	27500	3/4	No
ERTU 2 Sat	11.766 H	27500	3/4	No
ERTU 1	11.766 H	27500	3/4	No
Nilesat mosaic	11.766 H	27500	3/4	No
BBC World India	11.766 H	27500	3/4	No
ERTU 2	11.766 H	27500	3/4	No
EuroNews	11.785 V	27500	3/4	No
Dubai 33	11.785 V	27500	3/4	No
Dubai Sports Channel	11.785 V	27500	3/4	No
Dubai Buisiness Channel	11.785 V	27500	3/4	No
EDTV Channel	11.785 V	27500	3/4	No
EDTV Channel Europe	11.785 V	27500	3/4	No
Ajman TV	11.785 V	27500	3/4	No
Tamima TV	11.785 V	27500	3/4	No
Space Toon	11.785 V	27500	3/4	No
Nile TV International	11.785 V	27500	3/4	No
Nile News	11.785 V	27500	3/4	No
ADD	11.804 H	27500	3/4	Irdeto 2
Iraq satellite channel	11.823 V	27500	3/4	No
Palestinian satellite channel PSC	11.823 V	27500	3/4	No
Jamahirya Satellite Channel	11.823 V	27500	3/4	No
Sudan TV	11.823 V	27500	3/4	No
Oman TV	11.823 V	27500	3/4	No
Bahrain TV	11.823 V	27500	3/4	No
Kuwait space channel	11.823 V	27500	3/4	No
Al Andalus TV	11.823 V	27500	3/4	No
Syria Satellite Channel	11.823 V	27500	3/4	No
Al mehwer TV	11.823 V	27500	3/4	No
KTV 3	11.823 V	27500	3/4	No
KTV 4	11.823 V	27500	3/4	No
Nile News	11.843 H	27500	3/4	No
ERTU 7	11.843 H	27500	3/4	No
ERTU 8	11.843 H	27500	3/4	No
ERTU 5	11.843 H	27500	3/4	No

Nile Family and Kids	11.843 H	27500	3/4	No
Nile Variety	11.843 H	27500	3/4	Irdeto 2
Nile Drama	11.843 H	27500	3/4	Irdeto 2
Nile Sports	11.843 H	27500	3/4	Irdeto 2
Nile Sports Super	11.843 H	27500	3/4	Irdeto 2
Nile Culture	11.843 H	27500	3/4	No
Al Tanweer cultural channel	11.843 H	27500	3/4	No
Showtime Network	11.862 V	27500	3/4	Irdeto 2
ADD	11.881 H	27500	3/4	No
Al Majd Space Channel	11.900 V	27500	3/4	No
Thane International	11.900 V	27500	3/4	No
Dream TV	11.900 V	27500	3/4	No
Dream TV 2	11.900 V	27500	3/4	No
TV 5 Orient	11.900 V	27500	3/4	No
Melody TV	11.900 V	27500	3/4	No
Deutsche welle TV	11.900 V	27500	3/4	No
Qanaty Kids Channel	11.900 V	27500	3/4	No
ADD	11.958 H	27500	3/4	Irdeto 2
Showtime Network	11.977 V	27500	3/4	Irdeto 2
Showtime Network	11.996 H	27500	3/4	Irdeto 2
ADD	12.034 H	27500	3/4	Irdeto
Dubai 33	12.05 H	6111	3/4	No
Showtime Network	12.073 H	27500	3/4	Irdeto 2
NBN	12.130 V	27500	3/4	No
New TV	12.130 V	27500	3/4	No
Al-Manar TV	12.130 V	27500	3/4	No
Al-Manar TV	12.130 V	27500	3/4	No
Tele Liban	12.130 V	27500	3/4	No
LBC Sat	12.130 V	27500	3/4	No
Ala Andalus TV	12.192 V	2964	3/4	No
PSC	12.195 V	2894	3/4	No
Ajman TV	12.298V	2894	3/4	No

Telecom 2D/Atlantic Bird 2 - 8°W

Channel name	Frequency	Symbol Rate	FEC	Scrambled
RFO Tele Guyene	3746 R	6654	3/4	No
RFO Tempo	3746 R	6654	3/4	No
Nuvolari	11.139 V	27500	3/4	MPEG 4
Rai Edu Cultura	11.139 V	27500	3/4	MPEG 4

Rai Nettuno sat Uno	11.139 V	27500	3/4	MPEG 4
Rai Nettuno sat Due	11.139 V	27500	3/4	MPEG 4
Rai News 24	11.139 V	27500	3/4	MPEG 4
Video Italia	11.139 V	27500	3/4	MPEG 4
Salute Benesere	11.139 V	27500	3/4	MPEG 4
24 Ore	11.139 V	27500	3/4	MPEG 4
102&5 Hit Channel	11.139 V	27500	3/4	MPEG 4
Coming Soon TV	11.139 V	27500	3/4	MPEG 4
DeeJay TV	11.139 V	27500	3/4	MPEG 4
CNBC Europe	11.139 V	27500	3/4	MPEG 4
>Tele	11.139 V	27500	3/4	MPEG 4
MTV Italia	11.139 V	27500	3/4	MPEG 4
TV 5 Europe	11.139 V	27500	3/4	MPEG 4
Fashion TV	11.139 V	27500	3/4	MPEG 4
EuroNews	11.139 V	27500	3/4	MPEG 4
2M Marocco	11.139 V	27500	3/4	MPEG 4
Onyx	11.139 V	27500	3/4	MPEG 4
VisAvision	11.306 H	27500	3/4	NagraVision Conax
VisAvision	11.344 H	27500	3/4	Nagravision Conax
Bahninform	11.547 H	13850	3/4	Conax
Bahn TV	11.547 H	13850	3/4	No
Tiziana Sat PM	11.570 H	6510	2/3	No
Tiziana Sat RZ	11.570 H	6510	2/3	No
Tiziana Sat	11.570 H	6510	2/3	No
Tiziana Sat CR	11.570 H	6510	2/3	No
EuroSport	11.640 H	6800	5/6	No
Euronews	11.648 H	4440	3/4	No
TV Montenegro	11.652 H	4556	3/4	No
Canal + France	12.606 V	-	-	NagraVision, Secam
MBC USA	12.621 H	3300	3/4	No
Nuvolari	12.649 V	27500	3/4	MPEG 4
Rai Edu Cultura	12.649 V	27500	3/4	MPEG 4
Rai Nettuno sat Uno	12.649 V	27500	3/4	MPEG 4
Rai Nettuno sat Due	12.649 V	27500	3/4	MPEG 4
Rai News 24	12.649 V	27500	3/4	MPEG 4
Video Italia	12.649 V	27500	3/4	MPEG 4
Salute Benesere	12.649 V	27500	3/4	MPEG 4
24 Ore	12.649 V	27500	3/4	MPEG 4
102&5 Hit Channel	12.649 V	27500	3/4	MPEG 4
Coming Soon TV	12.649 V	27500	3/4	MPEG 4
DeeJay TV	12.649 V	27500	3/4	MPEG 4
CNBC Europe	12.649 V	27500	3/4	MPEG 4
>Tele	12.649 V	27500	3/4	MPEG 4
MTV Italia	12.649 V	27500	3/4	MPEG 4
TV 5 Europe	12.649 V	27500	3/4	MPEG 4
Fashion TV	12.649 V	27500	3/4	MPEG 4
EuroNews	12.649 V	27500	3/4	MPEG 4
2M Marocco	12.649 V	27500	3/4	MPEG 4
Onyx	12.649 V	27500	3/4	MPEG 4
TV Montenegro	12.679 H	2892	3/4	No

Express 3A - 11°W

Channel name	Frequency	Symbol Rate	FEC	Scrambled
Perviy kanal	3675 R	-	-	SECAM, 7.00, No
RTR Planeta	3694 R	4026	2/3	No
TV Evropa	3975 R	27731	7/8	No
Ring Plus	3975 R	27731	7/8	Irdeto 2
Kanal 3	3975 R	27731	7/8	No
SK Folk	3975 R	27731	7/8	No
Evrokom 1	3975 R	27731	7/8	No
MM	3975 R	27731	7/8	No
BKTV	3975 R	27731	7/8	No
ATV The Film Channel	3975 R	27731	7/8	Irdeto 2
Alexander TV	3975 R	27731	7/8	No
Georgian TV	11.464 V	4340	1/2	No
Kurdsat	11.469 V	3254	2/3	No
RTS Sat	11.520 V	2034	2/3	No
Video Italia	11.525 V	3863	2/3	No
Elefante Telemarket	11.529 V	2500	2/3	No
Studio Europa	11.537 V	2500	2/3	No
Salute Benessere	11.541 V	2893	3/4	No

Telstar 12 - 15°W

Channel name	Frequency	Symbol Rate	FEC	Scrambled
BTV	10.989 V	4480	3/4	No
UPC TV	10.996 V	7110	3/4	CryptoWorks
UPC TV	11.060 H	18386	3/4	CryptoWorks
UPC TV	11.120 V	14810	7/8	CryptoWorks
UPC TV	11.124 H	18386	3/4	Viaccess 1 CryptoWorks
UPC TV	11.150H	18386	3/4	Viaccess 1 CryptoWorks
Hallmark Channel tests	11.534 H	15000	3/4	PowerVu
Hallmark Channel Israel	11.534 H	15000	3/4	PowerVu
BYU TV	11.568 H	3426	3/4	No
TV Moda	11.732 H	29900	7/8	No
Video Italia	11.732 H	29900	7/8	No
Kuwait Space Channel	11.732 H	29900	7/8	No
Studio Europe	11.732 H	29900	7/8	No
EuroSport News	11.732 H	29900	7/8	No
INN Italian News Network	11.732 H	29900	7/8	No
Leonardo	11.732 H	29900	7/8	No
Antenna Satellite	11.799 H	20000	3/4	No
Future TV USA	11.799 H	20000	3/4	No
EDTV Channel Europe	11.799 H	20000	3/4	No
Dubuai Sports Channel Europe	11.799 H	20000	3/4	No
Saudi Arabia	11.799 H	20000	3/4	No

Channel name	Frequency	Symbol Rate	FEC	Scrambled
TV 1				
PSC Channel	11.799 H	20000	3/4	No
BVN TV	11.974 V	3400	3/4	No
UPC	12.054 V	18386	3/4	CryptoWorks
Avante	12.054 V	18386	3/4	CryptoWorks
Reality TV	12.054 V	18386	3/4	CryptoWorks
BYU TV	12.081 H	3935	3/4	No
Simaye Azadi Iran National TV	12.520 V	8700	1/2	No
ESPN Brazil	12.525 V	26470	3/4	PowerVu
ESPN 2I	12.525 V	26470	3/4	PowerVu
ESPN	12.525 V	26470	3/4	PowerVu
ESPNLatin Network	12.525 V	26470	3/4	PowerVu
ESPN Atlantic Network	12.525 V	26470	3/4	PowerVu
ESPN Pacrim Network	12.525 V	26470	3/4	PowerVu
Power TV	12.595 H	31830	3/4	Irdeto 2
Tzu Chi TV	12.595 H	31830	3/4	No
MAC TV	12.595 H	31830	3/4	No
NITV - National Iranian TV	12.595 H	31830	3/4	No
Pars TV	12.595 H	31830	3/4	No
Iran TV Network	12.595 H	31830	3/4	No
Tapesh TV	12.595 H	31830	3/4	No
Jaam-e-Jam International	12.595 H	31830	3/4	No
TFC North America	12.595 H	31830	3/4	No
Channel One	12.595 H	31830	3/4	No
Azadi TV promo	12.595 H	31830	3/4	No

Intelsat 901 - 18°W

Channel name	Frequency	Symbol Rate	FEC	Scrambled
Prima TV	10.980H	4200	3/4	No
Five (region 3)	11.525 V	12223	3/4	RAS
Five (region 4)	11.525 V	12223	3/4	RAS
Deutcher Bundestag Kanal 4	11.584 V	4266	3/4	Irdeto 1
Bundespresse amt	11.590 V	3904	3/4	Irdeto 1

Intelsat 605 - 27.5°W

Channel name	Frequency	Symbol Rate	FEC	Scrambled
WorldNet	3715 R	8448	1/2	No
Pro TV International	3732 R	14000	3/4	No
TRT International	3732 R	14000	3/4	No
VTV 4	3732 R	14000	3/4	No
Kurdsat	3732 R	14000	3/4	No
RR Global promo	3732 R	14000	3/4	No
The God Channel	3732 R	14000	3/4	No

WorldNet	3762 R	24993	3/4	No
WorldNet	3762 R	24993	3/4	No
WorldNet	3762 R	24993	3/4	No
WorldNet	3762 R	24993	3/4	No
TPA (Angola)	3799 L	-	-	PAL, 6,65, No
RTP Africa	3831 R	6528	2/3	No
RTP International	3856 R	6262	2/3	No
MBI Africa	3873 R	4000	1/2	No
Teve Andina	3880 R	3400	3/4	No
Africa Satellite Channel	3910 R	6110	3/4	No
ENTV	4010 R	-	-	PAL, 7.50, No
Record International	4048 R	7000	3/4	No
NTA (Nigeria)	4065 L	-	-	PAL, 6.60, No
SIS	11.591 H	-	-	B-Mac
Carlton Cinema (20-08)	11.665 H	30494	3/4	PowerVu

Hispasat - 30°W

Channel name	Frequency	Symbol Rate	FEC	Scrambled
Canal Hollywood	11.535 V	24500	5/6	NagraVision
Odisea	11.535 V	24500	5/6	NagraVision
Canal Panda	11.535 V	24500	5/6	NagraVision
Sol Musica Espana	11.535 V	24500	5/6	NagraVision
Canal Hollywood Portugal	11.535 V	24500	5/6	NagraVision
Sol Musica Portugal	11.535 V	24500	5/6	NagraVision
Canal 47	11.615 V	27500	3/4	No
Tele Local	11.615 V	27500	3/4	No
The God Channel	11.615 V	27500	3/4	No
Localia	11.615 V	27500	3/4	Viaccess 1
Enlace TBN	11.615 V	27500	3/4	No
Retelsat	11.615 V	27500	3/4	Viaccess 1
Triple X	11.615 V	27500	3/4	No
TV TeleLinea	11.615 V	27500	3/4	No
Canal 35	11.615 V	27500	3/4	No
RTV Amistad	11.615 V	27500	3/4	No
Wonderful	11.615 V	27500	3/4	No
La Tele Local 2	11.615 V	27500	3/4	No
Antena 3 Las Palmas	11.675 H	12625	5/6	PowerVu
Antena 3 Tenerife	11.675 H	12625	5/6	PowerVu
European Home Shopping	11.731 H	27500	3/4	No
XTVL	11.731 H	27500	3/4	BISS
Une	11.731 H	27500	3/4	BISS

European Home Shopping	11.731 H	27500	3/4	No
Equiniela	11.731 H	27500	3/4	BISS
Nueva Era	11.731 H	27500	3/4	No
Canal 4	11.731 H	27500	3/4	No
Disney Channel	11.731 H	27500	3/4	NagraVision
Digital +	11.731 V	27500	3/4	NagraVision
Digital +	11.771 V	27500	3/4	NagraVision
TV Cabo	11.811 H	27500	3/4	NagraVision
Digital +	11.811 V	27500	3/4	NagraVision
TV Cabo	11.851 H	27500	3/4	NagraVision
Digital +	11.851 V	27500	3/4	NagraVision
Digital +	11.891 V	27500	3/4	NagraVision
Via Local	11.931 H	27500	3/4	No
Playboy TV Iberia	11.931 H	27500	3/4	PowerVu
Vision Local	11.931 H	27500	3/4	No
Tu Farmacia TV	11.931 H	27500	3/4	No
Movida Local	11.931 H	27500	3/4	No
Max Local	11.931 H	27500	3/4	No
Gigashopping TV	11.931 H	27500	3/4	No
Canal 7	11.931 H	27500	3/4	No
Canal Senado	11.931 H	27500	3/4	No
Record Internacional	11.931 H	27500	3/4	No
Popular Tv	11.931 H	27500	3/4	No
Viver Vivir	11.931 H	27500	3/4	NagraVision
Canal Intimo	11.931 H	27500	3/4	NagraVision
Digital +	11.931 V	27500	3/4	NagraVision
TV Cabo	12.012 V	27500	3/4	NagraVision
Paquete Digitale RTVE	12.015 V	27500	3/4	NagraVision
TVA Canarias (23-04)	12.052 H	28126	5/6	No
Paquete Digitale RTVE	12.052 V	27500	3/4	NagraVision
Digital +	12.149 V	27500	3/4	NagraVision
Syria Channel	12.172 H	27500	3/4	No
Hispasat Promo	12.172 H	27500	3/4	No
Real Madrid TV	12.172 H	27500	3/4	Viaccess
MTA	12.172 H	27500	3/4	No
Abu Dhabi TV	12.172 H	27500	3/4	No
TV Marti	12.172 H	27500	3/4	No
Tele Lumiere	12.172 H	27500	3/4	No
Digital +	12.226 V	27500	3/4	NagraVision
Digital +	12.303 V	27500	3/4	NagraVision
Digital +	12.380 V	27500	3/4	NagraVision

Digital +	12.456 V	27500	3/4	NagraVision
Canal + Espana	12.591 H	-	-	Pal, NagraVision
TVE La Primavera	12.671 V	28126	5/6	PowerVu
TVE La 2	12.671 V	28126	5/6	PowerVu
Tele Cinco	12.671 V	28126	5/6	PowerVu
Antena 3	12.671 V	28126	5/6	PowerVu
Tele Cinco Canarias	12.671 V	28126	5/6	PowerVu
Atei	12.671 V	28126	5/6	No

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