







www.bb24.biz


This is the full list of channels you can receive in Germany with standard (FTA 80 cm dish, 0.3 dB LNB, non DVB-S2) equipment and appropriate decryption card.






SES 5 / Astra 4A @4,8°E - June 2015
(Check for updated line up: [BB24.biz](http://www.bb24.biz))

Bold program names are TV - thin ones are radio. Green is free service - pink is encrypted

crypted tv	free tv				crypted radio			free radio	
Channel	Frequ.	Pol	SymbolRate	FEC	APID	VPID	TelePID	Origin	Language
DR Ultra	11727	h	27500	3	1802	1801	1806		
TV3 Sport 2	11727	h	27500	3	802	801	0		
TV2 Zulu	11727	h	27500	3	1812	1811	1816		
TV2 Charlie	11727	h	27500	3	1822	1821	1826		
TV3 SPORT 1	11727	h	27500	3	1832	1831	1836		
TV2 Sport	11727	h	27500	3	1842	1841	1846		
TV2 Fri	11727	h	27500	3	1852	1851	1856		
Viasat Golf (swe)	11727	h	27500	3	1862	1861	0		
Viasat Golf (nor)	11727	h	27500	3	1863	1861	0		
Viasat Golf (dan)	11727	h	27500	3	1864	1861	0		
Viasat Golf (eng)	11727	h	27500	3	1865	1861	0		
TV2 NEWS	11727	h	27500	3	1872	1871	1876		
DR Ramasjang	11727	h	27500	3	1882	1881	1806		
DR K	11727	h	27500	3	1892	1891	1806		
SVT2 Nord	11785	v	27500	2	2412	2411	2416		Swedish
SVT2 Västerbotten	11785	v	27500	2	2412	2411	2416		
SVT2 Mitt	11785	v	27500	2	2412	2411	2416		
SVT2 Gävledala	11785	v	27500	2	2412	2411	2416		
SVT2 Värmland	11785	v	27500	2	2412	2411	2416		
SVT2 Tvärs	11785	v	27500	2	2412	2411	2416		
SVT2	11785	v	27500	2	2412	2411	2416		
SVT2 Öst	11785	v	27500	2	2412	2411	2416		
SVT2 Väst	11785	v	27500	2	2412	2411	2416		
SVT2 Småland	11785	v	27500	2	2412	2411	2416		Swedish
SVT2 Syd	11785	v	27500	2	2412	2411	2416		
SVT1 Nord	11785	v	27500	2	2562	2561	2566		
SVT1 Västerbotten	11785	v	27500	2	2562	2561	2566		
SVT1 Mitt	11785	v	27500	2	2562	2561	2566		
SVT1 Gävledala	11785	v	27500	2	2562	2561	2566		
SVT1 Värmland	11785	v	27500	2	2562	2561	2566		
SVT1 Tvärs	11785	v	27500	2	2562	2561	2566		
SVT1	11785	v	27500	2	2562	2561	2566		
SVT1 Öst	11785	v	27500	2	2562	2561	2566		
SVT1 Väst	11785	v	27500	2	2562	2561	2566		
SVT1 Småland	11785	v	27500	2	2562	2561	2566		
SVT1 Syd	11785	v	27500	2	2562	2561	2566		
TV11	11804	h	27500	2	6002	6001	6006		
Ticket	11804	h	27500	2	6022	6021	0		

Viasat Nature East (rus)	11804	h	27500	2	6032	6031	6131		
Viasat Nature East (eng)	11804	h	27500	2	6035	6031	6131		
MTV NO	11804	h	27500	2	6042	6041	6046		
Viasat History (swe)	11804	h	27500	2	6052	6051	6056		
Viasat History (nor)	11804	h	27500	2	6053	6051	6056		
Viasat History (dan)	11804	h	27500	2	6054	6051	6056		
Viasat History (rus)	11804	h	27500	2	6057	6051	6056		
Viasat History (eng)	11804	h	27500	2	6059	6051	6056		
Viasat Sport Baltic (est)	11804	h	27500	2	6062	6061	0		
Viasat Sport Baltic (lav)	11804	h	27500	2	6063	6061	0		
Viasat Sport Baltic (lit)	11804	h	27500	2	6064	6061	0		
Sjuan	11804	h	27500	2	6082	6081	6086		
TV4 Film	11804	h	27500	2	6092	6091	6096		
DR1 (dan)	11823	v	27500	2	7012	7011	7016		
DR1 (SYN)	11823	v	27500	2	7013	7011	7016		
DR2 (dan)	11823	v	27500	2	7022	7021	7026		
DR2 (SYN)	11823	v	27500	2	7023	7021	7026		
CNN	11823	v	27500	2	7042	7041	0	 English	
TV3 Puls	11823	v	27500	2	7062	7061	7067		
MTV DK	11823	v	27500	2	7072	7071	0		
TV1000 Ru Kino	11823	v	27500	2	7082	7081	7086		
1st Baltic Ch. Estonia	11843	h	27500	2	6202	6201	0		
1st Baltic Ch. Latvia (ru	11843	h	27500	2	6212	6211	0		
1st Baltic Ch. Latvia (la	11843	h	27500	2	6213	6211	0		
1st Baltic Ch. Lithuania	11843	h	27500	2	6222	6221	0		
1st Baltic Music channel	11843	h	27500	2	6232	6231	0		
REN-TV LIETUVA	11843	h	27500	2	6242	6241	0		
REN-TV BALTIC	11843	h	27500	2	6252	6251	0		
Mir Baltic	11843	h	27500	2	6262	6261	0		
NTV Mir Lithuania	11843	h	27500	2	6272	6271	0		
Tallinna TV	11843	h	27500	2	6282	6281	0		
LTV7	11843	h	27500	2	6297	6296	0	 Lithuanian	
FEM	11862	v	27500	2	3402	3401	0		
TV1000 Action East (rus)	11862	v	27500	2	3412	3411	3416		
TV1000 Action East (eng)	11862	v	27500	2	3413	3411	3416		
Viasat Fotboll	11862	v	27500	2	3422	3421	0		
Viasat Motor (swe)	11862	v	27500	2	3432	3431	0		
Viasat Motor (nor)	11862	v	27500	2	3433	3431	0		
Viasat Motor (est)	11862	v	27500	2	3434	3431	0		
Viasat Sport Norge	11862	v	27500	2	3442	3441	0		
Viasat Xtra 1 (au1)	11862	v	27500	2	3462	3461	0		
Viasat Xtra 1 (au2)	11862	v	27500	2	3463	3461	0		
Viasat Xtra 2 (au1)	11862	v	27500	2	3472	3471	0		
Viasat Xtra 2 (au2)	11862	v	27500	2	3473	3471	0		
Euronews (eng)	11881	h	27500	2	5002	5001	0	 English	
Euronews (rus)	11881	h	27500	2	5003	5001	0		
NHK World TV	11881	h	27500	2	5012	5011	0	 English	
Kunskapskanalen	11881	h	27500	2	5022	5021	0		

SVTB/SVT24	11881	h	27500	2	5032	5031	5036		
TVNorge	11881	h	27500	2	5042	5041	5046		
TV 2 Bliss	11881	h	27500	2	5052	5051	5056		
TV4 Guld	11881	h	27500	2	5062	5061	0		
Nat Geo Wild	11881	h	27500	2	5082	5081	5087		
TV1000 Premium (lit)	11900	v	27500	2	6802	6801	6806		
TV1000 Premium (lav)	11900	v	27500	2	6803	6801	6806		
TV1000 Premium (est)	11900	v	27500	2	6804	6801	6806		
TV1000 Premium (rus)	11900	v	27500	2	6805	6801	6806		
LRT Televizija	11900	v	27500	2	6812	6811	0		
MTV Hits	11900	v	27500	2	6822	6821	0		
TV5 Latvia	11900	v	27500	2	6842	6841	0		
CTC Baltic	11900	v	27500	2	6852	6851	0		
TV1000 East -- (rus)	11900	v	27500	2	6862	6861	6867		
TV1000 East -- (eng)	11900	v	27500	2	6863	6861	6867		
Nick JR / VH1 (swe)	11900	v	27500	2	6882	6881	0		
Nick JR / VH1 (eng)	11900	v	27500	2	6883	6881	0		
Nick JR / VH1 (rus)	11900	v	27500	2	6884	6881	0		
Nick JR / VH1 (dan)	11900	v	27500	2	6885	6881	0		
Nick JR / VH1 (nor)	11900	v	27500	2	6886	6881	0		
TV8 Lithuania	11900	v	27500	2	6892	6891	0		Lithuanian
Viasat Hockey Finland (fi)	11919	h	27500	2	4402	4401	0		
Viasat Hockey Finland (0r	11919	h	27500	2	4403	4401	0		
CANAL8 Sport	11919	h	27500	2	4412	4411	0		
TV 2 Sportskanalen	11919	h	27500	2	4422	4421	0		
Disney Channel Nor	11919	h	27500	2	4432	4431	4437		
Disney Channel Dan	11919	h	27500	2	4442	4441	4447		
TV 2 Nyhetskanalen	11919	h	27500	2	4452	4451	0		
Nick No/VH1 Classic	11919	h	27500	2	4462	4461	0		
dk4	11919	h	27500	2	4472	4471	0		
Disney XD D/N (dan)	11919	h	27500	2	4482	4481	4487		
Disney XD D/N (nor)	11919	h	27500	2	4483	4481	4487		
Disney XD D/N (eng)	11919	h	27500	2	4484	4481	4487		
CANAL9	11919	h	27500	2	4492	4491	4496		
Kanal 4	11938	v	27500	2	3602	3601	0		
Cartoon Network EE (eng)	11938	v	27500	2	3612	3611	0		
Cartoon Network EE (rus)	11938	v	27500	2	3613	3611	0		
History Channel (rus)	11938	v	27500	2	3622	3621	3626		
History Channel (eng)	11938	v	27500	2	3623	3621	3626		
Ohota Rybalka	11938	v	27500	2	3632	3631	0		
National Geographic (N)	11938	v	27500	2	3642	3641	3646		
Kanal 5	11938	v	27500	2	3652	3651	0		
Comedy Central	11938	v	27500	2	3662	3661	3666		
TV4	11938	v	27500	2	3672	3671	3676		
National Geographic (S) (	11938	v	27500	2	3692	3691	3696		
National Geographic (S) (	11938	v	27500	2	3695	3691	3696		
TV3 Latvia (lav)	11958	h	27500	2	6302	6301	0		
TV3 Latvia (eng)	11958	h	27500	2	6303	6301	0		



3+	11958	h	27500	2	6312	6311	0		
Kanals 2	11958	h	27500	2	6322	6321	0		
TV3 Estonia	11958	h	27500	2	6332	6331	0		
TV6 Latvia (lav)	11958	h	27500	2	6334	6336	0		
TV6 Latvia (eng)	11958	h	27500	2	6337	6336	0		
TV3 Lithuania	11958	h	27500	2	6342	6341	0		
TV6 Lithuania	11958	h	27500	2	6352	6351	0		
TV6 Estonia	11958	h	27500	2	6357	6356	0		
LNT Latvia	11958	h	27500	2	6362	6361	0		
Kidzone (est)	11958	h	27500	2	6372	6371	0		
Kidzone (lav)	11958	h	27500	2	6373	6371	0		
Kidzone (lit)	11958	h	27500	2	6374	6371	0		
Kidzone (rus)	11958	h	27500	2	6375	6371	0		
ETV	11958	h	27500	2	6382	6381	6383		
LTV1	11958	h	27500	2	6392	6391	0		
Nature/Crime/Playboy (swe)	11977	v	27500	2	2112	2111	2117		
Nature/Crime/Playboy (nor)	11977	v	27500	2	2113	2111	2117		
Nature/Crime/Playboy (dan)	11977	v	27500	2	2114	2111	2117		
Nature/Crime/Playboy (fin)	11977	v	27500	2	2115	2111	2117		
Viasat Hockey (swe)	11977	v	27500	2	2142	2141	0		
Viasat Hockey (fin)	11977	v	27500	2	2143	2141	0		
Viasat Hockey (nor)	11977	v	27500	2	2144	2141	0		
MTV SE	11977	v	27500	2	2152	2151	0		
Viasat 4	11977	v	27500	2	2162	2161	2166		
TV6 (N)	11977	v	27500	2	2172	2171	2176		
TV4 Fakta	11977	v	27500	2	2182	2181	0		
Visjon Norge	11996	h	27500	2	4012	4011	0	 Norse	
RTR Planeta	11996	h	27500	2	4032	4031	0		
Kanal 10	11996	h	27500	2	4052	4051	0		
GOD Channel	11996	h	27500	2	4062	4061	0		
Russia Today	11996	h	27500	2	4082	4081	0	 English	
04020105	11996	h	27500	2	0	0	0		
CNBC	11996	h	27500	2	4182	4181	0	 English	
NRK1	12015	v	27500	3	640	512	576		
NRK2	12015	v	27500	3	692	525	576		
NRK Tegnspråk	12015	v	27500	3	688	524	576	 Norse	
NRK1 Østafjells	12015	v	27500	3	640	512	576		
NRK1 Nordnytt	12015	v	27500	3	640	512	576		
NRK1 Nordland	12015	v	27500	3	640	512	576		
NRK1 Midtnytt	12015	v	27500	3	640	512	576		
NRK1 Møre & Romsdal	12015	v	27500	3	640	512	576		
NRK1 Vestlandsrevyen	12015	v	27500	3	640	512	576	 Norse	
NRK1 Rogaland	12015	v	27500	3	640	512	576		
NRK1 Sørlandet	12015	v	27500	3	640	512	576		
NRK1 Østnytt	12015	v	27500	3	640	512	576		
NRK1 Østfold	12015	v	27500	3	640	512	576		
NRK Super / NRK3	12015	v	27500	3	676	521	576		
NRK1 HD	12015	v	27500	3	712	526	577		




Service 17002	12015	v	27500	3	692	525	576		
Service 17003	12015	v	27500	3	676	521	576		
E!	12034	h	27500	2	3102	3101	3106		
VFilm Family (swe)	12034	h	27500	2	3112	3111	3116		
VFilm Family (nor)	12034	h	27500	2	3113	3111	3116		
VFilm Family (dan)	12034	h	27500	2	3114	3111	3116		
VFilm Family (fin)	12034	h	27500	2	3115	3111	3116		
VFilm Comedy (swe)	12034	h	27500	2	3122	3121	3126		
VFilm Comedy (nor)	12034	h	27500	2	3123	3121	3126		
VFilm Comedy (dan)	12034	h	27500	2	3124	3121	3126		
VFilm Comedy (fin)	12034	h	27500	2	3125	3121	3126		
VFilm Classic (swe)	12034	h	27500	2	3132	3131	3136		
VFilm Classic (nor)	12034	h	27500	2	3133	3131	3136		
VFilm Classic (dan)	12034	h	27500	2	3134	3131	3136		
VFilm Classic (fin)	12034	h	27500	2	3135	3131	3136		
VFilm Classic (AC3,eng)	12034	h	27500	2	3137	3131	3136		
Comedy Central	12034	h	27500	2	3142	3141	0		
Nickelodeon (S)	12034	h	27500	2	3162	3161	3166		
National Geographic (D)	12034	h	27500	2	3172	3171	0		
Disney XD (swe)	12034	h	27500	2	3192	3191	3197		
Disney XD (fin)	12034	h	27500	2	3195	3191	3197		
Disney XD (eng)	12034	h	27500	2	3196	3191	3197		
Disney XD (rus)	12034	h	27500	2	3198	3191	3197		
TV3 Sverige	12054	v	27500	2	1102	1101	1106		
Disney Junior (swe)	12054	v	27500	2	1132	1131	1137		
Disney Junior (nor)	12054	v	27500	2	1133	1131	1137		
Disney Junior (dan)	12054	v	27500	2	1134	1131	1137		
Disney Junior (fin)	12054	v	27500	2	1135	1131	1137		
Disney Junior (eng)	12054	v	27500	2	1136	1131	1137		
Disney Junior (rus)	12054	v	27500	2	1138	1131	1137		
Viasat Film (swe)	12054	v	27500	2	1142	1141	1147		
Viasat Film (nor)	12054	v	27500	2	1143	1141	1147		
Viasat Film (dan)	12054	v	27500	2	1144	1141	1147		
Viasat Film (fin)	12054	v	27500	2	1145	1141	1147		
VFilm Action (swe)	12054	v	27500	2	1152	1151	1157		
VFilm Action (nor)	12054	v	27500	2	1153	1151	1157		
VFilm Action (dan)	12054	v	27500	2	1154	1151	1157		
VFilm Action (fin)	12054	v	27500	2	1155	1151	1157		
Cartoon Network (eng)	12054	v	27500	2	1172	1171	1176		
Cartoon Network (swe)	12054	v	27500	2	1173	1171	1176		
Cartoon Network (dan)	12054	v	27500	2	1174	1171	1176		
Cartoon Network (nor)	12054	v	27500	2	1175	1171	1176		
VFilm Drama (dan)	12054	v	27500	2	1134	1131	1137		
VFilm Drama (nor)	12054	v	27500	2	1133	1131	1137		
VFilm Drama (fin)	12054	v	27500	2	1135	1131	1137		
VFilm Drama (swe)	12054	v	27500	2	1132	1131	1137		
VFilm Drama (eng)	12054	v	27500	2	1136	1131	1137		
VFilm Drama (rus)	12054	v	27500	2	1138	1131	1137		



A-ONE	12073	h	27500	2	6547	6546	0		
TV10	12092	v	27500	2	3802	3801	0		
TV 2 Norge	12092	v	27500	2	3812	3811	3816		
TV2 Zebra	12092	v	27500	2	3822	3821	3816		
Viasat Fotball	12092	v	27500	2	3832	3831	0		
TV12	12092	v	27500	2	3842	3841	0		
Boomerang (fin)	12092	v	27500	2	3852	3851	0		
Boomerang (swe)	12092	v	27500	2	3853	3851	0		
Boomerang (dan)	12092	v	27500	2	3854	3851	0		
Boomerang (nor)	12092	v	27500	2	3855	3851	0		
TV4 Fakta XL	12092	v	27500	2	3862	3861	3867		
Kanal 4	12092	v	27500	2	3872	3871	0		
Kanal 5	12092	v	27500	2	3882	3881	3886		
TV4 Komedi	12092	v	27500	2	3892	3891	0		
CORAL TV1 - PVU4	12149	h	27500	2	400	410	0		
CORAL TV2 - PVU6	12149	h	27500	2	600	610	0		
CORAL TV1 SIS DATA - PVU4	12149	h	27500	2	400	410	0		
Ladbrokes 1-PVU 3	12149	h	27500	2	300	310	0		
Ladbrokes 1-PVU 3 (1)	12149	h	27500	2	301	310	0		
SIS 2 GFX - PVU7	12149	h	27500	2	700	710	0		
LADBROKES XTRA - PVU5	12149	h	27500	2	500	510	0		
SPANISH - PVU2	12149	h	27500	2	200	210	0		
SIS MK Test PVU 8	12149	h	27500	2	800	810	0		
Alphameric Studio and SIS	12149	h	27500	2	100	110	0		
SIS+ (PVU1)	12149	h	27500	2	100	110	0		
Animal Planet Europe	12226	h	25540	4	1120	1160	0		
Animal Planet Europe (1)	12226	h	25540	4	1122	1160	0		
Animal Planet Europe (2)	12226	h	25540	4	1123	1160	0		
Animal Planet Europe	12226	h	25540	4	1122	1160	0		
Animal Planet Europe (1)	12226	h	25540	4	1120	1160	0		
Animal Planet Europe	12226	h	25540	4	1123	1160	0		
Animal Planet Europe (1)	12226	h	25540	4	1120	1160	0		
Animal Planet Europe	12226	h	25540	4	1121	1160	0		
Animal Planet Europe (1)	12226	h	25540	4	1120	1160	0		
Animal Planet Europe - Tu	12226	h	25540	4	1124	1160	0		
Animal Planet Europe - Tu	12226	h	25540	4	1120	1160	0		
Animal Planet Europe (eng)	12226	h	25540	4	1120	1160	0		
Animal Planet Europe (hun)	12226	h	25540	4	1123	1160	0		
Animal Planet Europe (cze)	12226	h	25540	4	1121	1160	0		
Animal Planet Europe DVB	12226	h	25540	4	1120	1160	118		
Discovery Central Europe	12226	h	25540	4	1220	1260	0		
Discovery Central Europe	12226	h	25540	4	1222	1260	0		
Discovery Central Europe	12226	h	25540	4	1223	1260	0		
Discovery Central Europe	12226	h	25540	4	1221	1260	0		
Discovery Central Europe	12226	h	25540	4	1223	1260	0		
Discovery Central Europe	12226	h	25540	4	1222	1260	0		
Discovery Central Europe	12226	h	25540	4	1221	1260	0		

Discovery Central Europe	12226	h	25540	4	1220	1260	0		
Discovery Central Europe	12226	h	25540	4	1223	1260	0		
Discovery Central Europe	12226	h	25540	4	1221	1260	0		
ID Europe (eng)	12226	h	25540	4	1320	1360	0		
ID Europe (pol)	12226	h	25540	4	1321	1360	0		
ID Europe (hun)	12226	h	25540	4	1322	1360	0		
ID Europe (rus)	12226	h	25540	4	1323	1360	0		
ID Europe (pol)	12226	h	25540	4	1321	1360	0		
ID Europe (eng)	12226	h	25540	4	1320	1360	0		
ID Europe (hun)	12226	h	25540	4	1322	1360	0		
ID Europe (eng)	12226	h	25540	4	1320	1360	0		
ID Europe (rus)	12226	h	25540	4	1323	1360	0		
ID Europe (eng)	12226	h	25540	4	1320	1360	0		
ID Europe Nordic Subs (ru	12226	h	25540	4	1323	1360	1369		
ID Europe Nordic Subs (en	12226	h	25540	4	1320	1360	1369		
ID Europe Turkish	12226	h	25540	4	1324	1360	0		
ID Europe Turkish (1)	12226	h	25540	4	1320	1360	0		
ID Europe Nordic Subs DVB	12226	h	25540	4	1323	1360	1369		
ID Europe Nordic Subs DVB	12226	h	25540	4	1320	1360	1369		
ID Europe (eng)	12226	h	25540	4	1320	1360	1369		
ID Europe (ara)	12226	h	25540	4	1325	1360	1369		
ID Xtra Europe (eng)	12226	h	25540	4	1420	1460	1469		
ID Xtra Europe (hun)	12226	h	25540	4	1421	1460	1469		
ID Xtra Europe (rus)	12226	h	25540	4	1422	1460	1469		
ID Xtra Europe (tur)	12226	h	25540	4	1423	1460	1469		
ID Xtra Europe (eng)	12226	h	25540	4	1420	1460	1469		
ID Xtra Europe (bul)	12226	h	25540	4	1424	1460	1469		
ID Xtra Europe (cze)	12226	h	25540	4	1425	1460	1469		
ID Xtra Europe (slo)	12226	h	25540	4	1426	1460	1469		
ID Xtra Europe - Hungaria	12226	h	25540	4	1421	1460	1469		
ID Xtra Europe - Russian	12226	h	25540	4	1422	1460	1469		
ID Xtra Europe - Russian	12226	h	25540	4	1420	1460	1469		
ID Xtra Europe - Turkish	12226	h	25540	4	1423	1460	1469		
Discovery Middle East	12226	h	25540	4	1520	1560	0		
Discovery Middle East (1)	12226	h	25540	4	1521	1560	0		
Discovery Middle East	12226	h	25540	4	1521	1560	0		
Discovery Middle East (1)	12226	h	25540	4	1520	1560	0		
Discovery Middle East	12226	h	25540	4	1520	1560	0		
Discovery Poland	12226	h	25540	4	1722	1760	1770		
Discovery Poland (1)	12226	h	25540	4	1720	1760	1770		
Discovery Poland (2)	12226	h	25540	4	1723	1760	1770		
Discovery Poland	12226	h	25540	4	1720	1760	1770		
Discovery Poland (1)	12226	h	25540	4	1723	1760	1770		
Science Europe	12226	h	25540	4	0	0	0		
Science Europe	12226	h	25540	4	1921	1960	0		
Science Europe (1)	12226	h	25540	4	1924	1960	0		

Science Europe (2)	12226	h	25540	4	1920	1960	0		
Science Europe	12226	h	25540	4	1923	1960	0		
Science Europe (1)	12226	h	25540	4	1920	1960	0		
Science Europe DVB Test	12226	h	25540	4	1920	1960	918		
Science Europe DVB Test (	12226	h	25540	4	1921	1960	918		
Science Europe DVB Test (	12226	h	25540	4	1923	1960	918		
Science Europe Turkish	12226	h	25540	4	1922	1960	0		
Science Europe Turkish (1	12226	h	25540	4	1920	1960	0		
Science Europe - Czech	12226	h	25540	4	1924	1960	0		
Science Europe - Czech (1	12226	h	25540	4	1920	1960	0		
Discovery World	12226	h	25540	4	1020	1060	0		
Discovery World (1)	12226	h	25540	4	1021	1060	0		
Discovery World (2)	12226	h	25540	4	1023	1060	0		
Discovery World	12226	h	25540	4	1021	1060	0		
Discovery World (1)	12226	h	25540	4	1024	1060	0		
Discovery World (2)	12226	h	25540	4	1020	1060	0		
Discovery World	12226	h	25540	4	1023	1060	0		
Discovery World (1)	12226	h	25540	4	1020	1060	0		
Discovery World DVB Test	12226	h	25540	4	1020	1060	1018		
Discovery World DVB Test	12226	h	25540	4	1021	1060	1018		
Discovery World DVB Test	12226	h	25540	4	1023	1060	1018		
Discovery World Turkish	12226	h	25540	4	1022	1060	0		
Discovery World Turkish (	12226	h	25540	4	1020	1060	0		
Discovery World - Czech	12226	h	25540	4	1024	1060	0		
Discovery World - Czech (	12226	h	25540	4	1020	1060	0		
Animal Planet Poland	12226	h	25540	4	541	501	0		
Animal Planet Poland (1)	12226	h	25540	4	540	501	0		
Animal Planet Poland (2)	12226	h	25540	4	542	501	0		
Animal Planet Poland	12226	h	25540	4	540	501	0		
Animal Planet Poland (1)	12226	h	25540	4	542	501	0		
Animal Planet Poland	12226	h	25540	4	540	501	700		
Animal Planet Poland (1)	12226	h	25540	4	541	501	700		
TV1 Lithuania	12245	v	27500	2	2902	2901	0		
LNK	12245	v	27500	2	2912	2911	0		
Lietuvos Rytas TV	12245	v	27500	2	2922	2921	0		
BTV	12245	v	27500	2	2932	2931	0		
Kanal 2	12245	v	27500	2	2952	2951	0		
Kanal 11	12245	v	27500	2	2962	2961	0		
ETV2	12245	v	27500	2	2972	2971	0		
core S/	12245	v	27500	2	0	0	0		
RABINOVICH tv	12284	v	27500	2	6912	6911	0		
Pravo-TV	12284	v	27500	2	6927	6926	0		
LALE	12284	v	27500	2	6972	6971	0		
Bootstrap Master	12303	h	25546	4	0	3760	0		
AHPL (pol)	12303	h	25546	4	1720	1760	1730		
AHPL (eng)	12303	h	25546	4	1721	1760	1730		
CN/TCM RSEE (rus)	12303	h	25546	4	2003	2001	2002		
CN/TCM RSEE (bul)	12303	h	25546	4	2004	2001	2002		

CN/TCM RSEE (eng)	12303	h	25546	4	2005	2001	2002		
CN/TCM RSEE (eng)	12303	h	25546	4	2006	2001	2002		
CN TCM Russia	12303	h	25546	4	2003	2001	2002		
CN TCM Russia (1)	12303	h	25546	4	2005	2001	2002		
CN/TCM English	12303	h	25546	4	2005	2001	2002		
CN/TCM English (1)	12303	h	25546	4	2003	2001	2002		
Diva Romania	12303	h	25546	4	3120	3160	0		
Diva Romania (1)	12303	h	25546	4	3121	3160	0		
Diva Romania (2)	12303	h	25546	4	3122	3160	0		
Universal HUNGARY	12303	h	25546	4	3204	3260	0		
Universal HUNGARY (1)	12303	h	25546	4	3220	3260	0		
Universal HUNGARY (2)	12303	h	25546	4	3222	3260	0		
Diva Romania	12303	h	25546	4	3121	3160	0		
Diva Romania (1)	12303	h	25546	4	3122	3160	0		
Universal CROATIA-SLOVENI	12303	h	25546	4	3220	3260	0		
Universal HUNGARY	12303	h	25546	4	3222	3260	0		
Universal HUNGARY	12303	h	25546	4	3220	3260	0		
Universal HUNGARY (1)	12303	h	25546	4	3222	3260	0		
Universal CZECH-SLOVAK	12303	h	25546	4	3220	3260	0		
Universal CZECH-SLOVAK (1)	12303	h	25546	4	3222	3260	0		
Universal CZECH-SLOVAK (2)	12303	h	25546	4	3204	3260	0		
True Movies 1	12303	h	25546	4	3720	3760	0		
Belsat TV	12380	h	27500	2	202	201	0	 Russian	
TVCI new	12380	h	27500	2	222	221	0		
LTV World	12380	h	27500	2	242	241	0	 Lithuanian	
Dozhd TV	12380	h	27500	2	272	271	0		
Espresso TV	12380	h	27500	2	282	281	0		
VBC TEMP	12418	h	27500	2	710	700	0		
SIS VISION AUDIO & VBI -	12418	h	27500	2	110	100	0		
LADBROKES SIS LES2 - CISC	12418	h	27500	2	112	800	0		
NEW BOYLES SPORTS - CISCO	12418	h	27500	2	212	100	0		
LADBROKES SIS DATA	12418	h	27500	2	112	800	0		
BETFRED TOTE 2 - CISCO 1	12418	h	27500	2	310	100	0		
WILLIAM HILL IP CLEAR - C	12418	h	27500	2	610	600	0		
WILLIAM HILL SIS DATA - C	12418	h	27500	2	610	600	0		
SIS EUROPE - CISCO 2	12418	h	27500	2	210	200	0		
SIS EUROPE (NO DATA) - CI	12418	h	27500	2	210	200	0		
TEST CHANNEL - CISCO 1	12418	h	27500	2	110	100	0		
ALPHAMERIC UK - CISCO 1	12418	h	27500	2	110	100	0		
ALPHAMERIC IRISH -	12418	h	27500	2	110	100	0		

CISCO									
BOYLES SPORTS - CISCO 1	12418	h	27500	2	212	100	0		
BETFRED TOG - CISCO 3	12418	h	27500	2	310	300	0		
BETFRED TV (TTV) - CISCO	12418	h	27500	2	410	400	0		
BETFRED VIRTUAL - CISCO 5	12418	h	27500	2	510	500	0		
BETFRED SIS - CISCO 1	12418	h	27500	2	110	100	0		
ALT VC 168	12418	h	27500	2	0	800	0		
SIS UK - CISCO 1	12418	h	27500	2	110	100	0		
SIS UK (DATA ONLY)	12418	h	27500	2	0	0	0		
Test - CISCO 1	12418	h	27500	2	112	100	0		
TV 2/Nord	12476	v	27500	2	4602	4601	4606		
TV 2/Midt-Vest	12476	v	27500	2	4612	4611	4616		
TV 2/Østjylland	12476	v	27500	2	4622	4621	4626		
TV 2/Syd	12476	v	27500	2	4632	4631	4636		
TV 2/Fyn	12476	v	27500	2	4642	4641	4646		
TV 2/Øst	12476	v	27500	2	4652	4651	4656		
TV 2/Lorry	12476	v	27500	2	4662	4661	4666		
TV 2/Bornholm	12476	v	27500	2	4672	4671	4676		
TET	11766	h	27500	2	6112	6111	0		
2+2	11766	h	27500	2	6122	6121	0		
1+1 International	11766	h	27500	2	6127	6126	0		
GLAS (ukr)	11766	h	27500	2	6132	6131	0		
GLAS (rus)	11766	h	27500	2	6133	6131	0		
JN1 - Jewish news one	11766	h	27500	2	6142	6141	0		
JN1 - Jewish news one (1)	11766	h	27500	2	6143	6141	0		
MALYATKO TV	11766	h	27500	2	6152	6151	0		
RADA	11766	h	27500	2	6172	6171	0		
NTA	11766	h	27500	2	6182	6181	0		
TV 2 Filmkanalen	11804	h	27500	2	6012	6011	6016		
TV8	11823	v	27500	2	7032	7031	0		
Nickelodeon DK / MTV Hits	11862	v	27500	2	3452	3451	3456		
Viasat Sport Sverige (swe)	11977	v	27500	2	2102	2101	0		
Viasat Sport Sverige (fin)	11977	v	27500	2	2103	2101	0		
BBC World	11977	v	27500	2	2122	2121	2126	 English	
TV3+	11977	v	27500	2	2132	2131	2136		
Disney Channel (swe)	12034	h	27500	2	3182	3181	3187	 Swedish	
Disney Channel (fin)	12034	h	27500	2	3185	3181	3187		
Disney Channel (eng)	12034	h	27500	2	3186	3181	3187		
Disney Channel (rus)	12034	h	27500	2	3189	3181	3187		
TV3 Norge	12054	v	27500	2	1112	1111	1116		
TV3 Denmark	12054	v	27500	2	1122	1121	1126		
TV6	12054	v	27500	2	1162	1161	1166		
Viasat Explore (swe)	11823	v	27500	2	7052	7051	7057		
Viasat Explore (nor)	11823	v	27500	2	7053	7051	7057		
Viasat Explore (dan)	11823	v	27500	2	7054	7051	7057		

Viasat Explore (eng)	11823	v	27500	2	7220	7051	7057		
Viasat Explore (rus)	11823	v	27500	2	7058	7051	7057		
TVN Chile Nordic	11996	h	27500	2	4002	4001	0		
ATG EU BSS	12380	h	27500	2	4131	4130	4133		
ATG EU BSS (1)	12380	h	27500	2	4132	4130	4133		
ATG EU BSS (2)	12380	h	27500	2	4135	4130	4133		
K75 International (eng)	12380	h	27500	2	4142	4141	266		
K75 International (deu)	12380	h	27500	2	4143	4141	266		
K75 International (pol)	12380	h	27500	2	4144	4141	266		
NEWS ONE	12073	h	27500	2	6512	6511	0		
RU MUSIC	12073	h	27500	2	6532	6531	0		
Dobro TV	12073	h	27500	2	6562	6561	0		
Business	12073	h	27500	2	6567	6566	0		
Telekanal 100	12073	h	27500	2	6572	6571	0		
SHOPping TV	12073	h	27500	2	6592	6591	0		
Hustler TV	12111	h	27500	3	332	331	0		
Blue Hustler	12111	h	27500	3	352	351	0		
Global-2	12111	h	27500	3	1019	1018	0		
Black Belt	12111	h	27500	3	1402	1401	0		
Coral Live Betting	12111	h	27500	3	2502	2501	0		
BLC	12111	h	27500	3	2602	2601	0		
Travel (eng)	12111	h	27500	3	2002	2001	2006		
Travel (pol)	12111	h	27500	3	2003	2001	2006		
Travel (cze)	12111	h	27500	3	2004	2001	2006		
Travel (rus)	12111	h	27500	3	2005	2001	2006		
Travel (hun)	12111	h	27500	3	2013	2001	2006		
Travel (bul)	12111	h	27500	3	2016	2001	2006		
Motors TV (fre)	12111	h	27500	3	2402	2401	2421		
Motors TV (eng)	12111	h	27500	3	2403	2401	2421		
Motors TV (ger)	12111	h	27500	3	2404	2401	2421		
Motors TV (epo)	12111	h	27500	3	2405	2401	2421		
Motors TV (spa)	12111	h	27500	3	2406	2401	2421		
Motors TV (gre)	12111	h	27500	3	2407	2401	2421		
Motors TV (dut)	12111	h	27500	3	2408	2401	2421		
GBI Racing (eng)	12111	h	27500	3	2102	2101	2111		
GBI Racing (ud1)	12111	h	27500	3	2103	2101	2111		
NADIYA	12284	v	27500	2	6917	6916	0		
SONCE (UA)	12284	v	27500	2	6922	6921	0		
Channel 5 (Ukraine)	12284	v	27500	2	6932	6931	0		
KRT	12284	v	27500	2	6942	6941	0		
Pro BCE TEST (rus)	12284	v	27500	2	6947	6946	0		
Pro BCE TEST (deu)	12284	v	27500	2	6948	6946	0		
ATR	12284	v	27500	2	6952	6951	0		
Pro BCE (ukr)	12284	v	27500	2	6962	6961	0		
Pro BCE (urd)	12284	v	27500	2	6963	6961	0		
MAXXI TV	12284	v	27500	2	6982	6981	0		
INTER +	12284	v	27500	2	6992	6991	6996		

INTER + (1)	12284	v	27500	2	6993	6991	6996		
NTV	12380	h	27500	2	51	50	0		
NTV (1)	12380	h	27500	2	53	50	0		
<i>UR1</i>	11766	h	27500	2	6101	0	0		
<i>UR2</i>	11766	h	27500	2	6103	0	0		
<i>UR3</i>	11766	h	27500	2	6105	0	0		
<i>RUI</i>	11766	h	27500	2	6107	0	0		
<i>RADIO ERA</i>	11766	h	27500	2	6187	0	0		
<i>Love Radio</i>	11766	h	27500	2	6197	0	0		
<i>DR P1</i>	11823	v	27500	2	7211	0	0		
<i>DR P3</i>	11823	v	27500	2	7213	0	0		
<i>DR Klassisk</i>	11823	v	27500	2	7215	0	0		
<i>Golden Oldies</i>	11938	v	27500	2	3717	0	0		
<i>Jazz</i>	11938	v	27500	2	3719	0	0		
<i>Classic</i>	11938	v	27500	2	3723	0	0		
<i>Disco</i>	11938	v	27500	2	3725	0	0		
<i>Soul R&b</i>	11938	v	27500	2	3729	0	0		
<i>Super 80's</i>	11938	v	27500	2	3733	0	0		
<i>Radio 101</i>	11843	h	27500	2	0	0	0		
<i>Star FM LV</i>	11958	h	27500	2	6346	0	0		
<i>NRK Alltid Nyheter</i>	12015	v	27500	3	707	0	0		
<i>NRK P1</i>	12015	v	27500	3	700	0	0		
<i>NRK P2</i>	12015	v	27500	3	701	0	0		
<i>NRK P3</i>	12015	v	27500	3	702	0	0		
<i>NRK Klassisk</i>	12015	v	27500	3	703	0	0		
<i>NRK Sami Radio</i>	12015	v	27500	3	704	0	0		
<i>NRK mP3</i>	12015	v	27500	3	706	0	0		
<i>NRK P13</i>	12015	v	27500	3	708	0	0		
<i>NRK Været til sjøs</i>	12015	v	27500	3	709	0	0		
<i>NRK Super</i>	12015	v	27500	3	710	0	0		
<i>NRK P1+</i>	12015	v	27500	3	711	0	0		
<i>NRK Jazz</i>	12015	v	27500	3	714	0	0		
<i>NRK Sport</i>	12015	v	27500	3	715	0	0		
<i>NRK Folkemusikk</i>	12015	v	27500	3	716	0	0		
<i>1079</i>	12073	h	27500	2	6508	0	0		
<i>VBC - PVU3</i>	12149	h	27500	2	300	0	0		
<i>ALT VC 66</i>	12149	h	27500	2	300	0	0		
<i>ALT VC 66 (1)</i>	12149	h	27500	2	301	0	0		
<i>ALT VC 92</i>	12149	h	27500	2	200	0	0		
<i>ALT VC 120</i>	12149	h	27500	2	100	0	0		
<i>ALT VC 400</i>	12149	h	27500	2	100	0	0		
<i>TEST-M</i>	12284	v	27500	2	6953	0	0		
<i>Software Update</i>	12303	h	25546	4	3720	0	0		
<i>Premier Radio 96k</i>	12303	h	25546	4	1323	0	0		
<i>European Radio for Belarus</i>	12380	h	27500	2	231	0	0		
<i>ALT VC 11</i>	12418	h	27500	2	110	0	0		
<i>ALT VC 39</i>	12418	h	27500	2	112	0	0		
<i>ALT VC 40</i>	12418	h	27500	2	310	0	0		

ALT VC 49	12418	h	27500	2	310	0	0		
ALT VC 147	12418	h	27500	2	212	0	0		
ALT VC 90 AND 91	12418	h	27500	2	210	0	0		
ALT VC 122	12418	h	27500	2	110	0	0		
ALT VC 123	12418	h	27500	2	110	0	0		
ALT VC 145	12418	h	27500	2	212	0	0		
ALT VC 160	12418	h	27500	2	310	0	0		
SIS UK (AUDIO ONLY)	12418	h	27500	2	110	0	0		
ALT VC 302	12418	h	27500	2	110	0	0		
ALT VC 433	12418	h	27500	2	112	0	0		
Bandit	12476	v	27500	2	4691	0	0		
Rix FM	12476	v	27500	2	4693	0	0		
P4 Lyden av Norge	12476	v	27500	2	4695	0	0		
Lugna Favoriter	12476	v	27500	2	4697	0	0		
Emmanuel	12073	h	27500	2	6501	0	0		
Absolute Radio	12111	h	27500	3	1215	0	0		
Paddy Power	12111	h	27500	3	4113	0	0		
Paddy Power (1)	12111	h	27500	3	4116	0	0		
IRN	12111	h	27500	3	4369	0	0		
IRN (1)	12111	h	27500	3	4370	0	0		
IRN (2)	12111	h	27500	3	4371	0	0		
IRN (3)	12111	h	27500	3	4372	0	0		