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FlySat

Astra 4A / SES-5 @ 4.8° East

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Txp No Source Date	Freq Pol Mode	SR-FEC	Provider Name Channel Name	web FTA Live	V.PID	A.PID Language	SID Encryption ONID-TID	FootPrints EIRP(dBW)	Comments
H5 DX Süvi 02.10.2018	3657 L DVB-S2/QPSK MPEG-4	3500 2/3	Quest TV feed					SES-5 Hemi	
H5 Waleed Gammam Eduard 29.11.2019	3663 L DVB-S2/QPSK MPEG-4	5300 1/2	AIT Partners	W F	512	1062 Eng	1	SES-5 Hemi	new
			-R- Ray Power FM	W		1065 Eng	2		
			-R- Ray Power Abuja	W		1063 Eng	3		
H5 Waleed Gammam 03.12.2019	3667 L DVB-S2/QPSK MPEG-4	2000 3/4	AIT Lagos	W F	512	4112 Eng	1	SES-5 Hemi	new
			-R- Ray Power 106.5 FM	W		4114 Eng	2		
H14 Eduard 03.12.2019	3684 L DVB-S2/QPSK MPEG-4	3454 3/5	Dove TV HD	W F	513	514 Eng	1 MPEG-4/HD 1-1	SES-5 Hemi	back on HD now
H14 Atomantiii Eduard 17.12.2018	3688 L DVB-S2/8PSK	2015 3/4	DCLM feed					SES-5 Hemi	
H14 DX Süvi 21.11.2019	3691 L DVB-S2/QPSK MPEG-4							SES-5 Hemi	Liberation TV left
H14 Onacila 02.07.2018	3692 L DVB-S2/QPSK MPEG-4	1574 4/5	Plus TV Africa HD	W F	512	4112 Eng	1 MPEG-4/HD 8192-4096	SES-5 Hemi	
H14 Marval450 25.07.2016	3693 L DVB-S2/QPSK MPEG-4	1682 3/5	MFM TV (Mountain of Fire and Miracles Ministries)	W F	33	34 Eng	1	SES-5 Hemi	
H14 Marval450 Onacila 25.07.2016	3697 L DVB-S2/QPSK MPEG-4	1514 3/5	WAP TV	W F	100	110 Eng	1 1-1	SES-5 Hemi	
H14 F.Kocsis 17.11.2018	3701 L DVB-S2/8PSK MPEG-4	5000 5/6	TVC News	W			8192-4096	SES-5 Hemi	
			TVC News Nigeria	W F	613	5112 Eng	1		
			TVC Entertainment	W F	713	6112 Eng	2		
H14 DX Süvi 01.11.2019	3705 L DVB-S2/QPSK MPEG-4	1210 5/6	Liberty TV	W F	101	256 Eng	1 65535-1	SES-5 Hemi	new PIDs
H14 Satellites Community 09.07.2019	3707 L DVB-S2/QPSK MPEG-2	1210 5/6	Hip TV	W F	256	512 Eng	1 8196-4096	SES-5 Hemi	
H14 DX Süvi	3711 L DVB-S2/QPSK							SES-5 Hemi	Star TV

21.11.2019	MPEG-2								Hemi	tert
H14 DX Süvi Onacila 03.04.2018	3714 L DVB-S2/QPSK MPEG-2	1725 2/3	TVGE Internacional	W F	711	731 Eng	1024 0-8		SES-5 Hemi	
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H4 DX Süvi 28.10.2019	3800 L DVB-S2/8PSK MPEG-4	27500 2/3	AFN (American Forces Network)	W			PowerVu Verimatrix 18-101	SES-5 Hemi		
			AFN Prime Atlantic HD	W	1265	1225 Eng	102 MPEG-4/HD			
			AFN News HD	W	1565	1525 Eng	103 MPEG-4/HD			
			AFN Sports HD	W	1165	1125 Eng	104 MPEG-4/HD			
			AFN Prime Pacific HD	W	1465	1425 Eng	105 MPEG-4/HD			
			AFN Spectrum HD	W	1365	1325 Eng	106 MPEG-4/HD			
			AFN Sports 2 HD	W	1665	1625 Eng	107 MPEG-4/HD			
			AFN Pulse HD (timesharing)	W	1965	1925 Eng	108 MPEG-4/HD			
			AFN Family HD (timesharing)	W	1965	1925 Eng	108 MPEG-4/HD			
			AFN Movie HD	W	1065	1025 Eng	109 MPEG-4/HD			
			test card		1760	1720 Eng	401			
			AFN test card		1860	1820 Eng	402			
			-R- AFN The Eagle Atlantic	W		1737 Eng	120			
			-R- AFN The Voice	W		1337 Eng	121			
			-R- AFN PowerTalk	W		1730 Eng	122			
			-R- AFN Clutch Sports Radio	W		1127 Eng	123			
			-R- AFN Fans	W		1135 Eng	124			
			-R- Hot AC/Today's Best Hits	W		1727 Eng	125			
			-R- AFN Legacy	W		1427 Eng	126			
			-R- AFN's Joe Radio	W		1537 Eng	127			
			-R- Gravity	W		1327 Eng	128			
			-R- Today's Best Country	W		1535 Eng	129			
			-R- NPR	W		1237 Eng	130			
			-R- AFN Seasonal	W		1726 Eng	131			
			-R- The Contingency Channel	W		1402 Eng	132			
			-R- AFN Freedom Radio	W		1527 Eng	133			
			-R- AFN The Eagle Aviano	W		1927 Eng	135			
			-R- AFN The Eagle Bavaria	W		1830 Eng	136			
			-R- AFN The Eagle Benelux	W		1235 Eng	137			
			-R- AFN The Eagle Incirlik	W		1627 Eng	138			
			-R- AFN The Eagle Kaiserslautern	W		1832 Eng	139			
			-R- AFN The Eagle Naples	W		1437 Eng	140			
			-R- AFN The Eagle Rota	W		1435 Eng	141			
-R- AFN The Eagle Souda Bay	W		1227 Eng	142						
-R- AFN The Eagle Spangdahlem	W		1027 Eng	143						
-R- AFN The Eagle Stuttgart	W		1937 Eng	144						
-R- AFN The Eagle Vicenza	W		1032 Eng	145						
-R- AFN The Eagle Wiesbaden	W		1930 Eng	146						
-R- Sembach Afternoon Radio			1940 Eng	148						
H5 DX Süvi 21.08.2018	3843 R DVB-S2/QPSK MPEG-4	1134 5/6	ECWA TV	W F	255	256 Eng	1	SES-5 Hemi		
H5 DX Süvi 21.08.2018	3846 R DVB-S2/QPSK MPEG-4	2324 2/3	SES Demo	W	255	256 Eng	1	SES-5 Hemi		
H5 DX Süvi 01.11.2019	3850 R DVB-S2/QPSK MPEG-4	2400 2/3	Times TV Malawi	W F	1002	1003 Eng	101	SES-5 Hemi	new SR/FEC	
H5 K.Szabolcs 27.12.2018	3853 R DVB-S2/QPSK MPEG-4	1130 2/3	Western TV	F	308	256 Eng	1	SES-5 Hemi		
H5 DX Süvi 10.01.2018	3855 R DVB-S2/QPSK MPEG-4	1290 2/3	Label TV	F	308	128 Fre	1	SES-5 Hemi		
H5 Onacila 17.07.2015	3857 R DVB-S2/QPSK MPEG-2	1520 3/5	Galaxy TV Lagos	W F	512	4112 Eng	1	SES-5 Hemi		
H5 DX Süvi 13.02.2018	3858 R DVB-S2/QPSK MPEG-2	1055 5/6	Rave TV	W F	512	257 Eng	101	SES-5 Hemi		
H5 DX Süvi 09.02.2018	3860 R DVB-S2/QPSK MPEG-4	1300 5/6	Core TV News	W F	4113	4352 Eng	1	SES-5 Hemi		
H5 DX Süvi 21.11.2019	3861 R DVB-S2/QPSK MPEG-4	1000 3/4	Quest TV Nigeria	W F	256	512 Eng	257	SES-5 Hemi		
H5 Satellites Community 10.07.2018	3863 R DVB-S2/QPSK MPEG-4	2080 5/6	CMTV Network	F		256 Eng		SES-5 Hemi		

13.07.2019											
H5 DX Süvi 02.10.2018	3877 R DVB-S2/QPSK MPEG-4	1134 2/3	CRBC TV	F	512	4112 Eng	1	SES-5 Hemi			
H5 DX Süvi 21.11.2019	3892 R DVB-S2/QPSK MPEG-4							SES-5 Hemi	package left		
H8 Feci01 21.05.2017	3928 R DVB-S2/32APSK	30800 3/4	Data					SES-5 Hemi			
H10 Marval450 07.11.2015	3990 L DVB-S2 ACM	47000 3/4	Data					SES-5 Hemi			
H9 DX Süvi 18.11.2019	3991 R DVB-S2/QPSK MPEG-4	2963 3/4	AIT National	W F	4194	4195 Eng	1 ?-176	SES-5 Hemi		new SR	
H9 Waleed Gammam 14.05.2017	3996 R DVB-S2/QPSK MPEG-4	3574 1/2	AIT Partners	W F	512	1062 Eng	1	SES-5 Hemi			
				-R- Ray Power 106.5 FM	W		1065 Eng				2
H9 DX Süvi 18.09.2019	3999 R DVB-S2/QPSK MPEG-4	1407 5/6	AIT Abuja	W F	512	1062 Eng	1	SES-5 Hemi			
				-R- Ray Power 106.5 FM	W		4114 Eng				2
H9 Satesco 22.10.2019	4001 R DVB-S2/QPSK MPEG-4	1851 3/4	AIT Lagos	W F	512	4112 Eng	1	SES-5 Hemi			
				-R- Ray Power 106.5 FM	W		4114 Eng				2
H9 DX Süvi Onacila 08.02.2018	4004 R DVB-S2/QPSK MPEG-2	1700 3/4	AIT International	W F	4194	4195 Eng	1 177-176	SES-5 Hemi			
H12 Satesco 13.04.2017	4049 L DVB-S2/8PSK ACM	47000 5/6	Data					SES-5 Hemi			
H11 Atomantiii 17.12.2018	4059 R DVB-S2/8PSK ACM	2500 3/4	Data					SES-5 C-band			
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3 Hendrik 10.07.2019	11265 H DVB-S2/8PSK MPEG-4	30000 3/4	Viasat Viasat History HD - TV 6 Sweden HD - Viasat Explore HD Viasat 4 Norge HD - Viasat Nature HD TV 3 HD Denmark - MTV Nordic Nick Jr Sverige / VH1 Europe Nicktoons Scandinavia - Xee Nickelodeon DK / MTV Hits Nickelodeon Norge / VH1 Classic Paramount Network Sverige	W			VideoGuard 86-34	SES-5 Nordic			
4 Hendrik 11.03.2019	11265 V DVB-S2/8PSK MPEG-4	30000 3/4	Viasat BBC World News National Geographic Norge - DK 4 Disney Channel Norge - Fox Sverige Disney Channel Sverige - Kanal 4 Denmark Disney XD Scandinavia - Canal 9 Denmark Nickelodeon Sverige - Eurosport 2 Denmark Disney Junior Scandinavia - TV6 Norge Disney Channel Danmark - Kanal 5 Denmark TV 2 Charlie - TV 2 Fri - TV 2 Livsstil TV 2 News - TV 2 Zulu - VFilm Family National Geographic Denmark National Geographic Sweden & Finland	W			VideoGuard 86-33	SES-5 Nordic			
5 Hendrik 02.11.2017	11305 H DVB-S2/8PSK	30000 3/4	Viasat Viasat Sport HD Sweden - Viasat Hockey HD Viasport 1 HD - TV2 Sport HD - DR 1 HD TV3 Sport HD - eSports TV HD Viasat Sport Premium HD - Eurosport 1 Denmark Discovery Channel Norway History Channel Sweden	W			VideoGuard 86-35	SES-5 Nordic			
6 Hendrik 04.04.2017	11305 V DVB-S2/8PSK	30000 3/4	Viasat TV 3 HD - Viasat Motor HD - Kanal 5 HD Sweden TV 3 HD Norge - Eurosport Norge HD Viasat Series HD - Viasat Film Hits HD Viasat Film Action HD	W			VideoGuard 86-32	SES-5 Nordic			
7 Hendrik 06.05.2019	11345 H DVB-S2/8PSK MPEG-4	30000 3/4	Viasat TV4 Sport HD - Viasat Fotboll HD Viasport+ HD - TV Norge HD Viasport 2 HD - Viasport 3 HD Cartoon Network Nordic Boomerang Nordic - TV12 HD Sweden Nat Geo Wild Europe - NHK World Japan CNN International Europe	W			VideoGuard 86-36	SES-5 Nordic			
				SBN International	W	2876	2877 Eng				2875
8 Hendrik 29.04.2019	11345 V DVB-S2/8PSK MPEG-4	30000 3/4	Viasat TV 3 Sport 1 HD - DR3 HD TV3 Max HD - TV 2 Lorry HD - FEM Viasat Xtra 1/2/3/4/5 - C More Hockey HD Discovery Channel SE - Viasat Golf HD	W			VideoGuard 86-25	SES-5 Nordic			
				-R- DR Klassisk	W		1777 Dan				1776
				-R- DR P3	W		1779 Dan				1778
				-R- DR P1	W		1799 Dan				1798
9 Hendrik 06.12.2019	11385 H DVB-S2/8PSK MPEG-4 HEVC	30000 3/4	Viasat UHD test 27 - Viasat Sport Extra	W			VideoGuard 86-37	SES-5 Nordic	Viasat Sport Extra on		
10 Hendrik	11385 V DVB-S2/8PSK	30000 3/4	Viasat TV2 Zebra HD - TV2 Sport Premium 1/2 HD	W			VideoGuard	SES-5			

11.04.2019	MPEG-4		TV2 Sport 1 HD - TV2 Sport 2 HD - TV 2 HD Norge TV 2 Nyhetskanalen HD - 6'eren HD				86-31	Nordic	
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941 Kooly 12.11.2019	11727 H DVB-S/QPSK MPEG-4	27500 3/4	Zuku TV	W			Verimatrix	SES-5 Sub Saharan Africa	new FEC
			Zuku Zone	W	1010	1011 Eng	1		
B1 Hendrik 03.12.2019	11727 H DVB-S2/8PSK MPEG-4	27500 5/6	Viasat TV 6 Lietuva - TV 3 Eesti - TV 6 Eesti ETV Estonia - Kanal 2 Estonia - NBA TV Kanal 11 Estonia - Okhota i Rybalka - BTV Setanta Sports - Kanal Disney Russia - PTV TV1000 Action East - Disney Junior - Disney XD CNN International Europe - Nickelodeon CIS Nick Jr Russia - Nick Toon Russia BBC World News - TVPlay Sports Plus HD VH1 Europe - NHK World Japan	W			VideoGuard 85-202	Astra-4A BSS Nordic	E! left
B2 Hendrik Eduard 22.11.2019	11747 V DVB-S2/8PSK MPEG-2 MPEG-4 HEVC	30000 3/4	XtraTV UA	W			Conax 85-43	Astra-4A BSS Europe	Svarozhichi on
			Tellytrack International	W	100	256 Eng	7605 CryptoGuard		
			ZIK HD Ukraine	W F	7611	7612 Ukr	7610 MPEG-4/HD		
			ZIK (Mist TV Lviv)	W F	7616	7617 Ukr	7615		
			5 Kanal Ukraine	W F	7626	7627 Ukr	7625 MPEG-4/HD		
			News One HD	W F	7631	7632 Ukr	7630 MPEG-4/HD		
			4 Kanal	W F	7641	7642 Ukr	7640		
			Svarozhichi	W F	7646	7647 Ukr	7645		
			ERC (European Racing Channel)	W	7651	7652 Eng	7650 HEVC CryptoGuard		
			Pershij Nezalezhnij	F	7661	7662 Ukr	7660		
			TV5 Zaporizhya	W F	7666	7667 Ukr	7665		
			ATR HD	W F	7681	7682 Ukr	7680 MPEG-4/HD		
			Oboz TV	W F	7686	7687 Ukr	7685		
English Club TV HD	W	7691	7692 Ukr	7690 MPEG-4/HD BetaCrypt Verimatrix Viaccess VideoGuard					
942 Walter 19.05.2013	11747 V DVB-S2/QPSK MPEG-4	27500 2/3	Zuku TV	W			Verimatrix	SES-5 Sub Saharan Africa	
			ARY QTV	W F	2400	2401 Urd			
B3 Hendrik Eduard 22.11.2019	11766 H DVB-S/MPEG-2 DVB-S/MPEG-4	27500 3/4	SES Ukraine	W			85-12	Astra-4A BSS Europe	VMX TEST left
			1+1	W F	6101	6102 Ukr	6100		
			TET	W F	6111	6112 Ukr	6110		
			2+2	W F	6121	6122 Ukr	6120		
			1+1 International	W F	6126	6127 Ukr	6125 MPEG-4 BISS		
			Paramount Channel Ukraine		6131	6132 Ukr	6130 6189 MPEG-4 BetaCrypt Verimatrix VideoGuard		
			Plus Plus	W F	6141	6142 Ukr	6140 6188		
			Bigudi	W F	6146	6147 Ukr	6145		
			Spike Russia	W	6151	6152 Ukr 6153 Eng	6150 MPEG-4 Verimatrix VideoGuard		
			Avers	W F	6166	6167 Ukr	6165		
			Unian TV	W F	6161	6162 Ukr	6160 6193		
			Music Box Ukraina	W F	6176	6177 Ukr	6175		
			Kvartal TV	W	6181	6182 Ukr	6180 MPEG-4 BetaCrypt		

						6183 Rus	Verimatrix VideoGuard		
			OTV Music	W F	6191	6192 Ukr	6190		
			Kus-Kus	F	7071	7072 Ukr	6194		
B4 Hendrik 03.12.2019	11785 V DVB-S2/8PSK MPEG-4	27500 5/6	Viasat LTV 1 - LTV 7 - TV 3 Latvia - LNK TV (LV) LNK TV (LT) - TV6 Latvija - Kanals 2 - 3+ TV8 Lithuania - Baltijos Televizija - MTV Hits TV 1 Lithuania - TV3 Film - TV3 Sport STS Baltic - TV1000 East - TV1000 Russkoe Kino >National Geographic Russia HD - Kidzone TV Viasat Explore HD - Viasat History HD Kanal 12 Baltics - Fox Russia - Sony Channel	W			VideoGuard 85-201	Astra-4A BSS Nordic	TV3 Film TV3 Sport on TVPlay Sports TV1000 Premium left Sony Channel on
444 Ali-Asaloul 29.11.2012	11785 V DVB-S/MPEG-2	27500 3/4	Canal CVV International		547	548 Eng	30	SES-5 Sub Saharan Africa	
B5 William-1 Hendrik 22.11.2018	11804 H DVB-S/MPEG-2							Astra-4A BSS Nordic	Viasat package left
945 Kooly 12.11.2019	11804 H DVB-S2/QPSK MPEG-4	27500 3/4	Zuku TV	W			Verimatrix	SES-5 Sub Saharan Africa	
B6 Hendrik 22.01.2019	11823 V DVB-S2/8PSK MPEG-4	27500 3/4	Viasat SVT HD - SVT 2 HD - C More Live HD Viasat Urheilu - Vox Norge - Max HD TV 3+ HD - Viasat Film Premiere HD TV2 Humorkanalen - National Geographic HD	W			VideoGuard 86-27	Astra-4A BSS Nordic	
946 Kooly 12.11.2019	11823 V DVB-S2/QPSK MPEG-4	27500 3/4	Zuku TV	W			Verimatrix	SES-5 Sub Saharan Africa	
B7 Hendrik 06.12.2019	11843 H DVB-S/MPEG-2	27500 3/4	Viasat Data	W			Viaccess2.6 Viaccess4.0 VideoGuard 85-13	Astra-4A BSS Nordic	Tallinna TV left
B8 Wellikan 22.01.2019	11862 V DVB-S2/32APSK ACM/VCM	27500 3/4	Data					Astra-4A BSS Nordic	
B9 Hendrik 08.01.2019	11881 H DVB-S2/8PSK MPEG-4	28000 3/4	Viasat TV4 Film - TV4 Fakta - TV4 Guld - TV7 HD Sjuan HD - Paramount Network Danmark Kanal 9 Sweden - Kanal 11 Sweden DR 2 - DR K - DR Ramasjang - DR Ultra TV 2 Øst - TV 2 Bornholm - TV 2 Fyn TV 2 Midt-Vest - TV 2 Nord - TV 2 Syd TV 2 Østjylland - C More Fotboll HD	W			VideoGuard 86-7	Astra-4A BSS Nordic	
949 Kooly 12.11.2019	11881 H DVB-S2/QPSK MPEG-4	27500 3/4	Zuku TV	W			Verimatrix	SES-5 Sub Saharan Africa	
B10 William-1 Hendrik 22.11.2018	11900 V DVB-S/MPEG-2							Astra-4A BSS Nordic	Viasat package left
950 Kooly 12.11.2019	11900 V DVB-S2/QPSK MPEG-4	27500 3/4	Zuku TV	W			Verimatrix	SES-5 Sub Saharan Africa	
251 Kooly 12.11.2019	11919 H DVB-S/MPEG-2 DVB-S/MPEG-4	27500 3/4					1-21	SES-5 Sub Saharan Africa	
			Virtual Games 2	F	2005	3005 Eng	5		
			ABC TV	F	2007	3007 Eng	7		
			RTV (Resurrection TV)	W F	2010	3010 Eng	10		
			Virtual Games	F	2011	3011 Eng	11		
			-R- LRN.FM (The Liberty Radio Network)	W		3051 Eng	51		
			-R- TWR Africa 2	W		3059 Eng	59		
B11 Hendrik 21.05.2019	11919 H DVB-S2/8PSK MPEG-4	28000 3/4	Viasat SVT 1 Värmland - SVT 1 Dalarna SVT 1 Norrbotten - SVT 1 Skåne - SVT 1 Öst SVT 1 Småland - SVT 1 Väst - SVT 1 Örebro SVT 1 Västerbotten - SVT 1 Västernorrland SVT 2 Dalarna - SVT 2 Norrbotten - SVT 2 Öst SVT 2 Skåne - SVT 2 Småland - SVT 2 Väst SVT 2 Värmland - SVT 2 Västernorrland SVT 2 Västerbotten - SVT 2 Örebro - TV 3 Puls HD SVTB / SVT24 - Kunskapskanalen - C More Golf HD TV8 HD Sweden - TV10 HD Sweden Barn/SVT24 talande text	W			VideoGuard 86-24	Astra-4A BSS Nordic	
B12 Hendrik 03.12.2019	11938 V DVB-S2/8PSK MPEG-4	27500 5/6	Viasat LRT Televizija - Pirmais Baltijas Kanals Lietuvos Rytas TV - ETV 2 Estonia - ETV+ NTV Mir Baltic - Sony Turbo - Ren TV Baltic TV3 Film HD - TV 3 Lietuva - TV3 Sport 3 TV 3 Eesti HD - TV 3 Latvia HD TV 3 Lietuva HD - TV3 Sport HD Viasat Epic Drama HD - Viasat History Viasat Explore - Viasat Nature East	W			VideoGuard 85-203	Astra-4A BSS Nordic	TV3 Film HD TV3 Sport HD TV3 Sport 3 on TVPlay SportsX TVPlay Sports HD TV1000 Premium HD

			LRT Lituanica	W F	5341	5342 Lit	10510		left Sony Turbo on
950 Kooly 12.11.2019	11938 V DVB-S2/QPSK MPEG-4	27500 3/4	StarSat					SES-5 Sub Saharan Africa	
13 Hendrik 03.12.2019	11958 H DVB-S2/8PSK MPEG-4	27500 3/4	Viasat TV 6 Lietuva - TV 3 Eesti - TV 6 Eesti ETV Estonia - Kanal 2 Estonia - NBA TV Kanal 11 Estonia - Okhota i Rybalka - BTV Setanta Sports - Kanal Disney Russia - PTV TV1000 Action East - Disney Junior - Disney XD CNN International Europe - Nickelodeon CIS Nick Jr Russia - Nick Toon Russia BBC World News - TV3 Sport 2 HD VH1 Europe - NHK World Japan	W			VideoGuard 85-202	Astra-4A BSS Nordic	TV3 Sport 2 HD on TVPlay Sports Plus HD E! left
953 Walter 19.05.2013	11958 H DVB-S2/QPSK MPEG-4	27500 2/3	Zuku TV	W			Verimatrix	SES-5 Sub Saharan Africa	
B14 William-1 Hendrik 22.11.2018	11977 V DVB-S/MPEG-2							Astra-4A BSS Nordic	Viasat package left
954 Kooly 12.11.2019	11977 V DVB-S2/QPSK MPEG-4	27500 3/4	StarSat					SES-5 Sub Saharan Africa	
B15 Hendrik 01.07.2019	11996 H DVB-S/MPEG-2 DVB-S/MPEG-4	27500 3/4	Viasat TV Chile	W			Viaccess VideoGuard 86-6	Astra-4A BSS Nordic	
			TBN Nordic	W F	4096	4097 Swe	4095		
			Visjon Norge HD	W F	4011	2308 Eng	4010 MPEG-4/HD		
			Kanal 10 Sverige	W F	4051	4052	4050		
			God TV Europe	W F	4061	4062 Eng	4060		
			RT English	W F	4081	4082 Eng	4080		
955 Kooly 12.11.2019	11996 H DVB-S2/QPSK MPEG-4	27500 3/4	StarSat					SES-5 Sub Saharan Africa	
			ST Guide	W	1110	2110 Eng	8100		
B16 Hendrik 17.01.2017	12015 V DVB-S2/8PSK MPEG-4	27500 3/4	Viasat Fox Norge - NRK 2 - NRK 2 Lydtekst NRK 1 Tegnspråk - NRK 1 Østafjells NRK 1 Nordnytt - NRK 1 Nordland NRK 1 Midtnytt - NRK 1 Møre og Romsdal NRK 1 Vestlandsrevyen - NRK 1 Rogaland NRK 1 Sørlandet - NRK 1 Østnytt NRK 1 Østfold - NRK Super/NRK 3 - NRK 1 HD NRK 1 Lydtekst - NRK Super / NRK 3 Lydtekst	W			VideoGuard 86-28	Astra-4A BSS Nordic	
			-R- NRK 1 P1 Oslo	W		3867 Nor	7867		
			-R- NRK 1 P1 Troms	W		3868 Nor	7868		
			-R- NRK 1 P1 Finnmark	W		3869 Nor	7869		
			-R- NRK 1 P1 Nordland	W		3870 Nor	7870		
			-R- NRK 1 P1 Trøndelag	W		3871 Nor	7871		
			-R- NRK 1 P1 Møre og Romsdal	W		3874 Nor	7872		
			-R- NRK 1 P1 Sogn og Fjordane	W		3873 Nor	7873		
			-R- NRK 1 P1 Hordaland	W		3874 Nor	7874		
			-R- NRK 1 P1 Rogaland	W		3875 Nor	7875		
			-R- NRK 1 P1 Sørlandet	W		3876 Nor	7876		
			-R- NRK 1 P1 Telemark	W		3877 Nor	7877		
			-R- NRK 1 P1 Buskerud	W		3879 Nor	7879		
			-R- NRK 1 P1 Hedland/Oppland	W		3880 Nor	7880		
			-R- NRK 1 P1 Østfold	W		3881 Nor	7881		
			-R- NRK P2	W		3882 Nor	7882		
			-R- NRK P3	W		3883 Nor	7883		
			-R- NRK Klassisk	W		3884 Nor	7884		
			-R- NRK Sámi Radio	W		3885 Nor	7885		
			-R- NRK mP3	W		3886 Nor	7886		
			-R- NRK Alltid Nyheter	W		3887 Nor	7887		
			-R- NRK P13	W		3888 Nor	7888		
			-R- NRK Været til sjøs	W		3889 Nor	7889		
			-R- NRK Super	W		3890 Nor	7890		
			-R- NRK P1+	W		3891 Nor	7891		
			-R- NRK Jazz	W		3892 Nor	7892		
-R- NRK Sport	W		3893 Nor	7893					
-R- NRK Folkemusikk	W		3894 Nor	7894					
			GlobeCast	W			4-4956		
			Benie TV	W F	1207	1307 Fre	5807		
			France 24 Français	W F	1208	1308 Fre	5808		

956 Kooly 12.11.2019	12015 V DVB-S/MPEG-2 DVB-S/MPEG-4	29950 3/4	Tele Congo	W F	1211	1311 Fre	5811	SES-5 Sub Saharan Africa	
			Vatican Media	W F	1216	1316 Ita	5816		
			Espace TV Guinea	W F	1217	1317 Fre	5817		
			France 24 English	W F	1218	1318 Eng	5818		
			RT News	W F	1220	1320 Eng	5820		
			TRT World HD	W F	1222	1322 Eng	5822 MPEG-4/HD		
			Africanews	W F	1241	1341 Eng 1441 Fre	5841		
			-R- RFI English	W		882 Eng	855		
			-R- RFI Français	W		882 Fre	856		
			-R- RFI Portugais	W		882 Por	857		
			-R- RFI Swahili	W		882 Swa	858		
			-R- RFI Hausa	W		882 Hau	860		
			-R- RFI Swahili-English	W		882 Swa/Eng	861		
			-R- RFI Mandingue	W		882 Swa/Eng	862		
			-R- RFI Peul	W		882	868		
			-R- RFI Peul-Mandingue	W		882	869		
			-R- RFI Peul-Hausa	W		882	870		
-R- RFI English-Hausa	W		882	871					
-R- Radio Congo	W		341 Fre	5891					
B17 William-1 Hendrik 22.11.2018	12034 H DVB-S/MPEG-2							Astra-4A BSS Nordic	Viasat package left
957 Kooly 12.11.2019	12034 H DVB-S/MPEG-2 DVB-S/MPEG-4	27500 3/4	GlobeCast	W			4-4957	SES-5 Sub Saharan Africa	SES Demo on
			SES Demo	W F	255	256	8001		
			Gabriele TV Africa	W F	611	131 Ger	8005		
			DW English	W F	101	102 Eng	8010		
			DW English	W F	811	818 Eng	8020		
			CCTV 4 Europe	W F	105	305 Chi	8031		
			CGTN Documentary	W F	107	307 Eng	8032		
			CGTN Français	W F	110	310 Fre	8033		
			CGTN	W F	111	311 Eng	8034		
			MTA Africa	W F	1219	1319 Eng 1419 Fre 1519 Urd 1619 Swa 1719 Yor	8036		
			Madani Channel	W F	2342	2343 Eng	8037		
			NHK World Japan	W F	1160	1120 Eng	8040		
			BVN TV Europa	W F	525	122 Dut	8060		
			-R- DW-Radio 8	W		2080	8025		
			-R- DW-Radio 9	W		2090	8026		
			-R- DW-Radio FM 2	W		2120	8027		
			-R- DW-Radio FM 3	W		2130	8028		
-R- DW-Radio FM 4	W		2020	8029					
-R- DW-Radio FM 5	W		2040	8030					
-R- BVN Radio 1			201 Dut	8061					
-R- VRT Radio 1	W		51 Dut	8062					
B18 Hendrik 14.03.2019	12054 V DVB-S/MPEG-4	27500 3/4	test carrier					Astra-4A BSS Nordic	Viasat package left
258 DX Sito 23.08.2017	12054 V DVB-S2/8PSK MPEG-2	30000 3/4						SES-5 Sub Saharan Africa	
B19 Hendrik Eduard 22.11.2019	12073 H DVB-S/MPEG-2 DVB-S/MPEG-4	27500 3/4	Thorsat	W			85-15	Astra-4A BSS Europe	Svarozhichi left
			New Christian	F	6506	6507 Ukr	6505		
			News One	W F	6511	6512 Ukr	6510		
			Espreso TV	W F	6521	6522 Ukr	6520		
			Centralniy Kanal	F	6526	6527 Ukr	6525		
			Glas	W F	6531	6532 Ukr 6533 Rus	6530		
			Karavan	F	6546	6547 Rus	6545		
			Hromadske	F	6551	6552 Ukr	6550		
			ZIK Ukraine	W F	6561	6562 Ukr	6560		
			Rada Ukrainian Parliament Channel	W F	6571	6572 Ukr	6570		
			Telekanal Ukraine	W F	6576	6577 Ukr	6575 BISS		
			English Club TV	W	6581	6582 Ukr 6583 Eng	6580 BetaCrypt Verimatrix Viaccess VideoGuard		
			Natali	F	6591	6592 Ukr	6590		
			-R- Emmanuel	W		6501 Ukr	6500		
			-R- Radio NV (Novoe Vremya)			6504 Ukr	6503		
-R- Hromadske Radio	W		6509 Ukr	6508					

B20 Hendrik Puteez 06.08.2019	12092 V DVB-S2/8PSK MPEG-4	30000 2/3	Viasat Ukraine TV1000 East - Viasat Explore - TV1000 Action East TV1000 World Kino - Viasat Nature/History HD Viasat Sport East - VIP Comedy HD Viasat Sport East HD - Viasat Nature East Fine Living Europe - TV1000 Premium TV1000 Megahit - VIP Comedy - PTV T1000 Premium HD - TV1000 Megahit HD - Bolt Discovery HD Showcase	W			Verimatrix VideoGuard 68-26	Astra-4A BSS Europe			
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B21 VodzigorLans 18.06.2016	12111 H DVB-S2/32APSK ACM	26883 3/4	Data					Astra-4A BSS Europe			
B22 Eduard Hendrik 09.06.2019	12130 V DVB-S/MPEG-2 DVB-S/MPEG-4	27500 3/4	85-16				85-16	Astra-4A BSS Europe			
			Telekanal Ukraine	W F	6611	6612 Ukr	6610 BISS				
			Football 1 HD	W	6621	6622 Ukr 6992 Ukr	6620 MPEG-4/HD BetaCrypt				
			Football 1	W	6631	6632 Ukr 6633 Ukr	6630 BetaCrypt				
			Football 2 HD	W	6641	6642 Ukr	6640 MPEG-4/HD BetaCrypt				
			Donbass	W F	6651	6652 Ukr 6653 Ukr	6650				
			Football 2	W	6661	6162 Ukr 6663 Ukr	6660 BetaCrypt				
			34 Telekanal	W F	6671	6672 Ukr	6670 BISS				
			NLO TV	W F	6681	6682 Ukr	6680 BISS				
Indigo TV	W F	6691	6692 Ukr	6690							
B23 Eduard 28.11.2019	12149 H DVB-S/MPEG-2	27500 3/4	SISLink	W			PowerVu 1-201	Astra-4A BSS Europe			
			Coral TV1		410	400 Eng	20 29				
			Coral TV2		610	600 Eng	23				
			Ladbrokes 1		310	300 Eng 301 Eng	66				
			Ladbrokes Extra	W	510	500 Eng	88				
			SIS Spanish Racing	W	210	200	92				
			SIS MK Test		810	800 Eng	108 113				
			PPTV-UK		810	802 Eng	114				
			PPTV4		710	700 Eng	116				
			SIS+ with BTC Audio	W	910	900 Eng 902 Eng	120 130 136 250 400				
MK Test		110	100 Eng	201							
B24 Eduard 28.11.2019	12169 V DVB-S2/QPSK ACM	30000 3/4	Data					Astra-4A BSS Europe			
B25 Eduard 15.10.2019	12188 H DVB-S2/8PSK MPEG-4 Multistream T2-MI	30000 5/6	ZeonBud	W			Irdeto	Astra-4A BSS Europe			
			Stream 10 PLP 0 8996-1000								
			Inter	W	1101	1102 Ukr	11				
			Telekanal Ukraine	W	1201	1202 Ukr	12				
			1+1	W	1301	1302 Ukr	13				
			NTN	W	1401	1402 Ukr	14				
			K1	W	1501	1502 Ukr	15				
			Pershiy Nacionalniy (UA)	W	1601	1602 Ukr	16				
			ICTV	W	1701	1702 Ukr	17				
			Enter Film	W	1801	1802 Ukr	18				
			Stream 20 PLP 0 8996-200								
			Zoom	W	2101	2102 Ukr	21				
			Indigo TV	W	2201	2202 Ukr	22				
			Telekanal STB	W	2301	2302 Ukr	23				
			TET	W	2401	2402 Ukr	24				

			K2	W	2501	2502 Ukr	25		
			Novy Kanal	W	2601	2602 Ukr	26		
			M1 Ukraine	W	2701	2702 Ukr	27		
			Pryamiy HD	F	2801	2802 Ukr	28 MPEG-4/HD		
B26 Hendrik Eduard 01.09.2019	12207 V DVB-S2/8PSK MPEG-4	30000 2/3	Viasat Ukraine Fox Russia - Viasat History - Sony Turbo National Geographic Russia - TLC Ukraine Nick Jr - Discovery Science - History Russia Food Network - Animal Planet Russia TV1000 World Kino - Sony Channel Russia Nickelodeon CIS - Travel Channel Europe - PTV Sony Sci-Fi Russia - Discovery Channel Russia Eurosport 1 Russia - Eurosport 2 Russia Nickelodeon HD - Eurosport 1 Russia HD	W			Verimatrix VideoGuard 68-24	Astra-4A BSS Europe	
B27 Zaza 26.09.2019	12226 H DVB-S2/8PSK	27500 3/4	AOL	W				Astra-4A BSS Europe	
B28 Hendrik 01.12.2019	12245 V DVB-S2/8PSK MPEG-4	30000 3/4					83-53 2910 MPEG-4/HD BetaCrypt Verimatrix	Astra-4A BSS Europe	Sonce UA HD left
			Ukraine HD		101	102 Ukr	2911 MPEG-4/HD BetaCrypt Verimatrix		
			NLO HD	W	111	112 Ukr	2912 MPEG-4/HD BetaCrypt		
			Indigo TV HD	W	121	122 Ukr	2914 MPEG-4/HD BetaCrypt		
			Football 1 HD	W	141	142 Ukr	2915 MPEG-4/HD BetaCrypt		
			Football 1	W	151	152 Ukr 153 Ukr	2916 BetaCrypt		
			Football 2 HD	W	161	162 Ukr	2917 MPEG-4/HD BetaCrypt		
			Football 2	W	171	172 Ukr 173 Ukr	2918 BetaCrypt		
			Donbass	W F	181	182 Ukr 183 Ukr	2919 BISS		
			34 Telekanal	W F	191	192 Ukr	2920 MPEG-4/HD		
			1+1 HD	W	201	202 Ukr	2921 MPEG-4/HD Verimatrix		
			TET HD	W	211	212 Ukr	2922 MPEG-4/HD Verimatrix		
			2+2 HD	W	221	222 Ukr	2930 MPEG-4/HD Verimatrix		
			Rybalka TV	W	301	302 Ukr	Betacrypt		
B29 Hendrik 12.09.2019	12265 H DVB-S/MPEG-2 DVB-S/MPEG-4	30000 3/4	SatTelecom	W			85-44 7701 MPEG-4 Betacrypt Verimatrix VideoGuard	Astra-4A BSS Europe	
			1+1	W	7011	7012 Ukr	7702 MPEG-4 Betacrypt Verimatrix VideoGuard		
			TET	W	7021	7022 Ukr	7703 MPEG-4 Betacrypt Verimatrix VideoGuard		
			2+2	W	7031	7032 Ukr	7704 MPEG-4 Betacrypt Verimatrix VideoGuard		
			<i>Verimatrix test</i>		7041	7042 Ukr	7705 MPEG-4 Verimatrix		
			Paramount Comedy Ukraine		7051	7052 Ukr 7053	7706 MPEG-4 Verimatrix		
			Nicktoons		7061	7062 7063	7711 MPEG-4 Verimatrix		
			Trofey	W F	7111	7112 Ukr 7113 Rus	7712 MPEG-4 BISS		
			Dacha	W F	7121	7122 Ukr 7123 Rus	7713 MPEG-4 BISS		
			Epoque	F	7131	7132 Ukr 7133 Rus	7714 MPEG-4 BISS		
			Terra	F	7141	7142 Ukr 7143 Rus	7715		
			Nauka	F	7151	7152 Ukr 7153 Rus	7716		
			Fauna	F	7161	7162 Ukr 7163 Rus	7717 MPEG-4 Verimatrix VideoGuard		
			FilmUaDrama	W	7171	7172 Ukr 7173 Rus	7719		
			36.6 TV	F	7191	7192 Ukr	7721		
			Kyiv TV	W F	7211	7212 Ukr	7785 MPEG-2 BISS		
			Telekanal Ukraine	W F	7851	7852 Ukr			

971 FaresSenara 29.08.2016	12265 H DVB-S/MPEG-2	27500 3/4						SES-5 Sub Saharan Africa			
B30 Hendrik 06.12.2019	12284 V DVB-S/MPEG-2 DVB-S/MPEG-4	27500 3/4	Viasat Ukraine			W			85-17	Astra-4A BSS Europe	Zoryanij HD test card only now
			Rabinovich TV	W F	6911	6912 Rus	6910				
			Nadiya	W F	6916	6917 Ukr	6915				
			Sonce UA	W F	6921	6922 Ukr	6920				
			5 Kanal Ukraine	W F	6931	6932 Ukr	6930				
			KRT	W F	6941	6942 Ukr	6940				
			Pryamiy	F	6951	6952 Ukr	6950				
			Vintage TV	F	6946	6947 Ukr	6945				
			Ukrlive	F	6961	6962 Ukr	6960				
			112 Ukraine	W F	6971	6972	6970				
			Nash	F	6981	6982 Ukr	6980				
			HD test card		6596	258	6995 MPEG-4/HD				
			-R- Army FM	W		6901 Ukr	6900				
			-R- Radio Hope (Golos Nadii)	W		6918 Ukr	6915				
			-R- Perec FM	W		6963 Ukr	6945				
			B31 Hendrik 01.07.2019	12303 H DVB-S/MPEG-2 DVB-S/MPEG-4	25548 7/8	Arqiva			W		
Diva Romania	W	3160				3120 Rum 3121 Eng 3122	501 610				
Universal Channel Hungary	W	3260				3220 Eng 3222 Hun	502 621 623				
Diva Balkans	W	3260				3220 Eng	620				
Belsat TV	W F	2601				2602 Bel	1291				
Software Update	W	3160					MPEG-4				
-R- Bootstrap Master						3720 Eng	1				
-R- Premier Christian Radio	W					1323 Eng	212				
-R- Absolute Radio	W					1215 Eng	1006				
-R- IRN						4401 4402	1283				
B32 Hendrik 04.03.2019	12322 V DVB-S2/8PSK MPEG-4	27500 5/6	Discovery Networks			W			PowerVu 94-1	Astra-4A BSS Europe	
			Animal Planet Europe	W	100	101 Eng 102 Cze 103 Rus 104 Hun 105 Tur	100 101 102				
			Discovery Channel Central Europe	W	200	201 Eng 202 Rus 203 Cze 204 Hun 205 Bul	200 201				
			Investigation Discovery Xtra	W	400	401 Eng 402 Hun 403 Rus 404 Tur 405 Cze 406 Bul	400 401				
			Discovery Channel Central Europe	W	500	501 Eng 502 Rus	500				
			Discovery Science Europe	W	900	901 Eng 902 Hun 903 Tur 904 Cze 905 Bul	900 901				
			Discovery World		1000	1001 Eng 1002 Hun 1003 Tur 1004 Rus 1005 Cze	1000 1001				
			Animal Planet Türkiye HD	W	1300	1301 Tur 1302 Eng 1303 Tur	1300 MPEG-4/HD				
			Discovery Channel Türkiye HD	W	1100	1101 Tur 1102 Eng 1103 Tur	1100 MPEG-4/HD				
			Discovery Science Türkiye HD	W	1500	1501 Tur 1502 Eng 1503 Tur	1500 MPEG-4/HD				
			Eurosport 2 Deutschland	W	4200	4201 Org 4202 Eng	4200 Viaccess				
			Eurosport 1 Deutschland	W	4300	4301 Ger	4300 Viaccess				
			Eurosport 1	W	4100	4401 4402 4403 4404	4400 Viaccess				
			Eurosport 2	W	4500	4501 4502 4503 4504	4500 Viaccess				
			Eurosport 2 BL	W	4100	4601 4602 4603 4604	4600 Viaccess				
						ZeonBud			W		
Stream 30 / T2-MI 10-300											
Mega	W	3101				3102 Ukr	31				
Pixel	W	3201				3202 Ukr	32				
XSport	W	3301				3302 Ukr	33				

B33 Eduard 02.12.2019	12341 H DVB-S2/8PSK MPEG-4 Multistream	30000 3/4	NLO TV	W	3401	3402 Ukr	34	Astra-4A BSS Europe	Ukraina 24 test on Eskulap TV left		
			2+2	W	3501	3502 Ukr	35				
			ZIK Ukraine	W	3601	3602 Ukr	36				
			Espresso TV	W	3701	3702 Ukr	37				
			test card		3801	3802	38				
			Stream 40 8996-400								
			test card		6101	6102 Ukr	1 MPEG-4/HD				
			UA: Donbas	W F	6501	6502 Ukr	5				
			Kanal 5	W F	4101	4102 Ukr	41				
			UA: Kultura Ukraine	W F	4201	4202 Ukr	42				
			Rada Ukrainian Parliament Channel	W F	4301	4302 Ukr	43				
			Ukraina 24 test		4401	4402 Ukr	44				
			Test 48		4109	4110 Ukr	149				
			test card		5401	5402	800				
973 Bugreysev 12.11.2012	12341 H DVB-S2/8PSK MPEG-4	27500 3/4	StarSat	W			VideoGuard	SES-5 Sub Saharan Africa			
B34 Hendrik 15.03.2019	12360 V DVB-S2/8PSK MPEG-4	27500 5/6	Discovery Networks	W			PowerVu 94-1	Astra-4A BSS Europe			
			Travel Channel EMEA HD	W	100	101 Eng 102 Pol 103 Cze 104 Rus 105 Hun 106 Bul 107 Tur	100 MPEG-4/HD				
			Turbo Xtra Poland	W	600	601 Pol 602 Org 603 Pol 604 Pol	600				
			TLC Balkans	W	800	801 Eng 802 Eng	800				
			TLC Hungary	W	1000	1001 Hun 1002 Eng 1003 Cze	1000 MPEG-4				
			Investigation Discovery Sverige	W	1600	1601 Eng	1600 MPEG-4				
			Animal Planet Poland HD	W	1700	1701 Pol 1702 Eng	1700 MPEG-4/HD				
			Discovery Science Poland HD		1800	18001 Pol 1802 Eng 1803 Pol	1800 MPEG-4/HD				
			Investigation Discovery Poland	W	2100	2101 Pol 202 Eng	2100 MPEG-4				
			Discovery Channel Sweden	W	2200	2201 Swe 2202 Eng	2200 MPEG-4				
			TLC Poland HD	W	3300	3101 Pol 3102 Eng	3100 MPEG-4/HD				
			TLC Pan Regional	W	3300	3301 Eng 3302 Hun 3303 Rus 3304 Cze 3306 Por	3300				
			Eurosport 2 PAN HD	W	4700	4701 Gre 4702 Rus 4703 Por 4704 Tur 4705 Ser 4707 Ita 4708 Eng 4709 Spa 4710 Cze	4700 MPEG-4/HD Viaccess				
			B35 Eduard 17.04.2019	12380 H DVB-S/MPEG-2	27500 3/4	SES	W				
TVGE Internacional	W F	201				202 Spa	200				
ATG Live	W	4130				4131 Swe 4132 4135	210 Compel				
RTVi Europe	W	221				222 Rus	220 Viaccess				
LTV World	W F	241				242 Lit	240				
SBN Global	W	251				252 Eng 253 Eng	250				
Kanal 75 International	W	4141				4142 Eng 4143 Ger 4144 Pol	260 Compel				
TBN Ukraine	W F	271				272 Ukr	270				
DW Deutsch	W F	291				292 Ger	290				
-R- Eurapeiskae Radie dlja Belarus	W					231 Bel	230				
-R- Radio Marija Latvia	W					235 Lat	234				
975 Bugreysev 12.11.2012	12380 H DVB-S2/8PSK MPEG-4	27500 3/4	StarSat	W			VideoGuard	SES-5 Sub Saharan Africa			
B36	12399 V		SES Ukraine	W			85-19	Astra-4A			
			Inter	W F	7311	7312 Ukr	7310				
			NTN	W F	7321	7322 Ukr	7320				
			Svarozhichi	W F	7331	7332 Ukr	7330				
			Mega	W F	7341	7342 Ukr	7340				
			K1	W F	7351	7352 Ukr	7350				
			K2	W F	7356	7357 Ukr	7355				
			Zoom	W F	7361	7362 Ukr	7360				

Eduard 08.10.2019	DVB-S/MPEG-2 DVB-S/MPEG-4	27500 3/4	Pixel	WF	7366	7367 Ukr	7365	BSS Europe	
			Enter Film	WF	7371	7372 Ukr	7370		
			TEST		7386	7387	7385 MPEG-4 Verimatrix		
			Inter+	WF	7391	7392 Ukr 7393	7390 MPEG-4 BISS		
			Test		7396	7397 Ukr	7395 MPEG-2 Betacrypt		
B37 Eduard 30.11.2019	12418 H DVB-S/MPEG-2	27500 3/4	SIS Live	W			PowerVu 1-101	Astra-4A BSS Europe	
			Betfred SIS - Cisco 1	W	100	110 Eng	11 111 115 122 152 168		
			Landbrokes SIS LES2 - Cisco 1		800	112 Eng	33 169		
			Betfred TOTE 2 - Cisco 1	W	100	310 Eng	49		
			SIS Vision	W	100	112 Eng	70 75 79 153		
			SIS Euro Racing	W	200	210 Eng	90 91		
			SIS Racing Service William Hill	W	600	610 Eng	53		
			WH 2	W	900	910 Eng 912 Eng	54 200		
			Racing TVi promo		700	710 Eng	95		
			New Boyles Sports - Cisco 1		100	212 Eng	147		
			Betfred Tog - Cisco 3	W	300	310 Eng	160		
			Betfred TTV - Cisco 4	W	400	410 Eng	162		
			Betfred Virtual - Cisco 5	W	500	510 Eng	163		
977 Bugreysev 12.11.2012	12418 H DVB-S2/8PSK MPEG-4	27500 3/4	StarSat	W			VideoGuard	SES-5 Sub Saharan Africa	
B38 Hendrik 28.05.2019	12437 V DVB-S2/8PSK MPEG-4							Astra-4A BSS Nordic	Viasat package left
B39 Wellikan 11.10.2015	12456 H DVB-S2/QPSK	27000 1/2	AOL	W				Astra-4A BSS Europe	
B40 VodzigorLans 08.06.2018	12476 V DVB-S2/32APSK	27500 3/4	Data					Astra-4A BSS Nordic	Viasat package left
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EG1 Zaza 06.10.2019	12534 H DVB-S2/8PSK ACM	5334 3/4	Data					Astra-4A FSS Europe	
G4 Andrew O. 03.12.2016	12565 V DVB-S2/QPSK MPEG-4	30000 5/6	Satelio	W			Panaccess	Astra-4A Sub Saharan Africa	
			Das Erste HD	W	1001	1002 Ger	MPEG-4/HD		
			ZDF HD	W	1011	1012 Ger	MPEG-4/HD		
			3 Sat	W		Ger			
			RTL Deutschland	W	1051	1052 Ger			
			RTL 2 Deutschland	W	1061	1062			
			Sat.1 Deutschland	W	1101	1102 Ger			
			Pro 7 Deutschland	W	1111	1112 Ger			
			Kabel 1 Deutschland	W	1121	1122 Ger			
			Vox Deutschland	W	1151	1152 Ger			
			Puls 4	W	1501	1502 Ger			
			DW Deutsch	W	1261	1262 Ger			
			Super RTL Deutschland	W	1351	1352 Ger			
			Sixx Deutschland	W	1361	1362 Ger			
			N-TV	W	1501	1502 Ger			
			Jukebox (06-18)	W	1601	1602 Ger			
			Auto Motor und Sport (18-06)	W	1601	1602 Ger			
			Fix & Foxi (07-20)	W	1651	1652 Ger			
			Satelio Infokanal			Ger			
			AMC (AMusic Channel Nigeria)	WF		Eng			
			-R- Hit Radio Namibia	W		3001 Ger			
			-R- FFN Digital	W		3051 Ger			
			-R- Klassik Radio	W		3061 Ger			
-R- Harmony FM	W		3071 Ger						
-R- Antenne Bayern	W		3091 Ger						
-R- Radio Paloma	W		3101 Ger						
-R- Sunshine Live	W		3111 Ger						
-R- Rock Antenne	W		3121 Ger						
							65535-1		
			-R- Endüstri Radvo	W		201 Tur	1		

EG1 Hendrik 23.09.2019	12578 H DVB-S/QPSK	1333 3/4	-R- Bayram FM	W		202 Tur	2	Astra-4A FSS Europe		
			-R- Bayram FM	W		203 Tur	3			
			-R- Radio 100			232 Tur	32			
EG3 Hendrik Mogol Eduard 08.01.2019	12608 H DVB-S/MPEG-2	27500 3/4	Viasat TV1000 World Kino - Viasat Nature East TV1000 Action East - TV1000 East Viasat Nature HD/Viasat History HD			W		VideoGuard 86-29	Astra-4A FSS Europe	
EG4 EnoSat VodzigorLans 06.04.2016	12611 V DVB-S2/32APSK ACM	1000 3/4	Data						Astra-4A FSS Nordic	
EG4 VodzigorLans 30.03.2017	12616 V DVB-S2/32APSK ACM	2230 3/4	Data						Astra-4A FSS Nordic	
G6 Chadli_sat 20.04.2015	12621 V DVB-S/MPEG-2	3660 2/3	MBC (Malawi Broadcasting Corporation)	W F	4194	4195 Eng		Astra-4A Sub Saharan Africa		
EG4 SatSearcher 17.11.2018	12636 V DVB-S2/QPSK ACM	4320 1/4	Data						Astra-4A FSS Nordic	
EG3 Hendrik 02.01.2019	12637 H DVB-S/MPEG-2	14465 3/4	Viasat Viasat Explore - TV 1000 Balkan Viasat History - TV1000 Russkoe Kino Int			W		VideoGuard 86-20	Astra-4A FSS Europe	
EG4 SatSearcher 17.11.2018	12644 V DVB-S2/16APSK	1000 2/3	Data						Astra-4A FSS Nordic	
EG4 M.Vyletal 04.10.2015	12645 V DVB-S/QPSK	256 1/2	Radio NRJ			W			Astra-4A FSS Europe	12645.3
			-R- Radio NRJ (Finland)	W		64 Fin	161			
G10 Chadli_sat 20.09.2014	12671 V DVB-S2/QPSK MPEG-4	3000 2/3	Homebase TV Ghana			W F	Eng		Astra-4A Sub Saharan Africa	
EG6 SatSearcher 17.11.2018	12681 V DVB-S2/32APSK	22080 3/4	Data						Astra-4A FSS Europe	
EG5 Wellikan 05.09.2018	12687 H DVB-S2/16APSK	5167 2/3	Data						Astra-4A FSS Europe	
EG5 Eduard 16.08.2019	12735 H DVB-S2/8PSK MPEG-4	3600 2/3	Moldovan package						Astra-4A FSS Europe	
			Jurnal TV HD Moldova	W F	340	341 Mol	1 MPEG-4/HD			
			RTR Moldova HD	W F	440	441 Rus	2			
			-R- JurnalFM	W		331 Mol	3			
			-R- Radio Micul Samaritean Moldova	W		445 Mol	4			

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IC52 Wellikan 03.01.2018	19728 H DVB-S2/32APSK	45000 3/4	Data						Astra-4A Interconnect Ka Beam
IC4 Llew 12.02.2015	21580 H DVB-S/MPEG-2	3659 Auto	TVM Malawi	F	4194	4195 4197 4211 4213	1	Astra-4A Interconnect Ka Beam	

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FTA MPEG-2	FTA MPEG-4	FTA HEVC	FTA HD / UHD	Temporary FTA	Encrypted SD	Encrypted HD/UHD	Data	Feed
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