

CANALSAT	Nom de service	Tsid	Sid	Type	Fréq.	Polar.	Modul.	D. Symb.	FEC
1	TF1	1088	9312	HD	12.168	linear - vertical	DVB-S2	29.7	2/3
2	FRANCE 2	1088	9306	HD	12.168	linear - vertical	DVB-S2	29.7	2/3
3	FRANCE 3	1088	9309	HD	12.168	linear - vertical	DVB-S2	29.7	2/3
4	CANAL+	1076	8909	HD	11.934	linear - vertical	DVB-S2	29.7	2/3
4	CANAL+	1080	8801	HD	12.012	linear - vertical	DVB-S2	29.7	2/3
5	FRANCE 5	1090	9008	HD	12.207	linear - vertical	DVB-S2	29.7	2/3
6	M6	1088	9303	HD	12.168	linear - vertical	DVB-S2	29.7	2/3
7	ARTE	1074	8321	HD	11.895	linear - vertical	DVB-S2	29.7	2/3
8	A LA UNE	1074	8304	HD	11.895	linear - vertical	DVB-S2	29.7	2/3
10	CANAL+ CINEMA	1080	8803	HD	12.012	linear - vertical	DVB-S2	29.7	2/3
11	CANAL+ SPORT	1080	8804	HD	12.012	linear - vertical	DVB-S2	29.7	2/3
12	CANAL+ SERIES	1080	8806	HD	12.012	linear - vertical	DVB-S2	29.7	2/3
13	CANAL+ FAMILY	1080	8805	HD	12.012	linear - vertical	DVB-S2	29.7	2/3
14	CANAL+ DECALE	1080	8802	HD	12.012	linear - vertical	DVB-S2	29.7	2/3
19	EVENEMENT	1092	6609	HD	12.246	linear - vertical	DVB-S2	29.7	2/3
20	CINE+ PREMIER	1088	9302	HD	12.168	linear - vertical	DVB-S2	29.7	2/3
21	CINE+ FRISSON	1080	8807	HD	12.012	linear - vertical	DVB-S2	29.7	2/3
22	CINE+ EMOTION	1088	9307	HD	12.168	linear - vertical	DVB-S2	29.7	2/3
23	CINE+ FAMIZ	1080	8808	HD	12.012	linear - vertical	DVB-S2	29.7	2/3
24	CINE+ CLUB	1086	9913	HD	12.129	linear - vertical	DVB-S2	29.7	2/3
25	CINE+ CLASSIC	1080	8809	HD	12.012	linear - vertical	DVB-S2	29.7	2/3
26	OCS MAX	1080	8814	HD	12.012	linear - vertical	DVB-S2	29.7	2/3
27	OCS CITY	1080	8813	HD	12.012	linear - vertical	DVB-S2	29.7	2/3
28	OCS CHOC	1084	9404	HD	12.090	linear - vertical	DVB-S2	29.7	2/3
29	OCS GEANTS	1092	6604	HD	12.246	linear - vertical	DVB-S2	29.7	2/3
30	DISNEY CINEMA	1084	9402	HD	12.090	linear - vertical	DVB-S2	29.7	2/3
31	TCM CINEMA	1086	9902	HD	12.129	linear - vertical	DVB-S2	29.7	2/3
32	PARAMOUNT CHANNEL	1092	6606	HD	12.246	linear - vertical	DVB-S2	29.7	2/3
33	ACTION	1094	17030	HD	12.285	linear - vertical	DVB-S2	29.7	2/3
34	SUNDANCE TV	1072	8205	HD	11.856	linear - vertical	DVB-S2	29.7	2/3
40	COMEDIE+	1102	6508	HD	12.441	linear - vertical	DVB-S2	29.7	2/3
41	POLAR+	1074	8302	HD	11.895	linear - vertical	DVB-S2	29.7	2/3
42	WARNER TV	1102	6506	HD	12.441	linear - vertical	DVB-S2	29.7	2/3
43	SERIE CLUB	1102	6505	HD	12.441	linear - vertical	DVB-S2	29.7	2/3
44	MTV	1070	8004	HD	11.817	linear - vertical	DVB-S2	29.7	2/3
45	ELLE GIRL	1076	8903	HD	11.934	linear - vertical	DVB-S2	29.7	2/3
46	NON STOP PEOPLE	1084	9405	HD	12.090	linear - vertical	DVB-S2	29.7	2/3
47	NOVELAS TV	1092	6602	HD	12.246	linear - vertical	DVB-S2	29.7	2/3
48	MCM	1100	8714	HD	12.402	linear - vertical	DVB-S2	29.7	2/3
49	GAME ONE	1084	9415	HD	12.090	linear - vertical	DVB-S2	29.7	2/3
50	J-ONE	1086	9906	HD	12.129	linear - vertical	DVB-S2	29.7	2/3
51	MANGAS	1094	17031	HD	12.285	linear - vertical	DVB-S2	29.7	2/3
52	AB1	1094	17021	HD	12.285	linear - vertical	DVB-S2	29.7	2/3
53	TV BREIZH	1100	8705	HD	12.402	linear - vertical	DVB-S2	29.7	2/3
54	TEVA	1086	9905	HD	12.129	linear - vertical	DVB-S2	29.7	2/3
55	PARIS PREMIERE	1090	9004	HD	12.207	linear - vertical	DVB-S2	29.7	2/3
56	RTL9	1094	17035	HD	12.285	linear - vertical	DVB-S2	29.7	2/3
57	BET	1070	8001	HD	11.817	linear - vertical	DVB-S2	29.7	2/3
58	C8	1090	9012	HD	12.207	linear - vertical	DVB-S2	29.7	2/3
59	W9	1088	9304	HD	12.168	linear - vertical	DVB-S2	29.7	2/3
60	TMC	1072	8213	HD	11.856	linear - vertical	DVB-S2	29.7	2/3
61	TFX	1072	8212	HD	11.856	linear - vertical	DVB-S2	29.7	2/3
62	NRJ 12	1072	8214	HD	11.856	linear - vertical	DVB-S2	29.7	2/3
63	FRANCE 4	1100	8701	HD	12.402	linear - vertical	DVB-S2	29.7	2/3
64	CSTAR	1090	9013	HD	12.207	linear - vertical	DVB-S2	29.7	2/3
65	FRANCE O	1074	8322	HD	11.895	linear - vertical	DVB-S2	29.7	2/3
66	TF1 SERIES FILMS	1090	9003	HD	12.207	linear - vertical	DVB-S2	29.7	2/3
67	6TER	1070	8011	HD	11.817	linear - vertical	DVB-S2	29.7	2/3
68	RMC STORY	1074	8309	HD	11.895	linear - vertical	DVB-S2	29.7	2/3
69	CHERIE 25	1108	12140	HD	12.55150	linear - vertical	DVB-S	22	5/6
71	TV5 MONDE	1086	9910	HD	12.129	linear - vertical	DVB-S2	29.7	2/3
75	MY ZEN TV	1084	9407	HD	12.090	linear - vertical	DVB-S2	29.7	2/3
77	QVC	1048	4330	HD	11.18550	linear - vertical	DVB-S	22	5/6
78	M6 BOUTIQUE	1072	8206	HD	11.856	linear - vertical	DVB-S2	29.7	2/3
80	PLANETE+	1090	9006	HD	12.207	linear - vertical	DVB-S2	29.7	2/3

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81	PLANETE+ CI	1084	9409	HD	12.090	linear - vertical	DVB-S2	29.7	2/3
82	PLANETE+ A&E	1086	9912	HD	12.129	linear - vertical	DVB-S2	29.7	2/3
83	VICELAND	1072	8207	HD	11.856	linear - vertical	DVB-S2	29.7	2/3
84	MUSEUM	1086	9901	HD	12.129	linear - vertical	DVB-S2	29.7	2/3
85	NATIONAL GEO	1090	9002	HD	12.207	linear - vertical	DVB-S2	29.7	2/3
86	NAT GEO WILD	1102	6501	HD	12.441	linear - vertical	DVB-S2	29.7	2/3
87	VOYAGE	1092	6605	HD	12.246	linear - vertical	DVB-S2	29.7	2/3
88	USHUAIA TV	1088	9305	HD	12.168	linear - vertical	DVB-S2	29.7	2/3
89	HISTOIRE	1070	8006	HD	11.817	linear - vertical	DVB-S2	29.7	2/3
90	TOUTE L'HISTOIRE	1094	17026	HD	12.285	linear - vertical	DVB-S2	29.7	2/3
91	SCIENCE ET VIE TV	1094	17023	HD	12.285	linear - vertical	DVB-S2	29.7	2/3
92	ANIMAUX	1094	17022	HD	12.285	linear - vertical	DVB-S2	29.7	2/3
93	TREK	1094	17025	HD	12.285	linear - vertical	DVB-S2	29.7	2/3
94	SEASONS	1092	6610	HD	12.246	linear - vertical	DVB-S2	29.7	2/3
95	CHASSE ET PECHE	1094	17036	HD	12.285	linear - vertical	DVB-S2	29.7	2/3
96	MB LIVE	1002	5081	HD	11.229	linear - vertical	DVB-S2	22	2/3
98	RMC DECOUVERTE	1026	10079	HD	11.597	linear - vertical	DVB-S	22	5/6
100	LA CHAINE METEO	1074	8311	HD	11.895	linear - vertical	DVB-S2	29.7	2/3
101	CNEWS	1090	9014	HD	12.207	linear - vertical	DVB-S2	29.7	2/3
102	BFM TV	1074	8301	HD	11.895	linear - vertical	DVB-S2	29.7	2/3
103	LCI	1090	9009	HD	12.207	linear - vertical	DVB-S2	29.7	2/3
104	FRANCEINFO:	1070	8005	HD	11.817	linear - vertical	DVB-S2	29.7	2/3
105	EURONEWS	1091	31220	SD	12.22650	linear - horizontal	DVB-S	27.5	3/4
106	FRANCE 24	1022	6905	SD	11.538	linear - vertical	DVB-S	22	5/6
107	LCP	1090	9015	HD	12.207	linear - vertical	DVB-S2	29.7	2/3
108	BFM BUSINESS	1074	8303	HD	11.895	linear - vertical	DVB-S2	29.7	2/3
109	BLOOMBERG TV	1026	10067	SD	11.597	linear - vertical	DVB-S	22	5/6
110	CNN INT.	1028	4422	SD	11.62650	linear - vertical	DVB-S	22	5/6
111	BBC WORLD NEWS	1002	5001	HD	11.229	linear - vertical	DVB-S2	22	2/3
112	CNBC	1026	10030	SD	11.597	linear - vertical	DVB-S	22	5/6
113	I24 NEWS	1040	31307	SD	11.06750	linear - vertical	DVB-S	22	5/6
120	INFOSPORT+	1090	9010	HD	12.207	linear - vertical	DVB-S2	29.7	2/3
121	EUROSPORT 1	1088	9313	HD	12.168	linear - vertical	DVB-S2	29.7	2/3
122	EUROSPORT 2	1084	9406	HD	12.090	linear - vertical	DVB-S2	29.7	2/3
132	ONZEO	1086	9909	HD	12.129	linear - vertical	DVB-S2	29.7	2/3
133	OL TV	1070	8014	HD	11.817	linear - vertical	DVB-S2	29.7	2/3
134	AUTOMOTO LA CHAINE	1094	17020	HD	12.285	linear - vertical	DVB-S2	29.7	2/3
135	EQUIDIA	1092	6612	HD	12.246	linear - vertical	DVB-S2	29.7	2/3
137	EXTREME SPORTS	1102	6509	HD	12.441	linear - vertical	DVB-S2	29.7	2/3
138	L'EQUIPE	1074	8310	HD	11.895	linear - vertical	DVB-S2	29.7	2/3
150	DISNEY JUNIOR	1076	8906	HD	11.934	linear - vertical	DVB-S2	29.7	2/3
151	PIWI+	1102	6510	HD	12.441	linear - vertical	DVB-S2	29.7	2/3
152	NICKELODEON JUNIOR	1076	8912	HD	11.934	linear - vertical	DVB-S2	29.7	2/3
154	TIJI	1100	8707	HD	12.402	linear - vertical	DVB-S2	29.7	2/3
155	BOOMERANG	1090	9011	HD	12.207	linear - vertical	DVB-S2	29.7	2/3
156	CARTOON NETWORK	1086	9908	HD	12.129	linear - vertical	DVB-S2	29.7	2/3
157	NICKELODEON	1070	8008	HD	11.817	linear - vertical	DVB-S2	29.7	2/3
158	NICKELODEON+1	1072	8208	HD	11.856	linear - vertical	DVB-S2	29.7	2/3
159	TELETOON+	1084	9411	HD	12.090	linear - vertical	DVB-S2	29.7	2/3
160	TELETOON+1	1084	9412	HD	12.090	linear - vertical	DVB-S2	29.7	2/3
161	DISNEY XD	1084	9401	HD	12.090	linear - vertical	DVB-S2	29.7	2/3
162	CANAL J	1102	6511	HD	12.441	linear - vertical	DVB-S2	29.7	2/3
163	BOING	1090	9005	HD	12.207	linear - vertical	DVB-S2	29.7	2/3
164	TOONAMI	1086	9922	HD	12.129	linear - vertical	DVB-S2	29.7	2/3
165	NICKELODEON TEEN	1102	6512	HD	12.441	linear - vertical	DVB-S2	29.7	2/3
166	DISNEY CHANNEL	1090	9007	HD	12.207	linear - vertical	DVB-S2	29.7	2/3
167	DISNEY CHANNEL+1	1084	9408	HD	12.090	linear - vertical	DVB-S2	29.7	2/3
168	BABY TV	1092	6622	HD	12.246	linear - vertical	DVB-S2	29.7	2/3
169	GULLI	1074	8323	HD	11.895	linear - vertical	DVB-S2	29.7	2/3
170	CLIQUE TV	1076	8901	HD	11.934	linear - vertical	DVB-S2	29.7	2/3
171	CSTAR HITS FRANCE	1084	9410	HD	12.090	linear - vertical	DVB-S2	29.7	2/3
172	MTV HITS	1070	8003	HD	11.817	linear - vertical	DVB-S2	29.7	2/3
174	M6 MUSIC	1102	6503	HD	12.441	linear - vertical	DVB-S2	29.7	2/3
175	NRJ HITS	1072	8204	HD	11.856	linear - vertical	DVB-S2	29.7	2/3
176	TRACE URBAN	1084	9414	HD	12.090	linear - vertical	DVB-S2	29.7	2/3

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177	MCM TOP	1100	8713	HD	12.402	linear - vertical	DVB-S2	29.7	2/3
178	RFM TV	1100	8706	HD	12.402	linear - vertical	DVB-S2	29.7	2/3
179	MELODY	1100	8710	HD	12.402	linear - vertical	DVB-S2	29.7	2/3
181	MEZZO	1070	8010	HD	11.817	linear - vertical	DVB-S2	29.7	2/3
182	MEZZO LIVE	1102	6502	HD	12.441	linear - vertical	DVB-S2	29.7	2/3
183	BRAVA	1092	6613	HD	12.246	linear - vertical	DVB-S2	29.7	2/3
184	DJAZZ	1102	6504	HD	12.441	linear - vertical	DVB-S2	29.7	2/3
200	NOLLYWOOD TV	1100	8711	HD	12.402	linear - vertical	DVB-S2	29.7	2/3
201	A+	1070	8002	HD	11.817	linear - vertical	DVB-S2	29.7	2/3
202	TRACE AFRICA	1070	8012	HD	11.817	linear - vertical	DVB-S2	29.7	2/3
211	XXL	1094	17024	HD	12.285	linear - vertical	DVB-S2	29.7	2/3
212	DORCEL TV	1100	8709	HD	12.402	linear - vertical	DVB-S2	29.7	2/3
213	DORCEL XXX	1100	8708	HD	12.402	linear - vertical	DVB-S2	29.7	2/3
214	LIBIDO TV	1092	6607	HD	12.246	linear - vertical	DVB-S2	29.7	2/3
216	PENTHOUSE	1086	9907	HD	12.129	linear - vertical	DVB-S2	29.7	2/3
217	PENTHOUSE BLACK	1092	6608	HD	12.246	linear - vertical	DVB-S2	29.7	2/3
218	COLMAX TV	1084	9413	HD	12.090	linear - vertical	DVB-S2	29.7	2/3
219	PINK X	1070	8009	HD	11.817	linear - vertical	DVB-S2	29.7	2/3
220	MAN X	1102	6507	HD	12.441	linear - vertical	DVB-S2	29.7	2/3
251	FOOT+ 24/24	1100	8712	HD	12.402	linear - vertical	DVB-S2	29.7	2/3
252	GOLF+	1086	9903	HD	12.129	linear - vertical	DVB-S2	29.7	2/3
253	MULTISPORTS 1	1070	8013	HD	11.817	linear - vertical	DVB-S2	29.7	2/3
254	MULTISPORTS 2	1076	8913	HD	11.934	linear - vertical	DVB-S2	29.7	2/3
255	MULTISPORTS 3	1102	6513	HD	12.441	linear - vertical	DVB-S2	29.7	2/3
256	MULTISPORTS 4	1100	8715	HD	12.402	linear - vertical	DVB-S2	29.7	2/3
257	MULTISPORTS 5	1086	9921	HD	12.129	linear - vertical	DVB-S2	29.7	2/3
258	MULTISPORTS 6	1092	6621	HD	12.246	linear - vertical	DVB-S2	29.7	2/3
350	F3 ALPES	1120	9808	SD	12.72850	linear - vertical	DVB-S2	22	2/3
351	F3 ALSACE	1120	9810	SD	12.72850	linear - vertical	DVB-S2	22	2/3
352	F3 AQUITAINE	1120	9815	SD	12.72850	linear - vertical	DVB-S2	22	2/3
353	F3 AUVERGNE	1120	9816	SD	12.72850	linear - vertical	DVB-S2	22	2/3
354	F3 BNORMANDIE	1120	9801	SD	12.72850	linear - vertical	DVB-S2	22	2/3
355	F3 BOURGOGNE	1120	9805	SD	12.72850	linear - vertical	DVB-S2	22	2/3
356	F3 BRETAGNE	1120	9817	SD	12.72850	linear - vertical	DVB-S2	22	2/3
357	F3 CENTRE	1120	9804	SD	12.72850	linear - vertical	DVB-S2	22	2/3
358	F3 CHAMP ARDENNE	1120	9807	SD	12.72850	linear - vertical	DVB-S2	22	2/3
359	F3 CORSEVIATELLA	1120	9812	SD	12.72850	linear - vertical	DVB-S2	22	2/3
360	F3 COTE D'AZUR	1120	9803	SD	12.72850	linear - vertical	DVB-S2	22	2/3
361	F3 FRANCHE COMTE	1120	9824	SD	12.72850	linear - vertical	DVB-S2	22	2/3
362	F3 HNORMANDIE	1120	9814	SD	12.72850	linear - vertical	DVB-S2	22	2/3
363	F3 LANGUEDOCROU	1120	9811	SD	12.72850	linear - vertical	DVB-S2	22	2/3
364	F3 LIMOUSIN	1120	9818	SD	12.72850	linear - vertical	DVB-S2	22	2/3
365	F3 LORRAINE	1120	9819	SD	12.72850	linear - vertical	DVB-S2	22	2/3
366	F3 MIDI PYRENEES	1120	9820	SD	12.72850	linear - vertical	DVB-S2	22	2/3
367	F3 NORD PDC	1120	9809	SD	12.72850	linear - vertical	DVB-S2	22	2/3
368	F3 PARIS IDF	1120	9821	SD	12.72850	linear - vertical	DVB-S2	22	2/3
369	F3 PAYS DE LA LOIRE	1120	9802	SD	12.72850	linear - vertical	DVB-S2	22	2/3
370	F3 PICARDIE	1120	9822	SD	12.72850	linear - vertical	DVB-S2	22	2/3
371	F3 POITOUCHAR	1120	9806	SD	12.72850	linear - vertical	DVB-S2	22	2/3
372	F3 PROV ALPES	1120	9813	SD	12.72850	linear - vertical	DVB-S2	22	2/3
373	F3 RHONE ALPES	1120	9823	SD	12.72850	linear - vertical	DVB-S2	22	2/3
400	AL JAZEERA ARABE	1020	7009	SD	11.50850	linear - vertical	DVB-S	22	5/6
401	FRANCE 24 ARABE	1022	6910	SD	11.538	linear - vertical	DVB-S	22	5/6
403	CANAL ALGERIE	1026	10083	SD	11.597	linear - vertical	DVB-S	22	5/6
404	ALGERIE 3	1026	11082	SD	11.597	linear - vertical	DVB-S	22	5/6
407	FRANCE 24 ENG	1022	6906	SD	11.538	linear - vertical	DVB-S	22	5/6
408	AL JAZEERA ENG	1002	5031	HD	11.229	linear - vertical	DVB-S2	22	2/3
409	SKY NEWS	1111	7290	SD	12.60375	linear - horizontal	DVB-S	22	5/6
415	TV RECORD	1040	31301	SD	11.06750	linear - vertical	DVB-S	22	5/6
416	TELESUR	1040	31304	SD	11.06750	linear - vertical	DVB-S	22	5/6
418	TVE INTERNATIONAL	1028	4401	SD	11.62650	linear - vertical	DVB-S	22	5/6
419	24 HORAS	1028	4402	SD	11.62650	linear - vertical	DVB-S	22	5/6
420	ANDALUCIA TV	1046	30505	SD	11.156	linear - vertical	DVB-S	22	5/6
421	TV GALICIA	1040	31306	SD	11.06750	linear - vertical	DVB-S	22	5/6
422	EXTREMADURA SATELITE	1012	6384	SD	11.37650	linear - vertical	DVB-S2	22	2/3

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423	CUBA VISION	1020	7008	SD	11.50850	linear - vertical	DVB-S	22	5/6	
424	BVN	1048	4320	SD	11.18550	linear - vertical	DVB-S	22	5/6	
426	DEUTSCHE WELLE	1028	4430	SD	11.62650	linear - vertical	DVB-S	22	5/6	
427	RTL TELEVISION	1089	12003	SD	12.18750	linear - horizontal	DVB-S	27.5	3/4	
428	RTL 2	1089	12020	SD	12.18750	linear - horizontal	DVB-S	27.5	3/4	
429	SUPER RTL	1089	12040	SD	12.18750	linear - horizontal	DVB-S	27.5	3/4	
430	DAS ERSTE	1019	10301	HD	11.49375	linear - horizontal	DVB-S2	22	2/3	
431	TAGESSCHAU 24	1039	10375	HD	11.05275	linear - horizontal	DVB-S2	22	2/3	
433	ONE	1039	10376	HD	11.05275	linear - horizontal	DVB-S2	22	2/3	
434	BAYERISCHES FS	1025	10325	HD	11.58225	linear - horizontal	DVB-S2	22	2/3	
435	BR ALPHA	1093	28487	SD	12.26550	linear - horizontal	DVB-S	27.5	3/4	
436	RBB BERLIN	1061	10351	HD	10.89125	linear - horizontal	DVB-S2	22	2/3	
437	HR FERNSEHEN	1061	10355	HD	10.89125	linear - horizontal	DVB-S2	22	2/3	
438	MDR FERNSEHEN	1061	10353	HD	10.89125	linear - horizontal	DVB-S2	22	2/3	
439	NDR	1025	10327	HD	11.58225	linear - horizontal	DVB-S2	22	2/3	
440	RBB BRANDENBURG	1073	28205	SD	12.10950	linear - horizontal	DVB-S	27.5	3/4	
441	PHOENIX	1025	10331	HD	11.58225	linear - horizontal	DVB-S2	22	2/3	
442	SR FERNSEHEN	1039	10378	HD	11.05275	linear - horizontal	DVB-S2	22	2/3	
443	WDR	1201	28325	HD	12.42150	linear - horizontal	DVB-S	27.5	3/4	
444	3 SAT	1010	11150	HD	11.347	linear - vertical	DVB-S2	22	2/3	
445	KIKA	1010	11160	HD	11.347	linear - vertical	DVB-S2	22	2/3	
446	ARTE ALLEMAND	1019	10302	HD	11.49375	linear - horizontal	DVB-S2	22	2/3	
447	EURONEWS ALL	1091	31230	SD	12.22650	linear - horizontal	DVB-S	27.5	3/4	
448	ZDF INFO	1010	11170	HD	11.347	linear - vertical	DVB-S2	22	2/3	
450	ZDF NEO	1011	11130	HD	11.36175	linear - horizontal	DVB-S2	22	2/3	
451	SPORT 1	33	900	SD	12.480	linear - vertical	DVB-S	27.5	3/4	
452	KABEL 1	1107	17502	SD	12.54475	linear - horizontal	DVB-S	22	5/6	
453	SIXX	1107	17504	SD	12.54475	linear - horizontal	DVB-S	22	5/6	
454	N24	1107	17503	SD	12.54475	linear - horizontal	DVB-S	22	5/6	
455	SAT 1	1107	17500	SD	12.54475	linear - horizontal	DVB-S	22	5/6	
456	PRO SIEBEN	1107	17501	SD	12.54475	linear - horizontal	DVB-S	22	5/6	
457	VOX	1089	12060	SD	12.18750	linear - horizontal	DVB-S	27.5	3/4	
458	N-TV	1089	12090	SD	12.18750	linear - horizontal	DVB-S	27.5	3/4	
459	TELE 5	33	51	SD	12.480	linear - vertical	DVB-S	27.5	3/4	
460	SONNENKLAR	33	32	SD	12.480	linear - vertical	DVB-S	27.5	3/4	
461	VIVA	1078	28676	SD	11.973	linear - vertical	DVB-S	27.5	3/4	
463	SONLIFE	1026	10080	SD	11.597	linear - vertical	DVB-S	22	5/6	
464	GOD TV	7	774	SD	12.14850	linear - horizontal	DVB-S	27.5	3/4	
466	EWTN	5	62	SD	12.46050	linear - horizontal	DVB-S	27.5	3/4	
467	TV TRWAM	1048	4310	SD	11.18550	linear - vertical	DVB-S	22	5/6	
469	CGTN DOCUMENTARY	1022	6912	SD	11.538	linear - vertical	DVB-S	22	5/6	
470	CGTN	1022	6914	SD	11.538	linear - vertical	DVB-S	22	5/6	
471	CGTN FRANCAIS	1022	6913	SD	11.538	linear - vertical	DVB-S	22	5/6	
472	ARIRANG TV	1020	7011	SD	11.50850	linear - vertical	DVB-S	22	5/6	
473	NHK WORLD-JAPAN	1002	5021	HD	11.229	linear - vertical	DVB-S2	22	2/3	
475	TRT TURK	1027	5113	SD	11.61175	linear - horizontal	DVB-S	22	5/6	
476	TRT WORLD	1022	6918	HD	11.538	linear - vertical	DVB-S	22	5/6	
600	FRANCE CULTURE	1098	9158	HD	12.363	linear - vertical	DVB-S	27.5	3/4	
601	FRANCE MUSIQUE	1098	9154	HD	12.363	linear - vertical	DVB-S	27.5	3/4	
602	FIP	1098	9155	HD	12.363	linear - vertical	DVB-S	27.5	3/4	
603	FRANCE INFO	1098	9156	HD	12.363	linear - vertical	DVB-S	27.5	3/4	
604	FRANCE INTER	1098	9157	HD	12.363	linear - vertical	DVB-S	27.5	3/4	
605	FRANCE BLEU	1098	9159	HD	12.363	linear - vertical	DVB-S	27.5	3/4	
606	MOUV'	1098	9153	HD	12.363	linear - vertical	DVB-S	27.5	3/4	
608	RFI INTERNAT	1098	9163	HD	12.363	linear - vertical	DVB-S	27.5	3/4	
610	EUROPE 1	1098	9166	HD	12.363	linear - vertical	DVB-S	27.5	3/4	
611	VIRGIN RADIO	1098	9184	HD	12.363	linear - vertical	DVB-S	27.5	3/4	
612	RFM	1098	9183	HD	12.363	linear - vertical	DVB-S	27.5	3/4	
613	RTL	1098	9165	HD	12.363	linear - vertical	DVB-S	27.5	3/4	
614	RTL2	1098	9186	HD	12.363	linear - vertical	DVB-S	27.5	3/4	
615	FUN RADIO	1098	9140	HD	12.363	linear - vertical	DVB-S	27.5	3/4	
616	NRJ	1098	9182	HD	12.363	linear - vertical	DVB-S	27.5	3/4	
617	CHERIE FM	1098	9185	HD	12.363	linear - vertical	DVB-S	27.5	3/4	
618	RIRE & CHANSONS	1098	9168	HD	12.363	linear - vertical	DVB-S	27.5	3/4	
619	NOSTALGIE	1098	9181	HD	12.363	linear - vertical	DVB-S	27.5	3/4	

CANALSAT	CANALSAT	CANALSAT	CANALSAT	CANALSAT	CANALSAT	CANALSAT	CANALSAT	CANALSAT	CANALSAT
620	RMC	1098	9167	HD	12.363	linear - vertical	DVB-S	27.5	3/4
621	BFM BUSINESS	1098	9111	HD	12.363	linear - vertical	DVB-S	27.5	3/4
622	SUD RADIO	1098	9109	HD	12.363	linear - vertical	DVB-S	27.5	3/4
623	TSF JAZZ	1098	9175	HD	12.363	linear - vertical	DVB-S	27.5	3/4
624	NOVA	1098	9178	HD	12.363	linear - vertical	DVB-S	27.5	3/4
625	RADIO FG	1098	9179	HD	12.363	linear - vertical	DVB-S	27.5	3/4
627	CONTACT FM	1098	9180	HD	12.363	linear - vertical	DVB-S	27.5	3/4
629	JAZZ RADIO	1098	9177	HD	12.363	linear - vertical	DVB-S	27.5	3/4
630	SKYROCK	1098	9187	HD	12.363	linear - vertical	DVB-S	27.5	3/4
631	RADIO CLASSIQUE	1098	9164	HD	12.363	linear - vertical	DVB-S	27.5	3/4
633	OUI FM	1098	9176	HD	12.363	linear - vertical	DVB-S	27.5	3/4
635	RADIO NOTRE DAME	1098	9194	HD	12.363	linear - vertical	DVB-S	27.5	3/4
638	BEUR FM	1098	9198	HD	12.363	linear - vertical	DVB-S	27.5	3/4
639	BBCW SERVICE	1098	9142	HD	12.363	linear - vertical	DVB-S	27.5	3/4
640	BBC ARABIC	1098	9143	HD	12.363	linear - vertical	DVB-S	27.5	3/4