

**Votre client est équipé d'un décodeur TNT SAT HD**

PLAN DE FREQUENCES TNTSAT										
TECHNIQUE										
TNTSAT HD (CANAL READY)	ZAPBAND	TSID	SID	TYPE	CLAIR	FREQ.	POLAR.	MODUL.	D.Symb.	FEC
1	TF1	1090	9001	HD	NON	12.207	linear - vertical	DVB-S2	29.7	5/6
2	FRANCE 2	1088	9306	HD	NON	12.168	linear - vertical	DVB-S2	29.7	2/3
3	FRANCE 3	1088	9309	HD	NON	12.168	linear - vertical	DVB-S2	29.7	2/3
4	CANAL+	1076	8909	HD	NON	11.934	linear - vertical	DVB-S2	29.7	5/6
5	FRANCE 5	1090	9008	HD	NON	12.207	linear - vertical	DVB-S2	29.7	5/6
6	M6	1088	9303	HD	NON	12.168	linear - vertical	DVB-S2	29.7	2/3
7	ARTE	1074	8321	HD	NON	11.895	linear - vertical	DVB-S2	29.7	5/6
8	C8	1090	9012	HD	NON	12.207	linear - vertical	DVB-S2	29.7	5/6
9	W9	1088	9304	HD	NON	12.168	linear - vertical	DVB-S2	29.7	2/3
10	TMC	1100	8703	HD	NON	12.402	linear - vertical	DVB-S2	29.7	5/6
11	NT1	1100	8702	HD	NON	12.402	linear - vertical	DVB-S2	29.7	5/6
12	NRJ 12	1100	8704	HD	NON	12.402	linear - vertical	DVB-S2	29.7	5/6
13	LCP	1088	9310	HD	OUI	12.168	linear - vertical	DVB-S2	29.7	2/3
14	FRANCE 4	1100	8701	HD	NON	12.402	linear - vertical	DVB-S2	29.7	5/6
15	BFM TV	1074	8301	HD	OUI	11.895	linear - vertical	DVB-S2	29.7	5/6
16	CNEWS	1080	8810	HD	OUI	12.012	linear - vertical	DVB-S2	29.7	5/6
17	CSTAR	1088	9308	HD	NON	12.168	linear - vertical	DVB-S2	29.7	2/3
18	GULLI	1074	8323	HD	NON	11.895	linear - vertical	DVB-S2	29.7	5/6
19	FRANCE O	1074	8322	HD	NON	11.895	linear - vertical	DVB-S2	29.7	5/6
20	HD1	1090	9003	HD	NON	12.207	linear - vertical	DVB-S2	29.7	5/6
21	L'EQUIPE	1088	9301	HD	NON	12.168	linear - vertical	DVB-S2	29.7	2/3
22	6TER	1070	8011	HD	NON	11.817	linear - vertical	DVB-S2	29.7	5/6
23	NUMERO 23	1074	8309	HD	NON	11.895	linear - vertical	DVB-S2	29.7	5/6
24	RMC DECOUVERTE	1026	10079	HD	NON	11.597	linear - vertical	DVB-S	22	5/6
25	CHERIE 25	1108	12140	HD	NON	12.55150	linear - vertical	DVB-S	22	5/6
26	LCI	1090	9009	HD	OUI	12.207	linear - vertical	DVB-S2	29.7	5/6
27	FRANCEINFO:	1070	8005	HD	NON	11.817	linear - vertical	DVB-S2	29.7	5/6
31	PARIS PREMIERE	1090	9004	HD	NON	12.207	linear - vertical	DVB-S2	29.7	5/6
32	CANAL+ SPORT	1080	8804	HD	NON	12.012	linear - vertical	DVB-S2	29.7	5/6
33	CANAL+	1080	8801	HD	NON	12.012	linear - vertical	DVB-S2	29.7	5/6
40	FRANCE 24	1022	6905	SD	OUI	11.538	linear - vertical	DVB-S	22	5/6
41	EURONEWS	1091	31220	SD	OUI	12.22650	linear - horizontal	DVB-S	27.5	3/4
42	TV5 MONDE	1086	9910	HD	OUI	12.129	linear - vertical	DVB-S2	29.7	5/6

100	RADIO									
TNTSAT HD (CANAL READY)	ZAPBAND	TSID	SID	TYPE	CLAIR	FREQ.	POLAR.	MODUL.	D.Symb.	FEC
100	FRANCE CULTURE	1098	9158	HD	OUI	12.363	linear - vertical	DVB-S	27.5	3/4
101	FRANCE MUSIQUE	1098	9154	HD	OUI	12.363	linear - vertical	DVB-S	27.5	3/4
102	FIP	1098	9155	HD	OUI	12.363	linear - vertical	DVB-S	27.5	3/4
103	FRANCE INFO	1098	9156	HD	OUI	12.363	linear - vertical	DVB-S	27.5	3/4
104	FRANCE INTER	1098	9157	HD	OUI	12.363	linear - vertical	DVB-S	27.5	3/4
105	FRANCE BLEU	1098	9159	HD	OUI	12.363	linear - vertical	DVB-S	27.5	3/4
106	MOUV'	1098	9153	HD	OUI	12.363	linear - vertical	DVB-S	27.5	3/4
107	MC DOUALIYA	1098	9110	HD	OUI	12.363	linear - vertical	DVB-S	27.5	3/4
108	RFI INTERNAT	1098	9163	HD	OUI	12.363	linear - vertical	DVB-S	27.5	3/4
110	EUROPE 1	1098	9166	HD	OUI	12.363	linear - vertical	DVB-S	27.5	3/4
111	VIRGIN RADIO	1098	9184	HD	OUI	12.363	linear - vertical	DVB-S	27.5	3/4
112	RFM	1098	9183	HD	OUI	12.363	linear - vertical	DVB-S	27.5	3/4
113	RTL	1098	9165	HD	OUI	12.363	linear - vertical	DVB-S	27.5	3/4
114	RTL2	1098	9186	HD	OUI	12.363	linear - vertical	DVB-S	27.5	3/4
115	FUN RADIO	1098	9140	HD	OUI	12.363	linear - vertical	DVB-S	27.5	3/4
117	NRJ	1098	9182	HD	OUI	12.363	linear - vertical	DVB-S	27.5	3/4
118	CHERIE FM	1098	9185	HD	OUI	12.363	linear - vertical	DVB-S	27.5	3/4
119	RIRE & CHANSONS	1098	9168	HD	OUI	12.363	linear - vertical	DVB-S	27.5	3/4
120	NOSTALGIE	1098	9181	HD	OUI	12.363	linear - vertical	DVB-S	27.5	3/4
121	RMC	1098	9167	HD	OUI	12.363	linear - vertical	DVB-S	27.5	3/4
122	BFM BUSINESS	1098	9111	HD	OUI	12.363	linear - vertical	DVB-S	27.5	3/4
123	SUD RADIO	1098	9109	HD	OUI	12.363	linear - vertical	DVB-S	27.5	3/4
124	TSF JAZZ	1098	9175	HD	OUI	12.363	linear - vertical	DVB-S	27.5	3/4
125	NOVA	1098	9178	HD	OUI	12.363	linear - vertical	DVB-S	27.5	3/4
126	RADIO FG	1098	9179	HD	OUI	12.363	linear - vertical	DVB-S	27.5	3/4
128	CONTACT FM	1098	9180	HD	OUI	12.363	linear - vertical	DVB-S	27.5	3/4
130	JAZZ RADIO	1098	9177	HD	OUI	12.363	linear - vertical	DVB-S	27.5	3/4
131	SKYROCK	1098	9187	HD	OUI	12.363	linear - vertical	DVB-S	27.5	3/4
132	RADIO CLASSIQUE	1098	9164	HD	OUI	12.363	linear - vertical	DVB-S	27.5	3/4
134	OUI FM	1098	9176	HD	OUI	12.363	linear - vertical	DVB-S	27.5	3/4
137	RADIO NOTRE DAME	1098	9194	HD	OUI	12.363	linear - vertical	DVB-S	27.5	3/4
138	RADIO ALFA	1098	9195	HD	OUI	12.363	linear - vertical	DVB-S	27.5	3/4
140	BEUR FM	1098	9198	HD	OUI	12.363	linear - vertical	DVB-S	27.5	3/4
143	BBCW SERVICE	1098	9142	HD	OUI	12.363	linear - vertical	DVB-S	27.5	3/4
144	BBC ARABIC	1098	9143	HD	OUI	12.363	linear - vertical	DVB-S	27.5	3/4
146	RADIO COURTOISIE	1098	9141	HD	OUI	12.363	linear - vertical	DVB-S	27.5	3/4

300	France 3 Région									
301	F3 ALPES	1120	9808	SD	NON	12.72850	linear - vertical	DVB-S2	22	2/3
302	F3 ALSACE	1120	9810	SD	NON	12.72850	linear - vertical	DVB-S2	22	2/3
304	F3 AUVERGNE	1120	9816	SD	NON	12.72850	linear - vertical	DVB-S2	22	2/3
305	F3 BNORMANDIE	1120	9801	SD	NON	12.72850	linear - vertical	DVB-S2	22	2/3
306	F3 BOURGOGNE	1120	9805	SD	NON	12.72850	linear - vertical	DVB-S2	22	2/3
307	F3 BRETAGNE	1120	9817	SD	NON	12.72850	linear - vertical	DVB-S2	22	2/3
308	F3 CENTRE	1120	9804	SD	NON	12.72850	linear - vertical	DVB-S2	22	2/3
309	F3 CHAMP ARDENNE	1120	9807	SD	NON	12.72850	linear - vertical	DVB-S2	22	2/3
310	F3 CORSEVIATELLA	1120	9812	SD	NON	12.72850	linear - vertical	DVB-S2	22	2/3
311	F3 COTE D'AZUR	1120	9803	SD	NON	12.72850	linear - vertical	DVB-S2	22	2/3
312	F3 FRANCHE COMTE	1120	9824	SD	NON	12.72850	linear - vertical	DVB-S2	22	2/3
313	F3 HNORMANDIE	1120	9814	SD	NON	12.72850	linear - vertical	DVB-S2	22	2/3
314	F3 LANGUEDOCROU	1120	9811	SD	NON	12.72850	linear - vertical	DVB-S2	22	2/3
315	F3 LIMOUSIN	1120	9818	SD	NON	12.72850	linear - vertical	DVB-S2	22	2/3
316	F3 LORRAINE	1120	9819	SD	NON	12.72850	linear - vertical	DVB-S2	22	2/3
317	F3 MIDI PYRENEES	1120	9820	SD	NON	12.72850	linear - vertical	DVB-S2	22	2/3
318	F3 NORD PDC	1120	9809	SD	NON	12.72850	linear - vertical	DVB-S2	22	2/3
319	F3 PARIS IDF	1120	9821	SD	NON	12.72850	linear - vertical	DVB-S2	22	2/3
320	F3 PAYS DE LOIRE	1120	9802	SD	NON	12.72850	linear - vertical	DVB-S2	22	2/3
321	F3 PICARDIE	1120	9822	SD	NON	12.72850	linear - vertical	DVB-S2	22	2/3
322	F3 POITOUCHAR	1120	9806	SD	NON	12.72850	linear - vertical	DVB-S2	22	2/3
323	F3 PROV ALPES	1120	9813	SD	NON	12.72850	linear - vertical	DVB-S2	22	2/3
324	F3 RHONE ALPES	1120	9823	SD	NON	12.72850	linear - vertical	DVB-S2	22	2/3

**Votre client a également accès à toutes les chaînes en clair disponibles sur ASTRA 19.2°E**

	ZAPBAND	TSID	SID	TYPE	CLAIR	FREQ.	POLAR.	MODUL.	D.Symb.	FEC
Nouvelle chaîne	MONT-BLANC LIVE	1002	5081	SD	OUI	11.229	linear - vertical	DVB-S2	22	2/3
Nouvelle chaîne	EURONEWS ALL	1091	31230	SD	OUI	12.22650	linear - horizontal	DVB-S	27.5	3/4
Nouvelle chaîne	I24 NEWS	1040	31307	SD	OUI	11.06750	linear - vertical	DVB-S	22	5/6
	24 HORAS	1028	4402	SD	OUI	11.62650	linear - vertical	DVB-S	22	5/6
	3 SAT	1010	11150	HD	OUI	11.347	linear - vertical	DVB-S2	22	2/3
	AL JAZEERA ARABE	1020	7009	SD	OUI	11.50850	linear - vertical	DVB-S	22	5/6
	AL JAZEERA ENG	1002	5031	HD	OUI	11.229	linear - vertical	DVB-S2	22	2/3
	ALGERIE 3	1026	10082	SD	OUI	11.597	linear - vertical	DVB-S	22	5/6
	ANDALUCIA TV	1046	30505	SD	OUI	11.156	linear - vertical	DVB-S	22	5/6
	ARIRANG TV	1020	7011	SD	OUI	11.50850	linear - vertical	DVB-S	22	5/6
	ARTE ALLEMAND	1019	10302	HD	OUI	11.49375	linear - horizontal	DVB-S2	22	2/3
	BAYERISCHES FS	1025	10325	HD	OUI	11.58225	linear - horizontal	DVB-S2	22	2/3
	BBC WORLD NEWS	1002	5001	HD	OUI	11.229	linear - vertical	DVB-S2	22	2/3
	BFM BUSINESS	1074	8303	HD	OUI	11.895	linear - vertical	DVB-S2	29.7	5/6
	BLOOMBERG TV	1026	10067	SD	OUI	11.597	linear - vertical	DVB-S	22	5/6
	BR ALPHA	1093	28487	SD	OUI	12.26550	linear - horizontal	DVB-S	27.5	3/4
	BVN	1048	4320	SD	OUI	11.18550	linear - vertical	DVB-S	22	5/6
	CANAL ALGERIE	1026	10083	SD	OUI	11.597	linear - vertical	DVB-S	22	5/6
	CGTN	1022	6914	SD	OUI	11.538	linear - vertical	DVB-S	22	5/6
	CGTN DOCUMENTARY	1022	6912	SD	OUI	11.538	linear - vertical	DVB-S	22	5/6
	CGTN FRANCAIS	1022	6913	SD	OUI	11.538	linear - vertical	DVB-S	22	5/6
	CNBC	1026	10030	SD	OUI	11.597	linear - vertical	DVB-S	22	5/6
	CNN INT.	1028	4422	SD	OUI	11.62650	linear - vertical	DVB-S	22	5/6
	CUBA VISION	1020	7008	SD	OUI	11.50850	linear - vertical	DVB-S	22	5/6
	DAS ERSTE	1019	10301	HD	OUI	11.49375	linear - horizontal	DVB-S2	22	2/3
	DEUTSCHE WELLE	1028	4430	SD	OUI	11.62650	linear - vertical	DVB-S	22	5/6
	EWTN	5	62	SD	OUI	12.46050	linear - horizontal	DVB-S	27.5	3/4
	FRANCE 24 ARABE	1022	6910	SD	OUI	11.538	linear - vertical	DVB-S	22	5/6
	FRANCE 24 ENG	1022	6906	SD	OUI	11.538	linear - vertical	DVB-S	22	5/6
	GOD TV	7	774	SD	OUI	12.14850	linear - horizontal	DVB-S	27.5	3/4
	HR FERNSEHEN	1061	10355	HD	OUI	10.89125	linear - horizontal	DVB-S2	22	2/3
	KABEL 1	1107	17502	SD	OUI	12.54475	linear - horizontal	DVB-S	22	5/6
	KIKA	1010	11160	HD	OUI	11.347	linear - vertical	DVB-S2	22	2/3

ZAPBAND	TSID	SID	TYPE	CLAIR	FREQ.	POLAR.	MODUL.	D.Symb.	FEC
M6 BOUTIQUE	1072	8206	HD	OUI	11.856	linear - vertical	DVB-S2	29.7	5/6
MDR FERNSEHEN	1061	10353	HD	OUI	10.89125	linear - horizontal	DVB-S2	22	2/3
N24	1107	17503	SD	OUI	12.54475	linear - horizontal	DVB-S	22	5/6
NDR	1025	10327	HD	OUI	11.58225	linear - horizontal	DVB-S2	22	2/3
NHK WORLD TV	1002	5021	HD	OUI	11.229	linear - vertical	DVB-S2	22	2/3
N-TV	1089	12090	SD	OUI	12.18750	linear - horizontal	DVB-S	27.5	3/4
ONE	1039	10376	HD	OUI	11.05275	linear - horizontal	DVB-S2	22	2/3
PHOENIX	1025	10331	HD	OUI	11.58225	linear - horizontal	DVB-S2	22	2/3
PRO SIEBEN	1107	17501	SD	OUI	12.54475	linear - horizontal	DVB-S	22	5/6
RBB BERLIN	1061	10351	HD	OUI	10.89125	linear - horizontal	DVB-S2	22	2/3
RBB BRANDENBURG	1073	28205	SD	OUI	12.10950	linear - horizontal	DVB-S	27.5	3/4
RTL 2	1089	12020	SD	OUI	12.18750	linear - horizontal	DVB-S	27.5	3/4
RTL TELEVISION	1089	12003	SD	OUI	12.18750	linear - horizontal	DVB-S	27.5	3/4
RUSSIA TODAY	1012	6381	HD	OUI	11.37650	linear - vertical	DVB-S2	22	2/3
SAT 1	1107	17500	SD	OUI	12.54475	linear - horizontal	DVB-S	22	5/6
SIXX	1107	17504	SD	OUI	12.54475	linear - horizontal	DVB-S	22	5/6
SKY NEWS	1111	7290	SD	OUI	12.60375	linear - horizontal	DVB-S	22	5/6
SONLIFE	1026	10080	SD	OUI	11.597	linear - vertical	DVB-S	22	5/6
SONNENKLAR	33	32	SD	OUI	12.480	linear - vertical	DVB-S	27.5	3/4
SPORT 1	33	900	SD	OUI	12.480	linear - vertical	DVB-S	27.5	3/4
SR FERNSEHEN	1039	10378	HD	OUI	11.05275	linear - horizontal	DVB-S2	22	2/3
SUPER RTL	1089	12040	SD	OUI	12.18750	linear - horizontal	DVB-S	27.5	3/4
TAGESSCHAU 24	1039	10375	HD	OUI	11.05275	linear - horizontal	DVB-S2	22	2/3
TELE 5	33	51	SD	OUI	12.480	linear - vertical	DVB-S	27.5	3/4
TELESUR	1040	31304	SD	OUI	11.06750	linear - vertical	DVB-S	22	5/6
TRT TURK	1027	5113	SD	OUI	11.61175	linear - horizontal	DVB-S	22	5/6
TRT WORLD	1022	6918	HD	OUI	11.538	linear - vertical	DVB-S	22	5/6
TV GALICIA	1040	31306	SD	OUI	11.06750	linear - vertical	DVB-S	22	5/6
TV RECORD	1040	31301	SD	OUI	11.06750	linear - vertical	DVB-S	22	5/6
TV TRWAM	1048	4310	SD	OUI	11.18550	linear - vertical	DVB-S	22	5/6
TVE INTERNATIONAL	1028	4401	SD	OUI	11.62650	linear - vertical	DVB-S	22	5/6
VIVA	1078	28676	SD	OUI	11.973	linear - vertical	DVB-S	27.5	3/4
VOX	1089	12060	SD	OUI	12.18750	linear - horizontal	DVB-S	27.5	3/4
WDR	1201	28325	HD	OUI	12.42150	linear - horizontal	DVB-S	27.5	3/4
ZDF INFO	1010	11170	HD	OUI	11.347	linear - vertical	DVB-S2	22	2/3
ZDF NEO	1011	11130	HD	OUI	11.36175	linear - horizontal	DVB-S2	22	2/3