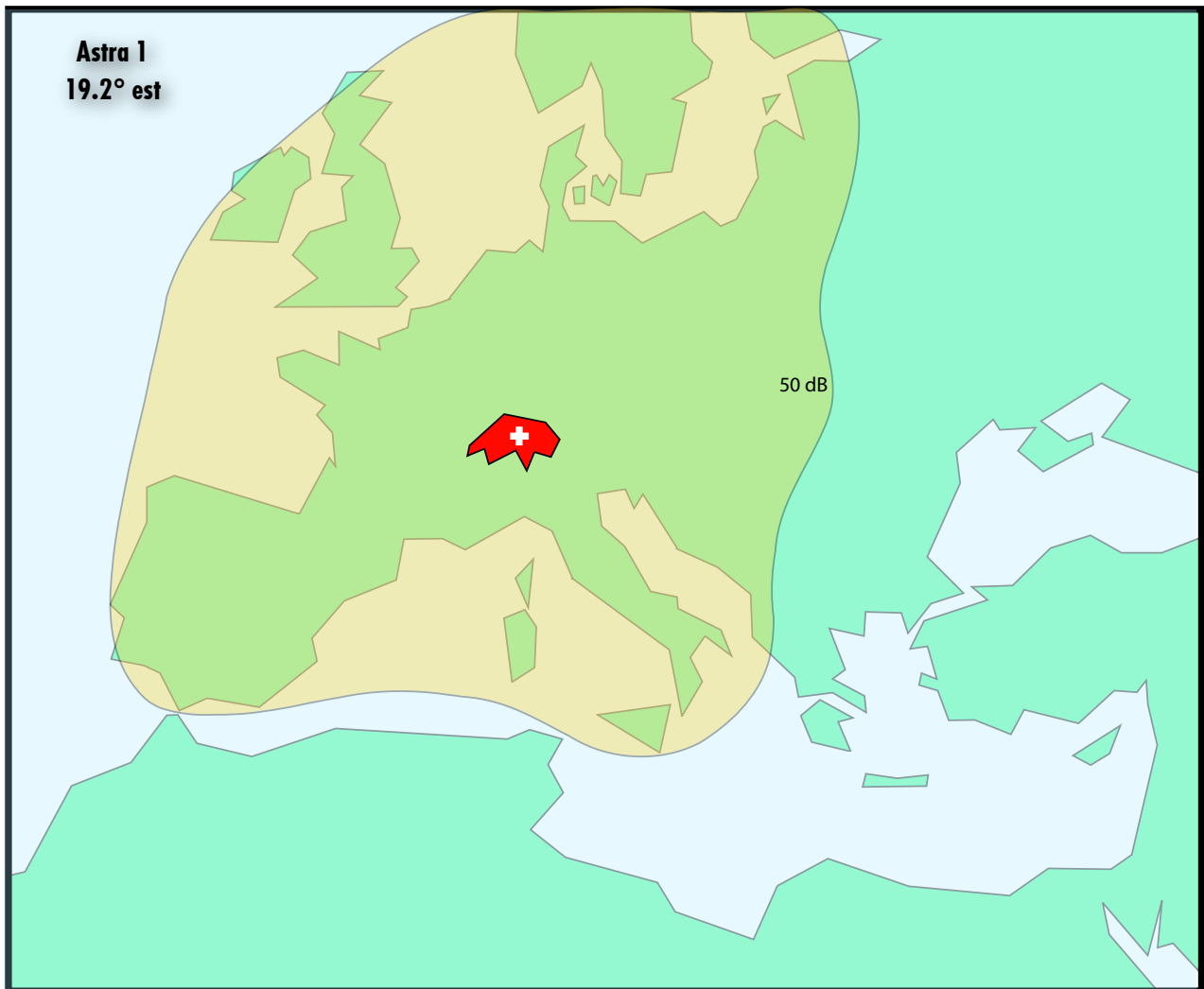


Astra 1
19.2° est



PIRE	Température de bruit exprimée en dB		
	0.6 - 0.7	0.8 - 1.0	1.1 - 1.3
35 dBW	300 cm	360 cm	480 cm
36 dBW	240 cm	300 cm	360 cm
37 dBW	180 cm	240 cm	300 cm
38 dBW	150 cm	180 cm	240 cm
39 dBW	135 cm	150 cm	180 cm
40 dBW	120 cm	135 cm	150 cm
41 dBW	120 cm	120 cm	150 cm
42 dBW	110 cm	120 cm	135 cm
43 dBW	99 cm	110 cm	120 cm
44 dBW	90 cm	99 cm	120 cm
45 dBW	90 cm	99 cm	99 cm
46 dBW	80 cm	90 cm	99 cm
47 dBW	75 cm	90 cm	90 cm
48 dBW	60 cm	75 cm	75 cm
49 dBW	60 cm	60 cm	65 cm
50 dBW	60 cm	60 cm	65 cm
51 dBW	55 cm	60 cm	60 cm
52 dBW	50 cm	55 cm	55 cm
53 dBW	50 cm	50 cm	55 cm
54 dBW	45 cm	50 cm	55 cm
55 dBW	40 cm	45 cm	50 cm
56 dBW	38 cm	40 cm	44 cm
57 dBW	36 cm	38 cm	41 cm
58 dBW	34 cm	36 cm	38 cm
59 dBW	32 cm	34 cm	36 cm
60 dBW	30 cm	32 cm	34 cm
61 dBW	28 cm	30 cm	32 cm
62 dBW	26 cm	28 cm	30 cm
63 dBW	24 cm	26 cm	28 cm
64 dBW	22 cm	23 cm	25 cm



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Intersonic
Pascal BAUD
sept. 2007
ASTRA I
022 797 4444

ASTRA 1 - 19.2° East



ASTRA 1G - Direct-to-Home

The ASTRA 1G satellite is located at 19.2° East, ASTRA's prime orbital position for Direct-to-Home services, providing capacity mainly for the transmission of broadcast and broadband multimedia services to consumer audiences in continental Europe.

Satellite information

Satellite launch information

Launch date: 02.12.1997
 Launch vehicle: Proton D1-e
 Launch site: Baikonur, Kazakhstan
 Launch mass: 3379 kg

Satellite orbital information

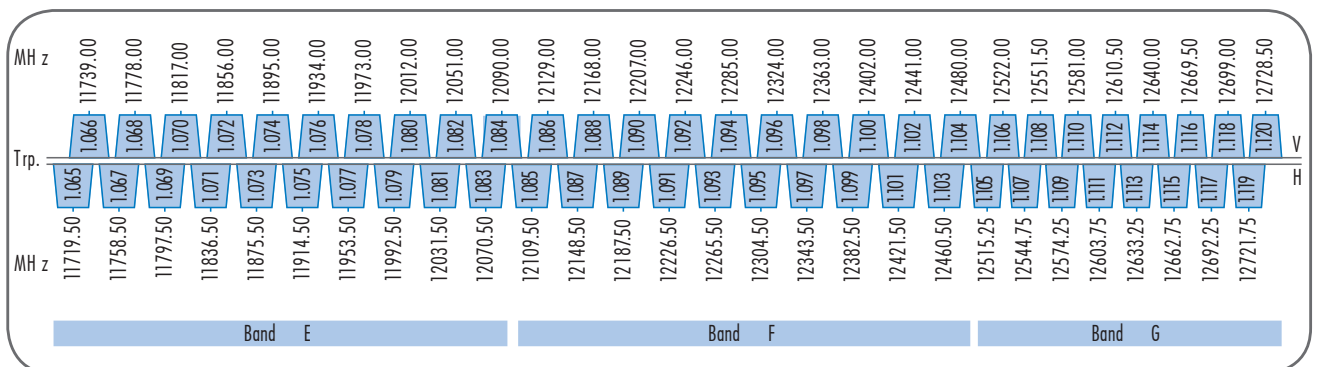
Satellite manufacturer: Hughes
 Orbital location: 19.2° East
 Stabilization system: 3 axis type
 Total power consumption: 6600 W

Satellite transponder information

Transponder capacity: 19
 TWTA output power: 98 W
 EIRP: 51 dBW
 All transponders are eclipse protected
 Transponder bandwidth:
 - 26 MHz in FSS
 - 33 MHz in BSS

Channel capacity

Total: 56 channels - 11.70 - 12.10 GHz: 20 channels (Band E) • 12.10 - 12.50 GHz: 20 channels (Band F) • 12.50 - 12.75 GHz: 16 channels (Band G)
 Channel Number Allocation and Downlink Centre Frequencies



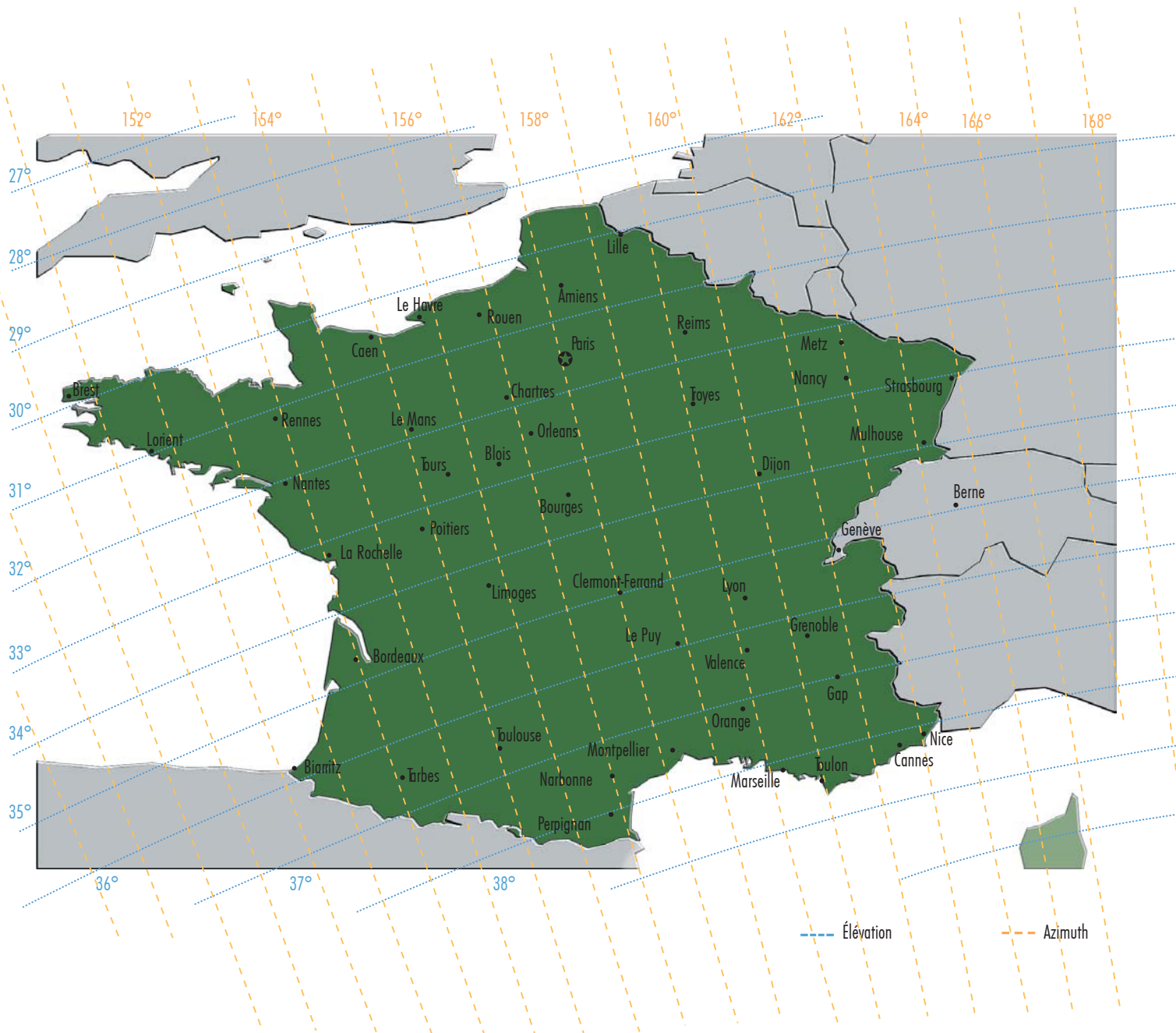
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RÉGLAGE DES ANTENNES



FRANCE - SUISSE

Réglage en azimuth et élévation des antennes satellites

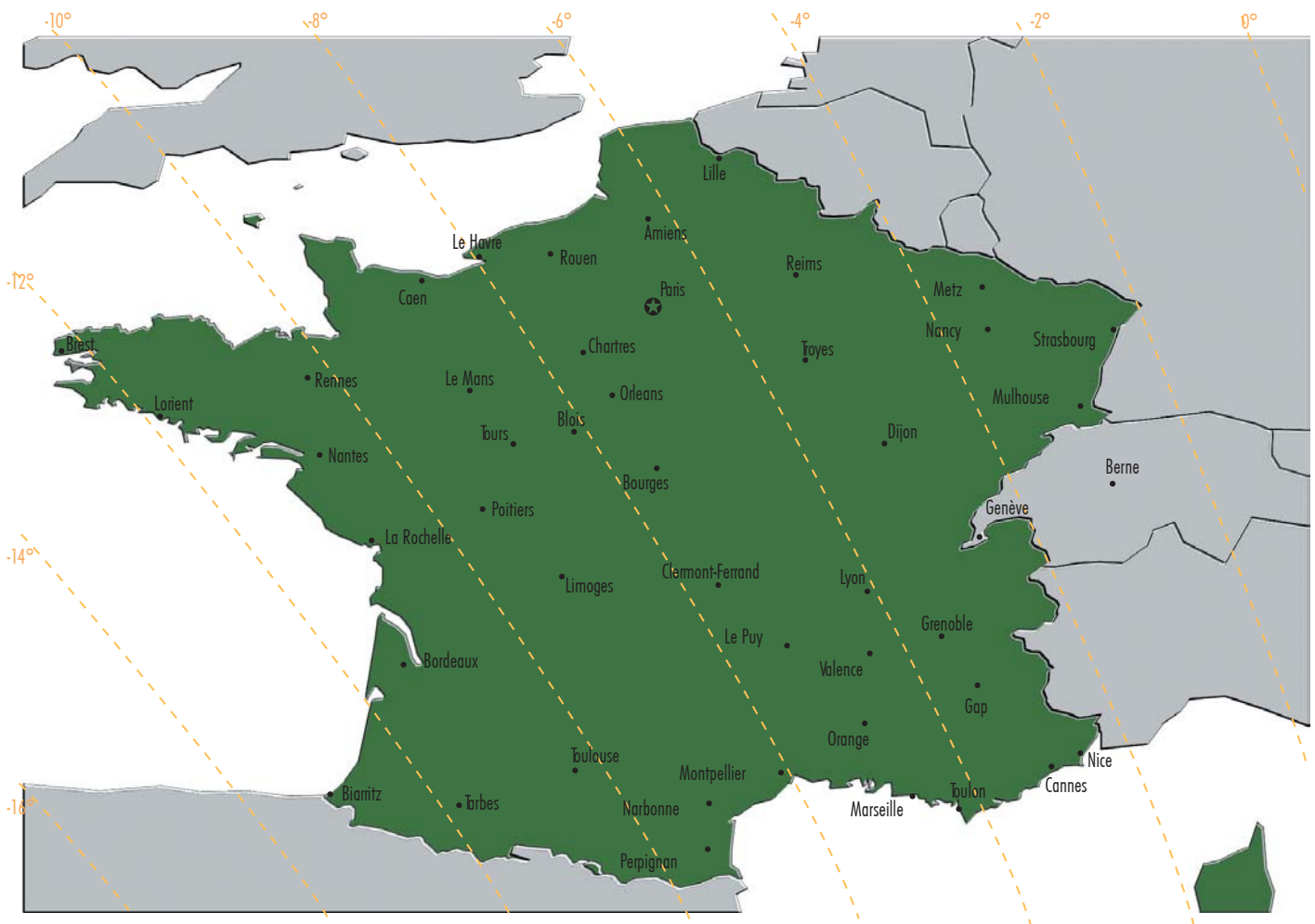


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RÉGLAGE DES ANTENNES (suite)



Réglage de la contre-polarisation (Position angulaire du LNB)



Exemple: à Genève le LNB doit être tourné de 5° par rapport à la verticale, dans le sens des aiguilles d'une montre lorsque l'on regarde l'antenne et que l'on est situé entre le satellite et l'antenne.

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