

ASTRA 1A - 5.2° EAST



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Occasional use services and contribution links

The ASTRA 1A satellite is located at the 5.2° East orbital position, in inclined orbit. Main services on ASTRA 1A include contribution links as well as occasional services for broadcasters and news organizations needing capacity for temporary transmissions.

SATELLITE INFORMATION

Satellite launch information

Launch date: 11.12.1988
 Launch vehicle: Ariane 44 LP, Flight V 27
 Launch site: Kourou, French Guiana
 Launch mass: 1768 kg

Satellite orbital information

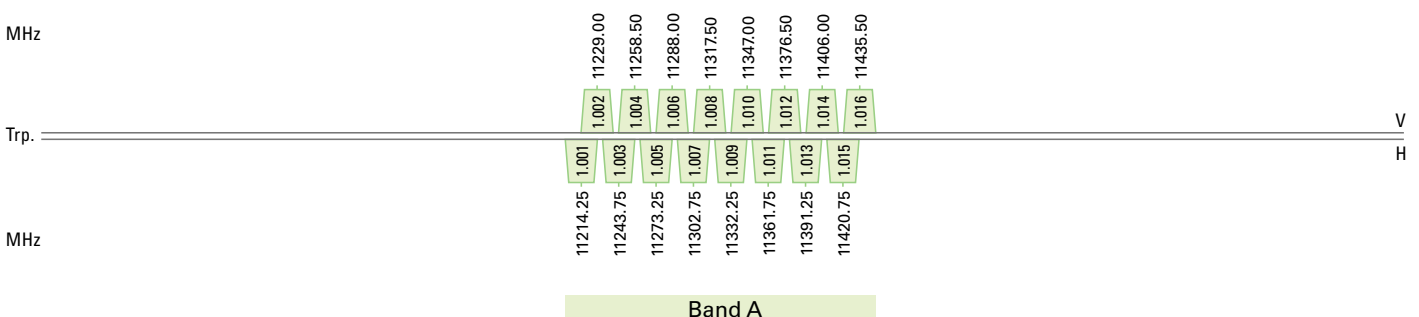
Satellite manufacturer: GE Astro Space
 Orbital location: 5.2° East (Inclined Orbit)
 Stabilization system: 3 axis type
 Expected lifetime: in excess of 12 years
 Total power consumption: 2600 Watts

Satellite transponder information

Transponder capacity: 5 / 6
 TWTA output power: 45 Watts
 EIRP: 51 dBW
 All transponders are eclipse protected
 Transponder bandwidth: 26 MHz

CHANNEL CAPACITY

11.20 - 11.45 GHz: 16 channels (Band A)
 Channel Number Allocation and Downlink Centre Frequencies



ASTRA 1A FOOTPRINTS



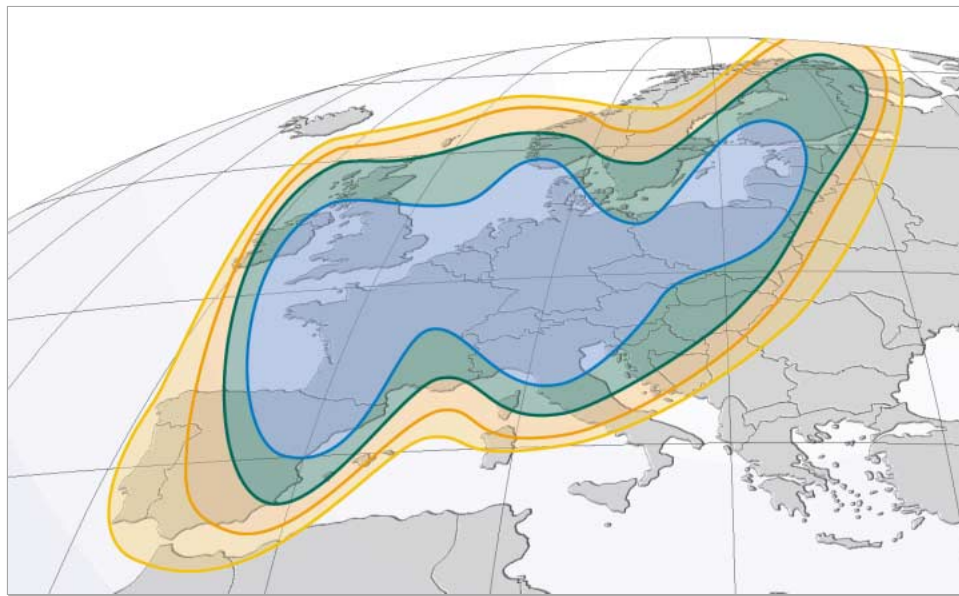
58 dBW

60 dBW

62 dBW

64 dBW

Typical Uplink EIRP (8 Mbit/s)



1.8 m

2.4 m

2.7 m

3.0 m

Typical receive antenna size

