

23.5°E



ASTRA 3B

ASTRA 3B provides distribution of DTH and DTC broadcast services, and also hosts high-speed internet access platform ASTRA2Connect. The satellite offers coverage of Europe and the Middle East with 60 Ku-band and 4 Ka-band transponders. ASTRA 3B is located at 23.5°E, ASTRA's third prime orbital position.

Satellite facts

Launch date	24.03.2010
Launch site	Kourou, French Guiana
Launch mass	5,460 kg
Satellite manufacturer	EADS Astrium
Orbital location	23.5° east
Stabilization system	3-axis type
Total power consumption	10,100 W
Transponder capacity	64
Eclipse protection	yes
Transponder bandwidth	36/33 MHz

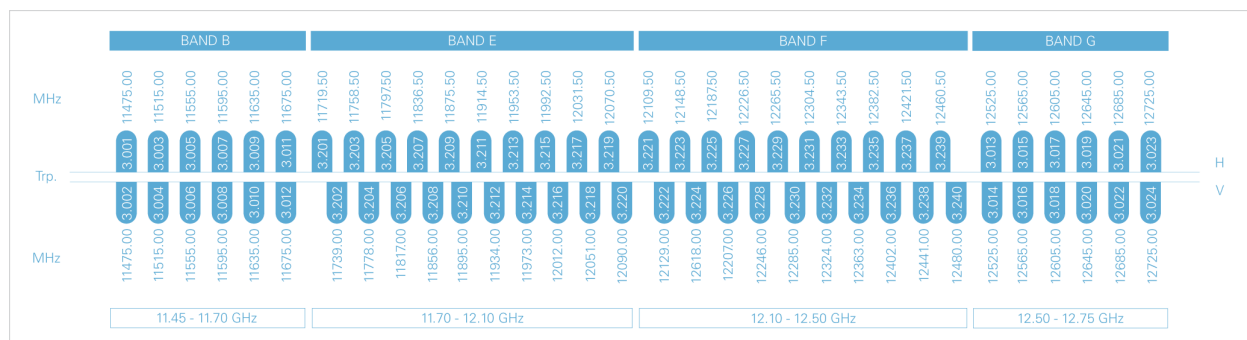
Channel capacity

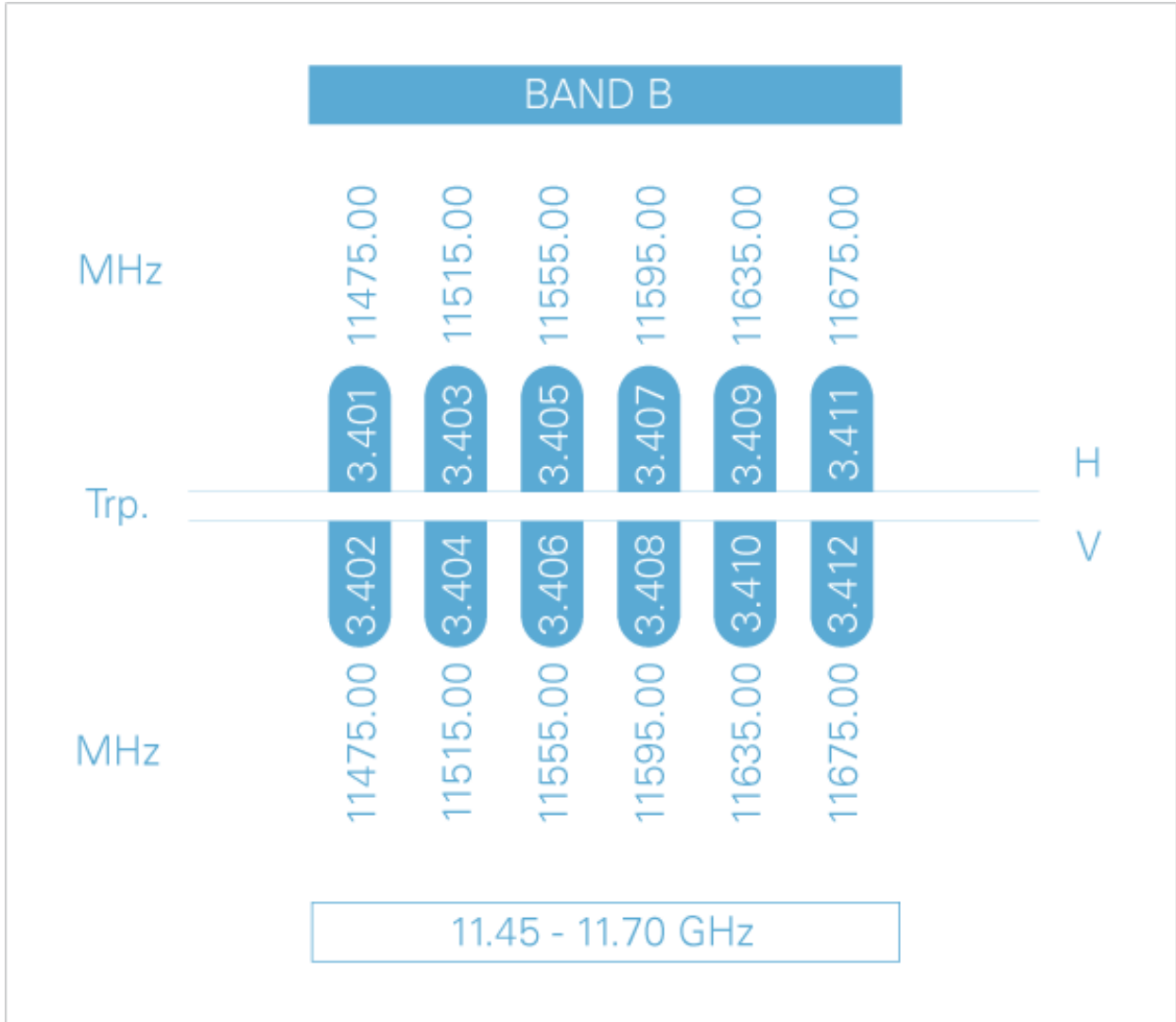
Total Ku-band channels	60
11.45-11.70 GHz	12 channels (band B)
11.70-12.10 GHz	20 channels (band E)
12.10-12.50 GHz	20 channels (band F)
12.50-12.75 GHz	12 channels (band G)

Total Ka-band channels	4
21.40-22.00 GHz	4 channels

Channel number allocations and downlink centre frequencies:

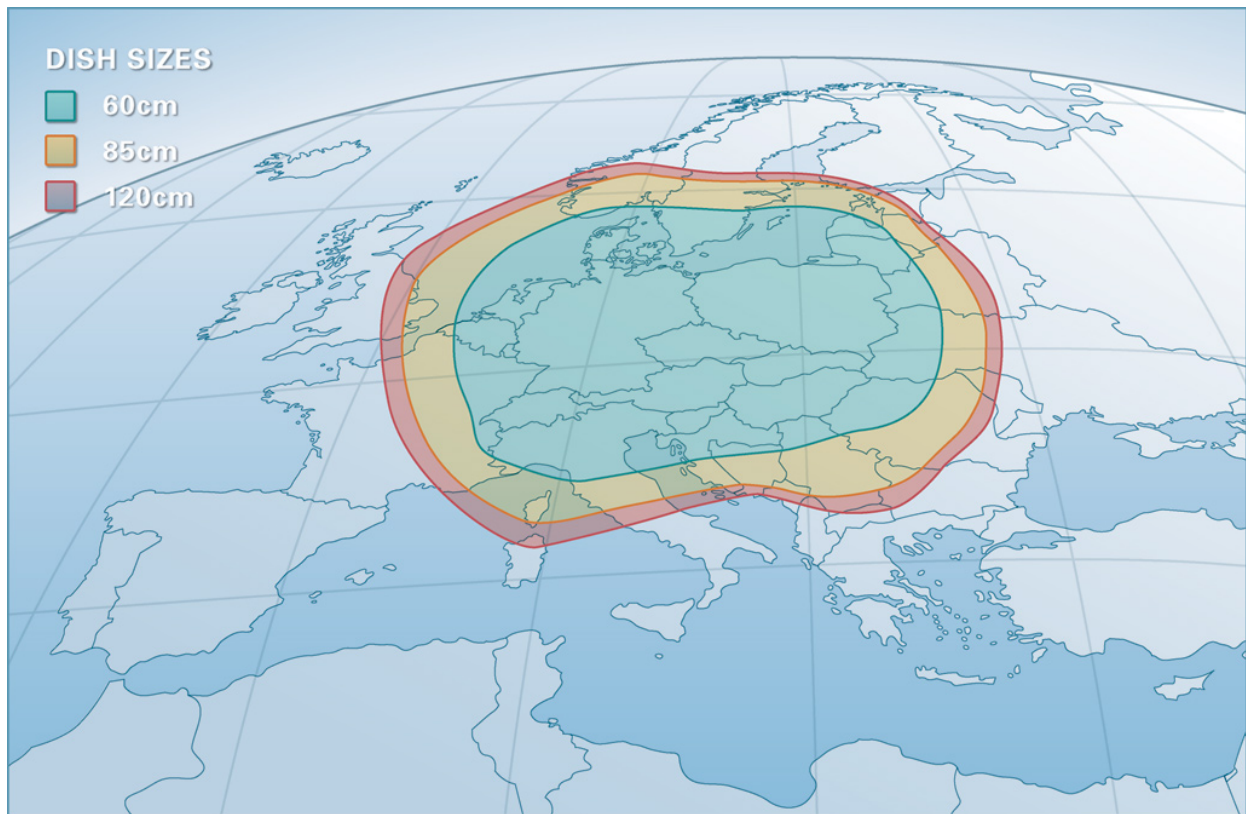
Europe



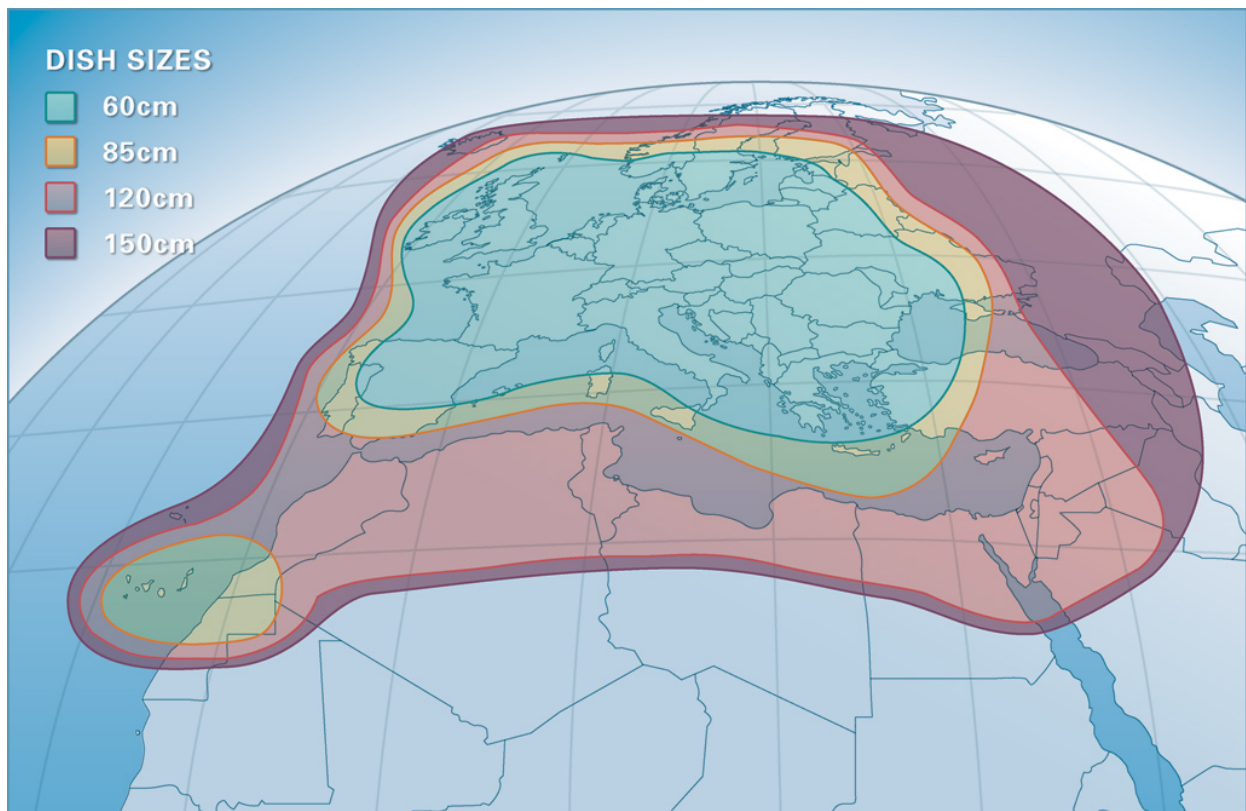


Footprints

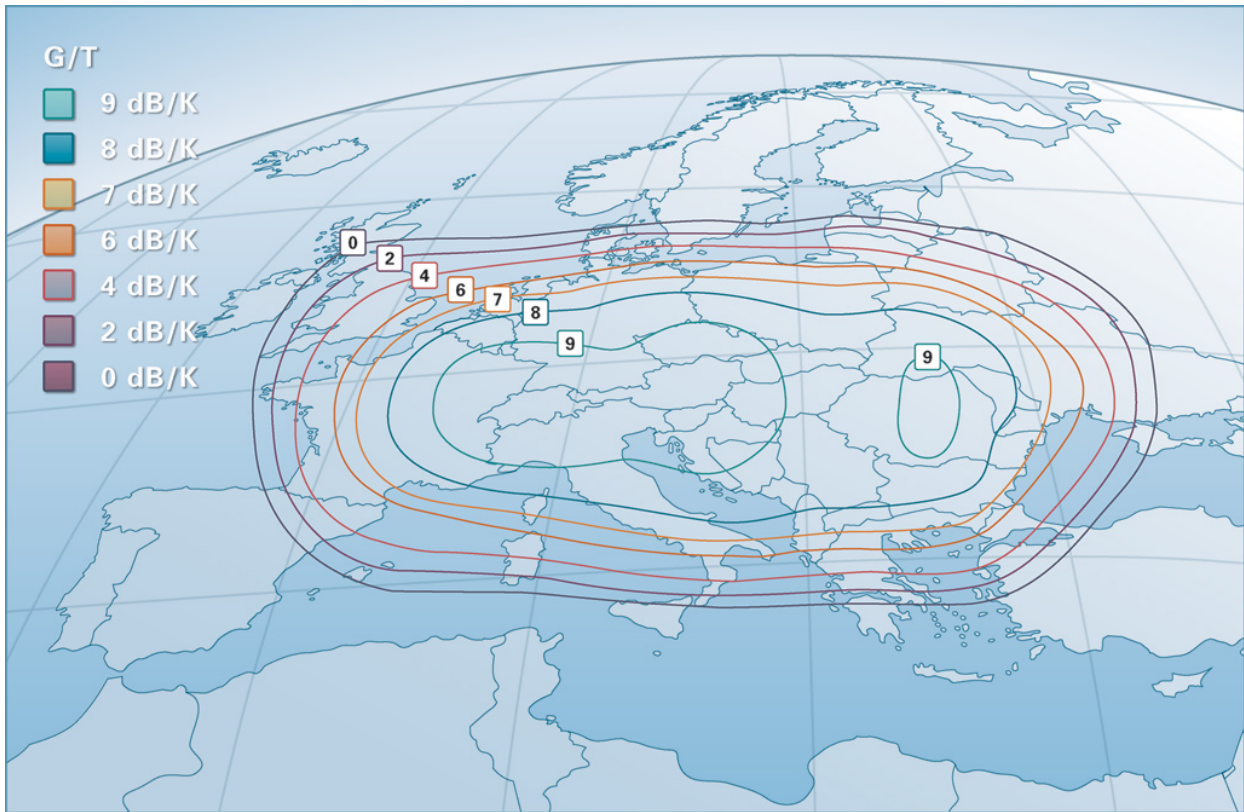
European beam downlink



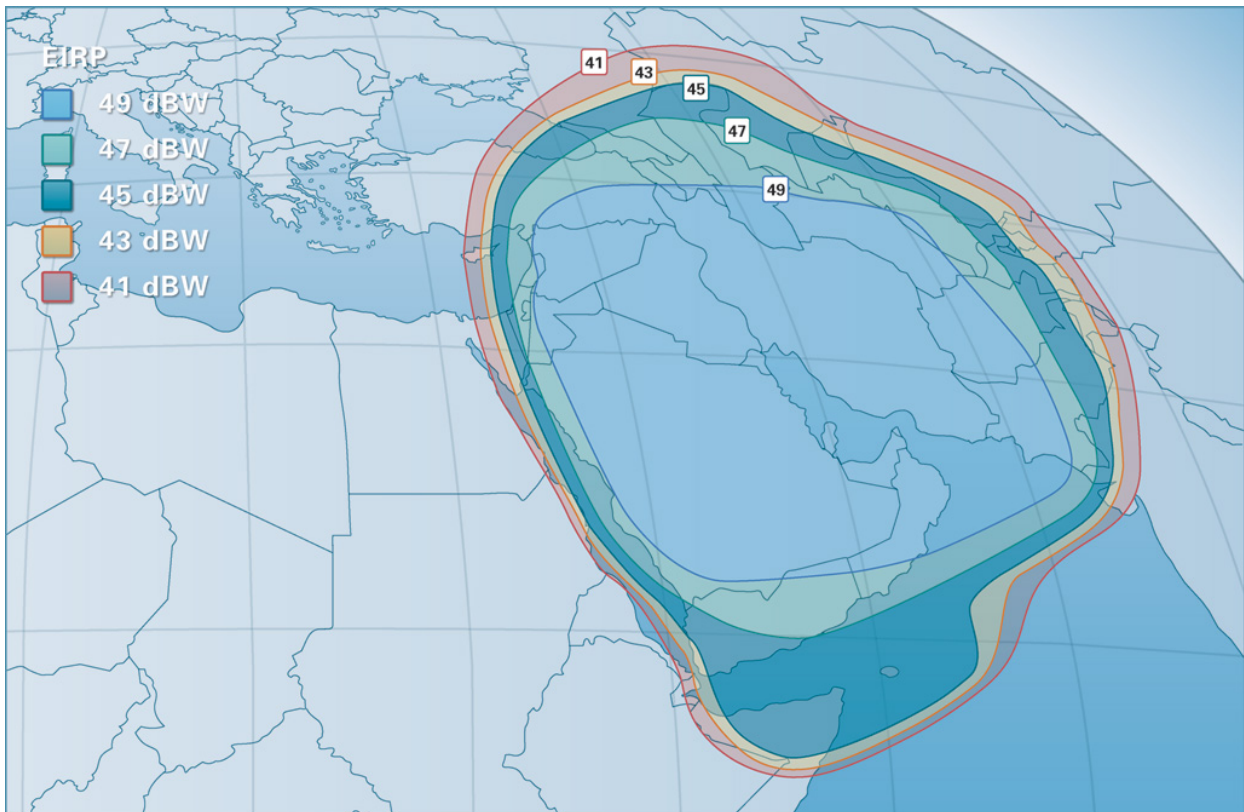
Pan-European wide beam downlink



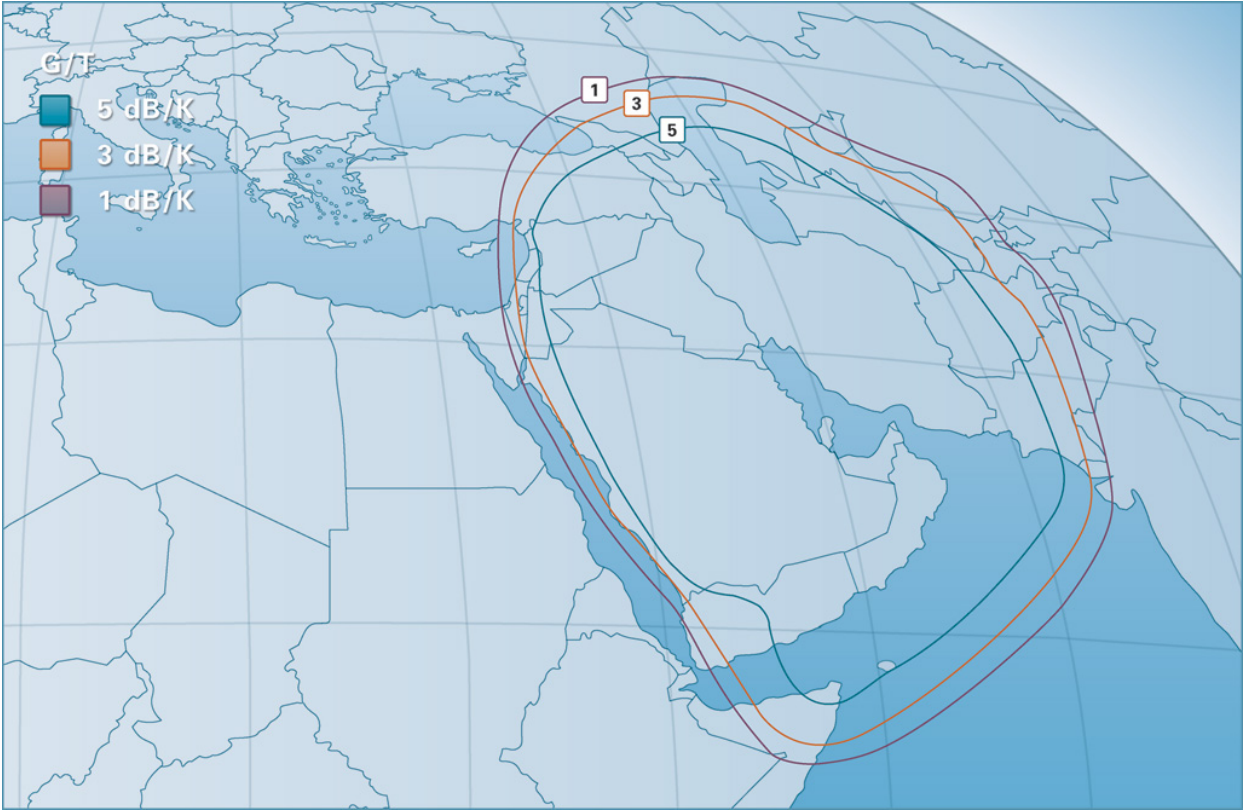
Middle East spot beam uplink Europe



Middle East spot beam downlink Middle East



Middle East spot beam uplink Middle East



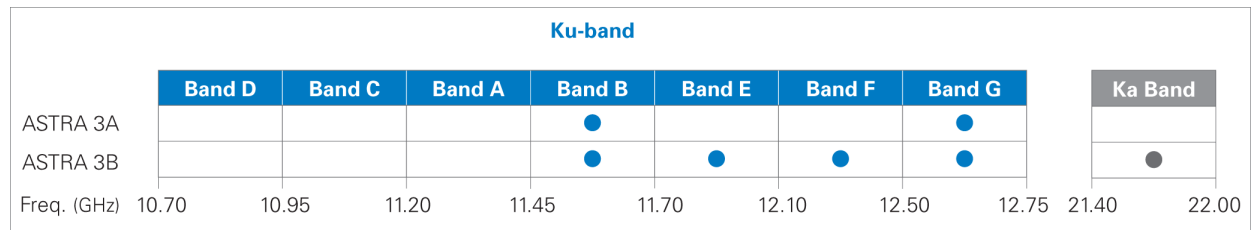
ASTRA orbital positions and back-up

ASTRA pioneered satellite co-location at single orbital positions, which can provide customers with the insurance of in-orbit back-up.

This system is ideal for channel growth, and guarantees the best operational security and reliability.

Co-location allows you to extend your services and gives viewers more choice from the same DTH reception equipment.

23.5°E



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