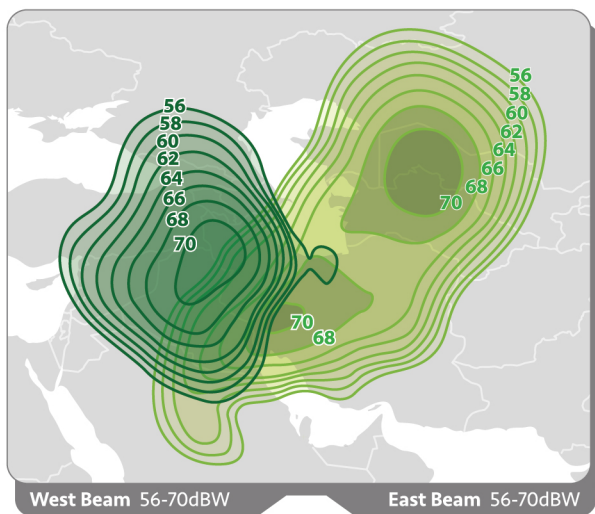


## KEY HIGHLIGHTS

- ABS-4/Mobisat-1 is a geostationary mobile multimedia Maxar satellite
- Equipped with S-band and Ku-band coverage over the MENA and European countries
- Provides direct broadcast of digital audio/video content to mobile users via two high-powered cross polarized Ku/S-band beams: West Beam and East Beam
- Capable of distributing digital data content to terrestrial repeater networks within the beam via two Ku-band beams
- Suitable for government/military applications

## S-BAND BEAMS

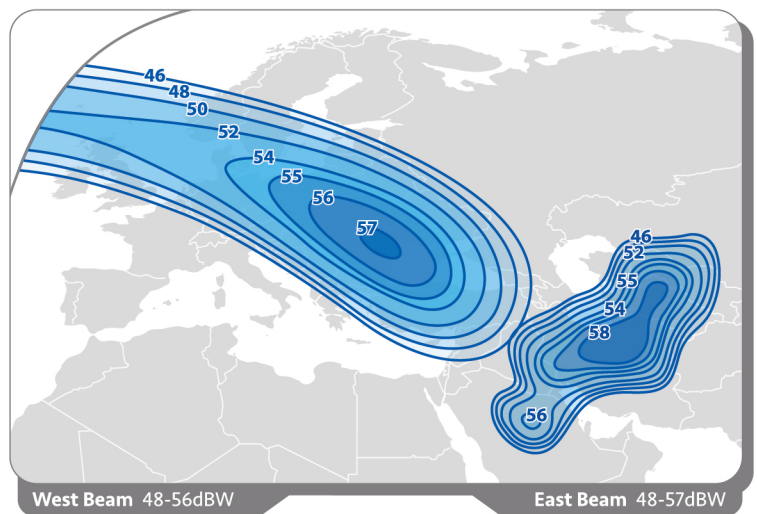


Ku/S-band Transponders: 2 x 25 MHz

Polarization: Linear / Circular

Uplink/Downlink Frequency: 13.858 - 13.883 / 2.630 - 2.655 GHz

## KU-BAND BEAMS



Ku/Ku-band Transponders: 2 x 25 MHz

Polarization: Linear / Linear

Uplink/Downlink Frequency: 13.824 - 13.849 / 12.214 - 12.239 GHz

PARAMETER	KU/S-BAND	KU/KU-BAND
Number of Transponders	2	2
Transponder Bandwidth (MHz)	25	25
Uplink/Downlink Frequency (GHz)	13.858 - 13.883 / 2.630 - 2.655	13.824 - 13.849 / 12.214 - 12.239
Uplink/Downlink Signal Polarization	Linear / Circular	Linear / Linear
EIRP (Peak Value) (dBW)	70 (East Beam) 70 (West Beam)	56 (East Beam) 57 (West Beam)
G/T (Peak Value) (dB/K)	14.5 (East Beam) 14 (West Beam)	14.5 (East Beam) 14 (West Beam)
Uplink SFD (dBW/m <sup>2</sup> )	-105 to -85 (at 14.5 dB/K) (East Beam) -105 to -85 (at 14.0 dB/K) (West Beam)	-105 to -85 (at 14.5 dB/K) (East Beam) -105 to -85 (at 14.0 dB/K) (West Beam)
Cross-Polarization Isolation (dB)	30	30
TWTA Redundancy	24:16 (Power combined) (East Beam) 12:8 (Power combined) (West Beam)	2:1 (East Beam) 2:1 (West Beam)
TWTA Size (Watts)	135 (East Beam) 135 (West Beam)	150 (East Beam) 130 (West Beam)