

Satellite Overview

Featuring both Ku and C-band beams, ABS-3A is located at 3°W, connecting the Americas, Europe, Africa and the Middle East and extends our C and Ku-Band coverage into the Atlantic Ocean region.

ABS-3A is equipped with three C-band beams, four Ku-band beams and a global beam, covering the Americas, Europe, the Middle East and Africa.

ABS-3A is a Boeing 702SP satellite with all-electric propulsion. Launched on a SpaceX Falcon 9 in March 2015, it entered commercial service on 31st August 2015.

Services:

- Broadcast services
- Broadband
- Data and telecommunications
- Cellular backhaul
- VSAT Solutions
- Mobility & Maritime
- Government and Military Applications

Parameter	Ku-Band
Number of Transponders	24
Transponder Bandwidth (MHz)	72
Uplink / Downlink Frequencies (GHz)	13.750 - 14.750 / 10.700 - 11.200,
	11.450 - 11.700, 12.500 - 12.750
Uplink / Downlink Signal Polarization	Linear (H&V)
Cross-Polarization Separation (dB)	> 27
EIRP (Peak Value) (dBW)	50 (Europe)
	51 (Americas)
	50 (MENA)
	49 (SAF)
TWTA Size (Watts)	150
TWTA Redundancy	24 for 19 (can be operated up to 24)
Receiver Redundancy	8 for 5
Uplink SFD (dBW/m²)	-76 to -98 (at -2.5 dB/K) (Europe and MENA)
	-76 to -98 (at -1.0 dB/K) (Americas)
	-76 to -98 (at -5.0 dB/K) (SAF)
G/T (Peak Value) (dB/K)	9.5 (Europe)
	7.1 (Americas)
	8.0 (MENA)
	7.2 (SAF)