



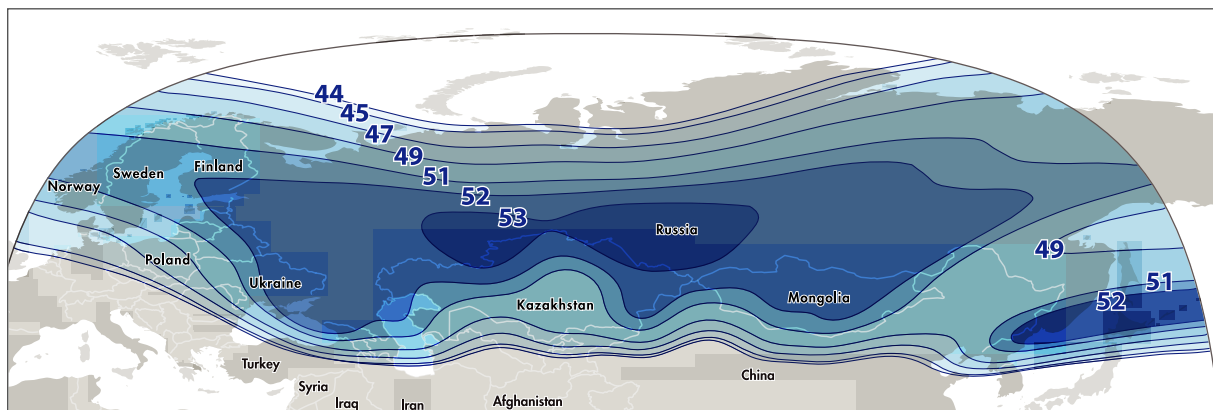
ABS-2A

75°E

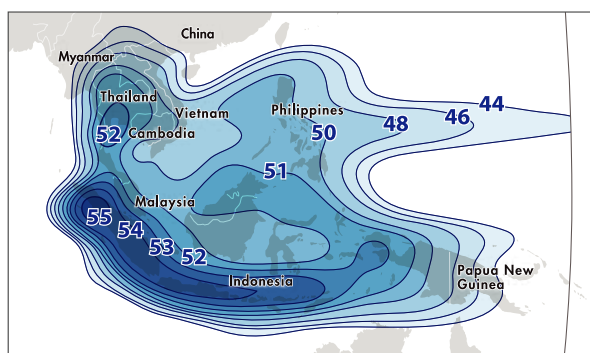
ABS-2A KEY HIGHLIGHTS

- ABS-2A is a geostationary Boeing 702SP all-electric propulsion satellite
- Co-located with ABS-2 satellite at the prime location of 75°E
- Provides continuity and expansion capacity at this key orbital position
- Designed with 48 transponders, the satellite has high performance Ku-band beams over the key markets of Southeast Asia, Russia, Africa and MENA region
- Fast, efficient and scalable connections between Asia, Middle East, Africa, and Russia
- Two dedicated beams over Southeast Asia to serve the high demand for capacity and growth in this region
- Suitable for DTH services, cellular backhaul, government/military applications, VSAT operators and IP connectivity
- Strong Southeast Asia coverage for maritime mobility services

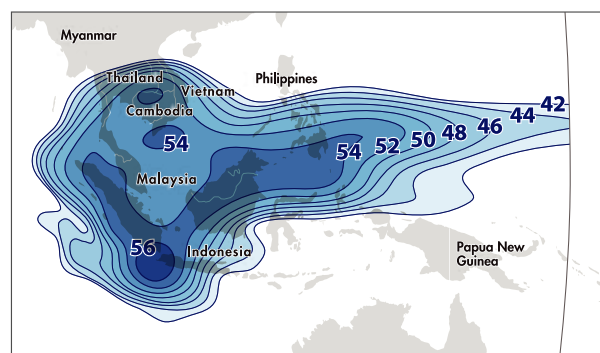
KU BAND BEAMS



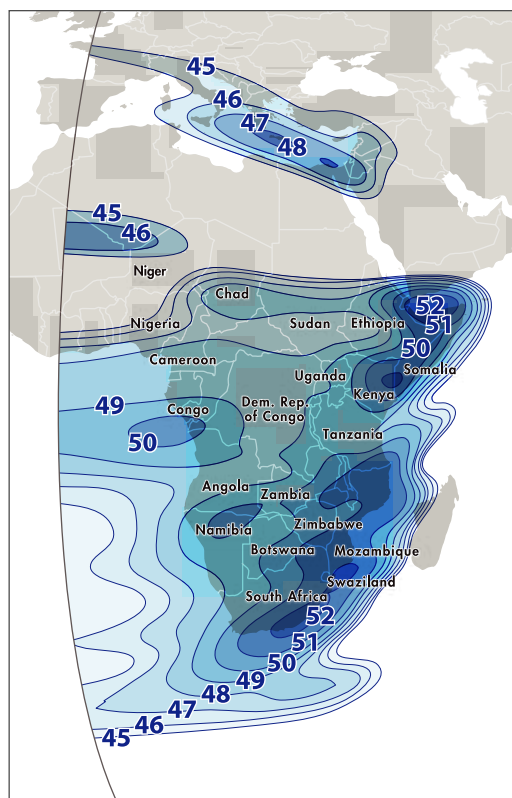
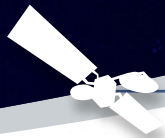
Russia | 44-53dBW



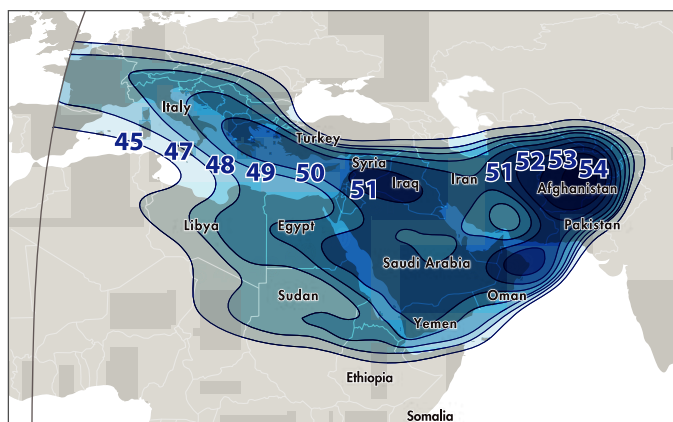
Southeast Asia 1 | 44-55dBW



Southeast Asia 2 | 42-56dBW



Africa I 45-52dBW



MENA I 45-54dBW

48 Ku-band Transponders (54, 72 or 108 MHz) for 5 beams Polarization: Linear (H&V)
 Uplink/Downlink Frequency: 13.750 – 14.800 & 17.300 – 18.100 / 10.950 – 11.200 & 11.450 – 12.750

PARAMETER	Ku BAND
Number of Transponders	48
Transponder Bandwidth (MHz)	54, 72, 108
Uplink/Downlink Frequency (GHz)	13.750–14.800 & 17.300–18.100 / 10.950–11.200 & 11.450–12.750
Uplink/Downlink Signal Polarization	Linear (H&V)
Cross-Polarization Separation (dB)	> 27
EIRP (Peak Value) (dBW)	53 (Russia FSS) and 53 (Russia BSS) 55 (South East Asia 1) 56 (South East Asia 2) 52 (Africa) 54 (MENA)
TWTA Size (Watts)	150
TWTA Redundancy	48 for 40 (with 8 active spares)
Receiver Redundancy	2 for 1
Downconverter Redundancy	2 for 1
Uplink SFD (dBW/m ²)	-96 to -74 (at 0 dB/K)
G/T (Peak Value) (dB/K)	9 (Russia BSS) and 8 (Russia FSS) 12 (South East Asia 1) 11 (South East Asia 2) 7 (Africa) 8 (MENA)