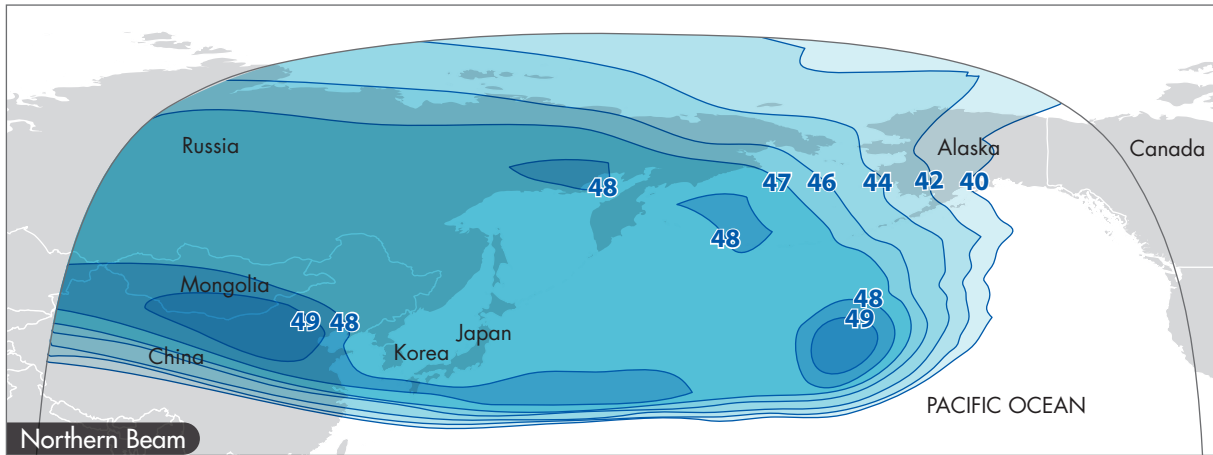


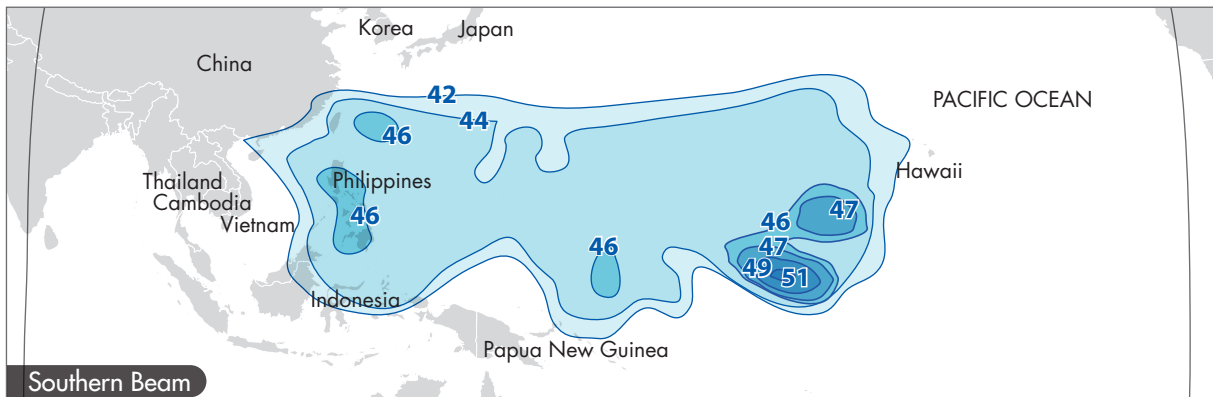
ABS-6 KEY HIGHLIGHTS

- ▶ ABS-6 is located at 159°E (*a redeployment of ABS-1)
- ▶ It covers the Pacific Ocean region and East Asia
- ▶ Its wide C & Ku coverage beams are suitable for VSAT services, TV distribution, IP trunking, cellular backhaul and maritime services
- ▶ ABS-6 is a Lockheed Martin A2100 AX satellite

KU BAND BEAMS

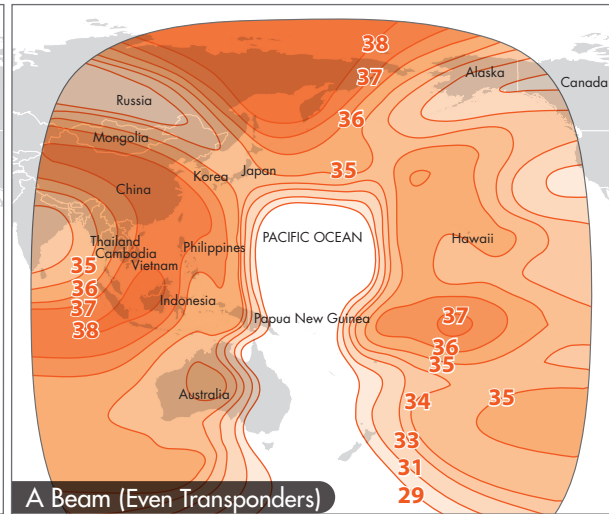
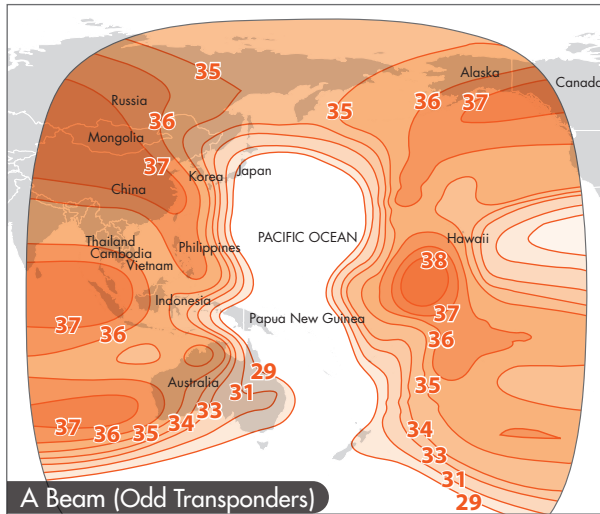


Ku-Band Transponders: 8 x 27 MHz Polarization: Vertical
 Uplink/Downlink Frequency: 13.750 – 14.500 / 10.900 – 12.750 GHz

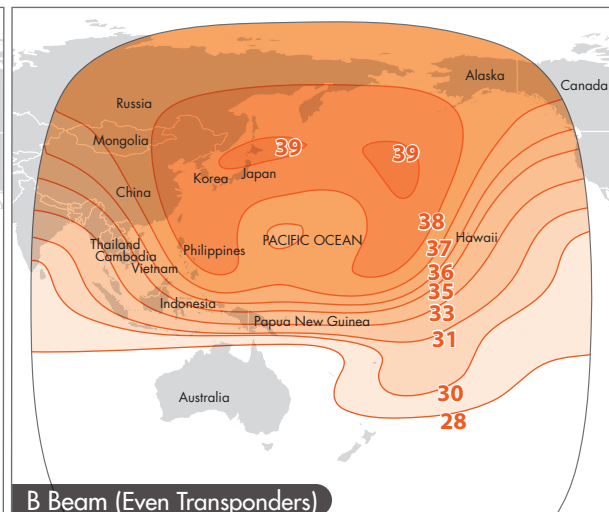
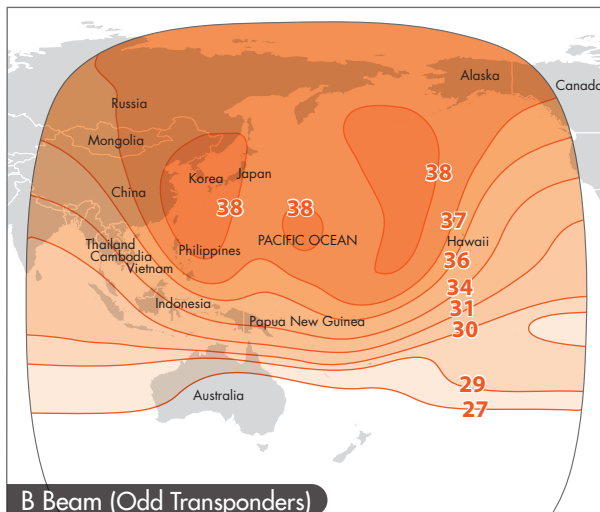


Ku-Band Transponders: 8 x 27 MHz Polarization: Horizontal
 Uplink/Downlink Frequency: 13.750 – 14.500/10.900 – 12.750 GHz

C BAND BEAMS



C-Band Transponders: 14 x 36MHz Polarization: Linear (H&V) Uplink/Downlink Frequency: 5.725 – 6.725 / 3.400 – 4.200 GHz



C-Band Transponders: 14 x 36MHz Polarization: Linear (H&V) Uplink/Downlink Frequency: 5.725 – 6.725 / 3.400 – 4.200 GHz

PARAMETER	C BAND	KU BAND
Number of Transponders	28	16
Transponder Bandwidth (MHz)	36	27
Uplink/Downlink Frequencies (GHz)	5.725–6.725/3.400–4.200	13.750–14.500/10.900–12.750
Uplink/Downlink Signal Polarization	Linear Cross-pol (H/V)	Linear Co-pol Northern Beam (V/V) Southern Beam (H/H)
Cross-Polarization Separation (dB)	30	30
EIRP (Peak Value) (dBW)	39.0 to 40.4 (A Beam) 38.6 to 40.1 (B Beam)	49.6 to 50.1 (Northern Beam) 51.5 to 51.9 (Southern Beam)
TWTA Size (Watts)	45	90 & 135 (Southern Beam)
TWTA Redundancy	2 groups of 16 for 14	2 groups of 11 for 8
Receiver Redundancy	4 for 2	4 for 2
Uplink SFD (dBW/m ²)	-97 to -75 (at -3 dB/K)	-92 to -70 (at -3 dB/K)
Gain Control Range	22dB in 2dB steps	22dB in 2dB steps
G/T at peak value (dB/K)	-3.8 to 1.6 (A Beam) -0.7 to 0 (B Beam)	5 to 5.2 (Northern Beam) 5.2 to 6.3 (Southern Beam)