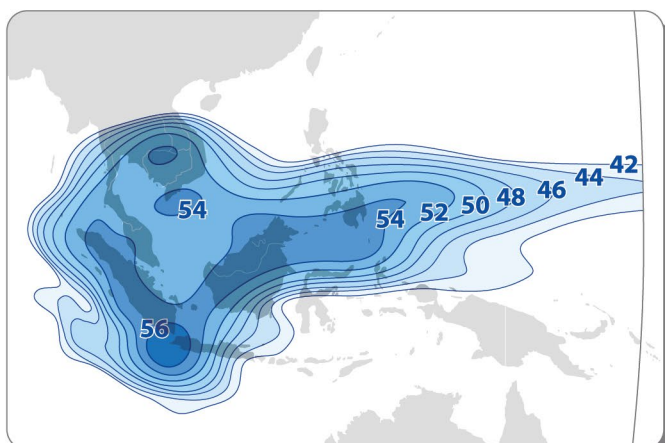
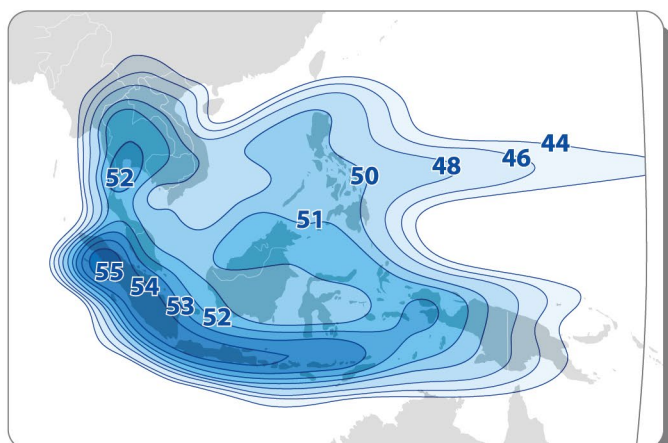
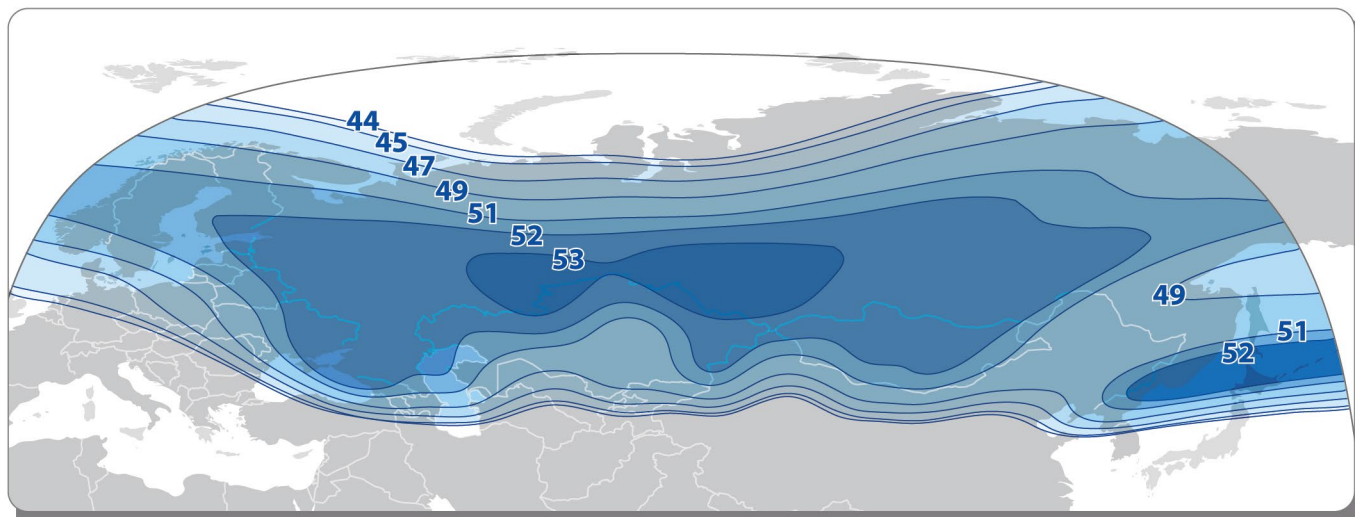


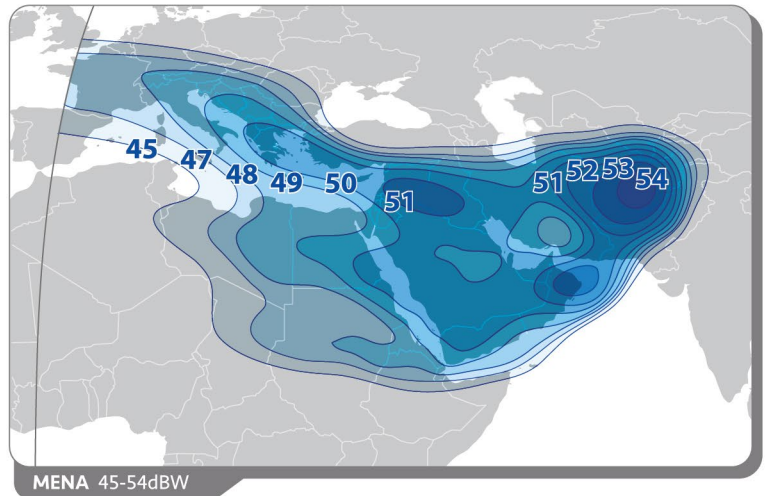
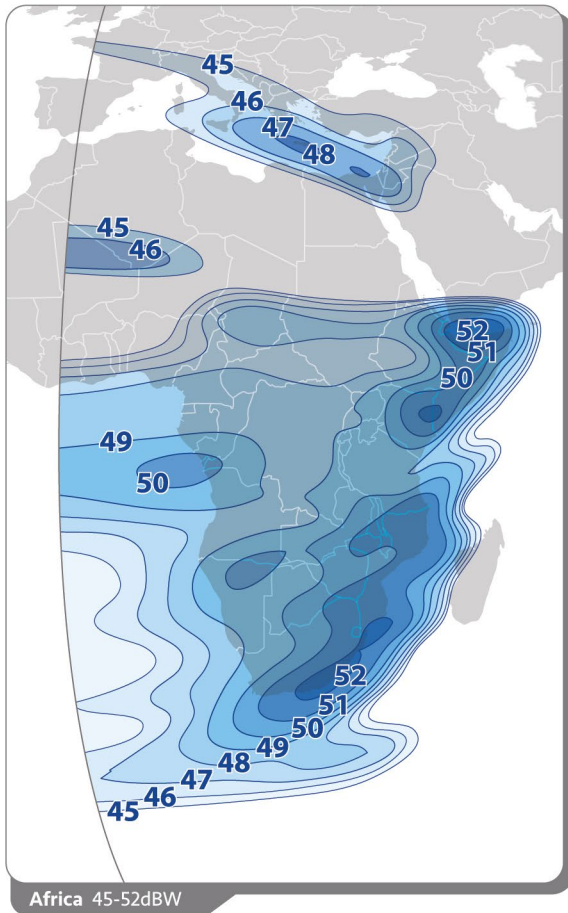
## KEY HIGHLIGHTS

- ABS-2A is a geostationary Boeing 702SP all-electric propulsion satellite
- Co-located with ABS-2 satellite at the prime location of 75°E
- Designed with 48 transponders, the satellite has high performance Ku-band beams over the key markets of Southeast Asia, Northern Asia, Africa and MENA region
- 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



# ABS-2A / 75°E



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 GHz

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)
EIRP (Peak Value) (dBW)	53 (Northern FSS) and 53 (Northern BSS) 55 (South East Asia 1) 56 (South East Asia 2) 52 (Africa) 54 (MENA)
G/T (Peak Value) (dB/K)	9 (Northern BSS) and 8 (Northern FSS) 12 (South East Asia 1) 11 (South East Asia 2) 7 (Africa) 8 (MENA)
Uplink SFD (dBW/m <sup>2</sup> )	-96 to -74 (at 0 dB/K)
Cross-Polarization Isolation (dB)	>27
TWTA Size (Watts)	150