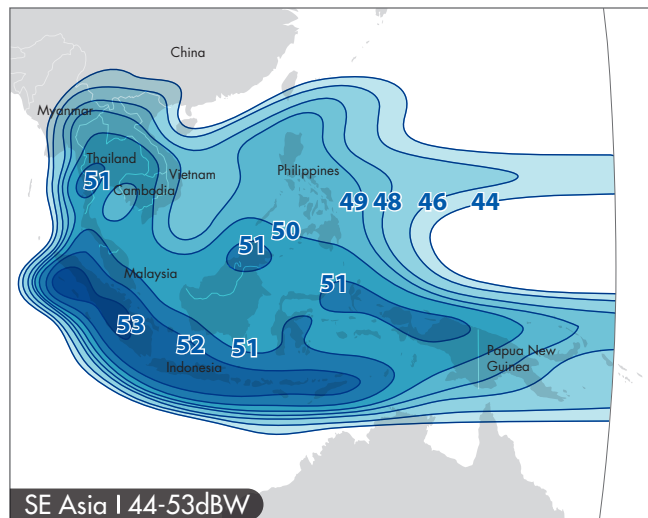
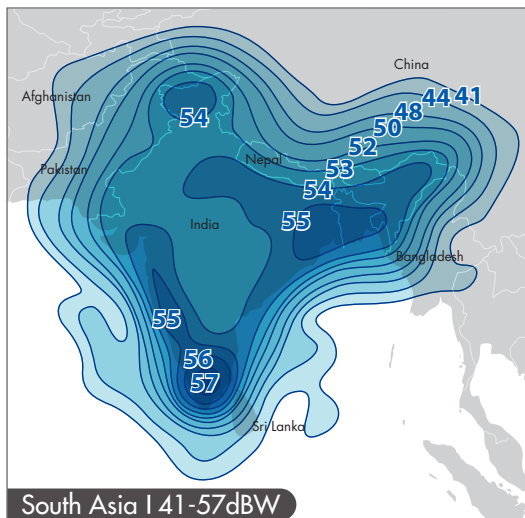
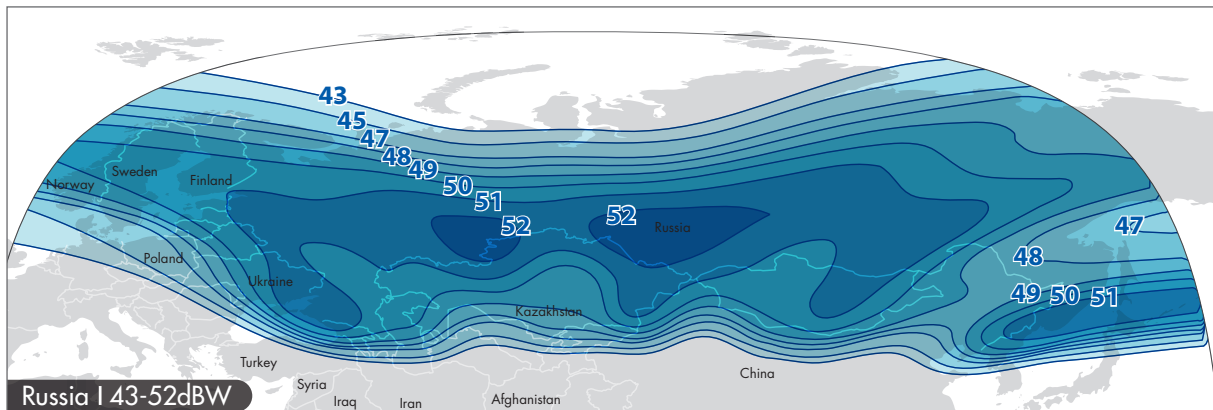
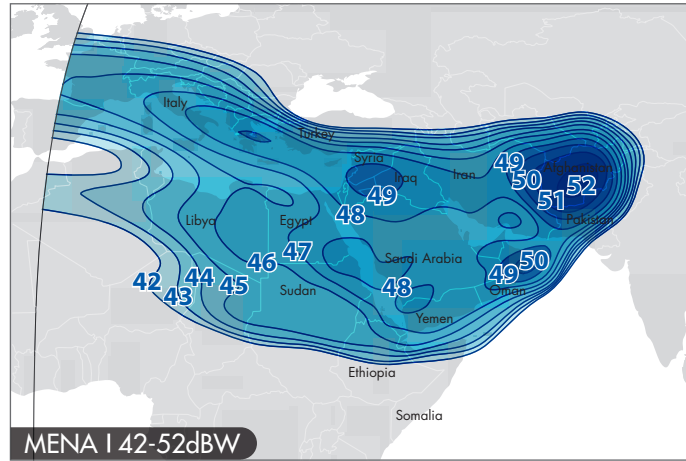
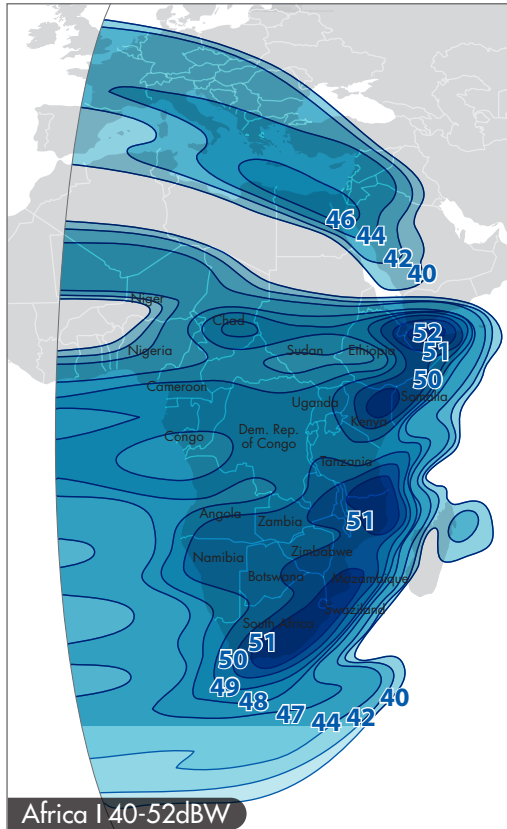


ABS-2A KEY HIGHLIGHTS

- ▶ ABS-2A is a Boeing 702SP satellite (all-electric propulsion) and was successfully launched on June 15, 2016
- ▶ It will be co-located with ABS-2 at the prime location at 75°E
- ▶ Designed with 48 transponders and 5 dedicated high powered Ku-band beams, ABS-2A will serve South Asia, South East Asia, Russia, Africa and MENA regions
- ▶ Suitable for DTH services, VSAT operators, maritime and mobility solutions

KU BAND BEAMS





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 dB
EIRP (Peak Value) (dBW)	52 (Russia FSS) and 52 (Russia BSS) 57 (South Asia) 53 (SE Asia) 52 (Africa) 52 (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)	8 (Russia BSS) and 7 (Russia FSS) 11 (South Asia) 11 (SE Asia) 6 (Africa) 7 (MENA)