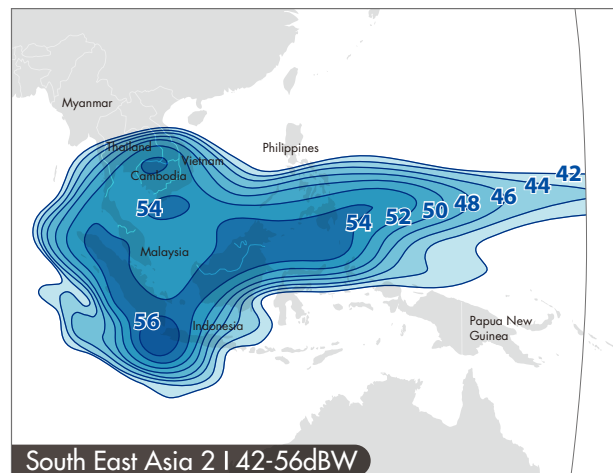
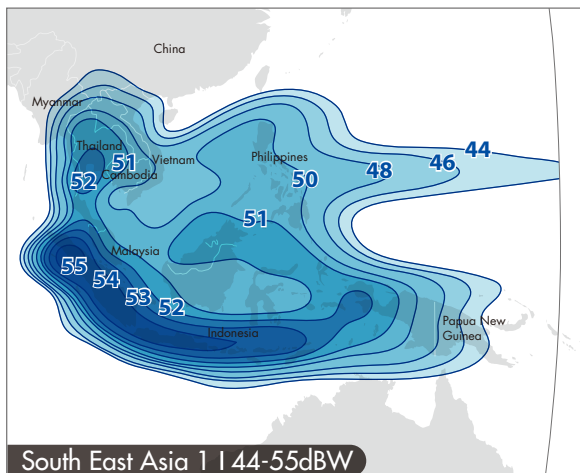
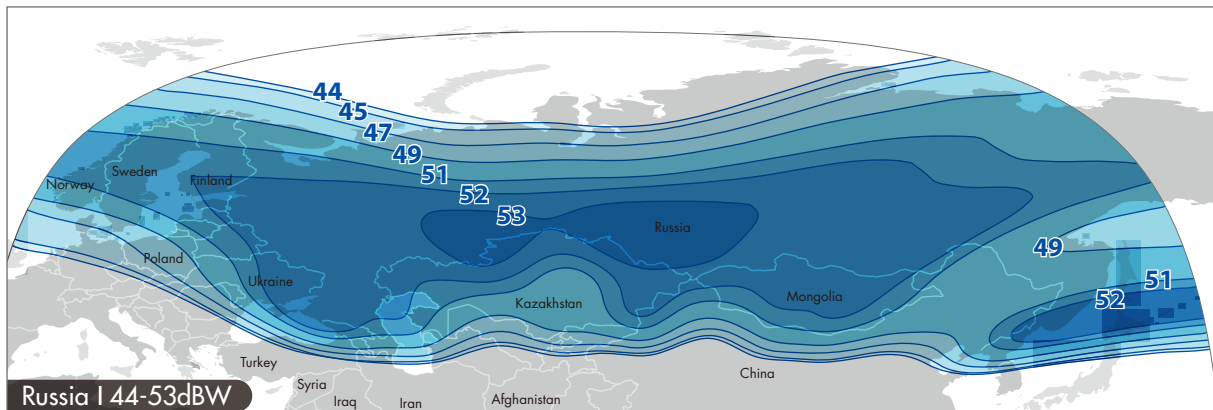
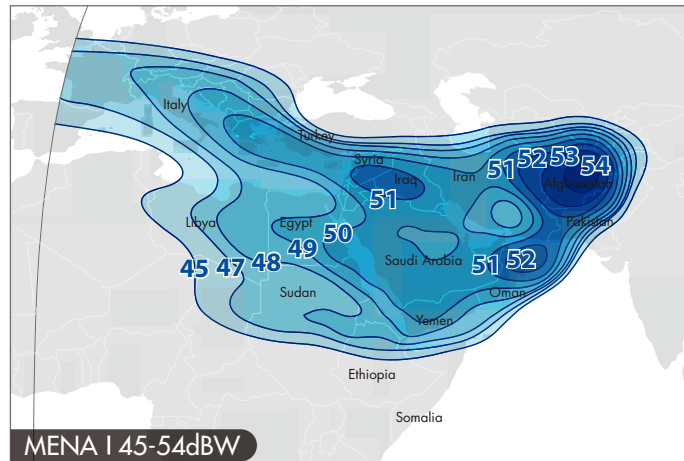
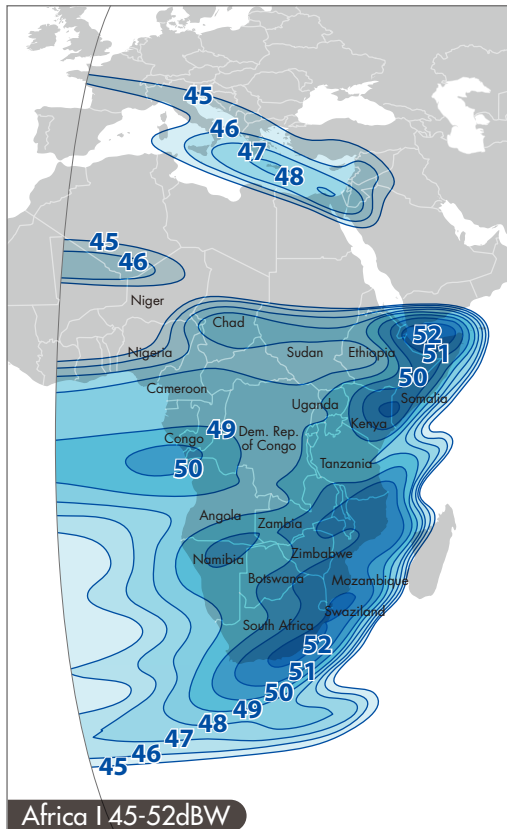


## ABS-2A KEY HIGHLIGHTS

- ▶ ABS-2A entered commercial use on 21st January 2017
- ▶ It is 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 serves South East Asia, Russia, Africa and MENA regions
- ▶ Suitable for DTH services, VSAT operators, maritime and mobility solutions
- ▶ ABS-2A is a Boeing 702SP satellite (all-electric propulsion) and was successfully launched on 15th June 2016 on SpaceX Falcon

## 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
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 <sup>2</sup> )	-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)