

ASIASAT 9 122°E

AsiaSat's most powerful satellite for region-wide coverage and connectivity

UNIQUE FEATURES

- Replacement satellite for AsiaSat 4 with enhanced coverage and capacity
- Highest C-band TWTA power available in Asia-Pacific offering extended high-power coverage
- 3 new dedicated Ku-band beams: Myanmar, Indonesia and Mongolia, in addition to enhanced East Asia and Australasia beams
- Cross-strap Ku-band beam switching capability for flexible coverage
- Ka-band payload offering high-power regional coverage
- Doubling spectral density (bit/Hz) to support higher mod/cod with up to 3dB improvement in downlink EIRP power
- Innovative filter design on spacecraft to achieve higher C-band bandwidth, delivering 23% increase in throughput compared to AsiaSat 4
- Star tracker equipped to provide 20% increase in satellite pointing accuracy
- Hall Effect Thrusters fitted to enhance stability and reliability of satellite operation and provide better performance at edge of beam coverage

THE SPACECRAFT

Designed/Built by	Space Systems Loral
Model	SSL 1300
Design Life	15+ years
Nominal Orbital Location	122°E

LAUNCH

29 September 2017 by ILS Proton M/Breeze M rocket from Baikonur Cosmodrome, Kazakhstan



COMMUNICATIONS PAYLOAD

C-band

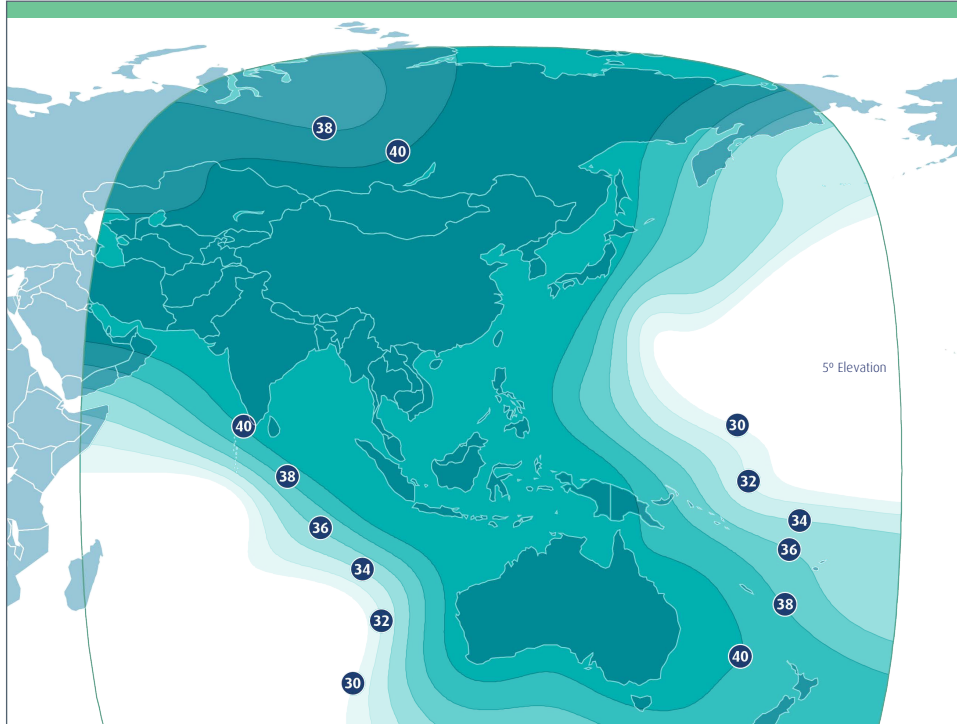
No. of Transponders	28
Transponder Bandwidth	36 MHz
UL/DL Polarisation	Horizontal and Vertical
Coverage	Asia, Middle East, Central Asia and Australasia
TWTA Size	110 watts
TWTA Redundancy	32 for 28
Satellite Receiving G/T	-0.5+ dB/K

Ku-band

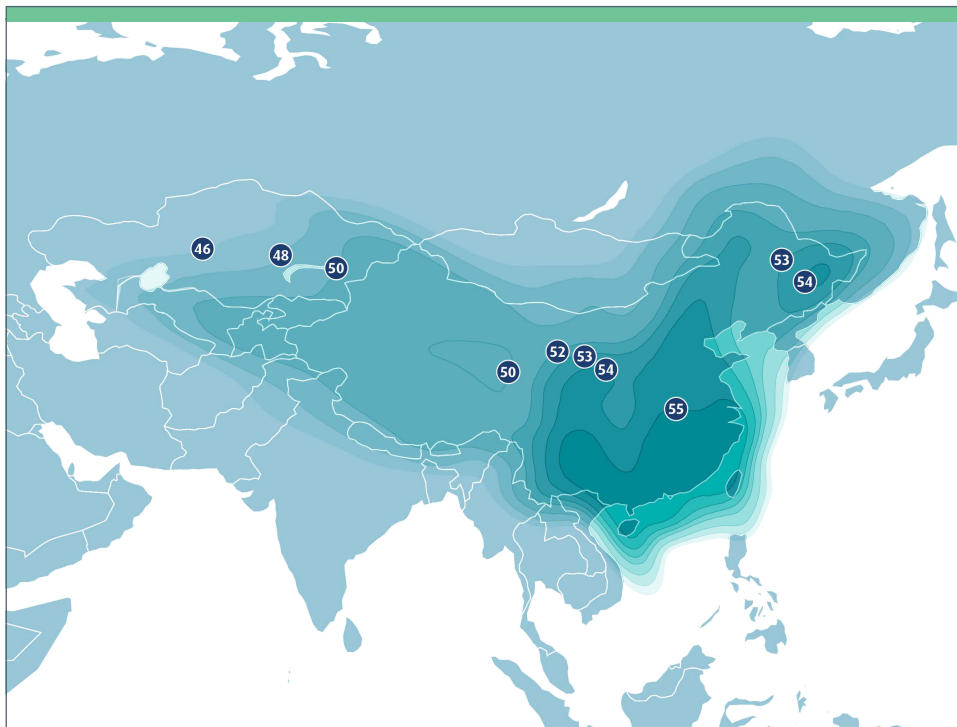
No. of Transponders	32
Transponder Bandwidth	54 MHz
UL/DL Polarisation	Horizontal and Vertical
Coverage	5 Beams: Myanmar, Indonesia, Mongolia, East Asia, Australasia
LNA Redundancy	Australasia: 2 for 1 East Asia/Indonesia: 5 for 3 Mongolia/Myanmar: 4 for 2
TWTA Size	200 watts

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C-BAND GLOBAL BEAM EIRP (dBW)

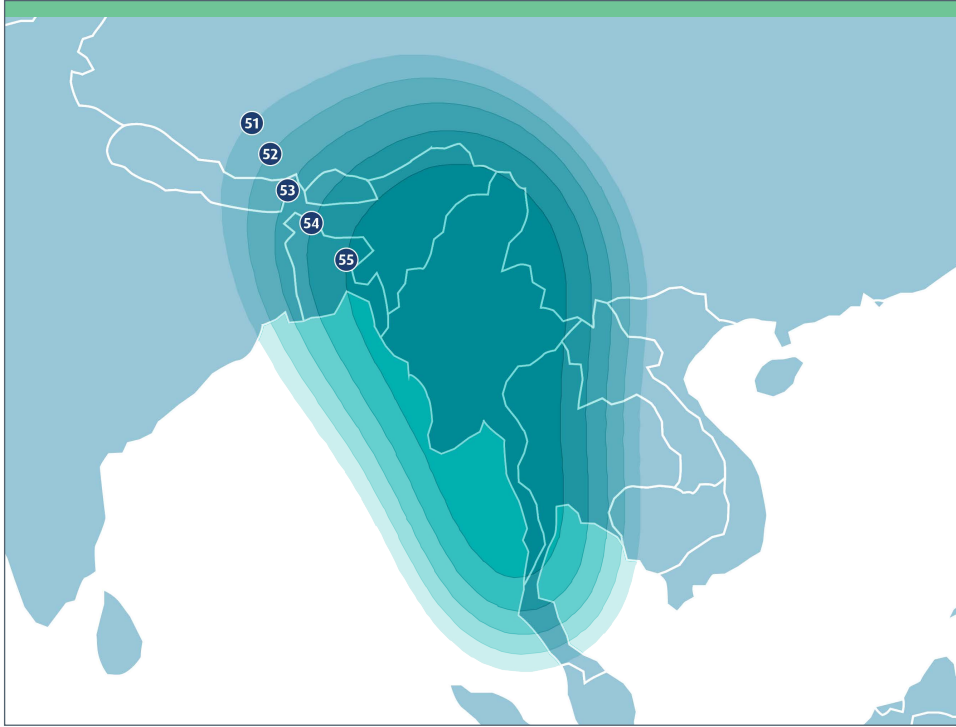


KU-BAND EAST ASIA BEAM EIRP (dBW)

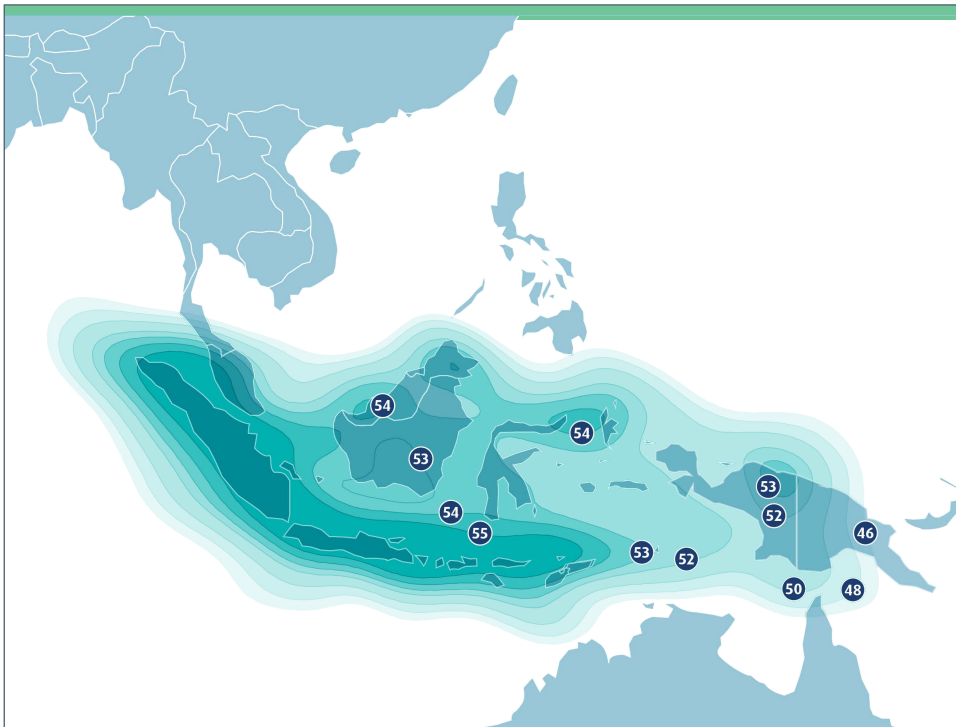


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KU-BAND MYANMAR BEAM EIRP (dBW)

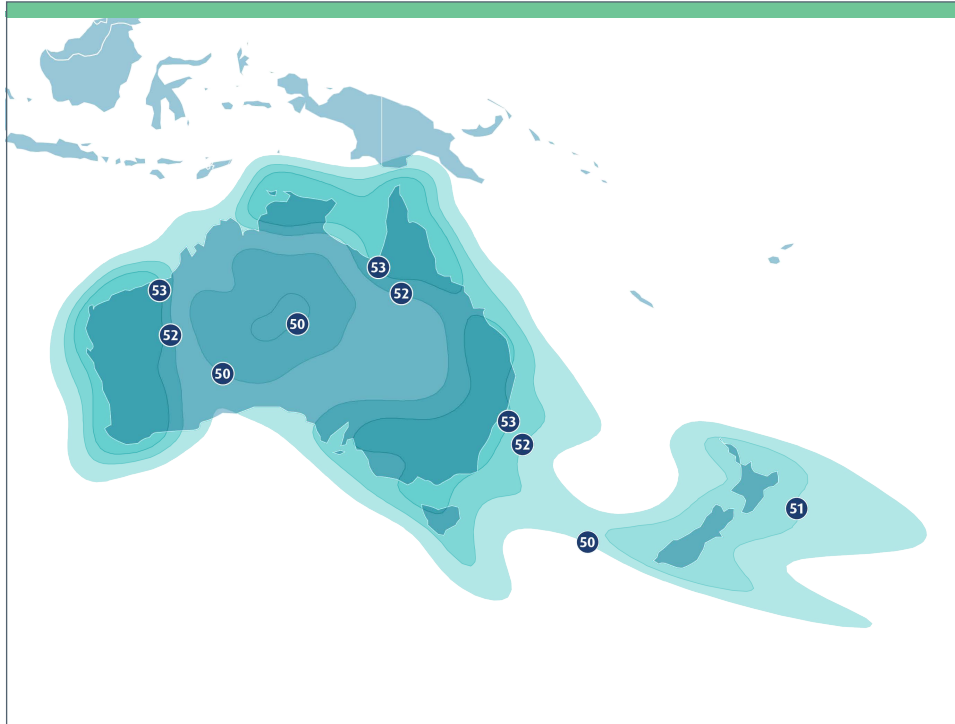


KU-BAND INDONESIA BEAM EIRP (dBW)



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KU-BAND AUSTRALASIA BEAM EIRP (dBW)



KU-BAND MONGOLIA BEAM EIRP (dBW)

