ASIASAT 9
122ᵒE

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

UNIQUE BENEFITS

- 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

- Doubling spectral density (bit/Hz) to support higher mod/cod with 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 1300E
Design Life	15+ years
Nominal Orbital Location	122°E

LAUNCH

Planned for 28 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 FSS

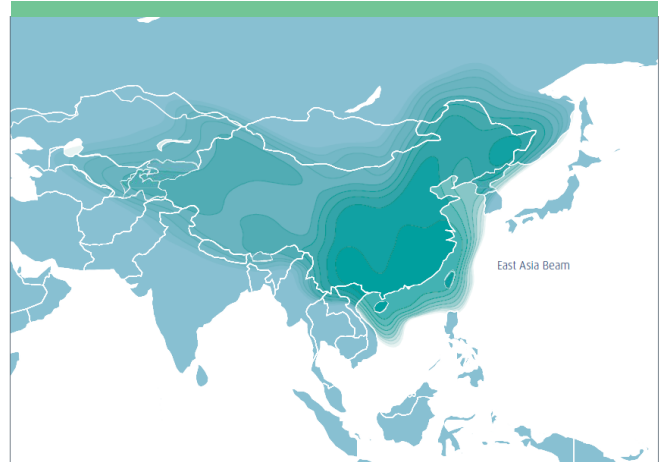|	
No. of Transponders	32
Transponder Bandwidth	54 MHz
UL/DL Polarisation	Horizontal and Vertical
Coverage	5 Beams: Myanmar, Indonesia, Mongolia, East Asia, Australasia
LNA Redundancy	Australasia: 2 for 1 East Asia/Indonesia: 5 for 3 Mongolia/Myanmar: 4 for 2
TWTA Size	200 watts

ASIASAT 9
122ºE

C-BAND GLOBAL BEAM
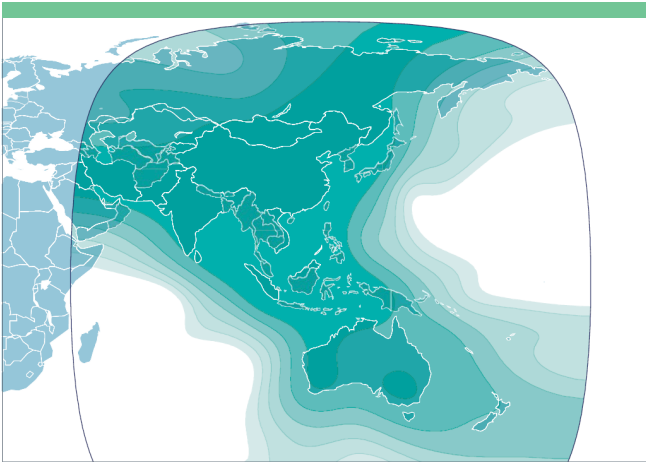
KU-BAND EAST ASIA BEAM

East Asia Beam

KU-BAND INDONESIA AND AUSTRALASIA BEAMS

Indonesia Beam

Australasia Beam
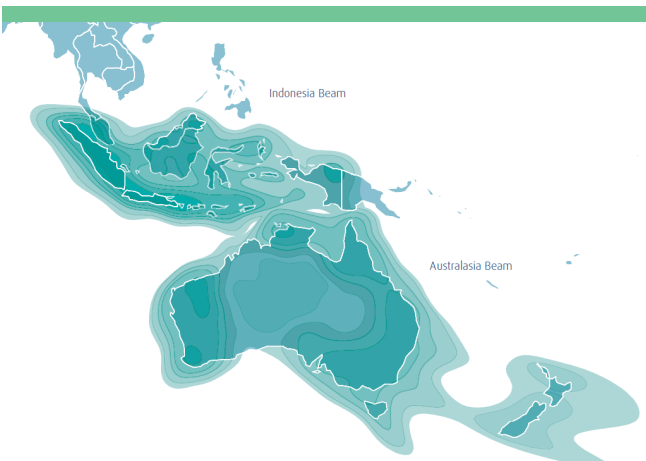
KU-BAND MYANMAR AND MONGOLIA BEAMS

Mongolia Beam

Myanmar Beam