ASIASAT 4
122°E

High performance satellite for region-wide coverage and connectivity

**UNIQUE FEATURES**

- Superior satellite platform for video distribution, DTH and broadband networks
- Region-wide C-band coverage over Asia and Australasia
- High-power Ku-band beams for Australasia and East Asia
- Excellent “look angles” across footprints
- Switching capability of Ku-band transponders for flexible network connectivity
- Transponders with linearisers or gain control amplifiers for optimal performance
- Fleet-wide reliability with full in-orbit backup compatibility

**THE SPACECRAFT**

- Designed/Built by: Boeing Satellite Systems
- Model: Boeing 601HP
- Design Life: 15 years
- Nominal Orbital Location: 122°E

**LAUNCH**

11 April 2003 by Atlas IIIB rocket from Cape Canaveral, Florida, U.S.A.

**COMMUNICATIONS PAYLOAD**

**C-band**

- No. of Transponders: 28 (linearised)
- Transponder Bandwidth: 36 MHz
- UL/DL Polarisation: Horizontal and Vertical
- TWTA Size: 55 watts
- TWTA Redundancy: 34 for 28
- Satellite Receiving G/T: 0 dB/K max.
- Receiver Redundancy: 4 for 2

**Ku-band FSS**

- No. of Transponders: 16 (fixed gain linearised or automatic level control)
- Transponder Bandwidth: 54 MHz and 33 MHz
- UL/DL Polarisation: Horizontal and Vertical
- TWTA Size: 140 watts
- Satellite Receiving G/T: East Asia beam: 8.5 dB/K max. Australasia beam: 5.0 dB/K max.
- LNA Redundancy: East Asia beam: 4 for 2 Australasia beam: 2 for 1
- Downconverter Redundancy: East Asia and Australasia beams: 5 for 3

*Note: Technical data is for reference only. AsiaSat Proprietary, March 2015*