



ST-3 (ABS-2, KoreaSat-8) at 75°E Satellite details

Orbital Position: 75° E

Manufacturer: Space Systems/Loral

Launch date: 06 Feb 2014

Launch vehicle: Ariane 5ECA

Expected lifetime: 15+ years

Note: In 2014 the Ku-band transponders failed.

Note: [Asia Broadcast](#) is leasing capacity to SingTel & [KT Telecom](#) and are branding by using different names.

Key Highlights

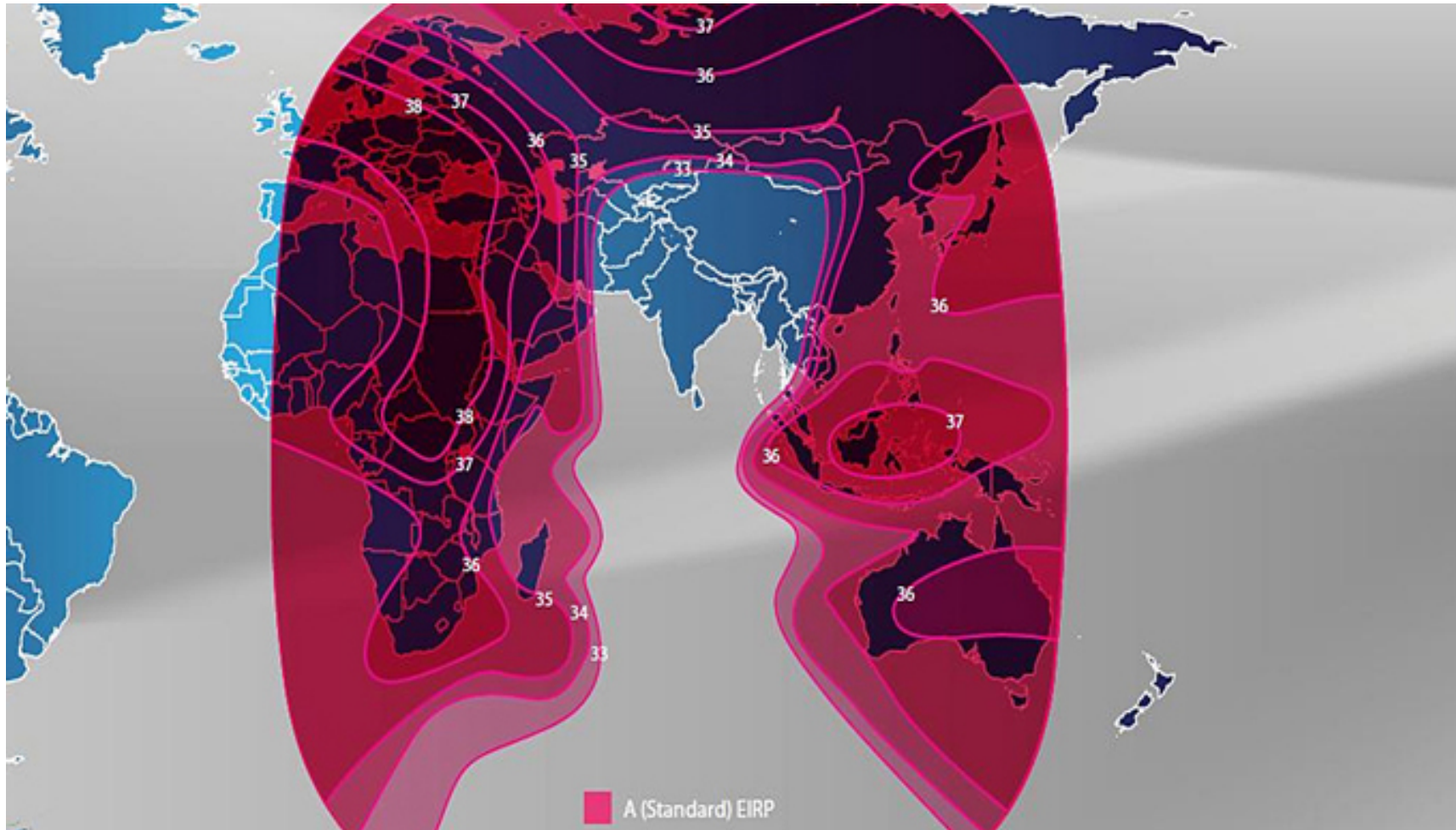
- Brings substantial new capacity to our prime location at 75°E, serving four continents
- 6 dedicated high powered Ku-band beams for DTH services in the Eastern Hemisphere
- Multiple options for Ku-band connectivity
- Industry leading high powered C-band beams for Africa and SE Asia connectivity requirements
- Ka-band beam targeting the MENA region offers cost effective solutions for commercial and military applications
- Built by Space Systems/Loral FS 1300 launched in February 2014



Parameter	C-Band	Ku-Band	Ka-Band
Number of Transponders	Up to 32	Up to 51	Up to 6 (Commercial & Military Bands)
Transponder Bandwidth (MHz)	36, 72 & 104	54 & 108	435 (Commercial) & 225 (Military)
Uplink / Downlink Frequencies (GHz)	Standard & Extended	FSS & BSS	Commercial & Military
Uplink / Downlink Signal Polarization	Linear H & V	Linear H & V	Circular RHCP & LHCP
Cross-Polarization Separation (dB)	Better than 27	Better than 27	Better than 27
EIRP (Peak Value) (dBW)	45	53	49
TWTA Size (Watts)	62	143	115
TWTA Redundancy	34	52	6
G/T (Peak Value) (dB/K)	+6	+7	+5



ST-3 Satellite Footprint Pan-Asia C-band A Beam





ST-3 Satellite Footprint Pan-Asia C-band B Beam





ST-3 Satellite Footprint Pan-Africa C-band Regional Beam

