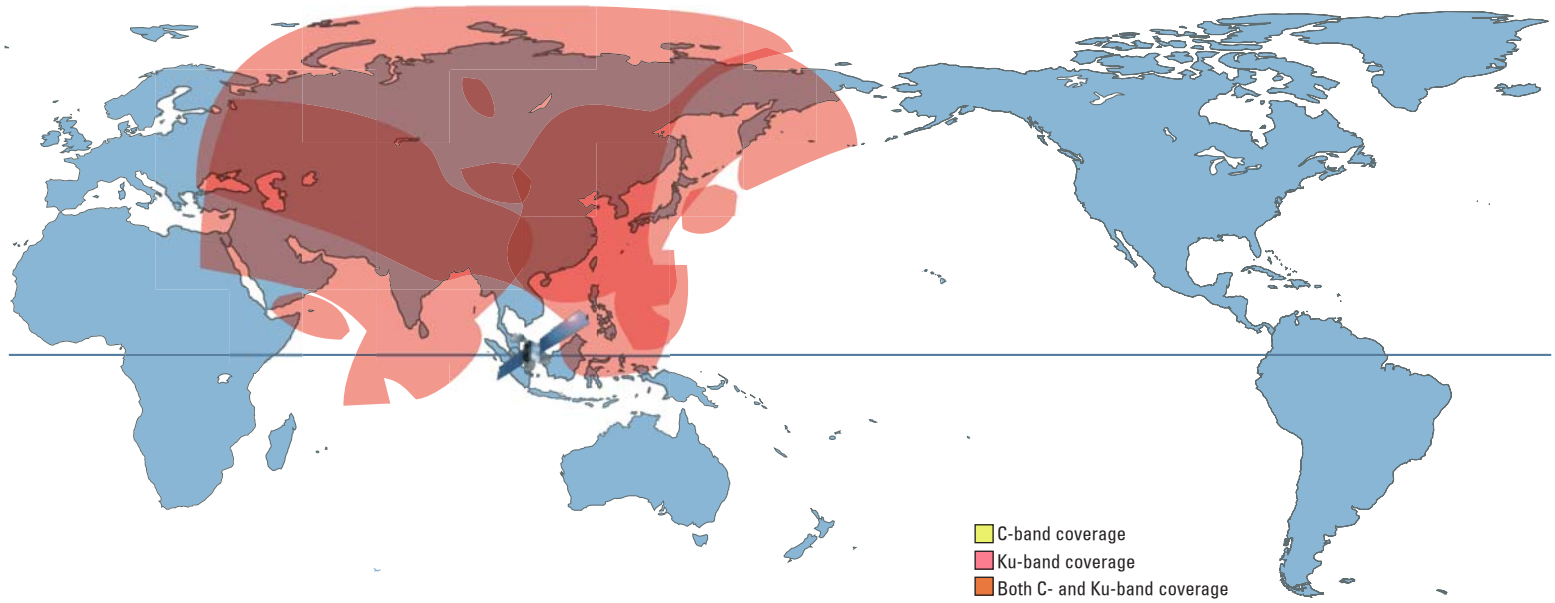
SES AMERICOM
An SES GLOBAL Company

AAP-1 SATELLITE

108.2° E.L. | Ku-band | Asia



AAP-1 is an advanced Lockheed Martin satellite of the A2100 class, a high-power, all Ku-Band FSS satellite with coverage of China, North-East Asia, Philippines and South Asia. The A2100 satellite series combines highest reliability with the most advanced satellite bus technology and communications payload performance features.

From its position at 108.2 degrees East, AAP-1 offers to telecom operators, broadcasters, Internet service providers and other private or government agencies the ability to provide a variety of satellite-based services. This satellite was formerly referred to as WORLDSAT-1.

Satellite transponder information

Spacecraft design	Lockheed Martin A2100AX
Launch Date/Vehicle	October, 2000 / Proton DM
Orbital location	108.2° E.L
Polarization	Linear
Ku-band payload	28 x 36 MHz
Amp type	TWTA, 120-watt
Ku-band frequencies	14.00 - 14.50 GHz uplink 12.25 - 12.75 GHz downlink
Coverage	N.E. Asia, The Philippines, China, South Asia
Receiver redundancy	6 for 4
Transponder redundancy	11 for 8

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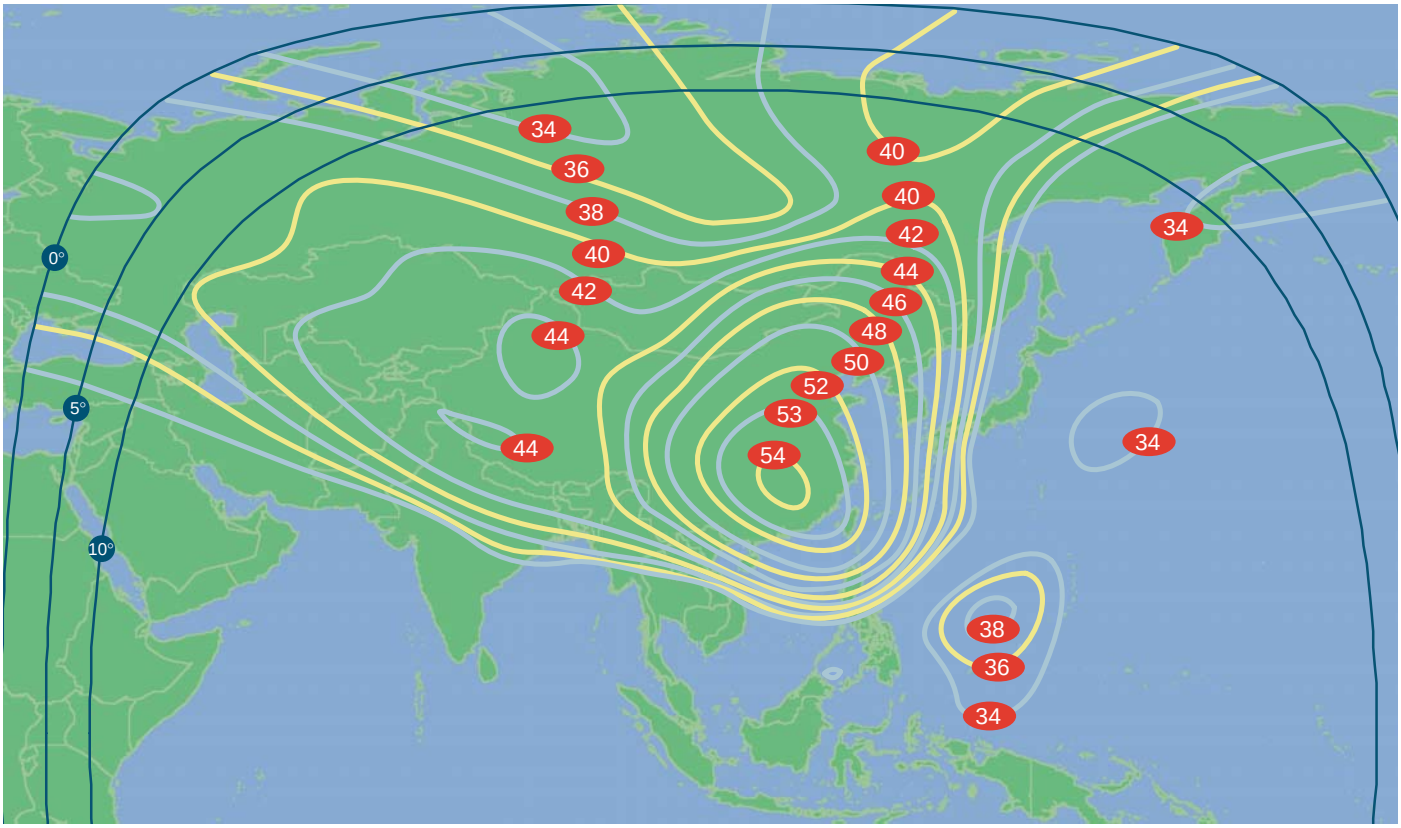
China Beam Typical EIRP Performance



MAJOR CITIES	NOM-G/T dB/K	NOM-EIRP dBW	ELEVATION ANGLE
Beijing, China	2.9	52.2	43.0°
Fuzhou, China	5.5	54.0	57.0°
Guangzhou, China	4.4	53.2	62.0°
Hong Kong	4.0	52.9	63.0°
Nanjing, China	5.4	53.6	51.0°
Shanghai, China	4.1	52.9	51.0°
Taipei, Taiwan	4.3	53.4	57.0°
Xlan, China	3.6	52.9	50.0°

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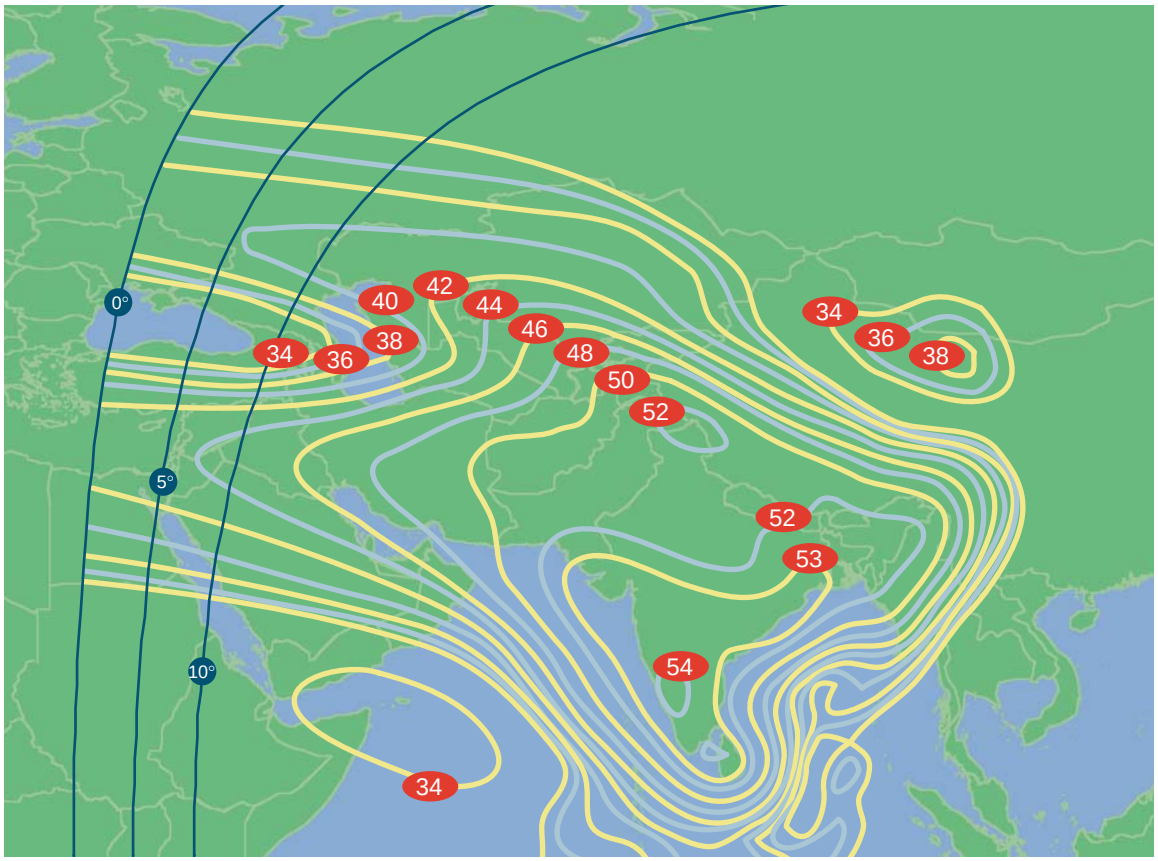
South Asia Beam Typical EIRP Performance



MAJOR CITIES	NOM-G/T dB/K	NOM-EIRP dBW	ELEVATION ANGLE
Bangalore, India	5.0	54.3	51.8°
Calcutta, India	4.2	53.6	55.5°
Colombo, Sri Lanka	5.1	54.3	56.3°
Delhi, India	3.1	52.0	42.5°
Dhaka, Bangladesh	2.9	52.9	55.9°
Dubai, U.A.E.	2.0	47.8	25.0°
Islamabad, Pakistan	2.9	51.9	36.0°
Karachi, Pakistan	3.9	53.0	36.3°
Mumbai (Bombay), India	5.0	54.1	44.4°
Samarkand, Uzbekistan	1.6	49.1	28.0°

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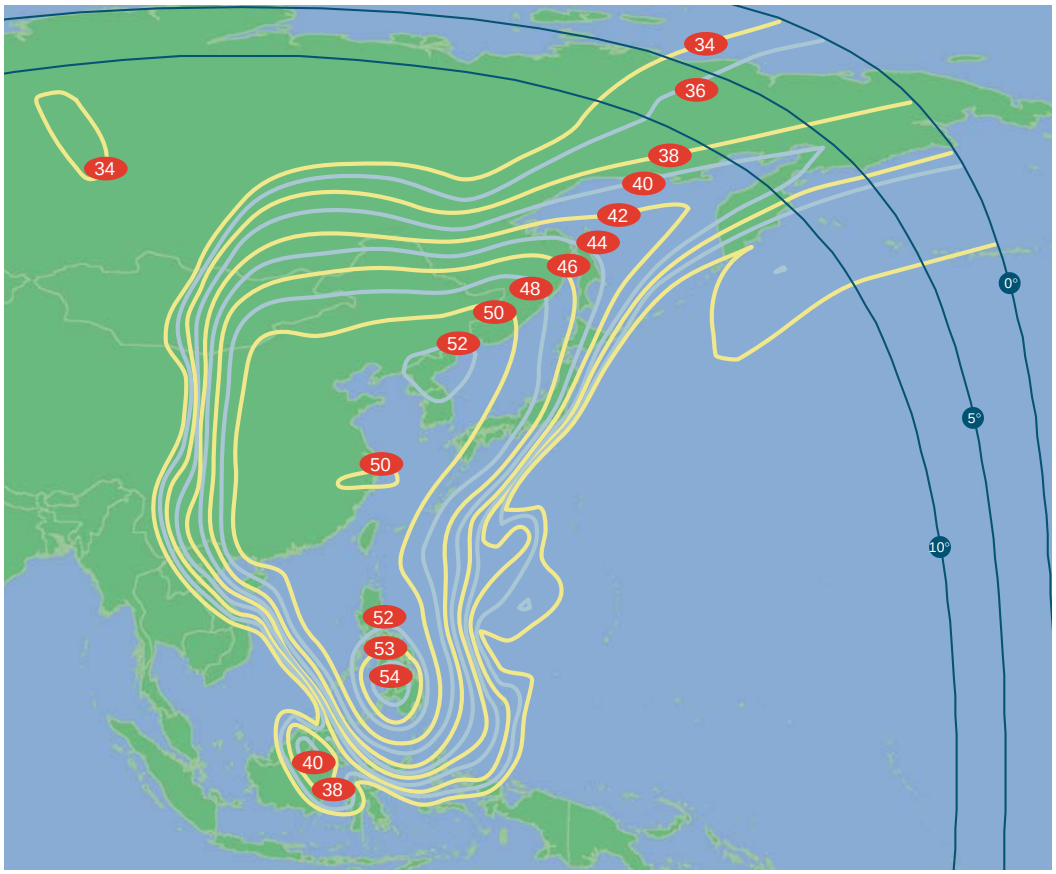
North-East Asia Beam Typical EIRP Performance



MAJOR CITIES	NOM-G/T dB/K	NOM-EIRP dBW	ELEVATION ANGLE
Beijing, China	1.4	51.3	43.0°
Fukuoka, Japan	1.0	50.3	44.0°
Guangzhou, China	1.2	50.5	62.0°
Hong Kong	1.1	50.9	63.0°
Manila, Philippines	5.5	51.8	67.2°
Pusan, South Korea	1.3	51.6	44.0°
Shanghai, China	3.5	50.4	51.0°
Seoul, South Korea	3.1	52.4	42.2°
Taipei, Taiwan	4.5	51.2	57.0°