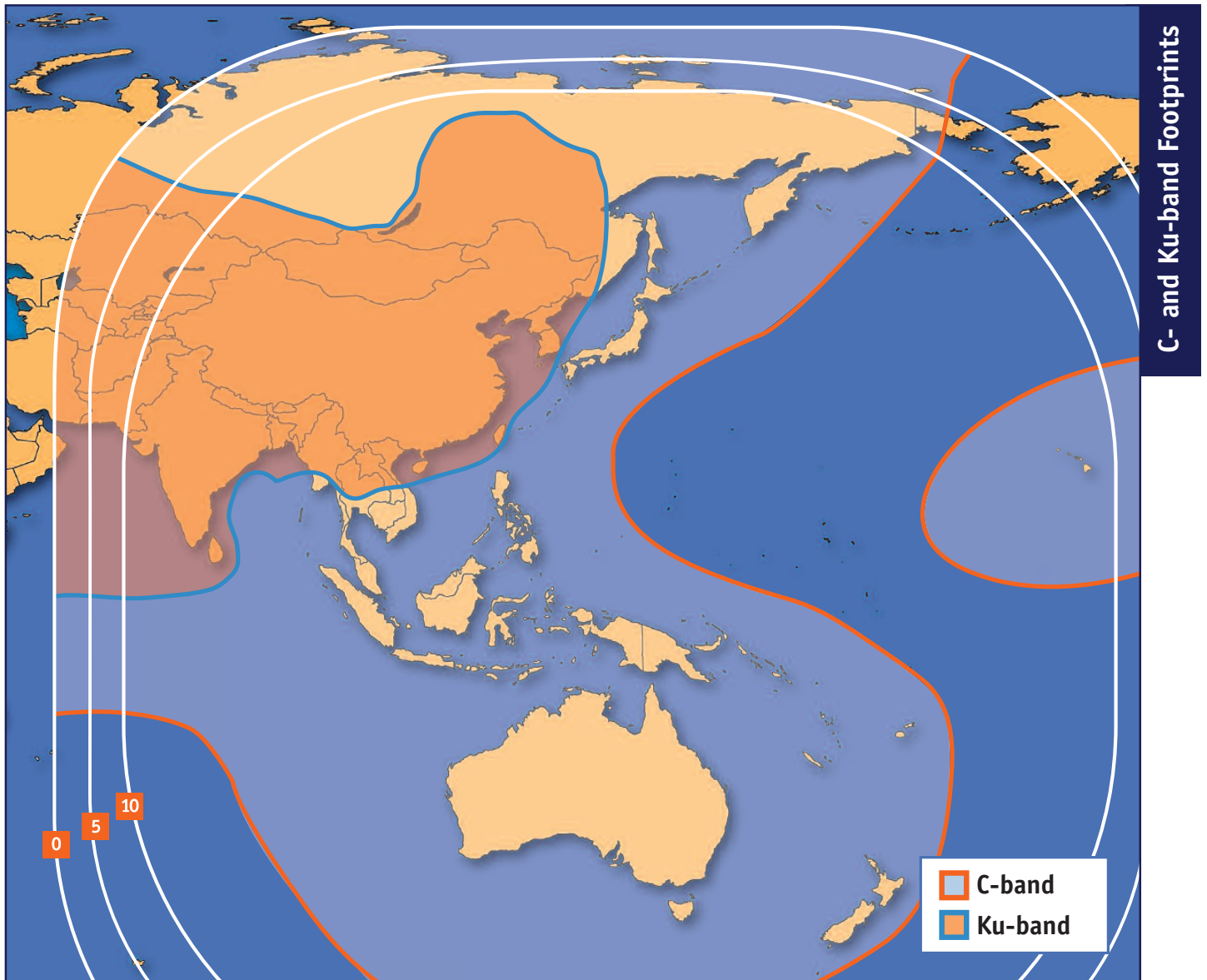


COVERAGE

Telstar 18 is a hybrid satellite operating in the standard and extended C-band frequency ranges and the standard Ku-band frequency range. Telstar 18 covers China, Hawaii, Hong Kong, the Indian sub-continent, Korea, New Zealand, the South Pacific Islands and Taiwan.

Began Service
August 2004



C-band Payload

Transponders

- 18 C-band:
- 12 Standard C-band transponders @ 36 MHz
 - 1 Extended C-band transponder @ 54 MHz
 - 5 Extended C-band transponders @ 36 MHz

Polarization

Orthogonal Linear

Frequency

Standard

Uplink: 5.925 to 6.425 GHz
Downlink: 3.7 to 4.2 GHz

Extended

Uplink: 5.85 to 5.925 GHz and 6.425 to 6.65 GHz
Downlink: 3.4 to 3.7 GHz

Saturation Flux Density

-76 to -104 dBW/m²

Ku-band Payload

Transponders

- 7 Ku-band:
- 1 @ 40 MHz
 - 6 @ 54 MHz

Polarization

Orthogonal Linear

Frequency

Uplink: 14.0 to 14.5 GHz
Downlink: 12.25 to 12.75 GHz

Saturation Flux Density

-76 to -104 dBW/m²

Telstar 18 138° E

EIRP AND G/T TABLES

C-band

Location	Typical EIRP (dBW)	Typical G/T (dB/K)
Agana, Guam	31.9	-11.1
Aname, Vanuatu	33.9	-8.9
Bangalore, India	39.0	-3.8
Bangkok, Thailand	39.8	0.2
Beijing, China	39.8	-2.9
Colombo, Sri Lanka	38.9	-4.0
Ho Chi Minh City, Vietnam	39.5	0.8
Hong Kong, China	39.5	-2.9
Honolulu, Hawaii, U.S.	37.1	-4.8
Jakarta, Indonesia	39.1	-4.7
Karachi, Pakistan	38.3	-5.3
Katmandu, Nepal	39.0	-3.4
Manila, Philippines	38.6	-4.3
New Delhi, India	38.6	-4.4
Pea, Tonga	32.9	-10.4
Port Moresby, Papua New Guinea	36.7	-8.5
Seoul, South Korea	37.9	-4.6
Shanghai, China	38.9	-4.2
Singapore, Singapore	40.4	-1.6
Sydney, Australia	34.1	-9.2
Taipei, Taiwan	38.5	-5.0
Tokyo, Japan	33.8	-9.2
Ulan Batar, Mongolia	39.3	-4.5
Wellington, New Zealand	32.3	-10.9

Ku-band

Location	Typical EIRP (dBW)	Typical G/T (dB/K)
Beijing, China	49.4	3.0
Colombo, Sri Lanka	47.4	0.5
Hong Kong, China	50.8	5.6
Karachi, Pakistan	45.8	-3.0
Katmandu, Nepal	50.4	3.5
New Delhi, India	48.3	1.5
Seoul, South Korea	48.6	1.4
Shanghai, China	50.6	4.6
Taipei, Taiwan	50.6	4.3

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+1.888.759.6382 (24-hour service)

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+1.800.786.7466

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Munich, Germany
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