

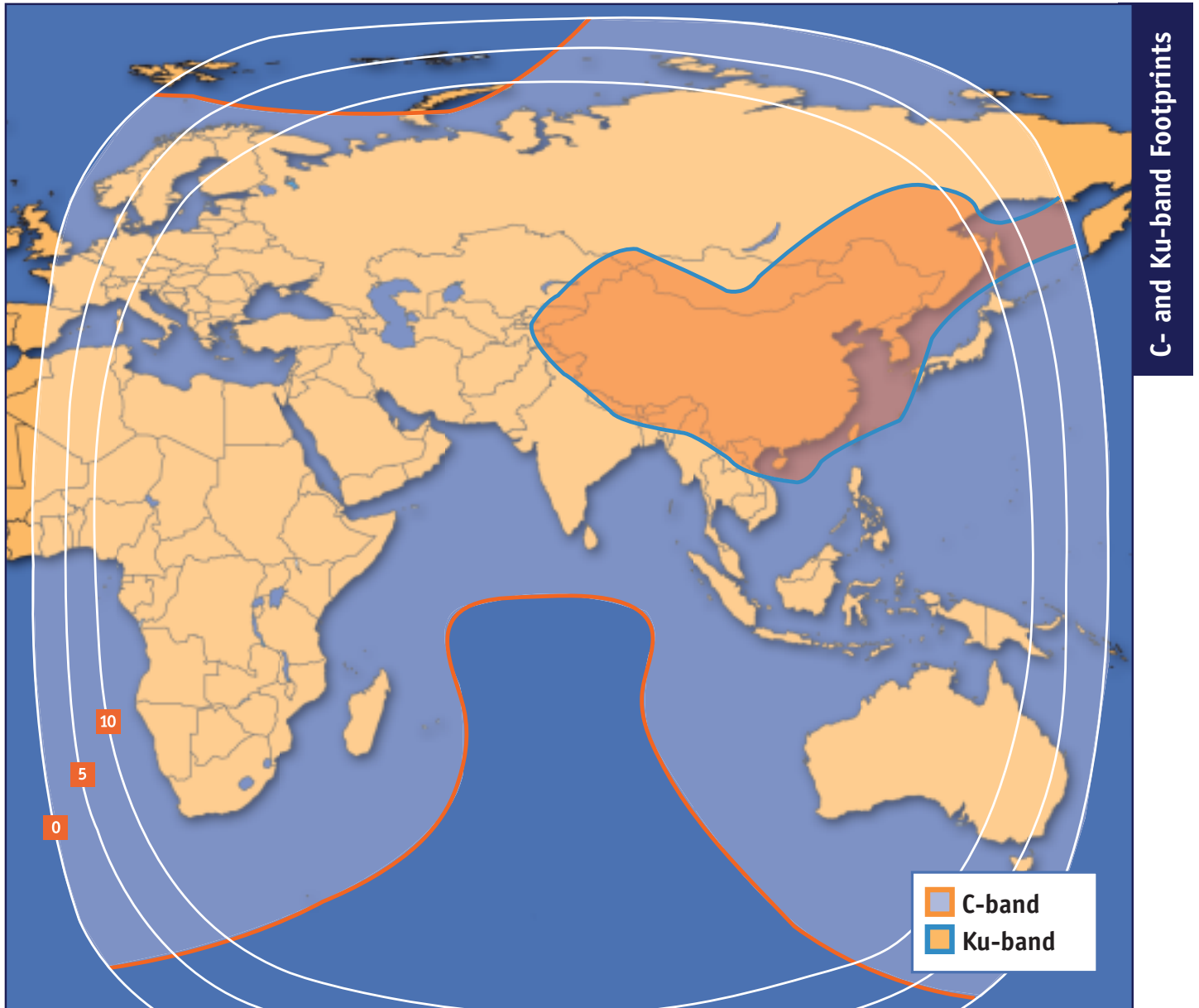
Telstar 10 76.5° E



COVERAGE

Telstar 10 is a hybrid satellite operating in the standard and extended C-bands and the standard Ku-band. Telstar 10 covers Asia, Japan, Australia, and parts of Europe and Africa. The Ku-band payload has focused coverage of China and Korea, including Hong Kong, Macau, and Taiwan.

Began Service
December 1997



C-band Payload

Transponders

- 28 C-band:
 - 27 Standard/Extended C-band transponders @ 36 MHz
 - 1 Extended C-band transponder @ 30 MHz

Polarization

Dual 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
Downlink: 3.62 to 3.7 GHz

Saturation Flux Density
-77 to -98 dBW/m²

Ku-band Payload

Transponders

- 16 Ku-band:
 - 1 @ 36 MHz
 - 15 @ 54 MHz

Polarization

Dual Linear

Frequency

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

Saturation Flux Density
-77 to -98 dBW/m²

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EIRP AND G/T TABLES

C-band

Location	Typical EIRP (dBW)	Typical G/T (dB/K)
Al-Kuwait, Kuwait	38.5	-1.9
Athens, Greece	38.4	-5.1
Baghdad, Iraq	38.6	-2.7
Baku, Azerbaijan	38.2	-3.9
Bangalore, India	40.4	-3.6
Bangkok, Thailand	39.5	-3.6
Beijing, China	40.1	-2.2
Berlin, Germany	37.5	-5.9
Cairo, Egypt	38.5	-4.0
Jakarta, Indonesia	37.4	-3.9
Johannesburg, South Africa	39.0	-3.6
Kabul, Afghanistan	39.2	-3.5
Kuala Lumpur, Malaysia	38.6	-4.3
Manila, Philippines	38.6	-5.3
Nairobi, Kenya	35.7	-5.6
New Delhi, India	39.5	-3.8
Perth, Australia	36.0	-8.3
Riyadh, Saudi Arabia	38.5	-2.7
Rome, Italy	37.9	-5.7
Seoul, South Korea	39.9	-3.9
Shanghai, China	39.9	-3.2
Singapore, Singapore	38.4	-4.1
Tashkent, Uzbekistan	38.8	-4.9
Tokyo, Japan	38.6	-6.9

Ku-band Beam 1

Location	Typical EIRP (dBW)	Typical G/T (dB/K)
Beijing, China	51.2	5.3
Hong Kong, China	53.0	7.5
Seoul, South Korea	47.2	-1.6
Shanghai, China	53.0	5.7
Taipei, Taiwan	52.4	5.3

Ku-band Beam 2

Location	Typical EIRP (dBW)	Typical G/T (dB/K)
Beijing, China	51.6	5.2
Hong Kong, China	56.6	7.3
Seoul, South Korea	44.4	-1.5
Shanghai, China	51.5	5.6
Taipei, Taiwan	56.2	5.1

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