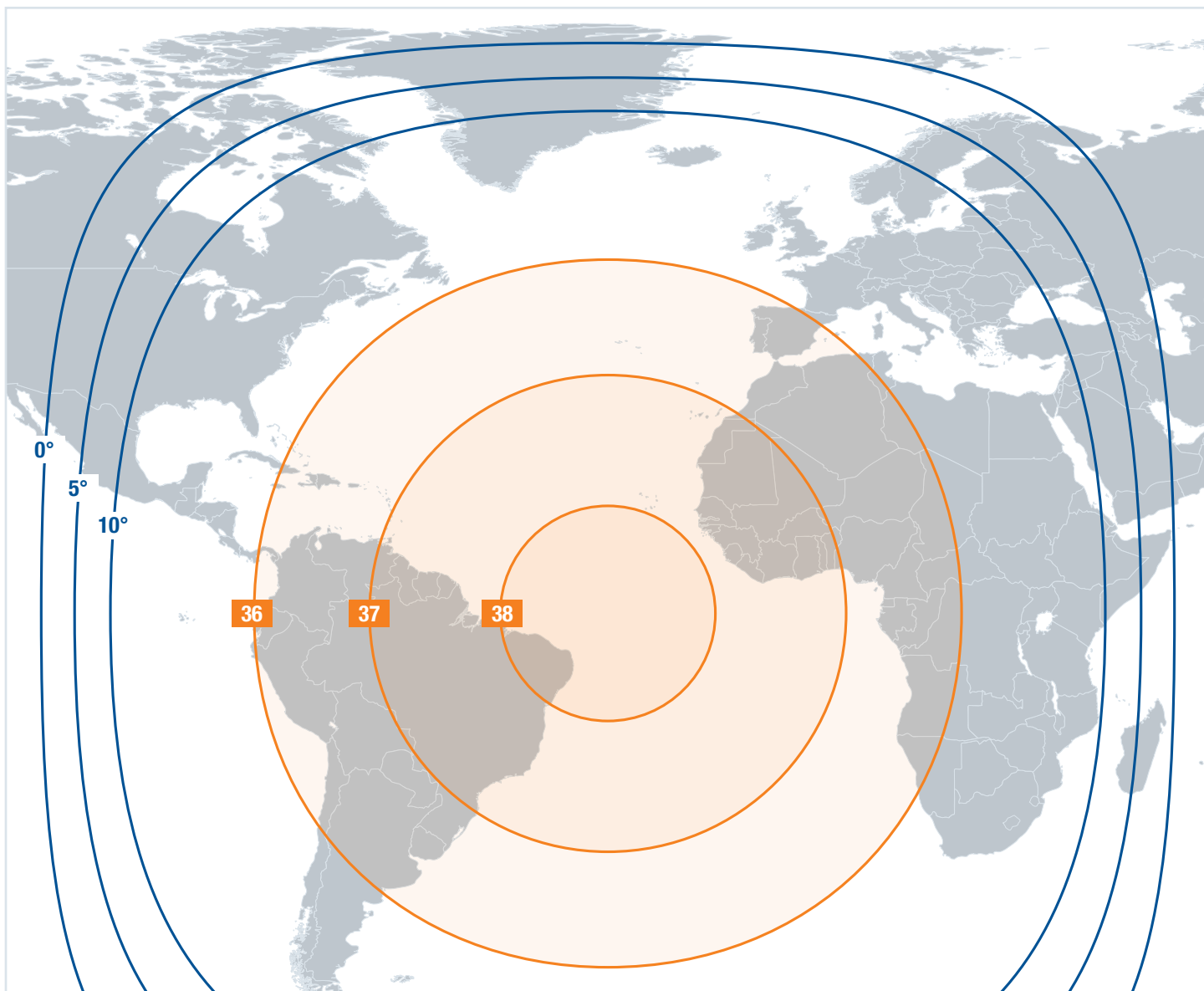




COVERAGE

XTAR is the world's first satellite system developed exclusively for commercial X-band services. XTAR-LANT provides commercial X-band services to U.S., European and Allied government agencies and military forces. Its coverage encompasses a region extending from Denver in the United States to Europe, South America, Africa, and the Middle East.



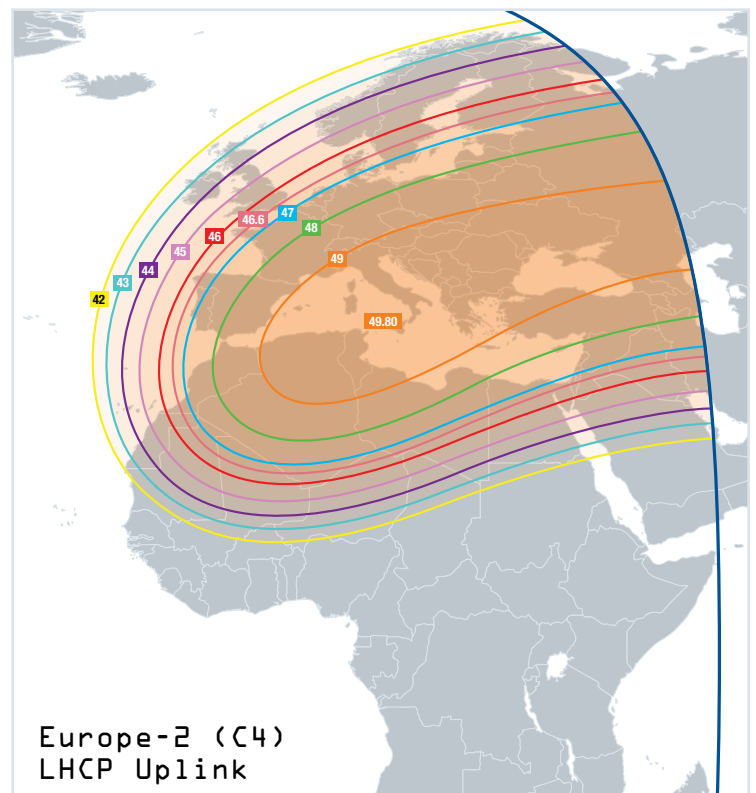
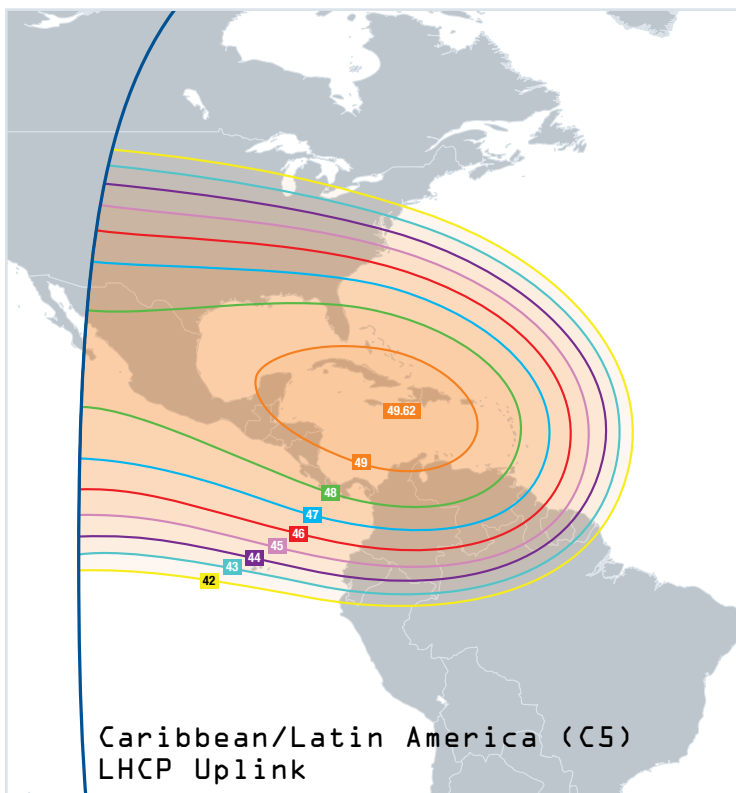
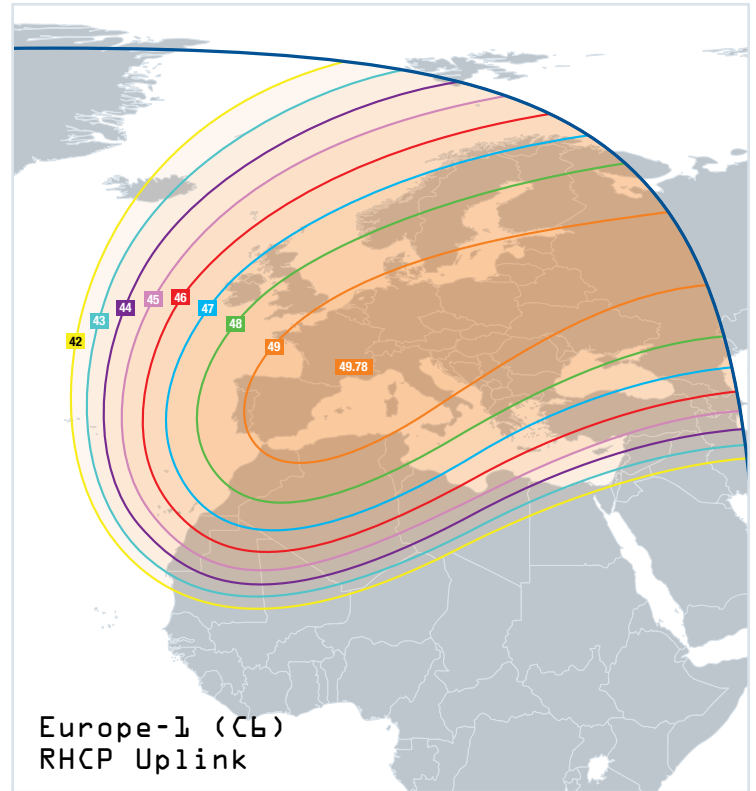
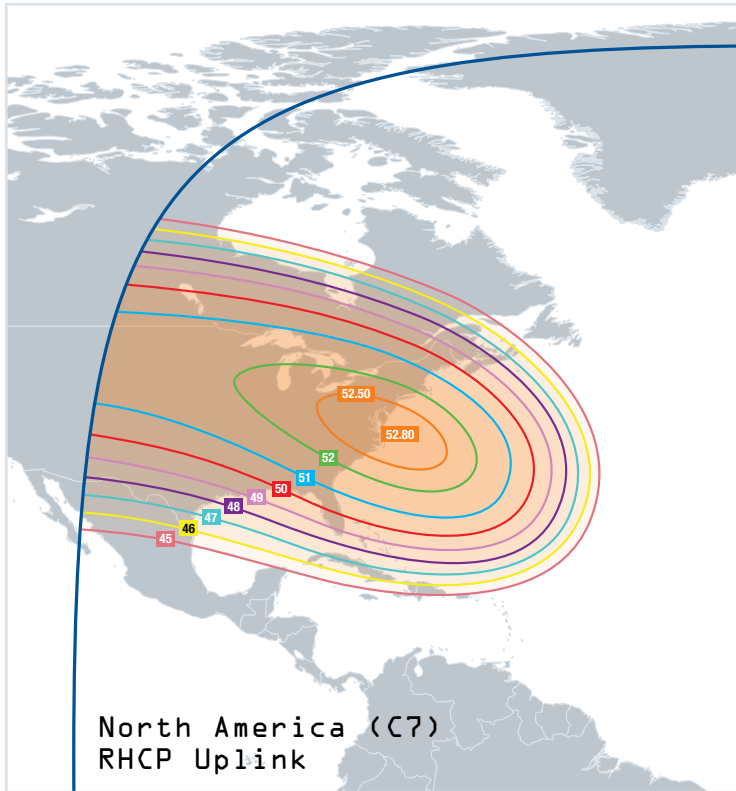
SPACECRAFT	
Bus	LS-1300 (3 axis controlled)
Propulsion	Bi-Propellant
Attitude	Bias Momentum
Power	4165 W (Autumnal Equinox)
Mass	2229 kg (Beginning of Life)
Life	>15 Years

PAYLOAD	
Transponders	8
- RHCP	4
- LHCP	4
Transponder Power	100 W
Transponder Size	72 MHz
Frequency Range	7.9 - 8.4 GHz (TX) 7.25 - 7.75 GHz (RX)
Redundancy	19:13 100 W TWTA's
Total Usable Capacity	576 MHz

ANTENNA COVERAGE	
Global Beams	2 (1 RHCP up/LHCP down) (1 LHCP up/RHCP down)
Fixed Beams	1 (3° RHCP up/LHCP down)
Steerable Beams	3 (4.5°) (1 RHCP up/LHCP down) (2 LHCP up/RHCP down)
Total Beams	6

Triband (X/mil-Ka/UHF) NextGeneration Replacement Scheduled 2031

Featuring High Powered Spot Beams



*Spot beams subject to change

STEERABLE SPOT BEAMS FEATURES:

XTAR-LANT employs one fixed and three steerable spot beams with the following characteristics:

- Pointing range anywhere within the reach of the global beam
- LHCP and RHCP beams may be stacked, providing additional bandwidth in high-demand regions
- Connectivity up & down within beam, spot-to-global, and spot-to-spot