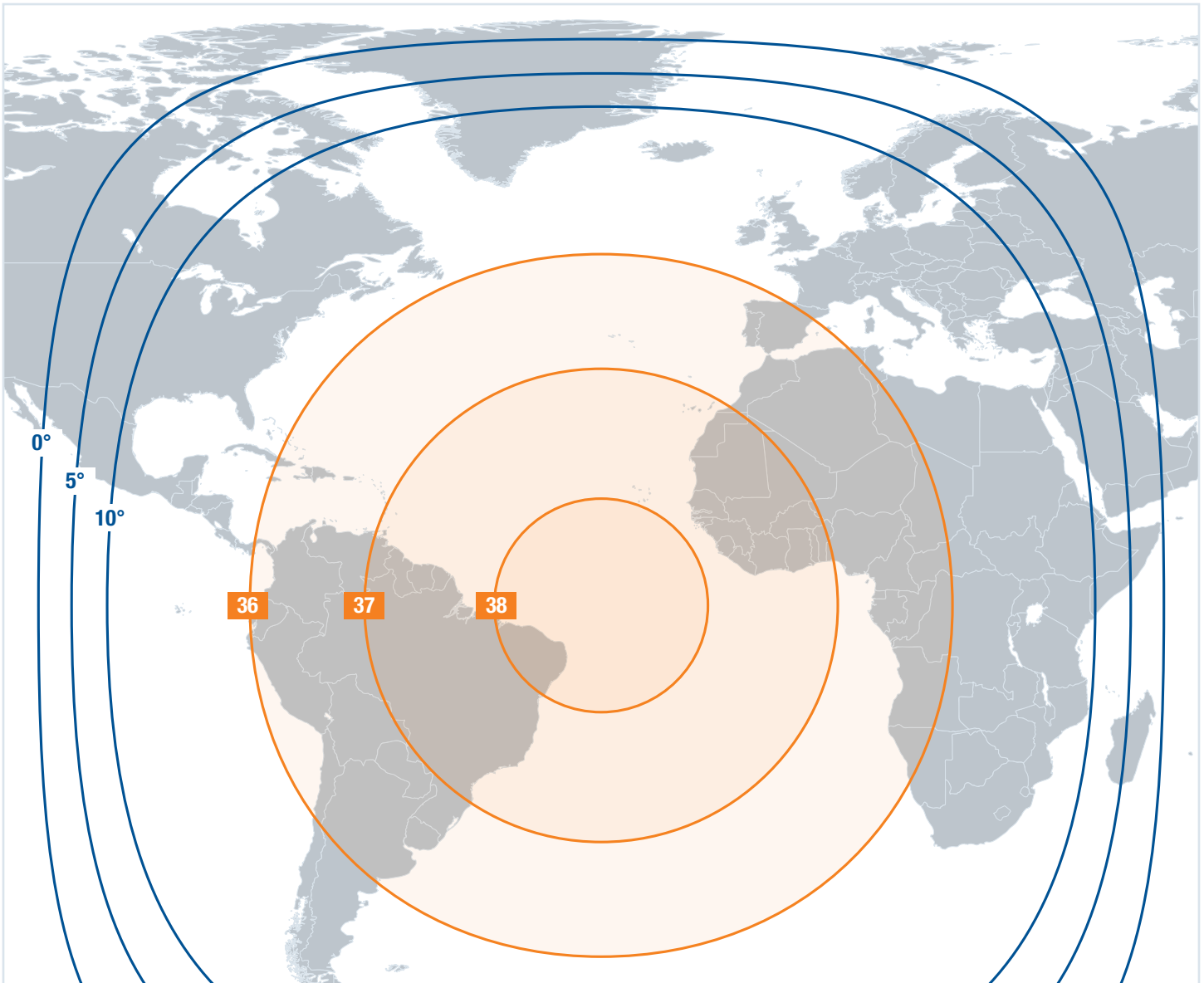


COVERAGE

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 the South American and African continents and the Middle East.



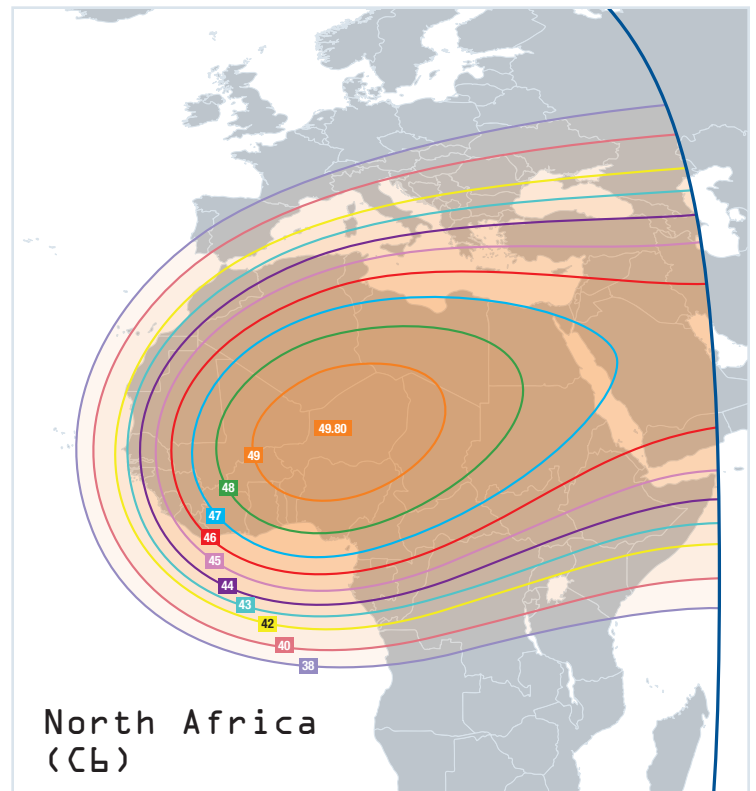
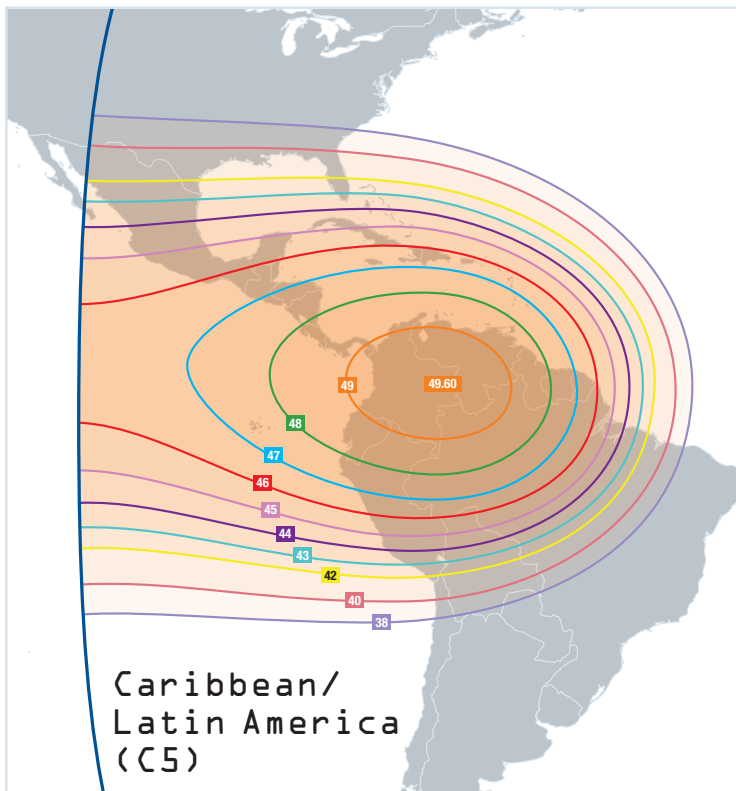
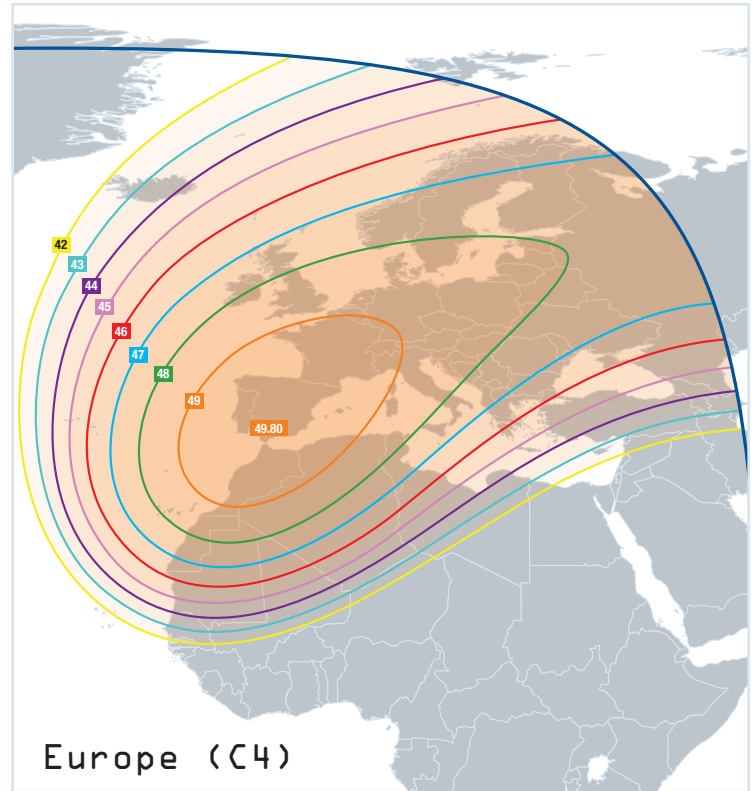
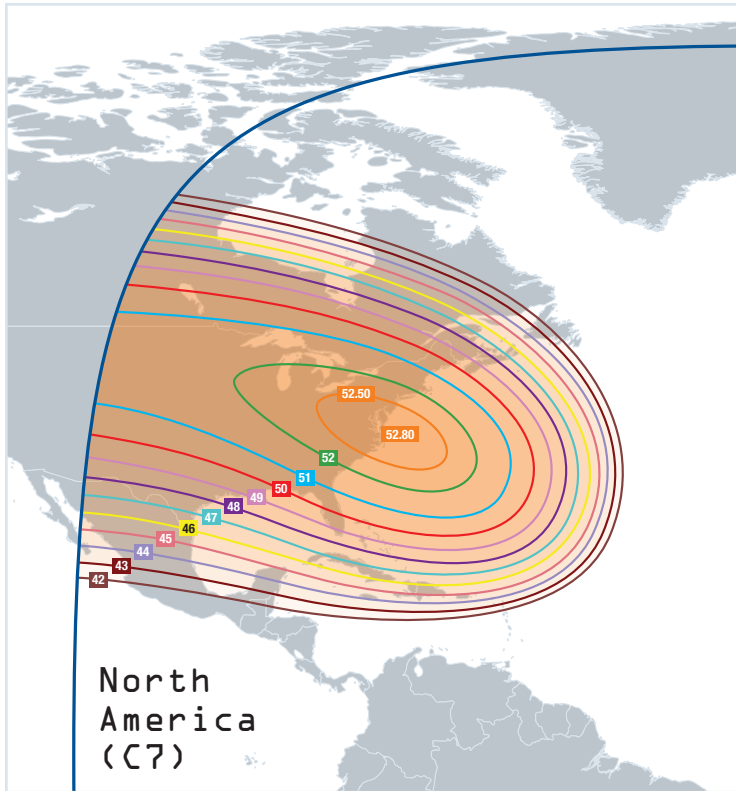
XTAR-LANT

SPACECRAFT	
Bus	LS-1300 (3 axis controlled)
Propulsion	Bi-Propellant
Attitude	Bias Momentum
Power	5773-W BOL (4135-W Required)
Mass	3408-kg (Wet Mass)
Life	>15 Years

PAYLOAD	
Transponders	8
- RHCP	4
- LHCP	4
Transponder Power	100 W
Transponder Size	72 MHz
Guard Bands	8 MHz
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/LHCP down)
Fixed Beams	1 (4° RHCP up/LHCP down)
Steerable Beams	3 (4.5°) (1 RHCP up/LHCP down) (2 LHCP up/RHCP down)
Total Beams	6

Featuring High Powered Spot Beams



STEERABLE SPOT BEAMS FEATURES:

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

- Pointing range anywhere within the reach of the global beam
- Stackable allowing additional bandwidth in high demand regions
- Connectivity up & down within beam, spot-to-global, and spot-to-spot