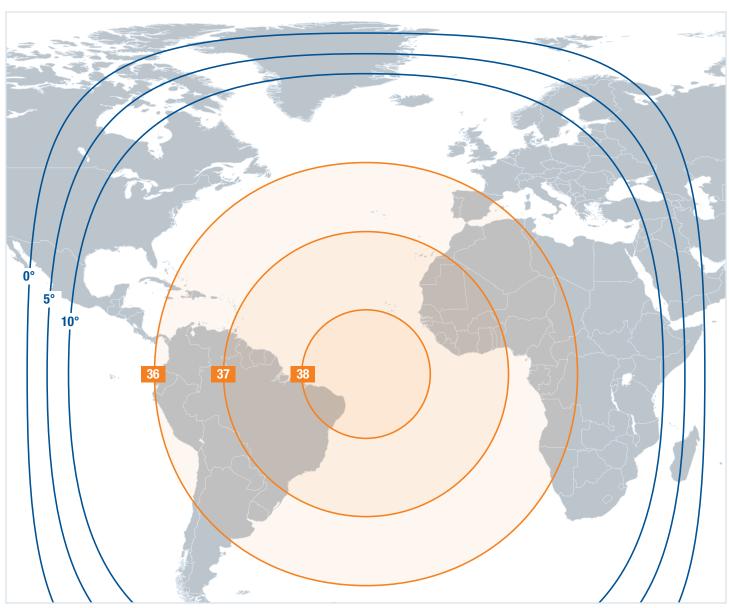


COVERAGE

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.



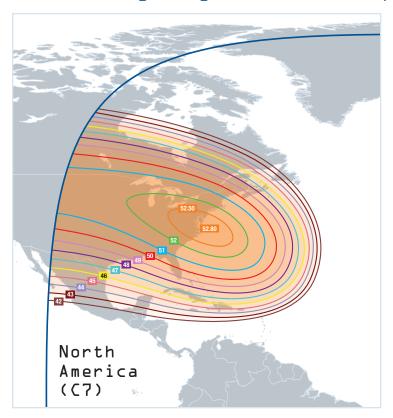
XTAR-LANT

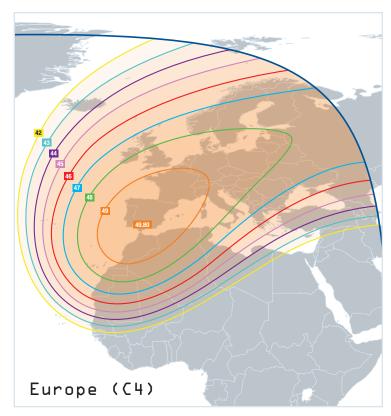
SPACECRAFT	
Bus	LS-1300 (3 axis controlled)
Propulsion	Bi-Propellant
Attitude	Bias Momentum
Power	5773-W BOL (4135-W Required)
Mass	3408-kg (Wet Mass)
Life	>15 Years

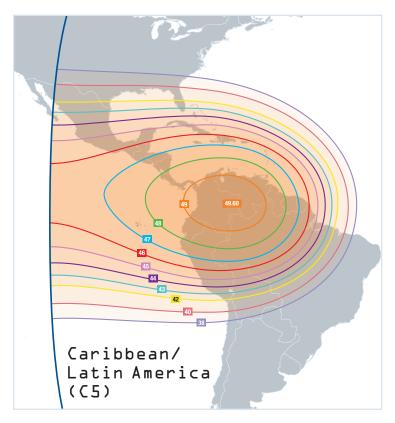
PAYLOAD		
Transponders	8	
- RHCP	4	
- LHCP	4	
Transponder Power	100 W	
Transponder Size	72 MHz	
Guard Bands	8 MHz	
Redundancy	19:13 100 W TWTA's	
Total Usable Capacity	576 MHz	

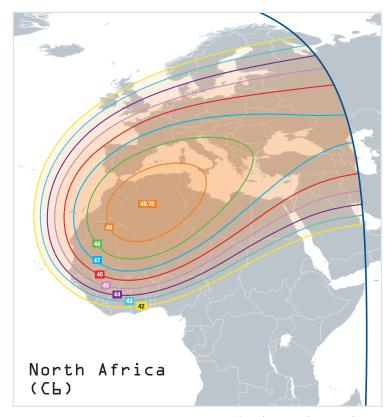
ANTENNA COVERAGE		
Global Beams	2 (1 RHCP up/LHCP down) (1 LHCP up/LHCP down)	
Fixed Beams	1 (4° RHCP up/LHCP down)	
Steerable Beams	3 (4.5°) (1 RHCP up/LHCP down) (2 LHCP up/RHCP down)	
Total Beams	6	

Featuring High Powered Spot Beams









*Spot beams subject to change

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