Features and Benefits

- **Extreme Portability- 80% less volume and weight vs. portable rigid satellite antennas**
- **Lower Cost of Ownership- Drastically reduces shipping expense**
- **Larger dish enables higher bandwidth/lower satellite access cost**
- **Reliability in Extreme Environments- Greater stability in high winds, durable in extreme temperatures MIL-STD-810G tested**
- **Ease of Set Up- Can be set up and on satellite in under 30 minutes 2000 MHz**

GATR 2.4m
Inflatable Satellite Antenna

The GATR Inflatable Satellite Antenna has revolutionized the portable SATCOM industry with its patented, inflatable communications terminal.

An inflatable radome and flexible parabolic reflector mounted at the equator, enables deployment of a 2.4-meter satellite terminal in as few as two airline checkable cases weighing less than 100 lbs each. This reduces pack-out weight and volume by up to 80% compared to deployable rigid antennas, making it ideal for first-in deployments, remote applications and contingency scenarios where transportation and space are limited.

GATR's 2.4m terminal is currently used by U.S. and foreign militaries, intelligence, and homeland security organizations, as well as commercial and non-governmental organizations. Available in Ku-, C-, and WGS Certified X- and Ka-bands.

Type Designator: AN/TSC-212 & AN/TSC-233

GATR 2.4m Inflatable Antenna System

Specifications

Operation						
Set Up Time	< 30 Minutes, 2 Operators					
Case Configuration	**Standard** Antenna Case = 84 lbs Accessories Case = 68 lbs Tri-Band Case (Ku/X/Ka) = 65 lbs			**Enhanced** Antenna Case = 84 lbs Accessories Case = 68 lbs Ku-Band Case = 60 lbs Ka-Band Case = 55 lbs X-Band Case = 82 lbs		
Az/El/Pol	Manual Point & Polarization					
Elevation	5 to 90 Deg					
Azimuth	+/- 10 deg from Stage Center					
Antenna Performance						
Optics	**Prime Focus**					
RF Frequency	**X-Band**		**Ku-Band**		**Ka-Band**	
Polarization	Circular		Linear		Cicular	
G/T (dBi/K)	22.5 @15° Elevation		26.2 @20° Elevation		26.5 @15° Elevation	
Configuration	**Standard**	**Enhanced**	**Standard**	**Enhanced**	**Standard**	**Enhanced**
EIRP (dBW) - Linear	55.6	63	62.5	65.2	63.2	71.5
Amplifier TX Power	25 W	150 W	25 W	100 W	16 W	100 W
Satellite Compliance	FCC Licensed, ARSTRAT WGS Certified (X & Ka) Type Certifications: Intesal EPIC/One FLEX, Inmarsat Global Express Cat IV, Skynet, Optus, SES, XTAR					
Interface						
Modem	Interoperable with L-Band SATCOM modems					
Interface	L-Band: 950 - 2000 MHZ N-Type (50 Ohm)					
Reference	10 MHz Reference to RF Electronics (LNB & Amplifier) Meets: MIL-STD-164B (ARSTRAT compliant)					
Environmental						
Temperature	Operational: -32 to +50 Deg C Storage: -33 to +60 Deg C					
Wind Load	Operational: 40 mph Survivable: 60 mph					
Other	Tested to MIL-STD-810G shock, vibration, altitude, blowing rain, blowing sand and MIL-STD-461F electromagnetic interference					
Power						
Input Power	VAC: 100 - 277 VDC: 18 - 36					
Power Consumption	Standard < 300 W Enhanced < 1100 W					
Battery Type & Operation	Two BB-2590 (Li-Ion) or Two BB-390 (NiMH) UPS houses and charges Batteries 3 hour On Air (Rx/Tx) Operation (in standard configuration)					

Packaging Options

Standard
2.4m + Accessories + Ku/Ka/X
3 cases < 220 lbs

Enhanced
2.4m + Accessories + Ku + Ka + X
5 cases < 350 lbs

CHANGING THE SHAPE OF SATCOM

Cubic is revolutionizing the ultra-portable SATCOM industry with the GATR's inflatable satellite antenna. Compared to other deployable rigid dishes of comparable size, GATR's unique shape and designs enable extreme portability, lower cost of ownership, reliability in extreme environments and ease of set up.

Cubic Mission & Performance Solutions
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