



High Gain NATO Band II Tactical Radio Relay Parabolic Antenna

APT-7513

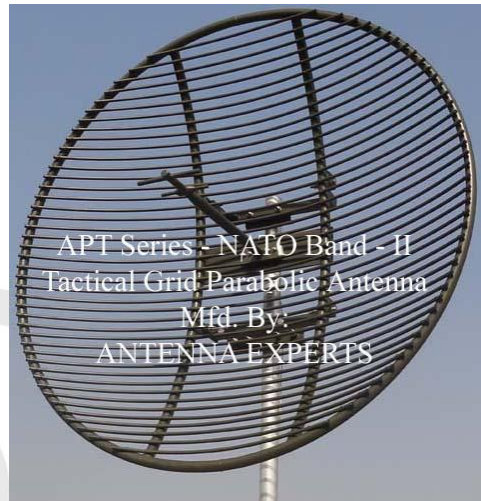
610-960 MHz

13-16 dBi Gain

NATO Band-II Tactical Grid Parabolic Antenna: The **APT-7513** tactical microwave antenna offers high-performance 610–960 MHz radio relay connectivity across the entire **NATO Band-II** spectrum. This ruggedized, 0.95-meter grid parabolic reflector delivers **13–16 dBi isotropic gain** and ultra-low side lobes, making it ideal for **high-density, co-sited military communication** networks. Designed for rapid deployment with a **quick-fastener primary dipole feed**, its versatile mounting hardware allows seamless polarization switching. Operating at **direct DC ground** for advanced lightning mitigation, this high-power directional antenna handles **250W RF power** while minimizing signal interference.

MIL-STD-810G Compliant Ruggedized

Communication Hardware: Engineered for harsh environments, this lightweight 8 Kg tactical antenna features high-strength **6063T6 aluminum** alloy fabrication and marine-grade stainless steel hardware. The olive green, anti-corrosive epoxy powder-coated chassis ensures **IP67 waterproof protection** and structural resilience against **180 Km/Hr** wind ratings. Extensively tested under **MIL-STD-810G standards**, this military-grade hardware withstands extreme thermal shifts, humidity, shock, rain, and intense vibration. It integrates seamlessly onto 52mm mast pipes via standard N-Female input terminations, delivering reliable low-resistance **RF performance**.



Electrical Specifications:

Frequency Range	610-960 MHz.
Gain - @ Low/Mid/High Band	13/14.5/16 dBi
Bandwidth	Entire 1350-1850MHz Band
Polarization	Vertical or Horizontal
Input Impedance	50 Ohms
Radiation Pattern	Directional
Vertical Beamwidth –3dB @ Low/Mid/High Band	38/31/24 Degrees
VSWR – Better Than	2.0:1
RF Power Handling Capacity	250 Watts.
Input Termination	N-Female

Mechanical Specifications:

Materials Used	6063T6 Aluminum Alloy
Mounting Hardware -Materials	High Grade Stainless Steel
Wind Rating	180 Km/Hr.
Elevation Tracking	+/-10 Degrees
Radiating Element Materials	High Quality Brass
Support Pipe Materials	Aluminum Pipe 1" (25.4mm)
Diameter of Parabolic Reflector	0.95 Meters (3 feet)
Grid Members Materials	Aluminum Pipe ½" (12.7mm)
Gross Weight	8 Kgs with Brackets
Final Finish/Color	Olive Green or Customized
Maximum Mount Pipe Diameter	52mm (2 Inches)
IP Rating	IP67 Rating

Environmental Specifications:

Operating Temperature	(-)30 to +70 Degrees Celsius
Storage Temperature	(-)40 to +80 Degrees Celsius
Humidity	0 to 95% RH

Please contact us for further information like Azimuth & Elevation radiation patterns, Image and frequency Vs VSWR graph.

Note: All information contained in the datasheet is subject to change without any prior notice.