	High Gain Wideband NATO Band III Tactical Radio Relay Antenna		
	APT-1617	1350-1850 MHz	16-18 dBi Gain

High Gain Tactical NATO Band III Radio Relay Antenna: The **APT-1617 tactical microwave grid parabolic antenna** delivers high-performance **broadband wireless connectivity** across the entire 1350–1850 MHz NATO Band III frequency spectrum. Engineered with a compact 0.65-meter reflector, this **directional microwave antenna** generates an optimized peak isotropic gain of 15.5/16.5/17.5 dBi and tight half-power beam-widths 26°/22°/19° to secure dedicated **line-of-sight (LOS) data transmission**. Specially configured to neutralize signal degradation in crowded electromagnetic spectrums, it features a rear-mounted adjustable hardware layout for seamless vertical or horizontal linear polarization, maintains a reliable 50-ohm input impedance, and safely handles an impressive 250 watts of continuous RF power via an N-female termination for high-capacity military **telecommunications infrastructure** networks.

MIL-SPEC Rugged Weatherproof Telecom Hardware Equipment: Built using ultra-corrosion-resistant 6063T6 anodized aluminum alloy and marine-grade stainless steel components, this **heavy-duty military hardware** is finished with an anti-corrosive olive green epoxy paint for maximum durability in harsh environments. The **IP67-rated grid antenna** fully satisfies rigorous **MIL-STD-810F engineering standards**, ensuring uncompromised field survivability across extreme temperatures from **-40°C to +70°C, 95% humidity, 40G mechanical shock**, and dense rainfall. Optimized for rapid, single-operator installation onto standard 52mm vertical masts using a quick-fastener primary brass feed system, it integrates a built-in direct D.C. ground **lightning protection** circuit and a 160 Km/Hr wind rating to preserve critical **RF signal integrity** during severe weather operations.

Electrical Specifications:	
Frequency Range	1350 - 1850 MHz.
Gain - @ Low/Mid/High Band	15.5 / 16.5 / 17.5 dBi
Bandwidth	Entire 1350-1850MHz Band
Polarization	Vertical or Horizontal
Input Impedance	50 Ohms
Radiation Pattern	Directional
Vertical Beamwidth –3dB @ Low/Mid/High Band	26/22/19 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	160 Km/Hr. (Higher Optional)
Elevation Tracking	+/-10 Degrees
Radiating Element Materials	High Quality Brass
Support Pipe Materials	Aluminum Pipe 1” (25.4mm)
Diameter of Parabolic Reflector	0.65 Meters (2 feet)
Grid Members Materials	Aluminum Pipe ½” (12.7mm)
Gross Weight	6 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.