



TRA(B)T1500

**Phantom Antenna Frequency Tunable
150-168 MHz (field tunable starting at
150 MHz)**

Our patented Phantom is a rugged antenna for outdoor or indoor applications. The Phantom revolutionary design features field diversity with both vertical and horizontal polarization components. This gives the antenna diversity, frequency agility, low visibility, wide bandwidth and a low angle radiation pattern that is superior to traditional gain antennas in most applications.

The industry standard NMO mounting socket mates with all TE magnetic, trunk lid, and hole mounts. The Phantom patented technology is beneficial when high performance is desired and ruggedness and low profile is required.

FEATURES AND BENEFITS

- Easy installation with optional NMO mounts
- UV-treated radome resists sun damage

APPLICATIONS

- FirstNet/Public Safety
- Transportation
- Industrial and commercial communications

ELECTRICAL SPECIFICATIONS	
Model Name	TRA(B)T1500
Operating Frequency (MHz)	150-168 MHz (field tunable starting at 150 MHz)
Frequency Bandwidth (MHz)	2.0
VSWR (dBi)	<2:1
Return Loss (dB) - minimum	-10
Gain (dBi)	Unity
Elevation = 45°	-5
Elevation = 90°	-11
Nominal Impedance (Ohms)	50
Max Power - Ambient 25°C (W)	60
Polarization	Vertical
Pattern	Omnidirectional
Vertical Plane 3 dB Beamwidth	120°
Tuning	Tunable coil with tuning key provided

MECHANICAL SPECIFICATIONS

Dimensions - W x H - mm (inches)	82.6 x 89 (3¼ x 3½)
Weight - kg (lbs.)	0.62 (1.37)
Cable Type	None
Finish	ABS
Color	White or Black
Mounting	4' x 4' Metallic Ground Plane

ENVIRONMENTAL SPECIFICATIONS

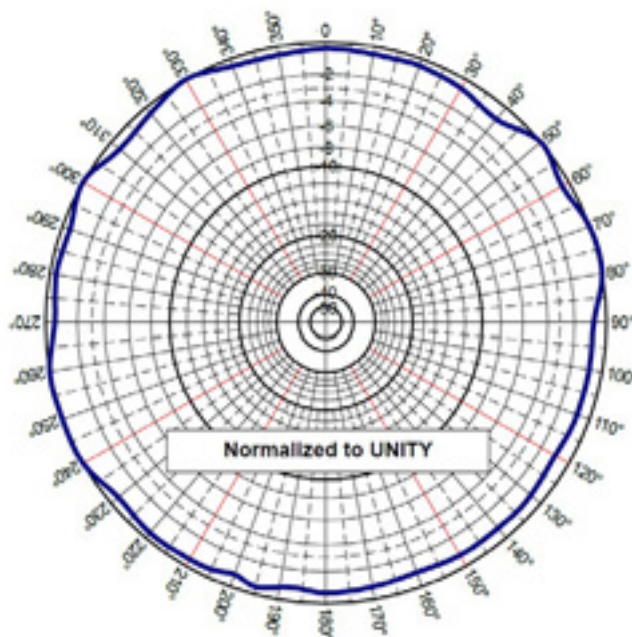
Operating Environment (Indoor or Outdoor)	Indoor and Outdoor
Operating Temperature - °C (°F)	-30 to +70°C (-22 to +158°F)
Storage Temperature - °C (°F)	-30 to +70°C (-22 to +158°F)
Lightning Protection	AC Ground

CONFIGURATION

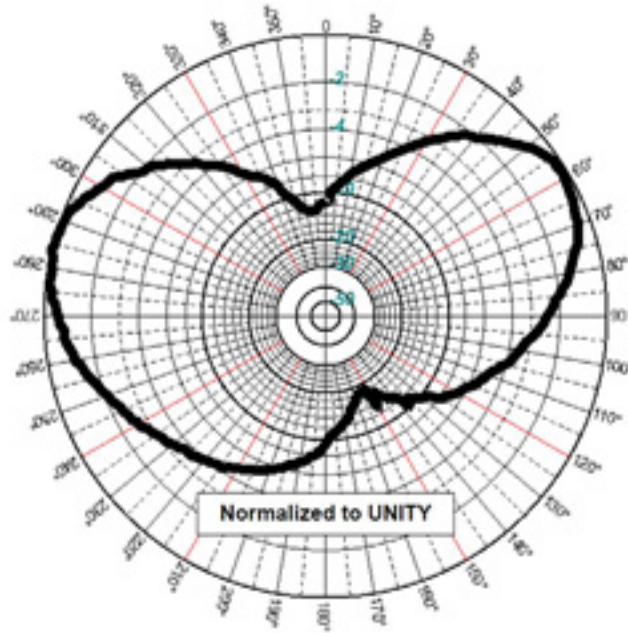
PART NUMBER	COLOR	CONNECTOR
TRAT1500	White	NMO
TRA(B)T1500	Black	NMO

RADIATION PATTERNS

REPRESENTATIVE AZIMUTH FIELD PATTERN



ELEVATION PATTERN (Z, Y, OR H-PLANE)



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