



PHANTOM ANTENNA 142-160 MHZ

TRA(B)T1420

The unique patented Phantom is a tough antenna for outdoor or indoor applications. Measuring only 3.5" tall, this mechanically robust design has a low angle radiation pattern that is superior to traditional gain antennas in most applications and can therefore be used in both ceiling mount and surface mount installations.

The industry standard NMO mounting socket mates with our magnetic, Trunk lids, and hole mounts. The Phantom® patented technology is beneficial when high performance, a low profile and extreme ruggedness are desired.

FEATURES

- Mechanically robust for both Indoor/Outdoor applications
- Phantom out-performs a 3 dBi whip in many applications
- Compact/Low Profile VHF Antenna

MARKETS

- Public Safety
- Transportation
- Unity
- Military Mobile
- Fixed Radio Applications

CONFIGURATIONS

MOUNTING	DESCRIPTION
TRAT1420	White Radome
TRABT1420	Black Radome

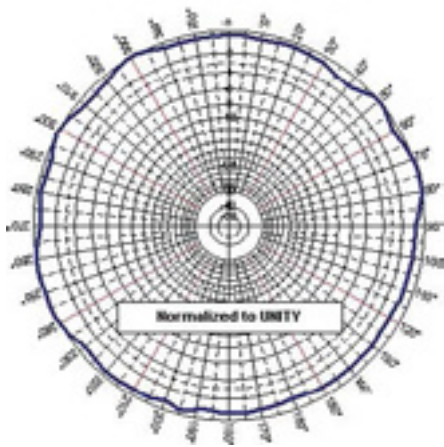
SPECIFICATIONS

ELECTRICAL		PERFORMANCE	
Frequency Range		142-160 MHz, Field Tunable	
Frequency Bandwidth		2.0 MHz	
VSWR		<2.0:1	
Return Loss		-10 dB min	
Nominal Gain		Unity -11 dBi (elevation - 90°)	
Maximum Power		60 W	
Nominal Impedance		50Ω	
Polarization		Vertically Polarized	
Pattern		Omnidirectional	
Vertical Beamwidth		80°	
Lightning Protection		AC Ground	
Cable		None	
Termination		NMO	
Tuning		Tunable Coil with Turning Key Provided	

MECHANICAL		PERFORMANCE	
Size		Width - 3-1/4"	
Height		3-1/2"	
Weight		0.25 lbs	
Finish		GE X-17 ABS	
Color		White - TRAT1420 Black - TRABT1420	

MOUNTING	
Designed to	4'x4' metallic ground plane Mobile applications

ANTENNA RADIATION PATTERN



Representative Azimuth Field Pattern

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