



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

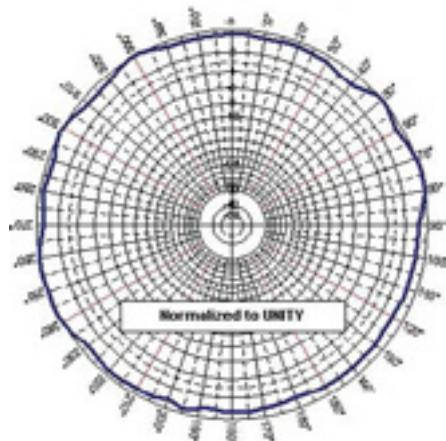
SPECIFICATIONS

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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