



TRA24-4900 SERIES

Phantom® Antennas 2400-2500 MHz/ 4900-5850 MHz

The dual-band TRA24-4900 Series of Phantom Antennas are ideal for WLAN and 4.9 GHz public safety applications. They operate simultaneously at 2.4 GHz and 4.9 GHz and are tough antennas for outdoor or indoor applications. Their revolutionary design measures only 2.3" in height and feature both vertical and horizontal polarization. This gives them the antenna diversity, frequency agility, low visibility, wide bandwidth and low angle radiation patterns that are superior to traditional gain antennas in most applications.

The industry standard NMO mounting socket mates with all of our magnetic, trunk lid, and hole mounts. A threaded permanent stud mount model is also available for vandal-resistant mounting on brackets, panels, ceilings, or any other kind of housing.

FEATURES AND BENEFITS

- Cross-polarization design ensures uninterrupted transmissions in urban canyons and rural drop-off areas
- Phantom outperforms a 3-dB whip in many applications
- U.S. Patent No. US9979086B2

ELECTRICAL SPECIFICATIONS

Operating Frequency (MHz)	2400-2500	4900-5850
Peak Gain Max (dBi)	5.5	7.2
Avg. Gain (dBi)	-1.1	-2.2
Efficiency Avg (%)	77	61
Elevation Beamwidth at Half -Power	47°	61°
Azimuth Beamwidth at Half-Power	Omnidirectional	
VSWR - Max	2:1 (with 6 ft. of ATX195)	
Nominal Impedance (Ohms)	50	
Max Power - Ambient 25°C (W)	100	
Polarization	Vertical	

MECHANICAL SPECIFICATIONS

Dimensions - diameter x height - mm (inches)	36.5 x 58.4 (1.44 x 2.3)
Weight - kg (lbs.)	0.113 (0.25)
Cable Type	None
Connector	NMO or Permanent Mount w/ N Female Connector

ENVIRONMENTAL SPECIFICATIONS

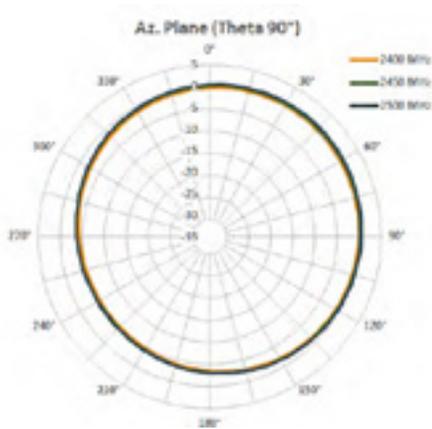
Operating Temperature - °C (°F)	-40 to +85°C (-40 to +185°F)
Material Substance Compliance	RoHS Compliant
Ingress Protection	IP67

CONFIGURATION

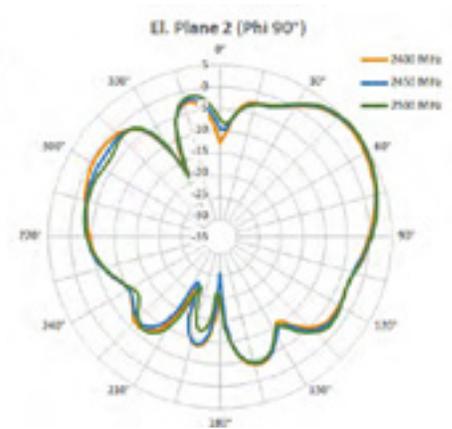
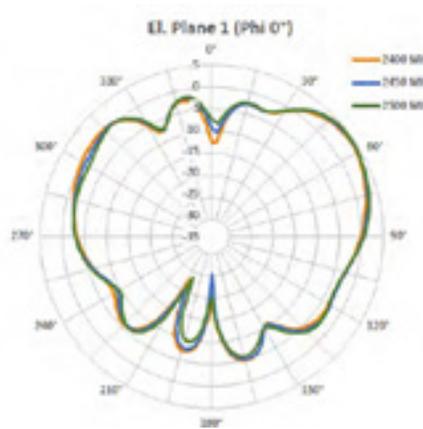
PART NUMBER	DESCRIPTION
TRA24-49003	NMO Mount, White Radome
TRAB24-49003	NMO Mount, Black Radome
TRA24-49003P	P-Mount, White Radome
TRAB24-49003P	P-Mount, Black Radome

RADIATION PATTERN - 2.4 GHZ BAND

Azimuth Plane

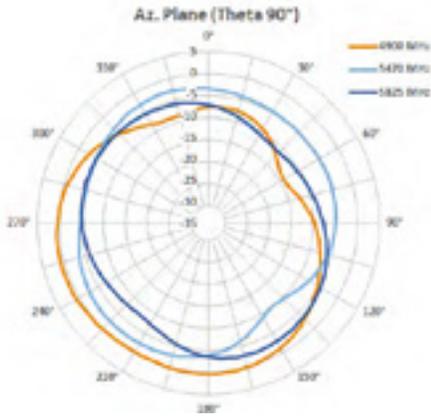


Elevation Plane

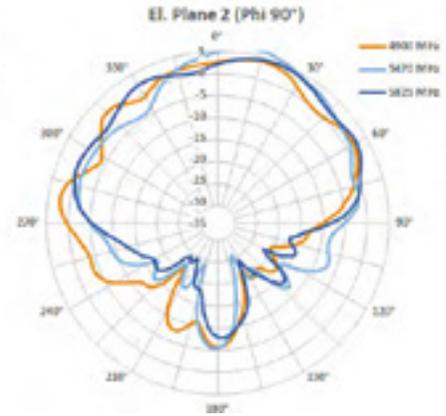
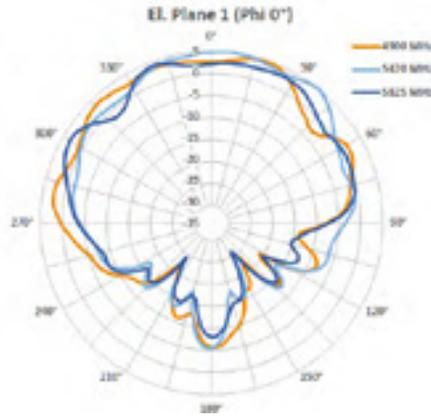


RADIATION PATTERN - 5 GHZ BAND

Azimuth Plane



Elevation Plane



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