

TRA24/4900 Series

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



Laird's 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 Laird's 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 Nos. 5,977,931 6,292,156 and 7,209,096
- **ELECTRICAL SPECIFICATIONS** Operating Frequency (MHz) 2400-2500 4900-5850 Gain (dBi) 0.7 0.9 Elevation Beamwidth at Half -Power 30° 65° Azimuth Beamwidth at Half-Power 130° 230° VSWR - Max 2:1 (with 6 ft. of ATX195) 3:1 (without cable) Nominal Impedance (Ohms) 50 Max Power - Ambient 25°C (W) 100 Polarization Vertical

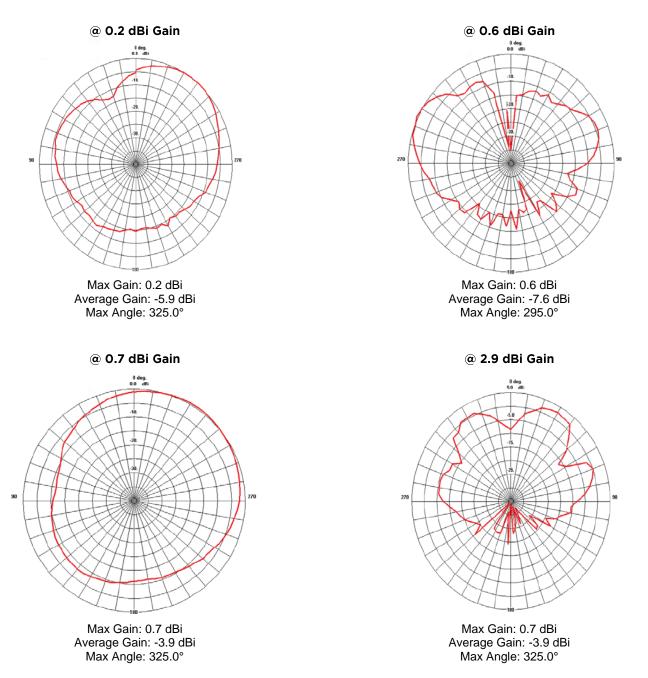
MECHANICAL SPECIFICATIONS	
Dimensions – diameter x height – mm (inches)	36.5 x 58.4 (1.44 x 2.3)
Weight – kg (lbs.)	0.113 (0.25)
Cable Type	None
Connector	NMO or Permanent Mount w/ N Female Connector

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 PATTERNS





RoHS

sales@lairdconnect.com support@lairdconnect.com www.lairdconnect.com Laird warrants to the original end user customer of its products that its products are free from defects in material and workmanship. Subject to conditions and limitations Laird will, at its option, either repair or replace any part of its products that prove defective because of improper workmanship or materials. This limited warranty is in force for the useful lifetime of the original end product into which the Laird product is installed. Useful lifetime of the original end product may vary but is not to exceed five (5) years from the original date of the end product purchase.

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