



Laird Technologies' unique patented Phantom® is a tough low-profile antenna for outdoor or indoor applications. Measuring only 2.3 inches exposed tall, the Phantom covers 4.9 GHz - 6.0 GHz. The antenna model's revolutionary design features field diversity. The industry standard NMO mounting socket mates with all Laird Technologies' magnetic, trunk lid, and hole mounts. A threaded permanent stud Type N connector mount model is also available for vandal-resistant mounting on brackets, panels, ceilings, or any other kind of housing.

The Phantom® patented technology is beneficial when high performance, extreme ruggedness, and low profile are required.

FEATURES AND BENEFITS

- Mechanically robust for both Indoor/Outdoor applications
- Phantom® outperforms a 3-dB whip in many applications
- U.S. Patent numbers 5,977,931 – 6,292,156 and 7,209,096

ELECTRICAL SPECIFICATIONS

VSWR – Avg	1.25:1
Gain – Typ (dBi)	5.0
Gain Horizon 30° - Max (dBi)	5.6
Nominal Impedance (Ohms)	50
Maximum Peak Power - Ambient 25°C (W)	100
Polarization	Vertical
Pattern	Omnidirectional
Half-power Beamwidth (elevation° x azimuth °)	30 x 360

MECHANICAL SPECIFICATIONS

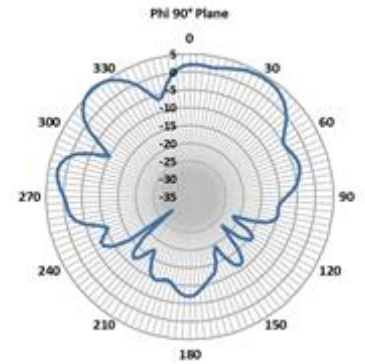
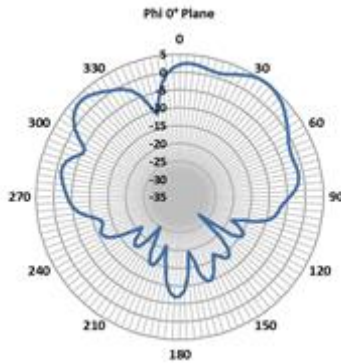
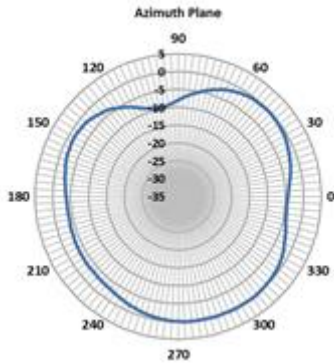
Dimensions – diameter x height – mm (inches)	NMO: 36.53 (1.438') x 58.4 (2.3) Permanent Mount: 36.53 (1.438) x 80.3 (3.16) , Exposed: 36.53 (1.438')x 58.4 (2.3)
Weight – g (lbs.)	0.078 (0.173)
Radome Material	Lexan
Color	Black or white
Mounting Information	NMO socket (NMO mount is sold separately) or Type N Female – Permanent Mount (hardware included) Note: P-Mount requires a 5/8" hole for mounting.
Noise Suppressor	BlackHawk NS 1535 1-35 volt, 15 amp

CONFIGURATION

PART NUMBER	DESCRIPTION
TRA58003	4.9 – 6.0 GHz, 5 dBi, White, NMO
TRAB58003	4.9 – 6.0 GHz, 5 dBi, Black, NMO
TRA58003P	4.9 – 6.0 GHz, 5 dBi, White, N Female
TRAB58003P	4.9 – 6.0 GHz, 5 dBi, Black, N Female

- Add B to the model number for black radome (example: TRAB58003)
- Add P to the model number for the permanent mount option (example: TRA58003P)
- Customized models without the logo are also available.

RADIATION PATTERNS



✓RoHS

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.

Any information furnished by Laird Inc. and its agents is believed to be accurate and reliable. All specifications are subject to change without notice. Responsibility for the use and application of Laird materials rests with the end user, since Laird and its agents cannot be aware of all potential uses. Laird makes no warranties as to the fitness, merchantability or suitability of any Laird materials or products for any specific or general uses. Laird shall not be liable for incidental or consequential damages of any kind. All Laird products are sold pursuant to the Laird Terms and Conditions of sale in effect from time to time, a copy of which will be furnished upon request.

© Copyright 2019 Laird Inc. All Rights Reserved. Laird, Laird Technologies, the Laird Logo, and other marks are trademarks or registered trademarks of Laird Inc. or an affiliate company thereof. Other product or service names may be the property of third parties. Nothing herein provides a license under any Laird or any third party intellectual property rights.

sales@lairdconnect.com
support@lairdconnect.com
www.lairdconnect.com

