



Laird Connectivity's unique patented Phantom® is a tough low-profile antenna for outdoor or indoor applications. Measuring only 2.3" tall, the Phantom 760-870 MHz antenna revolutionary design features an omni-directional radiation and vertical polarization components. This gives the antenna frequency agility, low visibility, and a low angle radiation pattern that is superior to traditional gain antennas in most applications.

The industry standard NMO mounting socket mates with all Laird Connectivity'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.

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

FEATURES AND BENEFITS

- Easy installation with optional NMO mounts
- Phantom® out-performs a 3-dB whip in many applications
- UV-treated radome resists sun damage

APPLICATIONS

- FirstNet/Public Safety
- Transportation
- Industrial and commercial communications

ELECTRICAL SPECIFICATIONS

Operating Frequency (MHz)	760-870
VSWR (max)	< 2:1
Peak Gain (dBi)	3 dB – MEG
Nominal Impedance (Ohms)	50
Max Power - Ambient 25°C (W)	100
Polarization	Vertical
Pattern	Omnidirectional
Half-power Beamwidth	146° x 360°

MECHANICAL SPECIFICATIONS

Dimensions – diameter x height – mm (inches)	36.58 x 58.42 (1.44 x 2.30)
Weight – g (oz.)	68.039 (2.4)
Color	Black or White
Radome Material	ABS
Mounting Information	NMO mountable MB8, MAB8 (sold separately)
Noise Suppressor	BlackHawk NS1535, 1-35-volt, 15 amp (sold separately)

ENVIRONMENTAL SPECIFICATIONS

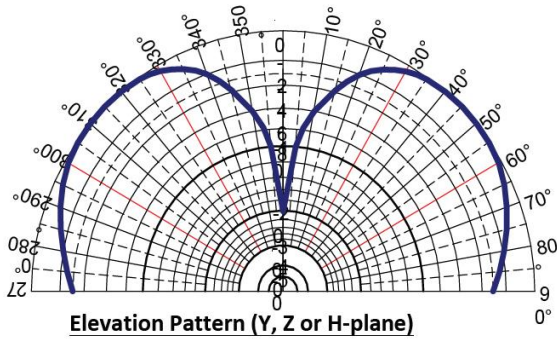
Rated Wind Velocity – kph (mph)	210 (125)
Rated Wind Velocity (with 0.5" radial ice) – kph (mph)	137 (85)
Lateral Thrust @ 125 mph wind velocity – kg (lbs.)	26 (57)
Wind Resistance – sq. ft.	0.0230
Material Substance Compliance	RoHS
Ingress Protection Rating	IP67

MODEL AND ORDERING INFORMATION

MODEL	COLOR
TRA7603	White
TRA(B)7603	Black

Permanent Mounting Option: The letter “P” in the above part numbers indicates a permanent mounting option.

RADIATION PATTERNS



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✓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.

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