



PHANTOM ELITE® UHF ANTENNA COMBINES PERFORMANCE WITH LOW-PROFILE DESIGN

Laird Technologies’ unique patented Phantom Elite® is a tough low-profile antenna for outdoor or indoor applications. Measuring only 3.4” tall, the Phantom Elite® UHF antenna’s revolutionary design features field diversity with both vertical and horizontal polarization components. This gives the antenna diversity, frequency agility, low visibility, wide bandwidth 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 Technologies’ 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.

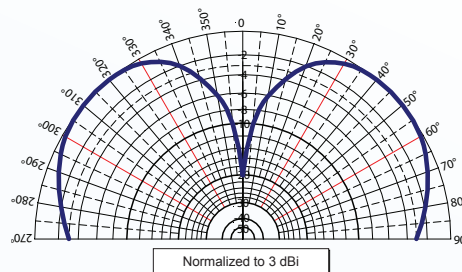
FEATURES 

- True Field Diversity design ensures uninterrupted transmissions in urban canyons and rural drop off areas
- Phantom® outperforms a 3dB whip in many applications
- U.S. Patent Nos. 5,977,931; 6,292,156 and 7,209,096

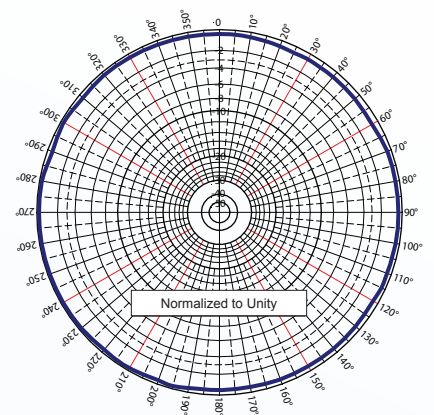
MARKETS

- Public safety
- Transportation
- Utility
- Military mobile
- Fixed radio applications

ANTENNA PATTERNS



Elevation Pattern (Y, Z, or H-plane)



Azimuth Pattern (X,Y, or E-plane)

global solutions: local support™

Americas: +1.847 839.6907
IAS-AmericasEastSales@lairdtech.com

Europe: +1.32.80.7866.12
IAS-EUSales@lairdtech.com

Asia: +1.65.6.243.8022
IAS-AsiaSales@lairdtech.com

www.lairdtech.com

SPECIFICATIONS

ELECTRICAL	
VSWR	< 2:1
Nominal Gain	3 dBi
Maximum Power	100 W
Nominal Impedance	50 Ω
Polarization	Vertical
Pattern	Omnidirectional
Half-Power Beamwidth (Elevation° x Azimuth°)	146° x 360°
Coaxial Cable Length & Type	None
Terminations	NMO Socket or, type N-female

MECHANICAL

Color	Black or White
Height (initially)	3½"
Diameter	1.438"
Weight	0.15 lb
Material	ABS
Mounting Information	NMO or Permanent Mountable
Noise Suppressor	BlackHawk NS1535 1-35 VOLT, 15 Amp Noise Suppressor (Sold Separately)

MODEL AND ORDERING INFORMATION

MODEL	DESCRIPTION
ETRA4103	410-430 MHz 3 dBi Phantom Elite® ¾ NMO, White Radome
ETRAB4103	410-430 MHz 3 dBi Phantom Elite® ¾ NMO, Black Radome
ETRA4303	430-450 MHz 3 dBi Phantom Elite® ¾ NMO, White Radome
ETRAB4303	430-450 MHz 3 dBi Phantom Elite® ¾ NMO, Black Radome
ETRA4503	450-470 MHz 3 dBi Phantom Elite® ¾ NMO, White Radome
ETRAB4503	450-470 MHz 3 dBi Phantom Elite® ¾ NMO, Black Radome
ETRA4703	470-490 MHz 3 dBi Phantom Elite® ¾ NMO, White Radome
ETRAB4703	470-490 MHz 3 dBi Phantom Elite® ¾ NMO, Black Radome
ETRA4903	490-512 MHz 3 dBi Phantom Elite® ¾ NMO, White Radome
ETRAB4903	490-512 MHz 3 dBi Phantom Elite® ¾ NMO, Black Radome
Sealtube3	Heat shrink tubing 3"x1" DIA Elite install (use for jaw protector on installation wrench)

Permanent Mounting Option:

Please order by antenna model and insert letter "P" to indicate permanent mounting option (ETRA4503P).

ANT-DS-PHANTOM ELITE UHF 1109

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