



global solutions :
local support™

Patented whipless Phantom Elite® UHF antenna combines true field diversity performance with low-profile stealth 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 and Benefits:

- 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

Applications

- Public safety, transportation, utility, military mobile and fixed radio applications.

For sales information:

In the USA please telephone +1-800-323-3757

In Asia please telephone +886-2-2286-2828

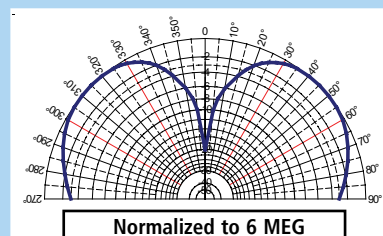
In Europe please telephone +46-8-555-722-00

or visit: www.lairdtech.com

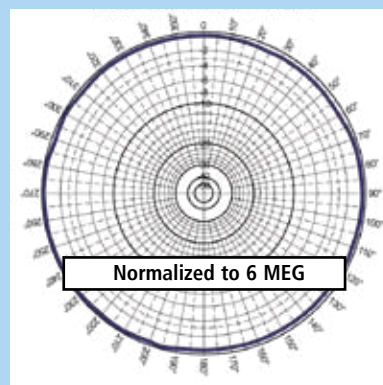
SPECIFICATIONS:

| Electrical | |
|---|------------------------------|
| VSWR: | < 2:1 |
| Nominal Gain: | 3 dB-MEG |
| Maximum Power: | 100 W |
| Nominal Impedance: | 50Ω |
| Polarization: | Vertical & Horizontal |
| Pattern: | Omni-Directional |
| Half-Power Beamwidth: (Elevation° x Azimuth°) | 146° x 360° |
| Coaxial Cable Length & Type: | None |
| Termination: | NMO Socket or, type N-female |

| Mechanical | |
|------------------------------|---|
| Color: | Black or White |
| Height (initially): | 3-1/2" |
| Diameter: | 1.438" |
| Weight: | 0.15 lb |
| Material: | ABS |
| Mounting Information: | NMO or Permanent Mountable |
| Noise Suppressor: | BlackHawk NS1535 1-35 VOLT, 15Amp Noise Suppressor (Sold Separately) |



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



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

MODEL AND ORDERING INFORMATION:

| Model# | Description |
|------------------|---|
| ETRA4103 | 410-430 MHz 3 dB-MEG Phantom Elite [®] ¾ NMO, White Radome |
| ETRAB4103 | 410-430 MHz 3 dB-MEG Phantom Elite [®] ¾ NMO, Black Radome |
| ETRA4303 | 430-450 MHz 3 dB-MEG Phantom Elite [®] ¾ NMO, White Radome |
| ETRAB4303 | 430-450 MHz 3 dB-MEG Phantom Elite [®] ¾ NMO, Black Radome |
| ETRA4503 | 450-470 MHz 3 dB-MEG Phantom Elite [®] ¾ NMO, White Radome |
| ETRAB4503 | 450-470 MHz 3 dB-MEG Phantom Elite [®] ¾ NMO, Black Radome |
| ETRA4703 | 470-490 MHz 3 dB-MEG Phantom Elite [®] ¾ NMO, White Radome |
| ETRAB4703 | 470-490 MHz 3 dB-MEG Phantom Elite [®] ¾ NMO, Black Radome |
| ETRA4903 | 490-512 MHz 3 dB-MEG Phantom Elite [®] ¾ NMO, White Radome |
| ETRAB4903 | 490-512 MHz 3 dB-MEG 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).



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