



Laird's unique patented Phantom Elite[®] UHF Mobile antenna models are available in the 406-512 MHz operating ranges and delivers durability and high performance for outdoor or indoor applications. Suitable for outdoor and indoor applications, the revolutionary design measures only 3.5" and features vertical polarization. The Phantom Elite[®] provides 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'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

- Patented Field Diversity
- High performance whip-less design
- Phantom[®] outperforms a 3dB whip in many applications
- U.S. Patent Nos. 5,977,931 – 6,292,156

ELECTRICAL SPECIFICATIONS

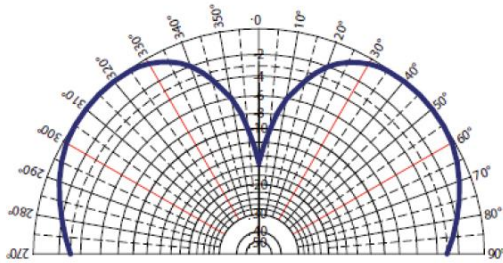
| | |
|--|--------------------------|
| Operating Frequency (MHz) | 406-512 |
| VSWR | <2.1 |
| Nominal Gain (dBi) | 3 |
| Nominal Impedance (Ohms) | 50 |
| Maximum Power (W) | 100 |
| Polarization | Vertical |
| Radiation Pattern | Omnidirectional |
| Half-Power Beamwidth (Elevation° / Azimuth°) | 146° / 360° |
| Mount | NMO or P-mount |
| Material | High Heat ABS |
| Color | Black or White |
| Height cm (inch) | 8.89 (3 ½) |
| Weight kg (lbs) | 0.068 (0.15) |
| Noise Suppressor (optional) | NS1535 (Sold Separately) |
| Material Substance Compliance | RoHS |
| Ingress Protection | IP67 |

CONFIGURATION

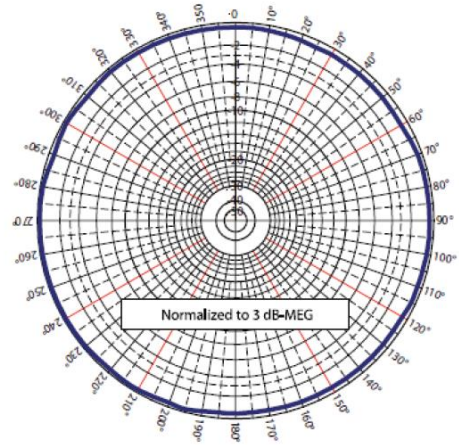
| MODEL | DESCRIPTION | COLOR |
|-----------|--|-------|
| ETRA4063 | 406-425 MHz, 3dBi Phantom [®] Elite NMO | White |
| ETRAB4063 | 406-425 MHz, 3dbi Phantom [®] Elite NMO | Black |
| ETRA4103 | 410-430 MHz 3dBi Phantom [®] Elite NMO | White |
| ETRAB4103 | 410-430 MHz 3dBi Phantom [®] Elite NMO | Black |
| ETRA4303 | 430-450 MHz 3dBi Phantom [®] Elite NMO | White |
| ETRAB4303 | 430-450 MHz 3dBi Phantom [®] Elite NMO | Black |
| ETRA4503 | 450-470 MHz 3dBi Phantom [®] Elite NMO | White |
| ETRAB4503 | 450-470 MHz 3dBi Phantom [®] Elite NMO | Black |
| ETRA4703 | 470-490 MHz 3dBi Phantom [®] Elite NMO | White |
| ETRAB4703 | 470-490 MHz 3dBi Phantom [®] Elite NMO | Black |
| ETRA4903 | 490-512 MHz 3dBi Phantom [®] Elite NMO | White |
| ETRAB4903 | 490-512 MHz 3dBi Phantom [®] Elite NMO | Black |

Note: The addition of "P" to the model numbers indicates Permanent Mount.

RADIATION PATTERNS



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



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

✓RoHS

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