PHANTOM ELITE®

UHF Mobile Antenna 406-512 MHz

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

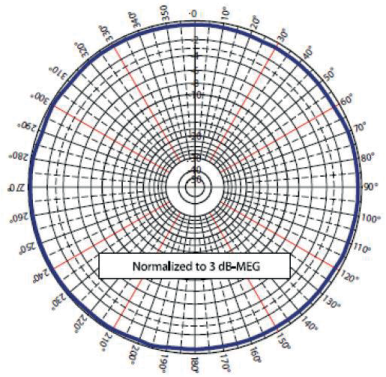
ELECTRICAL SPECIFICATIONS	
Operating Frequency (MHz)	406-512
VSWR	<2.1
Nominal Gain (dBi)	3
Nominal Impedance (Ohms)	50
Maximum Power (W)	100
Polarization	Vertical
Radiation Pattern	Omnidirectional
Half-Power Beamwidth (Elevation° / Azimuth°)	146° / 360°
Mount	NMO or P-mount
Material	High Heat ABS
Color	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

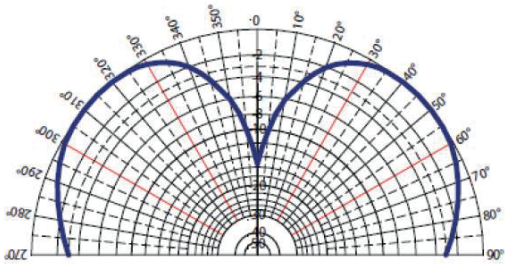
MODEL	DESCRIPTION	COLOR
ETRA4063	406-425 MHZ, 3DBI PHANTOM®ELITE NMO	WHITE
ETRAB4063	406-425 MHZ, 3DBI PHANTOM®ELITE NMO	BLACK
ETRA4103	410-430 MHZ 3DBI PHANTOM® ELITE NMO	WHITE
ETRAB4103	410-430 MHZ 3DBI PHANTOM® ELITE NMO	BLACK
ETRA4303	430-450 MHZ 3DBI PHANTOM® ELITE NMO	WHITE
ETRAB4303	430-450 MHZ 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)

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