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### Patented whipless Phantom Elite® antenna's true field diversity design is ideal for Cell, GSM, PCE, WiFi, 802.11 and Bluetooth wireless applications

Laird Technologies' unique patented Phantom Elite® is a tough low-profile antenna for outdoor or indoor applications. Measuring only 2.7" tall, the Phantom Elite® 800 MHz to 5.8 GHz antenna models' 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.

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

#### 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:

- Cell, GSM, PCS, WiFi, 802.11 and Bluetooth wireless applications

For sales information:

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

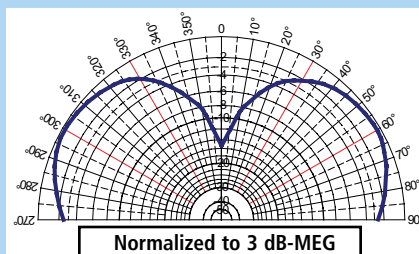
In Asia please telephone +886-2-2286-2828

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

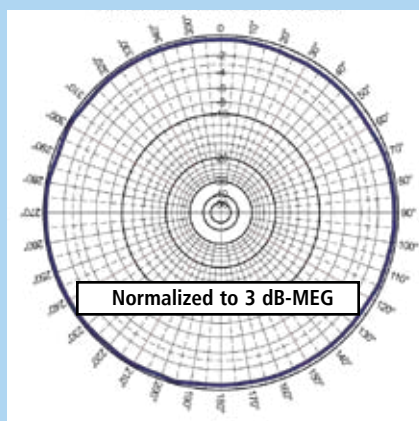
or visit: [www.lairdtech.com](http://www.lairdtech.com)

### SPECIFICATIONS:

Electrical	
<b>VSWR:</b>	< 2:1
<b>Nominal Gain:</b>	3 dB-MEG
<b>Maximum Power:</b>	100 W
<b>Nominal Impedance:</b>	50Ω
<b>Polarization:</b>	Vertical & Horizontal
<b>Pattern:</b>	Omni-Directional
<b>Half-Power Beamwidth:</b> (Elevation° x Azimuth°)	130° x 360°
<b>Coaxial Cable Length &amp; Type:</b>	None
<b>Termination:</b>	NMO Socket or, type N-female



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



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

Mechanical	
<b>Color:</b>	Black or White
<b>Height (initially):</b>	2-3/4"
<b>Diameter:</b>	1.438"
<b>Weight:</b>	0.15 lb
<b>Material:</b>	ABS
<b>Mounting Information:</b>	NMO (PN: MB8, MAB8) Sold Separately
<b>Noise Suppressor:</b>	BlackHawk NS1535 1-35 VOLT, 15Amp Noise Suppressor (Sold Separately)

### Permanent Mounting Option:

Please order by antenna model and insert letter "P" to indicate permanent mounting option (ETRA8063P).



### MODEL AND ORDERING INFORMATION:

Model#	Description
<b>ETRA8063</b>	806-870 MHz 3 dB-MEG Phantom Elite® ¾ NMO, White Radome
<b>ETRA8213</b>	821-896 MHz 3 dB-MEG Phantom Elite® ¾ NMO, White Radome
<b>ETRA8903</b>	890-960 MHz 3 dB-MEG Phantom Elite® ¾ NMO, White Radome
<b>ETRA9023</b>	902-928 MHz 3 dB-MEG Phantom Elite® ¾ NMO, White Radome
<b>ETRA 18503</b>	1.85 - 1.99 GHz 3dB-MEG Phantom Elite® ¾ NMO, White Radome
<b>ETRA24003</b>	2.4 – 2.5 GHz 3 dB-MEG Phantom Elite® ¾ NMO, White Radome
<b>ETRA58003</b>	4.9 – 6.0 GHz 3 dB-MEG Phantom Elite® ¾ NMO, White Radome
<b>TRADCAGP</b>	G - Drop ceiling antenna adaptor for P-mount Phantom w/ 6"x6"x0.016" ground plane
<b>Sealtube3</b>	Heat shrink tubing 3"x1"DIA Elite install (use for jaw protector on installation wrench)

Add "B" to model number for black radome. Example: ETRAB8063

Add "P" to model number for Permanent Mount. Example ETRA8063P

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