

Multi-Band Antennas 806-960 MHz/1575.42 MHz/1710-2170MHz/2400-2500 MHz



Laird's unique patented Phantom® multi band cellular antenna operates simultaneously on seven bands and is a tough antenna for outdoor or indoor applications. The revolutionary design measures only 2.3 inches. The patented field Phantom® technology ensures uninterrupted voice and data transmissions in urban canyons and rural drop-off areas.

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

- Operates simultaneously on seven frequency bands: AMPS, GSM, GPS, DCS, PCS, UMTS, and ISM
- Patented Phantom® technology ensures uninterrupted voice and data transmissions in urban canyons and rural drop off areas
- U.S. Patent Nos. 5,977,931 6,292,156; other patents pending

ELECTRICAL SPECIFICATIONS	AMPS	GSM	GPS	DCS	PCS	UMTS	ISM	
Frequency Range MHz (MHz)	806-896	890-960	1575.42	1710-1880	1850-1990	1900-2170	2400-2500	
Peak Gain (dBi)	5.9	5.8	5.1	4.2	4.2	4.4	3.0	
VSWR* , Max		2:1 2:1						
Polarization		Vertical						
Nominal Impedance (Ohms)		50						
Input Power (W)		100						

^{*}Antenna measured on a 0.61m x 0.61m (2 ft. x 2 ft.) ground plane

MECHANICAL SPECIFICATIONS					
Dimensions – width x height cm (in.)	3.66 x 5.84 (1.44 x 2.30) NMO, 3.66 x 8.00 (1.44 x 3.15) P-mount				
Weight – kg (lbs.)	0.068 (0.15) NMO, 0.11 (0.25) P-mount				
Radome Material	SABIC Lexan				

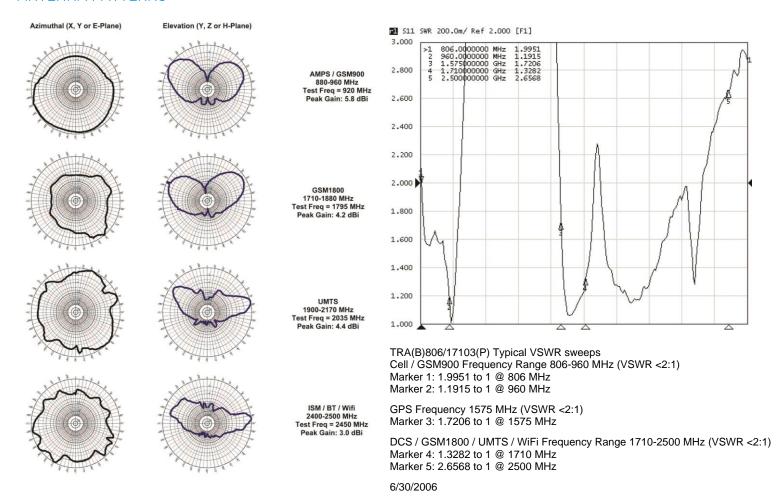
ENVIRONMENTAL SPECIFICATIONS			
Operating Environment (Indoor or Outdoor)	Indoor and Outdoor		
Operating Temperature – °C (°F)	-30 to +70°C (-22 to +158°F)		
Storage Temperature – °C (°F)	-40 to +85°C (-40 to +185°F)		
Material Substance Compliance	RoHS		
Ingress Protection Rating	IP67		

CONFIGURATION

MODEL	DESCRIPTION	MOUNT	COLOR	HEIGHT	WEIGHT	CONNECTOR	
TRAB806/17103	Multi-Band Phantom®	NMO	Black	5.84 cm (2.30 in.)	0.07 kg (0.15 lbs)	NMO	
TRAB806/17103P	Multi-Band Phantom®	Permanent	Black	8.0 cm (3.15 in.)	0.11 kg (0.25 lbs)	N Female	
TRA806/17103	Multi-Band Phantom®	NMO	White	5.84 cm (2.30 in.)	0.07 kg (0.15 lbs)	NMO	
TRA806/17103P	Multi-Band Phantom®	Permanent	White	8.0 cm (3.15 in.)	0.11 kg (0.25 lbs)	N Female	
TRADCA	Drop ceiling antenna adaptor for P-mount Phantom						
TRADCAGP	Drop ceiling antenna adaptor for P-mount Phantom with 6 in. x 6 in. x .016 in. ground plane						



ANTENNA PATTERNS





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