



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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FIBERGLASS BASE STATION ANTENNAS FEATURE INDUSTRY LEADING DESIGN COMPONENTS THAT PERFORM IN EXTREME CONDITIONS

The FG16397 quad-band omnidirectional base station antenna incorporates a collinear design that is enclosed in high density fiberglass, which is covered with a protective ultraviolet inhibiting coating. The radiating elements are made from high efficiency copper and are carefully phased to provide maximum gain in the horizontal plane. The mounting sleeves are tuned to eliminate RF currents from the transmission line, resulting in a "cold" sleeve that allows for greater freedom in mounting. The antenna's high quality and well-focused beam provides the best efficiency with highest gain.

FEATURES

- Quad-band
- Every FG fiberglass base antenna is tested on a network analyzer before shipping to assure the best performance
- Special UV Treated - Stands up to the sun
- Durable gold anodized sleeve and cap with N-female connector
- FedEx/UPS Shippable

MARKETS

- Omnidirectional outdoor antenna applications used in commercial, public safety, and government applications around the globe
- Typical applications include land based and marine radio and voice and data transmission
- The quad-band feature allows the antenna to be used in many diverse applications

ELECTRICAL SPECIFICATIONS

Frequency Range	806-896 MHz	890-960 MHz	1850-1990 MHz	2400-2500 MHz
Peak Gain	2 dBi	1 dBi	3.3 dBi	2 dBi
Elevation Beamwidth at Half-Power	110°	90°	60°	70°
Azimuth Beamwidth at Half-Power	360°	360°	360°	360°

MECHANICAL SPECIFICATIONS

	All data relevant to all frequencies
Maximum Power	100 Watts
Nominal Impedance	50Ω
Polarization	Vertical
VSWR	≤ 2.0:1
Termination	N-Female Connector
Mounting Bracket	Optional p/n: FM2SP Mounting Kit
Lightning Protection	Lightning Arrestor p/n: LABH350NN (sold separately)
Antenna Length	14" (35.56cm)
Weight (Mass)	0.844 lbs
Diameter	1.310" (33.27mm)
Rated Wind Velocity	125mph (210kph)
Rated Wind Velocity (with 1/2" (12.7mm) radial ice)	85mph (137kph)
Wind Resistance	0.1245 sq. ft

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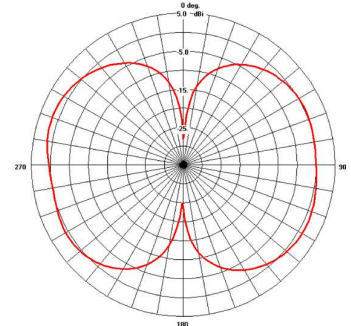
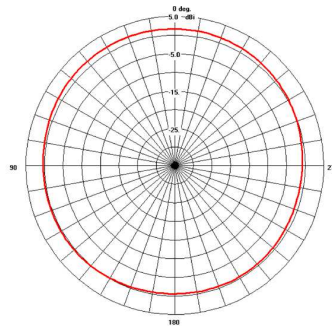
www.lairdtech.com

PATTERNS

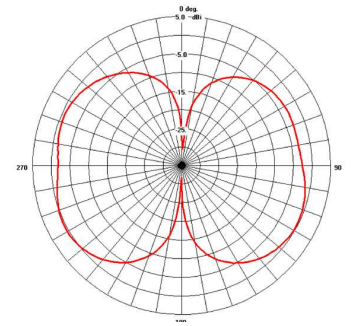
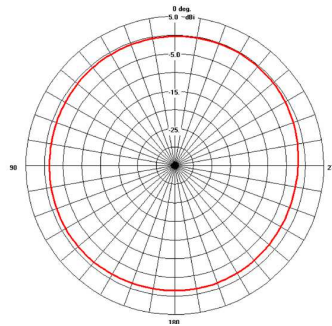
Azimuth

Elevation

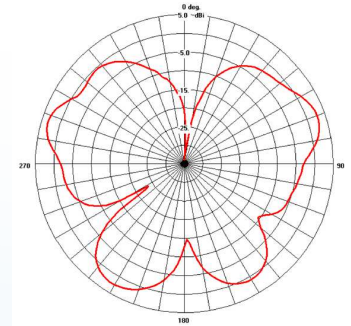
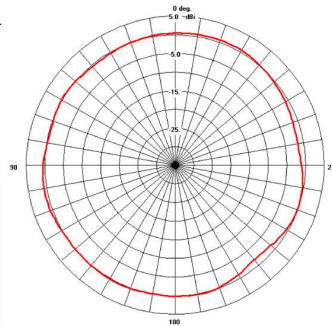
806-896 MHz



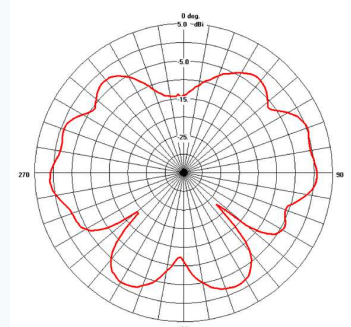
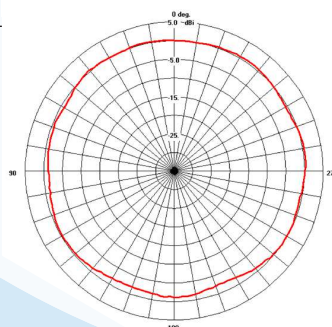
890-960 MHz



1850-1990 MHz



2400-2500 MHz



ANT-DS-FG16397 0510

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