



QUAD-BAND OMNIDIRECTIONAL ANTENNA

FG16397

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.

FEATURE

- 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

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

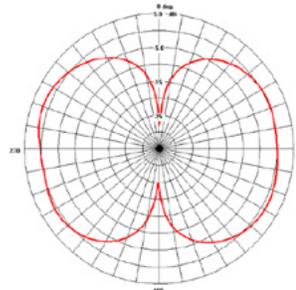
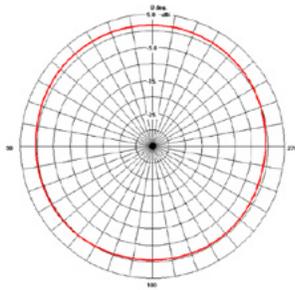
MECHANICAL SPECIFICATIONS	ALL DATA RELEVANT TO ALL FREQUENCIES
Maximum power	100 Watts
Nominal Impedance	50Ω
Polarization	Vertical
VSWR	≤ 2.0:1
Termination	N-female Connector
Mounting Bracket	Optional p/n: fM2Sp Mounting Kit
Lightning protection	Lightning Arrestor p/n: LABH350nn (sold separately)
Antenna 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

PATTERN

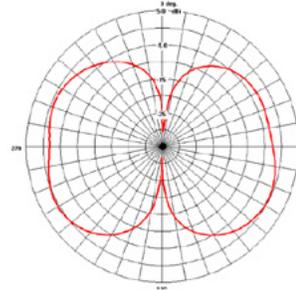
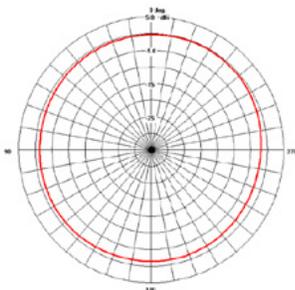
AZIMUTH

ELEVATION

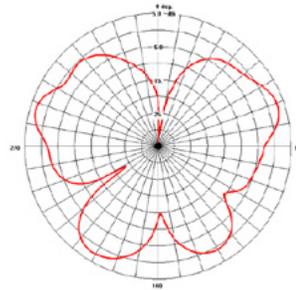
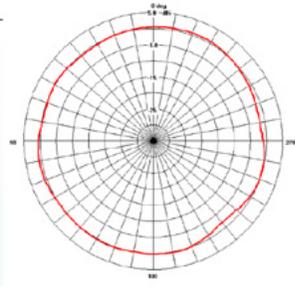
806-896 MHz



890-960 MHz

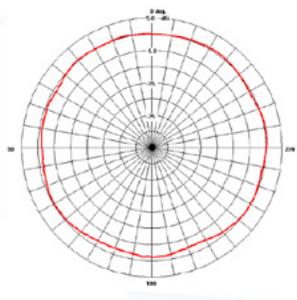


1850-1990 MHz

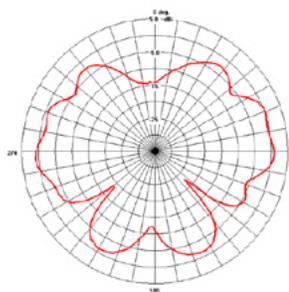


2400-2500 MHz

AZIMUTH



ELEVATION



TE TECHNICAL SUPPORT CENTER

USA:	+1 (800) 522-6752
Canada:	+1 (905) 475-6222
Mexico:	+52 (0) 55-1106-0800
Latin/S. America:	+54 (0) 11-4733-2200
Germany:	+49 (0) 6251-133-1999
UK:	+44 (0) 800-267666
France:	+33 (0) 1-3420-8686
Netherlands:	+31 (0) 73-6246-999
China:	+86 (0) 400-820-6015

te.com

TE, and TE connectivity (logo) are trademarks owned or licensed by the TE Connectivity Ltd. family of companies. All other logos, products and/or company names referred to herein might be trademarks of their respective owners.

The information given herein, including drawings, illustrations and schematics which are intended for illustration purposes only, is believed to be reliable. However, TE Connectivity makes no warranties as to its accuracy or completeness and disclaims any liability in connection with its use. TE Connectivity's obligations shall only be as set forth in TE Connectivity's Standard Terms and Conditions of Sale for this product and in no case will TE Connectivity be liable for any incidental, indirect or consequential damages arising out of the sale, resale, use or misuse of the product. Users of TE Connectivity products should make their own evaluation to determine the suitability of each such product for the specific application.

TE Connectivity warrants to the original end user customer of its products that its products are free from defects in material and workmanship. Subject to conditions and limitations TE Connectivity will, at its option, either repair or replace any part of its products that prove defective because of improper workmanship or materials. This limited warranty is in force for the useful lifetime of the original end product into which the TE Connectivity product is installed. Useful lifetime of the original end product may vary but is not warranted to exceed one (1) year from the original date of the end product purchase.

©2022 TE Connectivity. All Rights Reserved.

08/22 Original