



Smart Technology. Delivered.™

FIBERGLASS OMNIDIRECTIONAL ANTENNAS

FG8063



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

Laird fiberglass base station antennas are collinear designs enclosed in a 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 allowing great freedom in mounting. This high quality and well-focused beam provides the highest gain and best efficiency.

FEATURES AND BENEFITS:

- Every FG fiberglass base antenna is tested on a network analyzer to assure the best performance.
- Special UV Treated - stands up to the sun.
- Durable gold anodized sleeve and cap with N Female connector.
- Custom tuning available.
- FedEx / UPS Shippable.

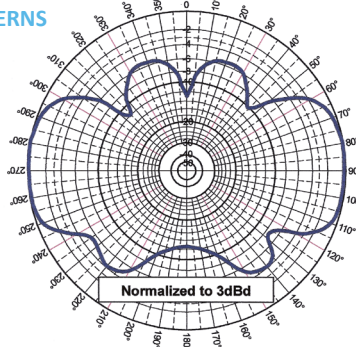
APPLICATIONS:

- Omnidirectional (circular) outdoor antenna applications used by private organizations and government agencies around the globe.
- Typical applications include land based and marine radio and data transmissions for public safety agencies, commercial organizations, and the military.

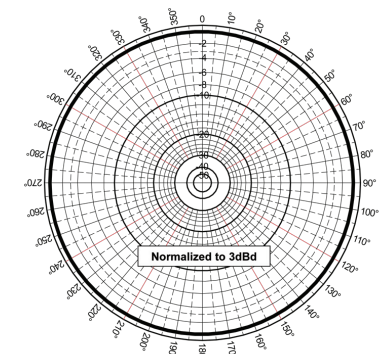
| Electrical | |
|--|--|
| Frequency Range | 806 – 866 MHz |
| VSWR | < 2:1 Max |
| Nominal Gain | 3 dBd |
| Maximum Power | 200 W |
| Nominal Impedance | 50 Ω |
| Polarization | Vertical |
| Pattern | Omnidirectional |
| Half-Power Beamwidth (Elevation° x Azimuth°) | 70° x 360° |
| Coaxial Cable Length & Type | None |
| Termination | N Female connector |
| Lightning Protection | Lightning Arrestor LABH350NN (Sold separately) |

| Mechanical | |
|--|------------------------------------|
| Height | 23-3/8” |
| Diameter | 1.310” |
| Weight | < 1 lbs |
| Rated Wind Velocity | 125 mph (210 kph) |
| Rated Wind Velocity (with 0.5” radial ice) | 85 mph (137 kph) |
| Lateral Thrust @ 125mph wind velocity | 57 lbs (26 kg) |
| Wind Resistance | 0.2104 sq. ft. |
| Mounting Information | FM2 Mounting Kit (Sold separately) |

RADIATION PATTERNS



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



Azimuthal Pattern (Y, Z, or E-plane)

Americas: +1.847 839.6925
IAS-AmericasEastSales@lairdtech.com

Europe: +44.1628.858941
IAS-EUSales@lairdtech.com

Asia: IAS-AsiaSales@lairdtech.com

www.lairdtech.com

ANT-DS-FG8063 0616

Any information furnished by Laird Inc. and its agents is believed to be accurate and reliable. All specifications are subject to change without notice. Responsibility for the use and application of Laird materials rests with the end user, since Laird and its agents cannot be aware of all potential uses. Laird makes no warranties as to the fitness, merchantability or suitability of any Laird materials or products for any specific or general uses. Laird shall not be liable for incidental or consequential damages of any kind. All Laird products are sold pursuant to the Laird Terms and Conditions of sale in effect from time to time, a copy of which will be furnished upon request. © Copyright 2016 Laird Inc. All Rights Reserved. Laird, Laird Technologies, the Laird Logo, and other marks are trademarks or registered trademarks of Laird Inc. or an affiliate company thereof. Other product or service names may be the property of third parties. Nothing herein provides a license under any Laird or any third party intellectual property rights.