Laird

Smart Technology. Delivered.

FIBERGLASS OMNIDIRECTIONAL ANTENNAS

FG9023



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

Laird 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:

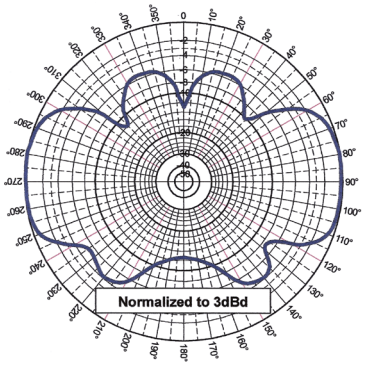
- Every FG fiberglass base antenna is tested on a network analyzer before shipping to assure the best performance.
- Special U V Treated - stands up to the sun.
- Durable gold anodized sleeve and cap with N Female connector
- Custom tuning available

APPLICATIONS:

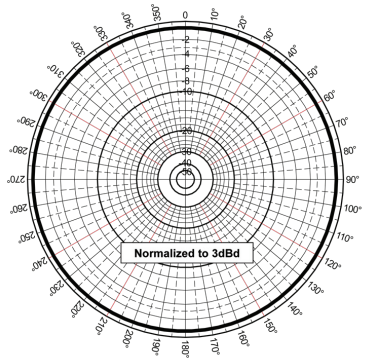
- Omnidirectional (circular) outdoor antenna applications used by private organizations and government agencies around the globe.
- Typical applications include land based and marine radio and data transmissions for public safety agencies, commercial organizations, and the military.

Electrical	
Frequency Range	902 – 928 MHz
VSWR	< 2:1 Max
Nominal Gain	3 dBd
Maximum Power	200 W
Nominal Impedance	Ω50
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)



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



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

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

Europe: +44.1628.858941
IAS-EUSales@lairdtech.com

Asia: IAS-AsiaSales@lairdtech.com

Middle East & Affrica: +44.1628.858941 IAS-MEASales@lairdtech.com

www.lairdtech.com

Laird warrants to the original end user customer of its products that its products are free from defects in material andworkmanship. Subject to conditions and limitations Laird will, at its option, either repair or replace any part of its products that prove defective by reason of improper workmanship or materials. This limited warranty is in force for the useful lifetime of the original end product into which the Laird product is installed. Useful lifetime of the original end product may vary but is not to exceed five (5) years from the original date of the end product purchase.

5 YEAR WARRANTY

ANT-DS-FG9023 0615

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 2015 Laird Inc. All Rights Reserved. Laird, Laird Technologies, the Laird Logo, and other marks are trade marks or registered trade marks 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.