

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

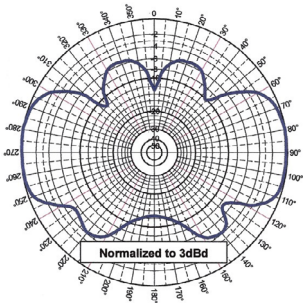
APPLICATIONS

- 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

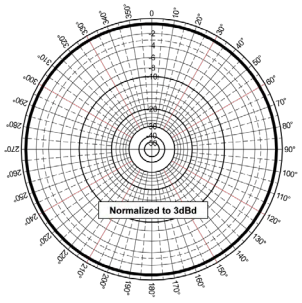
MECHANICAL SPECIFICATION	
Height	23-3/8"
Diameter	1.310"
Weight	< 1 lbs
Rated Wind Velocity	125 mph (210 kph)
Rated Wind Velocity (with 0.5" radial ice)	85 mph (137 kph)
Lateral Thrust @ 125mph wind velocity	57 lbs (26 kg)
Wind Resistance	0.2104 sq. ft.
Mounting Information	FM2 Mounting Kit (Sold separately)

ELECTRICAL SPECIFICATION	
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)

RADIATION PATTERNS



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



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

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