Laird™

Smart Technology. Delivered.™

430-440 MHz 5dBd Gain Omnidirectional Antenna

FG4305



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

The Laird FG4305 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 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

- High gain 5 dBd (7dBi)
- Every FG fiberglass base antenna is tested on a network analyzer before shipping to assure the best performance
- Custom UV protection coating
- Durable gold anodized sleeve and cap with N-female connector
- FedEx/UPS Shippable

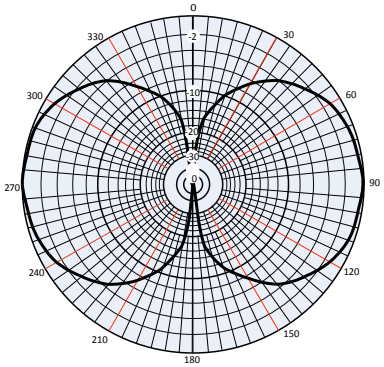
MARKETS

- Omnidirectional outdoor antennas used in commercial, public safety, and government applications around the globe.
- Typical applications include land based and marine radio and voice and data transmission

ELECTRICAL SPECIFICATIONS	
Frequency Range	430-440 MHz
VSWR	< 2.0:1 Max
Nominal Gain	5 dBd (7 dBi)
Maximum Power	200 W
Nominal Impedance	50Ω
Polarization	Vertical
Pattern	Omnidirectional
Vertical Beamwidth	20° x 360°
Coaxial Cable Length & Type	None
Termination	N-Female connector
Lightning Protection	Lightning Arrestor LABH350NN (Sold Separately)

MECHANICAL SPECIFICATIONS	
Height	76"
Diameter	1.310"
Weight	< 6 lbs
Rated Wind Velocity	125 mph (210 kph)
Rated Wind Velocity (with 0.5" radial ice)	85 mph (137 kph)
Lateral Thrust @ 125 mph WIND VELOCITY	57 lbs. (26 kg)
Equivalent Flat Plate Area (sq. ft.)	0.6959 sq. ft
Mounting Information	FM2 Mounting Kit, (Sold separately)
Operating Temperature	-30°C to +80°C

ELEVATION PATTERN (Y, Z OR H-PLANE)





Lightning Arrestor LABH350NN (Sold Separately)



FM2 Mounting Kit (Sold separately)

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5 YEAR WARRANTY

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