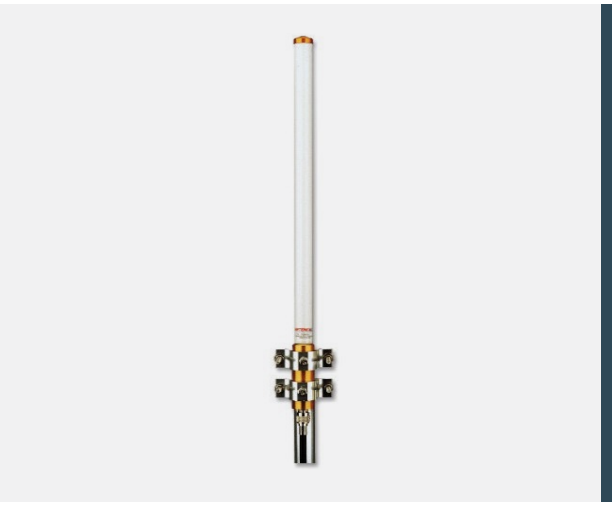


144-148 MHZ 5 DBI OMNIDIRECTIONAL ANTENNA

FG1443

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

The Laird FG1443 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 3 dBd (5dBi)
- 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

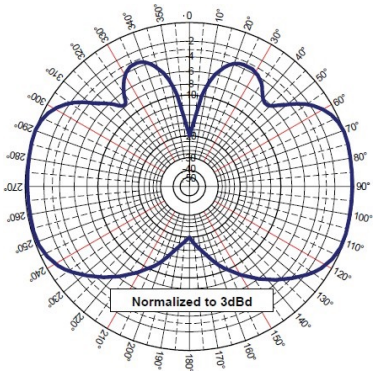
MARKETS

- 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	144-148 MHz
VSWR	<2.0:1 Max
Nominal Gain	3 dBd (5 dBi)
Maximum Power	100 W
Nominal Impedance	50Ω
Polarization	Vertical
Pattern	Omnidirectional
Half-Power Beamwidth (Elevation° x Azimuth°)	80° x 360°
Coaxial Cable Length & Type	None
Termination	N-Female connector
Lightning Protection	Lightning Arrestor LABH350NN (Sold Separately)

MECHANICAL SPECIFICATION	
Height	109-1/2”
Diameter	1.310”
Weight	<6 lbs
Rated Wind Velocity (with 0.5” radial ice)	125 mph (210 kph)
Lateral Thrust @ 1.25 mph wind velocity	85 mph (137 kph)
Equivelent Flat Plane Area (sq. ft.)	57 lbs (26 kg)
Mounting Information	0.9961 sq. ft.
Operating Temperature	FM2 Mounting Kit (Sold separately)

ELEVATION PATTERN (Y, Z OR H-PLANE)





Lightning Arrestor
LABH350NN
(Sold Separately)



FM2 Mounting Kit (Sold separately)

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