



Smart Technology. Delivered.

Omnidirectional Antenna 824-896 MHz

FG8243



OMNIDIRECTIONAL ANTENNAS 824-896 MHz FG8243

Laird's 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

- Highly stable PC board matching section
- Superior quality design
- Highest gain and best matching efficiency in the industry
- Special UV treated radome / resists sun damage
- N-female industry standard connector
- 100% tested on a Network Analyzer

ELECTRICAL SPECIFICATIONS

Frequency Range	824-896 MHz
VSWR	<2:1
Peak Gain	4.5 dBi
Maximum Power	100 W
Nominal Impedance	50 Ω
Polarization	Vertical
Pattern	Omnidirectional
Half-Power Beamwidth (Elevation° x Azimuth°)	60 x 360°
Coaxial Cable Length & Type	None
Termination	N-female Connector
Lightning Protection	Lightning Arrestor LABH350NN (Sold Separately)

MECHANICAL SPECIFICATIONS

Height	23-1/8"
Diameter	1.310"
Weight	1.5 lbs
Operating Temperature	-40°C to +85°C
Rated Wind Velocity	125 mph (210 kph)
Rated Wind Velocity (with 0.5" radial ice)	85 mph (137 kph)
Lateral Thrust @ 12mph Wind Velocity	57 lbs (26 kg)
Wind Resistance	0.2161 sq. ft.
Mounting Information	FM2 Mounting Kit (Sold Separately)



Lightning Arrestor
LABH350NN
(Sold Separately)



FM2 Mounting Kit (Sold
separately)

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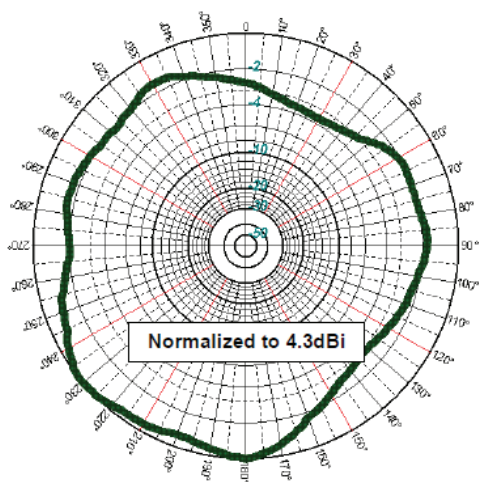


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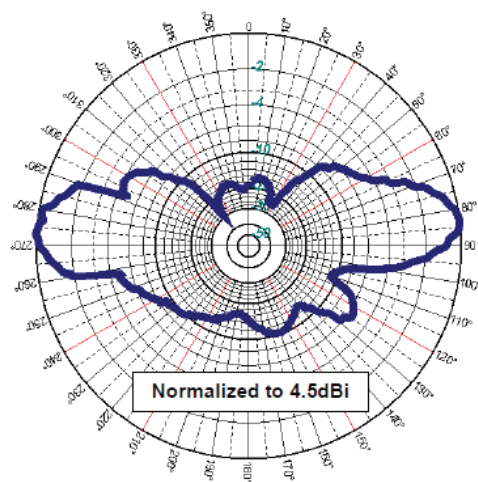
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RADIATION PATTERNS



Azimuth Pattern



Elevation Pattern

ANT-DS-FG8243 0317

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