



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)

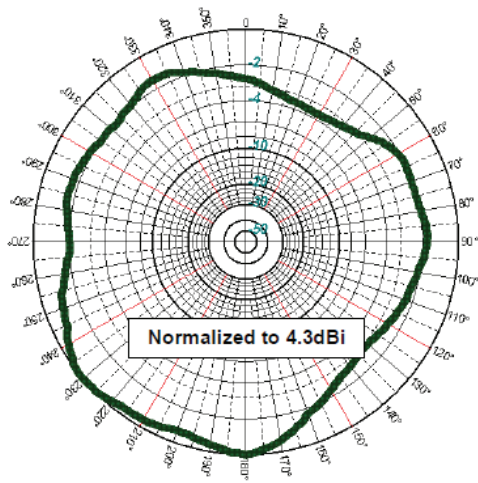


Lightning Arrestor
LABH350NN
(Sold Separately)

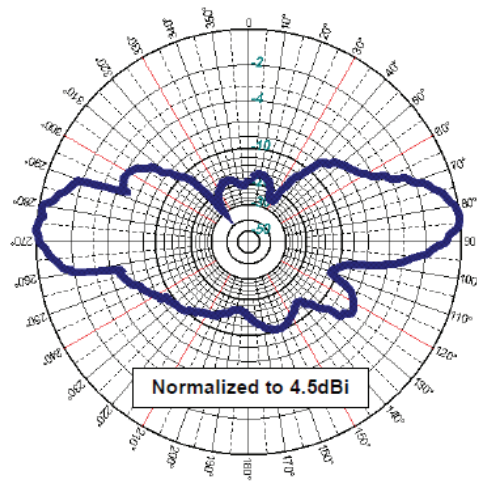


FM2 Mounting Kit (Sold separately)

RADIATION PATTERNS



Azimuth Pattern



Elevation Pattern