Smart Technology. Delivered.

OF84005
840-870 MHz 5 dBi Gain Omnidirectional Antenna



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

The Laird OF84005 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

- 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

MARKETS

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

SPECIFICATIONS

PARAMETER	SPECIFICATIONS
Model	OF84005-FNF
Frequency Bands, MHz	840-870
Peak Gain, dBi (Avg)	5.3
Peak Gain, dBi (Max)	5.4
VSWR, Avg	1.3:1
VSWR, Max	1.8:1
Nominal Impedance	50 Ω
Polarization	Vertical
Azimuth 3 dB Beamwidth	360°
Elevation 3 dB Beamwidth	26°
Max Power (Ambient 25°C)	50 Watts
RF Connector	Fixed Type N female
Antenna Dimension (L x Dia)	629 x 25.4 mm (27.2 in. x 1.0 in.)
Weight	0.79 kg (1.7 lbs)
Antenna Color	White
Radome	Fiberglass
Wind Operational	161 km/h (100 mph)
Wind Survival	266 km/h (136 mph)
Operating Temperature	-40°C to +70°C (-40°F to +158°F)
Storage Temperature	-40°C to +85°C (-40°F to +185°F)
Ingression Protection	IP67
Material Substance Compliance	RoHS

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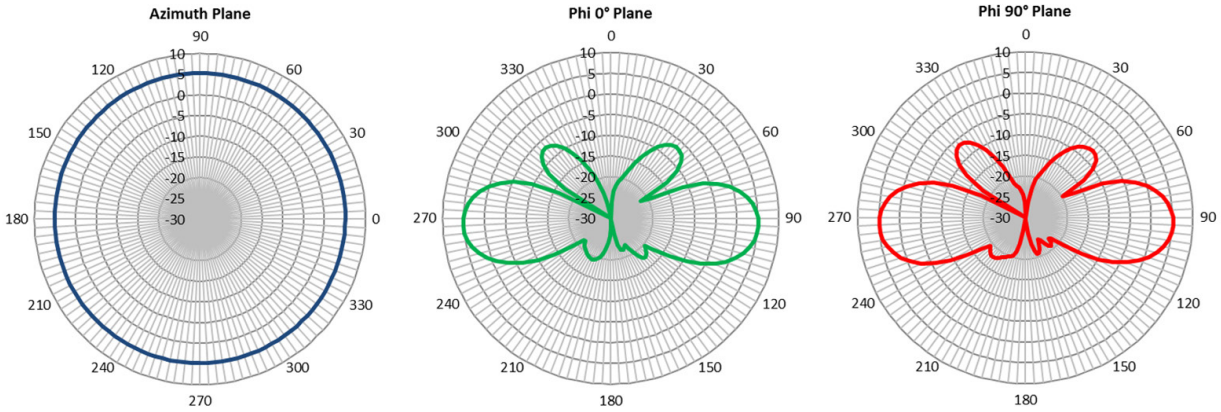
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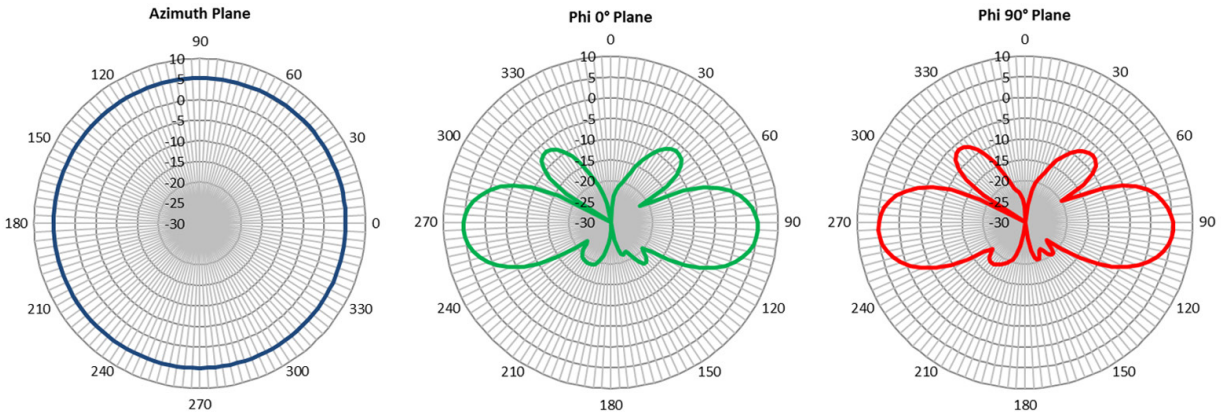
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RADIATION PATTERNS

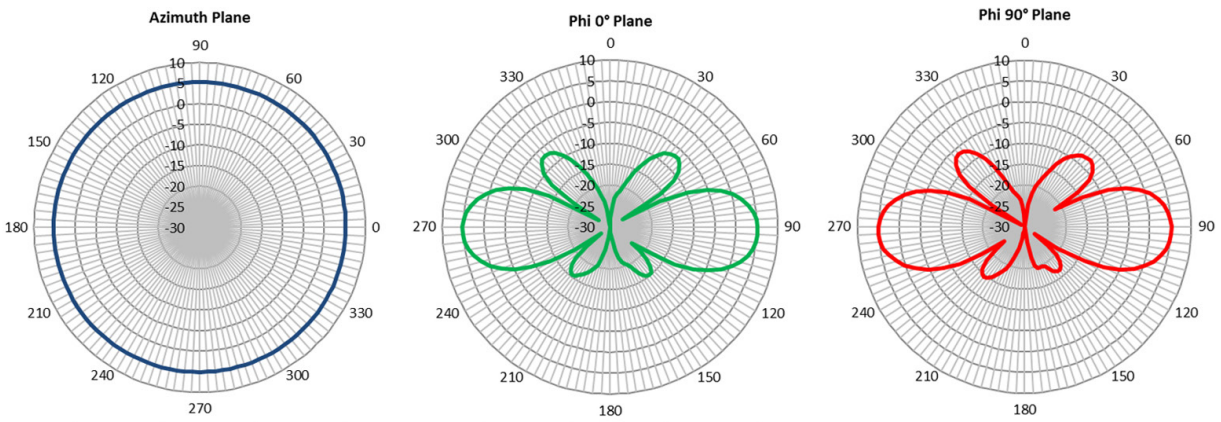
840 MHz



855 MHz



870 MHz



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