



## 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

- Mesh networking vertically polarized omni-directionals
- Various gains available: 5dBi to 12dBi
- Various frequencies available: 2.4GHz 3.5GHz, 4.9GHz, 5GHz, also tri-band model
- Type N male integrated connector
- Rugged, lightweight, and waterproof

#### MARKETS

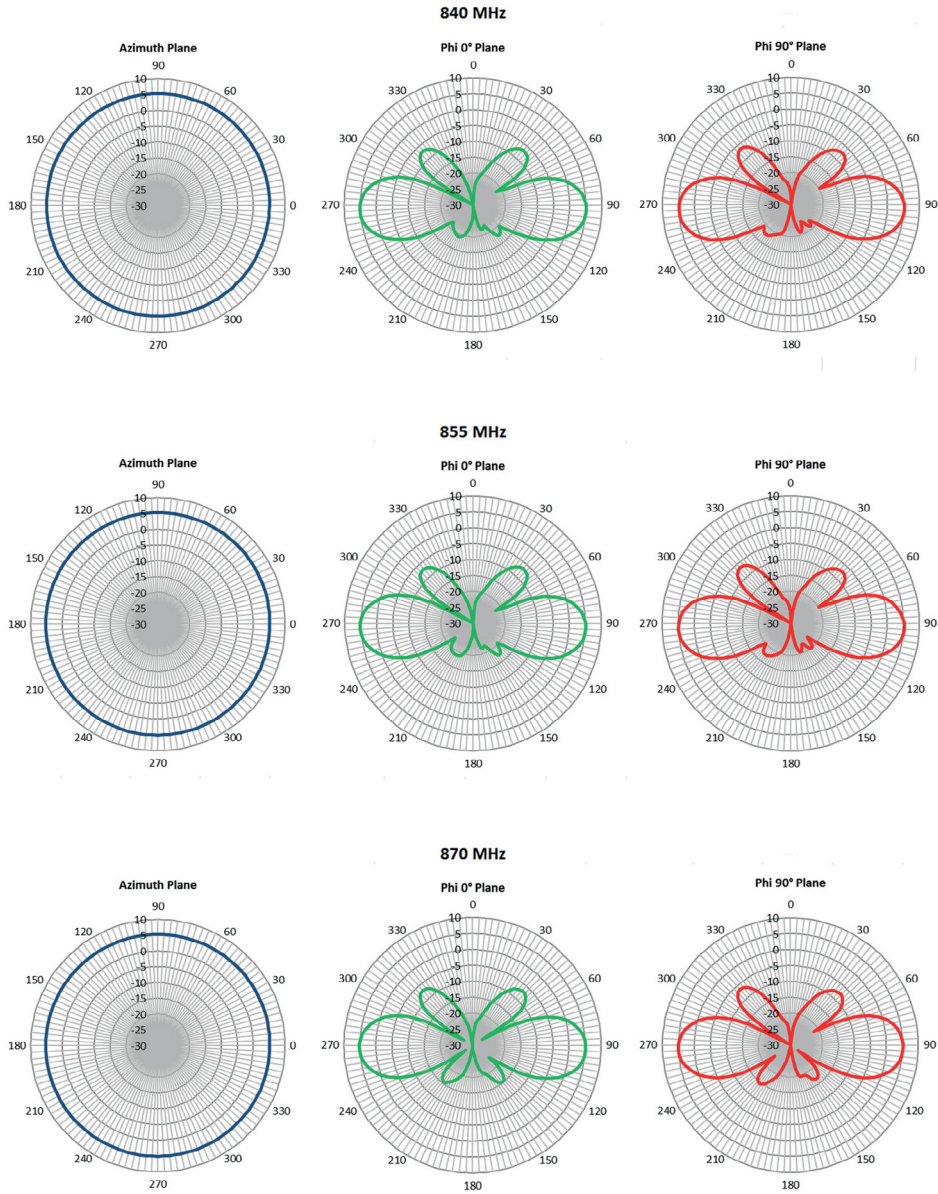
- Mesh networking applications
- 2 to 6 GHz wireless applications
- Point to multi-point systems
- Base station antennas
- WiFi access points
- WiMax base stations

#### 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

PARAMETER	SPECIFICATIONS
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

# RADIATION PATTERNS



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