



### 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 $\Omega$                        |
| 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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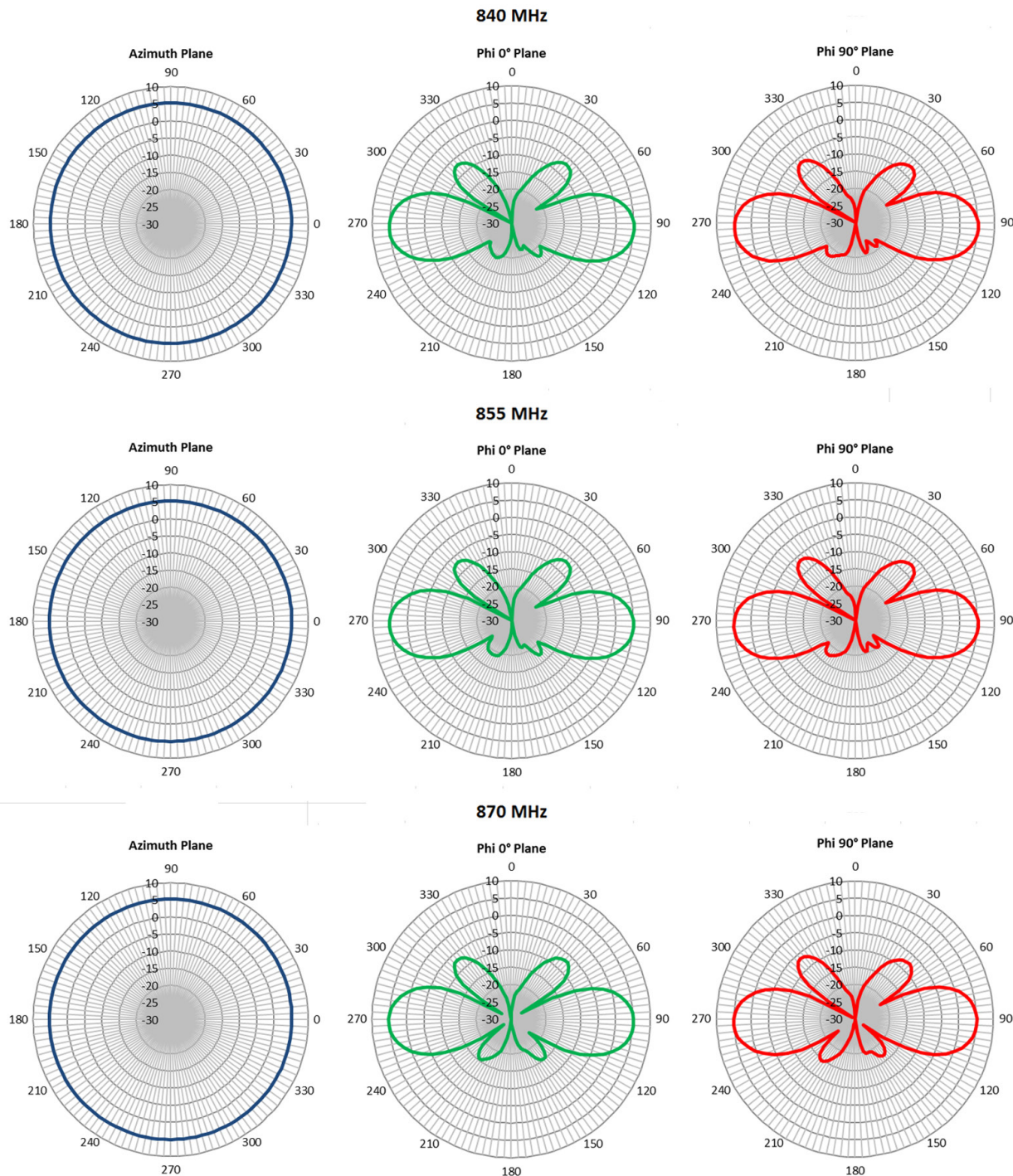
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**RADIATION PATTERNS**



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