Laird TECHNOLOGIES

Innovative **Technology** for a **Connected** World

# Broadband Wireless Antenna
## S3307BPNF

### 3.3-3.8 GHz VERTICAL POLARIZATION 9 dBi OMNI-DIRECTIONAL ANTENNA

The Laird Technologies S3307BPNF provides omni-directional pattern coverage over the entire 3.3-3.8 GHz frequency. At only 28.2 inches long by 1.75 inches in diameter and weighing in at 1.15 lbs, the antenna can be conveniently mounted to any available mounting platform without causing concern about excessive wind loading or axial torque. The antenna comes complete with mast mounting hardware. The antenna is enclosed in a UV stable radome enclosure that will provide years of use without degradation to either its mechanical properties or aesthetics.

The antenna comes with a heavy-duty, fixed N female connector at the base allowing for the most convenient site integration and weather sealing options. The S3307BPNF is a perfect choice for broadband wireless access providers initially installing omnidirectional sites as they begin the process of building out their systems. Because of the antennas wide bandwidth characteristics, it can be inventoried for eventual use by any carrier using any portion of the 3.3-3.8 GHz frequency band.

### FEATURES ✓RoHS

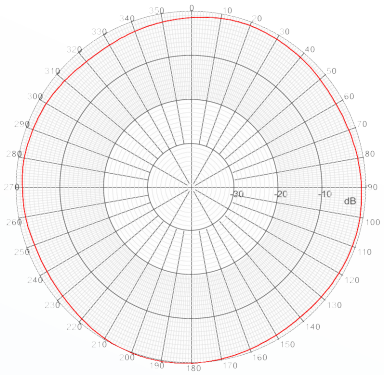
- 9.0 dBi gain
- 3.3-3.8 GHz full band coverage
- Weather proof UV stabile radome
- Mast mounting hardware included
- Slim diminutive profile 28.2 in x 1.75 in

### MARKETS

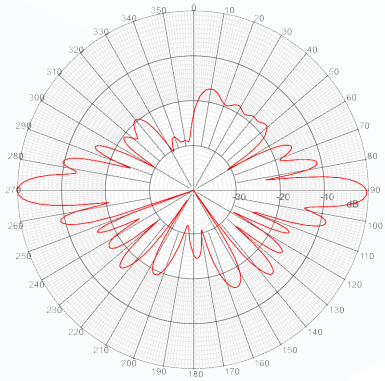
- Broadband wireless access service provider
- Campus, healthcare or transportation terminals
- Stadium, industrial plants, and processing stations
- Low to medium density, tower mounted rural locations
- WiMAX

| PARAMETER | SPECIFICATIONS |
|---|---|
| Frequency range | 3.3 - 3.8 GHz |
| Gain @ 2.5 GHz | 9 dBi |
| Maximum VSWR | 2.0:1 |
| 3 dB beamwidth - Elevation | 8° |
| Beamwidth - Azimuth | Omni-directional |
| Polarization | Linear vertical |
| Lightning protection | DC-grounded |
| Maximum input power | 10 W |
| Mechanical size | 28.2 in x 1.7 in |
| Antenna Weight | 1.15 lbs |
| Wind survival rating | Operational 100 mph / survival 136 mph |
| Antenna connection | Type N female |
| Radome | UV polycarbonate |
| Mount style | Mast mount |
| Mounting hardware | Included |
| Temperature | -40°C to +70°C |

**H-plane**
3.55 GHz



**E-plane**
3.55 GHz

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