



806-960 MHz, 1710-2500 MHz ANTENNA

The LP series antennas from Laird are ultra wideband log periodic antennas which cover a very wide frequency range. Because it covers both cellular and WLAN worldwide frequencies, it is very useful for CPE equipment and base station equipment needed for these frequency bands, minimizing the amount of equipment needed for each service location. The LP series can be used indoors or outdoors. It comes complete with all components needed for pole mounting or wall mounting. The sealed housing is UV stabilized ABS plastic. The backplate is stainless steel with stainless steel fasteners. All bracket components are stainless steel for corrosion protection. The pigtail is 18 inch outdoor rated cable terminated with an N female connector standard. Other connector/cable configurations available upon request.

FEATURES

- Covers both cellular and WLAN frequencies
- Consistent 9 dBi gain across all frequencies
- Pole mount or wall mount
- Light gray attractive UV protected housing
- Vertical or horizontal polarization
- DC grounded for lightning protection

MARKETS

- Cellular / WLAN repeaters
- WISP equipment
- Indoor cellular / WLAN extenders
- Non-line of sight

| PARAMETER | MIN | TYP | MAX | UNITS |
|--|-------------------------------------|-------|-----------|---------|
| Frequency Range | 806-960 | | 1710-2500 | MHz |
| VSWR | | 1.5:1 | | |
| Impedance | | 50 | | OHM |
| Input Power | | | 50 | W |
| Operating Temperature | -45 | | +70 | Deg C |
| Gain | | 9 | | dBi |
| 3 dB Beam Angle (E-Plane) | | 55 | | Deg |
| 3 dB Beam Angle (H-Plane) 806-960 | | 90 | | Deg |
| 3 dB Beam Angle (H-Plane) 1710-2500 | | 75 | | Deg |
| Front to Back | 23 | | | dB |
| Pole Size | | | 1.7 | in |
| Weight | 1.5 (.7) | | | Lb (kg) |
| Outside Dim (L x W x H) | 15.5 x 10.5 x 2.75 (394 x 267 x 70) | | | in (mm) |

| WIND LOADING | 100 MPH | 125 MPH | 100 MPH WITH ½ IN RADIAL ICE |
|--------------|---------|---------|------------------------------|
| Force (lbs) | 18.8 | 29.3 | 29.5 |

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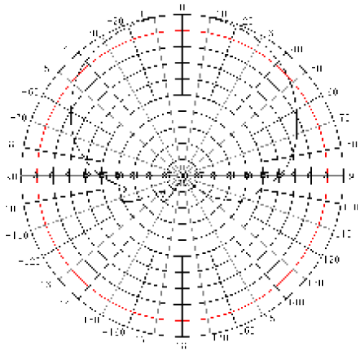
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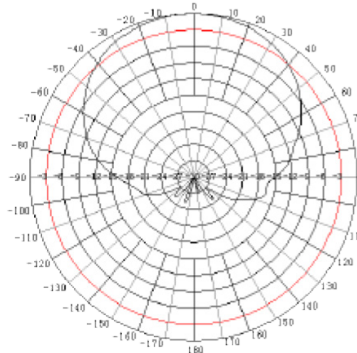
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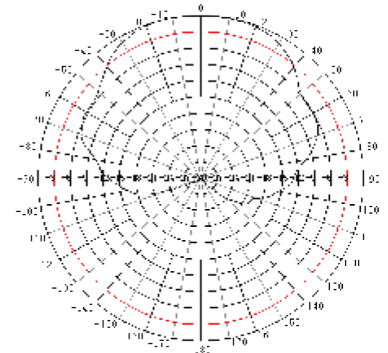




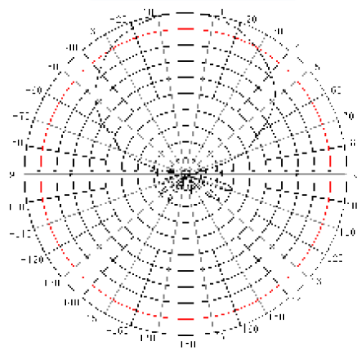
890 MHz
H-Plane



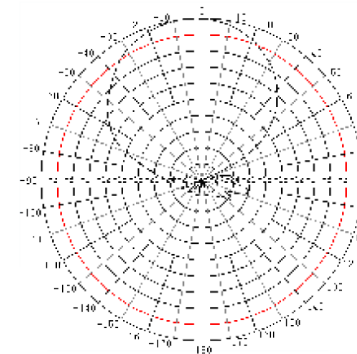
1800 MHz
H-Plane



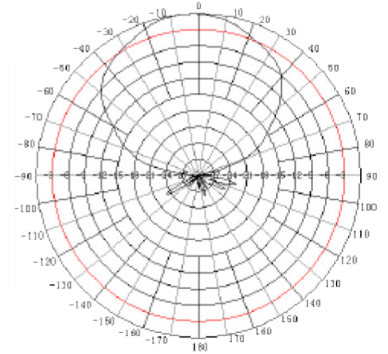
2400 MHz
H-Plane



890 MHz
E-Plane



1800 MHz
E-Plane



2400 MHz
E-Plane

ANT-DS-LP800-2500-9-NF 0715

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