Laird

Smart Technology. Delivered.

LP800-2500-9-NF

Log Periodic Dual-Band Antenna



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

RoHS

- 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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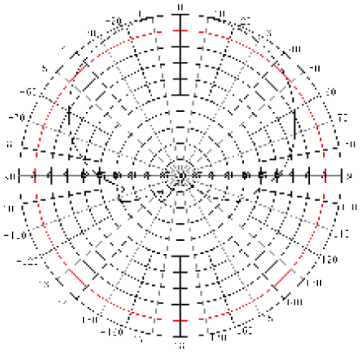
www.lairdtech.com

Laird warrants to the original end user customer of its products that its products are free from defects in material and workmanship. Subject to conditions and limitations Laird will, at its option, either repair or replace any part of its products that prove defective by reason of improper workmanship or materials. This limited warranty is in force for the useful lifetime of the original end product into which the Laird product is installed. Useful lifetime of the original end product may vary but is not to exceed five (5) years from the original date of the end product purchase.

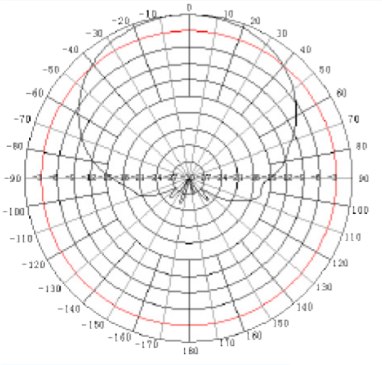
5 YEAR WARRANTY

Smart Technology. Delivered.

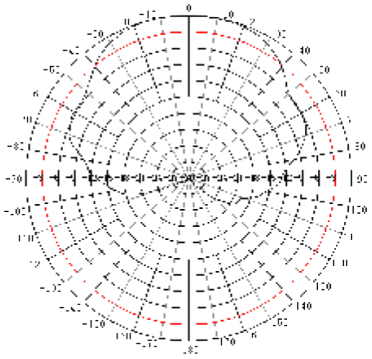
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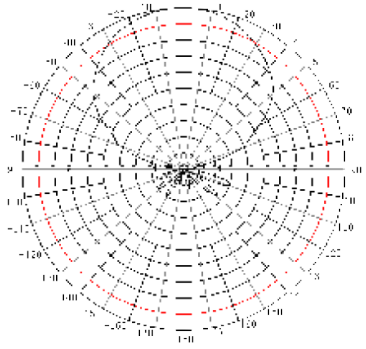
890 MHz
H-Plane



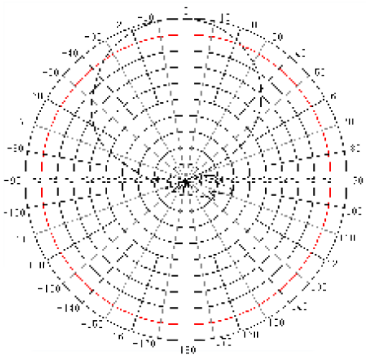
1800 MHz
H-Plane



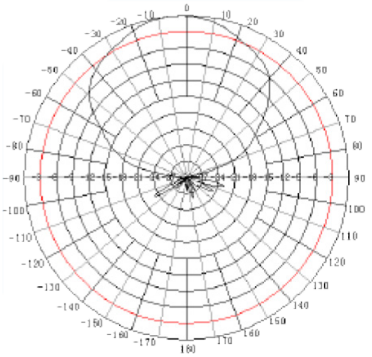
2400 MHz
H-Plane



890 MHz
E-Plane



1800 MHz
E-Plane



2400 MHz
E-Plane

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