



## LP800-2500-9-NF

### Log Periodic Dual-Band 806-960 MHz, 1710-2500 Antenna

LP series antennas are ultra-wideband log periodic antennas which cover a very wide frequency range. Because they cover both cellular and WLAN worldwide frequencies, they are very useful for CPE and base station equipment used in those frequency bands. This minimizes the amount of equipment needed for each service location.

The LP series can be used indoors or outdoors. They come complete with all components needed for pole mounting or wall mounting.

The pigtail is 18 inch outdoor rated cable terminated with an N female connector standard. Other connector/cable configurations may be available upon request.

#### FEATURES

- Covers both cellular and WLAN frequencies
- Pole mount or wall mount with supplied mounting hardware
- Light gray attractive UV protected housing

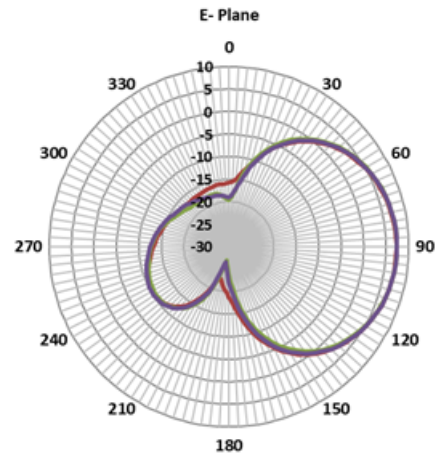
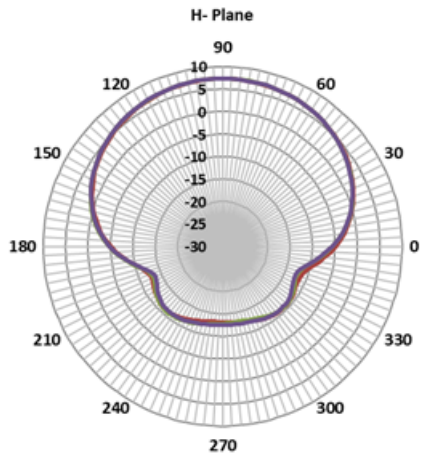
#### APPLICATIONS

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

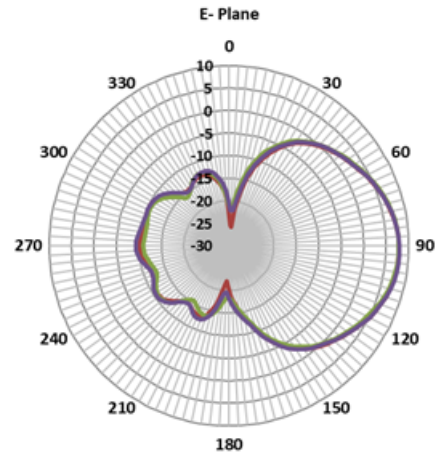
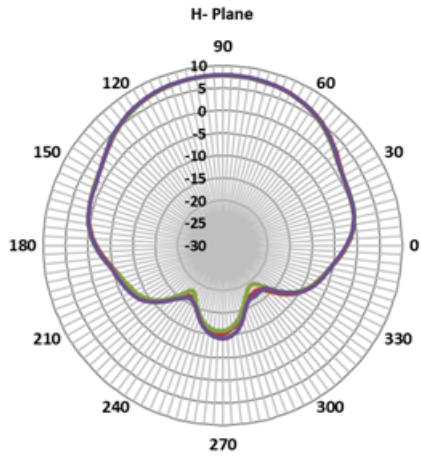
PARAMETERS		
Frequency (MHz)	806-960	1710-2500
VSWR	1.3:1	1.4:1
Impedance (ohm)	50	
Input Power (W)	50	
Operating Temperature (°C)	-45 to +70	
Peak Gain (dBi)	8.2	9.2
3 dB Beam Angle E-Plane	65°	55°
3 dB Beam Angle H-Plane	100°	80°
Pole Size mm (in)	40-50 (1.58 - 1.97)	
Weight kg (.lbs)	0.92 (2.0) - Antenna Only - Without Bracket	
Outside Dim L x W x H mm (in.)	293 x 210 x 65 (11.54 x 8.23 x 2.56)	

# RADIATION PATTERNS

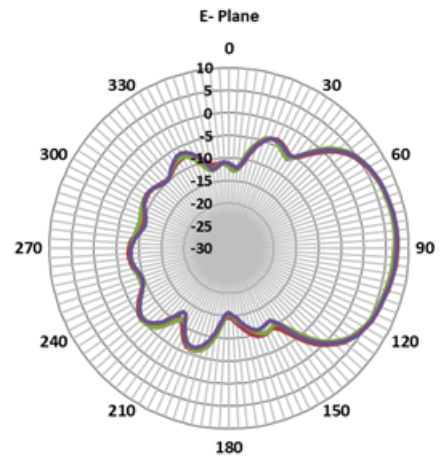
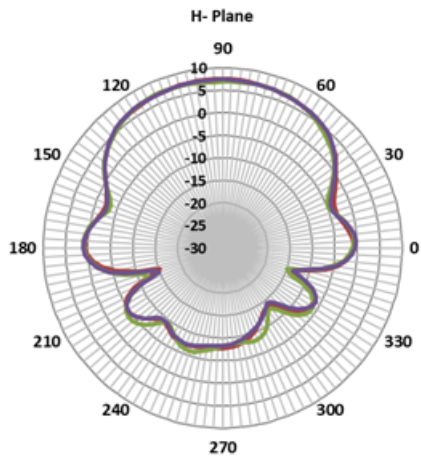
## Radiation Patterns at 880 MHz



## Radiation Patterns at 1810 MHz



## Radiation Patterns at 2350 MHz



## te.com

TE, and TE connectivity (logo) are trademarks owned or licensed by the TE Connectivity Ltd. family of companies. All other logos, products and/or company names referred to herein might be trademarks of their respective owners.

The information given herein, including drawings, illustrations and schematics which are intended for illustration purposes only, is believed to be reliable. However, TE Connectivity makes no warranties as to its accuracy or completeness and disclaims any liability in connection with its use. TE Connectivity's obligations shall only be as set forth in TE Connectivity's Standard Terms and Conditions of Sale for this product and in no case will TE Connectivity be liable for any incidental, indirect or consequential damages arising out of the sale, resale, use or misuse of the product. Users of TE Connectivity products should make their own evaluation to determine the suitability of each such product for the specific application.

TE Connectivity 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 TE Connectivity will, at its option, either repair or replace any part of its products that prove defective because of improper workmanship or materials. This limited warranty is in force for the useful lifetime of the original end product into which the TE Connectivity product is installed. Useful lifetime of the original end product may vary but is not warranted to exceed one (1) year from the original date of the end product purchase.

©2024 TE Connectivity. All Rights Reserved.

09/24 Original

## TE TECHNICAL SUPPORT CENTER

USA:	+1 (800) 522-6752
Canada:	+1 (905) 475-6222
Mexico:	+52 (0) 55-1106-0800
Latin/S. America:	+54 (0) 11-4733-2200
Germany:	+49 (0) 6251-133-1999
UK:	+44 (0) 800-267666
France:	+33 (0) 1-3420-8686
Netherlands:	+31 (0) 73-6246-999
China:	+86 (0) 400-820-6015