



OC24594 Access Point Antenna

OC24594 LOW PROFILE DIPOLE ACCESS POINT ANTENNA

Today's work and lifestyles require us to communicate anytime, anywhere... whether on the move or sitting still. Bluetooth and 802.11 standards make wireless connections to computer networks and other devices possible, while at the same time enabling freedom of movement.

Laird's practical and rugged external wireless device antennas are designed to fit into the access points used in office, industrial, and home environments. The antenna features dual resonant flexible elements that have reduced ground dependence thereby desensitizing performance variation typically associated with antenna location on the access point.

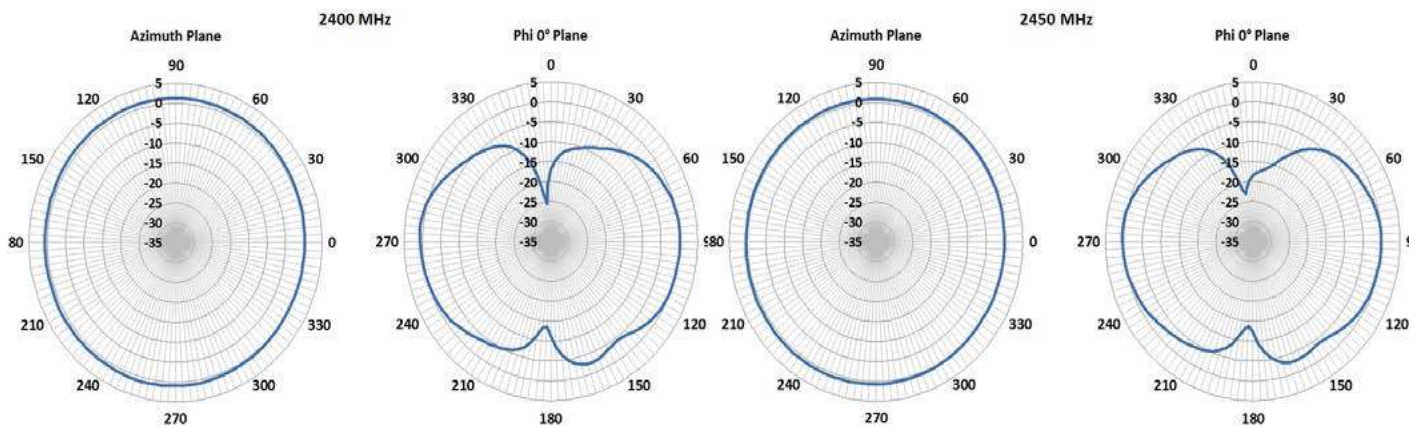
FEATURES

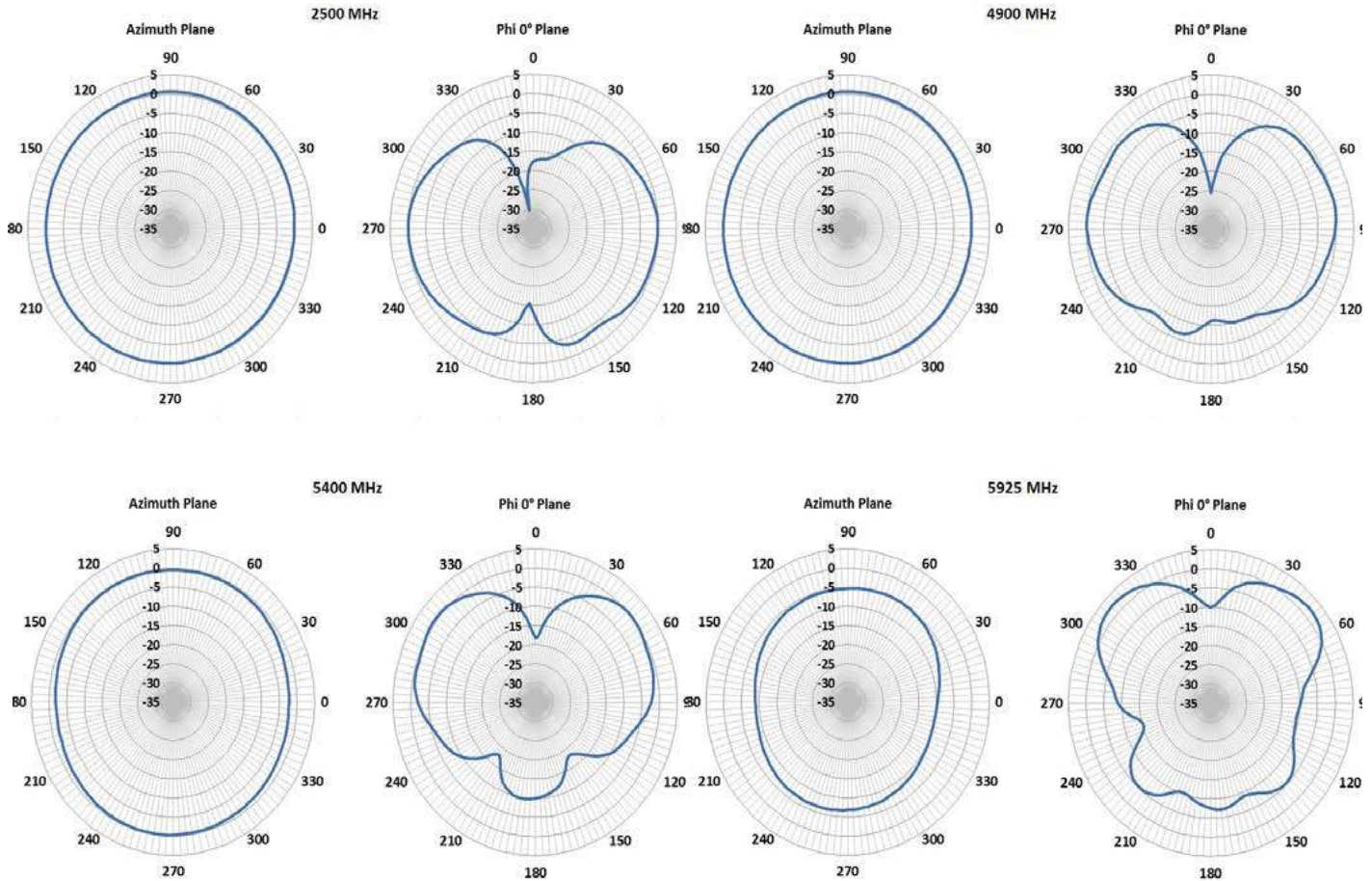
- ½ wave dipole design for improved performance.
- Low profile white polycarbonate, UL94-V0, UV stable radome.
- IP54 Rated for harsh indoor environments.

MARKETS

- Bluetooth & IEEE 802.11a/b/g devices.
- Office LAN environments.
- Warehouse & Manufacturing.
- Retail & hospitality.

| PARAMETER | SPECIFICATIONS | |
|-------------------------------|--|-----------|
| Model | OC24594-FRTN | |
| Frequency Bands, MHz | 2400-2500 | 4900-5925 |
| Peak Gain, dBi (Avg) | 1.0 | 2.8 |
| Peak Gain, dBi (Max) | 1.3 | 4.1 |
| VSWR (Avg) | 1.7:1 | 1.3:1 |
| VSWR (Max) | 2.0:1 | 2.0:1 |
| Nominal Impedance | 50Ω | |
| Polarization | Vertical | |
| Azimuth 3 dB Beamwidth | 360° | |
| Elevation 3 dB Beamwidth | 75° | 54° |
| Max Power (Ambient 25°C) | 10 Watts | |
| Antenna Dimensions (Dia x H) | 75.9 mm x 19.8 mm (2.99 in. x 0.78 in.) | |
| Weight | 35 g (0.08 lbs) | |
| Connector | Fixed RP TNC male | |
| Antenna Color | White | |
| Radome | Polycarbonate, UL94-V0, UV Stable | |
| Operating Temperature | -30°C to +70°C (-22°F to +158°F) | |
| Storage Temperature | -40°C to +85°C (-40°F to +185°F) | |
| Ingression Protection | IP54 | |
| Material Substance Compliance | RoHS | |





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.

©2022 TE Connectivity. All Rights Reserved.

08/22 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 |