

Dual-Band MIMO Directional Antenna S245112PT



2.4-2.5 / 5.1-5.9 GHZ DUAL-BAND POINT-TO-POINT MIMO DIRECTIONAL ANTENNA

Laird's S245112PT is a dual-band, directional panel antenna for use in 802.11n MIMO applications. Enclosed in a low-profile radome, the antenna is mounted using the included articulating mount. The mount can be affixed to a mast or anchored directly to a vertical surface. Each of the three MIMO antenna elements are connected to the WLAN Access Point via a low loss, plenum-rated, coax pigtail. The radiation patterns are uniform and symmetrical, providing high-level signal density into defined coverage zones. This antenna will greatly enhance the performance of 802.11n systems. The dual-band frequency coverage means that a single type of antenna can be deployed with any MIMO radio in the 2.4-2.5 GHz and 5.1-5.9 GHz bands.

FEATURES RoHS

- Tri-Band operation: 2.4 GHz, 5.3 GHz, 5.8 GHz
- Extends range of wireless access points or wireless bridges
- N male connector
- IP-67 seal rating

APPLICATIONS

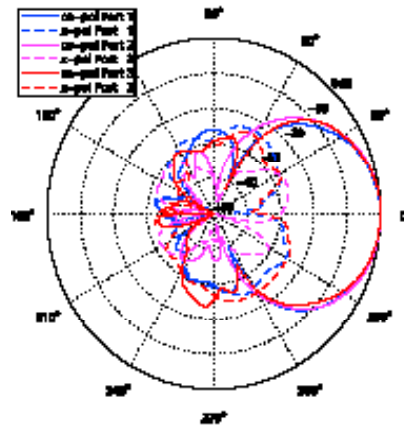
- 2.5, 5.3 GHz Wireless Access Points
- 2.5, 5.3 GHz Wireless Client Bridges
- 2.5, 5.3 GHz Wireless Routers
- Public safety wireless systems
- 802.11a/b/g wireless equipment
- WIMAX

Parameter	Specifications
Frequency	2400-2500 MHz, 5125-5875 MHz
Gain	10.9 dBi @ 2450 MHz, 13.5 dBi @5500 MHz
3 dB Beamwidth-Azimuth	45° @2.4 GHz / 20°@5.0 GHz
3 dB Beamwidth-Elevation	45° @2.4 GHz / 20°@5.0 GHz
Polarization	Linear, 2 Vertical, 1 Horizontal
VSWR	2.0:1
Cable Length in. (mm)	36" (914) Plenum rated (other lengths available)
RF Connector	Reverse SMA (3x)
Power Rating	10 W
Radome	Polycarbonate
Dimensions inches (mm)	16.2"x 14.7"x 1.4" (411.4 x 373.3 x 35.8)
Weight	1.1kg
Wind Surface Area	@ 0°, 0.067m ² / @ 90°, 0.009m ²
Wind Survival	200 km/h
Operational Temperature	-30°C to +65°C
Mount Style	Articulating for Wall / Mast
Water / Dust Seal Rating	IP-67

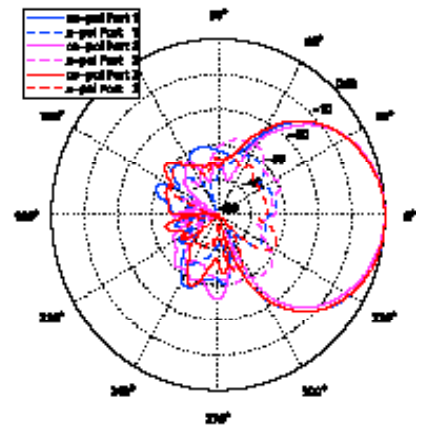
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S245112PT

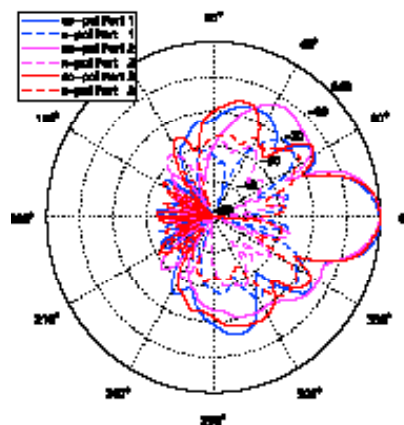
ANTENNA PATTERNS



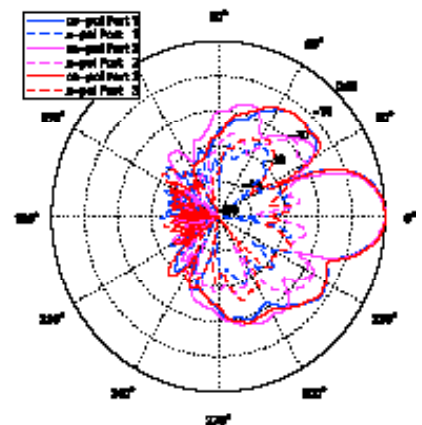
H Plane 2.45 GHz



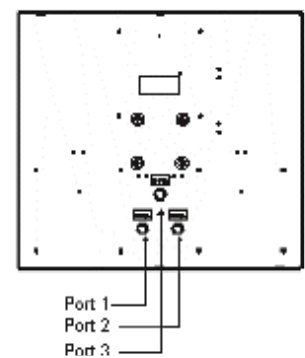
E Plane 2.45 GHz



H Plane 5.5 GHz



E Plane 5.5 GHz



ANT-DS-RD2458-5-OTDR_0414

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