

2.5 GHZ WIDE BAND PANEL ANTENNA

Laird Technologies' S25015PT is a directional panel antenna for use in WiMax, WLAN and WISP applications. Enclosed in a low-profile radome, the antenna is mounted using the included tilt mast mount. The antenna element is connected to the communication hardware 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 wireless systems.

FEATURES

- Low profile housing
- IP66 Rating
- Heavy Duty Tilt Mount
- Performance optimized using Laird Technologies' proprietary RF optimization tools
- Various connector and coax lengths options available

MARKETS

- WiMax networks
- WISP networks
- WLAN networks
- Designed specifically to support 802.11,b/g networks
- Campus
- Public safety wireless systems

SPECIFICATIONS

PARAMETER	SPECIFICATIONS
Part Number	S25015PT
Frequency	2400-2700 MHz
Gain	14 dBi @ 2450 MHz 15 dBi @ 2600 MHz
3 dB Beamwidth-Azimuth	25°
3 dB Beamwidth-Elevation	25°
Polarization:	Linear, Vertical / Horizontal
VSWR	2.0:1
Cable Length in. (cm)	39" (100) RG 58 rated (other lengths available)
RF Connector	N (male)
Power Rating	1 W (average) /10 W (peak)
Radome	Polycarbonate
Dimensions (mm)	10.2" x 10.2" x 1.3" (259.1 x 259.1 x 33.5)
Weight	907.2g
Wind Surface Area	@ 0°, 0.067m ² / @ 90°, 0.009m ²
Wind Survival	200 km/h
Operational Temperature	-40°C to +75°C
Mount Style	Tilt for Mast
Water / Dust Seal Rating	IP-66
RoHS	Compliant

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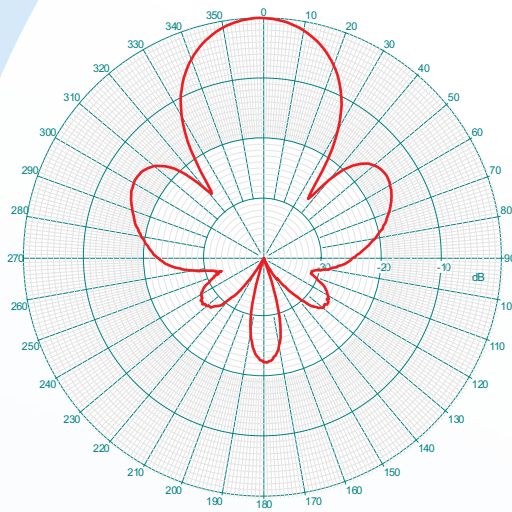
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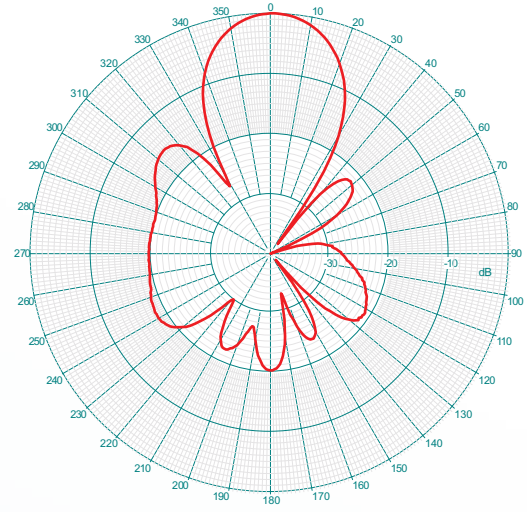
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Antenna Patterns



2.6 GHz H Plane



2.6 GHz E Plane

SYSTEM ORDERING INFORMATION

- S25015PT 2400-2700 MHz 14 dBi panel antenna
- S25015PT39NM 2400-2700 MHz 14 dBi panel antenna with N Male connector
- S25015PT39SMM 2400-2700 MHz 14 dBi panel antenna with SMA Male connector

ANT-DS-S25015PT 1110

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