

SM24513P3

MIMO internal Antenna

DUAL-BAND INTERNAL MIMO DIRECTIONAL ANTENNA

Laird Technologies' SM24513P3 is a dual-band, directional internal panel antenna for use in 802.11n MIMO applications. Each of the three MIMO antenna elements can be connected internally to a radio for use as a WLAN Access Point. 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

- Low profile
- Performance optimized using Laird Technologies' proprietary RF optimization tools
- Designed specifically to support 802.11n networks
- Various connector and board configurations available
- Polarization diversity

MARKETS

- Hospital
- Campus
- Research Institute
- Public safety wireless systems
- Transport Terminals

MODEL	SPECIFICATION
Part Number	SM24513P3
Frequency (GHz)	2.4 - 2.5 5.15 - 5.875
Gain (dBi)	3 dBi @ 2.4 GHz, 4 dBi @ 5.15 GHz
3 dB beamwidth -Azimuth	90° @ 2.4 GHz / 120° @ 5.0 GHz
3 dB beamwidth -Elevation	90° @ 2.4 GHz / 120° @ 5.0 GHz
Polarization	Linear (2 vertical, 1 horizontal)
VSWR	2.0:1
Cable Length (mm)	120
RF connector	U.FL (3x)
Power (watts)	1
Dimensions (mm)	4.1x3.4x.275 (104x87x7)
Weight lb (kg)	0.1 (.05)
Operational Temperature (C°)	0° to +55°
Mounting style	Ceiling grid

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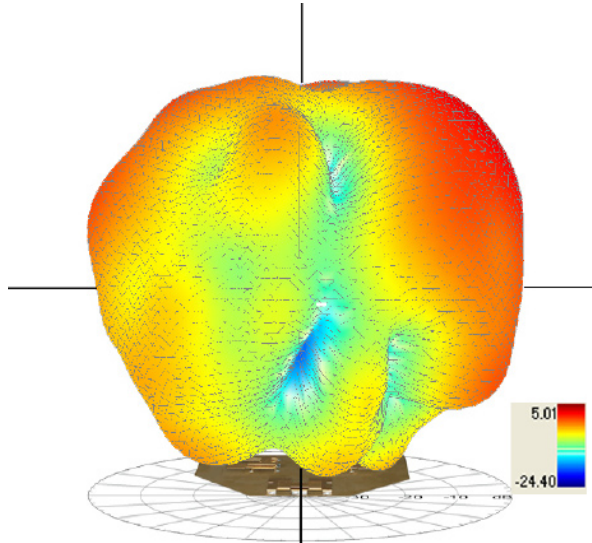
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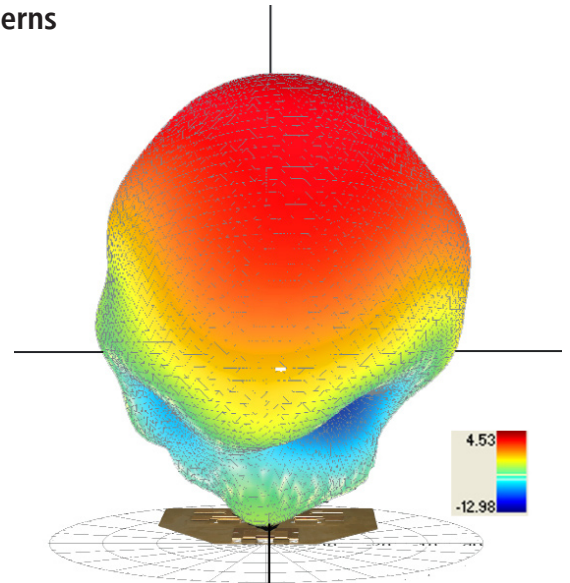
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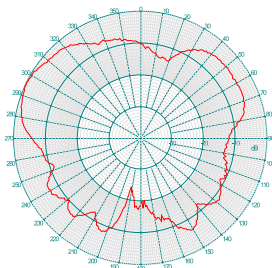
Antenna Patterns



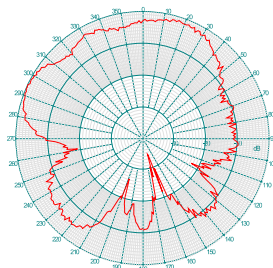
Port1 5500 MHz 5.01dB



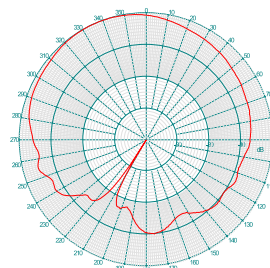
Port1 2442 MHz 4.53dB



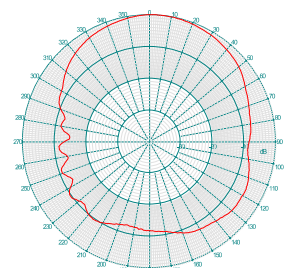
Port 1 E Plane 5.5 GHz



Port 1 H Plane 5.5 GHz



Port 1 E Plane 2.4 GHz



Port 1 H Plane 2.4 GHz

ANT-DS-SM24513P3 0509

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