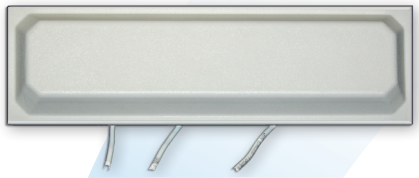
Laird TECHNOLOGIES

Innovative **Technology** for a **Connected** World

S24493TS
MIMO Antenna



2.4-2.5 & 4.9-5.9 GHZ 3.5 DBI CEILING GRID MOUNTED OMNI

The S24493TS is a dual-band 3-element omni-directional antenna for use in 802.11n MIMO applications. Housed in a compact, low-profile PVC/Acrylic Radome, the antenna can be mounted to a variety of drop ceiling grids using the integrated spring clips. It can also be mounted to a flush surface via the four mounting holes. Each of the three MIMO antenna elements is connected to the WLAN Access Point via a low loss, plenum-rated coax pigtail.

The radiation patterns are uniform and symmetrical, providing high levels 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 4.9-5.9 GHz bands. A wide choice of coax lengths and connector types are available.

FEATURES ✓RoHS

- Vertically polarized and omni-directional
- Compact, low-profile housing
- Wide choice of coax length and connector types
- 2.4-2.5 GHz and full wide band 4.9-5.9 GHz performance

APPLICATIONS

- 802.11n MIMO
- Offices, hotels, and college campuses
- Airports and hospitals
- Bus terminals and train stations
- Museums, libraries, and retail malls

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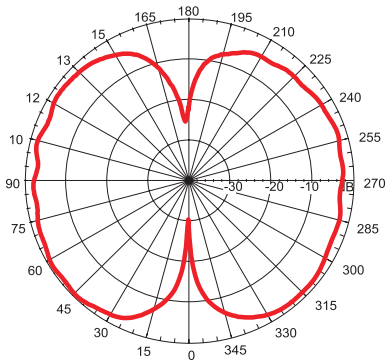
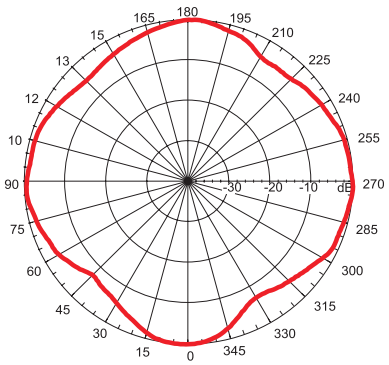
PARAMETER	SPECIFICATION
Frequency Range	2.4-2.5 & 4.9-5.9 GHz
Gain	3.0 dBi for 2.4-2.5 GHz nominal; 4.0 dBi for 4.9-5.9 GHz nominal
Maximum VSWR	2.0:1
2 dB Beamwidth - Elevation	60°
3 dB Beamwidth - Azimuth	Omnidirectional
Polarization	Vertical Linear
Maximum Input Power	2 watts
Mechanical Size (mm)	308.2 x 22 x 92
Weight	0.39 kg
Antenna Connection	Reverse SMA (3x)
Radome	ASA
Mount Style	Ceiling grid / suspended tile

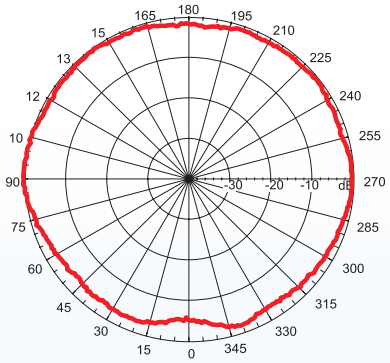
All specifications subject to change without notice.



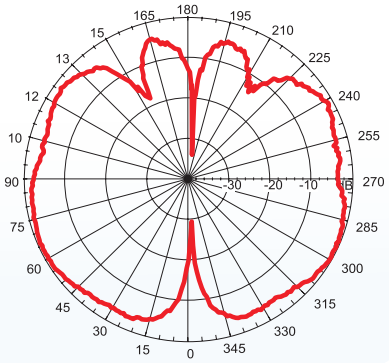
E Plane 2.5 GHz



H Plane 2.5 GHz



H Plane 5.47 GHz



E Plane 5.47 GHz

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