

S24493TS

MIMO Antenna

2400-2500 MHz/4900-5900 MHz

The Laird Connectivity S24493TS is a dual-band three-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 level signal density into defined coverage zones. This antenna greatly enhances 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 AND BENEFITS

- 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

ELECTRICAL SPECIFICATION

Model Name	S24493TS	
Operating Frequency (MHz)	2400-2500	4900-5900
VSWR - Max	2.0:1	
Gain (dBi)	3.0	4.0
Max Power - Ambient 25°C (W)	2	
Vertical Plane 3 dB Beamwidth	60°	
Horizontal Plane 3 dB Beamwidth	Omnidirectional	

MECHANICAL SPECIFICATION

Dimensions - mm (inches)	308.2 x 22.0 x 92.0 (12.13 x .87 x 3.62)
Weight - kg (lbs.)	0.39 (.86)
Mounting	Ceiling grid/Suspended tile
Radome Material	ASA

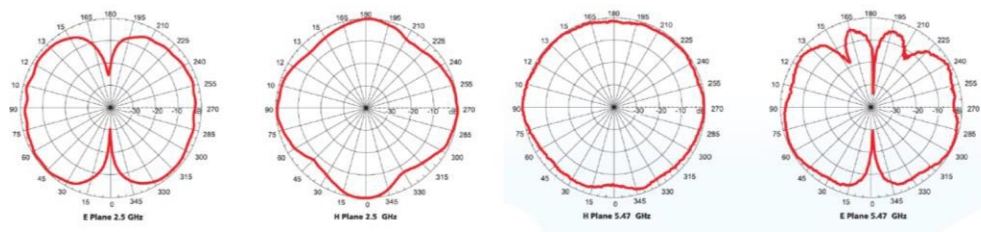
ENVIRONMENTAL SPECIFICATION

Operating Temperature - °C (°F)	-30 to +70°C (-22 to +158°F)
Storage Temperature - °C (°F)	-30 to +70°C (-22 to +158°F)
Material Substance Compliance	RoHS

CONFIGURATION

PART NUMBER	CONNECTOR
S24493TS	Reverse SMA (3x)

RADIATION PATTERNS



TE TECHNICAL SUPPORT CENTER

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