

SR249120D Series

2.4-2.5 / 4.9-5.9 GHz 5 dBi

Dual-Band 120° Sector Antenna



DUAL BAND TRI-MODE SECTOR ANTENNA

Laird Technologies' SR249120D dual-band tri-mode antenna offers the system integrator a perfect solution to indoor and outdoor wide area coverage wall-mount applications. While omni-directional antennas are well suited for installations where the antenna has a 360 degree unobstructed view of the coverage area, wall mounting omni-directional antennas can create a number of system performance issues. Because the antenna radiates equally in all directions, much of the power is radiated directly to the wall surface behind the antenna. This causes elements of the wall to become actual components of the antenna, often causing multi-path nulls within the intended coverage area.

The SR249120D antenna provides a solution for the most common coverage requirements. Its integrated backplane shields the radiating element from the wall, eliminating any problems from wall construction components. The antenna's gain makes it a perfect replacement for typical high-performance omni-directional antennas. The result is solid, consistent, and uniform coverage within the intended coverage area.

FEATURES

- Covers 802.11b/a/g modes of operation
- Pattern optimized for wide area directional coverage
- Suitable for both indoor and outdoor applications direct to radio mounting
- Wide range of connector type and cable length options available

MARKETS

- Healthcare centers
- Campus
- Warehouses
- Business parks
- Transport concourses
- Retail malls

global solutions: local support™

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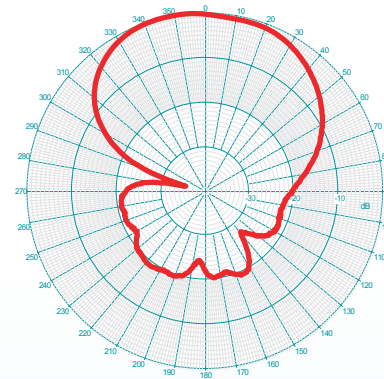
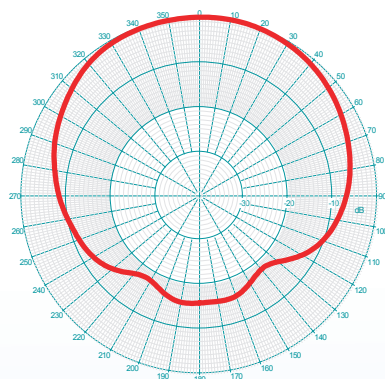
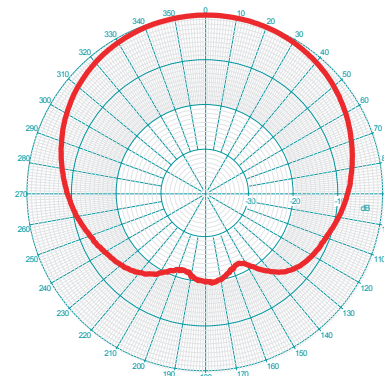
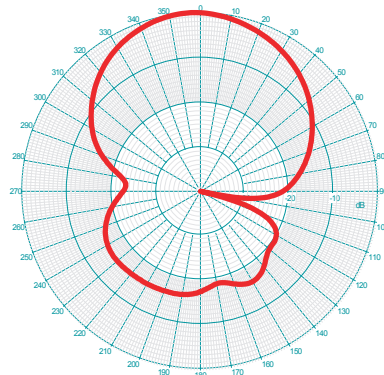
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PARAMETER	SPECIFICATIONS
Part Number	SR249120D
Frequency (GHz)	2.4-2.5 GHz; 4.9-5.9
Gain (dBi)	5
3 dB Beamwidth-Azimuth	120°
3 dB Beamwidth-Elevation	65°
Polarization	Vertical Linear
VSWR	2.0:1
Cable Length (mm)	304 Ultralink RG-58
RF Connector	N (m)
Power Rating	5 W
Dimensions (mm)	1.38" x 2.16" x 5.16" (35 x 55 x 131)
Weight	.09 kg
Enclosure	High Strength PC
Mount Style	Wall / Mast
RoHS	Compliant



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