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CMD69273P
698-960 MHZ/1710-2700 MHz Low PIM 2-port MIMO Ceiling Mount Antenna

LOW PIM 2-PORT MIMO MULTI-BAND CEILING MOUNTED OMNIDIRECTIONAL ANTENNA

The CMD69273P is an indoor broadband low PIM 2-port MIMO omnidirectional ceiling mount antenna. It is designed to provide pattern coverage that is optimized for indoor requirements at 698-960 MHz and 1710-2700 MHz frequency bands. The individual antenna elements are designed with linear H/V-polarization components oriented to provide a pattern that has been specifically shaped to provide optimal performance from a ceiling mount location.location.

FEATURES RoHS

- Low Profile aesthetically neutral housing
- Mounts directly and easily to ceiling tile
- Wide bandwidth 700/850/900/1800/1900/2100/2300/2400/2500/2600
- Two radiating elements optimized for indoor MIMO Applications
- Low cross correlation between radiating elements
- Low Passive Intermodulation
- Conformance to RoHS
- To mitigate the multipath polarization propagation issue, each radiating element is designed to have dual-linear H/V polarization characteristics

BENEFITS

- Complete cellular and 3G/4G data communications in a single antenna
- Radiating elements are oriented to provide maximal coverage

MARKETS

- Cellular
- LTE/WiMAX
- 802.11 a/b/g/n
- Warehouse, Offices and Meeting Rooms
- Hotels, Museums, Libraries, Retail Malls
- Airport, Bus Terminals and Train Stations
- Other in-building areas

	CMD69273P
Frequency	698-960 MHz/1710-2700 MHz
Peak Gain	3.1 (typical), 3.9 (max) @ 700 Band 3.1 (typical), 3.8 (max) @ 800 Band 2.8 (typical), 3.5 (max) @ 900 Band 5.9 (typical), 6.8 (max) @ 1800 Band 4.5 (typical), 5.1 (max) @ 1900 Band 4.3 (typical), 4.7 (max) @ 2100 Band 5.9 (typical), 6.3 (max) @ 2300 Band 6.9 (typical), 7.4 (max) @ 2600 Band
Nominal Impedance	50 Ω
VSWR	Max 2.0:1
Polarization	Linear H/V for each radiator
Azimuth Beam Width (deg)	Omni directional
PIM, 3rd Order, 2 x 20 W	< -150 dBc
Max Power (Ambient temp of 25°C)	50 Watts
Isolation	<-17dB @ 698-960MHz
	<-20dB @ 1710-2700MHz
Radome	PC/ABS, UV Stable
Mounting	Ceiling Mount (flush mount with screws and anchors)
Dimensions (diameter x height)	218.7 mm x 43.5 mm
Weight	0.41kg
Storage Temperature Range (°C)	-40°C to +85°C
Operational Temperature Range (°C)	-30°C to +70°C
Flammability Rating (Radome)	UL 94V0 Materials
Material Substance Compliance	RoHS Compliant

MODEL NUMBER	CABLE LENGTH*	CONNECTOR
CMD69273P-FNF	NA (Direct Connect)	Dual Type N-Female
CMD69273P-30NF	Dual 30cm (12”)	Dual Type N-Female
CMD69273P-46NF	Dual 46cm (18”)	Dual Type N-Female

*Semi flexible 402 coaxial cable, Plenum Rated

Americas: +1.847 839.6907
IAS-AmericasEastSales@lairdtech.com
Europe: +44.(0).1628.858941
IAS-EUSales@lairdtech.com
Asia: +86.21.5855.0827.127
IAS-AsiaSales@lairdtech.com
www.lairdtech.com

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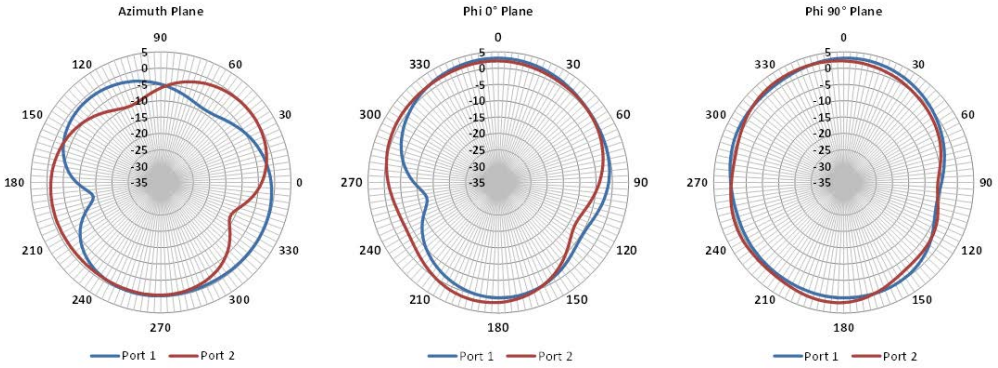
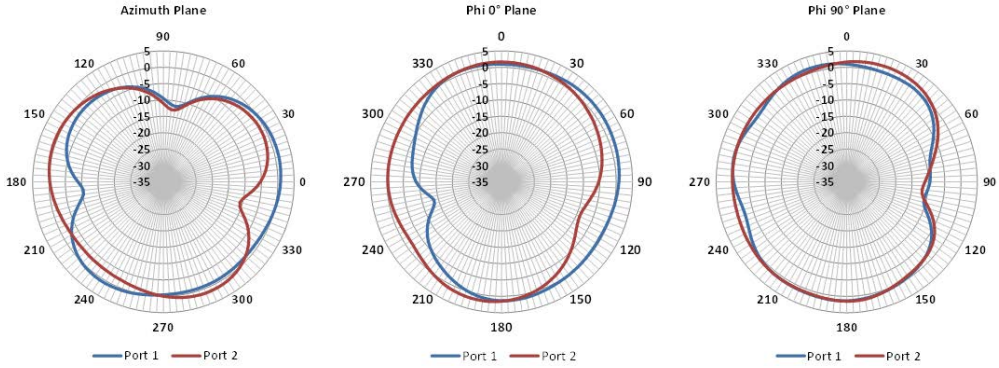
PATTERNS

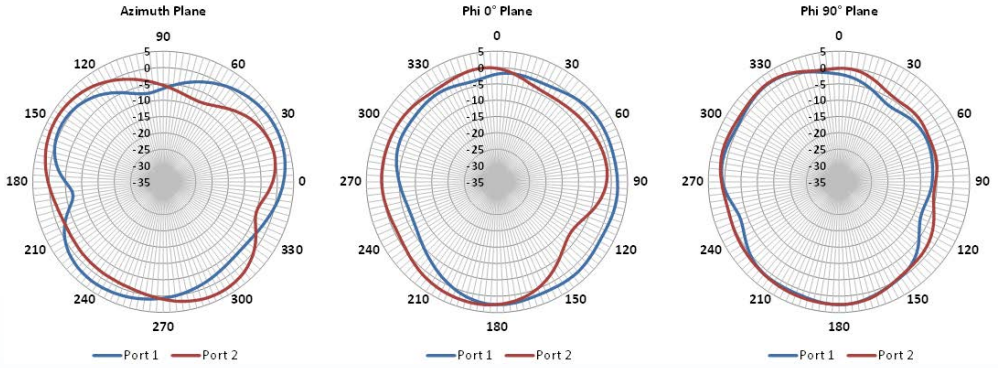
698 MHz Radiation Pattern



880 MHz Radiation Pattern



960 MHz Radiation Pattern



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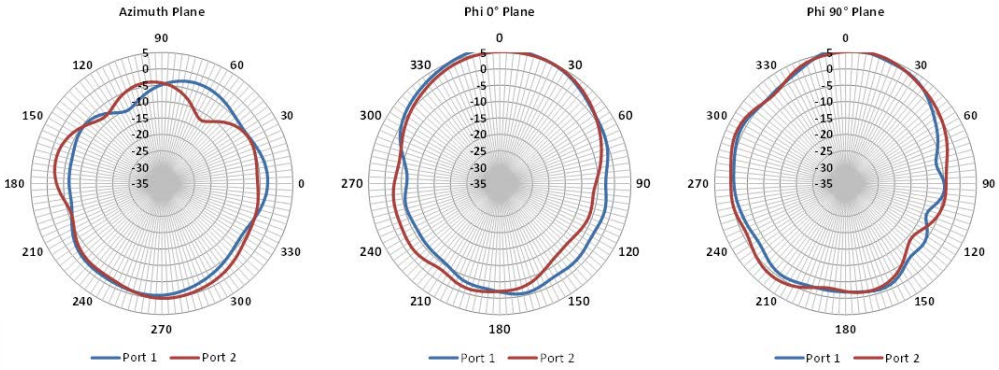
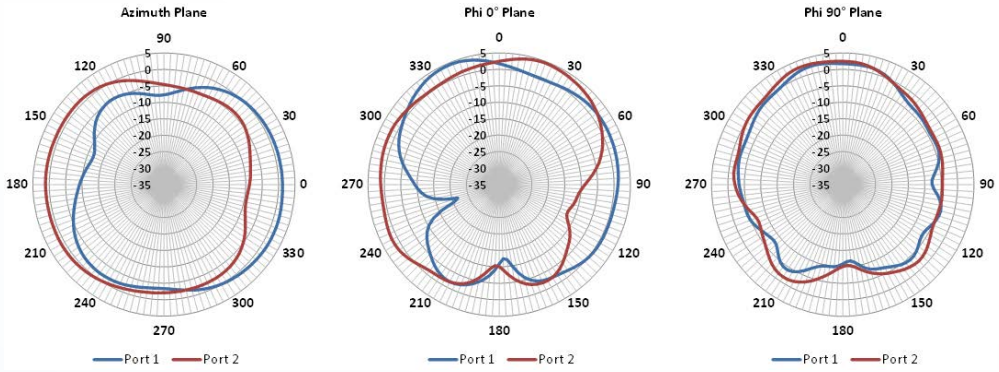
PATTERNS

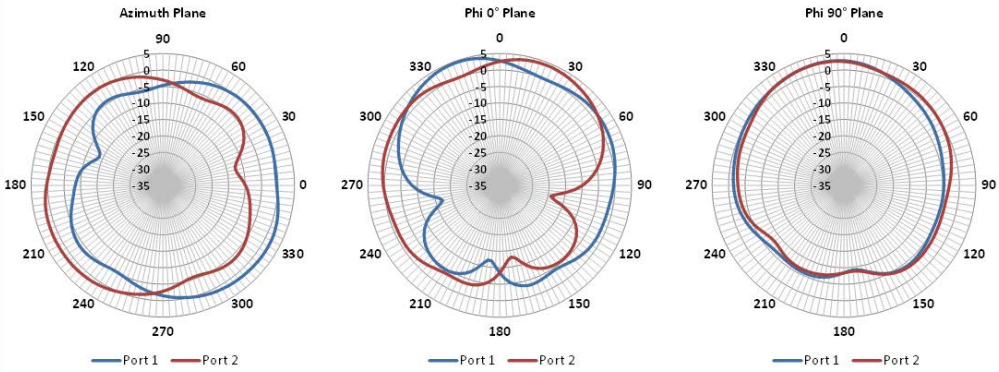
1710 MHz Radiation Pattern



1950 MHz Radiation Pattern



2170 MHz Radiation Pattern



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PATTERNS

2700 MHz Radiation Pattern