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CMD69273

698 to 960 MHz/1710 to 2700 MHz 2-port MIMO Ceiling Mount Antenna

2-PORT MIMO MULTI-BAND CEILING MOUNTED OMNIDIRECTIONAL ANTENNA

The CMD69273 is an indoor broadband 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 for the CELLULAR, UMTS, and LTE/WiMAX 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.

FEATURES RoHS

- Low Profile aesthetically neutral housing
- Mounts directly and easily to ceiling tile
- Wide bandwidth 700/850/900/1800/1900/ UMTS/2300/2400/2500
- Two radiating elements optimized for indoor MIMO Applications
- Low cross correlation between radiating elements
- Conformance to RoHS

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

BENEFITS

- Complete cellular and 3G/4G data communications in a single antenna
- Radiating elements are oriented to provide maximal coverage
- To mitigate the multipath polarization propagation issue, each radiating element is designed to have dual-linear H/V polarization characteristics

	CMD69273
Frequency	698-960 MHz / 1710-2700 MHz
Peak Gain	3.35 dBi @ 700 MHz Band, 4.4 dBi @ 800 / 900 MHz Band 5.0 dBi @ 1800/1900/UMTS MHz Band, 5.6 dBi @ 2400/ 2500 MHz
Isolation	<-20 dB @ 700/800 MHz Band <-17 dB @ 900 MHz Band <-20 dB @ 1800/1900/2100 MHz Band <-20 dB @ 2400/2500 MHz Band
VSWR	2.0:1 maximum across all bands
Nominal Impedance	50 ohms
Polarization	Linear H/V for each radiator
Max Input Power	50 watts
RF Connector	Dual Type N Male (Plug)
Cable	Dual 305 mm, Plenum rated
Enclosure	UV Stable ASA
Antenna Weight	0.41 kg
Mounting	Ceiling Mount (flush mount with screws and anchors)
Operational Temperature	-30°C to +70°C
Storage Temperature	-40°C to +85°C
Material Substance Compliance	RoHS Compliant
Flammability Rating (Radome)	UL 94HB Materials
Dimensions	Diameter 218.7 mm x Height 43.5 mm
Standard for Safety: Information Technology Equipment	UL/CSA/EN/IEC/CB-Scheme 60950-1 Listed

CABLES AND CONNECTORS

PART NUMBER	CABLE LENGTH	CONNECTOR
CMD69273-30NF	DUAL 30 cm (12”)	Dual Type N-Female
CMD69273-30NM	DUAL 30 cm (12”)	Dual Type N-Male

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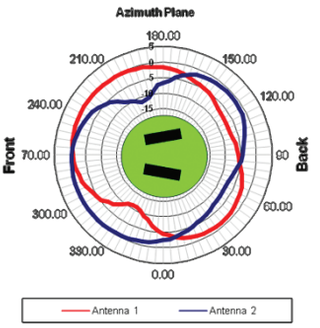
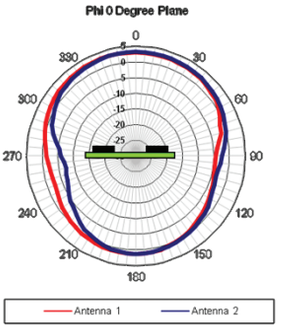
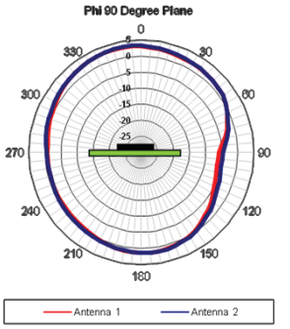
PATTERNS

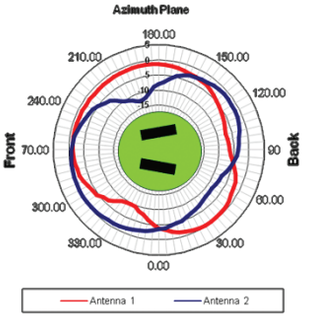
750 MHz Radiation Pattern

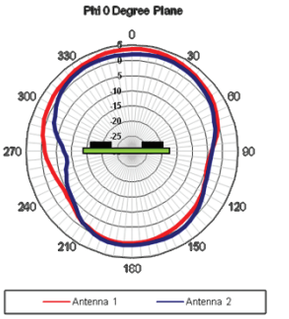


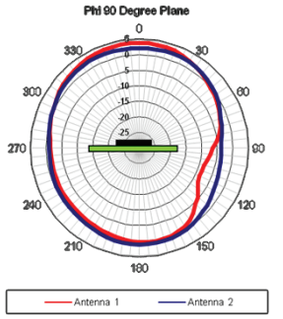




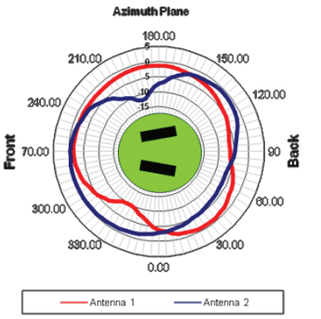
869 MHz Radiation Pattern

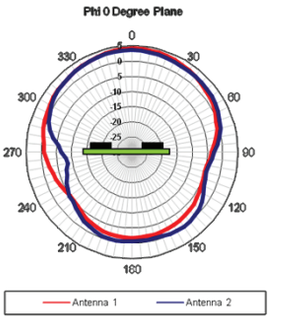


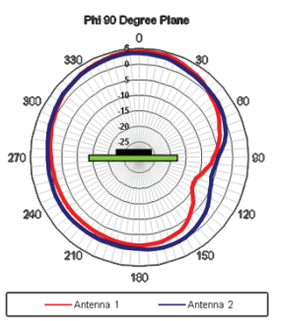




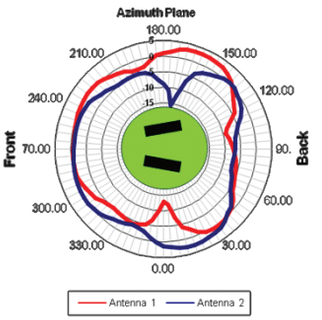
915 MHz Radiation Pattern

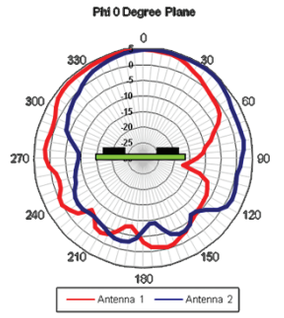


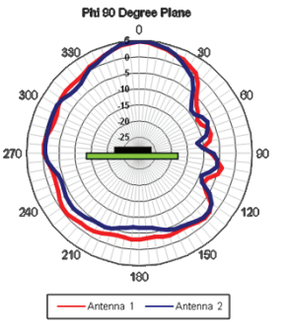




1780 MHz Radiation Pattern







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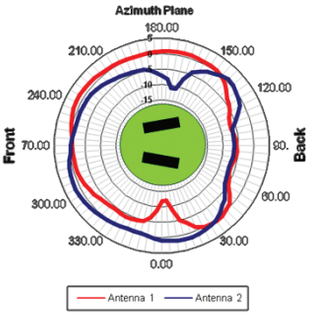
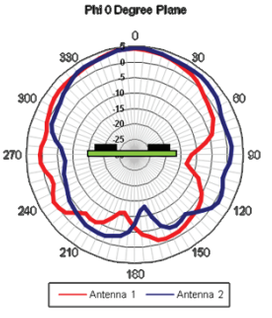
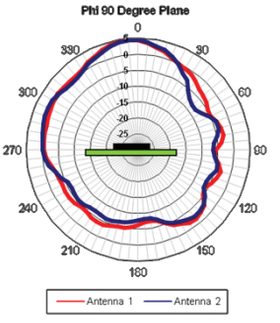
PATTERNS

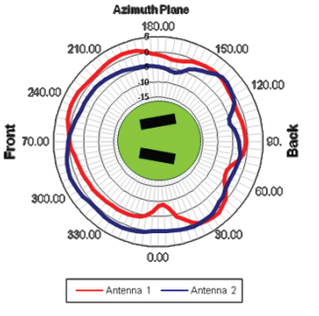
1910 MHz Radiation Pattern

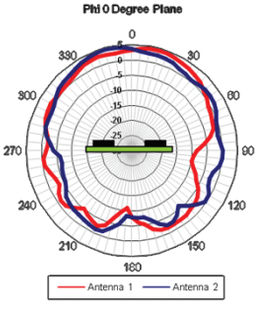


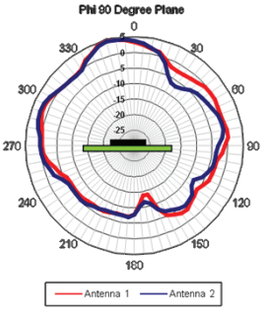




2110 MHz Radiation Pattern







2600 MHz Radiation Pattern