

698 to 960 MHz/1710 to 2700 MHz Low PIM Ceiling Mount Omnidirectional Antenna

LOW PIM MULTI-BAND CEILING MOUNTED OMNIDIRECTIONAL ANTENNA

The CMS69273P is an indoor broadband low PIM 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 antenna features a pattern that has been specifically shaped to provide optimal performance from a ceiling mount location.



FEATURES

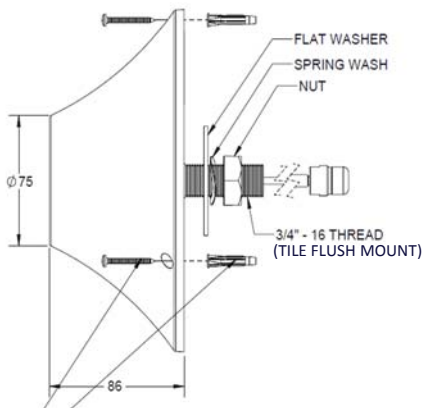
- Low Profile aesthetically neutral housing
- Mounts directly and easily to ceiling tile
- Performance optimized using Laird proprietary RF optimization tools
- Excellent flame retardancy rating
- RoHS compliant

MARKETS

- Offices and meeting rooms
- Hotels and casinos
- Bus terminals and train stations
- Retail stores and indoor pedestrian malls
- Libraries and museums

BENEFITS

- Low PIM performance minimizes interference and improves inbuilding wireless network coverage and capacity.
- Attractive, compact design and form factor ideal for indoor solution applications.



#6 x 1-1/4\"/>

PARAMETER	SPECIFICATION									
Frequency Bands, MHz	698-806	824-894	880-960	1570-1580	1710-1880	1850-1990	1910-2170	2300-2500	2500-2700	
Peak Gain, dBi (Typ)	2.2	1.8	1.4	2.1	2.2	2.6	2.9	3.6	3.5	
Peak Gain, dBi (Max)	2.6	2.0	1.7	2.1	2.5	2.9	3.6	3.8	3.5	
VSWR (Typ)	<2.0:1	<1.7:1	<1.8:1	<1.8:1	<1.8:1	<1.7:1	<1.7:1	<1.6:1	<2.0:1	
Maximum VSWR	2.0:1									
PIM, 3rd Order, 2 x 20W (Typ)	<-152 dBc / <-153 dBc			<-160 dBc / <-161 dBc						
PIM, 3rd Order, 2 x 20W (Max)	<-150 dBc									
Nominal Impedance	-50 Ω									
Max Power (Ambient temp of 25°C)	50 Watts									
Polarization	Linear, Vertical									
Azimuth Beam Width	Omnidirectional									
Radome	PC / ABS, UV stable									
Mounting	Ceiling mount									
Dimensions (diameter x height)	199 mm x 86 mm									
Weight	0.34 kg									
Storage Temperature (°C)	-40° C to +85° C									
Operational Temperature (°C)	-30° C to +70° C									
Flammability Rating (Radome)	UL 94V0 Materials									
Material Substance Compliance	RoHS Compliant									
Connector	Type N-Female									

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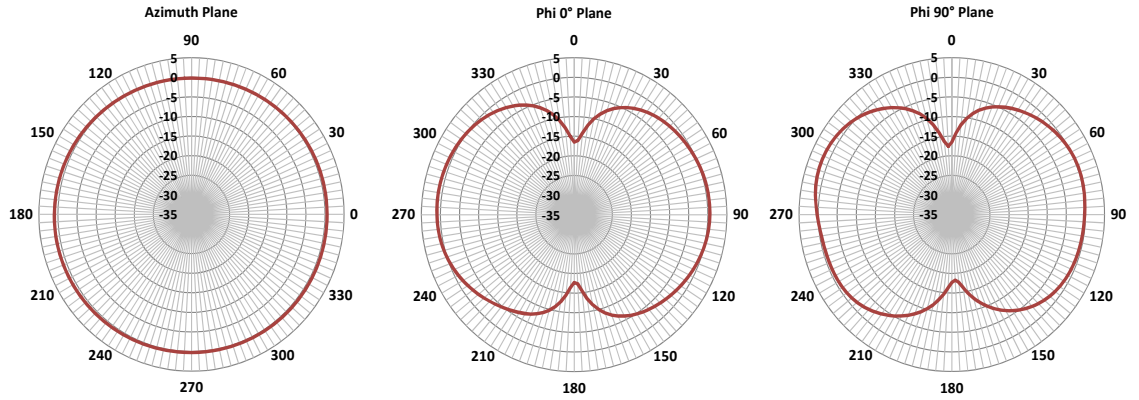
CMS69273P

698 to 960 MHz/1710 to 2700 MHz

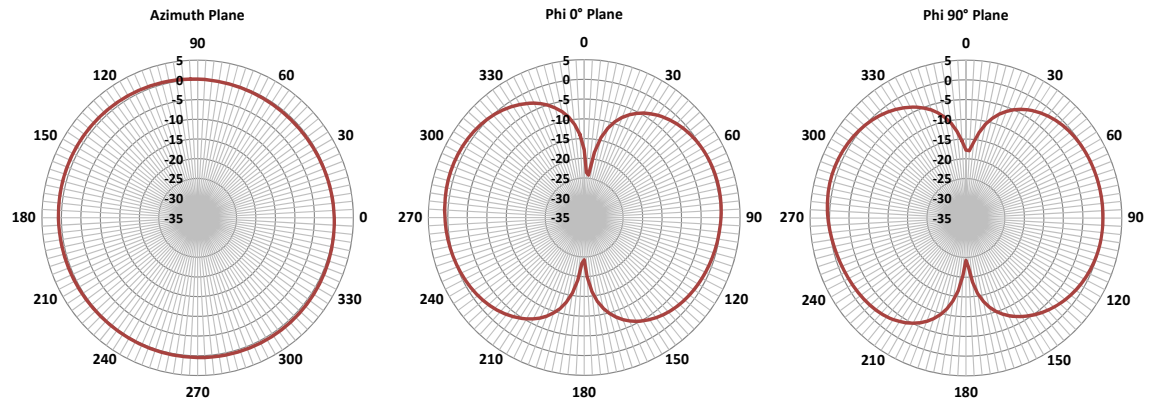
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PATTERNS

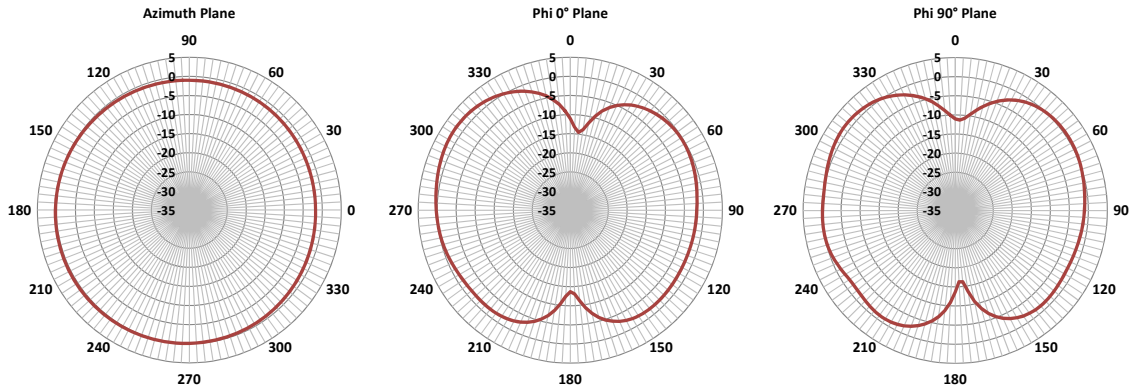
Radiation Pattern at 698 MHz



Radiation Pattern at 960 MHz



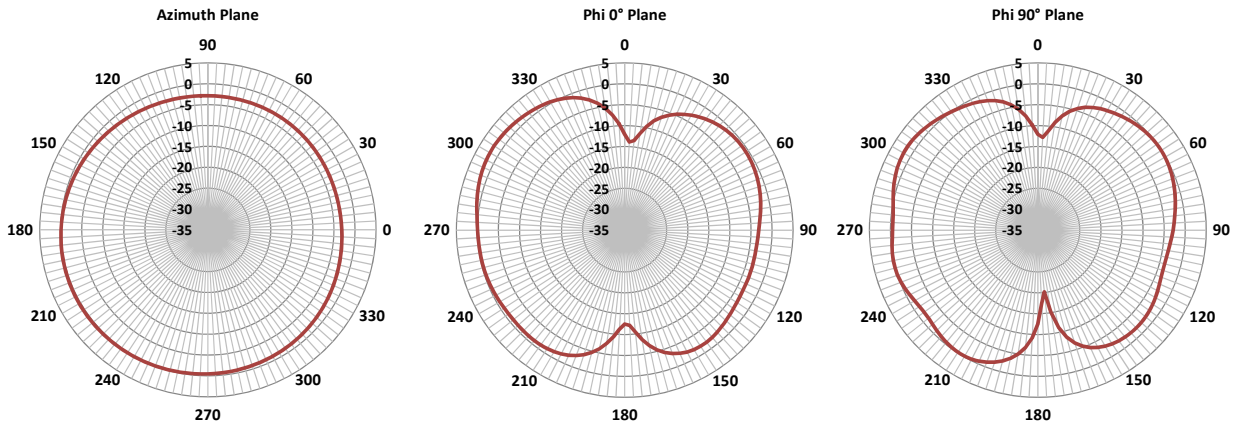
Radiation Pattern at 1575 MHz



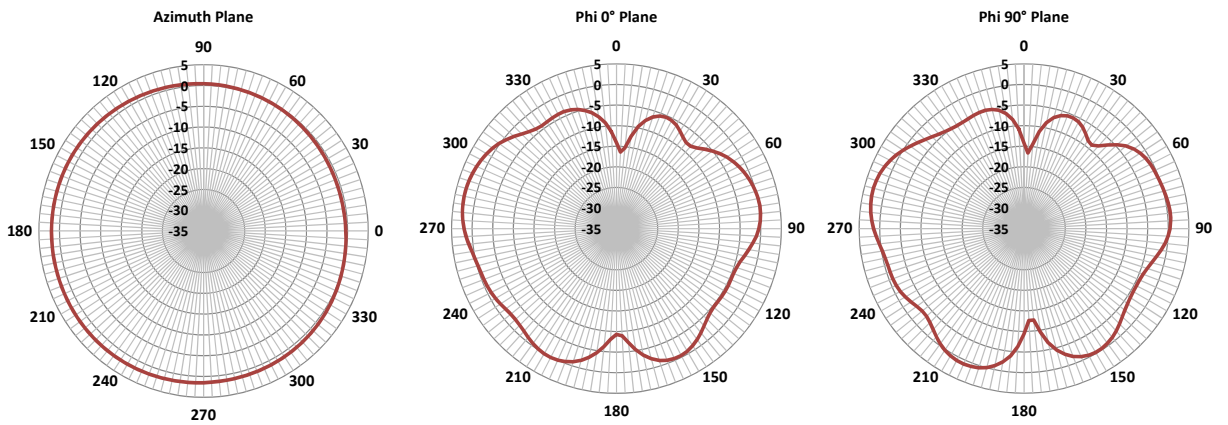
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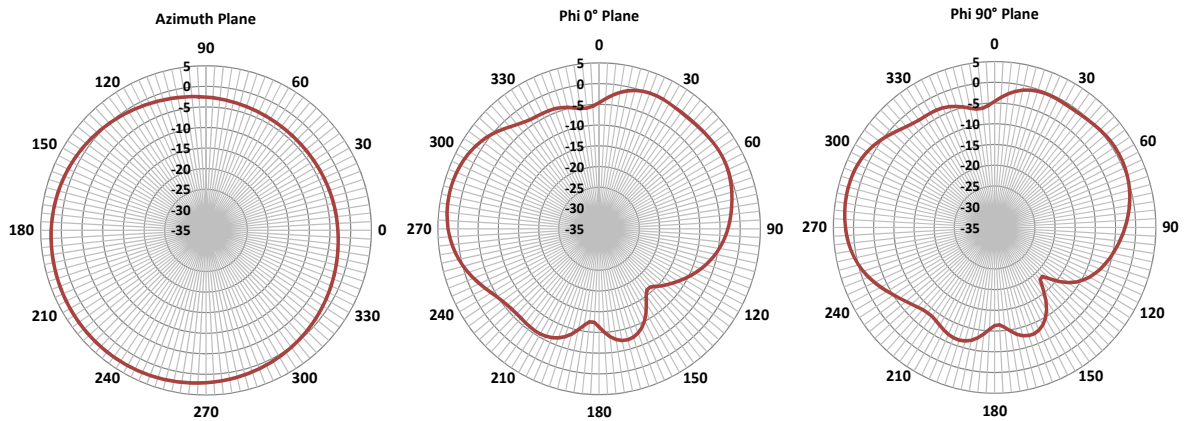
Radiation Pattern at 1710 MHz



Radiation Pattern at 2110 MHz



Radiation Pattern at 2700 MHz



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