

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

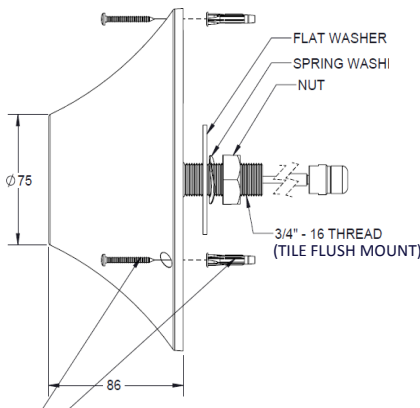
- Low Profile aesthetically neutral housing
- Mounts directly and easily to ceiling tile
- Performance optimized using Laird proprietary RF optimization tools
- Excellent flame retardancy rating
- RoHS compliant

MARKETS

- DAS
- In-Building wireless
- Neutral host providers
- Cellular & LTE
- Small cells

BENEFITS

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



#6 x 1-1/4" MOUNTING SCREWS AND ANCHORS (DRYWALL FLUSH MOUNT)

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				<-160 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 / Cable Options	Model CMS69273P-30NF 30 cm (12") Type N-Female								
	Model CMS69273P-30D41F 30 cm (12") 4.1-9.5 Mini DIN Female								

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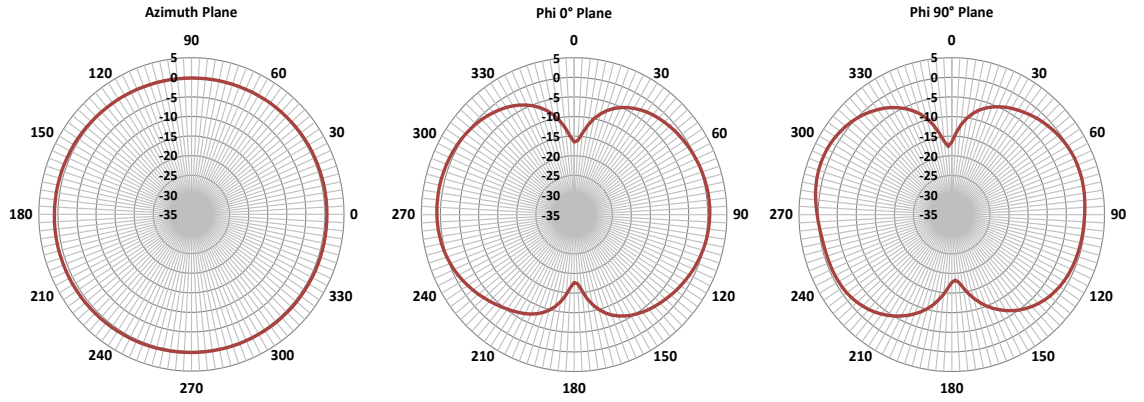
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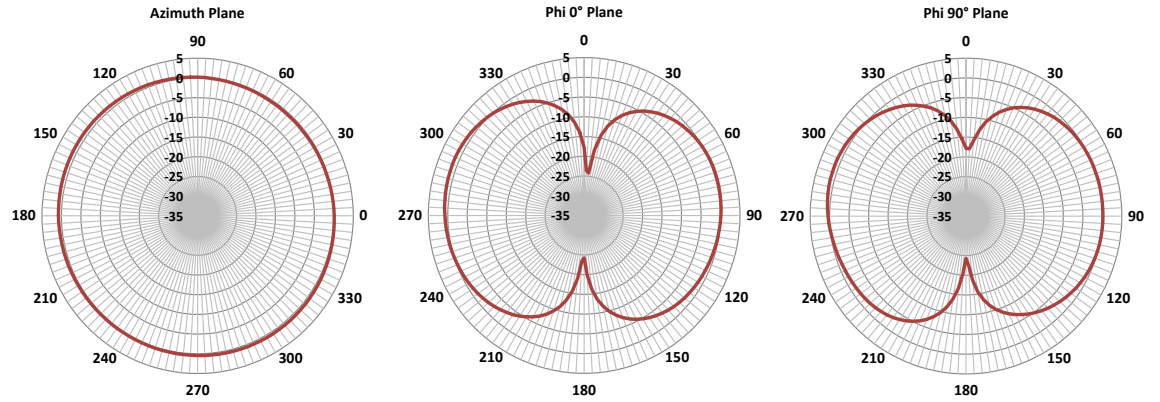
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PATTERNS

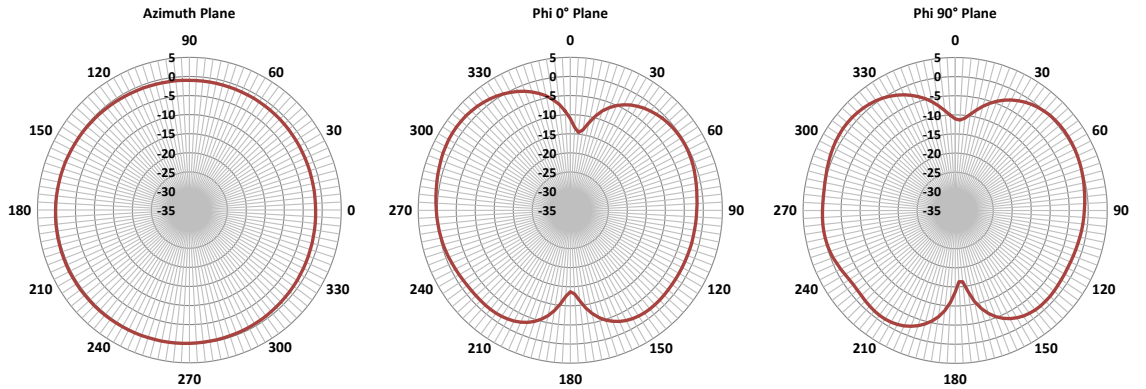
Radiation Pattern at 698 MHz



Radiation Pattern at 960 MHz



Radiation Pattern at 1575 MHz



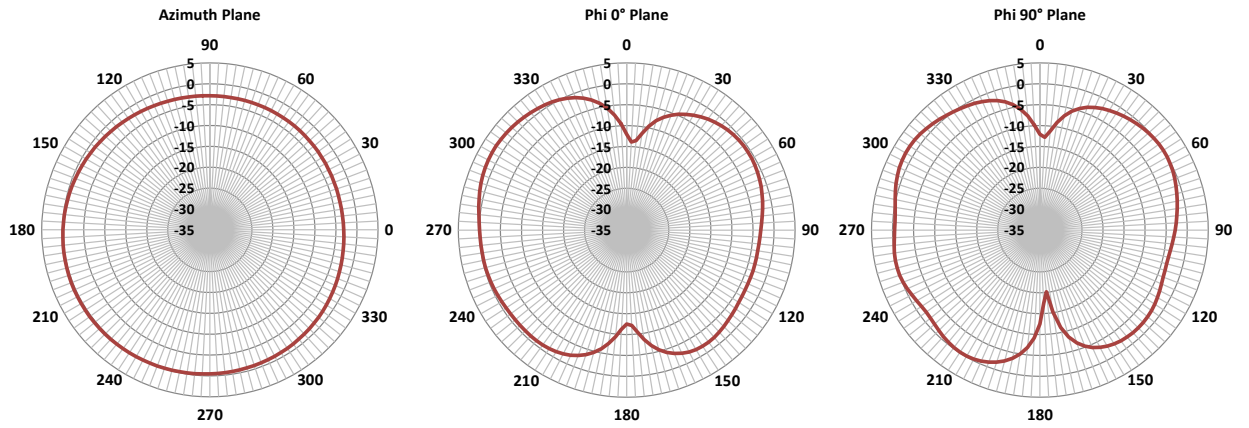
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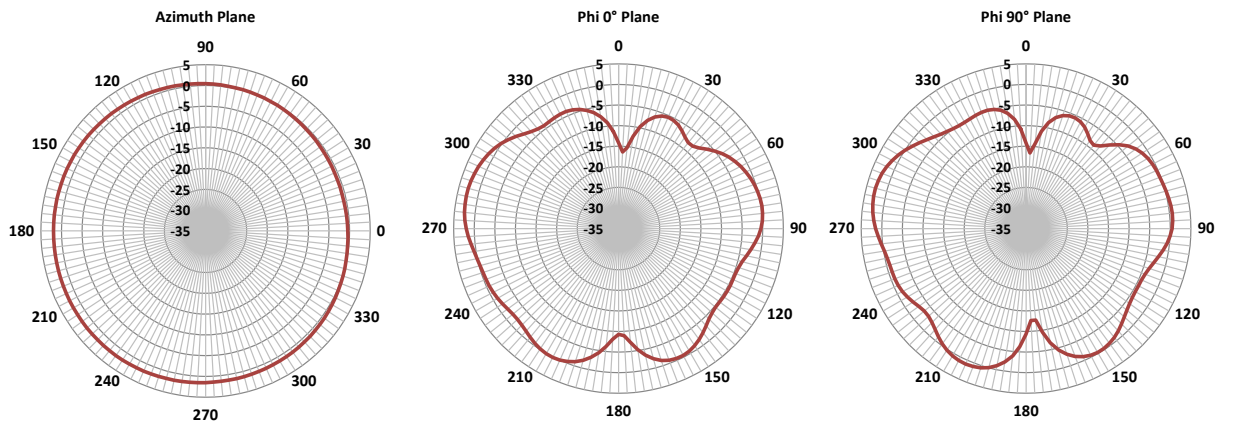
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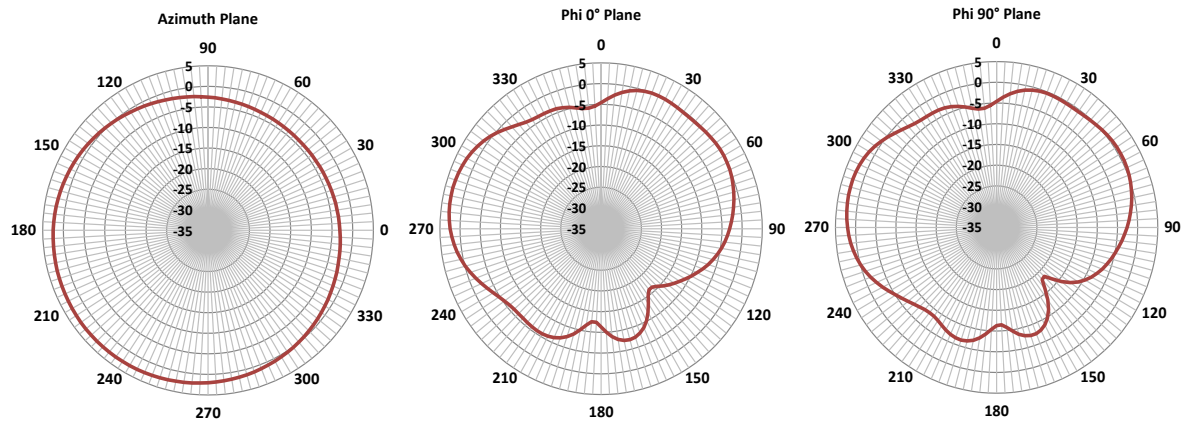
Radiation Pattern at 1710 MHz



Radiation Pattern at 2110 MHz



Radiation Pattern at 2700 MHz



IAS-ANT-DS-CMS69273P_073114

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