

# CMSA69273R

## 698-960 MHz/1690-2700 MHz Ceiling Mount Antenna



CMSA69273R



### MULTI-BAND CEILING MOUNTED OMNIDIRECTIONAL ANTENNA

The CMSA69273R is an indoor wideband omnidirectional ceiling mount antenna. It is designed to provide pattern coverage that is optimized for indoor coverage requirements at 698-960 MHz, and 1690-2700 MHz for the GSM, DCS, UMTS, AWS-3, and LTE/WiMAX frequency bands. The antenna features a pattern that has been specifically shaped to provide optimal performance from a ceiling mount location. The pattern is also very uniform and symmetrical, providing system integrators with the ability to precisely determine cell size.

### FEATURES

- Low profile aesthetically neutral housing.
- Mounts directly and easily to ceiling tile.
- Performance optimized using Laird proprietary RF optimization tools.
- Excellent flame rating.
- Low PIM performance minimizes interference.

### MARKETS

- Meeting rooms
- Offices
- Hotels
- Bus terminals
- Train stations
- Museums
- Libraries
- Retail malls
- Other in-building areas

PARAMETER	SPECIFICATIONS							
Model	CMSA69273R							
Frequency	698-806	824-894	880-960	1690-1880	1850-1990	1910-2170	2300-2500	2500-2700
Peak Gain, dBi (Typ)	2.1	2.1	2.2	1.9	3.0	3.2	4.3	4.2
Peak Gain, dBi (Max)	2.4	2.4	2.5	2.4	3.5	3.5	4.5	4.4
VSWR, Typ	<1.8:1	<1.8:1	<1.8:1	<1.8:1	<1.7:1	<1.5:1	<1.6:1	<1.8:1
VSWR, Max	<2.0:1	<2.0:1	<2.0:1	<2.0:1	<2.0:1	<2.0:1	<2.0:1	<2.0:1
PIM, 3rd Order, 2 x 20W (Max)	< -140 dBc							
Nominal Impedance	50Ω							
Polarization	Vertical							
Azimuth 3 dB Beamwidth	360°, Omnidirectional							
Max Power (Ambient 25°C)	50 Watts							
Mounting	Ceiling Mount (Threaded stud)							
Antenna Dimension (H x Dia)	86.0 x 198.8 mm (3.38" x 7.83")							
Weight	0.3 kg (0.7 lbs)							
Antenna Color	White							
Radome	ABS, UL94 HB Rating							
Operating Temperature	-30°C to +70°C							
Storage Temperature	-40°C to +85°C							
Material substance compliance	RoHS							

### CONFIGURATION

PART NUMBER	CABLE LENGTH	CONNECTOR
CMSA69273R-B30NF	30 cm (12")	Type N-female

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Middle East and Africa: +44.1628.858941  
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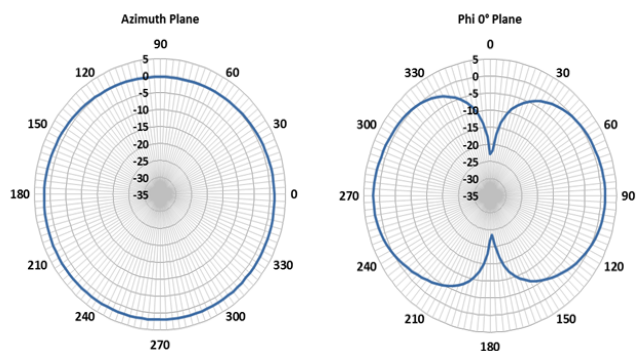
[www.lairdtech.com](http://www.lairdtech.com)

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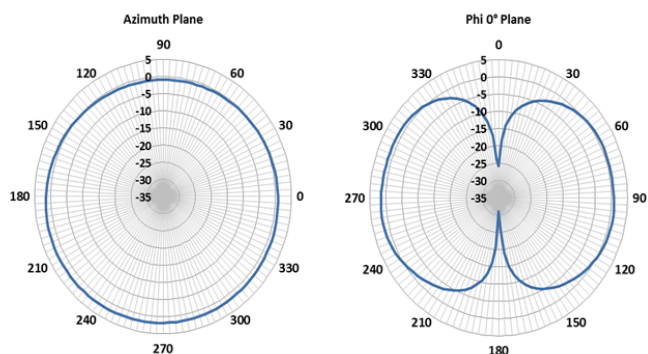


**RADIATION PATTERNS**

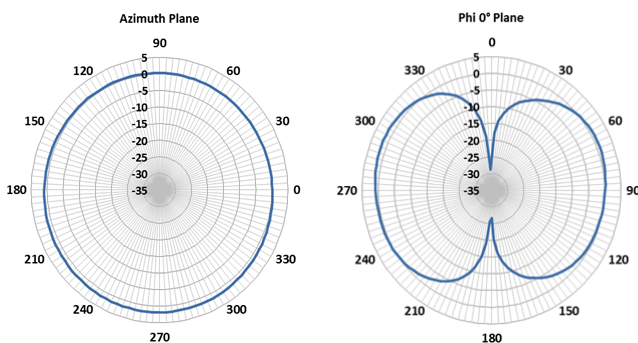
**698 MHz**



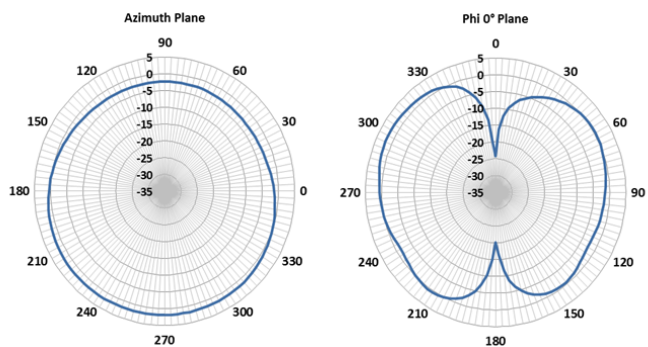
**824 MHz**



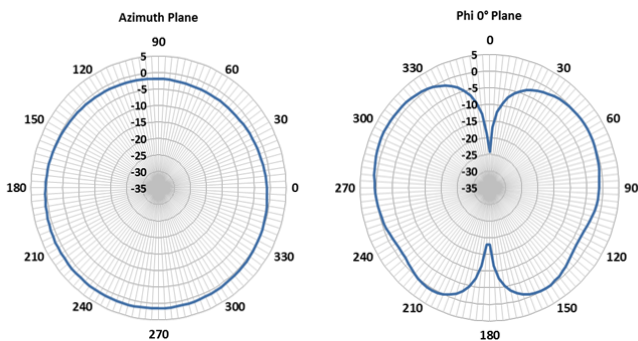
**960 MHz**



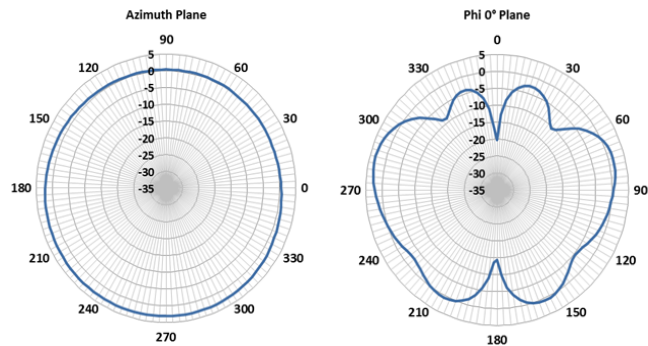
**1690 MHz**



**1880 MHz**

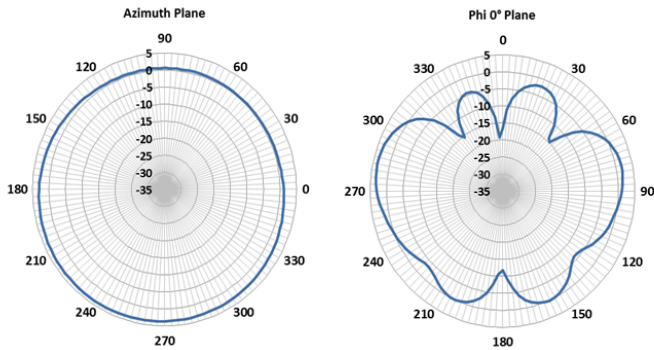


**2170 MHz**

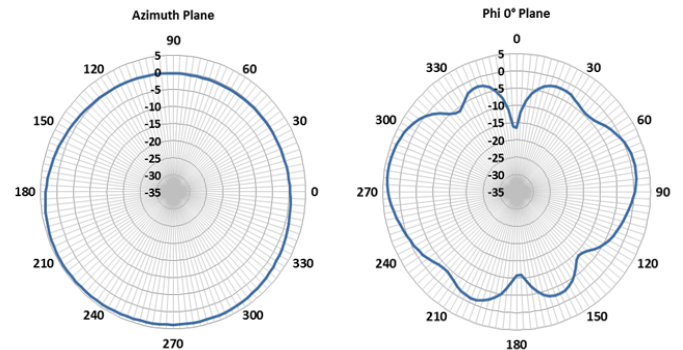


## RADIATION PATTERNS

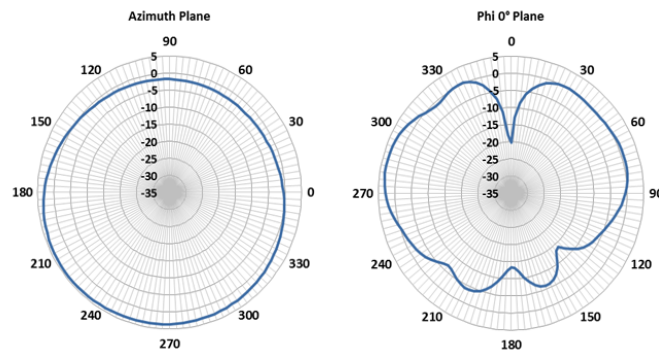
**2305 MHz**



**2457 MHz**



**2700 MHz**



### ANT-DS-CMSA69273R 0716

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