

CMSA69273P

698-960 MHz/1690-2700 MHz

Ceiling Mount Antenna



CMSA69273P



MULTI-BAND CEILING MOUNTED OMNIDIRECTIONAL ANTENNA

The CMSA69273P 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	CMSA69273P							
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 (Typ)	< -157 dBc				< -155 dBc			
PIM, 3rd Order, 2 x 20W (Max)	< -150 dBc				< -150 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
CMSA69273P-B30NF	30 cm (12")	Type N-female

Americas: +1.847.839.6925
IAS-AmericasSales@lairdtech.com

Europe: +44.1628.858941
IAS-EUSales@lairdtech.com

Asia: IAS-AsiaSales@lairdtech.com

Middle East and Africa: +44.1628.858941
IAS-MEASales@lairdtech.com

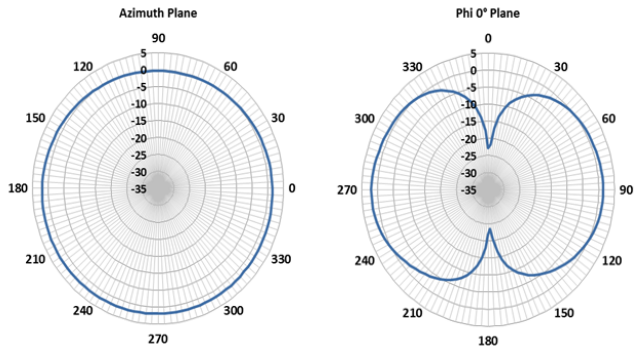
www.lairdtech.com

Laird warrants to the original end user customer of its products that its products are free from defects in material and workmanship. Subject to conditions and limitations Laird will, at its option, either repair or replace any part of its products that prove defective by reason of improper workmanship or materials. This limited warranty is in force for the useful lifetime of the original end product into which the Laird product is installed. Useful lifetime of the original end product may vary but is not to exceed five (5) years from the original date of the end product purchase.

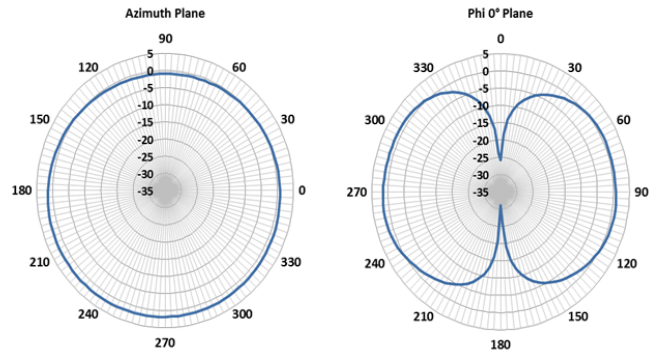


RADIATION PATTERNS

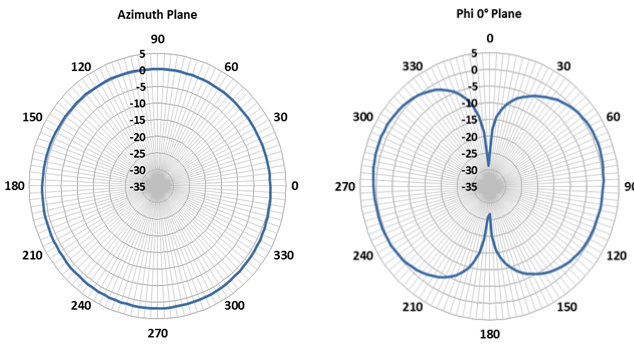
698 MHz



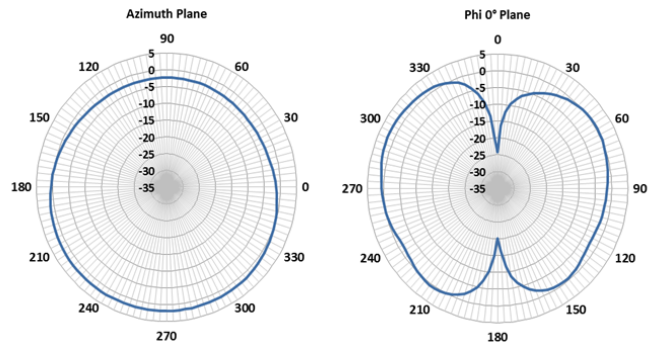
824 MHz



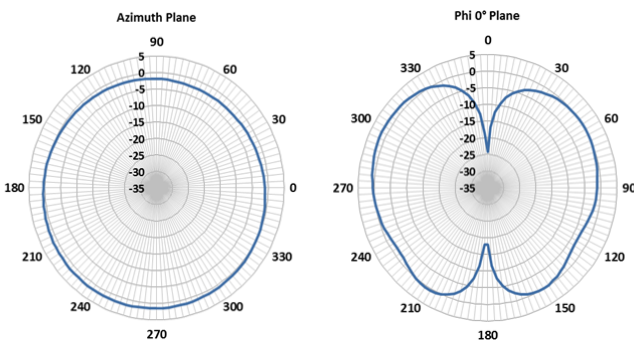
960 MHz



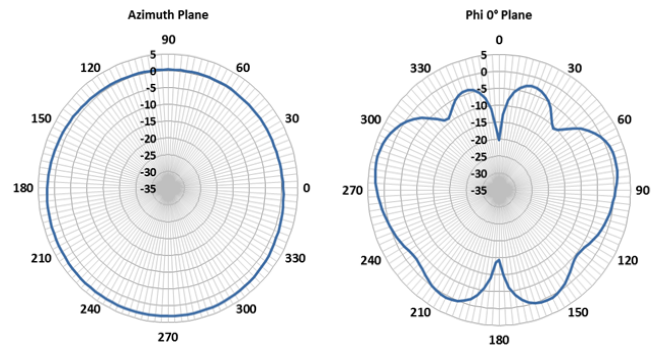
1690 MHz



1880 MHz

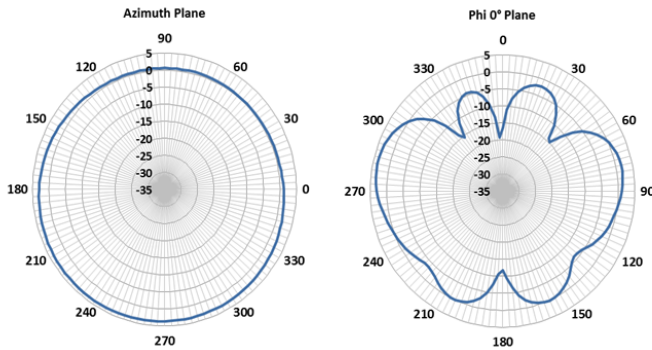


2170 MHz

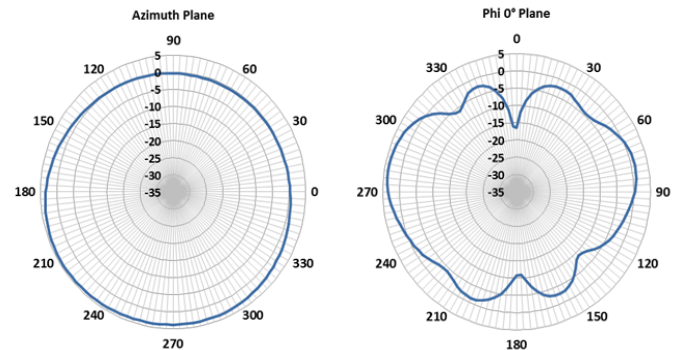


RADIATION PATTERNS

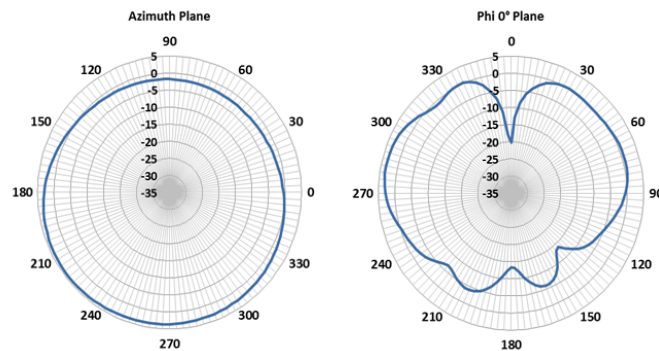
2305 MHz



2457 MHz



2700 MHz



ANT-DS-CMSA69273P 0716

Any information furnished by Laird Technologies, Inc. and its agents is believed to be accurate and reliable. All specifications are subject to change without notice. Responsibility for the use and application of Laird Technologies materials rests with the end user. Laird Technologies makes no warranties as to the fitness, merchantability, suitability or non-infringement of any Laird Technologies materials or products for any specific or general uses. Laird Technologies shall not be liable for incidental or consequential damages of any kind. All Laird Technologies products are sold pursuant to the Laird Technologies' Terms and Conditions of sale in effect from time to time, a copy of which will be furnished upon request. © Copyright 2016 Laird Technologies, Inc. All Rights Reserved. Laird, Laird Technologies, the Laird Technologies Logo, and other marks are trade marks or registered trade marks of Laird Technologies, Inc. or an affiliate company thereof. Other product or service names may be the property of third parties. Nothing herein provides a license under any Laird Technologies or any third party intellectual property rights.