



Smart Technology. Delivered.

CFS69383P

698-960 MHz/1350-1550 MHz/1690-3800 MHz Low Profile / Low PIM Ceiling Mount Antenna



Patent Pending CFS69383P

MULTI-BAND LOW PIM CEILING MOUNTED OMNIDIRECTIONAL ANTENNA

The CFS69383P is a Low PIM indoor wideband omnidirectional low profile ceiling mount antenna. It is designed to provide pattern coverage that is optimized for indoor coverage requirements at 698-960 MHz, and 1690-3800 MHz for the GSM, DCS, UMTS, AWS-3 and LTE/WiMAX frequency bands. The CFS69383P is applicable for environments where aesthetics and wide angle coverage are necessary for successful wireless deployment. The surprisingly small size and extreme low profile enables maximum mounting flexibility while maintaining desired in-building aesthetics.

FEATURES

- Low profile aesthetically neutral housing
- Mounts directly and easily to ceiling tile
- Performance optimized using Laird proprietary RF optimization tools
- Supports AWS-3 Frequency Band

APPLICATIONS

- Small Cells
- Meeting Rooms
- Offices
- Hotels
- Museums
- iDAS
- Libraries
- Retail Malls
- Bus Terminals & Train Stations
- Other In-Building Areas

PARAMETER	SPECIFICATIONS									
Model	CFS69383P									
Frequency Bands, MHz	698-806	824-894	880-960	1350-1550	1690-1880	1850-1990	1910-2180	2300-2500	2500-2700	3300-3800
Peak Gain, dBi (Typ)	3.5	3.9	4.8	4.8	4.4	4.5	4.4	4.9	5.4	4.8
Peak Gain, dBi (Max)	4.0	4.0	5.5	5.3	4.7	4.9	4.9	5.2	5.6	5.3
VSWR, Typ	<1.7:1	<1.7:1	<1.8:1	<1.4:1	<1.6:1	<1.6:1	<1.6:1	<1.7:1	<1.5:1	<1.8:1
VSWR, Max	<1.8:1	<1.8:1	<1.8:1	<1.8:1	<1.8:1	<1.8:1	<1.8:1	<1.8:1	<1.8:1	<2.0:1
PIM, 3rd Order, 2x20 W (Typ)	<-156 dBc			<-156 dBc						
PIM, 3rd Order, 2x20 W (Max)	<-150 dBc			<-150 dBc						
Nominal Impedance	50Ω									
Polarization	Linear									
Azimuth 3 dB Beamwidth	360°									
Max Power (Ambient 25°C)	50 Watts									
Antenna Dimension (H x Dia)	180.3 x 117.2 x 7.6 mm (7.1" x 4.6" x 0.3")									
Weight (w/o mounting kit)	194 g / 0.43 lbs (178 g / 0.39 lbs)									
Antenna Color	White									
Radome	PC + ABS, UL94-V0 Material									
Operating Temperature	-30°C to +70°C									
Storage Temperature	-40°C to +85°C									
Material Substance Compliance	RoHS									

CONFIGURATION

PART NUMBER	CABLE LENGTH	CONNECTOR
CFS69383P-30NF	30 cm (12")	Type N- female
CFS69383P-30D43F	30 cm (12")	4.3-10 female

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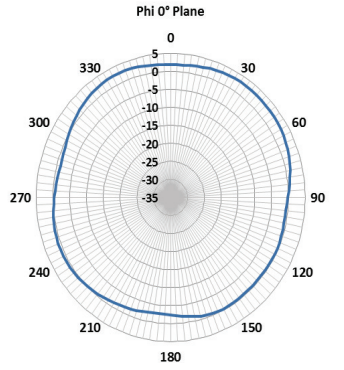
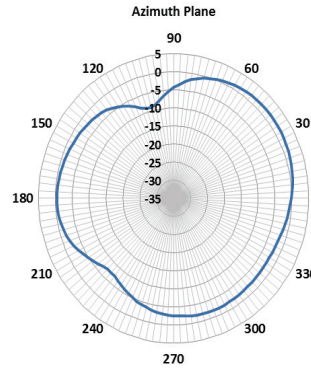
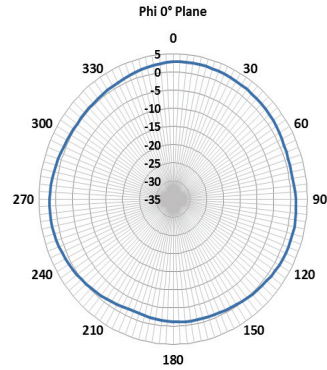
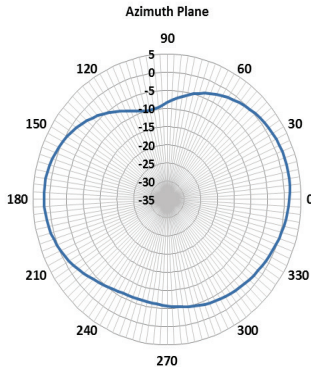
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IAS-MEASales@lairdtech.com

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RADIATION PATTERNS

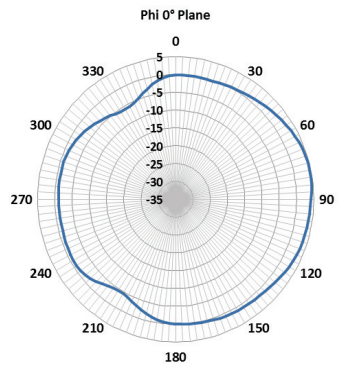
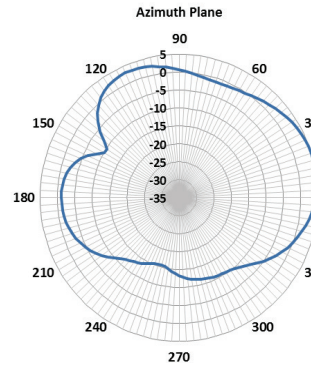
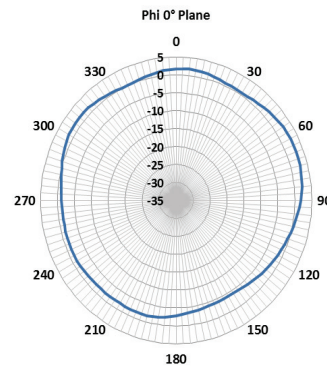
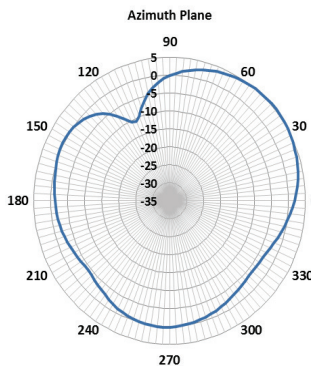
698 MHz

850 MHz



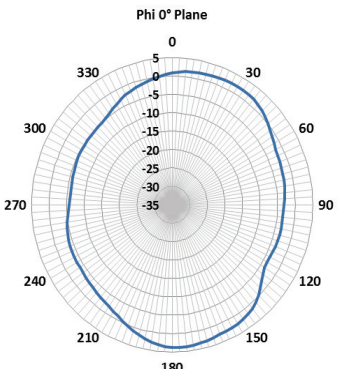
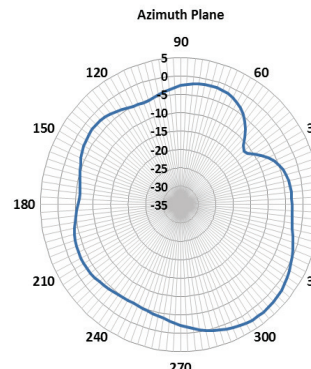
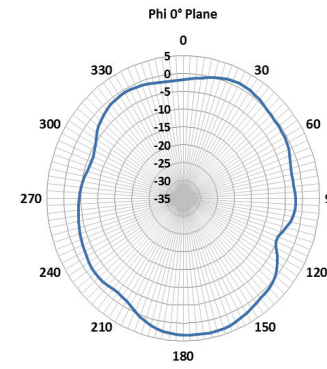
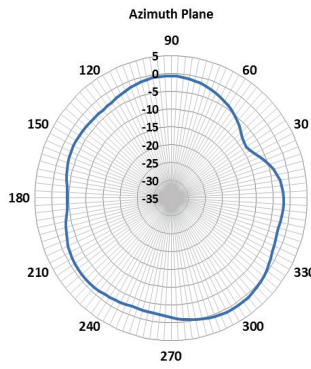
960 MHz

1350 MHz



1690 MHz

1850 MHz





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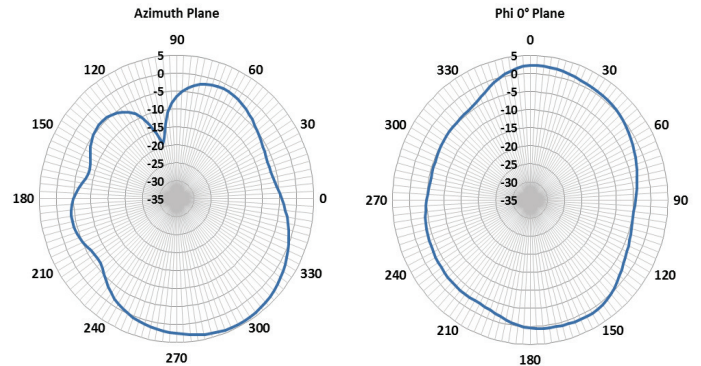
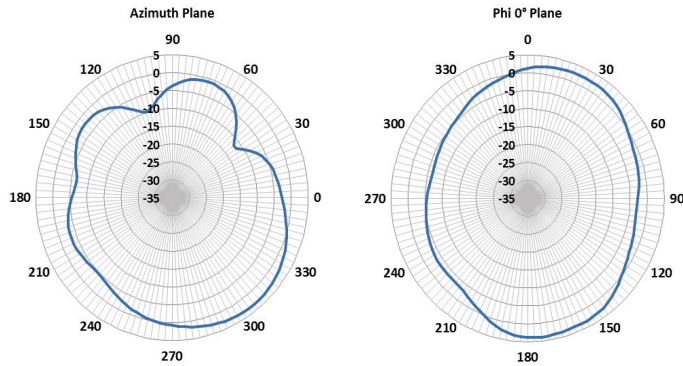
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RADIATION PATTERNS

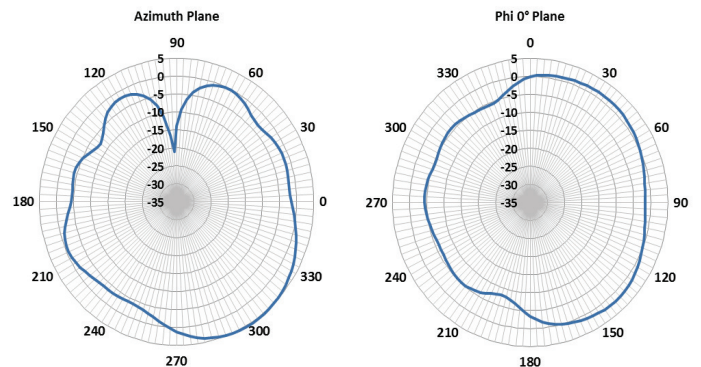
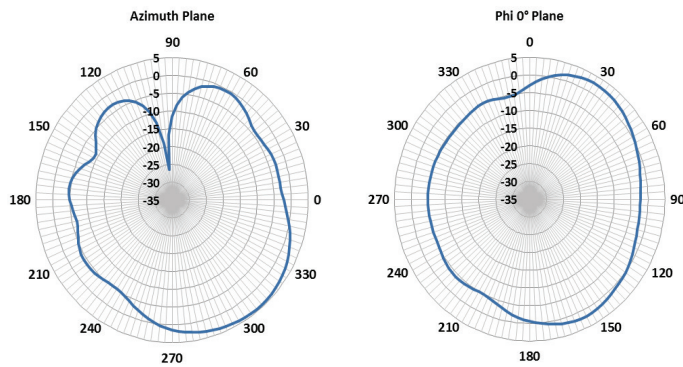
1990 MHz

2170 MHz



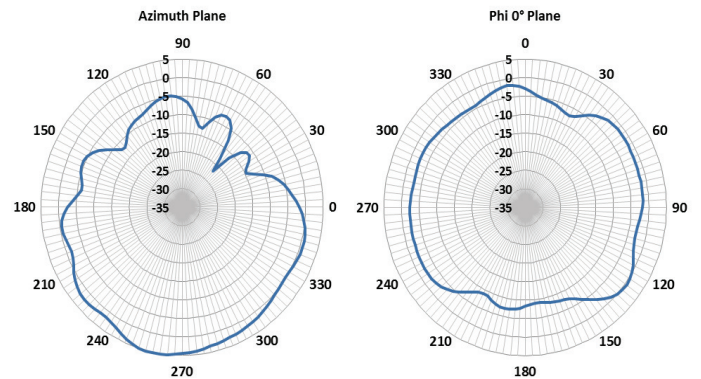
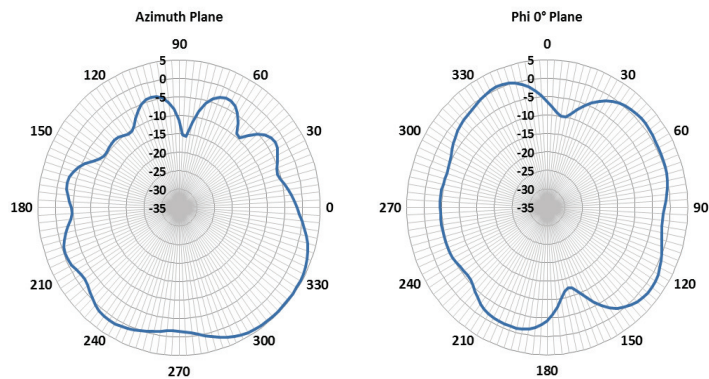
2500 MHz

2700 MHz



3300 MHz

3800 MHz



ANT-DS-CFS69383P 0716

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