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CFS60383P

600- 960 MHz/1350- 1550 MHz/1690- 2700 MHz/3300- 3800 MHz
Low Profile / Low PIM Ceiling Mount Antenna

Patent Pending CFS60383P

MULTI-BAND LOW PIM CEILING MOUNTED OMNIDIRECTIONAL ANTENNA

The CFS60383P 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 600-960 MHz, and 1690-3800 MHz for the GSM, DCS, UMTS, AWS-3, WCS and LTE/WiMAX frequency bands. The CFS60383P 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 mainaining 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, WCS Frequency Bands

APPLICATIONS

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

PARAMETER	SPECIFICATIONS										
Model	CFS60383P										
Frequency Bands, MHz	600-698	698-806	824-894	880-960	1350-1550	1690-1880	1850-1990	1910-2180	2300-2500	2500-2700	3300-3800
Peak Gain, dBi (Avg)	2.9	3.3	3.5	4.6	4.1	3.9	3.8	4.6	5.8	6.8	4.1
Peak Gain, dBi (Max)	3.5	3.6	3.6	5.4	5.2	4.4	4.1	5.3	6.3	7.1	4.4
VSWR, Typ	<1.8:1	<1.5:1	<1.6:1	<1.6:1	<1.7:1	<1.8:1	<1.4:1	<1.4:1	<1.5:1	<1.4:1	<1.7:1
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	<1.8:1	<2.0:1
PIM, 3rd Order, 2x20 W (Typ)	<-156 dBc					<-157 dBc					
PIM, 3rd Order, 2x20 W (Max)	<-150 dBc					<-150 dBc					
Nominal Impedance	50Ω										
Polarization	Horizontal										
Azimuth 3 dB Beamwidth	360°										
Max Power (Ambient 25°C)	50 Watts										
Antenna Dimension (W x L x H)	117.2 x 180.3 x 7.6 mm (4.6” x 7.1” x 0.3”)										
Weight (w/o mounting kit)	197 g/0.44 lbs (181 g/0.4 lbs)										
Antenna Color	White										
Radome	PC , UL94-V0 Material										
Operating Temperature	-30°C to +70°C										
Storage Temperature	-40°C to +85°C										
Material Stubstance Compliance	RoHS										

CONFIGURATION

PART NUMBER	CABLE LENGTH	CONNECTOR
CFS60383P-30NF	30 cm (12”)	Type N- female
CFS60383P-30D43F	30 cm (12”)	4.3-10 female

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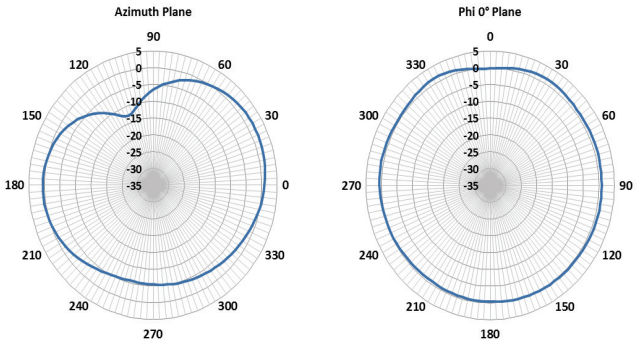
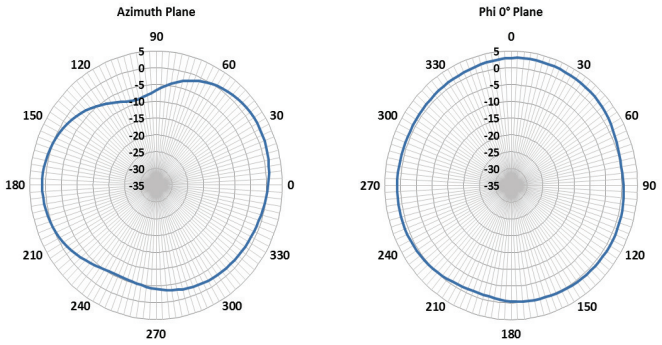
RADIATION PATTERNS

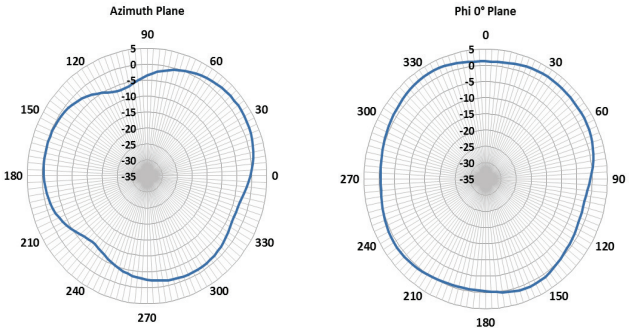
600 MHz



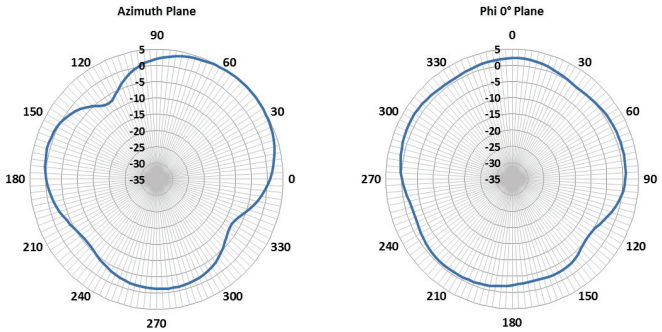
698 MHz



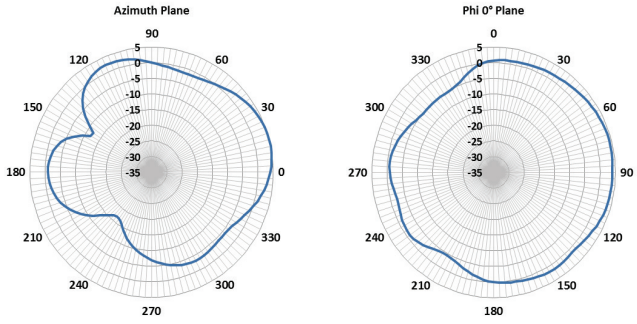
850 MHz



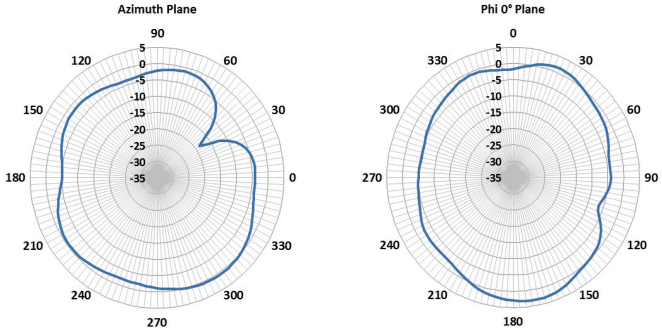
960 MHz



1350 MHz



1690 MHz



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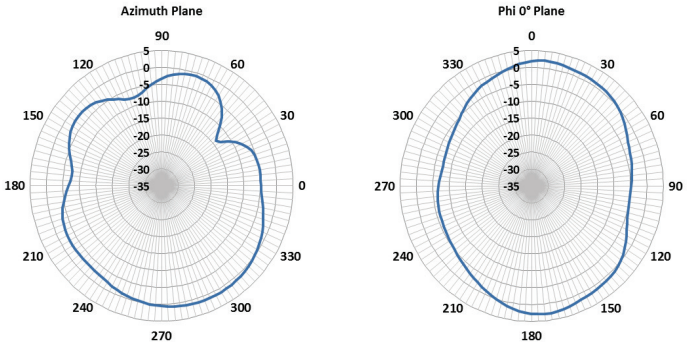
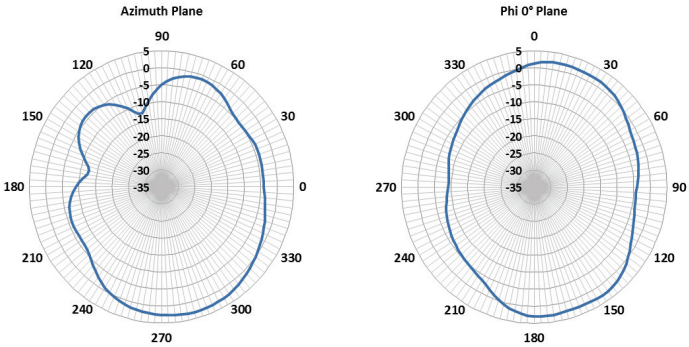
RADIATION PATTERNS

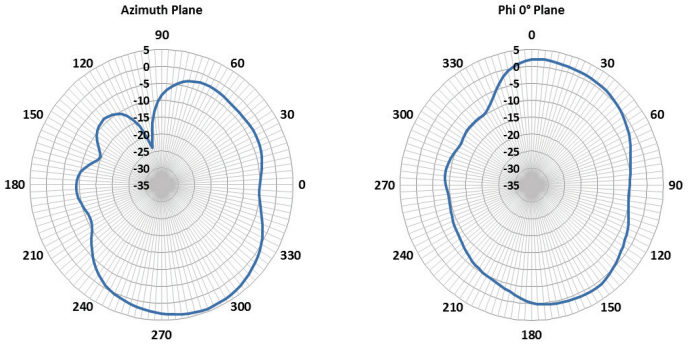
1850 MHz



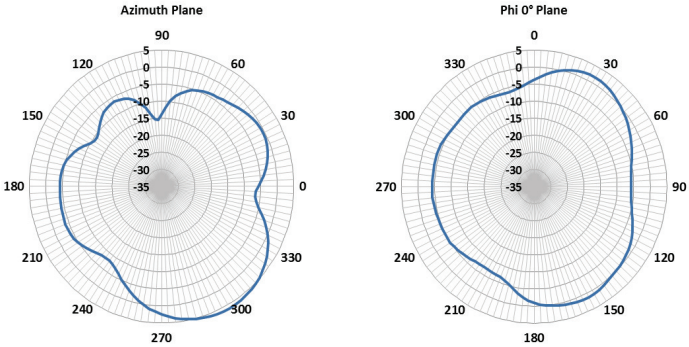
1990 MHz



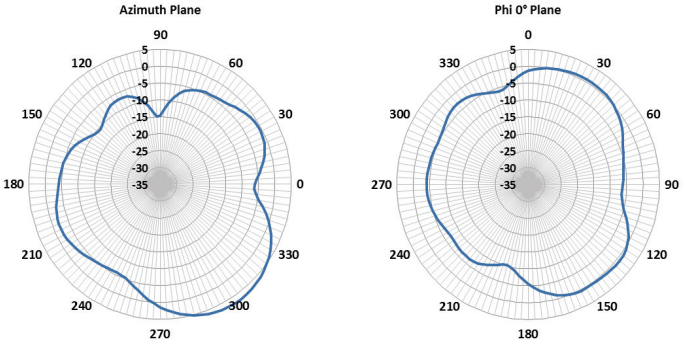
2170 MHz



2500 MHz



2700 MHz



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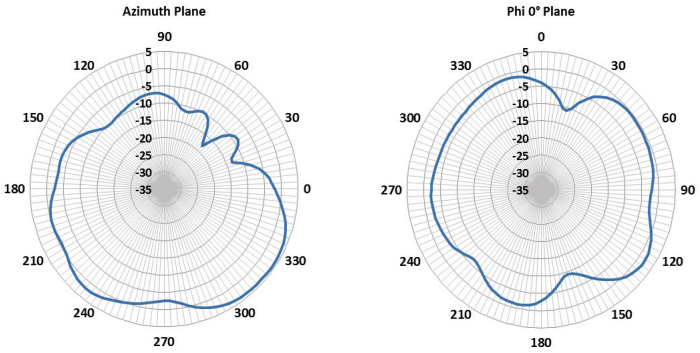
RADIATION PATTERNS

3300 MHz



3800 MHz