

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 AND BENEFITS

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

ELECTRICAL SPECIFICATIONS										
Operating Frequency (MHz)	698-806	824-894	880-960	1350-1550	1690-1880	1850-1990	1910-2170	2300-2500	2500-2700	3300-3800
VSWR – Avg	<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
Peak Gain – Typ (dBi)	3.5	3.9	4.8	4.8	4.4	4.5	4.4	4.9	5.4	4.8
Peak Gain – Max (dBi)	4.0	4.0	5.5	5.3	4.7	4.9	4.9	5.2	5.6	5.3
PIM - 2x20W – Typ (dBc)	< -156			< -156						
PIM - 2x20W – Max (dBc)	< -150			< -150						
Nominal Impedance (Ohms)						50				
Max Power - Ambient 25°C (W)						50				
Polarization						Linear				
Azimuth 3 dB Beamwidth						360°				

MECHANICAL SPECIFICATIONS	
Dimensions – height x diameter – mm (in.)	180.3 x 117.2 x 7.6 (7.1 x 4.6 x 0.3)
Weight with Mounting Kit – g (lbs.)	194 (0.43)
Weight without Mounting Kit – g (lbs.)	178 (0.39)
Antenna Color	White
Radome Material	PC + ABS, UL94-V0

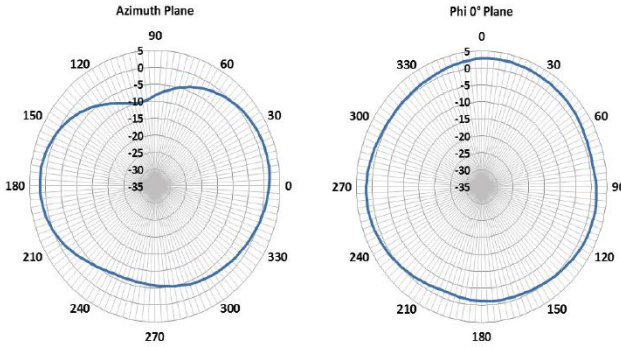
ENVIRONMENTAL SPECIFICATIONS	
Operating Environment (Indoor or Outdoor)	Indoor
Operating Temperature – C° (F°)	-30 to +70 (-22 to +158)
Storage Temperature – C° (F°)	-40 to +85 (-40 to +185)
Material Substance Compliance	RoHS

CONFIGURATION

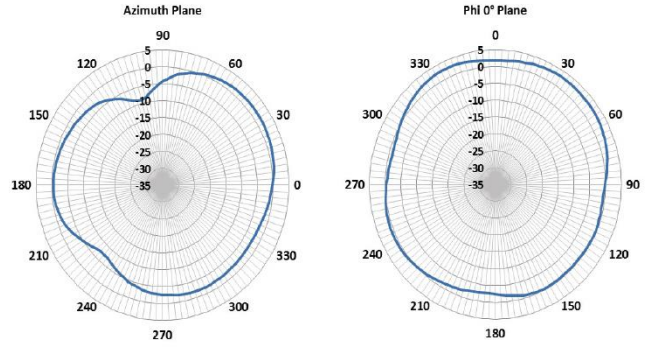
PART NUMBER	CABLE LENGTH	CONNECTOR
CFS69383P-30NF	30 cm (12 in.)	Type N-female
CFS69383P-30D43F	30 cm (12 in.)	4.3-10 DIN female

RADIATION PATTERNS

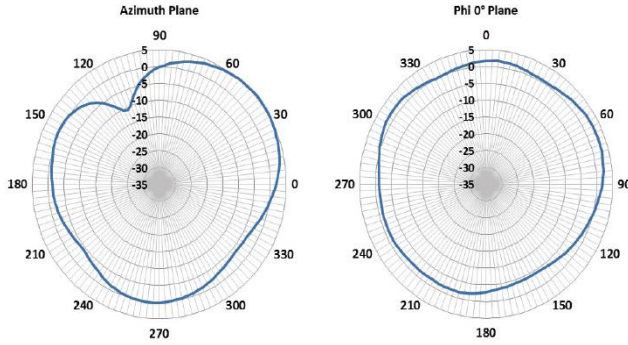
698 MHz



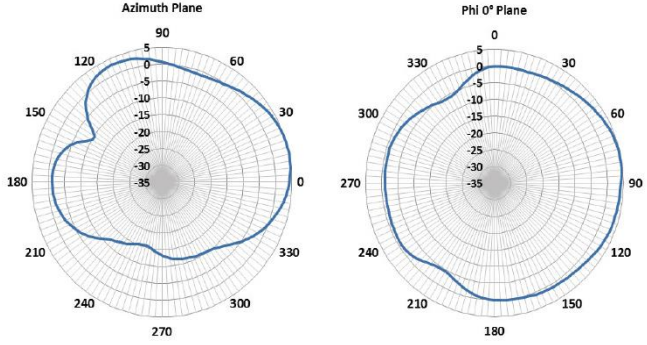
850 MHz



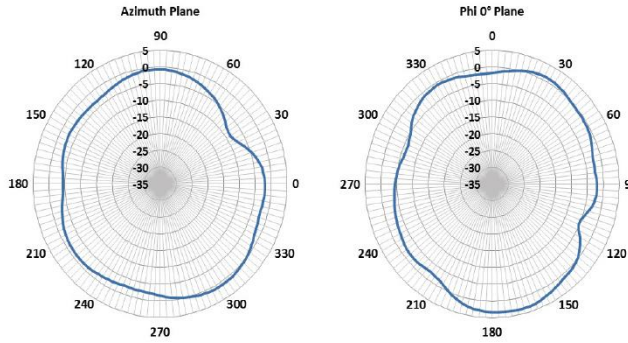
960 MHz



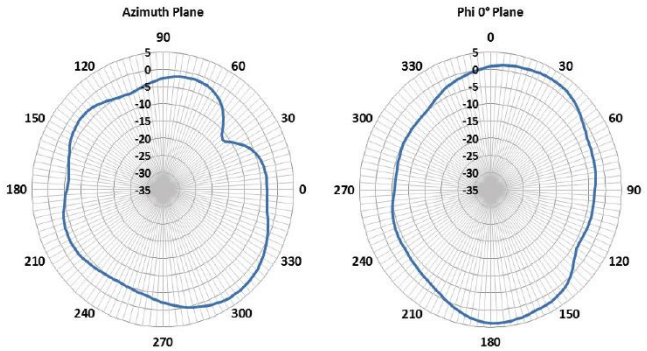
1350 MHz



1690 MHz

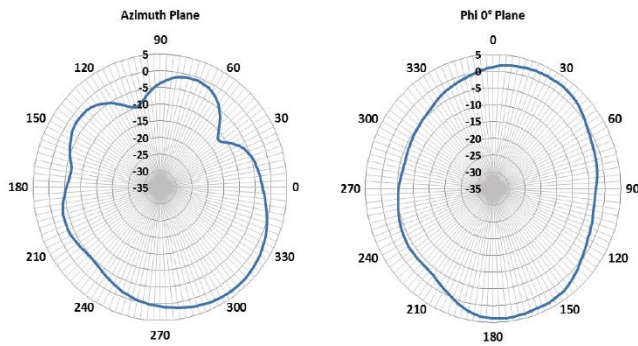


1850 MHz

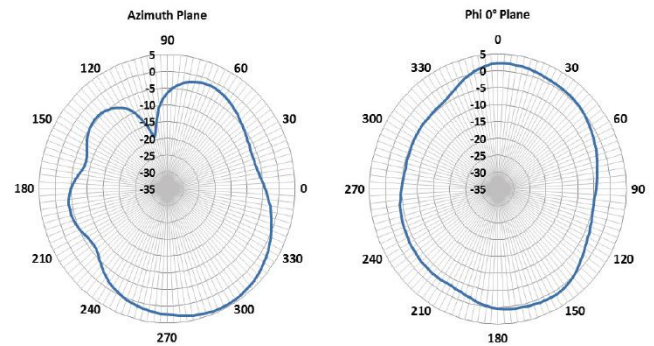


RADIATION PATTERNS

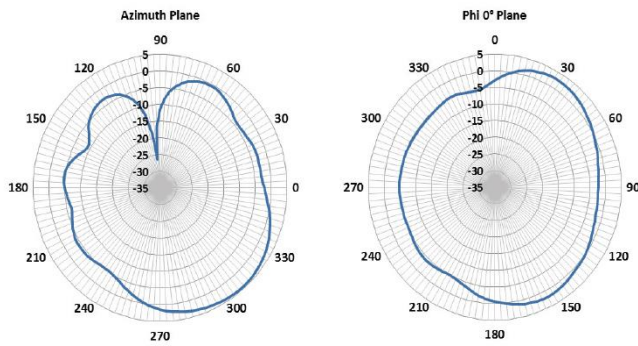
1990 MHz



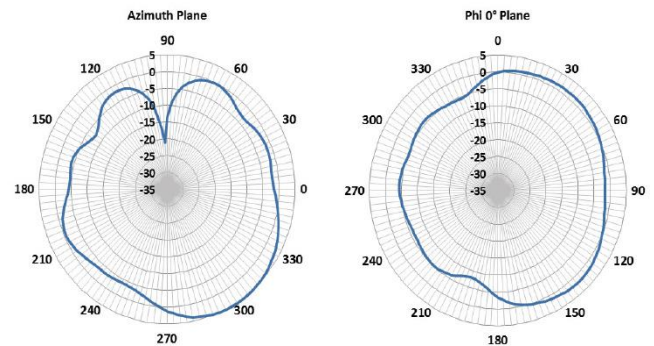
2170 MHz



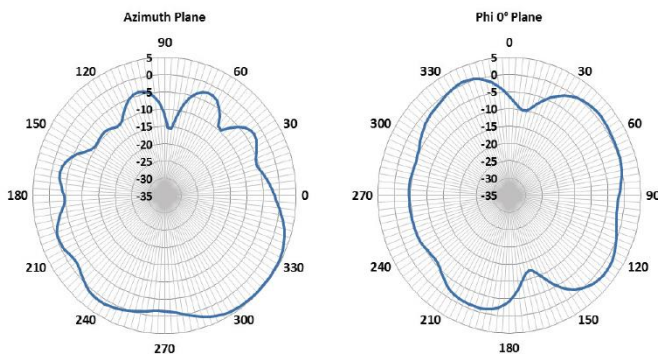
2500 MHz



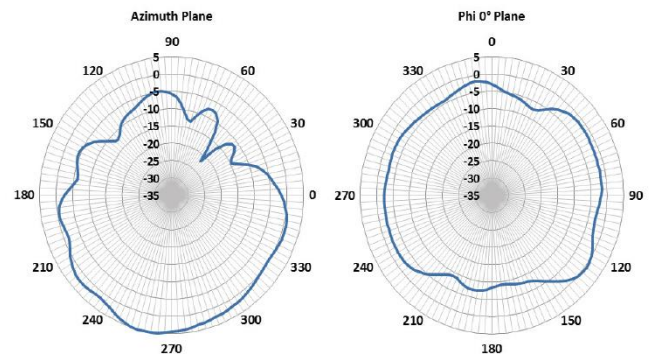
2700 MHz



3300 MHz



3800 MHz



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