



## CFS693830

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

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

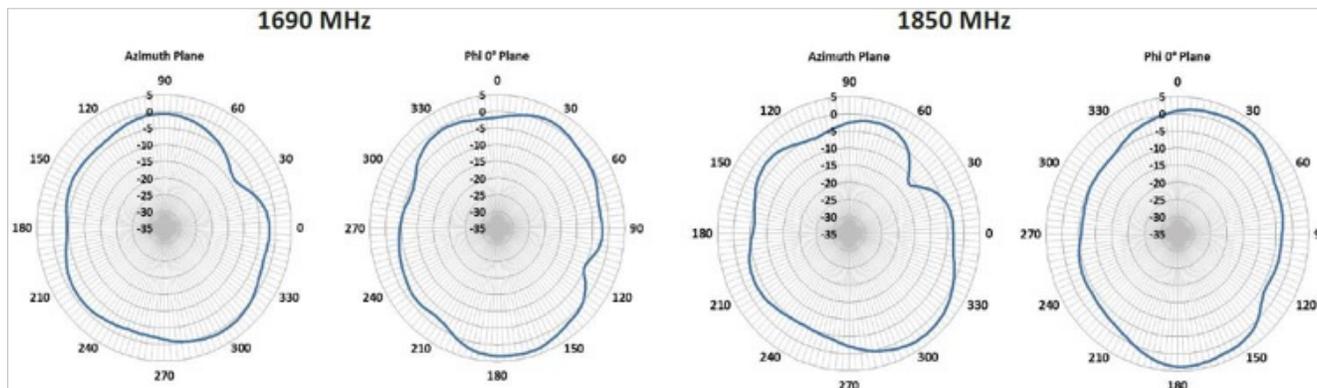
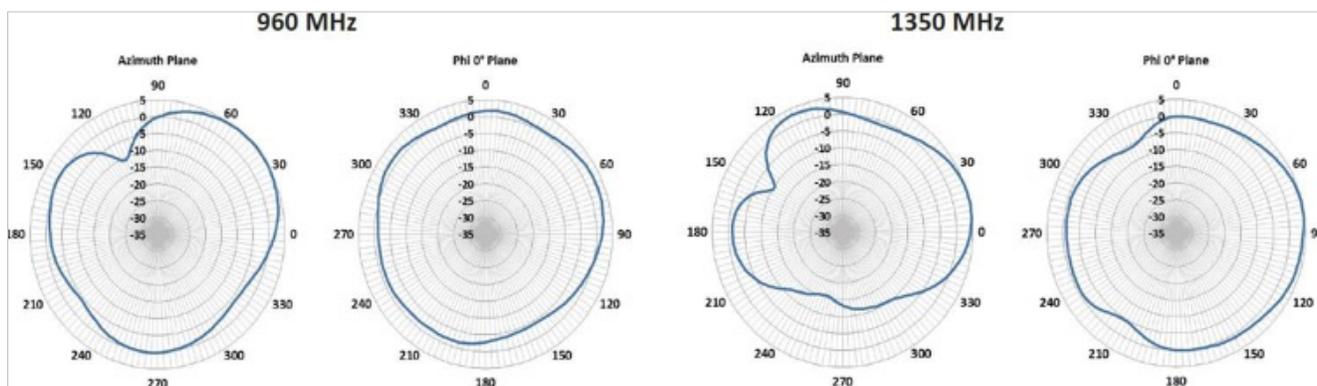
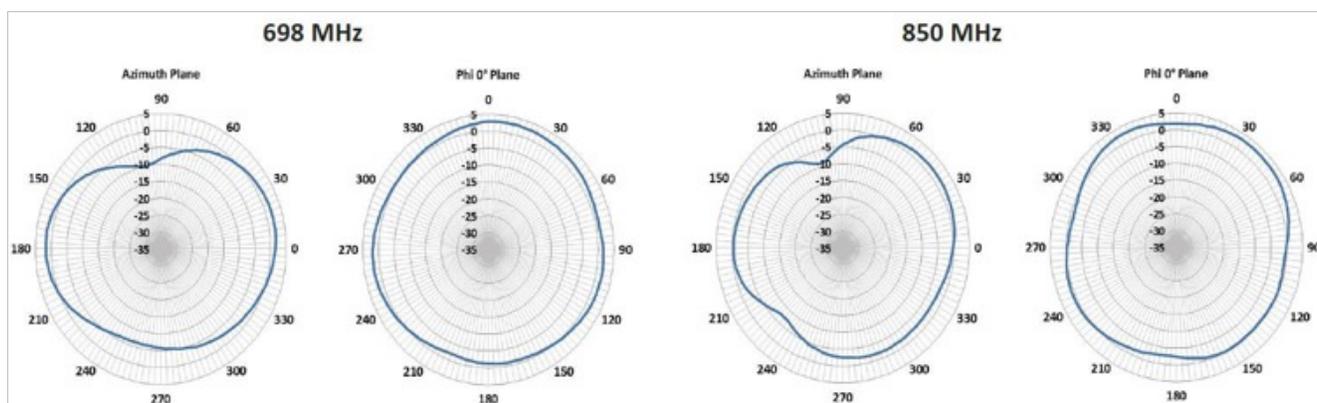
## ENVIRONMENTAL SPECIFICATIONS

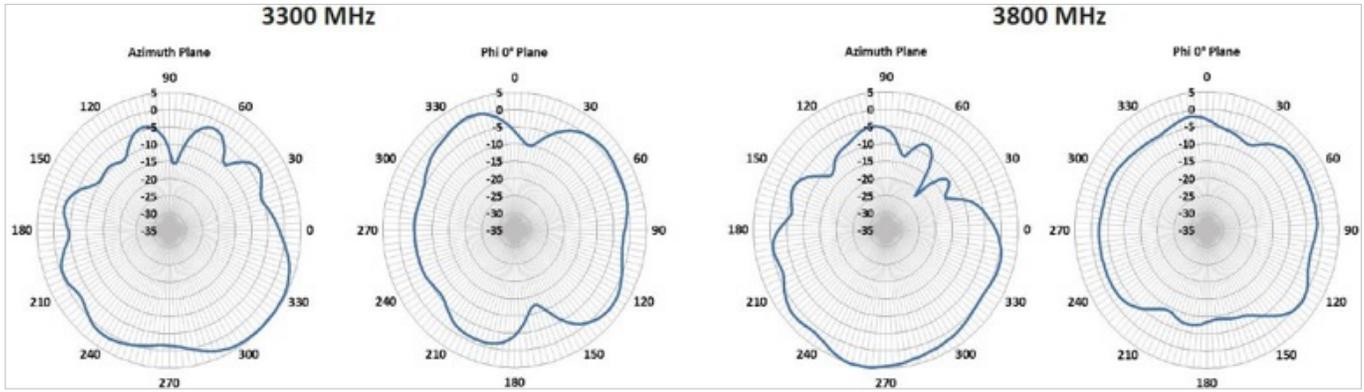
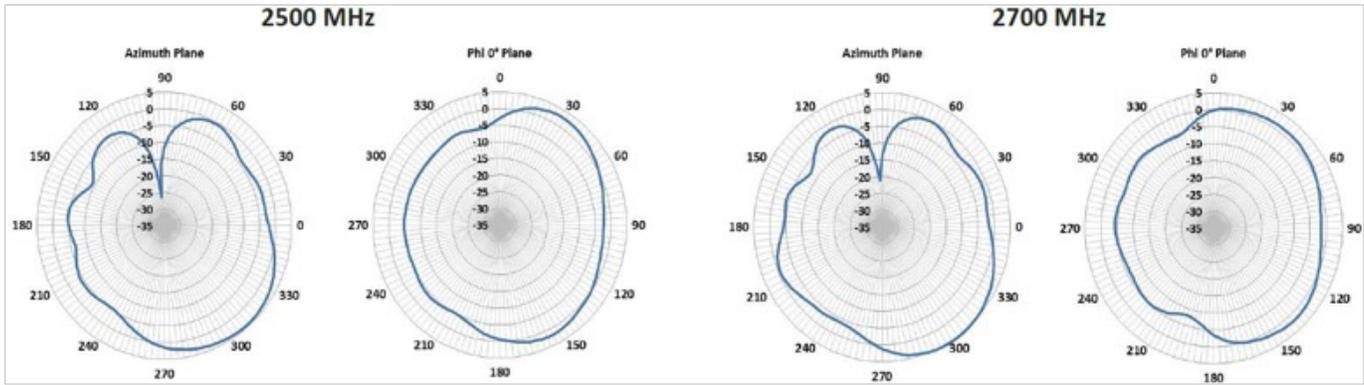
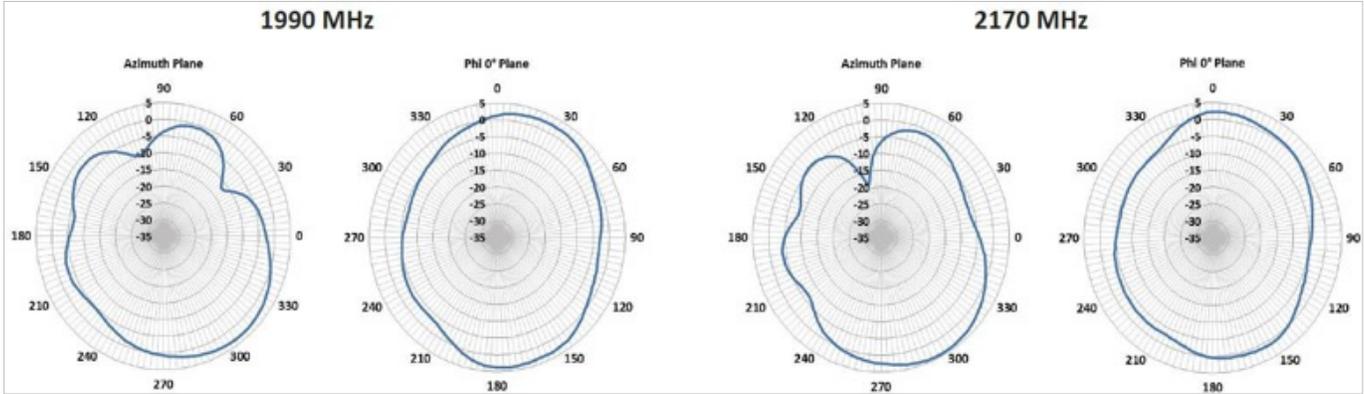
Operating Environment (Indoor or Outdoor)	Indoor
Operating Temperature - C° (F°)	-30 to +70 (-22 to +158)
Storage Temperature - C° (F°)	-40 to +85 (-40 to +185)
Material Substance Compliance	RoHS

## 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





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