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CFSA69383P/CFSA69383P1

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



(Tile Mount) Patent Pending CFSA69383P



(Hard Ceiling Mount)
Patent Pending CFSA69383P1

MULTI-BAND LOW PIM CEILING MOUNTED OMNIDIRECTIONAL ANTENNA

The CFSA69383P/CFSA69383P1 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 CFSA69383P/CFSA69383P1 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

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

APPLICATIONS

- Small cells
- Meeting rooms
- Offices
- Hotels
- Museums
- iDAS
- Libraries
- Retail malls
- Bus terminals and train stations
- Other in-building areas

PARAMETER	SPECIFICATIONS										
Model	CFSA69383P/CFSA69383P1										
Frequency Bands, MHz	698-806	824-894	880-960	1350-1550	1690-1880	1850-1990	1910-2180	2300-2500	2500-2700	3300-3800	3800-4000
Peak Gain, dBi (Typ)	3.2	2.6	3.4	4.2	4.0	4.4	4.2	4.3	5.4	2.4	3.0
Peak Gain, dBi (Max)	3.5	3.1	4.1	5.6	4.3	4.7	4.7	5.1	5.8	3.0	3.2
VSWR, Typ	<1.2:1	<1.2:1	<1.2:1	<1.6:1	<1.3:1	<1.3:1	<1.3:1	<1.2:1	<1.2:1	<1.6:1	<1.7:1
VSWR, Max	<1.5:1	<1.5:1	<1.5:1	<2.0:1	<1.5:1	<1.5:1	<1.5:1	<1.5:1	<1.5:1	<1.8:1	<2.0:1
PIM, 3rd Order, 2x20 W (Typ)	<-159 dBc (LTE Low Band)				<-157 dBc (LTE High Band)			<-160 dBc			
PIM, 3rd Order, 2x20 W (Max)	<-150 dBc				<-150 dBc			<-150 dBc			
Nominal Impedance	50Ω										
Polarization	Linear Horizontal										
Azimuth 3 dB Beamwidth	360°										
Max Power (Ambient 25°C)	50 Watts										
Antenna Dimension (H x Dia)	7.6 x 180 mm (0.3” x 7.1”)										
Weight	0.23 kg (0.5 lbs)										
Antenna Color	White										
Radome	PC, UL94-V0										
Operating Temperature	-30°C to +70°C (-22°F to +158°F)										
Storage Temperature	-40°C to +85°C (-40°F to +185°F)										
Material Substance Compliance	RoHS										

CONFIGURATION

PART NUMBER	CABLE LENGTH	CONNECTOR	MOUNTING	PACKAGING
CFSA69383P-30NF	30 cm (12”)	Type N- female	Ceiling Tile	Unit
CFSA69383P-30D43F	30 cm (12”)	4.3-10 female	Ceiling Tile	Unit
CFSA69383P-B30NF	30 cm (12”)	Type N- female	Ceiling Tile	Bulk
CFSA69383P-B30D43F	30 cm (12”)	4.3-10 female	Ceiling Tile	Bulk
CFSA69383P1-30NF	30 cm (12”)	Type N- female	Hard Ceiling	Unit
CFSA69383P1-30D43F	30 cm (12”)	4.3-10 female	Hard Ceiling	Unit
CFSA69383P1-B30NF	30 cm (12”)	Type N- female	Hard Ceiling	Bulk
CFSA69383P1-B30D43F	30 cm (12”)	4.3-10 female	Hard Ceiling	Bulk

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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.

5 YEAR WARRANTY

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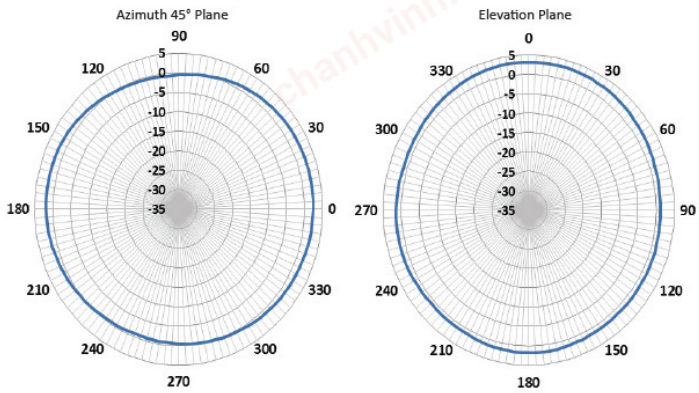
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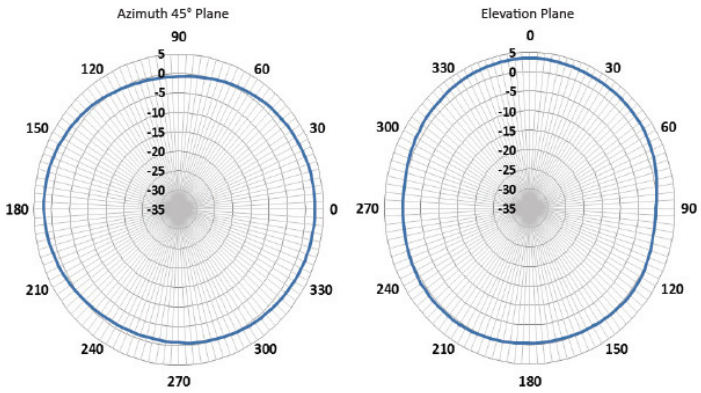
RADIATION PATTERNS

CFSA69383P

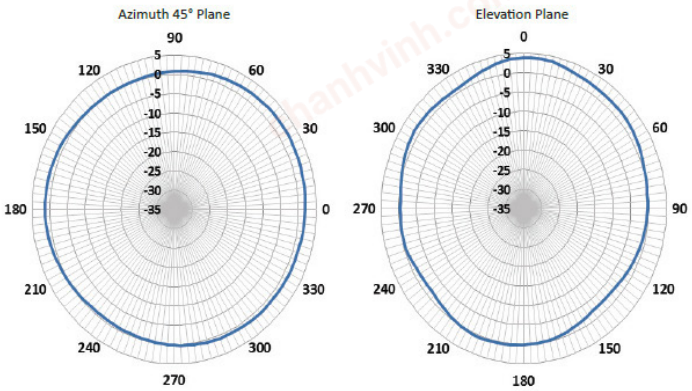
698 MHz



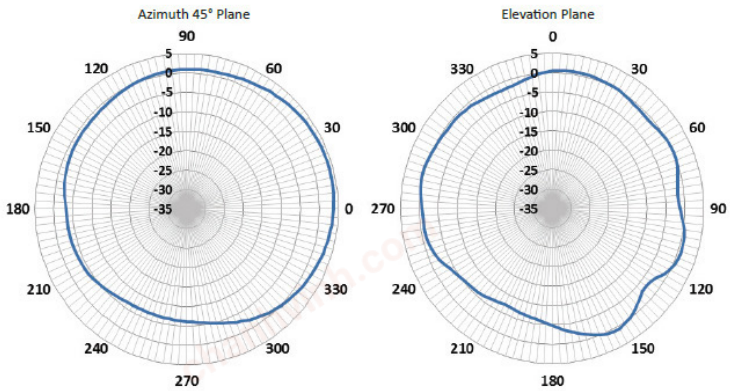
806 MHz



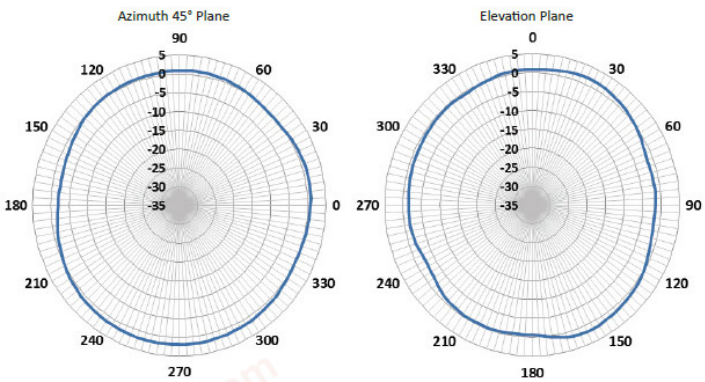
906 MHz



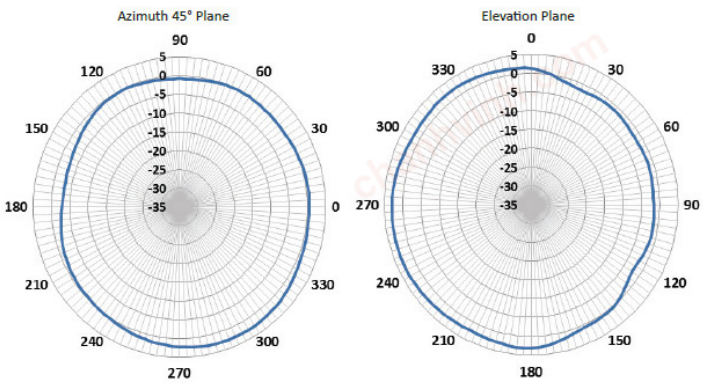
1350 MHz



1550 MHz



1690 MHz



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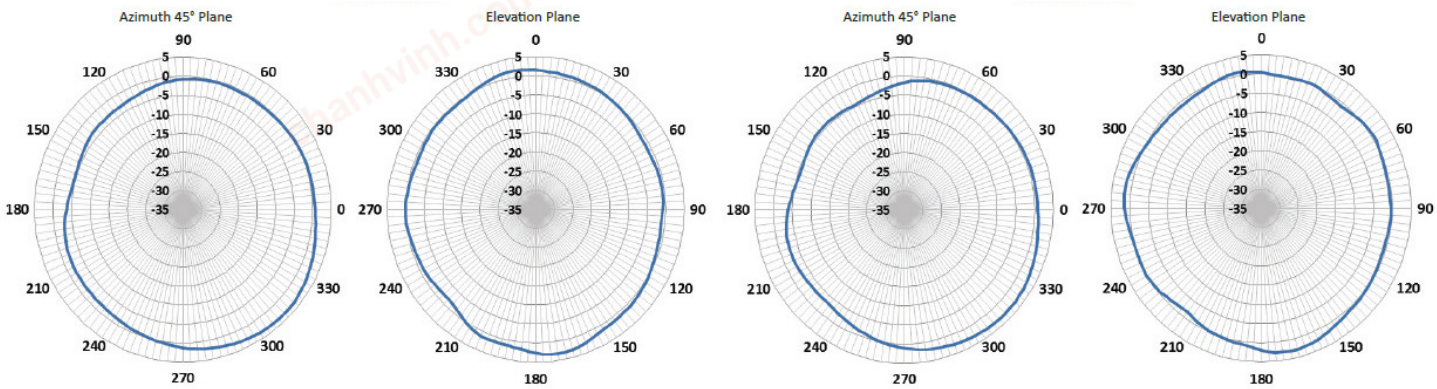
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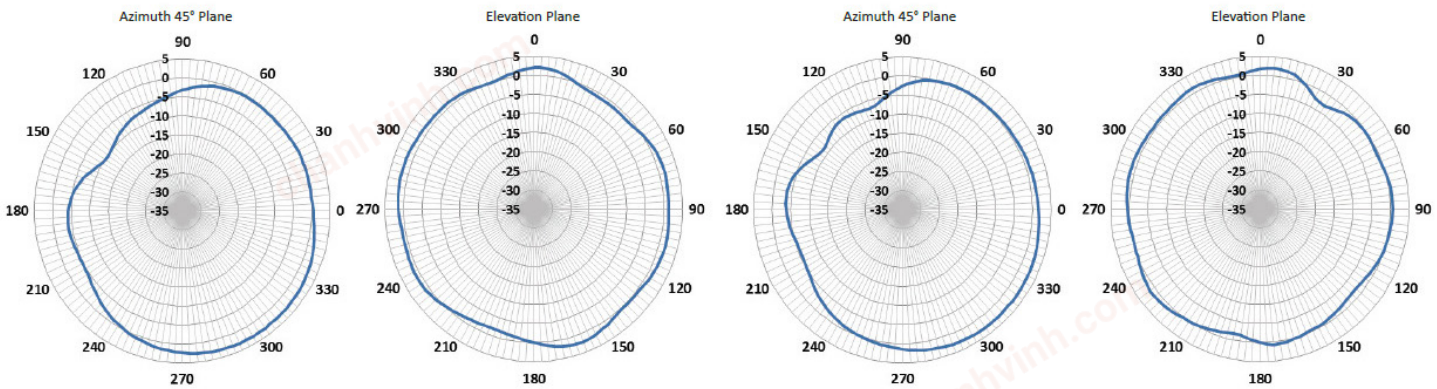
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RADIATION PATTERNS

CFSA69383P

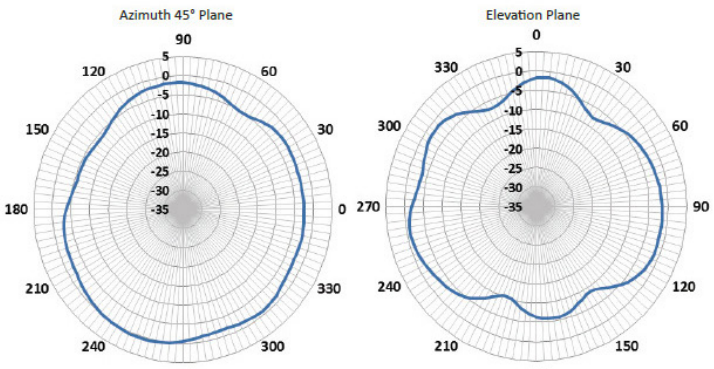


2170 MHz



2310 MHz

3500 MHz



ANT-DS-CFSA69383P(1) 1117

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