



Patent pending CFSA35606P



CFSA35606P1

The CFSA35606P/CFSA35606P1 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 350-520, 600-960, 1350-1550, and 1690-6000 MHz for the UHF, 4G LTE, 2G/3G Cellular, UMTS/AWS-3, CBRS, and the Wi-Fi frequency bands. The CFSA35606P/CFSA35606P1 are 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

- Ultra-low profile
- Public safety iDAS
- Optimized performance using Laird proprietary tools
- Aesthetically-neutral housing
- Supports AWS-3 frequency band
- Mounts directly and easily to ceiling tile (CFSA35606P1 is for hard ceiling mounting)

APPLICATIONS

- FirstNet/Public Safety
- In-building DAS

ELECTRICAL SPECIFICATIONS

Operating Frequency (MHz)	350-380	380-520	600-698	698-806	806-894	894-960	1350-1550	1690-1880	1850-1990	1910-2180	2300-2700	3300-4200	4900-5925	
Gain (dBi)	4.5	4.4	3.7	4.0	4.2	4.6	5.6	5.4	4.1	5.0	5.7	6.8	7.3	
VSWR- Avg.	1.9	1.7	1.7	1.5	1.3	1.5	1.3	1.4	1.4	1.4	1.5	1.4	1.7	
VSWR – Max	<2.5:1	<2.0:1												
PIM - 2x20W (dBc)	< -150		< -150						< -150					
Nominal Impedance (Ohms)	50													
Max Power - Ambient 25°C (W)	50													
Polarization	Horizontal													
Azimuth Beamwidth	360°, Omnidirectional													

MECHANICAL SPECIFICATIONS

Dimensions – height x diameter – mm (inches)	7.6 x 270 (0.30 x 10.6)
Weight – kg (lbs.)	0.46 (1.01)
Antenna Color	White
Radome Material	PC, UV Stable, UL 94-V0 Material

ENVIRONMENTAL SPECIFICATIONS

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

CONFIGURATION

PART NUMBER	CABLE LENGTH	CONNECTOR	MOUNTING
CFSA35606P-30NF	30 cm (12")	Type N- female	Ceiling Tile
CFSA35606P-30D43F	30 cm (12")	4.3-10 female	Ceiling Tile
CFSA35606P1-30NF	30 cm (12")	Type N- female	Hard Ceiling
CFSA35606P1-30D43F	30 cm (12")	4.3-10 female	Hard Ceiling

MECHANICAL DRAWING

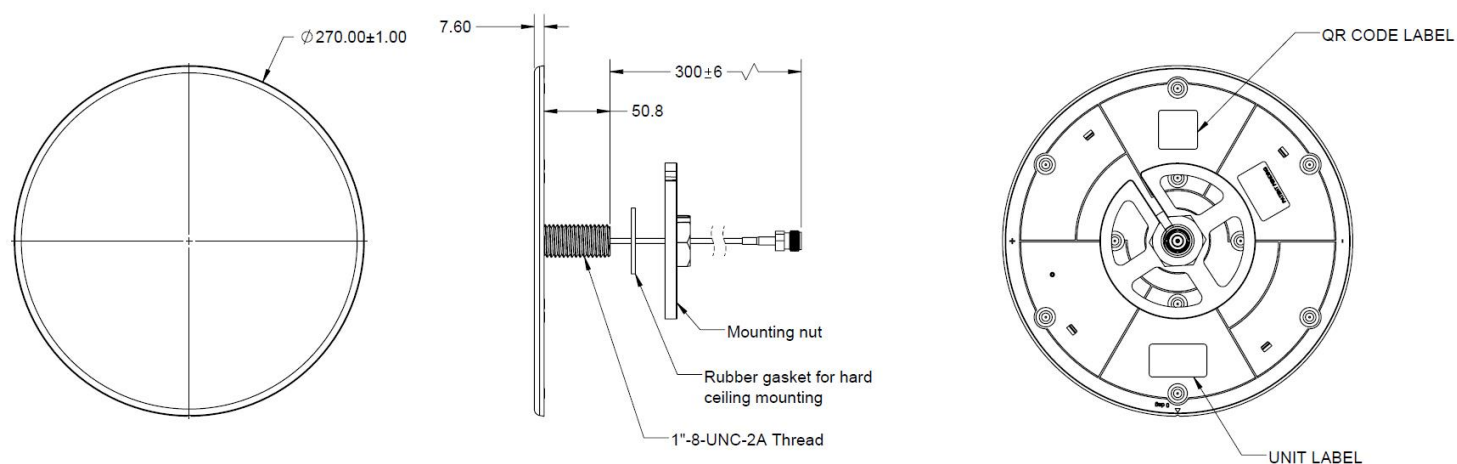


Figure 1: CFSA35606P Mechanical drawings

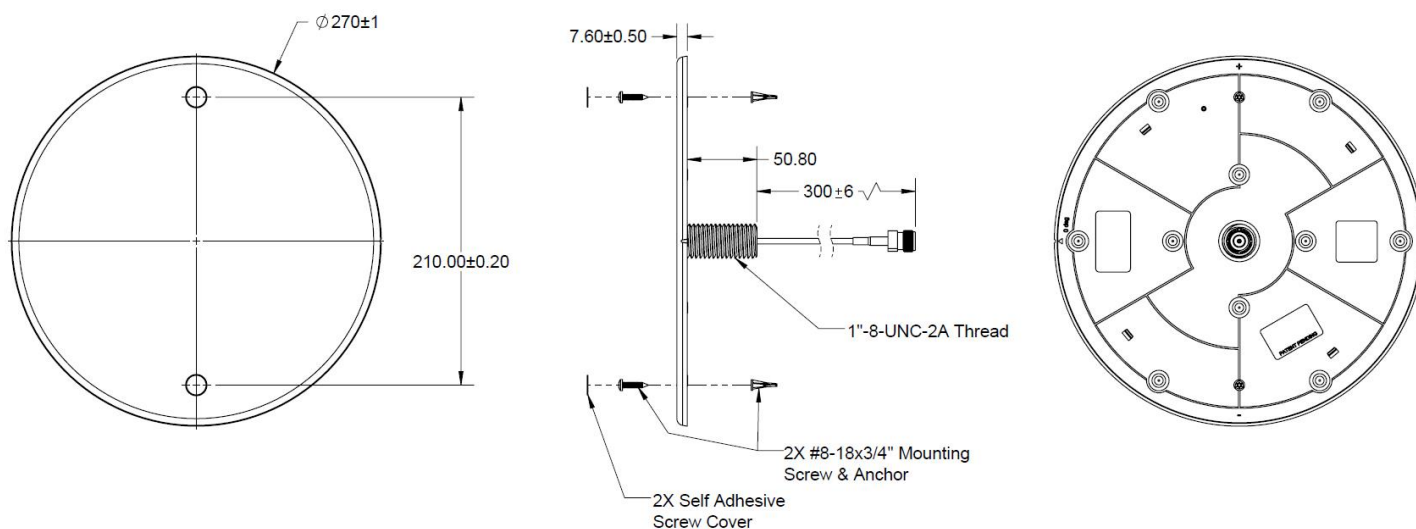
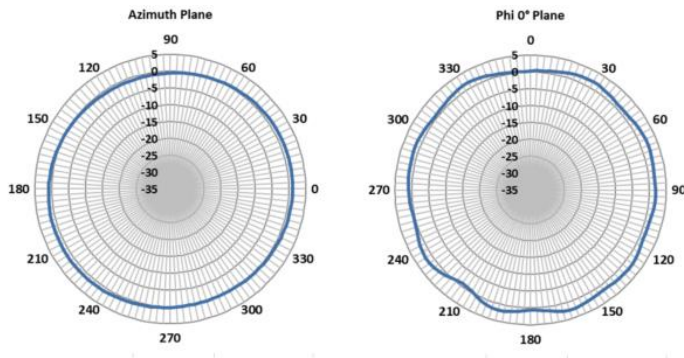


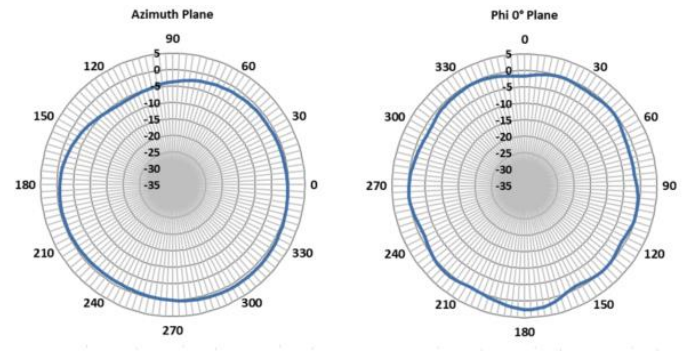
Figure 2: CFSA35606P1 Mechanical drawings

RADIATION PATTERNS

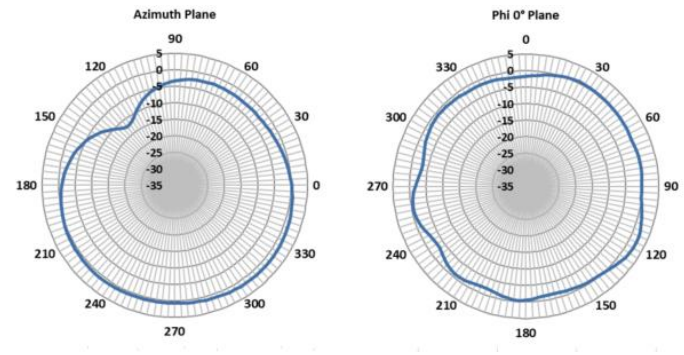
430 MHz



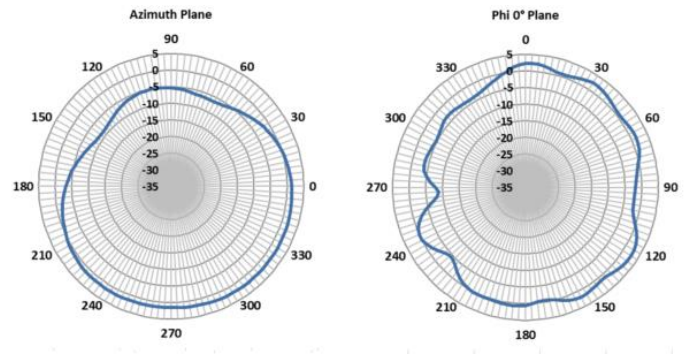
600 MHz



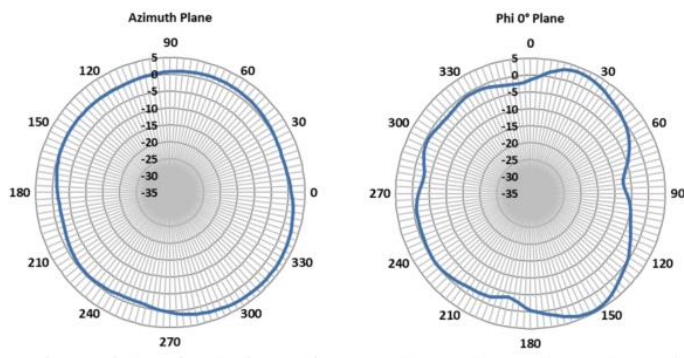
806 MHz



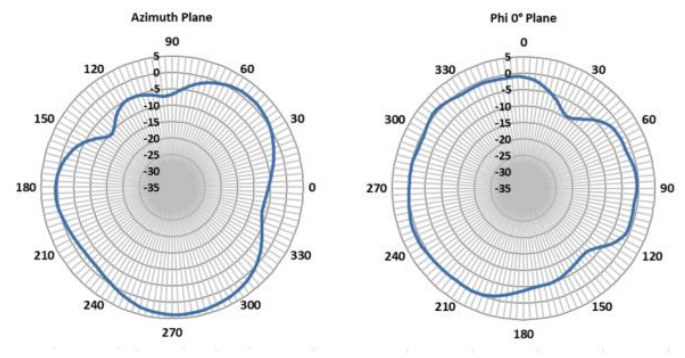
960 MHz



1500 MHz

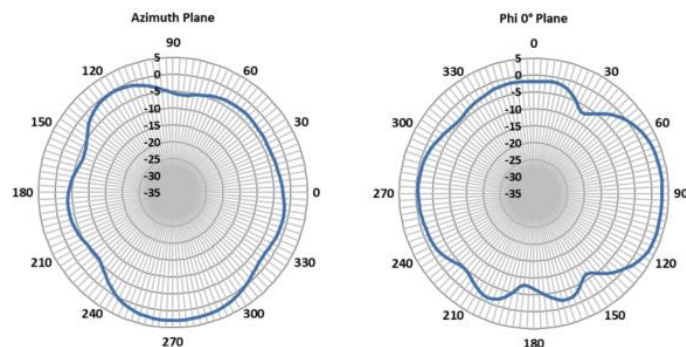


1850 MHz

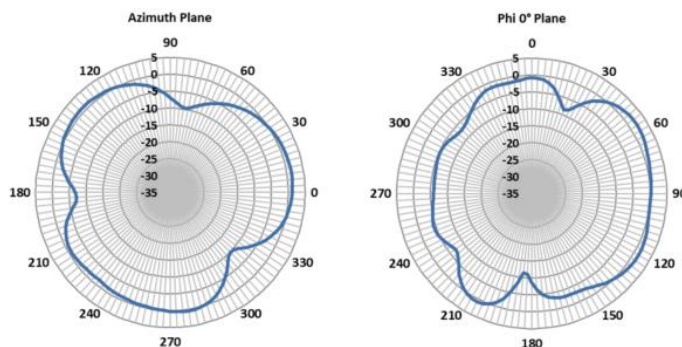


RADIATION PATTERNS

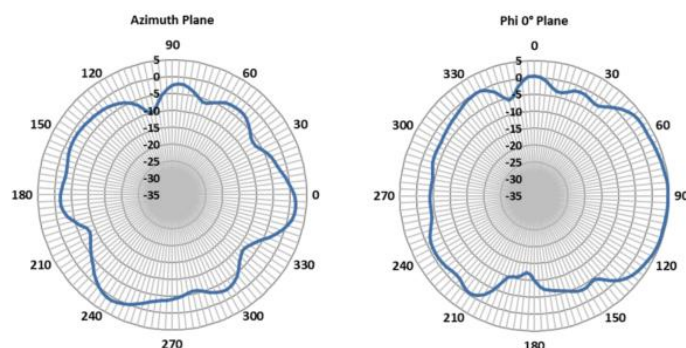
2170 MHz



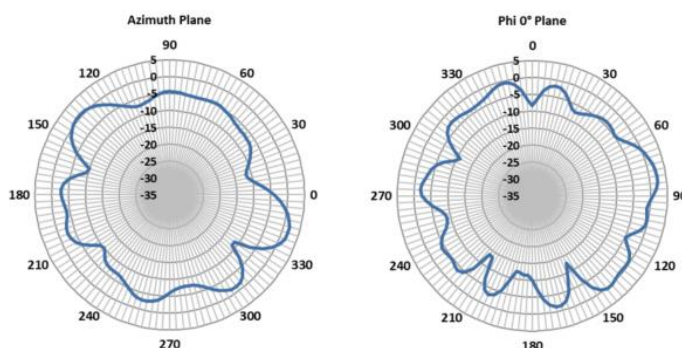
2500 MHz



3500 MHz



5900 MHz



Note: Azimuth patterns represent 45° conic cuts.



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