



CFSA35606P/ CFSA35606P1

**Ultra-low Profile/Low PIM Ceiling Mount
Antenna 350-520 MHz/600-960 MHz/
1350-1550 MHz/1690-6000 MHz**

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 TE 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)	< -156			< -156									
Max Power - Ambient 25°C (W)	< -150			< -150									
Polarization	50												
Azimuth Beamwidth	50												
Polarization	Horizontal												
Azimuth 3 dB 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

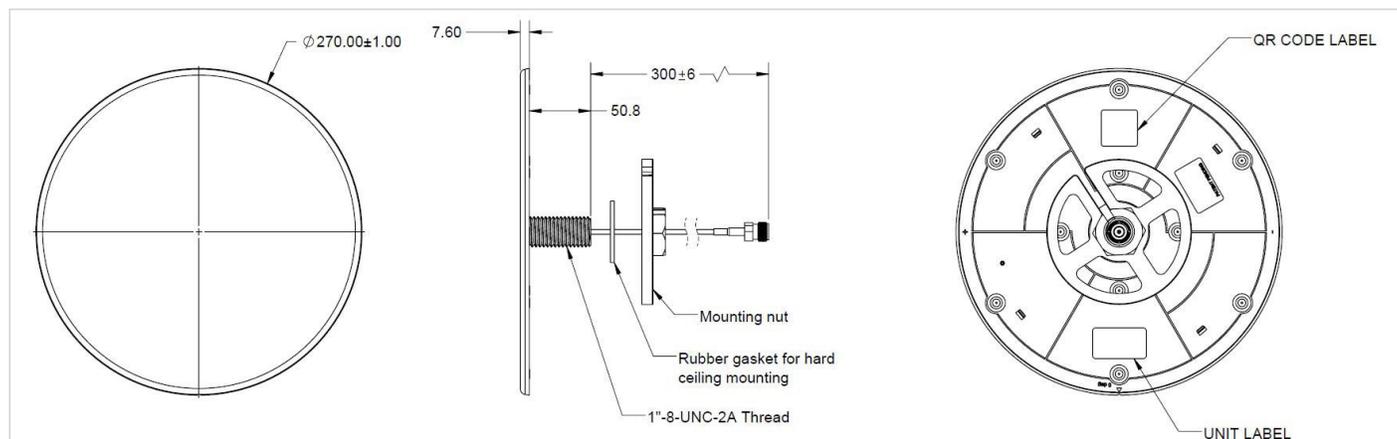


Figure 1: CFSA35606P Mechanical drawings

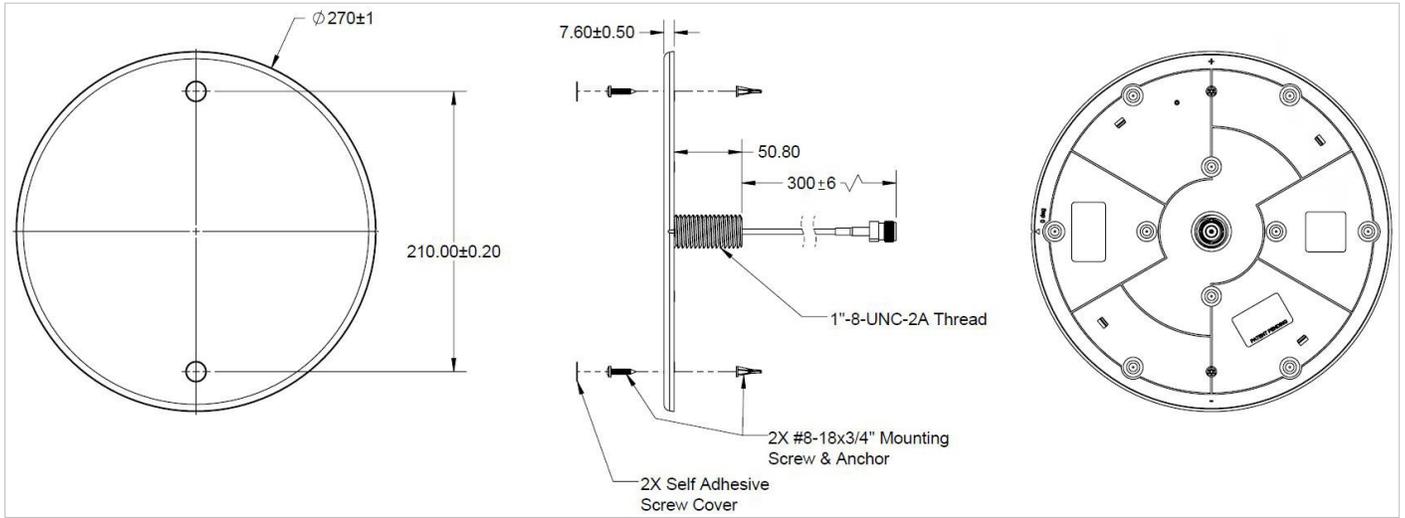
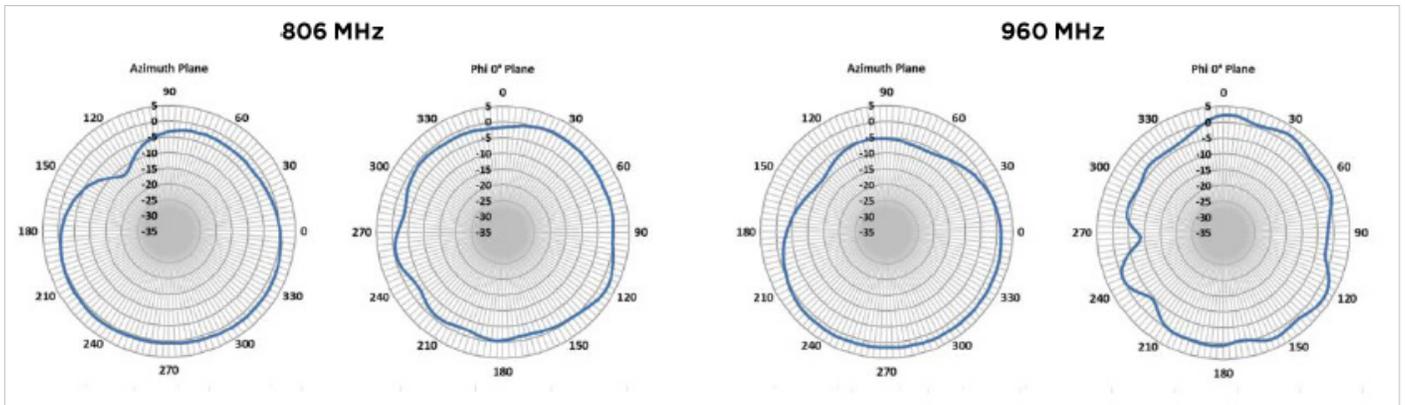
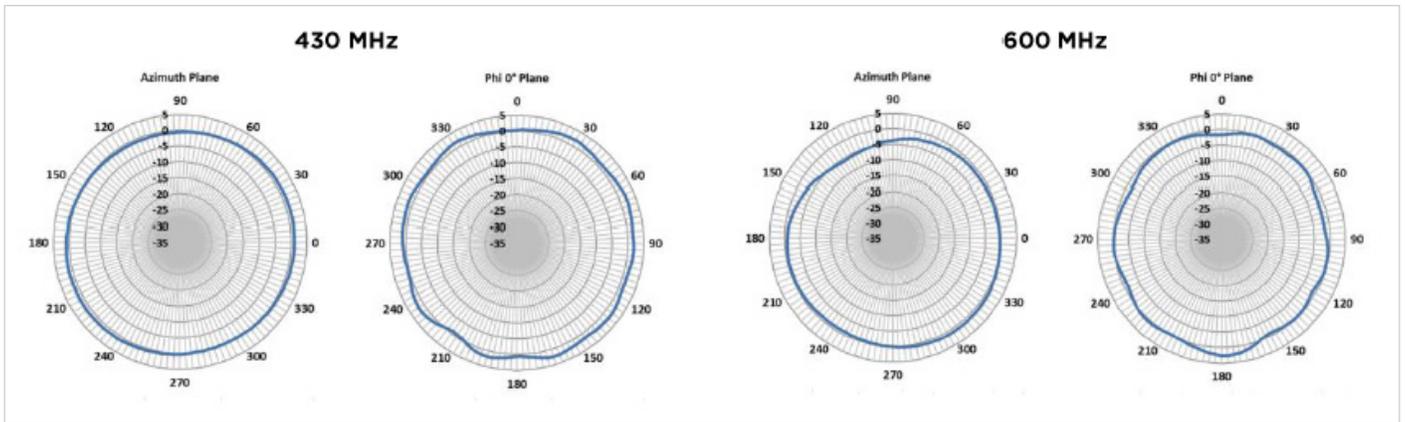
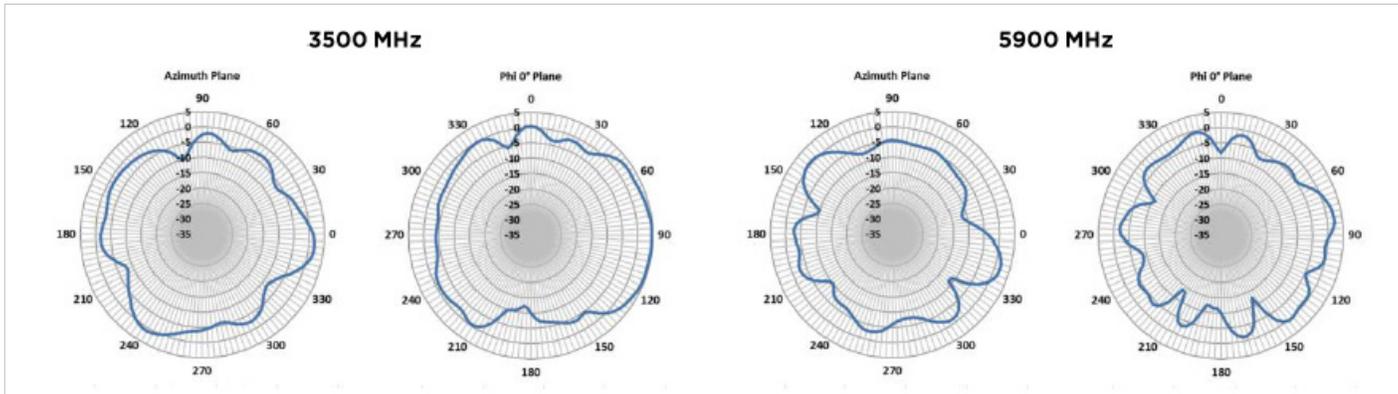
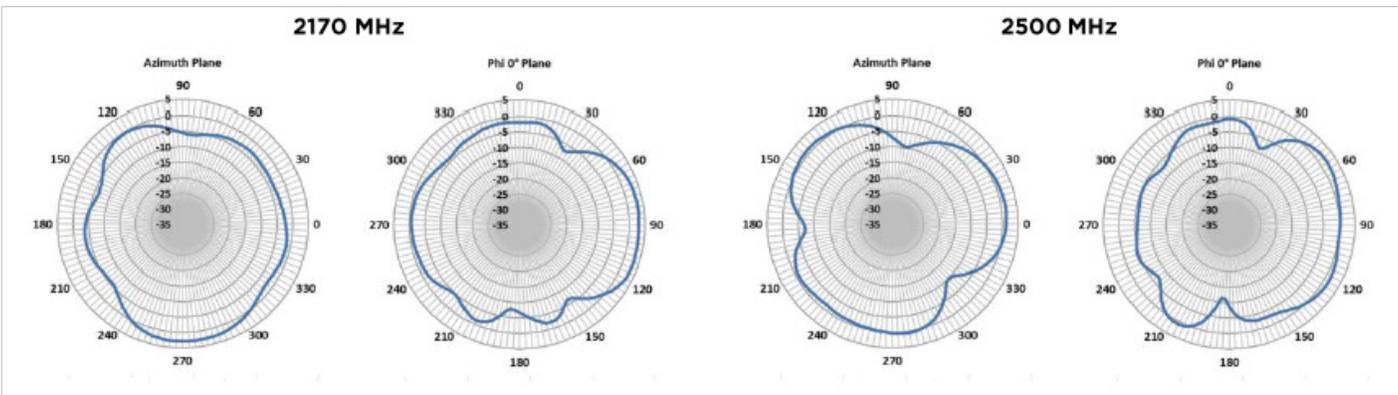
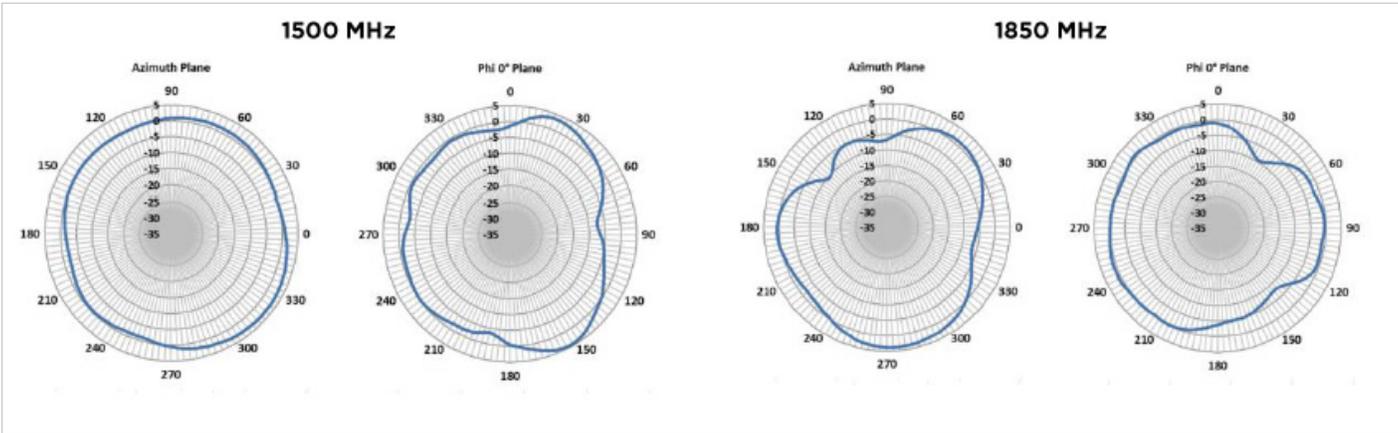


Figure 2: CFSA35606P1 Mechanical drawings

RADIATION PATTERNS





Note: Azimuth patterns represent 45° conic cuts.

TE TECHNICAL SUPPORT CENTER

USA:	+1 (800) 522-6752
Canada:	+1 (905) 475-6222
Mexico:	+52 (0) 55-1106-0800
Latin/S. America:	+54 (0) 11-4733-2200
Germany:	+49 (0) 6251-133-1999
UK:	+44 (0) 800-267666
France:	+33 (0) 1-3420-8686
Netherlands:	+31 (0) 73-6246-999
China:	+86 (0) 400-820-6015

te.com

TE, TE Connectivity, TE connectivity (logo), and EVERY CONNECTION COUNTS are trademarks owned or licensed by the TE Connectivity plc family of companies. Other product names, logos, and company names mentioned herein may be trademarks of their respective owners.

While TE has made every reasonable effort to ensure the accuracy of the information in this document, TE does not guarantee that it is error-free, nor does TE make any other representation, warranty or guarantee that the information is accurate, complete, correct, reliable or current. TE reserves the right to make any adjustments to the information contained herein at any time without notice. TE EXPRESSLY DISCLAIMS ALL IMPLIED WARRANTIES REGARDING THE INFORMATION CONTAINED HEREIN, INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. In no event will TE be liable for any direct, indirect, incidental, special or consequential damages arising from or related to recipient's use of the information. It is the sole responsibility of recipient of this information to verify the results of this information using their engineering and product environment. Recipient assumes any and all risks associated with the use of the information. Antenna performance may vary. TE is a component manufacturer, and customer and/or end-user is responsible for all end-use compliance and regulatory requirements.

©2025 TE Connectivity. All Rights Reserved.

05/25 Original