



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

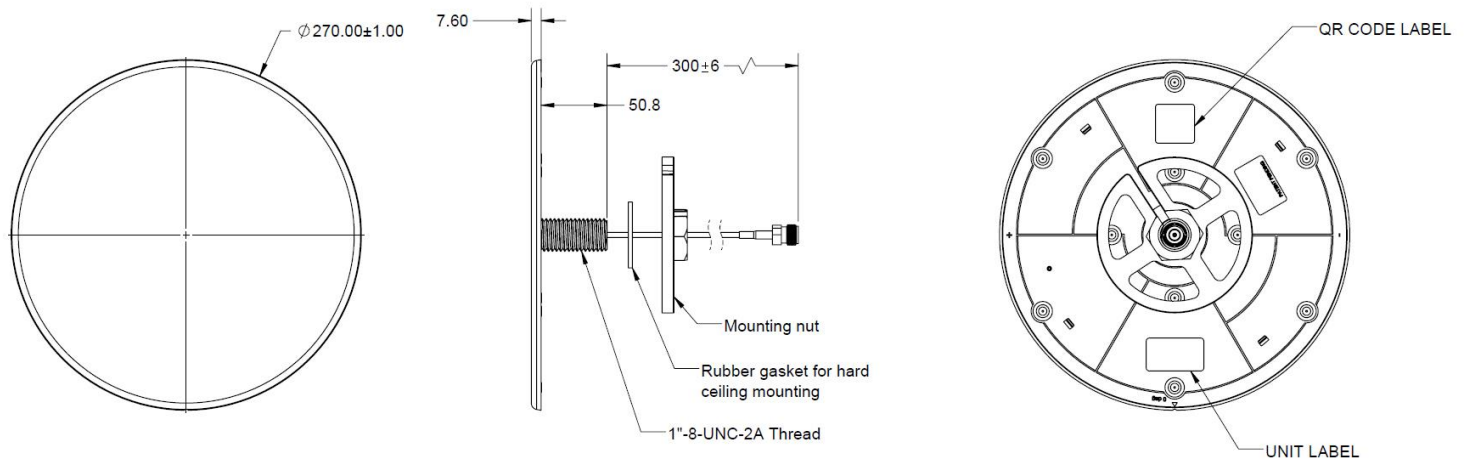


Figure 1: CFSA35606P Mechanical drawings

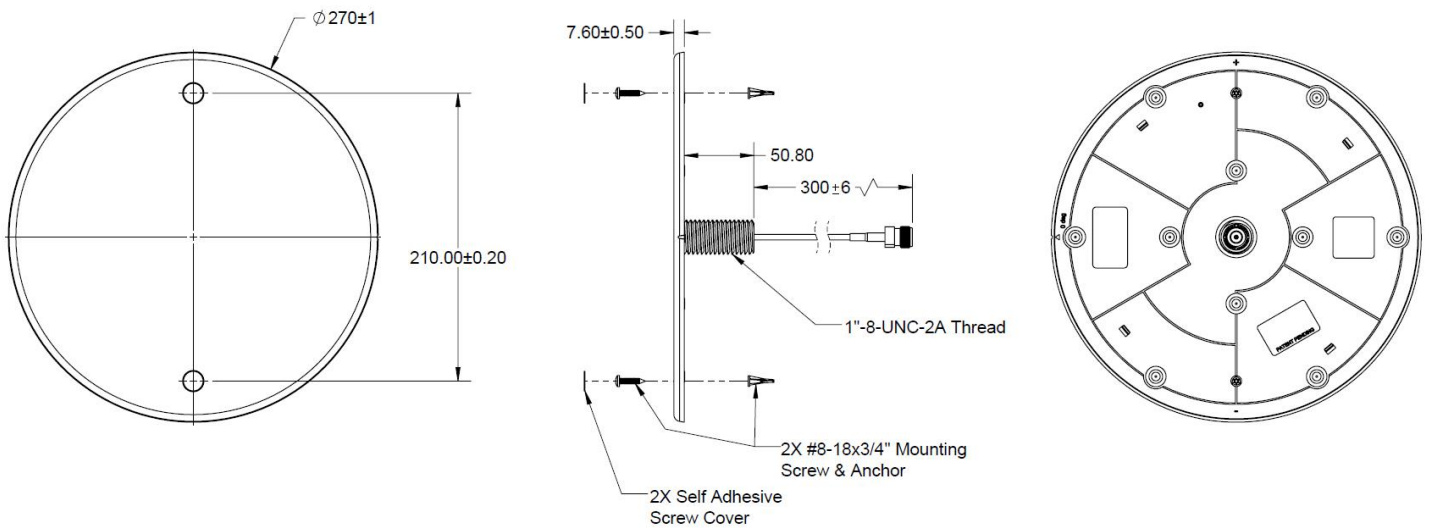
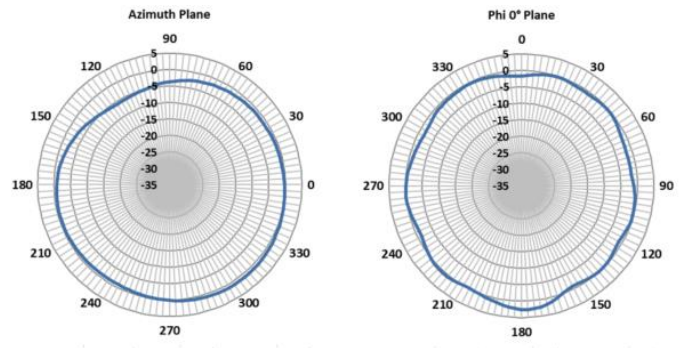
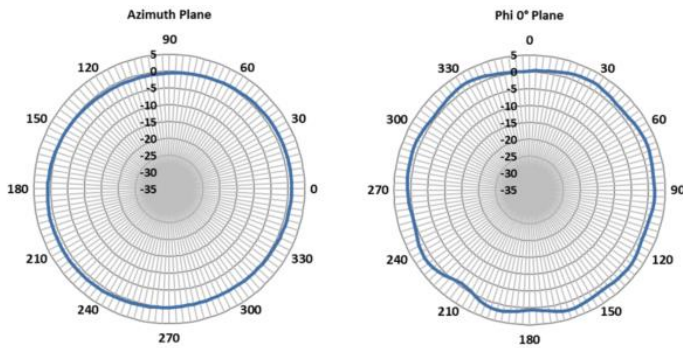


Figure 2: CFSA35606P1 Mechanical drawings

RADIATION PATTERNS

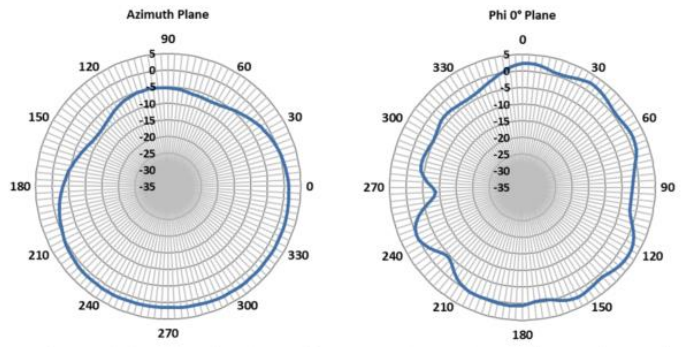
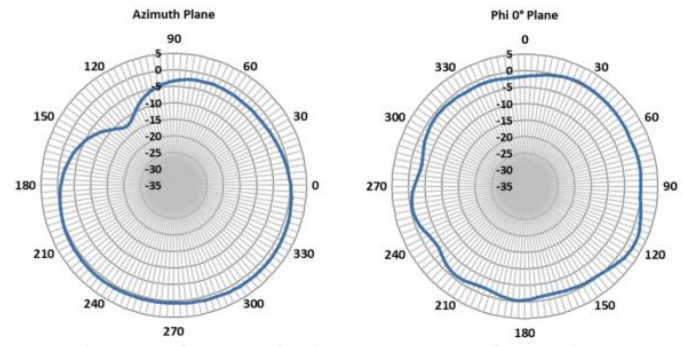
430 MHz

600 MHz



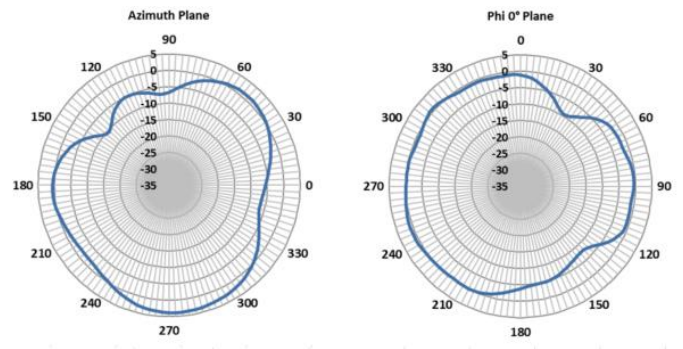
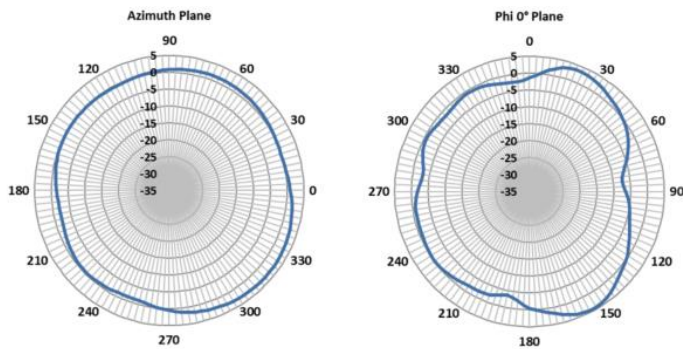
806 MHz

960 MHz



1500 MHz

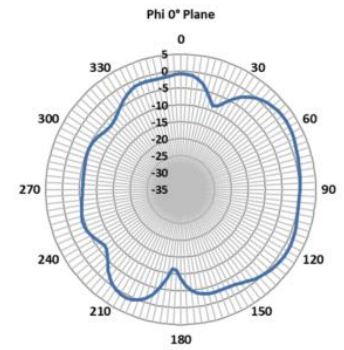
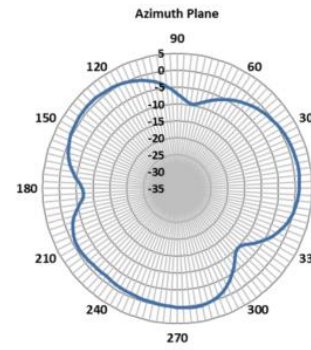
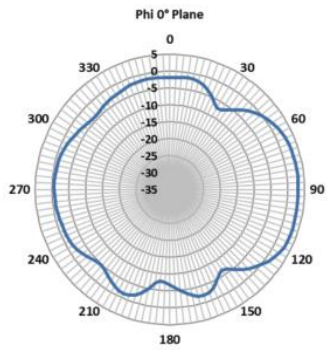
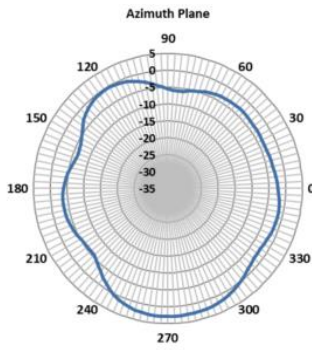
1850 MHz



RADIATION PATTERNS

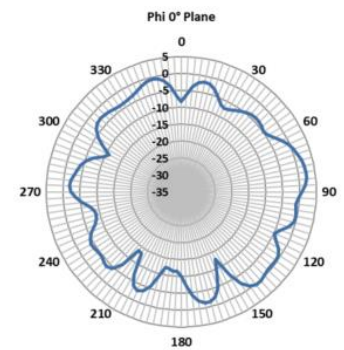
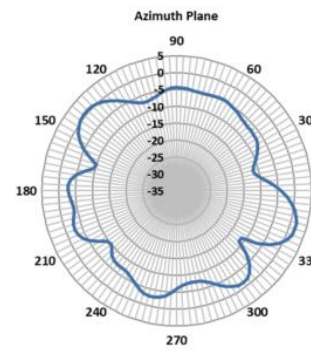
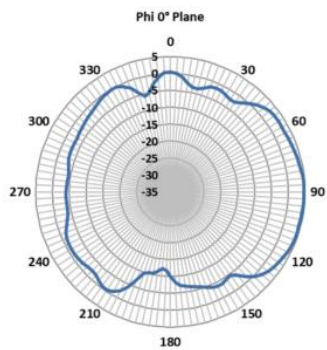
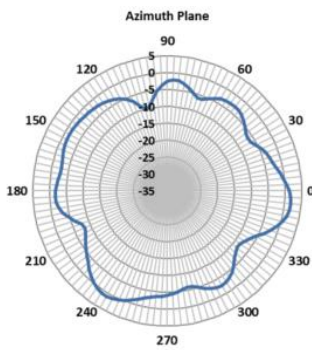
2170 MHz

2500 MHz



3500 MHz

5900 MHz



Note: Azimuth patterns represent 45° conic cuts.

✓RoHS

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- Техническая поддержка проекта;
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