

PEAR™ S5606i Pigtail

Ultra Flat In-Building Antenna

[698-960 / 1695-2700 MHz]


Description:

Ultra thin (1.2" / 30mm flat) omni directional antenna for in-building ceiling mount applications such as Small Cells & DAS. The antenna is vertically polarized and operates at 698-960 and 1695-2700 MHz.

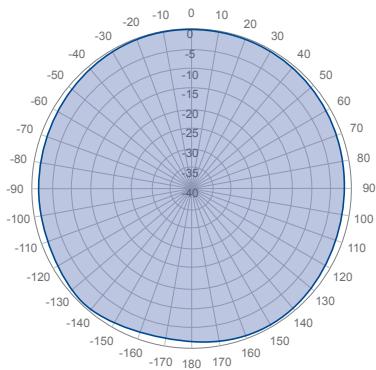


| Electrical Specifications | | | | |
|---------------------------|--|---------|-----------|-----------|
| Frequency Band [MHz] | 698-894 | 894-960 | 1695-2180 | 2180-2700 |
| Input Connector Type | N-Type or 4.3-10 DIN or 4.1-9.5 DIN (F) with cable (17"/43cm length) | | | |
| Polarization | Vertical | | | |
| Antenna Structure | 1 Port | | | |
| Impedance | 50 Ω | | | |
| VSWR / Return Loss | <1.7:1 / 11.8 dB | | | |
| Max. Gain | 3.2 dBi | 3.3 dBi | 7.4 dBi | 7.2 dBi |
| Avg. Gain | 2.4 dBi | 3.1 dBi | 6.6 dBi | 6.7 dBi |
| Horizontal Beamwidth | Omni (360°) | | | |
| PIM @ 2 x 43 dBm | <-153 dBc for 4.3-10 DIN - <-150 dBc for N-Type or 4.1-9.5 DIN | | | |
| Max. Input Power per Port | 25W at ambient temperature of 25°C (77°F) | | | |

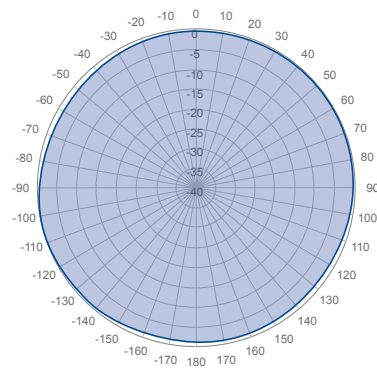
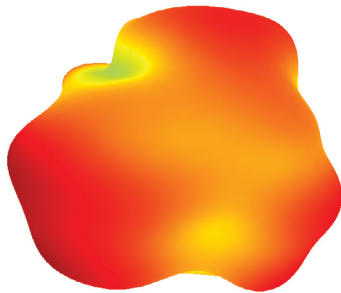
| | |
|--------------------------------|---|
| Operating Temperature | -40° to 158 °F (-40° to +70°C) |
| Environmental Conditions | Indoor |
| Antenna Weight | 0.86 lbs (390 g) |
| Dimensions (Diameter / Height) | 12" / 1.2" (304mm / 30mm) |
| Clearance above ceiling needed | 5.9"/150mm (measured from antenna base plate) |
| Flammability rating | UL 94-V0 |
| RoHS | Compliant |
| Pigtail Cable | Plenum Rated |
| Radome Color | White* |
| Radome Material | PC/ABS |
| Shipping Dimensions (LxWxH) | 14.6 x 14.6 x 8.2" (370 x 370 x 210mm) |
| Shipping Weight (Gross Weight) | 3.7 lbs (1.7 Kg) |

* Radome can be painted with recommended paint "Krylon fusion for plastic"

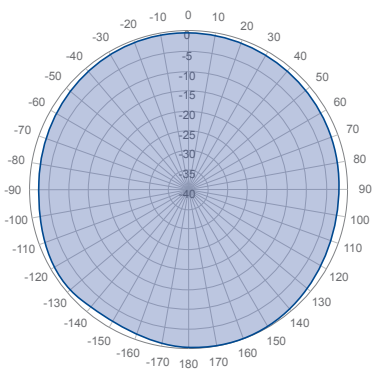
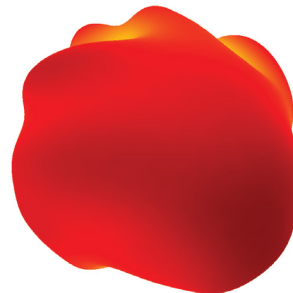
Release Date: 15. Dec. 2015; Revision: E; Patent Pending



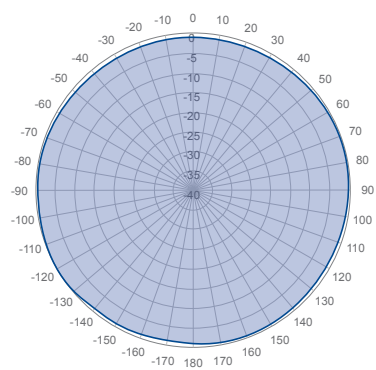
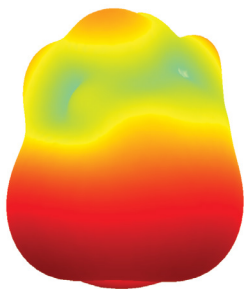
700MHz



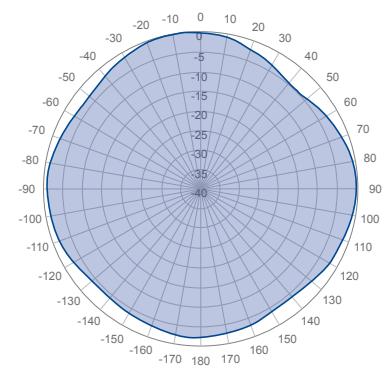
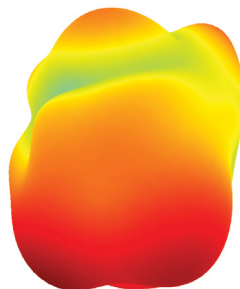
820MHz



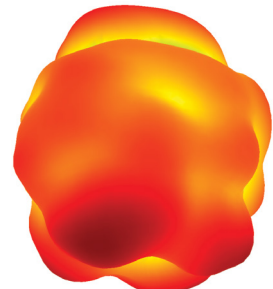
1950MHz



2100MHz



2700MHz



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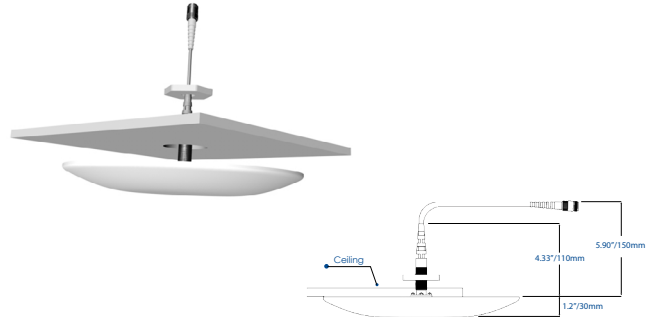
Mounting Options

This antenna can be mounted using any of the following mounting brackets. Optional mounting brackets need to be ordered as a separate line item. See Ordering Options for details.

Below Ceiling Installation (Standard)

Fasteners for below suspended ceiling mounting included with antenna. Maximum ceiling thickness 1.18" (30mm). Drill a hole with a 1.18" (30mm) diameter into suspended ceiling and secure the antenna with supplied plastic nut.

Included with antenna



Hard Ceiling Mounting Bracket

The hard ceiling mounting bracket makes an antenna installation on suspended ceilings without a second access hole possible. The hard ceiling mount adds 0.17" (4.5mm) to the total visible antenna height.

P/N: 62-37-09



Ordering & Antenna Options

| Part Number | Connector | Description |
|-----------------|-------------------------------|----------------------|
| 02121261-05606U | N-Type (F) | PEAR™ S5606i Antenna |
| 02125261-05606U | 4.1-9.5 DIN (F) | PEAR™ S5606i Antenna |
| 02130261-05606U | 4.3-10 DIN (F) | PEAR™ S5606i Antenna |
| 62-37-09 | Hard Ceiling Mounting Bracket | |