



The panel antenna I-ATP5-43-698/3800 is designed for broadband in-building DAS applications supporting all kind of safety as well as 4G and 5G commercial wireless communication networks. The antenna combines an aesthetical design with superior electrical characteristics notably a PIM optimized design to minimize network interferences. The antenna is constructed from lightweight materials ideal for easy ceiling mounting. The low profile and off-white radome blends easily into most building aesthetics with minimum visual impact.



I-ATP5-698/3800

**FEATURES / BENEFITS**

- Wideband omni antenna, supporting all wireless services in the frequency bands 698-960/1427-2700MHz/3400-3800MHz
- Typically used in indoor distribution of 2G/3G/4G/5G wireless services in all standardized frequency bands
- PIM optimized antenna design (-153dBc @2x20W)
- Aesthetical visual appearance, compact and light weight
- Low return loss, stable performance
- Pigtail with N female connector
- Ceiling mounting

**Technical features**

**GENERAL SPECIFICATIONS**

|                    |  |               |
|--------------------|--|---------------|
| Product Type       |  | Panel Antenna |
| Techn. Application |  | Indoor        |

**MECHANICAL SPECIFICATIONS**

|                            |         |                      |
|----------------------------|---------|----------------------|
| Number of Input Ports      |         | 1                    |
| Connectors                 |         | N female             |
| Connector Cable            | mm (in) | 300 (11.8)           |
| Mounting Hardware included |         | Wall bracket, screws |
| Height (Less Connectors)   | mm (in) | 180 (7.09)           |
| Width (Less Connectors)    | mm (in) | 170 (6.7)            |
| Length (Less Connectors)   | mm (in) | 60 (2.36)            |
| Weight                     | kg (lb) | 0.4 (0.88)           |

**ELECTRICAL SPECIFICATIONS**

| Frequency                    | MHz | 698 - 806           | 806 - 960 | 1427 - 1710 | 1710- 2700 | 3400- 4000 |
|------------------------------|-----|---------------------|-----------|-------------|------------|------------|
| Gain, typ.                   | dBi | 5.0 ± 1.0           | 6.0 ± 1.0 | 7.0 ± 1.0   | 7.0 ± 1.0  | 5.5 ± 0.5  |
| max. VSWR                    |     | 1.8                 | 1.8       | 1.8         | 1.8        | 1.8        |
| Beam width, Vertical, typ.   | °   | 73                  | 70        | 60          | 60         | 30         |
| Beam width, Horizontal, typ. | °   | 80                  | 80        | 65          | 60         | 55         |
| Front-To-Back-Ratio          | dB  | 5                   | 8         | 10          | 12         | 10         |
| Impedance, Ohm               | Ω   | 50                  |           |             |            |            |
| Polarization                 |     | Vertical            |           |             |            |            |
| Intermodulation (IM3)        |     | -153dBc (2 x 43dBm) |           |             |            |            |
| Total Input Power max.       | W   | 50                  |           |             |            |            |

**MATERIAL**

|                 |  |                 |
|-----------------|--|-----------------|
| Radome Material |  | ABS             |
| Radome Color    |  | White (RAL9003) |

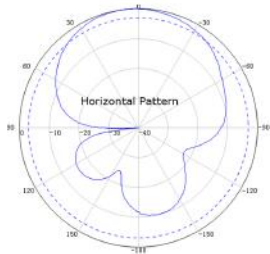


TEMPERATURE SPECIFICATIONS

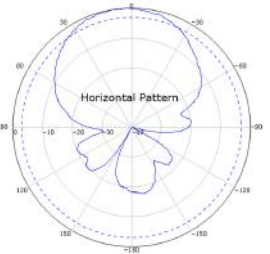
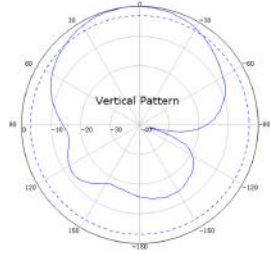
|                       |         |                         |
|-----------------------|---------|-------------------------|
| Operation Temperature | °C (°F) | -40 to 55 (-40 to 131 ) |
|-----------------------|---------|-------------------------|

TESTING AND ENVIRONMENTAL

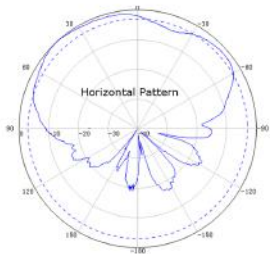
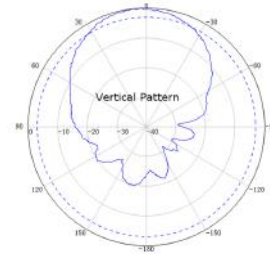
|                     |  |        |
|---------------------|--|--------|
| Environmental Class |  | Indoor |
|---------------------|--|--------|



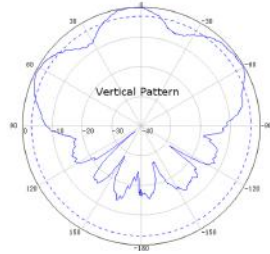
900 MHz



1880 MHz



3500 MHz



External Document Links

Notes