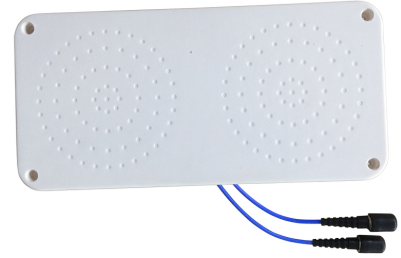




I-ATO5-43-698/3800M

Indoor Omnidirectional MIMO Antenna 698-3800 MHz

The omnidirectional MIMO antenna I-ATO5-43-698/3800M 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-ATO5-43-698/3800M

FEATURES / BENEFITS

- **Wideband omnidirectional MIMO 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 4.3-10 female connector**
- **Ceiling mounting**

Technical features

GENERAL SPECIFICATIONS

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

MECHANICAL SPECIFICATIONS

| | | |
|----------------------------|---------|---------------|
| Number of Input Ports | | 2 |
| Connectors | | 4.3-10 female |
| Connector Cable | mm (in) | 300 (11.8) |
| Height (Less Connectors) | mm (in) | 18 (0.7) |
| Diameter (Less Connectors) | mm (in) | 4.3 () |
| Width (Less Connectors) | mm (in) | 140 (5.5) |
| Length (Less Connectors) | mm (in) | 290 (11.4) |
| Weight | kg (lb) | 0.4 (0.18) |

ELECTRICAL SPECIFICATIONS

| | | | | | |
|------------------------|-----|----------------------|-----------|-----------|-----------|
| Frequenz | MHz | 698-960 | 1427-1710 | 1710-2700 | 3400-3800 |
| Gain, typ | dBi | 2.5 | 4.0 | 4.5 | 5.0 |
| VSWR | | 1.8 | 1.8 | 1.8 | 1.8 |
| Impedance, Ohm | Ω | 50 | | | |
| Polarization | | 2x linear | | | |
| Intermodulation (IM3) | | -153 dBc (2 x 43dBm) | | | |
| Total Input Power max. | W | 50 | | | |

MATERIAL

| | | |
|-----------------|--|--------------------|
| Radome Material | | ABS |
| Radome Color | | White (RAL 9003) |

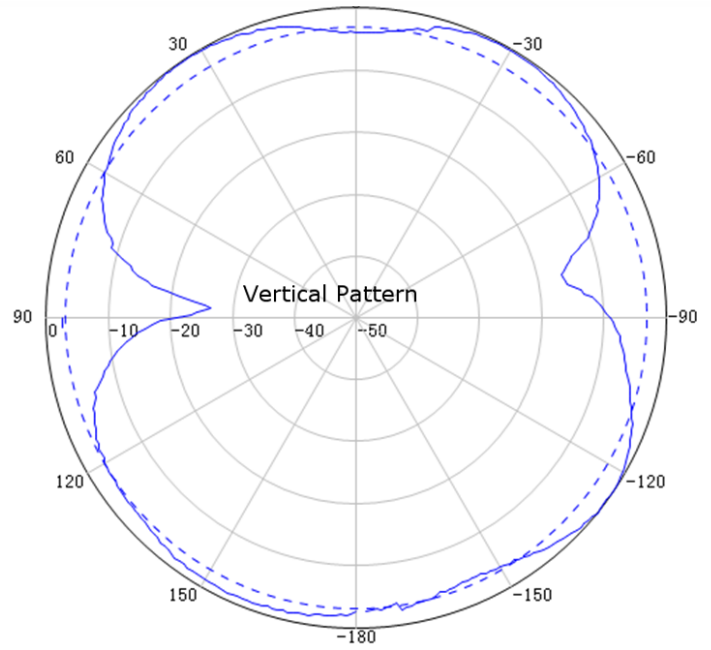
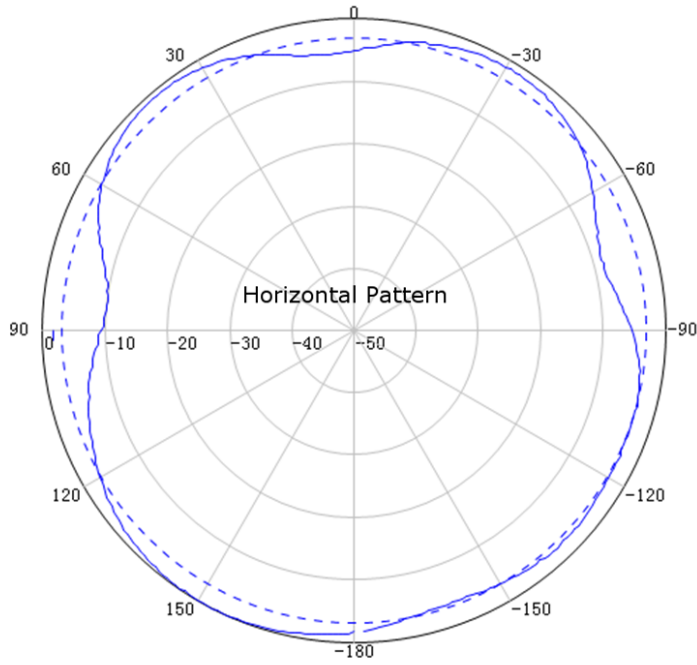


TEMPERATURE SPECIFICATIONS

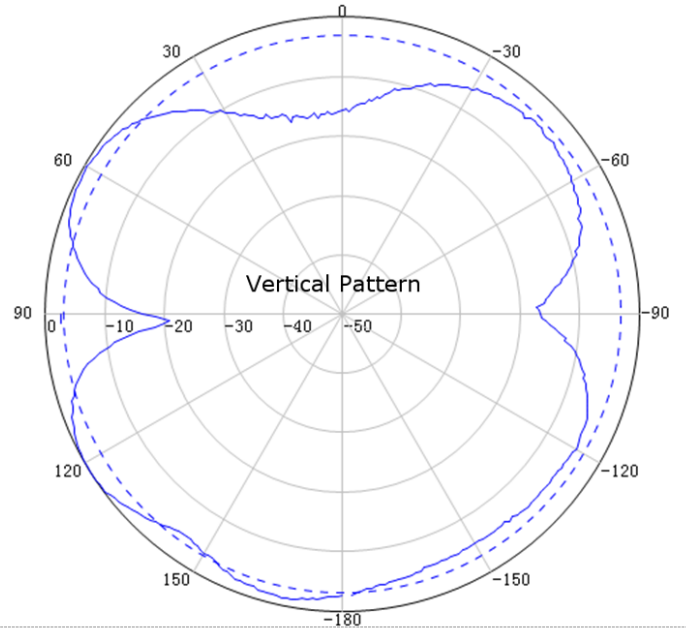
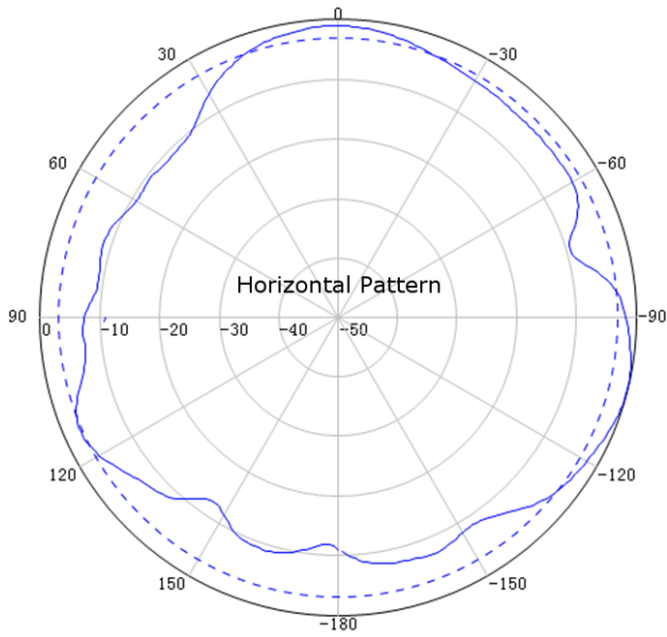
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|-----------------------|---------|-------------------------|
| Operation Temperature | °C (°F) | -40 to 55 (-40 to 131) |
|-----------------------|---------|-------------------------|

TESTING AND ENVIRONMENTAL

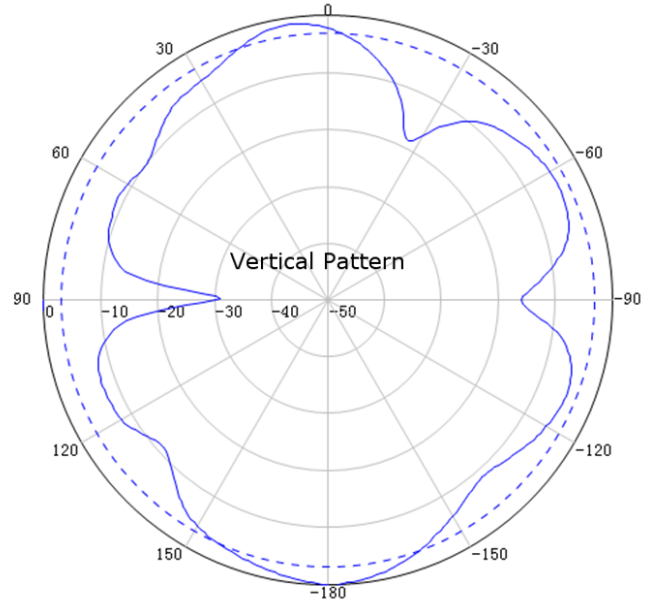
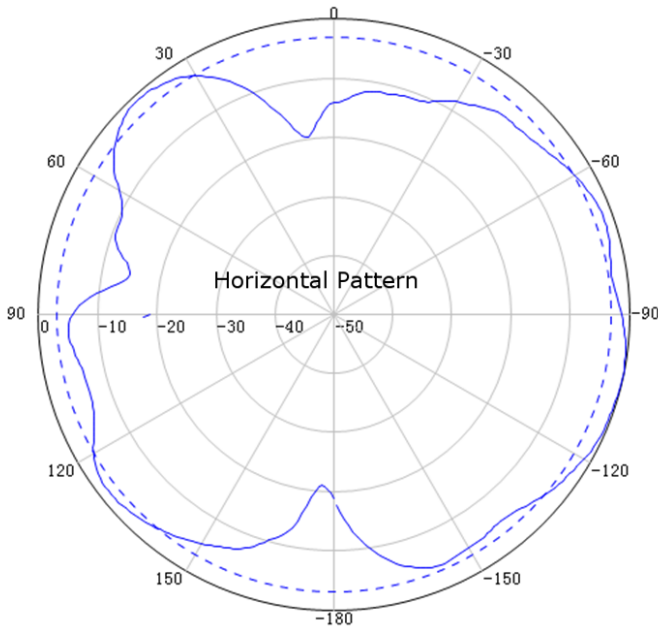
| | | |
|---------------------|--|--------|
| Environmental Class | | Indoor |
|---------------------|--|--------|



800 MHz



1710 MHz



2500 MHz



PRODUCT DATASHEET

I-ATO5-43-698/3800M

Indoor Omnidirectional MIMO Antenna 698-3800 MHz

External Document Links

Notes