

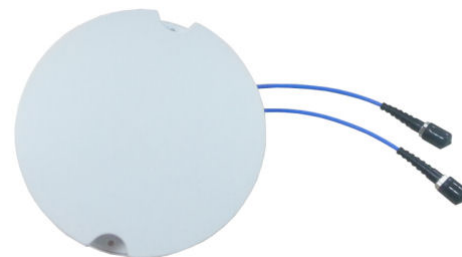


This omnidirectional antenna is designed for broadband in-building MIMO distribution of modern wireless communication systems as LTE, GSM, CDMA, PCS, 3G, WiFi, WLAN services. The antenna ensures highest performance for in-building passive DAS MIMO applications avoiding passive intermodulation products due to the PIM optimized design.

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.

FEATURES / BENEFITS

- Wideband omnidirectional antenna supporting all wireless services in the frequency bands 698-960/1710-2700MHz
- PIM optimized antenna design (150dBc @2x20W)
- Aesthetical visual appearance, compact and light weight
- Low loss pigtail with 4.3-10 female connector
- Ideal for 4G LTE multi-band MIMO applications



I-ATO5-43-698/2700M

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 (11.81) |
| Height (Less Connectors) | mm (in) | 40 (1.57) |
| Diameter (Less Connectors) | mm (in) | 218 (8.58) |
| Width (Less Connectors) | mm (in) | 4.3 () |
| Length (Less Connectors) | mm (in) | 4.3 () |
| Weight | kg (lb) | 0.5 (1.1) |

ELECTRICAL SPECIFICATIONS

| | | | |
|---------------------------|-----|-----------|-----------|
| Frequenz | MHz | 698-960 | 1710-2700 |
| Gain, typ. | dBi | 3.5 | 5.0 |
| VSWR | | 2.0 | 2.0 |
| Beamwidth, Vertical, typ. | ° | 60 - 90 | 30-65 |
| Impedance, Ohm | Ω | 50 | |
| Polarization | | Linear x2 | |
| Intermodulation (IM3) | | -150 dBc | |
| Total Input Power max. | W | 50 | |

MATERIAL

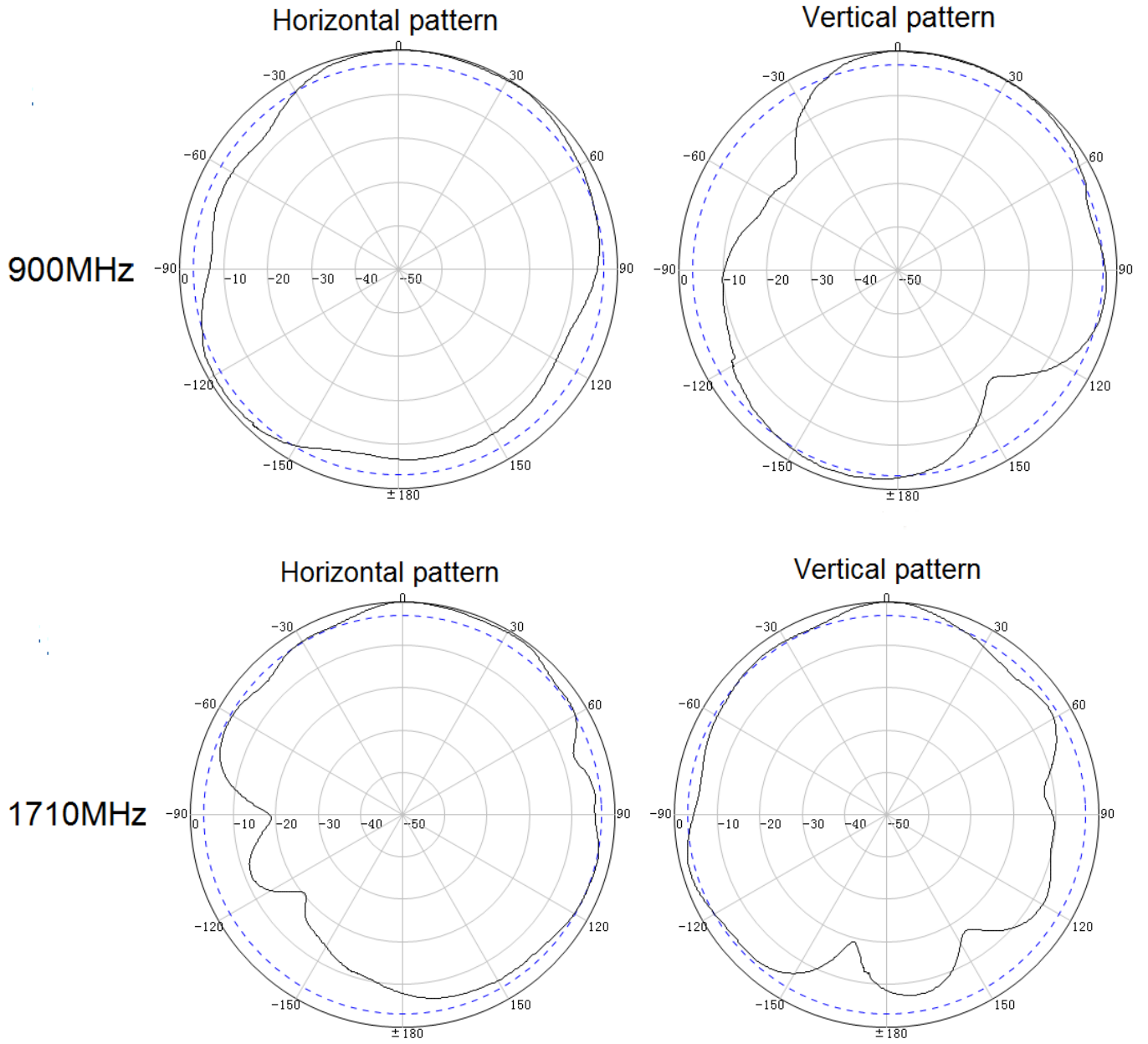
| | | |
|-----------------|--|------------------|
| Radome Material | | ABS |
| Radome Color | | White (RAL 9003) |

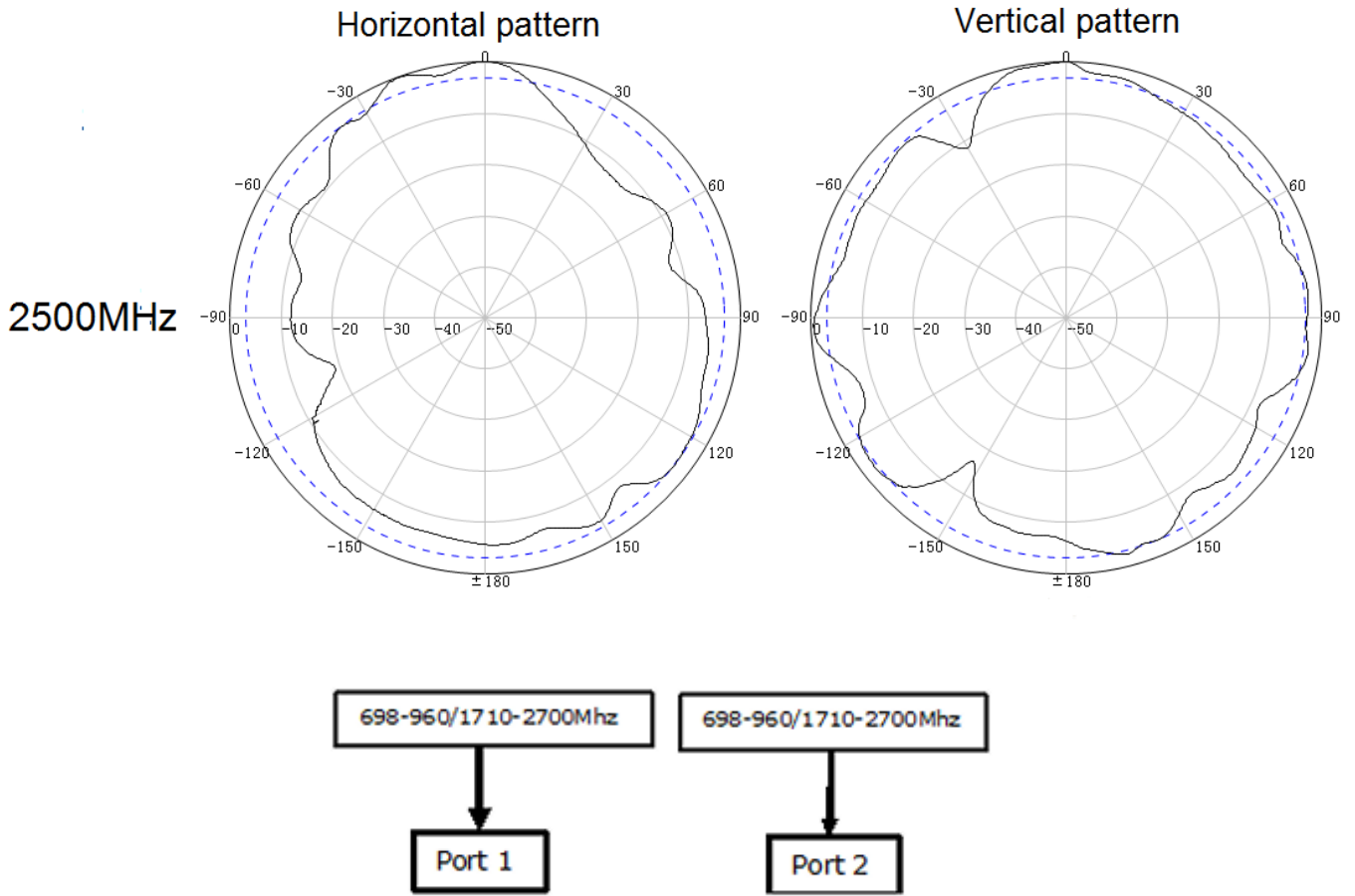
TEMPERATURE SPECIFICATIONS

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

TESTING AND ENVIRONMENTAL

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





External Document Links

Notes

Ceiling mounting via hole (standard)

Typical isolation between polarizations: >17dB (698-960MHz), >20dB (1710-2700MHz)