



The omnidirectional antenna I-ATO5-43-380/2700 is designed for broadband in-building DAS applications supporting all kind of safety and 4G 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.

FEATURES / BENEFITS

- Wideband omnidirectional antenna, supporting all wireless services in the frequency bands 380-520 / 698-960/ 1710-2700MHz
- Aesthetical visual appearance, compact and light weight
- Indoor distribution of safety and commercial wireless services
- PIM optimized antenna design (140dBc @2x20W)
- Easy installation, ceiling mounting



I-ATO5-43-380/2700

Technical features

GENERAL SPECIFICATIONS

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

MECHANICAL SPECIFICATIONS

| | | |
|----------------------------|---------|-------------------|
| Number of Input Ports | | 1 |
| Connectors | | 4.3-10 female |
| Connector Cable | mm (in) | 300 (11.81) |
| Mounting Hardware included | | Ceiling, via hole |
| Height (Less Connectors) | mm (in) | 18 (0.709) |
| Diameter (Less Connectors) | mm (in) | 266 (10.47) |
| Width (Less Connectors) | mm (in) | 4.3 () |
| Length (Less Connectors) | mm (in) | 4.3 () |
| Weight | kg (lb) | 0.4 (0.88) |

ELECTRICAL SPECIFICATIONS

| | | | | |
|-------------------------------|-----|------------|-----------|-----------|
| Frequenz | MHz | 380-520 | 698-960 | 1710-2700 |
| Gain | dBi | 2.0 ± 1.0 | 2.2 ± 1.0 | 4.5 ± 1.0 |
| VSWR | 2.5 | 2.0 | | 2.0 |
| Intermodulation (IM3) (2x20W) | dBc | / | 140dBc | 140dBc |
| Impedance, Ohm | Ω | 50 | | |
| Polarization | | Horizontal | | |
| Total Input Power max. | W | 50 | | |

MATERIAL

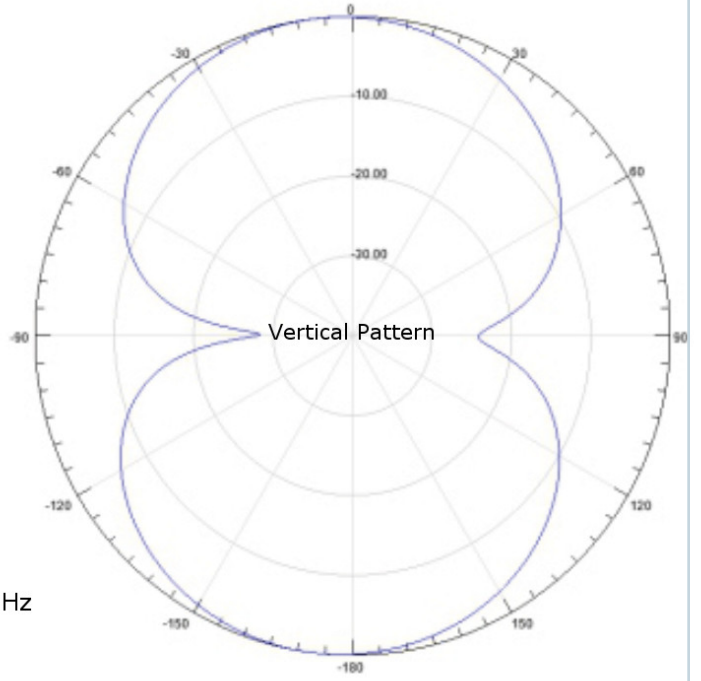
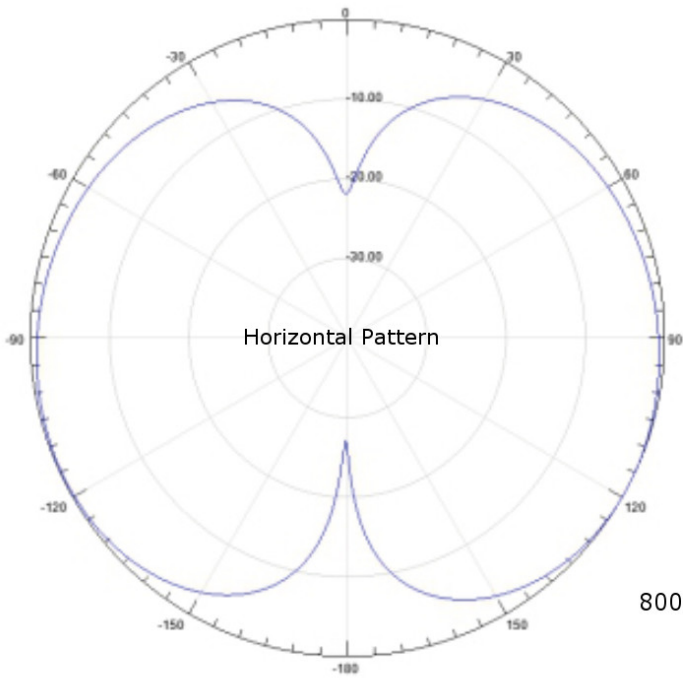
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|-----------------|--|--------------------|
| Radome Material | | ABS |
| Radome Color | | White (RAL 9003) |

TEMPERATURE SPECIFICATIONS

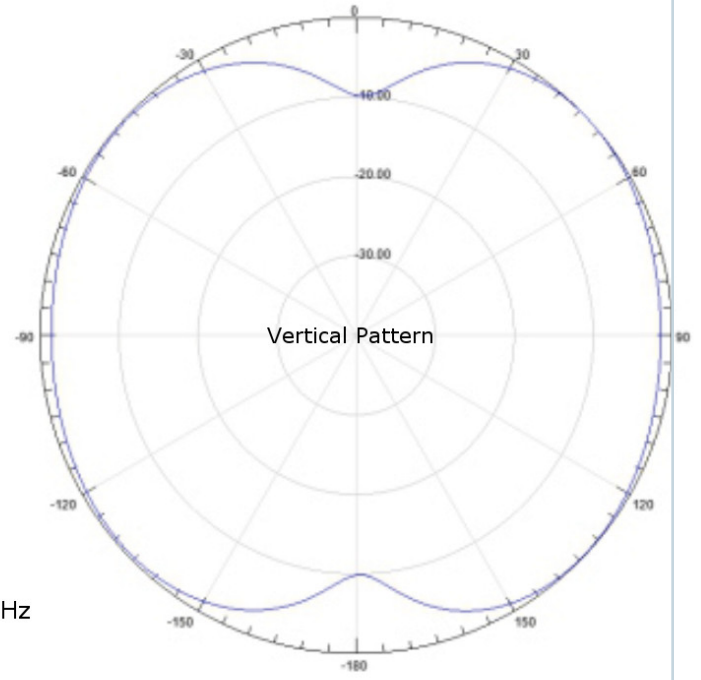
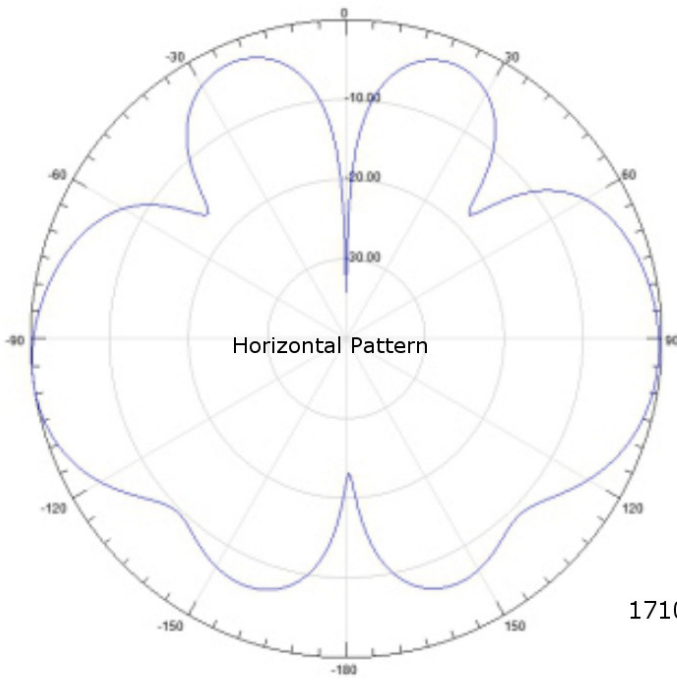
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|-----------------------|---------|-------------------------|
| Operation Temperature | °C (°F) | -40 to 55 (-40 to 131) |
|-----------------------|---------|-------------------------|

TESTING AND ENVIRONMENTAL

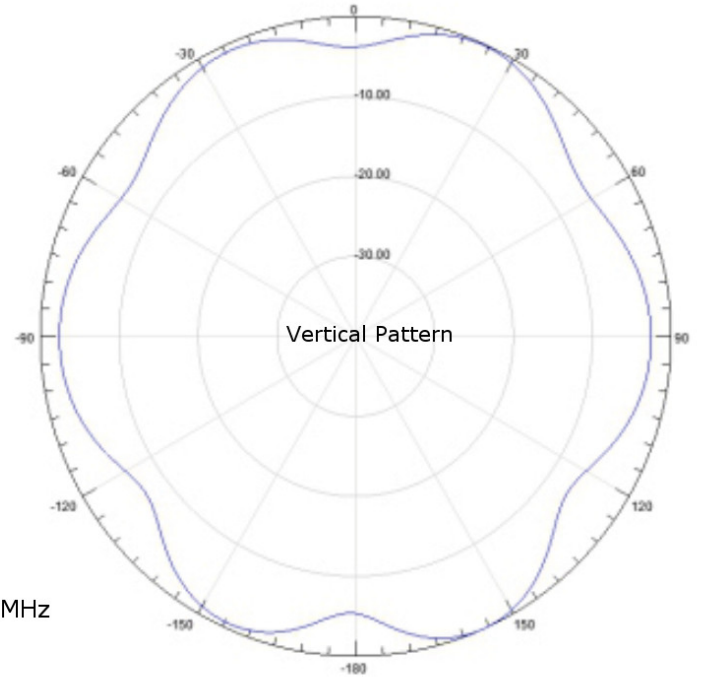
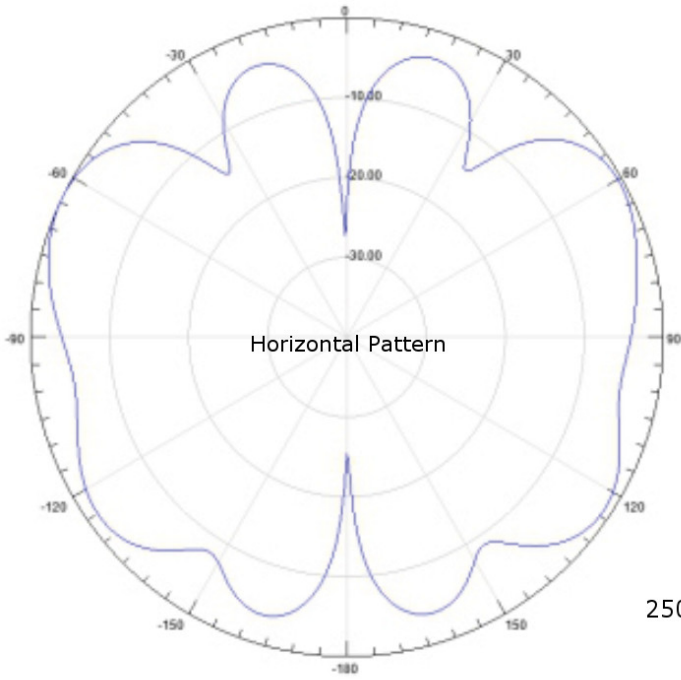
| | | |
|---------------------|--|------|
| Environmental Class | | IP65 |
|---------------------|--|------|



800 MHz



1710 MHz



2500 MHz

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