



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**

<b>Product Type</b>		Omnidirectional Antenna
<b>Techn. Application</b>		Indoor

**MECHANICAL SPECIFICATIONS**

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

**ELECTRICAL SPECIFICATIONS**

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

**MATERIAL**

<b>Radome Material</b>		ABS
<b>Radome Color</b>		White ( RAL 9003 )

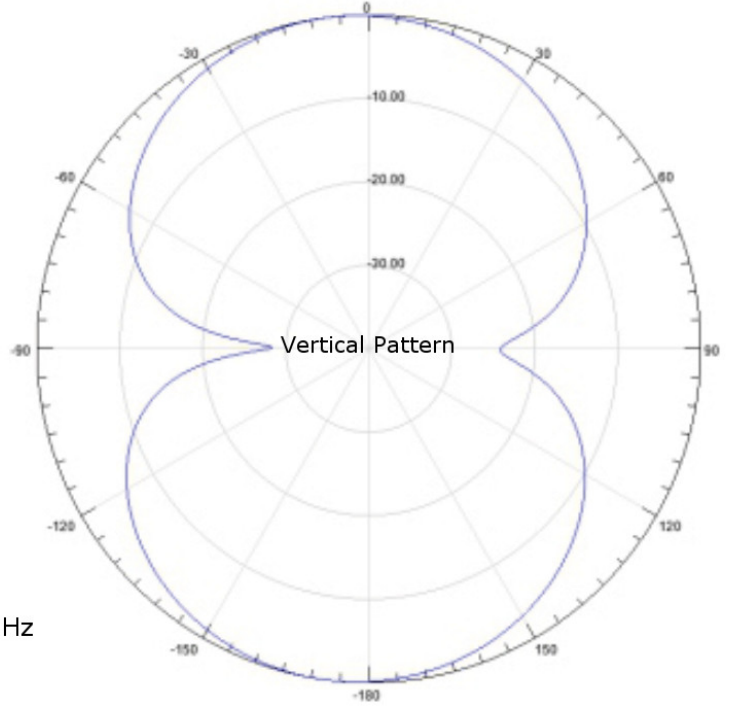
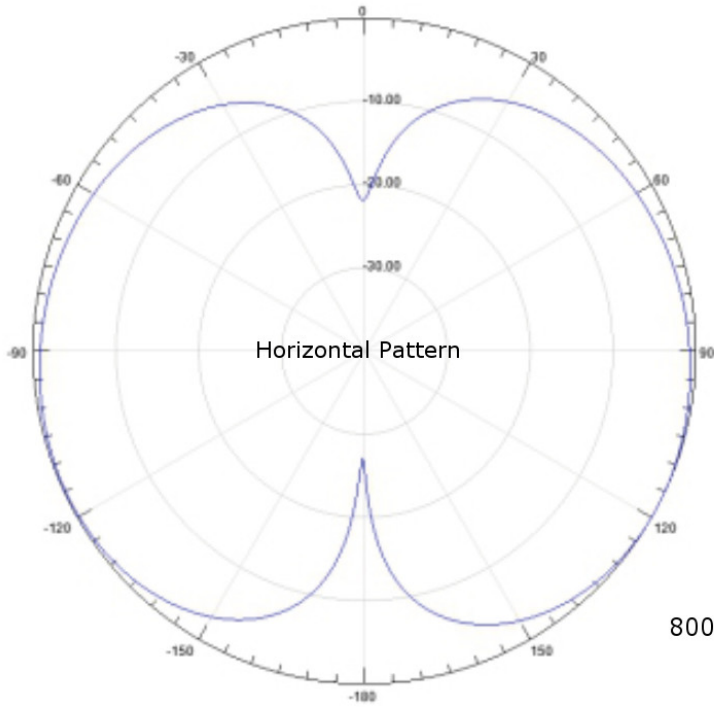


TEMPERATURE SPECIFICATIONS

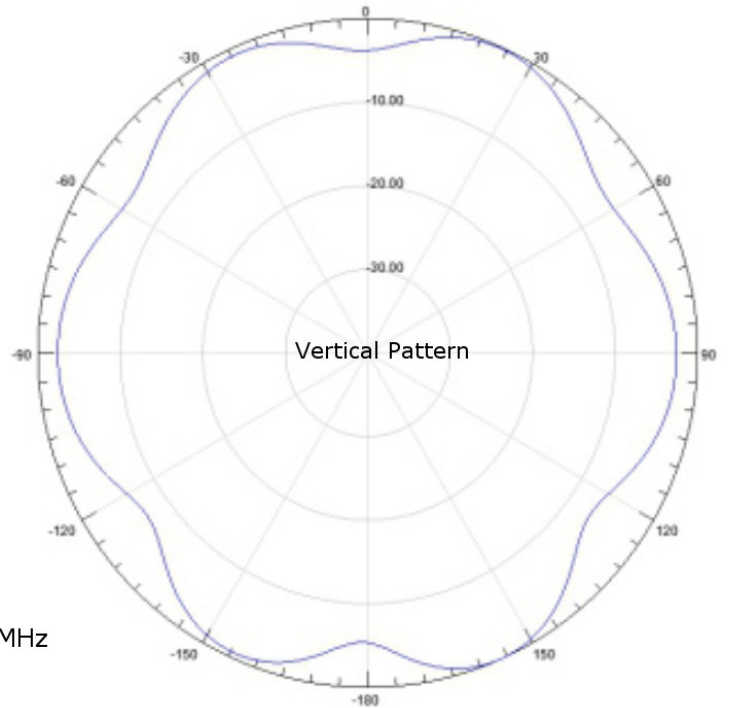
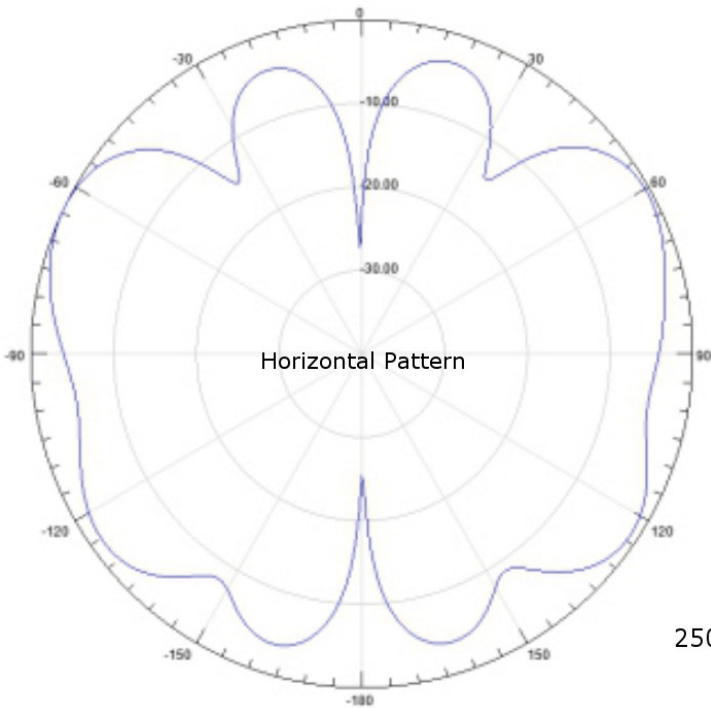
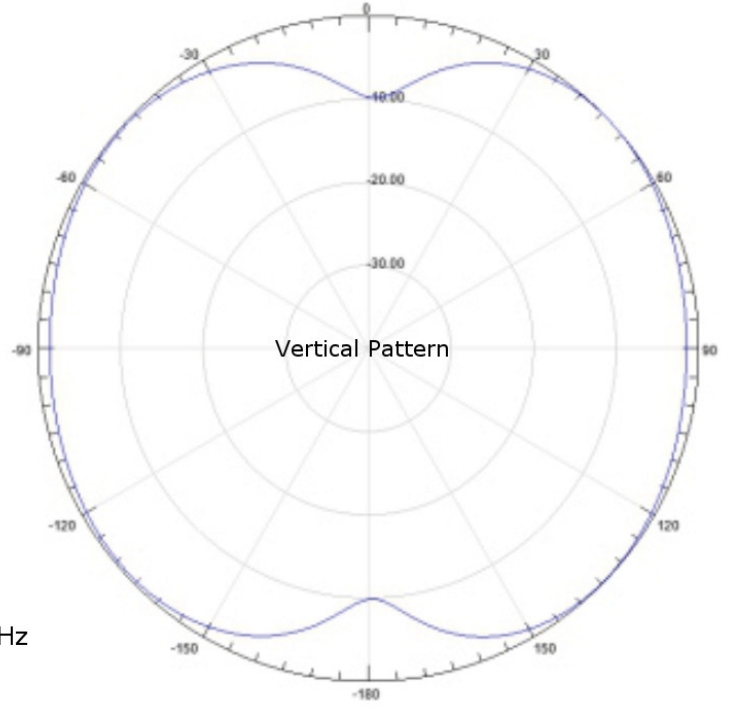
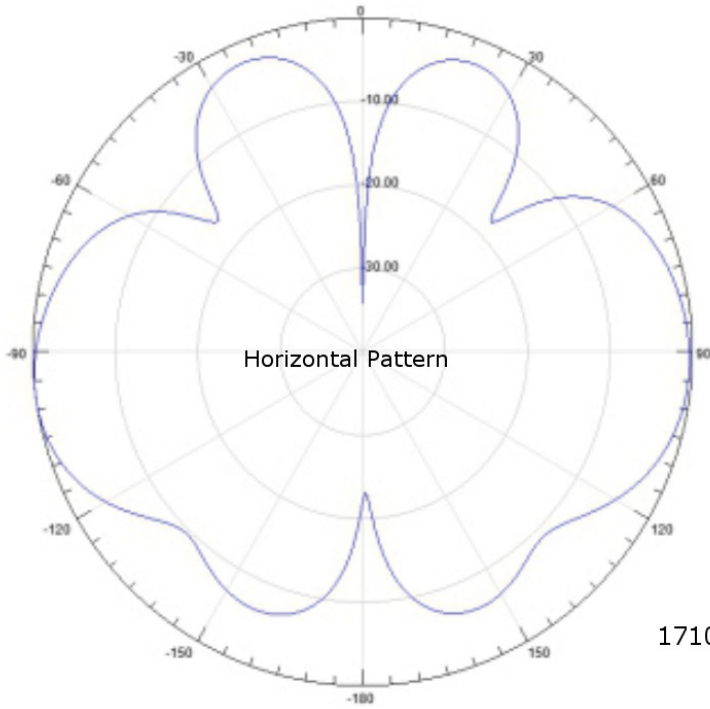
Operation Temperature	°C (°F)	-40 to 55 (-40 to 131 )
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TESTING AND ENVIRONMENTAL

Environmental Class		IP65
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800 MHz





External Document Links

Notes