I-ATO5-380/2700

Indoor Omnidirectional Antenna 380-2700 MHz

The omnidirectional antenna I-ATO5-380/2700 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-ATO5-380/2700

Technical features

GENERAL SPECIFICATIONS

Product Type		Omnidirectional Antenna		
Techn. Application		Indoor		

MECHANICAL SPECIFICATIONS

Number of Input Ports		1		
Connectors		N 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)		
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

Radome Material		ABS		
Radome Color		White (RAL 9003)		

TEMPERATURE SPECIFICATIONS

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

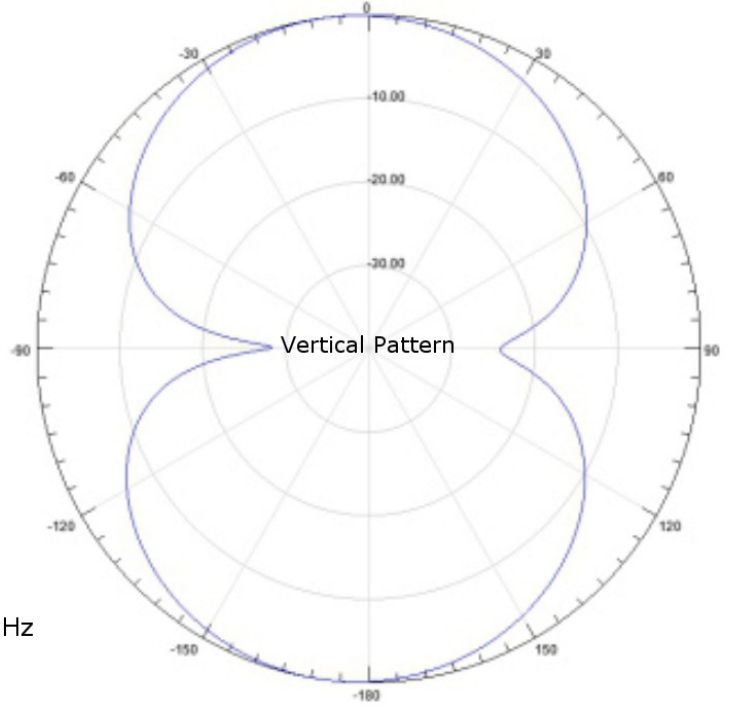All values nominal unless tolerances provided; information contained in the present datasheet is subject to confirmation at time of ordering

TESTING AND ENVIRONMENTAL

Environmental Class		IP65

Horizontal Pattern

Vertical Pattern

800 MHz

All values nominal unless tolerances provided; information contained in the present datasheet is subject to confirmation at time of ordering

Horizontal Pattern

Vertical Pattern

1710 MHz

Horizontal Pattern

Vertical Pattern
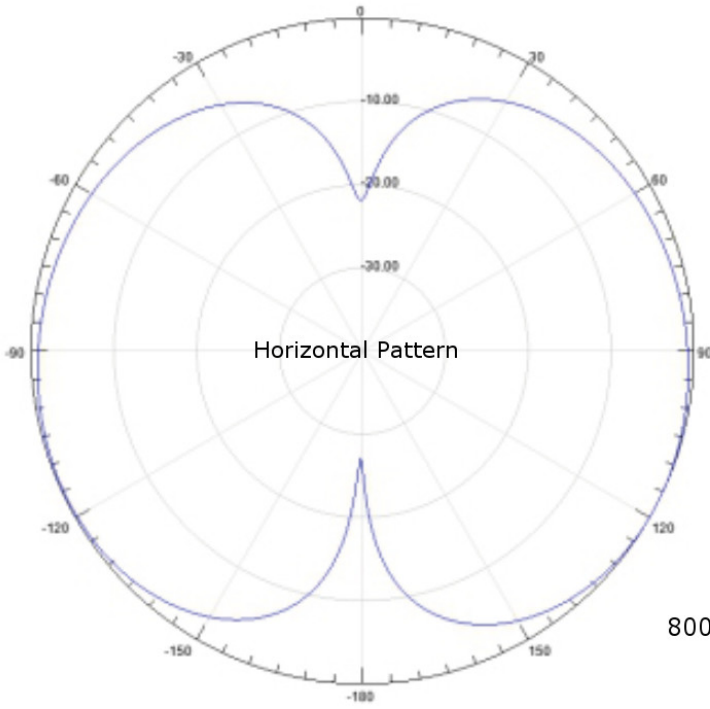
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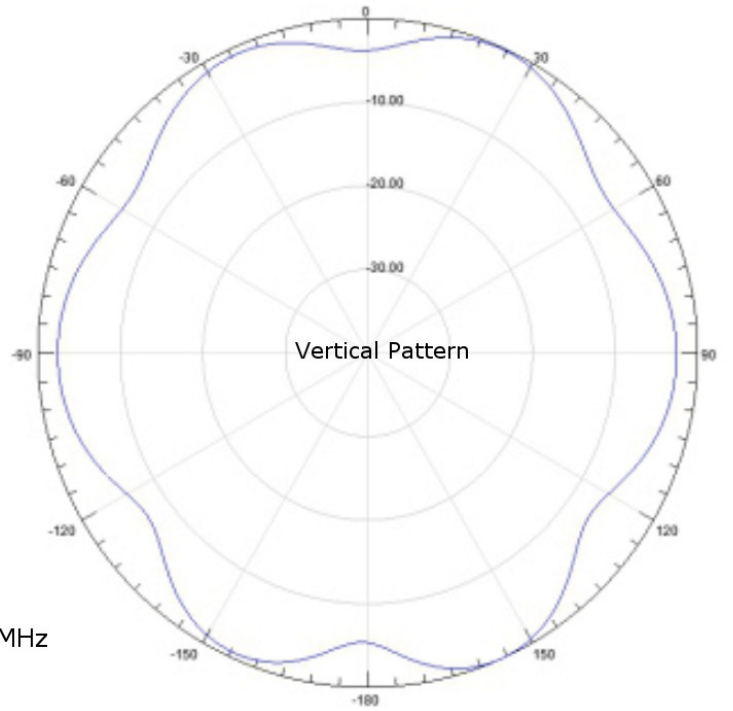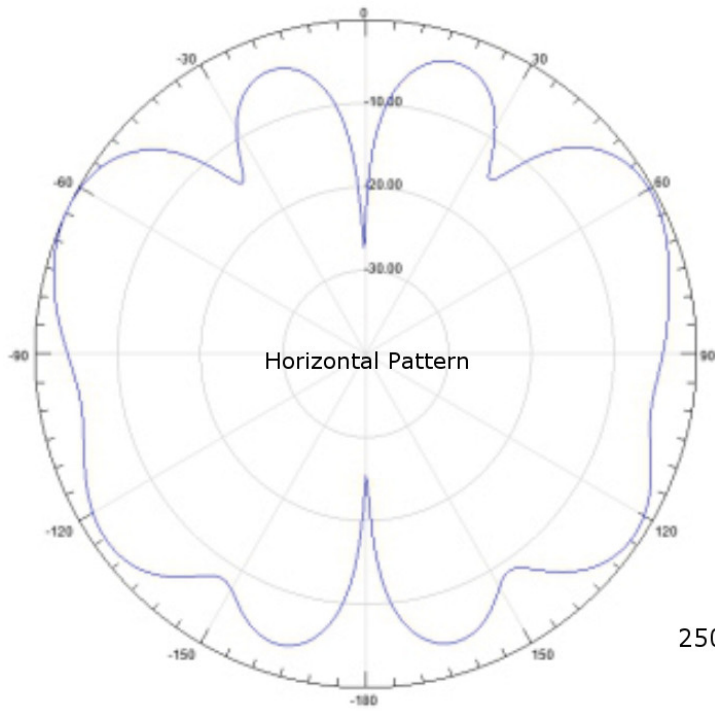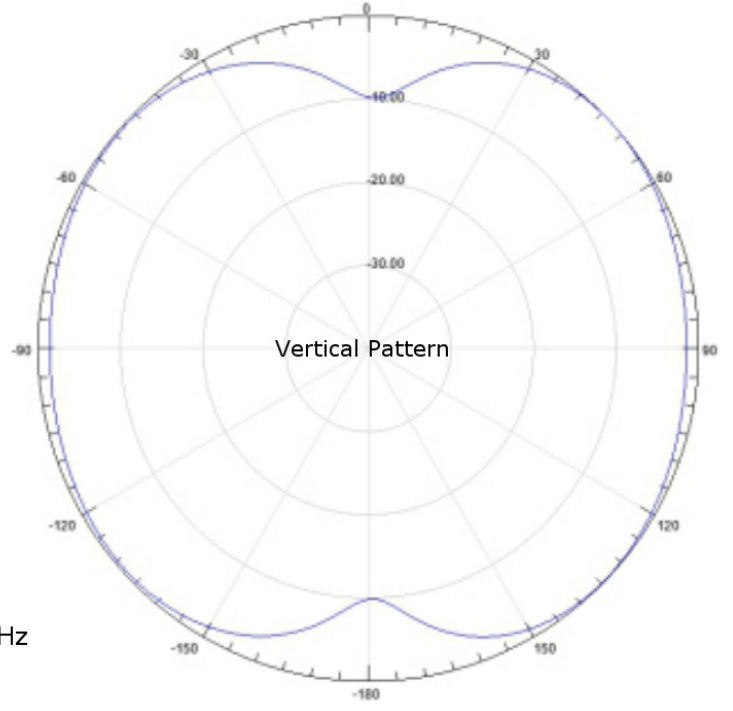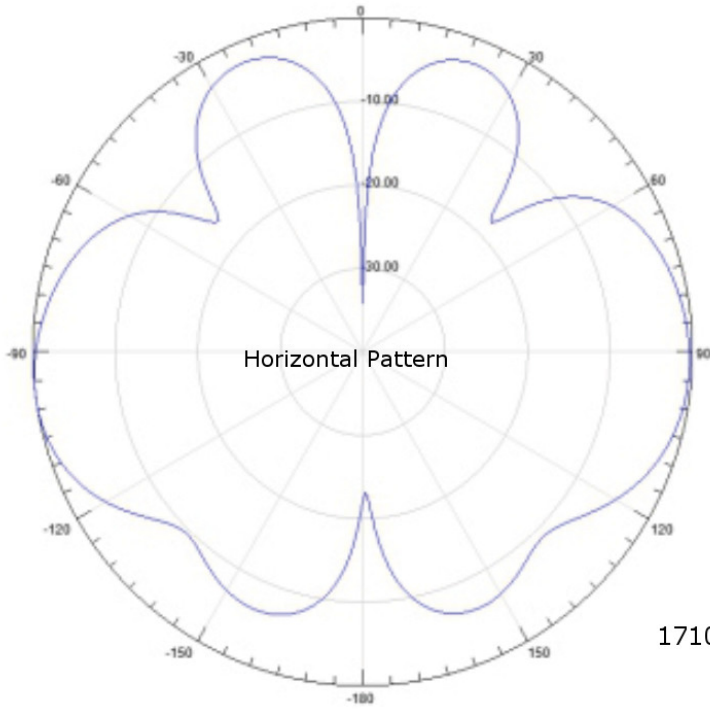
External Document Links

Notes