



The omnidirectional antenna I-ATO5-698/4000 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.

**FEATURES / BENEFITS**

- **Wideband omni antenna, supporting all wireless services in the frequency bands 698-960/ 1350-1710MHz / 1710-2700MHz/3400-4000MHz**
- **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 N female connector**
- **Ceiling mounting**



I-ATO5-698/4000

**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>		N female
<b>Connector Cable</b>	mm (in)	300 (11.81)
<b>Mounting Hardware included</b>		mountig clamp
<b>Height (Less Connectors)</b>	mm (in)	18 (0.709)
<b>Diameter (Less Connectors)</b>	mm (in)	220 (8.66)
<b>Weight</b>	kg (lb)	0.3 (0.66)

**ELECTRICAL SPECIFICATIONS**

<b>Frequenz</b>	MHz	698-806	806-960	1350 - 1710	1710 - 2700	3400 - 4000
<b>Gain, typ</b>	dBi	2.2	3.5	4.0	4.5	6.0
<b>VSWR</b>		1.5	1.5	1.8	1.5	1.5
<b>Impedance, Ohm</b>	Ω	50				
<b>Polarization</b>		Horizontal				
<b>Intermodulation (IM3)</b>		-153 dBc				
<b>Total Input Power max.</b>	W	50				

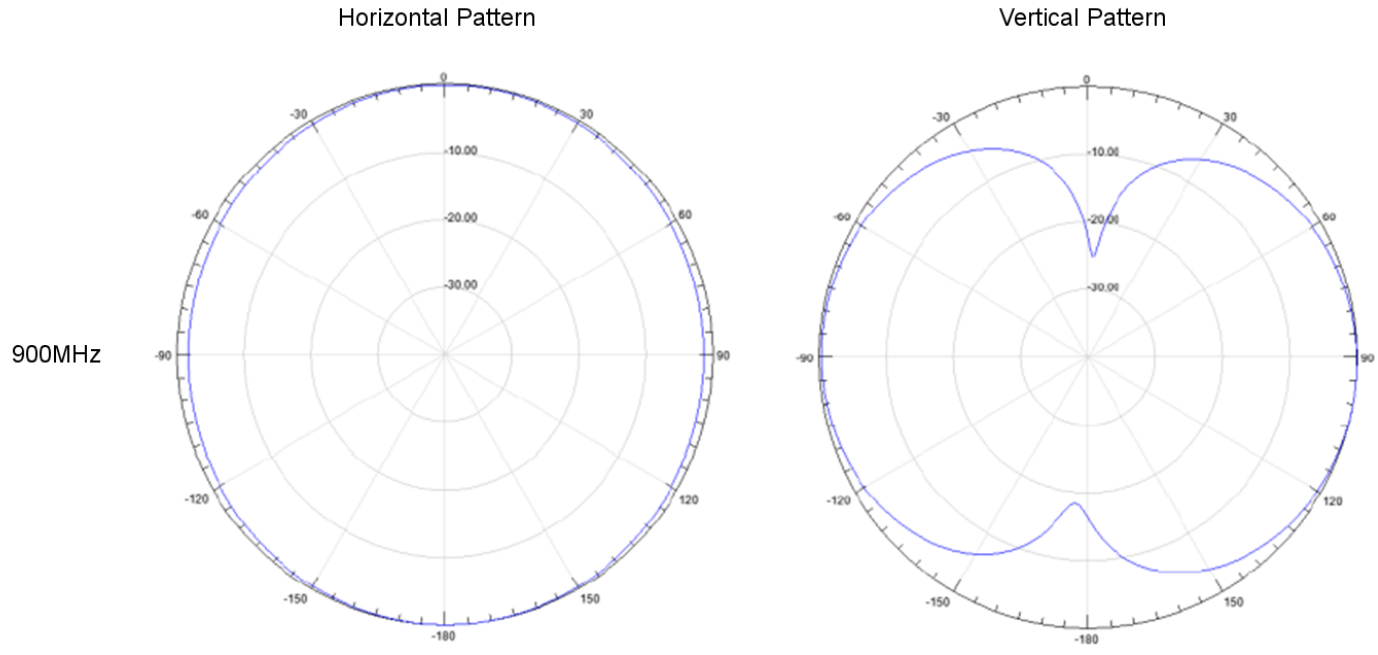
**MATERIAL**

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



**TEMPERATURE SPECIFICATIONS**

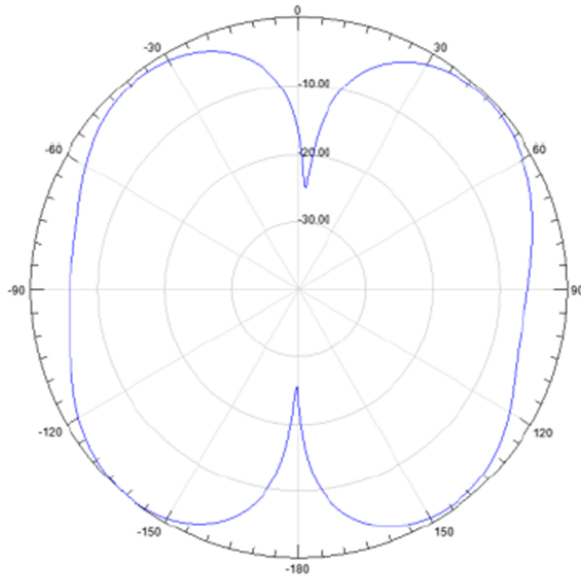
<b>Operation Temperature</b>	°C (°F)	-40 to 55 (-40 to 131 )
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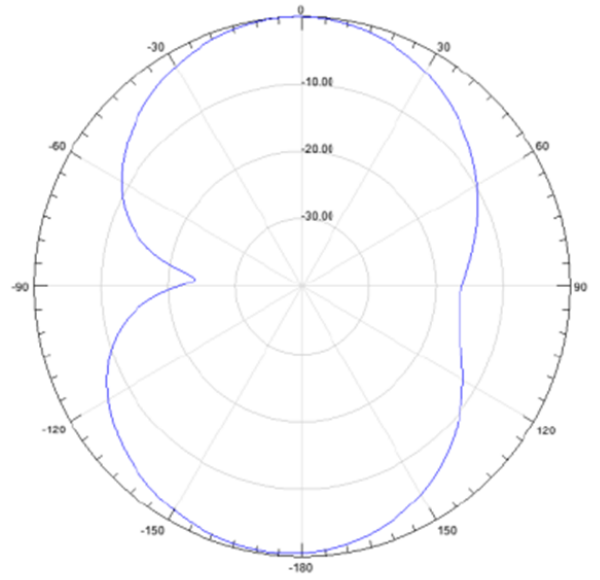


1710MHz

Horizontal Pattern

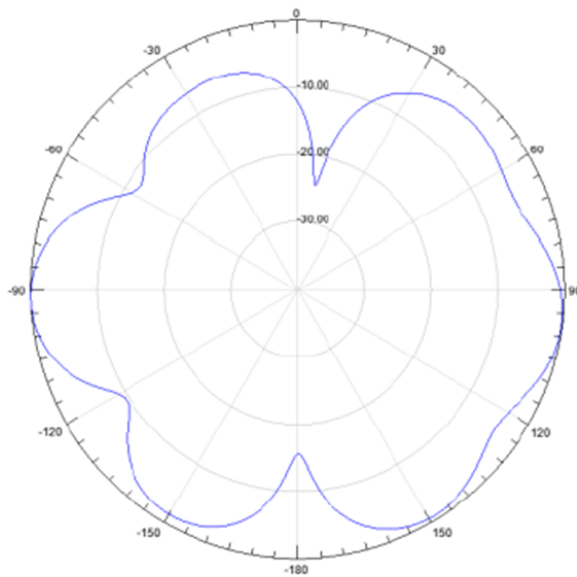


Vertical Pattern

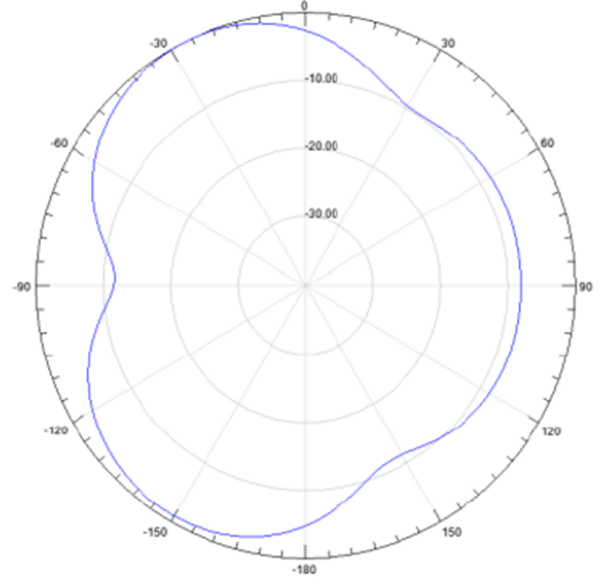


2500MHz

Horizontal Pattern



Vertical Pattern





External Document Links

Notes