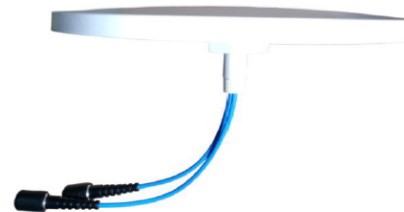




The omnidirectional antenna I-ATO5-698/4000M-02 is designed for broadband in-building 4G and 5G commercial wireless DAS networks. The antenna combines an aesthetical design with superior electrical characteristics notably a PIM optimized design to minimize network interferences. The antenna is constructed 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 698-960 / 1350-1550 / 1710-2700 / 3300-4000MHz
- 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 loss pigtail with 4.3-10 female connectors
- Ideal for 4G/5G multi-band MIMO applications



I-ATO5-43-698-4000M-02

**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 (1.81)
Height (Less Connectors)	mm (in)	18 (0.71)
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)	0.5 (1.1)

**ELECTRICAL SPECIFICATIONS**

Frequenz	MHz	698-806	806-960	1350-1550	1710-2700	3300-4000
Gain, typ.	dBi	1.5±0.5	2.2±0.8	3.5±1.0	4.5±1.0	6.0±1.5
VSWR		1.8	1.8	2.0	1.8	1.8
Isolation	dB	16	16	15	20	25
Impedance, Ohm	Ω	50				
Polarization		Linear Horizontal				
Intermodulation (IM3)		-153 dBc				
Total Input Power max.	W	50				

**MATERIAL**

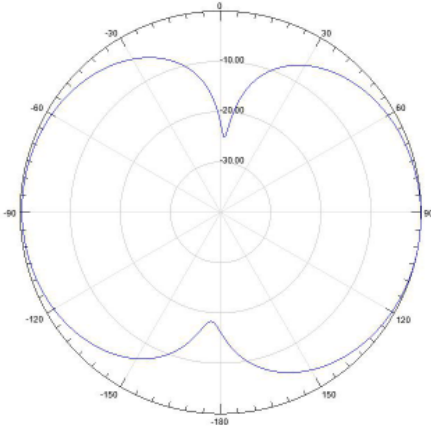
Radome Material		ABS
Radome Color		White (RAL 9003)

**TEMPERATURE SPECIFICATIONS**

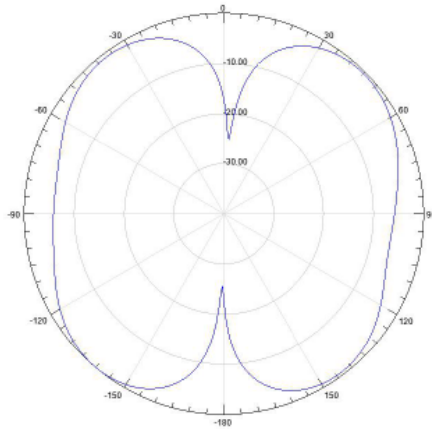
Operation Temperature	°C (°F)	-40 to 55 (-40 to 131 )
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**TESTING AND ENVIRONMENTAL**

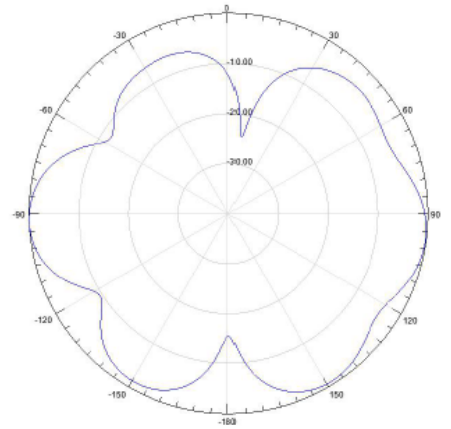
Environmental Class		Indoor
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900MHz

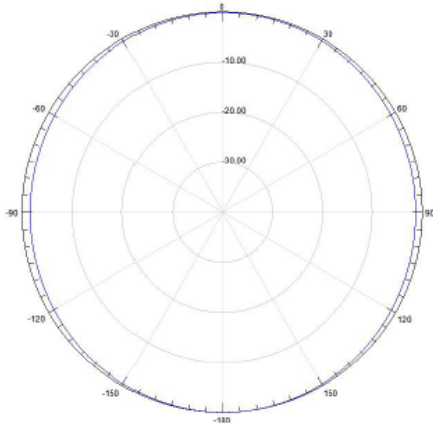


1710MHz

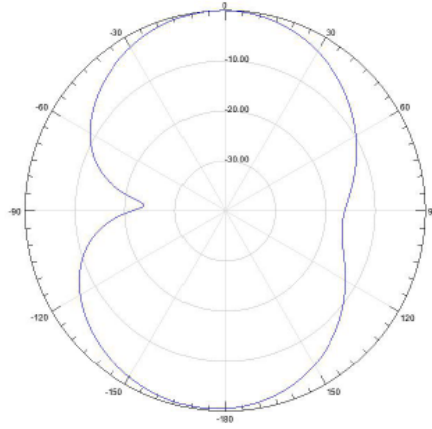


2500MHz

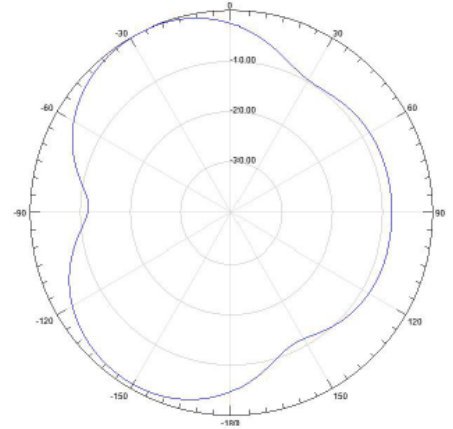
Horizontal Pattern



900MHz



1710MHz



2500MHz

Vertical Pattern

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[Notes](#)