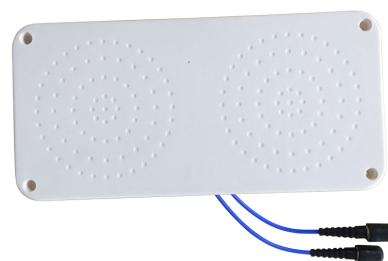




The omnidirectional MIMO antenna I-ATO5-43-698/3800M is designed for broadband in-building DAS applications supporting all kind of safety as well as 4G and 5G commercial wireless communication networks. The antenna combines an aesthetical design with superior electrical characteristics notably a PIM 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 omnidirectional MIMO antenna, supporting all wireless services in the frequency bands 698-960/1427-2700MHz/3400-3800MHz
- 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 4.3-10 female connector
- Ceiling mounting



I-ATO5-43-698/3800M

**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 (11.8)
Height (Less Connectors)	mm (in)	18 (0.7)
Diameter (Less Connectors)	mm (in)	4.3 ( )
Width (Less Connectors)	mm (in)	140 (5.5)
Length (Less Connectors)	mm (in)	290 (11.4)
Weight	kg (lb)	0.4 (0.18)

**ELECTRICAL SPECIFICATIONS**

Frequenz	MHz	698-960	1427-1710	1710-2700	3400-3800
Gain, typ	dBi	2.5	4.0	4.5	5.0
VSWR	1.8	1.8	1.8	1.8	1.8
Impedance, Ohm	Ω	50			
Polarization		2x linear			
Intermodulation (IM3)		-153 dBc (2 x 43dBm)			
Total Input Power max.	W	100			

**MATERIAL**

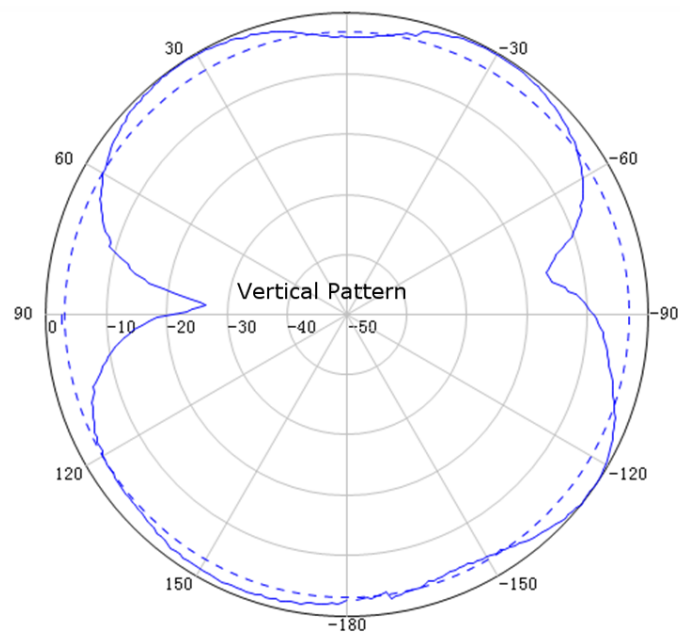
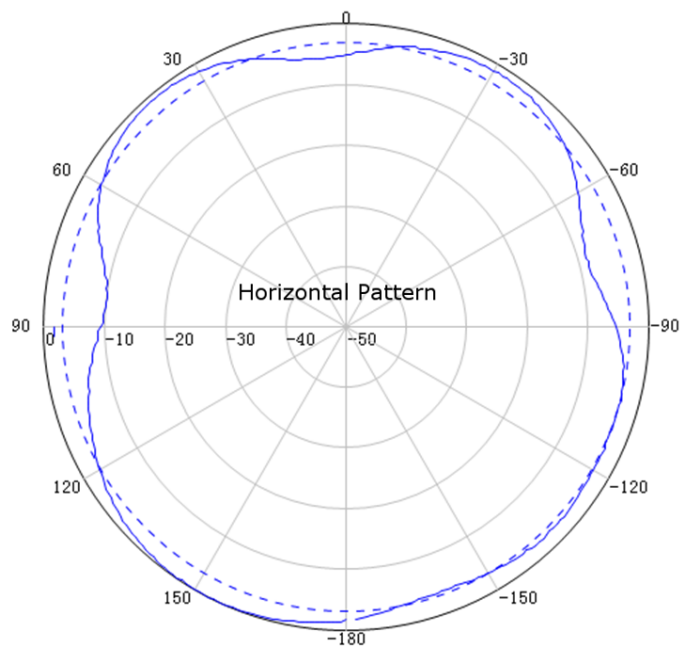
Radome Material		ABS
Radome Color		White ( RAL 9003 )

**TEMPERATURE SPECIFICATIONS**

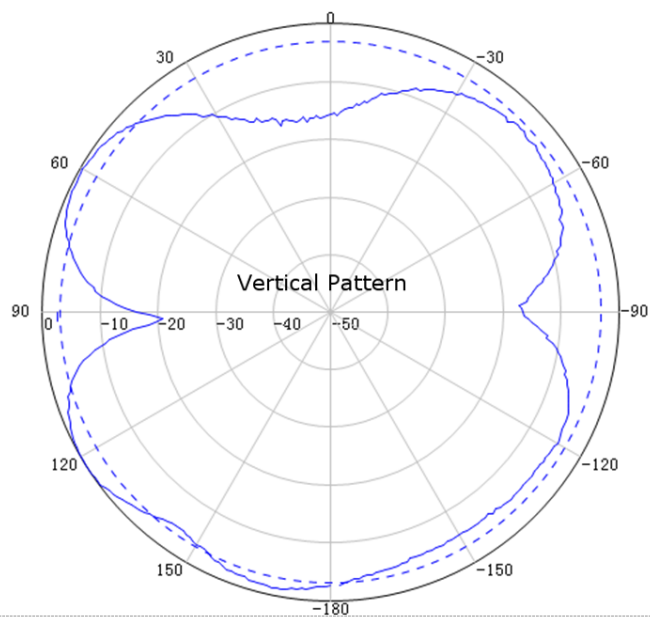
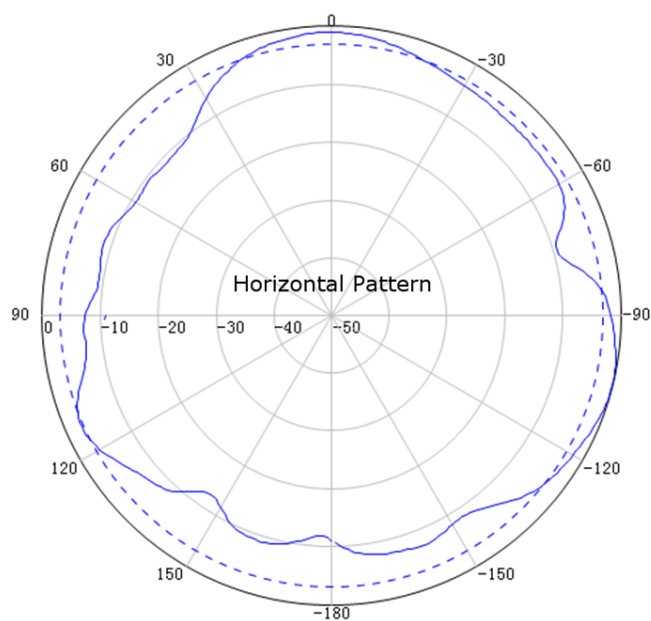
Operation Temperature	°C (°F)	-40 to 55 (-40 to 131 )
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**TESTING AND ENVIRONMENTAL**

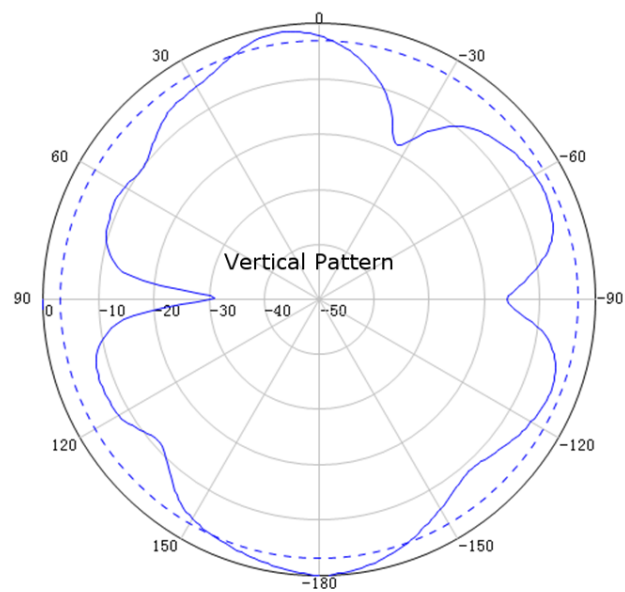
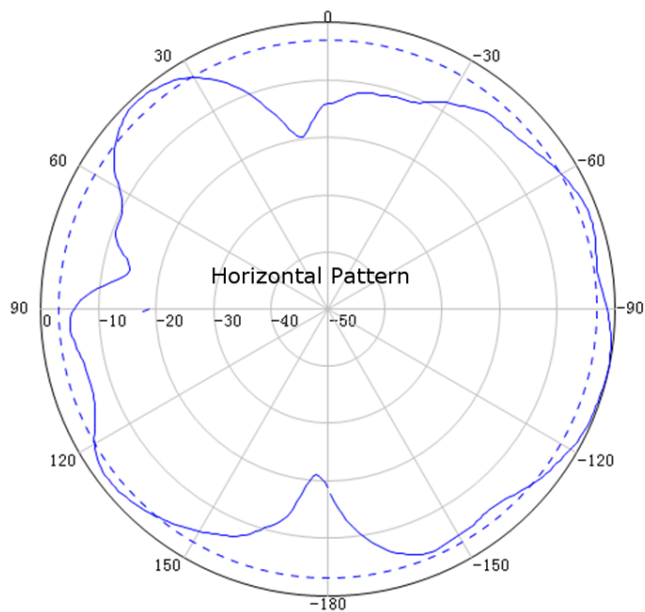
Environmental Class		Indoor
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800 MHz



1710 MHz



2500 MHz

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