



The omnidirectional antenna I-ATO5-617/6000 is designed for broadband in-building DAS applications supporting public safety, 4G/5G commercial wireless communication networks and WiFi/WLAN in all bands.

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 617-806 / 806-960 / 1350-1550 / 1690-2700 / 3300-3800 / 4900-6000MHz**
- **Aesthetical visual appearance, compact and light weight**
- **Indoor distribution of public safety, commercial wireless services and WiFi/WLAN**
- **PIM optimized antenna design (up to 153dBc @2x20W)**
- **Easy installation, ceiling mounting**



I-ATO5-43-617/6000

**Technical features****GENERAL SPECIFICATIONS**

Product Type		Omnidirectional Antenna
Techn. Application		Indoor

**MECHANICAL SPECIFICATIONS**

Number of Input Ports		1
Connectors		4.3-10 female
Connector Cable	mm (in)	300 (11.81)
Mounting Hardware included		Ceiling, via hole
Height (Less Connectors)	mm (in)	18 (0.71)
Diameter (Less Connectors)	mm (in)	220 (8.66)
Weight	kg (lb)	0.3 (0.66)

**ELECTRICAL SPECIFICATIONS**

Frequenz	MHz	617-806	806-960	1350-1550	1690-2700	3300-3800	4900-6000
Gain	dBi	1.5±0.5	2.2±0.5	3.5±0.5	4.5±1.0	6.0±1.0	6.0±1.0
VSWR	max	1.8	1.8	1.8	1.8	1.8	1.8
Intermodulation (IM3) (2x20W)	dBc	≤-153dBc	≤-153dBc	≤-153dBc	≤-153dBc	≤-153dBc	≤-153dBc
Impedance, Ohm	Ω	50					
Polarization		Horizontal					
Total Input Power max.	W	100					

**MATERIAL**

Radome Material		ABS
Radome Color		White ( RAL 9003 )

**TEMPERATURE SPECIFICATIONS**

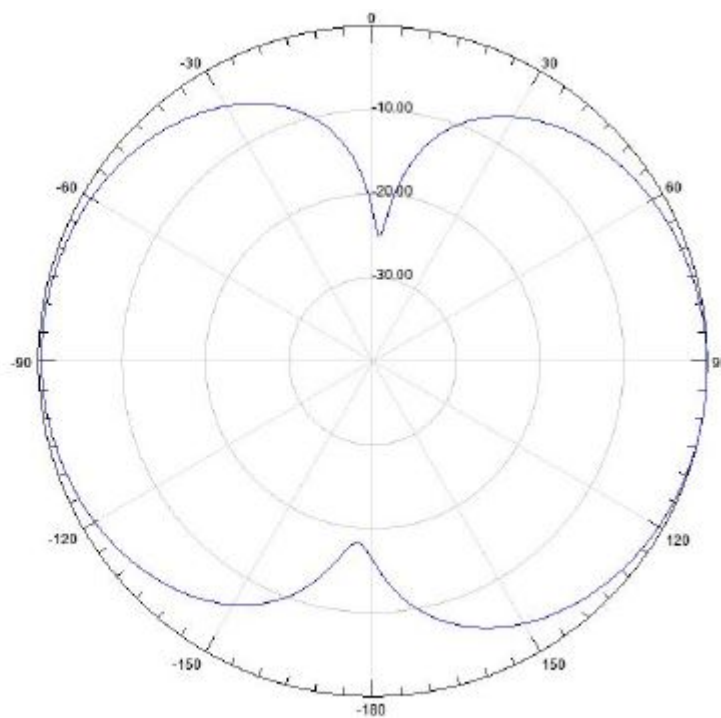
Operation Temperature	°C (°F)	-55 to 60 (-67 to 140 )
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**TESTING AND ENVIRONMENTAL**

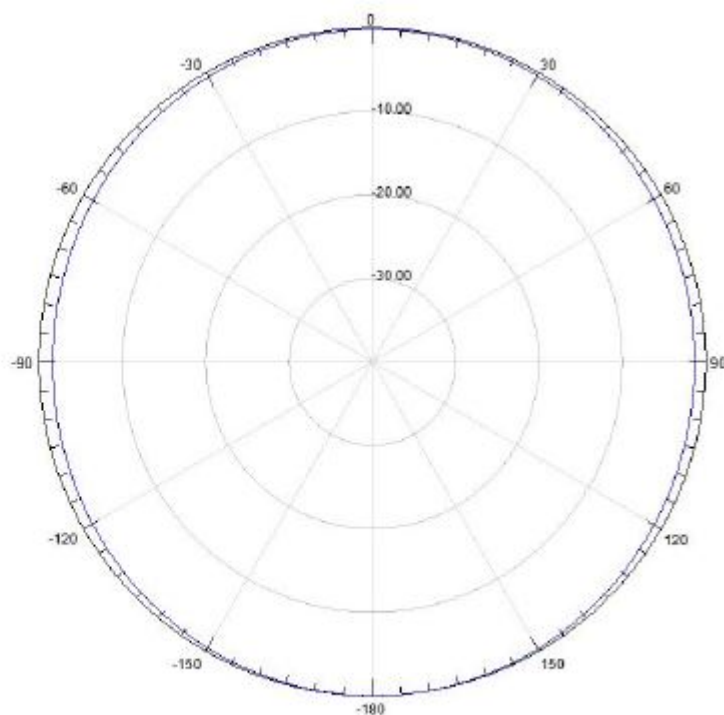
Environmental Class		Indoor
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**Horizontal  
pattern**



**Vertical  
pattern**

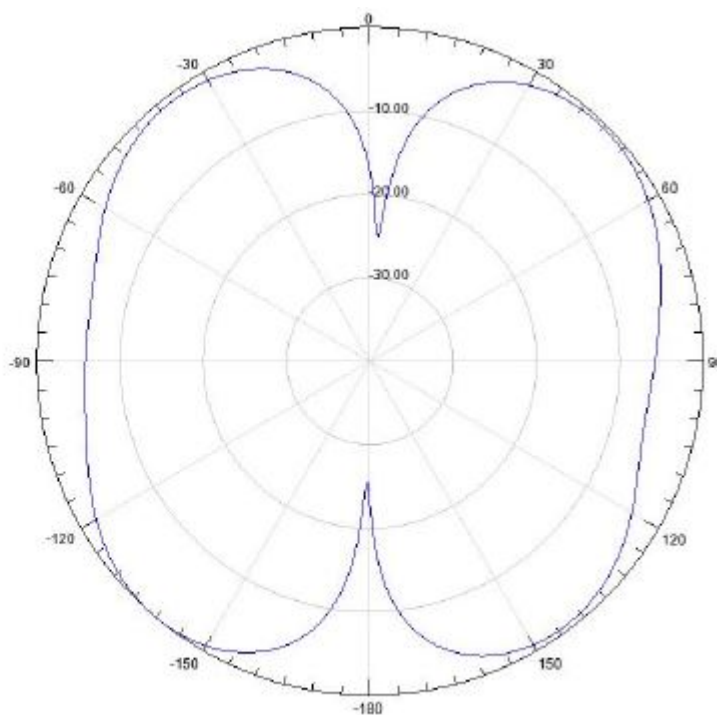


**900MHz**

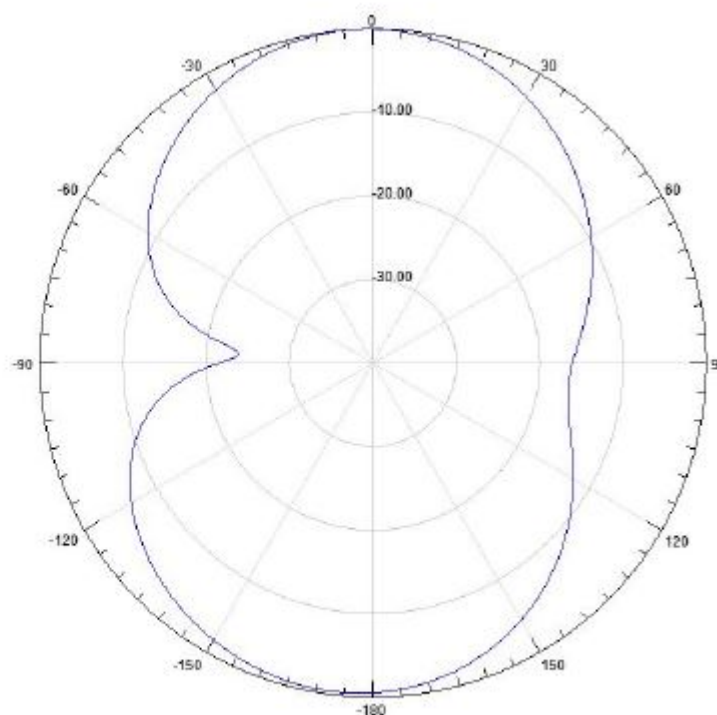
900MHz



**Horizontal  
pattern**



**Vertical  
pattern**

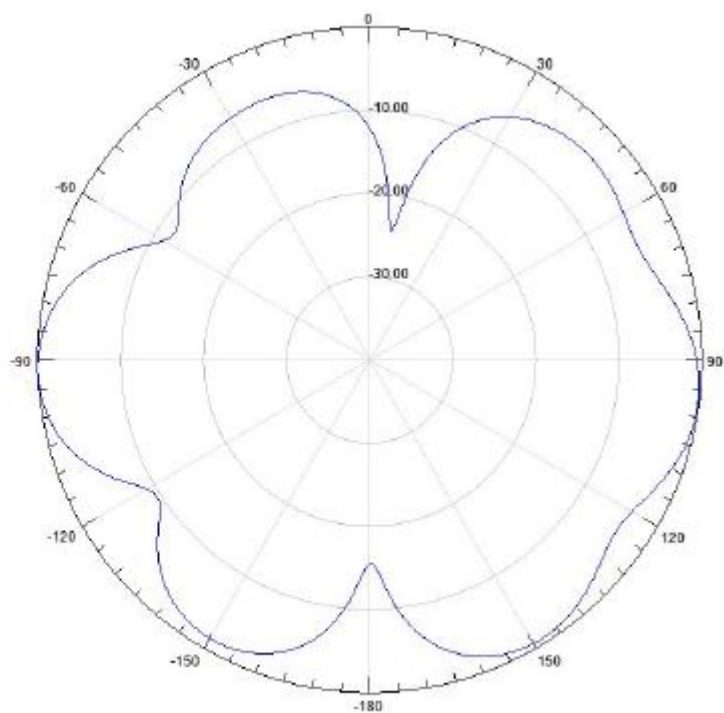


**1710MHz**

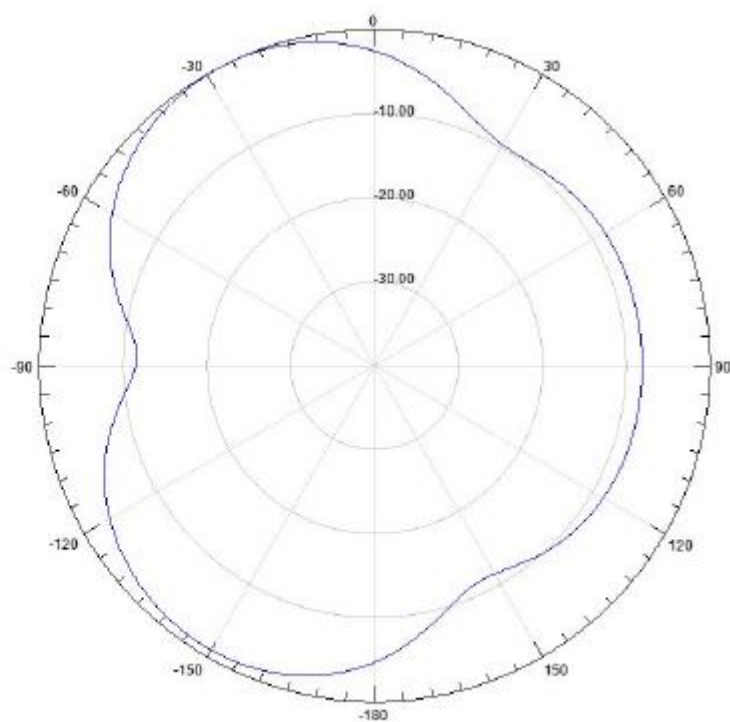
1710MHz



## Horizontal pattern



## Vertical pattern



2500MHz

2500MHz

[External Document Links](#)



**I-ATO5-43-617/6000**

Indoor Omnidirectional Antenna 617-6000 MHz

[Link to VEX Zip file](#)

Notes