



The omnidirectional antenna I-ATO5-617/6000 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 antenna supporting all wireless services in the frequency bands 617-806 / 806-960 / 1350-1550 / 1690-2700 / 3300-3800 / 4900-6000 MHz**
- **Typically used in indoor distribution of 2G / 3G / 4G / 5G wireless services in all standardized frequency bands**
- **PIM optimized antenna design (-150dBc @2x20W)**
- **Aesthetical visual appearance, compact and light weight**
- **Low loss pigtailed with 4.3-10 connectors**
- **Ideal for 4G LTE and 5G multi-band MIMO applications**

**Technical features**

**GENERAL SPECIFICATIONS**

Product Type		Omnidirectional Antenna
Techn. Application		Indoor

**MECHANICAL SPECIFICATIONS**

Number of Input Ports		2
Connectors		4.3-10
Mounting Hardware included		Ceiling (Standard)
Height (Less Connectors)	mm (in)	18 (0.71)
Diameter (Less Connectors)	mm (in)	218 (10.5)
Width (Less Connectors)	mm (in)	4.3 ( )
Weight	kg (lb)	0.5 (1.1)

**ELECTRICAL SPECIFICATIONS**

Frequenz	MHz	617-806	806-960	1350-1550	1690-2700	3300-3800	4900-6000
Gain, typ.	dBi	1.5	2.2	3.5	4.5	6.0	6.0
VSWR	max	1.8	1.5	2.0	1.8	1.8	1.8
Isolation	dB	>=18	>=18	>=13	>=15	>=25	>=25
Impedance, Ohm	Ω	50					
Polarization		Linear x2					
Intermodulation (IM3)		150 dBc (2x43dBm)					
Total Input Power max.	W	50					

**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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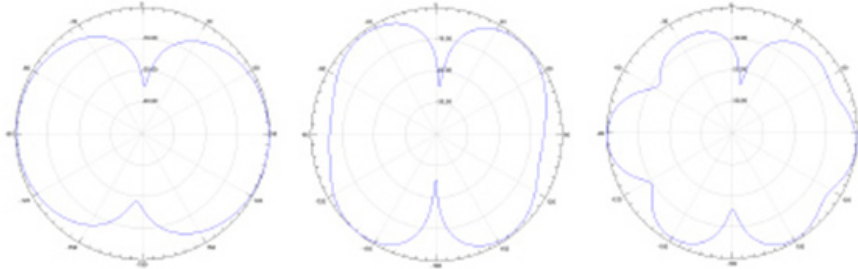


**TESTING AND ENVIRONMENTAL**

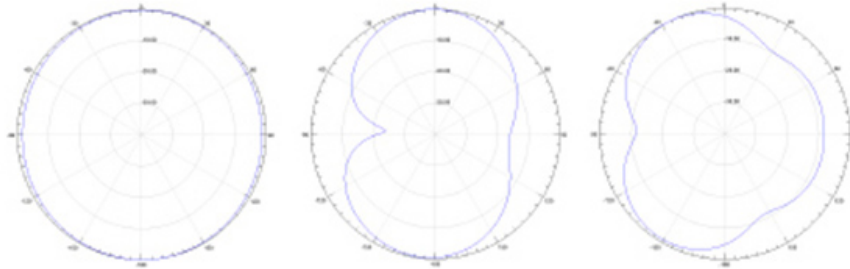
Environmental Class

Indoor

**Horizontal  
pattern**



**Vertical  
pattern**



External Document Links

[Link to VEX Zip file](#)

Notes