



The omnidirectional antenna I-ATO5-617/3800M 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 antenna supporting all wireless services in the frequency bands 617-960 / 1427-2700 / 3300-3800MHz
- 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 loss pigtails 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, via hole
Height (Less Connectors)	mm (in)	10 (0.394)
Width (Less Connectors)	mm (in)	190 (7.48)
Length (Less Connectors)	mm (in)	255 (10.039)
Weight	kg (lb)	0.4 (0.882)

ELECTRICAL SPECIFICATIONS

Frequenz	MHz	617-960	1427-1710	1710-2700	3300-3800
Gain, typ.	dBi	2.5±1.0	3.5±0.5	4.5±1.0	5.0±1.0
VSWR	max	≤1.8	≤1.8	≤1.8	≤1.8
Isolation	dB	≥16	≥18	≥20	≥25
Impedance, Ohm	Ω	50			
Polarization		Horizontal x2			
Intermodulation (IM3)		-153 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

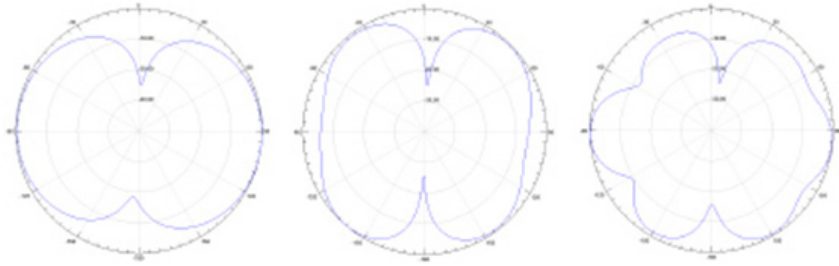
Environmental Class		Indoor
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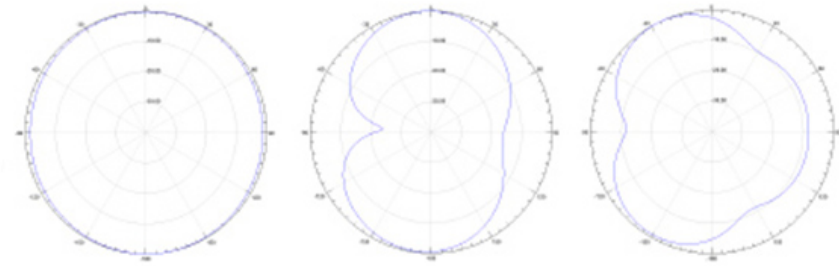
I-AT05-43-617/3800M

Indoor Omnidirectional MIMO Antenna 617-3800 MHz with 4.3-10 connectors

Horizontal
pattern



Vertical
pattern



External Document Links

Notes