

# Indoor Omnidirectional MIMO Antenna 698-4000 MHz

The omnidirectional antenna I-ATO5-43-698/4000 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 698-960 / 1710-2700 / 3400-4000MHz
- 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 pigtail with 4.3-10 female connector
- · Ideal for 4G LTE multi-band MIMO applications



I-ATO5-43-698/4000

## **Technical features**

**GENERAL SPECIFICATIONS** 

**ELECTRICAL SPECIFICATIONS** 

Product Type	Omnidirectional Antenna
Techn. Application	Indoor
MECHANICAL SPECIFICATIONS	

Number of Input Ports		2
Connectors		4.3-10 female
Height (Less Connectors)	mm (in)	40 (1.57)
Diameter (Less Connectors)	mm (in)	218 (8 58)

Weight	kg (lb)	0.5 (1.1)

Frequenz	MHz	698-960	1710-2700	3400-4000
Gain, typ.	dBi	3.5	4.5	5.0
VSWR	2.0	2	2.0	2.0
Beamwidth, Vertical, typ.	0	90	45	35
Impedance, Ohm	Ω		50	
Polarization			Linear x2	
Intermodulation (IM3)			-150 dBc	
Total Input Power max.	W		50	

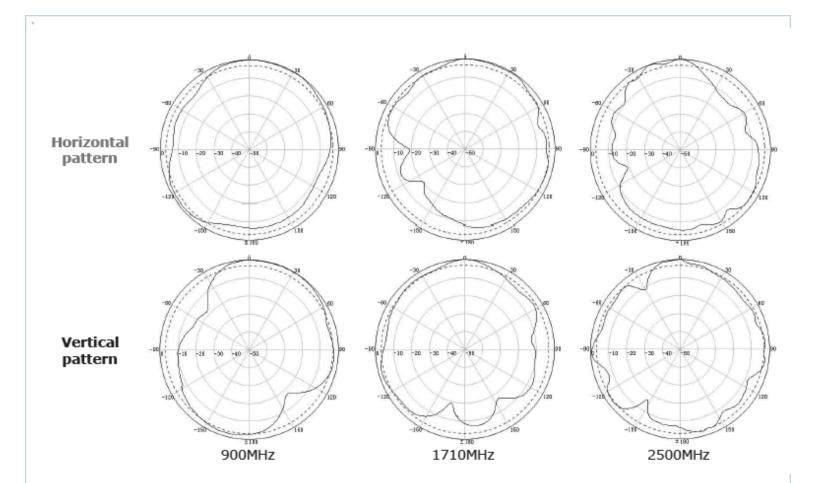
MATERIAL	
Radome Material	ABS
Radome Color	White (RAL 9003)

TEMPERATURE SPECIFICATIONS		
Operation Temperature	°C (°F)	-40 to 55 (-40 to 131 )

TESTING AND ENVIRONMENTAL	
Environmental Class	Indoor

**I-ATO5-43-698/4000M** REV : B REV DATE : 20 Jan 2022 **www.rfstechnologies.com** 

## Indoor Omnidirectional MIMO Antenna 698-4000 MHz



# **External Document Links**

#### Notes

Ceiling mounting via hole (standard)

Typical isolation between polarizations: >17dB (698-960MHz), >20dB (1710-2700MHz, 3400-4000MHz)

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