



The bi-directional antenna I-ATP5-43-698/2700-01 is designed for broadband indoor DAS applications supporting all kind of safety as well as 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 antenna, supporting all wireless services in the frequency bands 698-960/1710-2700MHz
- Typically used in indoor distribution of 2G/3G/4G wireless services in all standardized frequency bands
- PIM optimized antenna design (-150dBc @2x20W)
- Aesthetical visual appearance, compact and light weight
- Low return loss, stable performance
- 4.3-10 female connector
- Wall mounting



I-ATB5-43-698/2700-01

**Technical features**

**GENERAL SPECIFICATIONS**

<b>Product Type</b>		Bi-directional Panel Antenna
<b>Techn. Application</b>		Indoor

**MECHANICAL SPECIFICATIONS**

<b>Number of Input Ports</b>		1
<b>Connectors</b>		4.3-10 female
<b>Height (Less Connectors)</b>	mm (in)	400 (15.7)
<b>Diameter (Less Connectors)</b>	mm (in)	4.3 ()
<b>Width (Less Connectors)</b>	mm (in)	100 (3.9)
<b>Length (Less Connectors)</b>	mm (in)	200 (7.9)
<b>Weight</b>	kg (lb)	2.3 (5.1)

**ELECTRICAL SPECIFICATIONS**

<b>Frequency</b>	MHz	698 - 806	806 - 960	1710 - 2170	2170 - 2700
<b>Gain, typ.</b>	dBi	4.0 ± 1.0	4.5 ± 1.0	5.5 ± 1.0	6.0 ± 1.0
<b>max. VSWR</b>		2.0	2.0	2.0	2.0
<b>Beam width, Vertical, typ.</b>	°	75	73	60	50
<b>Beam width, Horizontal, typ.</b>	°	85 ± 20	85 ± 20	62 ± 15	60 ± 20
<b>Impedance, Ohm</b>	Ω	50			
<b>Polarization</b>		Vertical			
<b>Intermodulation (IM3)</b>		-150dBc (2 x 43dBm)			
<b>Total Input Power max.</b>	W	50			

**MATERIAL**

<b>Radome Material</b>		Fiberglass
<b>Radome Color</b>		White (RAL9003)

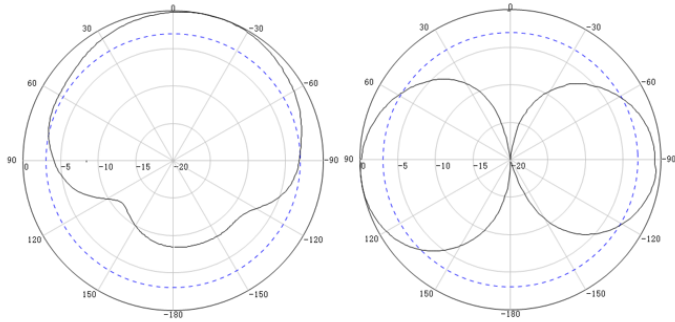


TEMPERATURE SPECIFICATIONS

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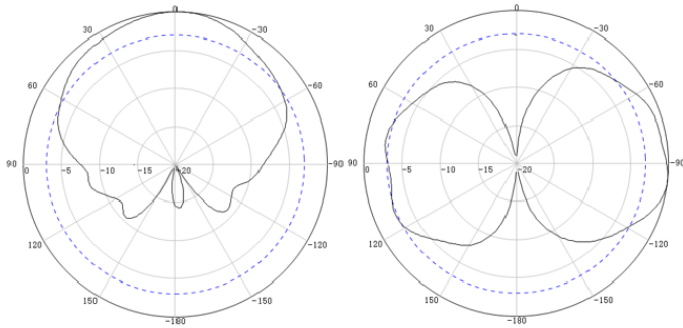
TESTING AND ENVIRONMENTAL

Environmental Class		Indoor
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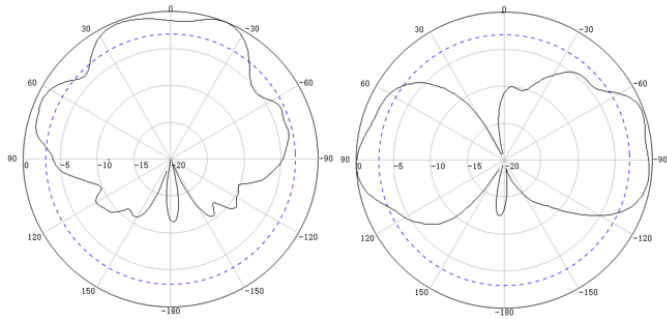
Horizontal Pattern, 880MHz

Vertical Pattern, 880MHz



Horizontal Pattern, 1920MHz

Vertical Pattern, 1920MHz



Horizontal Pattern, 2500MHz

Vertical Pattern, 2500MHz

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