PRODUCT DATASHEET

I-ATP5-698/2700M

Indoor Panel MIMO Antenna 698-2700 MHz

This indoor panel antenna is designed for broadband in-building MIMO distribution of modern wireless communication systems as LTE, GSM, CDMA, PCS, 3G, WiFi, WLAN services. The antenna ensures highest performance for in-building passive DAS MIMO applications avoiding passive intermodulation products due to the PIM optimized design.
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 panel antenna supporting all wireless services in the frequency bands 698-960/1710-2700MHz**
- **Ideal for 4G LTE multi-band MIMO applications**
- **Low return loss, High gain, Stable performance.**
- **PIM optimized antenna design (150dBc @2x20W)**
- **Aesthetical visual appearance, compact and light weight**
- **Low loss pigtail with N female connector**



I-ATP5-698/2700M

Technical features

GENERAL SPECIFICATIONS

Product Type		Panel Antenna
Techn. Application		Indoor

MECHANICAL SPECIFICATIONS

Number of Input Ports		2
Connectors		N female
Connector Cable	mm (in)	200 (7.9)
Mounting Hardware included		Wall bracket, screws
Height (Less Connectors)	mm (in)	305 (12)
Width (Less Connectors)	mm (in)	190 (7.48)
Length (Less Connectors)	mm (in)	65 (2.56)
Weight	kg (lb)	0.9 (1.98)

ELECTRICAL SPECIFICATIONS

Frequency	MHz	698 - 806	806 - 960	1710 - 2700
Gain, typ.	dBi	6.5 ± 1.0	7.0 ± 1.0	7.5 ± 1.0
max. VSWR		2.0	2.0	1.8
Beam width, Vertical, typ.	°	68	60	65
Beam width, Horizontal, typ.	°	78	73	73
Impedance, Ohm	Ω	50		
Polarization		± 45°		
Intermodulation (IM3)		-150dBc (2x43dBm)		
Total Input Power max.	W	50		

All values nominal unless tolerances provided; information contained in the present datasheet is subject to confirmation at time of ordering

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MATERIAL

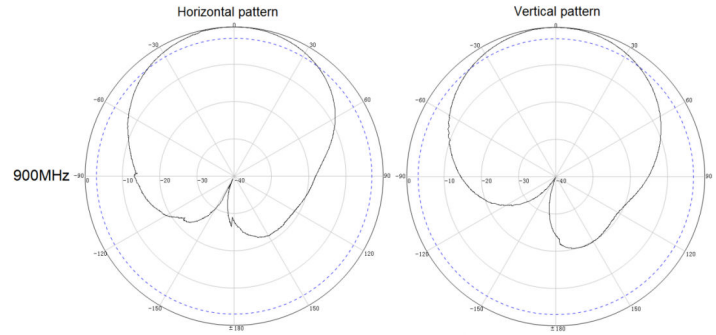
Radome Material		ABS
Radome Color		White (RAL9003)

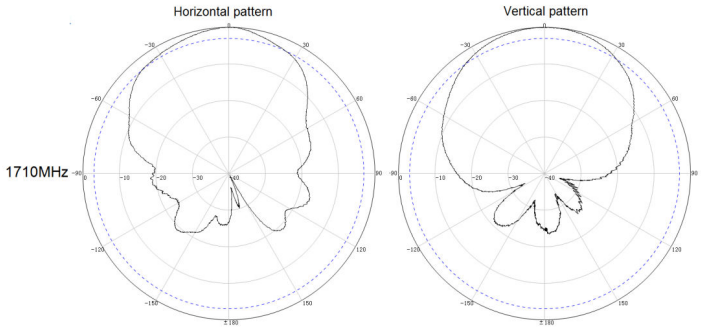
TEMPERATURE SPECIFICATIONS

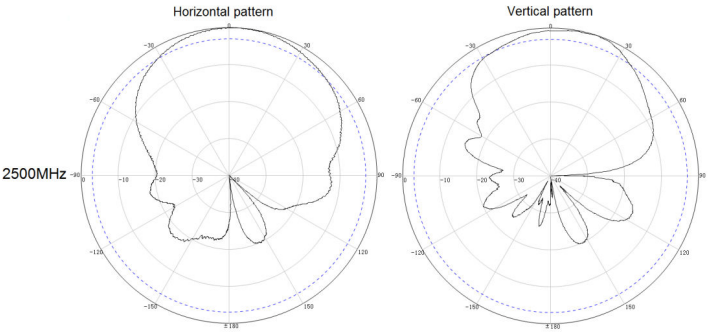
Operation Temperature	°C (°F)	-40 to 55 (-40 to 131)

TESTING AND ENVIRONMENTAL

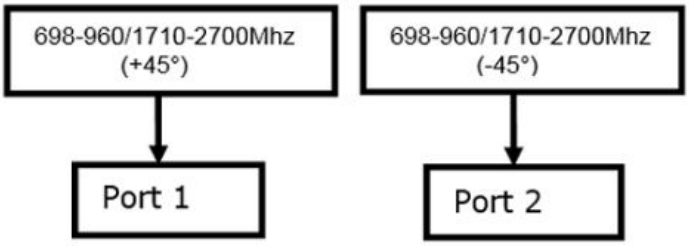
Environmental Class		Indoor







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External Document Links

Notes

Isolation between horizontal and vertical polarization > 20 dB, > 23 dB @ 1710 - 2700 MHz

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