

In-Building Omni Antenna (Code: PW-IOA-820/2700)



FEATURES :

- Full 820 to 2700 MHz Operation
- Low Cost – Small & Light Weight
- Modular Design Easy to Install
- N female Connectors

Specifically designed for in-building passive distribution of the all cellular communications signal, covering the full 820 to 2700 Mhz bandwidth this antenna is also capable of operation in the WiFi, LTE Frequency band. The antenna is constructed from lightweight materials suitable for ceiling mounting.

Specifications

Electrical Specification :

Model Number	PW-IOA-820/2700
Frequency Range	820–960MHz, & 1710-2700 MHz
VSWR	<1.5 :1 for 820-890 MHz, <1.7 :1 for 890-960Mhz <1.3 :1 for 1710-2700 MHz
Gain	2 to 3dBi for 820-960 Mhz 4 to 4.5dBi for 1710-2700 Mhz
Vertical 3dB BW	90 Degrees (Max)
Horizontal 3dB BW	360 Degrees
Impedance	50 Ohm
Polarization	Vertical
Max Input Power	50 Watts
Connection Type	N female.

Mechanical Specification :

Color	White
Operating Temp.	-40 to +60 °C
Mounting Method	3pcs Mounting Screw with cap
Weight	Max 330 grams
Radome Material	Uv-Protected ABS
Dimensions	195mm (diameter) x 80mm (Height)

In-Building Omni Antenna (Code: PW-IOA-820/2500)

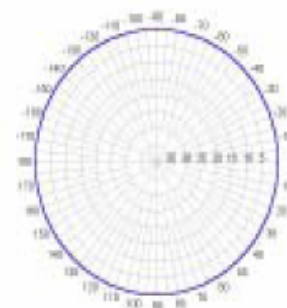
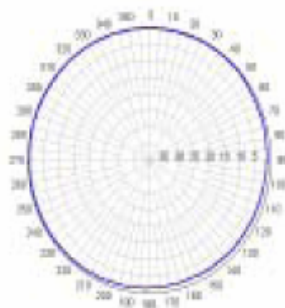
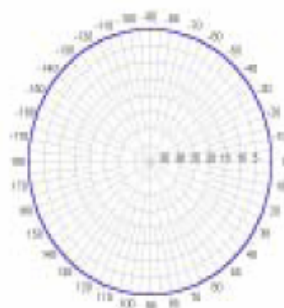
ELECTRICAL SPECIFICATIONS		MECHANICAL SPECIFICATIONS	
Frequency range:	820-960/1710-2500 MHz	Height:	67 mm
Bandwidth:	140/790 MHz	Diameter:	205 mm
Power:	100 W	Weight (excl. mount. hardware):	0.4 kg
VSWR*:	$\leq 2.0:1 \leq 1.5:1$ within the GSM bands	Radiating element material:	Aluminium
Impedance:	50 Ω	Radome material:	ABS
Gain*:		Radome colour:	White
820-960 MHz	0 dBd/2 dBi	Mounting hardware include:	ACM-3-S-O-IOA
1710-2500 MHz	2 dBd/4 dBi	Lightning protection:	Direct ground
Polarization:	Vertical		
Hor. beamwidth:	360°		
Ver. beamwidth	90°		
Connector type:	N		
Connector position:	Top		



*Typical value.

Radiation patterns

Horizontal



Vertical

