

Omni DAS Series

Flat Omni 2x2 MIMO 5G Antenna

OD617-6000M243



Features & Applications:

- 4G / 5G-FR1 617-6000MHz
- 2-port 2x2 MiMO
- In-building ceiling mount
- Horizontal omni radiation pattern
- Low PIM and SAR compliant
- Connector 4.3-10-Female as standard
- For N-Female connector use P/N: OD617-6000M2NF

ELECTRICAL SPECIFICATION

OD617-6000M243 Port1 & Port2

Frequency range	MHz	617-806	806-960	1350-1550	1690-2700	3300-3800	4900-6000
Gain	dBi	1.5±0.5	2.2±0.5	3.5±0.5	4.5±1	6.0±1	6.0±1
Polarization		Linear Horizontal					
VSWR		≤1.8	≤1.8	≤1.8	≤1.8	≤1.8	≤1.8
Isolation	dB	≥16	≥18	≥18	≥20	≥30	≥30
PIM,3rd order,2x20W	dBc	≤-153					
Max. input power	W	50					
Impedance	ohm	50					
SAR compliance		Compliant based on whole-body SAR limit RF Exposure calculation (CEI EN 50383)					

MECHANICAL SPECIFICATIONS

OD617-6000M243

Dimension (Diameter x Height)		Housing Material	Color	Weight	Mounting Kit	
Φ266×18 mm (10.47 x 0.709 inch)		ABS, UV Protected	White RAL9003	0.5kg (1.10lbs)	Ceiling, via hole (standard)	
Wireless Technology	No. of Port	Cable Length		Cable Type		Connector Type
5G FR1	2	1Ft (0.3m)		Ø 0.160" low loss		4.3-10-Female x2

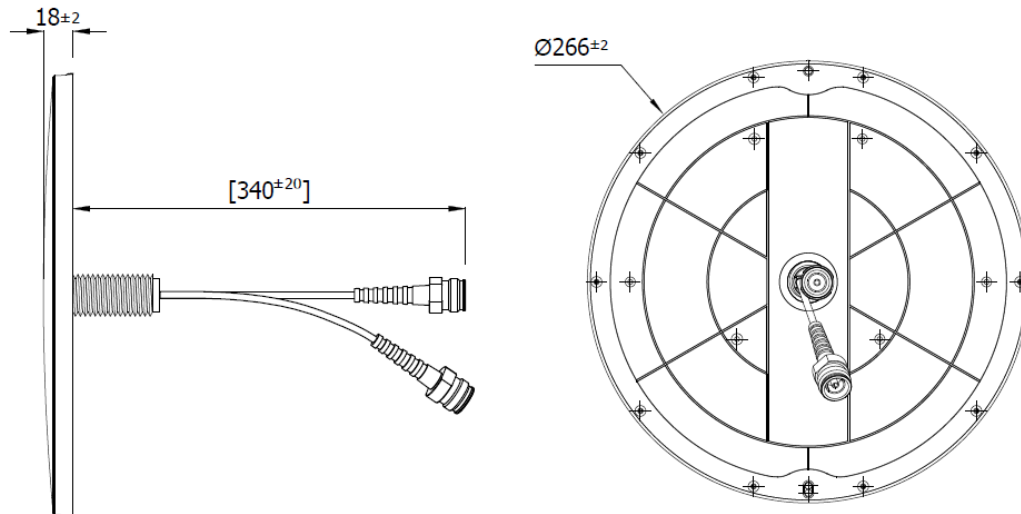
ENVIRONMENTAL SPECIFICATIONS

OD617-6000M243

Operating Temperature	Storage Temperature	RoHS Compliant	Ingress Protection	Warranty
-55 / +60° C	-55 / +60° C	Yes	IP50	2 years

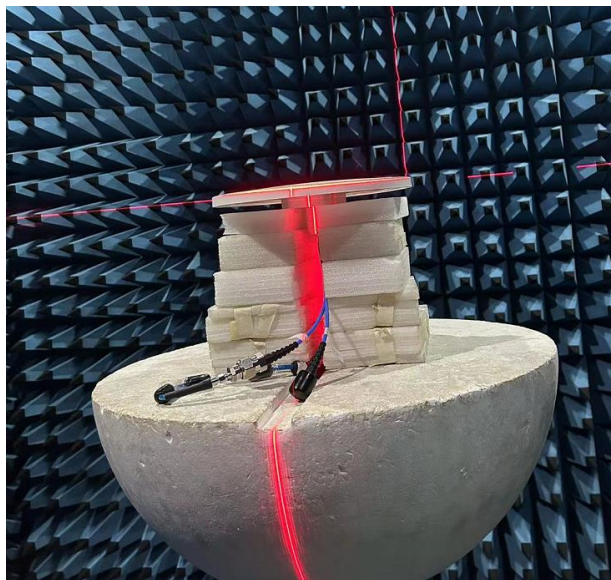
Mechanical Drawing

OD617-6000M243



Test Setup

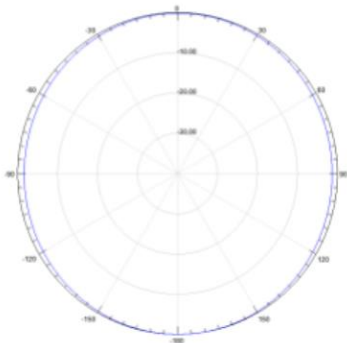
General / Chamber Setup



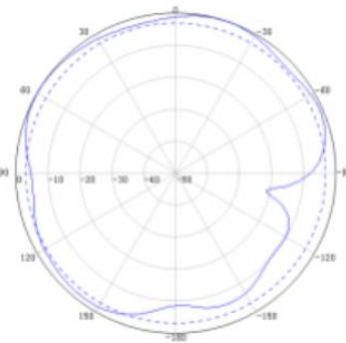
Radiation Pattern – Vertical and Horizontal Plane

OD617-6000M243

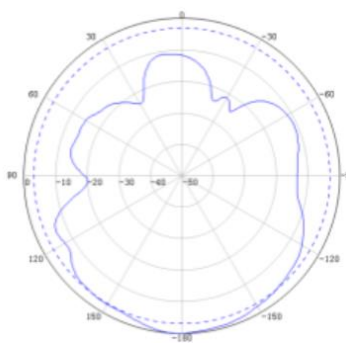
Vertical Port1 & Port2



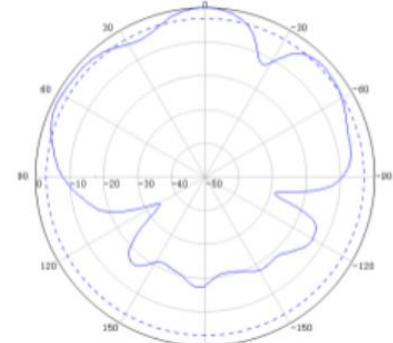
900MHz



1710MHz

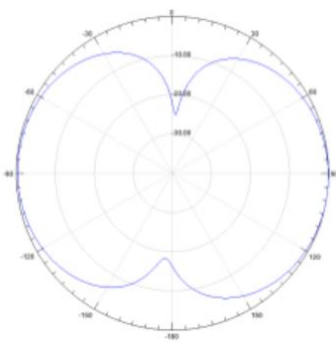


2500MHz

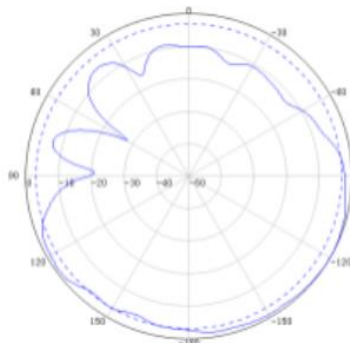


3500MHz

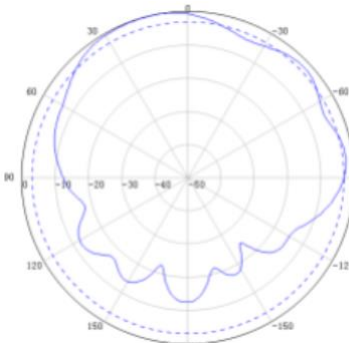
Horizontal Port1 & Port2



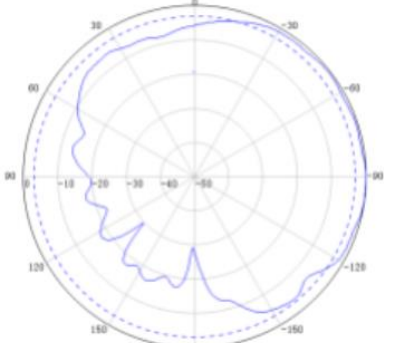
900MHz



1710MHz



2500MHz



3500MHz

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PACKAGING

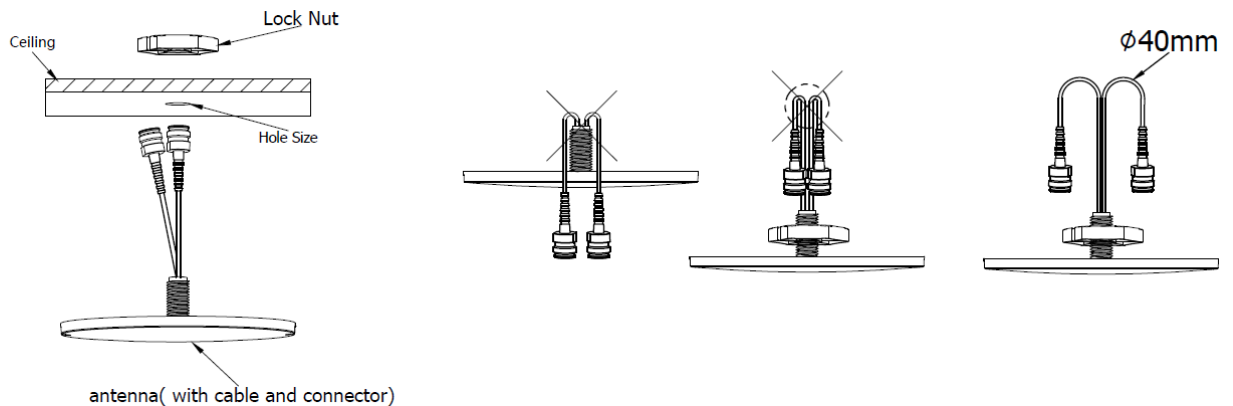
OD617-6000M243

1. Inner box: 280*275*100mm;
2. Outer box size: 580*575*535mm;
3. 20Pcs/Carton;

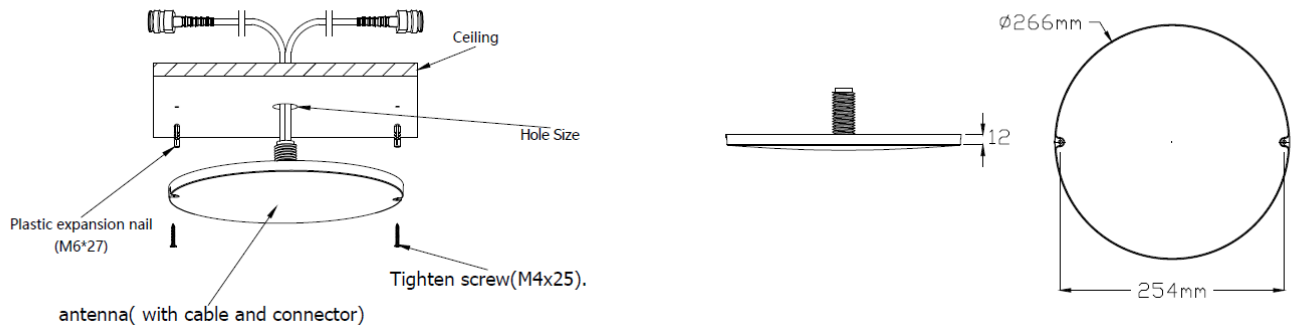
Installation instructions

OD617-6000M243

Method 1:



Method 2:



Recommended Hole Size

- ≥Ø26 - N-Type
- ≥Ø26 - Mini DIN(4.1/9.5)
- ≥Ø32 - 7/16

Notes:

1. Please contact sales for availability, lead time, and/or any special requests. Samples available upon request.

For More Information:

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