

Omni DAS Series

Flat Omni 4x4 MIMO 5G Antenna

OD617-6000M443



Features & Applications:

- 4G / 5G-FR1 617-6000MHz
- 4-port 4x4 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: OD617-6000M4NF

ELECTRICAL SPECIFICATION

OD617-6000M443 Port 1, 2, 3, 4

Frequency range	MHz	617-698	698-960	1350-2700	3300-4000	4800-6000
Gain	dBi	3±1	3±1	4.5±1	4.5±1	4.5±1
Polarization		Linear Horizontal				
VSWR		≤1.8	≤1.8	≤1.8	≤1.8	≤1.8
Isolation	dB	≥17	≥17	≥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

OD617-6000M443

Dimension (Diameter x Height)		Housing Material	Color	Weight	Mounting Kit	
Φ360×24 mm (14.17 x 0.945 inch)		ABS, UV Protected	White RAL9003	0.95kg (2.09lbs)	Ceiling, via hole (standard)	
Wireless Technology	No. of Port	Cable Length		Cable Type		Connector Type
5G FR1	4	1Ft (0.3m)		Ø 0.160" low loss		4.3-10-Female x4

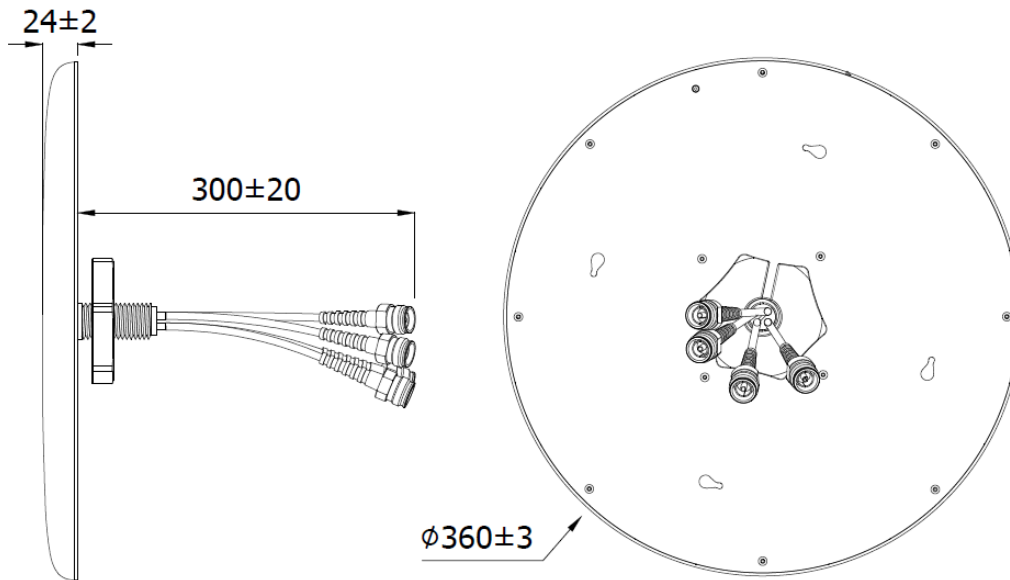
ENVIRONMENTAL SPECIFICATIONS

OD617-6000M443

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

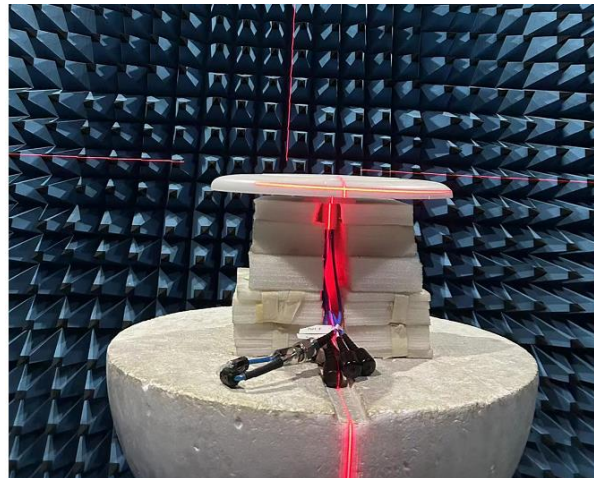
Mechanical Drawing

OD617-6000M443



Test Setup

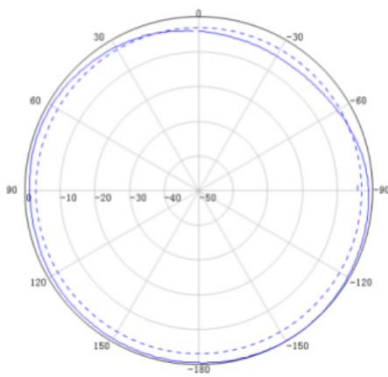
General / Chamber Setup



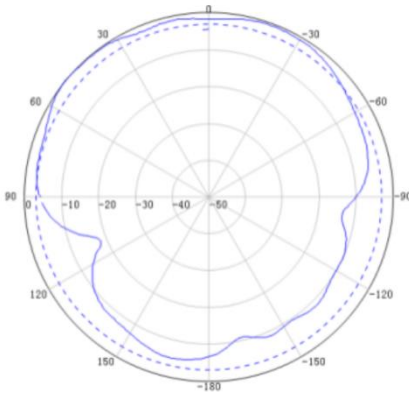
Radiation Pattern – Vertical and Horizontal Plane

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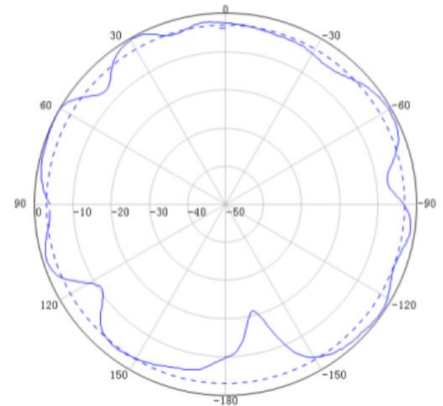
Vertical Port1, 2, 3, 4



617MHz

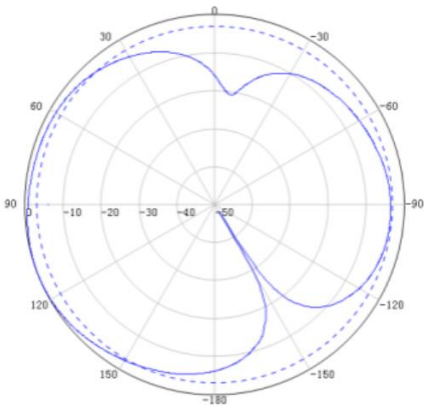


1710MHz

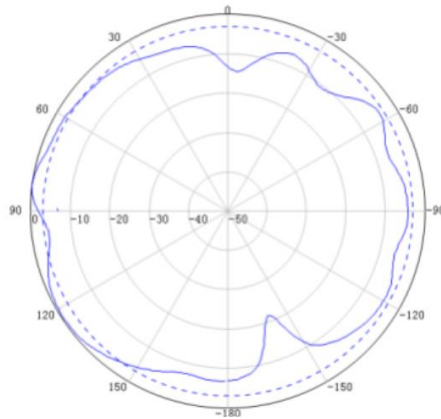


2500MHz

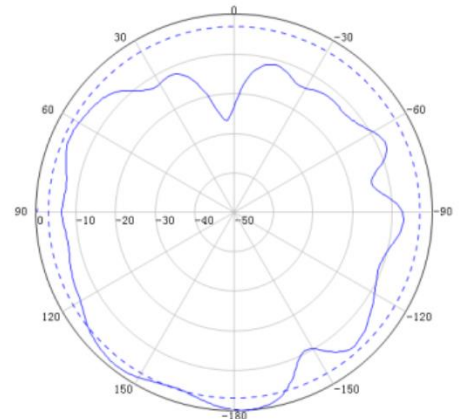
Horizontal Port1, 2, 3, 4



617MHz



1710MHz



2500MHz

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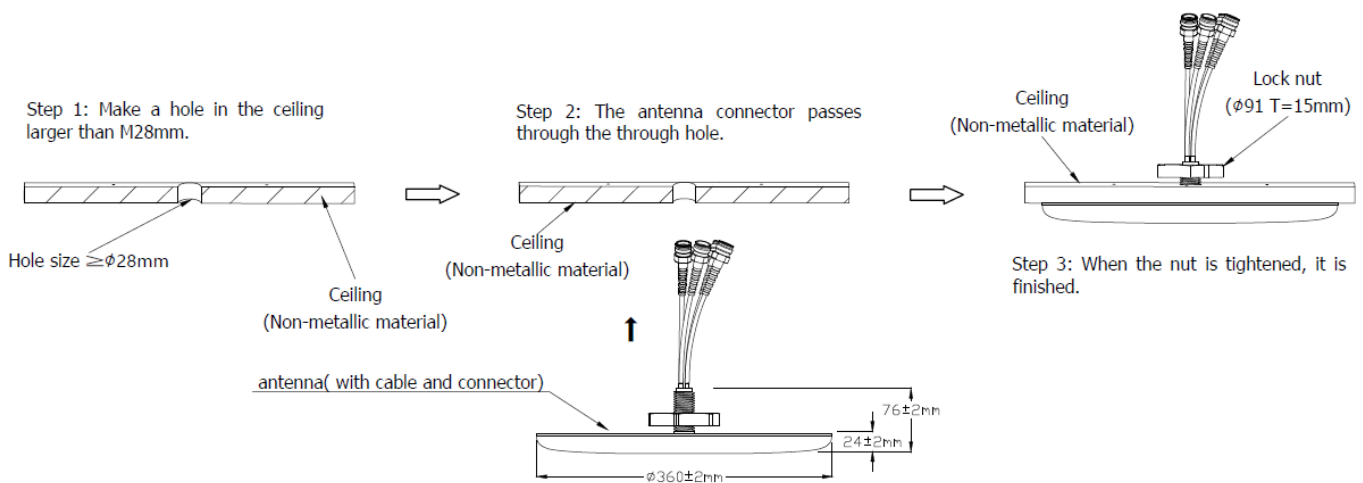
PACKAGING

OD617-6000M443

1. Inner box: 404*380*157mm;
2. Outer box size: 830*420*395mm;
3. 5Pcs/Carton;

Installation instructions

OD617-6000M443



Related hints:

- Check each package according to the packing list.
- Pay attention to safety work at high places.
- The antenna system is recommended for maintenance every year.

Note: This product is not suitable for installation on metal ceiling.

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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