








Omni DAS Series

Flat Omni SISO 5G Antenna

OD617-6000S1NF



Features & Applications:

-  4G / 5G-FR1 617-6000MHz
-  In-building ceiling mount
-  Horizontal omni radiation pattern
-  Low PIM and SAR compliant
-  Connector N-Female as standard
-  For 4.3-10 Female version use P/N: OD617-6000S143
-  Hard ceiling mount kit available on separate request

ELECTRICAL SPECIFICATION

OD617-6000S1NF

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					
VSWR		≤1.8		≤1.8		≤1.8	
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

OD617-6000S1NF

Dimension (Diameter x Height)		Housing Material	Color	Weight	Mounting Kit	
Φ220×18 mm (8.66 x 0.709 inch)		PC/ABS, UV Protected	White	0.3Kg (0.66lbs)	Ceiling, via hole (standard)	
Wireless Technology	No. of Port	Cable Length		Cable Type		Connector Type
5G FR1	1	1Ft (0.3m)		Ø 0.160" low loss		NF

ENVIRONMENTAL SPECIFICATIONS

OD617-6000S143

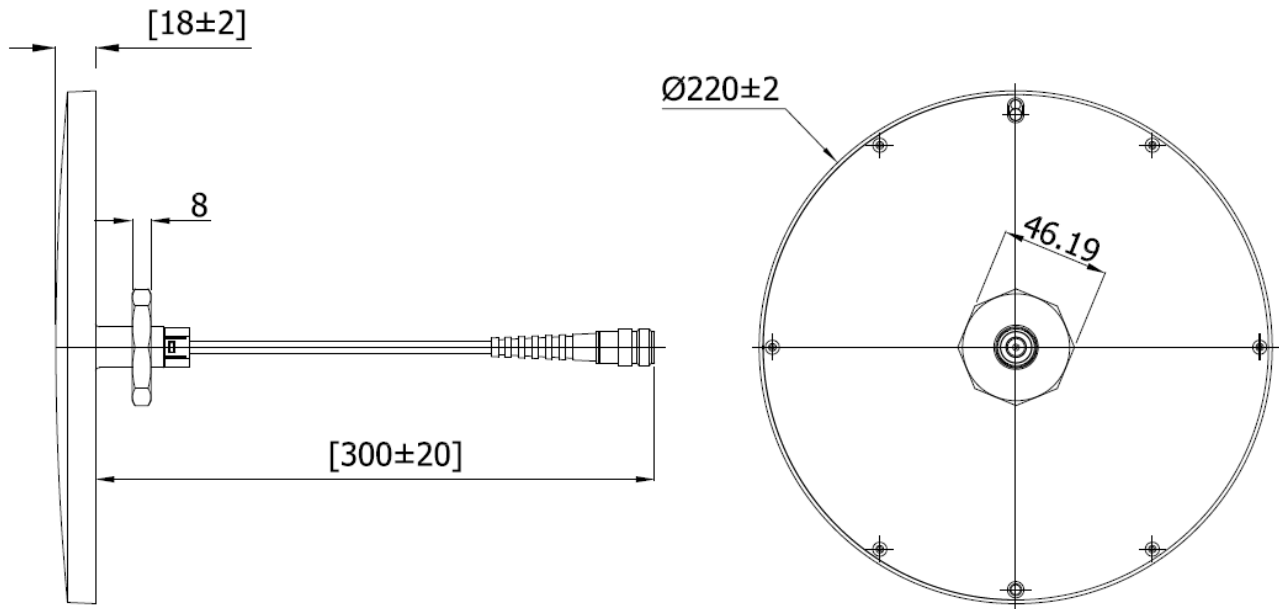
Operating Temperature	Storage Temperature	RoHS Compliant	Ingress Protection	Warranty
-55 / +60° C	-55 / +60° C	Yes	IP50	2 years

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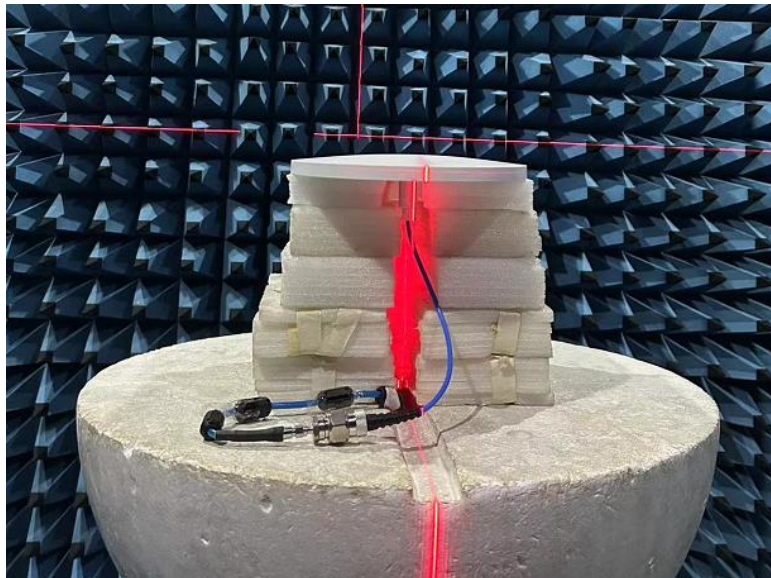
Mechanical Drawing

OD617-6000S1NF



Test Setup

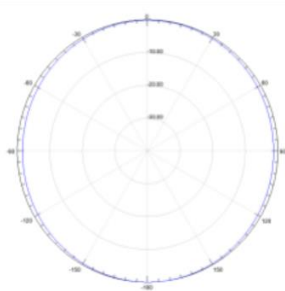
General / Chamber Setup



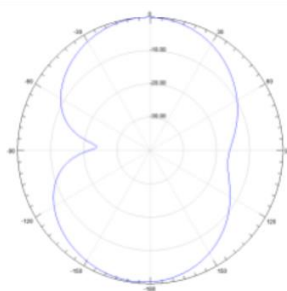
Radiation Pattern – Vertical and Horizontal Plane

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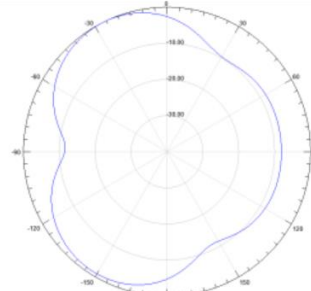
Vertical



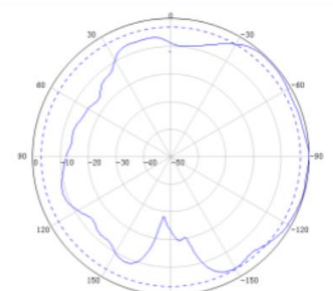
900MHz



1710MHz

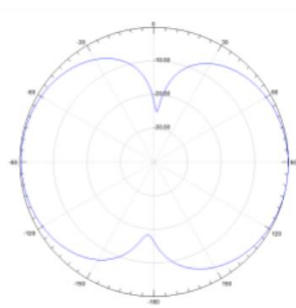


2200MHz

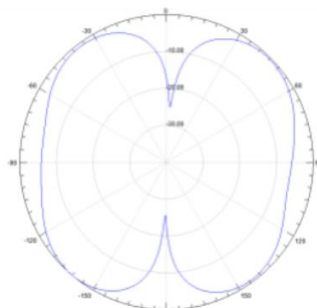


3500MHz

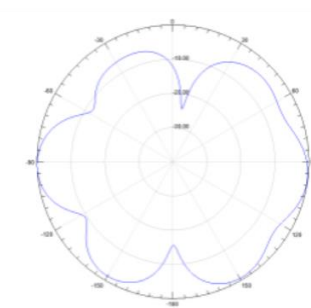
Horizontal



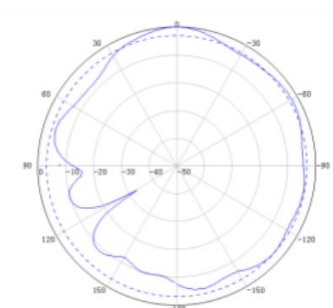
900MHz



1710MHz



2200MHz



3500MHz

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PACKAGING

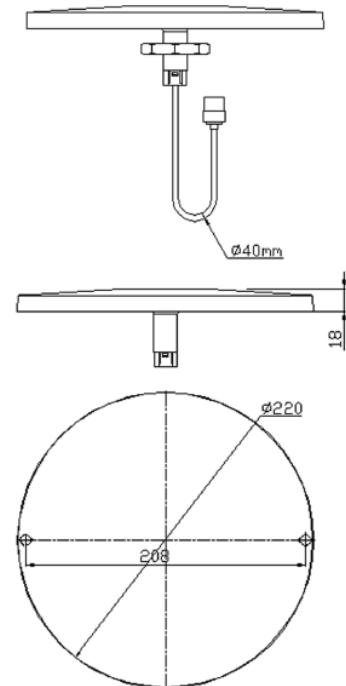
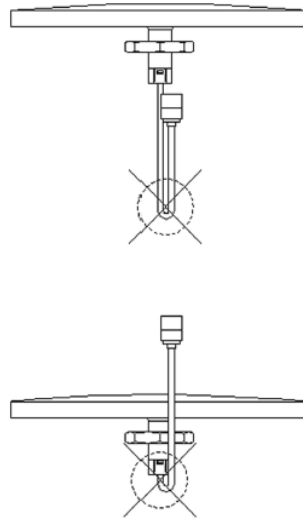
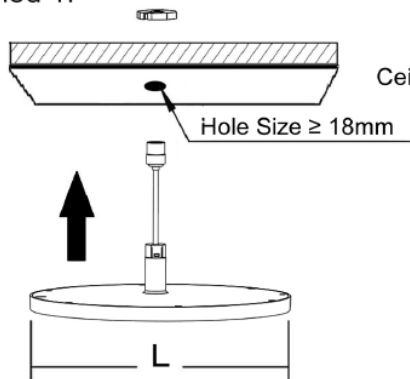
OD617-6000S1NF

1. Inner box: 225*220*90mm;
2. Outer box size: 485*470*465mm;
3. 20Pcs/Carton;

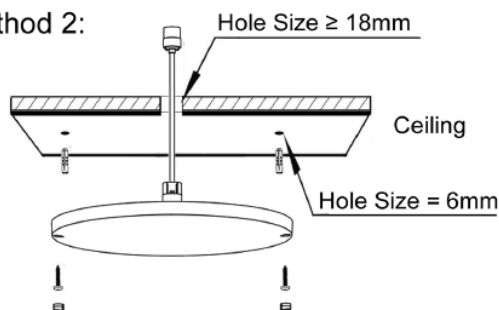
Installation instructions

OD617-6000S1NF

Method 1:



Method 2:



Warning: As shown, the cable can not be bent 180°, and bending dia. can not be <40mm.

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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