chanhvinh.com

Directional DAS Series
SISO 4G/5G Antenna

PD617-4200S1NF

Pulse
a YAGEO company



Features & Applications:

- *4G / 5G-FR1 617-4200MHz*
- *In-building wall mount*
- *Directional radiation pattern*
- *Low PIM and SAR compliant*
- *Connector N-Female as standard*
- *For 4.3-10 Female version use P/N: PD617-4200S143*

ELECTRICAL SPECIFICATIONS

PD617-4200S1NF

Frequency range		MHz	617-824	824-960	1350-1550	1710-3800	3800-4200
Gain		dBi	6.0±1	6.0±1	8.0±1	9.0±1	9.0±1
Polarization			Vertical				
Beam width	Horizontal	deg	90	90	75	75	75
	Vertical		75	75	60	55	55
VSWR			≤2.0	≤1.7	≤1.7	≤1.8	≤1.8
Front-to-back ratio		dB	≥15	≥15	≥15	≥15	≥15
PIM,3rd order,2x20W		dBc	≤-150				
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

PD617-4200S1NF

Dimension (W x L x H)	Housing Material	Color	Weight	Mounting Kit	
180 x 158 x 61 mm (7.08 x 6.22 x 2.40 inch)	ABS, UV Protected	White RAL9003	0.35kg (0.772lbs)	Wall mount (standard)	

Wireless Technology	No. of Port	Cable Length	Cable Type	Connector Type
4G,5G FR1	1	1Ft (0.3m)	SFF-50-3	NF

ENVIRONMENTAL SPECIFICATIONS

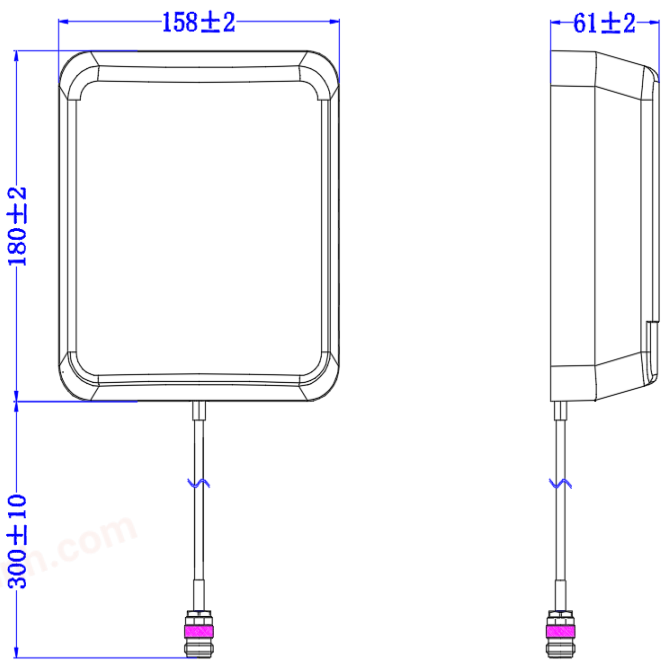
PD617-4200S1NF

Operating Temperature	Storage Temperature	RoHS Compliant	Ingress Protection	Warranty
-40 / +60° C	-40 / +60° C	Yes	IP50	2 years

chanhvinh.com

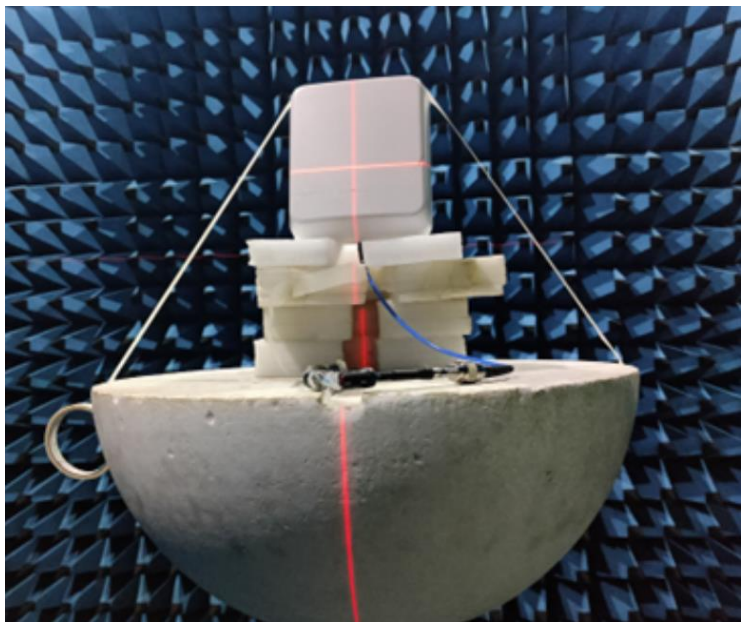
Mechanical Drawing

PD617-4200S1NF



Test Setup

General / Chamber Setup

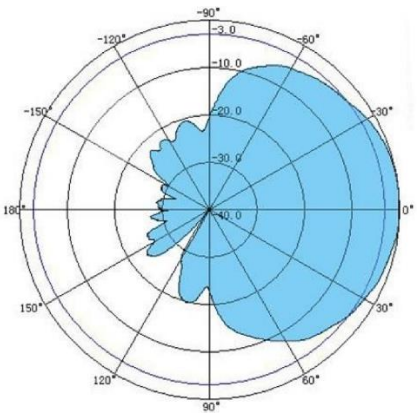


chanhvinh.com

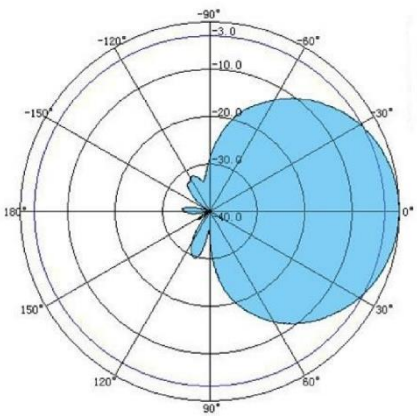
Radiation Pattern –Vertical and Horizontal Plane

PD617-4200S1NF

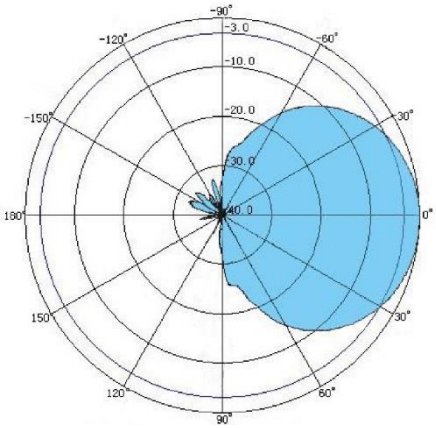
Vertical



698-960MHz

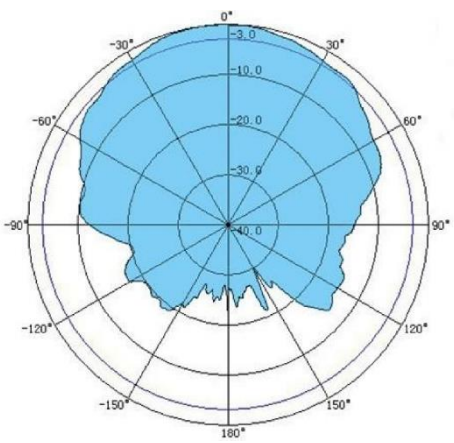


1350-1550MHz

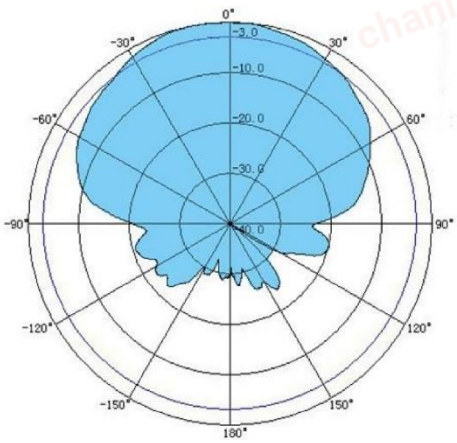


1710-4200MHz

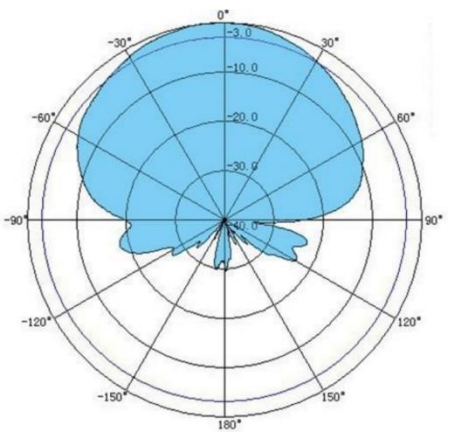
Horizontal



698-960MHz



1350-1550MHz



1710-4200MHz

chanhvinh.com

PACKAGING

PD617-4200S1NF

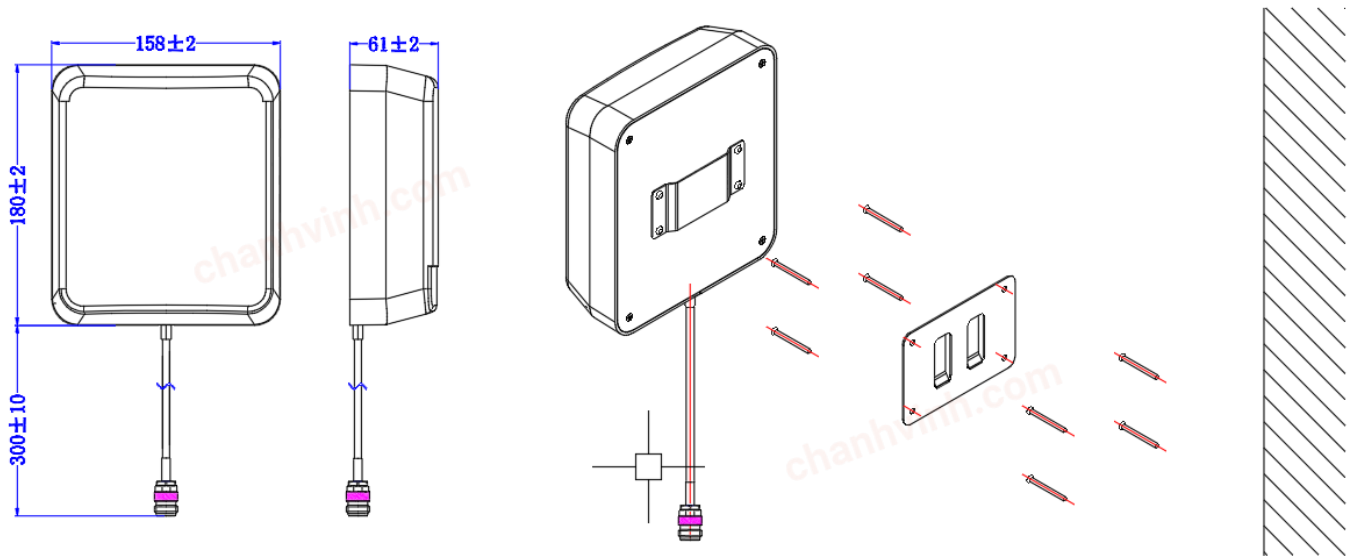
1.Inner box: 250*190*75mm;

2.Outer box size: 430*400*270mm;

3. 10Pcs/Carton;

Installation instructions

PD617-4200S1NF



Notes:

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

For More Information:
Americas - antennas.us@pulseelectronics.com | Europe – antennas.eu@pulseelectronics.com | Asia – antennas.as@pulseelectronics.com | Questions? +1-800-ANTENNA
Performance warranty of products offered on this data sheet is limited to the parameters specified. Data is subject to change without notice. Other brand and product names mentioned herein may be trademarks or registered trademarks of their respective owners. © Copyright , 2020. Pulse Electronics, Inc. All rights reserved.
Company address: Pulse Electronics, a YAGEO Company, 15255 Innovation Drive, Suite #100, San Diego, CA 92128.

'YAGEO Corporation and its affiliates do not recommend the use of commercial, automotive, and/or COTS grade products for high reliability applications or manned space flight.'