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DAS Series
Directional LPDA 5G Antenna

LD617-6000S143

Pulse
a YAGEO company



Features & Applications:

- *4G / 5G-FR1 617-6000MHz*
- *Indoor/Outdoor pole mount*
- *Directional high gain radiation pattern*
- *Low PIM and SAR compliant*
- *Connector 4.3-10-Female as standard*
- *For N-Female connector use P/N: LD617-6000S1NF*

ELECTRICAL SPECIFICATION

LD617-6000S143

Frequency range		MHz	617-806	806-960	1710-2700	3300-4000	4900-6000
Gain		dBi	7.5±1	7.5±1	9±1	9±1	7±1
Polarization			Vertical				
Beam width	Hor	deg	95±15	95±15	75±15	75±10	50±20
	Ver		65±10	65±10	55±15	55±15	55±15
VSWR			≤1.8	≤1.8	≤1.6	≤1.6	≤1.6
Front-to-back ratio		dB	10	18	20	15	12
PIM,3rd order,2x20W		dBc	≤-153				
Max. input power		W	50				
Lighting protection			DC Ground				
Impedance		ohm	50				
SAR compliance			Compliant based on whole-body SAR limit RF Exposure calculation (CEI EN 50383)				

MECHANICAL SPECIFICATIONS

LD617-6000S143

Dimension (Length x Width x Height)	Housing Material	Color	Weight	Mounting hardware	Connector position
440 x 210 x 65 mm (17.32 x 8.27 x 2.56 inch)	ABS, UV Protected	White RAL9003	0.54Kg (1.188lbs)	ϕ35～ϕ50 pole diameter	Bottom

Wireless Technology	No. of Port	Cable Length	Cable Type	Connector Type
5G FR1	1	1ft (0.3m)	Ø 0.160" low loss	4.3-10-Female

ENVIRONMENTAL SPECIFICATIONS

LD617-6000S143

Operating Temperature	Storage Temperature	RoHS Compliant	Ingress Protection	Warranty
-40 / +55° C	-50 / +55° C	Yes	IP54	2 years

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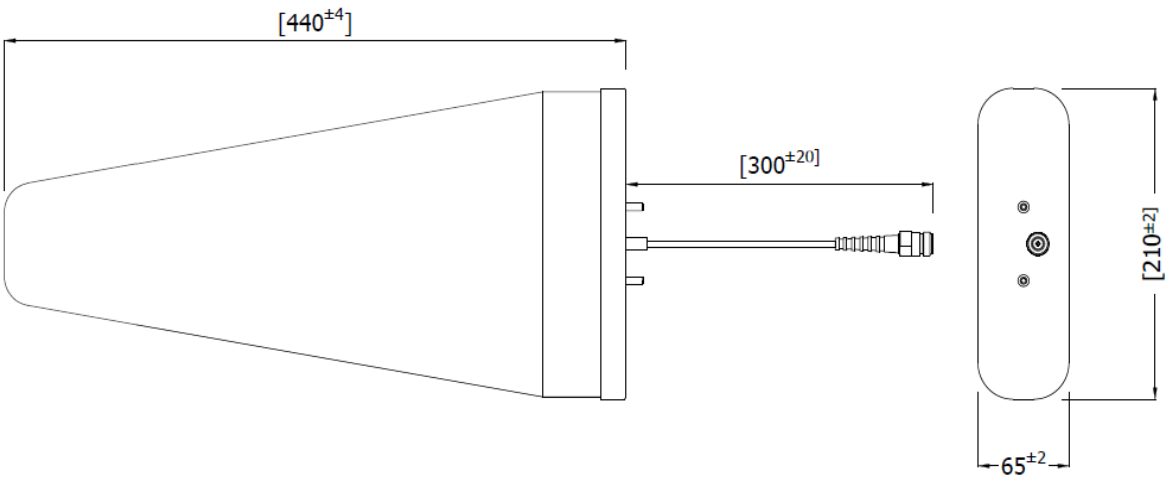
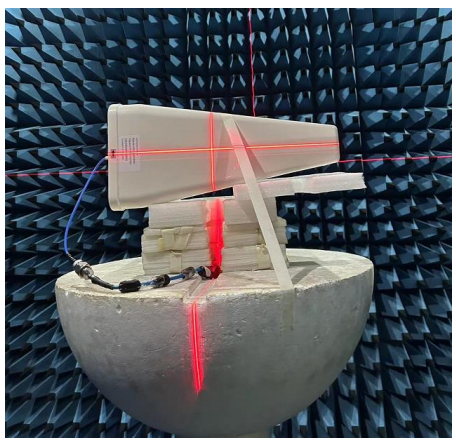
Mechanical Drawing

LD617-6000S143



Test Setup

General / Chamber Setup



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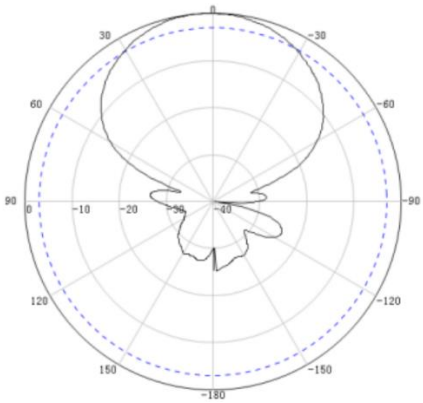
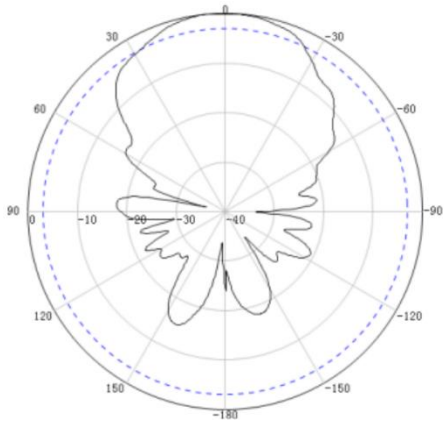
Radiation Pattern – Vertical and Horizontal Plane

LD617-6000S143

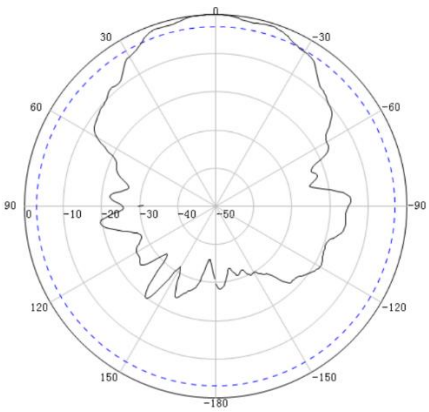
Vertical



960MHz

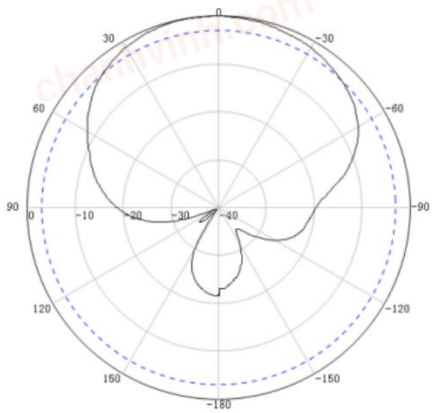


1880MHz

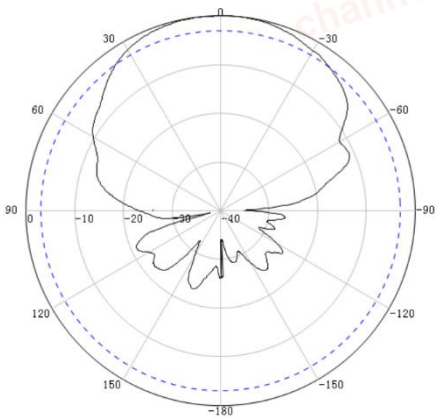


3800MHz

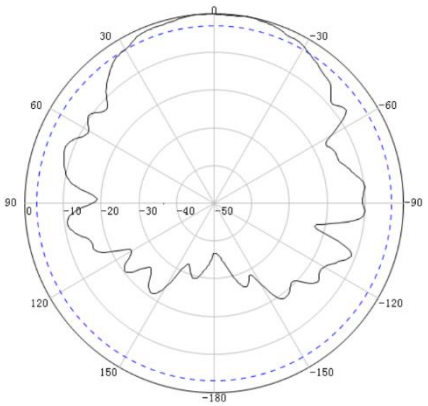
Horizontal



960MHz



1880MHz



3800MHz

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PACKAGING

LD617-6000S143

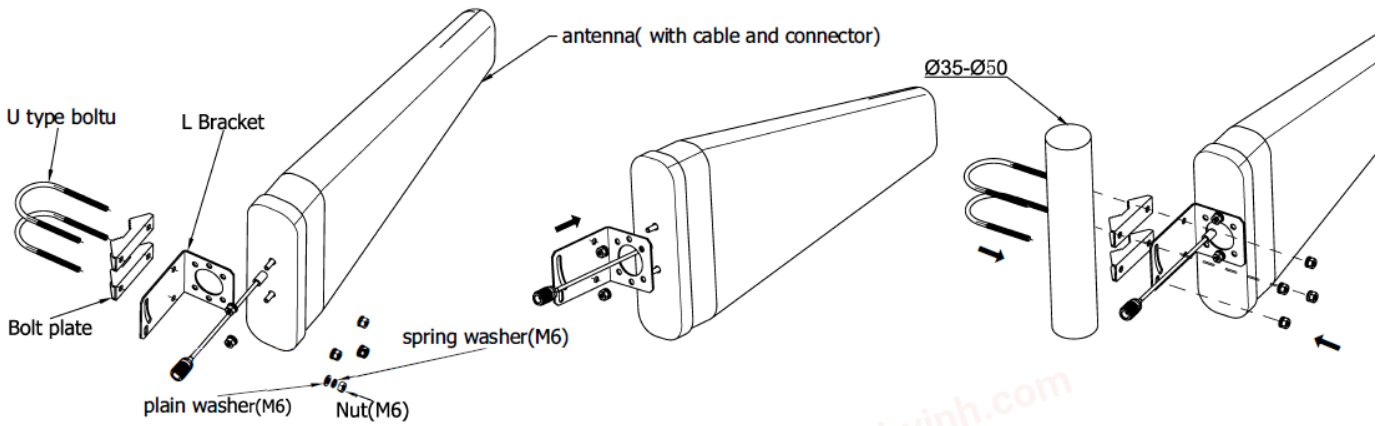
1.Inner box: 480*220*75mm;

2.Outer box size: 820*500*465mm;

3. 20Pcs/Carton;

Installation instructions

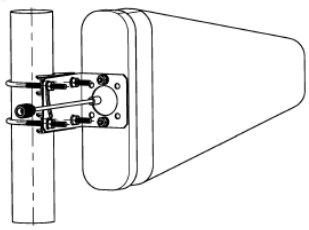
LD617-6000S143



Step 1: Depends on the packing list, please prepare the materials and available tools.

Step 2: The L clamp is installed on the antenna body with the Nut(M6)
.

Step 3: The U type bolt and bolt plate are fixed on the pole.



Step 4: Install the antenna body which with L clamp on the U type bolt which on the pole, then fix it with nuts.

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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