







# DAS Series Directional LPDA 5G Antenna

LD617-6000S143



## 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)	φ 35 ~ φ 50 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

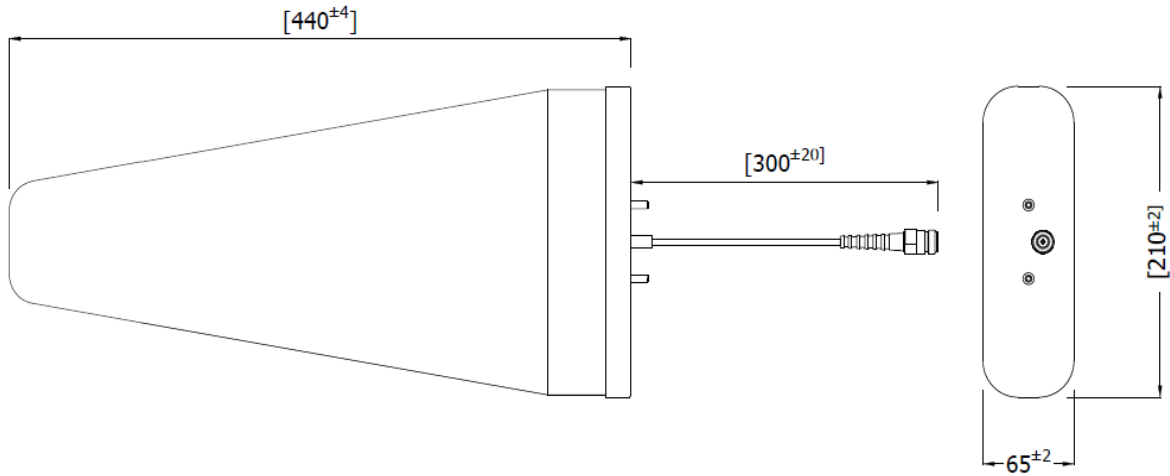
## ENVIRONMENTAL SPECIFICATIONS

### LD617-6000S143

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

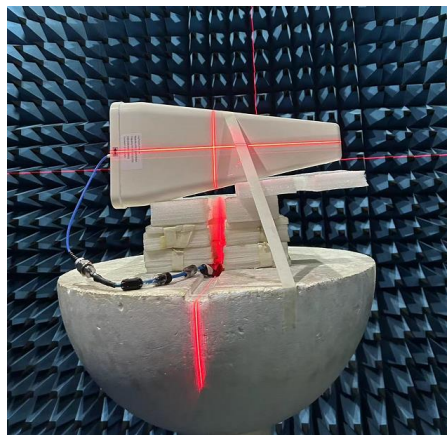
## Mechanical Drawing

LD617-6000S143



## Test Setup

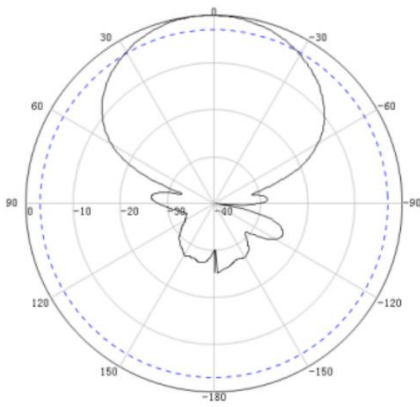
General / Chamber Setup



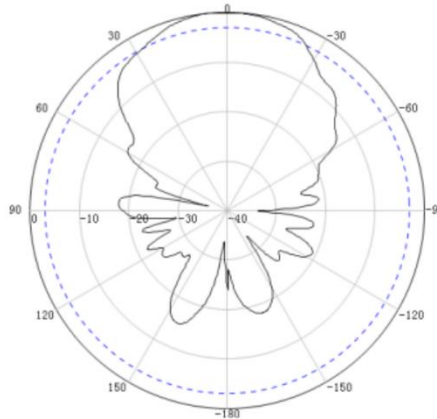
Radiation Pattern – Vertical and Horizontal Plane

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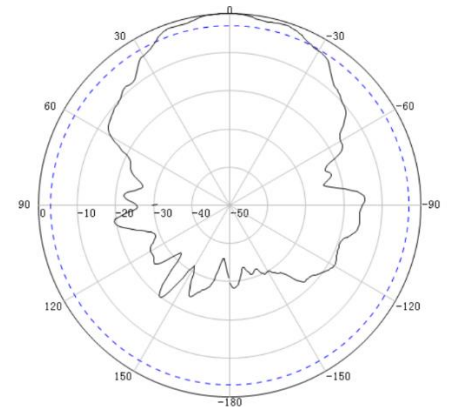
Vertical



960MHz

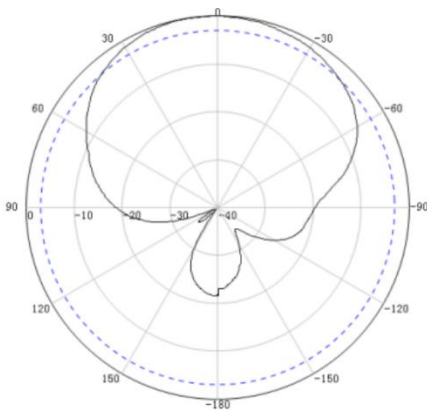


1880MHz

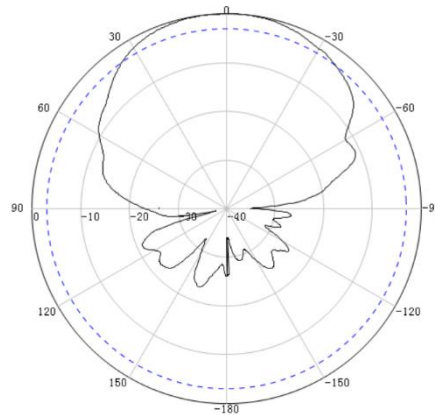


3800MHz

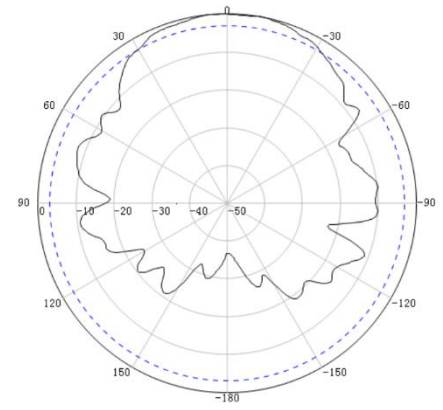
Horizontal



960MHz



1880MHz



3800MHz

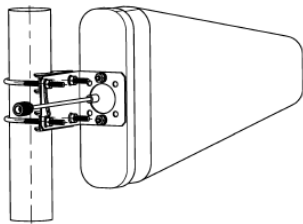
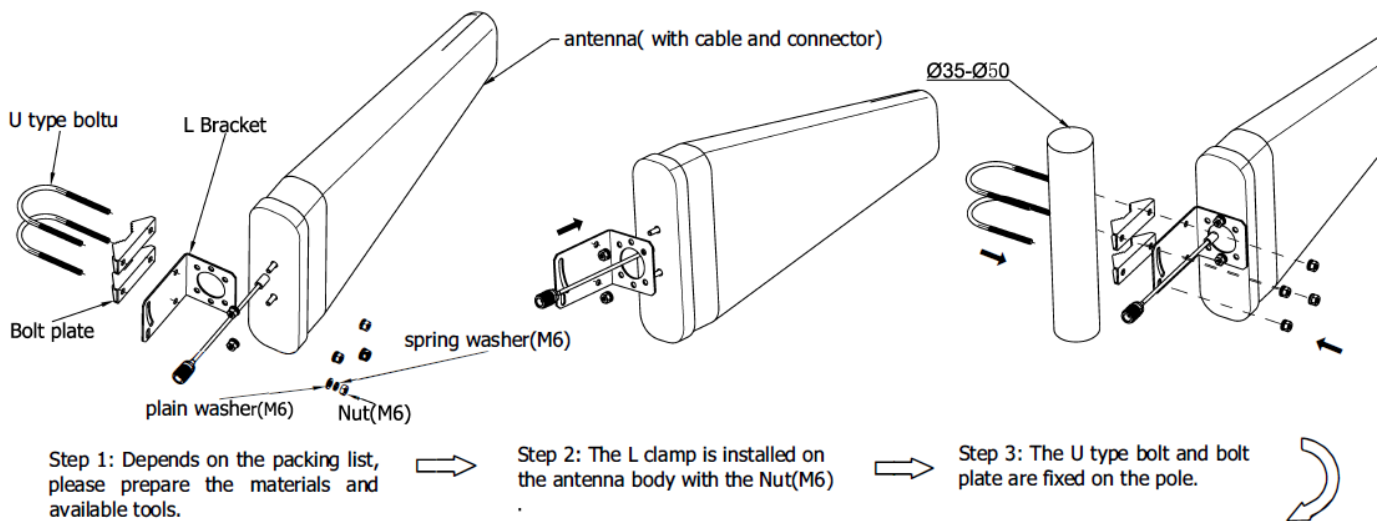
PACKAGING

LD617-6000S143

1. Inner box: 480\*220\*75mm;
2. Outer box size: 820\*500\*465mm;
3. 20Pcs/Carton;

Installation instructions

LD617-6000S143



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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