

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
	Ver		65±10	65±10	55±15	55±15
VSWR			≤1.8	≤1.8	≤1.6	≤1.6
Front-to-back ratio	dB		10	18	20	15
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

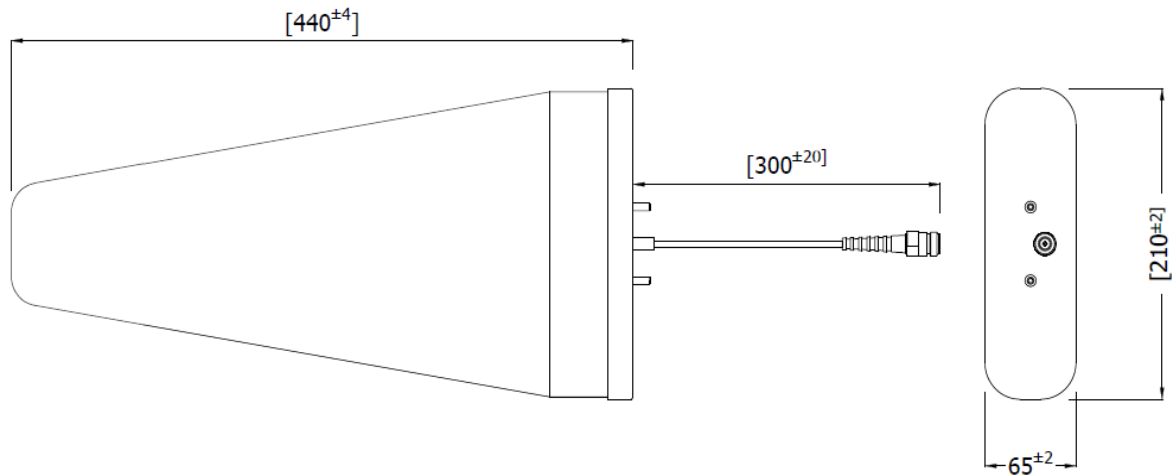
ENVIRONMENTAL SPECIFICATIONS

LD617-6000S143

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

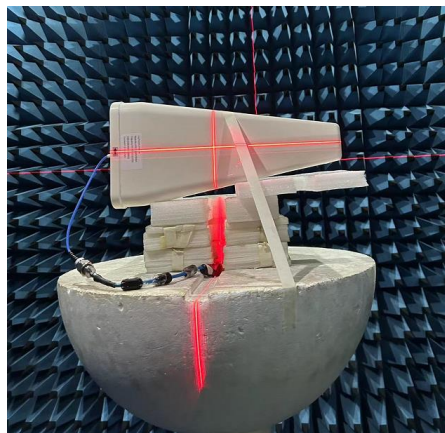
Mechanical Drawing

LD617-6000S143



Test Setup

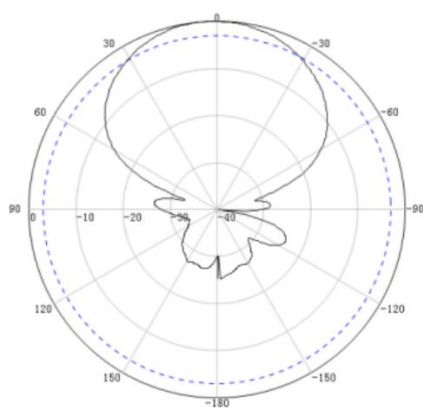
General / Chamber Setup



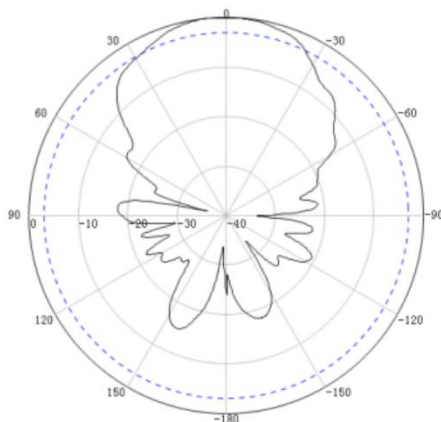
Radiation Pattern – Vertical and Horizontal Plane

LD617-6000S143

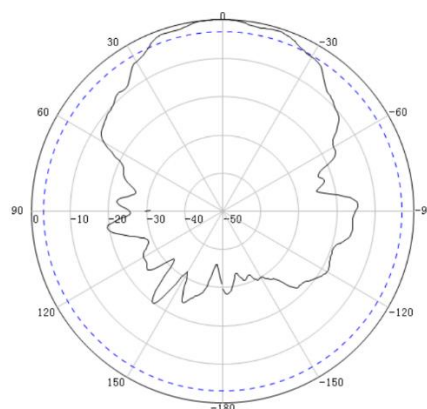
Vertical



960MHz

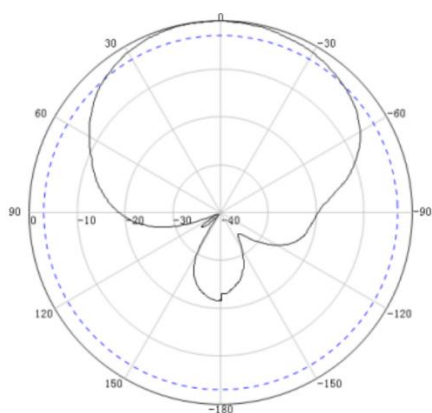


1880MHz

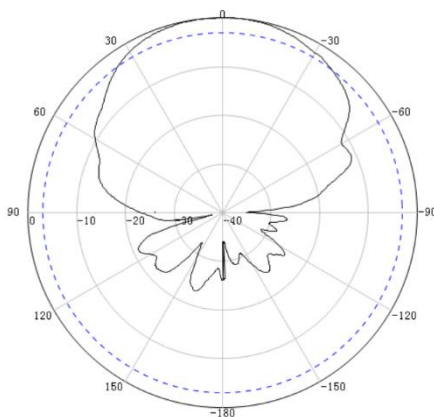


3800MHz

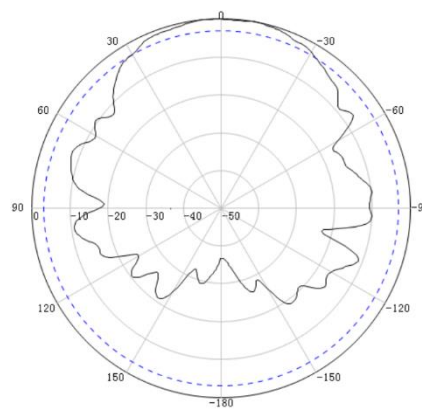
Horizontal



960MHz



1880MHz



3800MHz

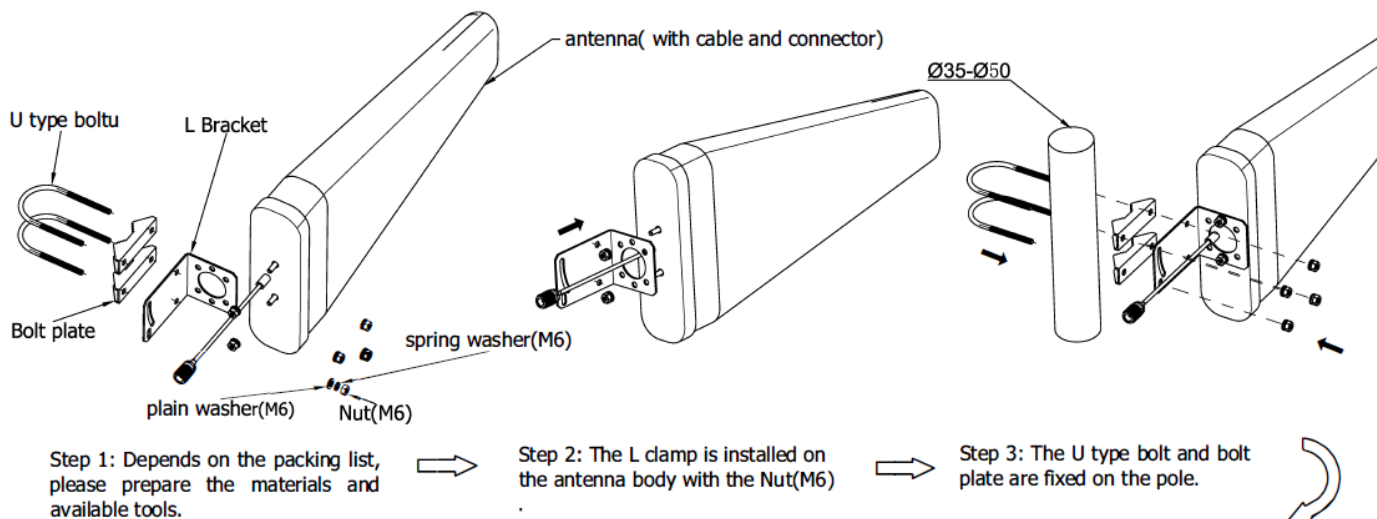
PACKAGING

LD617-6000S143

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

Installation instructions

LD617-6000S143



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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