



XingYue Communication Technology Co., Ltd.

Product Name: LTE Log Periodic Antenna

Product Model: XY114607

Electrical Specifications

Frequency Range	698-800MHz	800-960MHz	1710-2700MHz
Polarization Type	Vertical		
Gain	$6.5 \pm 1\text{dBi}$	$8 \pm 1\text{dBi}$	$10 \pm 1\text{dBi}$
VSWR	$\leq 1.8:1$	$\leq 1.7:1$	$\leq 1.5:1$
Horizontal Beamwidth	$80^\circ \pm 8^\circ$	$70^\circ \pm 8^\circ$	$65^\circ \pm 10^\circ$
Vertical Beamwidth	$60^\circ \pm 8^\circ$	$55^\circ \pm 8^\circ$	$50^\circ \pm 10^\circ$
Front-to-back Ratio	$\geq 14\text{dB}$	$\geq 14\text{dB}$	$\geq 15\text{dB}$
PIM3@ (2*33dBm)	$\leq -140\text{dBc}$		
Input Impedance	50Ω		
Max Power	50W		
Lightning Protection	DC Ground		

Mechanical Specifications

Connector Type	N Female
Dimensions (L*W*H)	292*211*62mm(11.5*8.3*2.4in)
Radiating Element Material	Aluminum
Reflector Material	Aluminum
Weight	0.85kg
Radome Material	UABS
Radome Color	White
Mounting Pole	$\phi 30 \sim 52 \text{ mm}$
Cable	RG141
Operating Temperature	$-40^\circ\text{C} \sim 60^\circ\text{C}$

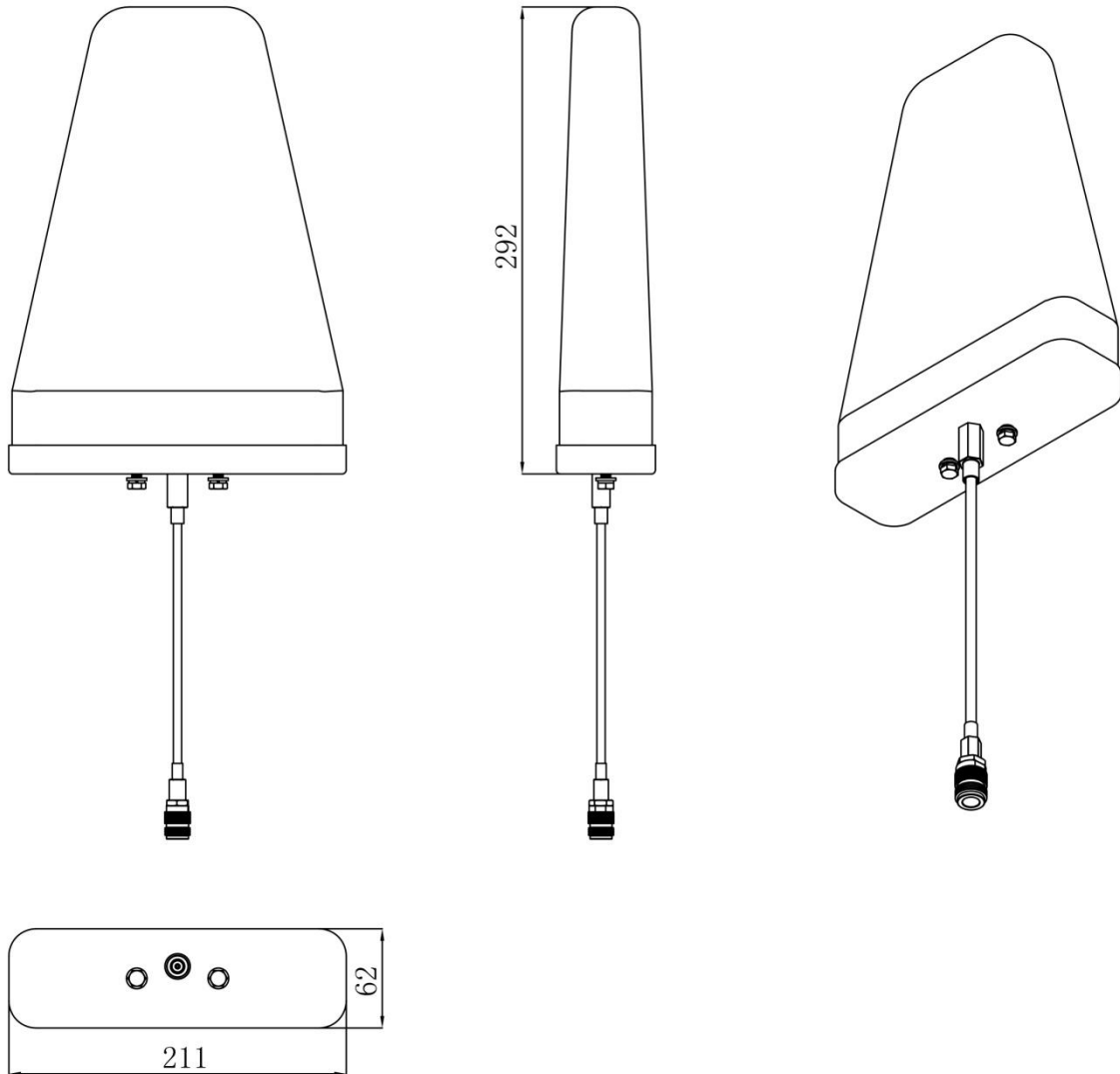


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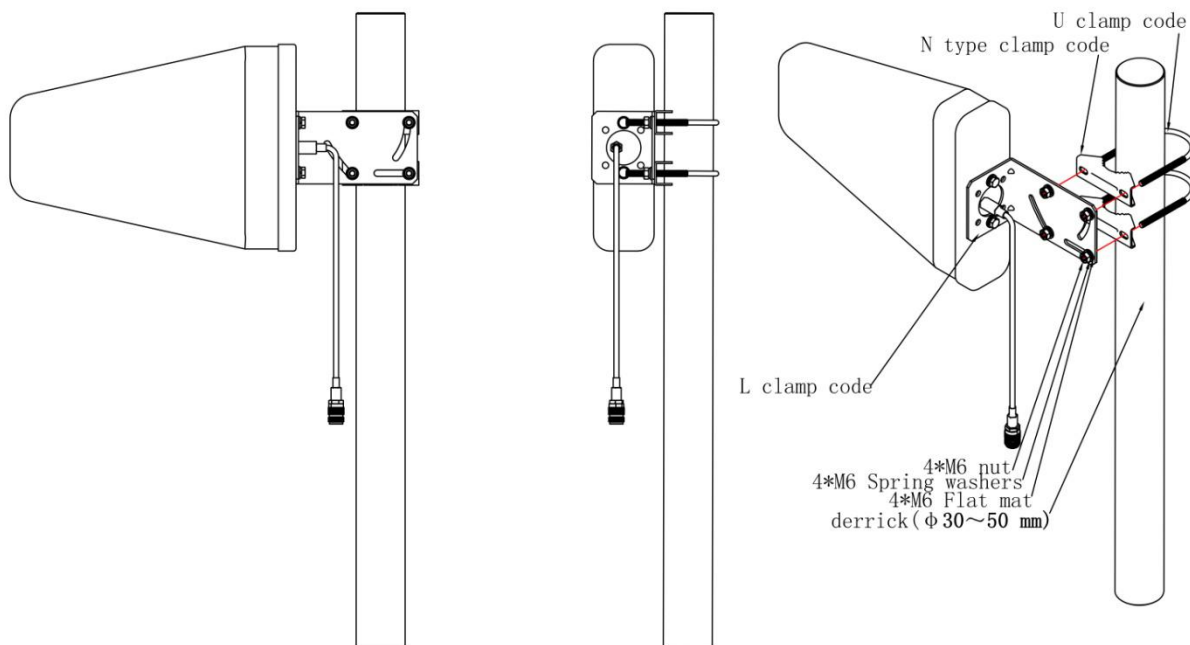


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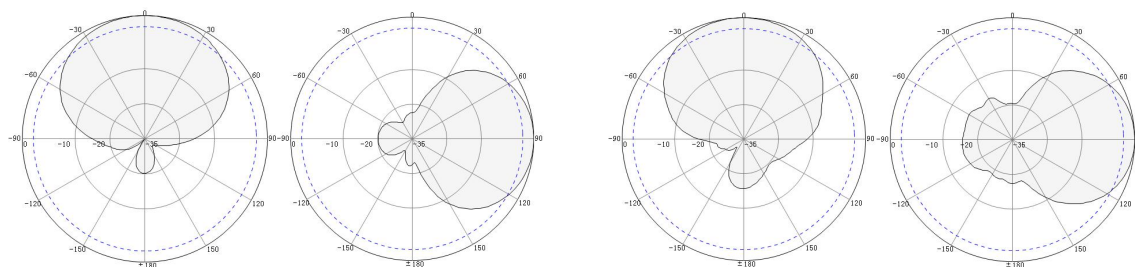
Product Diagram:



Installation Guide:



Directional Pattern:



800MHz-H

800MHz-V

2500MHz-H

2500MHz-V

PS:

H: Horizontal Pattern

V: Vertical Pattern