

Product Data Sheet

LPA5168DPS

V2, 5.15-6.875GHz, 2X2 MIMO, Vertical and Horizontal Pol, 90° (-6dB)/ 60° (-3dB), 18dBi Sector Antenna

LPA5168DPS is a V2, two ports, 90 degree (-6dB)/ 60 degree(-3dB) wideband sector antenna working at 5.15-6.875GHz. It is designed for WiFi 7 and future use, and almost half size compared to V1 antenna of LinQ.



Features

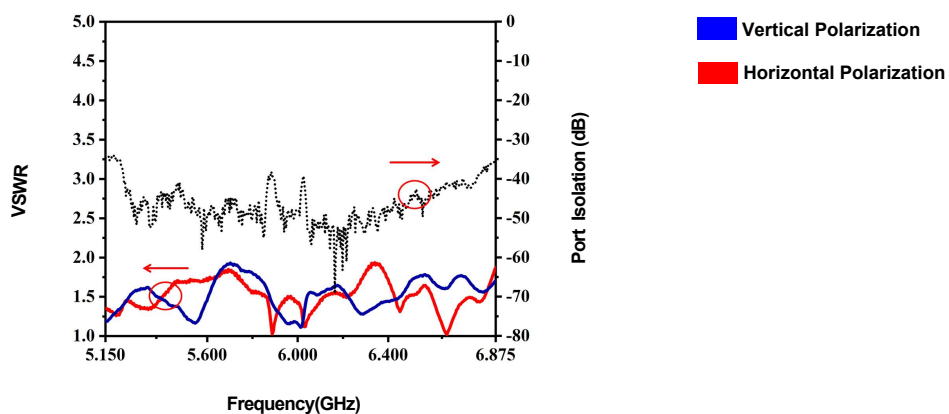
- A single antenna covers 5.15-6.875GHz.
- 18dBi gain to cover long distance.
- Compact size to help deploy networks easily.

Electrical Specifications

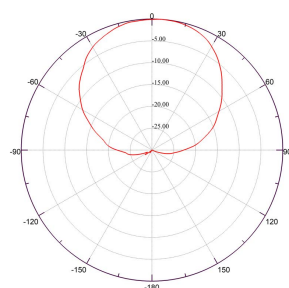
Frequency Band	GHz	5.15-5.2	5.2-5.4	5.4-5.9	5.9-6.4	6.4-6.875
Gain	dBi	17.0±0.5	17.7±0.3	17.8±0.2	17.8±0.3	17.8±0.2
Polarization		Dual Pol (H pol & V pol)				
Horizontal Beamwidth(-3dB)	Degree	61±3		59±4	65±5	66±4
Horizontal Beamwidth(-6dB)	Degree	87±5				
Vertical Beamwidth(-3dB)	Degree	8.5				
Front-to-Back Ratio @180°±30° [typical]	dB	>35				
Cross Polarization Discrimination Over HPBW [typical]	dB	30				
VSWR		<1.5 [Typical] ; <2.0 [Maximum]				
Return Loss	dB	14[Typical]; 9.5 [Maximum]				
Ports Isolation [typical]	dB	>40				
Max. Input Power	W	100				
Impedance	Ohms	50				

Mechanical Specifications

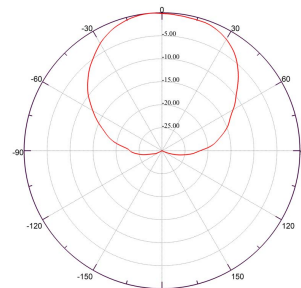
Antenna Size	378*158*121mm / 14.9*6.2*4.8 inch
Mounting Type	Pipe Mount
Mounting Mast size	Φ40-Φ85mm / Φ1.57-Φ3.35 inch
Antenna Color	RAL 7035 (light grey)
Connector	2*RP-SMA
Waterproof level	IP55
Salt Fog Exposure	120 hour
Wind Velocity Survival Rating	100mph / 160km/h
Ice-load	25mm
Operating temperature	-40 to +60℃
Antenna Weight	3.1kg / 6.8 lbs
Mounting Bracket Weight	1.6kg / 3.5 lbs
Single Unit	Carton Box: 460*205*275mm / 18.11*8.07*10.83 inch



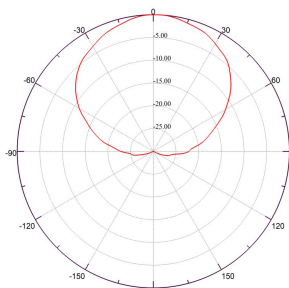
Azimuth Pattern-H pol



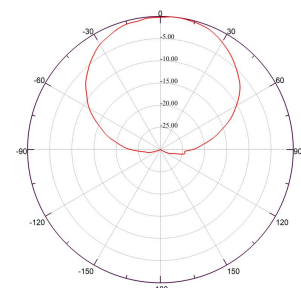
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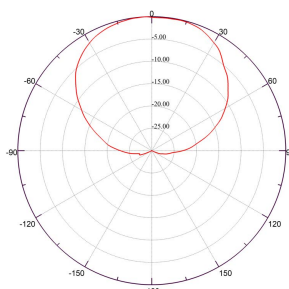
5600MHz



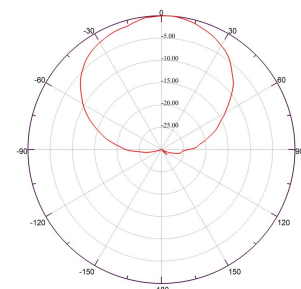
5900MHz



6200MHz

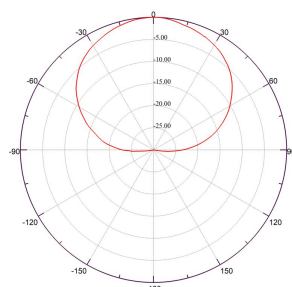


6600MHz

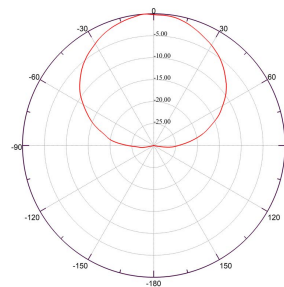


6875MHz

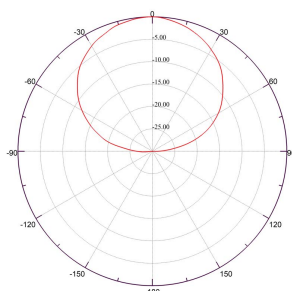
Azimuth Pattern-V pol



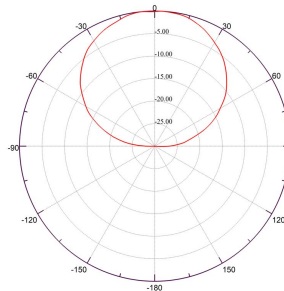
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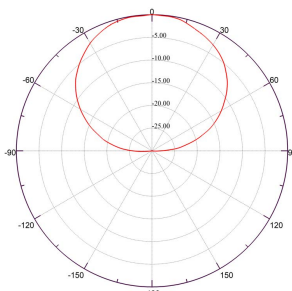
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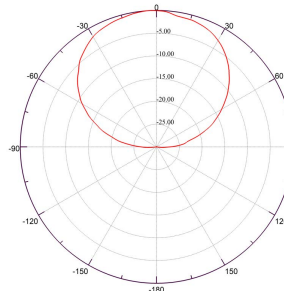
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6200MHz

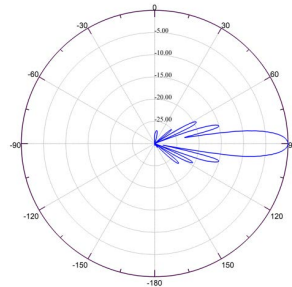


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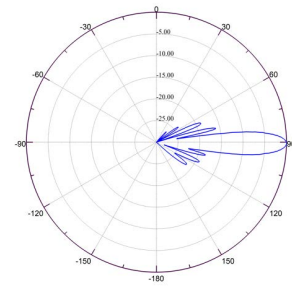


6875MHz

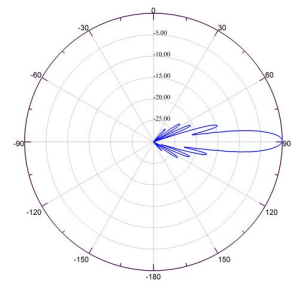
Elevation Pattern-H pol



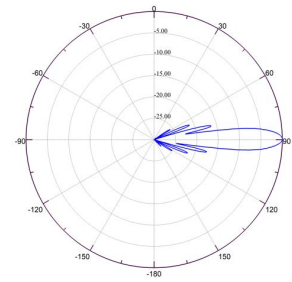
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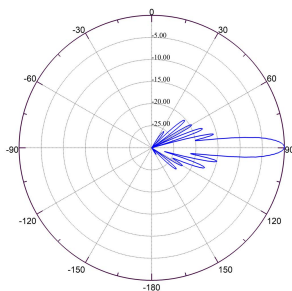
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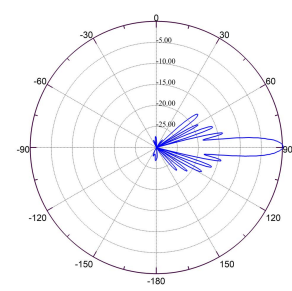
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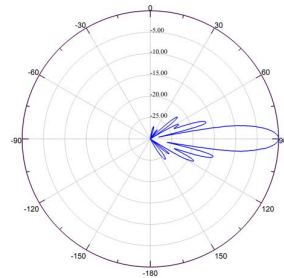


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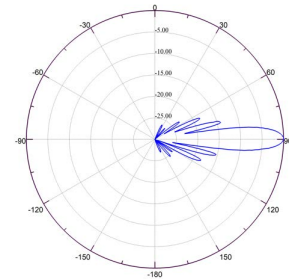


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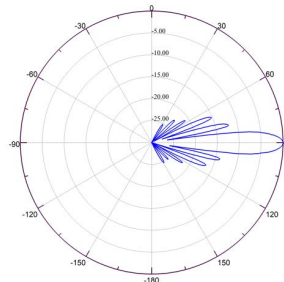
Elevation Pattern-V pol



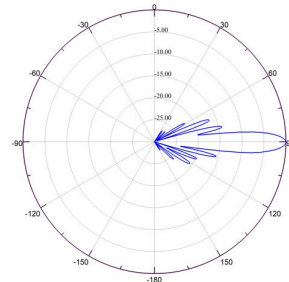
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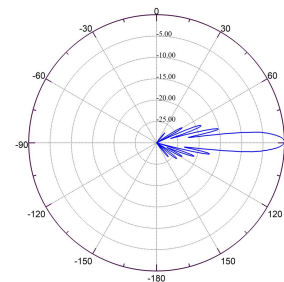
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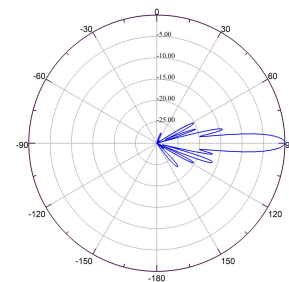
5900MHz



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6600MHz



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