

Product Data Sheet

LPA5168DP

5.15-6.875GHz, 2X2 MIMO, Vertical and Horizontal Pol, 90 Degree(-6dB)/ 65 Degree (-3dB), 18dBi Sector Antenna

LPA5168DP is a 2 port, 90 degree (-6dB)/ 65 degree(-3dB) sector antenna working at 5.15-6.875GHz, which is designed to cover U-NII-2 to U-NII-7. It has 18dBi gain, 8.5 degree (-3dB) elevation beamwidth, more than 35dB F/B ratio, and perfect pattern plots.



Features

- Cover wide band from U-NII-2 to U-NII-7, which is 5.15-6.875GHz.
- 18dBi gain to cover long distance.
- Big F/B ratio and forward shape pattern plots to reduce noise.

Electrical Specifications

Frequency Band	GHz	5.15-5.4	5.4-5.9	5.9-6.4	6.4-6.875
Gain	dBi	17.2±0.4	17.7±0.2	18.0±0.2	17.7±0.2
Polarization		Dual Pol (H pol & V pol)			
Horizontal Beamwidth(-3dB)	Degree	66±3	63±2	62±1	69±5
Horizontal Beamwidth(-6dB)	Degree	90±5			
Vertical Beamwidth(-3dB)	Degree	8.5			
Front-to-Back Ratio @180°±30° [typical]	dB	>35			
Cross Polarization Discrimination Over HPBW [typical]	dB	20			
VSWR [V pol]		<1.5 [Typical] ; <1.9 [Maximum]			
VSWR [H pol]		5.15-5.2GHz: <1.6 [Typical] ; <2.2 [Maximum] ; 5.2-6.875GHz: <1.5 [Typical] ; <2.0 [Maximum] ;			
Return Loss [V pol]	dB	14[Typical]; 10 [Maximum];			
Return Loss [H pol]	dB	5.15-5.2GHz: 13[Typical]; 8.5 [Maximum]; 5.2-6.875GHz: 14 [Typical]; 9.5[Maximum]			
Ports Isolation	dB	>40			
Max. Input Power	W	100			
Impedance	Ohms	50			

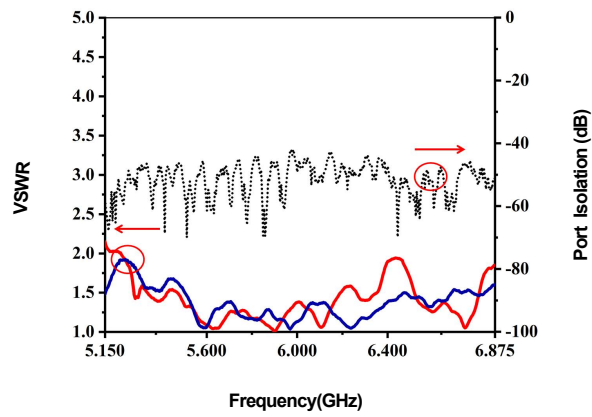
Mechanical Specifications

Antenna Size	392*316*98mm / 15.43*12.4*3.9 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	4.0kg / 8.8 lbs
Mounting Bracket Weight	1.21kg / 2.68 lbs
Single Unit	Carton Box: 520*382*235mm / 20.47*15.04*9.25 inch

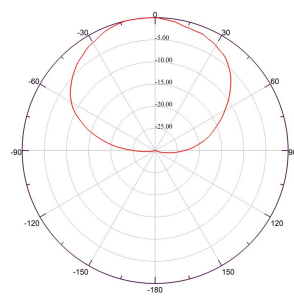
LinQ Antenna Technology Inc.

Address: 116 8th Street South, Unit 200, Lethbridge, Alberta, T1J 2J3, Canada

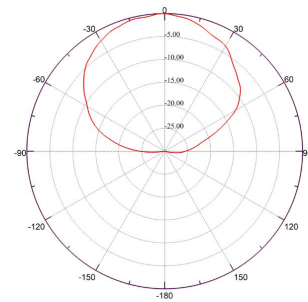
E-mail: inquiry@linqtech.ca



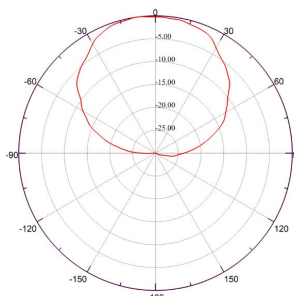
Azimuth Pattern-H pol



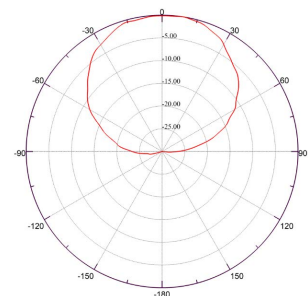
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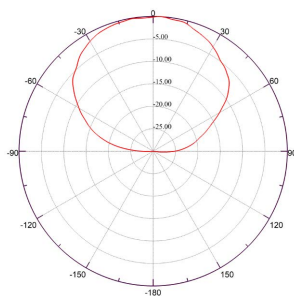
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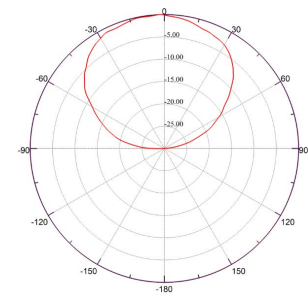
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6200MHz

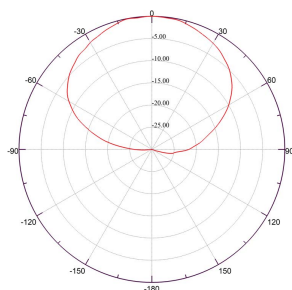


6600MHz

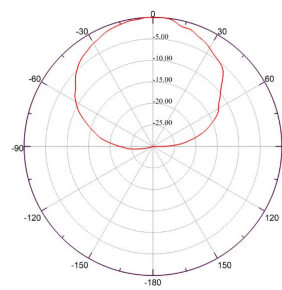


6875MHz

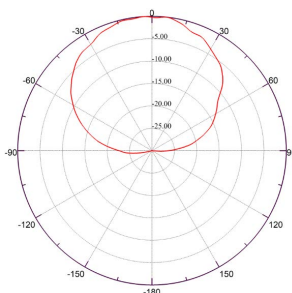
Azimuth Pattern-V pol



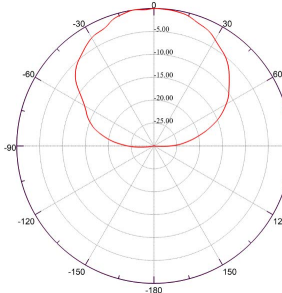
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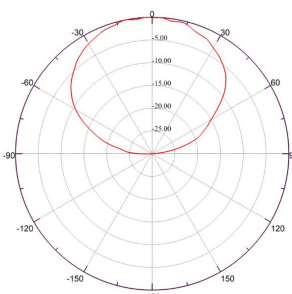
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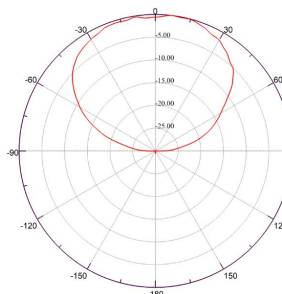
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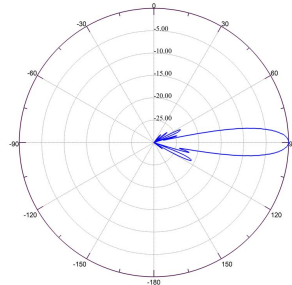


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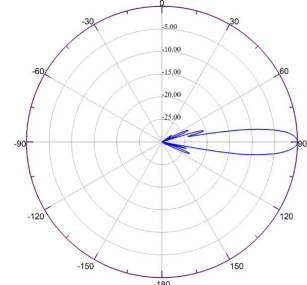


6875MHz

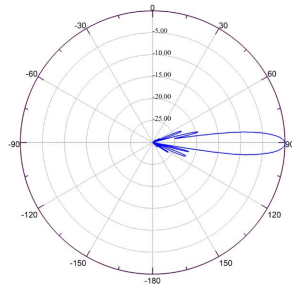
Elevation Pattern-H pol



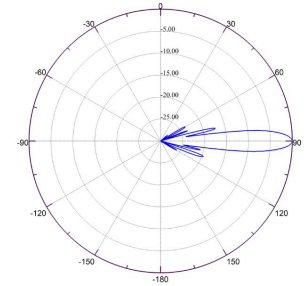
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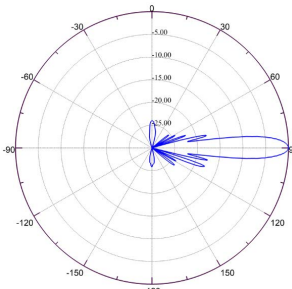
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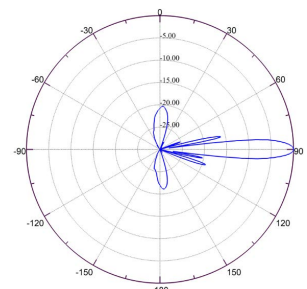
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6200MHz

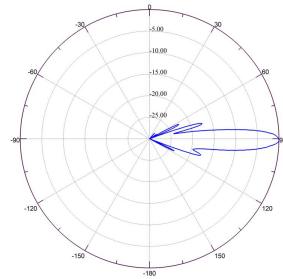


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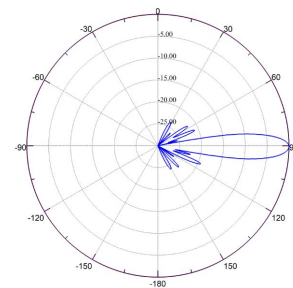


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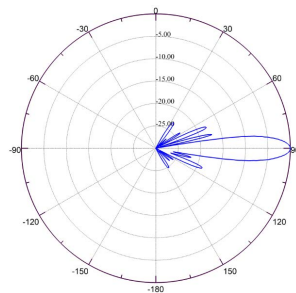
Elevation Pattern-V pol



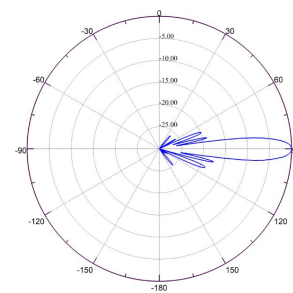
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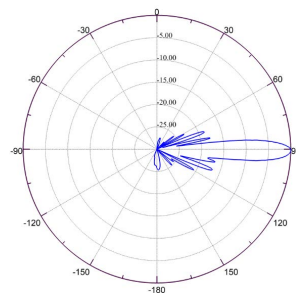
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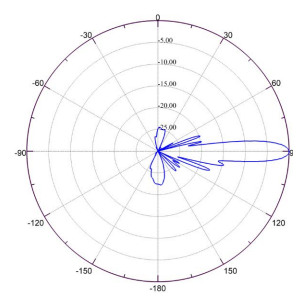
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6200MHz



6600MHz



6875MHz

