

Product Data Sheet

LPA5168DPH

5.15-6.875GHz, 2X2 MIMO, Vertical and Horizontal Pol, 90 Degree(-6dB)/ 65 Degree (-3dB), 19dBi Sector Antenna

LPA5168DPH 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 19dBi gain, 6 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.
- 19dBi 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	17.9±0.5	18.8±0.4	19.2±0.1	18.9±0.2
Polarization		Dual Pol (H pol & V pol)			
Horizontal Beamwidth(-3dB)	Degree	67±5	63±5	62±2	70±3
Horizontal Beamwidth(-6dB)	Degree	90±5			
Vertical Beamwidth(-3dB)	Degree	6.0			
Front-to-Back Ratio @180°±30° [typical]	dB	>35			
Cross Polarization Discrimination Over HPBW [typical]	dB	20			
VSWR [V pol]		<1.5 [Typical] ;<2.0 [Maximum]			
VSWR [H pol]		<1.6 [Typical] ;<2.1 [Maximum]			
Return Loss	dB	V pol: 14[Typical]; 9.5 [Maximum]; H pol:13 [Typical]; 9.0[Maximum]			
Ports Isolation	dB	>40			
Max. Input Power	W	100			
Impedance	Ohms	50			

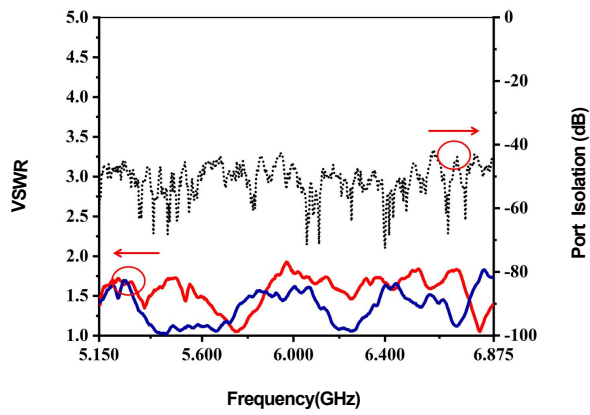
Mechanical Specifications

Antenna Size	556*316*98mm / 21.9*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	5.8kg / 12.79 lbs
Mounting Bracket Weight	1.21kg / 2.68 lbs
Packaging	Carton
Single Unit	Carton Box: 695*400*255mm /27.36 *15.74*10.04 inch

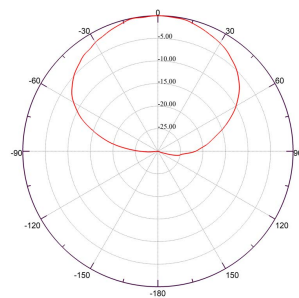
LinQ Antenna Technology Inc.

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

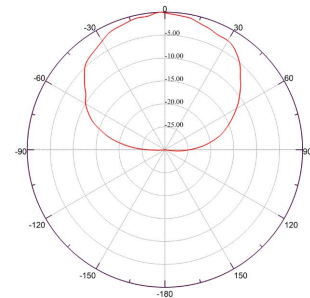
E-mail: inquiry@linqtech.ca



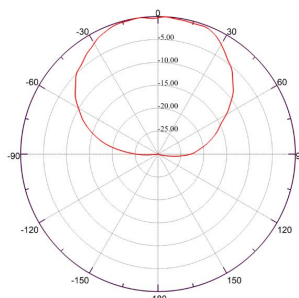
Azimuth Pattern-H pol



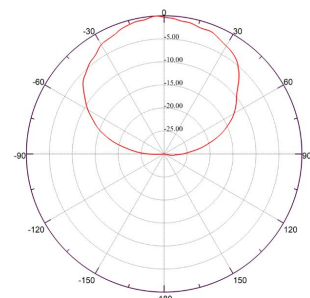
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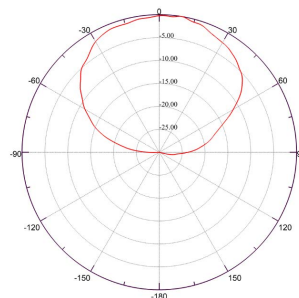
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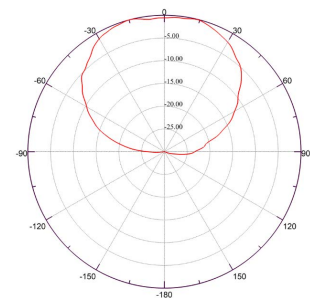
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6200MHz

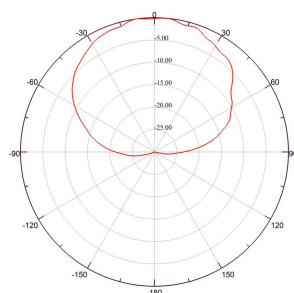


6600MHz

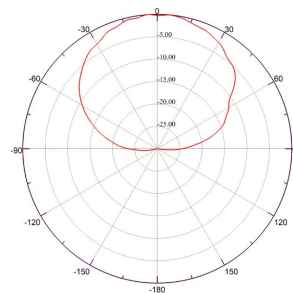


6875MHz

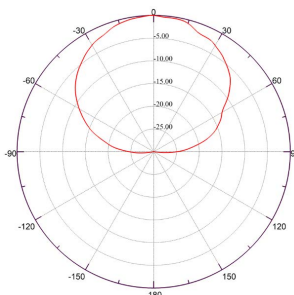
Azimuth Pattern-V pol



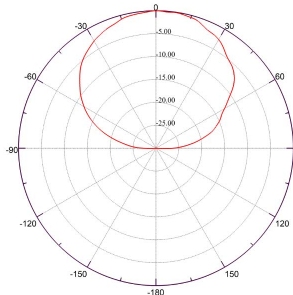
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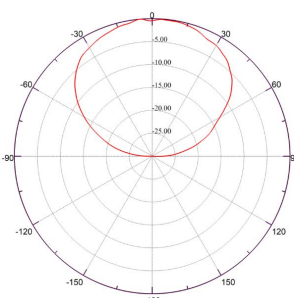
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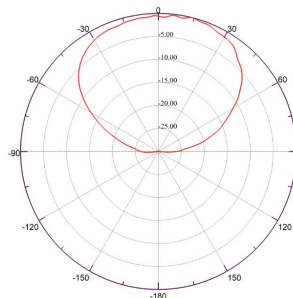
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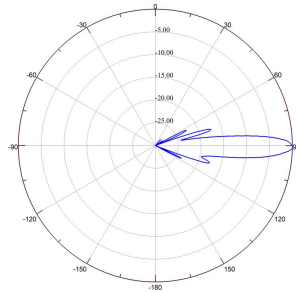


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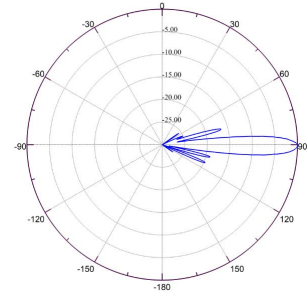


6875MHz

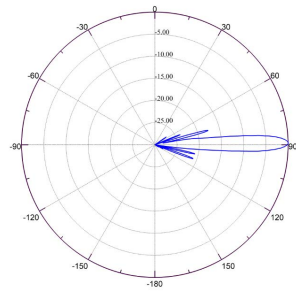
Elevation Pattern-H pol



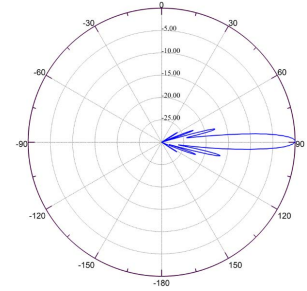
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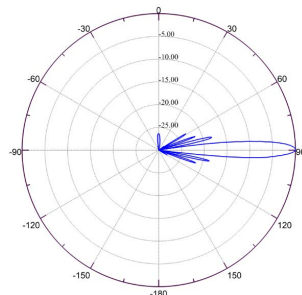
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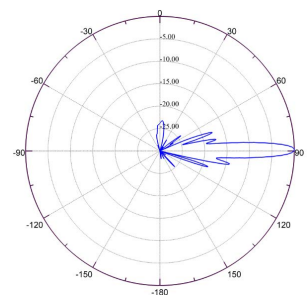
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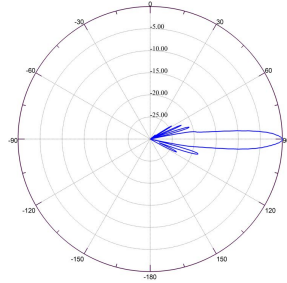


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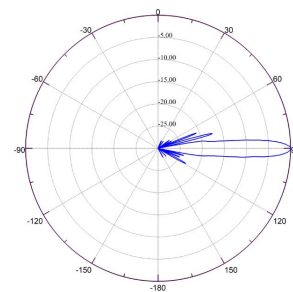


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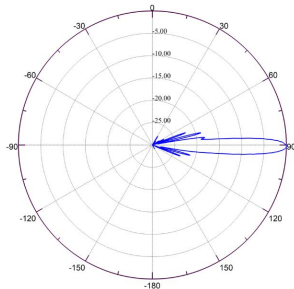
Elevation Pattern-V pol



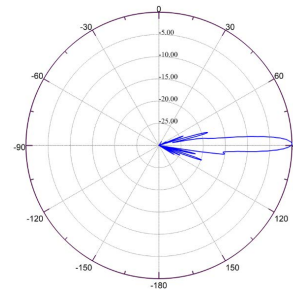
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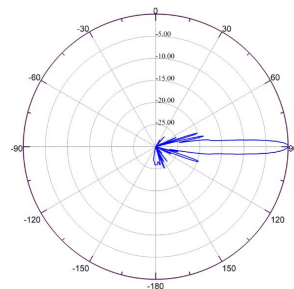
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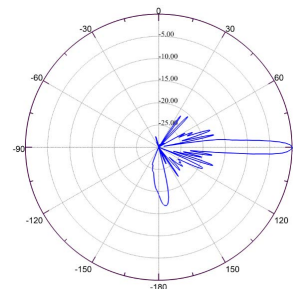
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6200MHz



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