

Product Data Sheet

LPA5168HVX

V2, 5.15-6.875GHz, 4X4 MIMO, Vertical and Horizontal Pol, 90° (-6dB)/ 60° (-3dB), 18dBi Sector Antenna

LPA5168HVX is a four-port, wideband sector antenna working at 5.15-6.875GHz. It is designed for WiFi 7 and future use. It has dual 2x2 ports, and each set of 2x2 is at a 90-degree angle to another set, so, one single LPA5168HVX is able to cover 180 degrees at -6dB.



Features

- A single antenna covers 180 degrees at -6dB.
- Working at 5.1-6.9GHz, and 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±0.3	17.6±0.2	18.0±0.2	18.1±0.2	17.8±0.3
Polarization		Dual Pol (H pol & V pol)				
Horizontal Beamwidth(-3dB)	Degree	59±4		58±4	59±5	62±4
Horizontal Beamwidth(-6dB)	Degree	87±5				
Vertical Beamwidth(-3dB)	Degree	8				
Front-to-Back Ratio @180°±30° [typical]	dB	>35				
Cross Polarization Discrimination Over HPBW [typical]	dB	25				
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				

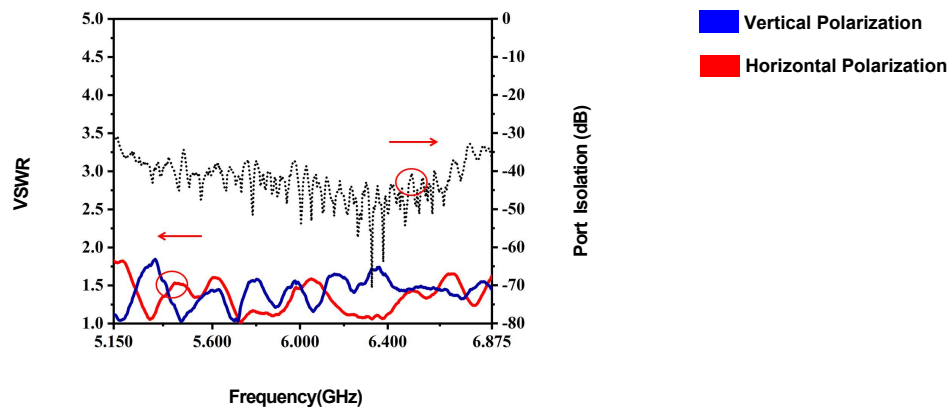
Mechanical Specifications

Antenna Size	375*358*209mm / 14.76*14.1*8.23inch
Mounting Type	Pipe Mount
Mounting Mast size	Φ40-Φ85mm / Φ1.57-Φ3.35 inch
Antenna Color	RAL 7035 (light grey)
Connector	4*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	7.9kg / 17 lbs
Mounting Bracket Weight	2.06kg / 4.5 lbs
Single Unit	Carton Box: 400*400*365mm / 15.74*15.74*14.37inch

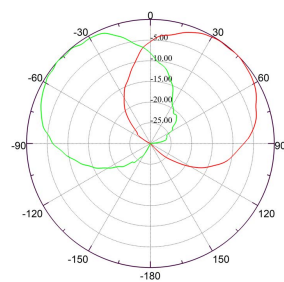
LinQ Antenna Technology Inc.

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

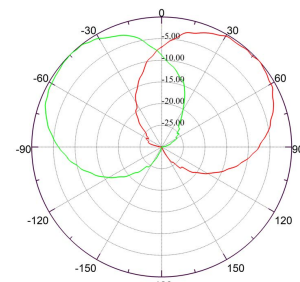
E-mail: inquiry@linqtech.ca



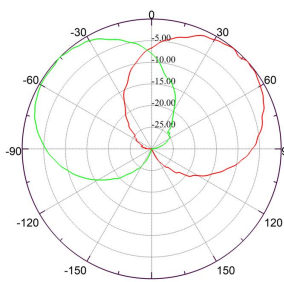
Azimuth Pattern-H pol



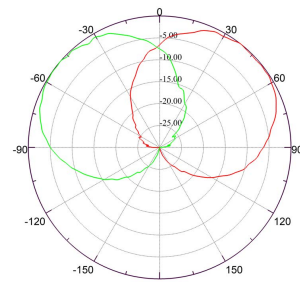
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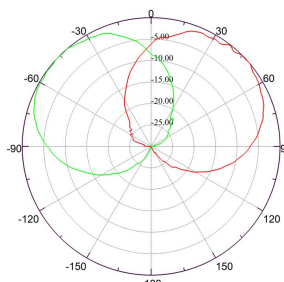
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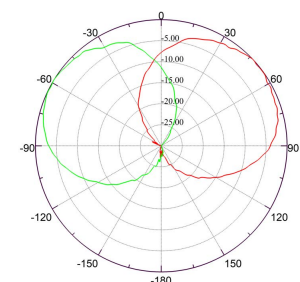
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6200MHz

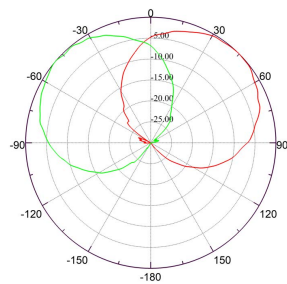


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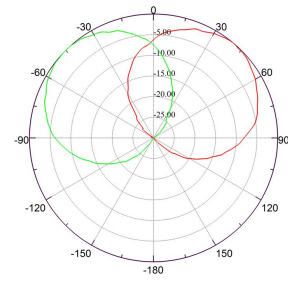


6875MHz

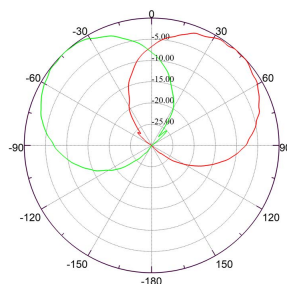
Azimuth Pattern-V pol



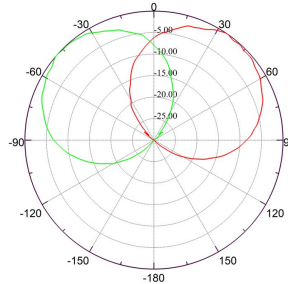
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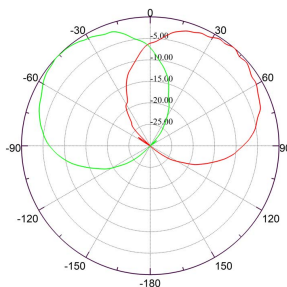
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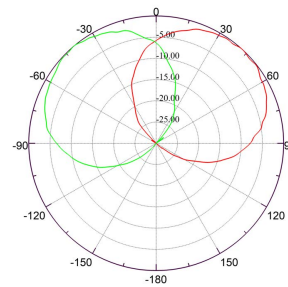
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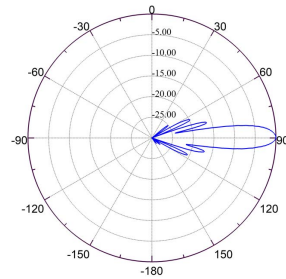


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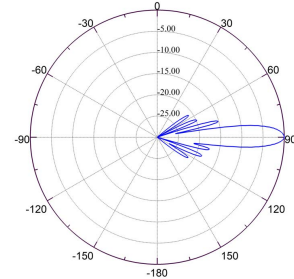


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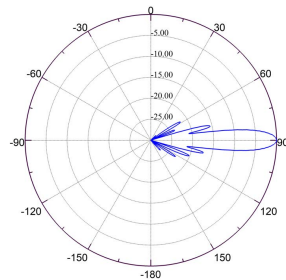
Elevation Pattern-H pol



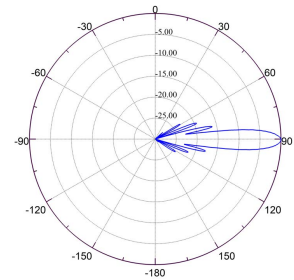
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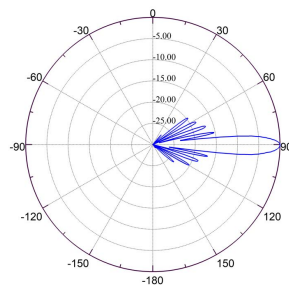
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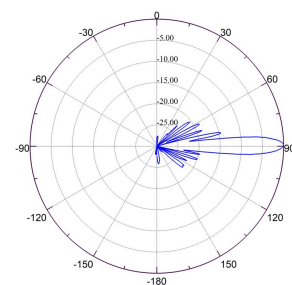
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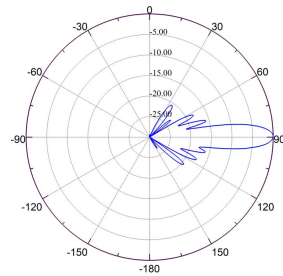


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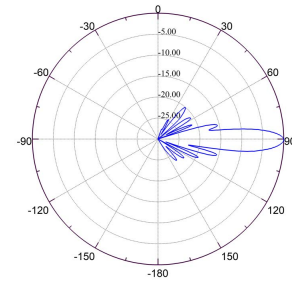


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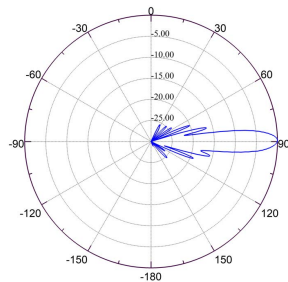
Elevation Pattern-V pol



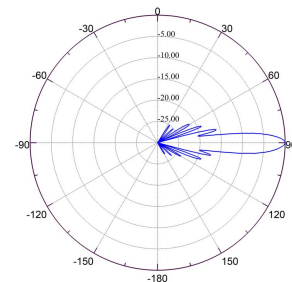
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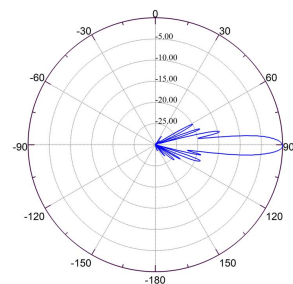
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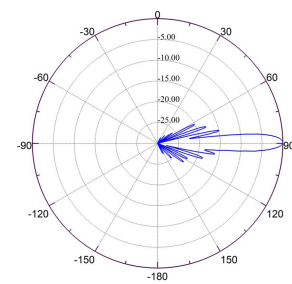
5900MHz



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