

Product Data Sheet

LPA5971HV

5.925-7.125GHz, 4X4 MIMO, Vertical and Horizontal Pol, 60 Degree(-3dB), 19dBi Sector Antenna

LPA5971HV is a 4 ports, 60 degrees (-3dB) sector antenna working at 5.925-7.125GHz. It has 19dBi gain, 6.0 degree elevation beamwidth, and more than 35dB F/B ratio.

Features

- 19dBi high gain to cover long distance.
- More than 35dB F/B ratio to reduce co-location noise disturbance.
- Compact size of 545mm length.



Electrical Specifications

Frequency Band	GHz	5.925-6.4	6.4-6.875	6.875-7.125
Gain	dBi	18.8±0.3	19±0.3	18.7±0.3
Polarization		Dual Pol (H pol & V pol)		
Horizontal Beamwidth(-3dB)	Degree	58±2	60±5	66±3
Horizontal Beamwidth(-3.5dB)	Degree	67±2	70±5	76±5
Horizontal Beamwidth(-6dB)	Degree	84±3	87±5	91±5
Vertical Beamwidth(-3dB)	Degree	6.0		
Vertical Beamwidth(-6dB)	Degree	7.7		
Front-to-Back Ratio @180°±30° [typical]	dB	>35		
Electrical Downtilt	Degree	3		
Cross Polarization Discrimination Over HPBW [typical]	dB	15		
VSWR		<1.5 [Typical] ; <2.0 [Maximum]		
Return Loss	dB	14[Typical]; 9.54 [Maximum]		
Ports Isolation	dB	5.925-6.1GHz: 20-24 ; 6.2-7.125GHz: 25-32		
Max. Input Power	W	100		
Impedance	Ohms	50		

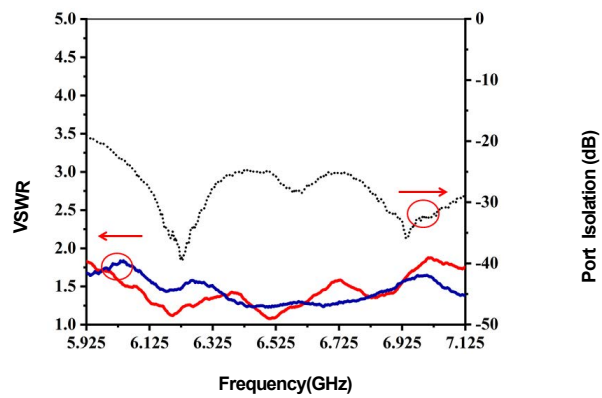
Mechanical Specifications

Antenna Size	545*316*98mm / 21.5 *12.4*3.9inch
Mounting Type	Pipe Mount
Mounting Mast size	Φ40-Φ85mm / Φ1.57-Φ3.35inch
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	6.2kg / 13.67lbs
Mounting Bracket Weight	1.21kg / 2.68lbs
Packaging	Carton
Single Unit	Carton Box: 665*400*260mm / 26.18*15.75*10.24inch

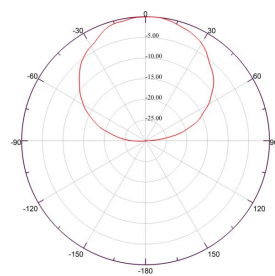
LinQ Antenna Technology Inc.

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

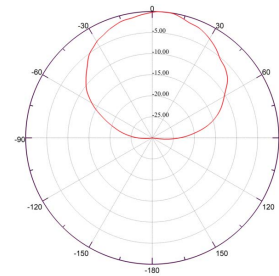
E-mail: inquiry@linqtech.ca



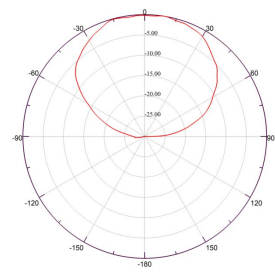
Azimuth Pattern-H pol



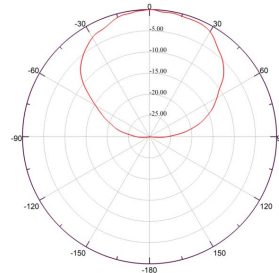
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6500MHz

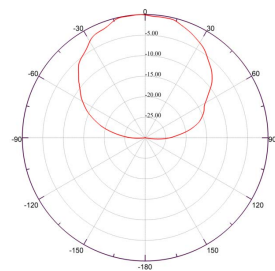


6800MHz

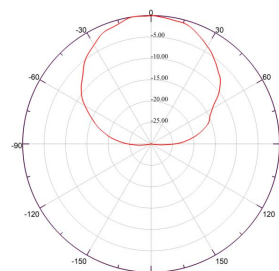


7000MHz

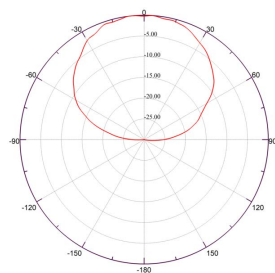
Azimuth Pattern-V pol



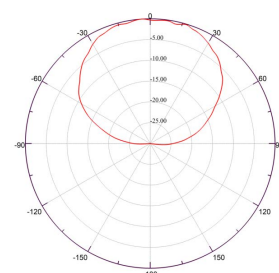
6200MHz



6500MHz

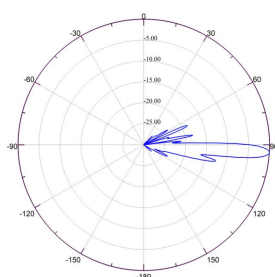


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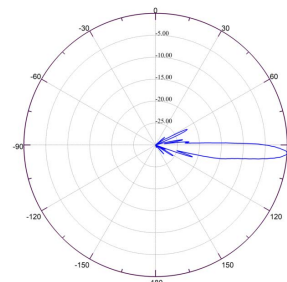


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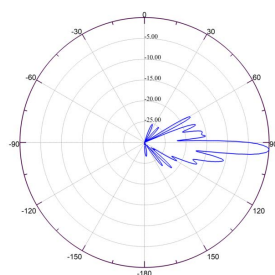
Elevation Pattern-H pol



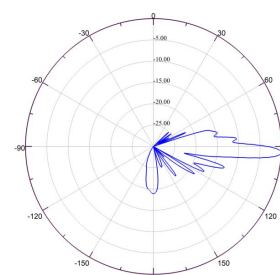
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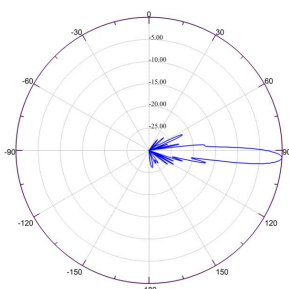


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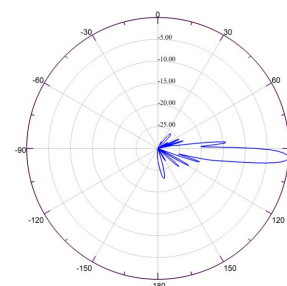


7000MHz

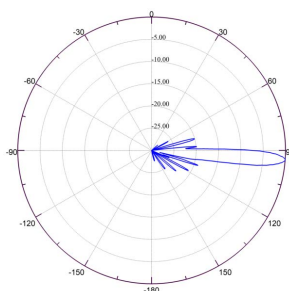
Elevation Pattern-V pol



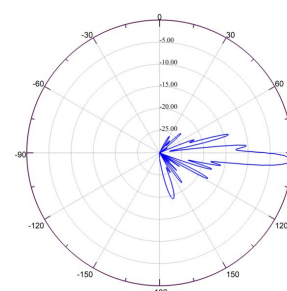
6200MHz



6500MHz



6800MHz



7000MHz

