

Product Data Sheet

LD5168DP2-2PK

642mm Diameter, 5.15-6.875GHz, Dual Pol (H&V or Slant $\pm 45^\circ$), 30dBi Parabolic Dish Antenna

Features

- Wide bandwidth to cover U-NII-1 to U-NII-7.
- Clean Signal, Maximum Speed: By suppressing side lobes, we maximize your SINR.
- A weather-proof ABS radome is available to reduce windload, and protect antenna.
- Built for the Coast, Ready for the World: UV-stable and saltwater-protected.

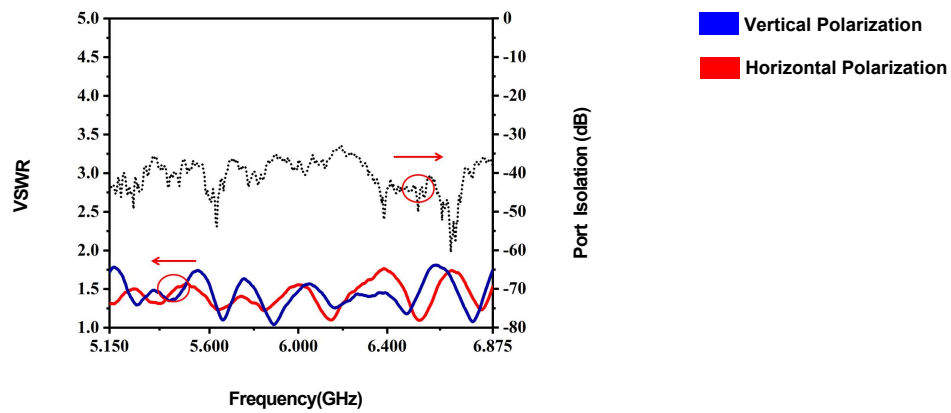
Electrical Specifications

Frequency Band	GHz	5.15-5.4	5.4-5.9	5.9-6.4	6.4-6.875
Gain	dBi	27.3 $\pm$ 0.5	28.9 $\pm$ 0.4	30 $\pm$ 0.5	30.5 $\pm$ 0.2
Polarization		Slant ($\pm 45^\circ$) or H/V			
Horizontal Beamwidth(-3dB)	Degree	6.0 $\pm$ 0.5	5.2 $\pm$ 0.4	4.7 $\pm$ 0.5	4.3 $\pm$ 0.4
Horizontal Beamwidth(-6dB)	Degree	8.5 $\pm$ 0.5	7.4 $\pm$ 0.5	6.5 $\pm$ 0.5	6.2 $\pm$ 0.5
Vertical Beamwidth(-3dB)	Degree	6.5 $\pm$ 0.5	5.2 $\pm$ 0.5	4.7 $\pm$ 0.3	4.4 $\pm$ 0.4
Front-to-Back Ratio @180 $^\circ$ $\pm$ 30 $^\circ$ [typical]	dB	40			
VSWR [typical]		<1.5			
Return Loss [typical]	dB	14			
Ports Isolation[typical]	dB	>30			
Max. Input Power Per Port	W	50			
Impedance	Ohms	50			

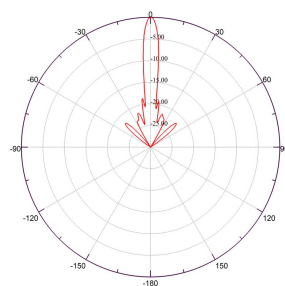
Mechanical Specifications

Antenna Size	Φ 642mm / Φ 25.3inch
Mounting Type	Pipe Mount
Mounting Mast size	Φ 30.5- Φ 89mm / Φ 1.2-3.5inch
Antenna Color	RAL 7035 (light grey)
Connector	2*RP-SMA
Waterproof level	IP55
Salt Fog Exposure	120 hour
Wind Velocity Survival Rating	125 mph / 201km/h
Wind Velocity Operational	90 mph / 145km/h
Ice-load	25mm
Operating temperature	-40 to +60 $^\circ$ C
Weight	14 kg / 30.87 lbs (2 units)
Packaging	Carton
2 Units	Carton Box: 690*690*265mm / 27.17*27.17*10.43inch

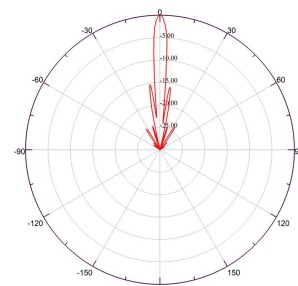




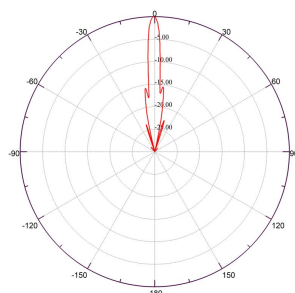
Azimuth Pattern-H pol



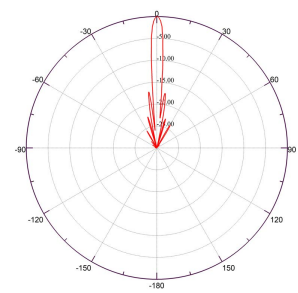
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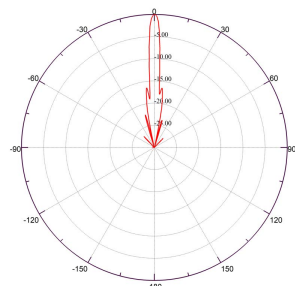
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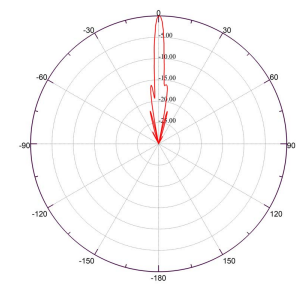
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6200MHz

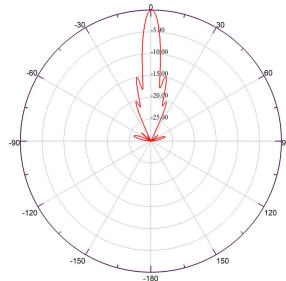


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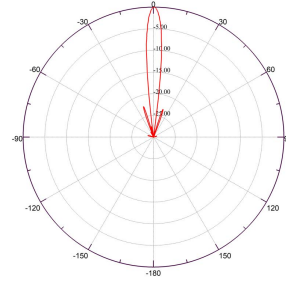


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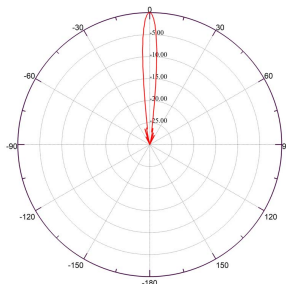
Azimuth Pattern-V pol



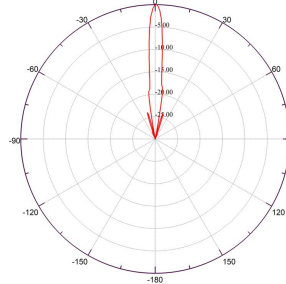
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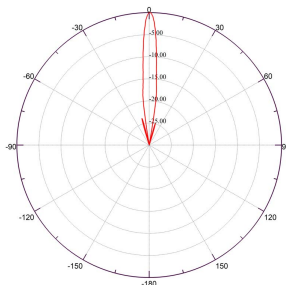
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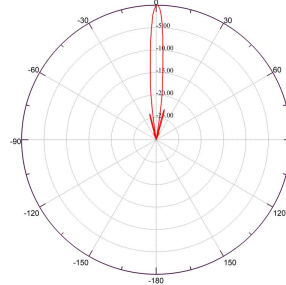
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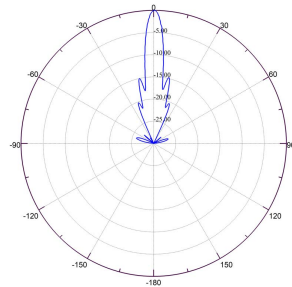


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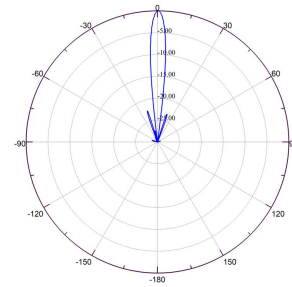


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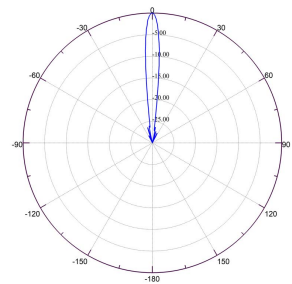
Elevation Pattern-H pol



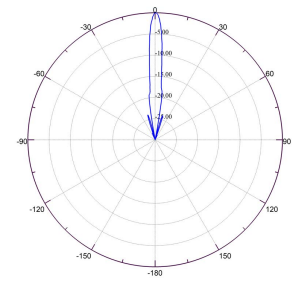
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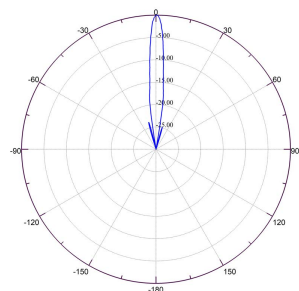
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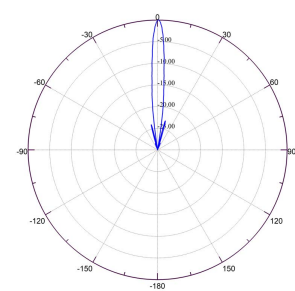
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6200MHz

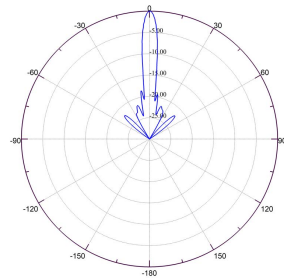


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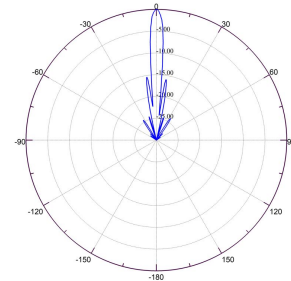


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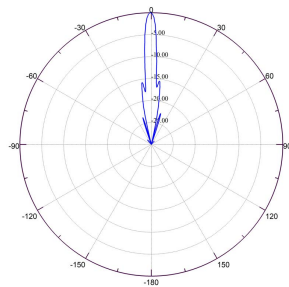
Elevation Pattern-V pol



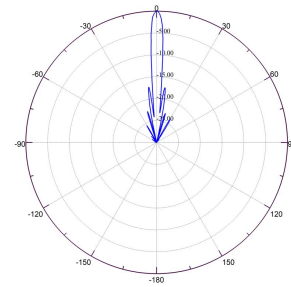
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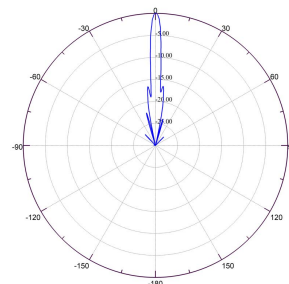
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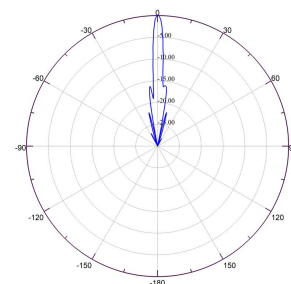
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