

## Product Data Sheet

### LD5168DP1

400mm Diameter, 5.15-6.875GHz, Dual Pol (H&V or Slant  $\pm 45^\circ$ ), 25dBi Parabolic Dish Antenna

#### Features

- **Broadband Coverage:** Spans U-NII-1 to U-NII-7.
- **High Performance:** Up to 25 dBi gain at most 6 GHz working frequencies.
- **CPE-Optimized:** Compact 400 mm diameter and lightweight build.



#### Electrical Specifications

|                                         |        |                     |         |          |           |
|-----------------------------------------|--------|---------------------|---------|----------|-----------|
| Frequency Band                          | GHz    | 5.15-5.4            | 5.5-5.9 | 6.0-6.4  | 6.5-6.875 |
| Gain                                    | dBi    | 22.1±0.5            | 25.2±1  |          |           |
| Polarization                            |        | Slant (±45°) or H/V |         |          |           |
| Horizontal Beamwidth(-3dB)              | Degree | 9.8±0.5             | 8.7±0.5 | 7.6±0.5  | 7.0±0.5   |
| Horizontal Beamwidth(-6dB)              | Degree | 14.0±0.5            | 12±0.5  | 10.6±0.5 | 10.0±0.5  |
| Vertical Beamwidth(-3dB)                | Degree | 9.8±0.5             | 8.7±0.5 | 7.7±0.5  | 7.0±0.5   |
| Front-to-Back Ratio @180°±30° [typical] | dB     | 35                  |         |          |           |
| VSWR [typical]                          |        | <1.5                |         |          |           |
| Return Loss [typical]                   | dB     | 14                  |         |          |           |
| Ports Isolation [typical]               | dB     | >30                 |         |          |           |
| Max. Input Power Per Port               | W      | 50                  |         |          |           |
| Impedance                               | Ohms   | 50                  |         |          |           |

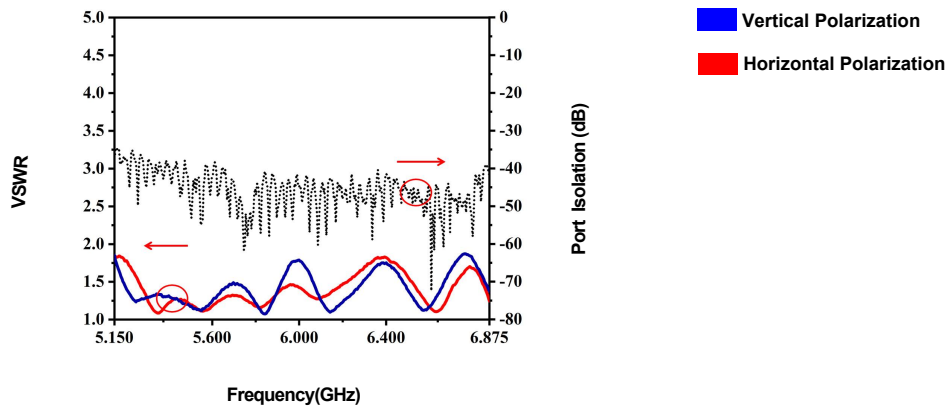
#### Mechanical Specifications

|                               |                                                 |
|-------------------------------|-------------------------------------------------|
| Antenna Size                  | $\Phi$ 397mm / $\Phi$ 15.63inch                 |
| Mounting Type                 | Hose Clamp                                      |
| Mounting Mast size            | $\Phi$ 30- $\Phi$ 80mm / $\Phi$ 1.2-3.1inch     |
| 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                        | 2.62 kg / 5.8 lbs                               |
| Packaging                     | Carton                                          |
| Single Unit                   | Carton Box: 580*420*140mm / 22.83*16.54*5.5inch |

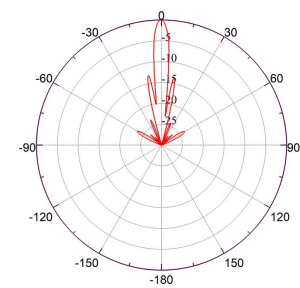
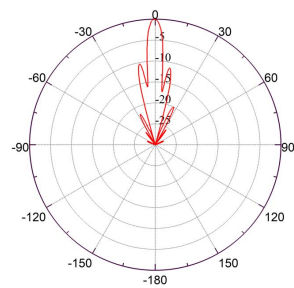
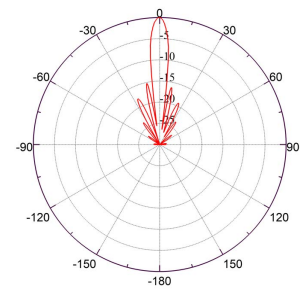
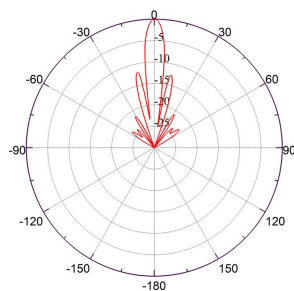
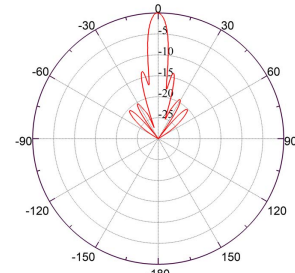
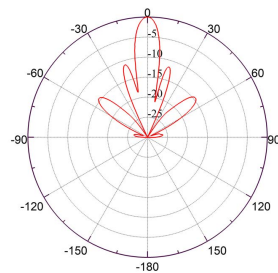
**LinQ Antenna Technology Inc.**

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

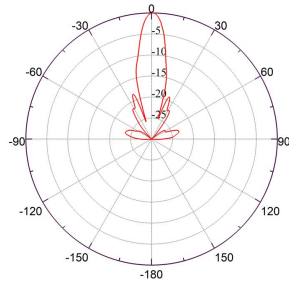
E-mail: [inquiry@linqtech.ca](mailto:inquiry@linqtech.ca)



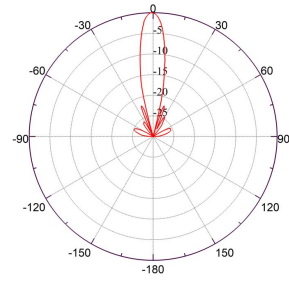
**Azimuth Pattern-H pol**



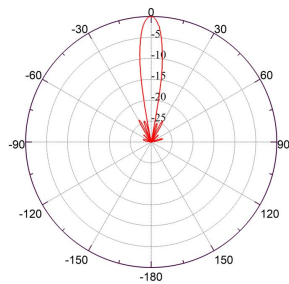
**Azimuth Pattern-V pol**



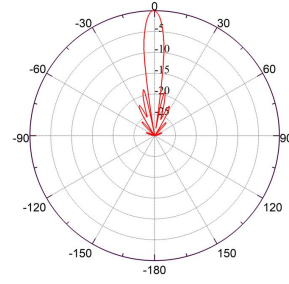
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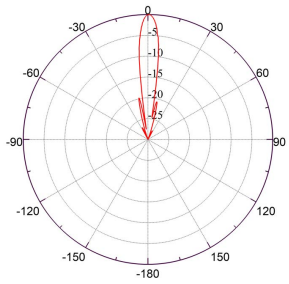
5600MHz



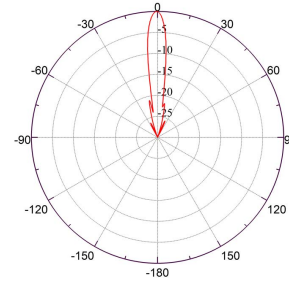
5900MHz



6200MHz

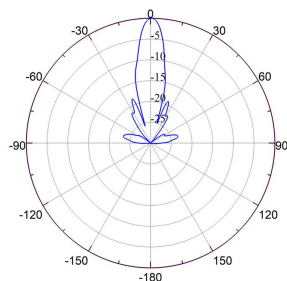


6600MHz

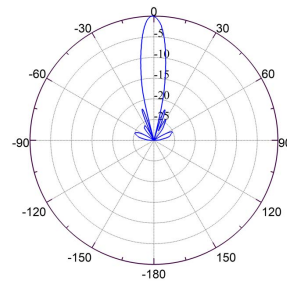


6875MHz

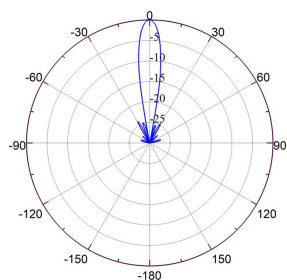
# Elevation Pattern-H pol



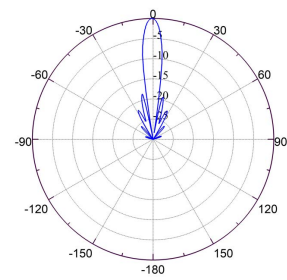
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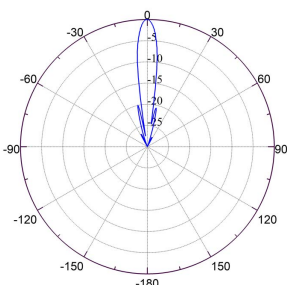
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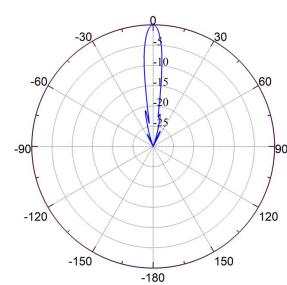
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6200MHz

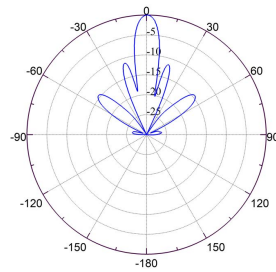


6600MHz

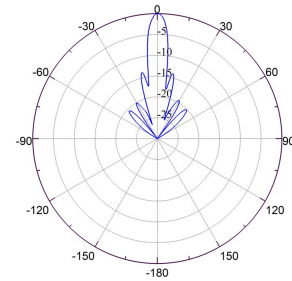


6875MHz

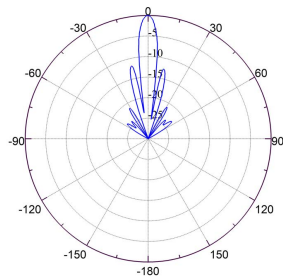
# Elevation Pattern-V pol



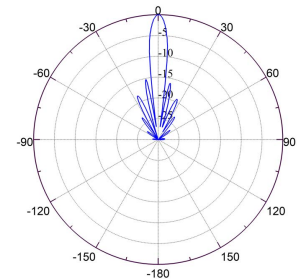
5150MHz



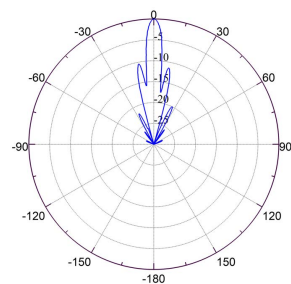
5600MHz



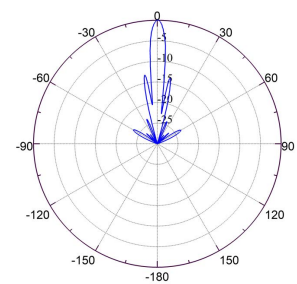
5900MHz



6200MHz



6600MHz



6875MHz

