



**Pacific Wireless**  
 693 E Draper Heights Way Suite 210  
 Draper, UT 84020  
 TEL (801) 572-3024  
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**New Product**

**GD24**  
**DATA SHEET**

**Grid Dish Parabolic Antenna**  
**2400 to 2485 MHz Operation**

**Features**

- 15dBi, 19dBi and 24dBi models Available
- Rugged and Weatherproof
- Ultra Low Wind Loading and Low Visual Impact
- Vertical or Horizontal Polarization
- Various Connectorization Choices

**Applications**

- 2.4GHz Wireless LAN Applications
- 802.11b and 802.11g Wireless
- Point to Point Backhaul
- Client Antennas



GD24-19 VPOL

**Description**

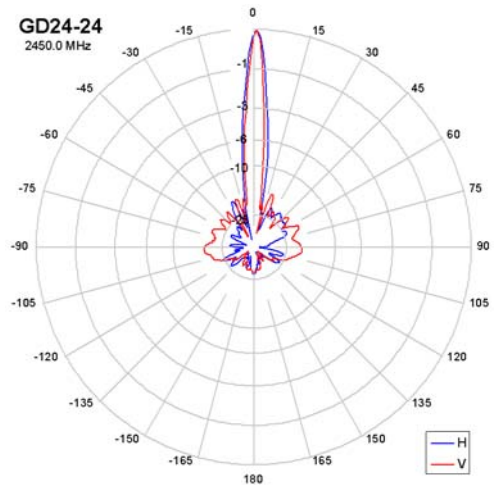
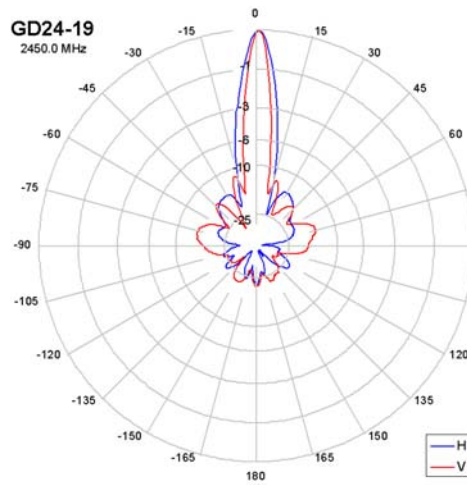
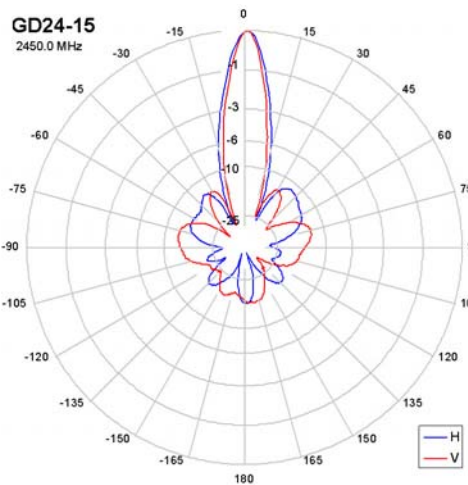
The 2.4GHz parabolic grid directional antennas offered by Pacific Wireless utilize a Patented parabolic grid design with a Patented high performance dipole feed. The antennas are constructed of welded steel wires which are galvanized and then powder coat painted with a light gray epoxy paint. The wire grid semi-parabolic design offers unsurpassed low wind loading while maintaining good RF performance. The compact low visual impact attractive styling blends well in almost any application. Mounting is simplified with the Pacific Wireless bracket system made of galvanized steel with stainless steel hardware. The antenna comes with a choice of N Female Integrated Connector or 30” pigtail with choice of N Male, N Female or RPSMA.

**Specifications**

| Parameter                    | Model   | Min  | Typ      | Max  | Units |
|------------------------------|---------|------|----------|------|-------|
| <i>Frequency Range</i>       |         | 2400 |          | 2485 | MHz   |
| <i>Gain</i>                  | GD24-15 |      | 15       |      | dBi   |
|                              | GD24-19 |      | 19       |      |       |
|                              | GD24-24 |      | 24       |      |       |
| <i>3dB Beamwidth</i>         | GD24-15 |      | 17V, 21H |      | Deg   |
|                              | GD24-19 |      | 11V, 17H |      |       |
|                              | GD24-24 |      | 8V, 10H  |      |       |
| <i>Front to Back</i>         | GD24-15 | 17   |          |      | dB    |
|                              | GD24-19 | 22   |          |      |       |
|                              | GD24-24 | 25   |          |      |       |
| <i>VSWR</i>                  |         |      | 1.5:1    |      |       |
| <i>Impedance</i>             |         |      | 50       |      | OHM   |
| <i>Input Power</i>           |         |      |          | 100  | W     |
| <i>Operating Temperature</i> |         | -40  |          | +70  | Deg C |



| Parameter                | Model                         | Min     | Typ  | Max     | Units     |
|--------------------------|-------------------------------|---------|--|---------|-----------|
| <b>Pole Size</b>         |                               | 1" (25) |  | 2" (50) | In (mm)   |
| <b>Weight</b>            | GD24-15<br>GD24-19<br>GD24-24 |         | 4 (1.8)<br>6 (2.7)<br>11 (5)   |         | Lbs. (kg) |
| <b>Dimension (W x L)</b> | GD24-15<br>GD24-19<br>GD24-24 |         | 12 x 16" (305 x 406)<br>16.5 x 24" (419 x 610)<br>28.5 x 36" (724 x 914) |         | In (mm)   |
| <b>Bracket Tilt</b>      |                               |         | 45   |         | Deg       |



### Wind Loading

| Model   | Sq. In | 100MPH | 125MPH | 100MPH<br>1/2" radial ice |
|---------|--------|--------|--------|---------------------------|
| GD24-15 | 40     | 10     | 15.6   | 48                        |
| GD24-19 | 79     | 20     | 31     | 99                        |
| GD24-24 | 163    | 41     | 64     | 257                       |

- Notes:**
- All shipments F.O.B. Bluffdale, UT 84065
  - All antennas carry a 2 Year Warranty

**System Ordering:** GD24-□□ □-□□□□

**Antenna Gain**

- 15 – 15dBi
- 19 – 19dBi
- 24 – 24dBi

**Connection Style**

- i – Integrated Connector
- P – 30" Pigtail

**Connector Type**

- NF – N Female
- NM – N Male (only avail pigtail)
- RPN – Reverse Polarity N (only avail integrated)
- RSMA – Reverse Polarity SMA (only avail pigtail)

**For further information contact:**



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