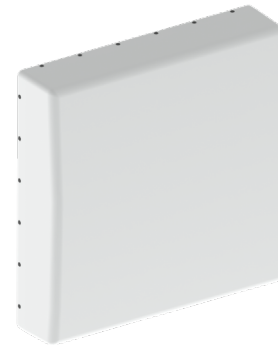


30°/30° 4-Port Directional Panel Antenna [617-896, 1695-2690 and 3300-4200 MHz]

GP2904-07750

Description:

- Single-sector 4-Port MIMO antenna for high capacity stadium and venue applications
- 30°/30° beamwidth dual-polarized covering 600 MHz/LTE/CELL, AWS/PCS/WCS/BRS, and C/CBRS Bands.
- 2x ports for 617-896 MHz, 1695-2690 MHz and 3300-4200 MHz
- 2x ports for 3300-4200 MHz



617-896, 1695-2690 and 3300-4200 MHz
4-Port 30x30 Pattern Directional Panel Antenna

Electrical Specifications

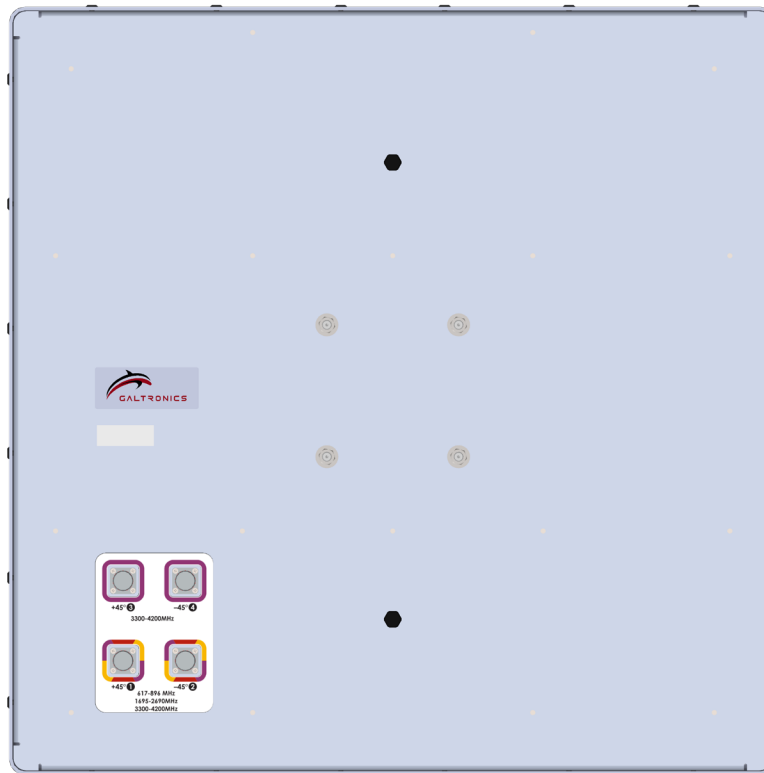
| Frequency Band [MHz] | 617-698 | 698-806 | 806-896 | 1695-2200 | 2300-2400 | 2496-2690 | 3300-3550 | 3550-3700 | 3700-4200 |
|-------------------------------|-----------------------|---------|---------|-----------|-----------|-----------|----------------|-----------|-----------|
| Input Connector Type | 2 x 4.3-10 (F) | | | | | | | | |
| | | | | | | | 2 x 4.3-10 (F) | | |
| Port-to-Port Isolation (min.) | 20 dB | | | | | | | | |
| VSWR (max.) /RL (min.) | 1.5:1 / 14.0 dB | | | | | | | | |
| Impedance | 50 Ω | | | | | | | | |
| Polarization | Dual slant 45° (±45°) | | | | | | | | |
| Horizontal Beamwidth (°) | 37 | 32 | 28 | 30 | 24 | 22 | 30 | 27 | 24 |
| Vertical Beamwidth (°) | 36 | 32 | 30 | 29 | 24 | 20 | 27 | 25 | 23 |
| Gain, dBi (max.) | 12.4 | 12.8 | 13.5 | 14.8 | 14.7 | 15.0 | 15.1 | 15.4 | 16.1 |
| Gain, dBi (avg.) | 11.9 | 12.2 | 12.6 | 13.6 | 14.2 | 14.5 | 13.8 | 14.2 | 14.5 |
| Front-to-Back Ratio@180°, dB | 35 | | | | | | | | |
| Max Power / Port, Watts | 100 | | | | | | 100 | | |
| PIM @ 2x20W, dBc (max.) | -153 | | | | | | -145 | | |

Mechanical Specifications

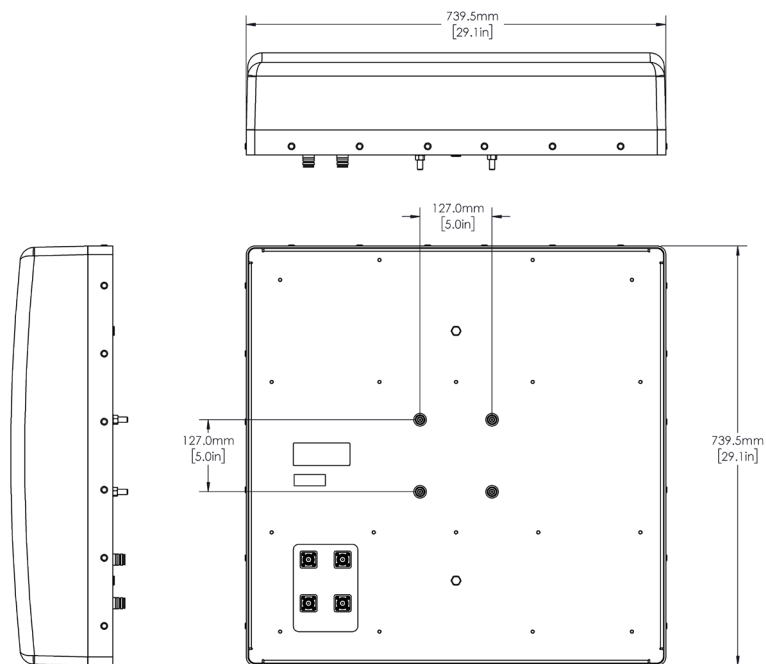
| | |
|---------------------------|---|
| Operating Temperature | -40° to 158°F (-40° to +70°C) |
| Antenna Weight | 24.5 lbs (11.1kg) |
| Antenna Dimension (HxWxD) | 29.1" (739.5 mm) x 29.1" (739.5 mm) x 7.1" (179.7 mm) |
| Radome Material | ASA |
| RoHS | Compliant |
| Radome Color | Gray |
| Ingress Protection | IP65 |
| Wind Survival Rating | 150 mph (241 km/h) |

RFD#: 7750 ; Revision: R1; Release Date: April 25, 2022;

Back Plate Port Configuration/Labeling



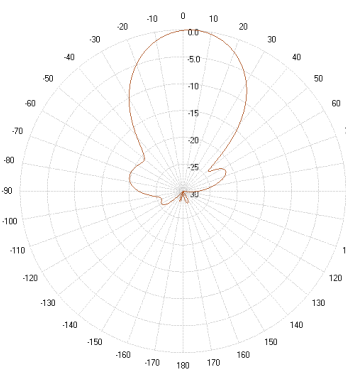
Antenna Outline



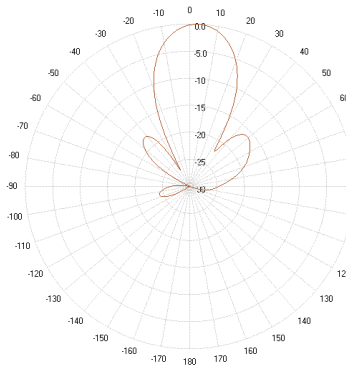
RFD#: 7750 ; Revision: R1; Release Date: April 25, 2022;

Antenna Patterns

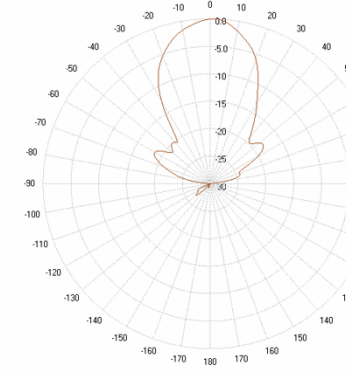
Horizontal



652 MHz

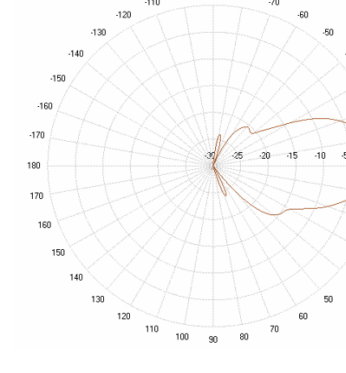
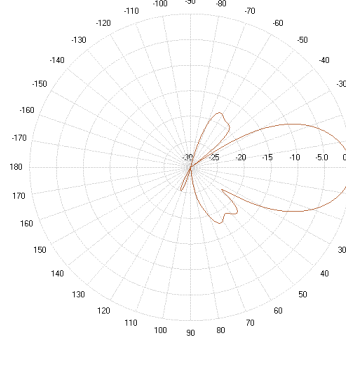
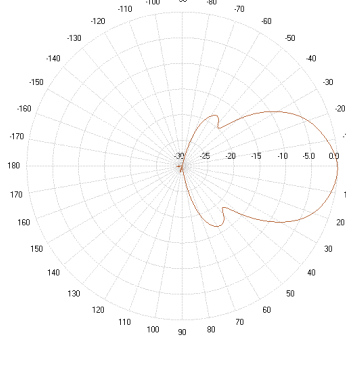


880 MHz

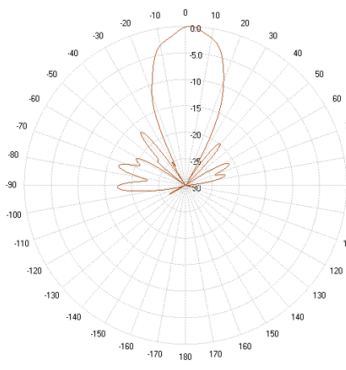


1980 MHz

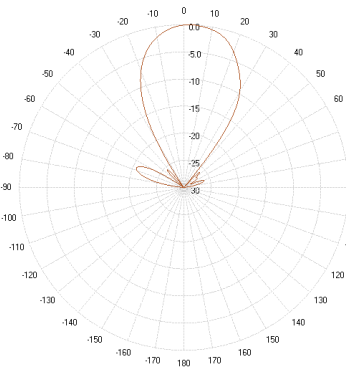
Vertical



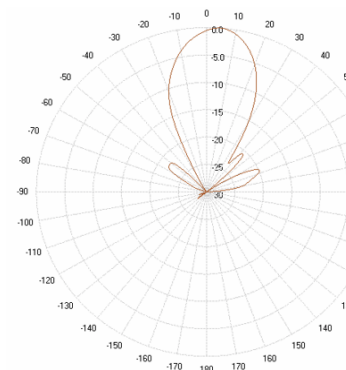
Horizontal



2535 MHz

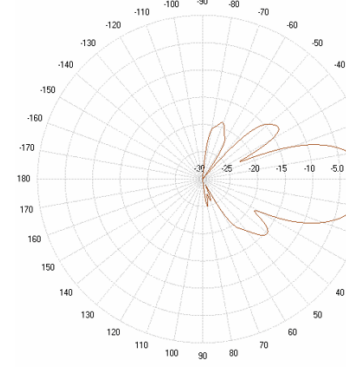
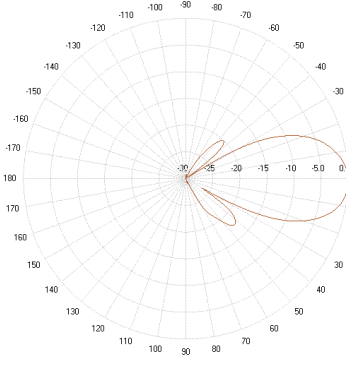
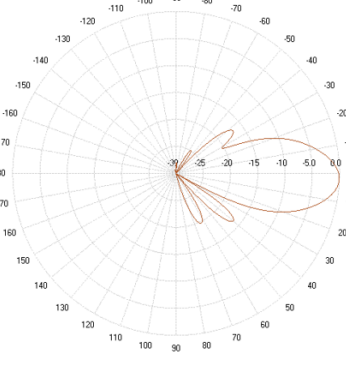


3300 MHz



3800 MHz

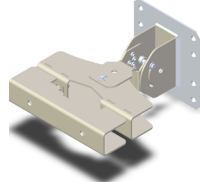


Vertical



Part Numbers & Ordering Options

| Description | Color | Mounting Kit | Part Number |
|--|-------|--------------------------------|------------------|
| 4-Port 30° x 30° Pattern Directional Panel Antenna with 4x 4.3-10 (F) Connectors | Gray | Includes 62-45-09 mounting kit | GP2904-07750-112 |

Mounting Kit and Accessories Part Numbers

| Description: | Part Number: |
|---|--|
| Heavy Duty Mounting Bracket (150 mph) [INCLUDED] <p>The mounting bracket allows wall and pole mounting with flexible and continuous antenna adjustment in the horizontal and vertical plane.</p> |  <p>62-45-09 (Included)</p> |
| 2 Axis Pole/Wall Mounting Bracket (150 mph) [OPTIONAL] <p>Galtronics' mounting bracket offers an easy installation solution to mount Galtronics' stadium antennas to either a pole or a wall. When attaching the antenna to a wall please make sure to select appropriate fasteners (not included).</p> |  <p>62-28-09 (Sold Separately)</p> |
| Heavy Duty Mounting Bracket (150 mph) [OPTIONAL] <p>This standard mounting bracket offers an easy installation solution to mount the antenna to either a horizontal or a vertical pole.</p> |  <p>MK-07305 (Sold Separately)</p> |

Mating Connector Torque:

4.3-10: 3.7 ft-lb (5 Nm)