

## 20°/20° 8-Port Directional Panel Antenna [1695-2690 and 3300-4200 MHz]

# GP2408-07306

### Description:

- Single-sector MIMO antenna for high capacity and stadium venues
- 20°/20° beam width (-3dB) dual-polarized covering AWS/PCS/WCS/BRS and CBR5/C-Band
- Exceptional beam sharpness; -3dB & -10dB beamwidths specified - azimuth and elevation
- 4x ports 1695-2690 MHz, 4x ports 3300-4200 MHz



1695-2690 & 3300-4200 MHz  
20° x 20° Directional Panel Antenna

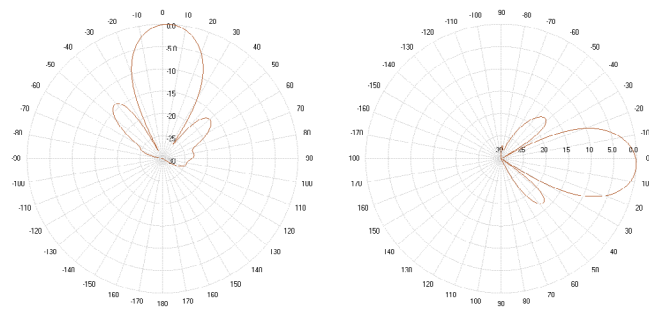
### Electrical Specifications

|                                  |                       |           |           |               |           |           |
|----------------------------------|-----------------------|-----------|-----------|---------------|-----------|-----------|
| Frequency Band [MHz]             | 1695-2200             | 2300-2400 | 2496-2690 | 3300-3550     | 3550-3700 | 3700-4200 |
| Input Connector Type             | 4x 4.3-10 (F)         |           |           | 4x 4.3-10 (F) |           |           |
| Isolation (min.)                 | 25 dB                 |           |           |               |           |           |
| VSWR (max.) /RL (min.)           | 1.5:1 / 14.0 dB       |           |           |               |           |           |
| Impedance                        | 50 Ω                  |           |           |               |           |           |
| Polarization                     | Dual slant 45° (±45°) |           |           |               |           |           |
| Horizontal Beamwidth (-3dB, °)   | 25.3                  | 20.2      | 19.1      | 20.7          | 19.7      | 18.0      |
| Horizontal Beamwidth (-10dB, °)  | 43.0                  | 34.1      | 32.3      | 35.4          | 33.3      | 30.5      |
| Vertical Beamwidth (-3dB, °)     | 24.6                  | 19.9      | 19.3      | 20.3          | 19.7      | 17.9      |
| Vertical Beamwidth (-10dB, °)    | 41.9                  | 33.7      | 32.7      | 34.2          | 32.7      | 30.3      |
| Gain (max., dBi)                 | 17.4                  | 17.0      | 18.2      | 18.2          | 18.4      | 18.8      |
| Gain (avg., dBi)                 | 16.1                  | 16.5      | 17.4      | 17.5          | 17.7      | 18.2      |
| Front-to-Back Ratio, 180° (avg.) | 40 dB                 |           |           |               |           |           |
| First Upper Sidelobe (avg., dB)  | 17.3                  | 13.1      | 16.6      | 16.3          | 15.4      | 16.1      |
| Max Power / Port                 | 100 Watts             |           |           | 100 Watts     |           |           |
| PIM @ 2x43 dBm (max.)            | -153 dBc              |           |           | -145 dBc      |           |           |

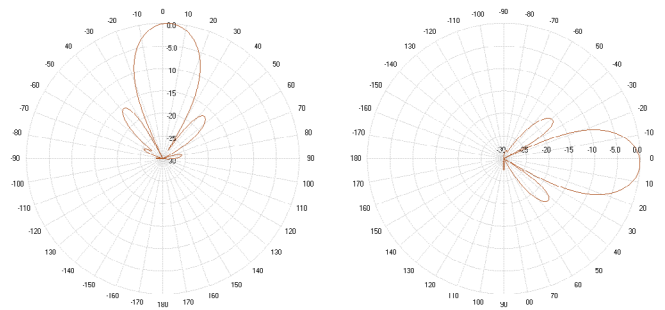
### Mechanical Specifications

|                                            |                                                     |
|--------------------------------------------|-----------------------------------------------------|
| Operating Temperature                      | -40° to 158°F (-40° to +70°C)                       |
| Antenna Weight                             | 17.5 lbs (8.0 kg)                                   |
| Mounting Bracket Weight                    | 5.07 lbs (2.37 kg)                                  |
| Antenna Dimension (Height x Width x Depth) | 23.5" (597.5mm) x 23.5" (597.5mm) x 4.3" (109.5 mm) |
| Radome Material                            | ASA                                                 |
| Radome Color                               | Gray                                                |
| Environmental Rating                       | Outdoor (IP65)                                      |
| Wind Survival Rating                       | 150 mph (241 km/h)                                  |

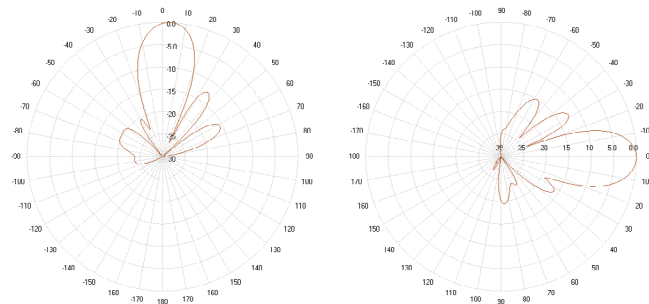
## 2D Antenna Patterns



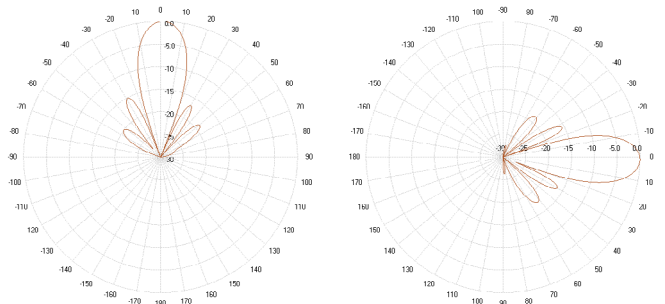
**1785 MHz**



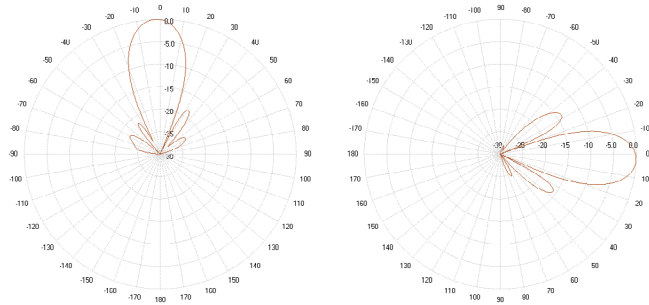
**1910 MHz**



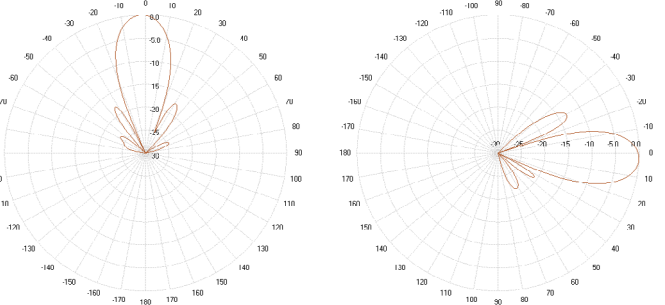
**2360 MHz**



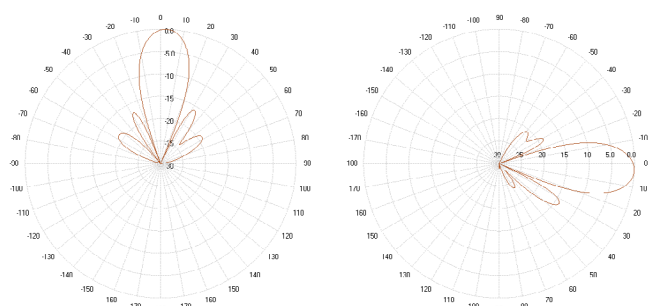
**2690 MHz**



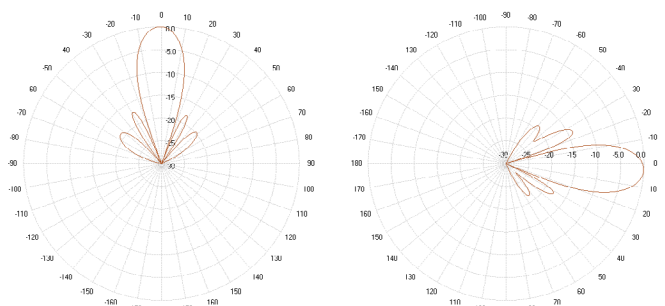
**3300 MHz**



**3550 MHz**

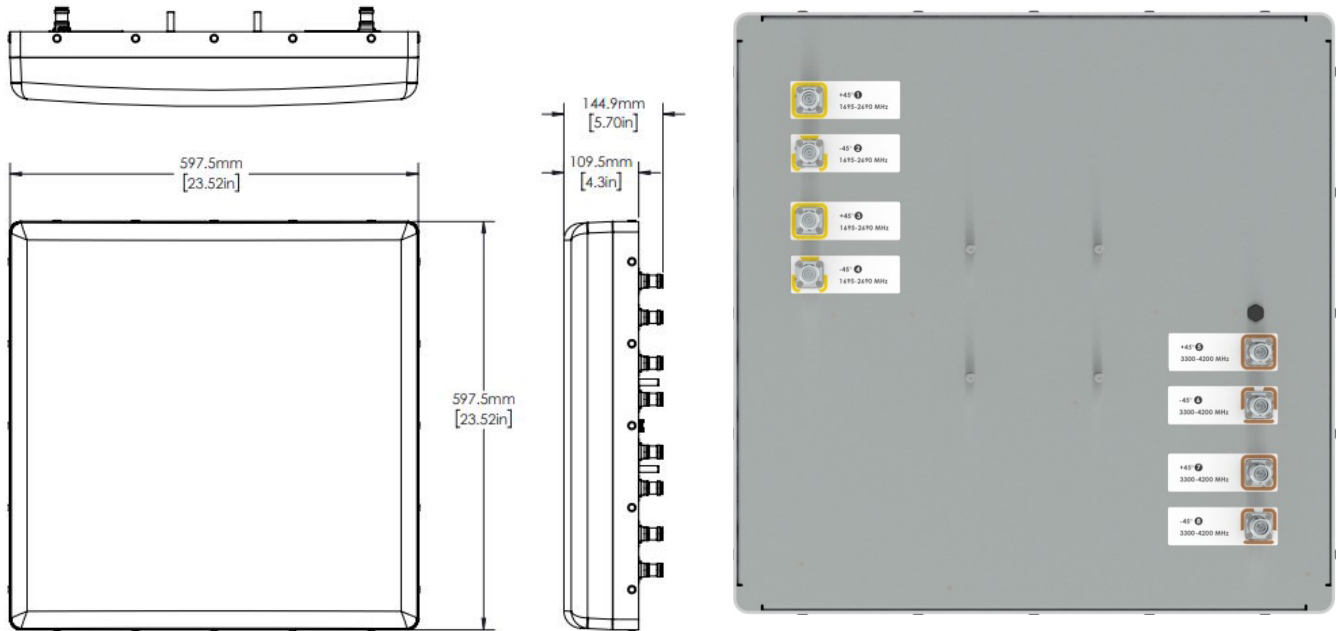


**3800 MHz**



**3960 MHz**

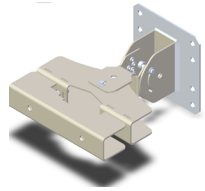
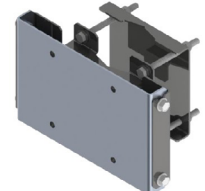
## Antenna Rear View with Port Labels



## Part Numbers & Ordering Options

| Description                                                                      | Color | Mounting Kit                   | Part Number      |
|----------------------------------------------------------------------------------|-------|--------------------------------|------------------|
| 8-Port 20° x 20° Pattern Directional Panel Antenna with 8x 4.3-10 (F) Connectors | Gray  | Includes 62-45-09 mounting kit | GP2408-07306-112 |

## Mounting Kit and Accessories Part Numbers

| Description:                                                                                                                                                                                                                                                                                               | Part Number:                                                                                   |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|
| <b>Heavy Duty Mounting Bracket (150 mph) [INCLUDED]</b><br>The mounting bracket allows wall and pole mounting with flexible and continuous antenna adjustment in the horizontal and vertical plane.                                                                                                        |  62-45-09 |
| <b>2 Axis Pole/Wall Mounting Bracket (150 mph) [OPTIONAL]</b><br>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). |  62-28-09 |
| <b>Heavy Duty Mounting Bracket (150 mph) [OPTIONAL]</b><br>This standard mounting bracket offers an easy installation solution to mount the antenna to either a horizontal or a vertical pole.                                                                                                             |  MK-07305 |

RFD# 7306 ; Revision: R2 ; Release Date: February 28, 2022;