

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 CBRS/C-Band
- Exceptional beam sharpness; -3dB & -10dB beamwidths specified - azimuth and elevation
- 4x ports 1695-2690 MHz, 4x ports 3300-4200 MHz

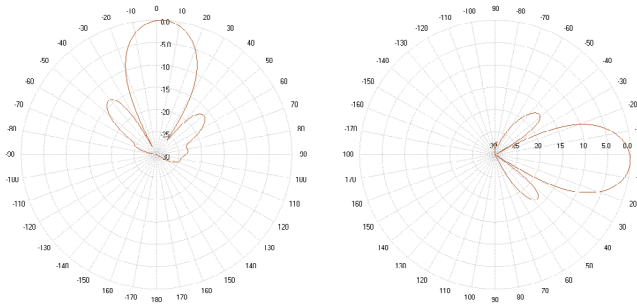


1695-2690 & 3300-4200 MHz
20° x 20° Directional Panel Antenna

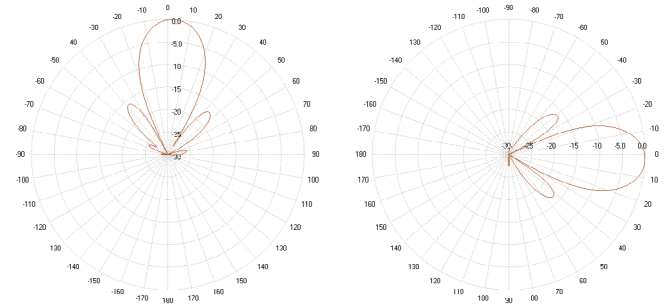
Electrical Specifications						
Frequency Band [MHz]	1695-2200	2300-2400	2496-2690	3300-3550	3550-3700	3700-4200
Input Connector Type	4x 4.3-10 (F)			4x 4.3-10 (F)		
Isolation (dB)	25					
VSWR /RL (dB)	1.5:1 / 14.0					
Impedance (Ω)	50					
Polarization (°)	Dual slant 45 (±45)					
Horizontal Beamwidth (-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° (dB)	40					
First Upper Sidelobe (dB)	17.3	13.1	16.6	16.3	15.4	16.1
Max Power / Port (Watt)	100			100		
PIM @ 2x43 dBm (dBc)	-153			-145		

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 4.2" (107.5 mm)
Radome Material	ASA
Radome Color	Gray
Environmental Rating	Outdoor
Wind Survival Rating	150 mph (241 km/h)

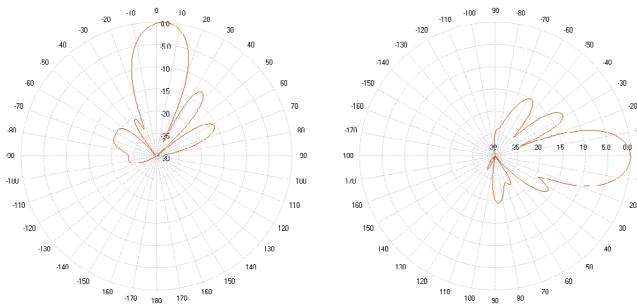
2D Antenna Patterns



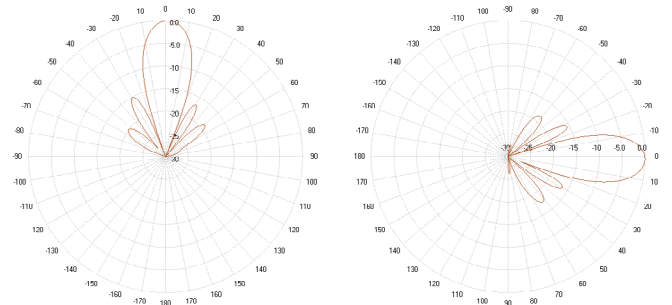
1785 MHz



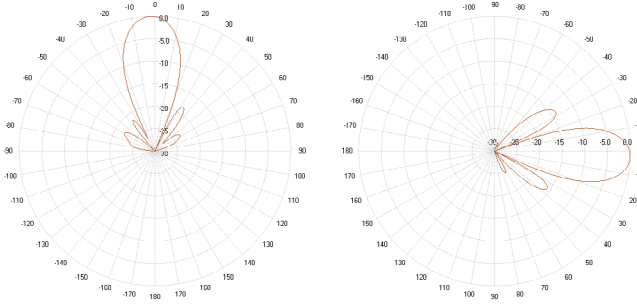
1910 MHz



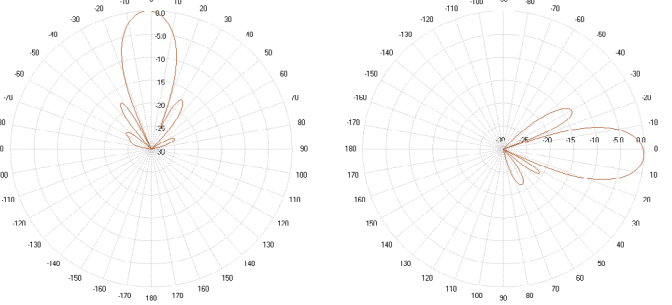
2360 MHz



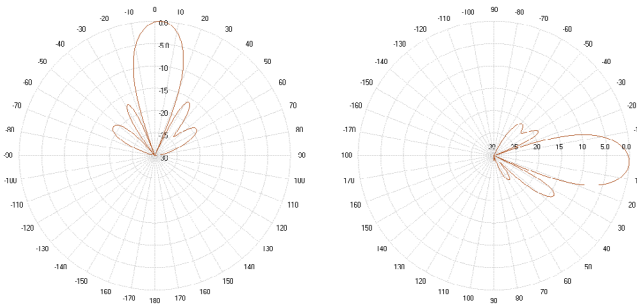
2690 MHz



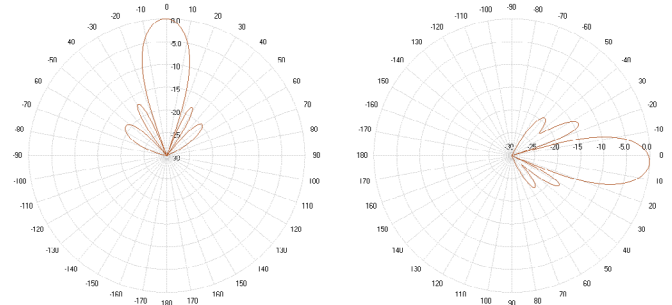
3300 MHz



3550 MHz

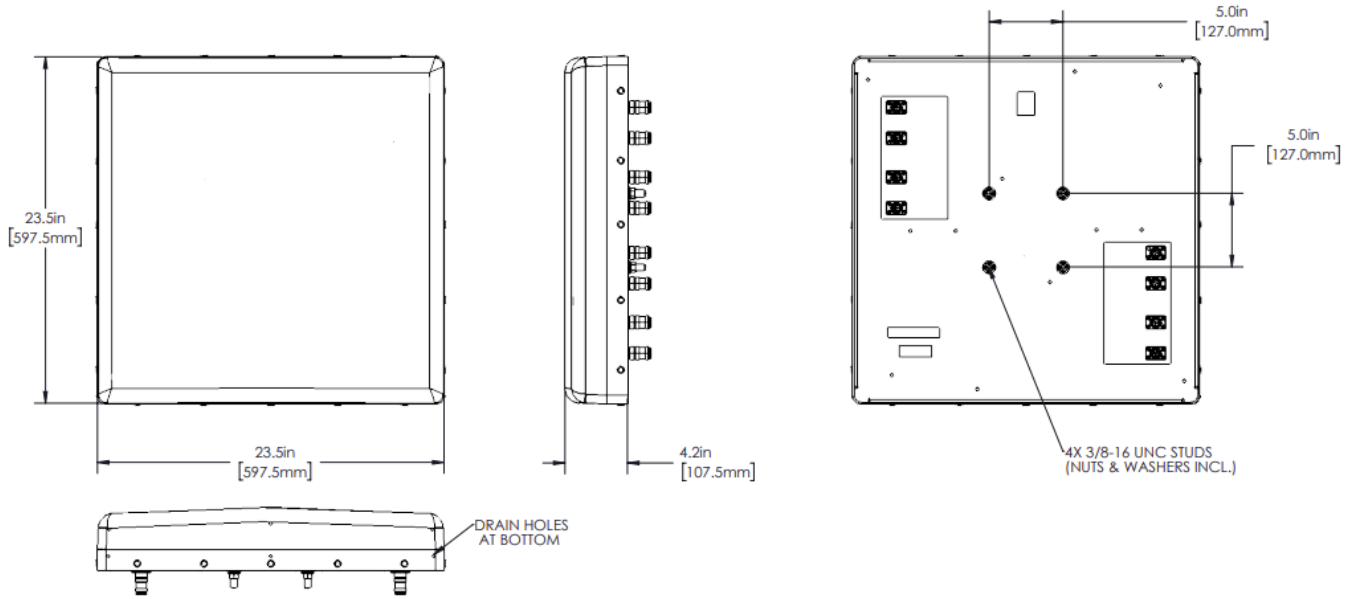


3800 MHz

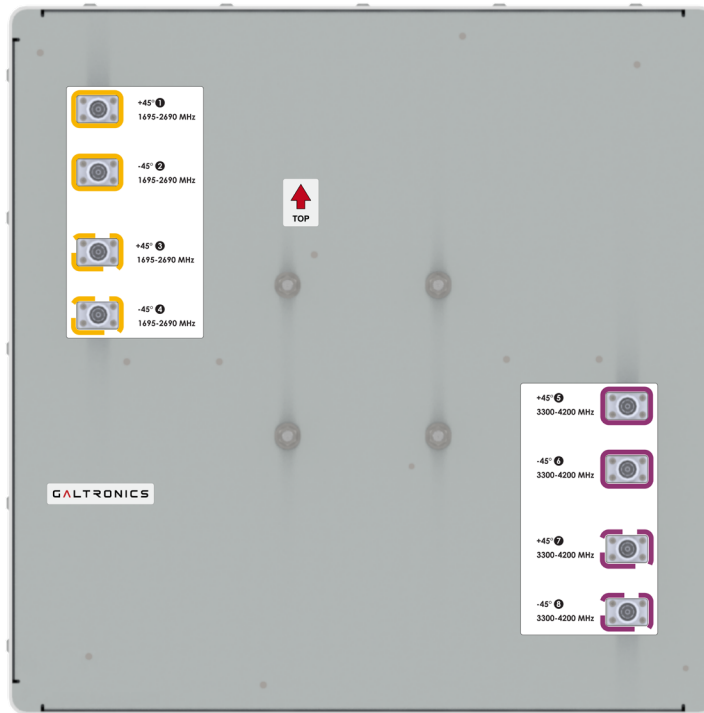


3960 MHz

Antenna Outline



Antenna Rear View with Port Labels

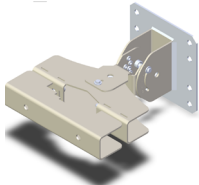

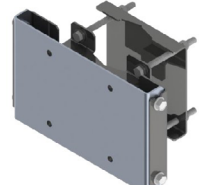


Mating Connector Torque:
4.3-10 44.3 in-lb (5 Nm)

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

RFD# 7306 ; Revision: R3 ; Release Date: January 12, 2024;

Mounting Kit and Accessories Part Numbers	
Description:	Part Number:
<p>Heavy Duty Mounting Bracket (150 mph) [INCLUDED]</p> <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</p>
<p>2 Axis Pole/Wall Mounting Bracket (150 mph) [OPTIONAL]</p> <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</p>
<p>Heavy Duty Mounting Bracket (150 mph) [OPTIONAL]</p> <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</p>