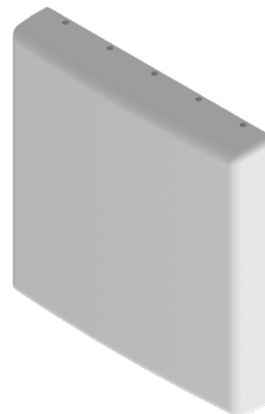


20°/20° 4-Port Directional Panel Antenna [1695-2690 and 3300-4200 MHz]

GP2404-07751

Description:

- Single-sector 4-Port MIMO antenna for high capacity stadium and venue applications
- 20°/20° beamwidth dual-polarized covering AWS/PCS/WCS/ BRS, and C/CBRS Bands.
- Exceptional beam sharpness; -3dB & -10dB beamwidths specified - azimuth and elevation
- 2x ports for 1695-2690 MHz and 3300-4200 MHz
- 2x ports for 3300-4200 MHz



1695-2690 & 3300-4200 MHz Directional Panel Antenna

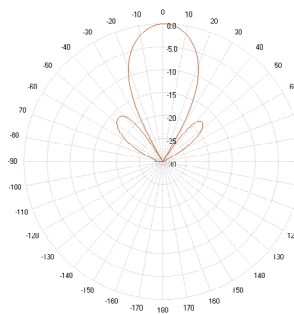
Electrical Specifications

Frequency Range (MHz)	1695-2200	2305-2360	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 (dB)	25					
VSWR / RL (dB)	1.5:1 / 14.0					
Impedance (Ω)	50					
Polarization (°)	Dual slant 45 (±45)					
Horizontal Beamwidth -3dB (°)	24	20	18	20	19	18
Horizontal Beamwidth -10dB (°)	42	32	32	34	32	31
Vertical Beamwidth -3dB (°)	24	19	19	20	19	18
Vertical Beamwidth -10dB (°)	42	33	32	34	32	31
Gain, dBi (max.)	17.2	17.3	18.4	18.0	18.3	18.9
Gain, dBi (avg.)	16.0	16.8	17.8	16.9	17.5	17.8
Front-to-Back Ratio @ 180°, dB	45					
First Upper Sidelobe , dB	19	18	18	19	18	18
Power per Port, Watts	100			100		
PIM @ 2x20W, dBc	-153			-145		

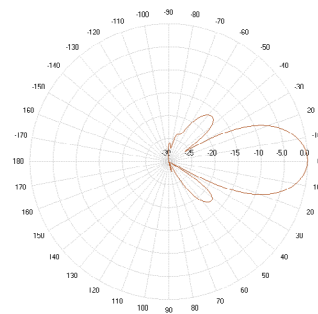
Mechanical Specifications

Operating Temperature	-40° to 158°F (-40° to +70°C)
Antenna Weight	17 lbs (7.7kg)
Antenna Dimension (HxWxD)	23.5" (597.5 mm) x 23.5" (597.5 mm) x 4.2" (107.5 mm)
Radome Material	ASA
Radome Color	Gray
Environment Rating	Outdoor
Wind Survival Rating	150 mph (241 km/h)

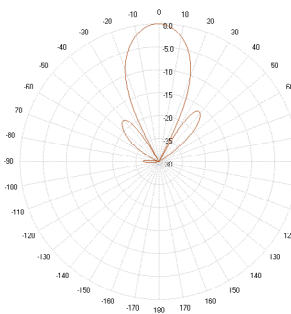
2D Antenna Patterns



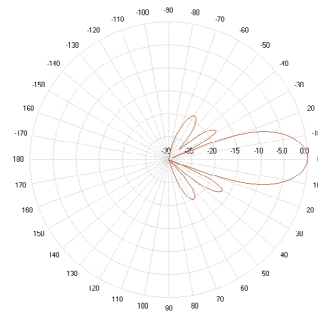
1770 MHz



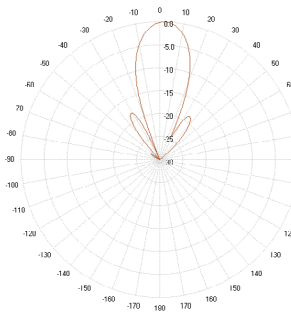
1940 MHz



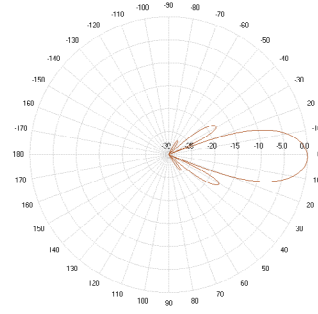
2496 MHz



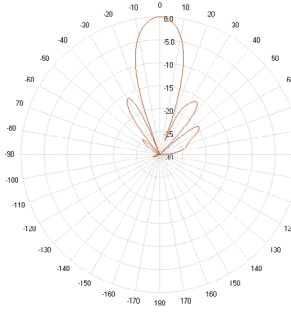
3450 MHz



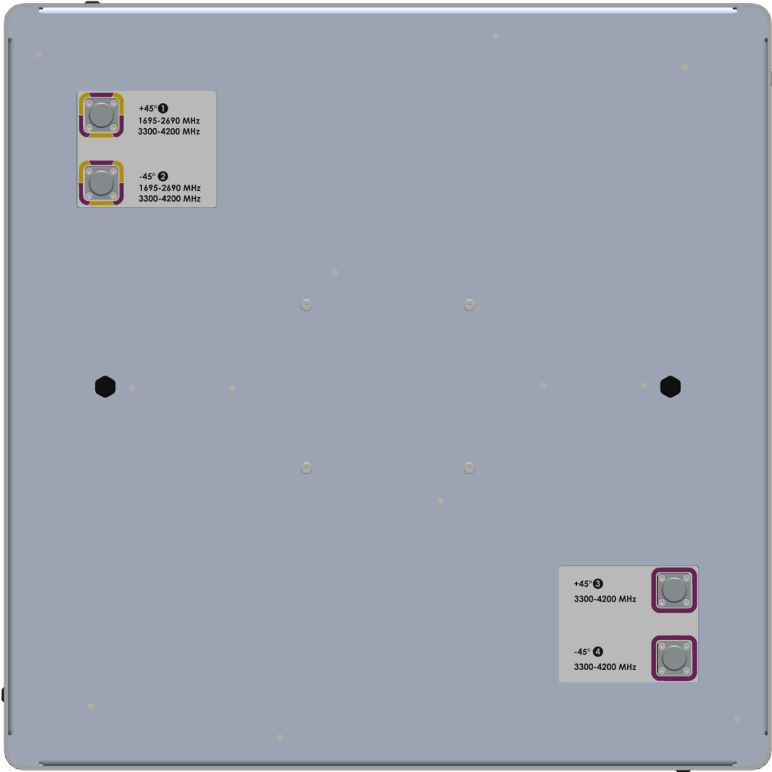
3690 MHz



3840 MHz

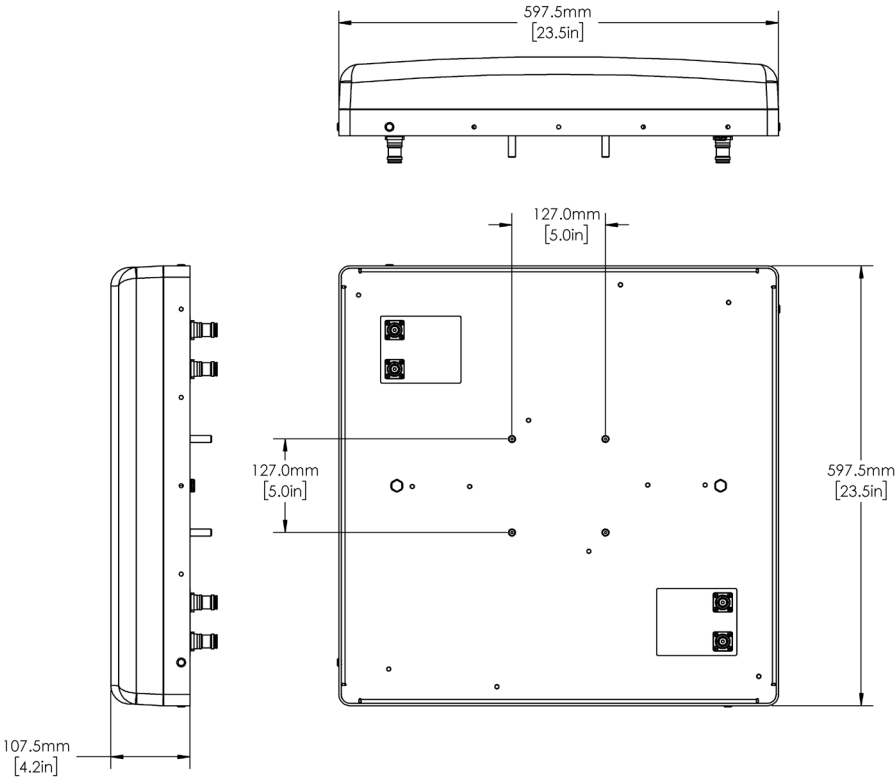


Bottom Plate & Port Designation Details



Mating Connector Torque:
4.3-10: 3.7 ft-lb (5 Nm)

Antenna Outline

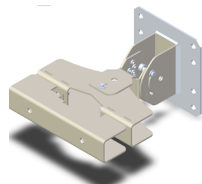

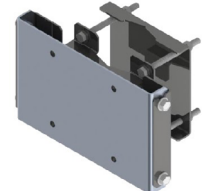


RFD#: 7751 ; Revision: R1; Release Date: June 12, 2023;

Part Numbers & Ordering Options

Description	Color	Mounting Kit	Part Number
4-Port 20° x 20° Pattern Directional Panel Antenna with 4x 4.3-10 (F) Connectors	Gray	Includes 62-45-09 mounting kit	GP2404-07751-112

Mounting Kit and Accessories Part Numbers

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