

30°/30° 10-Port Directional Panel Antenna [698-960, 1695-2690, 3300-4200 and 5150-5925 MHz]

GP2910-W6975

Description:

- Single-sector 10-Port MIMO antenna for high capacity stadium and venue applications
- 30°/30° beam width dual-polarized covering LTE/CELL, AWS/PCS/WCS/ BRS, CBRS, C-band and LAA/U-NII Bands.
- 2x ports for 698-960 MHz/1695-2690 MHz
- 2x ports for 1695-2690 MHz
- 4x ports for 3300-4200 MHz
- 2x ports for 5150-5925 MHz*



698-960, 1695-2690, 3300-4200 and 5150-5925 MHz
10-Port 30x30 Pattern Directional Panel Antenna

*Compliant to 789033 D02 General U-NII Test Procedures New Rules v01r04: The antenna meets current U-NII-1 requirements for gain and upper side-lobe performance. Guidelines for Compliance Testing of Unlicensed National Information Infrastructure (U-NII) Devices - Part 15, Sub-part E

Electrical Specifications

Frequency Range (MHz)	698-806	806-896	896-960	1695-2200	2305-2360	2496-2690	3300-3550	3550-3700	3700-4200	5150-5925
Port Designator	P1- P2						P5-P8			P9-P10
				P3-P4						
Gain, dBi (max.)	13.2	13.7	13.5	15.7	15.3	16.3	14.4	15.0	16.0	4.7
Gain, dBi (avg.)	12.5	12.7	13.0	14.0	14.4	15.2	13.9	14.4	15.1	3.9
Azimuth Beamwidth (°)	33	29	27	30	24	21	30	28	24	21
Elevation Beamwidth (°)	33	31	27	29	24	21	28	26	24	21
Front-to-Back Ratio @ 180°, (dB)	38	37	40	43	44	43	50	49	48	37
VSWR (max.) / RL (dB)	1.5:1 / 14.0									
Port-to-Port Isolation (dB)	25									
Electrical Downtilt (°)	0 Fixed									
PIM @ 2x43 dBm (dBc)	-153						-145			N/A
Power per Port (Watt)	200			200			100			1
Polarization (°)	Dual slant 45 (±45)									
Impedance (Ω)	50									

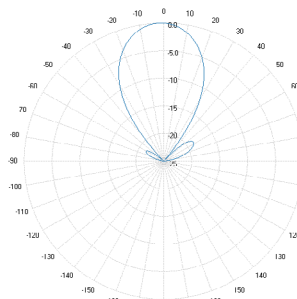
Mechanical Specifications

Operating Temperature	-40° to 158°F (-40° to +70°C)
Antenna Weight	29.1 lbs (13.2kg)
Mounting Bracket Weight	5.07 lbs (2.37 kg)
Antenna Dimension (Height x Width x Depth)	29.1" (739.5 mm) x 29.1" (739.5 mm) x 7.1" (179.7 mm)
Input Connector Type	10 x 4.3-10(F)
Radome Material	ASA
Radome Color	Gray
Environment Rating	Outdoor
Wind Load, Front (@ 150 km/h)	1809 N / 406 lbf
Wind Load, Side (@ 150 km/h)	466 N / 104 lbf
Wind Load, Maximum (@ 150 km/h)	1862 N / 418 lbf
Wind Survival Rating	150 mph (241 km/h)

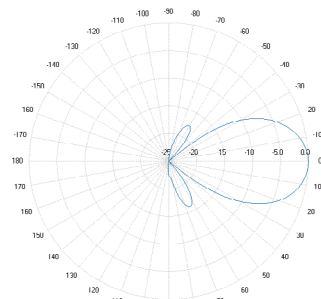
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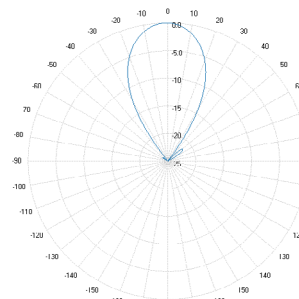
2D Antenna Pattern



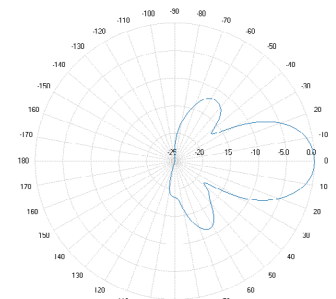
750 MHz



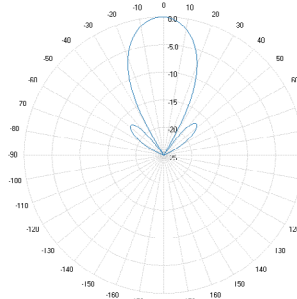
817 MHz



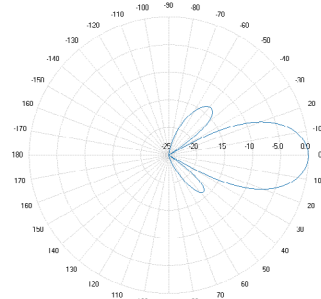
915 MHz



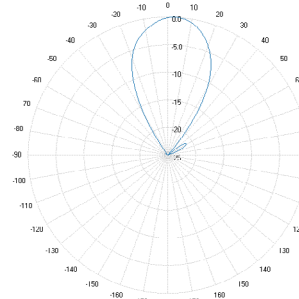
1950 MHz



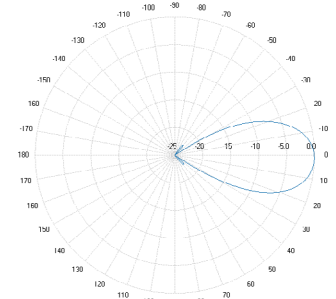
2315 MHz



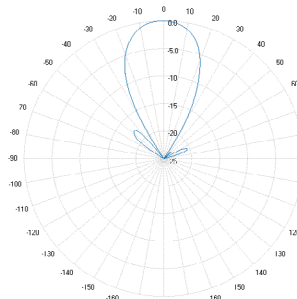
2583 MHz



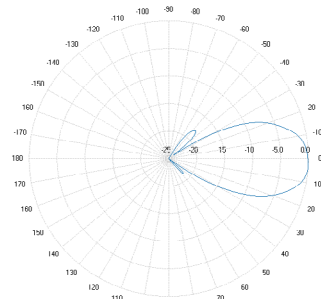
3450 MHz



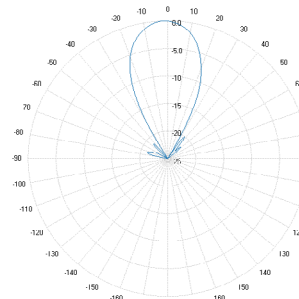
3600 MHz



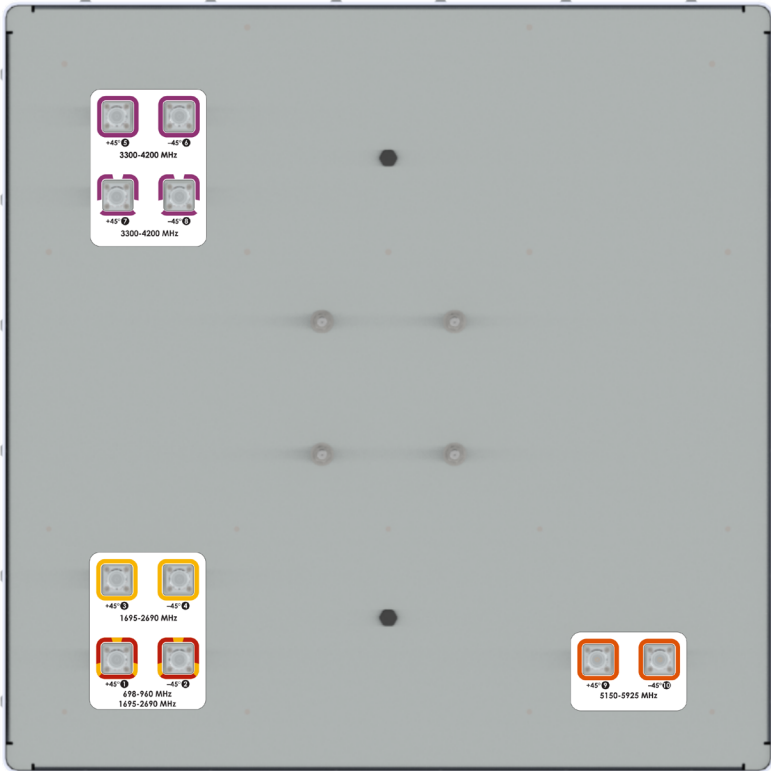
3860 MHz



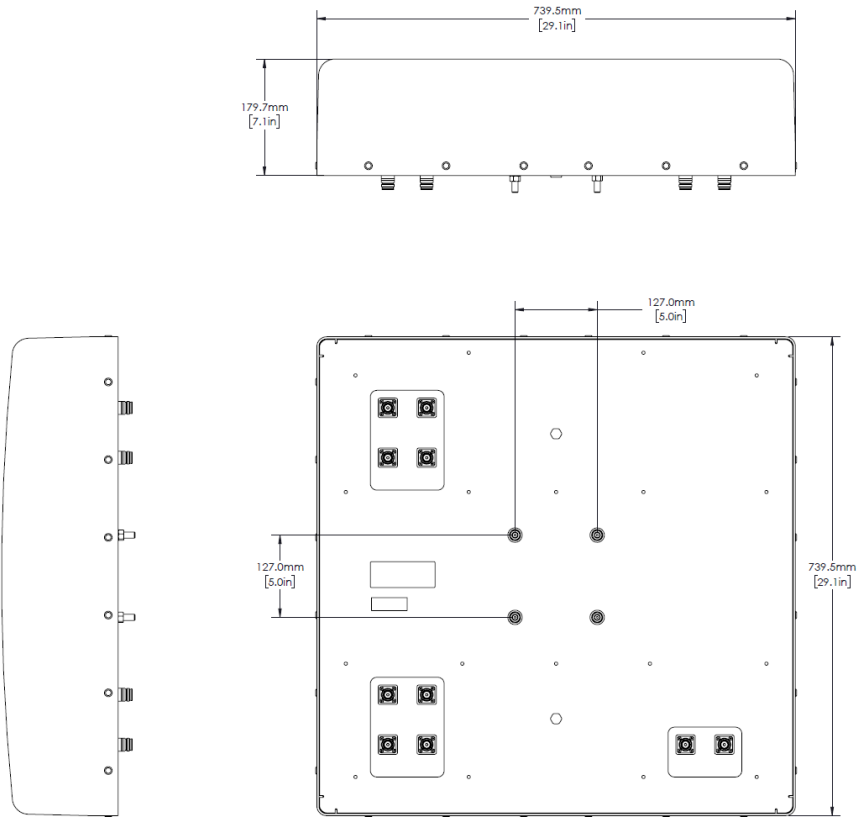
5500 MHz



Bottom Plate with Port Labels



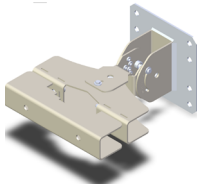
Antenna Outlines



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

RFD#: W6975 ; Revision: R1; Release Date: October 04, 2024;

Part Numbers & Ordering Options			
Description	Color	Mounting Kit	Part Number
10-Port 30° x 30° Pattern Directional Panel Antenna with 10x 4.3-10 (F) Connectors	Gray	Includes 62-45-09 mounting kit	GP2910-W6975-1R2

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
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)