

2' 14-Port Small Cell Directional Panel Antenna [698-896, 1695-2690, 3300-4200 and 5150-5925 MHz]

GP2414-06844

Description:

- 14-Port MIMO directional panel antenna for Small Cell and DAS applications
- Dual-polarized design covering LTE700/CELL 850, AWS/PCS/WCS/ BRS and LAA/U-NII Bands
- 4x ports for 698-896 MHz
- 4x ports for 1695-2690 MHz
- 4x ports for 3300-4200 MHz
- 2x ports for 5150-5925 MHz*
- Includes wall/pole mounting bracket



698-896, 1695-2690, 3300-4200 and 5150-5925 MHz
14-Port 65° 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

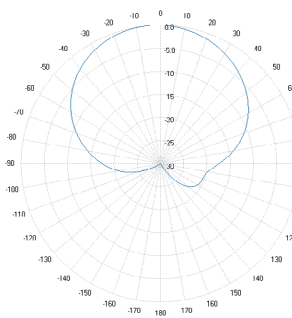
Electrical Specifications

Frequency Band [MHz]	698-896	1695-2200	2305-2360	2496-2690	3300-3550	3550-3700	3700-4200	5150-5925
Input Connector Type	4x 4.3-10(F)	4x 4.3-10(F)			4x 4.3-10(F)			2x 4.3-10(F)
Isolation (dB)	20							
VSWR /RL (dB)	1.5:1 / 14.0							
Impedance (Ω)	50							
Polarization (°)	Dual slant 45 (±45)							
Horizontal Beamwidth (°)	77	77	77	87	62	64	74	58
Vertical Beamwidth (°)	76	23.2	19.3	18.2	27.2	27.2	24.0	23.4
Gain (dBi, max.)	8.6	12.8	13.6	13.2	13.0	13.2	13.0	5.5
Gain (dBi, avg.)	7.9	12.1	13.0	12.9	12.4	12.5	12.0	5.0
Downtilt (°)	0 Fixed							
Max Power / Port (Watt)	100				100			1
PIM @ 2x43 dBm (dBc)	-153				-145			N/A

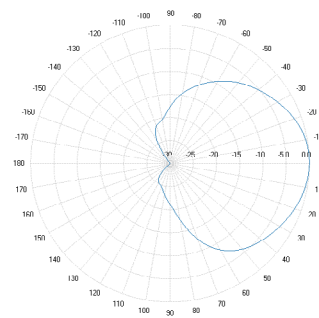
Mechanical Specifications

Operating Temperature	-40° to 158°F (-40° to +70°C)
Antenna Weight	19 lbs (8.6 kg)
Antenna Dimensions (Height x Width x Depth)	24.65" x 14.96" x 7.24" (626.1 mm x 380 mm x 184 mm)
Radome Material	ASA
RoHS	Compliant
Radome Color	Gray
Environment Rating	Outdoor (IP65)
Wind Survival Rating	150 mph (241 km/h)

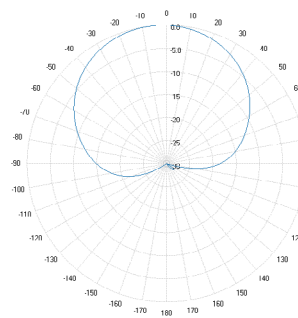
2D Antenna Patterns



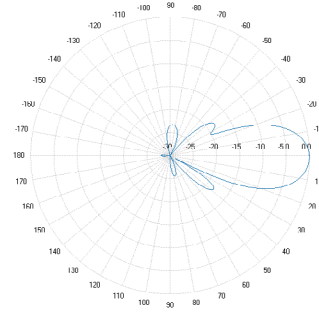
704 MHz



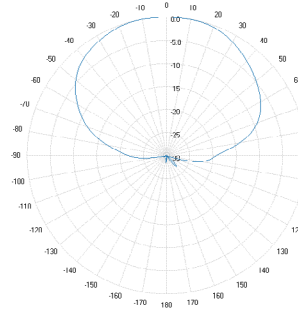
885 MHz



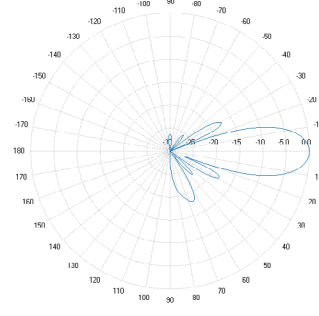
1895 MHz



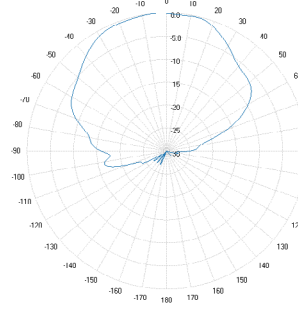
2140 MHz



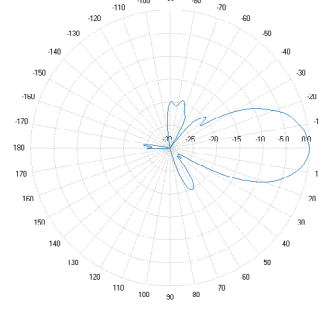
2599 MHz



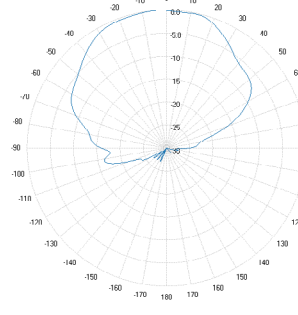
3500 MHz



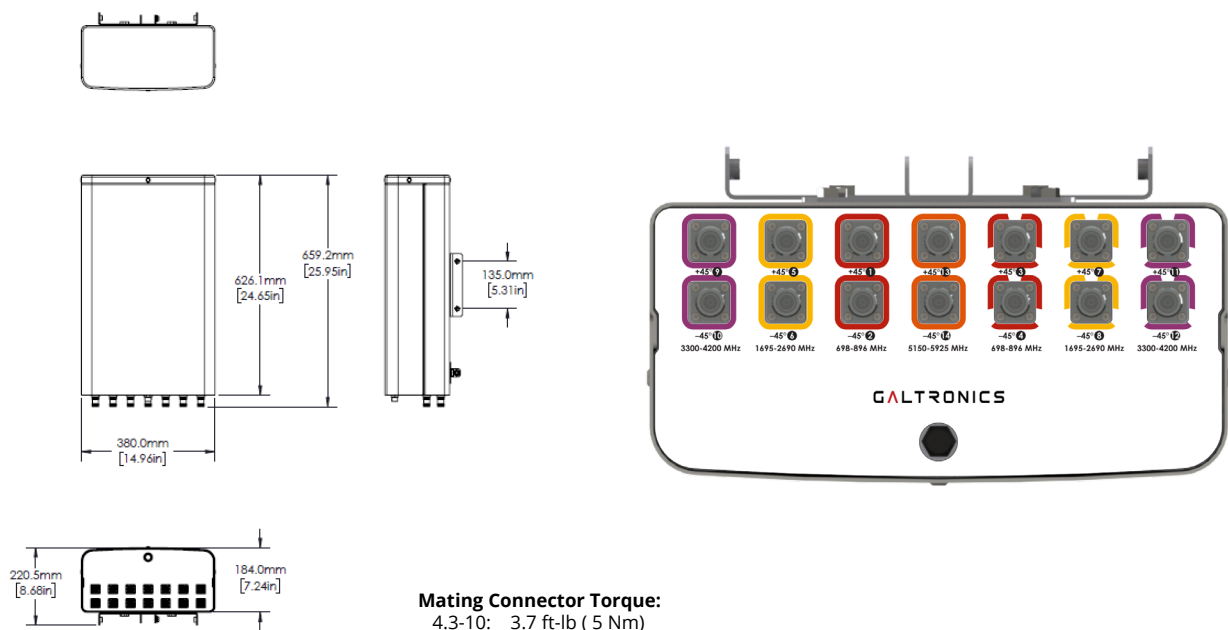
3700 MHz



5150 MHz



Antenna Outline and Bottom View with Label

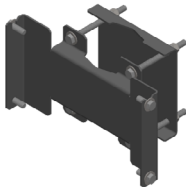

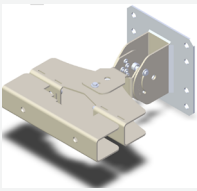



Mating Connector Torque:
4.3-10: 3.7 ft-lb (5 Nm)

Part Numbers & Ordering Options

Description	Color	Mounting Bracket	Part Number
14-Port Small Cell Directional Panel Antenna with 14x 4.3/10 Connectors	Gray	Includes MK-07932 Heavy Duty Mounting Bracket	GP2414-06844-1xx

Mounting Kit and Accessories Part Numbers

Description:	Part Number:
Heavy Duty Mounting Bracket (150 mph) [INCLUDED] This standard mounting bracket offers an easy installation solution to mount the outdoor small cell antennas to wall and poles ranging from 1.5" to 4". Note: The MK-07932 mounting bracket can also be ordered seperately.	  MK-07932 (Included)
Heavy Duty Mounting Bracket (150 mph) [OPTIONAL] The mounting bracket allows wall and pole mounting with flexible and continuous antenna adjustment in the horizontal and vertical plane.	 62-45-09 (Sold Separately)
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)

RFD# 6844 ; Revision: R3 ; Release Date: March 12, 2025;