

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

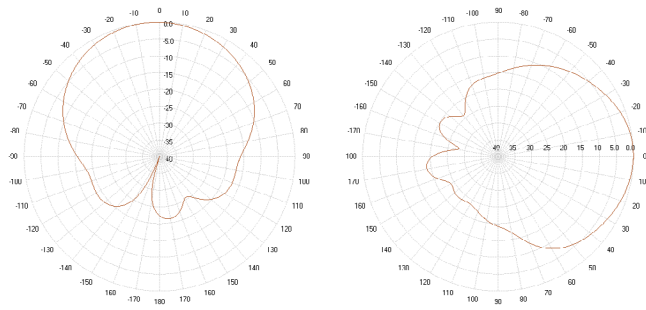
Electrical Specifications

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 (min.)	20 dB							
VSWR (max.) /RL (min.)	1.5:1 / 14.0 dB							
Impedance	50 Ω							
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 (max.)	8.6 dBi	12.8 dBi	13.6 dBi	13.2 dBi	13.0 dBi	13.2 dBi	13.0 dBi	5.5 dBi
Gain (avg.)	7.9 dBi	12.1 dBi	13.0 dBi	12.9 dBi	12.4 dBi	12.5 dBi	12.0 dBi	5.0 dBi
Downtilt	0° Fixed							
Max Power / Port	100 Watts				100 Watts			1 Watt
PIM @ 2x43 dBm (max.)	-153 dBc				-145 dBc			N/A

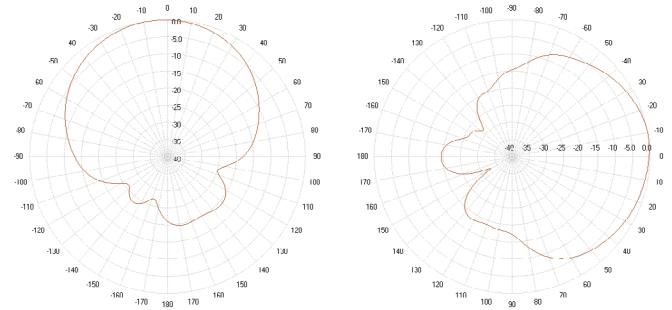
Mechanical Specifications

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
Ingress Protection	Outdoor (IP65)
Wind Survival Rating	150 mph (241 km/h)

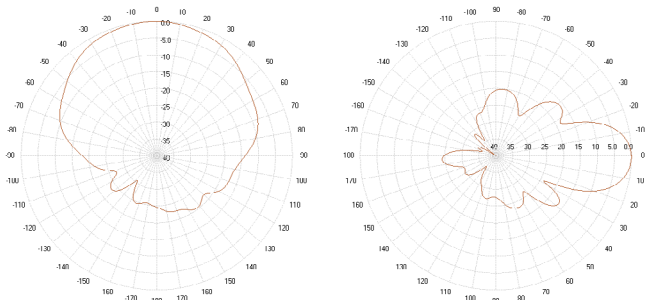
2D Antenna Patterns



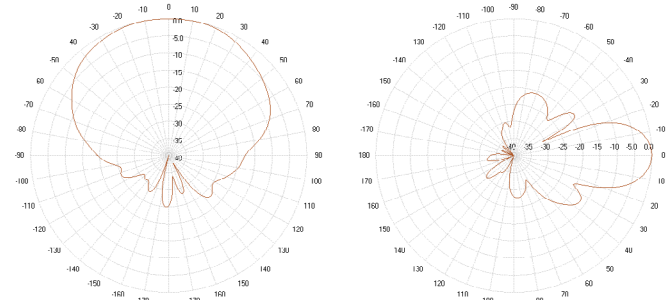
704 MHz



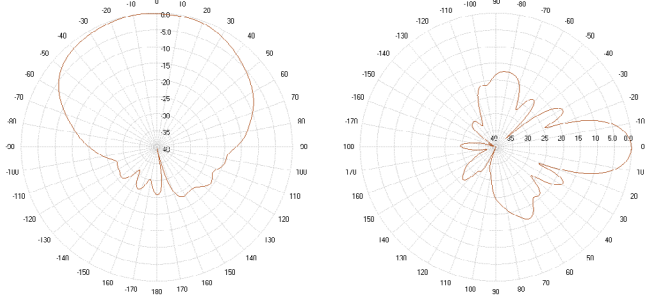
885 MHz



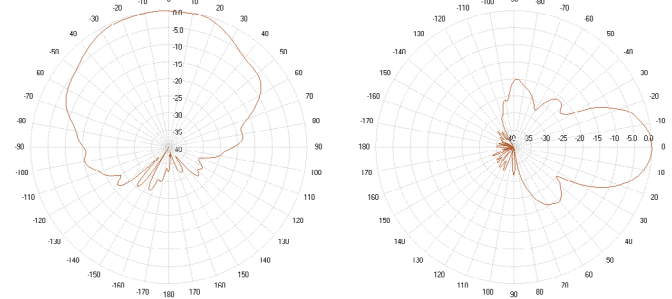
1895 MHz



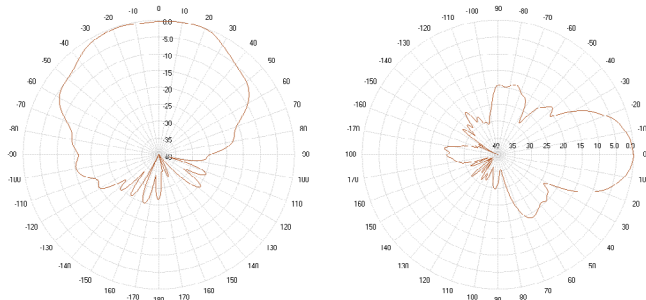
2140 MHz



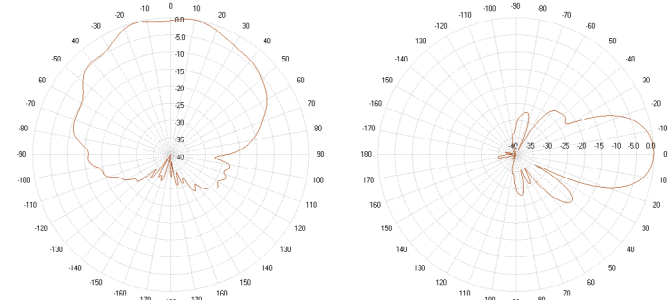
2599 MHz



3500 MHz

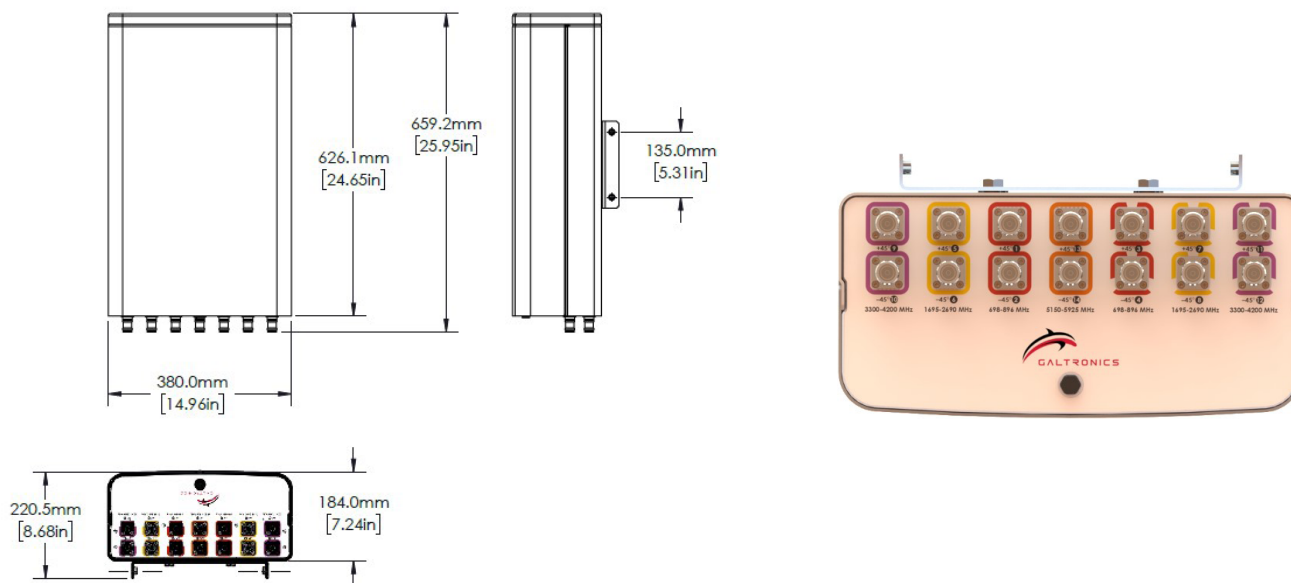


3700 MHz



5150 MHz


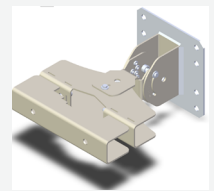

Antenna Outline and Bottom View with Label



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-06853 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 antenna to either a horizontal or a vertical pole.	 MK-06853 (Included)
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 (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)

Mating Connector Torque:

4.3-10: 3.7 ft-lb (5 Nm)