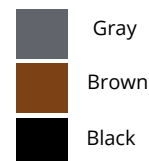


2' 14-Port Cardioid Pattern Antenna [698-896, 1695-2690, 3300-4200 and 5150-5925 MHz]

GC2414-07320

Description:

- Cardioid Pattern Canister Antenna for Small Cells and Outdoor DAS
- 4x ports for Low Band 698-896 MHz
- 4x ports for AWS/PCS/WCS/BRS Bands 1695-2690 MHz
- 4x ports for 3300-4200 MHz
- 2x ports for U-NII Band 5150-5925 MHz*



698-896, 1695-2690, 3300-4200 and 5150-5925 MHz
14-Port Cardioid Pattern Canister 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

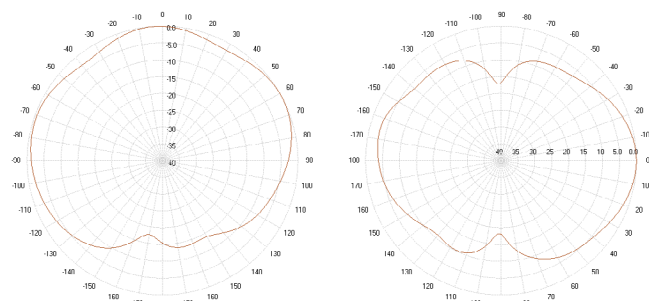
Electrical Specifications

Frequency 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							25 dB
VSWR (max.) /RL (min.)	1.5:1 / 14.0 dB							
Impedance	50 Ω							
Polarization	Dual slant 45° (±45°)							
Horizontal Beamwidth	Cardioid (240°)							
Vertical Beamwidth	74°	22.6°	18.7°	17.4°	26.3°	23.9°	22.8°	20.2°
Gain (max.)	5.2 dBi	9.8 dBi	10.1 dBi	10.6 dBi	9.7 dBi	9.7 dBi	10.2 dBi	5.3 dBi
Gain (avg.)	4.5 dBi	8.9 dBi	9.6 dBi	9.7 dBi	9.0 dBi	9.2 dBi	9.0 dBi	4.0 dBi
Downtilt	0° Fixed							
Max Power / Port	100 Watts				100 Watts			1 Watt
PIM @ 2x43 dBm	<-153 dBc				<-145 dBc			N/A

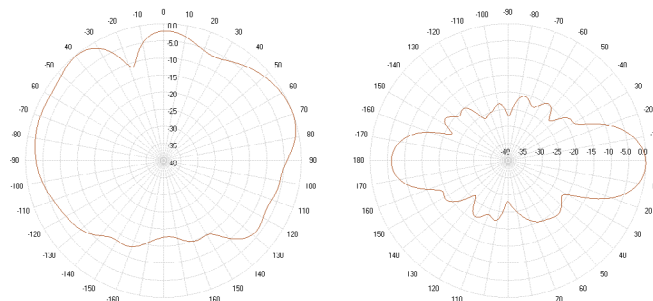
Mechanical Specifications

Operating Temperature	-40° to 158°F (-40° to +70°C)
Antenna Weight	20 lbs (9.1 kg)
Antenna Diameter	14.5" (369 mm)
Antenna Height	24.0" (610 mm)
Radome Material	ASA
Radome Color	Gray, Brown, Black
Environmental Rating	Outdoor
Wind Survival Rating	150 mph (241 km/h)

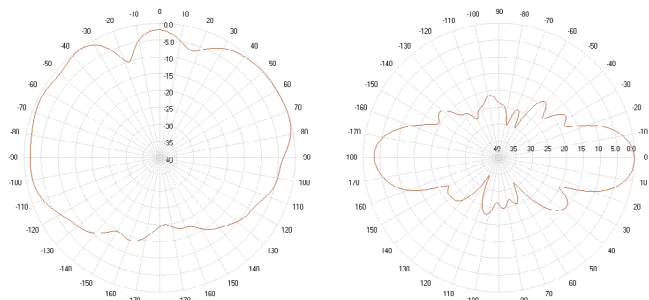
2D Antenna Patterns



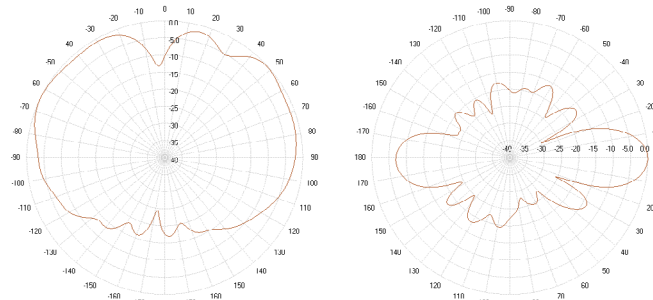
780 MHz



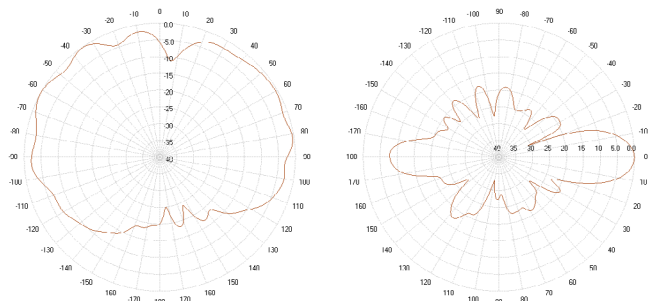
1770 MHz



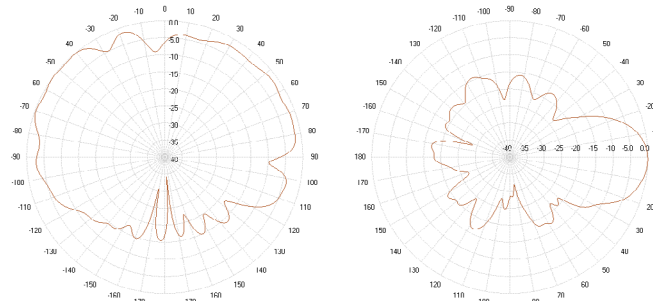
1940 MHz



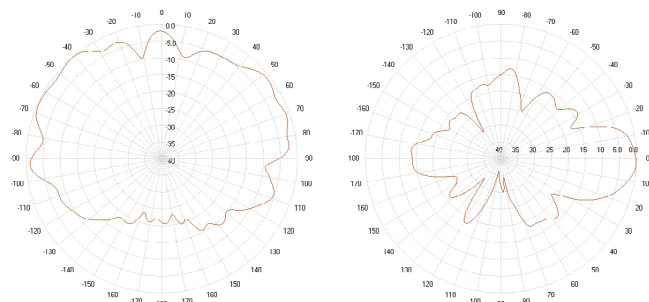
2140 MHz



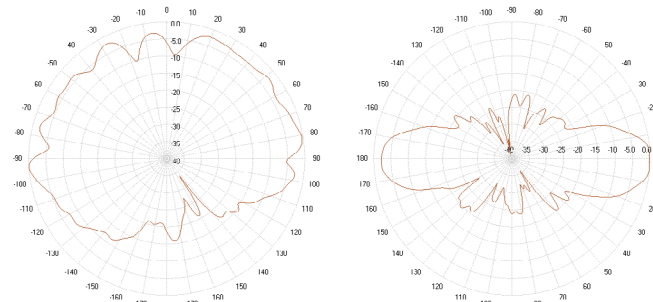
2523 MHz



3400 MHz

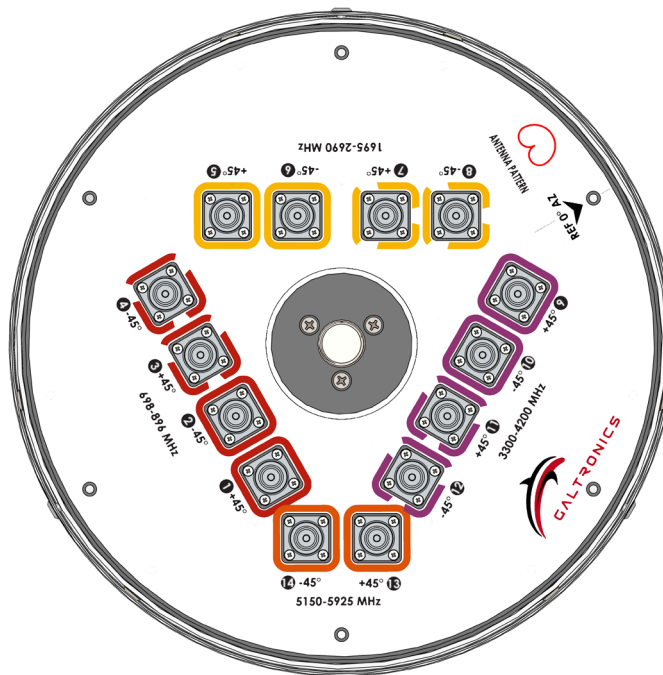
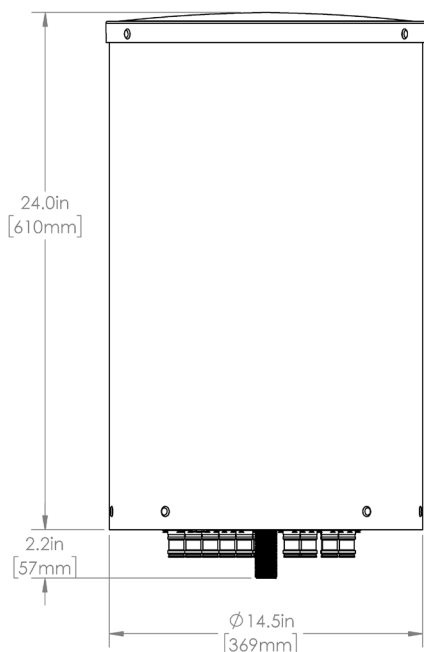


3720 MHz



5200 MHz

Mechanical Outline & Bottom Plate Labels



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

Part Numbers, Ordering Options

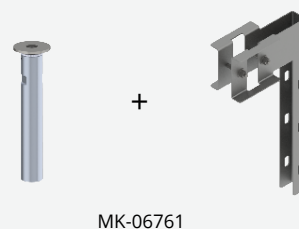
Description:	Color	Mounting Kit	Part Number:
Cardioid Pattern Canister Antenna with 14x 4.3-10(F)	Gray	Including MK-06761 mounting kit assembly	GC2414-07320-1xx
	Brown		GC2414-07320-6xx
	Black		GC2414-07320-Bxx

Mounting Bracket(s):

Mounting Kit Assembly, Canister, Pole Top (wind speed of 150 mph)

The assembly kit includes a 1" Mount Rod Adapter (MK-06678: universal interface for pole top installation) and a Pole Top Mounting Bracket (MK-06679: a bracket base attached directly to wood, metal and cement poles).

Note: 1" Rod Adapter (MK-06678) and Pole Top Mounting Bracket (MK-06679) may be ordered separately.



MK-06761