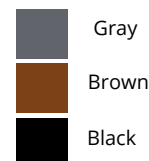


**2' 18-Port Cardioid Pattern Antenna [698-896, 1695-2690, 3300-4200 and 5150-5925 MHz]**

# GC2418-07322

**Description:**

- Cardioid Pattern Canister Antenna for Small Cells and Outdoor DAS
- 4x ports for Low Band 698-896 MHz
- 8x 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  
18-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**

<b>Frequency Band [MHz]</b>	698-896	1695-2200	2305-2360	2496-2690	3300-3550	3550-3700	3700-4200	5150-5925
<b>Input Connector Type</b>	4x 4.3-10(F)	8x 4.3-10(F)			4x 4.3-10(F)		2x 4.3-10(F)	
<b>Isolation (min.)</b>	20 dB							25 dB
<b>VSWR (max.) /RL (min.)</b>	1.5:1 / 14.0 dB							
<b>Impedance</b>	50 Ω							
<b>Polarization</b>	Dual slant 45° (±45°)							
<b>Horizontal Beamwidth</b>	Cardioid (240°)							
<b>Vertical Beamwidth</b>	70.4°	27.8°	24.0°	21.0°	25.1°	23.9°	22.6°	20.8°
<b>Gain (max.)</b>	5.2 dBi	9.1 dBi	9.1 dBi	9.4 dBi	9.7 dBi	10.0 dBi	10.1 dBi	4.9 dBi
<b>Gain (avg.)</b>	4.5 dBi	7.8 dBi	8.2 dBi	8.6 dBi	9.2 dBi	9.5 dBi	8.9 dBi	4.2 dBi
<b>Downtilt</b>	0° Fixed							
<b>Max Power / Port</b>	100 Watts				100 Watts		1 Watt	
<b>PIM @ 2x43 dBm</b>	<-153 dBc				<-145 dBc		N/A	

**Mechanical Specifications**

<b>Operating Temperature</b>	-40° to 158°F (-40° to +70°C)
<b>Antenna Weight</b>	25.5 lbs (11.6 kg)
<b>Antenna Diameter</b>	14.5" (369 mm)
<b>Antenna Height</b>	24.0" (610 mm)
<b>Radome Material</b>	ASA
<b>Radome Color</b>	Gray, Brown, Black
<b>Environmental Rating</b>	Outdoor
<b>Wind Survival Rating</b>	150 mph (241 km/h)

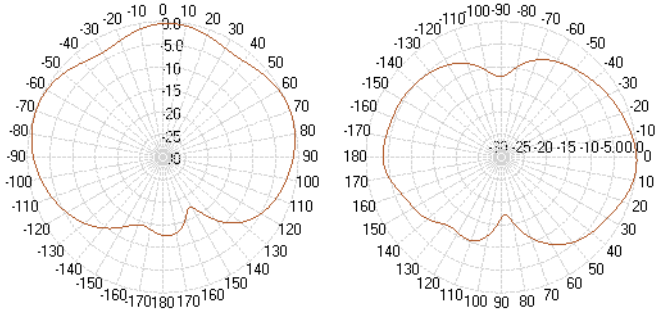
RFD# 7323 ; Revision: R2 ; Release Date: November 23, 2021;



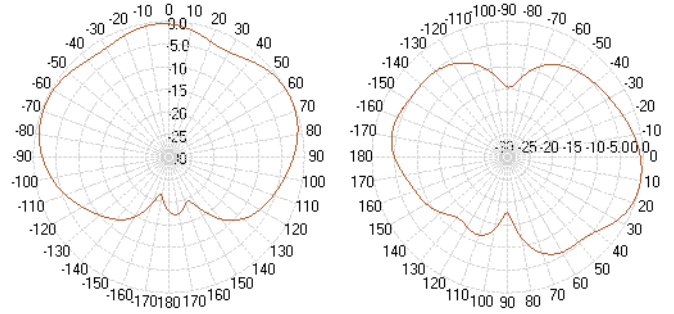
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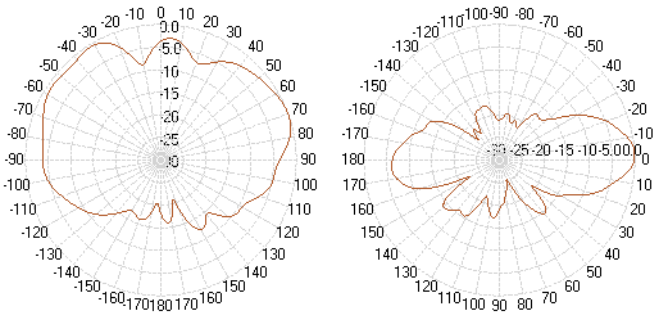
## 2D Antenna Patterns



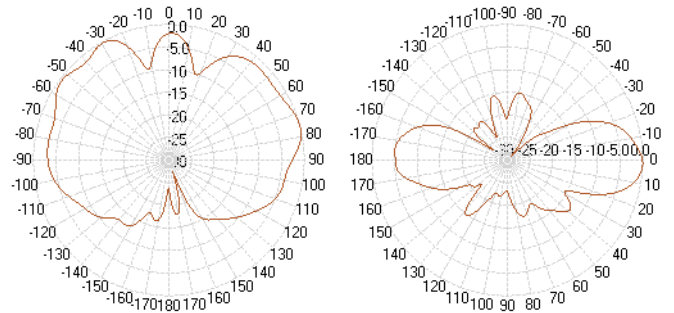
776 MHz



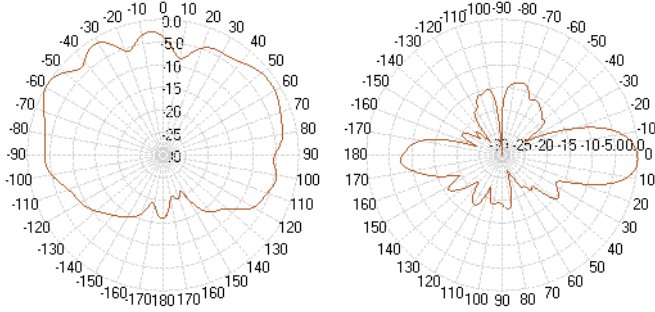
860 MHz



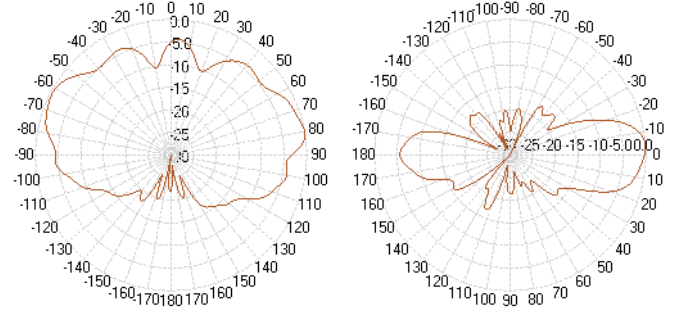
1920 MHz



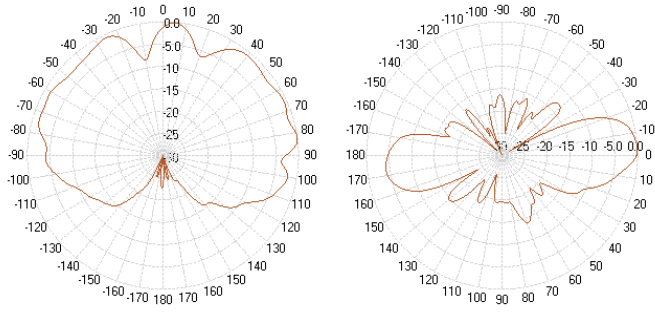
2200 MHz



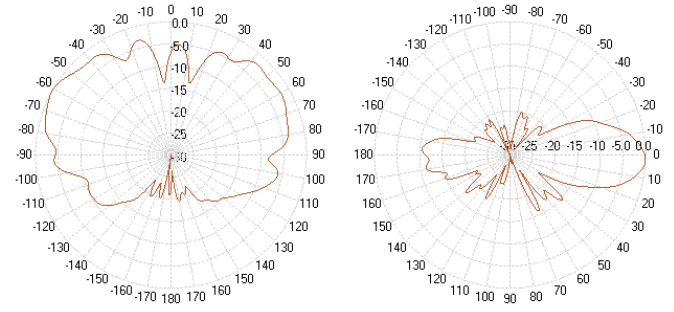
2620 MHz



3600 MHz



3920 MHz



5200 MHz

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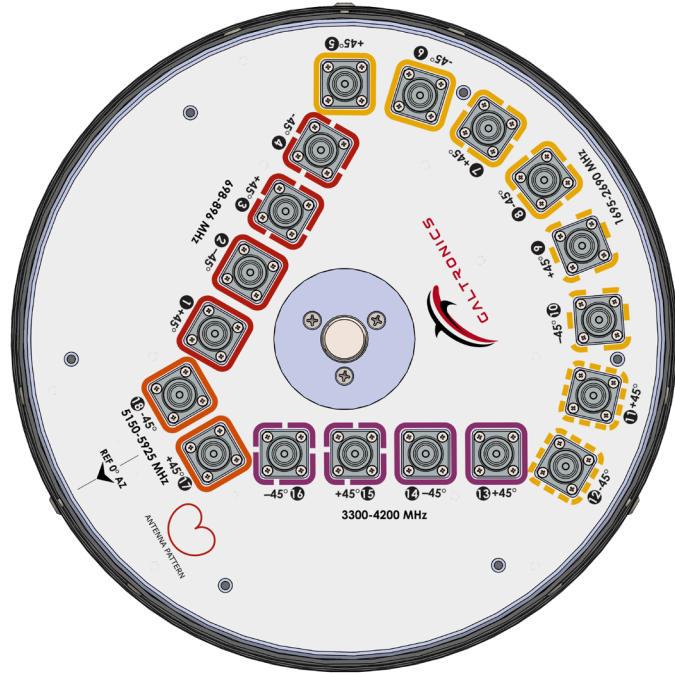
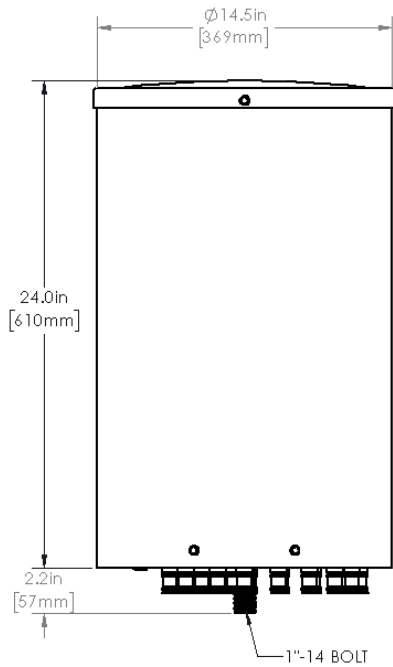
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**Mechanical Outline & Bottom Plate Labels**



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

**Part Numbers, Ordering Options**

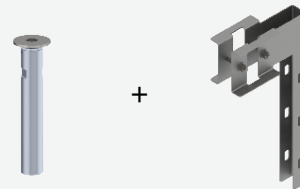
Description	Color	Mounting Kit	Part Number
Cardioid Pattern Canister Antenna with 18x 4.3/10(F) Connectors	Gray	Including MK-06761 mounting kit assembly	GC2418-07322-1xx
	Brown		GC2418-07322-6xx
	Black		GC2418-07322-Bxx

**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

RFD# 7323 ; Revision: R2 ; Release Date: November 23, 2021;