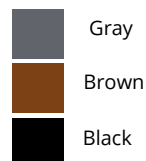


2' 18-Port Single Beam Pattern Antenna [698-896, 1695-2690, 3300-4200 and 5150-5925 MHz]

GC2418-07324

Description:

- Single Beam Pattern Canister Antenna for Small Cells and Outdoor DAS
- 4x ports for Low Band 698-896 MHz
- 8x ports for AWS/PCS/WCS Band 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 Single Beam 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

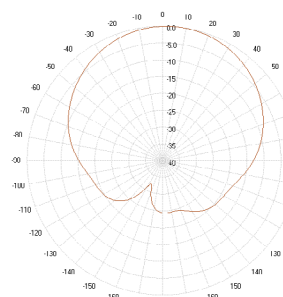
Electrical Specifications

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)	8x 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	76°	75°	70°	73°	52°	46°	54°	50°
Vertical Beamwidth	78°	28.7°	24.3°	21.7°	25.4°	23.1°	22.7°	18.7°
Gain (max.)	8.6 dBi	12.0 dBi	12.5 dBi	12.5 dBi	13.4 dBi	13.7 dBi	13.0 dBi	5.3 dBi
Gain (avg.)	7.9 dBi	10.8 dBi	11.9 dBi	11.9 dBi	11.9 dBi	12.3 dBi	12.2 dBi	3.8 dBi
Downtilt	0° Fixed							
Max Power / Port	100 Watts				100 Watts			1 Watt
PIM @ 2x43 dBm	<-153 dBc				<-145 dBc			N/A

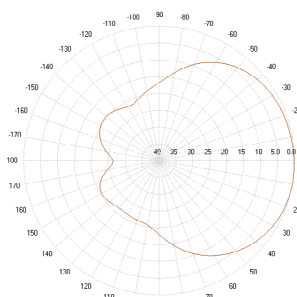
Mechanical Specifications

Operating Temperature	-40° to 158°F (-40° to +70°C)
Antenna Weight	25 lbs (11.4 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)

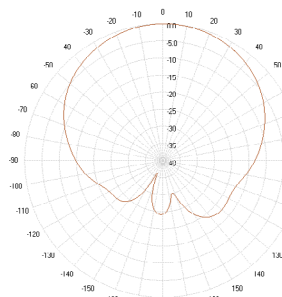
2D Antenna Patterns



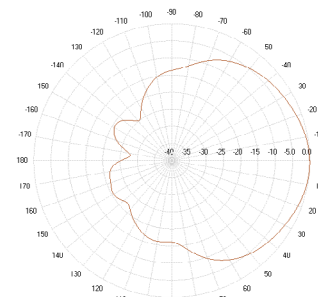
722 MHz



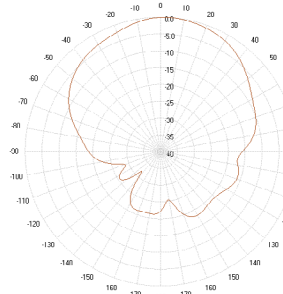
860 MHz



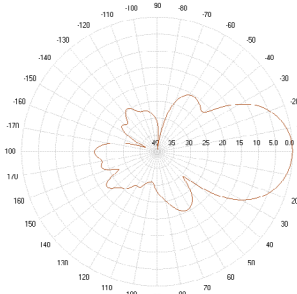
1710 MHz



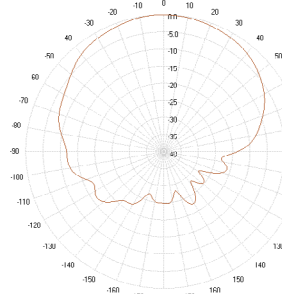
1910 MHz



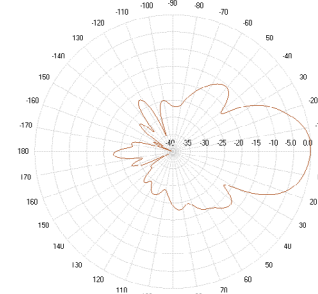
2500 MHz



3500 MHz

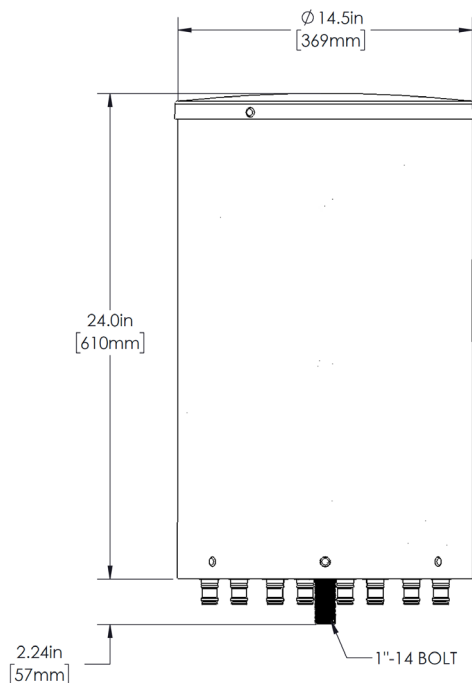


3690 MHz

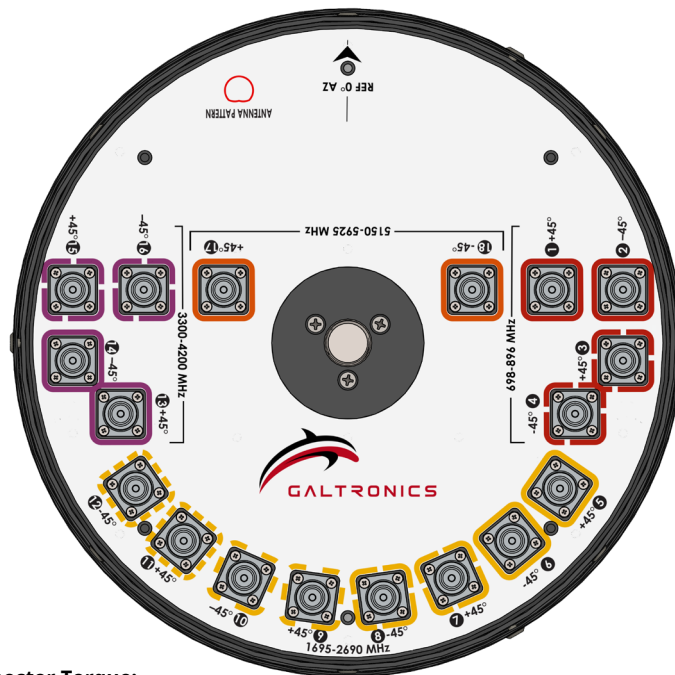


5225 MHz

Mechanical Outline & Bottom Plate Labels



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



Part Numbers, Ordering Options

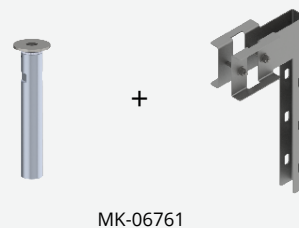
Description	Color	Mounting Kit	Part Number
Single Beam Pattern Canister Antenna with 18x 4.3-10(F)	Gray	Including MK-06761 mounting kit assembly	GC2418-07324-1xx
	Brown		GC2418-07324-6xx
	Black		GC2418-07324-Bxx

Mounting Brackets & Optional Accessories

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