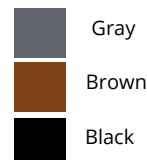


2' 10-Port Single Beam Antenna [1695-2690, 3300-4200 and 5150-5925 MHz]

GC2410-B6843

Description:

- Single Beam Canister Antenna for Small Cells and Outdoor DAS
- 4x ports for AWS/PCS/WCS/BRS Bands 1695-2690 MHz
- 4x ports for 3300-4200 MHz
- 2x ports for U-NII-1/-2/-3/-4 Bands 5150-5925 MHz*
- Single beam pattern for spot fill coverage areas



1695-2690, 3300-4200 and 5150-5925 MHz
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

Electrical Specifications

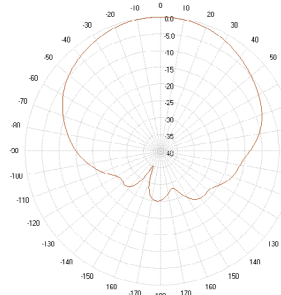
Frequency Band [MHz]	1695-2200	2305-2360	2496-2690	3300-3550	3550-3700	3700-4200	5150-5925
Input Connector Type	4x 4.3-10 (F)			4x 4.3-10 (F)			2x 4.3-10 (F)
Isolation (min.)	20 dB	23 dB		23 dB	20 dB		25 dB
VSWR (max.) / RL (min.)	1.5:1 / 14.0 dB						
Impedance	50 Ω						
Polarization	Dual slant 45° (±45°)						
Horizontal Beamwidth	76°	72°	85°	59°	56°	55°	62°
Vertical Beamwidth	22.7°	19.0°	17.7°	19.6°	18.0°	18.1°	22.6°
Gain (max.)	13.0 dBi	13.5 dBi	13.1 dBi	14.6 dBi	14.6 dBi	15.1 dBi	5.5 dBi
Gain (avg.)	12.1 dBi	12.9 dBi	12.8 dBi	13.6 dBi	13.8 dBi	13.9 dBi	4.7 dBi
Downtilt	0° Fixed						
Max Power / Port	100 Watts			100 Watts			1 Watt
PIM @ 2x43 dBm	<-153 dBc			<-145 dBc			N/A

Mechanical Specifications

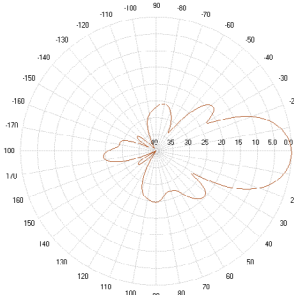
Operating Temperature	-40° to 158°F (-40° to +70°C)
Antenna Weight	16.0 lbs (7.3 kg)
Antenna Dimension (Diameter x Height)	10.0" (255 mm) x 23.5" (598.1mm)
Radome Material	ASA
Radome Color	Gray, Brown and Black
Ingress Protection	Outdoor (IP65)
Wind Survival Rating	150 mph (241 km/h)

RFD#: B6843 ; Revision: R3 ; Release Date: November 23, 2021;

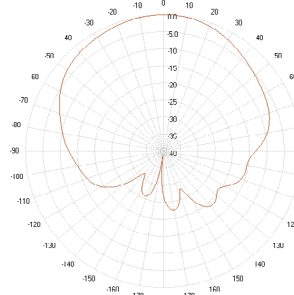
2D Antenna Patterns



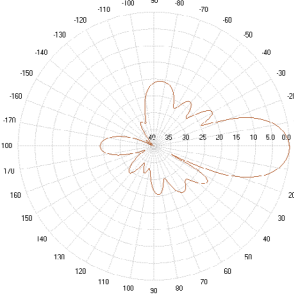
1710 MHz



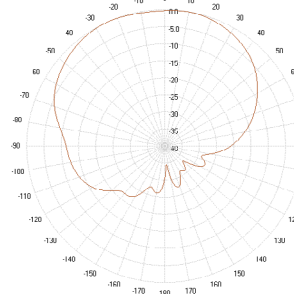
1950 MHz



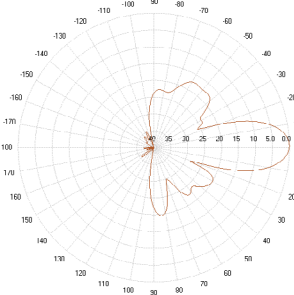
2140 MHz



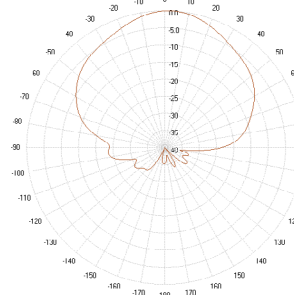
2655 MHz



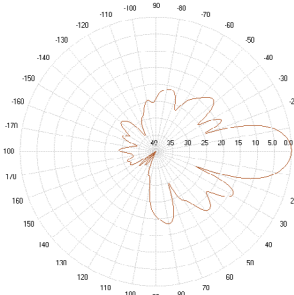
3690 MHz



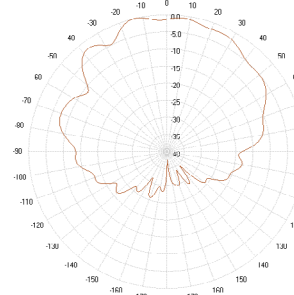
3880 MHz



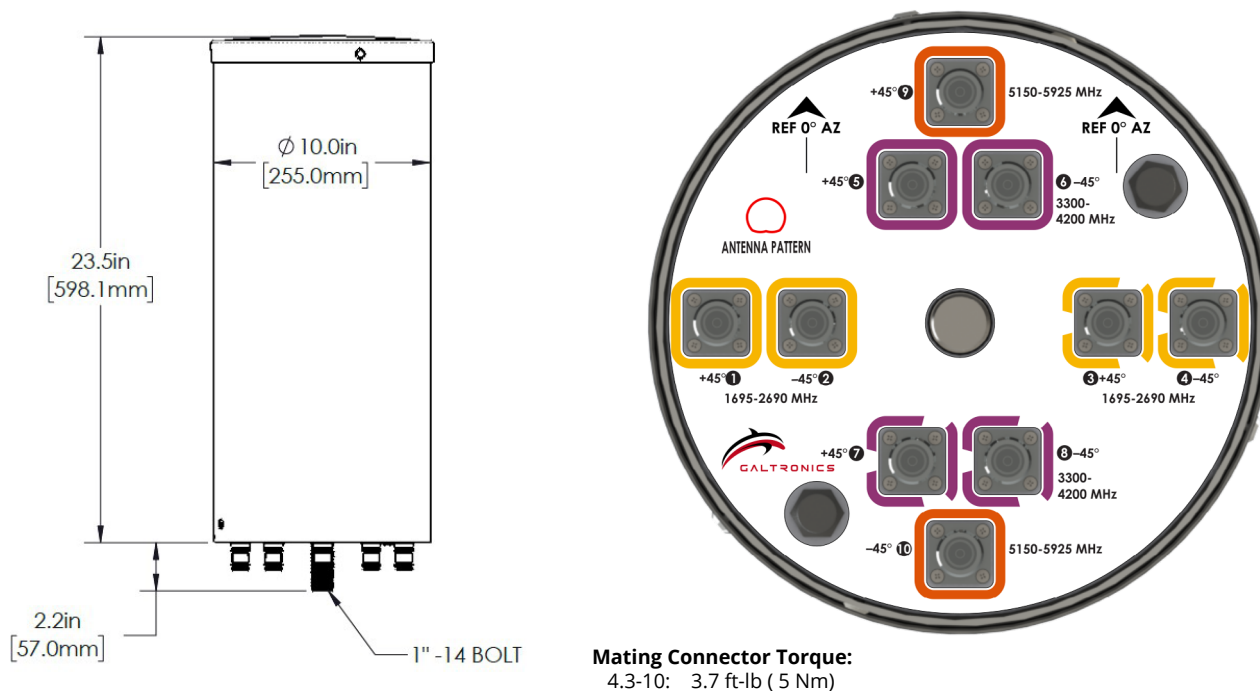
4000 MHz



5250 MHz



Mechanical Outline & Bottom Plate Labels



Part Numbers & Ordering Options

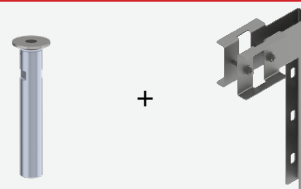
Description	Color	Mounting Kit	Part Number
10-Port Single Beam Canister Antenna with 10x 4.3/10 Connectors	Gray	Includes MK-06761 Mounting Kit	GC2410-B6843-1xx
	Brown		GC2410-B6843-6xx
	Black		GC2410-B6843-Bxx

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