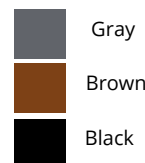


2' 22-Port Quasi-Omni Canister Antenna [1695-2690, 3300-3550/3700-4200, 3550-3700 & 5150-5925 MHz]

GQ2422-07485

Description:

- Quasi-Omni Canister Antenna for Outdoor DAS and Small Cells
- 8x ports for AWS/PCS/WCS/BRS Bands 1695-2690 MHz
- 8x ports for LS6 3300-3550/3700-4200 MHz with High Gain
- 4x ports for CBRS 3550-3700 MHz
- 2x ports for U-NII Band 5150-5925 MHz*



1695-2690, 3300-3550/3700-4200MHz 3550-3700 and 5150-5925 MHz 22-Port Quasi-Omni 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

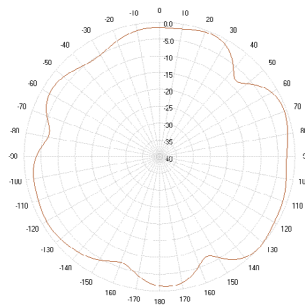
Frequency Band [MHz]	1695-2200	2305-2360	2496-2690	3300-3550	3700-4200	3550-3700	5150-5925
Input Connector Type	8x 4.3-10(F)			8x 4.3-10(F)		4x 4.3-10(F)	2x 4.3-10(F)
Isolation (min.)	20 dB	25 dB		23 dB		23 dB	25 dB
VSWR (max.) /RL (min.)	1.5:1 / 14.0 dB						
Polarization	Dual slant 45° (±45°)						
Horizontal Beamwidth	Omni (360°)						
Vertical Beamwidth	28.9°	21.9°	21.3°	18.8°	16.7°	24.6°	22.5°
Gain (max.)	7.8 dBi	8.2 dBi	8.0 dBi	9.2 dBi	9.2 dBi	7.5 dBi	5.5 dBi
Gain (avg.)	6.9 dBi	7.0 dBi	7.3 dBi	8.4 dBi	8.1 dBi	6.7 dBi	4.7 dBi
Downtilt	0° Fixed						
Max Power / Port	100 Watts			100 Watts		50 Watts	1 Watt
PIM @ 2x43 dBm (max.)	-153 dBc			-145 dBc			N/A
Impedance	50 Ω						

Mechanical Specifications

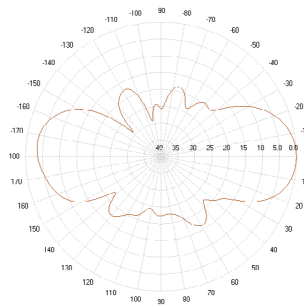
Operating Temperature	-40° to 158°F (-40° to +70°C)
Antenna Weight	27.0 lbs (12.3 kg)
Antenna Diameter	14.5" (369.0 mm)
Antenna Height	24.0" (610 mm)
Radome Material	ASA
Radome Color	Gray, Brown and Black
Ingress Protection	Outdoor (IP65)
Wind Survival Rating	150 mph (241 km/h)

RFD# 7485 ; Revision: R2 ; Release Date: November 22, 2021;

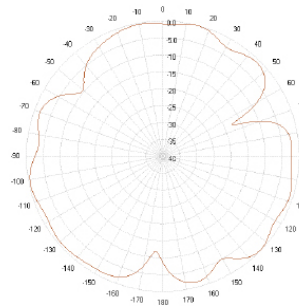
2D Antenna Patterns



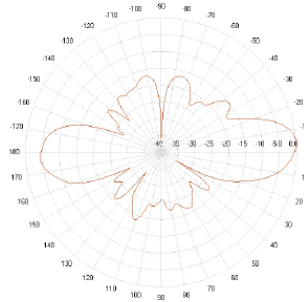
1710 MHz



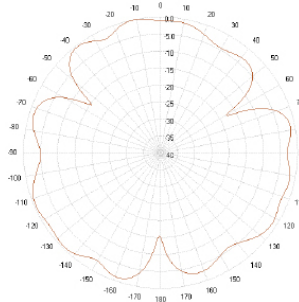
2170 MHz



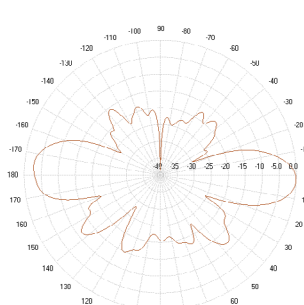
2355 MHz



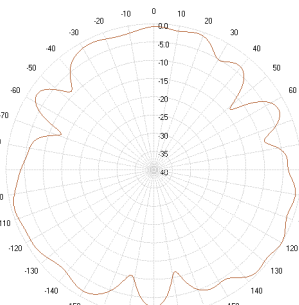
2500 MHz



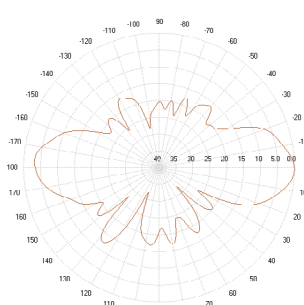
3500 MHz (LS6 Low)



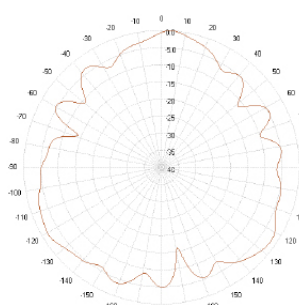
3760 MHz (LS6 High)



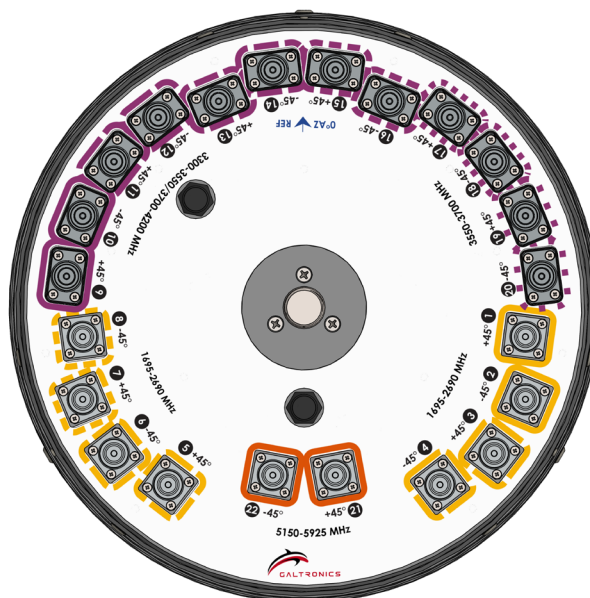
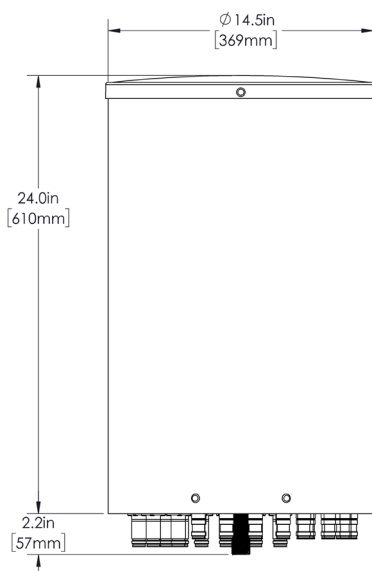
3600 MHz (CBRS)



5250 MHz



Antenna Outline and Bottom View with Label



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

Part Numbers & Ordering Options

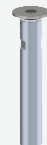
Description	Color	Mounting Kit	Part Number
22-Port Quasi-Omni Pattern Canister Antenna with 4.3/10 Connectors	Gray	Includes MK-06761 Mounting Kit	GQ2422-07485-1xx
	Brown		GQ2422-07485-6xx
	Black		GQ2422-07485-Bxx

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.



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MK-06761