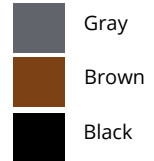


2' 18-Port Quasi-Omni Canister Antenna [1695-2690, 3300-4200 & 5150-5925 MHz]

GQ2418-07488

Description:

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



1695-2690, 3300-4200MHz and 5150-5925 MHz
18-Port Quasi-Omni Canister Antenna

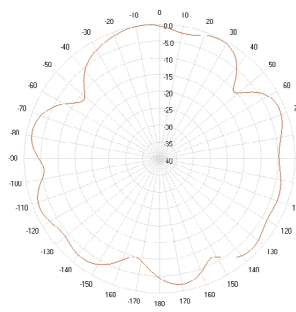
*Compliant to 789033 D02 General U-NII Test Procedures New Rules v01r04: The antenna meets current U-NII-1 requirements for gain and upper side-lobe performance. Guidelines for Compliance Testing of Unlicensed National Information Infrastructure (U-NII) Devices - Part 15, Sub-part E

Electrical Specifications							
Frequency Band [MHz]	1695-2200	2305-2360	2496-2690	3300-3550	3550-3700	3700-4200	5150-5925
Input Connector Type	8x 4.3-10(F)			8x 4.3-10(F)			2x 4.3-10(F)
Isolation (min.)	25 dB						
VSWR (max.) /RL (min.)	1.5:1 / 14.0 dB						
Polarization	Dual slant 45° (±45°)						
Horizontal Beamwidth	Omni (360°)						
Vertical Beamwidth (°)	28.8	22.6	21.8	19.0	18.4	17.4	22.9
Gain (dBi, max.)	7.9	9.3	9.6	9.6	9.7	9.4	4.1
Gain (dBi, avg.)	7.2	7.6	7.9	8.7	8.8	8.0	3.3
Downtilt	0° Fixed						
Max Power / Port	100 Watts			100 Watts			1 Watt
PIM @ 2x43 dBm (max.)	-153 dBc			-150 dBc			N/A
Impedance	50 Ω						

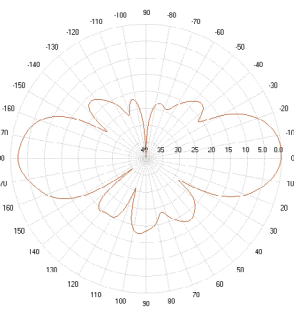
Mechanical Specifications	
Operating Temperature	-40° to 158°F (-40° to +70°C)
Antenna Weight	25.5 lbs (11.6 kg)
Antenna Diameter	14.5" (369.0 mm)
Antenna Height	24.0" (610 mm)
Radome Material	ASA
Radome Color	Gray, Brown and Black
Environmental Rating	Outdoor
Wind Survival Rating	150 mph (241 km/h)

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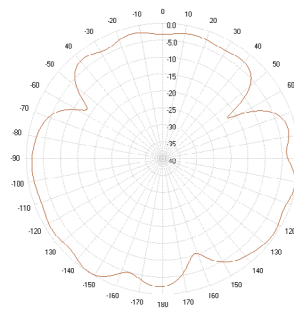
2D Antenna Patterns



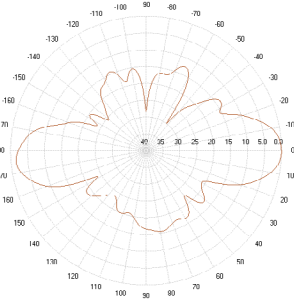
1910 MHz



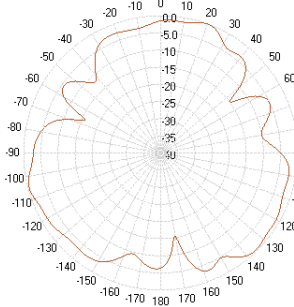
2305 MHz



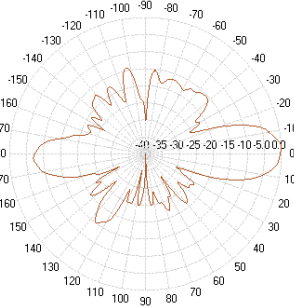
2535 MHz



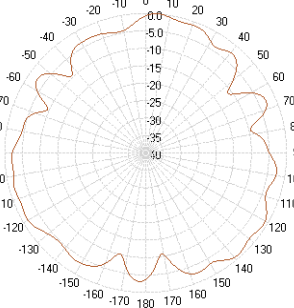
3550 MHz



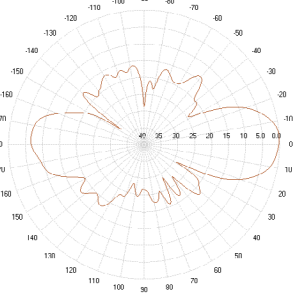
3690 MHz



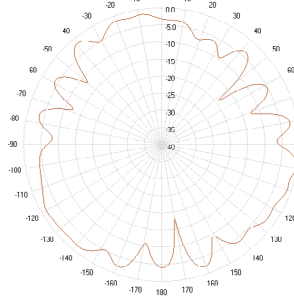
3800 MHz



5150 MHz

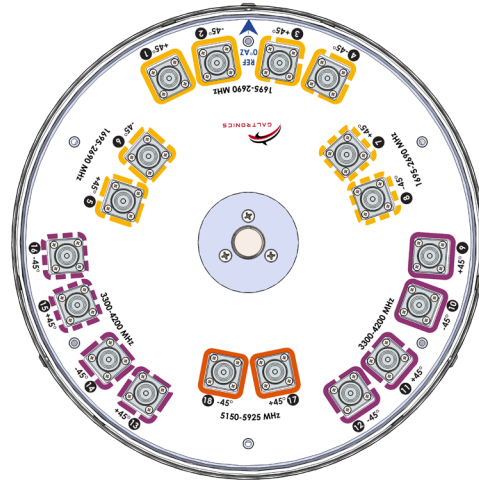
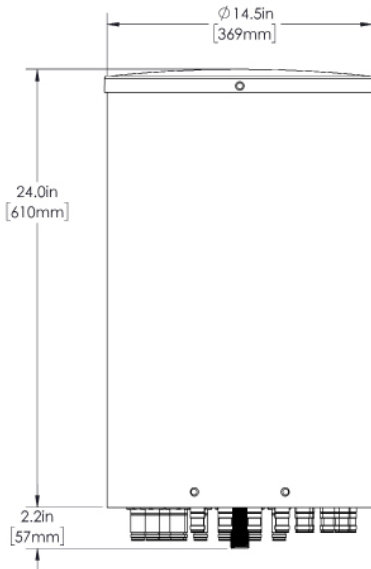


5925 MHz



RFD# 7488 , Revision: R1 : Release Date: March 16, 2022;

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
18-Port Quasi-Omni Pattern Canister Antenna with 4.3/10 Connectors	Gray	Includes MK-06761 Mounting Kit	GQ2418-07488-1xx
	Brown		GQ2418-07488-6xx
	Black		GQ2418-07488-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