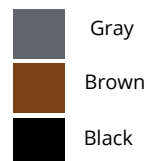


2' 18-Port Quasi-Omni Pattern Canister Antenna [698-896, 1695-2690, 3300-4200 and 5150-5925 MHz]

GQ2418-07250

Description:

- Quasi-Omni Pattern Canister Antenna for Outdoor DAS and Small Cells
- 4x ports for Low Band 698-896 MHz
- 8x ports for AWS/PCS/WCS Band 1695-2690 MHz
- 4x ports 3330-4200 MHz
- 2x ports for U-NII Band 5150-5925 MHz*



698-896, 1695-2690, 3300-4200 and 5150-5925 MHz
18-Port Quasi-Omni 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

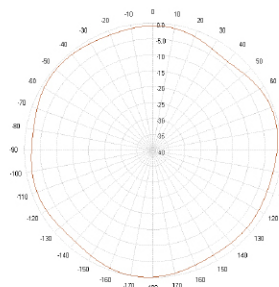
Electrical Specifications

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 (dB, min.)	25	25			20	25		22
VSWR (max.) /RL (min.)	1.5:1 / 14.0 dB							
Impedance	50 Ω							
Polarization	Dual slant 45° (±45°)							
Horizontal Beamwidth	Omni (360°)							
Vertical Beamwidth (°)	77.7	28.6	23.6	20.3	24.3	24.1	22.9	21.1
Gain (dBi, max.)	3.7	8.0	7.7	8.7	8.6	8.6	8.9	5.0
Gain (dBi, avg.)	2.9	6.9	7.0	7.8	7.4	7.8	7.3	3.2
Downtilt	0° Fixed							
Max Power / Port	100 Watts							1 Watt
PIM @ 2x43 dBm (max.)	-153 dBc				-145 dBc			N/A

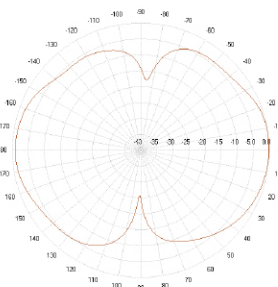
Mechanical Specifications

Operating Temperature	-40° to 158°F (-40° to +70°C)
Antenna Weight	25.0 lbs (11.36 kg)
Antenna Diameter	14.5" (369 mm)
Antenna Height	24.0" (609.6 mm)
Radome Material	ASA
Radome Color	Gray, Brown, Black
Ingress Protection	Outdoor (IP65)
Wind Survival Rating	150 mph (241 km/h)

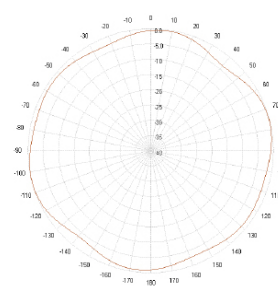
2D Antenna Patterns



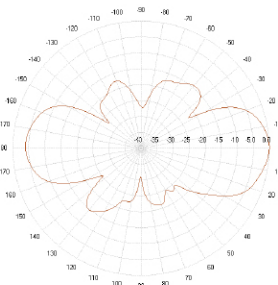
750 MHz



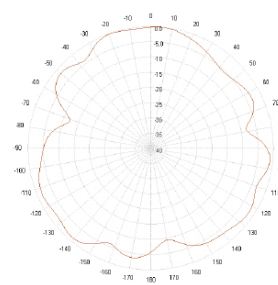
880 MHz



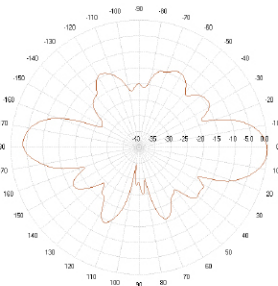
1730 MHz



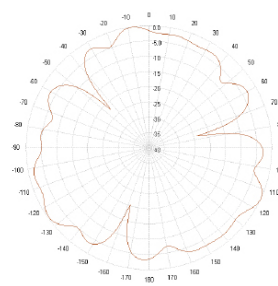
2170 MHz



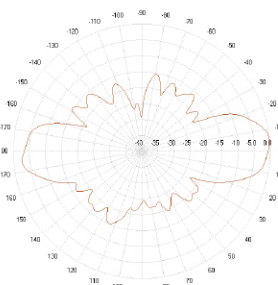
2559 MHz



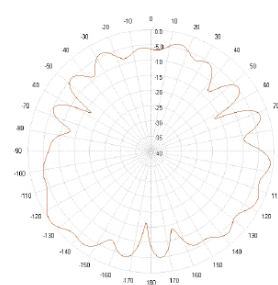
3550 MHz



3960 MHz

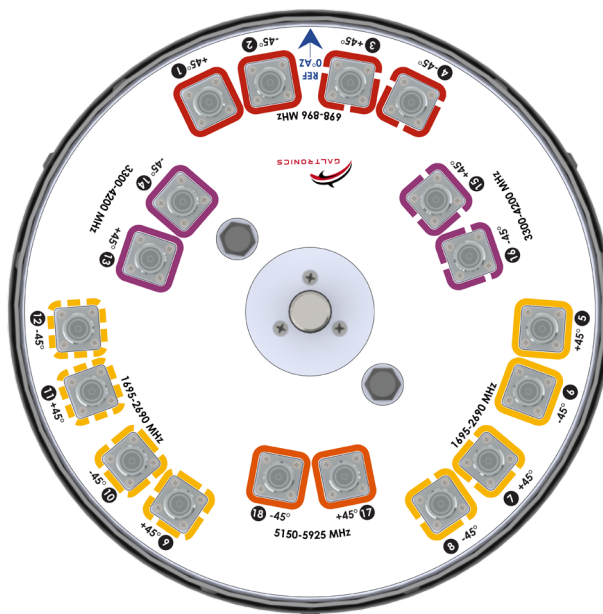
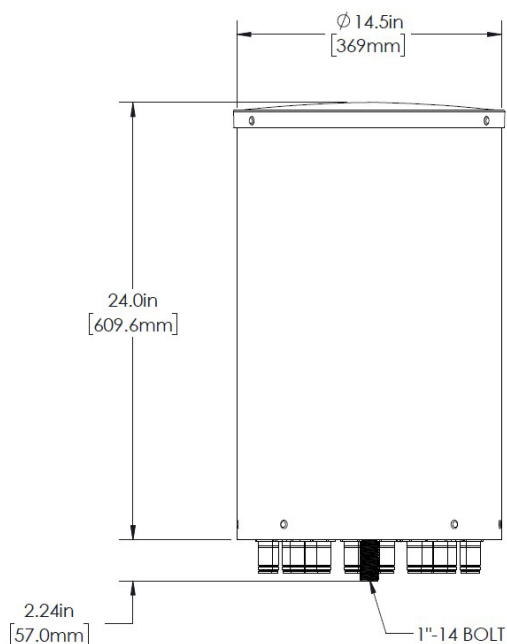


5200 MHz



Additional Technical Information

Mechanical Dimensions



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 18x 4.3-10(F)	Gray	Including MK-06761 mounting kit assembly	GQ2418-07250-1xx
	Brown		GQ2418-07250-6xx
	Black		GQ2418-07250-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.

