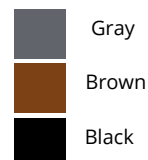


2' 18-Port Quasi-Omni Pattern Canister Antenna [698-896, 1695-2690, 3400-3800 and 5150-5925 MHz]

GQ2418-06941

Description:

- Quasi-Omni 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 for CBRS Band 3400-3800 MHz
- 2x ports for U-NII Band 5150-5925 MHz*



698-896, 1695-2690, 3400-3800 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]	698-806	806-896	1695-2180	2305-2360	2496-2690	3400-3800	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						
VSWR (max.) /RL (min.)	1.5:1 / 14.0 dB						
Impedance	50 Ω						
Polarization	Dual slant 45° (±45°)						
Horizontal Beamwidth	Omni (360°)						
Vertical Beamwidth	87.9°	81.3°	22.2°	18.2°	16.4°	25.5°	22.0°
Gain (max.)	3.8 dBi	4.0 dBi	8.9 dBi	9.8 dBi	9.8 dBi	7.8 dBi	5.5 dBi
Gain (avg.)	3.0 dBi	3.1 dBi	7.4 dBi	8.4 dBi	8.4 dBi	7.1 dBi	4.7 dBi
Downtilt	0° Fixed						
Max Power / Port	100 Watts					50 Watts	1 Watt
PIM @ 2x43 dBm	<-153 dBc					N/A	N/A

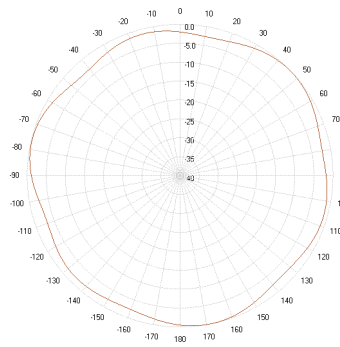
Mechanical Specifications

Operating Temperature	-40° to 158°F (-40° to +70°C)
Antenna Weight	26.3 lbs (11.95 kg)
Antenna Diameter	16.0" (406.4 mm)
Antenna Height	24.0" (609.6 mm)
Radome Material	ASA
Radome Color	Gray, Brown and Black
Ingress Protection	Outdoor (IP65)
Wind Survival Rating	150 mph (241 km/h)

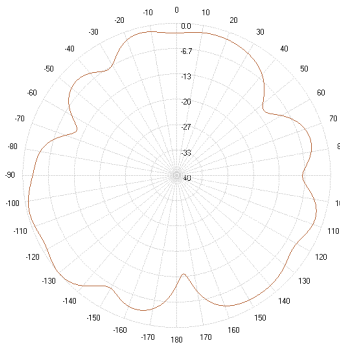
RFD#: 6941 ; Revision: R4 ; Release Date: May 06, 2020

2D Antenna Patterns

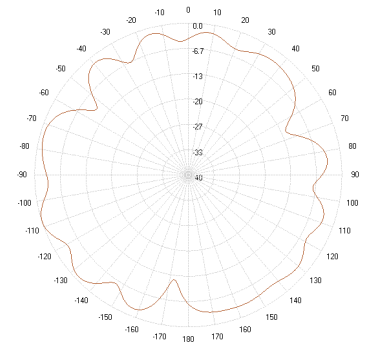
Horizontal



840 MHz

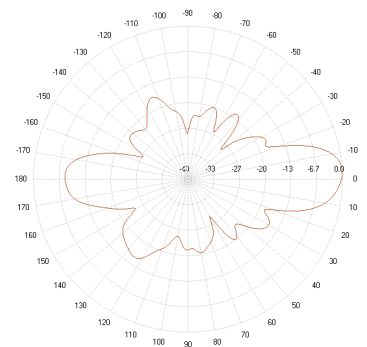
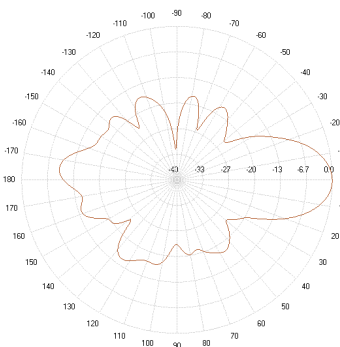
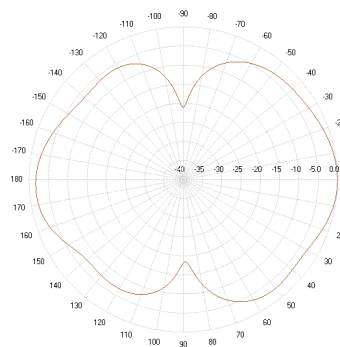


1850 MHz

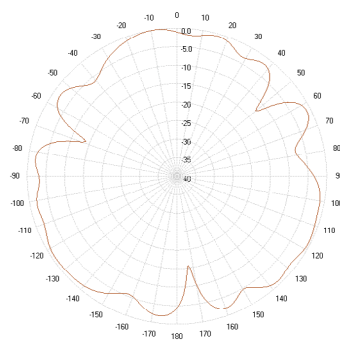


2325 MHz

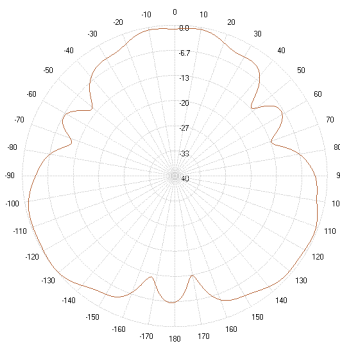
Vertical



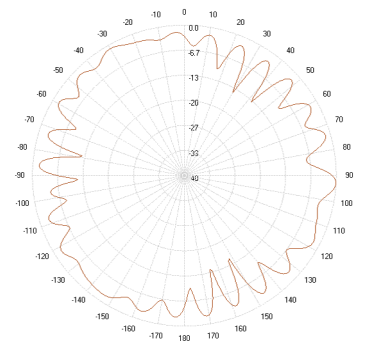
Horizontal



2620 MHz

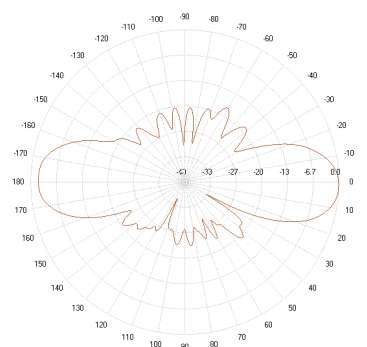
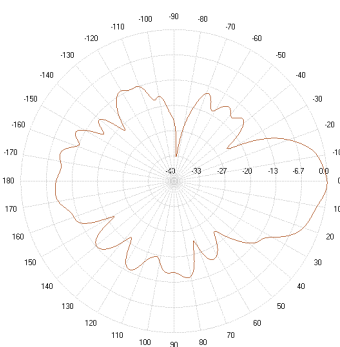
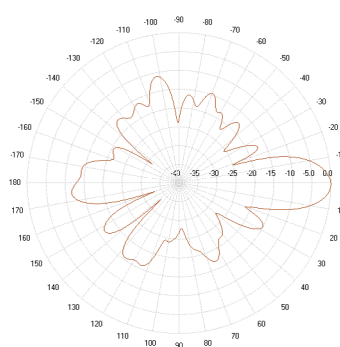


3550 MHz

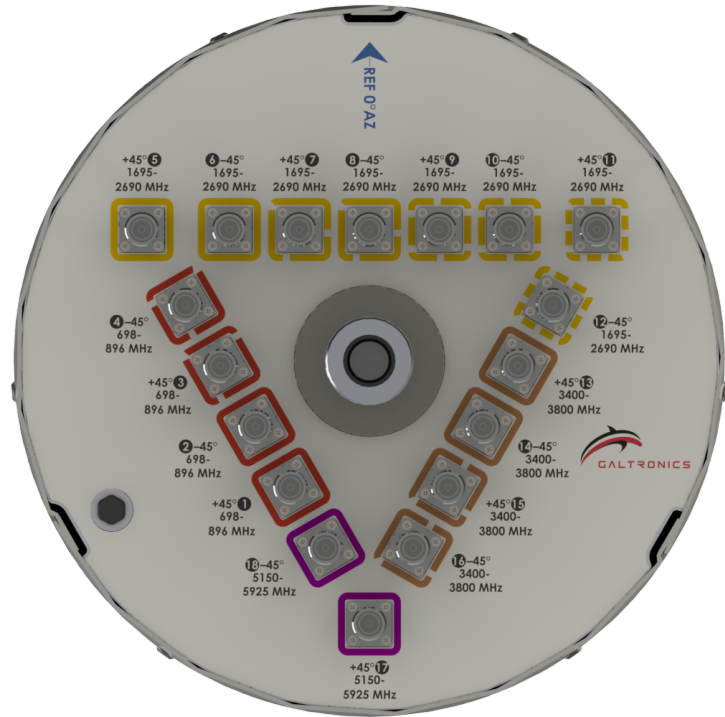
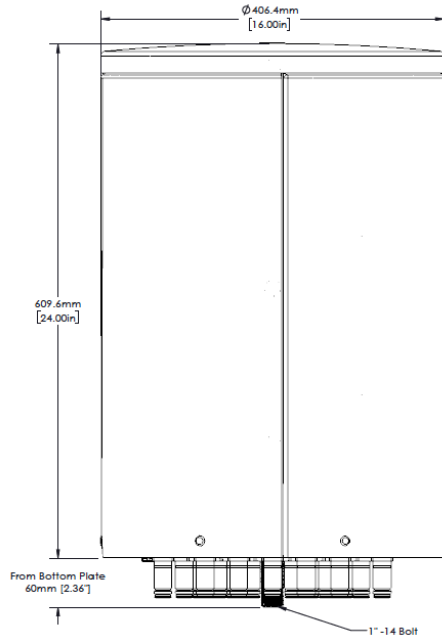


5175 MHz

Vertical



Antenna Outline and Bottom View with Label



Part Numbers & Ordering Options

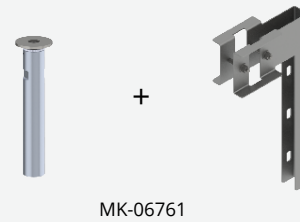
Description	Color	Mounting Kit	Part Number
Quasi-Omni Pattern Canister Antenna with 18x 4.3/10 Connectors	Gray	Includes MK-06761 Mounting Kit	GQ2418-06941-1xx
	Brown		GQ2418-06941-6xx
	Black		GQ2418-06941-Bxx

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.



Mating Connector Torque:

4.3-10: 3.7 ft-lb (5 Nm)