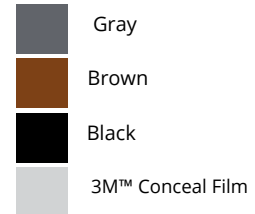


## 2' Pseudo Omni 12-Port Canister Antenna [698-896, 1695-2360, 3550-3700 and 5150-5925 MHz]

# GQ2412-06613

### Description:

- Pseudo Omni Canister Antenna for Outdoor DAS and Small Cells
- 2x ports for Low Band 698-896 MHz
- 4x ports for AWS/PCS/WCS Band 1695-2360 MHz
- 4x ports for CBRS Band 3550-3700 MHz
- 2x ports for U-NII Band 5150-5925 MHz\*



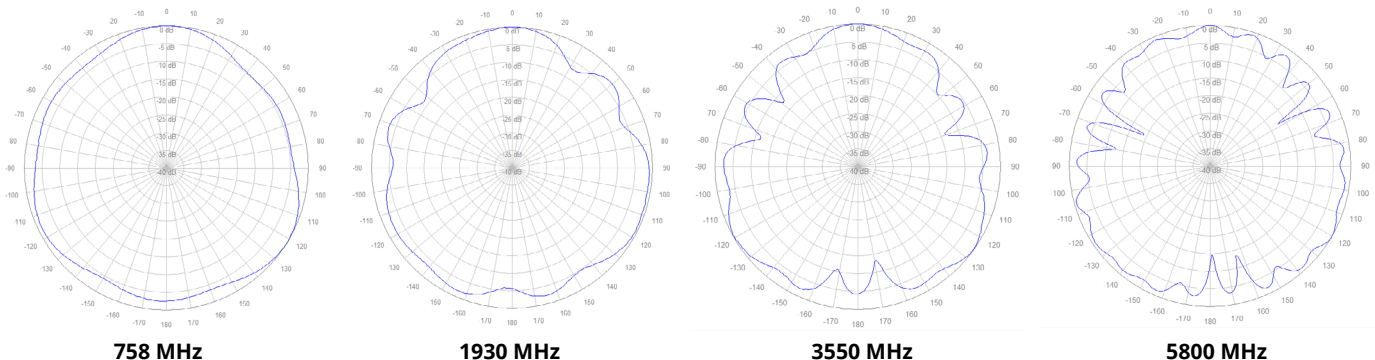
698-896, 1695-2360, 3550-3700 and 5150-5925 MHz  
Pseudo Omni Canister Antenna

\*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, Subpart E

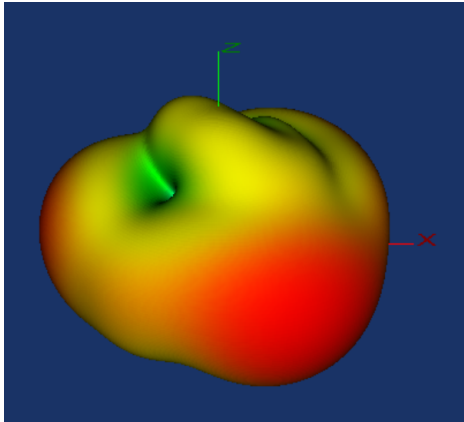
### Electrical Specifications

Frequency Band [MHz]	698-896	1695-2180	2305-2360	3550-3700	5150-5925
Input Connector Type	2x 4.3-10(F)	4x 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	41.7°	19°	15.9°	18°	23.7°
Gain (max.)	7.8 dBi	8.9 dBi	9.1 dBi	8.5 dBi	6 dBi
Gain (avg.)	6.1 dBi	7.5 dBi	8.0 dBi	7.9 dBi	5.4 dBi
Downtilt	0° Fixed				
Max Power / Port	100 Watts	100 Watts		50 Watts	1 Watt
PIM @ 2x43 dBm	<-153 dBc	<-153 dBc		N/A	N/A

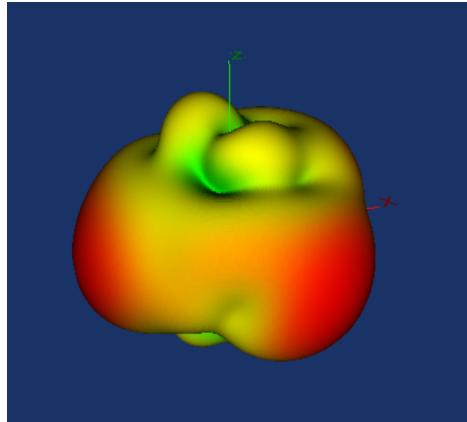
### 2D Antenna Patterns



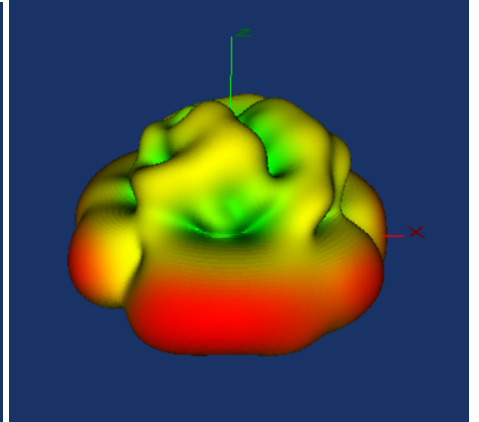
## 3D Antenna Patterns



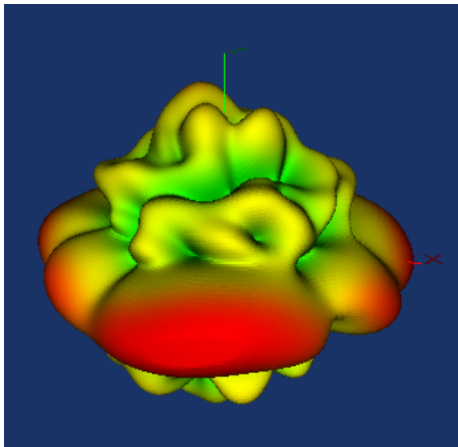
**740 MHz**



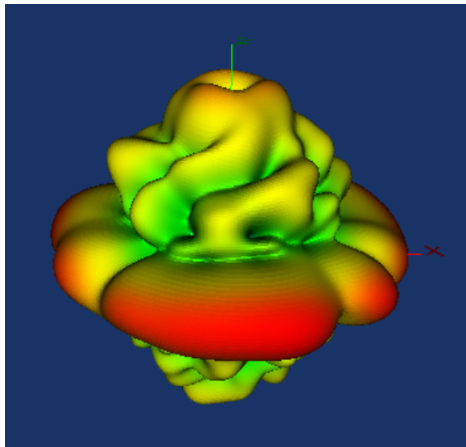
**751 MHz**



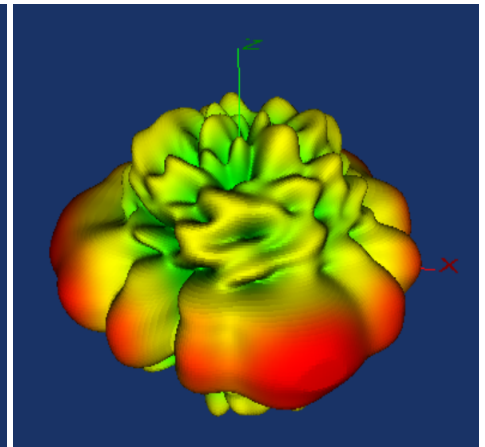
**1770 MHz**



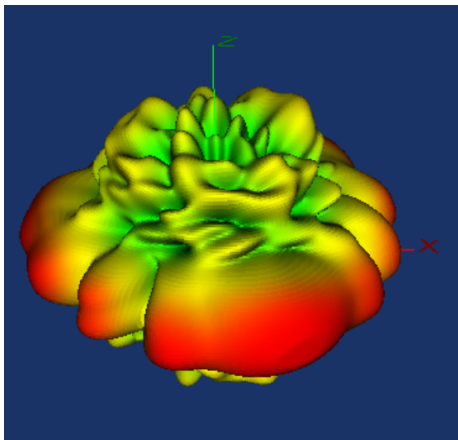
**2155 MHz**



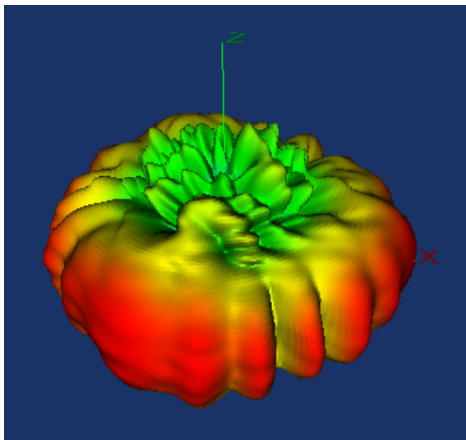
**2325 MHz**



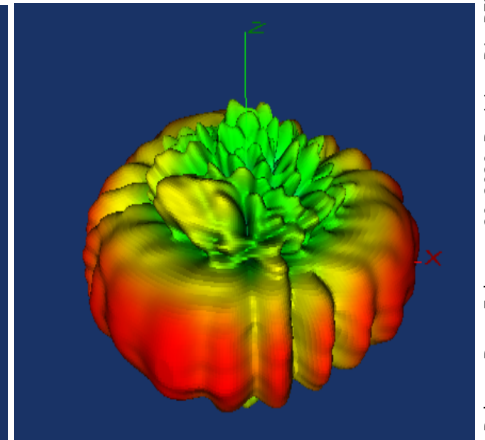
**3580 MHz**



**3650 MHz**



**5200 MHz**

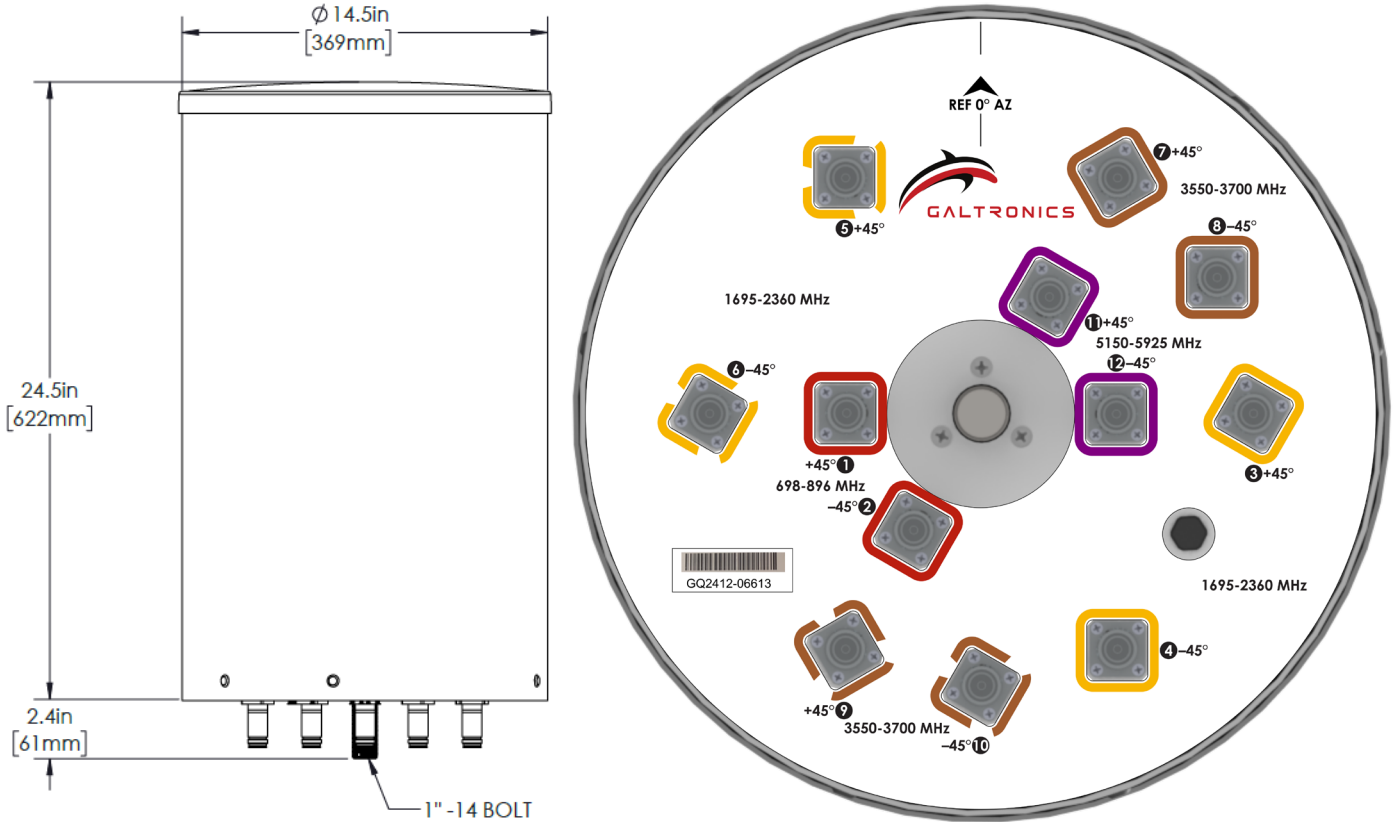


**5850 MHz**

Release Date: February 20, 2020; Revision: R1 : RFD#06613

## Additional Technical Information

### Mechanical Dimensions



### Mechanical Specifications

Operating Temperature	-40° to 158°F (-40° to +70°C)
Antenna Weight	30.9 lbs (14 kg)
Antenna Dimension (Diameter x Height)	14.5" (369mm) x 24.5" (622 mm)
Radome Material	ASA
Radome Color	Gray, Brown, Black, 3M™ Conceal Film
Ingress Protection	Outdoor (IP65)
Wind Survival Rating	150 mph (241 km/h)

#### Mating Connector Torque:

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



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## Part Numbers, Ordering Options

Description:	Part Number:
Antenna with 12x 4.3-10(F) Connectors, Gray	GQ2412-06613-111
Antenna with 12x 4.3-10(F) Connectors, Brown	GQ2412-06613-611
Antenna with 12x 4.3-10(F) Connectors, Black	GQ2412-06613-B11
Antenna with 12x 4.3-10(F) Connectors, Chrome (3M™ Conceal Film)	GQ2412-06613-C11
Antenna with 12x 4.3-10(F) , Gray (including MK-06761 mounting kit assembly)	GQ2412-06613-112
Antenna with 12x 4.3-10(F) , Brown (including MK-06761 mounting kit assembly)	GQ2412-06613-612
Antenna with 12x 4.3-10(F) , Black (including MK-06761 mounting kit assembly)	GQ2412-06613-B12
Antenna with 12x 4.3-10(F) , Chrome (3M™ Conceal Film) - (including MK-06761 mounting kit assembly)	GQ2412-06613-C12

## Mounting Bracket(s):

<p><b>Mounting Kit Assembly, Canister, Pole Top (wind speed of 150 mph)</b></p> <p>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).</p> <p><b>Note:</b> 1" Rod Adapter (MK-06678) and Pole Top Mounting Bracket (MK-06679) may be ordered separately.</p>	 <p>+</p> <p>MK-06761</p>
<p><b>Low Power 50 Ohm Termination Load</b></p>	 <p>TL-06816-102 (Sold Separately)</p>