

2' 10-Port Pseudo Omni Canister with 10° Fixed Tilt [1695-2360, 3550-3700 and 5150-5925 MHz]

GQ2410-06645

Description:

- Pseudo Omni Canister Antenna with 10° Fixed Tilt for Outdoor DAS and Small Cells.
- 4x ports for AWS/PCS/WCS Band 1695-2360 MHz
- 4x ports for CBRS Band 3550-3700 MHz
- 2x ports for UNII Band 5150-5925 MHz*



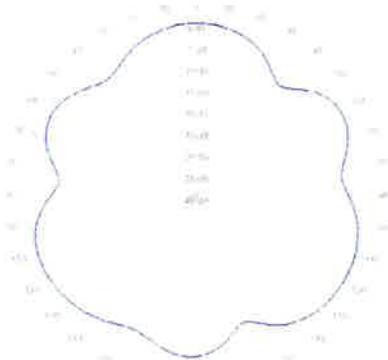
1695-2360, 3550-3700 and 5150-5925 MHz
Pseudo Omni Canister Antenna

*Compliant to 789033 D02 General UNII 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

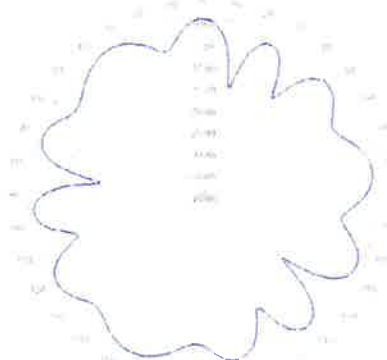
Electrical Specifications

| Frequency Band [MHz] | 1695-2180 | 2305-2360 | 3550-3700 | 5150-5925 |
|-------------------------|-----------------------|-----------|---------------|---------------|
| Input Connector Type | 4x 4.3-10 (F) | | 4x 4.3-10 (F) | 2x 4.3-10 (F) |
| Isolation (Typ.) | 20 dB | | | |
| VSWR/Return Loss (Typ.) | 1.5:1 / 14.0 dB | | | |
| Impedance | 50 Ω | | | |
| Polarization | Dual slant 45° (±45°) | | | |
| Horizontal Beamwidth | Omni (360°) | | | |
| Vertical Beamwidth | 18.9° | 15.0° | 19.3° | 22.5° |
| Max. Gain | 8.0 dBi | 8.4 dBi | 8.4 dBi | 5.9 dBi |
| Avg. Gain | 7.3 dBi | 7.7 dBi | 7.7 dBi | 4.5 dBi |
| Downtilt | 10° Fixed | | 0° Fixed | 0° Fixed |
| Max Power / Port | 100 Watts | | 50 Watts | 1 Watt |
| PIM @ 2x43 dBm | <-153 dBc | | N/A | N/A |

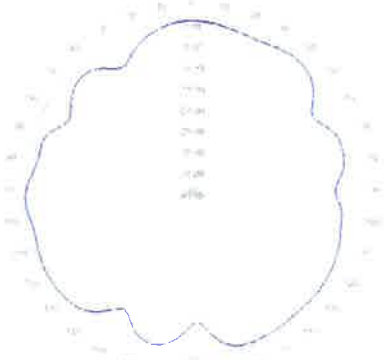
2D Antenna Patterns



1930 MHz

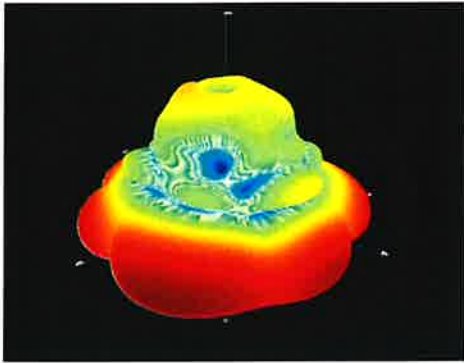


3650 MHz

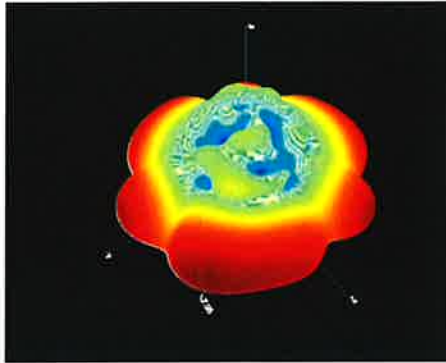


5725 MHz

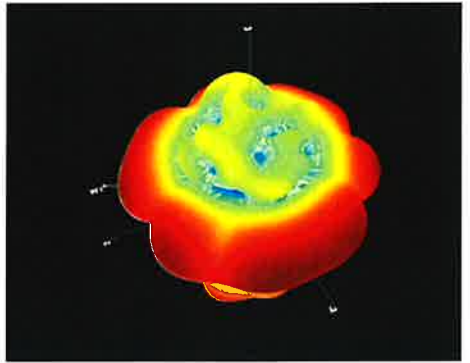
3D Antenna Patterns



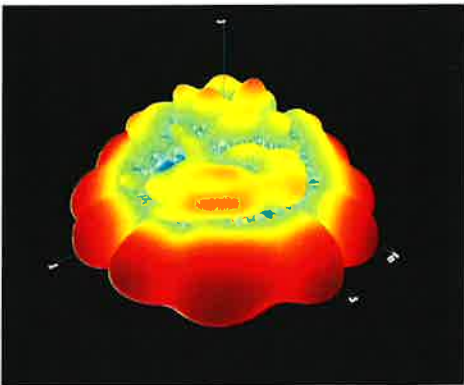
1950 MHz



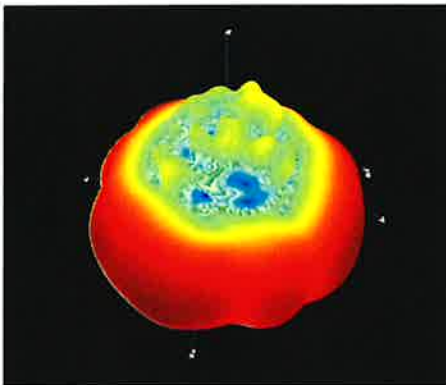
2180 MHz



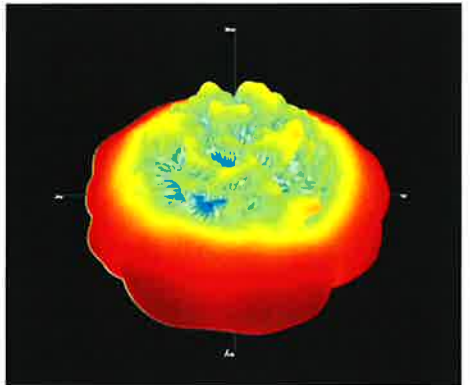
2305 MHz



3650 MHz



5250 MHz



5825 MHz

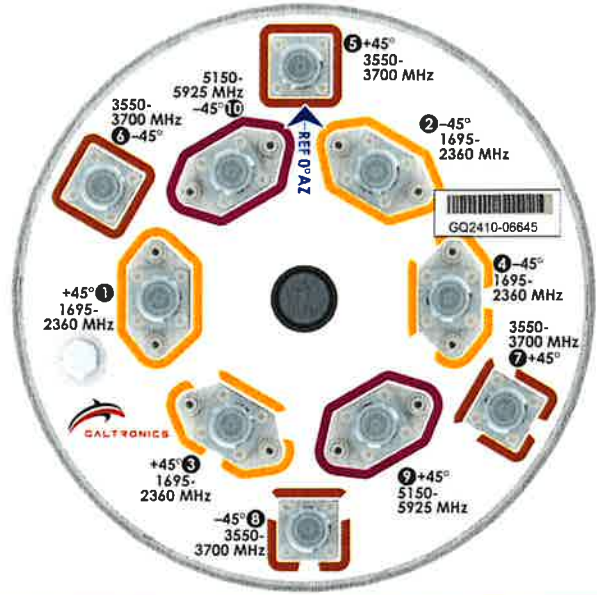
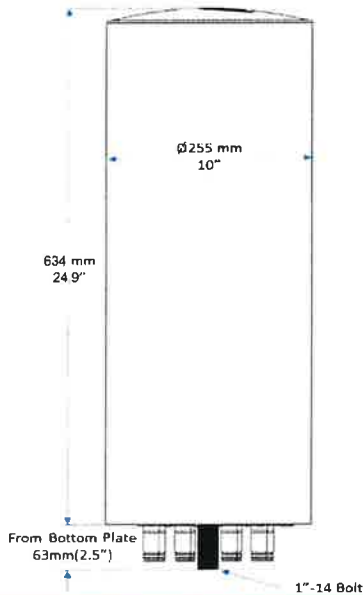


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Additional Technical Information

Mechanical Dimensions



Mechanical Specifications

| | |
|--|--------------------------------------|
| Operating Temperature | -40° to 158°F (-40° to +70°C) |
| Antenna Weight | 16.3 lbs (7.4 kg) |
| Antenna Dimension (Diameter x Height) | 10.0" (255 mm) x 24.9" (634 mm) |
| Radome Material | ASA |
| Radome Color | Gray, Brown, Black, 3M™ Conceal Film |
| Wind Survival Rating | 150 mph (241 km/h) |

Part Numbers, Ordering Options and Accessories

| Description: | Part Number: |
|---|------------------|
| Antenna with 10x 4.3-10(F) Connectors, Gray | GQ2410-06645-111 |
| Antenna with 10x 4.3-10(F) Connectors, Brown | GQ2410-06645-611 |
| Antenna with 10x 4.3-10(F) Connectors, Black | GQ2410-06645-B11 |
| Antenna with 10x 4.3-10(F) Connectors, Chrome (3M™ Conceal Film) | GQ2410-06645-C11 |
| Antenna with 10x 4.3-10(F) Connectors, Gray (including MK-06761 mounting kit assembly) | GQ2410-06645-112 |
| Antenna with 10x 4.3-10(F) Connectors, Brown (including MK-06761 mounting kit assembly) | GQ2410-06645-612 |
| Antenna with 10x 4.3-10(F) Connectors, Black (including MK-06761 mounting kit assembly) | GQ2410-06645-B12 |

Mounting Bracket(s):

| | |
|---|-----------------|
| <p>Mounting Kit Assembly, Canister, Pole Top (wind speed of 150 mph)</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>Note: 1" Rod Adapter (MK-06678) and Pole Top Mounting Bracket (MK-06679) may be ordered separately.</p> | <p>MK-06761</p> |
|---|-----------------|

Mating Connector Torque:

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

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