GALTRONICS

16-Port Quasi-Omni Canister Antenna [1695-2690 & 3300-4200 MHz]

GQ2416-07839-ABC

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
- 30 variants with different color and different tilts for Mid-Band and C-band

1695-2690 & 3300-4200 MHz
16-Port Quasi-Omni Canister Antenna

Electrical Specifications

Frequency Band [MHz]	1695-1880	1850-1990	1920-2200	2305-2360	2496-2690	3300-3550	3550-3700	3700-4200
Input Connector Type	8x 4.3-10 (F)					8x 4.3-10 (F)		
Cross-Pol Isolation (dB)	25							
Interband Isolation (dB)	30							
Network-to-Network Isolation (dB)	28							
VSWR /RL (dB)	1.5:1 / 14.0							
Polarization (°)	Dual slant 45 (±45)							
Horizontal Beamwidth (°)	Omni (360)							
Vertical Beamwidth (°)	30	27	27	22	21	15	14	14
Gain (dBi, max.)	7.9	8.2	8.7	8.8	8.8	10.5	10.9	11.1
Gain BASTA (dBi)	6.6±0.8	7.0±0.8	7.2±0.7	7.6±0.6	7.5±0.7	9.0±1.0	9.1±1.2	8.9±1.3
Downtilt (°)	0, 2, 4 or 6 Fixed							
Max Power / Port (Watt)	100							
PIM @ 2x43 dBm (dBc)	-153							
Impedance (Ω)	50							

Mechanical Specifications

Operating Temperature	-40° to 158°F (-40° to +70°C)
Antenna Weight	22.0 lbs (10.0 kg)
Antenna Dimension (Length x Diameter)	24.0" (609.5 mm) x 14.5" (369.0 mm)
Radome Material	ASA
Radome Color	Gray / Brown / Black
Environmental Rating	Outdoor
Wind Survival Rating	150 mph (241 km/h)
Connector Type	16x 4.3-10 Female

RFD# 7839 ; Revision: R2 ; Release Date: April 22, 2024;

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Product Family Part Numbers

Part Number	LMB (1695-2690MHz) Downtilt	UMB (3300-4200MHz) Downtilt	Color
GQ2416-07839-A00	0° Fixed	0° Fixed	Gray
GQ2416-07839-A22	2° Fixed	2° Fixed	Gray
GQ2416-07839-A24	2° Fixed	4° Fixed	Gray
GQ2416-07839-A26	2° Fixed	6° Fixed	Gray
GQ2416-07839-A42	4° Fixed	2° Fixed	Gray
GQ2416-07839-A44	4° Fixed	4° Fixed	Gray
GQ2416-07839-A46	4° Fixed	6° Fixed	Gray
GQ2416-07839-A62	6° Fixed	2° Fixed	Gray
GQ2416-07839-A64	6° Fixed	4° Fixed	Gray
GQ2416-07839-A66	6° Fixed	6° Fixed	Gray
GQ2416-07839-B00	0° Fixed	0° Fixed	Brown
GQ2416-07839-B22	2° Fixed	2° Fixed	Brown
GQ2416-07839-B24	2° Fixed	4° Fixed	Brown
GQ2416-07839-B26	2° Fixed	6° Fixed	Brown
GQ2416-07839-B42	4° Fixed	2° Fixed	Brown
GQ2416-07839-B44	4° Fixed	4° Fixed	Brown
GQ2416-07839-B46	4° Fixed	6° Fixed	Brown
GQ2416-07839-B62	6° Fixed	2° Fixed	Brown
GQ2416-07839-B64	6° Fixed	4° Fixed	Brown
GQ2416-07839-B66	6° Fixed	6° Fixed	Brown
GQ2416-07839-C00	0° Fixed	0° Fixed	Black
GQ2416-07839-C22	2° Fixed	2° Fixed	Black
GQ2416-07839-C24	2° Fixed	4° Fixed	Black
GQ2416-07839-C26	2° Fixed	6° Fixed	Black
GQ2416-07839-C42	4° Fixed	2° Fixed	Black
GQ2416-07839-C44	4° Fixed	4° Fixed	Black
GQ2416-07839-C46	4° Fixed	6° Fixed	Black
GQ2416-07839-C62	6° Fixed	2° Fixed	Black
GQ2416-07839-C64	6° Fixed	4° Fixed	Black
GQ2416-07839-C66	6° Fixed	6° Fixed	Black

Note:
The FCC now calls 1695-2690 MHz Lower Mid-Band
The FCC now calls 3300-4200 MHz Upper Mid-Band

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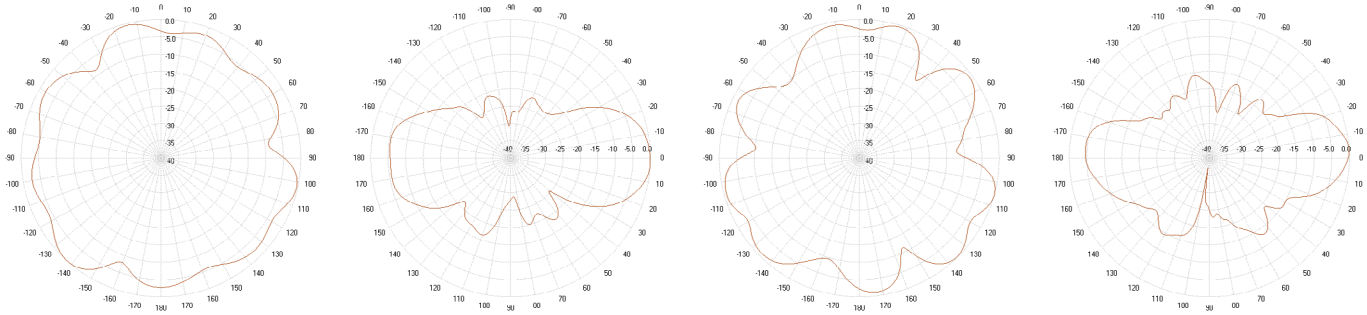
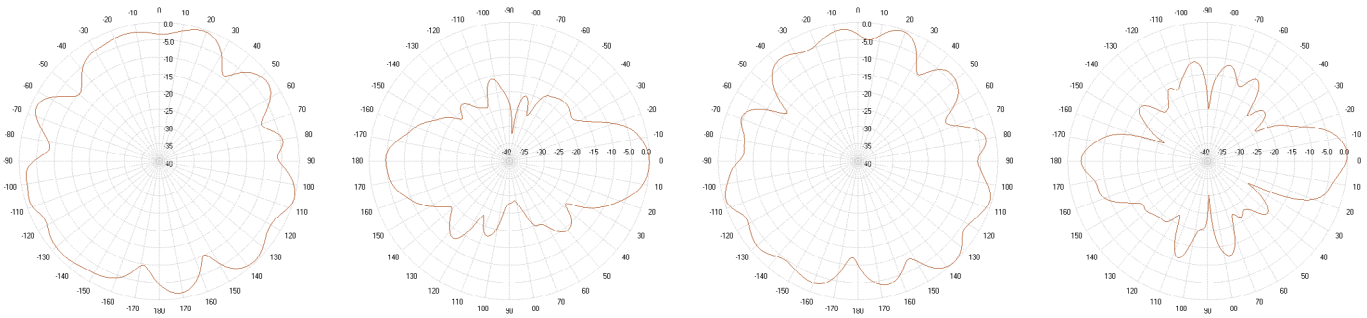
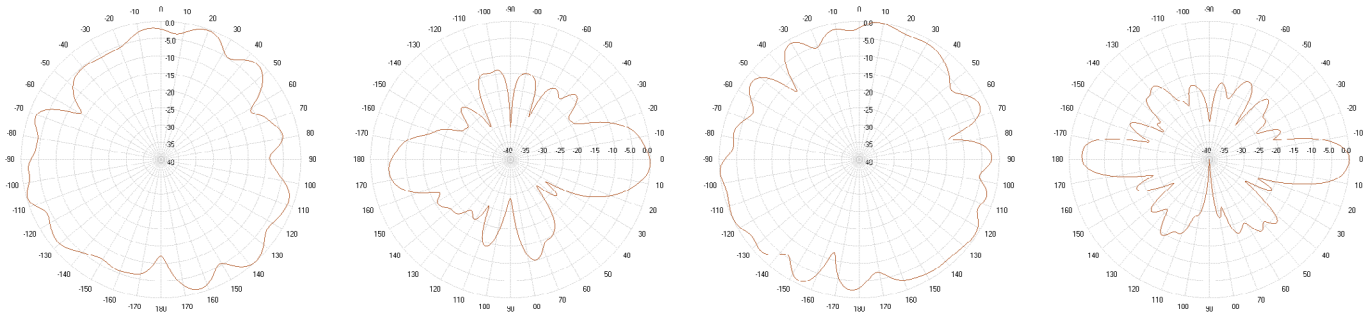
2D Antenna Patterns : LMB EDT0° and UMB EDT0°



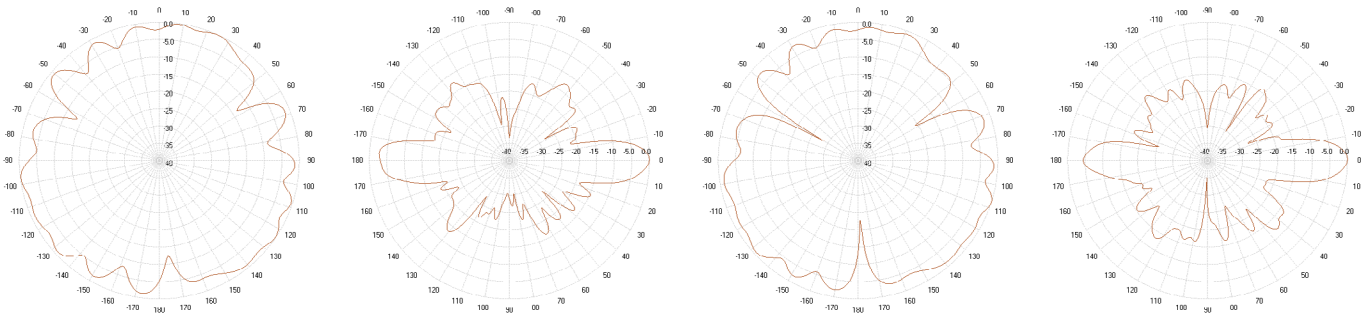
1710 MHz **1950 MHz**



2100 MHz **2360 MHz**



2510 MHz **3350 MHz**



3650 MHz **3800 MHz**

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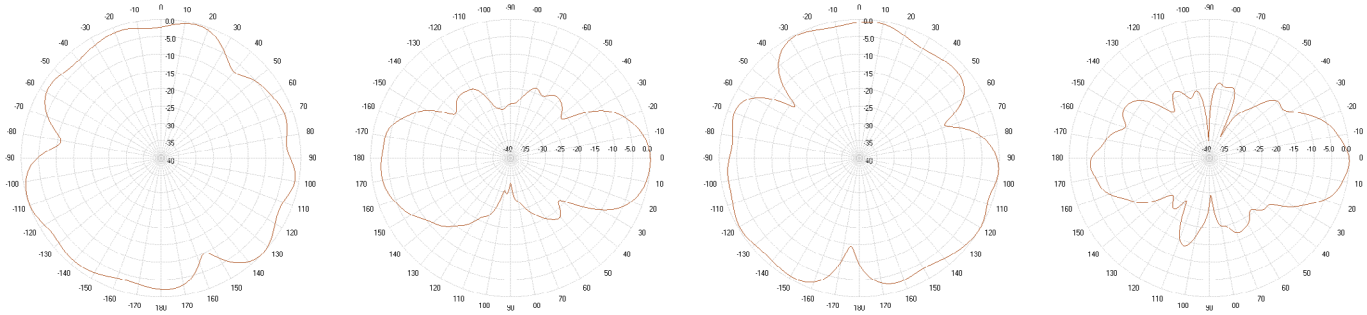
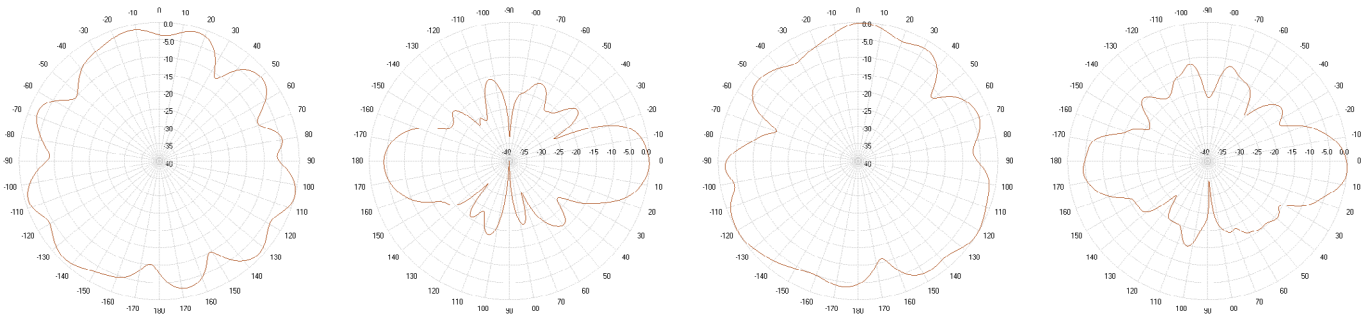
2D Antenna Patterns : LMB EDT2° and UMB EDT2°



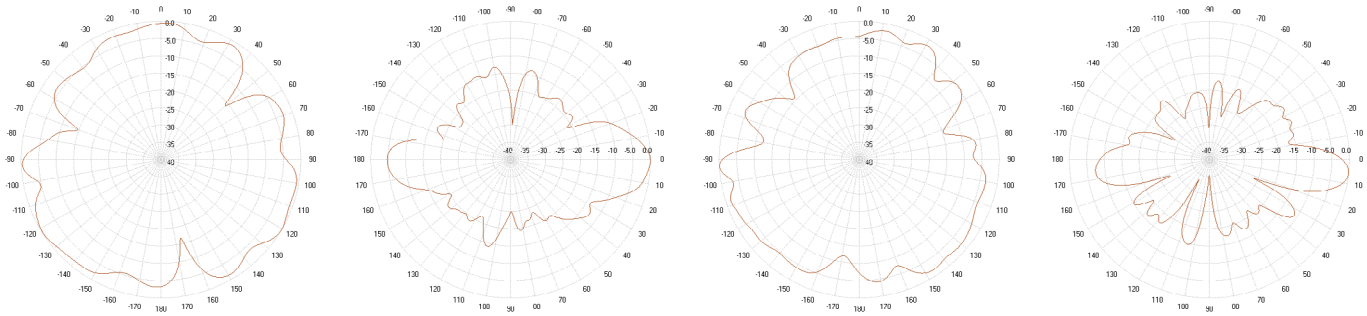
1710 MHz

1950 MHz



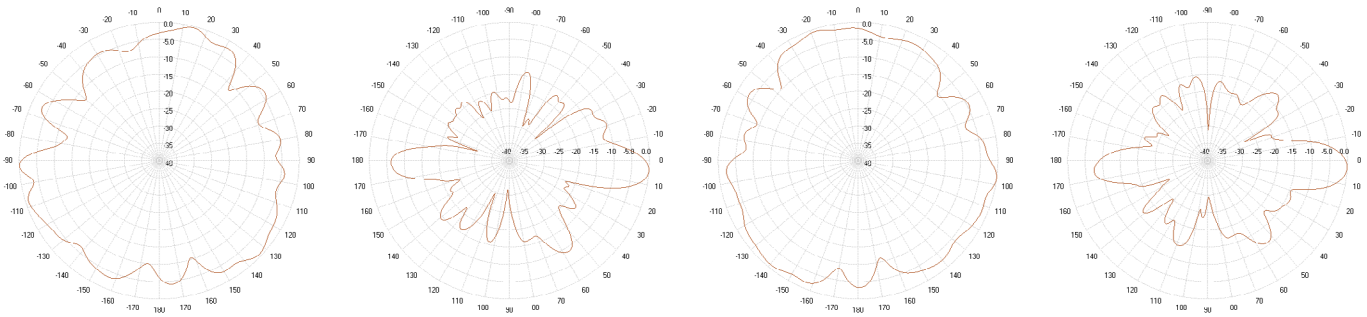
2100 MHz

2360 MHz



2510 MHz

3350 MHz



3650 MHz

3800 MHz

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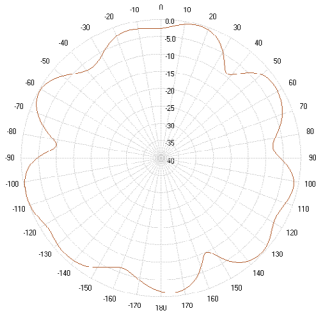
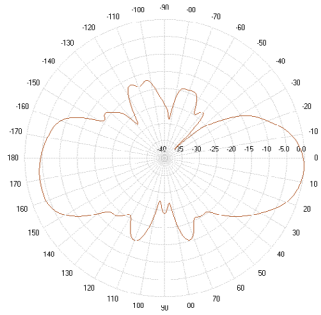
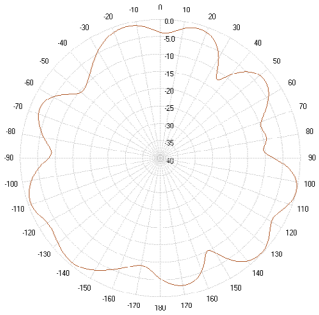
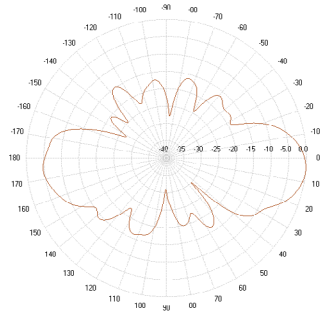
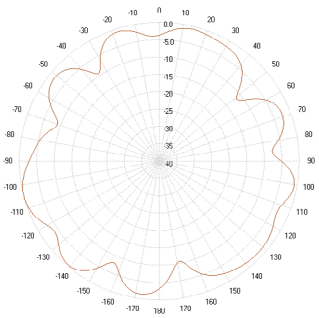
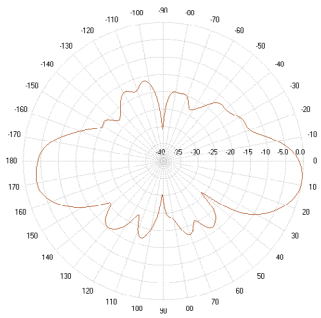
2D Antenna Patterns : LMB EDT4° and UMB EDT4°

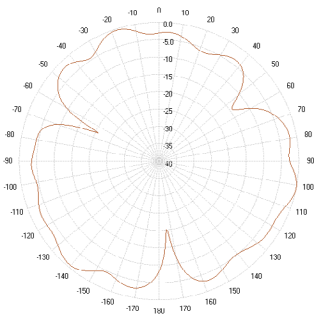
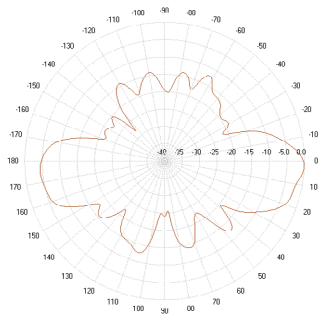
1710 MHz

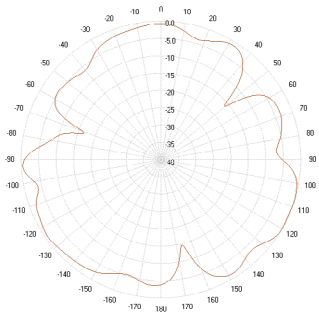
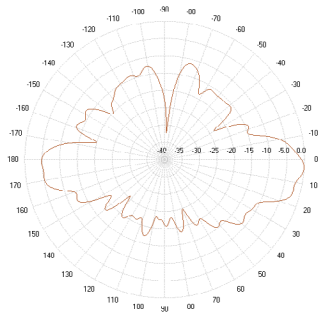
1950 MHz

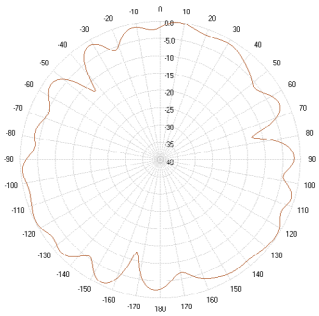
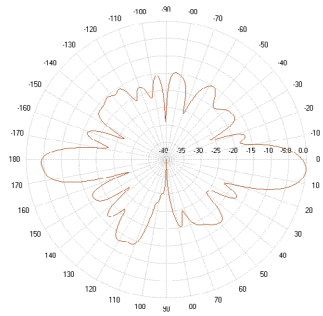
2100 MHz

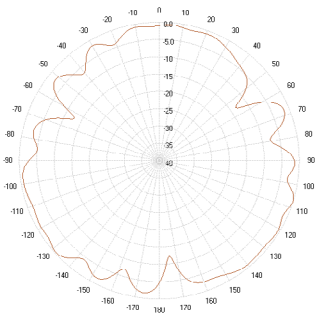
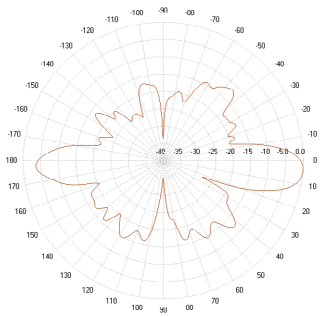
2360 MHz

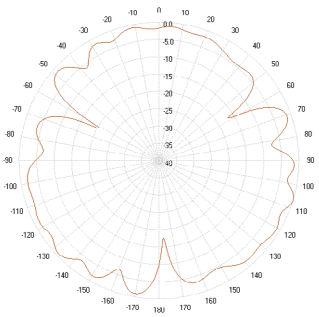
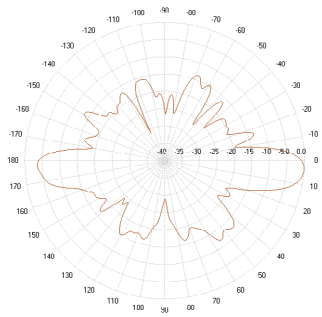
2510 MHz

3350 MHz

3650 MHz

3800 MHz

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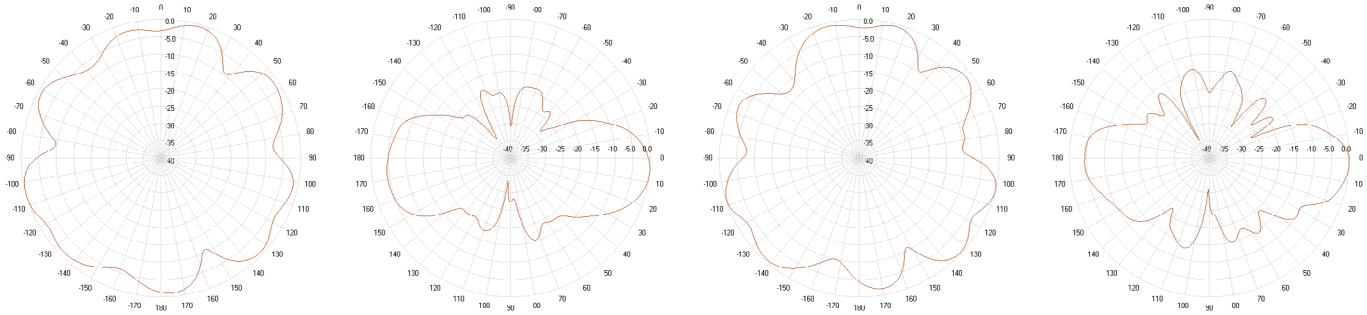
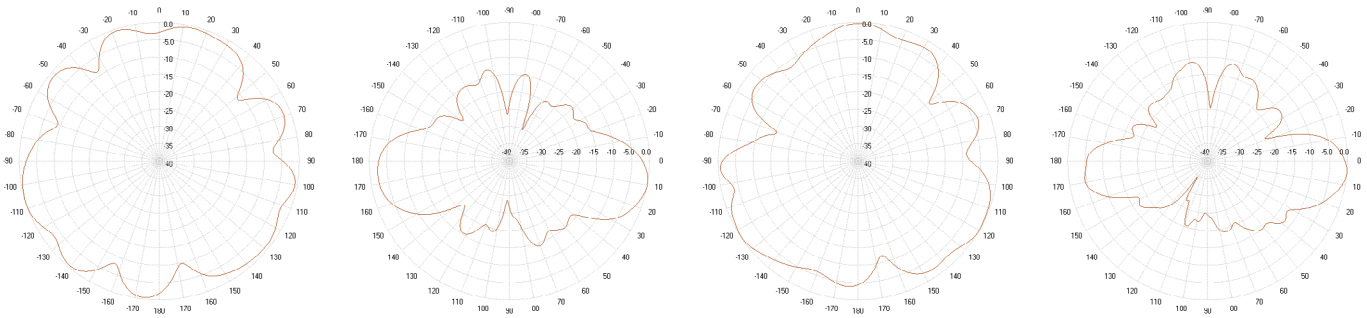
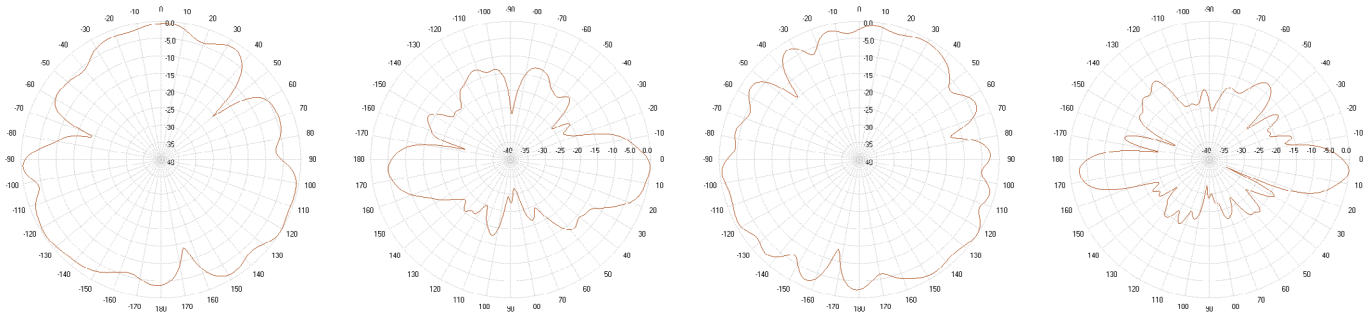
2D Antenna Patterns : LMB EDT6° and UMB EDT6°



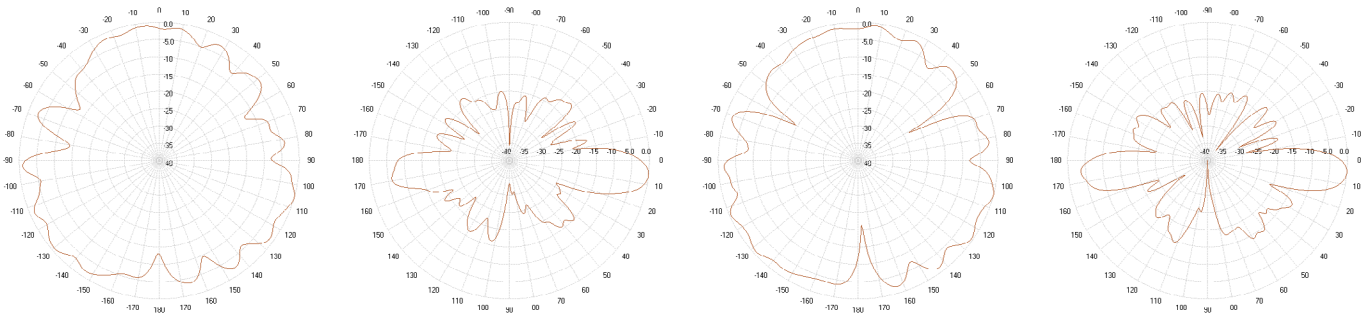
1710 MHz **1950 MHz**



2100 MHz **2360 MHz**



2510 MHz **3350 MHz**



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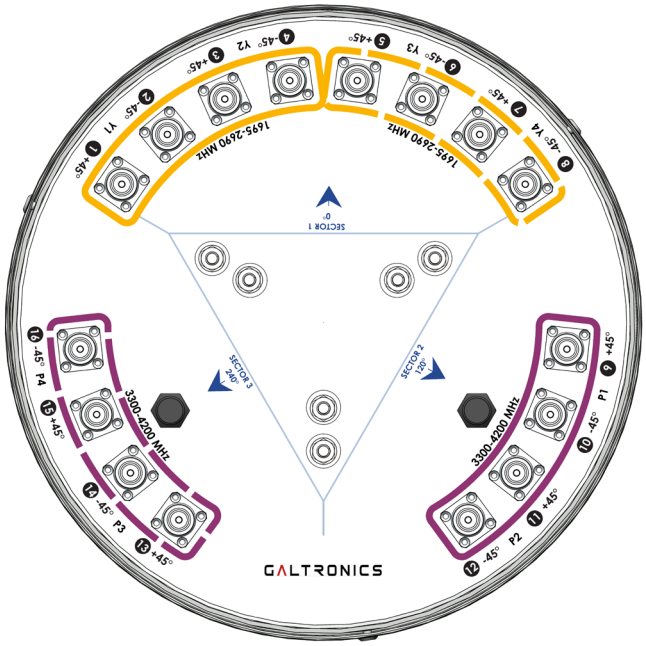
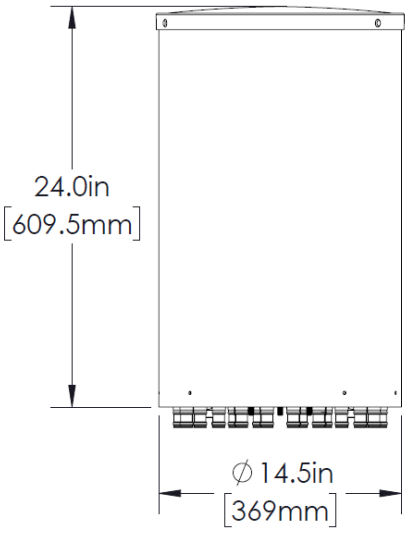
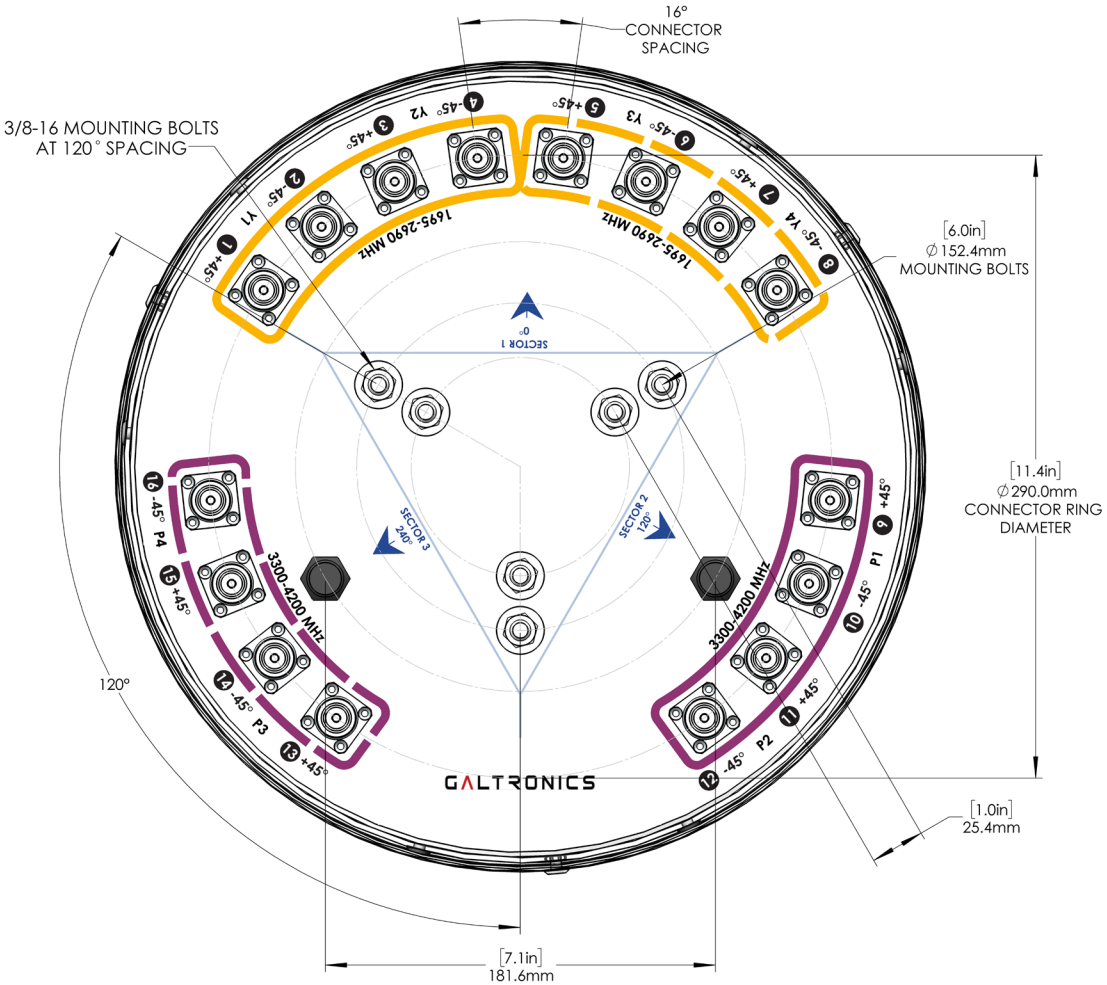
Mechanical Outline & Port Designation Details





Mating Connector Torque:
4.3-10: 3.7 ft-lb (5 Nm)



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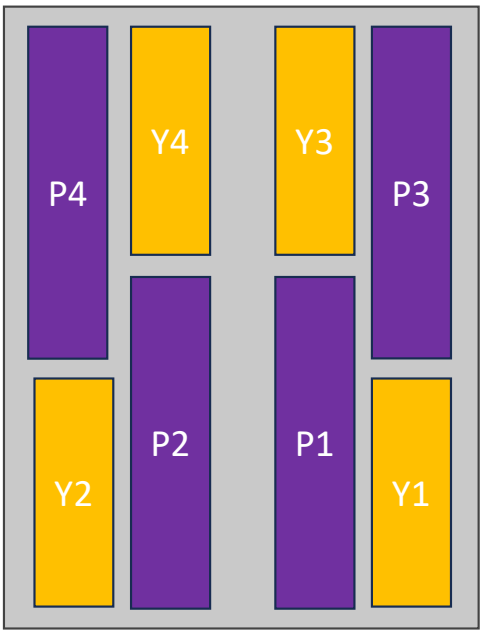
ARRAY LAYOUT TOPOLOGY

FREQUENCY	ARRAY	CONNECTOR	CONNECTOR TYPE
1695-2690 MHz	Y1	1-2	(2x) 4.3-10 Female
1695-2690 MHz	Y2	3-4	(2x) 4.3-10 Female
1695-2690 MHz	Y3	5-6	(2x) 4.3-10 Female
1695-2690 MHz	Y4	7-8	(2x) 4.3-10 Female
3300-4200 MHz	P1	9-10	(2x) 4.3-10 Female
3300-4200 MHz	P2	11-12	(2x) 4.3-10 Female
3300-4200 MHz	P3	13-14	(2x) 4.3-10 Female
3300-4200 MHz	P4	15-16	(2x) 4.3-10 Female

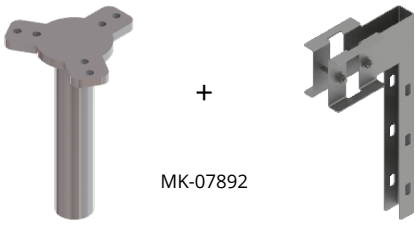


Part Numbers & Ordering Options

Description	Color	Mounting Kit	Part Number
Quasi-Omni Canister Antenna with 16x 4.3-10 (F) Connectors	Gray/Brown/Black	Includes MK-07892 mounting kit assemblies	GQ2416-07839-ABC*

***** Refer to the product family table for ordering options

Mounting Brackets & Optional Accessories

Description:	Part Number:
Mounting Kit Assembly, Canister, Pole Top (wind speed of 150 mph) The assembly kit includes an Adapter interface (MK-07893) for pole top installation and a Pole Top Mounting Bracket (MK-06679): a bracket base attached directly to wood, metal and cement poles). Note: Adapter (MK-07893) and Pole Top Mounting Bracket (MK-06679) may be ordered separately.	 + MK-07892

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