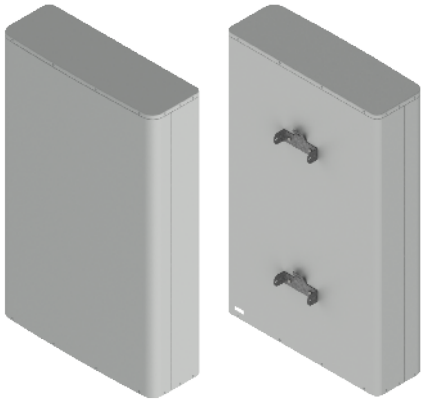
GALTRONICS

C-Band 4-Beam 120° Sector 4x4 Antenna with RET [3300-4000 MHz]

GP3816-08367



Description:

- 4x4 MIMO 4-beam Antenna for high-capacity and dense macro applications
- 4-beam (16-port) covering 3300-4000 MHz
- Remote Electrical Tilt (RET) with independent control for each beam
- Patented technology allows for stable azimuth beam directions over the entire operating frequency band

Electrical Specifications

Frequency Band [MHz]	3300-3550	3550-3700	3700-4000
Input Connector Type	16x 4.3-10(F)		
Gain, Max. (dBi)	19.4	19.6	19.9
Gain, Avg. (dBi)	18.4	18.6	18.5
Azimuth Beamwidth (°)	18	17	16
Azimuth Beam Spacing (°)	26		
Azimuth Beam Crossover (dB)	8	9	9
Elevation Beamwidth (°)	14	13	12
Electrical Downtilt Range (°)	0 - 10		
Front-to-Back Ratio, 180° (dB)	38		
Cross-Pol Discrimination@Boresight (dB)	25		
VSWR /RL (dB)	1.5:1 / 14.0		
Port-to-Port Isolation, Intrabeam (dB)*	25		
Port-to-Port Isolation, Interbeam (dB)**	14		
PIM @ 2x43 dBm (dBc)	-145		
Max Power Per Port (Watt)	100		
Polarization (°)	Dual slant 45 (±45)		
Impedance (Ω)	50		

* Port-port isolation between each cluster of four ports in the same 4x4 MIMO beam

** Port-port isolation between any combination of ports between different beams

Port/Beam Designator Table

Frequency Range	Ports	Beam ID	AZ Beam Direction	Downtilt
3300-4000 MHz	1 - 4	CB1	-39° L	0° - 10°
3300-4000 MHz	5 - 8	CB2	-13° L	0° - 10°
3300-4000 MHz	9 - 12	CB3	+13° R	0° - 10°
3300-4000 MHz	13 - 16	CB4	+39° R	0° - 10°

RFD#: 8367; Revision: R1; Release Date: July 15, 2026;

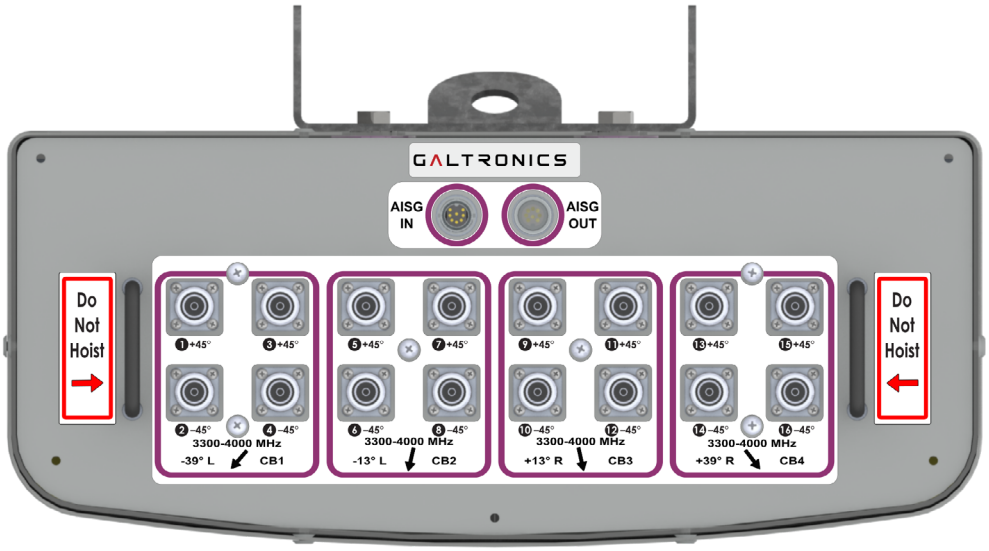
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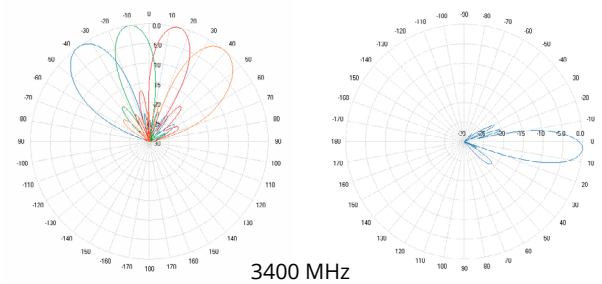
Electrical Specifications - BASTA

Frequency Band [MHz]	3300-3550	3550-3700	3700-4000
Gain Over All Tilts, avg. (dBi)	18.5	18.7	18.6
Gain Over All Tilts Tolerance (dB)	0.8	0.8	1.0
AZ Beamwidth Tolerance (°)	4.1	3.7	3.2
EL Beamwidth Tolerance (°)	0.8	0.7	1.0
Upper Sidelobe Suppression, Peak to +20° (dB)	18.2	19.5	18.0
Front-to-Back Ratio, Total Power, +/-30° (dB)	27.7	27.4	26.2
Cross-Polar Discrimination at Boresight (dB)	17.7	22.4	21.0
Azimuth Beam Peak Tolerance (°)	0.7	0.6	0.7
Azimuth Beam Crossover Tolerance (dB)	0.9	0.9	1.0

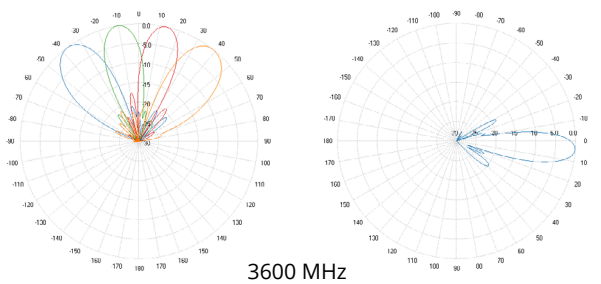
Bottom Plate & Port Designation Details



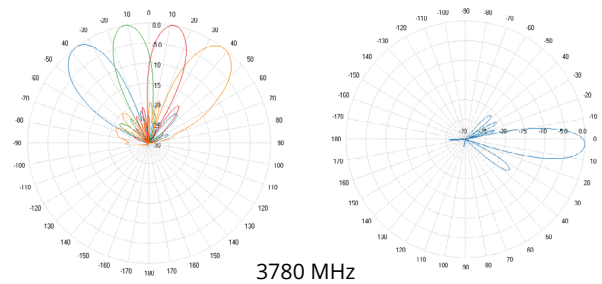
2D Antenna Patterns



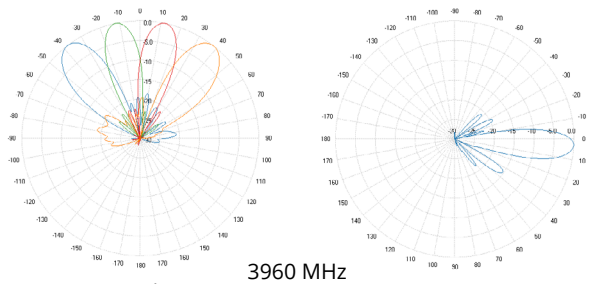
3400 MHz



3600 MHz



3780 MHz



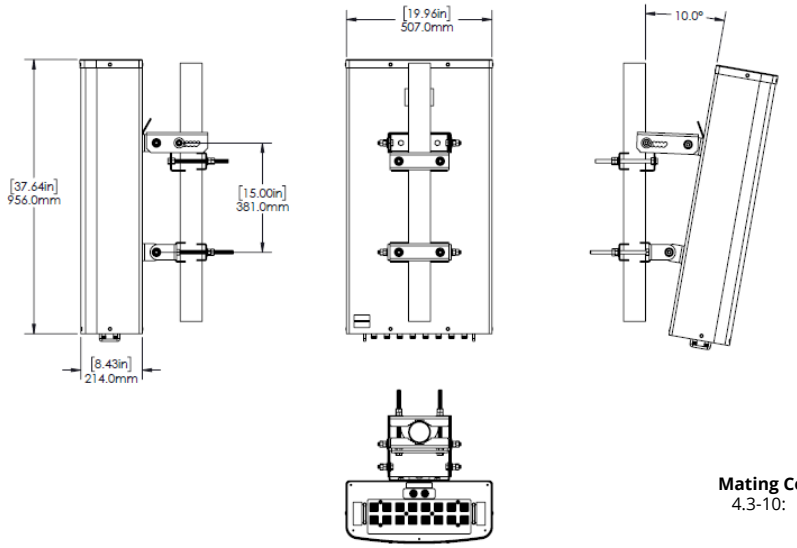
3960 MHz

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Antenna Outline



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

Mechanical Specifications

Operating Temperature	-40° to 158°F (-40° to +70°C)
Antenna Weight	55.0 lbs (24.9 kg)
Antenna Bracket Weight (MK-07915)	15.3 lbs (6.9 kg)
Antenna Dimension (Height x Width x Depth)	37.64” (956.0mm) x 19.96” (507.0mm) x 8.43” (214.0mm)
Input Connector Type	16x 4.3/10(F)
RET Specification	Internal, AISG 2.0
Radome Material	ASA
Radome Color	Gray
Environmental Rating	Outdoor
Wind Survival Rating	150mph (241km/h)

Part Numbers & Ordering Options

Description	Color	Mounting Kit	Part Number
C-Band 4-beam 120° Sector 4x4 Antenna with RET and 16x 4.3-10(F) Connectors	Gray	Includes MK-07915 Mounting Bracket Assemblies	GP3816-08367-112

Mounting Brackets & Optional Accessories

Description	Part Number
Heavy Duty Mounting Bracket (wind speed of 150 mph) [Included] The MK-07915 standard mounting bracket is suitable for all Galtronics outdoor panel antennas with height between 1.5’ and 3’, and can be assembled onto poles ranging from 2.0” to 4.5”. It provides additional downtile range 0° to 10°. **Note**: The MK-07915 mounting bracket can also be ordered separately.	 MK-07915

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