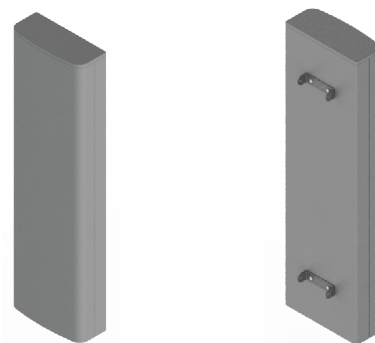


6' 4-Port 65° Base Station Antenna [617-896 MHz]

GP7204-06852

Description:

- Single-sector 4x4 MIMO antenna for high capacity areas
- 65° beam width dual-polarized covering 600 MHz, 700 MHz and 850 MHz Bands
- 4 x ports for 617-896 MHz
- Industry-leading width for a 4x4 MIMO, 600 MHz capable antenna
- Internal RET with tilt control for all ports



617-896 MHz Low Band Base Station Antenna
2x2 or 4x4 MIMO Capable

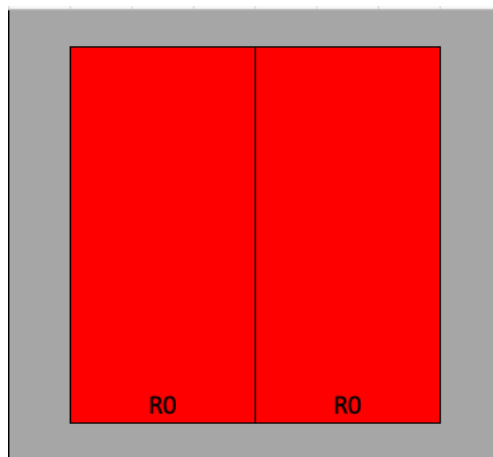
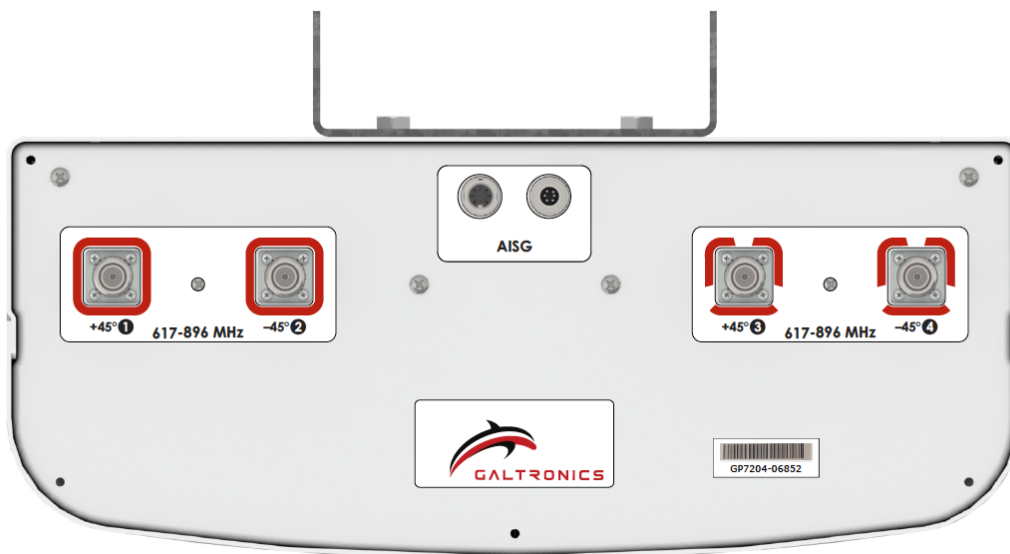
Electrical Specifications

Frequency Range (MHz)	617-698	698-806	806-896
Gain, max. (dBi)	14.9	15.3	15.3
Azimuth Beamwidth (°)	68	68	67
Elevation Beamwidth (°)	13.6	12.5	11.2
Electrical Downtilt Range (°)	0-12		
First Upper Sidelobe Suppression (dB)	18	18	15
Front-to-Back Ratio, 180° (dB)	30	29	31
Front-to-Back Ratio, 180° (dB), min.	19		
Cross-Polar Discr. at Mech. Boresight (dB)	16	24	28
VSWR (max.) / RL (min.) (dB)	1.5:1 / 14.0		
Port-to-Port Isolation (dB)	20	25	
PIM @ 2x43 dBm (dBc)	N/A	-153	
Max Power per Port (W)	500		
Polarization (°)	±45		
Impedance (Ω)	50		

Electrical Specifications, BASTA

Frequency Band (MHz)	617-698	698-806	806-896
Gain Over All Tilts, Average (dBi)	14.2	14.7	14.9
Gain Over All Tilts Tolerance (dB)	0.4	0.4	0.4
Azimuth Beamwidth Tolerance (°)	8.0	4.4	4.3
Elevation Beamwidth Tolerance (°)	0.6	0.7	0.9
Upper Sidelobe Suppression, Peak to +20°	17	18	16
Front-to-Back Ratio, Co-Polar, ±30° (dB)	23	24	23
Cross-Polar Discrimination Over Sector (dB)	9	9	8

Bottom Plate & RET Designation Details

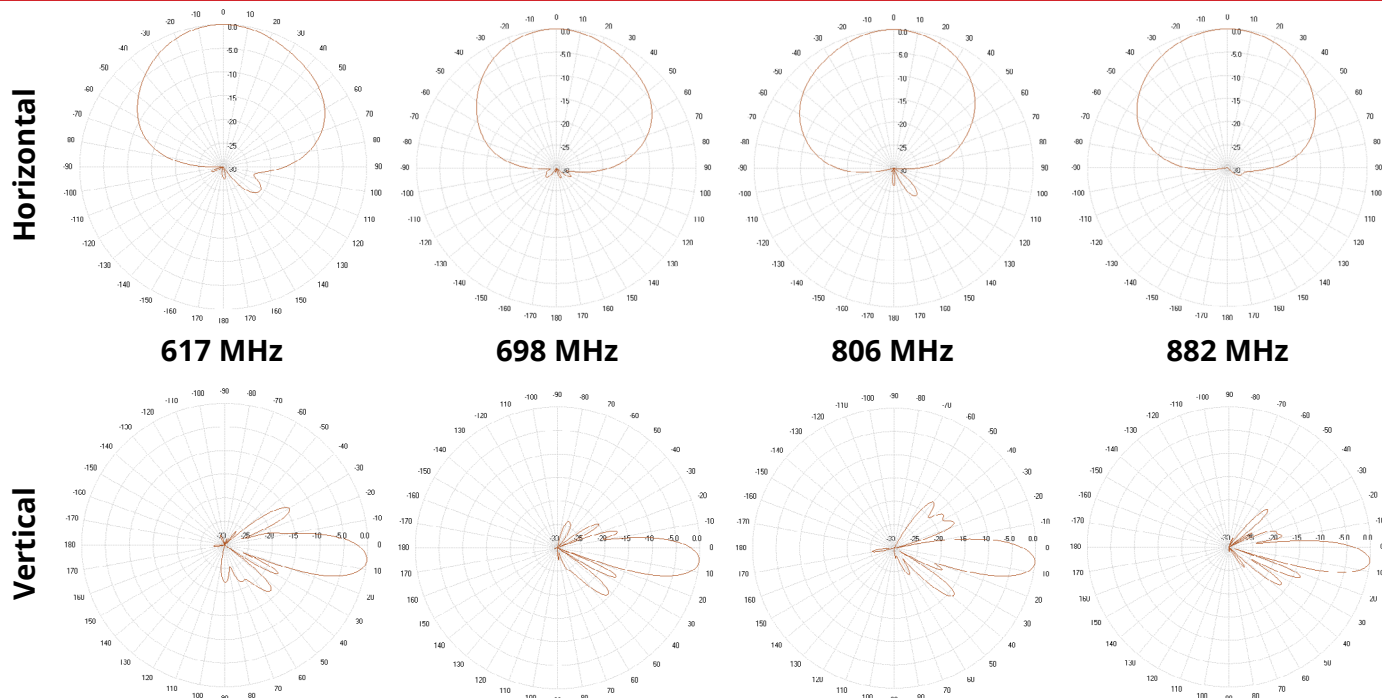


View from behind the antenna

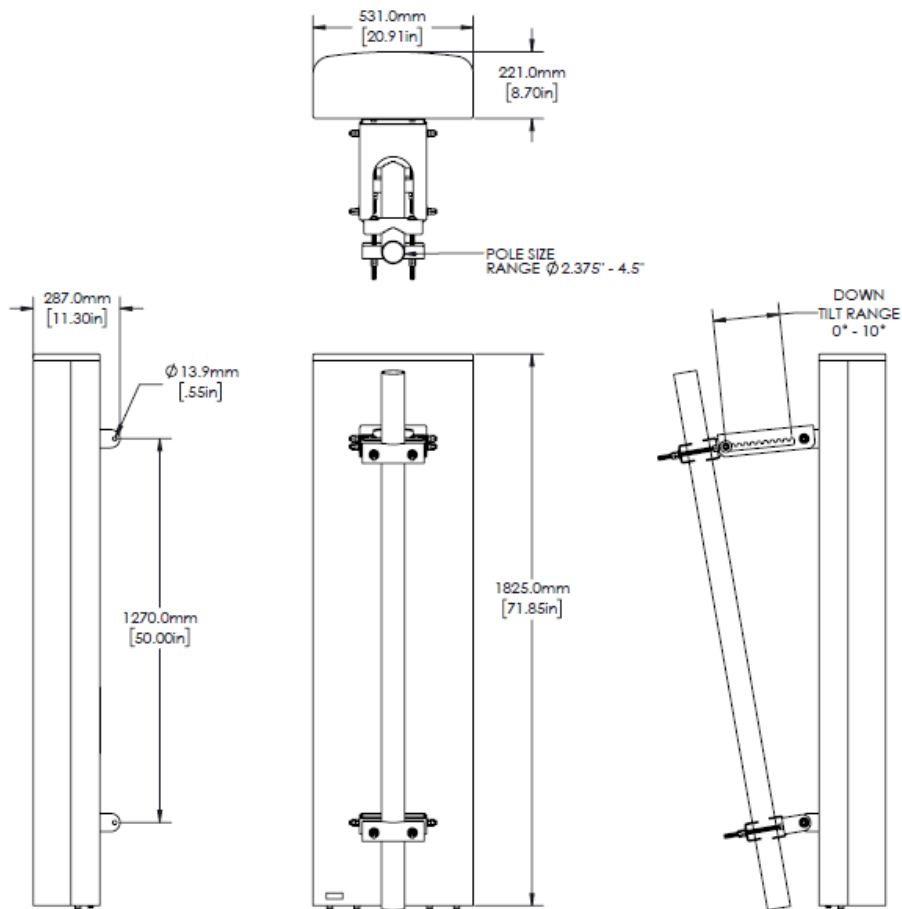
RET Designator

Frequency Range	RET Designator	Ports	Electrical Tilt
617-896 MHz	R0	1-4	0° - 12°

Antenna Patterns



Antenna Outline



Mechanical Specifications

Operating Temperature	-40° to 158°F (-40° to +70°C)
Antenna Weight	50.4 lbs (23 kg)
Mounting Bracket Weight	14 lbs (6.36 kg)
Antenna Dimension (Height x Width x Depth)	71.9" (1825 mm) x 20.9" (531 mm) x 8.7" (221 mm)
Input Connector Type	4x 4.3-10(F)
Radome Material	ASA
RET Specification	Internal, AISG 2.0
Radome Color	Gray
Wind Load, Front (@ 150 km/h)	1259 N / 283 lbf
Wind Load, Side (@ 150 km/h)	608 N / 137 lbf
Wind Load, Maximum (@ 150 km/h)	1351 N / 304 lbf
Wind Survival Rating	150 mph (241 km/h)

Part Numbers, Ordering Options and Accessories

Description	Part Number:
Antenna with 4 x 4.3-10(F) Connectors, Gray (Including MK-07286 Wall/Pole Mounting Bracket)	GP7204-06852-112
Mounting Brackets:	Part Number:
Heavy Duty Mounting Bracket (wind speed of 150 mph) [Included] The MK-07286 standard mounting bracket allows for easy installation of any Galtronics 6' or 8' Base Station Antenna to a macro tower structure. It provides 0°-10° of mechanical downtilt adjustability, and fits pole diameters ranging from 2.375" to 4.5". Note: The MK-07286 mounting bracket can also be ordered separately.	 MK-07286
Heavy Duty Mounting Bracket (wind speed of 150 mph) [Optional] The MK-6807 optional mounting bracket allows for easy installation of any Galtronics 6' or 8' Base Station Antenna to a macro tower structure. It provides 0°-10° of mechanical downtilt adjustability, and fits pole diameters ranging from 3" to 5".	 MK-06807

Matting Connector Torque:

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