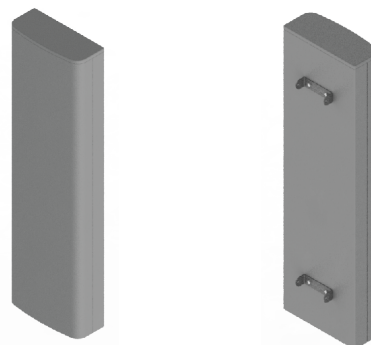


6' 12-Port Dual-Band 65° Base Station Antenna [617-896 and 1695-2690 MHz]

GP7112-07041

Description:

- Single-sector 12-Port antenna for high capacity areas
- 4x4 MIMO on Low Band and 8x8 MIMO on Mid Band
- 65° beam width dual-polarized covering 600 MHz, 700 MHz, 850 MHz and AWS/PCS/WCS/BRS Bands
- 4 x ports for 617-896 MHz
- 8 x ports for 1695-2690 MHz



617-896 and 1695-2690 MHz
Dual Band Base Station Antenna
2x2, 4x4 or 8x8 MIMO Capable

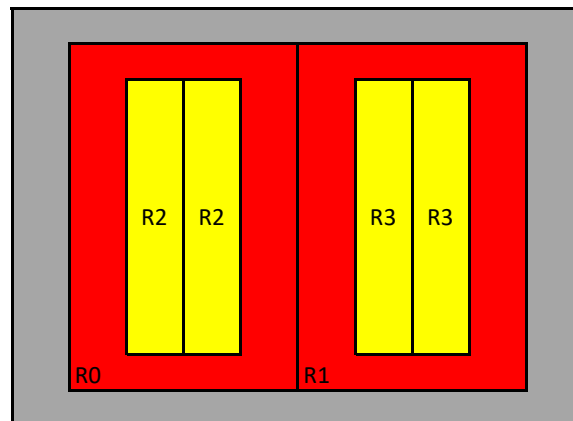
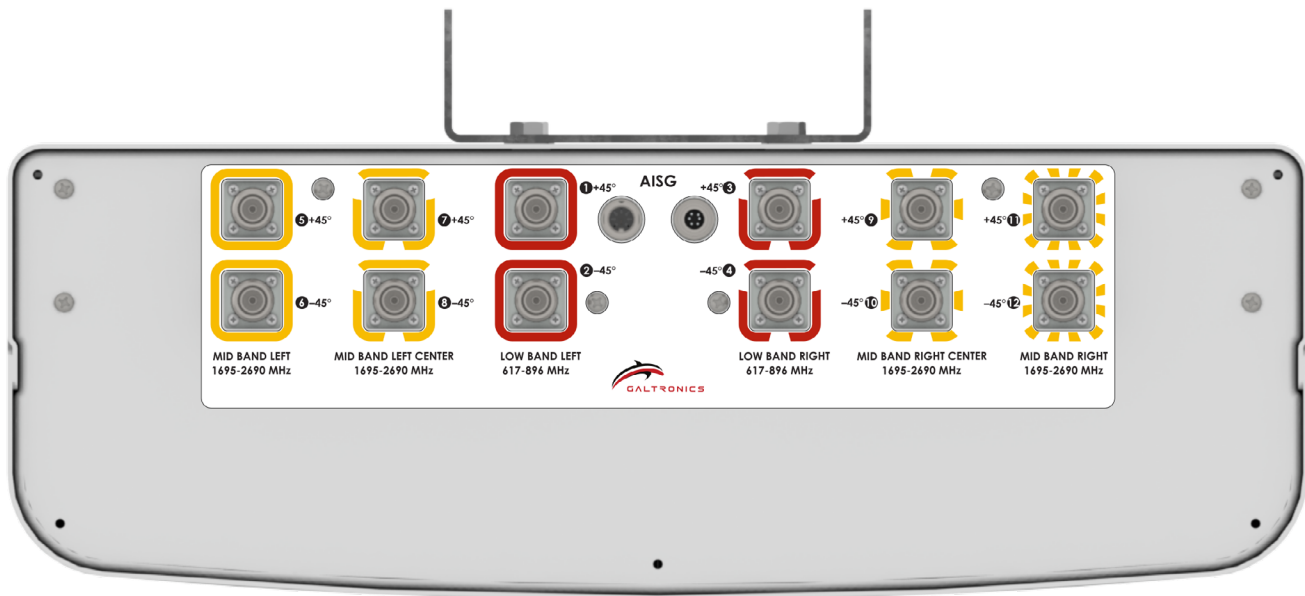
Electrical Specifications

Frequency Range (MHz)	617-698	698-806	806-896	1695-2180	2300-2400	2496-2690
Gain, max. (dBi)	14.7	14.5	15.0	18.4	18.3	18.0
Azimuth Beamwidth (°)	58	58	54	66	59	59
Elevation Beamwidth (°)	13.6	11.8	10.7	5.9	5.1	5.0
Electrical Downtilt Range (°)	2-14			0-10		
First Upper Sidelobe Suppression (dB)	21	18	16	18	18	15
Front-to-Back Ratio, 180° (dB)	28	26	30	35	37	33
Front-to-Back Ratio, 180° (dB), min.	19			23		
Cross-Polar Discr. at Mech. Boresight (dB)	22	20	27	24	26	26
VSWR (max.) / RL (min.) (dB)	1.5:1 / 14.0					
Port-to-Port Isolation (dB)	21		25			
PIM @ 2x43 dBm (dBc)	-150	-153				
Max Power per Port (W)	500			300		
Polarization (°)	±45					
Impedance (Ω)	50					

Electrical Specifications, BASTA

Frequency Band (MHz)	617-698	698-806	806-896	1695-2180	2300-2400	2496-2690
Gain Over All Tilts, Average (dBi)	14.0	13.8	14.3	17.3	17.5	17.1
Gain Over All Tilts Tolerance (dB)	0.4	0.5	0.5	0.6	0.6	0.6
Azimuth Beamwidth Tolerance (°)	5.5	8.4	7.7	7.1	5.4	6.6
Elevation Beamwidth Tolerance (°)	1.0	1.1	0.6	0.6	0.2	0.2
Upper Sidelobe Suppression, Peak to +20°	21	19	18	16	18	15
Front-to-Back Ratio, Co-Polar, ±30° (dB)	23	22	23	26	28	26
Cross-Polar Discrimination Over Sector (dB)	11	10	8	10	8	6

Bottom Plate & RET Designation Details

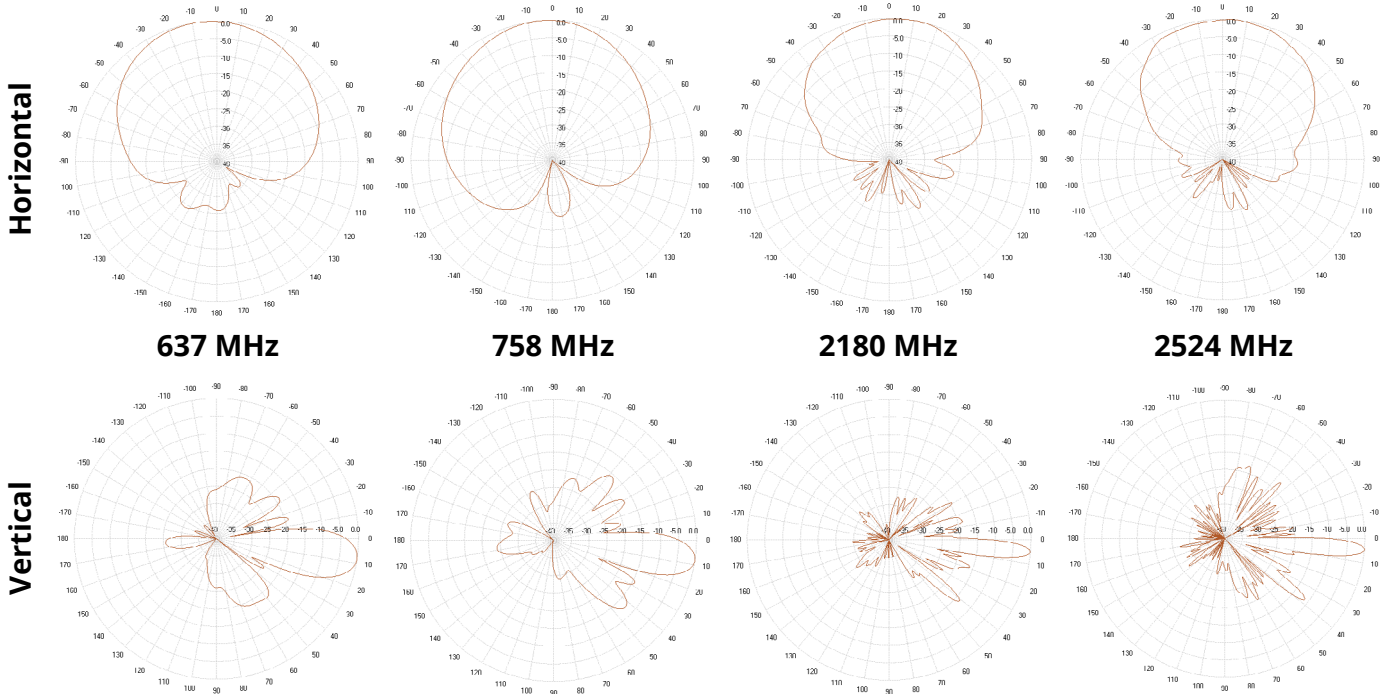


View from behind the antenna

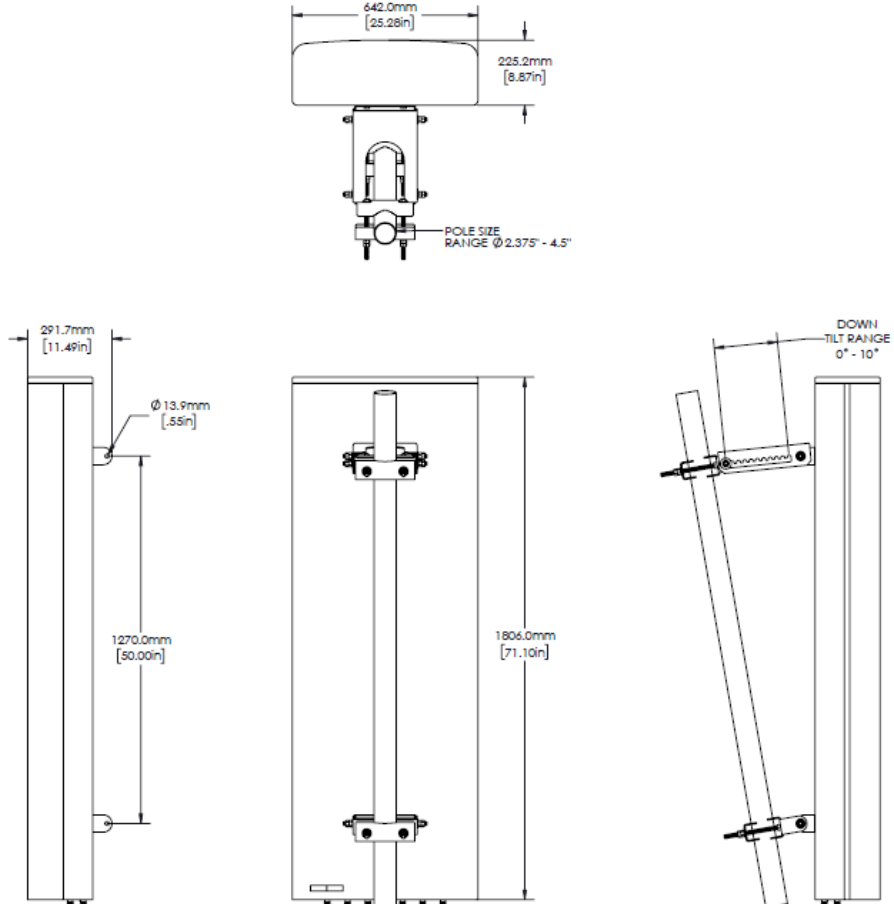
RET Designator

Frequency Range	RET Designator	Ports	Electrical Tilt
617-896 MHz	R0	1-2	2° - 14°
617-896 MHz	R1	3-4	2° - 14°
1695-2690 MHz	R2	5-8	0° - 10°
1695-2690 MHz	R3	9-12	0° - 10°

Antenna Patterns



Antenna Outline



Mechanical Specifications

Operating Temperature	-40° to 158°F (-40° to +70°C)
Antenna Weight	75.7 lbs (34.4 kg)
Mounting Bracket Weight	14.0 lbs (6.3 kg)
Antenna Dimension (Height x Width x Depth)	71" (1806 mm) x 25.3" (642 mm) x 8.9" (225.2 mm)
Input Connector Type	12x 4.3-10(F)
Radome Material	ASA
RET Specification	Internal, AISG 2.0
Radome Color	Gray
Wind Load, Front (@ 150 km/h)	1470 N / 330 lbf
Wind Load, Side (@ 150 km/h)	609 N / 137 lbf
Wind Load, Maximum (@ 150 km/h)	1548 N / 348 lbf
Wind Survival Rating	150 mph (241 km/h)

Part Numbers, Ordering Options and Accessories

Description	Part Number:
Antenna with 12 x 4.3-10(F) Connectors, Gray (Including MK-07286 Wall/Pole Mounting Bracket)	GP7112-07041-112
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