

GWA-41RV1

4 Port Antenna / 1L1H / 0.5m

PROSE

- 698-960 + 1710-2690 MHz
- Fixed Electrical Tilt
- 4.3-10 Connectors

Electrical Data (BASTA)

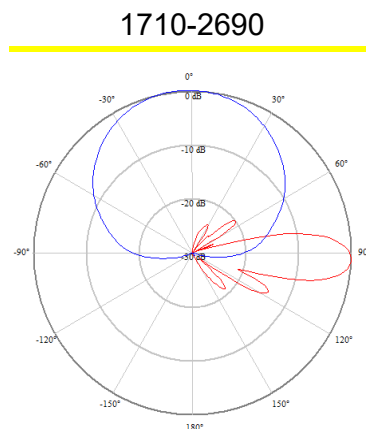
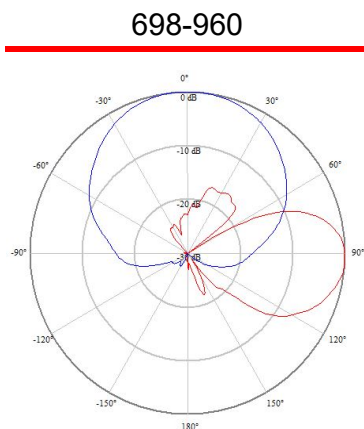
Frequency(MHz)		698-960		1710-2690			
		698-896	880-960	1695-1880	1900-2200	2300-2400	2500-2690
Gain	dBi	10.0±0.6	10.5±0.6	11.0±0.5	11.5±0.5	11.8±0.5	12.1±0.5
Polarization	°	±45°					
Horizontal Pattern							
3dB Azimuth Beamwidth	°	67±7	65±6	68±7	65±6	62±6	61±9
Front to Back Ratio, (180°±30°)	dB	> 21	> 22	> 22	> 22	> 23	> 22
Cross-Polar Discrimination							
At Mechanical Boresight 0°		> 17	> 18	> 18	> 19	> 19	> 17
Vertical Pattern							
3dB Elevation Beamwidth	°	35±4	30±4	25±4	23±3	21±3	19±3
Electrical Downtilt		3		3			
1st Upper Sidelobe Suppression	dB	> 15		> 15			
RF Parameters							
VSWR		< 1.5					
Intra - Cluster Isolation	dB	21					
Inter - Cluster Isolation		21					
3rd PIM(2 x 43 dBm)	dBc	< -150					
Impedance	Ω	50					
Maximum Effective Power	W	200		150			
Per Port							

Mechanical Data (BASTA)

Connector Type	4 x 4.3-10 Female	
Connector Position	Bottom	
Lightning Protection	DC Ground	
Radome Material	Fiberglass	
Radome Color	Light Grey	
Antenna Net Weight	4.8 kg	10.58 lb
Antenna Dimensions (H x W x D)	500 x 300 x 190 mm	19.7 x 11.8 x 7.5 in
Survival Wind Speed	241 km/h	150 mph
Wind Load @150 km/h (Frontal / Lateral / Max)	73 / 60 / 115 N	16 / 13 / 26 lbf
Mast Diameter Supported	50 - 110 mm	2.0 - 4.3 in
Relative Humidity	5% - 95%	
Operating Temperature Range	-40 ~ +70 °C	-40 ~ +158 °F



Pattern (Sample for reference)

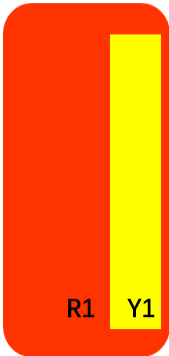


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Layout



Array	Connector	Frequency (MHz)	Sub Unit #	RET Type	RET Serial*
●R1	1 - 2	698-960	/	/	/
●Y1	3 - 4	1710-2690	/	/	/

*Remark: X – Year, YY – Week , xxxxx – Serial Number

Compliance

- Our quality assurance system and our environmental management system apply to the entire company and are certified according to EN ISO 9001, EN ISO 14001 and ISO45001
- Our products are compliant to the EU Directive RoHS as well as to other environmentally relevant regulations (e.g. REACH)



While the information has been carefully compiled to the best of our knowledge, nothing is intended as representation or warranty on our part and no statement herein shall be construed as recommendation to infringe existing patents. In the effort to improve our products, we reserve the right to make changes judged to be necessary.