

GWA-41UE

4 Port Antenna / 1L1H / 0.5m

PROSE

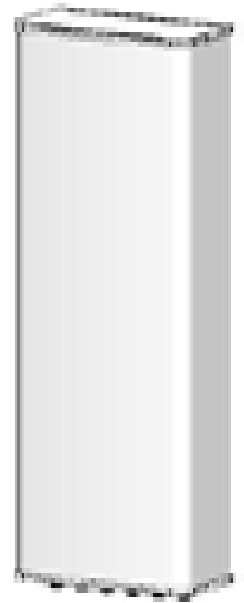
- 698-960 + 1710-2690 MHz
- Fixed Electrical Tilt
- 4.3-10 Connectors

Electrical Data (BASTA)

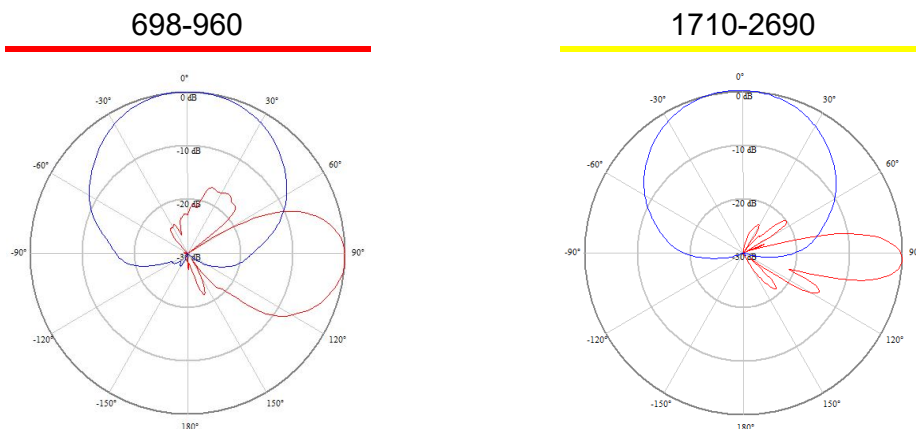
Frequency(MHz)		698-960		1710-2690			
		698-896	880-960	1695-1880	1900-2200	2300-2400	2500-2690
Gain	dBi	9.5±0.6	10.0±0.6	10.5±0.5	11.0±0.5	11.5±0.5	12.0±0.5
Polarization	°	±45°					
Horizontal Pattern							
3dB Azimuth Beamwidth	°	68±7	64±6	67±7	64±6	61±6	60±9
Front to Back Ratio, (180°±30°)	dB	> 21	> 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	31±4	25±3	23±2	21±2	19±2
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)

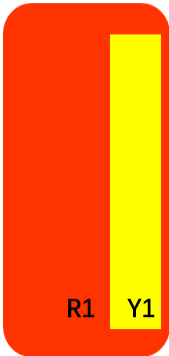
Connector Type	4 x 4.3-10 Female	
Connector Position	Bottom	
Lightning Protection	DC Ground	
Radome Material	Fiberglass	
Radome Color	Light Grey	
Antenna Net Weight	4.5 kg	9.9 lb
Antenna Dimensions (H x W x D)	500 x 300 x 190 mm	19.7 x 11.8 x 7.5 in
Survival Wind Speed	241 km/h	150 mph
Wind Load @150 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)



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)



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