2G2W2TA-41

12 Port Antenna / Small / 0.5m

- 2 x (698-960) + 2 x (1695-2690) + 2 x (3300-3800) MHz
- Fixed Electrical Tilt
- 4.3-10 Connectors

Electrical Data (BASTA 12.0)

Frequency(MHz)		698-960		1695-2690				3300-3800
		698-894	880-960	1695-1880	1920-2180	2300-2400	2500-2690	3300-3800
Gain	R1/R2/Y1/Y2/P1/P2 dBi	8.1±0.5	8.5±0.6	11.1±0.5	11.5±0.5	11.7±0.5	11.9±0.5	11.6±0.6
Polarization	°	±45°						
Horizontal Pattern								
3dB Azimuth Beamwidth	°	69±6	63±6	67±5	63±5	65±6	58±6	60±6
Front to Back Ratio, Total Power, 180°±30°	dB	> 21	> 22	> 22	> 23	> 23	> 23	> 21
Cross-Polar Discrimination								
At Mechanical Boresight 0°		> 17	> 18	> 18	> 18	> 19	> 20	> 18
Over Sector ±60°		> 8	> 8	> 8	> 8	> 6	> 6	> 6
Vertical Pattern								
3dB Elevation Beamwidth	°	70±7	65±6	38±4	35±4	33±4	30±4	36±4
Electrical Downtilt		Fixed 0		Fixed 3				Fixed 3
1st Upper Sidelobe Suppression	dB	> 15						
RF Parameters								
VSWR		< 1.5						
Intra - Cluster Isolation	dB	> 22		> 22				> 22
Inter - Cluster Isolation		> 24						
3rd PIM(2 x 43 dBm)	dBc	< -150		< -150				/
Impedance	Ω	50						
Maximum Effective Power Per Port	W	200		150				75

— Maximum Effective Power Whole Antenna: 500 W.

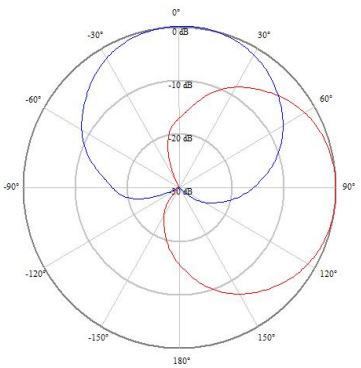
Mechanical Data (BASTA 12.0)

Connector Type&Position	12 x 4.3-10 Female, Bottom	
Lightning Protection	DC Ground	
Radome Material	Fiberglass(UV resistance)	
Reflector Material	Aluminum Alloy	
Radiator Material	Low loss circuit board	
Radome Color	Light Grey	
Antenna Net Weight	< 8 kg	17.6 lb
Antenna Dimensions (H x W x D)	500 x 379 x 190 mm	19.7 x 14.9 x 7.5 in
Survival Wind Speed	241 km/h	150 mph
Wind Load @150 km/h (Frontal / Lateral / Max)	163 / 54 / 169 N	37 / 12 / 38 lbf
Mast Diameter Supported	50 - 110 mm	2.0 - 4.3 in
Relative Humidity	5% - 95%	
Storage&Operating Temperature Range	-40 ~ +70 °C	-40 ~ +158 °F

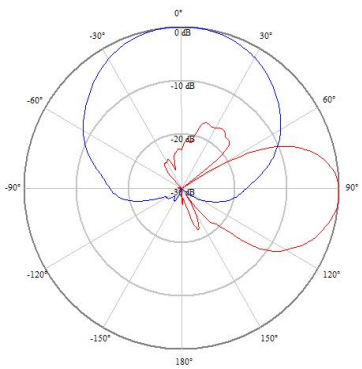


Pattern (Sample for reference)

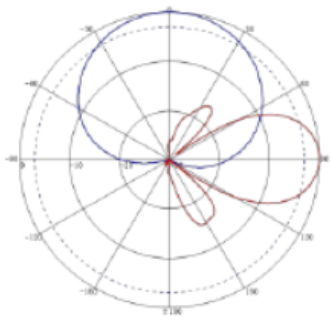
698-960



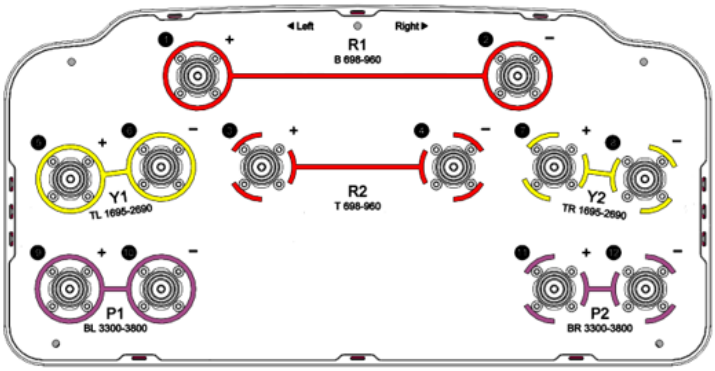
1695-2690

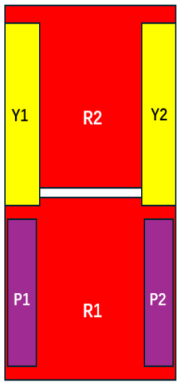


3300-3800



Layout





Array	Connector	Frequency (MHz)
●R1	1 - 2	698-960
●R2	3 - 4	698-960
●Y1	5 - 6	1695-2690
●Y2	7 - 8	1695-2690
●P1	9 - 10	3300-3800
●P2	11 - 12	3300-3800

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

Accessories

Item	Model	Weight	Mechanical Tilt Range (°)
Mounting Kit	RAPMK-85-5C-01	1.8kg / 17.6lb	-25 - +25

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 ISO 45001
— Our products are compliant to the EU Directive RoHS 2 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.