

2WMC-21

4 Port Antenna / HB Twin Beam / 1.5m

PROSE

- 2 x (1695-2690) Mhz
- Integrated RET (AISG 2.0 Compliant), Field Exchangeable
- 4.3-10 Connectors

Electrical Data (BASTA 11.1)

Frequency(MHz)		2 x (1710-2690)					
		1710-1900	1900-2180	2300-2500	2500-2690		
Gain	Y1/Y2	Mid Tilt	dBi	18.8	19.8	20.6	20.0
		Over All Tilts		18.7±0.4	19.8±0.5	20.5±0.5	20.0±0.5
Polarization			°	±45			
Horizontal Pattern							
3dB Azimuth Beamwidth			°	37±3	34±3	29±3	26±2
F/B Ratio Copolar(180°±30°)			dB	> 28	> 28	> 28	> 28
Cross-Polar Discrimination				> 18	> 18	> 18	> 16
At Mechanical Boresight 0°							
Vertical Pattern							
3dB Elevation Beamwidth			°	6.8±0.6	6.1±0.5	5.7±0.5	4.8±0.3
Electrical Downtilt				0-10			
1st Upper Sidelobe Suppression			dB	> 18	> 18	> 18	> 17
RF Parameters							
VSWR				< 1.5:1			
Intra - Cluster Isolation			dB	> 28			
Beam Isolation				> 16			
3rd PIM(2 x 43 dBm)			dBc	< -153 @ 2 x 43 dBm			
Impedance			Ω	50			
Maximum Effective Power per Port			W	250			

— Maximum Effective Power Whole Antenna: 800 W.

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Mechanical Data (BASTA 11.1)

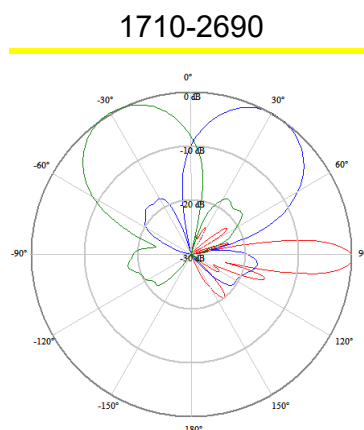
Connector Type	4 x 4.3-10 Female	
Connector Position	Bottom	
Lightning Protection	DC Ground	
Radome Material	Fiberglass	
Radome Color	Light Grey	
Antenna Net Weight	15 kg	33.1 lb
Shipping Weight	26.0 kg	57.3 lb
Antenna Dimensions (H x W x D)	1470 x 320 x 140 mm	57.9 x 12.6 x 5.5 in
Packing Size (H x W x D)	1620 x 444 x 308 mm	63.8 x 17.5 x 12.1 in
Survival Wind Speed	241 km/h	150 mph
Wind Load @150 km/h (Frontal / Lateral / Max)	382 / 126 / 449 N	86 / 28 / 101 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



RET Specification (BASTA 11.1)

Compatible Standards	AISG2.0/ 3GPP
Power Consumption	≤2(stand by); ≤13(operating)
Configuration Management	Integrated RET, pre-configured
Software Upgradability	True
Replaceability in Field	True

Pattern (Sample for reference)

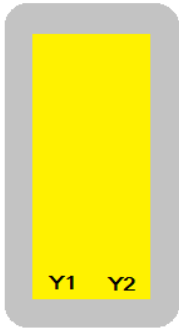
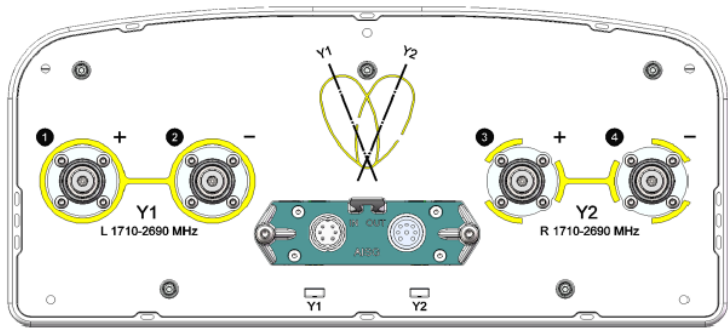


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Layout



Array	Connector	Frequency (MHz)	Sub Unit #	RET Type	RET Serial*
●Y1	1 - 2	1710-2690	1	MRET	RB.....XYYxxxxx-MM
●Y2	3 - 4	1710-2690	2	MRET	RB.....XYYxxxxx-MM

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

Accessories

Item	Model	Weight	Mechanical Tilt Range (°)
Mounting Kit	RAPMK-L1	2.4 kg / 5.3 lb	0-10

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 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.