

2WA-51RMA

4 Port Antenna / 2H / 0.4m

PROSE

- 2 x (1710-2690) MHz
- 3° FET
- 4.3-10 Connectors

Electrical Data (BASTA)

Frequency(MHz)			2 x (1710-2690)				
			1710-1880	1850-1995	1910-2200	2300-2690	
Gain	Y1/Y2	Mid Tilt	dBi	11.0	11.4	11.9	12.7
	Over All Tilts			11.0±1.0	11.4±1.0	11.9±1.0	12.6±1.0
Polarization			°	±45°			

Horizontal Pattern

3dB Azimuth Beamwidth	°	72±5	66±5	64±5	62±5
Front to Back Ratio, Total Power, 180°±30°	dB	> 23	> 23	> 23	> 23
Cross-Polar Discrimination		> 20	> 20	> 20	> 20
At Mechanical Boresight 0°		> 9	> 9	> 8	> 8

Vertical Pattern

3dB Elevation Beamwidth	°	30±3	27±3	25±3	21±2
Electrical Downtilt	3 Fixed				
1st Upper Sidelobe Suppression	dB	> 15	> 15	> 15	> 15

RF Parameters

VSWR		< 1.5
Intra - Cluster Isolation	dB	> 25
Inter - Cluster Isolation		> 25
3rd PIM(2 x 43 dBm)	dBc	< -153
Impedance	Ω	50
Maximum Effective Power	W	120
Per Port		

— Maximum Effective Power Whole Antenna: 350 W.

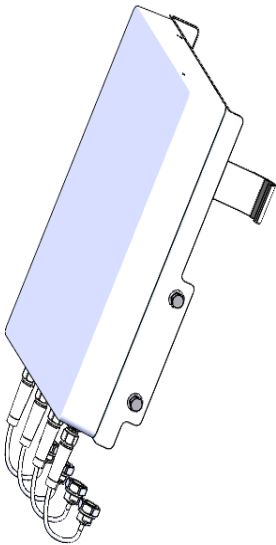
2WA-51RMA

4 Port Antenna / 2H / 0.4m

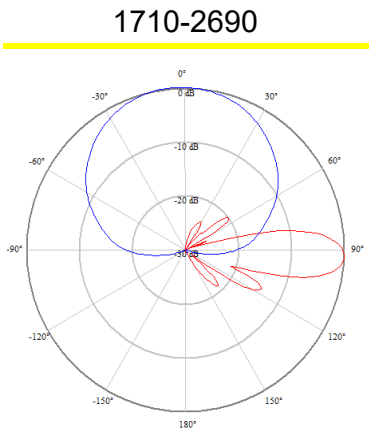
PROSE

Mechanical Data (BASTA)

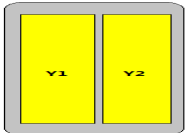
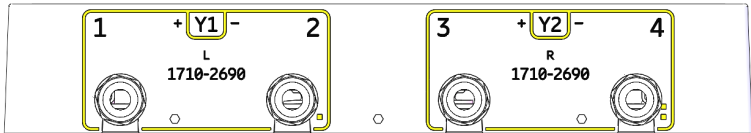
Connector Type	4 x 4.3-10 Male with Pigtail	
Connector Position	Bottom	
Lightning Protection	DC Ground	
Radome Material	PC	
Radome Color	Ericsson White	
Antenna Net Weight	1.6 kg	3.5 lb
Antenna Dimensions (H x W x D)	354 x 261 x 45 mm	13.9 x 10.3 x 1.8 in
Survival Wind Speed	241 km/h	150 mph
Wind Load @150 km/h (Frontal / Lateral / Max)	111 / 34 / 122 N	25 / 8 / 27 lbf
Relative Humidity	5% - 95%	
Operating Temperature Range	-40 ~ +70 °C	-40 ~ +158 °F



Pattern (Sample for reference)



Layout



Array	Connector	Frequency (MHz)
●Y1	1 - 2	1710-2690
●Y2	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 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.