

G2WPCP-01

1L2H Tri-Sector / 1.36 m

- 3 x (698-960) + 6 x (1710-2690) MHz
- Integrated RET (AISG 2.0 Compliant)
- 4.3-10 Connectors

Electrical Data (BASTA)

Frequency(MHz)		698-960				1710-2690			
		698-803	790-862	824-894	880-960	1710-1990	1920-2200	2200-2490	2490-2690
Gain	dBi	13.0±0.5	13.3±0.5	13.6±0.5	14.0±0.5	16.0±0.5	16.5±0.5	16.7±0.5	17.0±0.5
Polarization	°	±45							
Horizontal Pattern									
3dB Beamwidth	°	73±7	67±6	66±6	65±5	68±6	65±6	62±5	60±5
F/B Ratio	dB	23	23	24	25	25	25	25	25
Co-polar(180°±30°)									
Cross-Polar									
Boresight 0°		15	15	15	15	15	15	15	15
Sector ±60 °		10	9	9	8	8	8	7	5
Ratio									
Vertical Pattern									
3dB Beamwidth	°	19.2±1.8	17.2±1.7	16.5±1.6	15.0±1.5	8.5±0.6	7.5±0.6	7.0±0.6	6.5±0.6
Electrical Downtilt		0-10							
1 st Upper sidelobe	dB	15							
Suppression									
RF Parameters									
VSWR		1.5:1							
Port Isolation	dB	25				26			
Band Isolation	dB	28							
3 rd Order PIM	dBc	-150 @ 2 x 43 dBm							
Impedance	Ω	50							
Power Handling	W	300				250			

Mechanical Data (BASTA)

Input Connectors	18 x 4.3-10 Female	
Connector Position	Bottom	
Lightning Protection	DC Ground	
Radome Material	Fiberglass	
Antenna Weight	84 kg	185.2 lb
Antenna Dimensions	Φ450 x 1360 mm	Φ17.7 x 53.5 in
Maximum Wind Velocity	200 km/h	150 mph
Max. Wind Load @150 km/h	573 N	128.9 lbf
Relative Humidity	5% - 95%	
Operating Temperature Range	-40 ~ +70 °C	-40 ~ +158 °F

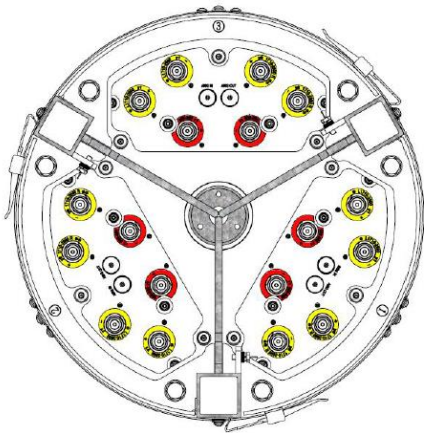


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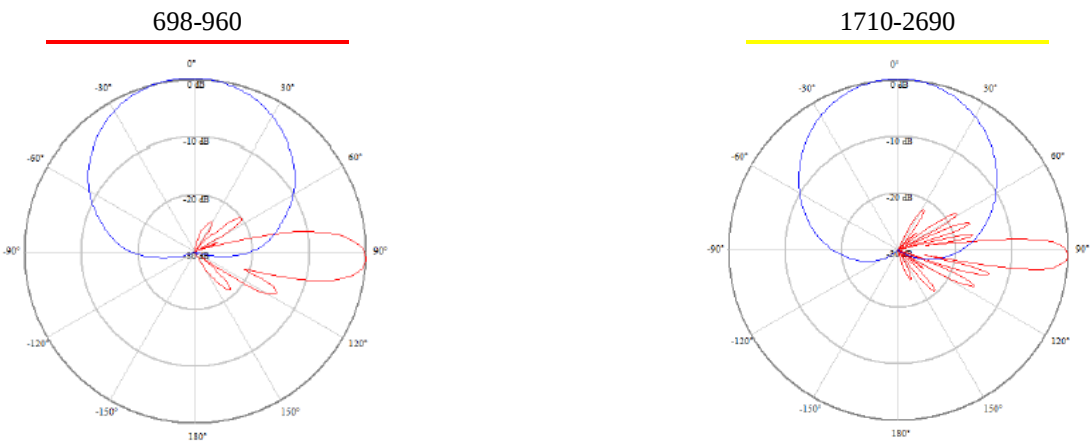
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Layout



Array	Connector	Frequency (MHz)	Sector	RET Serial*
R1/R2/R3 ●	1-2/7-8/13-14	698-960	1/2/3	TBD
Y1/Y2 ●	3-4/5-6	1710-2690	1	TBD
Y3/Y4 ●	9-10/11-12	1710-2690	2	TBD
Y5/Y6 ●	15-16/17-18	1710-2690	3	TBD

Pattern



Accessories

Item	Model	Weight (kg)	Mechanical Tilt Range (°)
Mounting Kit	Flange Mounted	/	0

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 OHSAS 18001
- 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. For environmental information, please refer to www.rosenbergerap.com/content/Environment.aspx