

WPCP-01

6 Port Antenna / 1H Tri-Sector / 1.0m

PROSE

- 3 x (1710-2690) MHz
- Integrated RET (AISG 2.0 Compliant), Field Exchangeable
- 4.3-10 Connectors

Electrical Data (BASTA)

Frequency(MHz)		1710-2690		
		1710-2170	2300-2490	2490-2690
Gain	Mid Tilt	dBi	13.6	14.1
	Over All Tilts		13.5±0.5	14.0±0.5
Polarization		°	±45°	

Horizontal Pattern

3dB Azimuth Beamwidth	°	68±5	65±5	68±5
Front to Back Ratio, 180°±30°	dB	> 25	> 25	> 25
Cross-Polar Discrimination		> 15	> 15	> 15
At Mechanical Boresight 0°				
Over Sector ±60°		> 8	> 6	> 6

Vertical Pattern

3dB Elevation Beamwidth	°	16±1.3	13±1.0	12±1.0
Electrical Downtilt		2-12		
1st Upper Sidelobe Suppression	dB	> 15	> 15	> 15

RF Parameters

VSWR		< 1.5
Intra - Cluster Isolation	dB	25
3rd PIM(2 x 43 dBm)	dBc	< 150
Impedance	Ω	50
Maximum Effective Power	W	200
Per Port		

— Maximum Effective Power Whole Antenna: 800 W.

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Mechanical Data (BASTA)

Connector Type	6 x 4.3-10 Female	
Connector Position	Bottom	
Lightning Protection	DC Ground	
Radome Material	Fiberglass	
Radome Color	Light Grey	
Antenna Net Weight	11.5 kg	25.4 lb
Shipping Weight	13.5kg	29.8 lb
Antenna Dimensions (H x W x D)	Φ160 x 1045 mm	Φ6.3 x 41.1 in
Packing Size (H x W x D)	1200×265×280 mm	47.2 x 10.4 x 11.0 in
Survival Wind Speed	241 km/h	150 mph
Wind Load @150 km/h (Frontal / Lateral / Max)	142 N	32 lbf
Relative Humidity	5% - 95%	
Operating Temperature Range	-40 ~ +70 °C	-40 ~ +158 °F

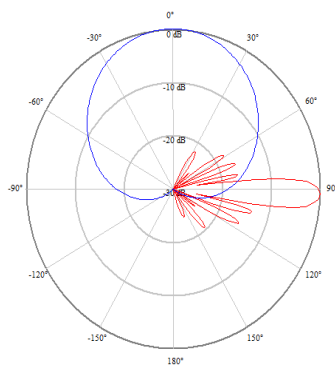


RET Specification (BASTA)

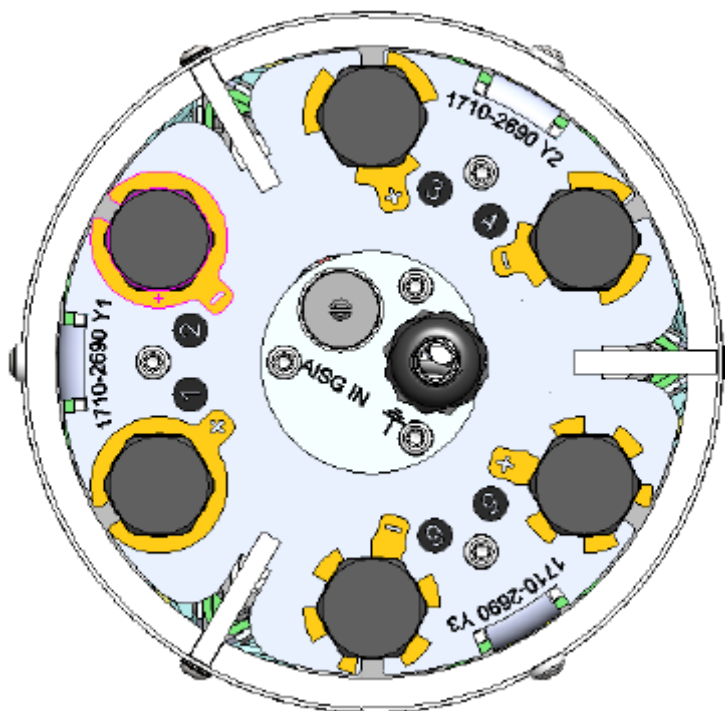
Compatible Standards	AISG2.0/ 3GPP
Power Consumption	≤2(stand by); ≤13(operating)
Configuration Management	Integrated RET, pre-configured
Software Upgradability	True
Replaceability in Field	True

Pattern (Sample for reference)

1710-2690



Layout



Array	Connector	Frequency (MHz)	Sub Unit #	RET Type	RET Serial*
●Y1	1 - 2	1710-2690	/	SRET	RB.....XYYxxxxx-Y1
●Y2	3 - 4	1710-2690	/	SRET	RB.....XYYxxxxx-Y2
●Y3	5 - 6	1710-2690	/	SRET	RB.....XYYxxxxx-Y3

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

Accessories

Item	Model	Weight	Mechanical Tilt Range (°)
Mounting Kit	Flange Mounted	2.3kg	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