G2WPCP-01UE

18 Port Antenna / 1L2H Tri-Sector / 1.3m

- 3 x (698-960) + 6 x (1695-2690) MHz
- Integrated RET (AISG 2.0 Compliant), Field Exchangeable
- 4.3-10 Connectors

Electrical Data (BASTA)

Frequency(MHz)			3 x (698-960)			6 x (1710-2690)			
			698-806	806-880	880-960	1710-1990	1920-2200	2300-2490	2490-2690
Gain	R1-R3 / Y1-Y6 Mid Tilt	dBi	12.9	13.4	13.5	15.6	15.8	16.0	16.6
	R1-R3 / Y1-Y6 Over All Tilts	dBi	12.8±0.5	13.3±0.5	13.5±0.5	15.5±0.5	15.7±0.5	16.0±0.5	16.5±0.5
Polarization		°	±45°						
Horizontal Pattern									
3dB Azimuth Beamwidth		°	69±7	67±6	63±6	67±6	66±6	63±6	58±6
Front to Back Ratio, (180°±30°)		dB	> 25	> 25	> 25	> 25	> 25	> 25	> 25
Cross-Polar Discrimination At Mechanical Boresight 0°		dB	> 15	> 15	> 15	> 15	> 15	> 15	> 15
Vertical Pattern									
3dB Elevation Beamwidth		°	15.5±1.5	14.5±1.5	13.5±1.3	7.9±0.8	7.0±0.6	6.3±0.6	5.7±0.5
Electrical Downtilt		°	0-10			0-10			
1st Upper Sidelobe Suppression		dB	> 15	> 15	> 15	> 15	> 15	> 15	> 15
RF Parameters									
VSWR			< 1.5						
Intra - Cluster Isolation		dB	25			25			
Inter - Cluster Isolation			25						
3rd PIM(2 x 43 dBm)		dBc	< -150						
Impedance		Ω	50						
Maximum Effective Power Per Port		W	250			200			

— Maximum Effective Power Whole Antenna: 800 W.

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Mechanical Data (BASTA)

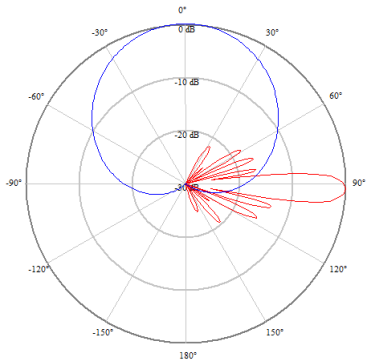
Connector Type	18 x 4.3-10 Female	
Connector Position	Bottom	
Lightning Protection	DC Ground	
Radome Material	Fiberglass	
Radome Color	Light Grey	
Antenna Net Weight	84 kg	185.2 lb
Shipping Weight	125	275.6 lb
Antenna Dimensions (Diameter x Length)	φ450 x 1360 mm	17.7 x 53.5 in
Packing Size (H x W x D)	1810 x 580 x 700 mm	71.3 x 22.8 x 27.6 in
Survival Wind Speed	241 km/h	150 mph
Wind Load @150 km/h (N)	575 N	129.3 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)

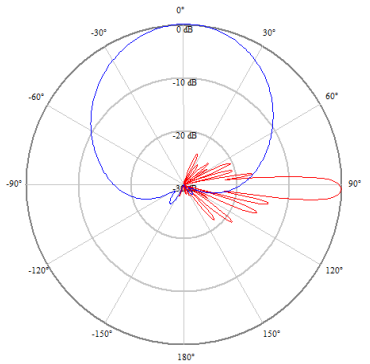
Compatible Standards	AISG2.0/ 3GPP
Power Consumption	≤2(stand by); ≤13(operating)
Configuration Management	Integrated RET, pre-configured
Software Upgradability	True
Replaceability in Field	True

Pattern (Sample for reference)

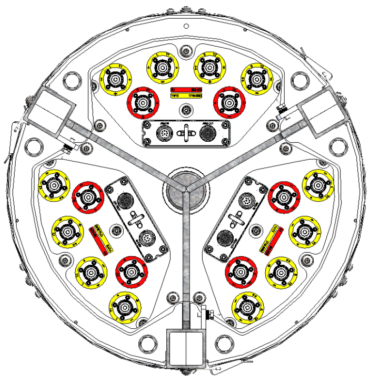
698-960

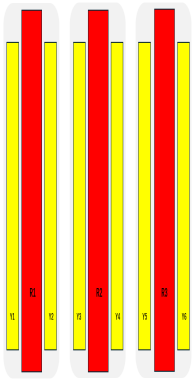


1710-2690



Layout





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

*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 ISO45001
— Our products are compliant to the EU Directive RoHS as well as to other environmentally relevant regulations (e.g. REACH)