

2G3WD-00D-V2

10 Port Antenna / 2L3H / 2.0m

PROSE

- 2×(698-960) + 3×(1695-2690) MHz
- Integrated RET (AISG 2.0 Compliant), Field Exchangeable
- 7/16 Connectors, each pair port separate scale

Electrical Data (BASTA 11.1)

Frequency(MHz)		2×(698-960)			3×(1695-2690)			
		698-803	824-894	880-960	1695-1990	1920-2200	2300-2400	2500-2690
Gain	R1/R2	Mid Tilt	14.5	14.9	15.6			
			14.4±0.5	14.9±0.6	15.5±0.5			
	Y1/Y2/Y3	Over All Tilts				16.9	17.2	17.4
						16.8±0.5	17.1±0.5	17.3±0.5
Polarization		°	±45					

Horizontal Pattern

3dB Azimuth Beamwidth	°	67±5	63±4	63±5	67±5	65±5	60±5	58±3
Front to Back Ratio	dB	> 22	> 23	> 23	> 24	> 25	> 26	> 26
Cross-Polar Discrimination								
At Mechanical Boresight 0°		> 18	> 18	> 18	> 16	> 16	> 16	> 16
Over Sector ±60°		> 9	> 9	> 7	> 8	> 6	> 4	> 4

Vertical Pattern

3dB Elevation Beamwidth	°	10.7±0.7	10.0±0.8	8.9±0.4	7.2±0.6	6.3±0.6	5.6±0.5	5.2±0.5
Electrical Downtilt		2-12			2-12			
1st Upper Sidelobe Suppression	dB	> 16			> 16			

RF Parameters

VSWR		< 1.5	
Intra - Cluster Isolation	dB	> 25	> 25
Inter - Cluster Isolation		> 25	> 25
3rd PIM(2 x 43 dBm)	dBc	< -150	
Efficiency		> 70%	> 70%
Impedance	Ω	50	
Maximum Effective Power per Port	W	300	250

— Maximum Effective Power Whole Antenna: 1000 W.

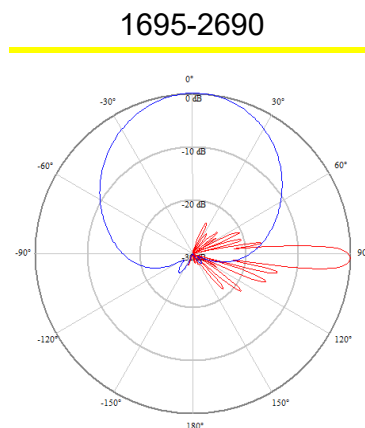
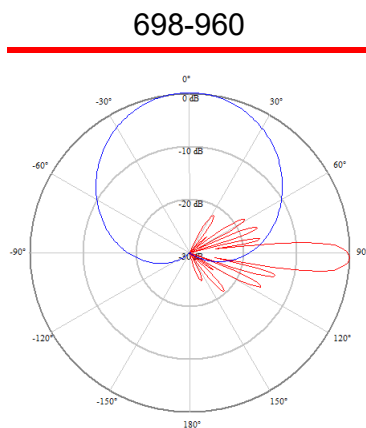
Mechanical Data (BASTA 11.1)

Connector Type	10 x 7/16DIN Female	
Connector Position	Bottom	
Lightning Protection	DC Ground	
Reflector Material	Aluminum Alloy	
Radiator Material	Low Loss Circuit Board	
Radome Material	Fiberglass(UV resistance)	
Radome Color	Light Grey	
Antenna Net Weight	< 28 kg	61.7 lb
Shipping Weight	33 kg	72.8 lb
Antenna Dimensions (H x W x D)	1999 x 446 x 165 mm	78.7 x 17.6 x 6.5 in
Packing Size (H x W x D)	2260 x 525 x 260 mm	89.0 x 20.7 x 10.2 in
Survival Wind Speed	241 km/h	150 mph
Wind Load @150 km/h (Frontal / Lateral / Rear)	915 / 246 / 948 N	206 / 59 / 215 lbf
Mast Diameter Supported	50 - 110 mm	2.0 - 4.3 in
Relative Humidity	5% - 95%	
Operating & Storage Temperature Range	-40 ~ +70 °C	-40 ~ +158 °F

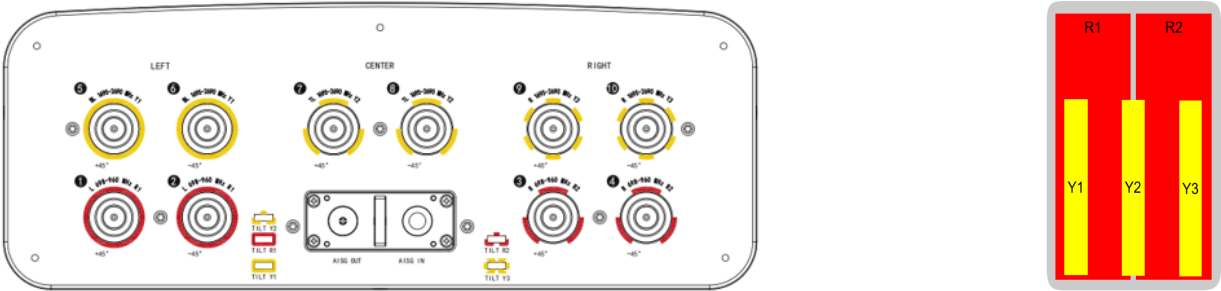


RET Specification (BASTA 11.1)

Compatible Standards	AISG2.0/ 3GPP
Power Consumption	≤2W(stand by); ≤13W(operating)
Configuration Management	Integrated RET, pre-configured
Lifespan by number of adjustments	≥ 10,000
Daisy chain connection solution	support daisy-chaining/cascade
Voltage	10-30VDC
Hardware interface	RS 485A/B(pin 5, pin 3) follow IEC 60130-9
Connector	2x8 pin follow IEC 60130-9 Daisy chain in: Male; Daisy chain out: Female
Salt spray test	500 Hours

Pattern (Sample for reference)

Layout



Array	Connector	Frequency (MHz)	Sub Unit #	RET Type	RET Serial*
●R1	1 - 2	698-960	3	MRET	RB.....XYYxxxxx-MM
●R2	3 - 4	698-960	4	MRET	RB.....XYYxxxxx-MM
●Y1	5 - 6	1695-2690	2	MRET	RB.....XYYxxxxx-MM
●Y2	7 - 8	1695-2690	1	MRET	RB.....XYYxxxxx-MM
●Y3	9 - 10	1695-2690	5	MRET	RB.....XYYxxxxx-MM

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

Accessories

Item	Model	Weight	Mechanical Tilt Range (°)
Mounting Kit	85L-1	4.1 kg / 9.0 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 OHSAS 18001
- Our products are compliant to the EU Directive RoHS 2 as well as to other environmentally relevant regulations (e.g. REACH)



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