

G33E-21RV1

2 Port Antenna / 1L / 2.4m

PROSE

- 698-960 MHz
- Embedded RET (AISG 2.0 Compliant), Field Exchangeable
- 4.3-10 Connectors

Electrical Data (BASTA)

Frequency(MHz)		698-960	
		698-803	824-960
Gain R1	Mid Tilt	18.0	18.2
	Over All Tilts	18.0±0.6	18.2±0.6
Polarization		±45°	

Horizontal Pattern			
3dB Azimuth Beamwidth	°	37±5	33±4
Front to Back Ratio, (180°±30°)	dB	> 26	> 26
Cross-Polar Ratio At Mechanical Boresight 0°		> 20	

Vertical Pattern			
3dB Elevation Beamwidth	°	9.5±0.8	8.5±1.0
Electrical Downtilt		0-10	
1st Upper Sidelobe Suppression	dB	> 16	

RF Parameters			
VSWR		< 1.5	
Intra - Cluster Isolation	dB	> 26	
3rd PIM(2 x 43 dBm)	dBc	< -153	
Impedance	Ω	50	
Maximum Effective Power Per Port	W	300	

— Maximum Effective Power Whole Antenna: 500 W.

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Mechanical Data (BASTA)

Connector Type	2 x 4.3-10 Female	
Connector Position	Bottom	
Lightning Protection	DC Ground	
Radome Material	Fiberglass	
Radome Color	Light Grey	
Antenna Net Weight	29.0 kg	63.93 lb
Shipping Weight	42.0 kg	92.59 lb
Antenna Dimensions (H x W x D)	2499 x 496 x 169 mm	98.4 x 19.5 x 6.7 in
Packing Size (H x W x D)	2640 x 605 x 344 mm	103.9 x 23.8 x 13.5 in
Survival Wind Speed	241 km/h	150 mph
Wind Load @150 km/h (Frontal / Lateral / Max360°)	952 / 467 / 1282 N	214 / 105 / 288 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

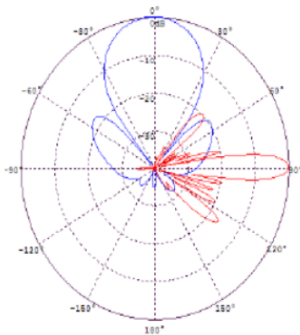


RET Specification (BASTA)

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



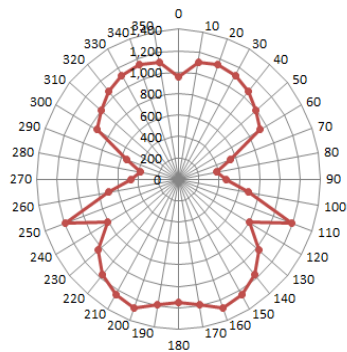
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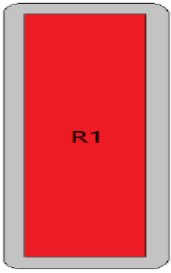
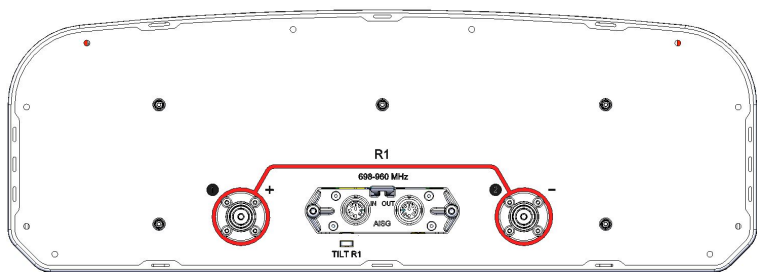
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Polar Chart

Wind Load @150 km/h



Layout



Array	Connector	Frequency (MHz)	Sub Unit #	RET Type	RET Serial*
●R1	1 - 2	698-960	/	SRET	RB.....XYYxxxxx-R1

*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)



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.