

## DR-A2J11-F2B Data Sheet v0.2

XXX Pol,694-960/1695-2690/1695-2690MHz

65/65/65 Horizontal Beamwidth,12.5/15.3/15.3dBi

E-tilt:2-14/2-14/2-14

0.9m 6-Port 1L2M Antenna with Integrated RCU

## Electrical Properties(BASTA 11.1)

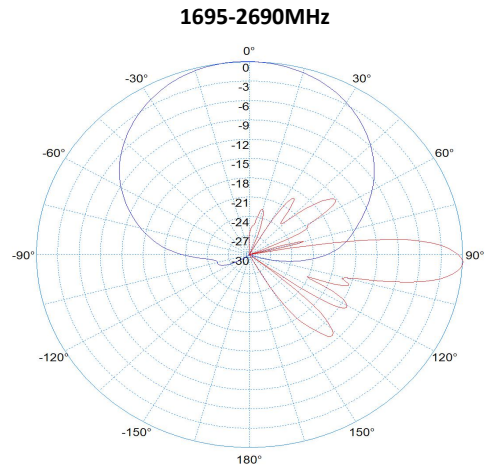
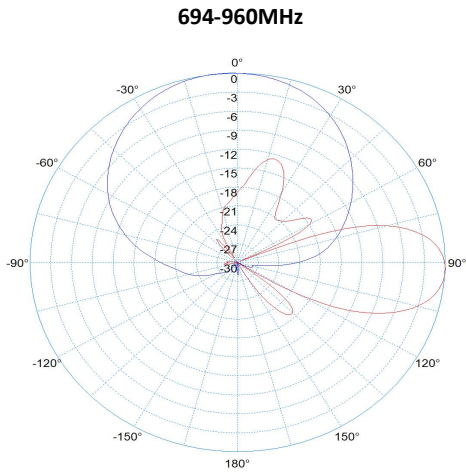
Frequency Band(MHz)	694-960(R1)			1695-2690(Y1,Y2)			
	694-803	790-894	880-960	1695-1990	1920-2200	2300-2400	2490-2690
Polarization	±45°			±45°			
Gain(dBi)	12.1±0.5	12.3±0.5	12.5±0.5	14.5±0.5	14.8±0.5	15.0±0.5	15.3±0.5
Horizontal 3dB Beam Width(°)	65±5	63±5	62±5	63±5	67±5	67±5	63±5
Vertical 3dB Beam Width(°)	25±3.0	23±3.0	21±3.0	13.2±1.5	11.5±1.5	10.5±1.5	9.2±1.0
Front to Back Ratio at 180±30°(dB)	23	23	23	24	24	24	24
Cross Polar Ratio at 0°(dB)	17	17	17	17	17	17	17
Cross Polar Ratio Sector ±60°(dB)	10	10	10	8	8	8	8
1st Upper Sidelobe Suppression(dB)	13	13	13	15	15	15	15
Electrical Downtilt(°)	2-14			2-14			
VSWR	< 1.5			< 1.5			
Cross-polar Isolation(dB)	>25			>25			
Interband Isolation(dB)	R1//Y1,Y2>25						
3rd Order PIM(dBc) @2 x 43dBm	< -153			< -153			
Impedance(Ω)	50			50			
Power Handling(W)	300			250			

## Mechanical Specifications

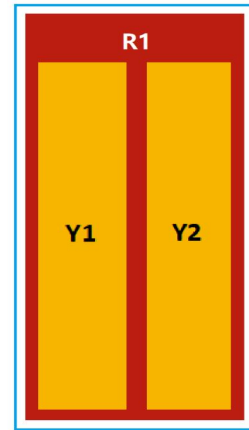
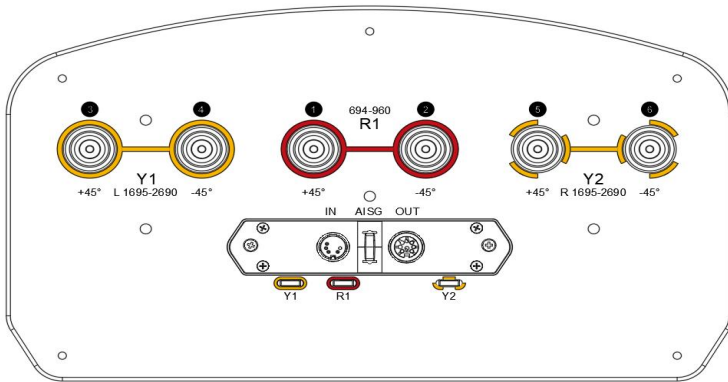
Antenna Dimensions (HxWxD) (mm)	890 x 350 x 200
Packing Dimensions (HxWxD) (mm)	1105 x 420 x 280
Lightning Protection	DC Ground
Antenna Weight (kg)	12.5
Packed Weight (kg)	19
Connector	6 x 4.3-10 Female
Radome Material	Fiberglass
Wind Load at 150 km/h(N) (Front /Rear/Side)	392/380/127
Maximum Wind Speed(km/h)	241
Diameter of Installation Pole(mm)	Φ50-Φ114
Operating Temperature Range(°C)	-40-+65
RET Type	Integrated RCU
RET Protocols	AISG 2.0/3GPP



Pattern sample for reference



Layout of interface



Array ID	RF Connector	RET(S RET)	Frequency(MHz)	AISG RET UID
R1	1-2	2	694-960	MKxxxxxxxxxxxxxxxxR1
Y1	3-4	1	1695-2690	MKxxxxxxxxxxxxxxxxY1
Y2	5-6	3	1695-2690	MKxxxxxxxxxxxxxxxxY2

\* For more information, please refer to the specification of RET.

Accessories

Item	Model	Weight	Mechanical Tilt Range	Quantity
Mounting Kit	MJM-022-1101A	5.5kg	0-10°	1