

DR1-A2J31-F2A Data Sheet v1.0

XXX Pol,698-960/1710-2690/1710-2690MHz
 33/33/33 Horizontal Beamwidth,18.0/19.1/19.1dBi
 E-tilt:2-12/2-12/2-12
 2.0m 6-Port 1L2M Antenna with Integrated RCU

Electrical Properties(BASTA 11.1)

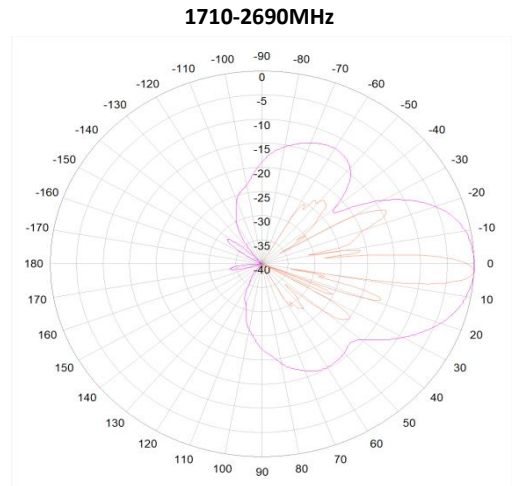
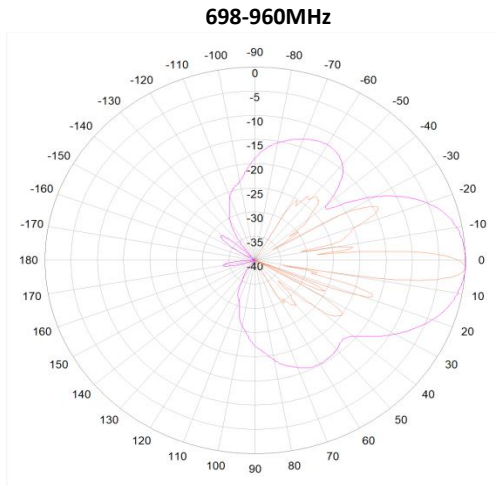
Frequency Band(MHz)	698-960(R1)			1710-2690(Y1,Y2)			
	698-790	790-890	890-960	1710-1920	1920-2200	2300-2500	2500-2690
Polarization	±45°			±45°			
Gain(dBi)	17.0±0.5	17.4±0.4	18.0±0.3	17.7±0.5	18.1±0.5	18.5±0.5	19.1±0.5
Horizontal 3dB Beam Width(°)	38±3	35±3	31±3	35±3	31±3	29±3	27±3
Vertical 3dB Beam Width(°)	11.0±1.0	10.2±0.8	9.5±0.5	10.7±0.9	9.5±0.9	8.0±0.6	7.4±0.6
Front to Back Ratio at 180±30°(dB)	27	27	27	27	27	27	27
Cross Polar Ratio at 0°(dB)	18	18	18	18	18	18	18
1st Upper Sidelobe Suppression(dB)	16	16	16	16	16	16	16
Electrical Downtilt(°)	2-12			2-12			
VSWR	< 1.5			< 1.5			
Cross-polar Isolation(dB)	>25			>25			
Interband Isolation(dB)	>28			>28			
3rd Order PIM(dBc) @2 x 43dBm	< -153			< -153			
Impedance(Ω)	50			50			
Power Handling(W)	300			250			

Mechanical Specifications

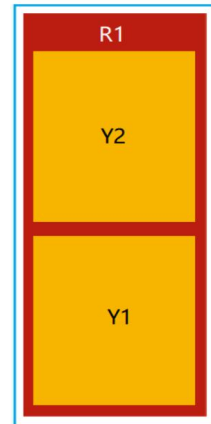
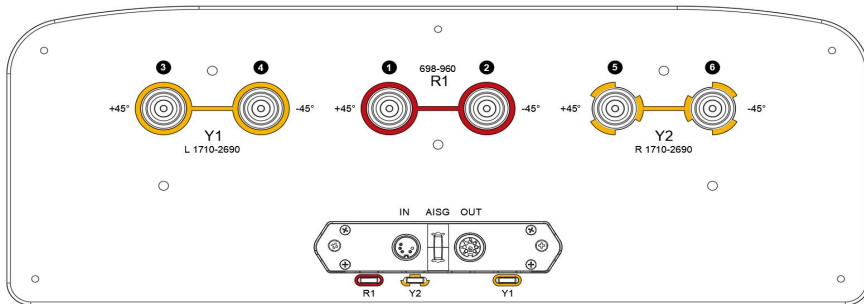
Antenna Dimensions (HxWxD) (mm)	1995 x 480 x 175
Packing Dimensions (HxWxD) (mm)	2210 x 550 x 255
Lightning Protection	DC Ground
Antenna Weight (kg)	27
Packed Weight (kg)	36.5
Connector	6 x 4.3-10 Female
Radome Material	Fiberglass
Wind Load at 150 km/h(N) (Front /Rear/Side)	1270/1490/320
Maximum Wind Speed(km/h)	200
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	1	698-960	MKxxxxxxxxxxxxxxxxR1
Y1	3-4	2	1710-2690	MKxxxxxxxxxxxxxxxxY1
Y2	5-6	3	1710-2690	MKxxxxxxxxxxxxxxxxY2

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

Accessories

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