

DR-AJ22-F2B Data Sheet v0.4

XX Pol,694-960/1710-2690MHz

65/65 Horizontal Beamwidth,15.0/18.0dBi

E-tilt:0-14/2-12

1.4m 4-Port 1L1M Antenna with Integrated RCU

Electrical Properties(BASTA 11.1)

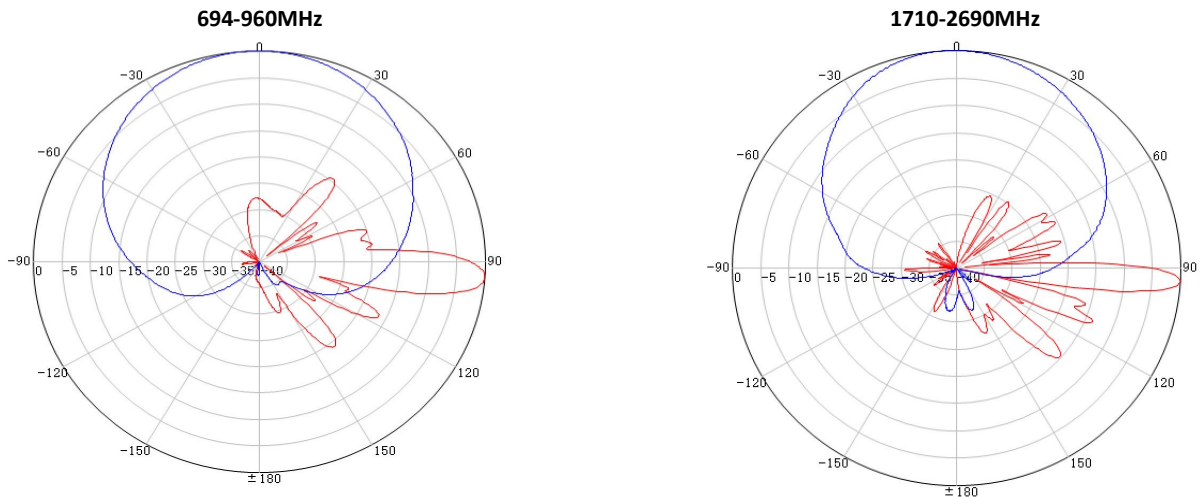
Frequency Band(MHz)	694-960(R1)			1710-2690 (Y1)			
	694-803	790-894	880-960	1710-1990	1920-2200	2300-2400	2490-2690
Polarization	±45°			±45°			
Gain(dBi)	13.5±0.5	14.0±0.5	14.5±0.5	16.2±0.5	16.5±0.5	16.8±0.5	17.0±0.5
Horizontal 3dB Beam Width(°)	68±6.5	65±6.5	63±6.5	68±6.5	65±6.5	63±6.5	61±6.5
Vertical 3dB Beam Width(°)	13±1.2	12±1.0	11±1.0	8±0.8	7.5±0.6	7.0±0.6	6.5±0.6
Front to Back Ratio at 180±30°(dB)	25	24	23	25	25	24	23
Cross Polar Ratio at 0°(dB)	15	15	15	15	15	15	15
Cross Polar Ratio Sector ±60°(dB)	10	9	8	10	8	8	6
1st Upper Sidelobe Suppression(dB)	15	15	15	15	15	15	15
Electrical Downtilt(°)	0-14			2-12			
VSWR	< 1.5			< 1.5			
Cross-polar Isolation(dB)	>25			>25			
Interband Isolation(dB)	R1//Y1>28						
3rd Order PIM(dBc) @2 x 43dBm	< -153			< -153			
Impedance(Ω)	50			50			
Power Handling(W)	300			200			

Mechanical Specifications

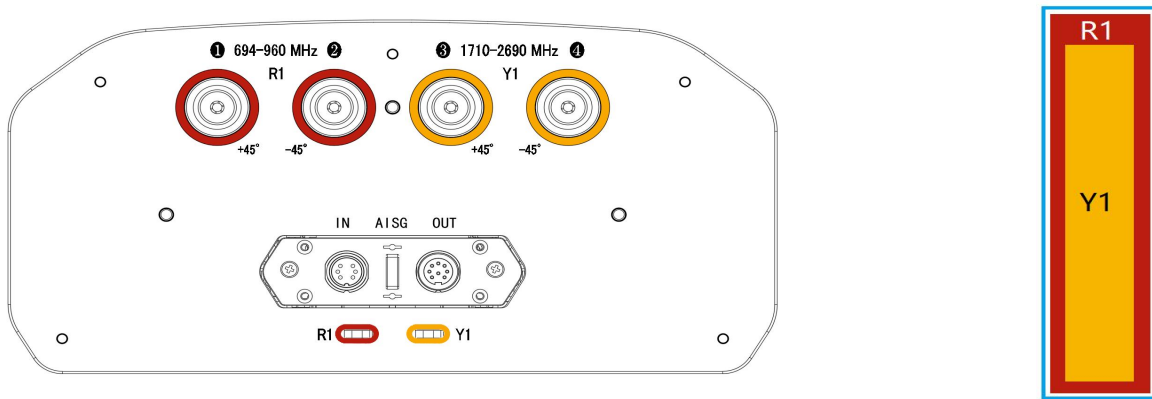
Antenna Dimensions (HxWxD) (mm)	1395 x 295 x 145
Packing Dimensions (HxWxD) (mm)	1610 x 365 x 225
Lightning Protection	DC Ground
Antenna Weight (kg)	14
Packed Weight (kg)	21
Connector	4 x 4.3-10 Female
Radome Material	Fiberglass
Wind Load at 150 km/h(N)(Front /Rear/Side)	565/594/292
Maximum Wind Speed(km/h)	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	1	694-960	MKxxxxxxxxxxxxxxxxR1
Y1	3-4	2	1710-2690	MKxxxxxxxxxxxxxxxxY1

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

Accessories

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