

DR-A4J42-F2A Data Sheet v0.2

XXXXX Pol,694-960/1695-2690/1695-2690/1695-2690/1695-2690MHz
 65/65/65/65/65 Horizontal Beamwidth,17.0/18.0/18.0/18.0/18.0dBi
 E-tilt:2-12/2-12/2-12/2-12/2-12
 2.7m 10-Port 1L4M Antenna with Integrated RCU

Electrical Properties(BASTA 11.1)

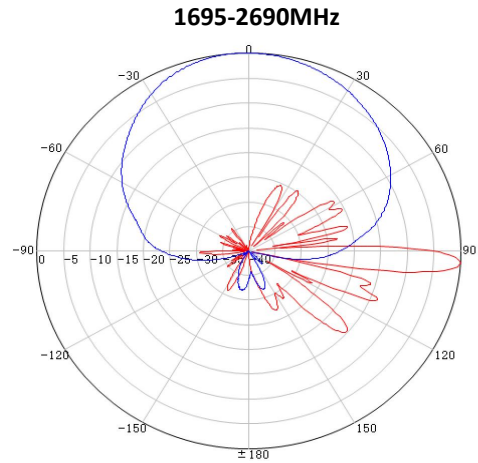
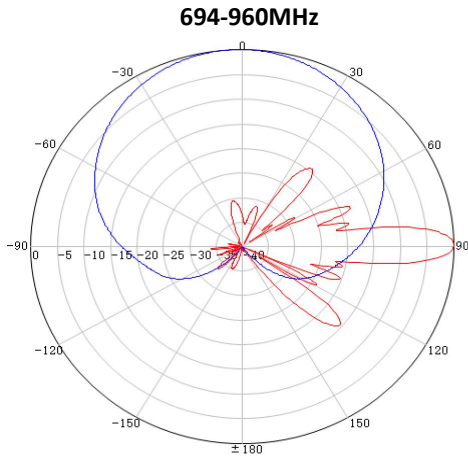
Frequency Band(MHz)	694-960(R1)			1695-2690(Y1,Y2,Y3,Y4)			
	694-803	790-894	880-960	1695-1990	1920-2200	2300-2400	2500-2690
Polarization	±45°			±45°			
Gain(dBi)	16.2±0.5	16.6±0.5	17.1±0.5	17.2±0.5	17.6±0.5	18.1±0.5	18.3±0.5
Horizontal 3dB Beam Width(°)	69±3	68±3	64±3	64±5	69±5	68±4	64±5
Vertical 3dB Beam Width(°)	8.8±0.8	7.7±0.7	7.1±0.5	7.5±0.6	6.9±0.6	6.0±0.3	5.5±0.3
Front to Back Ratio at 180±30°(dB)	25	25	25	25	25	25	25
Cross Polar Ratio at 0°(dB)	18	18	18	18	18	18	18
Cross Polar Ratio Sector ±60°(dB)	10	10	10	9	9	8	8
1st Upper Sidelobe Suppression(dB)	17	17	17	17	17	17	17
Electrical Downtilt(°)	2-12			2-12			
VSWR	< 1.5			< 1.5			
Cross-polar Isolation(dB)	>28			>28			
Interband Isolation(dB)	R1/Y1,Y2,Y3,Y4>28						
3rd Order PIM(dBc)@2 x 43dBm	< -153			< -153			
Impedance(Ω)	50			50			
Power Handling(W)	300			250			

Mechanical Specifications

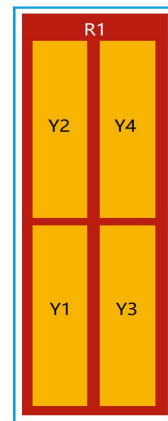
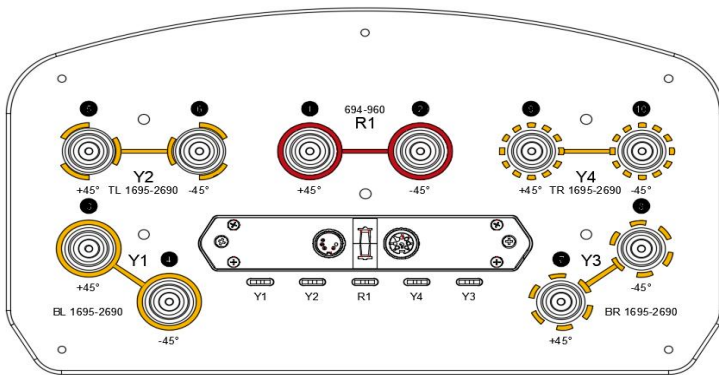
Antenna Dimensions (HxWxD) (mm)	2685 x 350 x 200
Packing Dimensions (HxWxD) (mm)	2970 x 420 x 280
Lightning Protection	DC Ground
Antenna Weight (kg)	33
Packed Weight (kg)	46
Connector	10 x 4.3-10 Female
Radome Material	Fiberglass
Wind Load at 150 km/h(N) (Front /Rear/Side)	1300/1330/513
Maximum Wind 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	1695-2690	MKxxxxxxxxxxxxxxxxY1
Y2	5-6	3	1695-2690	MKxxxxxxxxxxxxxxxxY2
Y3	7-8	4	1695-2690	MKxxxxxxxxxxxxxxxxY3
Y4	9-10	5	1695-2690	MKxxxxxxxxxxxxxxxxY4

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

Accessories

Item	Item	Weight	Mechanical Tilt Range	Quantity
Mounting Kit	MJM-020-1101A2	8.0kg	0-8°	1