

DR-2M2J42-F2A Data Sheet v1.0

XXXX Pol,617-894/617-894/1710-2690/1710-2690MHz
 65/65/65/65 Horizontal Beamwidth,17.1/17.1/17.8/17.8dBi
 E-tilt:2-12/2-12/2-12/2-12
 2.7m 8-Port 2L2M Antenna with Integrated RCU

Electrical Properties(BASTA 11.1)

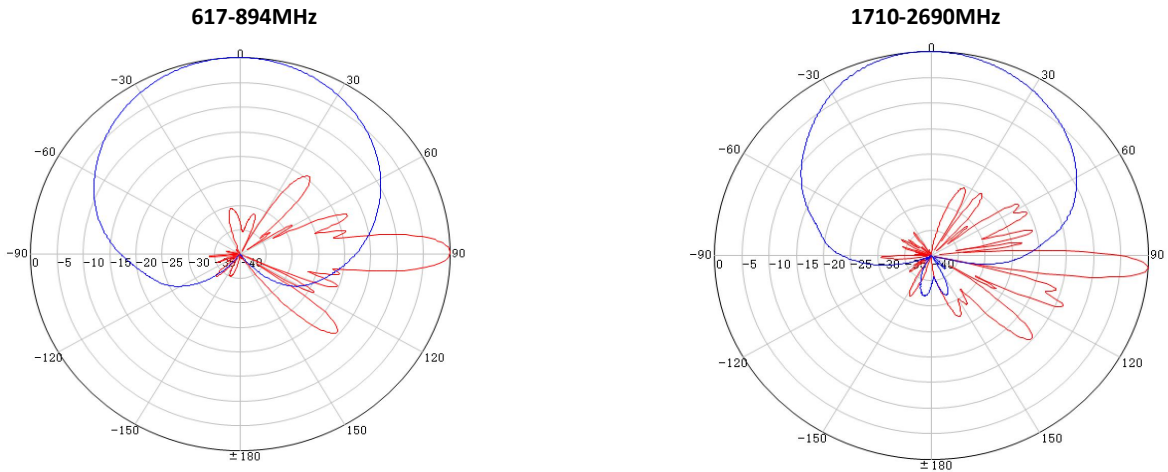
Frequency Band(MHz)	617-894(R1,R2)		1710-2690(Y1,Y2)			
	617-745	745-894	1710-1990	1920-2200	2300-2400	2500-2690
Polarization	±45°		±45°			
Gain(dBi)	16.4±0.5	17.1±0.5	17.1±0.5	17.3±0.5	17.5±0.5	17.8±0.5
Horizontal 3dB Beam Width(°)	68±3	64±3	62±5	68±5	66±5	63±5
Vertical 3dB Beam Width(°)	8.0±1.5	7.2±1.2	7.0±0.5	6.5±0.5	6.3±0.5	6.0±0.5
Front to Back Ratio at 180±30°(dB)	25	25	25	25	25	25
Cross Polar Ratio at 0°(dB)	15	15	15	15	15	15
Cross Polar Ratio Sector ±60°(dB)	8	8	8	8	8	8
1st Upper Sidelobe Suppression(dB)	16	16	17	17	17	17
Electrical Downtilt(°)	2-12		2-12			
VSWR	< 1.5		< 1.5			
Cross-polar Isolation(dB)	> 25		> 25			
Interband Isolation(dB)	R1//R2 > 25;R1,R2//Y1,Y2 > 28					
3rd Order PIM(dBc) @2 x 43dBm	< -153		< -153			
Impedance(Ω)	50		50			
Power Handling(W)	300		250			

Mechanical Specifications

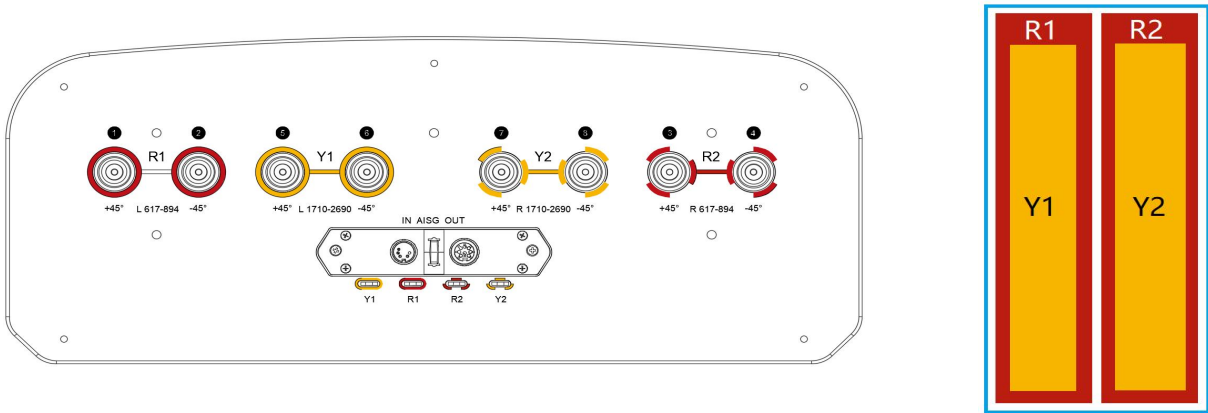
Antenna Dimensions (HxWxD) (mm)	2685 x 499 x 199
Packing Dimensions (HxWxD) (mm)	2970 x 569 x 279
Lightning Protection	DC Ground
Antenna Weight (kg)	30.5
Packed Weight (kg)	46.5
Connector	8 x 4.3-10 Female
Radome Material	Fiberglass
Wind Load at 150 km/h(N) (Front /Rear/Side)	1556/1817/475
Maximum Wind 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	2	617-894	MKxxxxxxxxxxxxxxxxR1
R2	3-4	3	617-894	MKxxxxxxxxxxxxxxxxR2
Y1	5-6	1	1710-2690	MKxxxxxxxxxxxxxxxxY1
Y2	7-8	4	1710-2690	MKxxxxxxxxxxxxxxxxY2

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

Accessories

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