

## DR-2A3-F2A Data Sheet v0.2

XX Pol,694-960/694-960MHz  
 65/65 Horizontal Beamwidth,16.0/16.0dBi  
 E-tilt:2-12/2-12  
 2.0m 4-Port 2L Antenna with Integrate RCU

## Electrical Properties(BASTA 11.1)

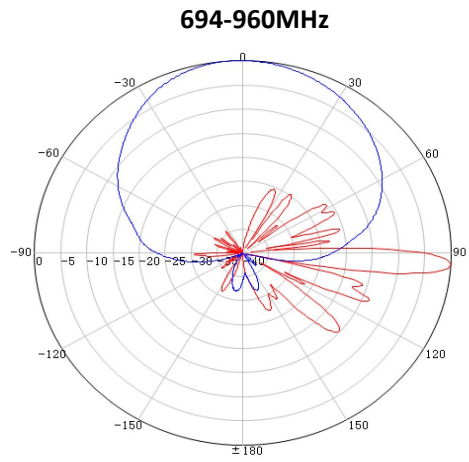
Frequency Band(MHz)	694-960(R1,R2)		
	694-803	790-894	880-960
Polarization	±45°		
Gain(dBi)	15.2±0.5	15.7±0.5	16.0±0.5
Horizontal 3dB Beam Width(°)	69±6	63±5	61±5
Vertical 3dB Beam Width(°)	10.0±0.8	9.2±0.6	8.5±0.5
Front to Back Ratio at 180±30°(dB)	23	23	24
Cross Polar Ratio at 0°(dB)	17	17	17
Cross Polar Ratio Sector ±60°(dB)	10	9	8
1st Upper Sidelobe Suppression(dB)	15	15	15
Electrical Downtilt(°)	2-12		
VSWR	< 1.5		
Cross-polar Isolation(dB)	>28		
Interband Isolation(dB)	>26		
3rd Order PIM(dBc)	< -153@2 x 43 dBm		
Impedance(Ω)	50		
Power Handling(W)	500		

## Mechanical Specifications

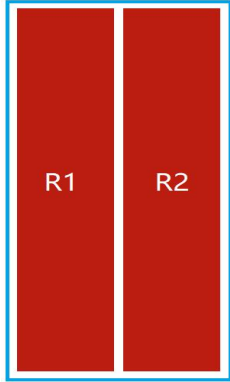
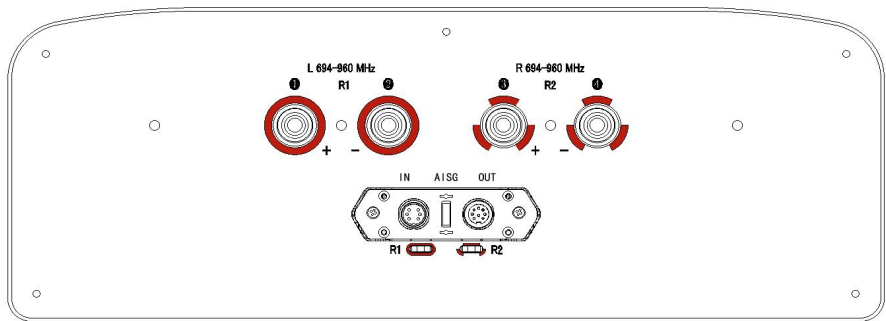
Antenna Dimensions (HxWxD) (mm)	1995 x 446 x 175
Packing Dimensions (HxWxD) (mm)	2210 x 516 x 255
Lightning Protection	DC Ground
Antenna Weight (kg)	30
Packed Weight (kg)	40.5
Connector	4 x 4.3-10 Female
Radome Material	Fiberglass
Wind Load at 150 km/h(N) (Front /Rear/Side)	1221/1285/475
Maximum Wind Speed(km/h)	241
Diameter of Installation Pole(mm)	Φ50-Φ114
Operating Temperature Range(°C)	-40+65
RET Type	Integrate 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
R2	3-4	2	694-960	MKxxxxxxxxxxxxxxxxR2

\* 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