

DD-2J2-F2A Data Sheet v1.0

XX Pol,1710-2690/1710-2690MHz

33/33 Horizontal Beamwidth,21.0/21.0dBi

E-tilt:2-12/2-12

1.4m 4-Port 2M Antenna with Integrated RCU

Electrical Properties(BASTA 11.1)

Frequency Band(MHz)	1710-2690(Y1,Y2)			
	1710-1990	1920-2200	2300-2400	2490-2690
Polarization	±45°			
Gain(dBi)	19.2±0.6	19.6±0.6	19.8±0.8	20.0±0.8
Horizontal 3dB Beam Width(°)	39±3	37±3	34±3	32±3
Vertical 3dB Beam Width(°)	7.6±0.6	6.7±0.7	5.8±0.5	5.4±0.5
Front to Back Ratio at 180±30°(dB)	>25	>25	>25	>25
Cross Polar Ratio at boresight(dB)	>18	>18	>18	>18
1st Upper Sidelobe Suppression(dB)	>16	>16	>16	>16
Electrical Downtilt(°)	2-12			
VSWR	< 1.5			
Cross-polar Isolation(dB)	>28			
Interband Isolation(dB)	>28			
3rd Order PIM(dBc)	< -153@2 x 43 dBm			
Impedance(Ω)	50			
Power Handling(W)	200			

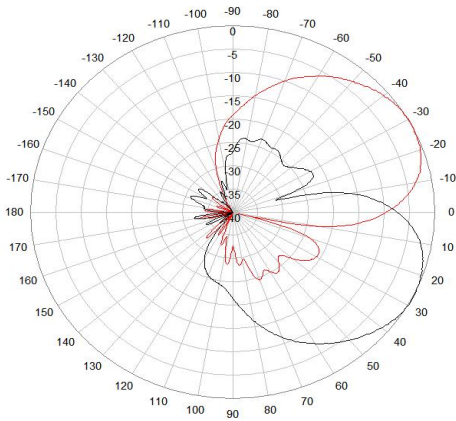
Mechanical Specifications

Antenna Dimensions (HxWxD) (mm)	1400 x 400 x 150
Packing Dimensions (HxWxD) (mm)	1615 x 470 x 230
Lightning Protection	DC Ground
Antenna Weight (kg)	17.5
Packed Weight (kg)	25.5
Connector	4 x 4.3-10 Female
Radome Material	Fiberglass
Wind Load at 150 km/h(N) (Front /Rear/Side)	768/809/303
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

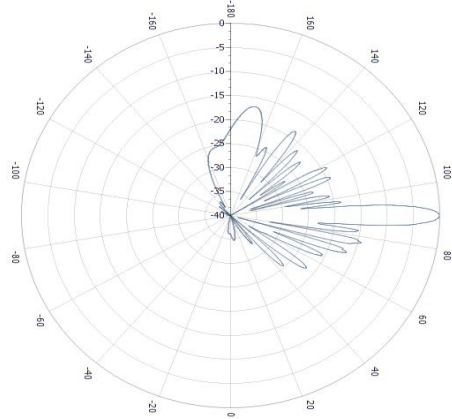


Pattern sample for reference

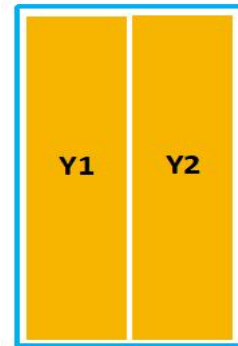
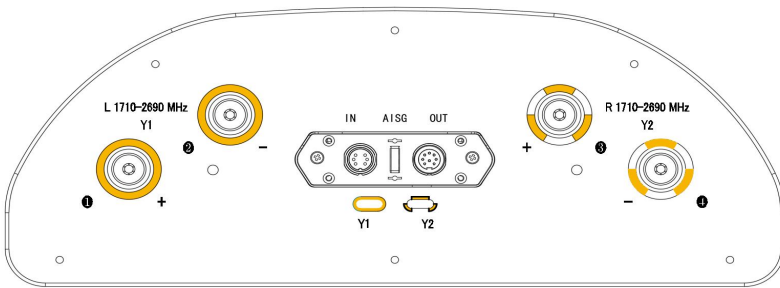
1710-2690MHz Azimuth



1710-2690MHz Elevation



Layout of interface



Array ID	RF Connector	RET	Frequency(MHz)	AISG RET UID
Y1	1-2	1	1710-2690	MKxxxxxxxxxxxxxxxxY1
Y2	3-4	2	1710-2690	MKxxxxxxxxxxxxxxxxY2

* 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