

## DR-2K2D22-F2A Data Sheet v1.0

XXXX Pol, 1710-2170/1710-2170/2490-2690/2490-2690MHz

65/65/65/65 Horizontal Beamwidth,17.0/17.0/17.5/17.5dBi

E-tilt: 2-12/2-12/2-12/2-12

1.4m 8-Port 4H Antenna with Integrated RCU

## Electrical Properties(BASTA 11.1)

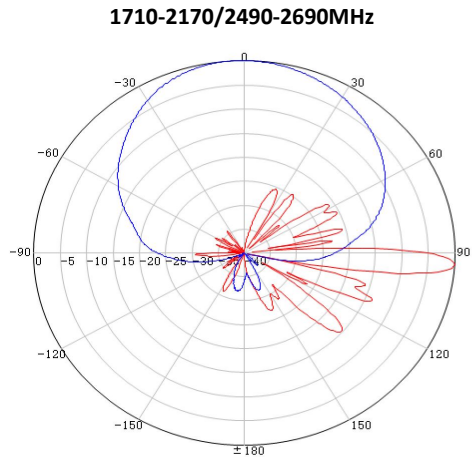
Frequency Band(MHz)	1710-2170(B1,B2)		2490-2690(Y1,Y2)
	1710-1920	1920-2170	2490-2690
Polarization	±45°		
Gain(dBi)	16.8±0.5	17.2±0.5	17.7±0.4
Horizontal 3dB Beam Width(°)	68±4	63±4	61±4
Vertical 3dB Beam Width(°)	6.8±0.5	6.1±0.5	5.1±0.5
Front to Back Ratio at 180±30°(dB)	27	27	27
Cross Polar Ratio at 0°(dB)	18	18	18
Cross Polar Ratio Sector ±60°(dB)	10	10	10
1st Upper Sidelobe Suppression(dB)	15	15	15
Electrical Downtilt(°)	2-12		2-12
VSWR	< 1.5		
Cross-polar Isolation(dB)	> 28		
Interband Isolation(dB)	> 28		
3rd Order PIM(dBc) @2 x 43dBm	< -153		
Impedance(Ω)	50		
Power Handling(W)	200		

## Mechanical Specifications

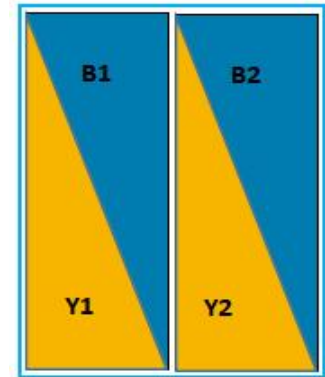
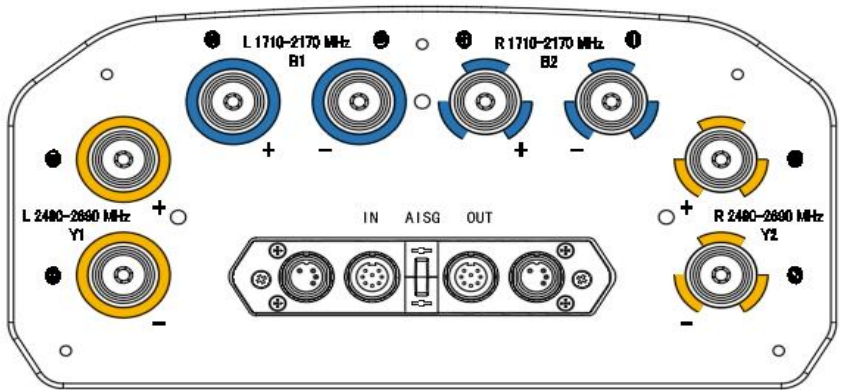
Antenna Dimensions (HxWxD) (mm)	1390 x 295 x 145
Packing Dimensions (HxWxD) (mm)	1605 x 365 x 225
Lightning Protection	DC Ground
Antenna Weight (kg)	18
Packed Weight (kg)	25
Connector	8 x 4.3-10 Female
Radome Material	Fiberglass
Wind Load at 150 km/h(N) (Front /Rear/Side)	563/592/291
Maximum Wind Speed(km/h)	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
B1	1-2	1	1710-2170	MKxxxxxxxxxxxxxxxxB1
B2	3-4	2	1710-2170	MKxxxxxxxxxxxxxxxxB2
Y1	5-6	3	2490-2690	MKxxxxxxxxxxxxxxxxY1
Y2	7-8	4	2490-2690	MKxxxxxxxxxxxxxxxxY2

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

Accessories

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