

DR-Z1-F2A Data Sheet v1.0

X Pol,3300-3800MHz
 65 Horizontal Beamwidth,18.0dBi
 E-tilt:2-12
 0.9m 2-Port 1H Antenna with Integrated RCU

Electrical Properties(BASTA 11.1)

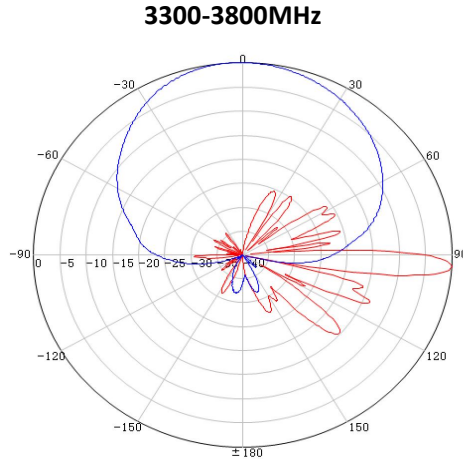
Frequency Band(MHz)	3300-3800(P1)		
	3300-3400	3400-3600	3600-3800
Polarization	±45°		
Gain(dBi)	16.3±0.5	16.8±0.5	17.1±0.5
Horizontal 3dB Beam Width(°)	67±4	64±4	62±4
Vertical 3dB Beam Width(°)	8.0±0.8	7.1±0.6	6.5±0.5
Front to Back Ratio at 180±30°(dB)	25	25	25
Cross Polar Ratio at 0°(dB)	15	15	15
Cross Polar Ratio Sector ±60°(dB)	8	8	8
1st Upper Sidelobe Suppression(dB)	15	15	15
Electrical Downtilt(°)	2-12		
VSWR	< 1.5		
Cross-polar Isolation(dB)	>25		
Impedance(Ω)	50		
Power Handling(W)	150		

Mechanical Specifications

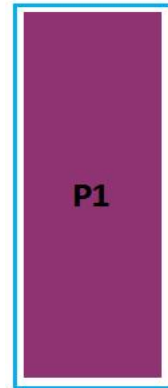
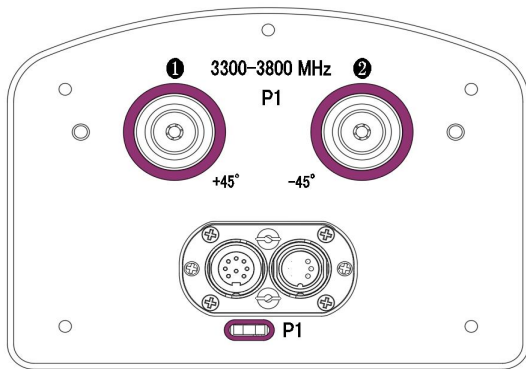
Antenna Dimensions (HxWxD) (mm)	920 x 160 x 115
Packing Dimensions (HxWxD) (mm)	1080 x 250 x 220
Lightning Protection	DC Ground
Antenna Weight (kg)	5.2
Packed Weight (kg)	9.7
Connector	2 x 4.3-10 Female
Radome Material	Fiberglass
Wind Load at 150 km/h(N) (Front /Rear/Side)	202/213/153
Maximum Wind Speed(km/h)	241
Diameter of Installation Pole(mm)	Φ40-Φ90
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
P1	1-2	1	3300-3800	MKxxxxxxxxxxxxxxxxP1

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

Accessories

Item	Item	Weight	Mechanical Tilt Range	Quantity
Mounting Kit	MJM-014-1101A	3.0kg	0-10°	1