

## DR-2Z1-F2A Data Sheet v1.1

XX Pol,3300-3800/3300-3800MHz  
 65/65 Horizontal Beamwidth,18.0/18.0dBi  
 E-tilt:2-12/2-12  
 0.8m 4-Port 2H Antenna with Integrated RCU

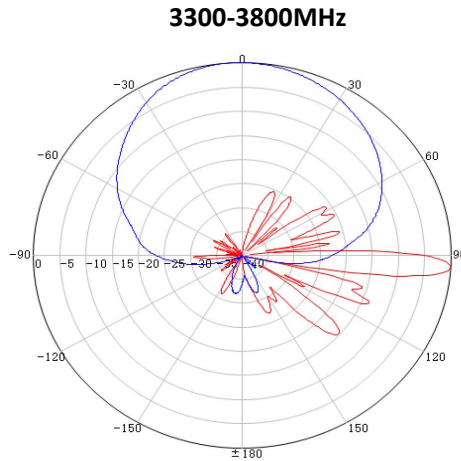
## Electrical Properties(BASTA 11.1)

| Frequency Band(MHz)                | 3300-3800(P1,P2) |           |           |
|------------------------------------|------------------|-----------|-----------|
|                                    | 3300-3400        | 3400-3600 | 3600-3800 |
| Polarization                       | ±45°             |           |           |
| Gain(dBi)                          | 16.5±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              |           |           |
| Interband Isolation(dB)            | /                |           |           |
| Impedance(Ω)                       | 50               |           |           |
| Power Handling(W)                  | 150              |           |           |

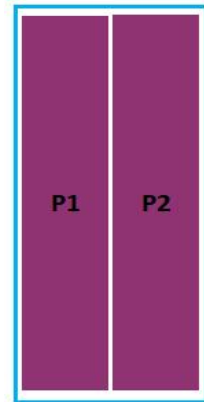
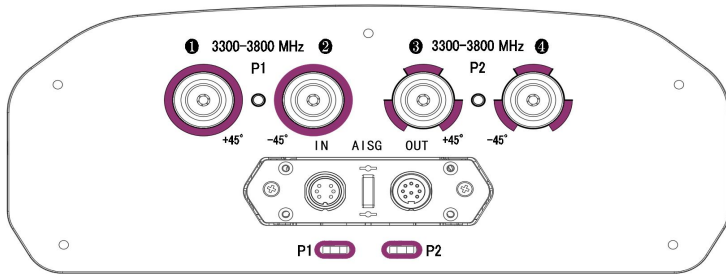
## Mechanical Specifications

|  |                   |   |
|--|-------------------|---|
| Antenna Dimensions (HxWxD) (mm)                | 795 x 295 x 115   |  |
| Packing Dimensions (HxWxD) (mm)                | 1010 x 365 x 195  |   |
| Lightning Protection                           | DC Ground         |   |
| Antenna Weight (kg)                            | 8.0               |   |
| Packed Weight (kg)                             | 15.1              |   |
| Connector                                      | 4 x 4.3-10 Female |   |
| Radome Material                                | Fiberglass        |   |
| Wind Load at 150 km/h(N)<br>(Front /Rear/Side) | 322/339/132       |   |
| 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         |
|----------|--------------|------------|----------------|----------------------|
| P1       | 1-2          | 1          | 3300-3800      | MKxxxxxxxxxxxxxxxxP1 |
| P2       | 3-4          | 2          | 3300-3800      | MKxxxxxxxxxxxxxxxxP2 |

\* 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        |