

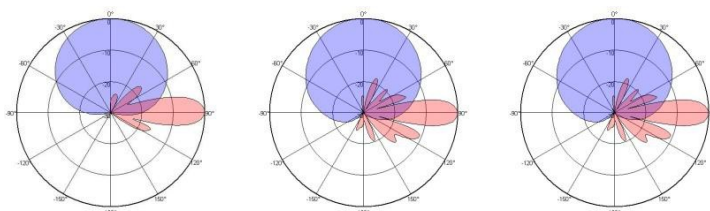
**XXXXPoI 698~960MHz/1710~2690MHz×3 65°/65° 15.2/18dBi 2°~12°/2°~12° Integrated RCU (Remote Control Unit) Antenna**

**Electrical specifications**

| Frequency Range(MHz)  | 698~960                                     |         | 1710~2690 × 3                               |           |           |           |
|---|---|---------|---|-----------|-----------|-----------|
|   | 698~824                                     | 824~960 | 1710~1920                                   | 1920~2170 | 2300~2500 | 2500~2690 |
| Polarization  | ±45°  |         |   |           |           |           |
| Gain (dBi)  | 14.5  | 15.2    | 17.3  | 17.5      | 17.8      | 18        |
| Horizontal 3dB beamwidth (°)                                  | 65  | 62      | 68  | 66        | 63        | 60        |
| Vertical 3dB beamwidth (°)                                    | 16.6  | 14.2    | 7   | 6.2       | 5.7       | 5.5       |
| Front-to-back ratio (dB)                                      | Typically ≥25                               |         |   |           |           |           |
| Cross-polar ratio (dB)  | ≥15(Typically ±60°≥8)                       |         |   |           |           |           |
| Electrical downtilt (°)                                       | 2~12  |         | 2~12  |           |           |           |
| Sidelobe suppression (dB)<br>(First sidelobe above main beam) | Typically:<br>2°...6°...12°<br>17...16...15 |         | Typically:<br>2°...6°...12°<br>17...16...15 |           |           |           |
| VSWR  | <1.5  |         |   |           |           |           |
| Isolation: intra-system (dB)                                  | ≥26   |         | ≥28   |           |           |           |
| Isolation: inter-system (dB)                                  | ≥35   |         |   |           |           |           |
| Intermodulation IM3<br>(2×43dBm carrier)                      | ≤-150dBc                                    |         |   |           |           |           |
| Impedance (Ω)   | 50  |         |   |           |           |           |
| Max. power per input (W) @50°C                                | 400   |         | 250   |           |           |           |
| RET Model   | TRCU-TQ10P2V01(Replaceable, Included)       |         |   |           |           |           |
| RET Protocol  | AISG 2.0 SRET                               |         |   |           |           |           |
| Lightning protection  | DC Ground                                   |         |   |           |           |           |

**Mechanical specifications**

|  |                 |
|--|-----------------|
| Connector  | 8x4.3-10-Female |
| Connector position                                   | Bottom          |
| Height×width×depth (mm)                              | 1500×380×177    |
| Packing size (mm)                                    | 1885×485×275    |
| Antenna weight (kg)                                  | 28.4            |
| Installation kit weight (kg)                         | 5.4             |
| Packing weight (kg)                                  | 38.1            |
| Wind load (N,at 150km/h)<br>Frontal/Lateral/Rearside | 670/210/746     |
| Max. wind velocity (km/h)                            | 216             |
| Radome material                                      | Fiberglass      |
| Radome color   | Gray            |
| Mechanical tilt (°)                                  | 0~15            |
| Operating temperature (°C)                           | -40~60          |
| Mounting hardware (mm)                               | Φ50~Φ115        |



698~960MHz

1710~2690MHz

1710~2690MHz

