

**XXXXXXPol 698~960MHzx2/1710~2690MHzx3 65°/65° 14.5/14.5dBi 2°~12°/2°~10° Integrated RCU (Remote Control Unit) Antenna**

| Electrical specifications                                     |   |         |   |                           |                           |                           |
|---|---|---------|---|---------------------------|---------------------------|---------------------------|
| Frequency Range(MHz)  | 698~960 × 2                                 |         | 1710~2690 × 3                               |                           |                           |                           |
|   | 698~824                                     | 824~960 | 1710~1920                                   | 1920~2200                 | 2200~2500                 | 2500~2690                 |
| Polarization  | ±45°  |         |   |                           |                           |                           |
| Gain (dBi)  | 13.8  | 14.5    | 13.8/13.5<br>(Bottom/Top)                   | 14.0/13.7<br>(Bottom/Top) | 14.3/14.0<br>(Bottom/Top) | 14.5/14.2<br>(Bottom/Top) |
| Horizontal 3dB beamwidth (°)                                  | 68  | 65      | 65  | 63                        | 60                        | 58                        |
| Vertical 3dB beamwidth (°)                                    | 17.5  | 15.5    | 12.5  | 11.5                      | 10.5                      | 10                        |
| Front-to-back ratio (dB)                                      | Typically:co-polar ≥25                      |         |   |                           |                           |                           |
| Cross-polar ratio (dB)  | Typically:≥15<br>(±60°≥10)                  |         | Typically:≥15<br>(±60°≥10)                  | Typically:≥15<br>(±60°≥8) | Typically:≥15<br>(±60°≥6) | Typically:≥15<br>(±60°≥5) |
| Electrical downtilt (°)                                       | 2~12  |         | 2~10  |                           |                           |                           |
| Sidelobe suppression (dB)<br>(First sidelobe above main beam) | Typically:<br>2°...7°...12°<br>17...16...15 |         | Typically:<br>2°...6°...10°<br>16...15...14 |                           |                           |                           |
| VSWR  | <1.5  |         |   |                           |                           |                           |
| Isolation: intra-system (dB)                                  | ≥25   |         |   |                           |                           |                           |
| Isolation: inter-system (dB)                                  | ≥25   |         |   |                           |                           |                           |
| Intermodulation IM3<br>(2x43dBm carrier)                      | ≤-150dBc                                    |         |   |                           |                           |                           |
| Impedance (Ω)   | 50  |         |   |                           |                           |                           |
| Max. power per input (W) @50°C                                | 400   |         | 200   |                           |                           |                           |
| RET Model   | TRCU-TQ10P2V01 (Replaceable, Included)      |         |   |                           |                           |                           |
| RET Protocol  | AISG 2.0 SRET                               |         |   |                           |                           |                           |
| Lightning protection  | DC Ground                                   |         |   |                           |                           |                           |

| Mechanical specifications                            |                  |
|--|------------------|
| Connector  | 10x4.3-10 Female |
| Connector position                                   | Bottom           |
| Heightxwidthxdepth (mm)                              | 1450x446x165     |
| Packing size (mm)                                    | 1850x570x335     |
| Antenna weight (kg)                                  | 45               |
| Installation kit weight (kg)                         | 5.4              |
| Packing weight (kg)                                  | 57               |
| Wind load (N,at 150km/h)<br>Frontal/Lateral/Rearside | 728/184/813      |
| 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         |

