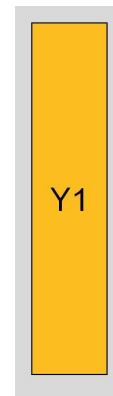
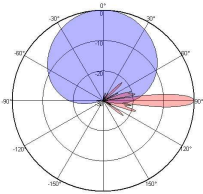


**XPoI 1710~2690MHz 65° 18dBi 2°~12° Integrated and replaceable RCU (Remote Control Unit) Antenna**

| <b>Electrical Specifications</b>                              |              |           |           |           |
|---|--------------|-----------|-----------|-----------|
| Frequency range (MHz)   | Y1-1710~2690 |           |           |           |
|   | 1710~1990    | 1920~2200 | 2200~2490 | 2490~2690 |
| Polarization  | ±45°         |           |           |           |
| Gain at mid tilt (dBi)  | 17.6         | 17.8      | 18.2      | 18.0      |
| Gain over all tilts (dBi)                                     | 17.4±0.5     | 17.6±0.5  | 18.0±0.5  | 17.8±0.5  |
| Horizontal 3dB beamwidth (°)                                  | 68±2.4       | 64±2.3    | 62±1.1    | 63±1.7    |
| Vertical 3dB beamwidth (°)                                    | 7.2±0.4      | 6.3±0.2   | 5.7±0.3   | 5.2±0.4   |
| Front to back ratio (dB)<br>Total power, ±30°                 | >27          | >28       | >28       | >27       |
| Cross polar ratio (dB)<br>(at Boresight)                      | >22          | >22       | >22       | >22       |
| Electrical downtilt (°)                                       | 2~12         |           |           |           |
| Sidelobe suppression (dB)<br>(First sidelobe above main beam) | >18          | >18       | >17       | >16       |
| VSWR  | ≤1.5         |           |           |           |
| Isolation: intra-system (dB)                                  | ≥28          |           |           |           |
| Intermodulation IM3<br>(2×43dBm carrier)                      | ≤-153 dBc    |           |           |           |
| Impedance (Ω)   | 50           |           |           |           |
| Max. power per input (W) @50°C                                | 250          |           |           |           |
| Lightning protection  | Dc Ground    |           |           |           |

| <b>Mechanical Specifications</b>                    |   |
|---|---|
| Connector   | 2×4,3-10-Female   |
| Connector position                                  | Bottom  |
| Height × width × depth (mm)                         | 1360×160×80   |
| Packing size (mm)                                   | 1850×215×155  |
| Antenna weight (kg)                                 | 6.5   |
| Installation kit weight (kg)                        | 4.1   |
| Packing weight (kg)                                 | 12  |
| Wind load (N,at 150km/h)<br>Frontal/Lateral/Maximum | 272/88/304  |
| Max. wind velocity (km/h)                           | 216   |
| Radome material                                     | Fiberglass  |
| Radome color  | Gray  |
| Mechanical tilt (°)                                 | 0~15  |
| Operating temperature (°C)                          | -50~65  |
| Mounting hardware (mm)                              | Φ50~Φ115  |
| <b>Integrated RET Properties</b>                    |   |
| RET model   | TRCU-TM10P1V01  |
| RET type  | Integrated (Replaceable)  |
| RET protocol  | AISG 2.0/3GPP   |
| Power supply(V)                                     | 10-30 DC  |
| Power consumption(W)                                | ≤0.6 (Idle,12V),≤6 (In motion,12V)  |
| Adjustment time (Full Range)                        | < 4Mins   |
| Adjustment cycles                                   | > 50,000  |
| Temperature range (°C)                              | -40~65  |
| Lightning protection                                | 3KA(8/20μs) @ Pin5 & Pin3;<br>5KA(8/20μs) @ Pin1 / Pin6 & Pin7  |
| Connectors  | 2×8 Pin circle connector according to IEC 60130-9 and AISG.<br>Daisy chain in:Male,Daisy chain out:Female<br>Pin1:12V;Pin3:RS485B;Pin5:RS485A;Pin6:10-30V;<br>Pin7:GND;Pin2&Pin4&Pin8:N/C |


**Antenna Pattern Sample For Reference**


1710~2690 MHz

|           |                |
|-----------|----------------|
| Ant Array | RET Unique ID  |
| Y1        | TY00000.....Y1 |