

**XXXPol 698~960MHz/1710~2690MHz×2 65°/65° 11.5/13.8dBi 0°/0° Fixed Electrical Downtilt Antenna**

| <b>Electrical Specifications</b>                              |            |          |          |          |
|---|------------|----------|----------|----------|
| Frequency range (MHz)   | R1-698~960 |          |          |          |
|   | 698~803    | 790~862  | 824~894  | 880~960  |
| Polarization  | ±45°       |          |          |          |
| Gain over all tilts (dBi)                                     | 10.5±0.6   | 10.8±0.6 | 11.2±0.5 | 11.5±0.5 |
| Horizontal 3dB beamwidth (°)                                  | 68±6       | 65±5     | 63±5     | 60±5     |
| Vertical 3dB beamwidth (°)                                    | 27±3       | 25±3     | 22±3     | 19±3     |
| Front to back ratio (dB)<br>Total power, ±30°                 | >20        | >21      | >21      | >22      |
| Cross polar ratio (dB)<br>(at Boresight)                      | >15        | >15      | >17      | >17      |
| Electrical downtilt (°)                                       | 0          |          |          |          |
| Sidelobe suppression (dB)<br>(First sidelobe above main beam) | >12        | >12      | >12      | >12      |
| VSWR  | ≤1.5       |          |          |          |
| Isolation: intra-system (dB)                                  | ≥23        |          |          |          |
| Intermodulation IM3<br>(2×43dBm carrier)                      | ≤-150 dBc  |          |          |          |
| Impedance (Ω)   | 50         |          |          |          |
| Total Power for the Antenna (W)<br>@50°C                      | 400        |          |          |          |
| Lightning protection  | Dc Ground  |          |          |          |

| <b>Electrical Specifications</b>                              |                 |           |           |           |
|---|-----------------|-----------|-----------|-----------|
| Frequency Range (MHz)   | Y1/Y2-1710~2690 |           |           |           |
|   | 1710~1920       | 1920~2200 | 2200~2490 | 2490~2690 |
| Polarization  | ±45°            |           |           |           |
| Gain over all tilts (dBi)                                     | 12.8±0.3        | 13.3±0.5  | 13.5±0.5  | 13.8±0.5  |
| Horizontal 3dB beamwidth (°)                                  | 67±6            | 65±5      | 63±5      | 60±5      |
| Vertical 3dB beamwidth (°)                                    | 20±3            | 18±3      | 17±3      | 16±2      |
| Front to back ratio(dB)<br>Total power, 180°                  | >24             | >25       | >24       | >25       |
| Cross polar ratio (dB)<br>(at Boresight)                      | >15             | >15       | >15       | >15       |
| Electrical downtilt (°)                                       | 0               |           |           |           |
| Sidelobe suppression (dB)<br>(First sidelobe above main beam) | >12             | >13       | >13       | >13       |
| VSWR  | ≤1.5            |           |           |           |
| Isolation: intra-system (dB)                                  | ≥25             |           |           |           |
| Intermodulation IM3<br>(2×43dBm carrier)                      | ≤-150 dBc       |           |           |           |
| Impedance (Ω)   | 50              |           |           |           |
| Max. power per input (W) @50°C                                | 200             |           |           |           |
| Lightning protection  | Dc Ground       |           |           |           |

| Mechanical Specifications    |                 |
|------------------------------|-----------------|
| Connector                    | 6×4.3-10-Female |
| Connector position           | Bottom          |
| Height × width × depth (mm)  | 499×355×165     |
| Packing size (mm)            | 730×460×260     |
| Antenna weight (kg)          | 6.0             |
| Installation kit weight (kg) | 4.3             |
| Packing weight (kg)          | 13              |
| Max. wind velocity (km/h)    | 250             |
| Radome material              | Fiberglass      |
| Radome color                 | Gray            |
| Mechanical tilt (°)          | 0-15            |
| Operating temperature (°C)   | -50~65          |
| Mounting hardware (mm)       | Φ50~Φ115        |



### Antenna Pattern Sample For Reference

