

PicoCell XX Pol 1695-2690MHz*2 65° 18dBi 0-10° Electrical downtilt Outdoor Directional Dual-band Antenna

PIC65D1727B4-18D- E

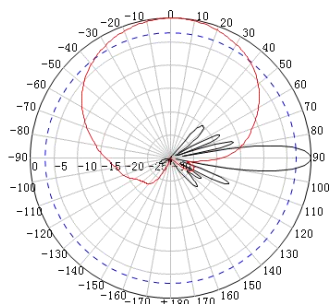
Electrical Specifications

| Frequency range (MHz) | 1695-2690 | | | | |
|------------------------------------|----------------|-----------|-----------|-----------|-----------|
| | 1695-1880 | 1850-1990 | 1920-2200 | 2170-2500 | 2490-2690 |
| Polarization | ±45° | | | | |
| Gain (dBi) | 16.2 | 16.6 | 17.0 | 17.8 | 17.5 |
| Horizontal Beamwidth (°) | 68 | 65 | 62 | 60 | 58 |
| Vertical Beamwidth (°) | 9.0 | 8.5 | 8.3 | 7.0 | 6.5 |
| Electrical Downtilt (°) | 0-10 | | | | |
| 1st Upper Sidelobe Suppression(dB) | ≥15 | | | | |
| Front-To-Back Ratio@180±30° (dB) | ≥25 | | | | |
| Cross-polar Discrimination(dB) | ≥15 (±60°≥8) | | | | |
| Isolation Intra-system (dB) | ≥26 | | | | |
| Impedance (Ω) | 50 | | | | |
| VSWR | ≤1.5 | | | | |
| IM3 (2*43dBm carrier) | ≤150dBc | | | | |
| Maximum Power per Port (W) | 200 | | | | |
| Lighting Protection | DC Grounding | | | | |

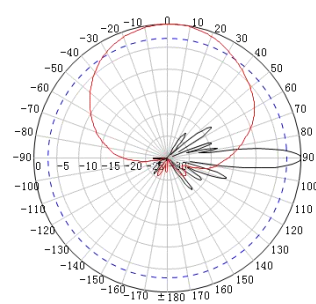
Mechanical specifications

| | |
|--|---------------------------|
| Connector Type | 4 * 7/16DIN Female |
| Connector Location | Bottom |
| Dimensions,L*W*D (mm) | 1080*320*140 |
| Packing Dimensions L*W*D(mm) | 1310*410*265 |
| Antenna Net Weight (kg) | 9.5 |
| Bracket Net Weight(Kg) | 4 |
| Shipping Weight (kg) | 15.5 |
| Radome material and Color | Fiberglass, Light Grey |
| Operational Temperature (°C)/Humidity(%) | -40 to +65 / ≤95% |
| Operational/Max Wind Speed (m/s) | 41 /60 |
| Wind Load@150km/h Frontal /Lateral /Rear side(N) | 425 /170 /446 |
| Mounting kit | JM-900DZA |
| Mechanical tilt (°) | 0-15 |
| Mounting Pole Diameter (mm) | Φ50-115 |
| RET Type | Manual or by optional RCU |

1695-2200MHz: ±45°

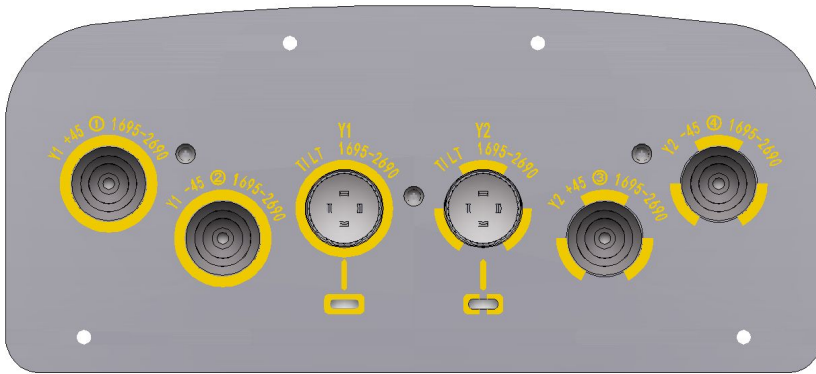


2200-2690MHz:±45°



Connector Position

Outline Drawin



Installation Sketch

Step1: ① Install the M10 bolt and u-shape clamp on the upper and lower brackets of the antenna and pre-tighten the M10 nuts.
② Fastening the brackets to the back of antenna with M10 bolt, torquing the nut to 25N·m.

Step2: Tightening the scale to the upper bracket with the M6 nut, fix the scale to 0 degree position, torquing the nut to 8N·m. (Above steps must be completed under the tower before installing the antenna).

Step3: Installing the antenna vertically to the support pole using M10 bolt, torquing the nut to 25N·m.

Step4: Loosing the scale fixing nut on the upper bracket, adjusting the mechanical downtilt angle of antenna to the suitable angle based on the scale display, then tightening the scale and all the nuts on the bracket.