



WANTENNAX020

Circular polarized antenna 5.5dBi

General Info

This antenna is designed for UHF RFID long range application like portals, vehicles identification, access control or waste management.

Thanks to the circular polarization, the tag read range is independent from the relative tag - antenna orientation.

The enclosure is IP65 rated for outdoor installation.

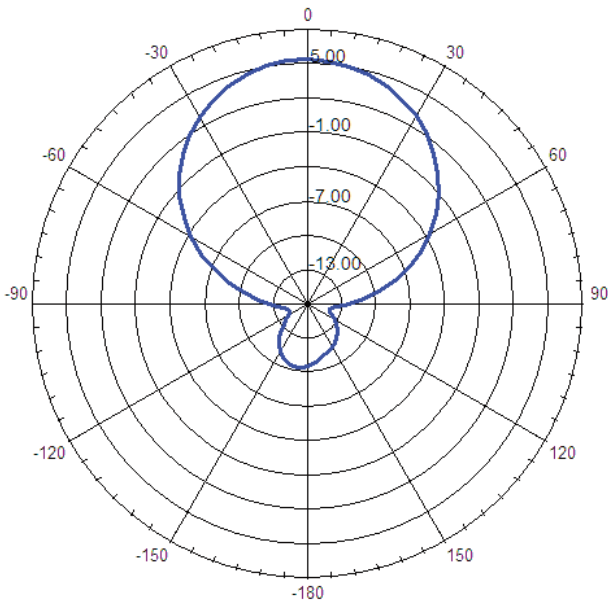
Technical Specifications Table

| Electrical specifications | |
|------------------------------|---|
| Frequency Band | 902 – 928 MHz |
| Polarization | Right Hand Circularly Polarized (RHCP) |
| Gain max. | 5.5 dBi |
| Half-power beamwidth (3dB) | 65° (Elevation) 65° (Azimuth) |
| Front-to-back ratio | 15 dB |
| Axial ratio at boresight | < 2.5 dB |
| VSWR | 1.3:1 |
| Nominal impedance | 50 ohm |
| Power | 4 W e.i.r.p. (FCC Part 15.247) 5 W (max) |
| Lightning protection | Capacitor feed system |
| Mechanical specifications | |
| Dimensions (L x W x D) | 270 x 270 x 75 mm |
| Weight | 1.2 kg |
| Connector | N-m with 30cm RG58 cable |
| Radome | Polystyrene plastic (UV rating) |
| Mounting kit | Aluminium (for pole) |
| Environmental specifications | |
| IP rating | IP65 |
| Operating temperature | -30 to +60 °C |
| Storage temperature | -30 to +60 °C |
| Wind speed | 160 km/h |
| Wind surface | 0.066 m ² |

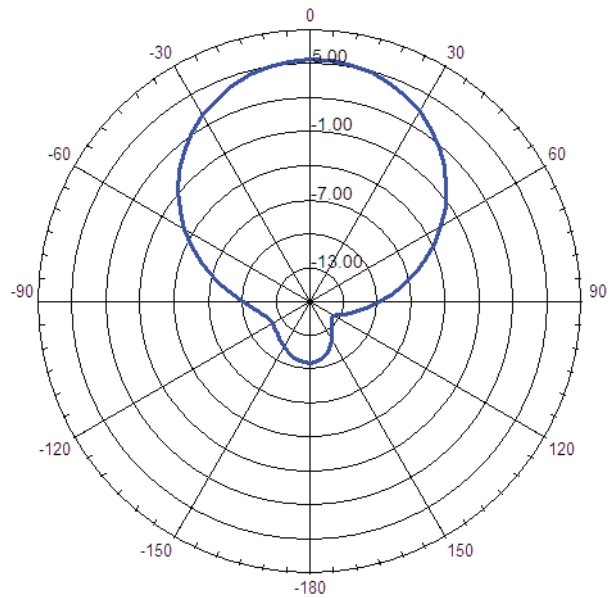
Ordering Options

| Code | Description |
|--------------|---------------------------------------|
| WANTENNAX020 | FCC Circular polarized antenna 5.5dBi |

Total Gain - Azimuth



Total Gain - Elevation



VSWR vs Frequency

