



## WANTENNA X020

### 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.

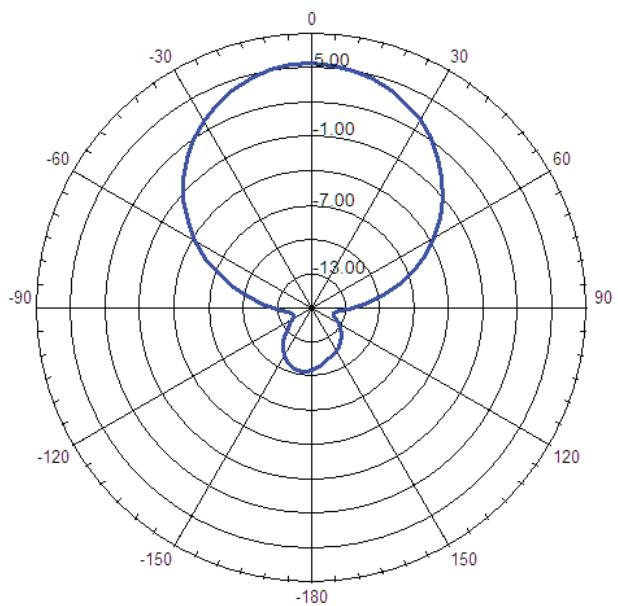
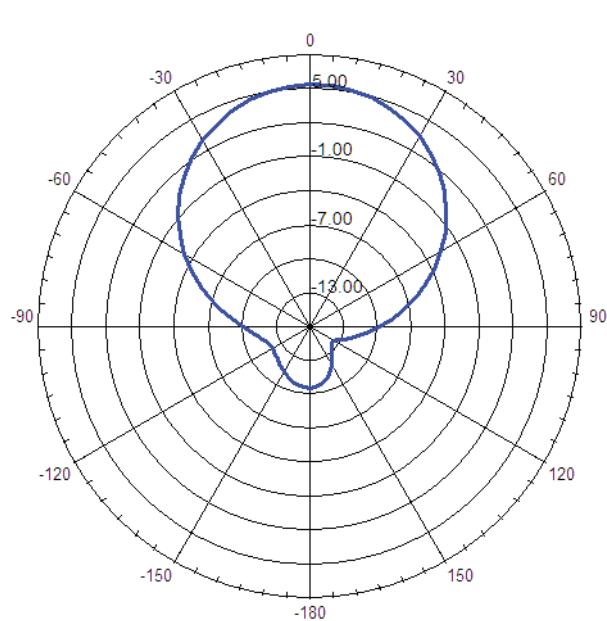
The enclosure is IP65 rated for outdoor installation.

#### 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 <sup>2</sup>

#### Ordering Options

Code	Description
WANTENNA X020	FCC Circular polarized antenna 5.5dBi

**Total Gain - Azimuth****Total Gain - Elevation****VSWR vs Frequency**