



WANTENNAX020

# WANTENNAX020

Circular Polarized Antenna  
8.5dBc - ETSI



## Overview

This antenna is designed for RAIN 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.

## Features

- Designed for RAIN RFID long range applications
- Frequency Range 902÷928 MHz
- Gain 8.5 dBc
- Right Hand Circularly Polarized (RHCP)

## Technical Specification Table

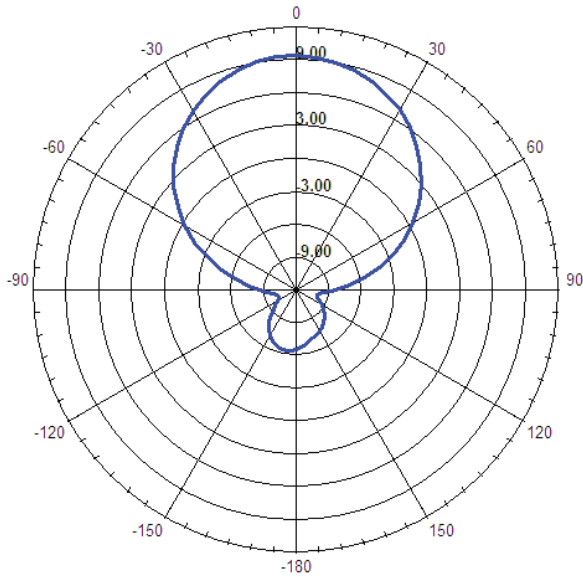
<b>Frequency Range</b>	902÷928 MHz (FCC part 15.247)
<b>Polarization</b>	Right Hand Circularly Polarized (RHCP)
<b>Gain</b>	8.5 dBc
<b>Half-Power Beamwidth (3dB)</b>	65° Elevation - 65° Azimuth (3dB)
<b>Front-to-Back Ratio</b>	15 dB
<b>Axial Ratio at Boresight</b>	2.5 dB
<b>VSWR</b>	1.3:1
<b>Nominal Impedance</b>	50 Ohm
<b>Power</b>	2 W EIRP (FCC part 15.247) - Max. 5W
<b>Lightning Protection</b>	Capacitor feed system
<b>Dimensions</b>	- (L) 270 x (W) 270 x (D) 75 mm <sup>3</sup> - 10.63 x 10.63 x 2.95 inch <sup>3</sup>
<b>Weight</b>	1.2 kg.
<b>Connector</b>	N-m with 30 cm. RG58 cable
<b>Radome</b>	Polystyrene plastic (UV rating)
<b>Mounting Kit</b>	Aluminium (for pole)
<b>IP Rating</b>	IP65
<b>Operating Temperature</b>	-30 °C to +60 °C
<b>Storage Temperature</b>	-30 °C to +60 °C
<b>Wind Surface</b>	0.066 m <sup>2</sup>

## Ordering Options

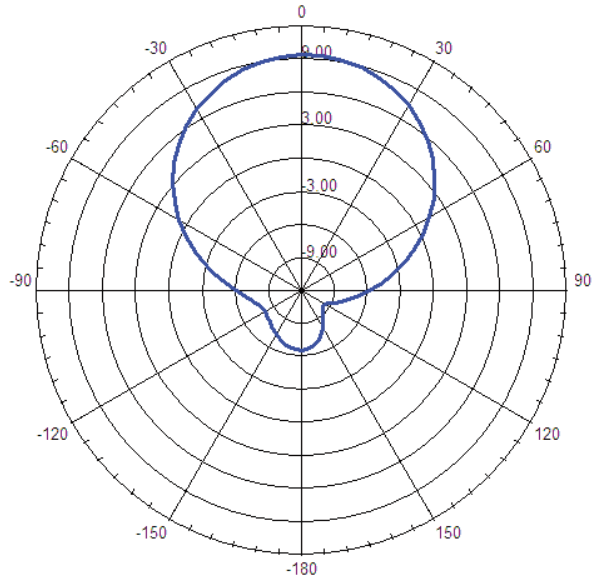
WANTEDNAX020      FCC Circular Polarized Antenna 8.5 dBc

## Details

### Total Gain - Azimuth



### Total Gain - Elevation



### VSWR vs Frequency

