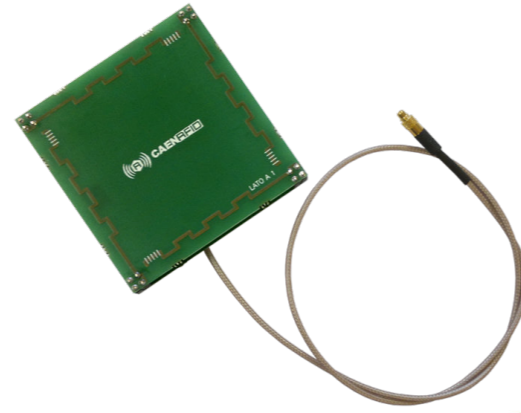
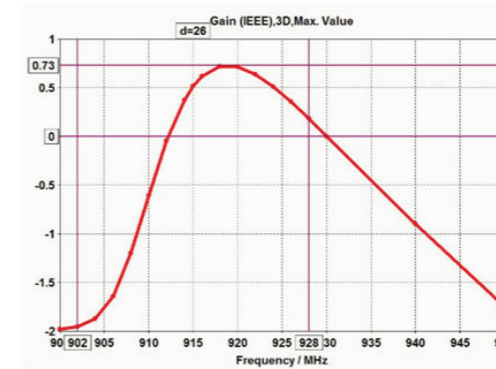


Quad - WANT021

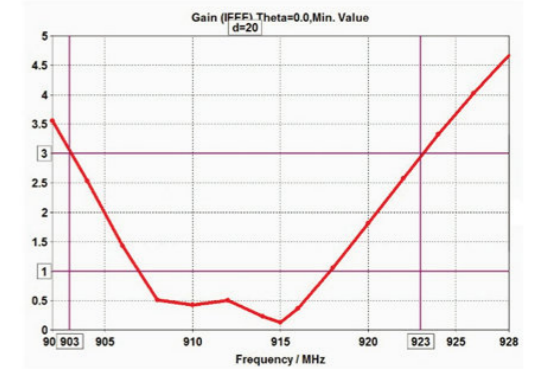
**Circular Polarized
Quadrifilar Antenna
FCC**



Antenna Gain



Axial Ratio



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.

Technical Specification Table

| | |
|--------------------------|---|
| Frequency Range | 902÷928 MHz (FCC part 15.247) |
| Polarization | Right Hand Circularly Polarized (RHCP) |
| Gain | 0.7 dBi typical |
| Axial Ratio | 1 dB typical |
| VSWR | <1.5:1 |
| Nominal Impedance | 50 Ohm |
| Dimensions | - (L) 60 x (W) 60 x (D) 9 mm ³ - 2.36 x 2.36 x 0.35 inch ³ |
| RF Connector | - SMA plug male, straight (Mod. WANT020XASMA) - MMCX plug male, straight (Mod. WANT020XMMCX) - U.FL plug male, socket (Mod. WANT020XAUFL) - RP-TNC plug male, straight (Mod. WANT020XTNCR) |
| RF Cable | - Diameter: 2.6 mm; Length: 50 cm. (Mod. WANT020XASMA) - Diameter: 1.8 mm; Length: 40 cm. (Mod. WANT020XMMCX) - Diameter: 1.4 mm; Length: 20 cm. (Mod. WANT020XAUFL) - Diameter: 2.5 mm; Length: 100 cm. (Mod. WANT020XTNCR) |

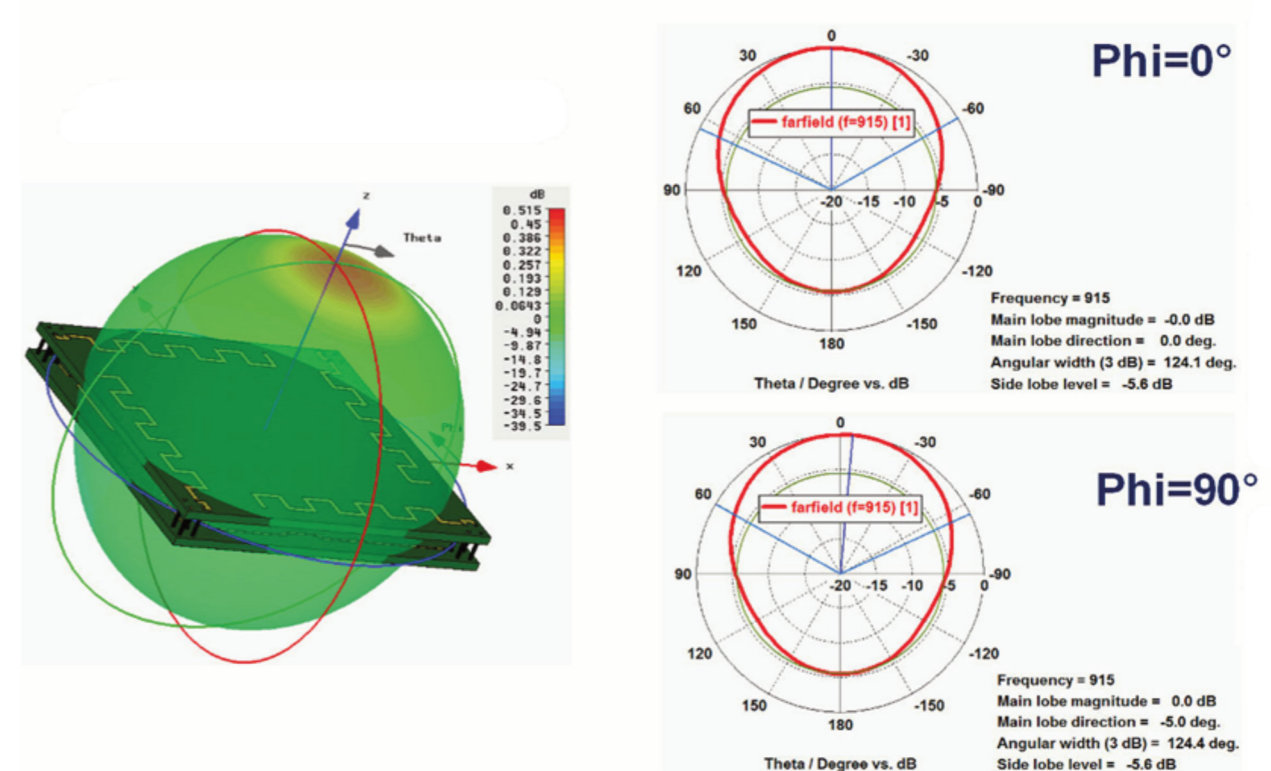
Features

- Designed for RAIN RFID long range applications
- Frequency Range 902÷928 MHz
- Gain 0.7 dBi
- Right Hand Circularly Polarized (RHCP)

Ordering Options

| | | | |
|---------------------|-----------------------------|----------------------|-------------------------------|
| WANT021XASMA | Quad - SMA Connector - FCC | WANT021XAUFL | Quad - U.FL Connector - FCC |
| WANT021XMMCX | Quad - MMCX Connector - FCC | WANT021XTNCRP | Quad - RP-TNC Connector - FCC |

Radiation Patterns



Mechanical Dimensions

