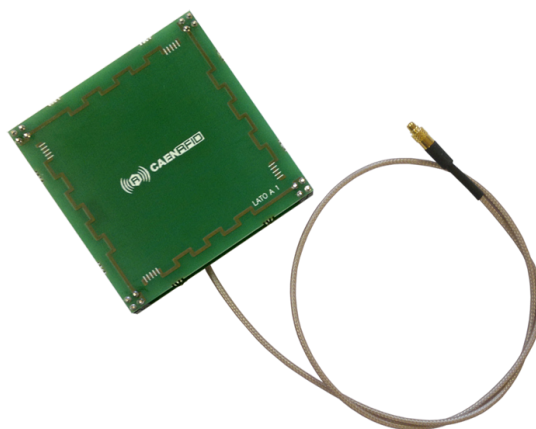




WANT021

Quad

Circular Polarized Quadrifilar Antenna (FCC)



Overview

High performing quadrifilar, circular polarized RAIN RFID antenna in compact size. The **Quad** antenna is well suited to be integrated in long reading range portable devices.

The **Quad** antenna can be also used to implement compact fixed reading point with medium reading range capability.

Thanks to the circular polarization, the reading range is not affected by the tag orientation.

Features

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

Technical Specification Table

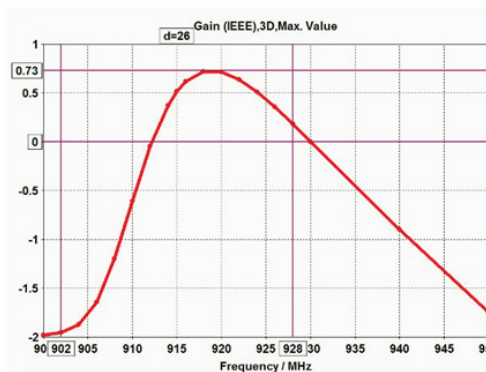
Frequency Range	902÷928 MHz (FCC part 15.247)
Polarization	Right Hand Circularly Polarized (RHCP)
Gain	0.7 dBi typical
Axial Ratio	1 dB typical
VSWR	<1.5:1
Nominal Impedance	50 Ohm
Dimensions	• (L) 60 x (W) 60 x (D) 9 mm³ • 2.36 x2.36 x 0.35 inches³
RF Connector	• SMA plug male, straight (Mod. WANT021XASMA) • MMCX plug male, straight (Mod. WANT021XMMCX) • U.FL plug male, socket (Mod. WANT021XAUFL) • RP-TNC plug male, straight (Mod. WANT021XTNCR)
RF Cable	• Diameter: 2.6 mm; Length: 50 cm (Mod. WANT021XASMA) • Diameter: 1.8 mm; Length: 40 cm (Mod. WANT021XMMCX) • Diameter: 1.4 mm; Length: 20 cm (Mod. WANT021XAUFL) • Diameter: 2.5 mm; Length: 100 cm (Mod. WANT021XTNCR)

Ordering Options

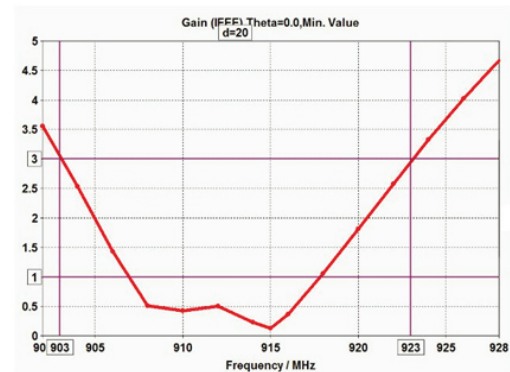
WANT021XASMA	Quad - SMA Connector - FCC	WANT021XAUFL	Quad - U.FL Connector - FCC
WANT021XMMCX	Quad - MMCX Connector - FCC	WANT021XTNCRP	Quad - RP-TNC Connector - FCC

Details

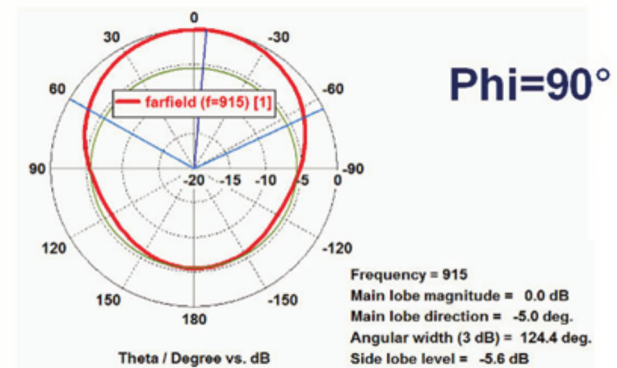
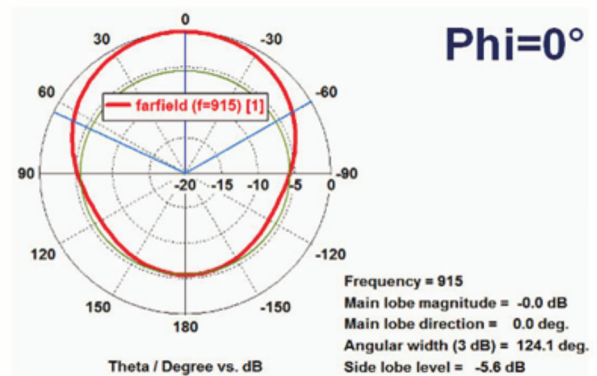
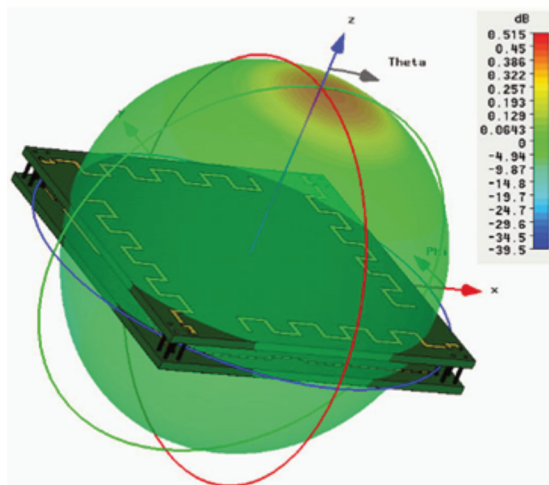
Antenna Gain



Axial Ratio



Radiation Patterns



Mechanical Dimensions

