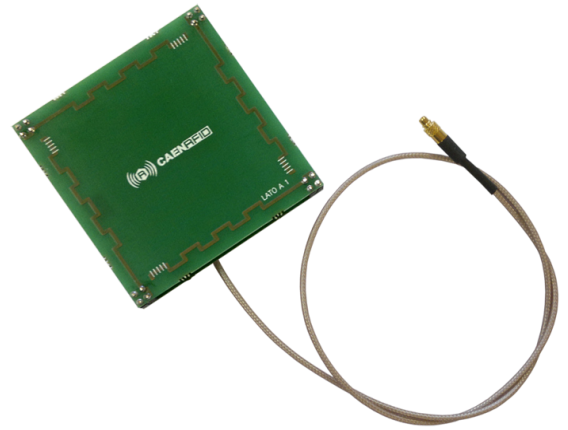




WANT020

Quad

Circular Polarized Quadrifilar Antenna (ETSI)



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 portable and short/medium range applications
- Frequency Range 865.6÷867.6 MHz
- Gain 0.2 dBi
- Circular Polarization

Technical Specification Table

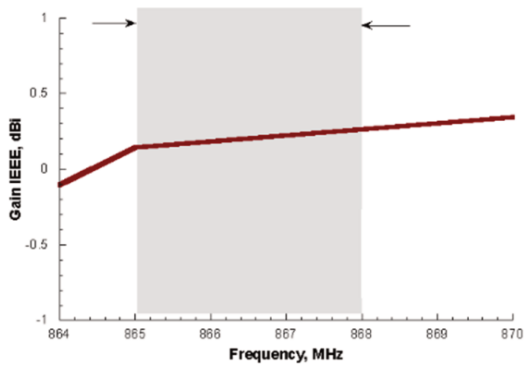
Frequency Range	865.6÷867.6 MHz (ETSI EN 302 208 v. 3.1.1)
Polarization	Right Hand Circularly Polarized (RHCP)
Gain	0.2 dBi typical
Axial Ratio	1 dB typical
VSWR	<1.5:1
Nominal Impedance	50 Ohm
Dimensions	(L) 60 x (W) 60 x (D) 9 mm ³ 2.36 x 2.36 x 0.35 inch ³
RF Connector	- SMA plug male, straight (Mod. 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)

Ordering Options

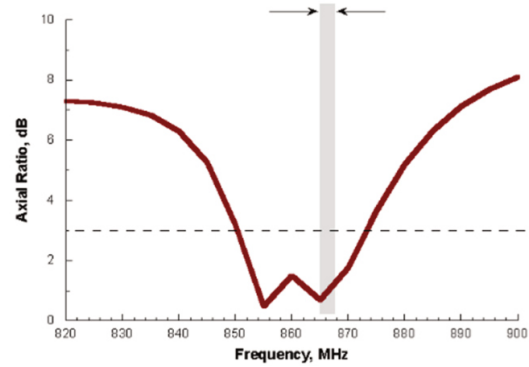
WANT020XASMA	Quad - SMA Connector - ETSI	WANT020XAUFL	Quad - U.FL Connector - ETSI
WANT020XMMCX	Quad - MMCX Connector - ETSI	WANT020XTNCRP	Quad - RP-TNC Connector - ETSI

Details

Antenna Gain

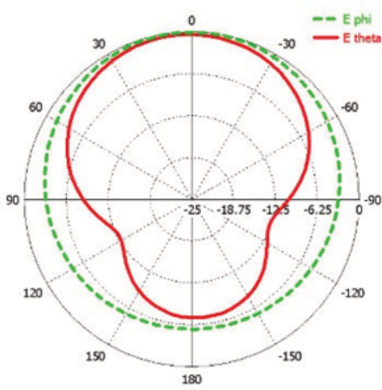


Axial Ratio

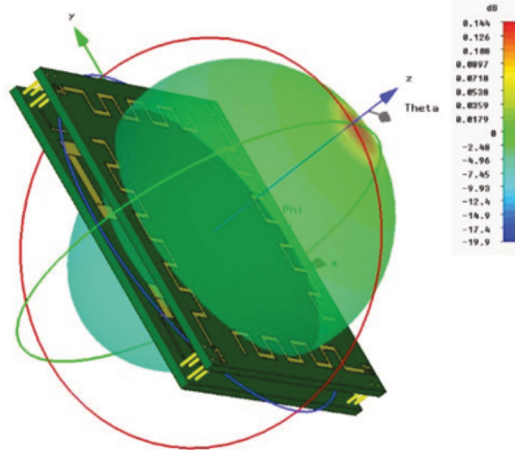
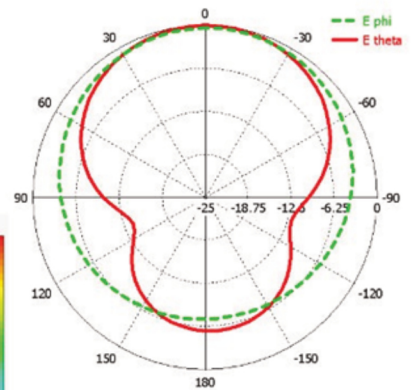


Radiation Patterns

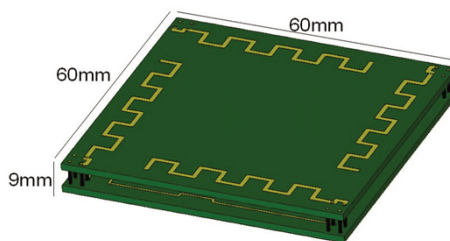
phi = 0



phi = 90



Mechanical Dimensions



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