

QUAD - WANT021

Circular Polarized Quadrifilar Antenna FCC

Features

- Designed for RAIN RFID portable applications
- 902 ÷ 928 MHz
- 0.7 dBi gain
- Circular Polarization

General Info

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.

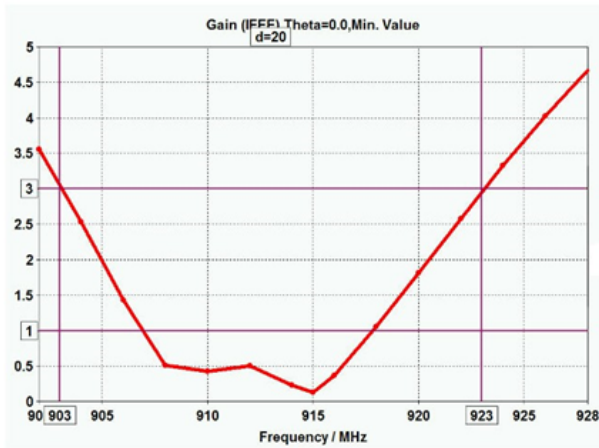
Technical Specifications Table

Frequency Range	902÷928 MHz (FCC part 15.247)
Polarization	Circular (RHCP)
Gain	0.7dBi typ.
Axial Ratio	1dB typ.
Dimensions	(W) 60 x (L) 60 x (H) 9 mm ³ (2.36 x 2.36 x 0.35 inch ³)
Standard Compliance	EPC C1 G2 / ISO18000-63
Impedance	50 Ohm
VSWR	<1.5:1
RF Cable	<ul style="list-style-type: none"> – 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)

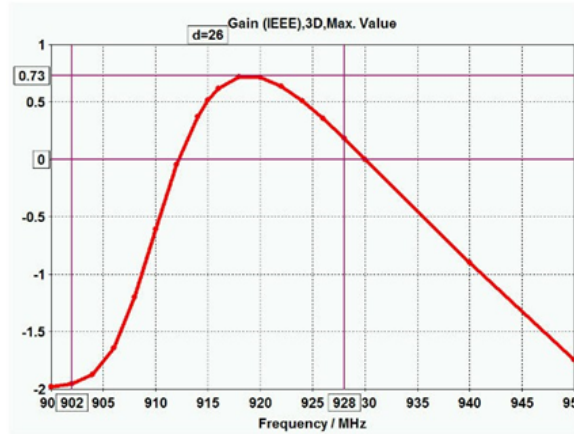
Ordering Options

Code	Description
WANT021XASMA	ANT021/SMA Quad Circular polarized quadrifilarantenna (FCC) - SMA
WANT021XAUFL	ANT021/UFL - Quad - Circular polarized quadrifilarantenna (FCC) - U.FL
WANT021XMMCX	ANT021/MMCX - Quad - Circular polarized quadrifilar antenna (FCC) - MMCX
WANT021XTNCR	ANT021/TNCRP - Quad - Circular polarized quadrifilar antenna (FCC) - TNC/RP

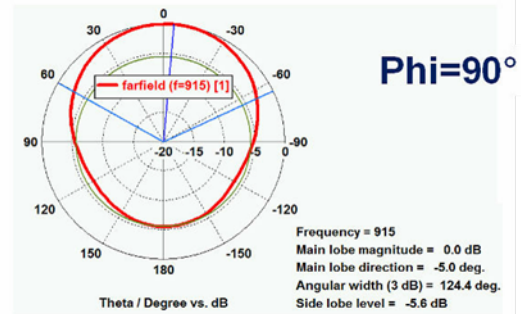
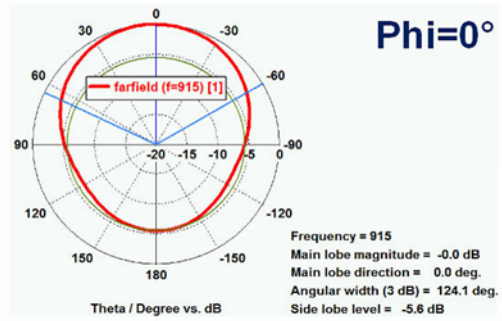
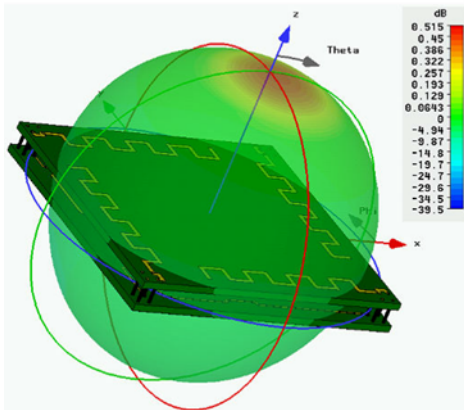
Antenna Gain



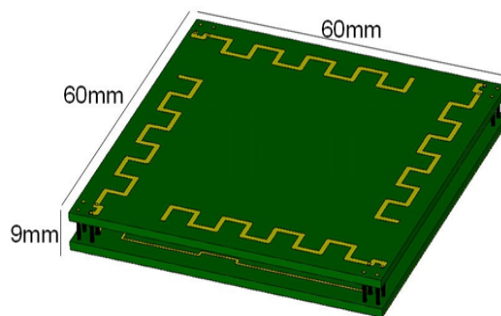
Axial Ratio



Radiation Patterns



Mechanical Dimensions



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