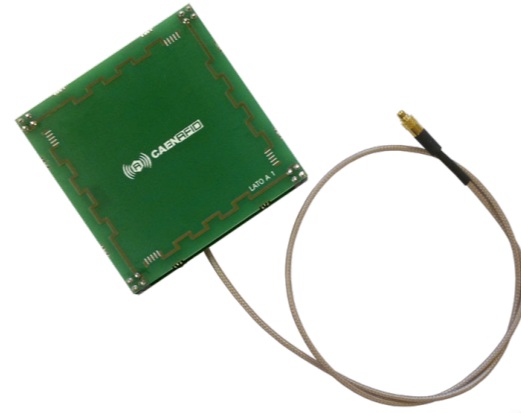
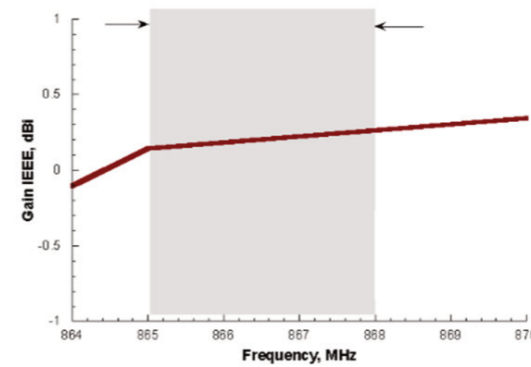


# Quad - WANT020

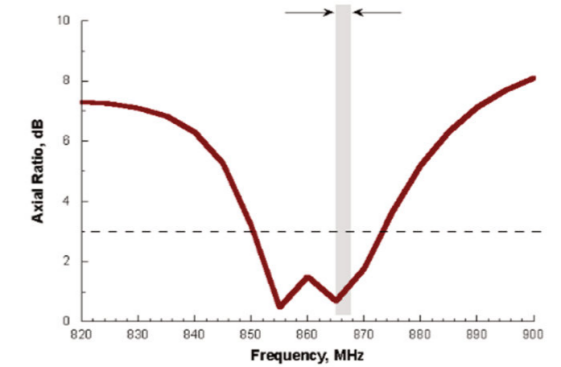
## Circular Polarized Quadrifilar Antenna ETSI



Antenna Gain



Axial Ratio



### 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.

### Technical Specification Table

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

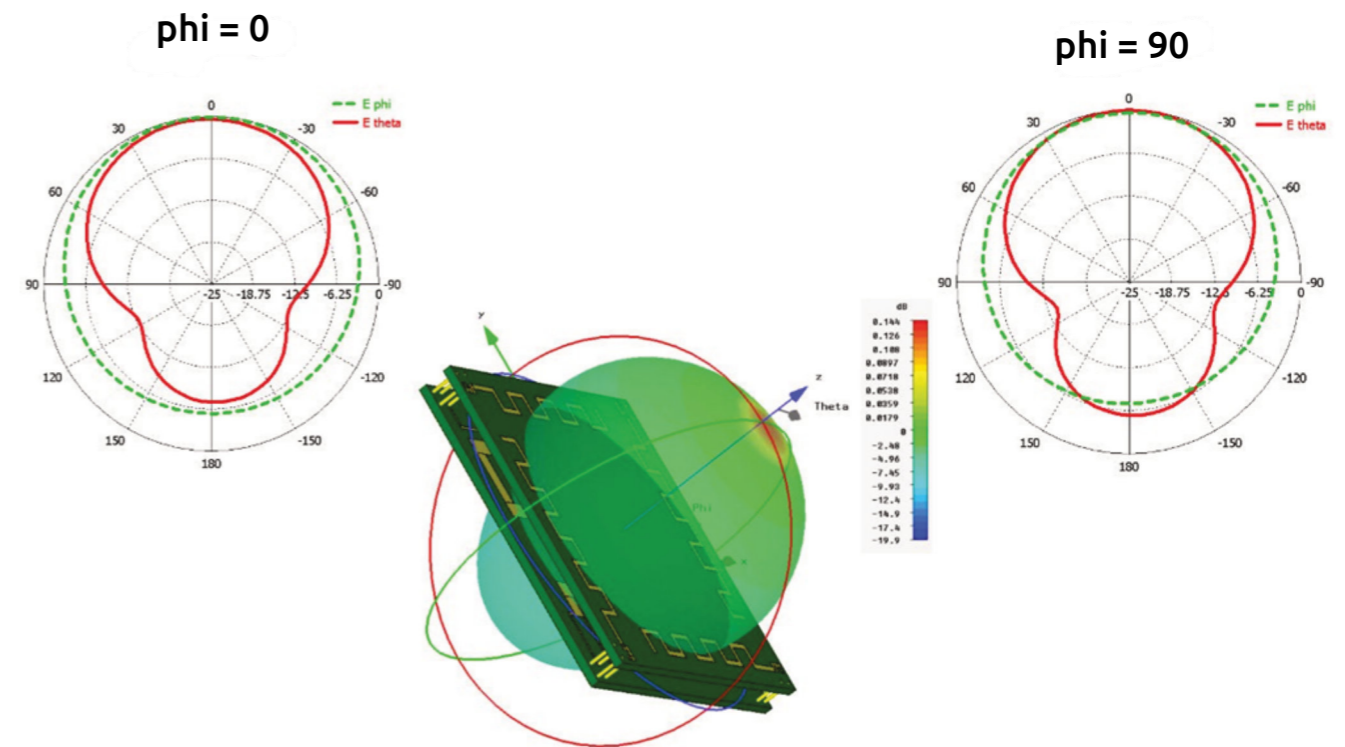
### Features

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

### Ordering Options

<b>WANT020XASMA</b>	Quad - SMA Connector - ETSI	<b>WANT020XAUFL</b>	Quad - U.FL Connector - ETSI
<b>WANT020XMMCX</b>	Quad - MMCX Connector - ETSI	<b>WANT020XTNCRP</b>	Quad - RP-TNC Connector - ETSI

### Radiation Patterns



### Mechanical Dimensions

