

## QUAD - WANT020

### Circular Polarized Quadrifilar Antenna ETSI

#### Features

- Designed for RAIN RFID portable applications
- 865.6 ÷ 867.6 MHz
- 0.2 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.

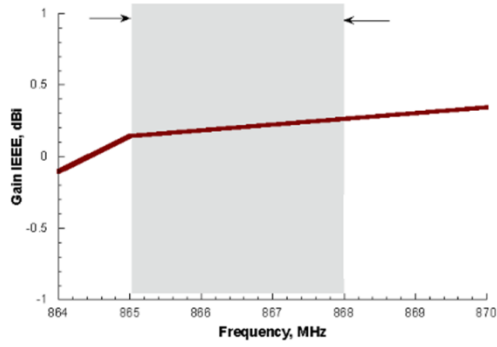
#### Technical Specifications Table

Frequency Range	865.6÷867.6 MHz (ETSI EN 302-208 v3.1.1)
Polarization	Circular (RHCP)
Gain	0.2dBi typ.
Axial Ratio	1dB typ.
Dimensions	(W) 60 x (L) 60 x (H) 9 mm <sup>3</sup> (2.36 x 2.36 x 0.35 inch <sup>3</sup> )
Impedance	50 Ohm
VSWR	<1.5:1
RF Cable	<ul style="list-style-type: none"> <li>– Diameter: 2.6 mm; Length: 50 cm (Mod. WANT020XASMA)</li> <li>– Diameter: 1.8 mm; Length: 40 cm (Mod. WANT020XMMCX)</li> <li>– Diameter: 1.4 mm; Length: 20 cm (Mod. WANT020XAUFL)</li> <li>– Diameter: 2.5 mm; Length: 100 cm (Mod. WANT020XTNCR)</li> </ul>
RF Connector	<ul style="list-style-type: none"> <li>– SMA Plug Male, Straight (Mod. WANT020XASMA)</li> <li>– MMCX Plug Male, Straight (Mod. WANT020XMMCX)</li> <li>– U.FL Plug Female Socket, Right Angle (Mod. WANT020XAUFL)</li> <li>– RP-TNC Plug Male, Straight (Mod. WANT020XTNCR)</li> </ul>

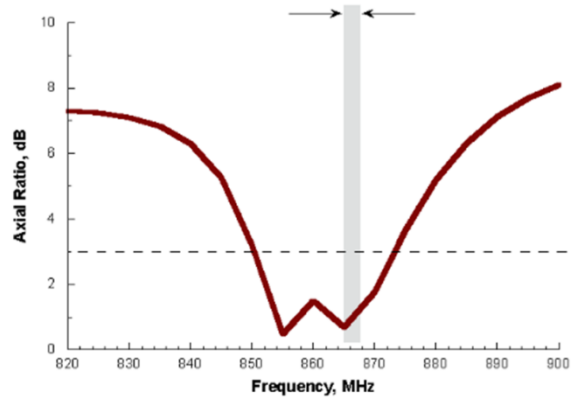
#### Ordering Options

Code	Description
WANT020XASMA	ANT020/SMA Quad Circular polarized quadrifilarantenna (ETSI) - SMA
WANT020XAUFL	ANT020/UFL - Quad - Circular polarized quadrifilarantenna (ETSI) – U.FL
WANT020XMMCX	ANT020/MMCX - Quad - Circular polarized quadrifilar antenna (ETSI) - MMCX
WANT020XTNCR	ANT020/TNCRP - Quad - Circular polarized quadrifilar antenna (ETSI) - TNC/RP

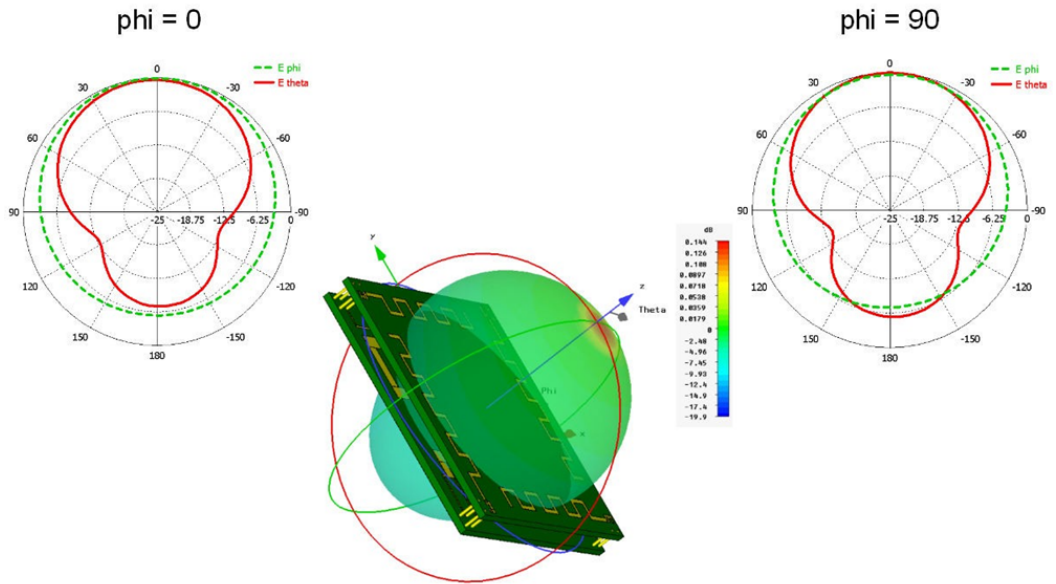
### Antenna Gain



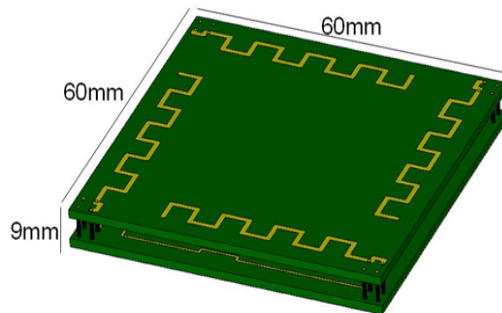
### Axial Ratio



### Radiation Patterns



### Mechanical Dimensions



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