

Annex no. 12

Antenna Description

RML-HFANT500/300-B

Antenna Feature and Specifications

The antenna RML-HF-ANT500/300-B is a single loop antenna with pre-set matching circuit. It has been optimized as a transmitting and receiving antenna for RFID transceiver with working frequency of 13.56MHz and output impedance of 50 Ohm. The maximum power input to this antenna is 4W.

The antenna has been factory calibrated to impedance of 50 Ohm. During installation, it may be re-tuned for a defined range with the help of jumpers. The antenna re-tuning must be conducted by qualified personnel.

The antenna is suitable for both object and personal identification. The preferred direction of a transponder is parallel to the antenna. The best position to obtain a maximum range is above the center of the antenna.



Specifications

Mechanical Data

- Antenna Material ¼'' Copper Tube
- Dimension 490mm x 315mm
- Color Brown

Electrical Data

- Maximum transmitting power 8W
- Admissible transmitting power 1.5W
- Operating frequency 13.56MHz
- Working range Maximum 55cm
- Antenna connection 1 SMA Male (50ohm)
- Cable Length 3.6meter

Ambiance Conditions

- Temperature range
 - Operation -25°C to +55°C
 - Storage -25°C to +60°C
- Applicable Standards IC RSS-210, FCC Part 15

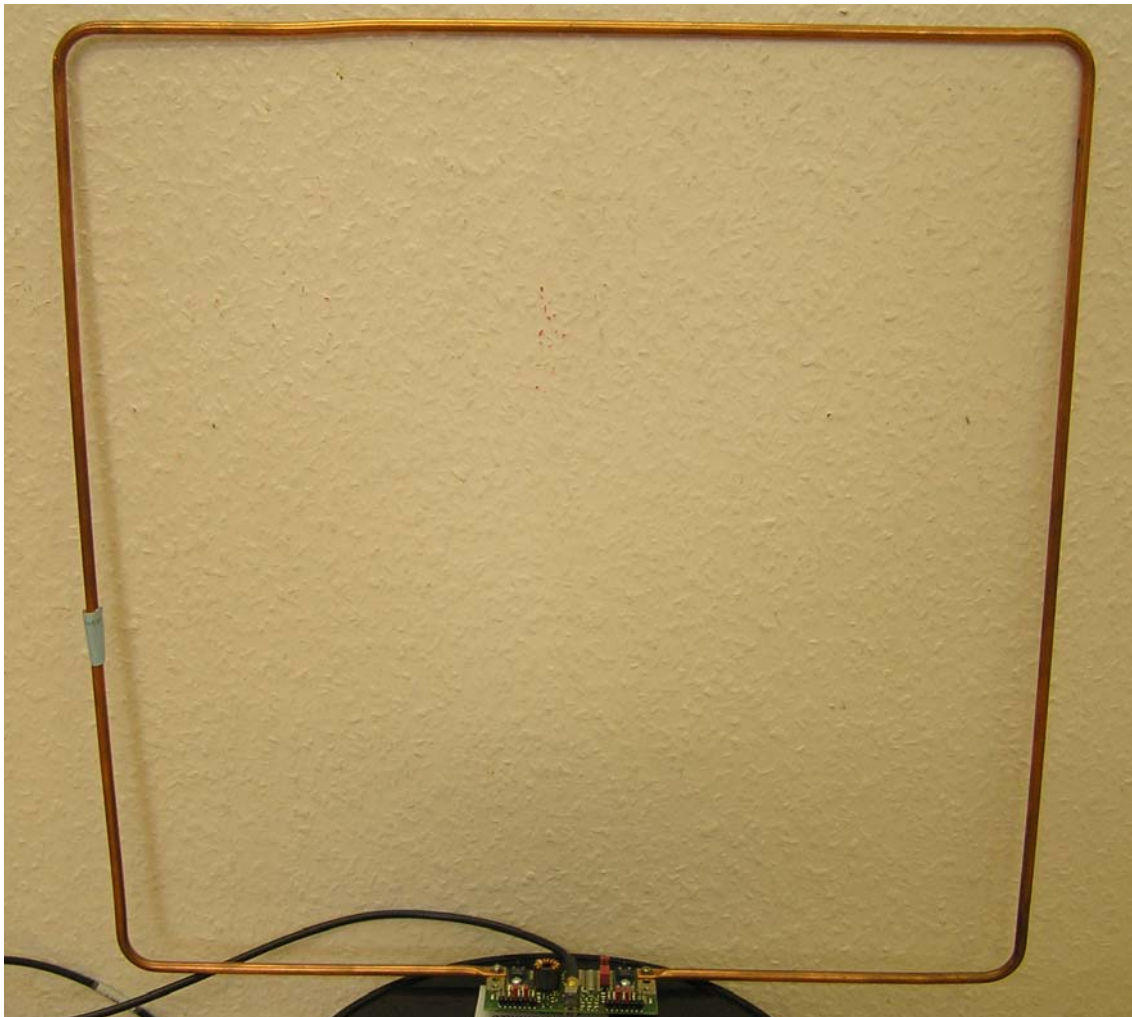
RML-HFANT500/500-B

Antenna Feature and Specifications

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