ANT7-T-M24LR04E

14 mm x 14 mm antenna reference board for the M24LR04E-R dual interface EEPROM

Data brief

Features

- Ready to use printed circuit board including:
  - M24LR04E-R dual interface EEPROM
  - 14 mm x 14 mm, 13.56 MHz dual layer etched antenna
  - I2C test points
  - RF WIP/BUSY output (RF) to indicate an ongoing RF operation

- Analog Energy Harvesting output (EH)

Table 1. Device summary

Reference	Order code
ANT7-T-M24LR04E	ANT7-T-M24LR04EA

Description

The ANT7-T-M24LR04E antenna reference board is a ready-to-use PCB that features an M24LR04E-R dual interface EEPROM connected to a 14 mm x 14 mm, 13.56 MHz etched RF double layer antenna on one side, and to an I2C bus on the other side.

The ANT7-T-M24LR04E demonstration board allows system designers to evaluate the M24LR04E-R performance and capabilities, and to get started with their design.
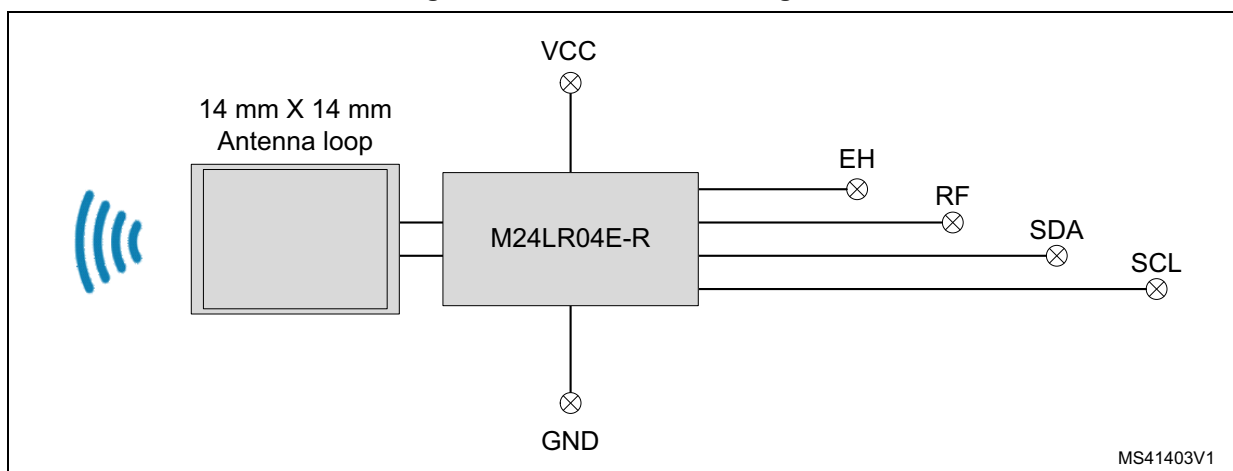
To demonstrate the energy harvesting function, the ANT7-T-M24LR04E can be used in conjunction with the ST DEMO-CR95HF-A board.

The ANT7-T-M24LR04E design and the Gerber files can be downloaded from *www.st.com*.

Figure 1. Functional block diagram

www.st.com

1   Revision history

Table 2. Document revision history

Date	Revision	Changes
26-Apr-2016	1	Initial release.
16-Jun-2016	2	Updated *Table 1: Device summary*.

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