# 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

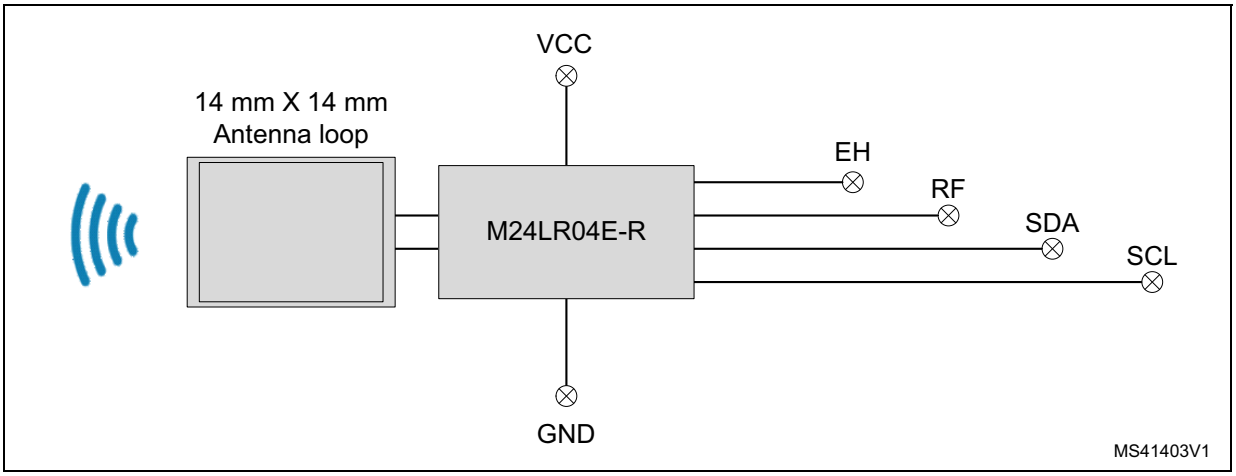
The ANT7-T-M24LR04E antenna reference board is a ready-to-use PCB that features an M24LR04E-R dual interface EEPROM connected to a 14 mm x 14 mm, 13.56 MHz etched RF double layer antenna on one side, and to an I2C bus on the other side.

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**



# 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*. |