
Antenna Matching Tool for ST25R NFC/HF reader family

Data brief**Features**

- The STSW-ST25R004 Antenna Matching Tool calculates the matching network for the antennas connected to the devices of ST25R family.
- The STSW-ST25R004 software uses Qucs (Quite Universal Circuit Simulator), to simulate the antenna and matching network characteristics.
- The software supports the following products: ST25R3910, ST25R3911, ST25R3911B, ST25R3912, ST25R3913, ST25R3914 and ST25R3915.

Description

The STSW-ST25R004 software contains a GUI (Graphical User Interface), to specify the antenna parameters and the target matching. It uses Qucs to perform transient, AC, and S-parameter simulations of the calculated antenna schematic.

AN4974 provides guidance on how to measure the antenna parameters required as input for the STSW-ST25R004 Antenna Matching Tool. With these inputs a proper matching circuit can be calculated.

1 Revision history

Table 1. Document revision history

| Date | Revision | Changes |
|-------------|----------|------------------|
| 05-Jul-2017 | 1 | Initial release. |

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