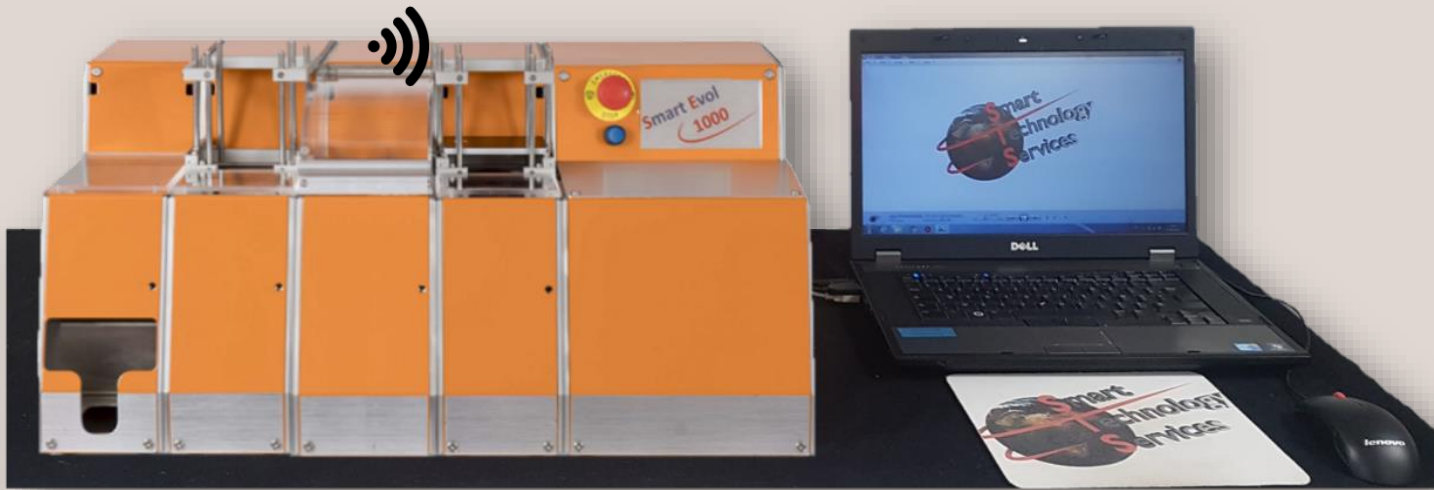


SE1000 for Resonance Frequency measurement & test



Based on Smartware CLT solution for parametric testing

Supports

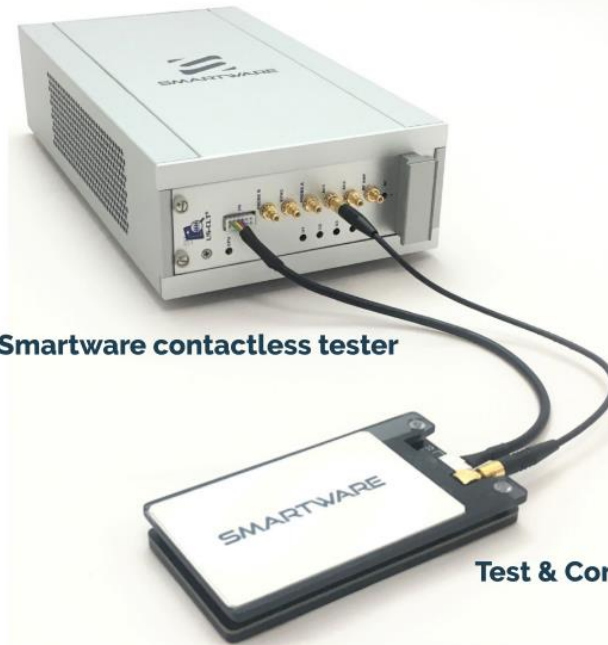
- Resonance Frequency measurement
- Q (Quality) Factor measurement
- ATS & Reading distance
- Contactless chip encoding
- Complies with QCM requirements from Master Card
- Easy settings, production views and individual card testing thanks to User-Friendly screens

SE1000 for Resonance Frequency measurement & test

MasterCard, Visa and other Financial cards issuers require to Card Manufacturers or bureaus to have their cards tested as per their quality requirements, such as QCM (Card Quality Management) from MasterCard.

The solution implemented on the SE1000 for contactless cards is based on Smartware package ensuring a complete coverage of required tests related to electromagnetic characteristics and RF functional tests:

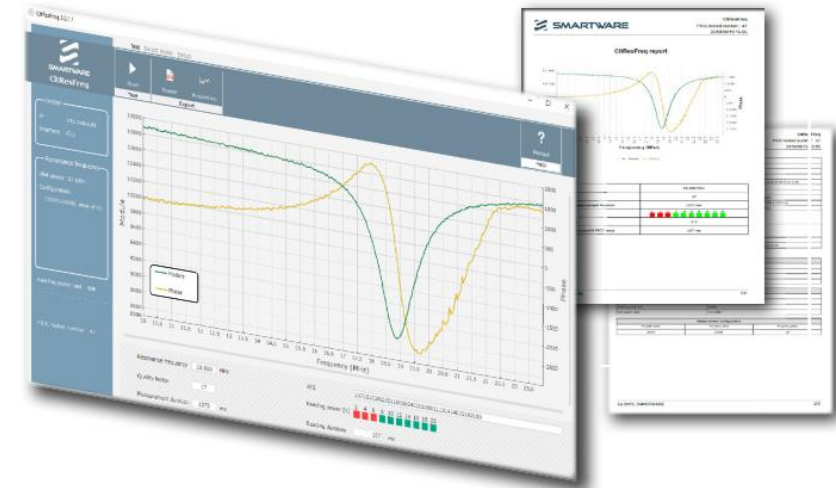
- Resonance frequency
- Quality factor
- ATS & Reading distance



Smartware contactless tester

Test & Communication antenna

Software for Resonance frequency Q factor measurement, and reading ATS



Smartware contactless tester specifications

Communication contactless interface for both chip card module and contactless card

- ISO 14443-3/4 type A/B up to 848 Kbps, ISO 15693
- Proprietary format: Mifare™, Mifare+™, FeliCa™, I·Code™
- Envelope data acquisition and timing measurement (optional)

Parametric tests for CQM test

- Resonance frequency & Q Factor from 150ms to 1.8s depending of the measurement ranges
- ATS & Reading distance