

EMV Level 1 Secure Payment Testing

Keysight Technologies and FIME

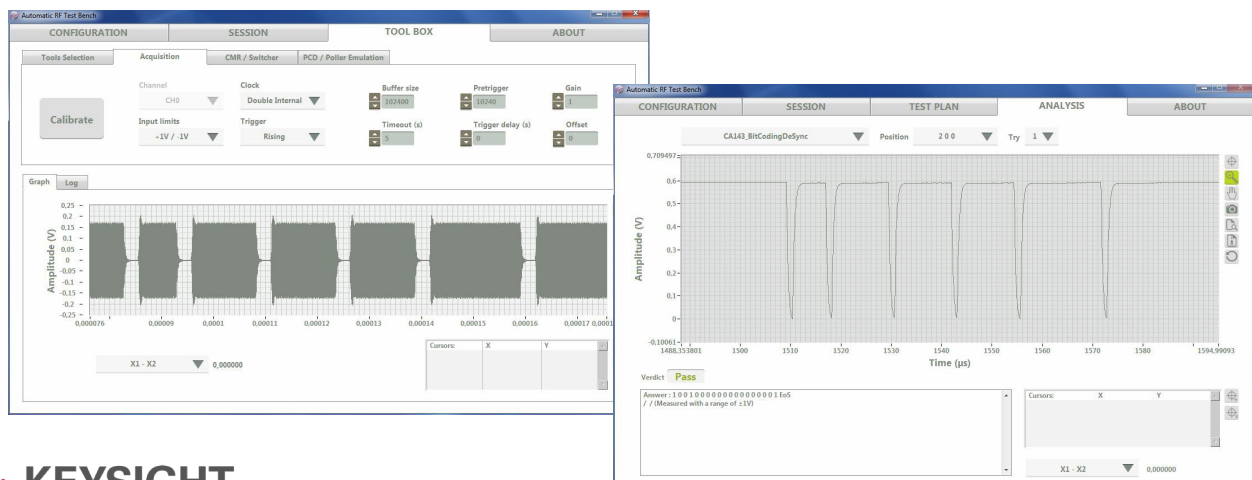
Achieve comprehensive secure payment testing to EMV, NFC and ISO standards.

The development of mobile near-field communication (NFC) payment systems creates significant security and interoperability challenges. To ensure that remote payments systems are effective and secure requires a rigorous testing regime for payment cards, smart mobile devices and point of sales terminals. EMVCo, the NFC Forum and ISO set the standards that define the test approaches for the industry.

FIME, a world-leader in secure payment testing, provides a comprehensive testing solution based on the Keysight Technologies T3111S NFC Conformance Test System. The system combines FIME EMV™ Level 1 RF test suites with Keysight EMV Level 1 Digital Protocol, NFC Forum and ISO test suites. As a result the conformance test system supports all relevant card, mobile device and terminal test plans within a single automated platform. The system is fully qualified by EMVCo for EMV Level 1, including PICC/Mobile and PCD for both Analog and Digital test plans.

The Keysight T3111S NFC Conformance Test system is used worldwide by test laboratories and device & chipset makers for development, verification and conformance test. The system has been also validated by the NFC Forum and complies with the complete NFC Forum test plan including Analog, Digital, LLCP and SNEP parts. By selecting the appropriate FIME or Keysight software application, users can execute a full range of NFC, EMV and ISO test suites on a single test system with the guarantee of using a qualified solution.

- EMV 2.3.1a & 2.5 Level 1 RF/Analog and Digital Protocol Testing
- NFC Forum Analog, Digital Protocol, LLCP, SNEP, ISO RF 14443 v2011
- Easy-to-use test automation software with standards based test suites
- Interactive RF Analog and Digital Virtual Front Panel application for R&D and debug
- Full EMVCo qualification for EMV Level 1 v2.3.1a & v2.5 testing
- Support for Keysight and FIME Automatic Positioning Robots
- Worldwide support and consulting from FIME and Keysight experts



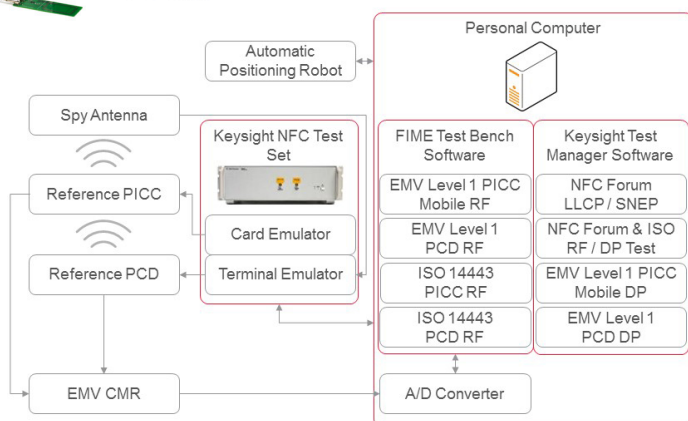
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The FIME system adds specialized EMV RF testing accessories and EMVCo approved antennas to the T3111S to align with EMV Level 1 specifications. FIME's test manager and test libraries automate the T3111S to execute EMV RF test cases.

The test system provides automated and accurate antenna positioning to EMV requirements with either the Keysight T1142A automatic positioning robot or FIME robots. The use of a robot makes it possible to speed testing and improve the repeatability of test results.



With the FIME test system based on the Keysight T3111S you can achieve comprehensive testing of smart cards, mobile devices and terminals to EMV, NFC and ISO standards ensuring complete interoperability and security of remote payment services.



System Components

Keysight Technologies

T3111S	EMV/NFC Conformance Test System
T1142A	Automatic Positioning Robot

FIME

EMV Antennas, PC, rack and accessories
Automatic Positioning 3 Axis Robot
FIME 6-Axis Robot
EMV PICC/Mobile and PCD Level 1 RF/Analog test suite
ISO PICC/Mobile and PCD Level 1 RF test suite
Training, installation and consulting services

To learn how this solution can address your specific needs please contact
Keysight's solutions partner,
FIME
www.keysight.com/find/fime



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Keysight and its Solutions Partners work together to help customers meet their unique challenges, in design, manufacturing, installation or support. To learn more about the program, our partners and solutions go to

www.keysight.com/find/solutionspartner

FIME is a consultant and end-to-end testing services provider within the payment, mobile telecom, e-ID and transit sectors. FIME has extensive EMV testing expertise working with technology providers, banks and authorities to develop the testing frameworks for international and domestic EMV-compliant payment schemes.

www.fime.com

For information on Keysight Technologies' products, applications and services, go to

www.keysight.com

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