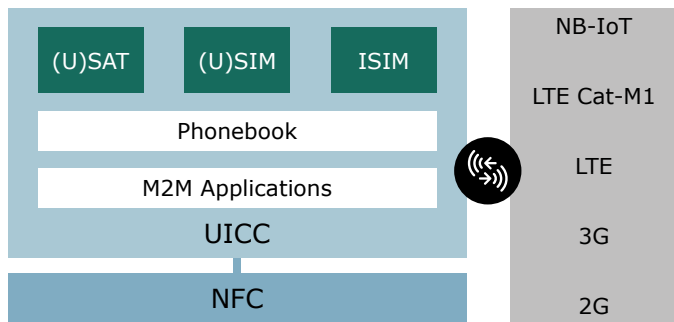


# INTERLAB<sup>®</sup> TEST SOLUTION DEVICE/UICC CONFORMANCE TESTER FOR 2G, 3G, LTE, LTE CAT-M1 AND NB-IOT

Test House | Systems House | Software House

The Interlab<sup>®</sup> Test Solution DEVICE/UICC is ideally suited to handle highly complex test set-ups, necessary to verify terminal/UICC interface and NFC conformance requirements. These are geared to ensure interoperability between a cellular network, a wireless device and its UICC, independent of the device manufacturer, card issuer or network operator.

The UICC and its (U)SIM/(U)SAT/ISIM applications play a central role in data security and other added services, covering tasks such as authentication handling, mobility management, call control handling, closed subscriber group handling, short messages services etc.



By jointly controlling an integrated UICC/SIM simulator and a network emulator, the cost efficient Interlab<sup>®</sup> Test Solution DEVICE/UICC verifies wireless device software implementations, necessary to support (U)SIM, (U)SAT, ISIM and NFC applications.

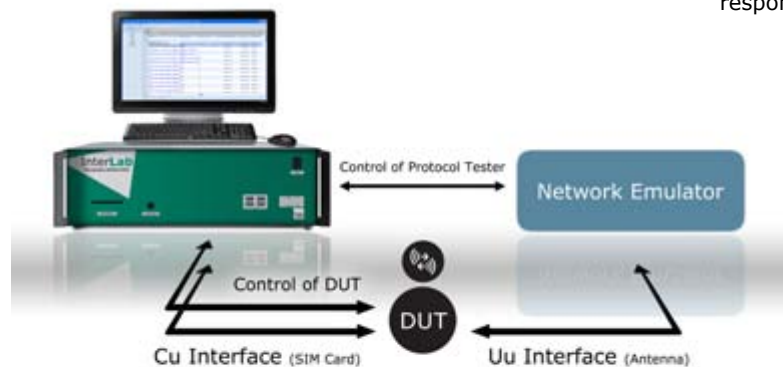
## SCOPE

- Tests that require the joint operation of
  - a UICC simulator and
  - a network emulator for 2G, 3G or LTE networks as well as the latest LTE Cat-M1 or NB-IoT technology
- Network independent tests that only require a UICC simulator
- NFC test requirements

## VALIDATED CONFORMANCE TEST PACKAGES

The test solution covers a variety of test specifications and certification requirements. It can be equipped with a choice of validated test packages which are continuously updated in response to new requirements:

- |                      |                      |
|----------------------|----------------------|
| - 2G SIM             | for PTCRB            |
| - 3G USIM/USAT       | for GCF / PTCRB      |
| - LTE USIM/USAT      | for GCF / PTCRB      |
| - LTE Cat-M1         | for GCF / PTCRB      |
| - NB IoT             | for GCF              |
| - NFC                | for GCF / PTCB       |
| - TD-LTE, FDD-LTE    | for China Mobile     |
| - LTE USIM/USAT/ISIM | for Verizon Wireless |



## Test Automation

## INTERLAB® TEST SOLUTION DEVICE/UICC

### SCOPE OF DELIVERY

#### HARDWARE

- Interlab DEVICE/UICC tester
- Embedded UICC/SIM simulator  
(Aspects SmartStation3 from UL)
- UICC card slot and a spy option for UICC card tests

#### SOFTWARE

- Validated test packages to be used with network emulators
  - R&S® CMW500 for 3G, LTE, LTE Cat-M1, NB IoT, Verizon Wireless, China Mobile test packages
  - Anritsu MD8430A for LTE test package
- Interlab® Test Engine for automation
- "OUT" Descriptor
  - for terminal capability description
  - for test case configuration
- UICC/ SIM monitoring and spy tools
- OTA provisioning

### FURTHER OPTIONS

- Users of the Interlab® Test Solutions LTE USIM/USAT, 3G (U)SIM or 3G (U)SAT can upgrade their existing platform to the Interlab® Test Solution DEVICE/UICC.
- Further new developments are supported only in combination with the R&S CMW500.
- Additional test packages for SIM applications in 2G networks are available upon request.
- Users of the NFC UICC test case packages can be provided with complementary test setups for the parallel assessment of GSMA NFC network independent testing from FIME or UL.

### USER BENEFITS

#### The Interlab Test Solution DEVICE/UICC

- offers ONE straightforward graphical user interface, for the smooth operation of all involved test systems and the Device-under-Test (DuT)
- stands for a high level of automation thanks to
  - automation functionalities of the test system
  - remote control interfaces of the wireless DuT
- allows the execution and performance of test sequences without any user interactions
- leads to a significant reduction of handling errors
- enables test capabilities to run 24/7
- can also be used for the automated, correct configuration of the protocol tester and fully automated protocol testing
- is continuously updated in response to new requirement, due to our active participation in the GCF Working Group, the PTCRB RFT, the TSG CT WG 6, the Global TD-LTE initiative "GTI" etc.

### ADDITIONAL SERVICES

- Documentation
  - User Manual, "Getting Started", Release Note Installation Guide, System Requirements
- Set-up services
- Introductory training
- Support & maintenance
- Onsite support

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