UL Mobile Handset Test Platform

Who is it for?

The UL Mobile Handset Test Platform is one of the leading test tools for any mobile handset manufacturer developer or tester seeking a stable environment for testing handsets over the SIM card interface where they can perform repeatable tests.

Why do you need it?

With the UL Mobile Handset Test Platform, you can test your handset over the SIM card interface by simulating a SIM/RUIM card or multi-application Universal Integrated Circuit Card (UICC). You can control and predict the simulation's behavior. You can simulate both correct and faulty SIM and UICC behavior.

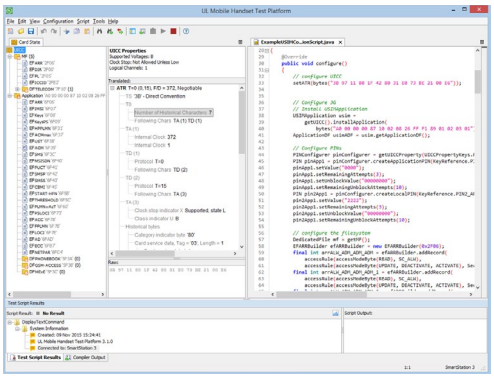
What is inside?

UL Mobile Handset Test Platform combines a fully functional UICC or SIM simulator with a Java development environment that lets you build test scripts (card profile, SIM-Toolkit, ISO 7816-2, 3 and 4) in minutes. Using UL Mobile Handset Test Platform to simulate a UICC and running tests of various sizes and complexity allows you to verify handset behavior.

Configure UL Mobile Handset Test Platform to simulate USIM, ISIM, SIM, CSIM and RUIM applications. Use it for testing handsets in a GSM, 3G (UMTS or cdma2000) or LTE network environment when combined with a suitable network simulator or live network.

Key benefits

- Simulate both correct and faulty SIMs or UICCs to test a handset's behavior
- Build your own test scripts for any file system, SIM-Toolkit, ISO 7816-3 and 4 functionality, including BIP for M2M eSIM devices using powerful and flexible JAVA APIs
- Detect interoperability issues at an early stage
- Immediate visual feedback on tests
- Reduce time to market and save costs
- Ability to share exported test results with other interested parties using complimentary UL Mobile Log Viewer



Specifications

Industry specifications supported

GSM (SIM) module
- 3GPP TS 51.011 and TS 51.014

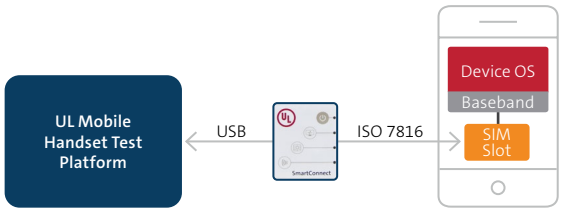
3G (USIM) module
- 3GPP TS 31.102, 3GPP TS 31.111 and ETSI TS 102.221

3G (CSIM) module
- 3GPP2 C.S0065-B, 3GPP2 C.S0035-A and ETSI TS 102.221

3G CDMA2000 (RUIM) module
- 3GPP2 C.S0065-B and 3GPP2 C.S0035-

Remote option

- Option to use the card simulation without the user interface and integrate it into an automated test environment using a Java API
- Remote API includes functionality such as loading configuration and test scripts, starting and stopping test scripts, interacting with the running test script and retrieving test results



Features

- Low-level testing
- Answer to reset
- T=0 protocol support
- Full support for PPS
- 5G file system and command support

File system

- Fully configurable using Java configuration scripts
- Scan a real card to create a simulation image

Test scripts

- Test scripts written in Java
- High-level APIs with methods based on application level and toolkit commands
- Java classes for all SIM-Toolkit proactive commands and data objects
- Output from test scripts displayed as test certificates that you can save and share

Automation

- Control UL Mobile Handset Test Platform from your test environment
- Load configuration and test scripts
- Send events between your test script and controlling software.

Live network automation

- Optionally forward commands to a real UICC to authenticate handset onto a live network
- Provide custom handling of authentication commands
- Includes support for ISIM, USIM and CSIM

UL Mobile Log Viewer

Use UL Mobile Log Viewer to view exported test certificates. People who do not have UL Mobile Card Test Platform can still review test certificates by using UL Mobile Log Viewer.

Use UL Mobile Log Viewer at no additional cost; you can download it from our service portal.

Hardware

- **UL SmartConnect** interfaces with the device under test.
- **UL Contact and Contactless Card Reader** performs testing using a real cellular network or scans SIM cards to efficiently create your own test file systems.

For more information, visit UL.com/MHTP, or contact one of our resellers.

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