

UL Mobile Remote Card Profile Tester

Overview of UL Mobile Remote Card Profile Tester

UL Mobile Remote Card Profile Tester provides the perfect support tool for anyone in the telecom, GSMA machine-to-machine (M2M) or consumer industry who wants to test and verify SIM, UICC and enabled eUICC profiles remotely via a simulated or real cellular mobile network.

Benefits

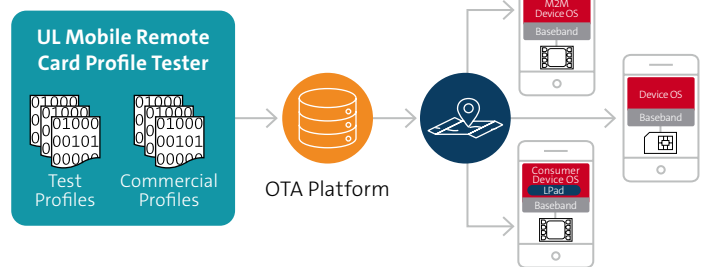
UL Mobile Remote Card Profile Tester serves as a tool for testing SIM, embedded SIM (eUICC) and UICC profiles remotely when the device is in the field or otherwise unavailable. It allows users to create a test card profile from scratch to test SIM, UICC or EUICC profiles. Use the tool as a debug or production support tool.

Features

UL Mobile Remote Card Profile Tester includes a simple wizard interface for testing profiles without needing to develop any test scripts.

UL Mobile Remote Card Profile Tester provides different connectivity options for transporting the command and response application protocol data units (APDUs) via traditional remote file management (RFM) and remote applet management (RAM) over the air (OTA) using your network simulator or real cellular network.

- For the network simulator option, the tool handles the SCP80 and SCP81 transport layer security.
- For the real network option, the tool interfaces with your OTA platform.



Key benefits

- Remote SIM, UICC and eUICC testing and debug OTA via RFM and RAM, aka GSMA ES6
- Choose the connectivity option to match your requirements and upgrade to one of the others when you're ready network simulator or real cellular network
- Support for multiple secure interfaces to communicate with SIM, UICC or eUICC via SCP02, SCP03, SCP80 and SCP81 as required
- Support for Trusted Connectivity Alliance (TCA) eSIM Profile Package Interoperable Format to test from ASN.1 or UL XML proprietary format

Specifications

OTA interface

- ETSI TS 102 225 and 3GPP 31.115 for all connectivity options
- ETSI TS 102 226 and 3GPP 31.116 for all connectivity options
- GSMA ES6

Multiple secure channel protocols

- Supports SCP02, SCP03, SCP80 and SCP81 via your network simulator of choice
- Supports SCP02 or SCP03 via your OTA platform on the real cellular network (support for SCP80 and SCP81 can also be offered for this option)

TCA Interoperable Profile Format

Full support based on Trusted Connectivity Alliance (ex-SIMalliance) eUICC Profile Package: Interoperable Format Technical Specification to test against ASN.1 profiles

Connectivity options

Choose from one of the connectivity options and upgrade the tool to use the other options at an additional cost when you're ready:

- If you don't have your own network simulator or don't have access to your OTA platform, UL will direct you to our vendor partner, where you can purchase a small, low-cost, fully functional 4G network simulator.
- If you choose your own network simulator option and UL can support it, we'll provide integration support to ensure that the UL Mobile Remote Card Profile Tester connects to it.
- If you choose your own cellular network and UL can support the OTA platform, we'll provide integration support to ensure that the UL Mobile Remote Card Profile Tester connects to your OTA platform.

Profile verification

- Generation of ISO7816 C-APDUs based on input profiles and analysis of the R-APDUs to verify whether the SIM, UICC or eUICC profile load as expected
- Detailed reports highlighting profile differences
 - File presence, file contents, file control parameters (FCP)
 - Application and security domain presence, including any provisioned keysets
- Powerful SIM, UICC and eUICC profile conformance verification to ETSI and 3GPP specifications: ETSI 102 221, 3GPP 31.102 and 3GPP 31.103

eUICC v3.0 Test Profile GW4A-MWC:

Card: Test eUICC
 Profile: C:\Users\37099\Documents\Aspects Tool Box\Aspects Card Profile Tester\Test Profiles\UICC v3.0 Test Profile GW4A-MWC.xml
 Profile: UL Mobile Card Profile Tester 3.7.1.3
 User Comment: Beta Test eUICC v3.0
 Completed: 05 April 2022 19:20:48 BST

Summary: Failed

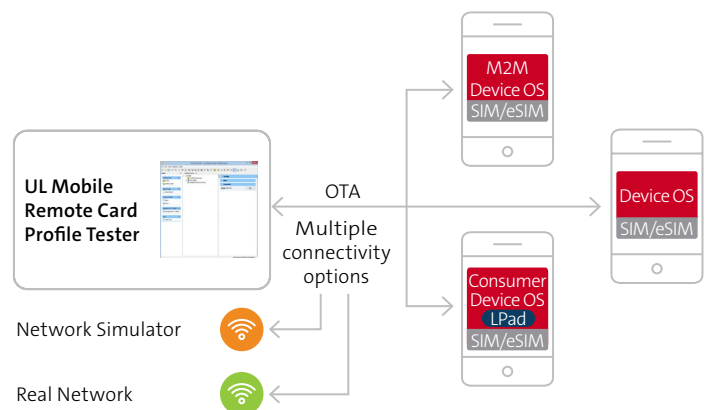
	Passed	Failed	Undetermined	Total
Card Characteristics:	7	0	0	7
Files and Applications:	161	167	27	355

Alias	Application
USIM1	A0 00 00 00 87 10 02 FF 31 FF FF 89 00 00 01 00
APP1	A0 00 00 00 03 50 4B 43 53 2D 31 35
APP2	A0 00 00 00 87 10 04 FF 31 FF FF 89 00 00 00 01

Result	Item
Passed	Card Characteristics
Passed	MF (Master File) [3F00]
Failed	IH [3E00] [2E00]
Passed	EF.PL [3F00] [2F05]

Hardware

Depending on your preferred connectivity option, you may need to purchase a low-cost network simulator from one of our partners or provide access to your own network simulator or OTA platform.



For more information, visit [UL.com/mrcpt](https://ul.com/mrcpt)



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