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Special **REPORT**

Test Results for Mobile Device Acquisition Tool: CelleBrite UFED 1.1.8.6 – Report Manager 1.8.3/UFED Physical Analyzer 2.3.0

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NIJ

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Director, National Institute of Justice

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September 2012

Test Results for Mobile Device Data Acquisition Tool:
CelleBrite UFED Logical Analyzer 1.1.8.6 – Report Manager 1.8.3 – UFED Physical Analyzer 2.3.0

National Institute of Standards and Technology
U.S. Department of Commerce

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Introduction

The Computer Forensics Tool Testing (CFTT) program is a joint project of the National Institute of Justice (NIJ), the Department of Homeland Security Science and Technology Directorate (DHS S&T), and the National Institute of Standards and Technology Law Enforcement Standards Office (OLES) and Information Technology Laboratory (ITL). CFTT is supported by other organizations, including the Federal Bureau of Investigation, the U.S. Department of Defense Cyber Crime Center, the U.S. Internal Revenue Service Criminal Investigation Division Electronic Crimes Program, the U.S. Department of Homeland Security's Bureau of Immigration and Customs Enforcement, U.S. Customs and Border Protection and U.S. Secret Service, the Naval Postgraduate School, the National White Collar Crime Center, the U.S. Commodity Futures Trading Commission, the U.S. Postal Service and the Securities and Exchange Commission. The objective of the CFTT program is to provide measurable assurance to practitioners, researchers and other applicable users that the tools used in computer forensics investigations provide accurate results. Accomplishing this requires the development of specifications and test methods for computer forensics tools and subsequent testing of specific tools against those specifications.

Test results provide the information necessary for developers to improve tools, users to make informed choices and the legal community and others to understand the tools' capabilities. The CFTT approach to testing computer forensic tools is based on well-recognized methodologies for conformance and quality testing. The specifications and test methods posted on the CFTT Web site (http://www.cftt.nist.gov/) are available for review and comment by the computer forensics community.

This document reports the results from testing CelleBrite's UFED, version 1.1.8.6, against the *Smart Phone Tool Test Assertions and Test Plan*, available at the CFTT Web site (www.cftt.nist.gov/mobile_devices.htm).

Test results from other tools and the CFTT tool methodology can be found on NIJ's CFTT Web page, http://www.ojp.usdoj.gov/nij/topics/technology/electronic-crime/cftt.htm.

How to Read This Report

This report is divided into five sections. The first section is a summary of the results from the test runs. This section is sufficient for most readers to assess the suitability of the tool for its intended use. The remaining sections of the report describe how the tests were conducted, discuss any anomalies that were encountered and provide documentation of test case run details that support the report summary. Section 2 gives justification for the selection of test cases from the set of possible cases defined in the test plan for smart phone forensic tools. The test cases are selected, in general, based on features offered by the tool. Section 3 describes in more depth any anomalies summarized in the first section. Section 4 lists hardware and software used to run the test cases. Section 5 contains a

description of each test case run. The description of each test run lists all test assertions used in the test case, the expected result and the actual result. Please refer to the vendor's owner manual for guidance on using the tool.

Test Results for Mobile Device Data Acquisition Tool

Tool Tested:	CelleBrite
Version:	UFED Logical Analyzer 1.1.8.6 UFED Physical Analyzer 2.3.0.10000 Report Manager 1.8.3.171110
Run Environment:	Microsoft Windows XP v5.1.2600
Supplier:	CelleBrite USA Corp.
Address:	266 Harristown Rd., Ste. 105, Glen Rock, NJ 07452
Tel:	(201) 848-8552
Fax:	(201) 848-9982
Web:	http://www.cellebrite.com

1 Results Summary

The Cellebrite Universal Forensic Extraction Device (UFED) is designed for logical and physical acquisitions, data analysis and report management from mobile phones, Smart Phones, Subscriber Identity Modules (SIMs) and Global Positioning System (GPS) devices.

The tool was tested for its ability to acquire active and deleted data from the internal memory of mobile devices and SIMs. Except for the following anomalies, the tool acquired all supported data objects completely and accurately for all nine mobile devices tested.

Personal Information Management (PIM) data:

- Graphics files associated with address book entries were not reported. (iPhone4 GSM, iPhone4 CDMA, HTC Thunderbolt, Palm Pre2)
- Address book entries with fields for a first, middle and last name were reported incorrectly. The first name field was appended with a semicolon. (Samsung Focus)
- Regular-length address book entries with a value in only the first-name field were reported incorrectly. The first-name field was duplicated. (Motorola Tundra)
- Memo entries were not acquired. (Motorola Tundra)
- Address book entries with fields for a first, middle and last name were reported incorrectly. The middle-name field was not reported. (Palm Pre2)

- Maximum-length address book entries were truncated — 54 out of 126 characters were reported. (Palm Pre2)
- Email addresses associated with address book entries were not reported. (Palm Pre2)

MMS messages:

- The textual portion of MMS messages was not reported. (BlackBerry Torch, Nokia 6350, HTC Thunderbolt)

Call logs:

- Acquisition of call log data ended in errors. (Motorola Tundra)

Subscriber and equipment-related information:

- Equipment-related information was not reported. (Palm Pre2)

Address book entries containing non-ASCII characters:

- Acquisition of address book entries containing non-ASCII characters were reported incorrectly. (BlackBerry Torch)

Device acquisition disruption:

- When connectivity was interrupted, the tool failed to notify the user that the acquisition had been disrupted. (Palm Pre2)

Refer to sections 3.1-3.7 for additional details.

2 Test Case Selection

Test cases used to test mobile device data acquisition tools are defined in *Smart Phone Tool Test Assertions and Test Plan Version 1.0*. To test a tool, test cases are selected from the *Test Plan* document based on the features offered by the tool. Not all test cases or test assertions are appropriate for all tools. There is a core set of base cases that are executed for every tool tested. Tool features guide the selection of additional test cases. If a given tool implements a given feature, then the test cases linked to that feature are run. Tables 1a-1i list the test cases available in Cellebrite's UFED. Tables 2a-2i list the test cases not available in CelleBrite's UFED.

Table 1a: Selected Test Cases (iPhone4 GSM)

Supported Optional Feature	Cases Selected for Execution
Base Cases	SPT-01, SPT-02, SPT-03, SPT-04, SPT-05, SPT-06, SPT-07, SPT-08, SPT-09, SPT-10, SPT-12, SPT-13
Acquire SIM memory over supported interfaces (e.g., PC/SC reader).	SPT-14
Attempt acquisition of a nonsupported SIM.	SPT-15
Begin SIM acquisition and interrupt connectivity by interface disengagement.	SPT-16
Acquire SIM memory and review reported subscriber and equipment-related information (i.e., SPN, ICCID, IMSI, MSISDN).	SPT-17

Supported Optional Feature	Cases Selected for Execution
Acquire SIM memory and review reported Abbreviated Dialing Numbers (ADN).	SPT-18
Acquire SIM memory and review reported Last Numbers Dialed (LND).	SPT-19
Acquire SIM memory and review reported text messages (SMS, EMS).	SPT-20
Acquire SIM memory and review recoverable deleted text messages (SMS, EMS).	SPT-21
Acquire SIM memory and review reported location-related data (i.e., LOCI, GPRSLOCI).	SPT-22
Acquire SIM memory by selecting a combination of supported data elements.	SPT-23
Acquire mobile device internal memory and review reported data via supported/generated report formats.	SPT-24
Acquire mobile device internal memory and review reported data via the preview pane.	SPT-25
Acquire SIM memory and review reported data via supported/generated report formats.	SPT-26
Acquire SIM memory and review reported data via the preview pane.	SPT-27
Attempt acquisition of a password-protected SIM.	SPT-28
After a successful mobile device internal memory, alter the case file via third-party means and attempt to reopen the case.	SPT-29
After a successful SIM acquisition, alter the case file via third-party means and attempt to reopen the case.	SPT-30
Perform a physical acquisition and review data output for readability.	SPT-31
Perform a physical acquisition and review reports for recoverable deleted data.	SPT-32
Acquire mobile device internal memory and review data containing non-ASCII characters.	SPT-33
Acquire SIM memory and review data containing non-ASCII characters.	SPT-34
Begin acquisition on a PIN-protected SIM to determine if the tool provides an accurate count of the remaining number of PIN attempts and if the PIN attempts are decremented when entering an incorrect value.	SPT-35
Begin acquisition on a SIM whose PIN attempts have been exhausted to determine if the tool provides an accurate count of the remaining number of PUK attempts and if the PUK attempts are decremented when entering an incorrect value.	SPT-36
Acquire mobile device internal memory and review hash values for vendor-supported data objects.	SPT-38
Acquire SIM memory and review hash values for vendor-	SPT-39

Supported Optional Feature	Cases Selected for Execution
supported data objects.	
Acquire mobile device internal memory and review data containing GPS longitude and latitude coordinates.	SPT-40

Table 2a: Omitted Test Cases (iPhone4 GSM)

Unsupported Test Cases	Cases Omitted/ Not Executed
Acquire mobile device internal memory and review application-related data (i.e., Word documents, spreadsheets, presentation documents).	SPT-11
Perform a stand-alone mobile device internal memory acquisition and review the status flags for text messages present on the SIM.	SPT-37

Table 1b: Selected Test Cases (BlackBerry Torch)

Supported Optional Feature	Cases Selected for Execution
Base Cases	SPT-01, SPT-02, SPT-03, SPT-04, SPT-05, SPT-06, SPT-07, SPT-08, SPT-09, SPT-10, SPT-12, SPT-13
Acquire SIM memory over supported interfaces (e.g., PC/SC reader).	SPT-14
Attempt acquisition of a nonsupported SIM.	SPT-15
Begin SIM acquisition and interrupt connectivity by interface disengagement.	SPT-16
Acquire SIM memory and review reported subscriber and equipment-related information (i.e., SPN, ICCID, IMSI, MSISDN).	SPT-17
Acquire SIM memory and review reported Abbreviated Dialing Numbers (ADN).	SPT-18
Acquire SIM memory and review reported Last Numbers Dialed (LND).	SPT-19
Acquire SIM memory and review reported text messages (SMS, EMS).	SPT-20
Acquire SIM memory and review recoverable deleted text messages (SMS, EMS).	SPT-21
Acquire SIM memory and review reported location-related data (i.e., LOCI, GPRSLOCI).	SPT-22
Acquire SIM memory by selecting a combination of supported data elements.	SPT-23
Acquire mobile device internal memory and review reported data via supported/generated report formats.	SPT-24
Acquire mobile device internal memory and review reported data via the preview pane.	SPT-25

Supported Optional Feature	Cases Selected for Execution
Acquire SIM memory and review reported data via supported/generated report formats.	SPT-26
Acquire SIM memory and review reported data via the preview pane.	SPT-27
Attempt acquisition of a password-protected SIM.	SPT-28
After a successful mobile device internal memory, alter the case file via third-party means and attempt to reopen the case.	SPT-29
After a successful SIM acquisition, alter the case file via third-party means and attempt to reopen the case.	SPT-30
Acquire mobile device internal memory and review data containing non-ASCII characters.	SPT-33
Acquire SIM memory and review data containing non-ASCII characters.	SPT-34
Begin acquisition on a PIN-protected SIM to determine if the tool provides an accurate count of the remaining number of PIN attempts and if the PIN attempts are decremented when entering an incorrect value.	SPT-35
Begin acquisition on a SIM whose PIN attempts have been exhausted to determine if the tool provides an accurate count of the remaining number of PUK attempts and if the PUK attempts are decremented when entering an incorrect value.	SPT-36
Acquire mobile device internal memory and review hash values for vendor-supported data objects.	SPT-38
Acquire SIM memory and review hash values for vendor-supported data objects.	SPT-39

Table 2b: Omitted Test Cases (BlackBerry Torch)

Unsupported Optional Feature	Cases Omitted/ Not Executed
Acquire mobile device internal memory and review application-related data (i.e., Word documents, spreadsheets, presentation documents).	SPT-11
Perform a physical acquisition and review data output for readability.	SPT-31
Perform a physical acquisition and review reports for recoverable deleted data.	SPT-32
Perform a stand-alone mobile device internal memory acquisition and review the status flags for text messages present on the SIM.	SPT-37
Acquire mobile device internal memory and review data containing GPS longitude and latitude coordinates.	SPT-40

Table 1c: Selected Test Cases (Samsung Focus)

Supported Optional Feature	Cases Selected for Execution
Base Cases	SPT-01, SPT-02, SPT-03, SPT-04, SPT-06, SPT-13
Acquire SIM memory over supported interfaces (e.g., PC/SC reader).	SPT-14
Attempt acquisition of a nonsupported SIM.	SPT-15
Begin SIM acquisition and interrupt connectivity by interface disengagement.	SPT-16
Acquire SIM memory and review reported subscriber and equipment-related information (i.e., SPN, ICCID, IMSI, MSISDN).	SPT-17
Acquire SIM memory and review reported Abbreviated Dialing Numbers (ADN).	SPT-18
Acquire SIM memory and review reported Last Numbers Dialed (LND).	SPT-19
Acquire SIM memory and review reported text messages (SMS, EMS).	SPT-20
Acquire SIM memory and review recoverable deleted text messages (SMS, EMS).	SPT-21
Acquire SIM memory and review reported location-related data (i.e., LOCI, GPRSLOCI).	SPT-22
Acquire SIM memory by selecting a combination of supported data elements.	SPT-23
Acquire mobile device internal memory and review reported data via supported/generated report formats.	SPT-24
Acquire mobile device internal memory and review reported data via the preview pane.	SPT-25
Acquire SIM memory and review reported data via supported/generated report formats.	SPT-26
Acquire SIM memory and review reported data via the preview pane.	SPT-27
Attempt acquisition of a password-protected SIM.	SPT-28
After a successful mobile device internal memory, alter the case file via third-party means and attempt to reopen the case.	SPT-29
After a successful SIM acquisition, alter the case file via third-party means and attempt to reopen the case.	SPT-30
Acquire mobile device internal memory and review data containing non-ASCII characters.	SPT-33
Acquire SIM memory and review data containing non-ASCII characters.	SPT-34
Begin acquisition on a PIN-protected SIM to determine if the tool provides an accurate count of the remaining number of PIN attempts and if the PIN attempts are decremented when entering an incorrect value.	SPT-35
Begin acquisition on a SIM whose PIN attempts have been	SPT-36

Supported Optional Feature	Cases Selected for Execution
exhausted to determine if the tool provides an accurate count of the remaining number of PUK attempts and if the PUK attempts are decremented when entering an incorrect value.	
Acquire mobile device internal memory and review hash values for vendor-supported data objects.	SPT-38
Acquire SIM memory and review hash values for vendor-supported data objects.	SPT-39

Table 2c: Omitted Test Cases (Samsung Focus)

Unsupported Optional Feature	Cases Omitted/ Not Executed
Acquire mobile device internal memory and review reported subscriber and equipment-related information (e.g., IMEI/MEID/ESN, MSISDN).	SPT-05
Acquire mobile device internal memory and review reported call logs.	SPT-07
Acquire mobile device internal memory and review reported text messages.	SPT-08
Acquire mobile device internal memory and review reported MMS multimedia related data (i.e., text, audio, graphics, video).	SPT-09
Acquire mobile device internal memory and review reported stand-alone multimedia data (i.e., audio, graphics, video).	SPT-10
Acquire mobile device internal memory and review application-related data (i.e., Word documents, spreadsheets, presentation documents).	SPT-11
Acquire mobile device internal memory and review Internet related data (i.e., bookmarks, visited sites.	SPT-12
Perform a physical acquisition and review data output for readability.	SPT-31
Perform a physical acquisition and review reports for recoverable deleted data.	SPT-32
Perform a stand-alone mobile device internal memory acquisition and review the status flags for text messages present on the SIM.	SPT-37
Acquire mobile device internal memory and review data containing GPS longitude and latitude coordinates.	SPT-40

Table 1d: Selected Test Cases (Nokia 6350)

Supported Optional Feature	Cases Selected for Execution
Base Cases	SPT-01, SPT-02, SPT-03, SPT-04, SPT-05, SPT-06, SPT-07, SPT-08, SPT-09, SPT-10, SPT-13
Acquire SIM memory over supported interfaces (e.g., PC/SC reader).	SPT-14
Attempt acquisition of a nonsupported SIM.	SPT-15

Supported Optional Feature	Cases Selected for Execution
Begin SIM acquisition and interrupt connectivity by interface disengagement.	SPT-16
Acquire SIM memory and review reported subscriber and equipment-related information (i.e., SPN, ICCID, IMSI, MSISDN).	SPT-17
Acquire SIM memory and review reported Abbreviated Dialing Numbers (ADN).	SPT-18
Acquire SIM memory and review reported Last Numbers Dialed (LND).	SPT-19
Acquire SIM memory and review reported text messages (SMS, EMS).	SPT-20
Acquire SIM memory and review recoverable deleted text messages (SMS, EMS).	SPT-21
Acquire SIM memory and review reported location-related data (i.e., LOCI, GPRSLOCI).	SPT-22
Acquire SIM memory by selecting a combination of supported data elements.	SPT-23
Acquire mobile device internal memory and review reported data via supported/generated report formats.	SPT-24
Acquire mobile device internal memory and review reported data via the preview pane.	SPT-25
Acquire SIM memory and review reported data via supported/generated report formats.	SPT-26
Acquire SIM memory and review reported data via the preview pane.	SPT-27
Attempt acquisition of a password-protected SIM.	SPT-28
After a successful mobile device internal memory, alter the case file via third-party means and attempt to reopen the case.	SPT-29
After a successful SIM acquisition, alter the case file via third-party means and attempt to reopen the case.	SPT-30
Acquire mobile device internal memory and review data containing non-ASCII characters.	SPT-33
Acquire SIM memory and review data containing non-ASCII characters.	SPT-34
Begin acquisition on a PIN-protected SIM to determine if the tool provides an accurate count of the remaining number of PIN attempts and if the PIN attempts are decremented when entering an incorrect value.	SPT-35
Begin acquisition on a SIM whose PIN attempts have been exhausted to determine if the tool provides an accurate count of the remaining number of PUK attempts and if the PUK attempts are decremented when entering an incorrect value.	SPT-36
Acquire mobile device internal memory and review hash values for vendor-supported data objects.	SPT-38
Acquire SIM memory and review hash values for vendor-	SPT-39

Supported Optional Feature	Cases Selected for Execution
supported data objects.	

Table 2d: Omitted Test Cases (Nokia 6350)

Unsupported Optional Feature	Cases Omitted/ Not Executed
Acquire mobile device internal memory and review application-related data (i.e., Word documents, spreadsheets, presentation documents).	SPT-11
Acquire mobile device internal memory and review Internet related data (i.e., bookmarks, visited sites.	SPT-12
Perform a physical acquisition and review data output for readability.	SPT-31
Perform a physical acquisition and review reports for recoverable deleted data.	SPT-32
Perform a stand-alone mobile device internal memory acquisition and review the status flags for text messages present on the SIM.	SPT-37
Acquire mobile device internal memory and review data containing GPS longitude and latitude coordinates.	SPT-40

Table 1e: Selected Test Cases (Motorola Tundra)

Supported Optional Feature	Cases Selected for Execution
Base Cases	SPT-01, SPT-02, SPT-03, SPT-04, SPT-05, SPT-06, SPT-07, SPT-10, SPT-13
Acquire SIM memory over supported interfaces (e.g., PC/SC reader).	SPT-14
Attempt acquisition of a nonsupported SIM.	SPT-15
Begin SIM acquisition and interrupt connectivity by interface disengagement.	SPT-16
Acquire SIM memory and review reported subscriber and equipment-related information (i.e., SPN, ICCID, IMSI, MSISDN).	SPT-17
Acquire SIM memory and review reported Abbreviated Dialing Numbers (ADN).	SPT-18
Acquire SIM memory and review reported Last Numbers Dialed (LND).	SPT-19
Acquire SIM memory and review reported text messages (SMS, EMS).	SPT-20
Acquire SIM memory and review recoverable deleted text messages (SMS, EMS).	SPT-21

Supported Optional Feature	Cases Selected for Execution
Acquire SIM memory and review reported location-related data (i.e., LOCI, GPRSLOCI).	SPT-22
Acquire SIM memory by selecting a combination of supported data elements.	SPT-23
Acquire mobile device internal memory and review reported data via supported/generated report formats.	SPT-24
Acquire mobile device internal memory and review reported data via the preview pane.	SPT-25
Acquire SIM memory and review reported data via supported/generated report formats.	SPT-26
Acquire SIM memory and review reported data via the preview pane.	SPT-27
Attempt acquisition of a password-protected SIM.	SPT-28
After a successful mobile device internal memory, alter the case file via third-party means and attempt to reopen the case.	SPT-29
After a successful SIM acquisition, alter the case file via third-party means and attempt to reopen the case.	SPT-30
Acquire SIM memory and review data containing non-ASCII characters.	SPT-34
Begin acquisition on a PIN-protected SIM to determine if the tool provides an accurate count of the remaining number of PIN attempts and if the PIN attempts are decremented when entering an incorrect value.	SPT-35
Begin acquisition on a SIM whose PIN attempts have been exhausted to determine if the tool provides an accurate count of the remaining number of PUK attempts and if the PUK attempts are decremented when entering an incorrect value.	SPT-36
Acquire mobile device internal memory and review hash values for vendor-supported data objects.	SPT-38
Acquire SIM memory and review hash values for vendor-supported data objects.	SPT-39

Table 2e: Omitted Test Cases (Motorola Tundra)

Unsupported Optional Feature	Cases Omitted/ Not Executed
Acquire mobile device internal memory and review reported text messages.	SPT-08
Acquire mobile device internal memory and review reported MMS multimedia related data (i.e., text, audio, graphics, video).	SPT-09
Acquire mobile device internal memory and review application-related data (i.e., Word documents, spreadsheets, presentation documents).	SPT-11
Acquire mobile device internal memory and review Internet related data (i.e., bookmarks, visited sites.	SPT-12

Unsupported Optional Feature	Cases Omitted/ Not Executed
Perform a physical acquisition and review data output for readability.	SPT-31
Perform a physical acquisition and review reports for recoverable deleted data.	SPT-32
Acquire mobile device internal memory and review data containing non-ASCII characters.	SPT-33
Perform a stand-alone mobile device internal memory acquisition and review the status flags for text messages present on the SIM.	SPT-37
Acquire mobile device internal memory and review data containing GPS longitude and latitude coordinates.	SPT-40

Table 1f: Selected Test Cases (iPhone4 CDMA)

Supported Optional Feature	Cases Selected for Execution
Base Cases	SPT-01, SPT-02, SPT-03, SPT-04, SPT-05, SPT-06, SPT-07, SPT-08, SPT-09, SPT-10, SPT-12, SPT-13
Acquire mobile device internal memory and review reported data via supported/generated report formats.	SPT-24
Acquire mobile device internal memory and review reported data via the preview pane.	SPT-25
After a successful mobile device internal memory, alter the case file via third-party means and attempt to reopen the case.	SPT-29
Perform a physical acquisition and review data output for readability.	SPT-31
Perform a physical acquisition and review reports for recoverable deleted data.	SPT-32
Acquire mobile device internal memory and review data containing non-ASCII characters.	SPT-33
Acquire mobile device internal memory and review hash values for vendor-supported data objects.	SPT-38
Acquire mobile device internal memory and review data containing GPS longitude and latitude coordinates.	SPT-40

Table 2f: Omitted Test Cases (iPhone4 CDMA)

Unsupported Optional Feature	Cases Omitted/ Not Executed
Acquire mobile device internal memory and review application-related data	SPT-11

Unsupported Optional Feature	Cases Omitted/ Not Executed
(i.e., Word documents, spreadsheets, presentation documents).	
Acquire SIM memory over supported interfaces (e.g., PC/SC reader).	SPT-14
Attempt acquisition of a nonsupported SIM.	SPT-15
Begin SIM acquisition and interrupt connectivity by interface disengagement.	SPT-16
Acquire SIM memory and review reported subscriber and equipment-related information (i.e., SPN, ICCID, IMSI, MSISDN).	SPT-17
Acquire SIM memory and review reported Abbreviated Dialing Numbers (ADN).	SPT-18
Acquire SIM memory and review reported Last Numbers Dialed (LND).	SPT-19
Acquire SIM memory and review reported text messages (SMS, EMS).	SPT-20
Acquire SIM memory and review recoverable deleted text messages (SMS, EMS).	SPT-21
Acquire SIM memory and review reported location-related data (i.e., LOCI, GPRSLOCI).	SPT-22
Acquire SIM memory by selecting a combination of supported data elements.	SPT-23
Acquire SIM memory and review reported data via supported/generated report formats.	SPT-26
Acquire SIM memory and review reported data via the preview pane.	SPT-27
Attempt acquisition of a password-protected SIM.	SPT-28
After a successful SIM acquisition, alter the case file via third-party means and attempt to reopen the case.	SPT-30
Acquire SIM memory and review data containing non-ASCII characters.	SPT-34
Begin acquisition on a PIN-protected SIM to determine if the tool provides an accurate count of the remaining number of PIN attempts and if the PIN attempts are decremented when entering an incorrect value.	SPT-35
Begin acquisition on a SIM whose PIN attempts have been exhausted to determine if the tool provides an accurate count of the remaining number of PUK attempts and if the PUK attempts are decremented when entering an incorrect value.	SPT-36
Perform a stand-alone mobile device internal memory acquisition and review the status flags for text messages present on the SIM.	SPT-37
Acquire SIM memory and review hash values for vendor-supported data objects.	SPT-39

Table 1g: Selected Test Cases (HTC Thunderbolt)

Supported Optional Feature	Cases Selected for Execution
Base Cases	SPT-01, SPT-02, SPT-03, SPT-04, SPT-05, SPT-06, SPT-07, SPT-08, SPT-09, SPT-10, SPT-13
Acquire mobile device internal memory and review reported data via supported/generated report	SPT-24

Supported Optional Feature	Cases Selected for Execution
formats.	
Acquire mobile device internal memory and review reported data via the preview pane.	SPT-25
After a successful mobile device internal memory, alter the case file via third-party means and attempt to reopen the case.	SPT-29
Acquire mobile device internal memory and review data containing non-ASCII characters.	SPT-33
Acquire mobile device internal memory and review hash values for vendor-supported data objects.	SPT-38

Table 2g: Omitted Test Cases (HTC Thunderbolt)

Unsupported Optional Feature	Cases Omitted/ Not Executed
Acquire mobile device internal memory and review application-related data (i.e., Word documents, spreadsheets, presentation documents).	SPT-11
Acquire mobile device internal memory and review Internet related data (i.e., bookmarks, visited sites.	SPT-12
Acquire SIM memory over supported interfaces (e.g., PC/SC reader).	SPT-14
Attempt acquisition of a nonsupported SIM.	SPT-15
Begin SIM acquisition and interrupt connectivity by interface disengagement.	SPT-16
Acquire SIM memory and review reported subscriber and equipment-related information (i.e., SPN, ICCID, IMSI, MSISDN).	SPT-17
Acquire SIM memory and review reported Abbreviated Dialing Numbers (ADN).	SPT-18
Acquire SIM memory and review reported Last Numbers Dialed (LND).	SPT-19
Acquire SIM memory and review reported text messages (SMS, EMS).	SPT-20
Acquire SIM memory and review recoverable deleted text messages (SMS, EMS).	SPT-21
Acquire SIM memory and review reported location-related data (i.e., LOCI, GPRSLOCI).	SPT-22
Acquire SIM memory by selecting a combination of supported data elements.	SPT-23
Acquire SIM memory and review reported data via supported/generated report formats.	SPT-26
Acquire SIM memory and review reported data via the preview pane.	SPT-27
Attempt acquisition of a password-protected SIM.	SPT-28
After a successful SIM acquisition, alter the case file via third-party means and attempt to reopen the case.	SPT-30
Perform a physical acquisition and review data output for readability.	SPT-31
Perform a physical acquisition and review reports for recoverable deleted data.	SPT-32
Acquire SIM memory and review data containing non-ASCII characters.	SPT-34
Begin acquisition on a PIN-protected SIM to determine if the tool provides an	SPT-35

Unsupported Optional Feature	Cases Omitted/ Not Executed
accurate count of the remaining number of PIN attempts and if the PIN attempts are decremented when entering an incorrect value.	
Begin acquisition on a SIM whose PIN attempts have been exhausted to determine if the tool provides an accurate count of the remaining number of PUK attempts and if the PUK attempts are decremented when entering an incorrect value.	SPT-36
Perform a stand-alone mobile device internal memory acquisition and review the status flags for text messages present on the SIM.	SPT-37
Acquire SIM memory and review hash values for vendor-supported data objects.	SPT-39
Acquire mobile device internal memory and review data containing GPS longitude and latitude coordinates.	SPT-40

Table 1h: Selected Test Cases (Palm Pre2)

Supported Optional Feature	Cases Selected for Execution
Base Cases	SPT-01, SPT-02, SPT-03, SPT-04, SPT-05, SPT-06, SPT-09, SPT-10, SPT-13
Acquire mobile device internal memory and review reported data via supported/generated report formats.	SPT-24
Acquire mobile device internal memory and review reported data via the preview pane.	SPT-25
After a successful mobile device internal memory, alter the case file via third-party means and attempt to reopen the case.	SPT-29
Acquire mobile device internal memory and review data containing non-ASCII characters.	SPT-33
Acquire mobile device internal memory and review hash values for vendor-supported data objects.	SPT-38

Table 2h: Omitted Test Cases (Palm Pre2)

Unsupported Optional Feature	Cases Omitted/ Not Executed
Acquire mobile device internal memory and review reported call logs.	SPT-07
Acquire mobile device internal memory and review reported text messages.	SPT-08
Acquire mobile device internal memory and review application-related data (i.e., Word documents, spreadsheets, presentation documents).	SPT-11
Acquire mobile device internal memory and review Internet related data (i.e., bookmarks, visited sites.	SPT-12
Acquire SIM memory over supported interfaces (e.g., PC/SC reader).	SPT-14

Unsupported Optional Feature	Cases Omitted/ Not Executed
Attempt acquisition of a nonsupported SIM.	SPT-15
Begin SIM acquisition and interrupt connectivity by interface disengagement.	SPT-16
Acquire SIM memory and review reported subscriber and equipment-related information (i.e., SPN, ICCID, IMSI, MSISDN).	SPT-17
Acquire SIM memory and review reported Abbreviated Dialing Numbers (ADN).	SPT-18
Acquire SIM memory and review reported Last Numbers Dialed (LND).	SPT-19
Acquire SIM memory and review reported text messages (SMS, EMS).	SPT-20
Acquire SIM memory and review recoverable deleted text messages (SMS, EMS).	SPT-21
Acquire SIM memory and review reported location-related data (i.e., LOCI, GPRSLOCI).	SPT-22
Acquire SIM memory by selecting a combination of supported data elements.	SPT-23
Acquire SIM memory and review reported data via supported/generated report formats.	SPT-26
Acquire SIM memory and review reported data via the preview pane.	SPT-27
Attempt acquisition of a password-protected SIM.	SPT-28
After a successful SIM acquisition, alter the case file via third-party means and attempt to reopen the case.	SPT-30
Perform a physical acquisition and review data output for readability.	SPT-31
Perform a physical acquisition and review reports for recoverable deleted data.	SPT-32
Acquire SIM memory and review data containing non-ASCII characters.	SPT-34
Begin acquisition on a PIN-protected SIM to determine if the tool provides an accurate count of the remaining number of PIN attempts and if the PIN attempts are decremented when entering an incorrect value.	SPT-35
Begin acquisition on a SIM whose PIN attempts have been exhausted to determine if the tool provides an accurate count of the remaining number of PUK attempts and if the PUK attempts are decremented when entering an incorrect value.	SPT-36
Perform a stand-alone mobile device internal memory acquisition and review the status flags for text messages present on the SIM.	SPT-37
Acquire SIM memory and review hash values for vendor-supported data objects.	SPT-39
Acquire mobile device internal memory and review data containing GPS longitude and latitude coordinates.	SPT-40

Table 1i: Selected Test Cases (Samsung Haven)

Supported Optional Feature	Cases Selected for Execution
Base Cases	SPT-01, SPT-02, SPT-03, SPT-04, SPT-06, SPT-13

Supported Optional Feature	Cases Selected for Execution
Acquire mobile device internal memory and review reported data via supported/generated report formats.	SPT-24
Acquire mobile device internal memory and review reported data via the preview pane.	SPT-25
After a successful mobile device internal memory, alter the case file via third-party means and attempt to reopen the case.	SPT-29
Acquire mobile device internal memory and review hash values for vendor-supported data objects.	SPT-38

Table 2i: Omitted Test Cases (Samsung Haven)

Unsupported Optional Feature	Cases Omitted/Not Executed
Acquire mobile device internal memory and review reported subscriber and equipment-related information (e.g., IMEI/MEID/ESN, MSISDN).	SPT-05
Acquire mobile device internal memory and review reported call logs.	SPT-07
Acquire mobile device internal memory and review reported text messages.	SPT-08
Acquire mobile device internal memory and review reported MMS multimedia related data (i.e., text, audio, graphics, video).	SPT-09
Acquire mobile device internal memory and review reported stand-alone multimedia data (i.e., audio, graphics, video).	SPT-10
Acquire mobile device internal memory and review application-related data (i.e., Word documents, spreadsheets, presentation documents).	SPT-11
Acquire mobile device internal memory and review Internet related data (i.e., bookmarks, visited sites.	SPT-12
Acquire SIM memory over supported interfaces (e.g., PC/SC reader).	SPT-14
Attempt acquisition of a nonsupported SIM.	SPT-15
Begin SIM acquisition and interrupt connectivity by interface disengagement.	SPT-16
Acquire SIM memory and review reported subscriber and equipment-related information (i.e., SPN, ICCID, IMSI, MSISDN).	SPT-17
Acquire SIM memory and review reported Abbreviated Dialing Numbers (ADN).	SPT-18
Acquire SIM memory and review reported Last Numbers Dialed (LND).	SPT-19
Acquire SIM memory and review reported text messages (SMS, EMS).	SPT-20
Acquire SIM memory and review recoverable deleted text messages (SMS, EMS).	SPT-21
Acquire SIM memory and review reported location-related data (i.e., LOCI, GPRSLOCI).	SPT-22
Acquire SIM memory by selecting a combination of supported data elements.	SPT-23
Acquire SIM memory and review reported data via supported/generated	SPT-26

Unsupported Optional Feature	Cases Omitted/Not Executed
report formats.	
Acquire SIM memory and review reported data via the preview pane.	SPT-27
Attempt acquisition of a password-protected SIM.	SPT-28
After a successful SIM acquisition, alter the case file via third-party means and attempt to reopen the case.	SPT-30
Perform a physical acquisition and review data output for readability.	SPT-31
Perform a physical acquisition and review reports for recoverable deleted data.	SPT-32
Acquire mobile device internal memory and review data containing non-ASCII characters.	SPT-33
Acquire SIM memory and review data containing non-ASCII characters.	SPT-34
Begin acquisition on a PIN-protected SIM to determine if the tool provides an accurate count of the remaining number of PIN attempts and if the PIN attempts are decremented when entering an incorrect value.	SPT-35
Begin acquisition on a SIM whose PIN attempts have been exhausted to determine if the tool provides an accurate count of the remaining number of PUK attempts and if the PUK attempts are decremented when entering an incorrect value.	SPT-36
Perform a stand-alone mobile device internal memory acquisition and review the status flags for text messages present on the SIM.	SPT-37
Acquire SIM memory and review hash values for vendor-supported data objects.	SPT-39
Acquire mobile device internal memory and review data containing GPS longitude and latitude coordinates.	SPT-40

3 Results by Test Assertion

A test assertion is a verifiable statement about a single condition after an action is performed by the tool under test. A test case usually checks a group of assertions after the action of a single execution of the tool under test. Test assertions are defined and linked to test cases in *Smart Phone Tool Test Assertions and Test Plan Version 1.0*.

Tables 3a – 3i summarize the test results by assertion. The column labeled **Assertions Tested** describes the text of each assertion. The column labeled **Tests** gives the number of test cases that use the given assertion. The column labeled **Anomaly** gives the section number in this report where any obverved anomalies are discussed.

Table 3a: Assertions Tested: (iPhone4 GSM)

Assertions Tested	Tests	Anomaly
SPT-CA-01 If a cellular forensic tool provides support for connectivity of the target device, then the tool shall successfully recognize the target device via all vendor-supported interfaces (e.g., cable, Bluetooth, IrDA).	1	

Assertions Tested	Tests	Anomaly
SPT-CA-02 If a cellular forensic tool attempts to connect to a nonsupported device, then the tool shall notify the user that the device is not supported.	1	
SPT-CA-03 If connectivity between the mobile device and cellular forensic tool is disrupted, then the tool shall notify the user that connectivity has been disrupted.	1	
SPT-CA-04 If a cellular forensic tool completes acquisition of the target device without error, then the tool shall have the ability to present acquired data objects in a useable format via either a preview pane or generated report.	2	
SPT-CA-05 If a cellular forensic tool completes acquisition of the target device without error, then subscriber-related information shall be presented in a useable format.	1	
SPT-CA-06 If a cellular forensic tool completes acquisition of the target device without error, then equipment-related information shall be presented in a useable format.	1	
SPT-CA-07 If a cellular forensic tool completes acquisition of the target device without error, then address book entries shall be presented in a useable format.	1	
SPT-CA-08 If a cellular forensic tool completes acquisition of the target device without error, then maximum length address book entries shall be presented in a useable format.	1	
SPT-CA-09 If a cellular forensic tool completes acquisition of the target device without error, then address book entries containing special characters shall be presented in a useable format.	1	
SPT-CA-10 If a cellular forensic tool completes acquisition of the target device without error, then address book entries containing blank names shall be presented in a useable format.	1	
SPT-CA-11 If a cellular forensic tool completes acquisition of the target device without error, then email addresses associated with address book entries shall be presented in a useable format.	1	
SPT-CA-12 If a cellular forensic tool completes acquisition of the target device without error, then graphics associated with address book entries shall be presented in a useable format.	1	3.1
SPT-CA-13 If a cellular forensic tool completes acquisition of the target device without error, then datebook, calendar, note entries shall be presented in a useable format.	1	
SPT-CA-14 If a cellular forensic tool completes acquisition of the target device without error, then maximum length datebook, calendar, note entries shall be presented in a useable format.	1	
SPT-CA-15 If a cellular forensic tool completes acquisition of the target device without error, then call logs (incoming/outgoing/missed) shall be presented in a useable format.	1	
SPT-CA-16 If a cellular forensic tool completes acquisition of the target device without error, then the corresponding date/time stamps and the	1	

Assertions Tested	Tests	Anomaly
duration of the call for call logs shall be presented in a useable format.		
SPT-CA-17 If a cellular forensic tool completes acquisition of the target device without error, then ASCII text messages (i.e., SMS, EMS) shall be presented in a useable format.	1	
SPT-CA-18 If a cellular forensic tool completes acquisition of the target device without error, then the corresponding date/time stamps for text messages shall be presented in a useable format.	1	
SPT-CA-19 If a cellular forensic tool completes acquisition of the target device without error, then the corresponding status (i.e., read, unread) for text messages shall be presented in a useable format.	1	
SPT-CA-20 If a cellular forensic tool completes acquisition of the target device without error, then the corresponding sender / recipient phone numbers for text messages shall be presented in a useable format.	1	
SPT-CA-21 If a cellular forensic tool completes acquisition of the target device without error, then MMS messages and associated audio shall be presented in a useable format.	1	
SPT-CA-22 If a cellular forensic tool completes acquisition of the target device without error, then MMS messages and associated graphic files shall be presented in a useable format.	1	
SPT-CA-23 If a cellular forensic tool completes acquisition of the target device without error, then MMS messages and associated video shall be presented in a useable format.	1	
SPT-CA-24 If a cellular forensic tool completes acquisition of the target device without error, then stand-alone audio files shall be presented in a useable format via either an internal application or suggested third-party application.	1	
SPT-CA-25 If a cellular forensic tool completes acquisition of the target device without error, then stand-alone graphic files shall be presented in a useable format via either an internal application or suggested third-party application.	1	
SPT-CA-26 If a cellular forensic tool completes acquisition of the target device without error, then stand-alone video files shall be presented in a useable format via either an internal application or suggested third-party application.	1	
SPT-CA-28 If a cellular forensic tool completes acquisition of the target device without error, then Internet related data (i.e., bookmarks, visited sites) cached to the device shall be acquired and presented in a useable format.	1	
SPT-CA-29 If a cellular forensic tool provides the user with an “Acquire All” device data objects acquisition option, then the tool shall complete the acquisition of all data objects without error.	2	
SPT-CA-30 If a cellular forensic tool provides the user with a “Select All” individual device data objects, then the tool shall complete the acquisition of all individually selected data objects without error.	2	
SPT-CA-31 If a cellular forensic tool provides the user with the ability	2	

Assertions Tested	Tests	Anomaly
to “Select Individual” device data objects for acquisition, then the tool shall acquire each exclusive data object without error.		
SPT-CA-32 If a cellular forensic tool completes two consecutive logical acquisitions of the target device without error, then the payload (data objects) on the mobile device shall remain consistent.	1	
SPT-AO-01 If a cellular forensic tool provides support for connectivity of the target SIM, then the tool shall successfully recognize the target SIM via all tool-supported interfaces (e.g., PC/SC reader, proprietary reader, smart phone itself).	2	
SPT-AO-02 If a cellular forensic tool attempts to connect to a nonsupported SIM, then the tool shall notify the user that the SIM is not supported.	1	
SPT-AO-03 If a cellular forensic tool loses connectivity with the SIM reader, then the tool shall notify the user that connectivity has been disrupted.	1	
SPT-AO-04 If a cellular forensic tool completes acquisition of the target SIM without error, then the SPN shall be presented in a useable format.	1	
SPT-AO-05 If a cellular forensic tool completes acquisition of the target SIM without error, then the ICCID shall be presented in a useable format.	1	
SPT-AO-06 If a cellular forensic tool completes acquisition of the target SIM without error, then the IMSI shall be presented in a useable format.	1	
SPT-AO-07 If a cellular forensic tool completes acquisition of the target SIM without error, then the MSISDN shall be presented in a useable format.	1	
SPT-AO-08 If a cellular forensic tool completes acquisition of the target SIM without error, then ASCII Abbreviated Dialing Numbers (ADN) shall be presented in a useable format.	1	
SPT-AO-09 If a cellular forensic tool completes acquisition of the target SIM without error, then maximum length ADN shall be presented in a useable format.	1	
SPT-AO-10 If a cellular forensic tool completes acquisition of the SIM without error, then ADN containing special characters shall be presented in a useable format.	1	
SPT-AO-11 If a cellular forensic tool completes acquisition of the SIM without error, then ADN containing blank names shall be presented in a useable format.	1	
SPT-AO-12 If a cellular forensic tool completes acquisition of the target SIM without error, then Last Numbers Dialed (LND) shall be presented in a useable format.	1	
SPT-AO-13 If a cellular forensic tool completes acquisition of the target SIM without error, then the corresponding date/time stamps for LNDs shall be presented in a useable format.	1	
SPT-AO-14 If a cellular forensic tool completes acquisition of the target SIM without error, then ASCII SMS text messages shall be presented in	1	

Assertions Tested	Tests	Anomaly
a useable format.		
SPT-AO-15 If a cellular forensic tool completes acquisition of the target SIM without error, then ASCII EMS text messages shall be presented in a useable format.	1	
SPT-AO-16 If a cellular forensic tool completes acquisition of the target SIM without error, then the corresponding date/time stamps for all text messages shall be presented in a useable format.	1	
SPT-AO-17 If a cellular forensic tool completes acquisition of the target SIM without error, then the corresponding status (i.e., read, unread) for text messages shall be presented in a useable format.	1	
SPT-AO-18 If a cellular forensic tool completes acquisition of the target SIM without error, then the corresponding sender / recipient phone numbers for text messages shall be presented in a useable format.	1	
SPT-AO-19 If the cellular forensic tool completes acquisition of the target SIM without error, then deleted text messages that have not been overwritten shall be presented in a useable format.	1	
SPT-AO-20 If a cellular forensic tool completes acquisition of the target SIM without error, then location-related data (i.e., LOCI) shall be presented in a useable format.	1	
SPT-AO-21 If a cellular forensic tool completes acquisition of the target SIM without error, then location-related data (i.e., GRPSLOCI) shall be presented in a useable format.	1	
SPT-AO-22 If a cellular forensic tool provides the user with an “Acquire All” SIM data objects acquisition option, then the tool shall complete the acquisition of all data objects without error.	1	
SPT-AO-23 If a cellular forensic tool provides the user with an “Select All” individual SIM data objects, then the tool shall complete the acquisition of all individually selected data objects without error.	1	
SPT-AO-24 If a cellular forensic tool provides the user with the ability to “Select Individual” SIM data objects for acquisition, then the tool shall acquire each exclusive data object without error.	1	
SPT-AO-25 If a cellular forensic tool completes acquisition of the SIM without error, then the tool shall present the acquired data in a useable format via supported/generated report formats.	2	
SPT-AO-26 If a cellular forensic tool completes acquisition of the SIM without error, then the tool shall present the acquired data in a useable format in a preview pane view.	2	
SPT-AO-27 If the case file or individual data objects are modified via third-party means, then the tool shall provide protection mechanisms disallowing or reporting data modification.	2	
SPT-AO-28 If the SIM is password-protected, then the cellular forensic tool shall provide the examiner with the opportunity to input the PIN before acquisition.	1	
SPT-AO-29 If a cellular forensic tool provides the examiner with the remaining number of authentication attempts, then the application	1	

Assertions Tested	Tests	Anomaly
should provide an accurate count of the remaining PIN attempts.		
SPT-AO-30 If a cellular forensic tool provides the examiner with the remaining number of PUK attempts, then the application should provide an accurate count of the remaining PUK attempts.	1	
SPT-AO-31 If the cellular forensic tool supports a physical acquisition of the target device, then the tool shall complete the acquisition without error.	1	
SPT-AO-32 If the cellular forensic tool supports the interpretation of address book entries present on the target device, then the tool shall report recoverable active and deleted data or address book data remnants in a useable format.	1	
SPT-AO-33 If the cellular forensic tool supports the interpretation of calendar, tasks, or notes present on the target device, then the tool shall report recoverable active and deleted calendar, tasks, or note data remnants in a useable format.	1	
SPT-AO-34 If the cellular forensic tool supports the interpretation of call logs present on the target device, then the tool shall report recoverable active and deleted call or call log data remnants in a useable format.	1	
SPT-AO-35 If the cellular forensic tool supports the interpretation of SMS messages present on the target device, then the tool shall report recoverable active and deleted SMS messages or SMS message data remnants in a useable format.	1	
SPT-AO-36 If the cellular forensic tool supports the interpretation of EMS messages present on the target device, then the tool shall report recoverable active and deleted EMS messages or EMS message data remnants in a useable format.	1	
SPT-AO-40 If the cellular forensic tool supports display of non-ASCII characters, then the application should present ADN in their native format.	2	
SPT-AO-41 If the cellular forensic tool supports proper display of non-ASCII characters, then the application should present text messages in their native format.	2	
SPT-AO-43 If the cellular forensic tool supports hashing for individual data objects, then the tool shall present the user with a hash value for each supported data object.	2	
SPT-AO-44 If the cellular forensic tool supports acquisition of GPS data, then the tool shall present the user with the longitude and latitude coordinates for all GPS-related data in a useable format.	1	

Table 3b: Assertions Tested: (BlackBerry Torch)

Assertions Tested	Tests	Anomaly
SPT-CA-01 If a cellular forensic tool provides support for connectivity of the target device, then the tool shall successfully recognize the target device via all vendor-supported interfaces (e.g., cable, Bluetooth, IrDA).	1	

Assertions Tested	Tests	Anomaly
SPT-CA-02 If a cellular forensic tool attempts to connect to a nonsupported device, then the tool shall notify the user that the device is not supported.	1	
SPT-CA-03 If connectivity between the mobile device and cellular forensic tool is disrupted, then the tool shall notify the user that connectivity has been disrupted.	1	
SPT-CA-04 If a cellular forensic tool completes acquisition of the target device without error, then the tool shall have the ability to present acquired data objects in a useable format via either a preview pane or generated report.	2	
SPT-CA-05 If a cellular forensic tool completes acquisition of the target device without error, then subscriber-related information shall be presented in a useable format.	1	
SPT-CA-06 If a cellular forensic tool completes acquisition of the target device without error, then equipment-related information shall be presented in a useable format.	1	
SPT-CA-07 If a cellular forensic tool completes acquisition of the target device without error, then address book entries shall be presented in a useable format.	1	
SPT-CA-08 If a cellular forensic tool completes acquisition of the target device without error, then maximum length address book entries shall be presented in a useable format.	1	
SPT-CA-09 If a cellular forensic tool completes acquisition of the target device without error, then address book entries containing special characters shall be presented in a useable format.	1	
SPT-CA-10 If a cellular forensic tool completes acquisition of the target device without error, then address book entries containing blank names shall be presented in a useable format.	1	
SPT-CA-11 If a cellular forensic tool completes acquisition of the target device without error, then email addresses associated with address book entries shall be presented in a useable format.	1	
SPT-CA-12 If a cellular forensic tool completes acquisition of the target device without error, then graphics associated with address book entries shall be presented in a useable format.	1	
SPT-CA-13 If a cellular forensic tool completes acquisition of the target device without error, then datebook, calendar, note entries shall be presented in a useable format.	1	
SPT-CA-14 If a cellular forensic tool completes acquisition of the target device without error, then maximum length datebook, calendar, note entries shall be presented in a useable format.	1	
SPT-CA-15 If a cellular forensic tool completes acquisition of the target device without error, then call logs (incoming/outgoing/missed) shall be presented in a useable format.	1	
SPT-CA-16 If a cellular forensic tool completes acquisition of the target device without error, then the corresponding date/time stamps and the	1	

Assertions Tested	Tests	Anomaly
duration of the call for call logs shall be presented in a useable format.		
SPT-CA-17 If a cellular forensic tool completes acquisition of the target device without error, then ASCII text messages (i.e., SMS, EMS) shall be presented in a useable format.	1	
SPT-CA-18 If a cellular forensic tool completes acquisition of the target device without error, then the corresponding date/time stamps for text messages shall be presented in a useable format.	1	
SPT-CA-19 If a cellular forensic tool completes acquisition of the target device without error, then the corresponding status (i.e., read, unread) for text messages shall be presented in a useable format.	1	
SPT-CA-20 If a cellular forensic tool completes acquisition of the target device without error, then the corresponding sender / recipient phone numbers for text messages shall be presented in a useable format.	1	
SPT-CA-21 If a cellular forensic tool completes acquisition of the target device without error, then MMS messages and associated audio shall be presented in a useable format.	1	3.2
SPT-CA-22 If a cellular forensic tool completes acquisition of the target device without error, then MMS messages and associated graphic files shall be presented in a useable format.	1	3.2
SPT-CA-23 If a cellular forensic tool completes acquisition of the target device without error, then MMS messages and associated video shall be presented in a useable format.	1	3.2
SPT-CA-24 If a cellular forensic tool completes acquisition of the target device without error, then stand-alone audio files shall be presented in a useable format via either an internal application or suggested third-party application.	1	
SPT-CA-25 If a cellular forensic tool completes acquisition of the target device without error, then stand-alone graphic files shall be presented in a useable format via either an internal application or suggested third-party application.	1	
SPT-CA-26 If a cellular forensic tool completes acquisition of the target device without error, then stand-alone video files shall be presented in a useable format via either an internal application or suggested third-party application.	1	
SPT-CA-28 If a cellular forensic tool completes acquisition of the target device without error, then Internet related data (i.e., bookmarks, visited sites) cached to the device shall be acquired and presented in a useable format.	1	
SPT-CA-29 If a cellular forensic tool provides the user with an “Acquire All” device data objects acquisition option, then the tool shall complete the acquisition of all data objects without error.	2	
SPT-CA-30 If a cellular forensic tool provides the user with a “Select All” individual device data objects, then the tool shall complete the acquisition of all individually selected data objects without error.	2	
SPT-CA-31 If a cellular forensic tool provides the user with the ability	2	

Assertions Tested	Tests	Anomaly
to “Select Individual” device data objects for acquisition, then the tool shall acquire each exclusive data object without error.		
SPT-CA-32 If a cellular forensic tool completes two consecutive logical acquisitions of the target device without error, then the payload (data objects) on the mobile device shall remain consistent.	1	
SPT-AO-01 If a cellular forensic tool provides support for connectivity of the target SIM, then the tool shall successfully recognize the target SIM via all tool-supported interfaces (e.g., PC/SC reader, proprietary reader, smart phone itself).	2	
SPT-AO-02 If a cellular forensic tool attempts to connect to a nonsupported SIM, then the tool shall notify the user that the SIM is not supported.	1	
SPT-AO-03 If a cellular forensic tool loses connectivity with the SIM reader, then the tool shall notify the user that connectivity has been disrupted.	1	
SPT-AO-04 If a cellular forensic tool completes acquisition of the target SIM without error, then the SPN shall be presented in a useable format.	1	
SPT-AO-05 If a cellular forensic tool completes acquisition of the target SIM without error, then the ICCID shall be presented in a useable format.	1	
SPT-AO-06 If a cellular forensic tool completes acquisition of the target SIM without error, then the IMSI shall be presented in a useable format.	1	
SPT-AO-07 If a cellular forensic tool completes acquisition of the target SIM without error, then the MSISDN shall be presented in a useable format.	1	
SPT-AO-08 If a cellular forensic tool completes acquisition of the target SIM without error, then ASCII Abbreviated Dialing Numbers (ADN) shall be presented in a useable format.	1	
SPT-AO-09 If a cellular forensic tool completes acquisition of the target SIM without error, then maximum length ADN shall be presented in a useable format.	1	
SPT-AO-10 If a cellular forensic tool completes acquisition of the SIM without error, then ADN containing special characters shall be presented in a useable format.	1	
SPT-AO-11 If a cellular forensic tool completes acquisition of the SIM without error, then ADN containing blank names shall be presented in a useable format.	1	
SPT-AO-12 If a cellular forensic tool completes acquisition of the target SIM without error, then Last Numbers Dialed (LND) shall be presented in a useable format.	1	
SPT-AO-13 If a cellular forensic tool completes acquisition of the target SIM without error, then the corresponding date/time stamps for LNDs shall be presented in a useable format.	1	
SPT-AO-14 If a cellular forensic tool completes acquisition of the target SIM without error, then ASCII SMS text messages shall be presented in	1	

Assertions Tested	Tests	Anomaly
a useable format.		
SPT-AO-15 If a cellular forensic tool completes acquisition of the target SIM without error, then ASCII EMS text messages shall be presented in a useable format.	1	
SPT-AO-16 If a cellular forensic tool completes acquisition of the target SIM without error, then the corresponding date/time stamps for all text messages shall be presented in a useable format.	1	
SPT-AO-17 If a cellular forensic tool completes acquisition of the target SIM without error, then the corresponding status (i.e., read, unread) for text messages shall be presented in a useable format.	1	
SPT-AO-18 If a cellular forensic tool completes acquisition of the target SIM without error, then the corresponding sender / recipient phone numbers for text messages shall be presented in a useable format.	1	
SPT-AO-19 If the cellular forensic tool completes acquisition of the target SIM without error, then deleted text messages that have not been overwritten shall be presented in a useable format.	1	
SPT-AO-20 If a cellular forensic tool completes acquisition of the target SIM without error, then location-related data (i.e., LOCI) shall be presented in a useable format.	1	
SPT-AO-21 If a cellular forensic tool completes acquisition of the target SIM without error, then location-related data (i.e., GRPSLOCI) shall be presented in a useable format.	1	
SPT-AO-22 If a cellular forensic tool provides the user with an “Acquire All” SIM data objects acquisition option, then the tool shall complete the acquisition of all data objects without error.	1	
SPT-AO-23 If a cellular forensic tool provides the user with an “Select All” individual SIM data objects, then the tool shall complete the acquisition of all individually selected data objects without error.	1	
SPT-AO-24 If a cellular forensic tool provides the user with the ability to “Select Individual” SIM data objects for acquisition, then the tool shall acquire each exclusive data object without error.	1	
SPT-AO-25 If a cellular forensic tool completes acquisition of the SIM without error, then the tool shall present the acquired data in a useable format via supported/generated report formats.	2	
SPT-AO-26 If a cellular forensic tool completes acquisition of the SIM without error, then the tool shall present the acquired data in a useable format in a preview pane view.	2	
SPT-AO-27 If the case file or individual data objects are modified via third-party means, then the tool shall provide protection mechanisms disallowing or reporting data modification.	2	
SPT-AO-28 If the SIM is password-protected, then the cellular forensic tool shall provide the examiner with the opportunity to input the PIN before acquisition.	1	
SPT-AO-29 If a cellular forensic tool provides the examiner with the remaining number of authentication attempts, then the application	1	

Assertions Tested	Tests	Anomaly
should provide an accurate count of the remaining PIN attempts.		
SPT-AO-30 If a cellular forensic tool provides the examiner with the remaining number of PUK attempts, then the application should provide an accurate count of the remaining PUK attempts.	1	
SPT-AO-40 If the cellular forensic tool supports display of non-ASCII characters, then the application should present ADN in their native format.	2	3.6
SPT-AO-41 If the cellular forensic tool supports proper display of non-ASCII characters, then the application should present text messages in their native format.	2	
SPT-AO-43 If the cellular forensic tool supports hashing for individual data objects, then the tool shall present the user with a hash value for each supported data object.	2	

Table 3c: Assertions Tested: (Samsung Focus)

Assertions Tested	Tests	Anomaly
SPT-CA-01 If a cellular forensic tool provides support for connectivity of the target device, then the tool shall successfully recognize the target device via all vendor-supported interfaces (e.g., cable, Bluetooth, IrDA).	1	
SPT-CA-02 If a cellular forensic tool attempts to connect to a nonsupported device, then the tool shall notify the user that the device is not supported.	1	
SPT-CA-03 If connectivity between the mobile device and cellular forensic tool is disrupted, then the tool shall notify the user that connectivity has been disrupted.	1	
SPT-CA-04 If a cellular forensic tool completes acquisition of the target device without error, then the tool shall have the ability to present acquired data objects in a useable format via either a preview pane or generated report.	2	
SPT-CA-07 If a cellular forensic tool completes acquisition of the target device without error, then address book entries shall be presented in a useable format.	1	3.1
SPT-CA-08 If a cellular forensic tool completes acquisition of the target device without error, then maximum length address book entries shall be presented in a useable format.	1	
SPT-CA-09 If a cellular forensic tool completes acquisition of the target device without error, then address book entries containing special characters shall be presented in a useable format.	1	
SPT-CA-10 If a cellular forensic tool completes acquisition of the target device without error, then address book entries containing blank names shall be presented in a useable format.	1	
SPT-CA-11 If a cellular forensic tool completes acquisition of the target device without error, then email addresses associated with address book entries shall be presented in a useable format.	1	
SPT-CA-12 If a cellular forensic tool completes acquisition of the target	1	

Assertions Tested	Tests	Anomaly
device without error, then graphics associated with address book entries shall be presented in a useable format.		
SPT-CA-13 If a cellular forensic tool completes acquisition of the target device without error, then datebook, calendar, note entries shall be presented in a useable format.	1	
SPT-CA-14 If a cellular forensic tool completes acquisition of the target device without error, then maximum length datebook, calendar, note entries shall be presented in a useable format.	1	
SPT-CA-29 If a cellular forensic tool provides the user with an "Acquire All" device data objects acquisition option, then the tool shall complete the acquisition of all data objects without error.	2	
SPT-CA-30 If a cellular forensic tool provides the user with a "Select All" individual device data objects, then the tool shall complete the acquisition of all individually selected data objects without error.	2	
SPT-CA-31 If a cellular forensic tool provides the user with the ability to "Select Individual" device data objects for acquisition, then the tool shall acquire each exclusive data object without error.	2	
SPT-CA-32 If a cellular forensic tool completes two consecutive logical acquisitions of the target device without error, then the payload (data objects) on the mobile device shall remain consistent.	1	
SPT-AO-01 If a cellular forensic tool provides support for connectivity of the target SIM, then the tool shall successfully recognize the target SIM via all tool-supported interfaces (e.g., PC/SC reader, proprietary reader, smart phone itself).	2	
SPT-AO-02 If a cellular forensic tool attempts to connect to a nonsupported SIM, then the tool shall notify the user that the SIM is not supported.	1	
SPT-AO-03 If a cellular forensic tool loses connectivity with the SIM reader, then the tool shall notify the user that connectivity has been disrupted.	1	
SPT-AO-04 If a cellular forensic tool completes acquisition of the target SIM without error, then the SPN shall be presented in a useable format.	1	
SPT-AO-05 If a cellular forensic tool completes acquisition of the target SIM without error, then the ICCID shall be presented in a useable format.	1	
SPT-AO-06 If a cellular forensic tool completes acquisition of the target SIM without error, then the IMSI shall be presented in a useable format.	1	
SPT-AO-07 If a cellular forensic tool completes acquisition of the target SIM without error, then the MSISDN shall be presented in a useable format.	1	
SPT-AO-08 If a cellular forensic tool completes acquisition of the target SIM without error, then ASCII Abbreviated Dialing Numbers (ADN) shall be presented in a useable format.	1	
SPT-AO-09 If a cellular forensic tool completes acquisition of the target SIM without error, then maximum length ADN shall be presented in a	1	

Assertions Tested	Tests	Anomaly
useable format.		
SPT-AO-10 If a cellular forensic tool completes acquisition of the SIM without error, then ADN containing special characters shall be presented in a useable format.	1	
SPT-AO-11 If a cellular forensic tool completes acquisition of the SIM without error, then ADN containing blank names shall be presented in a useable format.	1	
SPT-AO-12 If a cellular forensic tool completes acquisition of the target SIM without error, then Last Numbers Dialed (LND) shall be presented in a useable format.	1	
SPT-AO-13 If a cellular forensic tool completes acquisition of the target SIM without error, then the corresponding date/time stamps for LNDs shall be presented in a useable format.	1	
SPT-AO-14 If a cellular forensic tool completes acquisition of the target SIM without error, then ASCII SMS text messages shall be presented in a useable format.	1	
SPT-AO-15 If a cellular forensic tool completes acquisition of the target SIM without error, then ASCII EMS text messages shall be presented in a useable format.	1	
SPT-AO-16 If a cellular forensic tool completes acquisition of the target SIM without error, then the corresponding date/time stamps for all text messages shall be presented in a useable format.	1	
SPT-AO-17 If a cellular forensic tool completes acquisition of the target SIM without error, then the corresponding status (i.e., read, unread) for text messages shall be presented in a useable format.	1	
SPT-AO-18 If a cellular forensic tool completes acquisition of the target SIM without error, then the corresponding sender / recipient phone numbers for text messages shall be presented in a useable format.	1	
SPT-AO-19 If the cellular forensic tool completes acquisition of the target SIM without error, then deleted text messages that have not been overwritten shall be presented in a useable format.	1	
SPT-AO-20 If a cellular forensic tool completes acquisition of the target SIM without error, then location-related data (i.e., LOCI) shall be presented in a useable format.	1	
SPT-AO-21 If a cellular forensic tool completes acquisition of the target SIM without error, then location-related data (i.e., GRPSLOCI) shall be presented in a useable format.	1	
SPT-AO-22 If a cellular forensic tool provides the user with an “Acquire All” SIM data objects acquisition option, then the tool shall complete the acquisition of all data objects without error.	1	
SPT-AO-23 If a cellular forensic tool provides the user with an “Select All” individual SIM data objects, then the tool shall complete the acquisition of all individually selected data objects without error.	1	
SPT-AO-24 If a cellular forensic tool provides the user with the ability to “Select Individual” SIM data objects for acquisition, then the tool	1	

Assertions Tested	Tests	Anomaly
shall acquire each exclusive data object without error.		
SPT-AO-25 If a cellular forensic tool completes acquisition of the SIM without error, then the tool shall present the acquired data in a useable format via supported/generated report formats.	2	
SPT-AO-26 If a cellular forensic tool completes acquisition of the SIM without error, then the tool shall present the acquired data in a useable format in a preview pane view.	2	
SPT-AO-27 If the case file or individual data objects are modified via third-party means, then the tool shall provide protection mechanisms disallowing or reporting data modification.	2	
SPT-AO-28 If the SIM is password-protected, then the cellular forensic tool shall provide the examiner with the opportunity to input the PIN before acquisition.	1	
SPT-AO-29 If a cellular forensic tool provides the examiner with the remaining number of authentication attempts, then the application should provide an accurate count of the remaining PIN attempts.	1	
SPT-AO-30 If a cellular forensic tool provides the examiner with the remaining number of PUK attempts, then the application should provide an accurate count of the remaining PUK attempts.	1	
SPT-AO-40 If the cellular forensic tool supports display of non-ASCII characters, then the application should present ADN in their native format.	2	
SPT-AO-41 If the cellular forensic tool supports proper display of non-ASCII characters, then the application should present text messages in their native format.	2	
SPT-AO-43 If the cellular forensic tool supports hashing for individual data objects, then the tool shall present the user with a hash value for each supported data object.	2	

Table 3d: Assertions Tested: (Nokia 6350)

Assertions Tested	Tests	Anomaly
SPT-CA-01 If a cellular forensic tool provides support for connectivity of the target device, then the tool shall successfully recognize the target device via all vendor-supported interfaces (e.g., cable, Bluetooth, IrDA).	1	
SPT-CA-02 If a cellular forensic tool attempts to connect to a nonsupported device, then the tool shall notify the user that the device is not supported.	1	
SPT-CA-03 If connectivity between the mobile device and cellular forensic tool is disrupted, then the tool shall notify the user that connectivity has been disrupted.	1	
SPT-CA-04 If a cellular forensic tool completes acquisition of the target device without error, then the tool shall have the ability to present acquired data objects in a useable format via either a preview pane or generated report.	2	
SPT-CA-05 If a cellular forensic tool completes acquisition of the target	1	

Assertions Tested	Tests	Anomaly
device without error, then subscriber-related information shall be presented in a useable format.		
SPT-CA-06 If a cellular forensic tool completes acquisition of the target device without error, then equipment-related information shall be presented in a useable format.	1	
SPT-CA-07 If a cellular forensic tool completes acquisition of the target device without error, then address book entries shall be presented in a useable format.	1	
SPT-CA-08 If a cellular forensic tool completes acquisition of the target device without error, then maximum length address book entries shall be presented in a useable format.	1	
SPT-CA-09 If a cellular forensic tool completes acquisition of the target device without error, then address book entries containing special characters shall be presented in a useable format.	1	
SPT-CA-10 If a cellular forensic tool completes acquisition of the target device without error, then address book entries containing blank names shall be presented in a useable format.	1	
SPT-CA-11 If a cellular forensic tool completes acquisition of the target device without error, then email addresses associated with address book entries shall be presented in a useable format.	1	
SPT-CA-12 If a cellular forensic tool completes acquisition of the target device without error, then graphics associated with address book entries shall be presented in a useable format.	1	
SPT-CA-13 If a cellular forensic tool completes acquisition of the target device without error, then datebook, calendar, note entries shall be presented in a useable format.	1	
SPT-CA-14 If a cellular forensic tool completes acquisition of the target device without error, then maximum length datebook, calendar, note entries shall be presented in a useable format.	1	
SPT-CA-15 If a cellular forensic tool completes acquisition of the target device without error, then call logs (incoming/outgoing/missed) shall be presented in a useable format.	1	
SPT-CA-16 If a cellular forensic tool completes acquisition of the target device without error, then the corresponding date/time stamps and the duration of the call for call logs shall be presented in a useable format.	1	
SPT-CA-17 If a cellular forensic tool completes acquisition of the target device without error, then ASCII text messages (i.e., SMS, EMS) shall be presented in a useable format.	1	
SPT-CA-18 If a cellular forensic tool completes acquisition of the target device without error, then the corresponding date/time stamps for text messages shall be presented in a useable format.	1	
SPT-CA-19 If a cellular forensic tool completes acquisition of the target device without error, then the corresponding status (i.e., read, unread) for text messages shall be presented in a useable format.	1	
SPT-CA-20 If a cellular forensic tool completes acquisition of the target	1	

Assertions Tested	Tests	Anomaly
device without error, then the corresponding sender / recipient phone numbers for text messages shall be presented in a useable format.		
SPT-CA-21 If a cellular forensic tool completes acquisition of the target device without error, then MMS messages and associated audio shall be presented in a useable format.	1	3.2
SPT-CA-22 If a cellular forensic tool completes acquisition of the target device without error, then MMS messages and associated graphic files shall be presented in a useable format.	1	3.2
SPT-CA-23 If a cellular forensic tool completes acquisition of the target device without error, then MMS messages and associated video shall be presented in a useable format.	1	3.2
SPT-CA-24 If a cellular forensic tool completes acquisition of the target device without error, then stand-alone audio files shall be presented in a useable format via either an internal application or suggested third-party application.	1	
SPT-CA-25 If a cellular forensic tool completes acquisition of the target device without error, then stand-alone graphic files shall be presented in a useable format via either an internal application or suggested third-party application.	1	
SPT-CA-26 If a cellular forensic tool completes acquisition of the target device without error, then stand-alone video files shall be presented in a useable format via either an internal application or suggested third-party application.	1	
SPT-CA-29 If a cellular forensic tool provides the user with an "Acquire All" device data objects acquisition option, then the tool shall complete the acquisition of all data objects without error.	2	
SPT-CA-30 If a cellular forensic tool provides the user with a "Select All" individual device data objects, then the tool shall complete the acquisition of all individually selected data objects without error.	2	
SPT-CA-31 If a cellular forensic tool provides the user with the ability to "Select Individual" device data objects for acquisition, then the tool shall acquire each exclusive data object without error.	2	
SPT-CA-32 If a cellular forensic tool completes two consecutive logical acquisitions of the target device without error, then the payload (data objects) on the mobile device shall remain consistent.	1	
SPT-AO-01 If a cellular forensic tool provides support for connectivity of the target SIM, then the tool shall successfully recognize the target SIM via all tool-supported interfaces (e.g., PC/SC reader, proprietary reader, smart phone itself).	2	
SPT-AO-02 If a cellular forensic tool attempts to connect to a nonsupported SIM, then the tool shall notify the user that the SIM is not supported.	1	
SPT-AO-03 If a cellular forensic tool loses connectivity with the SIM reader, then the tool shall notify the user that connectivity has been disrupted.	1	

Assertions Tested	Tests	Anomaly
SPT-AO-04 If a cellular forensic tool completes acquisition of the target SIM without error, then the SPN shall be presented in a useable format.	1	
SPT-AO-05 If a cellular forensic tool completes acquisition of the target SIM without error, then the ICCID shall be presented in a useable format.	1	
SPT-AO-06 If a cellular forensic tool completes acquisition of the target SIM without error, then the IMSI shall be presented in a useable format.	1	
SPT-AO-07 If a cellular forensic tool completes acquisition of the target SIM without error, then the MSISDN shall be presented in a useable format.	1	
SPT-AO-08 If a cellular forensic tool completes acquisition of the target SIM without error, then ASCII Abbreviated Dialing Numbers (ADN) shall be presented in a useable format.	1	
SPT-AO-09 If a cellular forensic tool completes acquisition of the target SIM without error, then maximum length ADN shall be presented in a useable format.	1	
SPT-AO-10 If a cellular forensic tool completes acquisition of the SIM without error, then ADN containing special characters shall be presented in a useable format.	1	
SPT-AO-11 If a cellular forensic tool completes acquisition of the SIM without error, then ADN containing blank names shall be presented in a useable format.	1	
SPT-AO-12 If a cellular forensic tool completes acquisition of the target SIM without error, then Last Numbers Dialed (LND) shall be presented in a useable format.	1	
SPT-AO-13 If a cellular forensic tool completes acquisition of the target SIM without error, then the corresponding date/time stamps for LNDs shall be presented in a useable format.	1	
SPT-AO-14 If a cellular forensic tool completes acquisition of the target SIM without error, then ASCII SMS text messages shall be presented in a useable format.	1	
SPT-AO-15 If a cellular forensic tool completes acquisition of the target SIM without error, then ASCII EMS text messages shall be presented in a useable format.	1	
SPT-AO-16 If a cellular forensic tool completes acquisition of the target SIM without error, then the corresponding date/time stamps for all text messages shall be presented in a useable format.	1	
SPT-AO-17 If a cellular forensic tool completes acquisition of the target SIM without error, then the corresponding status (i.e., read, unread) for text messages shall be presented in a useable format.	1	
SPT-AO-18 If a cellular forensic tool completes acquisition of the target SIM without error, then the corresponding sender / recipient phone numbers for text messages shall be presented in a useable format.	1	
SPT-AO-19 If the cellular forensic tool completes acquisition of the target SIM without error, then deleted text messages that have not been	1	

Assertions Tested	Tests	Anomaly
overwritten shall be presented in a useable format.		
SPT-AO-20 If a cellular forensic tool completes acquisition of the target SIM without error, then location-related data (i.e., LOCI) shall be presented in a useable format.	1	
SPT-AO-21 If a cellular forensic tool completes acquisition of the target SIM without error, then location-related data (i.e., GRPSLOCI) shall be presented in a useable format.	1	
SPT-AO-22 If a cellular forensic tool provides the user with an "Acquire All" SIM data objects acquisition option, then the tool shall complete the acquisition of all data objects without error.	1	
SPT-AO-23 If a cellular forensic tool provides the user with an "Select All" individual SIM data objects, then the tool shall complete the acquisition of all individually selected data objects without error.	1	
SPT-AO-24 If a cellular forensic tool provides the user with the ability to "Select Individual" SIM data objects for acquisition, then the tool shall acquire each exclusive data object without error.	1	
SPT-AO-25 If a cellular forensic tool completes acquisition of the SIM without error, then the tool shall present the acquired data in a useable format via supported/generated report formats.	2	
SPT-AO-26 If a cellular forensic tool completes acquisition of the SIM without error, then the tool shall present the acquired data in a useable format in a preview pane view.	2	
SPT-AO-27 If the case file or individual data objects are modified via third-party means, then the tool shall provide protection mechanisms disallowing or reporting data modification.	2	
SPT-AO-28 If the SIM is password-protected, then the cellular forensic tool shall provide the examiner with the opportunity to input the PIN before acquisition.	1	
SPT-AO-29 If a cellular forensic tool provides the examiner with the remaining number of authentication attempts, then the application should provide an accurate count of the remaining PIN attempts.	1	
SPT-AO-30 If a cellular forensic tool provides the examiner with the remaining number of PUK attempts, then the application should provide an accurate count of the remaining PUK attempts.	1	
SPT-AO-40 If the cellular forensic tool supports display of non-ASCII characters, then the application should present ADN in their native format.	2	
SPT-AO-41 If the cellular forensic tool supports proper display of non-ASCII characters, then the application should present text messages in their native format.	2	
SPT-AO-43 If the cellular forensic tool supports hashing for individual data objects, then the tool shall present the user with a hash value for each supported data object.	2	

Table 3e: Assertions Tested: (Motorola Tundra)

Assertions Tested	Tests	Anomaly
SPT-CA-01 If a cellular forensic tool provides support for connectivity of the target device, then the tool shall successfully recognize the target device via all vendor-supported interfaces (e.g., cable, Bluetooth, IrDA).	1	
SPT-CA-02 If a cellular forensic tool attempts to connect to a nonsupported device, then the tool shall notify the user that the device is not supported.	1	
SPT-CA-03 If connectivity between the mobile device and cellular forensic tool is disrupted, then the tool shall notify the user that connectivity has been disrupted.	1	
SPT-CA-04 If a cellular forensic tool completes acquisition of the target device without error, then the tool shall have the ability to present acquired data objects in a useable format via either a preview pane or generated report.	2	
SPT-CA-05 If a cellular forensic tool completes acquisition of the target device without error, then subscriber-related information shall be presented in a useable format.	1	
SPT-CA-06 If a cellular forensic tool completes acquisition of the target device without error, then equipment-related information shall be presented in a useable format.	1	
SPT-CA-07 If a cellular forensic tool completes acquisition of the target device without error, then address book entries shall be presented in a useable format.	1	3.1
SPT-CA-08 If a cellular forensic tool completes acquisition of the target device without error, then maximum length address book entries shall be presented in a useable format.	1	
SPT-CA-09 If a cellular forensic tool completes acquisition of the target device without error, then address book entries containing special characters shall be presented in a useable format.	1	
SPT-CA-10 If a cellular forensic tool completes acquisition of the target device without error, then address book entries containing blank names shall be presented in a useable format.	1	
SPT-CA-11 If a cellular forensic tool completes acquisition of the target device without error, then email addresses associated with address book entries shall be presented in a useable format.	1	
SPT-CA-12 If a cellular forensic tool completes acquisition of the target device without error, then graphics associated with address book entries shall be presented in a useable format.	1	
SPT-CA-13 If a cellular forensic tool completes acquisition of the target device without error, then datebook, calendar, note entries shall be presented in a useable format.	1	3.1
SPT-CA-14 If a cellular forensic tool completes acquisition of the target device without error, then maximum length datebook, calendar, note entries shall be presented in a useable format.	1	
SPT-CA-15 If a cellular forensic tool completes acquisition of the target device without error, then call logs (incoming/outgoing/missed) shall be	1	3.3

Assertions Tested	Tests	Anomaly
presented in a useable format.		
SPT-CA-16 If a cellular forensic tool completes acquisition of the target device without error, then the corresponding date/time stamps and the duration of the call for call logs shall be presented in a useable format.	1	3.3
SPT-CA-24 If a cellular forensic tool completes acquisition of the target device without error, then stand-alone audio files shall be presented in a useable format via either an internal application or suggested third-party application.	1	
SPT-CA-25 If a cellular forensic tool completes acquisition of the target device without error, then stand-alone graphic files shall be presented in a useable format via either an internal application or suggested third-party application.	1	
SPT-CA-26 If a cellular forensic tool completes acquisition of the target device without error, then stand-alone video files shall be presented in a useable format via either an internal application or suggested third-party application.	1	
SPT-CA-29 If a cellular forensic tool provides the user with an "Acquire All" device data objects acquisition option, then the tool shall complete the acquisition of all data objects without error.	2	3.7
SPT-CA-30 If a cellular forensic tool provides the user with a "Select All" individual device data objects, then the tool shall complete the acquisition of all individually selected data objects without error.	2	3.7
SPT-CA-31 If a cellular forensic tool provides the user with the ability to "Select Individual" device data objects for acquisition, then the tool shall acquire each exclusive data object without error.	2	3.7
SPT-CA-32 If a cellular forensic tool completes two consecutive logical acquisitions of the target device without error, then the payload (data objects) on the mobile device shall remain consistent.	1	
SPT-AO-01 If a cellular forensic tool provides support for connectivity of the target SIM, then the tool shall successfully recognize the target SIM via all tool-supported interfaces (e.g., PC/SC reader, proprietary reader, smart phone itself).	2	
SPT-AO-02 If a cellular forensic tool attempts to connect to a nonsupported SIM, then the tool shall notify the user that the SIM is not supported.	1	
SPT-AO-03 If a cellular forensic tool loses connectivity with the SIM reader, then the tool shall notify the user that connectivity has been disrupted.	1	
SPT-AO-04 If a cellular forensic tool completes acquisition of the target SIM without error, then the SPN shall be presented in a useable format.	1	
SPT-AO-05 If a cellular forensic tool completes acquisition of the target SIM without error, then the ICCID shall be presented in a useable format.	1	
SPT-AO-06 If a cellular forensic tool completes acquisition of the target SIM without error, then the IMSI shall be presented in a useable format.	1	

Assertions Tested	Tests	Anomaly
SPT-AO-07 If a cellular forensic tool completes acquisition of the target SIM without error, then the MSISDN shall be presented in a useable format.	1	
SPT-AO-08 If a cellular forensic tool completes acquisition of the target SIM without error, then ASCII Abbreviated Dialing Numbers (ADN) shall be presented in a useable format.	1	
SPT-AO-09 If a cellular forensic tool completes acquisition of the target SIM without error, then maximum length ADN shall be presented in a useable format.	1	
SPT-AO-10 If a cellular forensic tool completes acquisition of the SIM without error, then ADN containing special characters shall be presented in a useable format.	1	
SPT-AO-11 If a cellular forensic tool completes acquisition of the SIM without error, then ADN containing blank names shall be presented in a useable format.	1	
SPT-AO-12 If a cellular forensic tool completes acquisition of the target SIM without error, then Last Numbers Dialed (LND) shall be presented in a useable format.	1	
SPT-AO-13 If a cellular forensic tool completes acquisition of the target SIM without error, then the corresponding date/time stamps for LNDs shall be presented in a useable format.	1	
SPT-AO-14 If a cellular forensic tool completes acquisition of the target SIM without error, then ASCII SMS text messages shall be presented in a useable format.	1	
SPT-AO-15 If a cellular forensic tool completes acquisition of the target SIM without error, then ASCII EMS text messages shall be presented in a useable format.	1	
SPT-AO-16 If a cellular forensic tool completes acquisition of the target SIM without error, then the corresponding date/time stamps for all text messages shall be presented in a useable format.	1	
SPT-AO-17 If a cellular forensic tool completes acquisition of the target SIM without error, then the corresponding status (i.e., read, unread) for text messages shall be presented in a useable format.	1	
SPT-AO-18 If a cellular forensic tool completes acquisition of the target SIM without error, then the corresponding sender / recipient phone numbers for text messages shall be presented in a useable format.	1	
SPT-AO-19 If the cellular forensic tool completes acquisition of the target SIM without error, then deleted text messages that have not been overwritten shall be presented in a useable format.	1	
SPT-AO-20 If a cellular forensic tool completes acquisition of the target SIM without error, then location-related data (i.e., LOCI) shall be presented in a useable format.	1	
SPT-AO-21 If a cellular forensic tool completes acquisition of the target SIM without error, then location-related data (i.e., GRPSLOCI) shall be presented in a useable format.	1	

Assertions Tested	Tests	Anomaly
SPT-AO-22 If a cellular forensic tool provides the user with an "Acquire All" SIM data objects acquisition option, then the tool shall complete the acquisition of all data objects without error.	1	
SPT-AO-23 If a cellular forensic tool provides the user with an "Select All" individual SIM data objects, then the tool shall complete the acquisition of all individually selected data objects without error.	1	
SPT-AO-24 If a cellular forensic tool provides the user with the ability to "Select Individual" SIM data objects for acquisition, then the tool shall acquire each exclusive data object without error.	1	
SPT-AO-25 If a cellular forensic tool completes acquisition of the SIM without error, then the tool shall present the acquired data in a useable format via supported/generated report formats.	2	
SPT-AO-26 If a cellular forensic tool completes acquisition of the SIM without error, then the tool shall present the acquired data in a useable format in a preview pane view.	2	
SPT-AO-27 If the case file or individual data objects are modified via third-party means, then the tool shall provide protection mechanisms disallowing or reporting data modification.	2	
SPT-AO-28 If the SIM is password-protected, then the cellular forensic tool shall provide the examiner with the opportunity to input the PIN before acquisition.	1	
SPT-AO-29 If a cellular forensic tool provides the examiner with the remaining number of authentication attempts, then the application should provide an accurate count of the remaining PIN attempts.	1	
SPT-AO-30 If a cellular forensic tool provides the examiner with the remaining number of PUK attempts, then the application should provide an accurate count of the remaining PUK attempts.	1	
SPT-AO-40 If the cellular forensic tool supports display of non-ASCII characters, then the application should present ADN in their native format.	1	
SPT-AO-41 If the cellular forensic tool supports proper display of non-ASCII characters, then the application should present text messages in their native format.	1	
SPT-AO-43 If the cellular forensic tool supports hashing for individual data objects, then the tool shall present the user with a hash value for each supported data object.	2	

Table 3f: Assertions Tested: (iPhone4 CDMA)

Assertions Tested	Tests	Anomaly
SPT-CA-01 If a cellular forensic tool provides support for connectivity of the target device, then the tool shall successfully recognize the target device via all vendor-supported interfaces (e.g., cable, Bluetooth, IrDA).	1	
SPT-CA-02 If a cellular forensic tool attempts to connect to a nonsupported device, then the tool shall notify the user that the device is not supported.	1	

Assertions Tested	Tests	Anomaly
SPT-CA-03 If connectivity between the mobile device and cellular forensic tool is disrupted, then the tool shall notify the user that connectivity has been disrupted.	1	
SPT-CA-04 If a cellular forensic tool completes acquisition of the target device without error, then the tool shall have the ability to present acquired data objects in a useable format via either a preview pane or generated report.	2	
SPT-CA-05 If a cellular forensic tool completes acquisition of the target device without error, then subscriber-related information shall be presented in a useable format.	1	
SPT-CA-06 If a cellular forensic tool completes acquisition of the target device without error, then equipment-related information shall be presented in a useable format.	1	
SPT-CA-07 If a cellular forensic tool completes acquisition of the target device without error, then address book entries shall be presented in a useable format.	1	
SPT-CA-08 If a cellular forensic tool completes acquisition of the target device without error, then maximum length address book entries shall be presented in a useable format.	1	
SPT-CA-09 If a cellular forensic tool completes acquisition of the target device without error, then address book entries containing special characters shall be presented in a useable format.	1	
SPT-CA-10 If a cellular forensic tool completes acquisition of the target device without error, then address book entries containing blank names shall be presented in a useable format.	1	
SPT-CA-11 If a cellular forensic tool completes acquisition of the target device without error, then email addresses associated with address book entries shall be presented in a useable format.	1	
SPT-CA-12 If a cellular forensic tool completes acquisition of the target device without error, then graphics associated with address book entries shall be presented in a useable format.	1	3.1
SPT-CA-13 If a cellular forensic tool completes acquisition of the target device without error, then datebook, calendar, note entries shall be presented in a useable format.	1	
SPT-CA-14 If a cellular forensic tool completes acquisition of the target device without error, then maximum length datebook, calendar, note entries shall be presented in a useable format.	1	
SPT-CA-15 If a cellular forensic tool completes acquisition of the target device without error, then call logs (incoming/outgoing/missed) shall be presented in a useable format.	1	
SPT-CA-16 If a cellular forensic tool completes acquisition of the target device without error, then the corresponding date/time stamps and the duration of the call for call logs shall be presented in a useable format.	1	
SPT-CA-17 If a cellular forensic tool completes acquisition of the target device without error, then ASCII text messages (i.e., SMS, EMS) shall	1	

Assertions Tested	Tests	Anomaly
be presented in a useable format.		
SPT-CA-18 If a cellular forensic tool completes acquisition of the target device without error, then the corresponding date/time stamps for text messages shall be presented in a useable format.	1	
SPT-CA-19 If a cellular forensic tool completes acquisition of the target device without error, then the corresponding status (i.e., read, unread) for text messages shall be presented in a useable format.	1	
SPT-CA-20 If a cellular forensic tool completes acquisition of the target device without error, then the corresponding sender / recipient phone numbers for text messages shall be presented in a useable format.	1	
SPT-CA-21 If a cellular forensic tool completes acquisition of the target device without error, then MMS messages and associated audio shall be presented in a useable format.	1	
SPT-CA-22 If a cellular forensic tool completes acquisition of the target device without error, then MMS messages and associated graphic files shall be presented in a useable format.	1	
SPT-CA-23 If a cellular forensic tool completes acquisition of the target device without error, then MMS messages and associated video shall be presented in a useable format.	1	
SPT-CA-24 If a cellular forensic tool completes acquisition of the target device without error, then stand-alone audio files shall be presented in a useable format via either an internal application or suggested third-party application.	1	
SPT-CA-25 If a cellular forensic tool completes acquisition of the target device without error, then stand-alone graphic files shall be presented in a useable format via either an internal application or suggested third-party application.	1	
SPT-CA-26 If a cellular forensic tool completes acquisition of the target device without error, then stand-alone video files shall be presented in a useable format via either an internal application or suggested third-party application.	1	
SPT-CA-28 If a cellular forensic tool completes acquisition of the target device without error, then Internet related data (i.e., bookmarks, visited sites) cached to the device shall be acquired and presented in a useable format.	1	
SPT-CA-29 If a cellular forensic tool provides the user with an “Acquire All” device data objects acquisition option, then the tool shall complete the acquisition of all data objects without error.	2	
SPT-CA-30 If a cellular forensic tool provides the user with a “Select All” individual device data objects, then the tool shall complete the acquisition of all individually selected data objects without error.	2	
SPT-CA-31 If a cellular forensic tool provides the user with the ability to “Select Individual” device data objects for acquisition, then the tool shall acquire each exclusive data object without error.	2	
SPT-CA-32 If a cellular forensic tool completes two consecutive logical	1	

Assertions Tested	Tests	Anomaly
acquisitions of the target device without error, then the payload (data objects) on the mobile device shall remain consistent.		
SPT-AO-25 If a cellular forensic tool completes acquisition of the target device without error, then the tool shall present the acquired data in a useable format via supported/generated report formats.	1	
SPT-AO-26 If a cellular forensic tool completes acquisition of the target device without error, then the tool shall present the acquired data in a useable format in a preview pane view.	1	
SPT-AO-27 If the case file or individual data objects are modified via third-party means, then the tool shall provide protection mechanisms disallowing or reporting data modification.	1	
SPT-AO-31 If the cellular forensic tool supports a physical acquisition of the target device, then the tool shall complete the acquisition without error.	1	
SPT-AO-32 If the cellular forensic tool supports the interpretation of address book entries present on the target device, then the tool shall report recoverable active and deleted data or address book data remnants in a useable format.	1	
SPT-AO-33 If the cellular forensic tool supports the interpretation of calendar, tasks, or notes present on the target device, then the tool shall report recoverable active and deleted calendar, tasks, or note data remnants in a useable format.	1	
SPT-AO-34 If the cellular forensic tool supports the interpretation of call logs present on the target device, then the tool shall report recoverable active and deleted call or call log data remnants in a useable format.	1	
SPT-AO-35 If the cellular forensic tool supports the interpretation of SMS messages present on the target device, then the tool shall report recoverable active and deleted SMS messages or SMS message data remnants in a useable format.	1	
SPT-AO-36 If the cellular forensic tool supports the interpretation of EMS messages present on the target device, then the tool shall report recoverable active and deleted EMS messages or EMS message data remnants in a useable format.	1	
SPT-AO-40 If the cellular forensic tool supports display of non-ASCII characters, then the application should present address book entries in their native format.	1	
SPT-AO-41 If the cellular forensic tool supports proper display of non-ASCII characters, then the application should present text messages in their native format.	1	
SPT-AO-43 If the cellular forensic tool supports hashing for individual data objects, then the tool shall present the user with a hash value for each supported data object.	1	
SPT-AO-44 If the cellular forensic tool supports acquisition of GPS data, then the tool shall present the user with the longitude and latitude	1	

Assertions Tested	Tests	Anomaly
coordinates for all GPS-related data in a useable format.		

Table 3g: Assertions Tested: (HTC Thunderbolt)

Assertions Tested	Tests	Anomaly
SPT-CA-01 If a cellular forensic tool provides support for connectivity of the target device, then the tool shall successfully recognize the target device via all vendor-supported interfaces (e.g., cable, Bluetooth, IrDA).	1	
SPT-CA-02 If a cellular forensic tool attempts to connect to a nonsupported device, then the tool shall notify the user that the device is not supported.	1	
SPT-CA-03 If connectivity between the mobile device and cellular forensic tool is disrupted, then the tool shall notify the user that connectivity has been disrupted.	1	
SPT-CA-04 If a cellular forensic tool completes acquisition of the target device without error, then the tool shall have the ability to present acquired data objects in a useable format via either a preview pane or generated report.	2	
SPT-CA-05 If a cellular forensic tool completes acquisition of the target device without error, then subscriber-related information shall be presented in a useable format.	1	
SPT-CA-06 If a cellular forensic tool completes acquisition of the target device without error, then equipment-related information shall be presented in a useable format.	1	
SPT-CA-07 If a cellular forensic tool completes acquisition of the target device without error, then address book entries shall be presented in a useable format.	1	
SPT-CA-08 If a cellular forensic tool completes acquisition of the target device without error, then maximum length address book entries shall be presented in a useable format.	1	
SPT-CA-09 If a cellular forensic tool completes acquisition of the target device without error, then address book entries containing special characters shall be presented in a useable format.	1	
SPT-CA-10 If a cellular forensic tool completes acquisition of the target device without error, then address book entries containing blank names shall be presented in a useable format.	1	
SPT-CA-11 If a cellular forensic tool completes acquisition of the target device without error, then email addresses associated with address book entries shall be presented in a useable format.	1	
SPT-CA-12 If a cellular forensic tool completes acquisition of the target device without error, then graphics associated with address book entries shall be presented in a useable format.	1	3.1
SPT-CA-13 If a cellular forensic tool completes acquisition of the target device without error, then datebook, calendar, note entries shall be presented in a useable format.	1	

Assertions Tested	Tests	Anomaly
SPT-CA-14 If a cellular forensic tool completes acquisition of the target device without error, then maximum length datebook, calendar, note entries shall be presented in a useable format.	1	
SPT-CA-15 If a cellular forensic tool completes acquisition of the target device without error, then call logs (incoming/outgoing/missed) shall be presented in a useable format.	1	
SPT-CA-16 If a cellular forensic tool completes acquisition of the target device without error, then the corresponding date/time stamps and the duration of the call for call logs shall be presented in a useable format.	1	
SPT-CA-17 If a cellular forensic tool completes acquisition of the target device without error, then ASCII text messages (i.e., SMS, EMS) shall be presented in a useable format.	1	
SPT-CA-18 If a cellular forensic tool completes acquisition of the target device without error, then the corresponding date/time stamps for text messages shall be presented in a useable format.	1	
SPT-CA-19 If a cellular forensic tool completes acquisition of the target device without error, then the corresponding status (i.e., read, unread) for text messages shall be presented in a useable format.	1	
SPT-CA-20 If a cellular forensic tool completes acquisition of the target device without error, then the corresponding sender / recipient phone numbers for text messages shall be presented in a useable format.	1	
SPT-CA-21 If a cellular forensic tool completes acquisition of the target device without error, then MMS messages and associated audio shall be presented in a useable format.	1	3.2
SPT-CA-22 If a cellular forensic tool completes acquisition of the target device without error, then MMS messages and associated graphic files shall be presented in a useable format.	1	3.2
SPT-CA-23 If a cellular forensic tool completes acquisition of the target device without error, then MMS messages and associated video shall be presented in a useable format.	1	3.2
SPT-CA-24 If a cellular forensic tool completes acquisition of the target device without error, then stand-alone audio files shall be presented in a useable format via either an internal application or suggested third-party application.	1	
SPT-CA-25 If a cellular forensic tool completes acquisition of the target device without error, then stand-alone graphic files shall be presented in a useable format via either an internal application or suggested third-party application.	1	
SPT-CA-26 If a cellular forensic tool completes acquisition of the target device without error, then stand-alone video files shall be presented in a useable format via either an internal application or suggested third-party application.	1	
SPT-CA-29 If a cellular forensic tool provides the user with an "Acquire All" device data objects acquisition option, then the tool shall complete the acquisition of all data objects without error.	2	

Assertions Tested	Tests	Anomaly
SPT-CA-30 If a cellular forensic tool provides the user with a “Select All” individual device data objects, then the tool shall complete the acquisition of all individually selected data objects without error.	2	
SPT-CA-31 If a cellular forensic tool provides the user with the ability to “Select Individual” device data objects for acquisition, then the tool shall acquire each exclusive data object without error.	2	
SPT-CA-32 If a cellular forensic tool completes two consecutive logical acquisitions of the target device without error, then the payload (data objects) on the mobile device shall remain consistent.	1	
SPT-AO-25 If a cellular forensic tool completes acquisition of the target device without error, then the tool shall present the acquired data in a useable format via supported/generated report formats.	1	
SPT-AO-26 If a cellular forensic tool completes acquisition of the target device without error, then the tool shall present the acquired data in a useable format in a preview pane view.	1	
SPT-AO-27 If the case file or individual data objects are modified via third-party means, then the tool shall provide protection mechanisms disallowing or reporting data modification.	1	
SPT-AO-40 If the cellular forensic tool supports display of non-ASCII characters, then the application should present address book entries in their native format.	1	
SPT-AO-41 If the cellular forensic tool supports proper display of non-ASCII characters, then the application should present text messages in their native format.	1	
SPT-AO-43 If the cellular forensic tool supports hashing for individual data objects, then the tool shall present the user with a hash value for each supported data object.	1	

Table 3h: Assertions Tested: (Palm Pre2)

Assertions Tested	Tests	Anomaly
SPT-CA-01 If a cellular forensic tool provides support for connectivity of the target device, then the tool shall successfully recognize the target device via all vendor-supported interfaces (e.g., cable, Bluetooth, IrDA).	1	
SPT-CA-02 If a cellular forensic tool attempts to connect to a nonsupported device, then the tool shall notify the user that the device is not supported.	1	
SPT-CA-03 If connectivity between the mobile device and cellular forensic tool is disrupted, then the tool shall notify the user that connectivity has been disrupted.	1	3.4
SPT-CA-04 If a cellular forensic tool completes acquisition of the target device without error, then the tool shall have the ability to present acquired data objects in a useable format via either a preview pane or generated report.	2	
SPT-CA-05 If a cellular forensic tool completes acquisition of the target device without error, then subscriber-related information shall be	1	

Assertions Tested	Tests	Anomaly
presented in a useable format.		
SPT-CA-06 If a cellular forensic tool completes acquisition of the target device without error, then equipment-related information shall be presented in a useable format.	1	3.5
SPT-CA-07 If a cellular forensic tool completes acquisition of the target device without error, then address book entries shall be presented in a useable format.	1	3.1
SPT-CA-08 If a cellular forensic tool completes acquisition of the target device without error, then maximum length address book entries shall be presented in a useable format.	1	3.1
SPT-CA-09 If a cellular forensic tool completes acquisition of the target device without error, then address book entries containing special characters shall be presented in a useable format.	1	
SPT-CA-10 If a cellular forensic tool completes acquisition of the target device without error, then address book entries containing blank names shall be presented in a useable format.	1	
SPT-CA-11 If a cellular forensic tool completes acquisition of the target device without error, then email addresses associated with address book entries shall be presented in a useable format.	1	3.1
SPT-CA-12 If a cellular forensic tool completes acquisition of the target device without error, then graphics associated with address book entries shall be presented in a useable format.	1	3.1
SPT-CA-13 If a cellular forensic tool completes acquisition of the target device without error, then datebook, calendar, note entries shall be presented in a useable format.	1	
SPT-CA-14 If a cellular forensic tool completes acquisition of the target device without error, then maximum length datebook, calendar, note entries shall be presented in a useable format.	1	
SPT-CA-21 If a cellular forensic tool completes acquisition of the target device without error, then MMS messages and associated audio shall be presented in a useable format.	1	
SPT-CA-22 If a cellular forensic tool completes acquisition of the target device without error, then MMS messages and associated graphic files shall be presented in a useable format.	1	
SPT-CA-23 If a cellular forensic tool completes acquisition of the target device without error, then MMS messages and associated video shall be presented in a useable format.	1	
SPT-CA-24 If a cellular forensic tool completes acquisition of the target device without error, then stand-alone audio files shall be presented in a useable format via either an internal application or suggested third-party application.	1	
SPT-CA-25 If a cellular forensic tool completes acquisition of the target device without error, then stand-alone graphic files shall be presented in a useable format via either an internal application or suggested third-party application.	1	

Assertions Tested	Tests	Anomaly
SPT-CA-26 If a cellular forensic tool completes acquisition of the target device without error, then stand-alone video files shall be presented in a useable format via either an internal application or suggested third-party application.	1	
SPT-CA-29 If a cellular forensic tool provides the user with an "Acquire All" device data objects acquisition option, then the tool shall complete the acquisition of all data objects without error.	2	
SPT-CA-30 If a cellular forensic tool provides the user with a "Select All" individual device data objects, then the tool shall complete the acquisition of all individually selected data objects without error.	2	
SPT-CA-31 If a cellular forensic tool provides the user with the ability to "Select Individual" device data objects for acquisition, then the tool shall acquire each exclusive data object without error.	2	
SPT-CA-32 If a cellular forensic tool completes two consecutive logical acquisitions of the target device without error, then the payload (data objects) on the mobile device shall remain consistent.	1	
SPT-AO-25 If a cellular forensic tool completes acquisition of the target device without error, then the tool shall present the acquired data in a useable format via supported/generated report formats.	1	
SPT-AO-26 If a cellular forensic tool completes acquisition of the target device without error, then the tool shall present the acquired data in a useable format in a preview pane view.	1	
SPT-AO-27 If the case file or individual data objects are modified via third-party means, then the tool shall provide protection mechanisms disallowing or reporting data modification.	1	
SPT-AO-40 If the cellular forensic tool supports display of non-ASCII characters, then the application should present address book entries in their native format.	1	
SPT-AO-41 If the cellular forensic tool supports proper display of non-ASCII characters, then the application should present text messages in their native format.	1	
SPT-AO-43 If the cellular forensic tool supports hashing for individual data objects, then the tool shall present the user with a hash value for each supported data object.	1	

Table 3i: Assertions Tested: (Samsung Haven)

Assertions Tested	Tests	Anomaly
SPT-CA-01 If a cellular forensic tool provides support for connectivity of the target device, then the tool shall successfully recognize the target device via all vendor-supported interfaces (e.g., cable, Bluetooth, IrDA).	1	
SPT-CA-02 If a cellular forensic tool attempts to connect to a nonsupported device, then the tool shall notify the user that the device is not supported.	1	
SPT-CA-03 If connectivity between the mobile device and cellular forensic tool is disrupted, then the tool shall notify the user that	1	

Assertions Tested	Tests	Anomaly
connectivity has been disrupted.		
SPT-CA-04 If a cellular forensic tool completes acquisition of the target device without error, then the tool shall have the ability to present acquired data objects in a useable format via either a preview pane or generated report.	2	
SPT-CA-07 If a cellular forensic tool completes acquisition of the target device without error, then address book entries shall be presented in a useable format.	1	
SPT-CA-08 If a cellular forensic tool completes acquisition of the target device without error, then maximum length address book entries shall be presented in a useable format.	1	
SPT-CA-09 If a cellular forensic tool completes acquisition of the target device without error, then address book entries containing special characters shall be presented in a useable format.	1	
SPT-CA-10 If a cellular forensic tool completes acquisition of the target device without error, then address book entries containing blank names shall be presented in a useable format.	1	
SPT-CA-11 If a cellular forensic tool completes acquisition of the target device without error, then email addresses associated with address book entries shall be presented in a useable format.	1	
SPT-CA-12 If a cellular forensic tool completes acquisition of the target device without error, then graphics associated with address book entries shall be presented in a useable format.	1	
SPT-CA-13 If a cellular forensic tool completes acquisition of the target device without error, then datebook, calendar, note entries shall be presented in a useable format.	1	
SPT-CA-14 If a cellular forensic tool completes acquisition of the target device without error, then maximum length datebook, calendar, note entries shall be presented in a useable format.	1	
SPT-CA-29 If a cellular forensic tool provides the user with an “Acquire All” device data objects acquisition option, then the tool shall complete the acquisition of all data objects without error.	2	
SPT-CA-30 If a cellular forensic tool provides the user with a “Select All” individual device data objects, then the tool shall complete the acquisition of all individually selected data objects without error.	2	
SPT-CA-31 If a cellular forensic tool provides the user with the ability to “Select Individual” device data objects for acquisition, then the tool shall acquire each exclusive data object without error.	2	
SPT-CA-32 If a cellular forensic tool completes two consecutive logical acquisitions of the target device without error, then the payload (data objects) on the mobile device shall remain consistent.	1	
SPT-AO-25 If a cellular forensic tool completes acquisition of the target device without error, then the tool shall present the acquired data in a useable format via supported/generated report formats.	1	
SPT-AO-26 If a cellular forensic tool completes acquisition of the target	1	

Assertions Tested	Tests	Anomaly
device without error, then the tool shall present the acquired data in a useable format in a preview pane view.		
SPT-AO-27 If the case file or individual data objects are modified via third-party means, then the tool shall provide protection mechanisms disallowing or reporting data modification.	1	
SPT-AO-43 If the cellular forensic tool supports hashing for individual data objects, then the tool shall present the user with a hash value for each supported data object.	1	

Table s 4a-4i list the assertions that were not tested, usually due to the tool not supporting an optional feature.

Table 4a: Assertions Not Tested (iPhone4 GSM)

Assertions Not Tested
SPT-CA-27 If a cellular forensic tool completes acquisition of the target device without error, then device specific application-related data shall be acquired and presented in a useable format via either an internal application or suggested third-party application.
SPT-AO-37 If the cellular forensic tool supports the interpretation of audio files present on the target device, then the tool shall report recoverable active and deleted audio data or audio file data remnants in a useable format.
SPT-AO-38 If the cellular forensic tool supports the interpretation of graphic files present on the target device, then the tool shall report recoverable active and deleted graphic file data or graphic file data remnants in a useable format.
SPT-AO-39 If the cellular forensic tool supports the interpretation of video files present on the target device, then the tool shall report recoverable active and deleted video file data or video file data remnants in a useable format.
SPT-AO-42 If the cellular forensic tool supports stand-alone acquisition of internal memory with the SIM present,, then the contents of the SIM shall not be modified during internal memory acquisition.

Table 4b: Assertions Not Tested (BlackBerry Torch)

Assertions Not Tested
SPT-CA-27 If a cellular forensic tool completes acquisition of the target device without error, then device specific application-related data shall be acquired and presented in a useable format via either an internal application or suggested third-party application.
SPT-AO-31 If the cellular forensic tool supports a physical acquisition of the target device, then the tool shall complete the acquisition without error.
SPT-AO-32 If the cellular forensic tool supports the interpretation of address book entries present on the target device, then the tool shall report recoverable active and deleted data or address book data remnants in a useable format.
SPT-AO-33 If the cellular forensic tool supports the interpretation of calendar, tasks, or notes present on the target device, then the tool shall report recoverable active and deleted calendar, tasks, or note data remnants in a useable format.

Assertions Not Tested
SPT-AO-34 If the cellular forensic tool supports the interpretation of call logs present on the target device, then the tool shall report recoverable active and deleted call or call log data remnants in a useable format.
SPT-AO-35 If the cellular forensic tool supports the interpretation of SMS messages present on the target device, then the tool shall report recoverable active and deleted SMS messages or SMS message data remnants in a useable format.
SPT-AO-36 If the cellular forensic tool supports the interpretation of EMS messages present on the target device, then the tool shall report recoverable active and deleted EMS messages or EMS message data remnants in a useable format.
SPT-AO-37 If the cellular forensic tool supports the interpretation of audio files present on the target device, then the tool shall report recoverable active and deleted audio data or audio file data remnants in a useable format.
SPT-AO-38 If the cellular forensic tool supports the interpretation of graphic files present on the target device, then the tool shall report recoverable active and deleted graphic file data or graphic file data remnants in a useable format.
SPT-AO-39 If the cellular forensic tool supports the interpretation of video files present on the target device, then the tool shall report recoverable active and deleted video file data or video file data remnants in a useable format.
SPT-AO-42 If the cellular forensic tool supports stand-alone acquisition of internal memory with the SIM present,, then the contents of the SIM shall not be modified during internal memory acquisition.
SPT-AO-44 If the cellular forensic tool supports acquisition of GPS data, then the tool shall present the user with the longitude and latitude coordinates for all GPS-related data in a useable format.

Table 4c: Assertions Not Tested (Samsung Focus)

Assertions Not Tested
SPT-CA-05 If a cellular forensic tool completes acquisition of the target device without error, then subscriber-related information shall be presented in a useable format.
SPT-CA-06 If a cellular forensic tool completes acquisition of the target device without error, then equipment-related information shall be presented in a useable format.
SPT-CA-15 If a cellular forensic tool completes acquisition of the target device without error, then call logs (incoming/outgoing/missed) shall be presented in a useable format.
SPT-CA-16 If a cellular forensic tool completes acquisition of the target device without error, then the corresponding date/time stamps and the duration of the call for call logs shall be presented in a useable format.
SPT-CA-17 If a cellular forensic tool completes acquisition of the target device without error, then ASCII text messages (i.e., SMS, EMS) shall be presented in a useable format.
SPT-CA-18 If a cellular forensic tool completes acquisition of the target device without error, then the corresponding date/time stamps for text messages shall be presented in a useable format.
SPT-CA-19 If a cellular forensic tool completes acquisition of the target device without error, then the corresponding status (i.e., read, unread) for text messages shall be presented in a useable format.

Assertions Not Tested
SPT-CA-20 If a cellular forensic tool completes acquisition of the target device without error, then the corresponding sender / recipient phone numbers for text messages shall be presented in a useable format.
SPT-CA-21 If a cellular forensic tool completes acquisition of the target device without error, then MMS messages and associated audio shall be presented in a useable format.
SPT-CA-22 If a cellular forensic tool completes acquisition of the target device without error, then MMS messages and associated graphic files shall be presented in a useable format.
SPT-CA-23 If a cellular forensic tool completes acquisition of the target device without error, then MMS messages and associated video shall be presented in a useable format.
SPT-CA-24 If a cellular forensic tool completes acquisition of the target device without error, then stand-alone audio files shall be presented in a useable format via either an internal application or suggested third-party application.
SPT-CA-25 If a cellular forensic tool completes acquisition of the target device without error, then stand-alone graphic files shall be presented in a useable format via either an internal application or suggested third-party application.
SPT-CA-26 If a cellular forensic tool completes acquisition of the target device without error, then stand-alone video files shall be presented in a useable format via either an internal application or suggested third-party application.
SPT-CA-27 If a cellular forensic tool completes acquisition of the target device without error, then device specific application-related data shall be acquired and presented in a useable format via either an internal application or suggested third-party application.
SPT-CA-28 If a cellular forensic tool completes acquisition of the target device without error, then Internet related data (i.e., bookmarks, visited sites) cached to the device shall be acquired and presented in a useable format.
SPT-AO-31 If the cellular forensic tool supports a physical acquisition of the target device, then the tool shall complete the acquisition without error.
SPT-AO-32 If the cellular forensic tool supports the interpretation of address book entries present on the target device, then the tool shall report recoverable active and deleted data or address book data remnants in a useable format.
SPT-AO-33 If the cellular forensic tool supports the interpretation of calendar, tasks, or notes present on the target device, then the tool shall report recoverable active and deleted calendar, tasks, or note data remnants in a useable format.
SPT-AO-34 If the cellular forensic tool supports the interpretation of call logs present on the target device, then the tool shall report recoverable active and deleted call or call log data remnants in a useable format.
SPT-AO-35 If the cellular forensic tool supports the interpretation of SMS messages present on the target device, then the tool shall report recoverable active and deleted SMS messages or SMS message data remnants in a useable format.
SPT-AO-36 If the cellular forensic tool supports the interpretation of EMS messages present on the target device, then the tool shall report recoverable active and deleted EMS messages or EMS message data remnants in a useable format.
SPT-AO-37 If the cellular forensic tool supports the interpretation of audio files present on the target device, then the tool shall report recoverable active and deleted audio data or audio file data remnants in a useable format.

Assertions Not Tested
SPT-AO-38 If the cellular forensic tool supports the interpretation of graphic files present on the target device, then the tool shall report recoverable active and deleted graphic file data or graphic file data remnants in a useable format.
SPT-AO-39 If the cellular forensic tool supports the interpretation of video files present on the target device, then the tool shall report recoverable active and deleted video file data or video file data remnants in a useable format.
SPT-AO-42 If the cellular forensic tool supports stand-alone acquisition of internal memory with the SIM present,, then the contents of the SIM shall not be modified during internal memory acquisition.
SPT-AO-44 If the cellular forensic tool supports acquisition of GPS data, then the tool shall present the user with the longitude and latitude coordinates for all GPS-related data in a useable format.

Table 4d: Assertions Not Tested (Nokia 6350)

Assertions Not Tested
SPT-CA-27 If a cellular forensic tool completes acquisition of the target device without error, then device specific application-related data shall be acquired and presented in a useable format via either an internal application or suggested third-party application.
SPT-CA-28 If a cellular forensic tool completes acquisition of the target device without error, then Internet related data (i.e., bookmarks, visited sites) cached to the device shall be acquired and presented in a useable format.
SPT-AO-31 If the cellular forensic tool supports a physical acquisition of the target device, then the tool shall complete the acquisition without error.
SPT-AO-32 If the cellular forensic tool supports the interpretation of address book entries present on the target device, then the tool shall report recoverable active and deleted data or address book data remnants in a useable format.
SPT-AO-33 If the cellular forensic tool supports the interpretation of calendar, tasks, or notes present on the target device, then the tool shall report recoverable active and deleted calendar, tasks, or note data remnants in a useable format.
SPT-AO-34 If the cellular forensic tool supports the interpretation of call logs present on the target device, then the tool shall report recoverable active and deleted call or call log data remnants in a useable format.
SPT-AO-35 If the cellular forensic tool supports the interpretation of SMS messages present on the target device, then the tool shall report recoverable active and deleted SMS messages or SMS message data remnants in a useable format.
SPT-AO-36 If the cellular forensic tool supports the interpretation of EMS messages present on the target device, then the tool shall report recoverable active and deleted EMS messages or EMS message data remnants in a useable format.
SPT-AO-37 If the cellular forensic tool supports the interpretation of audio files present on the target device, then the tool shall report recoverable active and deleted audio data or audio file data remnants in a useable format.
SPT-AO-38 If the cellular forensic tool supports the interpretation of graphic files present on the target device, then the tool shall report recoverable active and deleted graphic file data or graphic file data remnants in a useable format.

Assertions Not Tested
SPT-AO-39 If the cellular forensic tool supports the interpretation of video files present on the target device, then the tool shall report recoverable active and deleted video file data or video file data remnants in a useable format.
SPT-AO-42 If the cellular forensic tool supports stand-alone acquisition of internal memory with the SIM present,, then the contents of the SIM shall not be modified during internal memory acquisition.
SPT-AO-44 If the cellular forensic tool supports acquisition of GPS data, then the tool shall present the user with the longitude and latitude coordinates for all GPS-related data in a useable format.

Table 4e: Assertions Not Tested (Motorola Tundra)

Assertions Not Tested
SPT-CA-17 If a cellular forensic tool completes acquisition of the target device without error, then ASCII text messages (i.e., SMS, EMS) shall be presented in a useable format.
SPT-CA-18 If a cellular forensic tool completes acquisition of the target device without error, then the corresponding date/time stamps for text messages shall be presented in a useable format.
SPT-CA-19 If a cellular forensic tool completes acquisition of the target device without error, then the corresponding status (i.e., read, unread) for text messages shall be presented in a useable format.
SPT-CA-20 If a cellular forensic tool completes acquisition of the target device without error, then the corresponding sender / recipient phone numbers for text messages shall be presented in a useable format.
SPT-CA-21 If a cellular forensic tool completes acquisition of the target device without error, then MMS messages and associated audio shall be presented in a useable format.
SPT-CA-22 If a cellular forensic tool completes acquisition of the target device without error, then MMS messages and associated graphic files shall be presented in a useable format.
SPT-CA-23 If a cellular forensic tool completes acquisition of the target device without error, then MMS messages and associated video shall be presented in a useable format.
SPT-CA-27 If a cellular forensic tool completes acquisition of the target device without error, then device specific application-related data shall be acquired and presented in a useable format via either an internal application or suggested third-party application.
SPT-CA-28 If a cellular forensic tool completes acquisition of the target device without error, then Internet related data (i.e., bookmarks, visited sites) cached to the device shall be acquired and presented in a useable format.
SPT-AO-31 If the cellular forensic tool supports a physical acquisition of the target device, then the tool shall complete the acquisition without error.
SPT-AO-32 If the cellular forensic tool supports the interpretation of address book entries present on the target device, then the tool shall report recoverable active and deleted data or address book data remnants in a useable format.
SPT-AO-33 If the cellular forensic tool supports the interpretation of calendar, tasks, or notes present on the target device, then the tool shall report recoverable active and deleted calendar, tasks, or note data remnants in a useable format.

Assertions Not Tested
SPT-AO-34 If the cellular forensic tool supports the interpretation of call logs present on the target device, then the tool shall report recoverable active and deleted call or call log data remnants in a useable format.
SPT-AO-35 If the cellular forensic tool supports the interpretation of SMS messages present on the target device, then the tool shall report recoverable active and deleted SMS messages or SMS message data remnants in a useable format.
SPT-AO-36 If the cellular forensic tool supports the interpretation of EMS messages present on the target device, then the tool shall report recoverable active and deleted EMS messages or EMS message data remnants in a useable format.
SPT-AO-37 If the cellular forensic tool supports the interpretation of audio files present on the target device, then the tool shall report recoverable active and deleted audio data or audio file data remnants in a useable format.
SPT-AO-38 If the cellular forensic tool supports the interpretation of graphic files present on the target device, then the tool shall report recoverable active and deleted graphic file data or graphic file data remnants in a useable format.
SPT-AO-39 If the cellular forensic tool supports the interpretation of video files present on the target device, then the tool shall report recoverable active and deleted video file data or video file data remnants in a useable format.
SPT-AO-42 If the cellular forensic tool supports stand-alone acquisition of internal memory with the SIM present,, then the contents of the SIM shall not be modified during internal memory acquisition.
SPT-AO-44 If the cellular forensic tool supports acquisition of GPS data, then the tool shall present the user with the longitude and latitude coordinates for all GPS-related data in a useable format.

Table 4f: Assertions Not Tested (iPhone4 CDMA)

Assertions Not Tested
SPT-CA-27 If a cellular forensic tool completes acquisition of the target device without error, then device specific application-related data shall be acquired and presented in a useable format via either an internal application or suggested third-party application.
SPT-AO-01 If a cellular forensic tool provides support for connectivity of the target SIM, then the tool shall successfully recognize the target SIM via all tool-supported interfaces (e.g., PC/SC reader, proprietary reader, smart phone itself).
SPT-AO-02 If a cellular forensic tool attempts to connect to a nonsupported SIM, then the tool shall notify the user that the SIM is not supported.
SPT-AO-03 If a cellular forensic tool loses connectivity with the SIM reader, then the tool shall notify the user that connectivity has been disrupted.
SPT-AO-04 If a cellular forensic tool completes acquisition of the target SIM without error, then the SPN shall be presented in a useable format.
SPT-AO-05 If a cellular forensic tool completes acquisition of the target SIM without error, then the ICCID shall be presented in a useable format.
SPT-AO-06 If a cellular forensic tool completes acquisition of the target SIM without error, then the IMSI shall be presented in a useable format.
SPT-AO-07 If a cellular forensic tool completes acquisition of the target SIM without

Assertions Not Tested
error, then the MSISDN shall be presented in a useable format.
SPT-AO-08 If a cellular forensic tool completes acquisition of the target SIM without error, then ASCII Abbreviated Dialing Numbers (ADN) shall be presented in a useable format.
SPT-AO-09 If a cellular forensic tool completes acquisition of the target SIM without error, then maximum length ADN shall be presented in a useable format.
SPT-AO-10 If a cellular forensic tool completes acquisition of the SIM without error, then ADN containing special characters shall be presented in a useable format.
SPT-AO-11 If a cellular forensic tool completes acquisition of the SIM without error, then ADN containing blank names shall be presented in a useable format.
SPT-AO-12 If a cellular forensic tool completes acquisition of the target SIM without error, then Last Numbers Dialed (LND) shall be presented in a useable format.
SPT-AO-13 If a cellular forensic tool completes acquisition of the target SIM without error, then the corresponding date/time stamps for LNDs shall be presented in a useable format.
SPT-AO-14 If a cellular forensic tool completes acquisition of the target SIM without error, then ASCII SMS text messages shall be presented in a useable format.
SPT-AO-15 If a cellular forensic tool completes acquisition of the target SIM without error, then ASCII EMS text messages shall be presented in a useable format.
SPT-AO-16 If a cellular forensic tool completes acquisition of the target SIM without error, then the corresponding date/time stamps for all text messages shall be presented in a useable format.
SPT-AO-17 If a cellular forensic tool completes acquisition of the target SIM without error, then the corresponding status (i.e., read, unread) for text messages shall be presented in a useable format.
SPT-AO-18 If a cellular forensic tool completes acquisition of the target SIM without error, then the corresponding sender / recipient phone numbers for text messages shall be presented in a useable format.
SPT-AO-19 If the cellular forensic tool completes acquisition of the target SIM without error, then deleted text messages that have not been overwritten shall be presented in a useable format.
SPT-AO-20 If a cellular forensic tool completes acquisition of the target SIM without error, then location-related data (i.e., LOCI) shall be presented in a useable format.
SPT-AO-21 If a cellular forensic tool completes acquisition of the target SIM without error, then location-related data (i.e., GRPSLOCI) shall be presented in a useable format.
SPT-AO-22 If a cellular forensic tool provides the user with an “Acquire All” SIM data objects acquisition option, then the tool shall complete the acquisition of all data objects without error.
SPT-AO-23 If a cellular forensic tool provides the user with a “Select All” individual SIM data objects, then the tool shall complete the acquisition of all individually selected data objects without error.
SPT-AO-24 If a cellular forensic tool provides the user with the ability to “Select Individual” SIM data objects for acquisition, then the tool shall acquire each exclusive data object without error.
SPT-AO-28 If the SIM is password-protected, then the cellular forensic tool shall provide

Assertions Not Tested
the examiner with the opportunity to input the PIN before acquisition.
SPT-AO-29 If a cellular forensic tool provides the examiner with the remaining number of authentication attempts, then the application should provide an accurate count of the remaining PIN attempts.
SPT-AO-30 If a cellular forensic tool provides the examiner with the remaining number of PUK attempts, then the application should provide an accurate count of the remaining PUK attempts.
SPT-AO-37 If the cellular forensic tool supports the interpretation of audio files present on the target device, then the tool shall report recoverable active and deleted audio data or audio file data remnants in a useable format.
SPT-AO-38 If the cellular forensic tool supports the interpretation of graphic files present on the target device, then the tool shall report recoverable active and deleted graphic file data or graphic file data remnants in a useable format.
SPT-AO-39 If the cellular forensic tool supports the interpretation of video files present on the target device, then the tool shall report recoverable active and deleted video file data or video file data remnants in a useable format.
SPT-AO-42 If the cellular forensic tool supports stand-alone acquisition of internal memory with the SIM present,, then the contents of the SIM shall not be modified during internal memory acquisition.

Table 4g: Assertions Not Tested (HTC Thunderbolt)

Assertions Not Tested
SPT-CA-27 If a cellular forensic tool completes acquisition of the target device without error, then device specific application-related data shall be acquired and presented in a useable format via either an internal application or suggested third-party application.
SPT-CA-28 If a cellular forensic tool completes acquisition of the target device without error, then Internet related data (i.e., bookmarks, visited sites) cached to the device shall be acquired and presented in a useable format.
SPT-AO-01 If a cellular forensic tool provides support for connectivity of the target SIM, then the tool shall successfully recognize the target SIM via all tool-supported interfaces (e.g., PC/SC reader, proprietary reader, smart phone itself).
SPT-AO-02 If a cellular forensic tool attempts to connect to a nonsupported SIM, then the tool shall notify the user that the SIM is not supported.
SPT-AO-03 If a cellular forensic tool loses connectivity with the SIM reader, then the tool shall notify the user that connectivity has been disrupted.
SPT-AO-04 If a cellular forensic tool completes acquisition of the target SIM without error, then the SPN shall be presented in a useable format.
SPT-AO-05 If a cellular forensic tool completes acquisition of the target SIM without error, then the ICCID shall be presented in a useable format.
SPT-AO-06 If a cellular forensic tool completes acquisition of the target SIM without error, then the IMSI shall be presented in a useable format.
SPT-AO-07 If a cellular forensic tool completes acquisition of the target SIM without error, then the MSISDN shall be presented in a useable format.
SPT-AO-08 If a cellular forensic tool completes acquisition of the target SIM without

Assertions Not Tested
error, then ASCII Abbreviated Dialing Numbers (ADN) shall be presented in a useable format.
SPT-AO-09 If a cellular forensic tool completes acquisition of the target SIM without error, then maximum length ADN shall be presented in a useable format.
SPT-AO-10 If a cellular forensic tool completes acquisition of the SIM without error, then ADN containing special characters shall be presented in a useable format.
SPT-AO-11 If a cellular forensic tool completes acquisition of the SIM without error, then ADN containing blank names shall be presented in a useable format.
SPT-AO-12 If a cellular forensic tool completes acquisition of the target SIM without error, then Last Numbers Dialed (LND) shall be presented in a useable format.
SPT-AO-13 If a cellular forensic tool completes acquisition of the target SIM without error, then the corresponding date/time stamps for LNDs shall be presented in a useable format.
SPT-AO-14 If a cellular forensic tool completes acquisition of the target SIM without error, then ASCII SMS text messages shall be presented in a useable format.
SPT-AO-15 If a cellular forensic tool completes acquisition of the target SIM without error, then ASCII EMS text messages shall be presented in a useable format.
SPT-AO-16 If a cellular forensic tool completes acquisition of the target SIM without error, then the corresponding date/time stamps for all text messages shall be presented in a useable format.
SPT-AO-17 If a cellular forensic tool completes acquisition of the target SIM without error, then the corresponding status (i.e., read, unread) for text messages shall be presented in a useable format.
SPT-AO-18 If a cellular forensic tool completes acquisition of the target SIM without error, then the corresponding sender / recipient phone numbers for text messages shall be presented in a useable format.
SPT-AO-19 If the cellular forensic tool completes acquisition of the target SIM without error, then deleted text messages that have not been overwritten shall be presented in a useable format.
SPT-AO-20 If a cellular forensic tool completes acquisition of the target SIM without error, then location-related data (i.e., LOCI) shall be presented in a useable format.
SPT-AO-21 If a cellular forensic tool completes acquisition of the target SIM without error, then location-related data (i.e., GRPSLOCI) shall be presented in a useable format.
SPT-AO-22 If a cellular forensic tool provides the user with an “Acquire All” SIM data objects acquisition option, then the tool shall complete the acquisition of all data objects without error.
SPT-AO-23 If a cellular forensic tool provides the user with a “Select All” individual SIM data objects, then the tool shall complete the acquisition of all individually selected data objects without error.
SPT-AO-24 If a cellular forensic tool provides the user with the ability to “Select Individual” SIM data objects for acquisition, then the tool shall acquire each exclusive data object without error.
SPT-AO-28 If the SIM is password-protected, then the cellular forensic tool shall provide the examiner with the opportunity to input the PIN before acquisition.
SPT-AO-29 If a cellular forensic tool provides the examiner with the remaining number

Assertions Not Tested
of authentication attempts, then the application should provide an accurate count of the remaining PIN attempts.
SPT-AO-30 If a cellular forensic tool provides the examiner with the remaining number of PUK attempts, then the application should provide an accurate count of the remaining PUK attempts.
SPT-AO-31 If the cellular forensic tool supports a physical acquisition of the target device, then the tool shall complete the acquisition without error.
SPT-AO-32 If the cellular forensic tool supports the interpretation of address book entries present on the target device, then the tool shall report recoverable active and deleted data or address book data remnants in a useable format.
SPT-AO-33 If the cellular forensic tool supports the interpretation of calendar, tasks, or notes present on the target device, then the tool shall report recoverable active and deleted calendar, tasks, or note data remnants in a useable format.
SPT-AO-34 If the cellular forensic tool supports the interpretation of call logs present on the target device, then the tool shall report recoverable active and deleted call or call log data remnants in a useable format.
SPT-AO-35 If the cellular forensic tool supports the interpretation of SMS messages present on the target device, then the tool shall report recoverable active and deleted SMS messages or SMS message data remnants in a useable format.
SPT-AO-36 If the cellular forensic tool supports the interpretation of EMS messages present on the target device, then the tool shall report recoverable active and deleted EMS messages or EMS message data remnants in a useable format.
SPT-AO-37 If the cellular forensic tool supports the interpretation of audio files present on the target device, then the tool shall report recoverable active and deleted audio data or audio file data remnants in a useable format.
SPT-AO-38 If the cellular forensic tool supports the interpretation of graphic files present on the target device, then the tool shall report recoverable active and deleted graphic file data or graphic file data remnants in a useable format.
SPT-AO-39 If the cellular forensic tool supports the interpretation of video files present on the target device, then the tool shall report recoverable active and deleted video file data or video file data remnants in a useable format.
SPT-AO-42 If the cellular forensic tool supports stand-alone acquisition of internal memory with the SIM present,, then the contents of the SIM shall not be modified during internal memory acquisition.
SPT-AO-44 If the cellular forensic tool supports acquisition of GPS data, then the tool shall present the user with the longitude and latitude coordinates for all GPS-related data in a useable format.

Table 4h: Assertions Not Tested (Palm Pre2)

Assertions Not Tested
SPT-CA-15 If a cellular forensic tool completes acquisition of the target device without error, then call logs (incoming/outgoing/missed) shall be presented in a useable format.
SPT-CA-16 If a cellular forensic tool completes acquisition of the target device without error, then the corresponding date/time stamps and the duration of the call for call logs

Assertions Not Tested
shall be presented in a useable format.
SPT-CA-17 If a cellular forensic tool completes acquisition of the target device without error, then ASCII text messages (i.e., SMS, EMS) shall be presented in a useable format.
SPT-CA-18 If a cellular forensic tool completes acquisition of the target device without error, then the corresponding date/time stamps for text messages shall be presented in a useable format.
SPT-CA-19 If a cellular forensic tool completes acquisition of the target device without error, then the corresponding status (i.e., read, unread) for text messages shall be presented in a useable format.
SPT-CA-20 If a cellular forensic tool completes acquisition of the target device without error, then the corresponding sender / recipient phone numbers for text messages shall be presented in a useable format.
SPT-CA-27 If a cellular forensic tool completes acquisition of the target device without error, then device specific application-related data shall be acquired and presented in a useable format via either an internal application or suggested third-party application.
SPT-CA-28 If a cellular forensic tool completes acquisition of the target device without error, then Internet related data (i.e., bookmarks, visited sites) cached to the device shall be acquired and presented in a useable format.
SPT-AO-01 If a cellular forensic tool provides support for connectivity of the target SIM, then the tool shall successfully recognize the target SIM via all tool-supported interfaces (e.g., PC/SC reader, proprietary reader, smart phone itself).
SPT-AO-02 If a cellular forensic tool attempts to connect to a nonsupported SIM, then the tool shall notify the user that the SIM is not supported.
SPT-AO-03 If a cellular forensic tool loses connectivity with the SIM reader, then the tool shall notify the user that connectivity has been disrupted.
SPT-AO-04 If a cellular forensic tool completes acquisition of the target SIM without error, then the SPN shall be presented in a useable format.
SPT-AO-05 If a cellular forensic tool completes acquisition of the target SIM without error, then the ICCID shall be presented in a useable format.
SPT-AO-06 If a cellular forensic tool completes acquisition of the target SIM without error, then the IMSI shall be presented in a useable format.
SPT-AO-07 If a cellular forensic tool completes acquisition of the target SIM without error, then the MSISDN shall be presented in a useable format.
SPT-AO-08 If a cellular forensic tool completes acquisition of the target SIM without error, then ASCII Abbreviated Dialing Numbers (ADN) shall be presented in a useable format.
SPT-AO-09 If a cellular forensic tool completes acquisition of the target SIM without error, then maximum length ADN shall be presented in a useable format.
SPT-AO-10 If a cellular forensic tool completes acquisition of the SIM without error, then ADN containing special characters shall be presented in a useable format.
SPT-AO-11 If a cellular forensic tool completes acquisition of the SIM without error, then ADN containing blank names shall be presented in a useable format.
SPT-AO-12 If a cellular forensic tool completes acquisition of the target SIM without error, then Last Numbers Dialed (LND) shall be presented in a useable format.
SPT-AO-13 If a cellular forensic tool completes acquisition of the target SIM without

Assertions Not Tested
error, then the corresponding date/time stamps for LNDs shall be presented in a useable format.
SPT-AO-14 If a cellular forensic tool completes acquisition of the target SIM without error, then ASCII SMS text messages shall be presented in a useable format.
SPT-AO-15 If a cellular forensic tool completes acquisition of the target SIM without error, then ASCII EMS text messages shall be presented in a useable format.
SPT-AO-16 If a cellular forensic tool completes acquisition of the target SIM without error, then the corresponding date/time stamps for all text messages shall be presented in a useable format.
SPT-AO-17 If a cellular forensic tool completes acquisition of the target SIM without error, then the corresponding status (i.e., read, unread) for text messages shall be presented in a useable format.
SPT-AO-18 If a cellular forensic tool completes acquisition of the target SIM without error, then the corresponding sender / recipient phone numbers for text messages shall be presented in a useable format.
SPT-AO-19 If the cellular forensic tool completes acquisition of the target SIM without error, then deleted text messages that have not been overwritten shall be presented in a useable format.
SPT-AO-20 If a cellular forensic tool completes acquisition of the target SIM without error, then location-related data (i.e., LOCI) shall be presented in a useable format.
SPT-AO-21 If a cellular forensic tool completes acquisition of the target SIM without error, then location-related data (i.e., GRPSLOCI) shall be presented in a useable format.
SPT-AO-22 If a cellular forensic tool provides the user with an “Acquire All” SIM data objects acquisition option, then the tool shall complete the acquisition of all data objects without error.
SPT-AO-23 If a cellular forensic tool provides the user with a “Select All” individual SIM data objects, then the tool shall complete the acquisition of all individually selected data objects without error.
SPT-AO-24 If a cellular forensic tool provides the user with the ability to “Select Individual” SIM data objects for acquisition, then the tool shall acquire each exclusive data object without error.
SPT-AO-28 If the SIM is password-protected, then the cellular forensic tool shall provide the examiner with the opportunity to input the PIN before acquisition.
SPT-AO-29 If a cellular forensic tool provides the examiner with the remaining number of authentication attempts, then the application should provide an accurate count of the remaining PIN attempts.
SPT-AO-30 If a cellular forensic tool provides the examiner with the remaining number of PUK attempts, then the application should provide an accurate count of the remaining PUK attempts.
SPT-AO-31 If the cellular forensic tool supports a physical acquisition of the target device, then the tool shall complete the acquisition without error.
SPT-AO-32 If the cellular forensic tool supports the interpretation of address book entries present on the target device, then the tool shall report recoverable active and deleted data or address book data remnants in a useable format.
SPT-AO-33 If the cellular forensic tool supports the interpretation of calendar, tasks, or

Assertions Not Tested
notes present on the target device, then the tool shall report recoverable active and deleted calendar, tasks, or note data remnants in a useable format.
SPT-AO-34 If the cellular forensic tool supports the interpretation of call logs present on the target device, then the tool shall report recoverable active and deleted call or call log data remnants in a useable format.
SPT-AO-35 If the cellular forensic tool supports the interpretation of SMS messages present on the target device, then the tool shall report recoverable active and deleted SMS messages or SMS message data remnants in a useable format.
SPT-AO-36 If the cellular forensic tool supports the interpretation of EMS messages present on the target device, then the tool shall report recoverable active and deleted EMS messages or EMS message data remnants in a useable format.
SPT-AO-37 If the cellular forensic tool supports the interpretation of audio files present on the target device, then the tool shall report recoverable active and deleted audio data or audio file data remnants in a useable format.
SPT-AO-38 If the cellular forensic tool supports the interpretation of graphic files present on the target device, then the tool shall report recoverable active and deleted graphic file data or graphic file data remnants in a useable format.
SPT-AO-39 If the cellular forensic tool supports the interpretation of video files present on the target device, then the tool shall report recoverable active and deleted video file data or video file data remnants in a useable format.
SPT-AO-42 If the cellular forensic tool supports stand-alone acquisition of internal memory with the SIM present,, then the contents of the SIM shall not be modified during internal memory acquisition.
SPT-AO-44 If the cellular forensic tool supports acquisition of GPS data, then the tool shall present the user with the longitude and latitude coordinates for all GPS-related data in a useable format.

Table 4i: Assertions Not Tested (Samsung Haven)

Assertions Not Tested
SPT-CA-05 If a cellular forensic tool completes acquisition of the target device without error, then subscriber-related information shall be presented in a useable format.
SPT-CA-06 If a cellular forensic tool completes acquisition of the target device without error, then equipment-related information shall be presented in a useable format.
SPT-CA-15 If a cellular forensic tool completes acquisition of the target device without error, then call logs (incoming/outgoing/missed) shall be presented in a useable format.
SPT-CA-16 If a cellular forensic tool completes acquisition of the target device without error, then the corresponding date/time stamps and the duration of the call for call logs shall be presented in a useable format.
SPT-CA-17 If a cellular forensic tool completes acquisition of the target device without error, then ASCII text messages (i.e., SMS, EMS) shall be presented in a useable format.
SPT-CA-18 If a cellular forensic tool completes acquisition of the target device without error, then the corresponding date/time stamps for text messages shall be presented in a useable format.
SPT-CA-19 If a cellular forensic tool completes acquisition of the target device without

Assertions Not Tested
error, then the corresponding status (i.e., read, unread) for text messages shall be presented in a useable format.
SPT-CA-20 If a cellular forensic tool completes acquisition of the target device without error, then the corresponding sender / recipient phone numbers for text messages shall be presented in a useable format.
SPT-CA-21 If a cellular forensic tool completes acquisition of the target device without error, then MMS messages and associated audio shall be presented in a useable format.
SPT-CA-22 If a cellular forensic tool completes acquisition of the target device without error, then MMS messages and associated graphic files shall be presented in a useable format.
SPT-CA-23 If a cellular forensic tool completes acquisition of the target device without error, then MMS messages and associated video shall be presented in a useable format.
SPT-CA-24 If a cellular forensic tool completes acquisition of the target device without error, then stand-alone audio files shall be presented in a useable format via either an internal application or suggested third-party application.
SPT-CA-25 If a cellular forensic tool completes acquisition of the target device without error, then stand-alone graphic files shall be presented in a useable format via either an internal application or suggested third-party application.
SPT-CA-26 If a cellular forensic tool completes acquisition of the target device without error, then stand-alone video files shall be presented in a useable format via either an internal application or suggested third-party application.
SPT-CA-27 If a cellular forensic tool completes acquisition of the target device without error, then device specific application-related data shall be acquired and presented in a useable format via either an internal application or suggested third-party application.
SPT-CA-28 If a cellular forensic tool completes acquisition of the target device without error, then Internet related data (i.e., bookmarks, visited sites) cached to the device shall be acquired and presented in a useable format.
SPT-AO-01 If a cellular forensic tool provides support for connectivity of the target SIM, then the tool shall successfully recognize the target SIM via all tool-supported interfaces (e.g., PC/SC reader, proprietary reader, smart phone itself).
SPT-AO-02 If a cellular forensic tool attempts to connect to a nonsupported SIM, then the tool shall notify the user that the SIM is not supported.
SPT-AO-03 If a cellular forensic tool loses connectivity with the SIM reader, then the tool shall notify the user that connectivity has been disrupted.
SPT-AO-04 If a cellular forensic tool completes acquisition of the target SIM without error, then the SPN shall be presented in a useable format.
SPT-AO-05 If a cellular forensic tool completes acquisition of the target SIM without error, then the ICCID shall be presented in a useable format.
SPT-AO-06 If a cellular forensic tool completes acquisition of the target SIM without error, then the IMSI shall be presented in a useable format.
SPT-AO-07 If a cellular forensic tool completes acquisition of the target SIM without error, then the MSISDN shall be presented in a useable format.
SPT-AO-08 If a cellular forensic tool completes acquisition of the target SIM without error, then ASCII Abbreviated Dialing Numbers (ADN) shall be presented in a useable format.

Assertions Not Tested
SPT-AO-09 If a cellular forensic tool completes acquisition of the target SIM without error, then maximum length ADN shall be presented in a useable format.
SPT-AO-10 If a cellular forensic tool completes acquisition of the SIM without error, then ADN containing special characters shall be presented in a useable format.
SPT-AO-11 If a cellular forensic tool completes acquisition of the SIM without error, then ADN containing blank names shall be presented in a useable format.
SPT-AO-12 If a cellular forensic tool completes acquisition of the target SIM without error, then Last Numbers Dialed (LND) shall be presented in a useable format.
SPT-AO-13 If a cellular forensic tool completes acquisition of the target SIM without error, then the corresponding date/time stamps for LNDs shall be presented in a useable format.
SPT-AO-14 If a cellular forensic tool completes acquisition of the target SIM without error, then ASCII SMS text messages shall be presented in a useable format.
SPT-AO-15 If a cellular forensic tool completes acquisition of the target SIM without error, then ASCII EMS text messages shall be presented in a useable format.
SPT-AO-16 If a cellular forensic tool completes acquisition of the target SIM without error, then the corresponding date/time stamps for all text messages shall be presented in a useable format.
SPT-AO-17 If a cellular forensic tool completes acquisition of the target SIM without error, then the corresponding status (i.e., read, unread) for text messages shall be presented in a useable format.
SPT-AO-18 If a cellular forensic tool completes acquisition of the target SIM without error, then the corresponding sender / recipient phone numbers for text messages shall be presented in a useable format.
SPT-AO-19 If the cellular forensic tool completes acquisition of the target SIM without error, then deleted text messages that have not been overwritten shall be presented in a useable format.
SPT-AO-20 If a cellular forensic tool completes acquisition of the target SIM without error, then location-related data (i.e., LOCI) shall be presented in a useable format.
SPT-AO-21 If a cellular forensic tool completes acquisition of the target SIM without error, then location-related data (i.e., GRPSLOCI) shall be presented in a useable format.
SPT-AO-22 If a cellular forensic tool provides the user with an “Acquire All” SIM data objects acquisition option, then the tool shall complete the acquisition of all data objects without error.
SPT-AO-23 If a cellular forensic tool provides the user with a “Select All” individual SIM data objects, then the tool shall complete the acquisition of all individually selected data objects without error.
SPT-AO-24 If a cellular forensic tool provides the user with the ability to “Select Individual” SIM data objects for acquisition, then the tool shall acquire each exclusive data object without error.
SPT-AO-28 If the SIM is password-protected, then the cellular forensic tool shall provide the examiner with the opportunity to input the PIN before acquisition.
SPT-AO-29 If a cellular forensic tool provides the examiner with the remaining number of authentication attempts, then the application should provide an accurate count of the remaining PIN attempts.

Assertions Not Tested
SPT-AO-30 If a cellular forensic tool provides the examiner with the remaining number of PUK attempts, then the application should provide an accurate count of the remaining PUK attempts.
SPT-AO-31 If the cellular forensic tool supports a physical acquisition of the target device, then the tool shall complete the acquisition without error.
SPT-AO-32 If the cellular forensic tool supports the interpretation of address book entries present on the target device, then the tool shall report recoverable active and deleted data or address book data remnants in a useable format.
SPT-AO-33 If the cellular forensic tool supports the interpretation of calendar, tasks, or notes present on the target device, then the tool shall report recoverable active and deleted calendar, tasks, or note data remnants in a useable format.
SPT-AO-34 If the cellular forensic tool supports the interpretation of call logs present on the target device, then the tool shall report recoverable active and deleted call or call log data remnants in a useable format.
SPT-AO-35 If the cellular forensic tool supports the interpretation of SMS messages present on the target device, then the tool shall report recoverable active and deleted SMS messages or SMS message data remnants in a useable format.
SPT-AO-36 If the cellular forensic tool supports the interpretation of EMS messages present on the target device, then the tool shall report recoverable active and deleted EMS messages or EMS message data remnants in a useable format.
SPT-AO-37 If the cellular forensic tool supports the interpretation of audio files present on the target device, then the tool shall report recoverable active and deleted audio data or audio file data remnants in a useable format.
SPT-AO-38 If the cellular forensic tool supports the interpretation of graphic files present on the target device, then the tool shall report recoverable active and deleted graphic file data or graphic file data remnants in a useable format.
SPT-AO-39 If the cellular forensic tool supports the interpretation of video files present on the target device, then the tool shall report recoverable active and deleted video file data or video file data remnants in a useable format.
SPT-AO-40 If the cellular forensic tool supports display of non-ASCII characters, then the application should present ADN in their native format.
SPT-AO-41 If the cellular forensic tool supports proper display of non-ASCII characters, then the application should present text messages in their native format.
SPT-AO-42 If the cellular forensic tool supports stand-alone acquisition of internal memory with the SIM present,, then the contents of the SIM shall not be modified during internal memory acquisition.
SPT-AO-44 If the cellular forensic tool supports acquisition of GPS data, then the tool shall present the user with the longitude and latitude coordinates for all GPS-related data in a useable format.

The following sections provide detailed information for the anomalies from Tables 3a – 3i.

3.1 Acquisition of Personal Information Management (PIM) data

For test case SPT-06, graphics files associated with address book entries were not reported for the iPhone4 GSM, iPhone4 CDMA, HTC Thunderbolt or the Palm Pre2.

Regular length address book entries with fields for a first, middle and last name were reported incorrectly for the Samsung Focus. The first name was appended with a semi-colon, e.g., “John Doe Smith” was reported as: “John; Doe Smith”.

Regular length address book entries containing a value in only the first name field were reported incorrectly for the Motorola Tundra. The content of the first name field was reported twice, e.g., “John” was reported as: “John John”. Also, memo application-related data was not reported.

Regular length address book entries containing a first, middle and last name were reported incorrectly for the Palm Pre2. The middle name was not reported. Maximum length address book entries were truncated for the Palm Pre2 (a maximum of 54 characters were reported). Also, email addresses were not reported.

3.2 Acquisition of MMS messages

The textual portion of MMS messages was not reported for the BlackBerry Torch, Nokia 6350 or the HTC Thunderbolt for test case SPT–09.

3.3 Acquisition of call log data

For test case SPT-07, incoming, outgoing and missed calls were not reported for the Motorola Tundra.

3.4 Notification of device acquisition disruption

Notification of device acquisition disruption was not succesful in Test case SPT-03 for the Palm Pre2. The acquisition was disrupted by removing the cable from the mobile device. Instead of informing the examiner that connectivity with the mobile device had been disrupted, the tool appeared to continue acquiring the contents of the mobile device.

3.5 Acquisition of subscriber and equipment-related information

Mobile equipment identifier (MEID) for the Palm Pre2 was not reported for test case SPT–05.

3.6 Acquisition of PIM data containing non-ASCII characters

For test case SPT-33, non-ASCII address book entries acquired from the BlackBerry Torch were reported incorrectly, e.g., ‘é’ is reported as a box character (‘□’).

3.7 Acquisition of supported data elements

When attempting to acquire call log data for the Motorola Tundra for test case SPT-13, the acquisition ends with the following error message: “VA76R Tundra (Cable 80): Cannot read extra info.”

4 Testing Environment

The tests were run in the NIST CFTT lab. This section describes the testing environment including available computers, mobile devices and the data objects used to popuate mobile devices and Subscriber Identity Modules.

4.1 Test Computers

One computer was used to run the tool: **Morrisy**.

Morrisy has the following configuration:

Intel® D975XBX2 Motherboard
BIOS Version BX97520J.86A.2674.2007.0315.1546
Intel® Core™2 Duo CPU 6700 @ 2.66Ghz
3.25 GB RAM
1.44 MB floppy drive
LITE–ON CD H LH52N1P
LITE–ON DVDRW LH–20A1P
2 slots for removable SATA hard disk drive
8 USB 2.0 slots
2 IEEE 1394 ports
3 IEEE 1394 ports (mini)

4.2 Mobile Devices

The following table lists the mobile devices used.

Table 4.2 Mobile Devices

Make	Model	OS	Network
Apple iPhone	4	iOS v4.3.3 (8J2)	AT&T
Blackberry	9800 (Torch)	Blackberry v6.0.0.526	AT&T
Samsung	SGH-i917 (Focus)	Windows Phone 7	AT&T
Nokia	6350	V13.17 09-12-10 RM-455	AT&T
Motorola	Tundra	R63715_U_71.01.82R	AT&T
Apple iPhone	4	iOS v4.2.10 (8E600)	Verizon
HTC	Thunderbolt	Android 2.2.1	Verizon
Palm	Pre2	Palm webOS 2.0.1	Verizon

Make	Model	OS	Network
Samsung	Haven	DJ26	Verizon

4.3 Internal memory data objects

The following data objects were used to populate the internal memory of the smart phones.

Table 4.3 Internal Memory Data Objects

Data Objects	Data Elements
Address Book Entries	
	Regular Length
	Maximum Length
	Special Character
	Blank Name
	Regular Length, email
	Regular Length, graphic
	Deleted Entry
	Non-ASCII Entry
PIM Data	
	Regular Length
	Maximum Length
	Deleted Entry
	Special Character
Call Logs	
	Incoming
	Outgoing
	Missed
	Incoming - Deleted
	Outgoing - Deleted
	Missed - Deleted
Text Messages	
	Incoming SMS - Read
	Incoming SMS - Unread
	Outgoing SMS
	Incoming EMS - Read
	Incoming EMS - Unread
	Outgoing EMS
	Incoming SMS - Deleted
	Outgoing SMS - Deleted
	Incoming EMS - Deleted
	Outgoing EMS - Deleted
	Non-ASCII EMS
MMS Messages	

Data Objects	Data Elements
	Incoming Audio
	Incoming Graphic
	Incoming Video
	Outgoing Audio
	Outgoing Graphic
	Outgoing Video
Stand-alone data files	
	Audio
	Graphic
	Video
	Audio - Deleted
	Graphic - Deleted
	Video - Deleted
Application Data	
	Device Specific App Data
Location Data	
	GPS Coordinates

4.4 Subscriber Identity Module Data Objects

The following data objects were used to populate the subscriber identity modules.

Table 4.4 Subscriber Identity Module Data Objects

Data Objects	Data Elements
Abbreviated Dialing Numbers (ADN)	
	Maximum Length
	Special Character
	Blank Name
	Non-ASCII Entry
	Regular Length - Deleted Number
Call Logs	
	Last Numbers Dialed (LND)
Text Messages	
	Incoming SMS - Read
	Incoming SMS - Unread
	Non-ASCII SMS
	Incoming SMS - Deleted
	Non-ASCII EMS
	Incoming EMS - Deleted

5 Test Results

The main item of interest for interpreting the test results is determining the conformance of the tool under test. Conformance with each assertion tested by a given test case is evaluated by examining the **Log Highlights** box of the test report.

5.1 Test Results Report Key

The following table presents an explanation of each section of the test details in section 5.2. The Tester Name, Test Host, Test Date, Device, Source Setup and Log Highlights sections for each test case are populated by excerpts taken from the log files produced by the tool under test.

Table 5 Test Results Report Key

Heading	Description
First Line:	Test case ID, name, and version of tool tested.
Case Summary:	Test case summary from *Smart Phone Tool Test Assertion and Test Plan.*
Assertions:	The test assertions applicable to the test case, selected from *Smart Phone Tool Test Assertion and Test Plan.*
Tester Name:	Name or initials of person executing test procedure.
Test Host:	Host computer executing the test.
Test Date:	Time and date that test was started.
Device:	Source mobile device, SIM.
Source Setup:	Acquisition interface.
Log Highlights:	Information extracted from various log files to illustrate conformance or non-conformance to the test assertions.
Results:	Expected and actual results for each assertion tested.
Analysis:	Whether or not the expected results were achieved.

5.2 Test Details

The test results are presented in this section.

5.2.1 SPT-01 (iPhone4 GSM)

Test Case SPT-01 Cellebrite Version 1.1.8.6	
Case Summary:	SPT-01 Acquire mobile device internal memory over tool-supported interfaces (e.g., cable, Bluetooth, IrDA).
Assertions:	SPT-CA-01 If a cellular forensic tool provides support for connectivity of the target device, then the tool shall successfully recognize the target device via all vendor-supported interfaces (e.g., cable, Bluetooth, IrDA). SPT-CA-04 If a cellular forensic tool completes acquisition of the target device without error, then the tool shall have the ability to present acquired data objects in a useable format via either a preview pane or generated report. SPT-CA-29 If a cellular forensic tool provides the user with an “Acquire All” device data objects acquisition option, then the tool shall complete the acquisition of all data objects without error. SPT-CA-30 If a cellular forensic tool provides the user with a “Select All” individual device data objects, then the tool shall complete the acquisition of all individually selected data objects without error. SPT-CA-31 If a cellular forensic tool provides the user with the ability to “Select Individual” device data objects for acquisition, then the tool shall acquire each exclusive data object without error. SPT-CA-32 If a cellular forensic tool completes two consecutive logical acquisitions of the target device without error, then the payload (data objects) on the mobile device shall remain consistent.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Fri Dec 16 08:37:40 EST 2011
Device:	iPhone4_GSM
Source Setup:	OS: WIN XP v5.1.2600 Interface: cable
Log Highlights:	Created by Cellebrite Acquisition started: Fri Dec 16 08:37:40 EST 2011 Acquisition finished: Fri Dec 16 08:43:20 EST 2011 Device connectivity was established via supported interface
Results:	

Assertion & Expected Result	**Actual Result**
SPT-CA-01 Device connectivity via supported interfaces.	as expected
SPT-CA-04 Readability and completeness of acquired data via supported reports.	as expected
SPT-CA-29 Acquire-All data objects acquisition.	as expected
SPT-CA-30 Select-All data objects acquisition.	as expected
SPT-CA-31 Select-Individual data objects acquisition.	as expected
SPT-CA-32 Perform back-to-back acquisitions, check device payload for modifications.	as expected

Analysis:	Expected results achieved

5.2.2 SPT-02 (iPhone4 GSM)

Test Case SPT-02 Cellebrite Version 1.1.8.6	
Case Summary:	SPT-02 Attempt internal memory acquisition of a nonsupported mobile device.
Assertions:	SPT-CA-02 If a cellular forensic tool attempts to connect to a nonsupported device, then the tool shall notify the user that the device is not supported.

Test Case SPT-02 Cellebrite Version 1.1.8.6	
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Fri Dec 16 08:57:02 EST 2011
Device:	unsupported_device
Source Setup:	OS: WIN XP v5.1.2600 Interface: cable
Log Highlights:	Created by Cellebrite Acquisition started: Fri Dec 16 08:57:02 EST 2011 Acquisition finished: Fri Dec 16 08:58:13 EST 2011 Identification of nonsupported devices was successful
Results:	**Assertion & Expected Result** / **Actual Result** SPT-CA-02 Identification of nonsupported devices. / as expected
Analysis:	Expected results achieved

5.2.3 SPT-03 (iPhone4 GSM)

Test Case SPT-03 Cellebrite Version 1.1.8.6	
Case Summary:	SPT-03 Begin mobile device internal memory acquisition and interrupt connectivity by interface disengagement.
Assertions:	SPT-CA-03 If connectivity between the mobile device and cellular forensic tool is disrupted, then the tool shall notify the user that connectivity has been disrupted.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Fri Dec 16 09:03:51 EST 2011
Device:	iPhone4_GSM
Source Setup:	OS: WIN XP v5.1.2600 Interface: cable
Log Highlights:	Created by Cellebrite Acquisition started: Fri Dec 16 09:03:51 EST 2011 Acquisition finished: Fri Dec 16 09:05:51 EST 2011 Device acquisition disruption notification was successful
Results:	**Assertion & Expected Result** / **Actual Result** SPT-CA-03 Notification of device acquisition disruption. / as expected
Analysis:	Expected results achieved

5.2.4 SPT-04 (iPhone4 GSM)

Test Case SPT-04 Cellebrite Version 1.1.8.6	
Case Summary:	SPT-04 Acquire mobile device internal memory and review reported data via the preview pane or generated reports for readability.
Assertions:	SPT-CA-04 If a cellular forensic tool completes acquisition of the target device without error, then the tool shall have the ability to present acquired data objects in a useable format via either a preview pane or generated report.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Fri Dec 16 09:23:14 EST 2011

Test Case SPT-04 Cellebrite Version 1.1.8.6	
Device:	iPhone4_GSM
Source Setup:	OS: WIN XP v5.1.2600 Interface: cable
Log Highlights:	Created by Cellebrite Acquisition started: Fri Dec 16 09:23:14 EST 2011 Acquisition finished: Fri Dec 16 09:30:39 EST 2011 Readability and completeness of acquired data was successful
Results:	

Assertion & Expected Result	Actual Result
SPT-CA-04 Readability and completeness of acquired data via supported reports.	as expected

Analysis:	Expected results achieved

5.2.5 SPT-05 (iPhone4 GSM)

Test Case SPT-05 Cellebrite Version 1.1.8.6	
Case Summary:	SPT-05 Acquire mobile device internal memory and review reported subscriber and equipment-related information (e.g., IMEI/MEID/ESN, MSISDN).
Assertions:	SPT-CA-05 If a cellular forensic tool completes acquisition of the target device without error, then subscriber-related information shall be presented in a useable format. SPT-CA-06 If a cellular forensic tool completes acquisition of the target device without error, then equipment-related information shall be presented in a useable format.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Fri Dec 16 09:32:38 EST 2011
Device:	iPhone4_GSM
Source Setup:	OS: WIN XP v5.1.2600 Interface: cable
Log Highlights:	Created by Cellebrite Acquisition started: Fri Dec 16 09:32:38 EST 2011 Acquisition finished: Fri Dec 16 09:35:08 EST 2011 Subscriber and equipment-related data (i.e., MSISDN, IMEI) were acquired
Results:	

Assertion & Expected Result	Actual Result
SPT-CA-05 Acquisition of MSISDN, IMSI.	as expected
SPT-CA-06 Acquisition of IMEI/MEID/ESN.	as expected

Analysis:	Expected results achieved

5.2.6 SPT-06 (iPhone4 GSM)

Test Case SPT-06 Cellebrite Version 1.1.8.6	
Case Summary:	SPT-06 Acquire mobile device internal memory and review reported PIM related data.
Assertions:	SPT-CA-07 If a cellular forensic tool completes acquisition of the target device without error, then address book entries shall be presented in a useable format. SPT-CA-08 If a cellular forensic tool completes acquisition of the target device without error, then maximum length address book entries shall be presented in a useable format. SPT-CA-09 If a cellular forensic tool completes acquisition of the target device without error, then address book entries containing special

<table>
<tr><th colspan="2">Test Case SPT-06 Cellebrite Version 1.1.8.6</th></tr>
<tr><td></td><td>characters shall be presented in a useable format.
SPT-CA-10 If a cellular forensic tool completes acquisition of the target device without error, then address book entries containing blank names shall be presented in a useable format.
SPT-CA-11 If a cellular forensic tool completes acquisition of the target device without error, then email addresses associated with address book entries shall be presented in a useable format.
SPT-CA-12 If a cellular forensic tool completes acquisition of the target device without error, then graphics associated with address book entries shall be presented in a useable format.
SPT-CA-13 If a cellular forensic tool completes acquisition of the target device without error, then datebook, calendar, note entries shall be presented in a useable format.
SPT-CA-14 If a cellular forensic tool completes acquisition of the target device without error, then maximum length datebook, calendar, note entries shall be presented in a useable format.</td></tr>
<tr><td>Tester Name:</td><td>rpa</td></tr>
<tr><td>Test Host:</td><td>Morrisy</td></tr>
<tr><td>Test Date:</td><td>Fri Dec 16 09:47:29 EST 2011</td></tr>
<tr><td>Device:</td><td>iPhone4_GSM</td></tr>
<tr><td>Source Setup:</td><td>OS: WIN XP v5.1.2600
Interface: cable</td></tr>
<tr><td>Log Highlights:</td><td>Created by Cellebrite
Acquisition started: Fri Dec 16 09:47:29 EST 2011
Acquisition finished: Fri Dec 16 09:51:34 EST 2011

Regular Length Address Book entries were acquired
Maximum Length Address Book entries were acquired
Special Character Address Book entries were acquired
Blank Name Address Book entries were acquired
Email addresses within Address Book entries were acquired
Embedded graphics within Address Book entries were not acquired
Basic PIM related data was acquired
Maximum length PIM related data was acquired</td></tr>
<tr><td>Results:</td><td>
<table>
<tr><th>Assertion & Expected Result</th><th>Actual Result</th></tr>
<tr><td>SPT-CA-07 Acquisition of address book entries.</td><td>as expected</td></tr>
<tr><td>SPT-CA-08 Acquisition of maximum length address book entries.</td><td>as expected</td></tr>
<tr><td>SPT-CA-09 Acquisition of address book entries containing special characters.</td><td>as expected</td></tr>
<tr><td>SPT-CA-10 Acquisition of address book entries containing a blank name entry.</td><td>as expected</td></tr>
<tr><td>SPT-CA-11 Acquisition of embedded email addresses within address book entries.</td><td>as expected</td></tr>
<tr><td>SPT-CA-12 Acquisition of embedded graphics within address book entries.</td><td>Not as expected</td></tr>
<tr><td>SPT-CA-13 Acquisition of PIM data (i.e., datebook/calendar, notes).</td><td>as expected</td></tr>
<tr><td>SPT-CA-14 Acquisition of maximum length PIM data.</td><td>as expected</td></tr>
</table>
</td></tr>
<tr><td>Analysis:</td><td>Expected results partially achieved</td></tr>
</table>

5.2.7 SPT-07 (iPhone4 GSM)

<table>
<tr><th colspan="2">Test Case SPT-07 Cellebrite Version 1.1.8.6</th></tr>
<tr><td>Case Summary:</td><td>SPT-07 Acquire mobile device internal memory and review reported call logs.</td></tr>
<tr><td>Assertions:</td><td>SPT-CA-15 If a cellular forensic tool completes acquisition of the target device without error, then call logs (incoming/outgoing/missed) shall be presented in a useable format.
SPT-CA-16 If a cellular forensic tool completes acquisition of the target</td></tr>
</table>

Test Case SPT-07 Cellebrite Version 1.1.8.6	
	device without error, then the corresponding date/time stamps and the duration of the call for call logs shall be presented in a useable format.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Fri Dec 16 10:01:28 EST 2011
Device:	iPhone4_GSM
Source Setup:	OS: WIN XP v5.1.2600 Interface: cable
Log Highlights:	Created by Cellebrite Acquisition started: Fri Dec 16 10:01:28 EST 2011 Acquisition finished: Fri Dec 16 10:09:12 EST 2011 All Call Logs (incoming, outgoing, missed) were acquired All Call Log date/time stamps data were correctly reported
Results:	

Assertion & Expected Result	Actual Result
SPT-CA-15 Acquisition of call logs.	as expected
SPT-CA-16 Acquisition of call log date/time stamps.	as expected

Analysis:	Expected results achieved

5.2.8 SPT-08 (iPhone4 GSM)

Test Case SPT-08 Cellebrite Version 1.1.8.6	
Case Summary:	SPT-08 Acquire mobile device internal memory and review reported text messages.
Assertions:	SPT-CA-17 If a cellular forensic tool completes acquisition of the target device without error, then ASCII text messages (i.e., SMS, EMS) shall be presented in a useable format. SPT-CA-18 If a cellular forensic tool completes acquisition of the target device without error, then the corresponding date/time stamps for text messages shall be presented in a useable format. SPT-CA-19 If a cellular forensic tool completes acquisition of the target device without error, then the corresponding status (i.e., read, unread) for text messages shall be presented in a useable format. SPT-CA-20 If a cellular forensic tool completes acquisition of the target device without error, then the corresponding sender / recipient phone numbers for text messages shall be presented in a useable format.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Fri Dec 16 10:29:51 EST 2011
Device:	iPhone4_GSM
Source Setup:	OS: WIN XP v5.1.2600 Interface: cable
Log Highlights:	Created by Cellebrite Acquisition started: Fri Dec 16 10:29:51 EST 2011 Acquisition finished: Fri Dec 16 10:52:53 EST 2011 ALL text messages (SMS, EMS) were acquired Correct date/time stamps were reported for all text messages Correct status flags were reported for all text messages Sender and Recipient phone numbers associated with text messages were correctly reported
Results:	

Assertion & Expected Result	Actual Result
SPT-CA-17 Acquisition of text messages.	as expected
SPT-CA-18 Acquisition of text message date/time stamps.	as expected
SPT-CA-19 Acquisition of text message status flags.	as expected

Test Case SPT-08 Cellebrite Version 1.1.8.6		
	SPT-CA-20 Acquisition of sender/recipient phone number associated with text messages.	as expected
Analysis:	Expected results achieved	

5.2.9 SPT-09 (iPhone4 GSM)

Test Case SPT-09 Cellebrite Version 1.1.8.6		
Case Summary:	SPT-09 Acquire mobile device internal memory and review reported MMS multimedia related data (i.e., text, audio, graphics, video).	
Assertions:	SPT-CA-21 If a cellular forensic tool completes acquisition of the target device without error, then MMS messages and associated audio shall be presented in a useable format. SPT-CA-22 If a cellular forensic tool completes acquisition of the target device without error, then MMS messages and associated graphic files shall be presented in a useable format. SPT-CA-23 If a cellular forensic tool completes acquisition of the target device without error, then MMS messages and associated video shall be presented in a useable format.	
Tester Name:	rpa	
Test Host:	Morrisy	
Test Date:	Fri Dec 16 13:29:12 EST 2011	
Device:	iPhone4_GSM	
Source Setup:	OS: WIN XP v5.1.2600 Interface: cable	
Log Highlights:	Created by Cellebrite Acquisition started: Fri Dec 16 13:29:12 EST 2011 Acquisition finished: Fri Dec 16 13:32:17 EST 2011 ALL MMS messages (Audio, Image, Video) were acquired	
Results:	**Assertion & Expected Result**	**Actual Result**
	SPT-CA-21 Acquisition of audio MMS messages.	as expected
	SPT-CA-22 Acquisition of graphic data image MMS messages.	as expected
	SPT-CA-23 Acquisition of video MMS messages.	as expected
Analysis:	Expected results achieved	

5.2.10 SPT-10 (iPhone4 GSM)

Test Case SPT-10 Cellebrite Version 1.1.8.6	
Case Summary:	SPT-10 Acquire mobile device internal memory and review reported stand-alone multimedia data (i.e., audio, graphics, video).
Assertions:	SPT-CA-24 If a cellular forensic tool completes acquisition of the target device without error, then stand-alone audio files shall be presented in a useable format via either an internal application or suggested third-party application. SPT-CA-25 If a cellular forensic tool completes acquisition of the target device without error, then stand-alone graphic files shall be presented in a useable format via either an internal application or suggested third-party application. SPT-CA-26 If a cellular forensic tool completes acquisition of the target device without error, then stand-alone video files shall be presented in a useable format via either an internal application or suggested third-party application.
Tester Name:	rpa

Test Case SPT-10 Cellebrite Version 1.1.8.6	
Test Host:	Morrisy
Test Date:	Fri Dec 16 13:09:30 EST 2011
Device:	iPhone4_GSM
Source Setup:	OS: WIN XP v5.1.2600 Interface: cable
Log Highlights:	Created by Cellebrite Acquisition started: Fri Dec 16 13:09:30 EST 2011 Acquisition finished: Fri Dec 16 13:13:10 EST 2011 Audio files were acquired Image files were acquired Video files were acquired
Results:	

Assertion & Expected Result	Actual Result
SPT-CA-24 Acquisition of stand-alone audio files.	as expected
SPT-CA-25 Acquisition of stand-alone graphic files.	as expected
SPT-CA-26 Acquisition of stand-alone video files.	as expected

Analysis:	Expected results achieved

5.2.11 SPT-12 (iPhone4 GSM)

Test Case SPT-12 Cellebrite Version 1.1.8.6	
Case Summary:	SPT-12 Acquire mobile device internal memory and review Internet related data (i.e., bookmarks, visited sites.
Assertions:	SPT-CA-28 If a cellular forensic tool completes acquisition of the target device without error, then Internet related data (i.e., bookmarks, visited sites) cached to the device shall be acquired and presented in a useable format.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Fri Dec 16 13:25:49 EST 2011
Device:	iPhone4_GSM
Source Setup:	OS: WIN XP v5.1.2600 Interface: cable
Log Highlights:	Created by Cellebrite Acquisition started: Fri Dec 16 13:25:49 EST 2011 Acquisition finished: Fri Dec 16 13:28:51 EST 2011 All Internet related data was acquired
Results:	

Assertion & Expected Result	Actual Result
SPT-CA-28 Acquisition of Internet related data.	as expected

Analysis:	Expected results achieved

5.2.12 SPT-13 (iPhone4 GSM)

Test Case SPT-13 Cellebrite Version 1.1.8.6	
Case Summary:	SPT-13 Acquire mobile device internal memory by selecting a combination of supported data elements.
Assertions:	SPT-CA-29 If a cellular forensic tool provides the user with an “Acquire All” device data objects acquisition option, then the tool shall complete the acquisition of all data objects without error. SPT-CA-30 If a cellular forensic tool provides the user with an “Select All” individual device data objects, then the tool shall complete the acquisition of all individually selected data objects without error. SPT-CA-31 If a cellular forensic tool provides the user with the ability to

Test Case SPT-13 Cellebrite Version 1.1.8.6	
	"Select Individual" device data objects for acquisition, then the tool shall acquire each exclusive data object without error.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Fri Dec 16 13:32:45 EST 2011
Device:	iPhone4_GSM
Source Setup:	OS: WIN XP v5.1.2600 Interface: cable
Log Highlights:	Created by Cellebrite Acquisition started: Fri Dec 16 13:32:45 EST 2011 Acquisition finished: Fri Dec 16 13:37:51 EST 2011 Acquire All acquisition was successful Select All acquisition was successful Individual data element acquisition was successful
Results:	

Assertion & Expected Result	Actual Result
SPT-CA-29 Acquire-All data objects acquisition.	as expected
SPT-CA-30 Select-All data objects acquisition.	as expected
SPT-CA-31 Select-Individual data objects acquisition.	as expected

Analysis:	Expected results achieved

5.2.13 SPT-14 (iPhone4 GSM)

Test Case SPT-14 Cellebrite Version 1.1.8.6	
Case Summary:	SPT-14 Acquire SIM memory over supported interfaces (e.g., PC/SC reader).
Assertions:	SPT-AO-01 If a cellular forensic tool provides support for connectivity of the target SIM, then the tool shall successfully recognize the target SIM via all tool-supported interfaces (e.g., PC/SC reader, proprietary reader, smart phone itself).
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Tue Dec 20 06:51:59 EST 2011
Device:	iPhone4_GSM
Source Setup:	OS: WIN XP v5.1.2600 Interface: SIM_Reader
Log Highlights:	Created by Cellebrite Acquisition started: Tue Dec 20 06:51:59 EST 2011 Acquisition finished: Tue Dec 20 06:52:28 EST 2011 Media connectivity was established via supported interface
Results:	

Assertion & Expected Result	Actual Result
SPT-AO-01 SIM connectivity via supported interfaces.	as expected

Analysis:	Expected results achieved

5.2.14 SPT-15 (iPhone4 GSM)

Test Case SPT-15 Cellebrite Version 1.1.8.6	
Case Summary:	SPT-15 Attempt acquisition of a nonsupported SIM.
Assertions:	SPT-AO-02 If a cellular forensic tool attempts to connect to a nonsupported

Test Case SPT-15 Cellebrite Version 1.1.8.6	
	SIM, then the tool shall notify the user that the SIM is not supported.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Tue Dec 20 06:53:16 EST 2011
Device:	iPhone4_GSM
Source Setup:	OS: WIN XP v5.1.2600 Interface: SIM_Reader
Log Highlights:	Created by Cellebrite Acquisition started: Tue Dec 20 06:53:16 EST 2011 Acquisition finished: Tue Dec 20 07:01:10 EST 2011 Identification of nonsupported media was successful
Results:	**Assertion & Expected Result** / **Actual Result** SPT-AO-02 Identification of nonsupported SIM. / as expected
Analysis:	Expected results achieved

5.2.15 SPT-16 (iPhone4 GSM)

Test Case SPT-16 Cellebrite Version 1.1.8.6	
Case Summary:	SPT-16 Begin SIM acquisition and interrupt connectivity by interface disengagement.
Assertions:	SPT-AO-03 If a cellular forensic tool loses connectivity with the SIM reader, then the tool shall notify the user that connectivity has been disrupted.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Tue Dec 20 07:01:45 EST 2011
Device:	iPhone4_GSM
Source Setup:	OS: WIN XP v5.1.2600 Interface: SIM_Reader
Log Highlights:	Created by Cellebrite Acquisition started: Tue Dec 20 07:01:45 EST 2011 Acquisition finished: Tue Dec 20 07:06:29 EST 2011 Media acquisition disruption notification was successful
Results:	**Assertion & Expected Result** / **Actual Result** SPT-AO-03 Notification of SIM acquisition disruption. / as expected
Analysis:	Expected results achieved

5.2.16 SPT-17 (iPhone4 GSM)

Test Case SPT-17 Cellebrite Version 1.1.8.6	
Case Summary:	SPT-17 Acquire SIM memory and review reported subscriber and equipment-related information (i.e., SPN, ICCID, IMSI, MSISDN).
Assertions:	SPT-AO-04 If a cellular forensic tool completes acquisition of the target SIM without error, then the SPN shall be presented in a useable format. SPT-AO-05 If a cellular forensic tool completes acquisition of the target SIM without error, then the ICCID shall be presented in a useable format. SPT-AO-06 If a cellular forensic tool completes acquisition of the target SIM without error, then the IMSI shall be presented in a useable format. SPT-AO-07 If a cellular forensic tool completes acquisition of the target SIM without error, then the MSISDN shall be presented in a useable format.

Test Case SPT-17 Cellebrite Version 1.1.8.6	
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Tue Dec 20 07:07:03 EST 2011
Device:	iPhone4_GSM
Source Setup:	OS: WIN XP v5.1.2600 Interface: SIM_Reader
Log Highlights:	Created by Cellebrite Acquisition started: Tue Dec 20 07:07:03 EST 2011 Acquisition finished: Tue Dec 20 07:11:52 EST 2011 All subscriber-related data (i.e., SPN, ICCID, IMSI, MSISDN) was acquired
Results:	

Assertion & Expected Result	Actual Result
SPT-AO-04 Acquisition of SPN.	as expected
SPT-AO-05 Acquisition of ICCID.	as expected
SPT-AO-06 Acquisition of IMSI.	as expected
SPT-AO-07 Acquisition of MSISDN.	as expected

Analysis:	Expected results achieved

5.2.17 SPT-18 (iPhone4 GSM)

Test Case SPT-18 Cellebrite Version 1.1.8.6	
Case Summary:	SPT-18 Acquire SIM memory and review reported Abbreviated Dialing Numbers (ADN).
Assertions:	SPT-AO-08 If a cellular forensic tool completes acquisition of the target SIM without error, then ASCII Abbreviated Dialing Numbers (ADN) shall be presented in a useable format. SPT-AO-09 If a cellular forensic tool completes acquisition of the target SIM without error, then maximum length ADN shall be presented in a useable format. SPT-AO-10 If a cellular forensic tool completes acquisition of the SIM without error, then ADN containing special characters shall be presented in a useable format. SPT-AO-11 If a cellular forensic tool completes acquisition of the SIM without error, then ADN containing blank names shall be presented in a useable format.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Tue Dec 20 07:19:21 EST 2011
Device:	iPhone4_GSM
Source Setup:	OS: WIN XP v5.1.2600 Interface: SIM_Reader
Log Highlights:	Created by Cellebrite Acquisition started: Tue Dec 20 07:19:21 EST 2011 Acquisition finished: Tue Dec 20 07:24:04 EST 2011 All ADN were acquired
Results:	

Assertion & Expected Result	Actual Result
SPT-AO-08 Acquisition of ADN.	as expected
SPT-AO-09 Acquisition of maximum length ADN.	as expected
SPT-AO-10 Acquisition of special character ADN.	as expected
SPT-AO-11 Acquisition of blank name ADN.	as expected

Analysis:	Expected results achieved

5.2.18 SPT-19 (iPhone4 GSM)

Test Case SPT-19 Cellebrite Version 1.1.8.6	
Case Summary:	SPT-19 Acquire SIM memory and review reported Last Numbers Dialed (LND).
Assertions:	SPT-AO-12 If a cellular forensic tool completes acquisition of the target SIM without error, then Last Numbers Dialed (LND) shall be presented in a useable format. SPT-AO-13 If a cellular forensic tool completes acquisition of the target SIM without error, then the corresponding date/time stamps for LNDs shall be presented in a useable format.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Tue Dec 20 07:50:04 EST 2011
Device:	iPhone4_GSM
Source Setup:	OS: WIN XP v5.1.2600 Interface: SIM_Reader
Log Highlights:	Created by Cellebrite Acquisition started: Tue Dec 20 07:50:04 EST 2011 Acquisition finished: Tue Dec 20 07:51:26 EST 2011 LNDs were acquired Date/Time Stamps correctly reported for LNDs
Results:	

Assertion & Expected Result	**Actual Result**
SPT-AO-12 Acquisition of LNDs.	as expected
SPT-AO-13 Acquisition of LND date/time stamps.	as expected

Analysis:	Expected results achieved

5.2.19 SPT-20 (iPhone4 GSM)

Test Case SPT-20 Cellebrite Version 1.1.8.6	
Case Summary:	SPT-20 Acquire SIM memory and review reported text messages (SMS, EMS).
Assertions:	SPT-AO-14 If a cellular forensic tool completes acquisition of the target SIM without error, then ASCII SMS text messages shall be presented in a useable format. SPT-AO-15 If a cellular forensic tool completes acquisition of the target SIM without error, then ASCII EMS text messages shall be presented in a useable format. SPT-AO-16 If a cellular forensic tool completes acquisition of the target SIM without error, then the corresponding date/time stamps for all text messages shall be presented in a useable format. SPT-AO-17 If a cellular forensic tool completes acquisition of the target SIM without error, then the corresponding status (i.e., read, unread) for text messages shall be presented in a useable format. SPT-AO-18 If a cellular forensic tool completes acquisition of the target SIM without error, then the corresponding sender / recipient phone numbers for text messages shall be presented in a useable format.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Tue Dec 20 07:51:56 EST 2011
Device:	iPhone4_GSM
Source Setup:	OS: WIN XP v5.1.2600 Interface: SIM_Reader
Log Highlights:	Created by Cellebrite Acquisition started: Tue Dec 20 07:51:56 EST 2011 Acquisition finished: Tue Dec 20 07:57:05 EST 2011 ALL text messages (SMS, EMS) were acquired All date/time stamps were reported for text messages

Test Case SPT-20 Cellebrite Version 1.1.8.6	
	Correct status flags were reported for text messages Sender and Recipient phone numbers associated with text messages were correctly reported
Results:	

Assertion & Expected Result	Actual Result
SPT-AO-14 Acquisition of SMS messages.	as expected
SPT-AO-15 Acquisition of EMS messages.	as expected
SPT-AO-16 Acquisition of text message date/time stamps.	as expected
SPT-AO-17 Acquisition of text message status flags.	as expected
SPT-AO-18 Acquisition of sender/recipient phone number associated with text messages.	as expected

Analysis:	Expected results achieved

5.2.20 SPT-21 (iPhone4 GSM)

Test Case SPT-21 Cellebrite Version 1.1.8.6	
Case Summary:	SPT-21 Acquire SIM memory and review recoverable deleted text messages (SMS, EMS).
Assertions:	SPT-AO-19 If the cellular forensic tool completes acquisition of the target SIM without error, then deleted text messages that have not been overwritten shall be presented in a useable format.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Tue Dec 20 08:01:36 EST 2011
Device:	iPhone4_GSM
Source Setup:	OS: WIN XP v5.1.2600 Interface: SIM_Reader
Log Highlights:	Created by Cellebrite Acquisition started: Tue Dec 20 08:01:36 EST 2011 Acquisition finished: Tue Dec 20 08:03:41 EST 2011 Deleted text message data was recovered
Results:	

Assertion & Expected Result	Actual Result
SPT-AO-19 Acquisition of non-overwritten deleted text messages.	as expected

Analysis:	Expected results achieved

5.2.21 SPT-22 (iPhone4 GSM)

Test Case SPT-22 Cellebrite Version 1.1.8.6	
Case Summary:	SPT-22 Acquire SIM memory and review reported location-related data (i.e., LOCI, GPRSLOCI).
Assertions:	SPT-AO-20 If a cellular forensic tool completes acquisition of the target SIM without error, then location-related data (i.e., LOCI) shall be presented in a useable format. SPT-AO-21 If a cellular forensic tool completes acquisition of the target SIM without error, then location-related data (i.e., GRPSLOCI) shall be presented in a useable format.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Tue Dec 20 08:04:13 EST 2011
Device:	iPhone4_GSM

Test Case SPT-22 Cellebrite Version 1.1.8.6	
Source Setup:	OS: WIN XP v5.1.2600 Interface: SIM_Reader
Log Highlights:	Created by Cellebrite Acquisition started: Tue Dec 20 08:04:13 EST 2011 Acquisition finished: Tue Dec 20 08:06:39 EST 2011 LOCI data was acquired GPRSLOCI data was acquired
Results:	

Assertion & Expected Result	Actual Result
SPT-AO-20 Acquisition of LOCI information.	as expected
SPT-AO-21 Acquisition of GPRSLOCI information.	as expected

Analysis:	Expected results achieved

5.2.22 SPT-23 (iPhone4 GSM)

Test Case SPT-23 Cellebrite Version 1.1.8.6	
Case Summary:	SPT-23 Acquire SIM memory by selecting a combination of supported data elements.
Assertions:	SPT-AO-01 If a cellular forensic tool provides support for connectivity of the target SIM, then the tool shall successfully recognize the target SIM via all tool-supported interfaces (e.g., PC/SC reader, proprietary reader, smart phone itself). SPT-AO-22 If a cellular forensic tool provides the user with an “Acquire All” SIM data objects acquisition option, then the tool shall complete the acquisition of all data objects without error. SPT-AO-23 If a cellular forensic tool provides the user with an “Select All” individual SIM data objects, then the tool shall complete the acquisition of all individually selected data objects without error. SPT-AO-24 If a cellular forensic tool provides the user with the ability to “Select Individual” SIM data objects for acquisition, then the tool shall acquire each exclusive data object without error.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Tue Dec 20 09:12:44 EST 2011
Device:	iPhone4_GSM
Source Setup:	OS: WIN XP v5.1.2600 Interface: SIM_Reader
Log Highlights:	Created by Cellebrite Acquisition started: Tue Dec 20 09:12:44 EST 2011 Acquisition finished: Tue Dec 20 09:13:57 EST 2011 Acquire All acquisition was successful Select All acquisition was successful Individual data element acquisition was successful
Results:	

Assertion & Expected Result	Actual Result
SPT-AO-01 SIM connectivity via supported interfaces.	as expected
SPT-AO-22 Acquire-All data objects acquisition.	as expected
SPT-AO-23 Select-All data objects acquisition.	as expected
SPT-AO-24 Select-Individual data objects acquisition.	as expected

Analysis:	Expected results achieved

5.2.23 SPT-24 (iPhone4 GSM)

Test Case SPT-24 Cellebrite Version 1.1.8.6	
Case Summary:	SPT-24 Acquire mobile device internal memory and review reported data via supported/generated report formats.
Assertions:	SPT-AO-25 If a cellular forensic tool completes acquisition of the target device without error, then the tool shall present the acquired data in a useable format via supported/generated report formats.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Tue Dec 20 10:12:10 EST 2011
Device:	iPhone4_GSM
Source Setup:	OS: WIN XP v5.1.2600 Interface: cable
Log Highlights:	Created by Cellebrite Acquisition started: Tue Dec 20 10:12:10 EST 2011 Acquisition finished: Tue Dec 20 10:14:00 EST 2011 Complete representation of known data via generated reports was successful
Results:	

Assertion & Expected Result	**Actual Result**
SPT-AO-25 Comparison of known device data elements via generated reports.	as expected

Analysis:	Expected results achieved

5.2.24 SPT-25 (iPhone4 GSM)

Test Case SPT-25 Cellebrite Version 1.1.8.6	
Case Summary:	SPT-25 Acquire mobile device internal memory and review reported data via the preview pane.
Assertions:	SPT-AO-26 If a cellular forensic tool completes acquisition of the target device without error, then the tool shall present the acquired data in a useable format in a preview pane view.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Tue Dec 20 10:14:24 EST 2011
Device:	iPhone4_GSM
Source Setup:	OS: WIN XP v5.1.2600 Interface: cable
Log Highlights:	Created by Cellebrite Acquisition started: Tue Dec 20 10:14:24 EST 2011 Acquisition finished: Tue Dec 20 10:17:43 EST 2011 Complete representation of known data via preview pane was successful
Results:	

Assertion & Expected Result	**Actual Result**
SPT-AO-26 Comparison of known device data elements via preview pane.	as expected

Analysis:	Expected results achieved

5.2.25 SPT-26 (iPhone4 GSM)

Test Case SPT-26 Cellebrite Version 1.1.8.6	
Case Summary:	SPT-26 Acquire SIM memory and review reported data via supported/generated report formats.
Assertions:	SPT-AO-25 If a cellular forensic tool completes acquisition of the SIM without error, then the tool shall present the acquired data in a useable format via supported/generated report formats.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Tue Dec 20 10:18:21 EST 2011
Device:	iPhone4_GSM
Source Setup:	OS: WIN XP v5.1.2600 Interface: SIM_Reader
Log Highlights:	Created by Cellebrite Acquisition started: Tue Dec 20 10:18:21 EST 2011 Acquisition finished: Tue Dec 20 10:19:22 EST 2011 Complete representation of known data via generated reports was successful
Results:	

Assertion & Expected Result	**Actual Result**
SPT-AO-25 Comparison of known device data elements via generated reports.	as expected

Analysis:	Expected results achieved

5.2.26 SPT-27 (iPhone4 GSM)

Test Case SPT-27 Cellebrite Version 1.1.8.6	
Case Summary:	SPT-27 Acquire SIM memory and review reported data via the preview pane.
Assertions:	SPT-AO-26 If a cellular forensic tool completes acquisition of the SIM without error, then the tool shall present the acquired data in a useable format in a preview pane view.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Tue Dec 20 10:20:22 EST 2011
Device:	iPhone4_GSM
Source Setup:	OS: WIN XP v5.1.2600 Interface: SIM_Reader
Log Highlights:	Created by Cellebrite Acquisition started: Tue Dec 20 10:20:22 EST 2011 Acquisition finished: Tue Dec 20 10:22:22 EST 2011 Complete representation of known data via preview pane was successful
Results:	

Assertion & Expected Result	**Actual Result**
SPT-AO-26 Comparison of known device data elements via preview pane.	as expected

Analysis:	Expected results achieved

5.2.27 SPT-28 (iPhone4 GSM)

Test Case SPT-28 Cellebrite Version 1.1.8.6	
Case Summary:	SPT-28 Attempt acquisition of a password-protected SIM.
Assertions:	SPT-AO-28 If the SIM is password-protected, then the cellular forensic tool shall provide the examiner with the opportunity to input the PIN before acquisition.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Tue Dec 20 10:38:37 EST 2011
Device:	iPhone4_GSM
Source Setup:	OS: WIN XP v5.1.2600 Interface: SIM_Reader
Log Highlights:	Created by Cellebrite Acquisition started: Tue Dec 20 10:38:37 EST 2011 Acquisition finished: Tue Dec 20 10:39:48 EST 2011 Ability to enter PIN on protected media before acquisition was successful
Results:	**Assertion & Expected Result** / **Actual Result** SPT-AO-28 Acquisition of password protected SIM. / as expected
Analysis:	Expected results achieved

5.2.28 SPT-29 (iPhone4 GSM)

Test Case SPT-29 Cellebrite Version 1.1.8.6	
Case Summary:	SPT-29 After a successful mobile device internal memory, alter the case file via third-party means and attempt to reopen the case.
Assertions:	SPT-AO-27 If the case file or individual data objects are modified via third-party means, then the tool shall provide protection mechanisms disallowing or reporting data modification.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Thu Dec 29 07:47:01 EST 2011
Device:	iPhone4_GSM
Source Setup:	OS: WIN XP v5.1.2600 Interface: cable
Log Highlights:	Created by Cellebrite Acquisition started: Thu Dec 29 07:47:01 EST 2011 Acquisition finished: Thu Dec 29 07:49:54 EST 2011 Notification of modified device memory data was successful
Results:	**Assertion & Expected Result** / **Actual Result** SPT-AO-27 Notification of modified device case data. / as expected
Analysis:	Expected results achieved

5.2.29 SPT-30 (iPhone4 GSM)

Test Case SPT-30 Cellebrite Version 1.1.8.6	
Case Summary:	SPT-30 After a successful SIM acquisition, alter the case file via third-party means and attempt to reopen the case.
Assertions:	SPT-AO-27 If the case file or individual data objects are modified via third-party means, then the tool shall provide protection mechanisms disallowing or reporting data modification.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Thu Dec 29 07:51:23 EST 2011
Device:	iPhone4_GSM
Source Setup:	OS: WIN XP v5.1.2600 Interface: SIM_Reader
Log Highlights:	Created by Cellebrite Acquisition started: Thu Dec 29 07:51:23 EST 2011 Acquisition finished: Thu Dec 29 07:54:12 EST 2011 Notification of modified SIM data was successful
Results:	

Assertion & Expected Result	**Actual Result**
SPT-AO-27 Notification of modified device case data.	as expected

Analysis:	Expected results achieved

5.2.30 SPT-31 (iPhone4 GSM)

Test Case SPT-31 Cellebrite Version 1.1.8.6	
Case Summary:	SPT-31 Perform a physical acquisition and review data output for readability.
Assertions:	SPT-AO-31 If the cellular forensic tool supports a physical acquisition of the target device, then the tool shall complete the acquisition without error.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Thu Dec 29 09:44:03 EST 2011
Device:	iPhone4_GSM
Source Setup:	OS: WIN XP v5.1.2600 Interface: cable
Log Highlights:	Created by Cellebrite Acquisition started: Thu Dec 29 09:44:03 EST 2011 Acquisition finished: Thu Dec 29 10:06:00 EST 2011 Physical Acquisition: readability and completeness was successful
Results:	

Assertion & Expected Result	**Actual Result**
SPT-AO-31 Physical acquisition, data is presented in a useable format.	as expected

Analysis:	Expected results achieved

5.2.31 SPT-32 (iPhone4 GSM)

Test Case SPT-32 Cellebrite Version 1.1.8.6	
Case Summary:	SPT-32 Perform a physical acquisition and review reports for recoverable deleted data.
Assertions:	SPT-AO-32 If the cellular forensic tool supports the interpretation of address book entries present on the target device, then the tool shall report recoverable active and deleted data or address book data remnants in a useable format. SPT-AO-33 If the cellular forensic tool supports the interpretation of calendar, tasks, or notes present on the target device, then the tool shall report recoverable active and deleted calendar, tasks, or note data remnants in a useable format. SPT-AO-34 If the cellular forensic tool supports the interpretation of call logs present on the target device, then the tool shall report recoverable active and deleted call or call log data remnants in a useable format. SPT-AO-35 If the cellular forensic tool supports the interpretation of SMS messages present on the target device, then the tool shall report recoverable active and deleted SMS messages or SMS message data remnants in a useable format. SPT-AO-36 If the cellular forensic tool supports the interpretation of EMS messages present on the target device, then the tool shall report recoverable active and deleted EMS messages or EMS message data remnants in a useable format. SPT-AO-37 If the cellular forensic tool supports the interpretation of audio files present on the target device, then the tool shall report recoverable active and deleted audio data or audio file data remnants in a useable format. SPT-AO-38 If the cellular forensic tool supports the interpretation of graphic files present on the target device, then the tool shall report recoverable active and deleted graphic file data or graphic file data remnants in a useable format. SPT-AO-39 If the cellular forensic tool supports the interpretation of video files present on the target device, then the tool shall report recoverable active and deleted video file data or video file data remnants in a useable format.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Thu Dec 29 09:44:26 EST 2011
Device:	iPhone4_GSM
Source Setup:	OS: WIN XP v5.1.2600 Interface: cable
Log Highlights:	Created by Cellebrite Acquisition started: Thu Dec 29 09:44:26 EST 2011 Acquisition finished: Thu Dec 29 10:06:16 EST 2011 Deleted address book entries were recovered Deleted PIM data was recovered Deleted Call log data was recovered Deleted text message data was recovered Deleted audio data was not recovered - NA Deleted graphic data was not recovered - NA Deleted video data was not recovered – NA **Notes**: Deleted notes are located in notes.sqlite and viewable using the Cellebrite's Hex View.
Results:	

Assertion & Expected Result	**Actual Result**
SPT-AO-32 Physical acquisition, recovery of deleted address book entries.	as expected
SPT-AO-33 Physical acquisition, recovery of deleted PIM data.	as expected
SPT-AO-34 Physical acquisition, recovery of deleted call	as expected

Test Case SPT-32 Cellebrite Version 1.1.8.6	
	logs.
	SPT-AO-35 Physical acquisition, recovery of deleted SMS messages. — as expected
	SPT-AO-36 Physical acquisition, recovery of deleted EMS messages. — as expected
Analysis:	Expected results achieved

5.2.32 SPT-33 (iPhone4 GSM)

Test Case SPT-33 Cellebrite Version 1.1.8.6	
Case Summary:	SPT-33 Acquire mobile device internal memory and review data containing non-ASCII characters.
Assertions:	SPT-AO-40 If the cellular forensic tool supports display of non-ASCII characters, then the application should present address book entries in their native format. SPT-AO-41 If the cellular forensic tool supports proper display of non-ASCII characters, then the application should present text messages in their native format.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Thu Dec 29 07:54:54 EST 2011
Device:	iPhone4_GSM
Source Setup:	OS: WIN XP v5.1.2600 Interface: cable
Log Highlights:	Created by Cellebrite Acquisition started: Thu Dec 29 07:54:54 EST 2011 Acquisition finished: Thu Dec 29 07:58:53 EST 2011 Non-ASCII Address book entries were acquired and properly displayed Non-ASCII text messages were acquired and properly displayed
Results:	**Assertion & Expected Result** — **Actual Result** SPT-AO-40 Acquisition of non-ASCII address book entries/ADN. — as expected SPT-AO-41 Acquisition of non-ASCII text messages. — as expected
Analysis:	Expected results achieved

5.2.33 SPT-34 (iPhone4 GSM)

Test Case SPT-34 Cellebrite Version 1.1.8.6	
Case Summary:	SPT-34 Acquire SIM memory and review data containing non-ASCII characters.
Assertions:	SPT-AO-40 If the cellular forensic tool supports display of non-ASCII characters, then the application should present ADN in their native format. SPT-AO-41 If the cellular forensic tool supports proper display of non-ASCII characters, then the application should present text messages in their native format.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Thu Dec 29 07:59:45 EST 2011
Device:	iPhone4_GSM
Source Setup:	OS: WIN XP v5.1.2600 Interface: SIM_Reader
Log	Created by Cellebrite

Test Case SPT-34 Cellebrite Version 1.1.8.6	
Highlights:	Acquisition started: Thu Dec 29 07:59:45 EST 2011 Acquisition finished: Thu Dec 29 08:04:47 EST 2011 Non-ASCII ADN were acquired and properly displayed Non-ASCII text messages were acquired and properly displayed
Results:	

Assertion & Expected Result	Actual Result
SPT-AO-40 Acquisition of non-ASCII address book entries/ADN.	as expected
SPT-AO-41 Acquisition of non-ASCII text messages.	as expected

Analysis:	Expected results achieved

5.2.34 SPT-35 (iPhone4 GSM)

Test Case SPT-35 Cellebrite Version 1.1.8.6	
Case Summary:	SPT-35 Begin acquisition on a PIN-protected SIM to determine if the tool provides an accurate count of the remaining number of PIN attempts and if the PIN attempts are decremented when entering an incorrect value.
Assertions:	SPT-AO-29 If a cellular forensic tool provides the examiner with the remaining number of authentication attempts, then the application should provide an accurate count of the remaining PIN attempts.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Thu Dec 29 14:15:30 EST 2011
Device:	iPhone4_GSM
Source Setup:	OS: WIN XP v5.1.2600 Interface: SIM_Reader
Log Highlights:	Created by Cellebrite Acquisition started: Thu Dec 29 14:15:30 EST 2011 Acquisition finished: Thu Dec 29 14:34:03 EST 2011 The remaining number of PIN attempts were properly displayed
Results:	

Assertion & Expected Result	Actual Result
SPT-AO-29 Display remaining number of PIN attempts.	as expected

Analysis:	Expected results achieved

5.2.35 SPT-36 (iPhone4 GSM)

Test Case SPT-36 Cellebrite Version 1.1.8.6	
Case Summary:	SPT-36 Begin acquisition on a SIM whose PIN attempts have been exhausted to determine if the tool provides an accurate count of the remaining number of PUK attempts and if the PUK attempts are decremented when entering an incorrect value.
Assertions:	SPT-AO-30 If a cellular forensic tool provides the examiner with the remaining number of PUK attempts, then the application should provide an accurate count of the remaining PUK attempts.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Thu Dec 29 14:15:57 EST 2011
Device:	iPhone4_GSM
Source Setup:	OS: WIN XP v5.1.2600 Interface: SIM_Reader

Test Case SPT-36 Cellebrite Version 1.1.8.6	
Log Highlights:	Created by Cellebrite Acquisition started: Thu Dec 29 14:15:57 EST 2011 Acquisition finished: Thu Dec 29 14:34:20 EST 2011 Remaining number of PUK attempts were properly displayed
Results:	<table><tr><th>Assertion & Expected Result</th><th>Actual Result</th></tr><tr><td>SPT-AO-30 Display remaining number of PUK attempts.</td><td>as expected</td></tr></table>
Analysis:	Expected results achieved

5.2.36 SPT-38 (iPhone4 GSM)

Test Case SPT-38 Cellebrite Version 1.1.8.6	
Case Summary:	SPT-38 Acquire mobile device internal memory and review hash values for vendor-supported data objects.
Assertions:	SPT-AO-43 If the cellular forensic tool supports hashing for individual data objects, then the tool shall present the user with a hash value for each supported data object.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Thu Dec 29 14:37:52 EST 2011
Device:	iPHone4_GSM
Source Setup:	OS: WIN XP v5.1.2600 Interface: cable
Log Highlights:	Created by Cellebrite Acquisition started: Thu Dec 29 14:37:52 EST 2011 Acquisition finished: Thu Dec 29 14:40:47 EST 2011 Hash values were properly reported for individually acquired device data elements
Results:	<table><tr><th>Assertion & Expected Result</th><th>Actual Result</th></tr><tr><td>SPT-AO-43 Acquire data, check known hash values for consistency.</td><td>as expected</td></tr></table>
Analysis:	Expected results achieved

5.2.37 SPT-39 (iPhone4 GSM)

Test Case SPT-39 Cellebrite Version 1.1.8.6	
Case Summary:	SPT-39 Acquire SIM memory and review hash values for vendor-supported data objects.
Assertions:	SPT-AO-43 If the cellular forensic tool supports hashing for individual data objects, then the tool shall present the user with a hash value for each supported data object.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Thu Dec 29 14:38:12 EST 2011
Device:	iPhone4_GSM
Source Setup:	OS: WIN XP v5.1.2600 Interface: SIM_Reader
Log Highlights:	Created by Cellebrite Acquisition started: Thu Dec 29 14:38:12 EST 2011 Acquisition finished: Thu Dec 29 14:41:32 EST 2011

Test Case SPT-39 Cellebrite Version 1.1.8.6	
	Hash values were properly reported for individually acquired SIM data elements
Results:	**Assertion & Expected Result** / **Actual Result** SPT-AO-43 Acquire data, check known hash values for consistency. / as expected
Analysis:	Expected results achieved

5.2.38 SPT-40 (iPhone4 GSM)

Test Case SPT-40 Cellebrite Version 1.1.8.6	
Case Summary:	SPT-40 Acquire mobile device internal memory and review data containing GPS longitude and latitude coordinates.
Assertions:	SPT-AO-44 If the cellular forensic tool supports acquisition of GPS data, then the tool shall present the user with the longitude and latitude coordinates for all GPS-related data in a useable format.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Fri Dec 30 06:58:35 EST 2011
Device:	iPhone4_GSM
Source Setup:	OS: WIN XP v5.1.2600 Interface: cable
Log Highlights:	Created by Cellebrite Acquisition started: Fri Dec 30 06:58:35 EST 2011 Acquisition finished: Fri Dec 30 07:05:36 EST 2011 GPS Coordinate data was successfully acquired
Results:	**Assertion & Expected Result** / **Actual Result** SPT-AO-44 Acquire data, check GPS data for consistency. / as expected
Analysis:	Expected results achieved

5.2.39 SPT-01 (BlackBerry Torch)

Test Case SPT-01 Cellebrite Version 1.1.8.6	
Case Summary:	SPT-01 Acquire mobile device internal memory over tool-supported interfaces (e.g., cable, Bluetooth, IrDA).
Assertions:	SPT-CA-01 If a cellular forensic tool provides support for connectivity of the target device, then the tool shall successfully recognize the target device via all vendor-supported interfaces (e.g., cable, Bluetooth, IrDA). SPT-CA-04 If a cellular forensic tool completes acquisition of the target device without error, then the tool shall have the ability to present acquired data objects in a useable format via either a preview pane or generated report. SPT-CA-29 If a cellular forensic tool provides the user with an “Acquire All” device data objects acquisition option, then the tool shall complete the acquisition of all data objects without error. SPT-CA-30 If a cellular forensic tool provides the user with a “Select All” individual device data objects, then the tool shall complete the acquisition of all individually selected data objects without error. SPT-CA-31 If a cellular forensic tool provides the user with the ability to “Select Individual” device data objects for acquisition, then the tool shall acquire each exclusive data object without error. SPT-CA-32 If a cellular forensic tool completes two consecutive logical acquisitions of the target device without error, then the payload (data objects) on the mobile device shall remain consistent.

Test Case SPT-01 Cellebrite Version 1.1.8.6	
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Mon Jan 30 07:50:55 EST 2012
Device:	BlackBerry_Torch
Source Setup:	OS: WIN XP v5.1.2600 Interface: cable
Log Highlights:	Created by Cellebrite Acquisition started: Mon Jan 30 07:50:55 EST 2012 Acquisition finished: Mon Jan 30 07:55:27 EST 2012 Device connectivity was established via supported interface
Results:	

Assertion & Expected Result	Actual Result
SPT-CA-01 Device connectivity via supported interfaces.	as expected
SPT-CA-04 Readability and completeness of acquired data via supported reports.	as expected
SPT-CA-29 Acquire-All data objects acquisition.	as expected
SPT-CA-30 Select-All data objects acquisition.	as expected
SPT-CA-31 Select-Individual data objects acquisition.	as expected
SPT-CA-32 Perform back-to-back acquisitions, check device payload for modifications.	as expected

Analysis:	Expected results achieved

5.2.40 SPT-02 (BlackBerry Torch)

Test Case SPT-02 Cellebrite Version 1.1.8.6	
Case Summary:	SPT-02 Attempt internal memory acquisition of a nonsupported mobile device.
Assertions:	SPT-CA-02 If a cellular forensic tool attempts to connect to a nonsupported device, then the tool shall notify the user that the device is not supported.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Mon Jan 30 07:56:59 EST 2012
Device:	unsupported_device
Source Setup:	OS: WIN XP v5.1.2600 Interface: cable
Log Highlights:	Created by Cellebrite Acquisition started: Mon Jan 30 07:56:59 EST 2012 Acquisition finished: Mon Jan 30 07:58:49 EST 2012 Identification of nonsupported devices was successful
Results:	

Assertion & Expected Result	Actual Result
SPT-CA-02 Identification of nonsupported devices.	as expected

Analysis:	Expected results achieved

5.2.41 SPT-03 (BlackBerry Torch)

Test Case SPT-03 Cellebrite Version 1.1.8.6	
Case Summary:	SPT-03 Begin mobile device internal memory acquisition and interrupt connectivity by interface disengagement.
Assertions:	SPT-CA-03 If connectivity between the mobile device and cellular forensic tool is disrupted, then the tool shall notify the user that connectivity has been disrupted.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Mon Jan 30 07:59:24 EST 2012
Device:	BlackBerry_Torch
Source Setup:	OS: WIN XP v5.1.2600 Interface: cable
Log Highlights:	Created by Cellebrite Acquisition started: Mon Jan 30 07:59:24 EST 2012 Acquisition finished: Mon Jan 30 08:00:31 EST 2012 Device acquisition disruption notification was successful
Results:	**Assertion & Expected Result** / **Actual Result** SPT-CA-03 Notification of device acquisition disruption. / as expected
Analysis:	Expected results achieved

5.2.42 SPT-04 (BlackBerry Torch)

Test Case SPT-04 Cellebrite Version 1.1.8.6	
Case Summary:	SPT-04 Acquire mobile device internal memory and review reported data via the preview pane or generated reports for readability.
Assertions:	SPT-CA-04 If a cellular forensic tool completes acquisition of the target device without error, then the tool shall have the ability to present acquired data objects in a useable format via either a preview pane or generated report.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Mon Jan 30 08:01:03 EST 2012
Device:	BlackBerry_Torch
Source Setup:	OS: WIN XP v5.1.2600 Interface: cable
Log Highlights:	Created by Cellebrite Acquisition started: Mon Jan 30 08:01:03 EST 2012 Acquisition finished: Mon Jan 30 08:04:08 EST 2012 Readability and completeness of acquired data was successful
Results:	**Assertion & Expected Result** / **Actual Result** SPT-CA-04 Readability and completeness of acquired data via supported reports. / as expected
Analysis:	Expected results achieved

5.2.43 SPT-05 (BlackBerry Torch)

Test Case SPT-05 Cellebrite Version 1.1.8.6	
Case Summary:	SPT-05 Acquire mobile device internal memory and review reported subscriber and equipment-related information (e.g., IMEI/MEID/ESN, MSISDN).
Assertions:	SPT-CA-05 If a cellular forensic tool completes acquisition of the target device without error, then subscriber-related information shall be presented in a useable format. SPT-CA-06 If a cellular forensic tool completes acquisition of the target device without error, then equipment-related information shall be presented in a useable format.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Mon Jan 30 08:31:24 EST 2012
Device:	BlackBerry_Torch
Source Setup:	OS: WIN XP v5.1.2600 Interface: cable
Log Highlights:	Created by Cellebrite Acquisition started: Mon Jan 30 08:31:24 EST 2012 Acquisition finished: Mon Jan 30 08:32:39 EST 2012 Subscriber and equipment-related data (i.e., MSISDN, IMEI) were acquired
Results:	**Assertion & Expected Result** / **Actual Result** SPT-CA-05 Acquisition of MSISDN, IMSI. / as expected SPT-CA-06 Acquisition of IMEI/MEID/ESN. / as expected
Analysis:	Expected results achieved

5.2.44 SPT-06 (BlackBerry Torch)

Test Case SPT-06 Cellebrite Version 1.1.8.6	
Case Summary:	SPT-06 Acquire mobile device internal memory and review reported PIM related data.
Assertions:	SPT-CA-07 If a cellular forensic tool completes acquisition of the target device without error, then address book entries shall be presented in a useable format. SPT-CA-08 If a cellular forensic tool completes acquisition of the target device without error, then maximum length address book entries shall be presented in a useable format. SPT-CA-09 If a cellular forensic tool completes acquisition of the target device without error, then address book entries containing special characters shall be presented in a useable format. SPT-CA-10 If a cellular forensic tool completes acquisition of the target device without error, then address book entries containing blank names shall be presented in a useable format. SPT-CA-11 If a cellular forensic tool completes acquisition of the target device without error, then email addresses associated with address book entries shall be presented in a useable format. SPT-CA-12 If a cellular forensic tool completes acquisition of the target device without error, then graphics associated with address book entries shall be presented in a useable format. SPT-CA-13 If a cellular forensic tool completes acquisition of the target device without error, then datebook, calendar, note entries shall be presented in a useable format. SPT-CA-14 If a cellular forensic tool completes acquisition of the target device without error, then maximum length datebook, calendar, note entries shall be presented in a useable format.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Mon Jan 30 08:50:21 EST 2012
Device:	BlackBerry_Torch
Source	OS: WIN XP v5.1.2600

Test Case SPT-06 Cellebrite Version 1.1.8.6	
Setup:	Interface: cable
Log Highlights:	Created by Cellebrite Acquisition started: Mon Jan 30 08:50:21 EST 2012 Acquisition finished: Mon Jan 30 09:11:48 EST 2012 All address book entries were successfully acquired ALL PIM related data was acquired
Results:	

Assertion & Expected Result	Actual Result
SPT-CA-07 Acquisition of address book entries.	as expected
SPT-CA-08 Acquisition of maximum length address book entries.	as expected
SPT-CA-09 Acquisition of address book entries containing special characters.	as expected
SPT-CA-10 Acquisition of address book entries containing a blank name entry.	as expected
SPT-CA-11 Acquisition of embedded email addresses within address book entries.	as expected
SPT-CA-12 Acquisition of embedded graphics within address book entries.	as expected
SPT-CA-13 Acquisition of PIM data (i.e., datebook/calendar, notes).	as expected
SPT-CA-14 Acquisition of maximum length PIM data.	as expected

Analysis:	Expected results achieved

5.2.45 SPT-07 (BlackBerry Torch)

Test Case SPT-07 Cellebrite Version 1.1.8.6	
Case Summary:	SPT-07 Acquire mobile device internal memory and review reported call logs.
Assertions:	SPT-CA-15 If a cellular forensic tool completes acquisition of the target device without error, then call logs (incoming/outgoing/missed) shall be presented in a useable format. SPT-CA-16 If a cellular forensic tool completes acquisition of the target device without error, then the corresponding date/time stamps and the duration of the call for call logs shall be presented in a useable format.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Mon Jan 30 09:13:04 EST 2012
Device:	BlackBerry_Torch
Source Setup:	OS: WIN XP v5.1.2600 Interface: cable
Log Highlights:	Created by Cellebrite Acquisition started: Mon Jan 30 09:13:04 EST 2012 Acquisition finished: Mon Jan 30 09:17:44 EST 2012 All Call Logs (incoming, outgoing, missed) were acquired All Call Log date/time stamps data were correctly reported
Results:	

Assertion & Expected Result	Actual Result
SPT-CA-15 Acquisition of call logs.	as expected
SPT-CA-16 Acquisition of call log date/time stamps.	as expected

Analysis:	Expected results achieved

5.2.46 SPT-08 (BlackBerry Torch)

<table>
<tr><th colspan="2">Test Case SPT-08 Cellebrite Version 1.1.8.6</th></tr>
<tr><td>Case Summary:</td><td>SPT-08 Acquire mobile device internal memory and review reported text messages.</td></tr>
<tr><td>Assertions:</td><td>SPT-CA-17 If a cellular forensic tool completes acquisition of the target device without error, then ASCII text messages (i.e., SMS, EMS) shall be presented in a useable format.
SPT-CA-18 If a cellular forensic tool completes acquisition of the target device without error, then the corresponding date/time stamps for text messages shall be presented in a useable format.
SPT-CA-19 If a cellular forensic tool completes acquisition of the target device without error, then the corresponding status (i.e., read, unread) for text messages shall be presented in a useable format.
SPT-CA-20 If a cellular forensic tool completes acquisition of the target device without error, then the corresponding sender / recipient phone numbers for text messages shall be presented in a useable format.</td></tr>
<tr><td>Tester Name:</td><td>rpa</td></tr>
<tr><td>Test Host:</td><td>Morrisy</td></tr>
<tr><td>Test Date:</td><td>Mon Jan 30 09:20:34 EST 2012</td></tr>
<tr><td>Device:</td><td>BlackBerry_Torch</td></tr>
<tr><td>Source Setup:</td><td>OS: WIN XP v5.1.2600
Interface: cable</td></tr>
<tr><td>Log Highlights:</td><td>Created by Cellebrite
Acquisition started: Mon Jan 30 09:20:34 EST 2012
Acquisition finished: Mon Jan 30 09:22:41 EST 2012

ALL text messages (SMS, EMS) were acquired
Correct date/time stamps were reported for all text messages
Correct status flags were reported for all text messages
Sender and Recipient phone numbers associated with text messages were correctly reported</td></tr>
<tr><td>Results:</td><td>
<table>
<tr><th>Assertion & Expected Result</th><th>Actual Result</th></tr>
<tr><td>SPT-CA-17 Acquisition of text messages.</td><td>as expected</td></tr>
<tr><td>SPT-CA-18 Acquisition of text message date/time stamps.</td><td>as expected</td></tr>
<tr><td>SPT-CA-19 Acquisition of text message status flags.</td><td>as expected</td></tr>
<tr><td>SPT-CA-20 Acquisition of sender/recipient phone number associated with text messages.</td><td>as expected</td></tr>
</table>
</td></tr>
<tr><td>Analysis:</td><td>Expected results achieved</td></tr>
</table>

5.2.47 SPT-09 (BlackBerry Torch)

<table>
<tr><th colspan="2">Test Case SPT-09 Cellebrite Version 1.1.8.6</th></tr>
<tr><td>Case Summary:</td><td>SPT-09 Acquire mobile device internal memory and review reported MMS multimedia related data (i.e., text, audio, graphics, video).</td></tr>
<tr><td>Assertions:</td><td>SPT-CA-21 If a cellular forensic tool completes acquisition of the target device without error, then MMS messages and associated audio shall be presented in a useable format.
SPT-CA-22 If a cellular forensic tool completes acquisition of the target device without error, then MMS messages and associated graphic files shall be presented in a useable format.
SPT-CA-23 If a cellular forensic tool completes acquisition of the target device without error, then MMS messages and associated video shall be presented in a useable format.</td></tr>
<tr><td>Tester Name:</td><td>rpa</td></tr>
<tr><td>Test Host:</td><td>Morrisy</td></tr>
<tr><td>Test Date:</td><td>Mon Jan 30 09:39:56 EST 2012</td></tr>
<tr><td>Device:</td><td>BlackBerry_Torch</td></tr>
<tr><td>Source Setup:</td><td>OS: WIN XP v5.1.2600
Interface: cable</td></tr>
</table>

Test Case SPT-09 Cellebrite Version 1.1.8.6	
Log Highlights:	Created by Cellebrite Acquisition started: Mon Jan 30 09:39:56 EST 2012 Acquisition finished: Mon Jan 30 10:00:28 EST 2012 Partial audio MMS messages were acquired Partial image MMS messages were acquired Partial video MMS messages were acquired **Notes**: The textual portion of MMS messages were not acquired.
Results:	

Assertion & Expected Result	Actual Result
SPT-CA-21 Acquisition of audio MMS messages.	Not as expected
SPT-CA-22 Acquisition of graphic data image MMS messages.	Not as expected
SPT-CA-23 Acquisition of video MMS messages.	Not as expected

Analysis:	Expected results partially achieved

5.2.48 SPT-10 (BlackBerry Torch)

Test Case SPT-10 Cellebrite Version 1.1.8.6	
Case Summary:	SPT-10 Acquire mobile device internal memory and review reported stand-alone multimedia data (i.e., audio, graphics, video).
Assertions:	SPT-CA-24 If a cellular forensic tool completes acquisition of the target device without error, then stand-alone audio files shall be presented in a useable format via either an internal application or suggested third-party application. SPT-CA-25 If a cellular forensic tool completes acquisition of the target device without error, then stand-alone graphic files shall be presented in a useable format via either an internal application or suggested third-party application. SPT-CA-26 If a cellular forensic tool completes acquisition of the target device without error, then stand-alone video files shall be presented in a useable format via either an internal application or suggested third-party application.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Mon Jan 30 10:24:33 EST 2012
Device:	BlackBerry_Torch
Source Setup:	OS: WIN XP v5.1.2600 Interface: cable
Log Highlights:	Created by Cellebrite Acquisition started: Mon Jan 30 10:24:33 EST 2012 Acquisition finished: Mon Jan 30 10:30:43 EST 2012 ALL stand-alone data files (Audio, Image, Video) were acquired
Results:	

Assertion & Expected Result	Actual Result
SPT-CA-24 Acquisition of stand-alone audio files.	as expected
SPT-CA-25 Acquisition of stand-alone graphic files.	as expected
SPT-CA-26 Acquisition of stand-alone video files.	as expected

Analysis:	Expected results achieved

5.2.49 SPT-12 (BlackBerry Torch)

Test Case SPT-12 Cellebrite Version 1.1.8.6	
Case Summary:	SPT-12 Acquire mobile device internal memory and review Internet related data (i.e., bookmarks, visited sites.
Assertions:	SPT-CA-28 If a cellular forensic tool completes acquisition of the target device without error, then Internet related data (i.e., bookmarks, visited sites) cached to the device shall be acquired and presented in a useable format.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Mon Jan 30 12:41:10 EST 2012
Device:	BlackBerry_Torch
Source Setup:	OS: WIN XP v5.1.2600 Interface: cable
Log Highlights:	Created by Cellebrite Acquisition started: Mon Jan 30 12:41:10 EST 2012 Acquisition finished: Mon Jan 30 12:42:34 EST 2012 All Internet related data was acquired
Results:	

Assertion & Expected Result	**Actual Result**
SPT-CA-28 Acquisition of Internet related data.	as expected

Analysis:	Expected results achieved

5.2.50 SPT-13 (BlackBerry Torch)

Test Case SPT-13 Cellebrite Version 1.1.8.6	
Case Summary:	SPT-13 Acquire mobile device internal memory by selecting a combination of supported data elements.
Assertions:	SPT-CA-29 If a cellular forensic tool provides the user with an “Acquire All” device data objects acquisition option, then the tool shall complete the acquisition of all data objects without error. SPT-CA-30 If a cellular forensic tool provides the user with an “Select All” individual device data objects, then the tool shall complete the acquisition of all individually selected data objects without error. SPT-CA-31 If a cellular forensic tool provides the user with the ability to “Select Individual” device data objects for acquisition, then the tool shall acquire each exclusive data object without error.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Mon Jan 30 12:42:59 EST 2012
Device:	BlackBerry_Torch
Source Setup:	OS: WIN XP v5.1.2600 Interface: cable
Log Highlights:	Created by Cellebrite Acquisition started: Mon Jan 30 12:42:59 EST 2012 Acquisition finished: Mon Jan 30 12:50:42 EST 2012 Acquire All acquisition was successful Select All acquisition was successful Individual data element acquisition was successful
Results:	

Assertion & Expected Result	**Actual Result**
SPT-CA-29 Acquire-All data objects acquisition.	as expected
SPT-CA-30 Select-All data objects acquisition.	as expected
SPT-CA-31 Select-Individual data objects acquisition.	as expected

Test Case SPT-13 Cellebrite Version 1.1.8.6	
Analysis:	Expected results achieved

5.2.51 SPT-14 (BlackBerry Torch)

Test Case SPT-14 Cellebrite Version 1.1.8.6	
Case Summary:	SPT-14 Acquire SIM memory over supported interfaces (e.g., PC/SC reader).
Assertions:	SPT-AO-01 If a cellular forensic tool provides support for connectivity of the target SIM, then the tool shall successfully recognize the target SIM via all tool-supported interfaces (e.g., PC/SC reader, proprietary reader, smart phone itself).
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Mon Jan 30 12:52:52 EST 2012
Device:	BlackBerry_Torch
Source Setup:	OS: WIN XP v5.1.2600 Interface: SIM_Reader
Log Highlights:	Created by Cellebrite Acquisition started: Mon Jan 30 12:52:52 EST 2012 Acquisition finished: Mon Jan 30 12:55:59 EST 2012 Media connectivity was established via supported interface
Results:	**Assertion & Expected Result** / **Actual Result** SPT-AO-01 SIM connectivity via supported interfaces. / as expected
Analysis:	Expected results achieved

5.2.52 SPT-15 (BlackBerry Torch)

Test Case SPT-15 Cellebrite Version 1.1.8.6	
Case Summary:	SPT-15 Attempt acquisition of a nonsupported SIM.
Assertions:	SPT-AO-02 If a cellular forensic tool attempts to connect to a nonsupported SIM, then the tool shall notify the user that the SIM is not supported.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Mon Jan 30 12:56:38 EST 2012
Device:	BlackBerry_Torch
Source Setup:	OS: WIN XP v5.1.2600 Interface: SIM_Reader
Log Highlights:	Created by Cellebrite Acquisition started: Mon Jan 30 12:56:38 EST 2012 Acquisition finished: Mon Jan 30 12:59:59 EST 2012 Identification of nonsupported media was successful
Results:	**Assertion & Expected Result** / **Actual Result** SPT-AO-02 Identification of nonsupported SIM. / as expected
Analysis:	Expected results achieved

5.2.53 SPT-16 (BlackBerry Torch)

Test Case SPT-16 Cellebrite Version 1.1.8.6	
Case Summary:	SPT-16 Begin SIM acquisition and interrupt connectivity by interface disengagement.
Assertions:	SPT-AO-03 If a cellular forensic tool loses connectivity with the SIM reader, then the tool shall notify the user that connectivity has been disrupted.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Mon Jan 30 13:01:34 EST 2012
Device:	BlackBerry_Torch
Source Setup:	OS: WIN XP v5.1.2600 Interface: SIM_Reader
Log Highlights:	Created by Cellebrite Acquisition started: Mon Jan 30 13:01:34 EST 2012 Acquisition finished: Mon Jan 30 13:02:55 EST 2012 Media acquisition disruption notification was successful
Results:	

Assertion & Expected Result	**Actual Result**
SPT-AO-03 Notification of SIM acquisition disruption.	as expected

Analysis:	Expected results achieved

5.2.54 SPT-17 (BlackBerry Torch)

Test Case SPT-17 Cellebrite Version 1.1.8.6	
Case Summary:	SPT-17 Acquire SIM memory and review reported subscriber and equipment-related information (i.e., SPN, ICCID, IMSI, MSISDN).
Assertions:	SPT-AO-04 If a cellular forensic tool completes acquisition of the target SIM without error, then the SPN shall be presented in a useable format. SPT-AO-05 If a cellular forensic tool completes acquisition of the target SIM without error, then the ICCID shall be presented in a useable format. SPT-AO-06 If a cellular forensic tool completes acquisition of the target SIM without error, then the IMSI shall be presented in a useable format. SPT-AO-07 If a cellular forensic tool completes acquisition of the target SIM without error, then the MSISDN shall be presented in a useable format.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Mon Jan 30 13:03:44 EST 2012
Device:	BlackBerry_Torch
Source Setup:	OS: WIN XP v5.1.2600 Interface: SIM_Reader
Log Highlights:	Created by Cellebrite Acquisition started: Mon Jan 30 13:03:44 EST 2012 Acquisition finished: Mon Jan 30 13:09:30 EST 2012 All subscriber-related data (i.e., SPN, ICCID, IMSI, MSISDN) was acquired
Results:	

Assertion & Expected Result	**Actual Result**
SPT-AO-04 Acquisition of SPN.	as expected
SPT-AO-05 Acquisition of ICCID.	as expected
SPT-AO-06 Acquisition of IMSI.	as expected
SPT-AO-07 Acquisition of MSISDN.	as expected

Analysis:	Expected results achieved

5.2.55 SPT-18 (BlackBerry Torch)

Test Case SPT-18 Cellebrite Version 1.1.8.6	
Case Summary:	SPT-18 Acquire SIM memory and review reported Abbreviated Dialing Numbers (ADN).
Assertions:	SPT-AO-08 If a cellular forensic tool completes acquisition of the target SIM without error, then ASCII Abbreviated Dialing Numbers (ADN) shall be presented in a useable format. SPT-AO-09 If a cellular forensic tool completes acquisition of the target SIM without error, then maximum length ADN shall be presented in a useable format. SPT-AO-10 If a cellular forensic tool completes acquisition of the SIM without error, then ADN containing special characters shall be presented in a useable format. SPT-AO-11 If a cellular forensic tool completes acquisition of the SIM without error, then ADN containing blank names shall be presented in a useable format.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Mon Jan 30 13:10:00 EST 2012
Device:	BlackBerry_Torch
Source Setup:	OS: WIN XP v5.1.2600 Interface: SIM_Reader
Log Highlights:	Created by Cellebrite Acquisition started: Mon Jan 30 13:10:00 EST 2012 Acquisition finished: Mon Jan 30 13:12:32 EST 2012 All ADN were acquired
Results:	

Assertion & Expected Result	**Actual Result**
SPT-AO-08 Acquisition of ADN.	as expected
SPT-AO-09 Acquisition of maximum length ADN.	as expected
SPT-AO-10 Acquisition of special character ADN.	as expected
SPT-AO-11 Acquisition of blank name ADN.	as expected

Analysis:	Expected results achieved

5.2.56 SPT-19 (BlackBerry Torch)

Test Case SPT-19 Cellebrite Version 1.1.8.6	
Case Summary:	SPT-19 Acquire SIM memory and review reported Last Numbers Dialed (LND).
Assertions:	SPT-AO-12 If a cellular forensic tool completes acquisition of the target SIM without error, then Last Numbers Dialed (LND) shall be presented in a useable format. SPT-AO-13 If a cellular forensic tool completes acquisition of the target SIM without error, then the corresponding date/time stamps for LNDs shall be presented in a useable format.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Mon Jan 30 13:12:54 EST 2012
Device:	BlackBerry_Torch
Source Setup:	OS: WIN XP v5.1.2600 Interface: SIM_Reader
Log Highlights:	Created by Cellebrite Acquisition started: Mon Jan 30 13:12:54 EST 2012 Acquisition finished: Mon Jan 30 13:14:45 EST 2012 LNDs were acquired Date/Time Stamps correctly reported for LNDs
Results:	

Test Case SPT-19 Cellebrite Version 1.1.8.6	
	Assertion & Expected Result / **Actual Result** SPT-AO-12 Acquisition of LNDs. — as expected SPT-AO-13 Acquisition of LND date/time stamps. — as expected
Analysis:	Expected results achieved

5.2.57 SPT-20 (BlackBerry Torch)

Test Case SPT-20 Cellebrite Version 1.1.8.6	
Case Summary:	SPT-20 Acquire SIM memory and review reported text messages (SMS, EMS).
Assertions:	SPT-AO-14 If a cellular forensic tool completes acquisition of the target SIM without error, then ASCII SMS text messages shall be presented in a useable format. SPT-AO-15 If a cellular forensic tool completes acquisition of the target SIM without error, then ASCII EMS text messages shall be presented in a useable format. SPT-AO-16 If a cellular forensic tool completes acquisition of the target SIM without error, then the corresponding date/time stamps for all text messages shall be presented in a useable format. SPT-AO-17 If a cellular forensic tool completes acquisition of the target SIM without error, then the corresponding status (i.e., read, unread) for text messages shall be presented in a useable format. SPT-AO-18 If a cellular forensic tool completes acquisition of the target SIM without error, then the corresponding sender / recipient phone numbers for text messages shall be presented in a useable format.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Mon Jan 30 13:15:14 EST 2012
Device:	BlackBerry_Torch
Source Setup:	OS: WIN XP v5.1.2600 Interface: SIM_Reader
Log Highlights:	Created by Cellebrite Acquisition started: Mon Jan 30 13:15:14 EST 2012 Acquisition finished: Mon Jan 30 13:33:49 EST 2012 ALL text messages (SMS, EMS) were acquired All date/time stamps were reported for text messages Correct status flags were reported for text messages Sender and Recipient phone numbers associated with text messages were correctly reported
Results:	**Assertion & Expected Result** / **Actual Result** SPT-AO-14 Acquisition of SMS messages. — as expected SPT-AO-15 Acquisition of EMS messages. — as expected SPT-AO-16 Acquisition of text message date/time stamps. — as expected SPT-AO-17 Acquisition of text message status flags. — as expected SPT-AO-18 Acquisition of sender/recipient phone number associated with text messages. — as expected
Analysis:	Expected results achieved

5.2.58 SPT-21 (BlackBerry Torch)

Test Case SPT-21 Cellebrite Version 1.1.8.6	
Case Summary:	SPT-21 Acquire SIM memory and review recoverable deleted text messages (SMS, EMS).
Assertions:	SPT-AO-19 If the cellular forensic tool completes acquisition of the target SIM without error, then deleted text messages that have not been

Test Case SPT-21 Cellebrite Version 1.1.8.6	
	overwritten shall be presented in a useable format.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Mon Jan 30 13:34:27 EST 2012
Device:	BlackBerry_Torch
Source Setup:	OS: WIN XP v5.1.2600 Interface: SIM_Reader
Log Highlights:	Created by Cellebrite Acquisition started: Mon Jan 30 13:34:27 EST 2012 Acquisition finished: Mon Jan 30 13:36:51 EST 2012 Deleted text message data was recovered
Results:	

Assertion & Expected Result	Actual Result
SPT-AO-19 Acquisition of non-overwritten deleted text messages.	as expected

Analysis:	Expected results achieved

5.2.59 SPT-22 (BlackBerry Torch)

Test Case SPT-22 Cellebrite Version 1.1.8.6	
Case Summary:	SPT-22 Acquire SIM memory and review reported location-related data (i.e., LOCI, GPRSLOCI).
Assertions:	SPT-AO-20 If a cellular forensic tool completes acquisition of the target SIM without error, then location-related data (i.e., LOCI) shall be presented in a useable format. SPT-AO-21 If a cellular forensic tool completes acquisition of the target SIM without error, then location-related data (i.e., GRPSLOCI) shall be presented in a useable format.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Mon Jan 30 13:37:18 EST 2012
Device:	BlackBerry_Torch
Source Setup:	OS: WIN XP v5.1.2600 Interface: SIM_Reader
Log Highlights:	Created by Cellebrite Acquisition started: Mon Jan 30 13:37:18 EST 2012 Acquisition finished: Mon Jan 30 13:39:38 EST 2012 LOCI data was acquired GPRSLOCI data was acquired
Results:	

Assertion & Expected Result	Actual Result
SPT-AO-20 Acquisition of LOCI information.	as expected
SPT-AO-21 Acquisition of GPRSLOCI information.	as expected

Analysis:	Expected results achieved

5.2.60 SPT-23 (BlackBerry Torch)

Test Case SPT-23 Cellebrite Version 1.1.8.6	
Case Summary:	SPT-23 Acquire SIM memory by selecting a combination of supported data elements.
Assertions:	SPT-AO-01 If a cellular forensic tool provides support for connectivity of

<table>
<tr><th colspan="2">Test Case SPT-23 Cellebrite Version 1.1.8.6</th></tr>
<tr><td></td><td>the target SIM, then the tool shall successfully recognize the target SIM via all tool-supported interfaces (e.g., PC/SC reader, proprietary reader, smart phone itself).
SPT-AO-22 If a cellular forensic tool provides the user with an “Acquire All” SIM data objects acquisition option, then the tool shall complete the acquisition of all data objects without error.
SPT-AO-23 If a cellular forensic tool provides the user with an “Select All” individual SIM data objects, then the tool shall complete the acquisition of all individually selected data objects without error.
SPT-AO-24 If a cellular forensic tool provides the user with the ability to “Select Individual” SIM data objects for acquisition, then the tool shall acquire each exclusive data object without error.</td></tr>
<tr><td>Tester Name:</td><td>rpa</td></tr>
<tr><td>Test Host:</td><td>Morrisy</td></tr>
<tr><td>Test Date:</td><td>Mon Jan 30 13:40:07 EST 2012</td></tr>
<tr><td>Device:</td><td>BlackBerry_Torch</td></tr>
<tr><td>Source Setup:</td><td>OS: WIN XP v5.1.2600
Interface: SIM_Reader</td></tr>
<tr><td>Log Highlights:</td><td>Created by Cellebrite
Acquisition started: Mon Jan 30 13:40:07 EST 2012
Acquisition finished: Mon Jan 30 13:41:52 EST 2012

Acquire All acquisition was successful</td></tr>
<tr><td>Results:</td><td>
<table>
<tr><th>Assertion & Expected Result</th><th>Actual Result</th></tr>
<tr><td>SPT-AO-01 SIM connectivity via supported interfaces.</td><td>as expected</td></tr>
<tr><td>SPT-AO-22 Acquire-All data objects acquisition.</td><td>as expected</td></tr>
<tr><td>SPT-AO-23 Select-All data objects acquisition.</td><td>as expected</td></tr>
<tr><td>SPT-AO-24 Select-Individual data objects acquisition.</td><td>as expected</td></tr>
</table>
</td></tr>
<tr><td>Analysis:</td><td>Expected results achieved</td></tr>
</table>

5.2.61 SPT-24 (BlackBerry Torch)

<table>
<tr><th colspan="2">Test Case SPT-24 Cellebrite Version 1.1.8.6</th></tr>
<tr><td>Case Summary:</td><td>SPT-24 Acquire mobile device internal memory and review reported data via supported/generated report formats.</td></tr>
<tr><td>Assertions:</td><td>SPT-AO-25 If a cellular forensic tool completes acquisition of the target device without error, then the tool shall present the acquired data in a useable format via supported/generated report formats.</td></tr>
<tr><td>Tester Name:</td><td>rpa</td></tr>
<tr><td>Test Host:</td><td>Morrisy</td></tr>
<tr><td>Test Date:</td><td>Mon Jan 30 13:42:29 EST 2012</td></tr>
<tr><td>Device:</td><td>BlackBerry_Torch</td></tr>
<tr><td>Source Setup:</td><td>OS: WIN XP v5.1.2600
Interface: cable</td></tr>
<tr><td>Log Highlights:</td><td>Created by Cellebrite
Acquisition started: Mon Jan 30 13:42:29 EST 2012
Acquisition finished: Mon Jan 30 13:44:24 EST 2012

Complete representation of known data via generated reports was successful</td></tr>
<tr><td>Results:</td><td>
<table>
<tr><th>Assertion & Expected Result</th><th>Actual Result</th></tr>
<tr><td>SPT-AO-25 Comparison of known device data elements via generated reports.</td><td>as expected</td></tr>
</table>
</td></tr>
</table>

Test Case SPT-24 Cellebrite Version 1.1.8.6	
Analysis:	Expected results achieved

5.2.62 SPT-25 (BlackBerry Torch)

Test Case SPT-25 Cellebrite Version 1.1.8.6	
Case Summary:	SPT-25 Acquire mobile device internal memory and review reported data via the preview pane.
Assertions:	SPT-AO-26 If a cellular forensic tool completes acquisition of the target device without error, then the tool shall present the acquired data in a useable format in a preview pane view.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Mon Jan 30 13:44:59 EST 2012
Device:	BlackBerry_Torch
Source Setup:	OS: WIN XP v5.1.2600 Interface: cable
Log Highlights:	Created by Cellebrite Acquisition started: Mon Jan 30 13:44:59 EST 2012 Acquisition finished: Mon Jan 30 13:48:19 EST 2012 Complete representation of known data via preview pane was successful
Results:	**Assertion & Expected Result** / **Actual Result** SPT-AO-26 Comparison of known device data elements via preview pane. / as expected
Analysis:	Expected results achieved

5.2.63 SPT-26 (BlackBerry Torch)

Test Case SPT-26 Cellebrite Version 1.1.8.6	
Case Summary:	SPT-26 Acquire SIM memory and review reported data via supported/generated report formats.
Assertions:	SPT-AO-25 If a cellular forensic tool completes acquisition of the SIM without error, then the tool shall present the acquired data in a useable format via supported/generated report formats.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Mon Jan 30 13:48:47 EST 2012
Device:	BlackBerry_Torch
Source Setup:	OS: WIN XP v5.1.2600 Interface: SIM_Reader
Log Highlights:	Created by Cellebrite Acquisition started: Mon Jan 30 13:48:47 EST 2012 Acquisition finished: Mon Jan 30 13:50:21 EST 2012 Complete representation of known data via generated reports was successful
Results:	**Assertion & Expected Result** / **Actual Result** SPT-AO-25 Comparison of known device data elements via generated reports. / as expected
Analysis:	Expected results achieved

5.2.64 SPT-27 (BlackBerry Torch)

Test Case SPT-27 Cellebrite Version 1.1.8.6	
Case Summary:	SPT-27 Acquire SIM memory and review reported data via the preview pane.
Assertions:	SPT-AO-26 If a cellular forensic tool completes acquisition of the SIM without error, then the tool shall present the acquired data in a useable format in a preview pane view.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Mon Jan 30 13:50:45 EST 2012
Device:	BlackBerry_Torch
Source Setup:	OS: WIN XP v5.1.2600 Interface: SIM_Reader
Log Highlights:	Created by Cellebrite Acquisition started: Mon Jan 30 13:50:45 EST 2012 Acquisition finished: Mon Jan 30 13:52:48 EST 2012 Complete representation of known data via preview pane was successful
Results:	

Assertion & Expected Result	**Actual Result**
SPT-AO-26 Comparison of known device data elements via preview pane.	as expected

Analysis:	Expected results achieved

5.2.65 SPT-28 (BlackBerry Torch)

Test Case SPT-28 Cellebrite Version 1.1.8.6	
Case Summary:	SPT-28 Attempt acquisition of a password-protected SIM.
Assertions:	SPT-AO-28 If the SIM is password-protected, then the cellular forensic tool shall provide the examiner with the opportunity to input the PIN before acquisition.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Mon Jan 30 13:53:17 EST 2012
Device:	BlackBerry_Torch
Source Setup:	OS: WIN XP v5.1.2600 Interface: SIM_Reader
Log Highlights:	Created by Cellebrite Acquisition started: Mon Jan 30 13:53:17 EST 2012 Acquisition finished: Mon Jan 30 13:55:08 EST 2012 Ability to enter PIN on protected media before acquisition was successful
Results:	

Assertion & Expected Result	**Actual Result**
SPT-AO-28 Acquisition of password protected SIM.	as expected

Analysis:	Expected results achieved

5.2.66 SPT-29 (BlackBerry Torch)

Test Case SPT-29 Cellebrite Version 1.1.8.6	
Case Summary:	SPT-29 After a successful mobile device internal memory, alter the case file via third-party means and attempt to reopen the case.
Assertions:	SPT-AO-27 If the case file or individual data objects are modified via third-party means, then the tool shall provide protection mechanisms disallowing or reporting data modification.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Mon Jan 30 13:55:46 EST 2012
Device:	BlackBerry_Torch
Source Setup:	OS: WIN XP v5.1.2600 Interface: cable
Log Highlights:	Created by Cellebrite Acquisition started: Mon Jan 30 13:55:46 EST 2012 Acquisition finished: Mon Jan 30 13:58:02 EST 2012 Notification of modified device memory data was successful
Results:	**Assertion & Expected Result** / **Actual Result** SPT-AO-27 Notification of modified device case data. / as expected
Analysis:	Expected results achieved

5.2.67 SPT-30 (BlackBerry Torch)

Test Case SPT-30 Cellebrite Version 1.1.8.6	
Case Summary:	SPT-30 After a successful SIM acquisition, alter the case file via third-party means and attempt to reopen the case.
Assertions:	SPT-AO-27 If the case file or individual data objects are modified via third-party means, then the tool shall provide protection mechanisms disallowing or reporting data modification.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Mon Jan 30 13:58:37 EST 2012
Device:	BlackBerry_Torch
Source Setup:	OS: WIN XP v5.1.2600 Interface: SIM_Reader
Log Highlights:	Created by Cellebrite Acquisition started: Mon Jan 30 13:58:37 EST 2012 Acquisition finished: Mon Jan 30 14:00:19 EST 2012 Notification of modified SIM data was successful
Results:	**Assertion & Expected Result** / **Actual Result** SPT-AO-27 Notification of modified device case data. / as expected
Analysis:	Expected results achieved

5.2.68 SPT-33 (BlackBerry Torch)

Test Case SPT-33 Cellebrite Version 1.1.8.6	
Case Summary:	SPT-33 Acquire mobile device internal memory and review data containing non-ASCII characters.
Assertions:	SPT-AO-40 If the cellular forensic tool supports display of non-ASCII characters, then the application should present address book entries in

<table>
<tr><th colspan="2">Test Case SPT-33 Cellebrite Version 1.1.8.6</th></tr>
<tr><td></td><td>their native format.
SPT-AO-41 If the cellular forensic tool supports proper display of non-ASCII characters, then the application should present text messages in their native format.</td></tr>
<tr><td>Tester Name:</td><td>rpa</td></tr>
<tr><td>Test Host:</td><td>Morrisy</td></tr>
<tr><td>Test Date:</td><td>Mon Jan 30 14:01:09 EST 2012</td></tr>
<tr><td>Device:</td><td>BlackBerry_Torch</td></tr>
<tr><td>Source Setup:</td><td>OS: WIN XP v5.1.2600
Interface: cable</td></tr>
<tr><td>Log Highlights:</td><td>Created by Cellebrite
Acquisition started: Mon Jan 30 14:01:09 EST 2012
Acquisition finished: Mon Jan 30 14:03:59 EST 2012

Non-ASCII Address book entries were acquired and properly displayed
Non-ASCII text messages were acquired and properly displayed

<u>Notes</u>:
Non-ASCII characters e.g., 'é' are not displayed properly for Contacts when performing a file system dump.</td></tr>
<tr><td>Results:</td><td><table>
<tr><th>Assertion & Expected Result</th><th>Actual Result</th></tr>
<tr><td>SPT-AO-40 Acquisition of non-ASCII address book entries/ADN.</td><td>Not as expected</td></tr>
<tr><td>SPT-AO-41 Acquisition of non-ASCII text messages.</td><td>as expected</td></tr>
</table></td></tr>
<tr><td>Analysis:</td><td>Expected results partially achieved</td></tr>
</table>

5.2.69 SPT-34 (BlackBerry Torch)

<table>
<tr><th colspan="2">Test Case SPT-34 Cellebrite Version 1.1.8.6</th></tr>
<tr><td>Case Summary:</td><td>SPT-34 Acquire SIM memory and review data containing non-ASCII characters.</td></tr>
<tr><td>Assertions:</td><td>SPT-AO-40 If the cellular forensic tool supports display of non-ASCII characters, then the application should present ADN in their native format.
SPT-AO-41 If the cellular forensic tool supports proper display of non-ASCII characters, then the application should present text messages in their native format.</td></tr>
<tr><td>Tester Name:</td><td>rpa</td></tr>
<tr><td>Test Host:</td><td>Morrisy</td></tr>
<tr><td>Test Date:</td><td>Mon Jan 30 14:26:07 EST 2012</td></tr>
<tr><td>Device:</td><td>BlackBerry_Torch</td></tr>
<tr><td>Source Setup:</td><td>OS: WIN XP v5.1.2600
Interface: SIM_Reader</td></tr>
<tr><td>Log Highlights:</td><td>Created by Cellebrite
Acquisition started: Mon Jan 30 14:26:07 EST 2012
Acquisition finished: Mon Jan 30 14:33:29 EST 2012

Non-ASCII ADN were acquired and properly displayed
Non-ASCII text messages were acquired and properly displayed</td></tr>
<tr><td>Results:</td><td><table>
<tr><th>Assertion & Expected Result</th><th>Actual Result</th></tr>
<tr><td>SPT-AO-40 Acquisition of non-ASCII address book entries/ADN.</td><td>as expected</td></tr>
<tr><td>SPT-AO-41 Acquisition of non-ASCII text messages.</td><td>as expected</td></tr>
</table></td></tr>
<tr><td>Analysis:</td><td>Expected results achieved</td></tr>
</table>

5.2.70 SPT-35 (BlackBerry Torch)

Test Case SPT-35 Cellebrite Version 1.1.8.6	
Case Summary:	SPT-35 Begin acquisition on a PIN-protected SIM to determine if the tool provides an accurate count of the remaining number of PIN attempts and if the PIN attempts are decremented when entering an incorrect value.
Assertions:	SPT-AO-29 If a cellular forensic tool provides the examiner with the remaining number of authentication attempts, then the application should provide an accurate count of the remaining PIN attempts.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Mon Jan 30 14:34:18 EST 2012
Device:	BlackBerry_Torch
Source Setup:	OS: WIN XP v5.1.2600 Interface: SIM_Reader
Log Highlights:	Created by Cellebrite Acquisition started: Mon Jan 30 14:34:18 EST 2012 Acquisition finished: Mon Jan 30 14:35:37 EST 2012 The remaining number of PIN attempts were properly displayed
Results:	**Assertion & Expected Result** / **Actual Result** SPT-AO-29 Display remaining number of PIN attempts. / as expected
Analysis:	Expected results achieved

5.2.71 SPT-36 (BlackBerry Torch)

Test Case SPT-36 Cellebrite Version 1.1.8.6	
Case Summary:	SPT-36 Begin acquisition on a SIM whose PIN attempts have been exhausted to determine if the tool provides an accurate count of the remaining number of PUK attempts and if the PUK attempts are decremented when entering an incorrect value.
Assertions:	SPT-AO-30 If a cellular forensic tool provides the examiner with the remaining number of PUK attempts, then the application should provide an accurate count of the remaining PUK attempts.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Mon Jan 30 14:36:09 EST 2012
Device:	BlackBerry_Torch
Source Setup:	OS: WIN XP v5.1.2600 Interface: SIM_Reader
Log Highlights:	Created by Cellebrite Acquisition started: Mon Jan 30 14:36:09 EST 2012 Acquisition finished: Mon Jan 30 14:38:52 EST 2012 Remaining number of PUK attempts were properly displayed
Results:	**Assertion & Expected Result** / **Actual Result** SPT-AO-30 Display remaining number of PUK attempts. / as expected
Analysis:	Expected results achieved

5.2.72 SPT-38 (BlackBerry Torch)

Test Case SPT-38 Cellebrite Version 1.1.8.6	
Case Summary:	SPT-38 Acquire mobile device internal memory and review hash values for vendor-supported data objects.
Assertions:	SPT-AO-43 If the cellular forensic tool supports hashing for individual data objects, then the tool shall present the user with a hash value for each supported data object.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Mon Jan 30 14:39:24 EST 2012
Device:	BlackBerry_Torch
Source Setup:	OS: WIN XP v5.1.2600 Interface: cable
Log Highlights:	Created by Cellebrite Acquisition started: Mon Jan 30 14:39:24 EST 2012 Acquisition finished: Mon Jan 30 14:40:58 EST 2012 Hash values were properly reported for individually acquired device data elements
Results:	

Assertion & Expected Result	**Actual Result**
SPT-AO-43 Acquire data, check known hash values for consistency.	as expected

Analysis:	Expected results achieved

5.2.73 SPT-39 (BlackBerry Torch)

Test Case SPT-39 Cellebrite Version 1.1.8.6	
Case Summary:	SPT-39 Acquire SIM memory and review hash values for vendor-supported data objects.
Assertions:	SPT-AO-43 If the cellular forensic tool supports hashing for individual data objects, then the tool shall present the user with a hash value for each supported data object.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Mon Jan 30 14:41:20 EST 2012
Device:	BlackBerry_Torch
Source Setup:	OS: WIN XP v5.1.2600 Interface: SIM_Reader
Log Highlights:	Created by Cellebrite Acquisition started: Mon Jan 30 14:41:20 EST 2012 Acquisition finished: Mon Jan 30 14:44:35 EST 2012 Hash values were properly reported for individually acquired SIM data elements
Results:	

Assertion & Expected Result	**Actual Result**
SPT-AO-43 Acquire data, check known hash values for consistency.	as expected

Analysis:	Expected results achieved

5.2.74 SPT-01 (Samsung Focus)

Test Case SPT-01 Cellebrite Version 1.1.8.6	
Case Summary:	SPT-01 Acquire mobile device internal memory over tool-supported interfaces (e.g., cable, Bluetooth, IrDA).
Assertions:	SPT-CA-01 If a cellular forensic tool provides support for connectivity of the target device, then the tool shall successfully recognize the target device via all vendor-supported interfaces (e.g., cable, Bluetooth, IrDA). SPT-CA-04 If a cellular forensic tool completes acquisition of the target device without error, then the tool shall have the ability to present acquired data objects in a useable format via either a preview pane or generated report. SPT-CA-29 If a cellular forensic tool provides the user with an “Acquire All” device data objects acquisition option, then the tool shall complete the acquisition of all data objects without error. SPT-CA-30 If a cellular forensic tool provides the user with a “Select All” individual device data objects, then the tool shall complete the acquisition of all individually selected data objects without error. SPT-CA-31 If a cellular forensic tool provides the user with the ability to “Select Individual” device data objects for acquisition, then the tool shall acquire each exclusive data object without error. SPT-CA-32 If a cellular forensic tool completes two consecutive logical acquisitions of the target device without error, then the payload (data objects) on the mobile device shall remain consistent.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Wed Feb 1 09:42:12 EST 2012
Device:	Samsung_Focus
Source Setup:	OS: WIN XP v5.1.2600 Interface: bluetooth
Log Highlights:	Created by Cellebrite Acquisition started: Wed Feb 1 09:42:12 EST 2012 Acquisition finished: Wed Feb 1 09:46:01 EST 2012 Device connectivity was established via supported interface
Results:	

Assertion & Expected Result	**Actual Result**
SPT-CA-01 Device connectivity via supported interfaces.	as expected
SPT-CA-04 Readability and completeness of acquired data via supported reports.	as expected
SPT-CA-29 Acquire-All data objects acquisition.	as expected
SPT-CA-30 Select-All data objects acquisition.	as expected
SPT-CA-31 Select-Individual data objects acquisition.	as expected
SPT-CA-32 Perform back-to-back acquisitions, check device payload for modifications.	as expected

Analysis:	Expected results achieved

5.2.75 SPT-02 (Samsung Focus)

Test Case SPT-02 Cellebrite Version 1.1.8.6	
Case Summary:	SPT-02 Attempt internal memory acquisition of a nonsupported mobile device.
Assertions:	SPT-CA-02 If a cellular forensic tool attempts to connect to a nonsupported device, then the tool shall notify the user that the device is not supported.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Wed Feb 1 09:46:59 EST 2012
Device:	unsupported_device
Source	OS: WIN XP v5.1.2600

Test Case SPT-02 Cellebrite Version 1.1.8.6	
Setup:	Interface: bluetooth
Log Highlights:	Created by Cellebrite Acquisition started: Wed Feb 1 09:46:59 EST 2012 Acquisition finished: Wed Feb 1 09:49:08 EST 2012 Identification of nonsupported devices was successful
Results:	**Assertion & Expected Result** / **Actual Result** SPT-CA-02 Identification of nonsupported devices. / as expected
Analysis:	Expected results achieved

5.2.76 SPT-03 (Samsung Focus)

Test Case SPT-03 Cellebrite Version 1.1.8.6	
Case Summary:	SPT-03 Begin mobile device internal memory acquisition and interrupt connectivity by interface disengagement.
Assertions:	SPT-CA-03 If connectivity between the mobile device and cellular forensic tool is disrupted, then the tool shall notify the user that connectivity has been disrupted.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Wed Feb 1 09:49:44 EST 2012
Device:	Samsung_Focus
Source Setup:	OS: WIN XP v5.1.2600 Interface: bluetooth
Log Highlights:	Created by Cellebrite Acquisition started: Wed Feb 1 09:49:44 EST 2012 Acquisition finished: Wed Feb 1 09:54:12 EST 2012 Device acquisition disruption notification was successful
Results:	**Assertion & Expected Result** / **Actual Result** SPT-CA-03 Notification of device acquisition disruption. / as expected
Analysis:	Expected results achieved

5.2.77 SPT-04 (Samsung Focus)

Test Case SPT-04 Cellebrite Version 1.1.8.6	
Case Summary:	SPT-04 Acquire mobile device internal memory and review reported data via the preview pane or generated reports for readability.
Assertions:	SPT-CA-04 If a cellular forensic tool completes acquisition of the target device without error, then the tool shall have the ability to present acquired data objects in a useable format via either a preview pane or generated report.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Wed Feb 1 10:08:25 EST 2012
Device:	Samsung_Focus
Source Setup:	OS: WIN XP v5.1.2600 Interface: bluetooth
Log Highlights:	Created by Cellebrite Acquisition started: Wed Feb 1 10:08:25 EST 2012

Test Case SPT-04 Cellebrite Version 1.1.8.6	
	Acquisition finished: Wed Feb 1 10:12:11 EST 2012 Readability and completeness of acquired data was successful
Results:	<table><tr><th>Assertion & Expected Result</th><th>Actual Result</th></tr><tr><td>SPT-CA-04 Readability and completeness of acquired data via supported reports.</td><td>as expected</td></tr></table>
Analysis:	Expected results achieved

5.2.78 SPT-06 (Samsung Focus)

Test Case SPT-06 Cellebrite Version 1.1.8.6	
Case Summary:	SPT-06 Acquire mobile device internal memory and review reported PIM related data.
Assertions:	SPT-CA-07 If a cellular forensic tool completes acquisition of the target device without error, then address book entries shall be presented in a useable format. SPT-CA-08 If a cellular forensic tool completes acquisition of the target device without error, then maximum length address book entries shall be presented in a useable format. SPT-CA-09 If a cellular forensic tool completes acquisition of the target device without error, then address book entries containing special characters shall be presented in a useable format. SPT-CA-10 If a cellular forensic tool completes acquisition of the target device without error, then address book entries containing blank names shall be presented in a useable format. SPT-CA-11 If a cellular forensic tool completes acquisition of the target device without error, then email addresses associated with address book entries shall be presented in a useable format. SPT-CA-12 If a cellular forensic tool completes acquisition of the target device without error, then graphics associated with address book entries shall be presented in a useable format. SPT-CA-13 If a cellular forensic tool completes acquisition of the target device without error, then datebook, calendar, note entries shall be presented in a useable format. SPT-CA-14 If a cellular forensic tool completes acquisition of the target device without error, then maximum length datebook, calendar, note entries shall be presented in a useable format.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Wed Feb 1 10:13:38 EST 2012
Device:	Samsung_Focus
Source Setup:	OS: WIN XP v5.1.2600 Interface: bluetooth
Log Highlights:	Created by Cellebrite Acquisition started: Wed Feb 1 10:13:38 EST 2012 Acquisition finished: Wed Feb 1 10:14:33 EST 2012 All address book entries were successfully acquired **Notes**: When Contacts/Address book entries containing a first, middle and last name are acquired the first name is appended with a semi-colon.
Results:	<table><tr><th>Assertion & Expected Result</th><th>Actual Result</th></tr><tr><td>SPT-CA-07 Acquisition of address book entries.</td><td>Not as expected</td></tr><tr><td>SPT-CA-08 Acquisition of maximum length address book entries.</td><td>as expected</td></tr></table>

Test Case SPT-06 Cellebrite Version 1.1.8.6	
	SPT-CA-09 Acquisition of address book entries containing special characters. — as expected SPT-CA-10 Acquisition of address book entries containing a blank name entry. — as expected SPT-CA-11 Acquisition of embedded email addresses within address book entries. — as expected SPT-CA-12 Acquisition of embedded graphics within address book entries. — as expected SPT-CA-13 Acquisition of PIM data (i.e., datebook/calendar, notes). — as expected SPT-CA-14 Acquisition of maximum length PIM data. — as expected
Analysis:	Expected results partially achieved

5.2.79 SPT-13 (Samsung Focus)

Test Case SPT-13 Cellebrite Version 1.1.8.6	
Case Summary:	SPT-13 Acquire mobile device internal memory by selecting a combination of supported data elements.
Assertions:	SPT-CA-29 If a cellular forensic tool provides the user with an “Acquire All” device data objects acquisition option, then the tool shall complete the acquisition of all data objects without error. SPT-CA-30 If a cellular forensic tool provides the user with an “Select All” individual device data objects, then the tool shall complete the acquisition of all individually selected data objects without error. SPT-CA-31 If a cellular forensic tool provides the user with the ability to “Select Individual” device data objects for acquisition, then the tool shall acquire each exclusive data object without error.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Wed Feb 1 10:19:31 EST 2012
Device:	Samsung_Focus
Source Setup:	OS: WIN XP v5.1.2600 Interface: bluetooth
Log Highlights:	Created by Cellebrite Acquisition started: Wed Feb 1 10:19:31 EST 2012 Acquisition finished: Wed Feb 1 10:31:46 EST 2012 Individual data element acquisition was successful
Results:	**Assertion & Expected Result** — **Actual Result** SPT-CA-29 Acquire-All data objects acquisition. — as expected SPT-CA-30 Select-All data objects acquisition. — as expected SPT-CA-31 Select-Individual data objects acquisition. — as expected
Analysis:	Expected results achieved

5.2.80 SPT-14 (Samsung Focus)

Test Case SPT-14 Cellebrite Version 1.1.8.6	
Case Summary:	SPT-14 Acquire SIM memory over supported interfaces (e.g., PC/SC reader).
Assertions:	SPT-AO-01 If a cellular forensic tool provides support for connectivity of the target SIM, then the tool shall successfully recognize the target SIM via all tool-supported interfaces (e.g., PC/SC reader, proprietary reader, smart phone itself).
Tester Name:	rpa

Test Case SPT-14 Cellebrite Version 1.1.8.6	
Test Host:	Morrisy
Test Date:	Wed Feb 1 10:33:31 EST 2012
Device:	Samsung_Focus
Source Setup:	OS: WIN XP v5.1.2600 Interface: SIM_Reader
Log Highlights:	Created by Cellebrite Acquisition started: Wed Feb 1 10:33:31 EST 2012 Acquisition finished: Wed Feb 1 10:34:38 EST 2012 Media connectivity was established via supported interface
Results:	**Assertion & Expected Result** / **Actual Result** SPT-AO-01 SIM connectivity via supported interfaces. / as expected
Analysis:	Expected results achieved

5.2.81 SPT-15 (Samsung Focus)

Test Case SPT-15 Cellebrite Version 1.1.8.6	
Case Summary:	SPT-15 Attempt acquisition of a nonsupported SIM.
Assertions:	SPT-AO-02 If a cellular forensic tool attempts to connect to a nonsupported SIM, then the tool shall notify the user that the SIM is not supported.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Wed Feb 1 10:36:06 EST 2012
Device:	Samsung_Focus
Source Setup:	OS: WIN XP v5.1.2600 Interface: SIM_Reader
Log Highlights:	Created by Cellebrite Acquisition started: Wed Feb 1 10:36:06 EST 2012 Acquisition finished: Wed Feb 1 10:37:09 EST 2012 Identification of nonsupported media was successful
Results:	**Assertion & Expected Result** / **Actual Result** SPT-AO-02 Identification of nonsupported SIM. / as expected
Analysis:	Expected results achieved

5.2.82 SPT-16 (Samsung Focus)

Test Case SPT-16 Cellebrite Version 1.1.8.6	
Case Summary:	SPT-16 Begin SIM acquisition and interrupt connectivity by interface disengagement.
Assertions:	SPT-AO-03 If a cellular forensic tool loses connectivity with the SIM reader, then the tool shall notify the user that connectivity has been disrupted.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Wed Feb 1 10:38:03 EST 2012
Device:	Samsung_Focus
Source Setup:	OS: WIN XP v5.1.2600 Interface: SIM_Reader
Log	Created by Cellebrite

Test Case SPT-16 Cellebrite Version 1.1.8.6	
Highlights:	Acquisition started: Wed Feb 1 10:38:03 EST 2012 Acquisition finished: Wed Feb 1 10:42:21 EST 2012 Media acquisition disruption notification was successful
Results:	**Assertion & Expected Result** / **Actual Result** SPT-AO-03 Notification of SIM acquisition disruption. / as expected
Analysis:	Expected results achieved

5.2.83 SPT-17 (Samsung Focus)

Test Case SPT-17 Cellebrite Version 1.1.8.6	
Case Summary:	SPT-17 Acquire SIM memory and review reported subscriber and equipment-related information (i.e., SPN, ICCID, IMSI, MSISDN).
Assertions:	SPT-AO-04 If a cellular forensic tool completes acquisition of the target SIM without error, then the SPN shall be presented in a useable format. SPT-AO-05 If a cellular forensic tool completes acquisition of the target SIM without error, then the ICCID shall be presented in a useable format. SPT-AO-06 If a cellular forensic tool completes acquisition of the target SIM without error, then the IMSI shall be presented in a useable format. SPT-AO-07 If a cellular forensic tool completes acquisition of the target SIM without error, then the MSISDN shall be presented in a useable format.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Wed Feb 1 10:44:11 EST 2012
Device:	Samsung_Focus
Source Setup:	OS: WIN XP v5.1.2600 Interface: SIM_Reader
Log Highlights:	Created by Cellebrite Acquisition started: Wed Feb 1 10:44:11 EST 2012 Acquisition finished: Wed Feb 1 10:46:29 EST 2012 All subscriber-related data (i.e., SPN, ICCID, IMSI, MSISDN) was acquired
Results:	**Assertion & Expected Result** / **Actual Result** SPT-AO-04 Acquisition of SPN. / as expected SPT-AO-05 Acquisition of ICCID. / as expected SPT-AO-06 Acquisition of IMSI. / as expected SPT-AO-07 Acquisition of MSISDN. / as expected
Analysis:	Expected results achieved

5.2.84 SPT-18 (Samsung Focus)

Test Case SPT-18 Cellebrite Version 1.1.8.6	
Case Summary:	SPT-18 Acquire SIM memory and review reported Abbreviated Dialing Numbers (ADN).
Assertions:	SPT-AO-08 If a cellular forensic tool completes acquisition of the target SIM without error, then ASCII Abbreviated Dialing Numbers (ADN) shall be presented in a useable format. SPT-AO-09 If a cellular forensic tool completes acquisition of the target SIM without error, then maximum length ADN shall be presented in a useable format. SPT-AO-10 If a cellular forensic tool completes acquisition of the SIM without error, then ADN containing special characters shall be presented in a useable format. SPT-AO-11 If a cellular forensic tool completes acquisition of the SIM without error, then ADN containing blank names shall be presented in a

<table>
<tr><th colspan="2">Test Case SPT-18 Cellebrite Version 1.1.8.6</th></tr>
<tr><td></td><td>useable format.</td></tr>
<tr><td>Tester Name:</td><td>rpa</td></tr>
<tr><td>Test Host:</td><td>Morrisy</td></tr>
<tr><td>Test Date:</td><td>Wed Feb 1 10:48:49 EST 2012</td></tr>
<tr><td>Device:</td><td>Samsung_Focus</td></tr>
<tr><td>Source Setup:</td><td>OS: WIN XP v5.1.2600
Interface: SIM_Reader</td></tr>
<tr><td>Log Highlights:</td><td>Created by Cellebrite
Acquisition started: Wed Feb 1 10:48:49 EST 2012
Acquisition finished: Wed Feb 1 10:51:00 EST 2012

All ADN were acquired</td></tr>
<tr><td>Results:</td><td>
<table>
<tr><th>Assertion & Expected Result</th><th>Actual Result</th></tr>
<tr><td>SPT-AO-08 Acquisition of ADN.</td><td>as expected</td></tr>
<tr><td>SPT-AO-09 Acquisition of maximum length ADN.</td><td>as expected</td></tr>
<tr><td>SPT-AO-10 Acquisition of special character ADN.</td><td>as expected</td></tr>
<tr><td>SPT-AO-11 Acquisition of blank name ADN.</td><td>as expected</td></tr>
</table>
</td></tr>
<tr><td>Analysis:</td><td>Expected results achieved</td></tr>
</table>

5.2.85 SPT-19 (Samsung Focus)

<table>
<tr><th colspan="2">Test Case SPT-19 Cellebrite Version 1.1.8.6</th></tr>
<tr><td>Case Summary:</td><td>SPT-19 Acquire SIM memory and review reported Last Numbers Dialed (LND).</td></tr>
<tr><td>Assertions:</td><td>SPT-AO-12 If a cellular forensic tool completes acquisition of the target SIM without error, then Last Numbers Dialed (LND) shall be presented in a useable format.
SPT-AO-13 If a cellular forensic tool completes acquisition of the target SIM without error, then the corresponding date/time stamps for LNDs shall be presented in a useable format.</td></tr>
<tr><td>Tester Name:</td><td>rpa</td></tr>
<tr><td>Test Host:</td><td>Morrisy</td></tr>
<tr><td>Test Date:</td><td>Wed Feb 1 10:51:27 EST 2012</td></tr>
<tr><td>Device:</td><td>Samsung_Focus</td></tr>
<tr><td>Source Setup:</td><td>OS: WIN XP v5.1.2600
Interface: SIM_Reader</td></tr>
<tr><td>Log Highlights:</td><td>Created by Cellebrite
Acquisition started: Wed Feb 1 10:51:27 EST 2012
Acquisition finished: Wed Feb 1 10:54:06 EST 2012

LNDs were acquired
Date/Time Stamps correctly reported for LNDs</td></tr>
<tr><td>Results:</td><td>
<table>
<tr><th>Assertion & Expected Result</th><th>Actual Result</th></tr>
<tr><td>SPT-AO-12 Acquisition of LNDs.</td><td>as expected</td></tr>
<tr><td>SPT-AO-13 Acquisition of LND date/time stamps.</td><td>as expected</td></tr>
</table>
</td></tr>
<tr><td>Analysis:</td><td>Expected results achieved</td></tr>
</table>

5.2.86 SPT-20 (Samsung Focus)

<table>
<tr><th colspan="2">Test Case SPT-20 Cellebrite Version 1.1.8.6</th></tr>
<tr><td>Case Summary:</td><td>SPT-20 Acquire SIM memory and review reported text messages (SMS, EMS).</td></tr>
<tr><td>Assertions:</td><td>SPT-AO-14 If a cellular forensic tool completes acquisition of the target SIM without error, then ASCII SMS text messages shall be presented in a useable format.
SPT-AO-15 If a cellular forensic tool completes acquisition of the target SIM without error, then ASCII EMS text messages shall be presented in a useable format.
SPT-AO-16 If a cellular forensic tool completes acquisition of the target SIM without error, then the corresponding date/time stamps for all text messages shall be presented in a useable format.
SPT-AO-17 If a cellular forensic tool completes acquisition of the target SIM without error, then the corresponding status (i.e., read, unread) for text messages shall be presented in a useable format.
SPT-AO-18 If a cellular forensic tool completes acquisition of the target SIM without error, then the corresponding sender / recipient phone numbers for text messages shall be presented in a useable format.</td></tr>
<tr><td>Tester Name:</td><td>rpa</td></tr>
<tr><td>Test Host:</td><td>Morrisy</td></tr>
<tr><td>Test Date:</td><td>Wed Feb 1 11:53:36 EST 2012</td></tr>
<tr><td>Device:</td><td>Samsung_Focus</td></tr>
<tr><td>Source Setup:</td><td>OS: WIN XP v5.1.2600
Interface: SIM_Reader</td></tr>
<tr><td>Log Highlights:</td><td>Created by Cellebrite
Acquisition started: Wed Feb 1 11:53:36 EST 2012
Acquisition finished: Wed Feb 1 11:59:34 EST 2012

ALL text messages (SMS, EMS) were acquired
All date/time stamps were reported for text messages
Correct status flags were reported for text messages
Sender and Recipient phone numbers associated with text messages were correctly reported</td></tr>
<tr><td>Results:</td><td>
<table>
<tr><th>Assertion & Expected Result</th><th>Actual Result</th></tr>
<tr><td>SPT-AO-14 Acquisition of SMS messages.</td><td>as expected</td></tr>
<tr><td>SPT-AO-15 Acquisition of EMS messages.</td><td>as expected</td></tr>
<tr><td>SPT-AO-16 Acquisition of text message date/time stamps.</td><td>as expected</td></tr>
<tr><td>SPT-AO-17 Acquisition of text message status flags.</td><td>as expected</td></tr>
<tr><td>SPT-AO-18 Acquisition of sender/recipient phone number associated with text messages.</td><td>as expected</td></tr>
</table>
</td></tr>
<tr><td>Analysis:</td><td>Expected results achieved</td></tr>
</table>

5.2.87 SPT-21 (Samsung Focus)

<table>
<tr><th colspan="2">Test Case SPT-21 Cellebrite Version 1.1.8.6</th></tr>
<tr><td>Case Summary:</td><td>SPT-21 Acquire SIM memory and review recoverable deleted text messages (SMS, EMS).</td></tr>
<tr><td>Assertions:</td><td>SPT-AO-19 If the cellular forensic tool completes acquisition of the target SIM without error, then deleted text messages that have not been overwritten shall be presented in a useable format.</td></tr>
<tr><td>Tester Name:</td><td>rpa</td></tr>
<tr><td>Test Host:</td><td>Morrisy</td></tr>
<tr><td>Test Date:</td><td>Wed Feb 1 12:00:25 EST 2012</td></tr>
<tr><td>Device:</td><td>Samsung_Focus</td></tr>
<tr><td>Source Setup:</td><td>OS: WIN XP v5.1.2600
Interface: SIM_Reader</td></tr>
<tr><td>Log</td><td>Created by Cellebrite</td></tr>
</table>

Test Case SPT-21 Cellebrite Version 1.1.8.6	
Highlights:	Acquisition started: Wed Feb 1 12:00:25 EST 2012 Acquisition finished: Wed Feb 1 12:03:17 EST 2012 Deleted text message data was recovered
Results:	

Assertion & Expected Result	Actual Result
SPT-AO-19 Acquisition of non-overwritten deleted text messages.	as expected

Analysis:	Expected results achieved

5.2.88 SPT-22 (Samsung Focus)

Test Case SPT-22 Cellebrite Version 1.1.8.6	
Case Summary:	SPT-22 Acquire SIM memory and review reported location-related data (i.e., LOCI, GPRSLOCI).
Assertions:	SPT-AO-20 If a cellular forensic tool completes acquisition of the target SIM without error, then location-related data (i.e., LOCI) shall be presented in a useable format. SPT-AO-21 If a cellular forensic tool completes acquisition of the target SIM without error, then location-related data (i.e., GRPSLOCI) shall be presented in a useable format.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Wed Feb 1 12:03:41 EST 2012
Device:	Samsung_Focus
Source Setup:	OS: WIN XP v5.1.2600 Interface: SIM_Reader
Log Highlights:	Created by Cellebrite Acquisition started: Wed Feb 1 12:03:41 EST 2012 Acquisition finished: Wed Feb 1 12:06:37 EST 2012 LOCI data was acquired GPRSLOCI data was acquired
Results:	

Assertion & Expected Result	Actual Result
SPT-AO-20 Acquisition of LOCI information.	as expected
SPT-AO-21 Acquisition of GPRSLOCI information.	as expected

Analysis:	Expected results achieved

5.2.89 SPT-23 (Samsung Focus)

Test Case SPT-23 Cellebrite Version 1.1.8.6	
Case Summary:	SPT-23 Acquire SIM memory by selecting a combination of supported data elements.
Assertions:	SPT-AO-01 If a cellular forensic tool provides support for connectivity of the target SIM, then the tool shall successfully recognize the target SIM via all tool-supported interfaces (e.g., PC/SC reader, proprietary reader, smart phone itself). SPT-AO-22 If a cellular forensic tool provides the user with an “Acquire All” SIM data objects acquisition option, then the tool shall complete the acquisition of all data objects without error. SPT-AO-23 If a cellular forensic tool provides the user with an “Select All” individual SIM data objects, then the tool shall complete the acquisition of all individually selected data objects without error. SPT-AO-24 If a cellular forensic tool provides the user with the ability to “Select Individual” SIM data objects for acquisition, then the tool shall

Test Case SPT-23 Cellebrite Version 1.1.8.6	
	acquire each exclusive data object without error.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Wed Feb 1 12:07:01 EST 2012
Device:	Samsung_Focus
Source Setup:	OS: WIN XP v5.1.2600 Interface: SIM_Reader
Log Highlights:	Created by Cellebrite Acquisition started: Wed Feb 1 12:07:01 EST 2012 Acquisition finished: Wed Feb 1 12:12:18 EST 2012 Acquire All acquisition was successful
Results:	

Assertion & Expected Result	Actual Result
SPT-AO-01 SIM connectivity via supported interfaces.	as expected
SPT-AO-22 Acquire-All data objects acquisition.	as expected
SPT-AO-23 Select-All data objects acquisition.	as expected
SPT-AO-24 Select-Individual data objects acquisition.	as expected

Analysis:	Expected results achieved

5.2.90 SPT-24 (Samsung Focus)

Test Case SPT-24 Cellebrite Version 1.1.8.6	
Case Summary:	SPT-24 Acquire mobile device internal memory and review reported data via supported/generated report formats.
Assertions:	SPT-AO-25 If a cellular forensic tool completes acquisition of the target device without error, then the tool shall present the acquired data in a useable format via supported/generated report formats.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Wed Feb 1 12:13:06 EST 2012
Device:	Samsung_Focus
Source Setup:	OS: WIN XP v5.1.2600 Interface: bluetooth
Log Highlights:	Created by Cellebrite Acquisition started: Wed Feb 1 12:13:06 EST 2012 Acquisition finished: Wed Feb 1 12:16:19 EST 2012 Complete representation of known data via generated reports was successful
Results:	

Assertion & Expected Result	Actual Result
SPT-AO-25 Comparison of known device data elements via generated reports.	as expected

Analysis:	Expected results achieved

5.2.91 SPT-25 (Samsung Focus)

Test Case SPT-25 Cellebrite Version 1.1.8.6	
Case Summary:	SPT-25 Acquire mobile device internal memory and review reported data via the preview pane.
Assertions:	SPT-AO-26 If a cellular forensic tool completes acquisition of the target device without error, then the tool shall present the acquired data in a

Test Case SPT-25 Cellebrite Version 1.1.8.6	
	useable format in a preview pane view.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Wed Feb 1 12:16:45 EST 2012
Device:	Samsung_Focus
Source Setup:	OS: WIN XP v5.1.2600 Interface: bluetooth
Log Highlights:	Created by Cellebrite Acquisition started: Wed Feb 1 12:16:45 EST 2012 Acquisition finished: Wed Feb 1 12:19:18 EST 2012 Complete representation of known data via preview pane was successful
Results:	

Assertion & Expected Result	Actual Result
SPT-AO-26 Comparison of known device data elements via preview pane.	as expected

Analysis:	Expected results achieved

5.2.92 SPT-26 (Samsung Focus)

Test Case SPT-26 Cellebrite Version 1.1.8.6	
Case Summary:	SPT-26 Acquire SIM memory and review reported data via supported/generated report formats.
Assertions:	SPT-AO-25 If a cellular forensic tool completes acquisition of the SIM without error, then the tool shall present the acquired data in a useable format via supported/generated report formats.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Wed Feb 1 12:19:48 EST 2012
Device:	Samsung_Focus
Source Setup:	OS: WIN XP v5.1.2600 Interface: SIM_Reader
Log Highlights:	Created by Cellebrite Acquisition started: Wed Feb 1 12:19:48 EST 2012 Acquisition finished: Wed Feb 1 12:22:23 EST 2012 Complete representation of known data via generated reports was successful
Results:	

Assertion & Expected Result	Actual Result
SPT-AO-25 Comparison of known device data elements via generated reports.	as expected

Analysis:	Expected results achieved

5.2.93 SPT-27 (Samsung Focus)

Test Case SPT-27 Cellebrite Version 1.1.8.6	
Case Summary:	SPT-27 Acquire SIM memory and review reported data via the preview pane.
Assertions:	SPT-AO-26 If a cellular forensic tool completes acquisition of the SIM without error, then the tool shall present the acquired data in a useable format in a preview pane view.

Test Case SPT-27 Cellebrite Version 1.1.8.6	
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Wed Feb 1 12:22:46 EST 2012
Device:	Samsung_Focus
Source Setup:	OS: WIN XP v5.1.2600 Interface: SIM_Reader
Log Highlights:	Created by Cellebrite Acquisition started: Wed Feb 1 12:22:46 EST 2012 Acquisition finished: Wed Feb 1 12:25:48 EST 2012 Complete representation of known data via preview pane was successful
Results:	

Assertion & Expected Result	Actual Result
SPT-AO-26 Comparison of known device data elements via preview pane.	as expected

Analysis:	Expected results achieved

5.2.94 SPT-28 (Samsung Focus)

Test Case SPT-28 Cellebrite Version 1.1.8.6	
Case Summary:	SPT-28 Attempt acquisition of a password-protected SIM.
Assertions:	SPT-AO-28 If the SIM is password-protected, then the cellular forensic tool shall provide the examiner with the opportunity to input the PIN before acquisition.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Wed Feb 1 12:26:25 EST 2012
Device:	Samsung_Focus
Source Setup:	OS: WIN XP v5.1.2600 Interface: SIM_Reader
Log Highlights:	Created by Cellebrite Acquisition started: Wed Feb 1 12:26:25 EST 2012 Acquisition finished: Wed Feb 1 12:28:14 EST 2012 Ability to enter PIN on protected media before acquisition was successful
Results:	

Assertion & Expected Result	Actual Result
SPT-AO-28 Acquisition of password protected SIM.	as expected

Analysis:	Expected results achieved

5.2.95 SPT-29 (Samsung Focus)

Test Case SPT-29 Cellebrite Version 1.1.8.6	
Case Summary:	SPT-29 After a successful mobile device internal memory, alter the case file via third-party means and attempt to reopen the case.
Assertions:	SPT-AO-27 If the case file or individual data objects are modified via third-party means, then the tool shall provide protection mechanisms disallowing or reporting data modification.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Wed Feb 1 12:28:43 EST 2012
Device:	Samsung_Focus

Test Case SPT-29 Cellebrite Version 1.1.8.6	
Source Setup:	OS: WIN XP v5.1.2600 Interface: cable
Log Highlights:	Created by Cellebrite Acquisition started: Wed Feb 1 12:28:43 EST 2012 Acquisition finished: Wed Feb 1 12:30:23 EST 2012 Notification of modified device memory data was successful
Results:	

Assertion & Expected Result	Actual Result
SPT-AO-27 Notification of modified device case data.	as expected

Analysis:	Expected results achieved

5.2.96 SPT-30 (Samsung Focus)

Test Case SPT-30 Cellebrite Version 1.1.8.6	
Case Summary:	SPT-30 After a successful SIM acquisition, alter the case file via third-party means and attempt to reopen the case.
Assertions:	SPT-AO-27 If the case file or individual data objects are modified via third-party means, then the tool shall provide protection mechanisms disallowing or reporting data modification.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Wed Feb 1 12:30:54 EST 2012
Device:	Samsung_Focus
Source Setup:	OS: WIN XP v5.1.2600 Interface: SIM_Reader
Log Highlights:	Created by Cellebrite Acquisition started: Wed Feb 1 12:30:54 EST 2012 Acquisition finished: Wed Feb 1 12:33:44 EST 2012 Notification of modified SIM data was successful
Results:	

Assertion & Expected Result	Actual Result
SPT-AO-27 Notification of modified device case data.	as expected

Analysis:	Expected results achieved

5.2.97 SPT-33 (Samsung Focus)

Test Case SPT-33 Cellebrite Version 1.1.8.6	
Case Summary:	SPT-33 Acquire mobile device internal memory and review data containing non-ASCII characters.
Assertions:	SPT-AO-40 If the cellular forensic tool supports display of non-ASCII characters, then the application should present address book entries in their native format. SPT-AO-41 If the cellular forensic tool supports proper display of non-ASCII characters, then the application should present text messages in their native format.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Wed Feb 1 12:34:35 EST 2012
Device:	Samsung_Focus
Source Setup:	OS: WIN XP v5.1.2600 Interface: bluetooth

Test Case SPT-33 Cellebrite Version 1.1.8.6	
Log Highlights:	Created by Cellebrite Acquisition started: Wed Feb 1 12:34:35 EST 2012 Acquisition finished: Wed Feb 1 12:39:03 EST 2012 Non-ASCII Address book entries were acquired and properly displayed
Results:	

Assertion & Expected Result	Actual Result
SPT-AO-40 Acquisition of non-ASCII address book entries/ADN.	as expected
SPT-AO-41 Acquisition of non-ASCII text messages.	as expected

Analysis:	Expected results achieved

5.2.98 SPT-34 (Samsung Focus)

Test Case SPT-34 Cellebrite Version 1.1.8.6	
Case Summary:	SPT-34 Acquire SIM memory and review data containing non-ASCII characters.
Assertions:	SPT-AO-40 If the cellular forensic tool supports display of non-ASCII characters, then the application should present ADN in their native format. SPT-AO-41 If the cellular forensic tool supports proper display of non-ASCII characters, then the application should present text messages in their native format.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Wed Feb 1 12:39:48 EST 2012
Device:	Samsung_Focus
Source Setup:	OS: WIN XP v5.1.2600 Interface: SIM_Reader
Log Highlights:	Created by Cellebrite Acquisition started: Wed Feb 1 12:39:48 EST 2012 Acquisition finished: Wed Feb 1 12:41:54 EST 2012 Non-ASCII ADN were acquired and properly displayed Non-ASCII text messages were acquired and properly displayed
Results:	

Assertion & Expected Result	Actual Result
SPT-AO-40 Acquisition of non-ASCII address book entries/ADN.	as expected
SPT-AO-41 Acquisition of non-ASCII text messages.	as expected

Analysis:	Expected results achieved

5.2.99 SPT-35 (Samsung Focus)

Test Case SPT-35 Cellebrite Version 1.1.8.6	
Case Summary:	SPT-35 Begin acquisition on a PIN-protected SIM to determine if the tool provides an accurate count of the remaining number of PIN attempts and if the PIN attempts are decremented when entering an incorrect value.
Assertions:	SPT-AO-29 If a cellular forensic tool provides the examiner with the remaining number of authentication attempts, then the application should provide an accurate count of the remaining PIN attempts.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Wed Feb 1 12:42:32 EST 2012
Device:	Samsung_Focus

Test Case SPT-35 Cellebrite Version 1.1.8.6	
Source Setup:	OS: WIN XP v5.1.2600 Interface: SIM_Reader
Log Highlights:	Created by Cellebrite Acquisition started: Wed Feb 1 12:42:32 EST 2012 Acquisition finished: Wed Feb 1 12:44:42 EST 2012 The remaining number of PIN attempts were properly displayed
Results:	**Assertion & Expected Result** / **Actual Result** SPT-AO-29 Display remaining number of PIN attempts. / as expected
Analysis:	Expected results achieved

5.2.100 SPT-36 (Samsung Focus)

Test Case SPT-36 Cellebrite Version 1.1.8.6	
Case Summary:	SPT-36 Begin acquisition on a SIM whose PIN attempts have been exhausted to determine if the tool provides an accurate count of the remaining number of PUK attempts and if the PUK attempts are decremented when entering an incorrect value.
Assertions:	SPT-AO-30 If a cellular forensic tool provides the examiner with the remaining number of PUK attempts, then the application should provide an accurate count of the remaining PUK attempts.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Wed Feb 1 12:42:57 EST 2012
Device:	Samsung_Focus
Source Setup:	OS: WIN XP v5.1.2600 Interface: SIM_Reader
Log Highlights:	Created by Cellebrite Acquisition started: Wed Feb 1 12:42:57 EST 2012 Acquisition finished: Wed Feb 1 12:44:17 EST 2012 Remaining number of PUK attempts were properly displayed
Results:	**Assertion & Expected Result** / **Actual Result** SPT-AO-30 Display remaining number of PUK attempts. / as expected
Analysis:	Expected results achieved

5.2.101 SPT-38 (Samsung Focus)

Test Case SPT-38 Cellebrite Version 1.1.8.6	
Case Summary:	SPT-38 Acquire mobile device internal memory and review hash values for vendor-supported data objects.
Assertions:	SPT-AO-43 If the cellular forensic tool supports hashing for individual data objects, then the tool shall present the user with a hash value for each supported data object.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Wed Feb 1 12:45:26 EST 2012
Device:	Samsung_Focus
Source Setup:	OS: WIN XP v5.1.2600 Interface: bluetooth
Log	Created by Cellebrite

Test Case SPT-38 Cellebrite Version 1.1.8.6	
Highlights:	Acquisition started: Wed Feb 1 12:45:26 EST 2012 Acquisition finished: Wed Feb 1 12:49:01 EST 2012 Hash values were properly reported for individually acquired device data elements
Results:	

Assertion & Expected Result	Actual Result
SPT-AO-43 Acquire data, check known hash values for consistency.	as expected

Analysis:	Expected results achieved

5.2.102 SPT-39 (Samsung Focus)

Test Case SPT-39 Cellebrite Version 1.1.8.6	
Case Summary:	SPT-39 Acquire SIM memory and review hash values for vendor-supported data objects.
Assertions:	SPT-AO-43 If the cellular forensic tool supports hashing for individual data objects, then the tool shall present the user with a hash value for each supported data object.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Wed Feb 1 12:46:18 EST 2012
Device:	Samsung_Focus
Source Setup:	OS: WIN XP v5.1.2600 Interface: SIM_Reader
Log Highlights:	Created by Cellebrite Acquisition started: Wed Feb 1 12:46:18 EST 2012 Acquisition finished: Wed Feb 1 12:49:44 EST 2012 Hash values were properly reported for individually acquired SIM data elements
Results:	

Assertion & Expected Result	Actual Result
SPT-AO-43 Acquire data, check known hash values for consistency.	as expected

Analysis:	Expected results achieved

5.2.103 SPT-01 (Nokia 6350)

Test Case SPT-01 Cellebrite Version 1.1.8.6	
Case Summary:	SPT-01 Acquire mobile device internal memory over tool-supported interfaces (e.g., cable, Bluetooth, IrDA).
Assertions:	SPT-CA-01 If a cellular forensic tool provides support for connectivity of the target device, then the tool shall successfully recognize the target device via all vendor-supported interfaces (e.g., cable, Bluetooth, IrDA). SPT-CA-04 If a cellular forensic tool completes acquisition of the target device without error, then the tool shall have the ability to present acquired data objects in a useable format via either a preview pane or generated report. SPT-CA-29 If a cellular forensic tool provides the user with an “Acquire All” device data objects acquisition option, then the tool shall complete the acquisition of all data objects without error. SPT-CA-30 If a cellular forensic tool provides the user with a “Select All” individual device data objects, then the tool shall complete the acquisition of all individually selected data objects without error.

Test Case SPT-01 Cellebrite Version 1.1.8.6	
	SPT-CA-31 If a cellular forensic tool provides the user with the ability to "Select Individual" device data objects for acquisition, then the tool shall acquire each exclusive data object without error. SPT-CA-32 If a cellular forensic tool completes two consecutive logical acquisitions of the target device without error, then the payload (data objects) on the mobile device shall remain consistent.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Tue Jan 31 07:42:30 EST 2012
Device:	Nokia6350
Source Setup:	OS: WIN XP v5.1.2600 Interface: cable
Log Highlights:	Created by Cellebrite Acquisition started: Tue Jan 31 07:42:30 EST 2012 Acquisition finished: Tue Jan 31 07:46:34 EST 2012 Device connectivity was established via supported interface
Results:	

Assertion & Expected Result	Actual Result
SPT-CA-01 Device connectivity via supported interfaces.	as expected
SPT-CA-04 Readability and completeness of acquired data via supported reports.	as expected
SPT-CA-29 Acquire-All data objects acquisition.	as expected
SPT-CA-30 Select-All data objects acquisition.	as expected
SPT-CA-31 Select-Individual data objects acquisition.	as expected
SPT-CA-32 Perform back-to-back acquisitions, check device payload for modifications.	as expected

Analysis:	Expected results achieved

5.2.104 SPT-02 (Nokia 6350)

Test Case SPT-02 Cellebrite Version 1.1.8.6	
Case Summary:	SPT-02 Attempt internal memory acquisition of a nonsupported mobile device.
Assertions:	SPT-CA-02 If a cellular forensic tool attempts to connect to a nonsupported device, then the tool shall notify the user that the device is not supported.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Tue Jan 31 07:49:23 EST 2012
Device:	unsupported_device
Source Setup:	OS: WIN XP v5.1.2600 Interface: cable
Log Highlights:	Created by Cellebrite Acquisition started: Tue Jan 31 07:49:23 EST 2012 Acquisition finished: Tue Jan 31 07:51:52 EST 2012 Identification of nonsupported devices was successful
Results:	

Assertion & Expected Result	Actual Result
SPT-CA-02 Identification of nonsupported devices.	as expected

Analysis:	Expected results achieved

5.2.105 SPT-03 (Nokia 6350)

Test Case SPT-03 Cellebrite Version 1.1.8.6	
Case Summary:	SPT-03 Begin mobile device internal memory acquisition and interrupt connectivity by interface disengagement.
Assertions:	SPT-CA-03 If connectivity between the mobile device and cellular forensic tool is disrupted, then the tool shall notify the user that connectivity has been disrupted.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Tue Jan 31 07:52:24 EST 2012
Device:	Nokia6350
Source Setup:	OS: WIN XP v5.1.2600 Interface: cable
Log Highlights:	Created by Cellebrite Acquisition started: Tue Jan 31 07:52:24 EST 2012 Acquisition finished: Tue Jan 31 07:56:48 EST 2012 Device acquisition disruption notification was successful
Results:	**Assertion & Expected Result** / **Actual Result** SPT-CA-03 Notification of device acquisition disruption. / as expected
Analysis:	Expected results achieved

5.2.106 SPT-04 (Nokia 6350)

Test Case SPT-04 Cellebrite Version 1.1.8.6	
Case Summary:	SPT-04 Acquire mobile device internal memory and review reported data via the preview pane or generated reports for readability.
Assertions:	SPT-CA-04 If a cellular forensic tool completes acquisition of the target device without error, then the tool shall have the ability to present acquired data objects in a useable format via either a preview pane or generated report.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Tue Jan 31 07:57:46 EST 2012
Device:	Nokia6350
Source Setup:	OS: WIN XP v5.1.2600 Interface: cable
Log Highlights:	Created by Cellebrite Acquisition started: Tue Jan 31 07:57:46 EST 2012 Acquisition finished: Tue Jan 31 08:02:19 EST 2012 Readability and completeness of acquired data was successful
Results:	**Assertion & Expected Result** / **Actual Result** SPT-CA-04 Readability and completeness of acquired data via supported reports. / as expected
Analysis:	Expected results achieved

5.2.107 SPT-05 (Nokia 6350)

Test Case SPT-05 Cellebrite Version 1.1.8.6	
Case Summary:	SPT-05 Acquire mobile device internal memory and review reported subscriber and equipment-related information (e.g., IMEI/MEID/ESN, MSISDN).
Assertions:	SPT-CA-05 If a cellular forensic tool completes acquisition of the target device without error, then subscriber-related information shall be presented in a useable format. SPT-CA-06 If a cellular forensic tool completes acquisition of the target device without error, then equipment-related information shall be presented in a useable format.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Tue Jan 31 08:02:52 EST 2012
Device:	Nokia6350
Source Setup:	OS: WIN XP v5.1.2600 Interface: cable
Log Highlights:	Created by Cellebrite Acquisition started: Tue Jan 31 08:02:52 EST 2012 Acquisition finished: Tue Jan 31 08:07:26 EST 2012 Subscriber and equipment-related data (i.e., MSISDN, IMEI) were acquired
Results:	**Assertion & Expected Result** / **Actual Result** SPT-CA-05 Acquisition of MSISDN, IMSI. / as expected SPT-CA-06 Acquisition of IMEI/MEID/ESN. / as expected
Analysis:	Expected results achieved

5.2.108 SPT-06 (Nokia 6350)

Test Case SPT-06 Cellebrite Version 1.1.8.6	
Case Summary:	SPT-06 Acquire mobile device internal memory and review reported PIM related data.
Assertions:	SPT-CA-07 If a cellular forensic tool completes acquisition of the target device without error, then address book entries shall be presented in a useable format. SPT-CA-08 If a cellular forensic tool completes acquisition of the target device without error, then maximum length address book entries shall be presented in a useable format. SPT-CA-09 If a cellular forensic tool completes acquisition of the target device without error, then address book entries containing special characters shall be presented in a useable format. SPT-CA-10 If a cellular forensic tool completes acquisition of the target device without error, then address book entries containing blank names shall be presented in a useable format. SPT-CA-11 If a cellular forensic tool completes acquisition of the target device without error, then email addresses associated with address book entries shall be presented in a useable format. SPT-CA-12 If a cellular forensic tool completes acquisition of the target device without error, then graphics associated with address book entries shall be presented in a useable format. SPT-CA-13 If a cellular forensic tool completes acquisition of the target device without error, then datebook, calendar, note entries shall be presented in a useable format. SPT-CA-14 If a cellular forensic tool completes acquisition of the target device without error, then maximum length datebook, calendar, note entries shall be presented in a useable format.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Tue Jan 31 08:08:02 EST 2012
Device:	Nokia6350
Source	OS: WIN XP v5.1.2600

Test Case SPT-06 Cellebrite Version 1.1.8.6	
Setup:	Interface: cable
Log Highlights:	Created by Cellebrite Acquisition started: Tue Jan 31 08:08:02 EST 2012 Acquisition finished: Tue Jan 31 08:11:22 EST 2012 All address book entries were successfully acquired ALL PIM related data was acquired
Results:	

Assertion & Expected Result	Actual Result
SPT-CA-07 Acquisition of address book entries.	as expected
SPT-CA-08 Acquisition of maximum length address book entries.	as expected
SPT-CA-09 Acquisition of address book entries containing special characters.	as expected
SPT-CA-10 Acquisition of address book entries containing a blank name entry.	as expected
SPT-CA-11 Acquisition of embedded email addresses within address book entries.	as expected
SPT-CA-12 Acquisition of embedded graphics within address book entries.	as expected
SPT-CA-13 Acquisition of PIM data (i.e., datebook/calendar, notes).	as expected
SPT-CA-14 Acquisition of maximum length PIM data.	as expected

Analysis:	Expected results achieved

5.2.109 SPT-07 (Nokia 6350)

Test Case SPT-07 Cellebrite Version 1.1.8.6	
Case Summary:	SPT-07 Acquire mobile device internal memory and review reported call logs.
Assertions:	SPT-CA-15 If a cellular forensic tool completes acquisition of the target device without error, then call logs (incoming/outgoing/missed) shall be presented in a useable format. SPT-CA-16 If a cellular forensic tool completes acquisition of the target device without error, then the corresponding date/time stamps and the duration of the call for call logs shall be presented in a useable format.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Tue Jan 31 08:35:09 EST 2012
Device:	Nokia6350
Source Setup:	OS: WIN XP v5.1.2600 Interface: cable
Log Highlights:	Created by Cellebrite Acquisition started: Tue Jan 31 08:35:09 EST 2012 Acquisition finished: Tue Jan 31 08:51:55 EST 2012 All Call Logs (incoming, outgoing, missed) were acquired All Call Log date/time stamps data were correctly reported
Results:	

Assertion & Expected Result	Actual Result
SPT-CA-15 Acquisition of call logs.	as expected
SPT-CA-16 Acquisition of call log date/time stamps.	as expected

Analysis:	Expected results achieved

5.2.110 SPT-08 (Nokia 6350)

Test Case SPT-08 Cellebrite Version 1.1.8.6	
Case Summary:	SPT-08 Acquire mobile device internal memory and review reported text messages.
Assertions:	SPT-CA-17 If a cellular forensic tool completes acquisition of the target device without error, then ASCII text messages (i.e., SMS, EMS) shall be presented in a useable format. SPT-CA-18 If a cellular forensic tool completes acquisition of the target device without error, then the corresponding date/time stamps for text messages shall be presented in a useable format. SPT-CA-19 If a cellular forensic tool completes acquisition of the target device without error, then the corresponding status (i.e., read, unread) for text messages shall be presented in a useable format. SPT-CA-20 If a cellular forensic tool completes acquisition of the target device without error, then the corresponding sender / recipient phone numbers for text messages shall be presented in a useable format.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Tue Jan 31 08:52:36 EST 2012
Device:	Nokia6350
Source Setup:	OS: WIN XP v5.1.2600 Interface: cable
Log Highlights:	Created by Cellebrite Acquisition started: Tue Jan 31 08:52:36 EST 2012 Acquisition finished: Tue Jan 31 08:55:14 EST 2012 ALL text messages (SMS, EMS) were acquired Correct date/time stamps were reported for all text messages Correct status flags were reported for all text messages Sender and Recipient phone numbers associated with text messages were correctly reported
Results:	

Assertion & Expected Result	**Actual Result**
SPT-CA-17 Acquisition of text messages.	as expected
SPT-CA-18 Acquisition of text message date/time stamps.	as expected
SPT-CA-19 Acquisition of text message status flags.	as expected
SPT-CA-20 Acquisition of sender/recipient phone number associated with text messages.	as expected

Analysis:	Expected results achieved

5.2.111 SPT-09 (Nokia 6350)

Test Case SPT-09 Cellebrite Version 1.1.8.6	
Case Summary:	SPT-09 Acquire mobile device internal memory and review reported MMS multimedia related data (i.e., text, audio, graphics, video).
Assertions:	SPT-CA-21 If a cellular forensic tool completes acquisition of the target device without error, then MMS messages and associated audio shall be presented in a useable format. SPT-CA-22 If a cellular forensic tool completes acquisition of the target device without error, then MMS messages and associated graphic files shall be presented in a useable format. SPT-CA-23 If a cellular forensic tool completes acquisition of the target device without error, then MMS messages and associated video shall be presented in a useable format.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Tue Jan 31 08:56:03 EST 2012
Device:	Nokia6350
Source Setup:	OS: WIN XP v5.1.2600 Interface: cable

Test Case SPT-09 Cellebrite Version 1.1.8.6	
Log Highlights:	Created by Cellebrite Acquisition started: Tue Jan 31 08:56:03 EST 2012 Acquisition finished: Tue Jan 31 09:16:47 EST 2012 Partial audio MMS messages were acquired Partial image MMS messages were acquired Partial video MMS messages were acquired **Notes**: The textual portion of MMS messages were not acquired.
Results:	

Assertion & Expected Result	Actual Result
SPT-CA-21 Acquisition of audio MMS messages.	Not as expected
SPT-CA-22 Acquisition of graphic data image MMS messages.	Not as expected
SPT-CA-23 Acquisition of video MMS messages.	Not as expected

Analysis:	Expected results partially achieved

5.2.112 SPT-10 (Nokia 6350)

Test Case SPT-10 Cellebrite Version 1.1.8.6	
Case Summary:	SPT-10 Acquire mobile device internal memory and review reported stand-alone multimedia data (i.e., audio, graphics, video).
Assertions:	SPT-CA-24 If a cellular forensic tool completes acquisition of the target device without error, then stand-alone audio files shall be presented in a useable format via either an internal application or suggested third-party application. SPT-CA-25 If a cellular forensic tool completes acquisition of the target device without error, then stand-alone graphic files shall be presented in a useable format via either an internal application or suggested third-party application. SPT-CA-26 If a cellular forensic tool completes acquisition of the target device without error, then stand-alone video files shall be presented in a useable format via either an internal application or suggested third-party application.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Tue Jan 31 09:23:39 EST 2012
Device:	Nokia6350
Source Setup:	OS: WIN XP v5.1.2600 Interface: cable
Log Highlights:	Created by Cellebrite Acquisition started: Tue Jan 31 09:23:39 EST 2012 Acquisition finished: Tue Jan 31 09:29:33 EST 2012 ALL stand-alone data files (Audio, Image, Video) were acquired
Results:	

Assertion & Expected Result	Actual Result
SPT-CA-24 Acquisition of stand-alone audio files.	as expected
SPT-CA-25 Acquisition of stand-alone graphic files.	as expected
SPT-CA-26 Acquisition of stand-alone video files.	as expected

Analysis:	Expected results achieved

5.2.113 SPT-13 (Nokia 6350)

Test Case SPT-13 Cellebrite Version 1.1.8.6	
Case Summary:	SPT-13 Acquire mobile device internal memory by selecting a combination of supported data elements.
Assertions:	SPT-CA-29 If a cellular forensic tool provides the user with an “Acquire All” device data objects acquisition option, then the tool shall complete the acquisition of all data objects without error. SPT-CA-30 If a cellular forensic tool provides the user with an “Select All” individual device data objects, then the tool shall complete the acquisition of all individually selected data objects without error. SPT-CA-31 If a cellular forensic tool provides the user with the ability to “Select Individual” device data objects for acquisition, then the tool shall acquire each exclusive data object without error.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Tue Jan 31 09:34:33 EST 2012
Device:	Nokia6350
Source Setup:	OS: WIN XP v5.1.2600 Interface: cable
Log Highlights:	Created by Cellebrite Acquisition started: Tue Jan 31 09:34:33 EST 2012 Acquisition finished: Tue Jan 31 09:34:50 EST 2012 Acquire All acquisition was successful
Results:	

Assertion & Expected Result	**Actual Result**
SPT-CA-29 Acquire-All data objects acquisition.	as expected
SPT-CA-30 Select-All data objects acquisition.	as expected
SPT-CA-31 Select-Individual data objects acquisition.	as expected

Analysis:	Expected results achieved

5.2.114 SPT-14 (Nokia 6350)

Test Case SPT-14 Cellebrite Version 1.1.8.6	
Case Summary:	SPT-14 Acquire SIM memory over supported interfaces (e.g., PC/SC reader).
Assertions:	SPT-AO-01 If a cellular forensic tool provides support for connectivity of the target SIM, then the tool shall successfully recognize the target SIM via all tool-supported interfaces (e.g., PC/SC reader, proprietary reader, smart phone itself).
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Tue Jan 31 09:39:48 EST 2012
Device:	Nokia6350
Source Setup:	OS: WIN XP v5.1.2600 Interface: SIM_Reader
Log Highlights:	Created by Cellebrite Acquisition started: Tue Jan 31 09:39:48 EST 2012 Acquisition finished: Tue Jan 31 09:45:07 EST 2012 Media connectivity was established via supported interface
Results:	

Assertion & Expected Result	**Actual Result**
SPT-AO-01 SIM connectivity via supported interfaces.	as expected

Analysis:	Expected results achieved

5.2.115 SPT-15 (Nokia 6350)

Test Case SPT-15 Cellebrite Version 1.1.8.6	
Case Summary:	SPT-15 Attempt acquisition of a nonsupported SIM.
Assertions:	SPT-AO-02 If a cellular forensic tool attempts to connect to a nonsupported SIM, then the tool shall notify the user that the SIM is not supported.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Tue Jan 31 09:45:44 EST 2012
Device:	Nokia6350
Source Setup:	OS: WIN XP v5.1.2600 Interface: SIM_Reader
Log Highlights:	Created by Cellebrite Acquisition started: Tue Jan 31 09:45:44 EST 2012 Acquisition finished: Tue Jan 31 09:47:05 EST 2012 Identification of nonsupported media was successful
Results:	**Assertion & Expected Result** / **Actual Result** SPT-AO-02 Identification of nonsupported SIM. / as expected
Analysis:	Expected results achieved

5.2.116 SPT-16 (Nokia 6350)

Test Case SPT-16 Cellebrite Version 1.1.8.6	
Case Summary:	SPT-16 Begin SIM acquisition and interrupt connectivity by interface disengagement.
Assertions:	SPT-AO-03 If a cellular forensic tool loses connectivity with the SIM reader, then the tool shall notify the user that connectivity has been disrupted.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Tue Jan 31 09:48:16 EST 2012
Device:	Nokia6350
Source Setup:	OS: WIN XP v5.1.2600 Interface: SIM_Reader
Log Highlights:	Created by Cellebrite Acquisition started: Tue Jan 31 09:48:16 EST 2012 Acquisition finished: Tue Jan 31 09:50:11 EST 2012 Media acquisition disruption notification was successful
Results:	**Assertion & Expected Result** / **Actual Result** SPT-AO-03 Notification of SIM acquisition disruption. / as expected
Analysis:	Expected results achieved

5.2.117 SPT-17 (Nokia 6350)

Test Case SPT-17 Cellebrite Version 1.1.8.6	
Case Summary:	SPT-17 Acquire SIM memory and review reported subscriber and equipment-related information (i.e., SPN, ICCID, IMSI, MSISDN).
Assertions:	SPT-AO-04 If a cellular forensic tool completes acquisition of the target SIM without error, then the SPN shall be presented in a useable format. SPT-AO-05 If a cellular forensic tool completes acquisition of the target

Test Case SPT-17 Cellebrite Version 1.1.8.6	
	SIM without error, then the ICCID shall be presented in a useable format. SPT-AO-06 If a cellular forensic tool completes acquisition of the target SIM without error, then the IMSI shall be presented in a useable format. SPT-AO-07 If a cellular forensic tool completes acquisition of the target SIM without error, then the MSISDN shall be presented in a useable format.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Tue Jan 31 09:51:03 EST 2012
Device:	Nokia6350
Source Setup:	OS: WIN XP v5.1.2600 Interface: SIM_Reader
Log Highlights:	Created by Cellebrite Acquisition started: Tue Jan 31 09:51:03 EST 2012 Acquisition finished: Tue Jan 31 09:53:47 EST 2012 All subscriber-related data (i.e., SPN, ICCID, IMSI, MSISDN) was acquired
Results:	

Assertion & Expected Result	Actual Result
SPT-AO-04 Acquisition of SPN.	as expected
SPT-AO-05 Acquisition of ICCID.	as expected
SPT-AO-06 Acquisition of IMSI.	as expected
SPT-AO-07 Acquisition of MSISDN.	as expected

Analysis:	Expected results achieved

5.2.118 SPT-18 (Nokia 6350)

Test Case SPT-18 Cellebrite Version 1.1.8.6	
Case Summary:	SPT-18 Acquire SIM memory and review reported Abbreviated Dialing Numbers (ADN).
Assertions:	SPT-AO-08 If a cellular forensic tool completes acquisition of the target SIM without error, then ASCII Abbreviated Dialing Numbers (ADN) shall be presented in a useable format. SPT-AO-09 If a cellular forensic tool completes acquisition of the target SIM without error, then maximum length ADN shall be presented in a useable format. SPT-AO-10 If a cellular forensic tool completes acquisition of the SIM without error, then ADN containing special characters shall be presented in a useable format. SPT-AO-11 If a cellular forensic tool completes acquisition of the SIM without error, then ADN containing blank names shall be presented in a useable format.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Tue Jan 31 09:56:28 EST 2012
Device:	Nokia6350
Source Setup:	OS: WIN XP v5.1.2600 Interface: SIM_Reader
Log Highlights:	Created by Cellebrite Acquisition started: Tue Jan 31 09:56:28 EST 2012 Acquisition finished: Tue Jan 31 10:00:19 EST 2012 All ADN were acquired
Results:	

Assertion & Expected Result	Actual Result
SPT-AO-08 Acquisition of ADN.	as expected
SPT-AO-09 Acquisition of maximum length ADN.	as expected
SPT-AO-10 Acquisition of special character ADN.	as expected
SPT-AO-11 Acquisition of blank name ADN.	as expected

Test Case SPT-18 Cellebrite Version 1.1.8.6	
Analysis:	Expected results achieved

5.2.119 SPT-19 (Nokia 6350)

Test Case SPT-19 Cellebrite Version 1.1.8.6	
Case Summary:	SPT-19 Acquire SIM memory and review reported Last Numbers Dialed (LND).
Assertions:	SPT-AO-12 If a cellular forensic tool completes acquisition of the target SIM without error, then Last Numbers Dialed (LND) shall be presented in a useable format. SPT-AO-13 If a cellular forensic tool completes acquisition of the target SIM without error, then the corresponding date/time stamps for LNDs shall be presented in a useable format.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Tue Jan 31 10:00:56 EST 2012
Device:	Nokia6350
Source Setup:	OS: WIN XP v5.1.2600 Interface: cable
Log Highlights:	Created by Cellebrite Acquisition started: Tue Jan 31 10:00:56 EST 2012 Acquisition finished: Tue Jan 31 10:04:17 EST 2012 LNDs were acquired Date/Time Stamps correctly reported for LNDs
Results:	**Assertion & Expected Result** / **Actual Result** SPT-AO-12 Acquisition of LNDs. / as expected SPT-AO-13 Acquisition of LND date/time stamps. / as expected
Analysis:	Expected results achieved

5.2.120 SPT-20 (Nokia 6350)

Test Case SPT-20 Cellebrite Version 1.1.8.6	
Case Summary:	SPT-20 Acquire SIM memory and review reported text messages (SMS, EMS).
Assertions:	SPT-AO-14 If a cellular forensic tool completes acquisition of the target SIM without error, then ASCII SMS text messages shall be presented in a useable format. SPT-AO-15 If a cellular forensic tool completes acquisition of the target SIM without error, then ASCII EMS text messages shall be presented in a useable format. SPT-AO-16 If a cellular forensic tool completes acquisition of the target SIM without error, then the corresponding date/time stamps for all text messages shall be presented in a useable format. SPT-AO-17 If a cellular forensic tool completes acquisition of the target SIM without error, then the corresponding status (i.e., read, unread) for text messages shall be presented in a useable format. SPT-AO-18 If a cellular forensic tool completes acquisition of the target SIM without error, then the corresponding sender / recipient phone numbers for text messages shall be presented in a useable format.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Tue Jan 31 10:05:20 EST 2012
Device:	Nokia6350
Source Setup:	OS: WIN XP v5.1.2600 Interface: SIM_Reader

Test Case SPT-20 Cellebrite Version 1.1.8.6	
Log Highlights:	Created by Cellebrite Acquisition started: Tue Jan 31 10:05:20 EST 2012 Acquisition finished: Tue Jan 31 10:09:09 EST 2012 ALL text messages (SMS, EMS) were acquired All date/time stamps were reported for text messages Correct status flags were reported for text messages Sender and Recipient phone numbers associated with text messages were correctly reported
Results:	

Assertion & Expected Result	Actual Result
SPT-AO-14 Acquisition of SMS messages.	as expected
SPT-AO-15 Acquisition of EMS messages.	as expected
SPT-AO-16 Acquisition of text message date/time stamps.	as expected
SPT-AO-17 Acquisition of text message status flags.	as expected
SPT-AO-18 Acquisition of sender/recipient phone number associated with text messages.	as expected

Analysis:	Expected results achieved

5.2.121 SPT-21 (Nokia 6350)

Test Case SPT-21 Cellebrite Version 1.1.8.6	
Case Summary:	SPT-21 Acquire SIM memory and review recoverable deleted text messages (SMS, EMS).
Assertions:	SPT-AO-19 If the cellular forensic tool completes acquisition of the target SIM without error, then deleted text messages that have not been overwritten shall be presented in a useable format.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Tue Jan 31 10:09:48 EST 2012
Device:	Nokia6350
Source Setup:	OS: WIN XP v5.1.2600 Interface: SIM_Reader
Log Highlights:	Created by Cellebrite Acquisition started: Tue Jan 31 10:09:48 EST 2012 Acquisition finished: Tue Jan 31 10:13:53 EST 2012 Deleted text message data was recovered
Results:	

Assertion & Expected Result	Actual Result
SPT-AO-19 Acquisition of non-overwritten deleted text messages.	as expected

Analysis:	Expected results achieved

5.2.122 SPT-22 (Nokia 6350)

Test Case SPT-22 Cellebrite Version 1.1.8.6	
Case Summary:	SPT-22 Acquire SIM memory and review reported location-related data (i.e., LOCI, GPRSLOCI).
Assertions:	SPT-AO-20 If a cellular forensic tool completes acquisition of the target SIM without error, then location-related data (i.e., LOCI) shall be presented in a useable format. SPT-AO-21 If a cellular forensic tool completes acquisition of the target SIM without error, then location-related data (i.e., GRPSLOCI) shall be

Test Case SPT-22 Cellebrite Version 1.1.8.6	
	presented in a useable format.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Tue Jan 31 10:14:33 EST 2012
Device:	Nokia6350
Source Setup:	OS: WIN XP v5.1.2600 Interface: SIM_Reader
Log Highlights:	Created by Cellebrite Acquisition started: Tue Jan 31 10:14:33 EST 2012 Acquisition finished: Tue Jan 31 10:15:44 EST 2012 LOCI data was acquired GPRSLOCI data was acquired
Results:	

Assertion & Expected Result	Actual Result
SPT-AO-20 Acquisition of LOCI information.	as expected
SPT-AO-21 Acquisition of GPRSLOCI information.	as expected

Analysis:	Expected results achieved

5.2.123 SPT-23 (Nokia 6350)

Test Case SPT-23 Cellebrite Version 1.1.8.6	
Case Summary:	SPT-23 Acquire SIM memory by selecting a combination of supported data elements.
Assertions:	SPT-AO-01 If a cellular forensic tool provides support for connectivity of the target SIM, then the tool shall successfully recognize the target SIM via all tool-supported interfaces (e.g., PC/SC reader, proprietary reader, smart phone itself). SPT-AO-22 If a cellular forensic tool provides the user with an “Acquire All” SIM data objects acquisition option, then the tool shall complete the acquisition of all data objects without error. SPT-AO-23 If a cellular forensic tool provides the user with an “Select All” individual SIM data objects, then the tool shall complete the acquisition of all individually selected data objects without error. SPT-AO-24 If a cellular forensic tool provides the user with the ability to “Select Individual” SIM data objects for acquisition, then the tool shall acquire each exclusive data object without error.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Tue Jan 31 10:16:10 EST 2012
Device:	Nokia6350
Source Setup:	OS: WIN XP v5.1.2600 Interface: SIM_Reader
Log Highlights:	Created by Cellebrite Acquisition started: Tue Jan 31 10:16:10 EST 2012 Acquisition finished: Tue Jan 31 10:20:29 EST 2012 Acquire All acquisition was successful
Results:	

Assertion & Expected Result	Actual Result
SPT-AO-01 SIM connectivity via supported interfaces.	as expected
SPT-AO-22 Acquire-All data objects acquisition.	as expected
SPT-AO-23 Select-All data objects acquisition.	as expected
SPT-AO-24 Select-Individual data objects acquisition.	as expected

Analysis:	Expected results achieved

5.2.124 SPT-24 (Nokia 6350)

Test Case SPT-24 Cellebrite Version 1.1.8.6	
Case Summary:	SPT-24 Acquire mobile device internal memory and review reported data via supported/generated report formats.
Assertions:	SPT-AO-25 If a cellular forensic tool completes acquisition of the target device without error, then the tool shall present the acquired data in a useable format via supported/generated report formats.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Tue Jan 31 13:16:49 EST 2012
Device:	Nokia6350
Source Setup:	OS: WIN XP v5.1.2600 Interface: cable
Log Highlights:	Created by Cellebrite Acquisition started: Tue Jan 31 13:16:49 EST 2012 Acquisition finished: Tue Jan 31 13:20:51 EST 2012 Complete representation of known data via generated reports was successful
Results:	

Assertion & Expected Result	**Actual Result**
SPT-AO-25 Comparison of known device data elements via generated reports.	as expected

Analysis:	Expected results achieved

5.2.125 SPT-25 (Nokia 6350)

Test Case SPT-25 Cellebrite Version 1.1.8.6	
Case Summary:	SPT-25 Acquire mobile device internal memory and review reported data via the preview pane.
Assertions:	SPT-AO-26 If a cellular forensic tool completes acquisition of the target device without error, then the tool shall present the acquired data in a useable format in a preview pane view.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Tue Jan 31 13:21:47 EST 2012
Device:	Nokia6350
Source Setup:	OS: WIN XP v5.1.2600 Interface: cable
Log Highlights:	Created by Cellebrite Acquisition started: Tue Jan 31 13:21:47 EST 2012 Acquisition finished: Tue Jan 31 13:24:46 EST 2012 Complete representation of known data via preview pane was successful
Results:	

Assertion & Expected Result	**Actual Result**
SPT-AO-26 Comparison of known device data elements via preview pane.	as expected

Analysis:	Expected results achieved

5.2.126 SPT-26 (Nokia 6350)

Test Case SPT-26 Cellebrite Version 1.1.8.6	
Case Summary:	SPT-26 Acquire SIM memory and review reported data via supported/generated report formats.
Assertions:	SPT-AO-25 If a cellular forensic tool completes acquisition of the SIM without error, then the tool shall present the acquired data in a useable format via supported/generated report formats.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Tue Jan 31 13:25:22 EST 2012
Device:	Nokia6350
Source Setup:	OS: WIN XP v5.1.2600 Interface: SIM_Reader
Log Highlights:	Created by Cellebrite Acquisition started: Tue Jan 31 13:25:22 EST 2012 Acquisition finished: Tue Jan 31 13:26:39 EST 2012 Complete representation of known data via generated reports was successful
Results:	

Assertion & Expected Result	**Actual Result**
SPT-AO-25 Comparison of known device data elements via generated reports.	as expected

Analysis:	Expected results achieved

5.2.127 SPT-27 (Nokia 6350)

Test Case SPT-27 Cellebrite Version 1.1.8.6	
Case Summary:	SPT-27 Acquire SIM memory and review reported data via the preview pane.
Assertions:	SPT-AO-26 If a cellular forensic tool completes acquisition of the SIM without error, then the tool shall present the acquired data in a useable format in a preview pane view.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Tue Jan 31 13:27:15 EST 2012
Device:	Nokia6350
Source Setup:	OS: WIN XP v5.1.2600 Interface: SIM_Reader
Log Highlights:	Created by Cellebrite Acquisition started: Tue Jan 31 13:27:15 EST 2012 Acquisition finished: Tue Jan 31 13:29:16 EST 2012 Complete representation of known data via preview pane was successful
Results:	

Assertion & Expected Result	**Actual Result**
SPT-AO-26 Comparison of known device data elements via preview pane.	as expected

Analysis:	Expected results achieved

5.2.128 SPT-28 (Nokia 6350)

Test Case SPT-28 Cellebrite Version 1.1.8.6	
Case Summary:	SPT-28 Attempt acquisition of a password-protected SIM.
Assertions:	SPT-AO-28 If the SIM is password-protected, then the cellular forensic tool shall provide the examiner with the opportunity to input the PIN before acquisition.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Tue Jan 31 13:30:14 EST 2012
Device:	Nokia6350
Source Setup:	OS: WIN XP v5.1.2600 Interface: SIM_Reader
Log Highlights:	Created by Cellebrite Acquisition started: Tue Jan 31 13:30:14 EST 2012 Acquisition finished: Tue Jan 31 13:32:31 EST 2012 Ability to enter PIN on protected media before acquisition was successful
Results:	**Assertion & Expected Result** / **Actual Result** SPT-AO-28 Acquisition of password protected SIM. / as expected
Analysis:	Expected results achieved

5.2.129 SPT-29 (Nokia 6350)

Test Case SPT-29 Cellebrite Version 1.1.8.6	
Case Summary:	SPT-29 After a successful mobile device internal memory, alter the case file via third-party means and attempt to reopen the case.
Assertions:	SPT-AO-27 If the case file or individual data objects are modified via third-party means, then the tool shall provide protection mechanisms disallowing or reporting data modification.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Tue Jan 31 13:33:23 EST 2012
Device:	Nokia6350
Source Setup:	OS: WIN XP v5.1.2600 Interface: cable
Log Highlights:	Created by Cellebrite Acquisition started: Tue Jan 31 13:33:23 EST 2012 Acquisition finished: Tue Jan 31 13:34:15 EST 2012 Notification of modified device memory data was successful
Results:	**Assertion & Expected Result** / **Actual Result** SPT-AO-27 Notification of modified device case data. / as expected
Analysis:	Expected results achieved

5.2.130 SPT-30 (Nokia 6350)

Test Case SPT-30 Cellebrite Version 1.1.8.6	
Case Summary:	SPT-30 After a successful SIM acquisition, alter the case file via third-party means and attempt to reopen the case.
Assertions:	SPT-AO-27 If the case file or individual data objects are modified via third-party means, then the tool shall provide protection mechanisms

Test Case SPT-30 Cellebrite Version 1.1.8.6	
	disallowing or reporting data modification.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Tue Jan 31 13:34:51 EST 2012
Device:	Nokia6350
Source Setup:	OS: WIN XP v5.1.2600 Interface: SIM_Reader
Log Highlights:	Created by Cellebrite Acquisition started: Tue Jan 31 13:34:51 EST 2012 Acquisition finished: Tue Jan 31 13:36:13 EST 2012 Notification of modified SIM data was successful
Results:	**Assertion & Expected Result** / **Actual Result** SPT-AO-27 Notification of modified device case data. / as expected
Analysis:	Expected results achieved

5.2.131 SPT-33 (Nokia 6350)

Test Case SPT-33 Cellebrite Version 1.1.8.6	
Case Summary:	SPT-33 Acquire mobile device internal memory and review data containing non-ASCII characters.
Assertions:	SPT-AO-40 If the cellular forensic tool supports display of non-ASCII characters, then the application should present address book entries in their native format. SPT-AO-41 If the cellular forensic tool supports proper display of non-ASCII characters, then the application should present text messages in their native format.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Tue Jan 31 13:41:41 EST 2012
Device:	Nokia6350
Source Setup:	OS: WIN XP v5.1.2600 Interface: cable
Log Highlights:	Created by Cellebrite Acquisition started: Tue Jan 31 13:41:41 EST 2012 Acquisition finished: Tue Jan 31 13:46:55 EST 2012 Non-ASCII Address book entries were acquired and properly displayed Non-ASCII text messages were acquired and properly displayed
Results:	**Assertion & Expected Result** / **Actual Result** SPT-AO-40 Acquisition of non-ASCII address book entries/ADN. / as expected SPT-AO-41 Acquisition of non-ASCII text messages. / as expected
Analysis:	Expected results achieved

5.2.132 SPT-34 (Nokia 6350)

Test Case SPT-34 Cellebrite Version 1.1.8.6	
Case Summary:	SPT-34 Acquire SIM memory and review data containing non-ASCII characters.
Assertions:	SPT-AO-40 If the cellular forensic tool supports display of non-ASCII

Test Case SPT-34 Cellebrite Version 1.1.8.6	
	characters, then the application should present ADN in their native format. SPT-AO-41 If the cellular forensic tool supports proper display of non-ASCII characters, then the application should present text messages in their native format.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Tue Jan 31 13:47:35 EST 2012
Device:	Nokia6350
Source Setup:	OS: WIN XP v5.1.2600 Interface: SIM_Reader
Log Highlights:	Created by Cellebrite Acquisition started: Tue Jan 31 13:47:35 EST 2012 Acquisition finished: Tue Jan 31 13:48:54 EST 2012 Non-ASCII ADN were acquired and properly displayed Non-ASCII text messages were acquired and properly displayed
Results:	

Assertion & Expected Result	Actual Result
SPT-AO-40 Acquisition of non-ASCII address book entries/ADN.	as expected
SPT-AO-41 Acquisition of non-ASCII text messages.	as expected

Analysis:	Expected results achieved

5.2.133 SPT-35 (Nokia 6350)

Test Case SPT-35 Cellebrite Version 1.1.8.6	
Case Summary:	SPT-35 Begin acquisition on a PIN-protected SIM to determine if the tool provides an accurate count of the remaining number of PIN attempts and if the PIN attempts are decremented when entering an incorrect value.
Assertions:	SPT-AO-29 If a cellular forensic tool provides the examiner with the remaining number of authentication attempts, then the application should provide an accurate count of the remaining PIN attempts.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Tue Jan 31 13:52:06 EST 2012
Device:	Nokia6350
Source Setup:	OS: WIN XP v5.1.2600 Interface: SIM_Reader
Log Highlights:	Created by Cellebrite Acquisition started: Tue Jan 31 13:52:06 EST 2012 Acquisition finished: Tue Jan 31 13:52:17 EST 2012 The remaining number of PIN attempts were properly displayed
Results:	

Assertion & Expected Result	Actual Result
SPT-AO-29 Display remaining number of PIN attempts.	as expected

Analysis:	Expected results achieved

5.2.134 SPT-36 (Nokia 6350)

Test Case SPT-36 Cellebrite Version 1.1.8.6	
Case Summary:	SPT-36 Begin acquisition on a SIM whose PIN attempts have been exhausted to determine if the tool provides an accurate count of the remaining number of PUK attempts and if the PUK attempts are decremented when entering an incorrect value.
Assertions:	SPT-AO-30 If a cellular forensic tool provides the examiner with the remaining number of PUK attempts, then the application should provide an accurate count of the remaining PUK attempts.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Tue Jan 31 13:52:44 EST 2012
Device:	Nokia6350
Source Setup:	OS: WIN XP v5.1.2600 Interface: SIM_Reader
Log Highlights:	Created by Cellebrite Acquisition started: Tue Jan 31 13:52:44 EST 2012 Acquisition finished: Tue Jan 31 13:55:01 EST 2012 Remaining number of PUK attempts were properly displayed
Results:	**Assertion & Expected Result** / **Actual Result** SPT-AO-30 Display remaining number of PUK attempts. / as expected
Analysis:	Expected results achieved

5.2.135 SPT-38 (Nokia 6350)

Test Case SPT-38 Cellebrite Version 1.1.8.6	
Case Summary:	SPT-38 Acquire mobile device internal memory and review hash values for vendor-supported data objects.
Assertions:	SPT-AO-43 If the cellular forensic tool supports hashing for individual data objects, then the tool shall present the user with a hash value for each supported data object.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Tue Jan 31 13:56:38 EST 2012
Device:	Nokia6350
Source Setup:	OS: WIN XP v5.1.2600 Interface: cable
Log Highlights:	Created by Cellebrite Acquisition started: Tue Jan 31 13:56:38 EST 2012 Acquisition finished: Tue Jan 31 13:58:13 EST 2012 Hash values were properly reported for individually acquired device data elements
Results:	**Assertion & Expected Result** / **Actual Result** SPT-AO-43 Acquire data, check known hash values for consistency. / as expected
Analysis:	Expected results achieved

5.2.136 SPT-39 (Nokia 6350)

Test Case SPT-39 Cellebrite Version 1.1.8.6	
Case Summary:	SPT-39 Acquire SIM memory and review hash values for vendor-supported data objects.
Assertions:	SPT-AO-43 If the cellular forensic tool supports hashing for individual data objects, then the tool shall present the user with a hash value for each supported data object.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Tue Jan 31 13:58:37 EST 2012
Device:	Nokia6350
Source Setup:	OS: WIN XP v5.1.2600 Interface: SIM_Reader
Log Highlights:	Created by Cellebrite Acquisition started: Tue Jan 31 13:58:37 EST 2012 Acquisition finished: Tue Jan 31 14:00:23 EST 2012 Hash values were properly reported for individually acquired SIM data elements
Results:	

Assertion & Expected Result	**Actual Result**
SPT-AO-43 Acquire data, check known hash values for consistency.	as expected

Analysis:	Expected results achieved

5.2.137 SPT-01 (Motorola Tundra)

Test Case SPT-01 Cellebrite Version 1.1.8.6	
Case Summary:	SPT-01 Acquire mobile device internal memory over tool-supported interfaces (e.g., cable, Bluetooth, IrDA).
Assertions:	SPT-CA-01 If a cellular forensic tool provides support for connectivity of the target device, then the tool shall successfully recognize the target device via all vendor-supported interfaces (e.g., cable, Bluetooth, IrDA). SPT-CA-04 If a cellular forensic tool completes acquisition of the target device without error, then the tool shall have the ability to present acquired data objects in a useable format via either a preview pane or generated report. SPT-CA-29 If a cellular forensic tool provides the user with an “Acquire All” device data objects acquisition option, then the tool shall complete the acquisition of all data objects without error. SPT-CA-30 If a cellular forensic tool provides the user with a “Select All” individual device data objects, then the tool shall complete the acquisition of all individually selected data objects without error. SPT-CA-31 If a cellular forensic tool provides the user with the ability to “Select Individual” device data objects for acquisition, then the tool shall acquire each exclusive data object without error. SPT-CA-32 If a cellular forensic tool completes two consecutive logical acquisitions of the target device without error, then the payload (data objects) on the mobile device shall remain consistent.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Wed Jan 4 12:36:58 EST 2012
Device:	Motorola_Tundra
Source Setup:	OS: WIN XP v5.1.2600 Interface: cable
Log Highlights:	Created by Cellebrite Acquisition started: Wed Jan 4 12:36:58 EST 2012 Acquisition finished: Wed Jan 4 12:37:31 EST 2012

Test Case SPT-01 Cellebrite Version 1.1.8.6	
	Device connectivity was established via supported interface
Results:	

Assertion & Expected Result	Actual Result
SPT-CA-01 Device connectivity via supported interfaces.	as expected
SPT-CA-04 Readability and completeness of acquired data via supported reports.	as expected
SPT-CA-29 Acquire-All data objects acquisition.	as expected
SPT-CA-30 Select-All data objects acquisition.	as expected
SPT-CA-31 Select-Individual data objects acquisition.	as expected
SPT-CA-32 Perform back-to-back acquisitions, check device payload for modifications.	as expected

Analysis:	Expected results achieved

5.2.138 SPT-02 (Motorola Tundra)

Test Case SPT-02 Cellebrite Version 1.1.8.6	
Case Summary:	SPT-02 Attempt internal memory acquisition of a nonsupported mobile device.
Assertions:	SPT-CA-02 If a cellular forensic tool attempts to connect to a nonsupported device, then the tool shall notify the user that the device is not supported.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Wed Jan 4 12:38:02 EST 2012
Device:	unsupported_device
Source Setup:	OS: WIN XP v5.1.2600 Interface: cable
Log Highlights:	Created by Cellebrite Acquisition started: Wed Jan 4 12:38:02 EST 2012 Acquisition finished: Wed Jan 4 12:40:08 EST 2012 Identification of nonsupported devices was successful
Results:	

Assertion & Expected Result	Actual Result
SPT-CA-02 Identification of nonsupported devices.	as expected

Analysis:	Expected results achieved

5.2.139 SPT-03 (Motorola Tundra)

Test Case SPT-03 Cellebrite Version 1.1.8.6	
Case Summary:	SPT-03 Begin mobile device internal memory acquisition and interrupt connectivity by interface disengagement.
Assertions:	SPT-CA-03 If connectivity between the mobile device and cellular forensic tool is disrupted, then the tool shall notify the user that connectivity has been disrupted.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Wed Jan 4 12:42:51 EST 2012
Device:	Motorola_Tundra
Source Setup:	OS: WIN XP v5.1.2600 Interface: cable
Log	Created by Cellebrite

Test Case SPT-03 Cellebrite Version 1.1.8.6	
Highlights:	Acquisition started: Wed Jan 4 12:42:51 EST 2012 Acquisition finished: Wed Jan 4 12:43:11 EST 2012 Device acquisition disruption notification was successful
Results:	

Assertion & Expected Result	Actual Result
SPT-CA-03 Notification of device acquisition disruption.	as expected

Analysis:	Expected results achieved

5.2.140 SPT-04 (Motorola Tundra)

Test Case SPT-04 Cellebrite Version 1.1.8.6	
Case Summary:	SPT-04 Acquire mobile device internal memory and review reported data via the preview pane or generated reports for readability.
Assertions:	SPT-CA-04 If a cellular forensic tool completes acquisition of the target device without error, then the tool shall have the ability to present acquired data objects in a useable format via either a preview pane or generated report.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Wed Jan 4 12:43:34 EST 2012
Device:	Motorola_Tundra
Source Setup:	OS: WIN XP v5.1.2600 Interface: cable
Log Highlights:	Created by Cellebrite Acquisition started: Wed Jan 4 12:43:34 EST 2012 Acquisition finished: Wed Jan 4 12:49:00 EST 2012 Readability and completeness of acquired data was successful
Results:	

Assertion & Expected Result	Actual Result
SPT-CA-04 Readability and completeness of acquired data via supported reports.	as expected

Analysis:	Expected results achieved

5.2.141 SPT-05 (Motorola Tundra)

Test Case SPT-05 Cellebrite Version 1.1.8.6	
Case Summary:	SPT-05 Acquire mobile device internal memory and review reported subscriber and equipment-related information (e.g., IMEI/MEID/ESN, MSISDN).
Assertions:	SPT-CA-05 If a cellular forensic tool completes acquisition of the target device without error, then subscriber-related information shall be presented in a useable format. SPT-CA-06 If a cellular forensic tool completes acquisition of the target device without error, then equipment-related information shall be presented in a useable format.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Wed Jan 4 12:49:25 EST 2012
Device:	Motorola_Tundra
Source Setup:	OS: WIN XP v5.1.2600 Interface: cable
Log	Created by Cellebrite

Test Case SPT-05 Cellebrite Version 1.1.8.6	
Highlights:	Acquisition started: Wed Jan 4 12:49:25 EST 2012 Acquisition finished: Wed Jan 4 12:51:43 EST 2012 Subscriber and equipment-related data (i.e., MSISDN, IMEI) were acquired
Results:	

Assertion & Expected Result	Actual Result
SPT-CA-05 Acquisition of MSISDN, IMSI.	as expected
SPT-CA-06 Acquisition of IMEI/MEID/ESN.	as expected

Analysis:	Expected results achieved

5.2.142 SPT-06 (Motorola Tundra)

Test Case SPT-06 Cellebrite Version 1.1.8.6	
Case Summary:	SPT-06 Acquire mobile device internal memory and review reported PIM related data.
Assertions:	SPT-CA-07 If a cellular forensic tool completes acquisition of the target device without error, then address book entries shall be presented in a useable format. SPT-CA-08 If a cellular forensic tool completes acquisition of the target device without error, then maximum length address book entries shall be presented in a useable format. SPT-CA-09 If a cellular forensic tool completes acquisition of the target device without error, then address book entries containing special characters shall be presented in a useable format. SPT-CA-10 If a cellular forensic tool completes acquisition of the target device without error, then address book entries containing blank names shall be presented in a useable format. SPT-CA-11 If a cellular forensic tool completes acquisition of the target device without error, then email addresses associated with address book entries shall be presented in a useable format. SPT-CA-12 If a cellular forensic tool completes acquisition of the target device without error, then graphics associated with address book entries shall be presented in a useable format. SPT-CA-13 If a cellular forensic tool completes acquisition of the target device without error, then datebook, calendar, note entries shall be presented in a useable format. SPT-CA-14 If a cellular forensic tool completes acquisition of the target device without error, then maximum length datebook, calendar, note entries shall be presented in a useable format.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Wed Jan 4 12:52:10 EST 2012
Device:	Motorola_Tundra
Source Setup:	OS: WIN XP v5.1.2600 Interface: cable
Log Highlights:	Created by Cellebrite Acquisition started: Wed Jan 4 12:52:10 EST 2012 Acquisition finished: Wed Jan 4 12:54:16 EST 2012 All address book entries were successfully acquired Basic PIM related data was acquired Partial Maximum length PIM related data was acquired **Notes**: Address book entries containing only one name in the contact field are reported twice, e.g., an entry containing the name: "John" is reported as: "John John" Data populated onto the device using the Notes application was not acquired.

Test Case SPT-06 Cellebrite Version 1.1.8.6	
Results:	

Assertion & Expected Result	Actual Result
SPT-CA-07 Acquisition of address book entries.	Not as expected
SPT-CA-08 Acquisition of maximum length address book entries.	as expected
SPT-CA-09 Acquisition of address book entries containing special characters.	as expected
SPT-CA-10 Acquisition of address book entries containing a blank name entry.	as expected
SPT-CA-11 Acquisition of embedded email addresses within address book entries.	as expected
SPT-CA-12 Acquisition of embedded graphics within address book entries.	as expected
SPT-CA-13 Acquisition of PIM data (i.e., datebook/calendar, notes).	Not as expected
SPT-CA-14 Acquisition of maximum length PIM data.	as expected

Analysis:	Expected results partially achieved

5.2.143 SPT-07 (Motorola Tundra)

Test Case SPT-07 Cellebrite Version 1.1.8.6	
Case Summary:	SPT-07 Acquire mobile device internal memory and review reported call logs.
Assertions:	SPT-CA-15 If a cellular forensic tool completes acquisition of the target device without error, then call logs (incoming/outgoing/missed) shall be presented in a useable format. SPT-CA-16 If a cellular forensic tool completes acquisition of the target device without error, then the corresponding date/time stamps and the duration of the call for call logs shall be presented in a useable format.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Wed Jan 4 14:16:38 EST 2012
Device:	Motorola_Tundra
Source Setup:	OS: WIN XP v5.1.2600 Interface: cable
Log Highlights:	Created by Cellebrite Acquisition started: Wed Jan 4 14:16:38 EST 2012 Acquisition finished: Wed Jan 4 14:18:33 EST 2012 Incoming Calls were not acquired Outgoing Calls were not acquired Missed Calls were not acquired
Results:	

Assertion & Expected Result	Actual Result
SPT-CA-15 Acquisition of call logs.	Not as expected
SPT-CA-16 Acquisition of call log date/time stamps.	Not as expected

Analysis:	Expected results partially achieved

5.2.144 SPT-10 (Motorola Tundra)

Test Case SPT-10 Cellebrite Version 1.1.8.6	
Case Summary:	SPT-10 Acquire mobile device internal memory and review reported stand-alone multimedia data (i.e., audio, graphics, video).
Assertions:	SPT-CA-24 If a cellular forensic tool completes acquisition of the target device without error, then stand-alone audio files shall be presented in a

<table>
<tr><th colspan="2">Test Case SPT-10 Cellebrite Version 1.1.8.6</th></tr>
<tr><td></td><td>useable format via either an internal application or suggested third-party application.
SPT-CA-25 If a cellular forensic tool completes acquisition of the target device without error, then stand-alone graphic files shall be presented in a useable format via either an internal application or suggested third-party application.
SPT-CA-26 If a cellular forensic tool completes acquisition of the target device without error, then stand-alone video files shall be presented in a useable format via either an internal application or suggested third-party application.</td></tr>
<tr><td>Tester Name:</td><td>rpa</td></tr>
<tr><td>Test Host:</td><td>Morrisy</td></tr>
<tr><td>Test Date:</td><td>Wed Jan 4 14:24:15 EST 2012</td></tr>
<tr><td>Device:</td><td>Motorola_Tundra</td></tr>
<tr><td>Source Setup:</td><td>OS: WIN XP v5.1.2600
Interface: cable</td></tr>
<tr><td>Log Highlights:</td><td>Created by Cellebrite
Acquisition started: Wed Jan 4 14:24:15 EST 2012
Acquisition finished: Wed Jan 4 14:25:16 EST 2012

ALL stand-alone data files (Audio, Image, Video) were acquired</td></tr>
<tr><td>Results:</td><td>
<table>
<tr><th>Assertion & Expected Result</th><th>Actual Result</th></tr>
<tr><td>SPT-CA-24 Acquisition of stand-alone audio files.</td><td>as expected</td></tr>
<tr><td>SPT-CA-25 Acquisition of stand-alone graphic files.</td><td>as expected</td></tr>
<tr><td>SPT-CA-26 Acquisition of stand-alone video files.</td><td>as expected</td></tr>
</table>
</td></tr>
<tr><td>Analysis:</td><td>Expected results achieved</td></tr>
</table>

5.2.145 SPT-13 (Motorola Tundra)

<table>
<tr><th colspan="2">Test Case SPT-13 Cellebrite Version 1.1.8.6</th></tr>
<tr><td>Case Summary:</td><td>SPT-13 Acquire mobile device internal memory by selecting a combination of supported data elements.</td></tr>
<tr><td>Assertions:</td><td>SPT-CA-29 If a cellular forensic tool provides the user with an “Acquire All” device data objects acquisition option, then the tool shall complete the acquisition of all data objects without error.
SPT-CA-30 If a cellular forensic tool provides the user with an “Select All” individual device data objects, then the tool shall complete the acquisition of all individually selected data objects without error.
SPT-CA-31 If a cellular forensic tool provides the user with the ability to “Select Individual” device data objects for acquisition, then the tool shall acquire each exclusive data object without error.</td></tr>
<tr><td>Tester Name:</td><td>rpa</td></tr>
<tr><td>Test Host:</td><td>Morrisy</td></tr>
<tr><td>Test Date:</td><td>Wed Jan 4 14:25:45 EST 2012</td></tr>
<tr><td>Device:</td><td>Motorola_Tundra</td></tr>
<tr><td>Source Setup:</td><td>OS: WIN XP v5.1.2600
Interface: cable</td></tr>
<tr><td>Log Highlights:</td><td>Created by Cellebrite
Acquisition started: Wed Jan 4 14:25:45 EST 2012
Acquisition finished: Wed Jan 4 14:26:15 EST 2012

Select All acquisition was not successful

<u>Notes</u>:
When call log data is included as a data element to acquire, the acquisition ends in error.</td></tr>
</table>

Test Case SPT-13 Cellebrite Version 1.1.8.6	
Results:	

Assertion & Expected Result	Actual Result
SPT-CA-29 Acquire-All data objects acquisition.	Not as expected
SPT-CA-30 Select-All data objects acquisition.	Not as expected
SPT-CA-31 Select-Individual data objects acquisition.	Not as expected

Analysis:	Expected results not achieved

5.2.146 SPT-14 (Motorola Tundra)

Test Case SPT-14 Cellebrite Version 1.1.8.6	
Case Summary:	SPT-14 Acquire SIM memory over supported interfaces (e.g., PC/SC reader).
Assertions:	SPT-AO-01 If a cellular forensic tool provides support for connectivity of the target SIM, then the tool shall successfully recognize the target SIM via all tool-supported interfaces (e.g., PC/SC reader, proprietary reader, smart phone itself).
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Wed Jan 4 14:31:52 EST 2012
Device:	Motorola_Tundra
Source Setup:	OS: WIN XP v5.1.2600 Interface: SIM_Reader
Log Highlights:	Created by Cellebrite Acquisition started: Wed Jan 4 14:31:52 EST 2012 Acquisition finished: Wed Jan 4 14:38:24 EST 2012 Media connectivity was established via supported interface
Results:	

Assertion & Expected Result	Actual Result
SPT-AO-01 SIM connectivity via supported interfaces.	as expected

Analysis:	Expected results achieved

5.2.147 SPT-15 (Motorola Tundra)

Test Case SPT-15 Cellebrite Version 1.1.8.6	
Case Summary:	SPT-15 Attempt acquisition of a nonsupported SIM.
Assertions:	SPT-AO-02 If a cellular forensic tool attempts to connect to a nonsupported SIM, then the tool shall notify the user that the SIM is not supported.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Wed Jan 4 14:32:40 EST 2012
Device:	Motorola_Tundra
Source Setup:	OS: WIN XP v5.1.2600 Interface: SIM_Reader
Log Highlights:	Created by Cellebrite Acquisition started: Wed Jan 4 14:32:40 EST 2012 Acquisition finished: Wed Jan 4 14:38:39 EST 2012 Identification of nonsupported media was successful
Results:	

Assertion & Expected Result	Actual Result
SPT-AO-02 Identification of nonsupported SIM.	as expected

Test Case SPT-15 Cellebrite Version 1.1.8.6	
Analysis:	Expected results achieved

5.2.148 SPT-16 (Motorola Tundra)

Test Case SPT-16 Cellebrite Version 1.1.8.6	
Case Summary:	SPT-16 Begin SIM acquisition and interrupt connectivity by interface disengagement.
Assertions:	SPT-AO-03 If a cellular forensic tool loses connectivity with the SIM reader, then the tool shall notify the user that connectivity has been disrupted.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Wed Jan 4 14:33:07 EST 2012
Device:	Motorola_Tundra
Source Setup:	OS: WIN XP v5.1.2600 Interface: SIM_Reader
Log Highlights:	Created by Cellebrite Acquisition started: Wed Jan 4 14:33:07 EST 2012 Acquisition finished: Wed Jan 4 14:38:53 EST 2012 Media acquisition disruption notification was successful
Results:	

Assertion & Expected Result	Actual Result
SPT-AO-03 Notification of SIM acquisition disruption.	as expected

Analysis:	Expected results achieved

5.2.149 SPT-17 (Motorola Tundra)

Test Case SPT-17 Cellebrite Version 1.1.8.6	
Case Summary:	SPT-17 Acquire SIM memory and review reported subscriber and equipment-related information (i.e., SPN, ICCID, IMSI, MSISDN).
Assertions:	SPT-AO-04 If a cellular forensic tool completes acquisition of the target SIM without error, then the SPN shall be presented in a useable format. SPT-AO-05 If a cellular forensic tool completes acquisition of the target SIM without error, then the ICCID shall be presented in a useable format. SPT-AO-06 If a cellular forensic tool completes acquisition of the target SIM without error, then the IMSI shall be presented in a useable format. SPT-AO-07 If a cellular forensic tool completes acquisition of the target SIM without error, then the MSISDN shall be presented in a useable format.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Wed Jan 4 14:33:34 EST 2012
Device:	Motorola_Tundra
Source Setup:	OS: WIN XP v5.1.2600 Interface: SIM_Reader
Log Highlights:	Created by Cellebrite Acquisition started: Wed Jan 4 14:33:34 EST 2012 Acquisition finished: Wed Jan 4 14:39:09 EST 2012 All subscriber-related data (i.e., SPN, ICCID, IMSI, MSISDN) was acquired
Results:	

Assertion & Expected Result	Actual Result
SPT-AO-04 Acquisition of SPN.	as expected
SPT-AO-05 Acquisition of ICCID.	as expected

Test Case SPT-17 Cellebrite Version 1.1.8.6	
	SPT-AO-06 Acquisition of IMSI. — as expected SPT-AO-07 Acquisition of MSISDN. — as expected
Analysis:	Expected results achieved

5.2.150 SPT-18 (Motorola Tundra)

Test Case SPT-18 Cellebrite Version 1.1.8.6	
Case Summary:	SPT-18 Acquire SIM memory and review reported Abbreviated Dialing Numbers (ADN).
Assertions:	SPT-AO-08 If a cellular forensic tool completes acquisition of the target SIM without error, then ASCII Abbreviated Dialing Numbers (ADN) shall be presented in a useable format. SPT-AO-09 If a cellular forensic tool completes acquisition of the target SIM without error, then maximum length ADN shall be presented in a useable format. SPT-AO-10 If a cellular forensic tool completes acquisition of the SIM without error, then ADN containing special characters shall be presented in a useable format. SPT-AO-11 If a cellular forensic tool completes acquisition of the SIM without error, then ADN containing blank names shall be presented in a useable format.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Wed Jan 4 14:42:37 EST 2012
Device:	Motorola_Tundra
Source Setup:	OS: WIN XP v5.1.2600 Interface: SIM_Reader
Log Highlights:	Created by Cellebrite Acquisition started: Wed Jan 4 14:42:37 EST 2012 Acquisition finished: Wed Jan 4 14:48:40 EST 2012 All ADN were acquired
Results:	**Assertion & Expected Result** — **Actual Result** SPT-AO-08 Acquisition of ADN. — as expected SPT-AO-09 Acquisition of maximum length ADN. — as expected SPT-AO-10 Acquisition of special character ADN. — as expected SPT-AO-11 Acquisition of blank name ADN. — as expected
Analysis:	Expected results achieved

5.2.151 SPT-19 (Motorola Tundra)

Test Case SPT-19 Cellebrite Version 1.1.8.6	
Case Summary:	SPT-19 Acquire SIM memory and review reported Last Numbers Dialed (LND).
Assertions:	SPT-AO-12 If a cellular forensic tool completes acquisition of the target SIM without error, then Last Numbers Dialed (LND) shall be presented in a useable format. SPT-AO-13 If a cellular forensic tool completes acquisition of the target SIM without error, then the corresponding date/time stamps for LNDs shall be presented in a useable format.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Wed Jan 4 14:43:07 EST 2012
Device:	Motorola_Tundra
Source	OS: WIN XP v5.1.2600

Test Case SPT-19 Cellebrite Version 1.1.8.6	
Setup:	Interface: SIM_Reader
Log Highlights:	Created by Cellebrite Acquisition started: Wed Jan 4 14:43:07 EST 2012 Acquisition finished: Wed Jan 4 14:48:53 EST 2012 LNDs were acquired Date/Time Stamps correctly reported for LNDs
Results:	

Assertion & Expected Result	Actual Result
SPT-AO-12 Acquisition of LNDs.	as expected
SPT-AO-13 Acquisition of LND date/time stamps.	as expected

Analysis:	Expected results achieved

5.2.152 SPT-20 (Motorola Tundra)

Test Case SPT-20 Cellebrite Version 1.1.8.6	
Case Summary:	SPT-20 Acquire SIM memory and review reported text messages (SMS, EMS).
Assertions:	SPT-AO-14 If a cellular forensic tool completes acquisition of the target SIM without error, then ASCII SMS text messages shall be presented in a useable format. SPT-AO-15 If a cellular forensic tool completes acquisition of the target SIM without error, then ASCII EMS text messages shall be presented in a useable format. SPT-AO-16 If a cellular forensic tool completes acquisition of the target SIM without error, then the corresponding date/time stamps for all text messages shall be presented in a useable format. SPT-AO-17 If a cellular forensic tool completes acquisition of the target SIM without error, then the corresponding status (i.e., read, unread) for text messages shall be presented in a useable format. SPT-AO-18 If a cellular forensic tool completes acquisition of the target SIM without error, then the corresponding sender / recipient phone numbers for text messages shall be presented in a useable format.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Wed Jan 4 14:43:27 EST 2012
Device:	Motorola_Tundra
Source Setup:	OS: WIN XP v5.1.2600 Interface: SIM_Reader
Log Highlights:	Created by Cellebrite Acquisition started: Wed Jan 4 14:43:27 EST 2012 Acquisition finished: Wed Jan 4 14:49:13 EST 2012 ALL text messages (SMS, EMS) were acquired All date/time stamps were reported for text messages Correct status flags were reported for text messages Sender and Recipient phone numbers associated with text messages were correctly reported
Results:	

Assertion & Expected Result	Actual Result
SPT-AO-14 Acquisition of SMS messages.	as expected
SPT-AO-15 Acquisition of EMS messages.	as expected
SPT-AO-16 Acquisition of text message date/time stamps.	as expected
SPT-AO-17 Acquisition of text message status flags.	as expected
SPT-AO-18 Acquisition of sender/recipient phone number associated with text messages.	as expected

Analysis:	Expected results achieved

5.2.153 SPT-21 (Motorola Tundra)

Test Case SPT-21 Cellebrite Version 1.1.8.6	
Case Summary:	SPT-21 Acquire SIM memory and review recoverable deleted text messages (SMS, EMS).
Assertions:	SPT-AO-19 If the cellular forensic tool completes acquisition of the target SIM without error, then deleted text messages that have not been overwritten shall be presented in a useable format.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Wed Jan 4 14:43:58 EST 2012
Device:	Motorola_Tundra
Source Setup:	OS: WIN XP v5.1.2600 Interface: SIM_Reader
Log Highlights:	Created by Cellebrite Acquisition started: Wed Jan 4 14:43:58 EST 2012 Acquisition finished: Wed Jan 4 14:49:32 EST 2012 Deleted text message data was recovered
Results:	**Assertion & Expected Result** / **Actual Result** SPT-AO-19 Acquisition of non-overwritten deleted text messages. / as expected
Analysis:	Expected results achieved

5.2.154 SPT-22 (Motorola Tundra)

Test Case SPT-22 Cellebrite Version 1.1.8.6	
Case Summary:	SPT-22 Acquire SIM memory and review reported location-related data (i.e., LOCI, GPRSLOCI).
Assertions:	SPT-AO-20 If a cellular forensic tool completes acquisition of the target SIM without error, then location-related data (i.e., LOCI) shall be presented in a useable format. SPT-AO-21 If a cellular forensic tool completes acquisition of the target SIM without error, then location-related data (i.e., GRPSLOCI) shall be presented in a useable format.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Wed Jan 4 14:44:19 EST 2012
Device:	Motorola_Tundra
Source Setup:	OS: WIN XP v5.1.2600 Interface: SIM_Reader
Log Highlights:	Created by Cellebrite Acquisition started: Wed Jan 4 14:44:19 EST 2012 Acquisition finished: Wed Jan 4 14:49:50 EST 2012 LOCI data was acquired GPRSLOCI data was acquired
Results:	**Assertion & Expected Result** / **Actual Result** SPT-AO-20 Acquisition of LOCI information. / as expected SPT-AO-21 Acquisition of GPRSLOCI information. / as expected
Analysis:	Expected results achieved

5.2.155 SPT-23 (Motorola Tundra)

Test Case SPT-23 Cellebrite Version 1.1.8.6	
Case Summary:	SPT-23 Acquire SIM memory by selecting a combination of supported data elements.
Assertions:	SPT-AO-01 If a cellular forensic tool provides support for connectivity of the target SIM, then the tool shall successfully recognize the target SIM via all tool-supported interfaces (e.g., PC/SC reader, proprietary reader, smart phone itself). SPT-AO-22 If a cellular forensic tool provides the user with an “Acquire All” SIM data objects acquisition option, then the tool shall complete the acquisition of all data objects without error. SPT-AO-23 If a cellular forensic tool provides the user with an “Select All” individual SIM data objects, then the tool shall complete the acquisition of all individually selected data objects without error. SPT-AO-24 If a cellular forensic tool provides the user with the ability to “Select Individual” SIM data objects for acquisition, then the tool shall acquire each exclusive data object without error.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Wed Jan 4 14:44:42 EST 2012
Device:	Motorola_Tundra
Source Setup:	OS: WIN XP v5.1.2600 Interface: SIM_Reader
Log Highlights:	Created by Cellebrite Acquisition started: Wed Jan 4 14:44:42 EST 2012 Acquisition finished: Wed Jan 4 14:50:06 EST 2012 Acquire All acquisition was successful
Results:	

Assertion & Expected Result	**Actual Result**
SPT-AO-01 SIM connectivity via supported interfaces.	as expected
SPT-AO-22 Acquire-All data objects acquisition.	as expected
SPT-AO-23 Select-All data objects acquisition.	as expected
SPT-AO-24 Select-Individual data objects acquisition.	as expected

Analysis:	Expected results achieved

5.2.156 SPT-24 (Motorola Tundra)

Test Case SPT-24 Cellebrite Version 1.1.8.6	
Case Summary:	SPT-24 Acquire mobile device internal memory and review reported data via supported/generated report formats.
Assertions:	SPT-AO-25 If a cellular forensic tool completes acquisition of the target device without error, then the tool shall present the acquired data in a useable format via supported/generated report formats.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Thu Jan 5 07:08:26 EST 2012
Device:	Motorola_Tundra
Source Setup:	OS: WIN XP v5.1.2600 Interface: cable
Log Highlights:	Created by Cellebrite Acquisition started: Thu Jan 5 07:08:26 EST 2012 Acquisition finished: Thu Jan 5 07:37:21 EST 2012 Complete representation of known data via generated reports was successful

Test Case SPT-24 Cellebrite Version 1.1.8.6	
Results:	<table><tr><th>Assertion & Expected Result</th><th>Actual Result</th></tr><tr><td>SPT-AO-25 Comparison of known device data elements via generated reports.</td><td>as expected</td></tr></table>
Analysis:	Expected results achieved

5.2.157 SPT-25 (Motorola Tundra)

Test Case SPT-25 Cellebrite Version 1.1.8.6	
Case Summary:	SPT-25 Acquire mobile device internal memory and review reported data via the preview pane.
Assertions:	SPT-AO-26 If a cellular forensic tool completes acquisition of the target device without error, then the tool shall present the acquired data in a useable format in a preview pane view.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Thu Jan 5 07:14:39 EST 2012
Device:	Motorola_Tundra
Source Setup:	OS: WIN XP v5.1.2600 Interface: cable
Log Highlights:	Created by Cellebrite Acquisition started: Thu Jan 5 07:14:39 EST 2012 Acquisition finished: Thu Jan 5 07:37:37 EST 2012 Complete representation of known data via preview pane was successful
Results:	<table><tr><th>Assertion & Expected Result</th><th>Actual Result</th></tr><tr><td>SPT-AO-26 Comparison of known device data elements via preview pane.</td><td>as expected</td></tr></table>
Analysis:	Expected results achieved

5.2.158 SPT-26 (Motorola Tundra)

Test Case SPT-26 Cellebrite Version 1.1.8.6	
Case Summary:	SPT-26 Acquire SIM memory and review reported data via supported/generated report formats.
Assertions:	SPT-AO-25 If a cellular forensic tool completes acquisition of the SIM without error, then the tool shall present the acquired data in a useable format via supported/generated report formats.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Thu Jan 5 07:26:19 EST 2012
Device:	Motorola_Tundra
Source Setup:	OS: WIN XP v5.1.2600 Interface: SIM_Reader
Log Highlights:	Created by Cellebrite Acquisition started: Thu Jan 5 07:26:19 EST 2012 Acquisition finished: Thu Jan 5 07:38:12 EST 2012 Complete representation of known data via generated reports was successful
Results:	

Test Case SPT-26 Cellebrite Version 1.1.8.6	
	Assertion & Expected Result / **Actual Result** SPT-AO-25 Comparison of known device data elements via generated reports. / as expected
Analysis:	Expected results achieved

5.2.159 SPT-27 (Motorola Tundra)

Test Case SPT-27 Cellebrite Version 1.1.8.6	
Case Summary:	SPT-27 Acquire SIM memory and review reported data via the preview pane.
Assertions:	SPT-AO-26 If a cellular forensic tool completes acquisition of the SIM without error, then the tool shall present the acquired data in a useable format in a preview pane view.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Thu Jan 5 07:26:43 EST 2012
Device:	Motorola_Tundra
Source Setup:	OS: WIN XP v5.1.2600 Interface: SIM_Reader
Log Highlights:	Created by Cellebrite Acquisition started: Thu Jan 5 07:26:43 EST 2012 Acquisition finished: Thu Jan 5 07:38:28 EST 2012 Complete representation of known data via preview pane was successful
Results:	**Assertion & Expected Result** / **Actual Result** SPT-AO-26 Comparison of known device data elements via preview pane. / as expected
Analysis:	Expected results achieved

5.2.160 SPT-28 (Motorola Tundra)

Test Case SPT-28 Cellebrite Version 1.1.8.6	
Case Summary:	SPT-28 Attempt acquisition of a password-protected SIM.
Assertions:	SPT-AO-28 If the SIM is password-protected, then the cellular forensic tool shall provide the examiner with the opportunity to input the PIN before acquisition.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Thu Jan 5 07:39:30 EST 2012
Device:	Motorola_Tundra
Source Setup:	OS: WIN XP v5.1.2600 Interface: SIM_Reader
Log Highlights:	Created by Cellebrite Acquisition started: Thu Jan 5 07:39:30 EST 2012 Acquisition finished: Thu Jan 5 07:43:34 EST 2012 Ability to enter PIN on protected media before acquisition was successful
Results:	**Assertion & Expected Result** / **Actual Result** SPT-AO-28 Acquisition of password protected SIM. / as expected

Test Case SPT-28 Cellebrite Version 1.1.8.6	
Analysis:	Expected results achieved

5.2.161 SPT-29 (Motorola Tundra)

Test Case SPT-29 Cellebrite Version 1.1.8.6	
Case Summary:	SPT-29 After a successful mobile device internal memory, alter the case file via third-party means and attempt to reopen the case.
Assertions:	SPT-AO-27 If the case file or individual data objects are modified via third-party means, then the tool shall provide protection mechanisms disallowing or reporting data modification.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Thu Jan 5 07:40:04 EST 2012
Device:	Motorola_Tundra
Source Setup:	OS: WIN XP v5.1.2600 Interface: cable
Log Highlights:	Created by Cellebrite Acquisition started: Thu Jan 5 07:40:04 EST 2012 Acquisition finished: Thu Jan 5 07:43:48 EST 2012 Notification of modified device memory data was successful
Results:	**Assertion & Expected Result** / **Actual Result** SPT-AO-27 Notification of modified device case data. / as expected
Analysis:	Expected results achieved

5.2.162 SPT-30 (Motorola Tundra)

Test Case SPT-30 Cellebrite Version 1.1.8.6	
Case Summary:	SPT-30 After a successful SIM acquisition, alter the case file via third-party means and attempt to reopen the case.
Assertions:	SPT-AO-27 If the case file or individual data objects are modified via third-party means, then the tool shall provide protection mechanisms disallowing or reporting data modification.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Thu Jan 5 07:41:00 EST 2012
Device:	Motorola_Tundra
Source Setup:	OS: WIN XP v5.1.2600 Interface: SIM_Reader
Log Highlights:	Created by Cellebrite Acquisition started: Thu Jan 5 07:41:00 EST 2012 Acquisition finished: Thu Jan 5 07:44:31 EST 2012 Notification of modified SIM data was successful
Results:	**Assertion & Expected Result** / **Actual Result** SPT-AO-27 Notification of modified device case data. / as expected
Analysis:	Expected results achieved

5.2.163 SPT-34 (Motorola Tundra)

Test Case SPT-34 Cellebrite Version 1.1.8.6	
Case Summary:	SPT-34 Acquire SIM memory and review data containing non-ASCII characters.
Assertions:	SPT-AO-40 If the cellular forensic tool supports display of non-ASCII characters, then the application should present ADN in their native format. SPT-AO-41 If the cellular forensic tool supports proper display of non-ASCII characters, then the application should present text messages in their native format.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Thu Jan 5 07:48:33 EST 2012
Device:	Motorola_Tundra
Source Setup:	OS: WIN XP v5.1.2600 Interface: SIM_Reader
Log Highlights:	Created by Cellebrite Acquisition started: Thu Jan 5 07:48:33 EST 2012 Acquisition finished: Thu Jan 5 07:51:56 EST 2012 Non-ASCII ADN were acquired and properly displayed Non-ASCII text messages were acquired and properly displayed
Results:	

Assertion & Expected Result	**Actual Result**
SPT-AO-40 Acquisition of non-ASCII address book entries/ADN.	as expected
SPT-AO-41 Acquisition of non-ASCII text messages.	as expected

Analysis:	Expected results achieved

5.2.164 SPT-35 (Motorola Tundra)

Test Case SPT-35 Cellebrite Version 1.1.8.6	
Case Summary:	SPT-35 Begin acquisition on a PIN-protected SIM to determine if the tool provides an accurate count of the remaining number of PIN attempts and if the PIN attempts are decremented when entering an incorrect value.
Assertions:	SPT-AO-29 If a cellular forensic tool provides the examiner with the remaining number of authentication attempts, then the application should provide an accurate count of the remaining PIN attempts.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Thu Jan 5 07:53:11 EST 2012
Device:	Motorola_Tundra
Source Setup:	OS: WIN XP v5.1.2600 Interface: SIM_Reader
Log Highlights:	Created by Cellebrite Acquisition started: Thu Jan 5 07:53:11 EST 2012 Acquisition finished: Thu Jan 5 07:54:38 EST 2012 The remaining number of PIN attempts were properly displayed
Results:	

Assertion & Expected Result	**Actual Result**
SPT-AO-29 Display remaining number of PIN attempts.	as expected

Analysis:	Expected results achieved

5.2.165 SPT-36 (Motorola Tundra)

Test Case SPT-36 Cellebrite Version 1.1.8.6	
Case Summary:	SPT-36 Begin acquisition on a SIM whose PIN attempts have been exhausted to determine if the tool provides an accurate count of the remaining number of PUK attempts and if the PUK attempts are decremented when entering an incorrect value.
Assertions:	SPT-AO-30 If a cellular forensic tool provides the examiner with the remaining number of PUK attempts, then the application should provide an accurate count of the remaining PUK attempts.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Thu Jan 5 07:53:45 EST 2012
Device:	Motorola_Tundra
Source Setup:	OS: WIN XP v5.1.2600 Interface: SIM_Reader
Log Highlights:	Created by Cellebrite Acquisition started: Thu Jan 5 07:53:45 EST 2012 Acquisition finished: Thu Jan 5 07:54:53 EST 2012 Remaining number of PUK attempts were properly displayed
Results:	

Assertion & Expected Result	**Actual Result**
SPT-AO-30 Display remaining number of PUK attempts.	as expected

Analysis:	Expected results achieved

5.2.166 SPT-38 (Motorola Tundra)

Test Case SPT-38 Cellebrite Version 1.1.8.6	
Case Summary:	SPT-38 Acquire mobile device internal memory and review hash values for vendor-supported data objects.
Assertions:	SPT-AO-43 If the cellular forensic tool supports hashing for individual data objects, then the tool shall present the user with a hash value for each supported data object.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Thu Jan 5 07:55:24 EST 2012
Device:	Motorola_Tundra
Source Setup:	OS: WIN XP v5.1.2600 Interface: cable
Log Highlights:	Created by Cellebrite Acquisition started: Thu Jan 5 07:55:24 EST 2012 Acquisition finished: Thu Jan 5 08:02:30 EST 2012 Hash values were properly reported for individually acquired device data elements
Results:	

Assertion & Expected Result	**Actual Result**
SPT-AO-43 Acquire data, check known hash values for consistency.	as expected

Analysis:	Expected results achieved

5.2.167 SPT-39 (Motorola Tundra)

Test Case SPT-39 Cellebrite Version 1.1.8.6	
Case Summary:	SPT-39 Acquire SIM memory and review hash values for vendor-supported data objects.
Assertions:	SPT-AO-43 If the cellular forensic tool supports hashing for individual data objects, then the tool shall present the user with a hash value for each supported data object.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Thu Jan 5 07:55:49 EST 2012
Device:	Motorola_Tundra
Source Setup:	OS: WIN XP v5.1.2600 Interface: SIM_Reader
Log Highlights:	Created by Cellebrite Acquisition started: Thu Jan 5 07:55:49 EST 2012 Acquisition finished: Thu Jan 5 08:02:49 EST 2012 Hash values were properly reported for individually acquired SIM data elements
Results:	

Assertion & Expected Result	**Actual Result**
SPT-AO-43 Acquire data, check known hash values for consistency.	as expected

Analysis:	Expected results achieved

5.2.168 SPT-01 (iPhone4 CDMA)

Test Case SPT-01 Cellebrite Version 1.1.8.6	
Case Summary:	SPT-01 Acquire mobile device internal memory over tool-supported interfaces (e.g., cable, Bluetooth, IrDA).
Assertions:	SPT-CA-01 If a cellular forensic tool provides support for connectivity of the target device, then the tool shall successfully recognize the target device via all vendor-supported interfaces (e.g., cable, Bluetooth, IrDA). SPT-CA-04 If a cellular forensic tool completes acquisition of the target device without error, then the tool shall have the ability to present acquired data objects in a useable format via either a preview pane or generated report. SPT-CA-29 If a cellular forensic tool provides the user with an “Acquire All” device data objects acquisition option, then the tool shall complete the acquisition of all data objects without error. SPT-CA-30 If a cellular forensic tool provides the user with a “Select All” individual device data objects, then the tool shall complete the acquisition of all individually selected data objects without error. SPT-CA-31 If a cellular forensic tool provides the user with the ability to “Select Individual” device data objects for acquisition, then the tool shall acquire each exclusive data object without error. SPT-CA-32 If a cellular forensic tool completes two consecutive logical acquisitions of the target device without error, then the payload (data objects) on the mobile device shall remain consistent.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Fri Dec 30 08:19:23 EST 2011
Device:	iPhone4_CDMA
Source Setup:	OS: WIN XP v5.1.2600 Interface: cable
Log Highlights:	Created by Cellebrite Acquisition started: Fri Dec 30 08:19:23 EST 2011 Acquisition finished: Fri Dec 30 08:25:22 EST 2011

Test Case SPT-01 Cellebrite Version 1.1.8.6	
	Device connectivity was established via supported interface
Results:	

Assertion & Expected Result	Actual Result
SPT-CA-01 Device connectivity via supported interfaces.	as expected
SPT-CA-04 Readability and completeness of acquired data via supported reports.	as expected
SPT-CA-29 Acquire-All data objects acquisition.	as expected
SPT-CA-30 Select-All data objects acquisition.	as expected
SPT-CA-31 Select-Individual data objects acquisition.	as expected
SPT-CA-32 Perform back-to-back acquisitions, check device payload for modifications.	as expected

Analysis:	Expected results achieved

5.2.169 SPT-02 (iPhone4 CDMA)

Test Case SPT-02 Cellebrite Version 1.1.8.6	
Case Summary:	SPT-02 Attempt internal memory acquisition of a nonsupported mobile device.
Assertions:	SPT-CA-02 If a cellular forensic tool attempts to connect to a nonsupported device, then the tool shall notify the user that the device is not supported.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Fri Dec 30 08:28:38 EST 2011
Device:	unsupported_device
Source Setup:	OS: WIN XP v5.1.2600 Interface: cable
Log Highlights:	Created by Cellebrite Acquisition started: Fri Dec 30 08:28:38 EST 2011 Acquisition finished: Fri Dec 30 08:30:57 EST 2011 Identification of nonsupported devices was successful
Results:	

Assertion & Expected Result	Actual Result
SPT-CA-02 Identification of nonsupported devices.	as expected

Analysis:	Expected results achieved

5.2.170 SPT-03 (iPhone4 CDMA)

Test Case SPT-03 Cellebrite Version 1.1.8.6	
Case Summary:	SPT-03 Begin mobile device internal memory acquisition and interrupt connectivity by interface disengagement.
Assertions:	SPT-CA-03 If connectivity between the mobile device and cellular forensic tool is disrupted, then the tool shall notify the user that connectivity has been disrupted.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Fri Dec 30 08:31:24 EST 2011
Device:	iphone4_CDMA
Source Setup:	OS: WIN XP v5.1.2600 Interface: cable
Log	Created by Cellebrite

Test Case SPT-03 Cellebrite Version 1.1.8.6	
Highlights:	Acquisition started: Fri Dec 30 08:31:24 EST 2011 Acquisition finished: Fri Dec 30 08:36:27 EST 2011 Device acquisition disruption notification was successful
Results:	**Assertion & Expected Result** / **Actual Result** SPT-CA-03 Notification of device acquisition disruption. / as expected
Analysis:	Expected results achieved

5.2.171 SPT-04 (iPhone4 CDMA)

Test Case SPT-04 Cellebrite Version 1.1.8.6	
Case Summary:	SPT-04 Acquire mobile device internal memory and review reported data via the preview pane or generated reports for readability.
Assertions:	SPT-CA-04 If a cellular forensic tool completes acquisition of the target device without error, then the tool shall have the ability to present acquired data objects in a useable format via either a preview pane or generated report.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Fri Dec 30 08:37:06 EST 2011
Device:	iPhone4_CDMA
Source Setup:	OS: WIN XP v5.1.2600 Interface: cable
Log Highlights:	Created by Cellebrite Acquisition started: Fri Dec 30 08:37:06 EST 2011 Acquisition finished: Fri Dec 30 08:41:58 EST 2011 Readability and completeness of acquired data was successful
Results:	**Assertion & Expected Result** / **Actual Result** SPT-CA-04 Readability and completeness of acquired data via supported reports. / as expected
Analysis:	Expected results achieved

5.2.172 SPT-05 (iPhone4 CDMA)

Test Case SPT-05 Cellebrite Version 1.1.8.6	
Case Summary:	SPT-05 Acquire mobile device internal memory and review reported subscriber and equipment-related information (e.g., IMEI/MEID/ESN, MSISDN).
Assertions:	SPT-CA-05 If a cellular forensic tool completes acquisition of the target device without error, then subscriber-related information shall be presented in a useable format. SPT-CA-06 If a cellular forensic tool completes acquisition of the target device without error, then equipment-related information shall be presented in a useable format.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Fri Dec 30 08:42:41 EST 2011
Device:	iPhone4_CDMA
Source Setup:	OS: WIN XP v5.1.2600 Interface: cable
Log	Created by Cellebrite

Test Case SPT-05 Cellebrite Version 1.1.8.6	
Highlights:	Acquisition started: Fri Dec 30 08:42:41 EST 2011 Acquisition finished: Fri Dec 30 09:02:50 EST 2011 IMEI, MEID/ESN were acquired
Results:	

Assertion & Expected Result	Actual Result
SPT-CA-05 Acquisition of MSISDN, IMSI.	as expected
SPT-CA-06 Acquisition of IMEI/MEID/ESN.	as expected

Analysis:	Expected results achieved

5.2.173 SPT-06 (iPhone4 CDMA)

Test Case SPT-06 Cellebrite Version 1.1.8.6	
Case Summary:	SPT-06 Acquire mobile device internal memory and review reported PIM related data.
Assertions:	SPT-CA-07 If a cellular forensic tool completes acquisition of the target device without error, then address book entries shall be presented in a useable format. SPT-CA-08 If a cellular forensic tool completes acquisition of the target device without error, then maximum length address book entries shall be presented in a useable format. SPT-CA-09 If a cellular forensic tool completes acquisition of the target device without error, then address book entries containing special characters shall be presented in a useable format. SPT-CA-10 If a cellular forensic tool completes acquisition of the target device without error, then address book entries containing blank names shall be presented in a useable format. SPT-CA-11 If a cellular forensic tool completes acquisition of the target device without error, then email addresses associated with address book entries shall be presented in a useable format. SPT-CA-12 If a cellular forensic tool completes acquisition of the target device without error, then graphics associated with address book entries shall be presented in a useable format. SPT-CA-13 If a cellular forensic tool completes acquisition of the target device without error, then datebook, calendar, note entries shall be presented in a useable format. SPT-CA-14 If a cellular forensic tool completes acquisition of the target device without error, then maximum length datebook, calendar, note entries shall be presented in a useable format.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Fri Dec 30 09:16:09 EST 2011
Device:	iPhone4_CDMA
Source Setup:	OS: WIN XP v5.1.2600 Interface: cable
Log Highlights:	Created by Cellebrite Acquisition started: Fri Dec 30 09:16:09 EST 2011 Acquisition finished: Fri Dec 30 09:20:54 EST 2011 Regular Length Address Book entries were acquired Maximum Length Address Book entries were acquired Special Character Address Book entries were acquired Blank Name Address Book entries were acquired Email addresses within Address Book entries were acquired Embedded graphics within Address Book entries were not acquired ALL PIM related data was acquired
Results:	

Assertion & Expected Result	Actual Result
SPT-CA-07 Acquisition of address book entries.	as expected
SPT-CA-08 Acquisition of maximum length address book	as expected

Test Case SPT-06 Cellebrite Version 1.1.8.6	
	entries.
	SPT-CA-09 Acquisition of address book entries containing special characters. — as expected
	SPT-CA-10 Acquisition of address book entries containing a blank name entry. — as expected
	SPT-CA-11 Acquisition of embedded email addresses within address book entries. — as expected
	SPT-CA-12 Acquisition of embedded graphics within address book entries. — Not as expected
	SPT-CA-13 Acquisition of PIM data (i.e., datebook/calendar, notes). — as expected
	SPT-CA-14 Acquisition of maximum length PIM data. — as expected
Analysis:	Expected results partially achieved

5.2.174 SPT-07 (iPhone4 CDMA)

Test Case SPT-07 Cellebrite Version 1.1.8.6	
Case Summary:	SPT-07 Acquire mobile device internal memory and review reported call logs.
Assertions:	SPT-CA-15 If a cellular forensic tool completes acquisition of the target device without error, then call logs (incoming/outgoing/missed) shall be presented in a useable format. SPT-CA-16 If a cellular forensic tool completes acquisition of the target device without error, then the corresponding date/time stamps and the duration of the call for call logs shall be presented in a useable format.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Fri Dec 30 09:24:06 EST 2011
Device:	iPhone4_CDMA
Source Setup:	OS: WIN XP v5.1.2600 Interface: cable
Log Highlights:	Created by Cellebrite Acquisition started: Fri Dec 30 09:24:06 EST 2011 Acquisition finished: Fri Dec 30 09:26:38 EST 2011 All Call Logs (incoming, outgoing, missed) were acquired All Call Log date/time stamps data were correctly reported
Results:	**Assertion & Expected Result** — **Actual Result** SPT-CA-15 Acquisition of call logs. — as expected SPT-CA-16 Acquisition of call log date/time stamps. — as expected
Analysis:	Expected results achieved

5.2.175 SPT-08 (iPhone4 CDMA)

Test Case SPT-08 Cellebrite Version 1.1.8.6	
Case Summary:	SPT-08 Acquire mobile device internal memory and review reported text messages.
Assertions:	SPT-CA-17 If a cellular forensic tool completes acquisition of the target device without error, then ASCII text messages (i.e., SMS, EMS) shall be presented in a useable format. SPT-CA-18 If a cellular forensic tool completes acquisition of the target device without error, then the corresponding date/time stamps for text messages shall be presented in a useable format. SPT-CA-19 If a cellular forensic tool completes acquisition of the target device without error, then the corresponding status (i.e., read, unread) for text messages shall be presented in a useable format. SPT-CA-20 If a cellular forensic tool completes acquisition of the target

Test Case SPT-08 Cellebrite Version 1.1.8.6	
	device without error, then the corresponding sender / recipient phone numbers for text messages shall be presented in a useable format.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Fri Dec 30 09:28:01 EST 2011
Device:	iPhone4_CDMA
Source Setup:	OS: WIN XP v5.1.2600 Interface: cable
Log Highlights:	Created by Cellebrite Acquisition started: Fri Dec 30 09:28:01 EST 2011 Acquisition finished: Fri Dec 30 09:32:33 EST 2011 ALL text messages (SMS, EMS) were acquired Correct date/time stamps were reported for all text messages Correct status flags were reported for all text messages Sender and Recipient phone numbers associated with text messages were correctly reported
Results:	

Assertion & Expected Result	Actual Result
SPT-CA-17 Acquisition of text messages.	as expected
SPT-CA-18 Acquisition of text message date/time stamps.	as expected
SPT-CA-19 Acquisition of text message status flags.	as expected
SPT-CA-20 Acquisition of sender/recipient phone number associated with text messages.	as expected

Analysis:	Expected results achieved

5.2.176 SPT-09 (iPhone4 CDMA)

Test Case SPT-09 Cellebrite Version 1.1.8.6	
Case Summary:	SPT-09 Acquire mobile device internal memory and review reported MMS multimedia related data (i.e., text, audio, graphics, video).
Assertions:	SPT-CA-21 If a cellular forensic tool completes acquisition of the target device without error, then MMS messages and associated audio shall be presented in a useable format. SPT-CA-22 If a cellular forensic tool completes acquisition of the target device without error, then MMS messages and associated graphic files shall be presented in a useable format. SPT-CA-23 If a cellular forensic tool completes acquisition of the target device without error, then MMS messages and associated video shall be presented in a useable format.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Fri Dec 30 09:33:18 EST 2011
Device:	iPhone4_CDMA
Source Setup:	OS: WIN XP v5.1.2600 Interface: cable
Log Highlights:	Created by Cellebrite Acquisition started: Fri Dec 30 09:33:18 EST 2011 Acquisition finished: Fri Dec 30 09:36:37 EST 2011 ALL MMS messages (Audio, Image, Video) were acquired
Results:	

Assertion & Expected Result	Actual Result
SPT-CA-21 Acquisition of audio MMS messages.	as expected
SPT-CA-22 Acquisition of graphic data image MMS messages.	as expected

Test Case SPT-09 Cellebrite Version 1.1.8.6		
	SPT-CA-23 Acquisition of video MMS messages.	as expected
Analysis:	Expected results achieved	

5.2.177 SPT-10 (iPhone4 CDMA)

Test Case SPT-10 Cellebrite Version 1.1.8.6	
Case Summary:	SPT-10 Acquire mobile device internal memory and review reported stand-alone multimedia data (i.e., audio, graphics, video).
Assertions:	SPT-CA-24 If a cellular forensic tool completes acquisition of the target device without error, then stand-alone audio files shall be presented in a useable format via either an internal application or suggested third-party application. SPT-CA-25 If a cellular forensic tool completes acquisition of the target device without error, then stand-alone graphic files shall be presented in a useable format via either an internal application or suggested third-party application. SPT-CA-26 If a cellular forensic tool completes acquisition of the target device without error, then stand-alone video files shall be presented in a useable format via either an internal application or suggested third-party application.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Fri Dec 30 09:37:04 EST 2011
Device:	iPhone4_CDMA
Source Setup:	OS: WIN XP v5.1.2600 Interface: cable
Log Highlights:	Created by Cellebrite Acquisition started: Fri Dec 30 09:37:04 EST 2011 Acquisition finished: Fri Dec 30 10:03:41 EST 2011 ALL stand-alone data files (Audio, Image, Video) were acquired
Results:	**Assertion & Expected Result** / **Actual Result** SPT-CA-24 Acquisition of stand-alone audio files. — as expected SPT-CA-25 Acquisition of stand-alone graphic files. — as expected SPT-CA-26 Acquisition of stand-alone video files. — as expected
Analysis:	Expected results achieved

5.2.178 SPT-12 (iPhone4 CDMA)

Test Case SPT-12 Cellebrite Version 1.1.8.6	
Case Summary:	SPT-12 Acquire mobile device internal memory and review Internet related data (i.e., bookmarks, visited sites.
Assertions:	SPT-CA-28 If a cellular forensic tool completes acquisition of the target device without error, then Internet related data (i.e., bookmarks, visited sites) cached to the device shall be acquired and presented in a useable format.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Fri Dec 30 10:06:17 EST 2011
Device:	iPhone4_CDMA
Source Setup:	OS: WIN XP v5.1.2600 Interface: cable
Log Highlights:	Created by Cellebrite Acquisition started: Fri Dec 30 10:06:17 EST 2011

Test Case SPT-12 Cellebrite Version 1.1.8.6	
	Acquisition finished: Fri Dec 30 10:14:18 EST 2011 All Internet related data was acquired
Results:	<table><tr><th>Assertion & Expected Result</th><th>Actual Result</th></tr><tr><td>SPT-CA-28 Acquisition of Internet related data.</td><td>as expected</td></tr></table>
Analysis:	Expected results achieved

5.2.179 SPT-13 (iPhone4 CDMA)

Test Case SPT-13 Cellebrite Version 1.1.8.6	
Case Summary:	SPT-13 Acquire mobile device internal memory by selecting a combination of supported data elements.
Assertions:	SPT-CA-29 If a cellular forensic tool provides the user with an “Acquire All” device data objects acquisition option, then the tool shall complete the acquisition of all data objects without error. SPT-CA-30 If a cellular forensic tool provides the user with an “Select All” individual device data objects, then the tool shall complete the acquisition of all individually selected data objects without error. SPT-CA-31 If a cellular forensic tool provides the user with the ability to “Select Individual” device data objects for acquisition, then the tool shall acquire each exclusive data object without error.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Fri Dec 30 10:15:13 EST 2011
Device:	iPhone4_CDMA
Source Setup:	OS: WIN XP v5.1.2600 Interface: cable
Log Highlights:	Created by Cellebrite Acquisition started: Fri Dec 30 10:15:13 EST 2011 Acquisition finished: Fri Dec 30 10:20:06 EST 2011 Acquire All acquisition was successful Select All acquisition was successful Individual data element acquisition was successful
Results:	<table><tr><th>Assertion & Expected Result</th><th>Actual Result</th></tr><tr><td>SPT-CA-29 Acquire-All data objects acquisition.</td><td>as expected</td></tr><tr><td>SPT-CA-30 Select-All data objects acquisition.</td><td>as expected</td></tr><tr><td>SPT-CA-31 Select-Individual data objects acquisition.</td><td>as expected</td></tr></table>
Analysis:	Expected results achieved

5.2.180 SPT-24 (iPhone4 CDMA)

Test Case SPT-24 Cellebrite Version 1.1.8.6	
Case Summary:	SPT-24 Acquire mobile device internal memory and review reported data via supported/generated report formats.
Assertions:	SPT-AO-25 If a cellular forensic tool completes acquisition of the target device without error, then the tool shall present the acquired data in a useable format via supported/generated report formats.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Fri Dec 30 10:22:03 EST 2011
Device:	iPhone4_CDMA
Source	OS: WIN XP v5.1.2600

Test Case SPT-24 Cellebrite Version 1.1.8.6	
Setup:	Interface: cable
Log Highlights:	Created by Cellebrite Acquisition started: Fri Dec 30 10:22:03 EST 2011 Acquisition finished: Fri Dec 30 10:27:18 EST 2011 Complete representation of known data via generated reports was successful
Results:	**Assertion & Expected Result** / **Actual Result** SPT-AO-25 Comparison of known device data elements via generated reports. / as expected
Analysis:	Expected results achieved

5.2.181 SPT-25 (iPhone4 CDMA)

Test Case SPT-25 Cellebrite Version 1.1.8.6	
Case Summary:	SPT-25 Acquire mobile device internal memory and review reported data via the preview pane.
Assertions:	SPT-AO-26 If a cellular forensic tool completes acquisition of the target device without error, then the tool shall present the acquired data in a useable format in a preview pane view.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Fri Dec 30 10:22:25 EST 2011
Device:	iPhone4_CDMA
Source Setup:	OS: WIN XP v5.1.2600 Interface: cable
Log Highlights:	Created by Cellebrite Acquisition started: Fri Dec 30 10:22:25 EST 2011 Acquisition finished: Fri Dec 30 10:27:28 EST 2011 Complete representation of known data via preview pane was successful
Results:	**Assertion & Expected Result** / **Actual Result** SPT-AO-26 Comparison of known device data elements via preview pane. / as expected
Analysis:	Expected results achieved

5.2.182 SPT-29 (iPhone4 CDMA)

Test Case SPT-29 Cellebrite Version 1.1.8.6	
Case Summary:	SPT-29 After a successful mobile device internal memory, alter the case file via third-party means and attempt to reopen the case.
Assertions:	SPT-AO-27 If the case file or individual data objects are modified via third-party means, then the tool shall provide protection mechanisms disallowing or reporting data modification.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Fri Dec 30 10:28:14 EST 2011
Device:	iPhone4_CDMA
Source Setup:	OS: WIN XP v5.1.2600 Interface: cable

Test Case SPT-29 Cellebrite Version 1.1.8.6	
Log Highlights:	Created by Cellebrite Acquisition started: Fri Dec 30 10:28:14 EST 2011 Acquisition finished: Fri Dec 30 10:30:03 EST 2011 Notification of modified device memory data was successful
Results:	

Assertion & Expected Result	Actual Result
SPT-AO-27 Notification of modified device case data.	as expected

Analysis:	Expected results achieved

5.2.183 SPT-31 (iPhone4 CDMA)

Test Case SPT-31 Cellebrite Version 1.1.8.6	
Case Summary:	SPT-31 Perform a physical acquisition and review data output for readability.
Assertions:	SPT-AO-31 If the cellular forensic tool supports a physical acquisition of the target device, then the tool shall complete the acquisition without error.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Fri Dec 30 10:51:27 EST 2011
Device:	iPhone4_CDMA
Source Setup:	OS: WIN XP v5.1.2600 Interface: cable
Log Highlights:	Created by Cellebrite Acquisition started: Fri Dec 30 10:51:27 EST 2011 Acquisition finished: Fri Dec 30 10:56:24 EST 2011 Physical Acquisition: readability and completeness was successful
Results:	

Assertion & Expected Result	Actual Result
SPT-AO-31 Physical acquisition, data is presented in a useable format.	as expected

Analysis:	Expected results achieved

5.2.184 SPT-32 (iPhone4 CDMA)

Test Case SPT-32 Cellebrite Version 1.1.8.6	
Case Summary:	SPT-32 Perform a physical acquisition and review reports for recoverable deleted data.
Assertions:	SPT-AO-32 If the cellular forensic tool supports the interpretation of address book entries present on the target device, then the tool shall report recoverable active and deleted data or address book data remnants in a useable format. SPT-AO-33 If the cellular forensic tool supports the interpretation of calendar, tasks, or notes present on the target device, then the tool shall report recoverable active and deleted calendar, tasks, or note data remnants in a useable format. SPT-AO-34 If the cellular forensic tool supports the interpretation of call logs present on the target device, then the tool shall report recoverable active and deleted call or call log data remnants in a useable format. SPT-AO-35 If the cellular forensic tool supports the interpretation of SMS messages present on the target device, then the tool shall report recoverable active and deleted SMS messages or SMS message data remnants in a useable format. SPT-AO-36 If the cellular forensic tool supports the interpretation of EMS

Test Case SPT-32 Cellebrite Version 1.1.8.6	
	messages present on the target device, then the tool shall report recoverable active and deleted EMS messages or EMS message data remnants in a useable format.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Thu Dec 30 11:06:22 EST 2011
Device:	iPhone4_CDMA
Source Setup:	OS: WIN XP v5.1.2600 Interface: cable
Log Highlights:	Created by Cellebrite Acquisition started: Thu Dec 30 11:06:22 EST 2011 Acquisition finished: Thu Dec 30 11:36:34 EST 2011 Deleted address book entries were recovered Deleted PIM data was recovered Deleted Call log data was recovered Deleted text message data was recovered Deleted audio data was not recovered - NA Deleted graphic data was not recovered - NA Deleted video data was not recovered – NA **Notes:** Deleted notes are located in notes.sqlite and viewable using the Cellebrite's Hex View.
Results:	

Assertion & Expected Result	Actual Result
SPT-AO-32 Physical acquisition, recovery of deleted address book entries.	as expected
SPT-AO-33 Physical acquisition, recovery of deleted PIM data.	as expected
SPT-AO-34 Physical acquisition, recovery of deleted call logs.	as expected
SPT-AO-35 Physical acquisition, recovery of deleted SMS messages.	as expected
SPT-AO-36 Physical acquisition, recovery of deleted EMS messages.	as expected

Analysis:	Expected results achieved

5.2.185 SPT-33 (iPhone4 CDMA)

Test Case SPT-33 Cellebrite Version 1.1.8.6	
Case Summary:	SPT-33 Acquire mobile device internal memory and review data containing non-ASCII characters.
Assertions:	SPT-AO-40 If the cellular forensic tool supports display of non-ASCII characters, then the application should present address book entries in their native format. SPT-AO-41 If the cellular forensic tool supports proper display of non-ASCII characters, then the application should present text messages in their native format.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Fri Dec 30 10:30:52 EST 2011
Device:	iPhone4_CDMA
Source Setup:	OS: WIN XP v5.1.2600 Interface: cable
Log Highlights:	Created by Cellebrite Acquisition started: Fri Dec 30 10:30:52 EST 2011 Acquisition finished: Fri Dec 30 10:38:22 EST 2011

Test Case SPT-33 Cellebrite Version 1.1.8.6	
	Non-ASCII Address book entries were acquired and properly displayed Non-ASCII text messages were acquired and properly displayed
Results:	**Assertion & Expected Result** / **Actual Result** SPT-AO-40 Acquisition of non-ASCII address book entries/ADN. — as expected SPT-AO-41 Acquisition of non-ASCII text messages. — as expected
Analysis:	Expected results achieved

5.2.186 SPT-38 (iPhone4 CDMA)

Test Case SPT-38 Cellebrite Version 1.1.8.6	
Case Summary:	SPT-38 Acquire mobile device internal memory and review hash values for vendor-supported data objects.
Assertions:	SPT-AO-43 If the cellular forensic tool supports hashing for individual data objects, then the tool shall present the user with a hash value for each supported data object.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Fri Dec 30 10:39:53 EST 2011
Device:	iPhone4_CDMA
Source Setup:	OS: WIN XP v5.1.2600 Interface: cable
Log Highlights:	Created by Cellebrite Acquisition started: Fri Dec 30 10:39:53 EST 2011 Acquisition finished: Fri Dec 30 10:50:05 EST 2011 Hash values were properly reported for individually acquired device data elements
Results:	**Assertion & Expected Result** / **Actual Result** SPT-AO-43 Acquire data, check known hash values for consistency. — as expected
Analysis:	Expected results achieved

5.2.187 SPT-40 (iPhone4 CDMA)

Test Case SPT-40 Cellebrite Version 1.1.8.6	
Case Summary:	SPT-40 Acquire mobile device internal memory and review data containing GPS longitude and latitude coordinates.
Assertions:	SPT-AO-44 If the cellular forensic tool supports acquisition of GPS data, then the tool shall present the user with the longitude and latitude coordinates for all GPS-related data in a useable format.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Fri Dec 30 10:51:48 EST 2011
Device:	iPhone4_CDMA
Source Setup:	OS: WIN XP v5.1.2600 Interface: cable
Log Highlights:	Created by Cellebrite Acquisition started: Fri Dec 30 10:51:48 EST 2011

Test Case SPT-40 Cellebrite Version 1.1.8.6	
	Acquisition finished: Fri Dec 30 10:53:15 EST 2011 GPS Coordinate data was successfully acquired
Results:	<table><tr><th>Assertion & Expected Result</th><th>Actual Result</th></tr><tr><td>SPT-AO-44 Acquire data, check GPS data for consistency.</td><td>as expected</td></tr></table>
Analysis:	Expected results achieved

5.2.188 SPT-01 (HTC Thunderbolt)

Test Case SPT-01 Cellebrite Version 1.1.8.6	
Case Summary:	SPT-01 Acquire mobile device internal memory over tool-supported interfaces (e.g., cable, Bluetooth, IrDA).
Assertions:	SPT-CA-01 If a cellular forensic tool provides support for connectivity of the target device, then the tool shall successfully recognize the target device via all vendor-supported interfaces (e.g., cable, Bluetooth, IrDA). SPT-CA-04 If a cellular forensic tool completes acquisition of the target device without error, then the tool shall have the ability to present acquired data objects in a useable format via either a preview pane or generated report. SPT-CA-29 If a cellular forensic tool provides the user with an “Acquire All” device data objects acquisition option, then the tool shall complete the acquisition of all data objects without error. SPT-CA-30 If a cellular forensic tool provides the user with a “Select All” individual device data objects, then the tool shall complete the acquisition of all individually selected data objects without error. SPT-CA-31 If a cellular forensic tool provides the user with the ability to “Select Individual” device data objects for acquisition, then the tool shall acquire each exclusive data object without error. SPT-CA-32 If a cellular forensic tool completes two consecutive logical acquisitions of the target device without error, then the payload (data objects) on the mobile device shall remain consistent.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Thu Jan 5 08:52:05 EST 2012
Device:	HTC_Thunderbolt
Source Setup:	OS: WIN XP v5.1.2600 Interface: cable
Log Highlights:	Created by Cellebrite Acquisition started: Thu Jan 5 08:52:05 EST 2012 Acquisition finished: Thu Jan 5 09:01:40 EST 2012 Device connectivity was established via supported interface
Results:	<table><tr><th>Assertion & Expected Result</th><th>Actual Result</th></tr><tr><td>SPT-CA-01 Device connectivity via supported interfaces.</td><td>as expected</td></tr><tr><td>SPT-CA-04 Readability and completeness of acquired data via supported reports.</td><td>as expected</td></tr><tr><td>SPT-CA-29 Acquire-All data objects acquisition.</td><td>as expected</td></tr><tr><td>SPT-CA-30 Select-All data objects acquisition.</td><td>as expected</td></tr><tr><td>SPT-CA-31 Select-Individual data objects acquisition.</td><td>as expected</td></tr><tr><td>SPT-CA-32 Perform back-to-back acquisitions, check device payload for modifications.</td><td>as expected</td></tr></table>
Analysis:	Expected results achieved

5.2.189 SPT-02 (HTC Thunderbolt)

Test Case SPT-02 Cellebrite Version 1.1.8.6	
Case Summary:	SPT-02 Attempt internal memory acquisition of a nonsupported mobile device.
Assertions:	SPT-CA-02 If a cellular forensic tool attempts to connect to a nonsupported device, then the tool shall notify the user that the device is not supported.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Thu Jan 5 09:02:05 EST 2012
Device:	unsupported_device
Source Setup:	OS: WIN XP v5.1.2600 Interface: cable
Log Highlights:	Created by Cellebrite Acquisition started: Thu Jan 5 09:02:05 EST 2012 Acquisition finished: Thu Jan 5 09:06:03 EST 2012 Identification of nonsupported devices was successful
Results:	**Assertion & Expected Result** / **Actual Result** SPT-CA-02 Identification of nonsupported devices. / as expected
Analysis:	Expected results achieved

5.2.190 SPT-03 (HTC Thunderbolt)

Test Case SPT-03 Cellebrite Version 1.1.8.6	
Case Summary:	SPT-03 Begin mobile device internal memory acquisition and interrupt connectivity by interface disengagement.
Assertions:	SPT-CA-03 If connectivity between the mobile device and cellular forensic tool is disrupted, then the tool shall notify the user that connectivity has been disrupted.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Thu Jan 5 09:06:41 EST 2012
Device:	HTC_Thunderbolt
Source Setup:	OS: WIN XP v5.1.2600 Interface: cable
Log Highlights:	Created by Cellebrite Acquisition started: Thu Jan 5 09:06:41 EST 2012 Acquisition finished: Thu Jan 5 09:09:30 EST 2012 Device acquisition disruption notification was successful
Results:	**Assertion & Expected Result** / **Actual Result** SPT-CA-03 Notification of device acquisition disruption. / as expected
Analysis:	Expected results achieved

5.2.191 SPT-04 (HTC Thunderbolt)

Test Case SPT-04 Cellebrite Version 1.1.8.6	
Case Summary:	SPT-04 Acquire mobile device internal memory and review reported data via the preview pane or generated reports for readability.
Assertions:	SPT-CA-04 If a cellular forensic tool completes acquisition of the target device without error, then the tool shall have the ability to present

Test Case SPT-04 Cellebrite Version 1.1.8.6	
	acquired data objects in a useable format via either a preview pane or generated report.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Thu Jan 5 09:09:54 EST 2012
Device:	HTC_Thunderbolt
Source Setup:	OS: WIN XP v5.1.2600 Interface: cable
Log Highlights:	Created by Cellebrite Acquisition started: Thu Jan 5 09:09:54 EST 2012 Acquisition finished: Thu Jan 5 09:23:04 EST 2012 Readability and completeness of acquired data was successful
Results:	**Assertion & Expected Result** / **Actual Result** SPT-CA-04 Readability and completeness of acquired data via supported reports. / as expected
Analysis:	Expected results achieved

5.2.192 SPT-05 (HTC Thunderbolt)

Test Case SPT-05 Cellebrite Version 1.1.8.6	
Case Summary:	SPT-05 Acquire mobile device internal memory and review reported subscriber and equipment-related information (e.g., IMEI/MEID/ESN, MSISDN).
Assertions:	SPT-CA-05 If a cellular forensic tool completes acquisition of the target device without error, then subscriber-related information shall be presented in a useable format. SPT-CA-06 If a cellular forensic tool completes acquisition of the target device without error, then equipment-related information shall be presented in a useable format.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Thu Jan 5 09:23:54 EST 2012
Device:	HTC_Thunderbolt
Source Setup:	OS: WIN XP v5.1.2600 Interface: cable
Log Highlights:	Created by Cellebrite Acquisition started: Thu Jan 5 09:23:54 EST 2012 Acquisition finished: Thu Jan 5 09:25:41 EST 2012 IMEI, MEID/ESN were acquired
Results:	**Assertion & Expected Result** / **Actual Result** SPT-CA-05 Acquisition of MSISDN, IMSI. / as expected SPT-CA-06 Acquisition of IMEI/MEID/ESN. / as expected
Analysis:	Expected results achieved

5.2.193 SPT-06 (HTC Thunderbolt)

Test Case SPT-06 Cellebrite Version 1.1.8.6	
Case Summary:	SPT-06 Acquire mobile device internal memory and review reported PIM related data.

Test Case SPT-06 Cellebrite Version 1.1.8.6	
Assertions:	SPT-CA-07 If a cellular forensic tool completes acquisition of the target device without error, then address book entries shall be presented in a useable format. SPT-CA-08 If a cellular forensic tool completes acquisition of the target device without error, then maximum length address book entries shall be presented in a useable format. SPT-CA-09 If a cellular forensic tool completes acquisition of the target device without error, then address book entries containing special characters shall be presented in a useable format. SPT-CA-10 If a cellular forensic tool completes acquisition of the target device without error, then address book entries containing blank names shall be presented in a useable format. SPT-CA-11 If a cellular forensic tool completes acquisition of the target device without error, then email addresses associated with address book entries shall be presented in a useable format. SPT-CA-12 If a cellular forensic tool completes acquisition of the target device without error, then graphics associated with address book entries shall be presented in a useable format. SPT-CA-13 If a cellular forensic tool completes acquisition of the target device without error, then datebook, calendar, note entries shall be presented in a useable format. SPT-CA-14 If a cellular forensic tool completes acquisition of the target device without error, then maximum length datebook, calendar, note entries shall be presented in a useable format.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Thu Jan 5 09:47:28 EST 2012
Device:	HTC_Thunderbolt
Source Setup:	OS: WIN XP v5.1.2600 Interface: cable
Log Highlights:	Created by Cellebrite Acquisition started: Thu Jan 5 09:47:28 EST 2012 Acquisition finished: Thu Jan 5 13:01:39 EST 2012 Regular Length Address Book entries were acquired Maximum Length Address Book entries were acquired Special Character Address Book entries were acquired Blank Name Address Book entries were acquired Email addresses within Address Book entries were acquired Embedded graphics within Address Book entries were not acquired ALL PIM related data was acquired
Results:	

Assertion & Expected Result	**Actual Result**
SPT-CA-07 Acquisition of address book entries.	as expected
SPT-CA-08 Acquisition of maximum length address book entries.	as expected
SPT-CA-09 Acquisition of address book entries containing special characters.	as expected
SPT-CA-10 Acquisition of address book entries containing a blank name entry.	as expected
SPT-CA-11 Acquisition of embedded email addresses within address book entries.	as expected
SPT-CA-12 Acquisition of embedded graphics within address book entries.	Not as expected
SPT-CA-13 Acquisition of PIM data (i.e., datebook/calendar, notes).	as expected
SPT-CA-14 Acquisition of maximum length PIM data.	as expected

Analysis:	Expected results partially achieved

5.2.194 SPT-07 (HTC Thunderbolt)

<table>
<tr><th colspan="2">Test Case SPT-07 Cellebrite Version 1.1.8.6</th></tr>
<tr><td>Case Summary:</td><td>SPT-07 Acquire mobile device internal memory and review reported call logs.</td></tr>
<tr><td>Assertions:</td><td>SPT-CA-15 If a cellular forensic tool completes acquisition of the target device without error, then call logs (incoming/outgoing/missed) shall be presented in a useable format.
SPT-CA-16 If a cellular forensic tool completes acquisition of the target device without error, then the corresponding date/time stamps and the duration of the call for call logs shall be presented in a useable format.</td></tr>
<tr><td>Tester Name:</td><td>rpa</td></tr>
<tr><td>Test Host:</td><td>Morrisy</td></tr>
<tr><td>Test Date:</td><td>Thu Jan 5 13:05:56 EST 2012</td></tr>
<tr><td>Device:</td><td>HTC_Thunderbolt</td></tr>
<tr><td>Source Setup:</td><td>OS: WIN XP v5.1.2600
Interface: cable</td></tr>
<tr><td>Log Highlights:</td><td>Created by Cellebrite
Acquisition started: Thu Jan 5 13:05:56 EST 2012
Acquisition finished: Thu Jan 5 13:11:26 EST 2012

All Call Logs (incoming, outgoing, missed) were acquired
All Call Log date/time stamps data were correctly reported</td></tr>
<tr><td>Results:</td><td>
<table>
<tr><th>Assertion & Expected Result</th><th>Actual Result</th></tr>
<tr><td>SPT-CA-15 Acquisition of call logs.</td><td>as expected</td></tr>
<tr><td>SPT-CA-16 Acquisition of call log date/time stamps.</td><td>as expected</td></tr>
</table>
</td></tr>
<tr><td>Analysis:</td><td>Expected results achieved</td></tr>
</table>

5.2.195 SPT-08 (HTC Thunderbolt)

<table>
<tr><th colspan="2">Test Case SPT-08 Cellebrite Version 1.1.8.6</th></tr>
<tr><td>Case Summary:</td><td>SPT-08 Acquire mobile device internal memory and review reported text messages.</td></tr>
<tr><td>Assertions:</td><td>SPT-CA-17 If a cellular forensic tool completes acquisition of the target device without error, then ASCII text messages (i.e., SMS, EMS) shall be presented in a useable format.
SPT-CA-18 If a cellular forensic tool completes acquisition of the target device without error, then the corresponding date/time stamps for text messages shall be presented in a useable format.
SPT-CA-19 If a cellular forensic tool completes acquisition of the target device without error, then the corresponding status (i.e., read, unread) for text messages shall be presented in a useable format.
SPT-CA-20 If a cellular forensic tool completes acquisition of the target device without error, then the corresponding sender / recipient phone numbers for text messages shall be presented in a useable format.</td></tr>
<tr><td>Tester Name:</td><td>rpa</td></tr>
<tr><td>Test Host:</td><td>Morrisy</td></tr>
<tr><td>Test Date:</td><td>Thu Jan 5 13:12:04 EST 2012</td></tr>
<tr><td>Device:</td><td>HTC_Thunderbolt</td></tr>
<tr><td>Source Setup:</td><td>OS: WIN XP v5.1.2600
Interface: cable</td></tr>
<tr><td>Log Highlights:</td><td>Created by Cellebrite
Acquisition started: Thu Jan 5 13:12:04 EST 2012
Acquisition finished: Thu Jan 5 13:14:24 EST 2012

ALL text messages (SMS, EMS) were acquired
Correct date/time stamps were reported for all text messages
Correct status flags were reported for all text messages
Sender and Recipient phone numbers associated with text messages were correctly reported</td></tr>
</table>

Test Case SPT-08 Cellebrite Version 1.1.8.6	
Results:	

Assertion & Expected Result	Actual Result
SPT-CA-17 Acquisition of text messages.	as expected
SPT-CA-18 Acquisition of text message date/time stamps.	as expected
SPT-CA-19 Acquisition of text message status flags.	as expected
SPT-CA-20 Acquisition of sender/recipient phone number associated with text messages.	as expected

Analysis:	Expected results achieved

5.2.196 SPT-09 (HTC Thunderbolt)

Test Case SPT-09 Cellebrite Version 1.1.8.6	
Case Summary:	SPT-09 Acquire mobile device internal memory and review reported MMS multimedia related data (i.e., text, audio, graphics, video).
Assertions:	SPT-CA-21 If a cellular forensic tool completes acquisition of the target device without error, then MMS messages and associated audio shall be presented in a useable format. SPT-CA-22 If a cellular forensic tool completes acquisition of the target device without error, then MMS messages and associated graphic files shall be presented in a useable format. SPT-CA-23 If a cellular forensic tool completes acquisition of the target device without error, then MMS messages and associated video shall be presented in a useable format.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Thu Jan 5 13:15:01 EST 2012
Device:	HTC_Thunderbolt
Source Setup:	OS: WIN XP v5.1.2600 Interface: cable
Log Highlights:	Created by Cellebrite Acquisition started: Thu Jan 5 13:15:01 EST 2012 Acquisition finished: Thu Jan 5 13:21:18 EST 2012 Partial audio MMS messages were acquired Partial image MMS messages were acquired Partial video MMS messages were acquired **Notes**: The textual portion of MMS messages were not acquired.
Results:	

Assertion & Expected Result	Actual Result
SPT-CA-21 Acquisition of audio MMS messages.	Not as expected
SPT-CA-22 Acquisition of graphic data image MMS messages.	Not as expected
SPT-CA-23 Acquisition of video MMS messages.	Not as expected

Analysis:	Expected results partially achieved

5.2.197 SPT-10 (HTC Thunderbolt)

Test Case SPT-10 Cellebrite Version 1.1.8.6	
Case Summary:	SPT-10 Acquire mobile device internal memory and review reported stand-alone multimedia data (i.e., audio, graphics, video).
Assertions:	SPT-CA-24 If a cellular forensic tool completes acquisition of the target device without error, then stand-alone audio files shall be presented in a

Test Case SPT-10 Cellebrite Version 1.1.8.6	
	useable format via either an internal application or suggested third-party application. SPT-CA-25 If a cellular forensic tool completes acquisition of the target device without error, then stand-alone graphic files shall be presented in a useable format via either an internal application or suggested third-party application. SPT-CA-26 If a cellular forensic tool completes acquisition of the target device without error, then stand-alone video files shall be presented in a useable format via either an internal application or suggested third-party application.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Thu Jan 5 14:06:58 EST 2012
Device:	HTC_Thunderbolt
Source Setup:	OS: WIN XP v5.1.2600 Interface: cable
Log Highlights:	Created by Cellebrite Acquisition started: Thu Jan 5 14:06:58 EST 2012 Acquisition finished: Thu Jan 5 14:12:16 EST 2012 ALL stand-alone data files (Audio, Image, Video) were acquired
Results:	

Assertion & Expected Result	Actual Result
SPT-CA-24 Acquisition of stand-alone audio files.	as expected
SPT-CA-25 Acquisition of stand-alone graphic files.	as expected
SPT-CA-26 Acquisition of stand-alone video files.	as expected

Analysis:	Expected results achieved

5.2.198 SPT-13 (HTC Thunderbolt)

Test Case SPT-13 Cellebrite Version 1.1.8.6	
Case Summary:	SPT-13 Acquire mobile device internal memory by selecting a combination of supported data elements.
Assertions:	SPT-CA-29 If a cellular forensic tool provides the user with an “Acquire All” device data objects acquisition option, then the tool shall complete the acquisition of all data objects without error. SPT-CA-30 If a cellular forensic tool provides the user with an “Select All” individual device data objects, then the tool shall complete the acquisition of all individually selected data objects without error. SPT-CA-31 If a cellular forensic tool provides the user with the ability to “Select Individual” device data objects for acquisition, then the tool shall acquire each exclusive data object without error.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Thu Jan 5 14:15:35 EST 2012
Device:	HTC_Thunderbolt
Source Setup:	OS: WIN XP v5.1.2600 Interface: cable
Log Highlights:	Created by Cellebrite Acquisition started: Thu Jan 5 14:15:35 EST 2012 Acquisition finished: Thu Jan 5 14:18:19 EST 2012 Acquire All acquisition was successful
Results:	

Assertion & Expected Result	Actual Result
SPT-CA-29 Acquire-All data objects acquisition.	as expected
SPT-CA-30 Select-All data objects acquisition.	as expected

Test Case SPT-13 Cellebrite Version 1.1.8.6	
	SPT-CA-31 Select-Individual data objects acquisition. | as expected
Analysis:	Expected results achieved

5.2.199 SPT-24 (HTC Thunderbolt)

Test Case SPT-24 Cellebrite Version 1.1.8.6	
Case Summary:	SPT-24 Acquire mobile device internal memory and review reported data via supported/generated report formats.
Assertions:	SPT-AO-25 If a cellular forensic tool completes acquisition of the target device without error, then the tool shall present the acquired data in a useable format via supported/generated report formats.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Fri Jan 6 07:12:07 EST 2012
Device:	HTC_Thunderbolt
Source Setup:	OS: WIN XP v5.1.2600 Interface: cable
Log Highlights:	Created by Cellebrite Acquisition started: Fri Jan 6 07:12:07 EST 2012 Acquisition finished: Fri Jan 6 07:13:43 EST 2012 Complete representation of known data via generated reports was successful
Results:	**Assertion & Expected Result** | **Actual Result** SPT-AO-25 Comparison of known device data elements via generated reports. | as expected
Analysis:	Expected results achieved

5.2.200 SPT-25 (HTC Thunderbolt)

Test Case SPT-25 Cellebrite Version 1.1.8.6	
Case Summary:	SPT-25 Acquire mobile device internal memory and review reported data via the preview pane.
Assertions:	SPT-AO-26 If a cellular forensic tool completes acquisition of the target device without error, then the tool shall present the acquired data in a useable format in a preview pane view.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Fri Jan 6 07:12:37 EST 2012
Device:	HTC_Thunderbolt
Source Setup:	OS: WIN XP v5.1.2600 Interface: cable
Log Highlights:	Created by Cellebrite Acquisition started: Fri Jan 6 07:12:37 EST 2012 Acquisition finished: Fri Jan 6 07:13:57 EST 2012 Complete representation of known data via preview pane was successful
Results:	**Assertion & Expected Result** | **Actual Result** SPT-AO-26 Comparison of known device data elements via preview pane. | as expected

Test Case SPT-25 Cellebrite Version 1.1.8.6	
Analysis:	Expected results achieved

5.2.201 SPT-29 (HTC Thunderbolt)

Test Case SPT-29 Cellebrite Version 1.1.8.6	
Case Summary:	SPT-29 After a successful mobile device internal memory, alter the case file via third-party means and attempt to reopen the case.
Assertions:	SPT-AO-27 If the case file or individual data objects are modified via third-party means, then the tool shall provide protection mechanisms disallowing or reporting data modification.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Fri Jan 6 07:15:15 EST 2012
Device:	HTC_Thunderbolt
Source Setup:	OS: WIN XP v5.1.2600 Interface: cable
Log Highlights:	Created by Cellebrite Acquisition started: Fri Jan 6 07:15:15 EST 2012 Acquisition finished: Fri Jan 6 07:16:58 EST 2012 Notification of modified device memory data was successful
Results:	**Assertion & Expected Result** / **Actual Result** SPT-AO-27 Notification of modified device case data. / as expected
Analysis:	Expected results achieved

5.2.202 SPT-33 (HTC Thunderbolt)

Test Case SPT-33 Cellebrite Version 1.1.8.6	
Case Summary:	SPT-33 Acquire mobile device internal memory and review data containing non-ASCII characters.
Assertions:	SPT-AO-40 If the cellular forensic tool supports display of non-ASCII characters, then the application should present address book entries in their native format. SPT-AO-41 If the cellular forensic tool supports proper display of non-ASCII characters, then the application should present text messages in their native format.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Fri Jan 6 07:47:57 EST 2012
Device:	HTC_Thunderbolt
Source Setup:	OS: WIN XP v5.1.2600 Interface: cable
Log Highlights:	Created by Cellebrite Acquisition started: Fri Jan 6 07:47:57 EST 2012 Acquisition finished: Fri Jan 6 08:21:45 EST 2012 Non-ASCII Address book entries were acquired and properly displayed Non-ASCII text messages were acquired and properly displayed
Results:	**Assertion & Expected Result** / **Actual Result** SPT-AO-40 Acquisition of non-ASCII address book entries/ADN. / as expected SPT-AO-41 Acquisition of non-ASCII text messages. / as expected

Test Case SPT-33 Cellebrite Version 1.1.8.6	
Analysis:	Expected results achieved

5.2.203 SPT-38 (HTC Thunderbolt)

Test Case SPT-38 Cellebrite Version 1.1.8.6	
Case Summary:	SPT-38 Acquire mobile device internal memory and review hash values for vendor-supported data objects.
Assertions:	SPT-AO-43 If the cellular forensic tool supports hashing for individual data objects, then the tool shall present the user with a hash value for each supported data object.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Fri Jan 6 08:23:03 EST 2012
Device:	HTC_Thunderbolt
Source Setup:	OS: WIN XP v5.1.2600 Interface: cable
Log Highlights:	Created by Cellebrite Acquisition started: Fri Jan 6 08:23:03 EST 2012 Acquisition finished: Fri Jan 6 08:26:36 EST 2012 Hash values were properly reported for individually acquired device data elements
Results:	**Assertion & Expected Result** / **Actual Result** SPT-AO-43 Acquire data, check known hash values for consistency. / as expected
Analysis:	Expected results achieved

5.2.204 SPT-01 (Palm Pre2)

Test Case SPT-01 Cellebrite Version 1.1.8.6	
Case Summary:	SPT-01 Acquire mobile device internal memory over tool-supported interfaces (e.g., cable, Bluetooth, IrDA).
Assertions:	SPT-CA-01 If a cellular forensic tool provides support for connectivity of the target device, then the tool shall successfully recognize the target device via all vendor-supported interfaces (e.g., cable, Bluetooth, IrDA). SPT-CA-04 If a cellular forensic tool completes acquisition of the target device without error, then the tool shall have the ability to present acquired data objects in a useable format via either a preview pane or generated report. SPT-CA-29 If a cellular forensic tool provides the user with an “Acquire All” device data objects acquisition option, then the tool shall complete the acquisition of all data objects without error. SPT-CA-30 If a cellular forensic tool provides the user with a “Select All” individual device data objects, then the tool shall complete the acquisition of all individually selected data objects without error. SPT-CA-31 If a cellular forensic tool provides the user with the ability to “Select Individual” device data objects for acquisition, then the tool shall acquire each exclusive data object without error. SPT-CA-32 If a cellular forensic tool completes two consecutive logical acquisitions of the target device without error, then the payload (data objects) on the mobile device shall remain consistent.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Thu Jan 19 12:16:00 EST 2012

Test Case SPT-01 Cellebrite Version 1.1.8.6	
Device:	Palm_Pre2
Source Setup:	OS: WIN XP v5.1.2600 Interface: cable
Log Highlights:	Created by Cellebrite Acquisition started: Thu Jan 19 12:16:00 EST 2012 Acquisition finished: Thu Jan 19 12:17:00 EST 2012 Device connectivity was established via supported interface
Results:	

Assertion & Expected Result	Actual Result
SPT-CA-01 Device connectivity via supported interfaces.	as expected
SPT-CA-04 Readability and completeness of acquired data via supported reports.	as expected
SPT-CA-29 Acquire-All data objects acquisition.	as expected
SPT-CA-30 Select-All data objects acquisition.	as expected
SPT-CA-31 Select-Individual data objects acquisition.	as expected
SPT-CA-32 Perform back-to-back acquisitions, check device payload for modifications.	as expected

Analysis:	Expected results achieved

5.2.205 SPT-02 (Palm Pre2)

Test Case SPT-02 Cellebrite Version 1.1.8.6	
Case Summary:	SPT-02 Attempt internal memory acquisition of a nonsupported mobile device.
Assertions:	SPT-CA-02 If a cellular forensic tool attempts to connect to a nonsupported device, then the tool shall notify the user that the device is not supported.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Thu Jan 19 12:17:32 EST 2012
Device:	unsupported_device
Source Setup:	OS: WIN XP v5.1.2600 Interface: cable
Log Highlights:	Created by Cellebrite Acquisition started: Thu Jan 19 12:17:32 EST 2012 Acquisition finished: Thu Jan 19 12:28:46 EST 2012 Identification of nonsupported devices was successful
Results:	

Assertion & Expected Result	Actual Result
SPT-CA-02 Identification of nonsupported devices.	as expected

Analysis:	Expected results achieved

5.2.206 SPT-03 (Palm Pre2)

Test Case SPT-03 Cellebrite Version 1.1.8.6	
Case Summary:	SPT-03 Begin mobile device internal memory acquisition and interrupt connectivity by interface disengagement.
Assertions:	SPT-CA-03 If connectivity between the mobile device and cellular forensic tool is disrupted, then the tool shall notify the user that connectivity has been disrupted.
Tester Name:	rpa

Test Case SPT-03 Cellebrite Version 1.1.8.6	
Test Host:	Morrisy
Test Date:	Thu Jan 19 12:29:53 EST 2012
Device:	Palm_Pre2
Source Setup:	OS: WIN XP v5.1.2600 Interface: cable
Log Highlights:	Created by Cellebrite Acquisition started: Thu Jan 19 12:29:53 EST 2012 Acquisition finished: Thu Jan 19 12:41:07 EST 2012 Device acquisition disruption notification was not successful
Results:	

Assertion & Expected Result	Actual Result
SPT-CA-03 Notification of device acquisition disruption.	Not as expected

Analysis:	Expected results not achieved

5.2.207 SPT-04 (Palm Pre2)

Test Case SPT-04 Cellebrite Version 1.1.8.6	
Case Summary:	SPT-04 Acquire mobile device internal memory and review reported data via the preview pane or generated reports for readability.
Assertions:	SPT-CA-04 If a cellular forensic tool completes acquisition of the target device without error, then the tool shall have the ability to present acquired data objects in a useable format via either a preview pane or generated report.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Thu Jan 19 12:41:41 EST 2012
Device:	Palm_Pre2
Source Setup:	OS: WIN XP v5.1.2600 Interface: cable
Log Highlights:	Created by Cellebrite Acquisition started: Thu Jan 19 12:41:41 EST 2012 Acquisition finished: Thu Jan 19 12:48:45 EST 2012 Readability and completeness of acquired data was successful
Results:	

Assertion & Expected Result	Actual Result
SPT-CA-04 Readability and completeness of acquired data via supported reports.	as expected

Analysis:	Expected results achieved

5.2.208 SPT-05 (Palm Pre2)

Test Case SPT-05 Cellebrite Version 1.1.8.6	
Case Summary:	SPT-05 Acquire mobile device internal memory and review reported subscriber and equipment-related information (e.g., IMEI/MEID/ESN, MSISDN).
Assertions:	SPT-CA-05 If a cellular forensic tool completes acquisition of the target device without error, then subscriber-related information shall be presented in a useable format. SPT-CA-06 If a cellular forensic tool completes acquisition of the target device without error, then equipment-related information shall be presented in a useable format.

Test Case SPT-05 Cellebrite Version 1.1.8.6	
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Thu Jan 19 12:56:16 EST 2012
Device:	Palm_Pre2
Source Setup:	OS: WIN XP v5.1.2600 Interface: cable
Log Highlights:	Created by Cellebrite Acquisition started: Thu Jan 19 12:56:16 EST 2012 Acquisition finished: Thu Jan 19 12:58:04 EST 2012 MEID was not acquired
Results:	

Assertion & Expected Result	Actual Result
SPT-CA-05 Acquisition of MSISDN, IMSI.	as expected
SPT-CA-06 Acquisition of IMEI/MEID/ESN.	Not as expected

Analysis:	Expected results partially achieved

5.2.209 SPT-06 (Palm Pre2)

Test Case SPT-06 Cellebrite Version 1.1.8.6	
Case Summary:	SPT-06 Acquire mobile device internal memory and review reported PIM related data.
Assertions:	SPT-CA-07 If a cellular forensic tool completes acquisition of the target device without error, then address book entries shall be presented in a useable format. SPT-CA-08 If a cellular forensic tool completes acquisition of the target device without error, then maximum length address book entries shall be presented in a useable format. SPT-CA-09 If a cellular forensic tool completes acquisition of the target device without error, then address book entries containing special characters shall be presented in a useable format. SPT-CA-10 If a cellular forensic tool completes acquisition of the target device without error, then address book entries containing blank names shall be presented in a useable format. SPT-CA-11 If a cellular forensic tool completes acquisition of the target device without error, then email addresses associated with address book entries shall be presented in a useable format. SPT-CA-12 If a cellular forensic tool completes acquisition of the target device without error, then graphics associated with address book entries shall be presented in a useable format. SPT-CA-13 If a cellular forensic tool completes acquisition of the target device without error, then datebook, calendar, note entries shall be presented in a useable format. SPT-CA-14 If a cellular forensic tool completes acquisition of the target device without error, then maximum length datebook, calendar, note entries shall be presented in a useable format.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Thu Jan 19 12:59:07 EST 2012
Device:	Palm_Pre2
Source Setup:	OS: WIN XP v5.1.2600 Interface: bluetooth
Log Highlights:	Created by Cellebrite Acquisition started: Thu Jan 19 12:59:07 EST 2012 Acquisition finished: Thu Jan 19 13:06:56 EST 2012 Regular Length Address Book entries were partially acquired Maximum Length Address Book entries were truncated Special Character Address Book entries were acquired Blank Name Address Book entries were acquired Email addresses within Address Book entries were not acquired

<table>
<tr><td colspan="2">Test Case SPT-06 Cellebrite Version 1.1.8.6</td></tr>
<tr><td></td><td>Embedded graphics within Address Book entries were not acquired
PIM related data was not acquired - NA

<u>Notes</u>:
The first and last name for address book entries are only reported for entries that contain a first, middle and last name.

Maximum length address book entries are truncated. A maximum of 54 characters are dispayed.</td></tr>
<tr><td>Results:</td><td>
<table>
<tr><th>Assertion & Expected Result</th><th>Actual Result</th></tr>
<tr><td>SPT-CA-07 Acquisition of address book entries.</td><td>Not as expected</td></tr>
<tr><td>SPT-CA-08 Acquisition of maximum length address book entries.</td><td>Not as expected</td></tr>
<tr><td>SPT-CA-09 Acquisition of address book entries containing special characters.</td><td>as expected</td></tr>
<tr><td>SPT-CA-10 Acquisition of address book entries containing a blank name entry.</td><td>as expected</td></tr>
<tr><td>SPT-CA-11 Acquisition of embedded email addresses within address book entries.</td><td>Not as expected</td></tr>
<tr><td>SPT-CA-12 Acquisition of embedded graphics within address book entries.</td><td>Not as expected</td></tr>
<tr><td>SPT-CA-13 Acquisition of PIM data (i.e., datebook/calendar, notes).</td><td>as expected</td></tr>
<tr><td>SPT-CA-14 Acquisition of maximum length PIM data.</td><td>as expected</td></tr>
</table>
</td></tr>
<tr><td>Analysis:</td><td>Expected results partially achieved</td></tr>
</table>

5.2.210 SPT-09 (Palm Pre2)

Test Case SPT-09 Cellebrite Version 1.1.8.6	
Case Summary:	SPT-09 Acquire mobile device internal memory and review reported MMS multimedia related data (i.e., text, audio, graphics, video).
Assertions:	SPT-CA-21 If a cellular forensic tool completes acquisition of the target device without error, then MMS messages and associated audio shall be presented in a useable format. SPT-CA-22 If a cellular forensic tool completes acquisition of the target device without error, then MMS messages and associated graphic files shall be presented in a useable format. SPT-CA-23 If a cellular forensic tool completes acquisition of the target device without error, then MMS messages and associated video shall be presented in a useable format.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Thu Jan 19 13:25:38 EST 2012
Device:	Palm_Pre2
Source Setup:	OS: WIN XP v5.1.2600 Interface: cable
Log Highlights:	Created by Cellebrite Acquisition started: Thu Jan 19 13:25:38 EST 2012 Acquisition finished: Thu Jan 19 13:29:59 EST 2012 Partial audio MMS messages were acquired Partial image MMS messages were acquired Partial video MMS messages were acquired <u>Notes</u>: Acquisition of the textual portion of MMS messages is not supported.
Results:	

Test Case SPT-09 Cellebrite Version 1.1.8.6	
	Assertion & Expected Result / **Actual Result** SPT-CA-21 Acquisition of audio MMS messages. / as expected SPT-CA-22 Acquisition of graphic data image MMS messages. / as expected SPT-CA-23 Acquisition of video MMS messages. / as expected
Analysis:	Expected results achieved

5.2.211 SPT-10 (Palm Pre2)

Test Case SPT-10 Cellebrite Version 1.1.8.6	
Case Summary:	SPT-10 Acquire mobile device internal memory and review reported stand-alone multimedia data (i.e., audio, graphics, video).
Assertions:	SPT-CA-24 If a cellular forensic tool completes acquisition of the target device without error, then stand-alone audio files shall be presented in a useable format via either an internal application or suggested third-party application. SPT-CA-25 If a cellular forensic tool completes acquisition of the target device without error, then stand-alone graphic files shall be presented in a useable format via either an internal application or suggested third-party application. SPT-CA-26 If a cellular forensic tool completes acquisition of the target device without error, then stand-alone video files shall be presented in a useable format via either an internal application or suggested third-party application.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Thu Jan 19 13:31:14 EST 2012
Device:	Palm_Pre2
Source Setup:	OS: WIN XP v5.1.2600 Interface: cable
Log Highlights:	Created by Cellebrite Acquisition started: Thu Jan 19 13:31:14 EST 2012 Acquisition finished: Thu Jan 19 13:33:18 EST 2012 ALL stand-alone data files (Audio, Image, Video) were acquired
Results:	**Assertion & Expected Result** / **Actual Result** SPT-CA-24 Acquisition of stand-alone audio files. / as expected SPT-CA-25 Acquisition of stand-alone graphic files. / as expected SPT-CA-26 Acquisition of stand-alone video files. / as expected
Analysis:	Expected results achieved

5.2.212 SPT-13 (Palm Pre2)

Test Case SPT-13 Cellebrite Version 1.1.8.6	
Case Summary:	SPT-13 Acquire mobile device internal memory by selecting a combination of supported data elements.
Assertions:	SPT-CA-29 If a cellular forensic tool provides the user with an “Acquire All” device data objects acquisition option, then the tool shall complete the acquisition of all data objects without error. SPT-CA-30 If a cellular forensic tool provides the user with an “Select All” individual device data objects, then the tool shall complete the acquisition of all individually selected data objects without error. SPT-CA-31 If a cellular forensic tool provides the user with the ability to “Select Individual” device data objects for acquisition, then the tool shall acquire each exclusive data object without error.

Test Case SPT-13 Cellebrite Version 1.1.8.6	
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Thu Jan 19 13:34:52 EST 2012
Device:	Palm_Pre2
Source Setup:	OS: WIN XP v5.1.2600 Interface: cable
Log Highlights:	Created by Cellebrite Acquisition started: Thu Jan 19 13:34:52 EST 2012 Acquisition finished: Thu Jan 19 13:35:49 EST 2012 Individual data element acquisition was successful
Results:	

Assertion & Expected Result	Actual Result
SPT-CA-29 Acquire-All data objects acquisition.	as expected
SPT-CA-30 Select-All data objects acquisition.	as expected
SPT-CA-31 Select-Individual data objects acquisition.	as expected

Analysis:	Expected results achieved

5.2.213 SPT-24 (Palm Pre2)

Test Case SPT-24 Cellebrite Version 1.1.8.6	
Case Summary:	SPT-24 Acquire mobile device internal memory and review reported data via supported/generated report formats.
Assertions:	SPT-AO-25 If a cellular forensic tool completes acquisition of the target device without error, then the tool shall present the acquired data in a useable format via supported/generated report formats.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Thu Jan 19 13:40:13 EST 2012
Device:	Palm_Pre2
Source Setup:	OS: WIN XP v5.1.2600 Interface: cable
Log Highlights:	Created by Cellebrite Acquisition started: Thu Jan 19 13:40:13 EST 2012 Acquisition finished: Thu Jan 19 13:44:38 EST 2012 Complete representation of known data via generated reports was successful
Results:	

Assertion & Expected Result	Actual Result
SPT-AO-25 Comparison of known device data elements via generated reports.	as expected

Analysis:	Expected results achieved

5.2.214 SPT-25 (Palm Pre2)

Test Case SPT-25 Cellebrite Version 1.1.8.6	
Case Summary:	SPT-25 Acquire mobile device internal memory and review reported data via the preview pane.
Assertions:	SPT-AO-26 If a cellular forensic tool completes acquisition of the target device without error, then the tool shall present the acquired data in a useable format in a preview pane view.
Tester Name:	rpa

Test Case SPT-25 Cellebrite Version 1.1.8.6	
Test Host:	Morrisy
Test Date:	Thu Jan 19 13:45:16 EST 2012
Device:	Palm_Pre2
Source Setup:	OS: WIN XP v5.1.2600 Interface: cable
Log Highlights:	Created by Cellebrite Acquisition started: Thu Jan 19 13:45:16 EST 2012 Acquisition finished: Thu Jan 19 13:46:36 EST 2012 Complete representation of known data via preview pane was successful
Results:	**Assertion & Expected Result** / **Actual Result** SPT-AO-26 Comparison of known device data elements via preview pane. / as expected
Analysis:	Expected results achieved

5.2.215 SPT-29 (Palm Pre2)

Test Case SPT-29 Cellebrite Version 1.1.8.6	
Case Summary:	SPT-29 After a successful mobile device internal memory, alter the case file via third-party means and attempt to reopen the case.
Assertions:	SPT-AO-27 If the case file or individual data objects are modified via third-party means, then the tool shall provide protection mechanisms disallowing or reporting data modification.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Thu Jan 19 13:47:16 EST 2012
Device:	Palm_Pre2
Source Setup:	OS: WIN XP v5.1.2600 Interface: cable
Log Highlights:	Created by Cellebrite Acquisition started: Thu Jan 19 13:47:16 EST 2012 Acquisition finished: Thu Jan 19 13:50:19 EST 2012 Notification of modified device memory data was successful
Results:	**Assertion & Expected Result** / **Actual Result** SPT-AO-27 Notification of modified device case data. / as expected
Analysis:	Expected results achieved

5.2.216 SPT-33 (Palm Pre2)

Test Case SPT-33 Cellebrite Version 1.1.8.6	
Case Summary:	SPT-33 Acquire mobile device internal memory and review data containing non-ASCII characters.
Assertions:	SPT-AO-40 If the cellular forensic tool supports display of non-ASCII characters, then the application should present address book entries in their native format. SPT-AO-41 If the cellular forensic tool supports proper display of non-ASCII characters, then the application should present text messages in their native format.
Tester Name:	rpa
Test Host:	Morrisy

Test Case SPT-33 Cellebrite Version 1.1.8.6	
Test Date:	Thu Jan 19 13:52:47 EST 2012
Device:	Palm_Pre2
Source Setup:	OS: WIN XP v5.1.2600 Interface: cable
Log Highlights:	Created by Cellebrite Acquisition started: Thu Jan 19 13:52:47 EST 2012 Acquisition finished: Thu Jan 19 13:57:27 EST 2012 Non-ASCII Address book entries were acquired and properly displayed Non-ASCII text messages were not acquired - NA
Results:	

Assertion & Expected Result	Actual Result
SPT-AO-40 Acquisition of non-ASCII address book entries/ADN.	as expected
SPT-AO-41 Acquisition of non-ASCII text messages.	as expected

Analysis:	Expected results achieved

5.2.217 SPT-38 (Palm Pre2)

Test Case SPT-38 Cellebrite Version 1.1.8.6	
Case Summary:	SPT-38 Acquire mobile device internal memory and review hash values for vendor-supported data objects.
Assertions:	SPT-AO-43 If the cellular forensic tool supports hashing for individual data objects, then the tool shall present the user with a hash value for each supported data object.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Thu Jan 19 13:58:23 EST 2012
Device:	Palm_Pre2
Source Setup:	OS: WIN XP v5.1.2600 Interface: cable
Log Highlights:	Created by Cellebrite Acquisition started: Thu Jan 19 13:58:23 EST 2012 Acquisition finished: Thu Jan 19 14:01:24 EST 2012 Hash values were properly reported for individually acquired device data elements
Results:	

Assertion & Expected Result	Actual Result
SPT-AO-43 Acquire data, check known hash values for consistency.	as expected

Analysis:	Expected results achieved

5.2.218 SPT-01 (Samsung Haven)

Test Case SPT-01 Cellebrite Version 1.1.8.6	
Case Summary:	SPT-01 Acquire mobile device internal memory over tool-supported interfaces (e.g., cable, Bluetooth, IrDA).
Assertions:	SPT-CA-01 If a cellular forensic tool provides support for connectivity of the target device, then the tool shall successfully recognize the target device via all vendor-supported interfaces (e.g., cable, Bluetooth, IrDA). SPT-CA-04 If a cellular forensic tool completes acquisition of the target device without error, then the tool shall have the ability to present acquired data objects in a useable format via either a preview pane or

<table>
<tr><th colspan="2">Test Case SPT-01 Cellebrite Version 1.1.8.6</th></tr>
<tr><td></td><td>generated report.
SPT-CA-29 If a cellular forensic tool provides the user with an “Acquire All” device data objects acquisition option, then the tool shall complete the acquisition of all data objects without error.
SPT-CA-30 If a cellular forensic tool provides the user with a “Select All” individual device data objects, then the tool shall complete the acquisition of all individually selected data objects without error.
SPT-CA-31 If a cellular forensic tool provides the user with the ability to “Select Individual” device data objects for acquisition, then the tool shall acquire each exclusive data object without error.
SPT-CA-32 If a cellular forensic tool completes two consecutive logical acquisitions of the target device without error, then the payload (data objects) on the mobile device shall remain consistent.</td></tr>
<tr><td>Tester Name:</td><td>rpa</td></tr>
<tr><td>Test Host:</td><td>Morrisy</td></tr>
<tr><td>Test Date:</td><td>Wed Jan 4 07:14:23 EST 2012</td></tr>
<tr><td>Device:</td><td>Samsung_Haven</td></tr>
<tr><td>Source Setup:</td><td>OS: WIN XP v5.1.2600
Interface: cable</td></tr>
<tr><td>Log Highlights:</td><td>Created by Cellebrite
Acquisition started: Wed Jan 4 07:14:23 EST 2012
Acquisition finished: Wed Jan 4 07:15:24 EST 2012

Device connectivity was established via supported interface</td></tr>
<tr><td>Results:</td><td>
<table>
<tr><th>Assertion & Expected Result</th><th>Actual Result</th></tr>
<tr><td>SPT-CA-01 Device connectivity via supported interfaces.</td><td>as expected</td></tr>
<tr><td>SPT-CA-04 Readability and completeness of acquired data via supported reports.</td><td>as expected</td></tr>
<tr><td>SPT-CA-29 Acquire-All data objects acquisition.</td><td>as expected</td></tr>
<tr><td>SPT-CA-30 Select-All data objects acquisition.</td><td>as expected</td></tr>
<tr><td>SPT-CA-31 Select-Individual data objects acquisition.</td><td>as expected</td></tr>
<tr><td>SPT-CA-32 Perform back-to-back acquisitions, check device payload for modifications.</td><td>as expected</td></tr>
</table>
</td></tr>
<tr><td>Analysis:</td><td>Expected results achieved</td></tr>
</table>

5.2.219 SPT-02 (Samsung Haven)

<table>
<tr><th colspan="2">Test Case SPT-02 Cellebrite Version 1.1.8.6</th></tr>
<tr><td>Case Summary:</td><td>SPT-02 Attempt internal memory acquisition of a nonsupported mobile device.</td></tr>
<tr><td>Assertions:</td><td>SPT-CA-02 If a cellular forensic tool attempts to connect to a nonsupported device, then the tool shall notify the user that the device is not supported.</td></tr>
<tr><td>Tester Name:</td><td>rpa</td></tr>
<tr><td>Test Host:</td><td>Morrisy</td></tr>
<tr><td>Test Date:</td><td>Wed Jan 4 07:36:39 EST 2012</td></tr>
<tr><td>Device:</td><td>unsupported_device</td></tr>
<tr><td>Source Setup:</td><td>OS: WIN XP v5.1.2600
Interface: cable</td></tr>
<tr><td>Log Highlights:</td><td>Created by Cellebrite
Acquisition started: Wed Jan 4 07:36:39 EST 2012
Acquisition finished: Wed Jan 4 07:38:38 EST 2012

Identification of nonsupported devices was successful</td></tr>
<tr><td>Results:</td><td></td></tr>
</table>

Test Case SPT-02 Cellebrite Version 1.1.8.6	
	Assertion & Expected Result / **Actual Result** SPT-CA-02 Identification of nonsupported devices. / as expected
Analysis:	Expected results achieved

5.2.220 SPT-03 (Samsung Haven)

Test Case SPT-03 Cellebrite Version 1.1.8.6	
Case Summary:	SPT-03 Begin mobile device internal memory acquisition and interrupt connectivity by interface disengagement.
Assertions:	SPT-CA-03 If connectivity between the mobile device and cellular forensic tool is disrupted, then the tool shall notify the user that connectivity has been disrupted.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Wed Jan 4 07:39:12 EST 2012
Device:	Samsung_Haven
Source Setup:	OS: WIN XP v5.1.2600 Interface: cable
Log Highlights:	Created by Cellebrite Acquisition started: Wed Jan 4 07:39:12 EST 2012 Acquisition finished: Wed Jan 4 07:41:42 EST 2012 Device acquisition disruption notification was successful
Results:	**Assertion & Expected Result** / **Actual Result** SPT-CA-03 Notification of device acquisition disruption. / as expected
Analysis:	Expected results achieved

5.2.221 SPT-04 (Samsung Haven)

Test Case SPT-04 Cellebrite Version 1.1.8.6	
Case Summary:	SPT-04 Acquire mobile device internal memory and review reported data via the preview pane or generated reports for readability.
Assertions:	SPT-CA-04 If a cellular forensic tool completes acquisition of the target device without error, then the tool shall have the ability to present acquired data objects in a useable format via either a preview pane or generated report.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Wed Jan 4 07:42:09 EST 2012
Device:	Samsung_Haven
Source Setup:	OS: WIN XP v5.1.2600 Interface: cable
Log Highlights:	Created by Cellebrite Acquisition started: Wed Jan 4 07:42:09 EST 2012 Acquisition finished: Wed Jan 4 07:47:04 EST 2012 Readability and completeness of acquired data was successful
Results:	**Assertion & Expected Result** / **Actual Result** SPT-CA-04 Readability and completeness of acquired data via supported reports. / as expected

Test Case SPT-04 Cellebrite Version 1.1.8.6	
Analysis:	Expected results achieved

5.2.222 SPT-06 (Samsung Haven)

Test Case SPT-06 Cellebrite Version 1.1.8.6	
Case Summary:	SPT-06 Acquire mobile device internal memory and review reported PIM related data.
Assertions:	SPT-CA-07 If a cellular forensic tool completes acquisition of the target device without error, then address book entries shall be presented in a useable format. SPT-CA-08 If a cellular forensic tool completes acquisition of the target device without error, then maximum length address book entries shall be presented in a useable format. SPT-CA-09 If a cellular forensic tool completes acquisition of the target device without error, then address book entries containing special characters shall be presented in a useable format. SPT-CA-10 If a cellular forensic tool completes acquisition of the target device without error, then address book entries containing blank names shall be presented in a useable format. SPT-CA-11 If a cellular forensic tool completes acquisition of the target device without error, then email addresses associated with address book entries shall be presented in a useable format. SPT-CA-12 If a cellular forensic tool completes acquisition of the target device without error, then graphics associated with address book entries shall be presented in a useable format. SPT-CA-13 If a cellular forensic tool completes acquisition of the target device without error, then datebook, calendar, note entries shall be presented in a useable format. SPT-CA-14 If a cellular forensic tool completes acquisition of the target device without error, then maximum length datebook, calendar, note entries shall be presented in a useable format.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Wed Jan 4 07:48:57 EST 2012
Device:	Samsung_Haven
Source Setup:	OS: WIN XP v5.1.2600 Interface: cable
Log Highlights:	Created by Cellebrite Acquisition started: Wed Jan 4 07:48:57 EST 2012 Acquisition finished: Wed Jan 4 07:51:44 EST 2012 All address book entries were successfully acquired Basic PIM related data was not acquired - NA Maximum length PIM related data was not acquired - NA
Results:	

Assertion & Expected Result	Actual Result
SPT-CA-07 Acquisition of address book entries.	as expected
SPT-CA-08 Acquisition of maximum length address book entries.	as expected
SPT-CA-09 Acquisition of address book entries containing special characters.	as expected
SPT-CA-10 Acquisition of address book entries containing a blank name entry.	as expected
SPT-CA-11 Acquisition of embedded email addresses within address book entries.	as expected
SPT-CA-12 Acquisition of embedded graphics within address book entries.	as expected
SPT-CA-13 Acquisition of PIM data (i.e., datebook/calendar, notes).	NA
SPT-CA-14 Acquisition of maximum length PIM data.	NA

Test Case SPT-06 Cellebrite Version 1.1.8.6	
Analysis:	Expected results achieved

5.2.223 SPT-13 (Samsung Haven)

Test Case SPT-13 Cellebrite Version 1.1.8.6	
Case Summary:	SPT-13 Acquire mobile device internal memory by selecting a combination of supported data elements.
Assertions:	SPT-CA-29 If a cellular forensic tool provides the user with an “Acquire All” device data objects acquisition option, then the tool shall complete the acquisition of all data objects without error. SPT-CA-30 If a cellular forensic tool provides the user with an “Select All” individual device data objects, then the tool shall complete the acquisition of all individually selected data objects without error. SPT-CA-31 If a cellular forensic tool provides the user with the ability to “Select Individual” device data objects for acquisition, then the tool shall acquire each exclusive data object without error.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Wed Jan 4 07:53:14 EST 2012
Device:	Samsung_Haven
Source Setup:	OS: WIN XP v5.1.2600 Interface: cable
Log Highlights:	Created by Cellebrite Acquisition started: Wed Jan 4 07:53:14 EST 2012 Acquisition finished: Wed Jan 4 07:58:54 EST 2012 Individual data element acquisition was successful
Results:	

Assertion & Expected Result	Actual Result
SPT-CA-29 Acquire-All data objects acquisition.	as expected
SPT-CA-30 Select-All data objects acquisition.	as expected
SPT-CA-31 Select-Individual data objects acquisition.	as expected

Analysis:	Expected results achieved

5.2.224 SPT-24 (Samsung Haven)

Test Case SPT-24 Cellebrite Version 1.1.8.6	
Case Summary:	SPT-24 Acquire mobile device internal memory and review reported data via supported/generated report formats.
Assertions:	SPT-AO-25 If a cellular forensic tool completes acquisition of the target device without error, then the tool shall present the acquired data in a useable format via supported/generated report formats.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Wed Jan 4 07:59:35 EST 2012
Device:	Samsung_Haven
Source Setup:	OS: WIN XP v5.1.2600 Interface: cable
Log Highlights:	Created by Cellebrite Acquisition started: Wed Jan 4 07:59:35 EST 2012 Acquisition finished: Wed Jan 4 08:05:33 EST 2012 Complete representation of known data via generated reports was successful
Results:	

Test Case SPT-24 Cellebrite Version 1.1.8.6	
	Assertion & Expected Result / **Actual Result** SPT-AO-25 Comparison of known device data elements via generated reports. / as expected
Analysis:	Expected results achieved

5.2.225 SPT-25 (Samsung Haven)

Test Case SPT-25 Cellebrite Version 1.1.8.6	
Case Summary:	SPT-25 Acquire mobile device internal memory and review reported data via the preview pane.
Assertions:	SPT-AO-26 If a cellular forensic tool completes acquisition of the target device without error, then the tool shall present the acquired data in a useable format in a preview pane view.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Wed Jan 4 08:08:39 EST 2012
Device:	Samsung_Haven
Source Setup:	OS: WIN XP v5.1.2600 Interface: cable
Log Highlights:	Created by Cellebrite Acquisition started: Wed Jan 4 08:08:39 EST 2012 Acquisition finished: Wed Jan 4 08:09:05 EST 2012 Complete representation of known data via preview pane was successful
Results:	**Assertion & Expected Result** / **Actual Result** SPT-AO-26 Comparison of known device data elements via preview pane. / as expected
Analysis:	Expected results achieved

5.2.226 SPT-29 (Samsung Haven)

Test Case SPT-29 Cellebrite Version 1.1.8.6	
Case Summary:	SPT-29 After a successful mobile device internal memory, alter the case file via third-party means and attempt to reopen the case.
Assertions:	SPT-AO-27 If the case file or individual data objects are modified via third-party means, then the tool shall provide protection mechanisms disallowing or reporting data modification.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Wed Jan 4 08:16:24 EST 2012
Device:	Samsung_Haven
Source Setup:	OS: WIN XP v5.1.2600 Interface: cable
Log Highlights:	Created by Cellebrite Acquisition started: Wed Jan 4 08:16:24 EST 2012 Acquisition finished: Wed Jan 4 08:25:49 EST 2012 Notification of modified device memory data was successful
Results:	**Assertion & Expected Result** / **Actual Result** SPT-AO-27 Notification of modified device case data. / as expected

Test Case SPT-29 Cellebrite Version 1.1.8.6	
Analysis:	Expected results achieved

5.2.227 SPT-38 (Samsung Haven)

Test Case SPT-38 Cellebrite Version 1.1.8.6	
Case Summary:	SPT-38 Acquire mobile device internal memory and review hash values for vendor-supported data objects.
Assertions:	SPT-AO-43 If the cellular forensic tool supports hashing for individual data objects, then the tool shall present the user with a hash value for each supported data object.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Wed Jan 4 08:26:43 EST 2012
Device:	Samsung_Haven
Source Setup:	OS: WIN XP v5.1.2600 Interface: cable
Log Highlights:	Created by Cellebrite Acquisition started: Wed Jan 4 08:26:43 EST 2012 Acquisition finished: Wed Jan 4 08:28:01 EST 2012 Hash values were properly reported for individually acquired device data elements
Results:	

Assertion & Expected Result	Actual Result
SPT-AO-43 Acquire data, check known hash values for consistency.	as expected

Analysis:	Expected results achieved

About the National Institute of Justice

A component of the Office of Justice Programs, NIJ is the research, development and evaluation agency of the U.S. Department of Justice. NIJ's mission is to advance scientific research, development and evaluation to enhance the administration of justice and public safety. NIJ's principal authorities are derived from the Omnibus Crime Control and Safe Streets Act of 1968, as amended (see 42 U.S.C. §§ 3721–3723).

The NIJ Director is appointed by the President and confirmed by the Senate. The Director establishes the Institute's objectives, guided by the priorities of the Office of Justice Programs, the U.S. Department of Justice, and the needs of the field. The Institute actively solicits the views of criminal justice and other professionals and researchers to inform its search for the knowledge and tools to guide policy and practice.

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NIJ has seven strategic goals grouped into three categories:

Creating relevant knowledge and tools

1. Partner with state and local practitioners and policymakers to identify social science research and technology needs.
2. Create scientific, relevant, and reliable knowledge—with a particular emphasis on terrorism, violent crime, drugs and crime, cost-effectiveness, and community-based efforts—to enhance the administration of justice and public safety.
3. Develop affordable and effective tools and technologies to enhance the administration of justice and public safety.

Dissemination

4. Disseminate relevant knowledge and information to practitioners and policymakers in an understandable, timely and concise manner.
5. Act as an honest broker to identify the information, tools and technologies that respond to the needs of stakeholders.

Agency management

6. Practice fairness and openness in the research and development process.
7. Ensure professionalism, excellence, accountability, cost-effectiveness and integrity in the management and conduct of NIJ activities and programs.

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In addressing these strategic challenges, the Institute is involved in the following program areas: crime control and prevention, including policing; drugs and crime; justice systems and offender behavior, including corrections; violence and victimization; communications and information technologies; critical incident response; investigative and forensic sciences, including DNA; less-than-lethal technologies; officer protection; education and training technologies; testing and standards; technology assistance to law enforcement and corrections agencies; field testing of promising programs; and international crime control.

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