



**Product Claims Test
Application Number ADPC0057
Phone Check Solutions**

Author: Dr Andrew Blyth

Revision 1.0
Date: May 15, 2019
Distribution: Confidential

DISCLAIMER

The Product Claims Test is presented as the outcome of a specific test ran in laboratory environment under controlled conditions. Use of this certified product for the purpose of sanitizing data from devices tested needs to be done so after a risk assessment process. ADISA reserves the right to review the validity of this award upon changes in threat landscape.

LIABILITY

ADISA accepts no liability for any claims resulting from the use of the product tested.

REVISION HISTORY

15.05.2019 Revision 1.0 issued to Chris Sabeti



Asset Disposal and Information Security Alliance Limited

Phone: 0044 845 557 7726

Web: www.adisa.global

Registration Number: 07390092

Registered Office: 31 Thrales End Business Centre, Thrales End Lane, Harpenden, AL5 3EJ, United Kingdom

Contents

1.0	Executive Summary	4
2.0	Test Level 1 Testing Smart Phones	5
3.0	Summary and Conclusions.....	6

1.0 Executive Summary

This is the final report detailing the findings in relation to the execution of the ADISA Testing Methodology on Claims Test ADPC0057 submitted by Phone Check Solutions for product PhoneCheck Pro Version 1.0. The claims test was carried out in accordance with ADISA Claims Testing (ACT) v1.0 and supporting document ADISA Testing Methodology v1.0, both of which are available from ADISA.

The claim made for the test was:

“PhoneCheck Pro Version series 1, when used in accordance with user manual V2, will overwrite using the single selectable proprietary algorithm, all user data on the sample media to ensure that data cannot be recovered using forensic techniques aligned to ADISA Test Level 1.” – Claim Number ADPC0057.

Two Smart Phones were submitted as part of this test and this is listed below:

Manufacturer	Model	Test Level
Apple	iPhone 6	1
Samsung	Galaxy S7 Edge	1

Table 1 – Devices Tested

After testing it is confirmed that the PhoneCheck Solutions **claim is true** for the device tested up to Test Level 1 results. Those devices are:

- Apple iPhone 6
- Samsung Galaxy S7 Edge

2.0 Test Level 1 Testing Smart Phones

2.1 Method.

This test phase is designed to evaluate the claim made by recreating an attack by a threat adversary utilising standard COTS forensic tools and techniques. (e.g. Cellebrite or Oxygen). For each device the following methodology is performed.

1. The applicant's software was configured in accordance with the developer's instructions.
2. A factory reset is performed on each device in accordance with the device manufacturers instructions.
3. A SIM was inserted into the device and the device connected to a Wi-Fi network.
4. The following data is placed on each device:
 - a. Pictures and Movies;
 - b. SMS, Phone Details and Contact Details;
 - c. Internet Browsing and Internet Email.
5. To create a Base Image for comparison the device was then imaged.
6. The device was then erased using applicant's software in accordance with the developer's instructions.
7. The device was then imaged to create the test image.
8. The test image was then analysed using standard forensics tools up to the capability of the threat adversary at the test level with the objective of trying to identify any data and the results compares and contrasted with the base-image constructed in step 5.

2.2 Test Results.

Test Level 1 Summary Results

Test Level 1 replicated an attack on this device being made by an aggressor with capabilities outlined below.

Risk Level	Threat Actor and Compromise Methods	Test Level
1 (Low)	Casual or opportunistic threat actor only able to mount high-level non-invasive and non-destructive software attacks utilising freeware, OS tools and COTS products. Commercial data recovery organisation able to mount non-invasive and non-destructive software attacks and hardware attacks.	1

The Results of Test Level 1

Manufacturer	Model	Result
Apple	iPhone 6	Pass
Samsung	Galaxy S7 Edge	Pass

Pass means that the PhoneCheck Solutions Pro Version 1 mitigates the threat posed by the Threat Actors holding the capabilities outlined by Test Level 1 on the tested device and the claim made can be confirmed.

3.0 Summary and Conclusions

The iPhone 6 and Samsung Galaxy S7 Edge tested passed the claims test as all-forensic data recovery techniques up to and including ADISA Test Level 1 failed to recover any data. The product evaluated was PhoneCheck Pro Solutions Version 1.

Claims Test Carried Out By: Dr Andrew Blyth, PhD.

Signature:

A handwritten signature in black ink, appearing to read 'A Blyth', with a large, stylized flourish extending from the end.

Date: 10.05.2019