

# Expertise

Expert Opinion of the Notified Body on the Conformity Assessment  
according to Article 10.5 of R&TTE Directive 1999/5/EC

**PHOENIX TESTLAB**  
EU Identification Number **0700**



Expertise No.	15-111392
Certificate Holder	SINCOOLE TECHNOLOGY LTD
Address	C-603,Huayuan technology innovation park, baoyuan Road, xixiang street, shenzhen China
Product Description	Industrial Android PDA; with GSM, GPS, Bluetooth, WIFI, NFC and WCDMA
Brand Name / Model Name	SH50

## Opinion on the Essential Requirements

Article 3.1a): Health and Safety	Remarks see annex
Article 3.1b): Electromagnetic Compatibility	Remarks see annex
Article 3.2: Effective Use of the Radio Spectrum	No remarks

## CE-marking

Marking Example (Class 1) **CE 0700**

This certificate is issued in accordance with the Directive 1999/5/EC of the European Parliament and the Council on radio equipment and telecommunications terminal equipment and the mutual recognition of their conformity dated 9<sup>th</sup> March 1999 and is only valid in conjunction with the following annex (3 pages).

Blomberg, 26 March 2015

Place, Date of Issue



Signed by Alan Lane  
Notified Body

## Technical description

Frequency Range	GSM 850/900/1800/1900 GPS: 1575.42 MHz (Rx) Bluetooth: 2402 - 2480 MHz WiFi(20 MHz): 2412 - 2472 MHz WiFi(40 MHz): 2422 - 2462 MHz UTRA FDD Band I/V NFC: 13.56 MHz
Transmitted Power	Max. 2W / Max. 1W Bluetooth: 3.80 dBm EIRP WiFi: 16.16 dBm EIRP UTRA FDD: 24 dBm NFC: 9.89 dB $\mu$ A/m at 10m

## Technical Construction File (TCF):

Technical documentation according to Annex II sub clause 4:

- |   |   |
|---|---|
| <input checked="" type="checkbox"/> User Manual     | <input checked="" type="checkbox"/> Operational Description |
| <input checked="" type="checkbox"/> Block Diagram   | <input checked="" type="checkbox"/> Circuit Diagram         |
| <input checked="" type="checkbox"/> Parts Placement | <input checked="" type="checkbox"/> PCB-Layout              |
| <input type="checkbox"/> Parts List                 |   |

Hardware Version: --

Software Version: \*\*29305652\*\*



### Applied Standards and Test Reports

Specification	Laboratory	Test Report Number
EN 60950-1:2006+A11:2009 +A1:2010+A12:2011+A2:2013	Shenzhen Toby Technology Co., Ltd.	TB-LVD143280
EN 60950-1:2006+A11:2009 +A1:2010+A12:2011	Shenzhen Huatongwei International Inspection Co., Ltd.	TRS11120038
EN 301 489-1 V1.9.2 EN 301 489-3 V1.6.1 EN 301 489-7 V1.3.1 EN 301 489-17 V2.2.1 EN 301 489-24 V1.5.1	Shenzhen Toby Technology Co., Ltd.	TB-EMC143272
EN 50360:2001+A1:2012 EN 62209-1:2006 EN 62209-2:2010 EN 50566:2013 EN 62311:2008	Cerpass Technology Corp.	SESC1502021
EN 62479:2010	Shenzhen Toby Technology Co., Ltd.	TB-HEA143279
EN 300 328 V1.8.1	Shenzhen Toby Technology Co., Ltd.	TB-RF143275 TB-RF143276
EN 301 511 V9.0.2	Shenzhen Toby Technology Co., Ltd.	TB-RF143273
EN 301 908-1 V6.2.1 EN 301 908-2 V5.4.1	Shenzhen Toby Technology Co., Ltd.	TB-RF143274
EN 300 440-1 V1.6.1 EN 300 440-2 V1.4.1	Shenzhen Toby Technology Co., Ltd.	TB-RF143278
EN 300 330-1 V1.7.1 EN 300 330-2 V1.5.1	Shenzhen Toby Technology Co., Ltd.	TB-RF143277

### Further Documents

EU Declaration of Conformity, 2 pages, 2015-03-06.

Model Declaration Letter, 1 page, 2015-03-06.



## Opinion on the Essential Requirements:

The basis of this Expertise is the Technical Construction File (TCF). If the TCF includes test reports issued by laboratories accredited to the standard ISO/IEC 17025, the test results of these reports are considered as a basis for the conformity assessment of the Notified Body.

### Article 3.1a): Health and Safety:

- Health
  - Conform
  
- Safety
  - The protection against exposure to excessive sound pressures from headphones or earphones according to A12 clause Zx. was not tested.
  - The Technical Construction File does not include any test results on the Flash LED. The Flash LED should be tested according to IEC 62471 as required in to EN 60950-1.

### Article 3.1b): Electromagnetic Compatibility:

- RS/CS uplink, downlink and RX quality test results are missing in the test report.

### Article 3.2: Effective Use of the Radio Spectrum:

- Conform

### General Remarks:

- This conformity assessment is limited to the essential requirements of the R&TTE Directive. Only products fulfilling all essential requirements of all applicable new approach directives may be placed on the market and put into service. Products in compliance with all provisions of the applicable directives providing for the CE marking must bear this marking.
- The Technical Construction File should include Parts List.
- The hardware may affect the compliance, therefore the hardware version shall be stated.

