

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**

Recognised by  Bundesnetzagentur
BNetzA-bS-02/51-55

Expertise No.	16-210155
Certificate Holder	ShenZhen Chainway Information Technology Co.,Ltd
Address	9/F, Building 2, Phase 2, Daqian Industrial Park, Longchang Rd., District 67, Bao'an, Shenzhen, China
Product Description	Mobile Data Terminal; with GPS, GSM, Bluetooth, WIFI, WCDMA, NFC , Non-specific SRD and Inductive applications
Brand Name / Model Name	CHAINWAY / C4050

Opinion on the Essential Requirements

Article 3.1a): Health and Safety	Remarks see annex
Article 3.1b): Electromagnetic Compatibility	No remarks
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 9th March 1999 and is only valid in conjunction with the following annex (3 pages).

Blomberg, 03 February 2016

Place, Date of Issue



Signed by Alan Lane
Notified Body

Technical description

Frequency Range	GSM 850/900/1800/1900 MHz GPS: 1575.42 MHz (RX) Bluetooth: 2402 - 2480 MHz WiFi(H20): 2412 - 2472 MHz WiFi(H40): 2422 - 2462 MHz UTRA FDD Band I Inductive applications: 125KHz (Sub-Class 41) Non-specific SRD :868.28 MHz (Sub-Class 28) NFC:13.56 MHz
Transmitted Power	Max.2W / Max.1W Bluetooth: 0.60 dBm EIRP WiFi: 13.20 dBm EIRP UTRA FDD: 24 dBm Inductive applications: -19.1 dBμA/m at 10m Non-specific SRD : -4.02 dBm ERP NFC: -0.332 dBμA/m at 10m
Duty Cycle	Non-specific SRD :868.28 MHz : < 1%
Operational temperature range Device	-10 ~ 40 degree Celsius
Operational temperature range Power adaptor	40 degree Celsius

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 checked="" type="checkbox"/> Parts List | |

Hardware Version: --

Software Version: --

Applied Standards and Test Reports

Specification	Laboratory	Test Report Number
EN 60950-1:2006 +A11:2009+ A1:2010+A12:2011	DEKRA Testing and Certification (Shanghai) Ltd. Guangzhou Branch	4309531.50
EN 60950-1:2006 +A11:2009+ A1:2010+A12:2011	CCIC Southern Electronic Product Testing (Shenzhen) Co., Ltd.	SET2016-00214
EN 50360:2001+A1:2012 EN 50566:2013/AC:2014 EN 62209-1:2006 EN 62209-2:2010 EN 62479:2010	CCIC Southern Electronic Product Testing (Shenzhen) Co., Ltd.	SET2015-18841
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	CCIC Southern Electronic Product Testing (Shenzhen) Co., Ltd.	SET2015-17862
EN 300 220-1 V2.4.1 EN 300 220-2 V24.1	CCIC Southern Electronic Product Testing (Shenzhen) Co., Ltd.	SET2016-00633
EN 300 330-1 V1.7.1 EN 300 330-2 V1.5.1	CCIC Southern Electronic Product Testing (Shenzhen) Co., Ltd.	SET2016-00631 SET2016-00632
EN 300 440-1 V1.6.1 EN 300 440-2 V1.4.1	CCIC Southern Electronic Product Testing (Shenzhen) Co., Ltd.	SET2015-17854
EN 301 511 V9.0.2	CCIC Southern Electronic Product Testing (Shenzhen) Co., Ltd.	SET2015-17860
EN 300 328 V1.8.1	CCIC Southern Electronic Product Testing (Shenzhen) Co., Ltd.	SET2015-17858
EN 301 908-1 V6.2.1 EN 301 908-2 V6.2.1	CCIC Southern Electronic Product Testing (Shenzhen) Co., Ltd.	SET2015-17859

Further Documents

EU Declaration of Conformity, 1 page,12-25-2015.



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 Technical Construction File does not include any test results on the laser equipment. The remote control should be tested according to IEC 60825-1 as required in to EN 60950-1.
 - The handhold part including battery pack not assessed.

Article 3.1b): Electromagnetic Compatibility:

- Conform

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.
- This device also contains frequency bands that are not operational in EU member states. Only the frequency bands used in European Union have been assessed for this Expertise.
- The software and hardware may affect the compliance, therefore the software version and hardware shall be stated.
- The Technical Construction File should include the following technical documentation additionally:
 - Sub-board RF module of PCB layout and Parts Placement

