

# 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.	13-115306
Certificate Holder	Shenzhen Chainway Information Technology Co., Ltd.
Address	6/F, A Block, Tsinghua Hi-tech Park, Shenzhen Hi-tech & Industrial Estate, Nanshan, Shenzhen, China
Product Description	Convenient type data processor; with GSM, BT, WIFI, GPS and Non-specific SRD
Brand Name / Model Name	CHAINWAY / C3000

### Opinion on the Essential Requirements

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

### 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, 11 November 2013

Place, Date of Issue




Signed by Alan Lane  
Notified Body

## Technical description

Frequency Range	GSM 900/1800 MHz GPS: 1575.42 MHz (Rx) Bluetooth: 2402 - 2480 MHz WiFi: 2412 - 2472 MHz NFC: 13.56 MHz
Transmitted Power	Max. 2W/Max. 1W Bluetooth: 2.28 dBm EIRP WiFi: 14.77 dBm EIRP NFC: 13.67 dBµA/m at 10m

## Technical Construction File (TCF):

### Technical documentation according to Annex II sub clause 4:

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

Hardware Version: C3000-MB-FR4-V20  
Software Version: 1.1.1.130801\_beta



## 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	Shenzhen Huatongwei International Inspection Co., Ltd.	TRS13090152
EN 62209-2:2010 EN 62311:2008 EN 62479:2010	Compliance Certification Services Inc.	TRE1309011309
EN 301 489-1 V1.9.2 EN 301 489-3 V1.4.1 EN 301 489-7 V1.3.1 EN 301 489-17 V2.2.1	Shenzhen Huatongwei International Inspection Co., Ltd.	TRE1309011305 TRE1309011306 TRE1309011307
EN 55022:2010 EN 55024:2010 EN 61000-3-2:2006+A1:2009+ A2:2009 EN 61000-3-3:2008	Shenzhen Huatongwei International Inspection Co., Ltd.	TRE1309011308
EN 300 330-1 V1.6.1 EN 300 330-2 V1.4.1	Shenzhen Huatongwei International Inspection Co., Ltd.	TRE1309011304
EN 301 511 V9.0.2	Shenzhen Huatongwei International Inspection Co., Ltd.	TRE1309011301
EN 300 328 V1.7.1	Shenzhen Huatongwei International Inspection Co., Ltd.	TRE1309011302 TRE1309011303

## Further Documents

EU Declaration of Conformity, 2 pages, 2013-10-24.

Power of Attorney, 1 page, 2013-10-24.



## 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:

- Conform

### Article 3.1b): Electromagnetic Compatibility:

- The GPS part has not been assessed. This operation function should be tested according to EN 301489-1/-3.

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

- The GPS part has not been assessed. This operation function should be tested according to EN 300 440-1/-2.

### 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 the following technical documentation additionally:
  - Parts List
  - Block Diagram
  - Parts Placement
  - Operation Description
  - Sub-board of PCB layout

