

EU-TYPE EXAMINATION (MODULE B) CERTIFICATE

Radio Equipment Directive (RED) 2014/53/EU

PHOENIX TESTLAB
Notified Body Number **0700**



This is to certify that:

PHOENIX TESTLAB did undertake the relevant type examination procedures for the radio equipment identified below which was found to be in compliance with the essential requirements of Radio Equipment Directive (RED) 2014/53/EU subject to any conditions in the annex attached hereto.

Certificate No.	17-213651
Manufacturer	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

The radio equipment meets the following essential requirements

Article 3.1 a): Health and Safety	Conform
Article 3.1 b): Electromagnetic Compatibility	Conform
Article 3.2: Effective and Efficient Use of Radio Spectrum	Conform
Additional Essential Requirements:	Not applicable

Date of issue	2017-11-10	Expiry date:	2022-11-09
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This certificate remains valid unless cancelled or revoked, provided the conditions in the attached annex are complied with. The conditions for the validity of this certificate are listed in the Annex.

The attached Annex forms part of this certificate. This certificate consists of 4 pages.



Signed by Alan Lane
Notified Body

Annex

Technical description

Frequency Range	GSM 850/900/1800/1900 MHz Bluetooth: 2402 - 2480 MHz WiFi(H20): 2412 - 2472 MHz WiFi(H40): 2422 - 2462 MHz UTRA FDD Band I Inductive applications: 125KHz Non-specific SRD: 865.7-867.5 MHz (4CH, duty cycle <0.1%) NFC:13.56 MHz GPS: 1575.42 MHz (RX)
Transmitted Power	Max.2W / Max.1W Bluetooth: 0.10 dBm EIRP WiFi: 12.90 dBm EIRP UTRA FDD: 24 dBm Inductive applications: -19.1 dBμA/m at 10m Non-specific SRD: 11.5 dBm ERP NFC: -0.332 dBμA/m at 10m
Duty Cycle	Non-specific SRD :868.28 MHz : < 1%
Hardware Version	C4050-MB-V6.0
Software Version	V1.0.0-10040506582-2017-6-16

System Components

Battery	935161, 3.7V / 3200mAh (Spring Power Technology(Shenzhen)Company Limited.)
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Optional Components

Adapter	G101T-050200-1 Input:100-240V, 50/60Hz, 0.28A; Output: 5V/2A (GME Technology(Shenzhen)Co.,Ltd)
USB Cable	MIXL-C3000-USB-V20, 1.0 meter

Approval documentation

External / Internal Photos	Provided, 6 pages / 14 pages
User Manual	C4050 Handheld Terminal User Manual, 27 pages
Block Diagram	Provided, 1 page
Circuit Diagram	Provided, 17 pages/ 1 page/ 1 page/ 1 page/ 1 page
Operational Description	OPERATIONAL DESCRIPTION OF C4050, 5 pages
PCB Layout	Provided, 4 pages/ 11 pages/ 12 pages/ 10 pages/ 10 pages
Parts Placement	Provided, 2 pages/ 2 pages/ 2 pages/ 2 pages/ 2 pages
Parts List	Provided, 5 pages/1 page/ 1 page/ 1 page/ 1 page
EU Declaration of Conformity	2 pages, October 24, 2017
Explanation of compliance Article 10(2) and Article 10(10)	Description in the User Manual
Further Documents	Risk Assessment, 3 pages, October 24, 2017

Applied Standards and Test Reports


Specification	Laboratory	Test Report Number / Version
EN 60950-1:2006+A11:2009+ A1:2010+A12:2011+A2:2013	CCIC Southern Electronic Product Testing (Shenzhen) Co., Ltd.	SET2017-10405
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.	SET2017-15030
Draft ETSI EN 301 489-1 V2.2.0 Final Draft ETSI EN 301 489-3 V2.1.1 Draft ETSI EN 301 489-17 V3.2.0 Draft ETSI EN 301 489-19 V2.1.0 Draft ETSI EN 301 489-52 V1.1.0	CCIC Southern Electronic Product Testing (Shenzhen) Co., Ltd.	SET2017-10749
ETSI EN 300 328 V2.1.1	CCIC Southern Electronic Product Testing (Shenzhen) Co., Ltd.	SET2017-10582
ETSI EN 301 511 V9.0.2	CCIC Southern Electronic Product Testing (Shenzhen) Co., Ltd.	SET2017-10588
ETSI EN 301 908-1 V11.1.1 ETSI EN 301 908-2 V11.1.1	CCIC Southern Electronic Product Testing (Shenzhen) Co., Ltd.	SET2017-10589
ETSI EN 300 220-1 V3.1.1 ETSI EN 300 220-2 V3.1.1	CCIC Southern Electronic Product Testing (Shenzhen) Co., Ltd.	SET2017-10586
ETSI EN 300 330 V2.1.1	CCIC Southern Electronic Product Testing (Shenzhen) Co., Ltd.	SET2017-10584 SET2017-10585
ETSI EN 303 413 V1.1.1	CCIC Southern Electronic Product Testing (Shenzhen) Co., Ltd.	SET2017-10583



Limitations / Restrictions

- 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 Certificate.
- Operating Temperature range is -10 - +40 degree Celsius.
- Body SAR Separation distance is 5mm.

Notes

1. This certificate will not be valid if the manufacturer makes any changes or modifications to the approved equipment, which have not been notified to, and agreed with PHOENIX TESTLAB.
2. Should the specified regulations or standards be amended during the validity of this certificate, the product(s) is/are to be re-approved prior to it/them being placed on the market.
3. The manufacturer shall take all measures necessary so that the manufacturing process and its monitoring ensure conformity of the manufactured radio equipment with the approved type described in the EU-type examination certificate and with the requirements of Directive 2014/53/EU that apply to it.
4.  The manufacturer shall affix the CE marking to each item of radio equipment that is in conformity with the type described in the EU-type examination certificate and satisfies the applicable requirements of the Directive.
5. The manufacturer shall draw up a written EU declaration of conformity for each radio equipment type and keep it at the disposal of the national authorities for 10 years after the radio equipment has been placed on the market. The EU declaration of conformity shall identify the radio equipment type for which it has been drawn up. A copy of the EU declaration of conformity shall be made available to the relevant authorities upon request.