

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.	18-210348
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 GSM, Bluetooth, WIFI, WCDMA, LTE, NFC, Non-specific SRD and GPS
Brand Name / Model Name	CHAINWAY / C6000

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	2018-02-08	Expiry date:	2023-02-07
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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 Wayne Hsu
Notified Body

Annex

Technical description

Frequency Range	GSM 900/1800 MHz Bluetooth: 2402 - 2480 MHz 2.4G WiFi(HT20): 2412 - 2472 MHz 2.4G WiFi(HT40): 2422 - 2462 MHz 5G WiFi(HT20): 5180 - 5320 MHz, 5500 - 5720 MHz 5G WiFi(HT40): 5190 - 5310 MHz, 5510 - 5710 MHz Non-specific SRD: 5745 - 5825 MHz (5CH) UTRA FDD Band I/VIII E-UTRA FDD Band 1/3/7/8/20 E-UTRA FDD Band 40 NFC:13.56 MHz GPS: 1575.42 MHz (RX)
Transmitted Power	Max.2W / Max.1W Bluetooth: 5.34 dBm EIRP 2.4G WiFi: 18.97 dBm EIRP 5G WiFi (5150-5250MHz): 13.26 dBm EIRP 5G WiFi (5250-5350MHz): 12.45 dBm EIRP 5G WiFi (5470-5725MHz): 15.03 dBm EIRP Non-specific SRD: 13.51 dBm EIRP UTRA FDD: 24 dBm E-UTRA FDD/TDD: 23 dBm NFC: -34.84 dBμA/m at 10m
Hardware Version	C6000_MB_V30
Software Version	C6000E_MT6735_V3_EU_GIT87e6b84——220170928

System Components

Battery	IS743, 3.8V / 4000mAh (Shenzhen Chainway Information Technology Co.,Ltd.)
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Optional Components

Adapter	GME10D-050200FGu Input:100-240V, 50/60Hz, 0.28A; Output: 5V/2A (GME Technology(Shenzhen)Co.,Ltd)
USB Cable	1.0meter, shielded cable, without ferrite core

Approval documentation

External / Internal Photos	Provided, 4 pages / 8 pages
User Manual	C6000 User Manual, 31 pages
Block Diagram	Provided, 1 page
Circuit Diagram	Provided, 29 pages
Operational Description	OPERATIONAL DESCRIPTION, 12 pages
PCB Layout / Parts Placement	Provided, 38 pages
Parts List	BOM C6000, 6 pages
EU Declaration of Conformity	1 page, January 28, 2018
Explanation of compliance Article 10(2) and Article 10(10)	Declaration of Operation in Member States and application for certification, 1 page, January 31, 2018
Further Documents	Risk Assessment, 3 pages, January 31, 2018


Applied Standards and Test Reports

Specification	Laboratory	Test Report Number / Version
EN 60950-1:2006+A11:2009+A1:2010+A12:2011+A2:2013	Shenzhen Morlab Communications Technology Co., Ltd	SZ17100186A01
EN 50360:2017 EN 50566:2017 EN 62209-1:2016 EN 62209-2:2010 EN 62479:2010	Shenzhen Morlab Communications Technology Co., Ltd	SZ17100186S01
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	Shenzhen Morlab Communications Technology Co., Ltd	SZ17100186E01
ETSI EN 300 328 V2.1.1	Shenzhen Morlab Communications Technology Co., Ltd	SZ17100186W05 SZ17100186W06 SZ17100186W07
ETSI EN 301 511 V12.5.1	Shenzhen Morlab Communications Technology Co., Ltd	SZ17100186W01
ETSI EN 301 908-1 V11.1.1 ETSI EN 301 908-2 V11.1.2	Shenzhen Morlab Communications Technology Co., Ltd	SZ17100186W02
ETSI EN 301 908-1 V11.1.1 ETSI EN 301 908-13 V11.1.2	Shenzhen Morlab Communications Technology Co., Ltd	SZ17100186W03
ETSI EN 301 893 V2.1.1	Shenzhen Morlab Communications Technology Co., Ltd	SZ17100186W10
ETSI EN 300 330 V2.1.1	Shenzhen Morlab Communications Technology Co., Ltd	SZ17100186W09
Draft ETSI EN 300 440 V2.2.0	Shenzhen Morlab Communications Technology Co., Ltd	SZ17100186W08
ETSI EN 303 413 V1.1.1	Shenzhen Morlab Communications Technology Co., Ltd	SZ17100186W04

Limitations / Restrictions

- Operating Temperature range is -20 - +35 degree Celsius(power form adapter) and -20 - +50 degree Celsius(power form battery).
- 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.