EU-TYPE EXAMINATION (MODULE B) CERTIFICATE

Radio Equipment Directive (RED) 2014/53/EU

PHOENIX TESTLAB

Notified Body Number 0700

Recognised by Bundesnetzagentur

BNetzA-bS-02/51-55

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.	17-213264
Manufacturer	ZTE Corporation
Address	ZTE Plaza,Keji Road South, Hi-Tech Industrial Park, Nanshan District, Shenzhen, Guangdong Province 518057,P.R.China
Product Description	Broadband Digital Trunking Terminal; with GSM, Bluetooth, WIFI, WCDMA, LTE, NFC, PMR and GPS
Brand Name / Model Name	ZTE / GH880B

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	**2017-09-27**	Expiry date:	**2022-09-26**

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.

Seal

9/27/2017 2:15 PM

Signed by Alan Lane
Notified Body

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Annex

Technical description

Frequency Range	GSM 850/900/1800/1900 MHz Bluetooth: 2402 - 2480 MHz WiFi: 2412 - 2472 MHz UTRA FDD Band I E-UTRA FDD Band 1/3/7/8/20/31 E-UTRA TDD Band 38/40 PMR: 400 - 470 MHz NFC: 13.56MHz GPS: 1575.42 MHz (Rx)
Transmit Power	Max. 2W / Max. 1W Bluetooth: 3.66 dBm EIRP WiFi: 16.87 dBm EIRP UTRA FDD: 24 dBm E-UTRA FDD/TDD: 23 dBm NFC: 21.41 dBµA/m at 10m PMR: Max.0.5W
PMR Operating Frequencies	400.0125 - 469.9875 MHz
PMR Channel Spacing	12.5 KHz
Hardware Version	GH880MB_D
Software Version	GH880V1.0.0.8B07_BYJC

System Components

Battery	Li3745T42P3hA16613, 3.7V / 4500mAh (ShenZhen RuiDe Electronic Industrial Co.,Ltd)

Optional Components

Adapter	RD0902500-C55-570G Input:100 - 240V, 50/60Hz, 0.6A; Output: 9V/2.5A (ZTE CORPORATION)
Charger	GH880 Input: 9Vdc, 2.4A Max; Output1:9Vdc, 2.4A Max Output2: 4.2Vdc, 1.5A Max (Ruide Electronics Corporation)
Antenna	SMA port, External, ANT gain=-4dBi
Earphone	1.25m,shieldedcable,without core
USB Cable	1.10m,shielded detachablecable

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Approval documentation

External / Internal Photos	Provided, 3 pages /10 pages
User Manual	Provided, 8 pages
Block Diagram	Provided, 1 page
Circuit Diagram	SCHEMATIC, 78 pages
Operational Description	Provided, 4 pages
PCB Layout	Provided, 27 pages/ 2 pages
Parts Placement	Provided, 6 pages/ 2 pages
Parts List	Provided, 11 pages
EU Declaration of Conformity	3 pages, September 20, 2017
Explanation of compliance Article 10(2) and Article 10(10)	Description in the User Manual
Further Documents	Risk Assessment, 3 pages, -- Attestation letter, 1 page, September 20, 2017

Applied Standards and Test Reports

Specification	**Laboratory**	**Test Report Number / Version**
EN 60950-1:2006+A11:2009+ A1:2010+A12:2011+A2:2013	Shenzhen Huatongwei International Inspection Co., Ltd	TRS17080391
EN 62471:2008	SGS Taiwan Ltd., Optics Laboratory	OC-2013-80008
EN 50360:2001+A1:2012 EN 50566:2013/AC:2014 EN 62209-1:2006 EN 62209-2:2010 EN 62479:2010 EN 62311:2008	Shenzhen Huatongwei International Inspection Co., Ltd	TRE17080213
Draft ETSI EN 301 489-1 V2.2.0 Draft ETSI EN 301 489-5 V2.2.0 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 Huatongwei International Inspection Co., Ltd	TRE1708021209
ETSI EN 300 328 V2.1.1	Shenzhen Huatongwei International Inspection Co., Ltd	TRE1708021204 TRE1708021205
ETSI EN 300 086 V2.1.2	Shenzhen Huatongwei International Inspection Co., Ltd	TRE1708021201
ETSI EN 300 330 V2.1.1	Shenzhen Huatongwei International Inspection Co., Ltd	TRE1708021202
ETSI EN 301 511 V12.5.1	Shenzhen Huatongwei International Inspection Co., Ltd	TRE1708021206
ETSI EN 301 908-1 V11.1.1 ETSI EN 301 908-2 V11.1.1	Shenzhen Huatongwei International Inspection Co., Ltd	TRE1708021207
ETSI EN 301 908-1 V11.1.1 ETSI EN 301 908-13 V11.1.1	Shenzhen Huatongwei International Inspection Co., Ltd	TRE1708021208
ETSI EN 303 413 V1.1.1	Shenzhen Huatongwei International Inspection Co., Ltd	TRE1708021203

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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.
- Restrictions for use shall be stated by the manufacturer, completed in the instructions accompanying the radio equipment. This could relate to frequency spectrum use and licence requirements.
- Operating Temperature range is -20 - +40 degree Celsius.
- Body SAR separation distance of 5 mm for Body /Wrist and 25 mm for Front-of-Face.

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. CE 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.

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