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.	19-211766
Manufacturer	Shenzhen HOPE Microelectronics Co., Ltd.
Address	2/F,Building3,Pingshan Private Enterprise Science and Technology Park, Xili Town,Nanshan District, Shenzhen,Guangdong,China
Product Description	Bluetooth Low Energy (BLE) 5.0 Data Pass-through Module
Brand Name / Model Name	HopeRF / HM-BT4502, HM-BT4502B, HM-BT4502C, HM-BT4502D, HM-BT4502E, HM-BT4502F

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	**2019-11-15**	Expiry date:	**2024-11-14**

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 3 pages.

BENANNTE STELLE PHOENIX TESTLAB NOTIFIED BODY
Seal

Signed by Wayne Hsu
11/15/2019 5:58 PM
Notified Body

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Annex

Technical description

Frequency Range	Bluetooth 5.0: 2402 - 2480 MHz (40CH)
Transmit Power	Bluetooth: 7.16 dBm EIRP
Hardware Version	V1.2
Firmware Version	V1.0.0

System Components

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Optional Components

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Approval documentation	Technical Documentation including HopeRF_HM-BT4502 External / Internal Photos, User Manual, Label, Block Diagram, Circuit Diagram, Operational Description, PCB Layout, Parts Placement, Parts List
EU Declaration of Conformity	2 pages, 30 September, 2019
Explanation of compliance Article 10(2) and Article 10(10)	The description in the user manual.
Further Documents	Risk Assessment, 9 pages, 11 November, 2019 Family models declaration letter, 1 page, 11 November, 2019

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Applied Standards and Test Reports

Specification	Laboratory	Test Report Number / Version
EN 60950-1:2006+A11:2009+ A1:2010+A12:2011+A2:2013	Shenzhen NTEK Testing Technology Co., Ltd.	S19071704104001
EN 62479:2010	Shenzhen NTEK Testing Technology Co., Ltd.	S19071704103001
Draft ETSI EN 301 489-1 V2.2.1 Draft ETSI EN 301 489-17 V3.2.0 EN 55032:2015 EN 55035:2017 EN 61000-3-2:2014 EN 61000-3-3:2013	Shenzhen NTEK Testing Technology Co., Ltd.	S19071704103003
ETSI EN 300 328 V2.1.1	Shenzhen NTEK Testing Technology Co., Ltd.	S19071704103002

Limitations / Restrictions

Operating Temperature range -20 - 40 degree Celsius

If the module shall be integrated into a system, this set needs to be reassessed.

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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