EN62479 TEST REPORT

Product:	Bluetooth Low Energy (BLE) 5.0 Data Pass-through Module
Trade Mark:	HopeRF
Model Name:	HM-BT4502
Family Model:	HM-BT4502B, HM-BT4502C, HM-BT4502D, HM-BT4502E, HM-BT4502F
Report No.:	S19071704103001

Prepared for

Shenzhen HOPE Microelectronics Co., Ltd.

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Prepared by

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TEST RESULT CERTIFICATION

Applicant's Name	:	Shenzhen HOPE Microelectronics Co., Ltd.
Address	:	2/F,Building3,Pingshan Private Enterprise Science and Technology Park,Xili Town,Nanshan District, Shenzhen,Guangdong,China
Manufacturer's Name	:	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		
Product Name	:	Bluetooth Low Energy (BLE) 5.0 Data Pass-through Module
Trade Mark	:	HopeRF
Model and/or type reference	:	HM-BT4502
Family Model	:	HM-BT4502B, HM-BT4502C, HM-BT4502D, HM-BT4502E, HM-BT4502F
Rating(s)	:	3.3V, 10mA
Standards	:	EN 62479:2010

This device described above has been tested by Shenzhen NTEK, and the test results show that the equipment under test (EUT) is in compliance with the 2014/53/EU Directive Article.3.1(a) requirements. And it is applicable only to the tested sample identified in the report.
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Date of Test	:	
Date (s) of performance of tests	:	14 Aug. 2019 ~23 Aug. 2019
Date of Issue	:	26 Aug. 2019
Test Result	:	**Pass**

Testing Engineer : Eileen Liu.
(Eileen Liu)

Technical Manager : Jason Chen
(Jason Chen)

Authorized Signatory : Sam Chen
(Sam Chen)

Shenzhen NTEK Testing Technology Co., Ltd. Report Seal

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1. GENERAL INFORMATION

1.1 GENERAL DESCRIPTION OF EUT

<table>
<tr><td>Equipment</td><td>Bluetooth Low Energy (BLE) 5.0 Data Pass-through Module</td></tr>
<tr><td>Trade Mark</td><td>HopeRF</td></tr>
<tr><td>Model Name.</td><td>HM-BT4502</td></tr>
<tr><td>Family Model</td><td>HM-BT4502B, HM-BT4502C, HM-BT4502D, HM-BT4502E, HM-BT4502F</td></tr>
<tr><td>Model Difference</td><td>All models are the same circuit and RF module,
except the model name.</td></tr>
<tr><td>Product Description</td><td>The EUT is Bluetooth Low Energy (BLE) 5.0 Data Pass-through Module
<table>
<tr><td>Operation Frequency:</td><td>2402~2480 MHz</td></tr>
<tr><td>Antenna Designation :</td><td>PCB Antenna</td></tr>
<tr><td>Antenna Gain(Peak)</td><td>1.5dBi</td></tr>
<tr><td>EIRP Power:</td><td>7.16dBm(500 Kbps)Note2</td></tr>
<tr><td>Modulation Type:</td><td>GFSK</td></tr>
</table>
Based on the application, features, or specification exhibited in User's Manual, the EUT is considered as an ITE/Computing Device. More details of EUT technical specification, please refer to the User's Manual.</td></tr>
<tr><td>Power Rating</td><td>3.3V, 10mA</td></tr>
<tr><td>Adapter</td><td>N/A</td></tr>
<tr><td>Battery</td><td>N/A</td></tr>
<tr><td>Hardware Version</td><td>V1.2</td></tr>
<tr><td>Firmware Version</td><td>V1.0.0</td></tr>
<tr><td>Software Version</td><td>N/A</td></tr>
</table>

Note:

1. For a more detailed features description, please refer to the manufacturer's specifications or the User's Manual.
2. All the modes had been tested, but only the worst data recorded in the report.

2.EN 62479 REQUIREMENT

2.1 GENERAL INFORMATION

According to its specifications, the EUT must comply with the requirements of the following standards:

EN 62479: 2010 [Assessment of the compliance of low power electronic and electrical equipment with the basic restrictions related to human exposure to electromagnetic fields (10 MHz to 300 GHz)]

2.2 LIMIT

A. Typical usage, installation and the physical characteristics of equipment make it inherently compliant with the applicable EMF exposure levels such as those listed in the bibliography. This low-power equipment includes unintentional (or non-intentional) radiators, for example incandescent light bulbs and audio/visual (A/V) equipment, information technology equipment (ITE) and multimedia equipment (MME) that does not contain radio transmitters.

NOTE Equipment is described as A/V equipment, ITE or MME if its main use is playback/recording of music, voice or images, or processing of digital information.

B. The input power level to electrical or electronic components that are capable of radiating electromagnetic energy in the relevant frequency range is so low that the available antenna power and/or the average total radiated power cannot exceed the low-power exclusion level defined in 4.2.

C. The available antenna power and/or the average total radiated power are limited by product standards for transmitters to levels below the low-power exclusion level defined in 4.2.

D. Measurements or calculations show that the available antenna power and/or the average total radiated power are below the low-power exclusion level defined in 4.2.

3. RESULT

The available antenna power of this EUT is **BLE(500 Kbps): 5.20mW (7.16dBm)** the power are below the low-power exclusion level defined in 4.2(Pmax: 20mW)."