

EN 62479: 2010
EN 50663: 2017

TEST REPORT

FOR

HF8R series headlamp

Model No.: HM-BT4531

Trademark: N/A

Report No.: E01A23040015H00101

Issue Date: May 13, 2023

Prepared for

Shenzhen Hope Microelectronics Co., Ltd

**30th floor of 8th Building, C Zone, Vanke Cloud City, Xili Sub-district,
Nanshan, Shenzhen, GD, P.R. China**

Prepared by

**Dong Guan Anci Electronic Technology Co., Ltd.
1-2 Floor, Building A, No.11, Headquarters 2 Road, Songshan, Lake
Hi-tech Industrial Development Zone, Dongguan City, Guangdong Pr.,
China.**

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TEST REPORT DESCRIPTION

Applicant : Shenzhen Hope Microelectronics Co., Ltd
: 30th floor of 8th Building, C Zone, Vanke Cloud City, Xili Sub-district,
Nanshan, Shenzhen, GD, P.R. China
Manufacturer : Shenzhen Hope Microelectronics Co., Ltd
: 30th floor of 8th Building, C Zone, Vanke Cloud City, Xili Sub-district,
Nanshan, Shenzhen, GD, P.R. China
EUT : Bluetooth Module
Model No. : HM-BT4531
Trade Mark : N/A
Ratings : DC 1.8V-3.6V

Test Procedure Used:

EN 62479: 2010

EN 50663: 2017

The device described above is tested by Dong Guan Anci Electronic Technology Co., Ltd. to determine the maximum emission levels emanating from the device and the severe levels of the device can endure and its performance criterion. This report shows the EUT to be technically compliant with the EN 62479: 2010 and EN 50663: 2017 requirements. The test results are contained in this report and Dong Guan Anci Electronic Technology Co., Ltd. is assumed full responsibility for the accuracy and completeness of these tests.

This report applies to above tested sample only and shall not be reproduced in part without written approval of Dong Guan Anci Electronic Technology Co., Ltd.

Date of Test :

April 20, 2023 to May 05, 2023

Prepared by :

Duke Liu/EMC Engineer

Approve & Authorized Signer :

Tiger Xu/EMC Supervisor



Modified Information

Version	Summary	Revision Date	Report No.
Ver.1.0	Original Version	/	E01A23040015H00101

1. GENERAL INFORMATION

1.1 Description of Device (EUT)

Version:	5.1
Modulation:	GFSK, $\pi/4$ -DQPSK
Operation frequency:	2402MHz-2480MHz
Channel number:	40 channels
Channel separation:	2MHz
Max ERIP:	8.19 dBm(6.592mW)

1.2 Test Facility

Site Description

Name of Firm : Dong Guan Anci Electronic Technology Co., Ltd.
Site Location : 1-2 Floor, Building A, No.11, Headquarters 2 Road,
Songshan, Lake Hi-tech Industrial Development Zone,
Dongguan City, Guangdong Pr., China.

2. GENERAL PRODUCT INFORMATION

2.1 Product Function and Intended Use

The submitted sample is wireless transceiver includes transmitter and receiver.

3. EN 62479 REQUIREMENT

3.1 General Description of Applied Standards

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).

3.2 Human exposure to the Electromagnetic fields

This International Standard provides simple conformity assessment methods for low-power electronic and electrical equipment to an exposure limit relevant to electromagnetic fields (EMF). If such equipment cannot be shown to comply with the applicable EMF exposure requirements using the methods included in this standard for EMF assessment, then other standards, including IEC 62311 or other (EMF) product standards, may be used for conformity assessment.

3.3 RF Exposure Evaluation

3.3.1 Limit:

According to EN 62479 clause 4.2 Low-power electronic and electrical equipment is deemed to comply with the provisions of this standard if it can be demonstrated using routes B, C or D that the available antenna power and/or the average total radiated power is less than or equal to the applicable low-power exclusion level P_{max} .

$P_{max} = 20 \text{ mW}$ (13 dBm) according to ICNIRP guidelines, since the EUT is General public used.

Remark:

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 EN 62479 clause 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 EN 62479 clause 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 EN 62479 clauses 4.2.

3.3.2 Test result

The EIRP of the EUT are below the max permitted sending level of 20 mW, and then the EUT is not need to conduct SAR measurement. more details

please refer to report: E01A23040015R00601. Please refer to the maximum EIRP.

4. APPENDIX PHOTOGRAPHS OF EUT.

Please refer to the report: E01A23040015E00601

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