



RF EXPOSURE EVALUATION

EN 62479:2010

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

MEASUREMENT AND TEST REPORT

For

Shenzhen Jiaomao Technology Co., Ltd.

Jiaomao,1003, Unit 1, Fucheng Digital Innovation Park, No. 15, Shijing Road, Fumin Community, Longhua District, Shenzhen

Model: JMMGW-mini, JMMGW-mini1, JMMGW-mini2

2022-10-09

This Report Concerns:

Equipment Type:

Original Report

Wireless Bluetooth Earphone

Test Engineer:

Blue Hu/ *Blue Hu*

Report Number:

TH2209253-C01-R05

Test Date:

2022-09-22 to 2022-10-09

Reviewed By:

Neo Dong/ *Neo Dong*

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Note: This test report is limited to the above client company and the product model only. It may not be duplicated without prior written consent of Shenzhen Tian Hai Test Technology Co., Ltd.



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1 - GENERAL INFORMATION

1.1 Product Description for Equipment Under Test (EUT)

Client Information

Applicant: Shenzhen Jiaomao Technology Co., Ltd.
Address: Jiaomao,1003, Unit 1, Fucheng Digital Innovation Park, No. 15, Shijing Road, Fumin Community, Longhua District, Shenzhen
Manufacturer: Shenzhen Jiaomao Technology Co., Ltd.
Address: Jiaomao,1003, Unit 1, Fucheng Digital Innovation Park, No. 15, Shijing Road, Fumin Community, Longhua District, Shenzhen

1.2 General Description of E.U.T

EUT Description: Mini Multi-Mode Gateway
Trade mark: /
Model No.: JMMGW-mini, JMMGW-mini1, JMMGW-mini2
Operation frequency: BLE:2402MHz-2480MHz;
WIFI: 2412~2472MHz;
Zigbee: 2405-2480MHz
Antenna Type: PCB Antenna
Antenna Gain: 1dBi
DC 5V/1.0A power from adapter:
Model: TPA-147C050100VU01
Rating: Input: AC 100-240V, 50/60Hz, 0.2A
Output: DC 5V, 1.0A, 5.0W
Sample No. TH2209253



2 - EN 50663 REQUIREMENT

2.1 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)

2.2 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 EN 62479 or other (EMF) product standards, may be used for conformity assessment.

2.3 RF Exposure Evaluation

According to EN 62479:2010 clause 4.2 and EN 50663:2017 clause 6 if the average power emitted by the apparatus operating in the frequency range 10 MHz to 300 GHz is less than or equal to 20 mW and the transmitting peak power is less than 20 W then the apparatus is deemed to comply with the basic restrictions without testing.

2.3.2 Test Result

The EIRP of the EUT is 9.77mW which is below the max permitted sending level of 20 mW, and then the EUT is not need to conduct SAR measurement.