

# RED-Health Test Report

**Applicant** : Shenzhen Maono Technology Co., Ltd.

**Address** : No. 1307, 13th Floor, Building 4, Phase II of  
Tianan Yungu Industrial Park, Gangtou  
Community, Bantian Street, Longgang District,  
Shenzhen, China

**Product Name** : WIRELESS CONDENSER MICROPHONE

**Report Date** : Dec. 24, 2024



**Shenzhen Anbotek Compliance Laboratory Limited**



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## TEST REPORT

Applicant : Shenzhen Maono Technology Co., Ltd.  
Manufacturer : Shenzhen Maono Technology Co., Ltd.  
Product Name : WIRELESS CONDENSER MICROPHONE  
Model No. : DM40, DM40 Pro, DM40 S, DM40 T, DM40 Pro S, DM40 Pro T,  
DM40 Neo, DM40 Neo S, DM40 Neo T, DM40 Lite, DM40 Lite S,  
DM40 Lite T, DM40 Ultra, DM40 Ultra S, DM40 Ultra T  
Trade Mark : N/A  
Rating(s) : Input: 5V== 2A(with DC 3.7V, 1500mAh Battery inside)

**Test Standard(s) : EN 50663: 2017; EN 62479: 2010**

The device described above is tested by Shenzhen Anbotek Compliance Laboratory Limited 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 Shenzhen Anbotek Compliance Laboratory Limited 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 Shenzhen Anbotek Compliance Laboratory Limited.

Date of Receipt Nov. 04, 2024

Date of Test Nov. 05, 2024 to Nov.13, 2024

Prepared By



(TuTu Hong)

Approved & Authorized Signer



(Kingkong Jin)



### Revision History

Report Version	Description	Issued Date
R00	Original Issue.	Dec. 24, 2024



# 1. General Information

## 1.1. Client Information

Applicant	:	Shenzhen Maono Technology Co., Ltd.
Address	:	No. 1307, 13th Floor, Building 4, Phase II of Tianan Yungu Industrial Park, Gangtou Community, Bantian Street, Longgang District, Shenzhen, China
Manufacturer	:	Shenzhen Maono Technology Co., Ltd.
Address	:	No. 1307, 13th Floor, Building 4, Phase II of Tianan Yungu Industrial Park, Gangtou Community, Bantian Street, Longgang District, Shenzhen, China
Factory	:	Guangdong Dingchuang Smart Manufacturing Co., Ltd.
Address	:	Room 401, Building 8, Tian An Digital City, Fenggang Section 208 Dongshen Road, Fenggang Town, Dongguan City, Guangdong Province, China

## 1.2. Description of Device (EUT)

Product Name	:	WIRELESS CONDENSER MICROPHONE
Model No.	:	DM40, DM40 Pro, DM40 S, DM40 T, DM40 Pro S, DM40 Pro T, DM40 Neo, DM40 Neo S, DM40 Neo T, DM40 Lite, DM40 Lite S, DM40 Lite T, DM40 Ultra, DM40 Ultra S, DM40 Ultra T (Note: All samples are the same except the model number & appearance color, so we prepare "DM40" for test only.)
Trade Mark	:	N/A
Test Power Supply	:	DC 3.7V battery inside
Test Sample No.	:	1-2-1(Normal Sample), 1-2-2(Engineering Sample)
Adapter	:	N/A
<b>SRD</b>		
Operation Band	:	2402MHz to 2480MHz
Modulation Type	:	GFSK
<b>Remark:</b> 1) All of the RF specification are provided by customer. 2) For a more detailed features description, please refer to the manufacturer's specifications or the User's Manual.		



### 1.3. Auxiliary Equipment Used During Test

Title	Manufacturer	Model No.	Serial No.
/	/	/	/

### 1.4. Description of Test Facility

The test facility is recognized, certified, or accredited by the following organizations:

#### **FCC-Registration No.: 434132**

Shenzhen Anbotek Compliance Laboratory Limited, EMC Laboratory has been registered and fully described in a report filed with the (FCC) Federal Communications Commission. The acceptance letter from the FCC is maintained in our files. Registration No. 434132.

#### **ISED-Registration No.: 8058A**

Shenzhen Anbotek Compliance Laboratory Limited, EMC Laboratory has been registered and fully described in a report filed with the (ISED) Innovation, Science and Economic Development Canada. The acceptance letter from the ISED is maintained in our files. Registration 8058A.

#### **Test Location**

Shenzhen Anbotek Compliance Laboratory Limited.  
Sogood Industrial Zone Laboratory & 1/F. of Building D, Sogood Science and Technology Park,  
Sanwei Community, Hangcheng Subdistrict, Bao'an District, Shenzhen, Guangdong, China.

### 1.5. Disclaimer

1. The test report is invalid if not marked with the signatures of the persons responsible for preparing and approving the test report.
2. The test report is invalid if there is any evidence and/or falsification.
3. The results documented in this report apply only to the tested sample, under the conditions and modes of operation as described herein.
4. This document may not be altered or revised in any way unless done so by Anbotek and all revisions are duly noted in the revisions section.
5. Content of the test report, in part or in full, cannot be used for publicity and/or promotional purposes without prior written approval from the laboratory.
6. The authenticity of the information provided by the customer is the responsibility of the customer and the laboratory is not responsible for its authenticity.

The laboratory is only responsible for the data released by the laboratory, except for the part provided by the applicant.



## 2. General Product Information

### 2.1. Product Function and Intended Use

The submitted sample is wireless transceiver includes transmitter and receiver.

### 2.2. Ratings and System Detail

Transmitter		
Frequency Range	:	2402MHz to 2480MHz
Power Supply	:	DC 3.7V Battery inside



### 3. EN 50663/ EN 62479 Requirement

#### 3.1. General Description of Applied Standards

This European Standard provides simple conformity assessment methods for low-power electronic and electrical equipment operating at frequencies between 10 MHz and 300 GHz to an electromagnetic field (EMF) exposure limit. If such equipment cannot be shown to comply with the applicable EMF exposure requirements using the exposure assessment methods in this standard, then other EMF product standards may be used for conformity assessment

#### 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:

Equipment complying with the requirements for the general public is deemed to comply with the requirements for workers without further testing.

The conformity assessment to demonstrate equipment compliance shall be made according to EN 62479:2010,4.1 and Clause 6.

If routes B,C or D of 4.1 of EN 62479: 2010 are followed then the values of Pmax. as described in 4.2 of EN 62479:2010 and given in Annex A of EN 62479:2010,shall be replaced by those in Table 1 below.

Table 1 — Values of Pmax

Exposure tier	Region of body	Pmax (mW)
General public	Head and trunk	20
	Limbs	40
Workers	Head and trunk	100
	Limbs	200

P max = 20 mW (13.1dBm) 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 4s.2.



3.3.2. Test result

The EIRP maximum value of the EUT is -0.01dBm (0.99mW), 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 1812C40127012504W.

----- End of Report -----

