



中国认可
国际互认
检测
TESTING
CNAS L12076

Test Report

Product: Wireless microphone

Trade Mark: maono

Model Number: PD100W

Prepared for

Shenzhen Maono Technology Co., Ltd.
No. 1307, 13th Floor, Building 4, Phase II of Tianan Yungu
Industrial Park, Gangtou Community, Bantian Street, Longgang District,
Shenzhen, China

Prepared by

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Table of Contents

1 GENERAL DESCRIPTION 5

1.1 DESCRIPTION OF EUT 5

1.2 TEST MODE..... 5

1.3 TEST SETUP 6

1.4 ANCILLARY EQUIPMENT 6

2 TEST FACILITIES AND ACCREDITATIONS 7

2.1 TEST LABORATORY 7

2.2 ENVIRONMENTAL CONDITIONS 7

2.3 TEST SOFTWARE 7

3 LIST OF TEST EQUIPMENT 8

4 TEST ITEM AND RESULTS 9

4.1 STANDARD REQUIREMENT 9

4.1.1 General information 9

4.1.2 Limits 9

4.1.3 Test Result..... 10

TEST RESULT CERTIFICATION

Applicant's Name..... : Shenzhen Maono Technology Co., Ltd.
No. 1307, 13th Floor, Building 4, Phase II of Tianan Yungu
Address : Industrial Park, Gangtou Community, Bantian Street, Longgang
District, Shenzhen, China
Manufacturer's Name : Shenzhen Maono Technology Co., Ltd.
No. 1307, 13th Floor, Building 4, Phase II of Tianan Yungu
Address : Industrial Park, Gangtou Community, Bantian Street, Longgang
District, Shenzhen, China

Product description

Product name : Wireless microphone
Model Number : PD100W
Standards : EN 50663:2017
EN 62479:2010
Test procedure..... : N/A

This device described above has been tested by Shenzhen HongBiao Certification& Testing Co., Ltd and the test results show that the equipment under test (EUT) is in compliance with the EMC requirements. And it is applicable only to the tested sample identified in the report.

Date of Test

Date (s) of performance of tests : Sept. 15, 2025~Oct. 11, 2025
Test Result..... : **Pass**

Testing Engineer :

Zoe su

(Z o e S u)

Technical Manager :

Ming Liu

(Ming Liu)

Authorized Signatory :

Leo

(L e o S)



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1 General Description

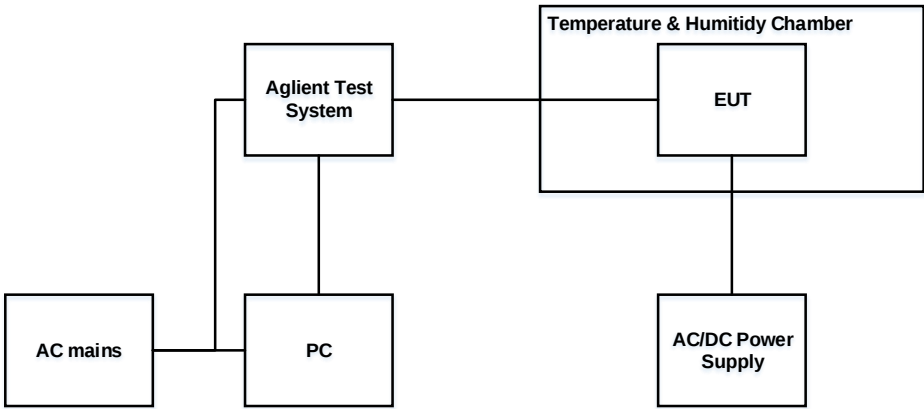
1.1 Description of EUT

Product name:	Wireless microphone
Model name:	PD100W
Series Model:	PD100W S, PD100W T, PD100W Pro, PD100W Neo, PD100W RGB, PD100W RGB S, PD100W Pro S, PD100W Neo S, PD100W Plus, PD100W Pro T, RC-1, RL-1, RA-1
Different of series model:	All the models are the same circuit and module, except the model No..
Operation frequency:	Receiver: 2402-2480MHz Dynamic Microphone: 2402-2480MHz
Modulation type:	GFSK
Bit Rate of transmitter:	1 Mbps
Antenna type:	Receiver: FPC Antenna Dynamic Microphone: Chip Antenna
Antenna gain:	Receiver: 0.03dBi Dynamic Microphone: 2.71dBi
EIRP Max. output power:	Receiver: 1.5dBm Dynamic Microphone: 1.11dBm
Hardware version:	V1.0
Software version:	V1.0
Battery:	Dynamic Microphone: DC 3.7V, 1500mAh, 5.55Wh
Power supply:	For Dynamic Microphone: Powered by internal battery For Dynamic Microphone: Input DC 5V/1A For Receiver: Input DC 5V/12mA Battery for Dynamic Microphone: DC 3.7V, 1500mAh, 5.55Wh
Adapter information:	N/A

1.2 Test Mode

Test Mode	Description of Mode
1	TX

1.3 Test Setup



1.4 Ancillary Equipment

No.	Equipment	Model	S/N	Manufacturer
1	/	/	/	/

No.	Shielded Type	Ferrite Core	Length	Note
1	/	/	/	/

2 Test Facilities and Accreditations

2.1 Test Laboratory

Test Site:	Shenzhen HongBiao Certification& Testing Co., Ltd
Test Site Location:	Room 102, 201, Building 2, Yuanwanggu RFID Industrial Park, Tongguan Road, Tianliao Community, Yutang Street, Guangming District, Shenzhen, China
Telephone:	(86-755) 2998 9321
Fax:	(86-755) 2998 5110
CNAS Registration No.:	L12076

2.2 Environmental Conditions

During the measurement the environmental conditions were within the listed ranges:

Temperature:	15°C~35°C
Relative Humidity:	20%~75%
Air Pressure:	98kPa~101kPa

Receiver	
Test Conditions	Normal
Temperature (°C)	25
Power supply (Vdc)	5
Dynamic Microphone	
Test Conditions	Normal
Temperature (°C)	25
Power supply (Vdc)	3.7
Note:	
1. Testing shall be made under normal test conditions	

2.3 Test Software

Software name	Manufacturer	Model	Version
RF Test System	MWRF	MTS 8310	2.0.0.0

3 List of Test Equipment

RF							
Item	Equipment No.	Equipment name	Manufacturer	Model	Serial No.	Calibration date	Due date
1	HB-E041	MXG Anaio Signal Generator	Agilent	N5181A	MY47070421	2025-05-07	2026-05-06
2	HB-E042	WIDEBAND RADIO COMMUNICA TION TESTER	R&S	CMW500	132108	2025-05-08	2026-05-07
3	HB-E043	MXG Anaio Signal Generator	Agilent	N5182A	US46240335	2025-05-08	2026-05-07
4	HB-E044	Signal & spectrum Analyzer	R&S	FSV3044	101264	2025-05-07	2026-05-06
5	HB-E045	RF Control Box	Noyetec	NY100-R FCB	N/A	2025-05-08	2026-05-07
6	HB-E058	Thermometer Clock Humidity Monitor	N/A	HTC-1S	N/A	2025-05-09	2026-05-08

Note: the calibration interval of the above test instruments is 12 months and the calibrations are traceable to international system unit (SI).

4 Test Item And Results

4.1 Standard Requirement

4.1.1 General information

EN 50663:2017 Generic standard for assessment of low power electronic and electrical equipment related to human exposure restrictions for electromagnetic fields (10 MHz - 300 GHz).

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).

Compliance of electromagnetic emissions from electronic and electrical equipment with the basic restrictions usually is determined by measurements and, in some cases, calculation of the exposure level. If the electrical power used by or radiated by the equipment is sufficiently low, the electromagnetic fields emitted will be incapable of producing exposures that exceed the basic restrictions. This standard provides simple EMF assessment procedures for this low power equipment.

Four routes described as follows, can be used to demonstrate compliance with this standard:

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 ($P_{\max}$).

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 ($P_{\max}$).

D Measurements or calculations show that the available antenna power and/or the average total radiated power are below the low-power exclusion level ($P_{\max}$).

4.1.2 Limits

Low-power exclusion level ($P_{\max}$):

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 $P_{\max}$.

Guideline / Standard	SAR limit, SAR _{max} W/kg	Averaging mass, mg	Pmax	Exposure tier	Region of body
IEEE Std C95.1-2005	2	10	20	Action level	Body except extremities and pinnae
	4	10	40	Action level	Extremities and pinnae
	10	10	100	Controlled environment	Body except extremities and pinnae
	20	10	200	Controlled environment	Extremities and pinnae

4.1.3 Test Result

Receiver

The Maximum EIRP of this EUT is for **2.4GHz: 1.41mW (1.5dBm)**, the power is below the low-power exclusion level 20mW, so we can suppose the EUT cannot produce exposures that exceed the restriction limit.

Dynamic Microphone

The Maximum EIRP of this EUT is for **2.4GHz: 1.29mW (1.11dBm)**, the power is below the low-power exclusion level 20mW, so we can suppose the EUT cannot produce exposures that exceed the restriction limit.

***** END OF REPORT *****