



RF Exposure Report

FCC ID: 2AR2SAX700

Applicant: MMD Hong Kong Holding Limited

Address: Units 1208-11, 12th Floor, C-Bons International Center, 108 Wai Yip Street, Kwun Tong, Kowloon, Hong Kong

Manufacturer: MMD Hong Kong Holding Limited

Address: Units 1208-11, 12th Floor, C-Bons International Center, 108 Wai Yip Street, Kwun Tong, Kowloon, Hong Kong

Product: Party Speaker

Brand: AOC

Test Model(s): AX700W/10

Series Model(s): AX701B/10, AX701U/10, AX700x/yy, AX701x/yy (x=A-Z or NiL, yy=00-99 or NiL for country code)

Test Date: Jan. 10, 2023 ~ Feb. 19, 2023

Issued Date: Mar. 13, 2023

Issued By: Hwa-Hsing (Dongguan) Testing Co., Ltd.

Address: No.101, Bld N1, Yuyuan 2Rd, Yuyuan Industrial Park, HuangJiang Town, Dongguan, China

Test Firm Registration No.: 915896

Standards: FCC Part 2 (Section 2.1091)
KDB 447498 D01
IEEE C95.1

The above equipment has been tested by **Hwa-Hsing (Dongguan) Testing Co., Ltd.**, and found compliance with the requirement of the above standards. The test record, data evaluation & Equipment Under Test (EUT) configurations represented herein are true and accurate accounts of the measurements of the sample's EMC characteristics under the conditions specified in this report.

Prepared by :

Niny Zhang

Reviewed by :

Tank Tan

Approved by :

Scott He



"This report is for your exclusive use. Any copying or replication of this report to or for any other person or entity, or use of our name or trademark, is permitted only with our prior written permission. This report sets forth our findings solely with respect to the test samples identified herein. Our report includes all the tests requested by you and the results thereof based upon the information that you provided to us. The report would be invalid without specific stamp of test institute and the signatures of tester and approver."



Table of contents

Release control record	3
1 General Information	4
1.1 General Description of EUT	4
2 RF exposure limit	5
2.1 MPE calculation formula	5
3 Calculation result of maximum conducted power	6
Appendix – Information on the Testing Laboratories	7



HWA-HSING Test Report No.: 221226KH23-SE-US-01

Release control record

Issue No.	Reason for change	Date issued
221226KH23-SE-US-01	Original Release	Mar. 13, 2023



HWA-HSING Test Report No.: 221226KH23-SE-US-01

1 General Information

1.1 General Description of EUT

Product	Party Speaker
Test Model(s)	AX700W/10
Sample No.	HS230111-02-01
Series Model(s)	AX701B/10, AX701U/10, AX700x/yy, AX701x/yy (x=A-Z or NiL, yy=00-99 or NiL for country code)
Status of EUT	Engineering Prototype
Power Supply Rating	AC 100-240V~ 50/60Hz 50W
Modulation Type	GFSK, $\pi/4$ DQPSK, 8DPSK for FHSS GFSK for DTS
Transfer Rate	1/2/3Mbps
Operating Frequency	2402 ~ 2480MHz
Number of Channel	BLE: 40 EDR: 79
Maximum Output Power (Average)	BLE: 3.36dBm EDR: 4.60dBm
Antenna Type	FPC Antenna
Antenna Gain	2.14dBi
Antenna Connector	N/A
Accessory Device	N/A
Data Cable Supplied	European gauge line: Unshielded, Detachable, 150cm British standard line: Unshielded, Detachable, 150cm

Note:

1. Please refer to the EUT photo document (Reference No.: 221226KH23) for detailed product photo.
2. The above EUT information is declared by manufacturer and for more detailed features description, please refer to the manufacturer's specifications or User's Manual.
3. Model difference:

Model name	Differences
AX700W/10, AX700x/yy (x=A-Z or NiL, yy=00-99 or NiL for country code)	With Light effect, without cart
AX701B/10, AX701U/10, AX701x/yy (x=A-Z or NiL, yy=00-99 or NiL for country code)	Without Light effect, with cart
All models are identical except for the differences described above and color.	



2 RF exposure limit

Limits for maximum permissible exposure (MPE)

Limits for general population / uncontrolled exposure				
Frequency range (MHz)	Electric field strength (V/m)	Magnetic field strength (A/m)	Power density (mW/cm ²)	Average time (minutes)
300-1500	F/1500	30
1500-100,000	1.0	30
Note: F = Frequency in MHz				

2.1 MPE calculation formula

$$Pd = (Pout * G) / (4 * \pi * r^2)$$

Where:

Pd = power density in mW/cm²

Pout = output power to antenna in mW

G = gain of antenna in linear scale

Pi = 3.1416

R = distance between observation point and center of the radiator in cm

Classification:

The antenna of this product, under normal use condition, is at least 20cm away from the body of the user.



HWA-HSING Test Report No.: 221226KH23-SE-US-01

3 Calculation result of maximum conducted power

The antennas provided to the EUT, please refer to the following table:

Function	Frequency Band	Antenna Gain (dBi)	Antenna Type	Transmit and Receive Chain	Maximum Power(dBm)
Bluetooth	2400~2483.5MHz	2.14	FPC	1TX,1RX	4.60

Frequency band (MHz)	Max power (mW)	Antenna gain (dBi)	Distance (cm)	Power density (mW/cm ²)	Limit (mW/cm ²)
2400~2483.5MHz	2.8840	2.14	20	0.000939	1.0

Conclusion:

Therefore, the worst-case situation is 0.000939 mW/cm², which is less than "1". This confirmed that the device compliance with FCC 1.1310 MPE limit.



HWA-HSING Test Report No.: 221226KH23-SE-US-01
Appendix – Information on the Testing Laboratories

We, [Hwa-Hsing \(Dongguan\) Co., Ltd.](#), A global provider of TESTING and CERTIFICATION services for consumer products, electronic products and wireless information technology products. Adhering to the core values “HONEST and TRUSTWORTHY, OBJECTIVE and IMPARTIALITY, RIGOROUS and AFFICIENT”, commitment to provide professional, perfect and efficient comprehensive ONE-STOP solution of TESTING and CERTIFICATION services for Manufacturers, Buyers, Traders, Brands, Retailers. Assist client to better manage risk, protect their brands, reduce costs and cut time to over 150 markets in global. Our laboratories are FCC recognized accredited test firms and accredited and approved according to ISO/IEC 17025.

If you have any comments, please feel free to contact us at the following:

Lab Address: [No.101, Bld N1, Yuyuan 2Rd, Yuyuan Industrial Park, HuangJiang Town, Dongguan, China](#)

Contact Tel: [0769-83078199](tel:0769-83078199)

Email: Customerservice.dg@hwa-hsing.com

Web Site: www.hwa-hsing.com

--- END ---