

TEST REPORT

Product Name : Party speaker
TAX5000, TAX5000/12, TAX5000/37,
TAX5000/10, TAX5000/78, TAX5000/98,
Model Number : TAX5000x/yy (x=A-E or nil, for production or
package colour, yy=00-99 or Nil, for country
code)
FCC ID : 2AR2STAX5000

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

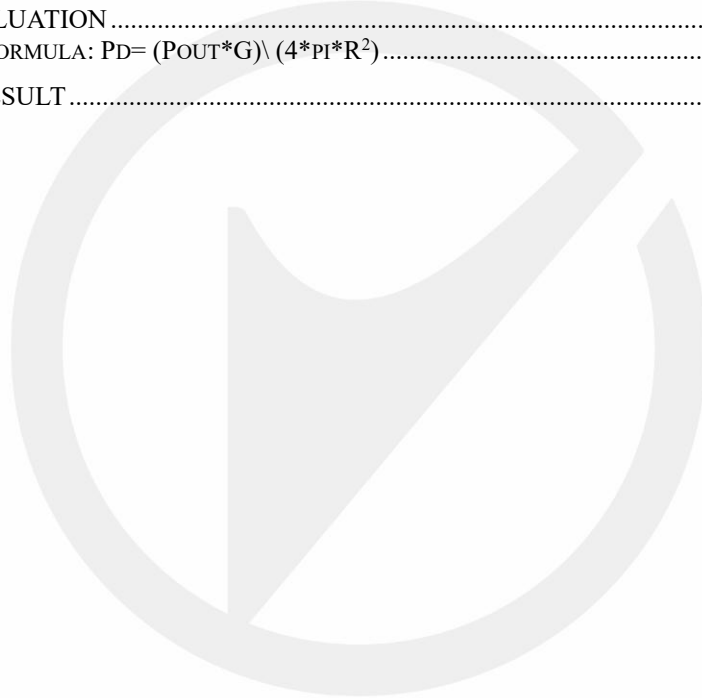
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Report Number : ENS2506120049W01103R
Date of sample receipt : June 16, 2025
Date(s) of Tests : June 16, 2025 to June 30, 2025
Date of issue : June 30, 2025

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1. TEST RESULT CERTIFICATION

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
Factory : Dongguan HC Technology Co., Ltd.
Address : No.8, Hongjin Road, Hongmei Town, Dongguan, Guangdong, China
EUT : Party speaker
Model Name : TAX5000, TAX5000/12, TAX5000/37, TAX5000/10, TAX5000/78, TAX5000/98, TAX5000x/yy (x=A-E or nil, for production or package colour, yy=00-99 or Nil, for country code)

Trademark : 
PHILIPS,

Measurement Procedure Used:

APPLICABLE STANDARDS	
STANDARD	TEST RESULT
§ 15.247(i), § 2.1093	PASS

The above equipment was tested by EMTEK(DONGGUAN) CO., LTD. The test data, data evaluation, test procedures, and equipment configurations shown in this report were made in accordance with the procedures given in ANSI C63.10 (2013) and the energy emitted by the sample EUT tested as described in this report is in compliance with the requirements of FCC Rules FCC § 15.247(i), § 2.1093.

The test results of this report relate only to the tested sample identified in this report

Date of Test : June 16, 2025 to June 30, 2025

Prepared by : 
Una Yu /Editor

Reviewer : 
Joe Xia/Supervisor

Approve & Authorized Signer : 
Lisa Wang/Manager



Modified History

Version	Report No.	Revision Date	Summary
	ENS2506120049W01102R	/	Original Report



2. EUT Specification

Characteristics	Description
Product:	Party speaker
Model Number:	TAX5000, TAX5000/12, TAX5000/37, TAX5000/10, TAX5000/78, TAX5000/98, TAX5000x/yy (x=A-E or nil, for production or package colour, yy=00-99 or Nil, for country code) (Note: Only the model of TAX5000/37 was tested, since the electrical circuit design, layout, components used and internal wiring are identical, only the color of appearance, model name and country code different.)
Sample:	1#
Data Rate:	BLE: 1Mbps for GFSK modulation 2Mbps for GFSK modulation BT: 1Mbps for GFSK modulation 2Mbps for $\pi/4$ -DQPSK modulation
Modulation:	BLE: GFSK BT: GFSK, $\pi/4$ -DQPSK
Operating Frequency Range(s) :	2402-2480MHz
Number of Channels:	79 channels
Transmit Power Max:	1.67 dBm(0.001469 W) for BT -0.08 dBm(0.000982 W) for BLE
Antenna Gain:	4.61 dBi
Power supply:	AC 100~240V 50/60Hz DC 7.4V from battery
Evaluation applied:	☒ MPE Evaluation ☐ SAR Evaluation

3. Test Requirement

RF EXPOSURE EVALUATION

According to FCC 1.1310: The criteria listed in the following table shall be used to evaluate the environment impact of human exposure to radio frequency(RF) Radiation as specified in §1.1307(b)

Limits for Maximum Permissible Exposure (MPE)

Frequency Range(MHz)	Electric Field Strength(V/m)	Magnetic Field Strength(A/m)	Power Density(mW/cm ²)	Average Time
(A) Limits for Occupational/Control Exposures				
300-1500	--	--	F/300	6
1500-100000	--	--	5	6
(B) Limits for General Population/Uncontrol Exposures				
300-1500	--	--	F/1500	6
1500-100000	--	--	1	30

Friis transmission formula: $P_d = (P_{out} \cdot G) / (4 \cdot \pi \cdot R^2)$

Where

P_d = Power density in mW/cm²

P_{out} =output power to antenna in mW

G = Numeric gain of the antenna relative to isotropic antenna

π =3.1416

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

P_d the limit of MPE, 1mW/cm². If we know the maximum gain of the antenna and total power input to the antenna, through the calculation, we will know the distance where the MPE limit is reached.

4. Measurement Result

gain:	4.61 dBi	BT EMF						
Mode	Frequency (MHz)	Output Power (dBm)	E.I.R.P(dBm)	Target Power W/tolerance (dBm)	Max tune up power(dBm) tolerance	Power Density at R=20cm (mW/cm ²)	Limit (mW/cm ²)	Verdict
GFSK	2402	-1.17	3.44	3±1	4	0.7786038	1	PASS
	2441	-0.39	4.22	4±1	5	0.9881295	1	PASS
	2480	-0.49	4.12	4±1	5	0.9959920	1	PASS
π/4-DQPSK	2402	0.89	5.50	5±1	6	1.2340038	1	PASS
	2441	1.67	6.28	6±1	7	1.5660798	1	PASS
	2480	1.56	6.17	6±1	7	1.5785409	1	PASS

gain:	4.61 dBi	BLE EMF						
Mode	Frequency (MHz)	Output Power (dBm)	E.I.R.P(dBm)	Target Power W/tolerance (dBm)	Max tune up power(dBm) tolerance	Power Density at R=20cm (mW/cm ²)	Limit (mW/cm ²)	Verdict
1M	2402	-1.07	3.54	3±1	4	0.7786038	1	PASS
	2441	-0.19	4.42	4±1	5	0.9881295	1	PASS
	2480	-0.39	4.22	4±1	5	0.9959920	1	PASS
2M	2402	-1.03	3.58	3±1	4	0.7786038	1	PASS
	2441	-0.08	4.53	4±1	5	0.9881295	1	PASS
	2480	-0.33	4.28	4±1	5	0.9959920	1	PASS

According to KDB 447498, no stand-alone required for BT antenna, and no simultaneous SAR measurement

*** End of Report ***