

TEST REPORT

Product Name : Party speaker
TAX2000, TAX2000/00, TAX2000/37,
Model Number : TAX2000/10, TAX2000/98, TAX2000/yy(yy=00-99
or Nil, for country code)
FCC ID : 2AR2STAX2000

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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 : TAX2000, TAX2000/00, TAX2000/37, TAX2000/10, TAX2000/98, TAX2000/yy(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 (SHENZHEN) 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 : April 20, 2025 to May 15, 2025



Prepared by : Una Yu /Editor



Reviewer : Joe Xia/Supervisor



Approve & Authorized Signer : Lisa Wang/Manager



Modified History

Version	Report No.	Revision Date	Summary
	ENS2504180062W01102R	/	Original Report



2. EUT Specification

Characteristics	Description
Product:	Party speaker
Model Number:	TAX2000, TAX2000/00, TAX2000/37, TAX2000/10, TAX2000/98, TAX2000/yy(yy=00-99 or Nil, for country code) (Note: Only the model of TAX2000/37 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:	-1.15 dBm(0.000767 W) for BT -3.04 dBm(0.000497 W) for BLE
Antenna Gain:	3.25 dBi
Power supply:	AC 100~240V 50/60Hz, DC7.4V from Battery
Evaluation applied:	☐ MPE Evaluation ☒ SAR Evaluation

3. Test Requirement

RF EXPOSURE EVALUATION

According to §15.247(i) and §1.1307(b)(1), systems operating under the provisions of this section shall be operated in a manner that ensures that the public is not exposed to radio frequency energy level in excess of the Commission's guidelines.

The 1-g and 10-g SAR test exclusion thresholds for 100 MHz to 6 GHz at *test separation distances* ≤ 50 mm are determined by:

$$[(\text{max. power of channel, including tune-up tolerance, mW}) / (\text{min. test separation distance, mm})] \cdot [\sqrt{f_{(\text{GHz})}}] \leq 3.0 \text{ for 1-g SAR and } \leq 7.5 \text{ for 10-g extremity SAR,}^{24} \text{ where}$$

- $f_{(\text{GHz})}$ is the RF channel transmit frequency in GHz
- Power and distance are rounded to the nearest mW and mm before calculation²⁵
- The result is rounded to one decimal place for comparison
- 3.0 and 7.5 are referred to as the numeric thresholds in the step 2 below

The test exclusions are applicable only when the minimum *test separation distance* is ≤ 50 mm and for transmission frequencies between 100 MHz and 6 GHz. When the minimum *test separation distance* is < 5 mm, a distance of 5 mm according to 5) in section 4.1 is applied to determine SAR test exclusion.

Routine SAR evaluation refers to that specifically required by § 2.1093, using measurements or computer simulation. When routine SAR evaluation is not required, portable transmitters with output power greater than the applicable low threshold require SAR evaluation to qualify for TCB approval. One antenna is available for the EUT. The minimum separation distance is 5mm.

4. Measurement Result

gain:	3.25 dBi	BT EMF						
Mode	Frequency (MHz)	Measured Power (dBm)	E.I.R.P.(dBm)	Tune upPower (dBm)	Max tune up power(dBm)	Calculation Result	1-g SAR	Verdict
GFSK	2402	-3.19	0.06	0±1	1	0.3902263	3	PASS
	2441	-3.35	-0.10	-1±1	0	0.3124740	3	PASS
	2480	-3.06	0.19	0±1	1	0.3965115	3	PASS
$\pi/4$ -DQPSK	2402	-1.30	1.95	1±1	2	0.4912658	3	PASS
	2441	-1.25	2.00	2±1	3	0.6234676	3	PASS
	2480	-1.15	2.10	2±1	3	0.6284284	3	PASS

gain:	3.25 dBi	BLE EMF						
Mode	Frequency (MHz)	Measured Power (dBm)	E.I.R.P.(dBm)	Tune upPower (dBm)	Max tune up power(dBm)	Calculation Result	1-g SAR	Verdict
1M	2402	-3.30	-0.05	-1±1	0	0.3099677	3	PASS
	2441	-3.48	-0.23	-1±1	0	0.3124740	3	PASS
	2480	-3.12	0.13	0±1	1	0.3965115	3	PASS
2M	2402	-3.25	0.00	0±1	1	0.3902263	3	PASS
	2441	-3.18	0.07	0±1	1	0.3933009	3	PASS
	2480	-3.04	0.21	0±1	1	0.3965115	3	PASS

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

*** End of Report ***