

TEST REPORT

Product Name : Party speaker
Model Number : TAX4000/37, TAX4000, TAX4000/78,
TAX4000/yy(yy=00-99 or Nil,for country code)
FCC ID : 2AR2STAX4000

Prepared for : MMD Hong Kong Holding Limited
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Table of Contents

1. TEST RESULT CERTIFICATION	3
2. EUT SPECIFICATION	5
3. TEST REQUIREMENT	6
RF EXPOSURE EVALUATION	6
4. MEASUREMENT RESULT	7



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 : TAX4000/37, TAX4000, TAX4000/78, TAX4000/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(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 : February 22, 2025 to March 18, 2025

Prepared by : Warren Deng
Warren Deng /Editor

Reviewer : Tim Dong
Tim Dong /Supervisor

Approve & Authorized Signer :  
Sam Lv / Manager

Modified History

Version	Report No.	Revision Date	Summary
	EDG2501130244E00202R	/	Original Report



2. EUT Specification

Characteristics	Description
Product:	Party speaker
Model Number:	TAX4000/37, TAX4000, TAX4000/78, TAX4000/yy(yy=00-99 or Nil,for country code) (Note: Only the model of TAX4000/37 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 diferent.)
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:	1.35 dBm(0.001365 W) for BT 2.42 dBm(0.001746 W) for BLE
Antenna Gain:	3.53 dBi
Power supply:	AC 100~240V 50/60Hz
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:

$[(\text{max. power of channel, including tune-up tolerance, mW})/(\text{min. test separation distance, mm})] \cdot [\sqrt{f_{(\text{GHz})}}] \leq 3.0$ for 1-g SAR and ≤ 7.5 for 10-g extremity SAR,²⁴ 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:	3.53 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	Max tuneup power(mW) tolerance	Power Density at R=20cm (mW/cm ²)	Limit (mW/cm ²)	Verdict
GFSK	2402	-3.99	-0.46	-1±1	0	1.00	0.000448	1	PASS
	2441	-4.82	-1.29	-2±1	-1	0.79	0.000356	1	PASS
	2480	-1.66	1.87	1±1	2	1.58	0.000711	1	PASS
π/4-DQPSK	2402	0.81	4.34	4±1	5	3.16	0.001418	1	PASS
	2441	1.35	4.88	4±1	5	3.16	0.001418	1	PASS
	2480	1.27	4.8	4±1	5	3.16	0.001418	1	PASS

gain:	3.53 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	Max tuneup power(mW) tolerance	Power Density at R=20cm (mW/cm ²)	Limit (mW/cm ²)	Verdict
1M	2402	1.92	5.45	5±1	6	3.98	0.001785	1	PASS
	2441	2.42	5.95	5±1	6	3.98	0.001785	1	PASS
	2480	2.35	5.88	5±1	6	3.98	0.001785	1	PASS
2M	2402	1.89	5.42	5±1	6	3.98	0.001785	1	PASS
	2441	2.39	5.92	5±1	6	3.98	0.001785	1	PASS
	2480	2.35	5.88	5±1	6	3.98	0.001785	1	PASS

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

*** End of Report ***