



Test Report No.:
FCC2023-0024-H/R1

Test Report

EUT : **Soundbar speaker**

MODEL : **TAB7568/37**

ADDITIONAL MODEL : **See section 2.1**

BRAND NAME : **PHILIPS**

APPLICANT : **MMD Hong Kong Holding Limited**

Classification Of Test : **N/A**

CVC Testing Technology Co., Ltd.



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Client		Name : 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		Name : MMD Hong Kong Holding Limited	
		Address : Units 1208-11, 12th Floor, C-Bons International Center, 108 Wai Yip Street, Kwun Tong, Kowloon, Hong Kong	
Equipment Under Test		Name : Soundbar speaker	
		Model/Type: TAB7568/37	
		Additional Model: See section 2.1	
		Brand : PHILIPS	
		Serial NO.: N/A	
		Sampe NO.:4-1	
Date of Receipt.	2023.02.10	Date of Testing	2023.02.10~2023.03.15
Test Specification		Test Result	
FCC Part 2 (Section 2.1091) KDB 447498 D01 IEEE C95.1		PASS	
Evaluation of Test Result	The equipment under test was found to comply with the requirements of the standards applied.		
	Seal of CVC Issue Date: 2023.06.06		
Tested by:	Reviewed by:	Approved by:	
Xu ZhenFei	Liu YongHai	Chen HuaWen	
Name Signature	Name Signature	Name Signature	
Other Aspects: NONE.			
Abbreviations:OK, Pass= passed Fail = failed N/A= not applicable EUT= equipment, sample(s) under tested			

This test report relates only to the EUT, and shall not be reproduced except in full, without written approval of CVC.



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RELEASE CONTROL RECORD

ISSUE NO.	REASON FOR CHANGE	DATE ISSUED
FCC2023-0024-H	Original release	2023.05.08
FCC2023-0024-H/R1	Add product information	2023.06.06

This report replaces the report No.FCC2023-0024-H after issuance.



1. GERTIFICATION

Product	Soundbar speaker
Model	TAB7568/37
Additional Model	TAB7568, TAB7568/12, TAB7568/98, TAB7568/yy(yy=00-99 or Nil ,for country code)
FCC ID	2AR2STAB7568
Status of EUT	Engineering Prototype
Power Supply Rating	Soundbar: AC 110~240V~, 50~60Hz, 43W Subwoofer: AC 110~240V~, 50~60Hz, 70W
Modulation Type	BT: GFSK, $\pi/4$ DQPSK, 8DPSK for FHSS 5.8G SRD: GFSK
Transfer Rate	BT: 1/2/3Mbps
Operating Frequency	BT: 2402 ~ 2480MHz 5.8G SRD: 5729~5851MHz
Number of Channel	BT: 79 5.8G SRD: 63
Maximum Output Power	BT: -8.69dBm(Average) 5.8G SRD: 104.13dBuV/m
Antenna Type	BT: PCB Antenna 5.8G SRD: MONO POLE Antenna
Antenna Gain	2.4G: 1dBi 5.8G SRD: 1.55dBi
Antenna Connector	N/A
Accessory Device	N/A
Data Cable Supplied	AC Cable:1.5m*2, Remote Control*1, Battery AAA 1.5V*2, HDMI Cable 1.5m*1; RCA Cable 5.05m*2.

Note:

1. Please refer to the EUT photo document (Reference No.FCC2023-0024-E 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: All models are identical except model name and country destination for marketing purpose.

2. RF EXPOSURE LIMIT

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 (minutes)
LIMITS FOR GENERAL POPULATION / UNCONTROLLED EXPOSURE				
300-1500	F/1500	30
1500-100,000	1.0	30

F = Frequency in MHz



3. 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

4. CLASSIFICATION

The antenna of this product, under normal use condition, is at least 20cm away from the body of the user. So, this device is classified as **Mobile Device**.

5. CALCULATION RESULT OF MAXIMUM CONDUCTED POWER

Function	Frequency Band	Antenna Gain (dBi)	Antenna Type	Transmit and Receive Chain	Maximum AVG Power
Bluetooth	2400~2483.5MHz	1	PCB	1TX,1RX	-8.69 dBm
5.8G SRD	5729~5851MHz	1.55	MONO POLE	1TX	104.13dBuV/m

Frequency band (MHz)	Max power (mW)	Antenna gain (dBi)	Distance (cm)	Power density (mW/cm ²)	Limit (mW/cm ²)
2400~2483.5MHz	0.1353	1	20	0.000027	1.0
5729~5851MHz	7.765	1.55	20	0.002394	1.0

Conclusion:

Therefore, the worst-case situation is 0.002394 mW/cm², which is less than "1". This confirmed that the device compliance with FCC 1.1310 MPE limit.



Important

- (1) The test report is valid with the official seal of the laboratory and the signatures of Test engineer, Author and Reviewer simultaneously.
- (2) The test report is invalid if altered.
- (3) Any photocopies or part photocopies in the test report are forbidden without the written permission from the laboratory.
- (4) Objections to the test report must be submitted to the laboratory within 15 days.
- (5) Generally, commission test is responsible for the tested samples only.
- (6) Any photocopies or part photocopies of the test report are forbidden without the written permission from CVC;

Address of the laboratory:

CVC Testing Technology Co., Ltd.

Address: No.3, Tiantaiyi Road, Kaitai Avenue, Science City, Guangzhou, China

Post Code: 510663

Tel: 020-32293888

FAX: 020-32293889

E-mail: office@cvc.org.cn