FCC TEST REPORT
FCC ID: 2ALZL-AA5102

Product	:	MULTIMEDIA SPEAKER SYSTEM
Model Name	:	H3805
Brand	:	N/A
Report No.	:	PTC21032200702E-FC02

Prepared for

GOLDWOOD SOUND, INC.

9333 Oso Ave. CHATSWORTH, CA 91311

Prepared by

Precise Testing & Certification Co., Ltd

Building 1, No. 6, Tongxin Road, Dongcheng Street, Dongguan, Guangdong, China

TEST RESULT CERTIFICATION

Applicant's name	:	GOLDWOOD SOUND, INC.
Address	:	9333 Oso Ave. CHATSWORTH, CA 91311
Manufacture's name	:	Shenzhen City Enkor Electronics Ltd
Address	:	the 2nd&3rd floor,Building P and building Q,Shengguang Ind.park,152#Donghuan Road,Huangpu Xinqiao street,Bao'an District,Shenzhen,China.
Product name	:	MULTIMEDIA SPEAKER SYSTEM
Model name	:	H3805
Test procedure		KDB 447498 D01 General RF Exposure Guidance v06
Test Date	:	Apr 08, 2021 to Apr 28, 2021
Date of Issue	:	Apr 28, 2021
Test Result	:	Pass

This device described above has been tested by PTS, and the test results show that the equipment under test (EUT) is in compliance with the FCC requirements. And it is applicable only to the tested sample identified in the report.

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Test Engineer:

Leo Yang / Engineer

Technical Manager:

Chris Du / Manager

Contents

Page

2 Test Summary

Test Items	Test Requirement	Result
Maximum Permissible Exposure (Exposure of Humans to RF Fields)	1.1307(b)(1)	PASS
Remark:		
N/A: Not Applicable		

3 General Information

3.1 General Description of E.U.T.

Product Name	:	MULTIMEDIA SPEAKER SYSTEM
Model Name	:	H3805，AA5102 Note:The appearance of the color is different, other electrical principles are consistent.
Operation Frequency	:	2402-2480MHz
Bluetooth Version	:	Bluetooth 5.0
Type of Modulation	:	GFSK, π /4-DQPSK, 8DPSK
Number of Channel	:	79
Antenna installation	:	PCB Antenna
Antenna Gain	:	-0.68 dBi
Power supply	:	Input:110V 60HZ
Hardware Version	:	N/A
Software Version	:	N/A

4 RF Exposure

Test Requirement : FCC Part 1.1307(b)(1)

Evaluation Method : FCC Part 2.1091

4.1 Requirements

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 levels in excess limit for maximum permissible exposure. In accordance with 47 CFR FCC Part 2 Subpart J, section 2.1091 this device has been defined as a mobile device whereby a distance of 0.2 m normally can be maintained between the user and the device.

4.2 The procedures / limit

(A) Limits for Occupational / Controlled Exposure

Frequency Range	Electric Field	Magnetic Field	Power Density (S)	Averaging Time
0.3-3.0	614	1.63	(100)*	6
3.0-30	1842 / f	4.89 / f	(900 / f)*	6
30-300	61.4	0.163	1.0	6
300-1500			F/300	6
1500-100,000			5	6

(B) Limits for General Population / Uncontrolled Exposure

Frequency Range	Electric Field	Magnetic Field	Power Density (S)	Averaging Time
0.3-1.34	614	1.63	(100)*	30
1.34-30	824/f	2.19/f	(180/f)*	30
30-300	27.5	0.073	0.2	30
300-1500			F/1500	30
1500-100,000			1.0	30

Note: f = frequency in MHz ; *Plane-wave equivalent power density

4.3 MPE Calculation Method

E (V/m) = $\frac{\sqrt{30 \times P \times G}}{d}$ Power Density: Pd (W/m²) = $\frac{E^2}{377}$

E = Electric field (V/m)

P = Peak RF output power (W)

G = EUT Antenna numeric gain (numeric)

d = Separation distance between radiator and human body (m)

The formula can be changed to

Pd = $\frac{30 \times P \times G}{377 \times d^2}$

From the peak EUT RF output power, the minimum mobile separation distance, d=0.2m, as well as the gain of the used antenna, the RF power density can be obtained

4.4 Test Result

Item	Antenna Gain (numeric)	Max. Peak Output Power (dBm)	Peak Output Power (mW)	Power Density (mW/cm2)	Limit of Power Density (mW/cm2)	Result
BT	0.86	-2.465	0.57	0.0001	1	Pass

********THE END REPORT********