



Report No.: PTC22041902301E-FC02

# FCC TEST REPORT

## FCC ID:2ALZL-AAT1000

Product	:	MULTIMEDIA SPEAKER SYSTEM
Model Name	:	AAT1000, AAT3003, AAT2002, AAT4004, H7921, H8801, H8802
Brand	:	N/A
Report No.	:	PTC22041902301E-FC02
<b>Prepared for</b>		
GOLDWOOD SOUND, INC.		
9333 Oso Ave. CHATSWORTH, CA 91311		
<b>Prepared by</b>		
Precise Testing & Certification Co., Ltd		
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## 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 : AAT1000, AAT3003, AAT2002, AAT4004, H7921, H8801, H8802

Test procedure : KDB 447498 D01 General RF Exposure Guidance v06

Test Date : May. 17, 2022 to Jul. 08, 2022

Date of Issue : Jul. 08, 2022

Test Result : PASS

This device described above has been tested by PTC, 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:

A handwritten signature in black ink that reads "Simon Pu".

Simon Pu / Engineer

Technical Manager:

A handwritten signature in black ink that reads "Ronnie Liu".

Ronnie Liu / Manager



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## 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	:	AAT1000
Additional model	:	AAT3003, AAT2002, AAT4004, H7921, H8801, H8802
Specification	:	BT 5.0 BDR+EDR
Operation Frequency	:	2402-2480MHz
Number of Channel	:	79 channels for BDR+EDR
Type of Modulation	:	GFSK, $\pi/4$ -DQPSK For DSS
Antenna installation	:	PCB antenna
Antenna Gain	:	-0.68 dBi
Rated Power Supply	:	AC 110V/60Hz
Test Power Supply	:	AC 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

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

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

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

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)	Tune up tolerance (dBm)	Max Tune Up Power (mW)	Power Density (mW/cm <sup>2</sup> )	Limit of Power Density (mW/cm <sup>2</sup> )	Result
EDR	0.86	-3.87	-3.87 ± 0.5	0.460257	0.000078	1	Pass

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