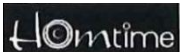




Report No.: PTC22072906401E-FC02

# FCC TEST REPORT

## FCC ID: 2A3X5-S1-AC

|                                                                               |   |                                                                                           |
|-------------------------------------------------------------------------------|---|-------------------------------------------------------------------------------------------|
| Product                                                                       | : | Clock Radio with Bluetooth Speaker and Power Outlets                                      |
| Model Name                                                                    | : | S1-AC                                                                                     |
| Brand                                                                         | : | Homtime  |
| Report No.                                                                    | : | PTC22072906401E-FC02                                                                      |
| <b>Prepared for</b>                                                           |   |                                                                                           |
| Shanghai Funner Electronic Technology Co., Ltd.                               |   |                                                                                           |
| Room 217, No.20, Lane 893 Changta Road, Songjiang District, Shanghai, China   |   |                                                                                           |
| <b>Prepared by</b>                                                            |   |                                                                                           |
| Precise Testing & Certification Co., Ltd                                      |   |                                                                                           |
| Building 1, No. 6, Tongxin Road, Dongcheng Street, Dongguan, Guangdong, China |   |                                                                                           |



Report No.: PTC22072906401E-FC02

## TEST RESULT CERTIFICATION

Applicant's name : Shanghai Funner Electronic Technology Co., Ltd.  
Address : Room 217, No.20, Lane 893 Changta Road, Songjiang District, Shanghai, China  
Manufacture's name : All Best Technology Limited  
Address : Yincheng 1st Rd., Chang'an Township, Dongguan City, Guangdong Province, China  
Product name : Clock Radio with Bluetooth Speaker and Power Outlets  
Model name : S1-AC  
Test procedure : KDB 447498 D01 General RF Exposure Guidance v06  
Test Date : Aug. 25, 2022 to Sep. 13, 2022  
Date of Issue : Sep. 22, 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



## Contents

|                                        | Page     |
|----------------------------------------|----------|
| <b>2 TEST SUMMARY .....</b>            | <b>4</b> |
| <b>3 GENERAL INFORMATION .....</b>     | <b>5</b> |
| 3.1 GENERAL DESCRIPTION OF E.U.T. .... | 5        |
| <b>4 RF EXPOSURE .....</b>             | <b>6</b> |
| 4.1 REQUIREMENTS .....                 | 6        |
| 4.2 THE PROCEDURES / LIMIT .....       | 6        |
| 4.3 MPE CALCULATION METHOD .....       | 7        |
| 4.4 TEST RESULT .....                  | 7        |



Report No.: PTC22072906401E-FC02

## 2 Test Summary

| Test Items                                                        | Test Requirement | Result |
|-------------------------------------------------------------------|------------------|--------|
| Maximum Permissible Exposure<br>(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         | : | Clock Radio with Bluetooth Speaker and Power Outlets |
| Model Name           | : | S1-AC                                                |
| Additional model     | : | N/A                                                  |
| Specification        | : | BT 3.0 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         | : | 1.68 dBi                                             |
| Rated Power Supply   | : | AC100-240V 50/60Hz                                   |
| Test Power Supply    | : | AC100-240V 50/60Hz                                   |
| Hardware Version     | : | A0                                                   |
| Software Version     | : | V55 ( D8F6 )                                         |



## 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  | 1.47                   | 1.72                         | 1.72 ± 1                | 1.485936               | 0.000435                            | 1                                            | Pass   |

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