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

Prepared for

Shanghai Funner Electronic Technology Co., Ltd.

Room 217, No.20, Lane 893 Changta Road, Songjiang District, Shanghai, China

Prepared by

Precise Testing & Certification Co., Ltd

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

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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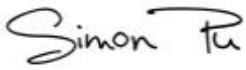
Test Engineer:



Simon Pu / Engineer

Technical Manager:

Ronnie Liu / Manager

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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	:	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, Π/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 (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)	Tune up tolerance (dBm)	Max Tune Up Power (mW)	Power Density (mW/cm2)	Limit of Power Density (mW/cm2)	Result
EDR	1.47	1.72	1.72±1	1.485936	0.000435	1	Pass

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