

Compliance Certification Services (Kunshan) Inc.

Report No.: KSCR211000019303 Page: 1 of 7

# 1 Cover Page

# **RF Exposure REPORT**

Application No.: FCC ID:	KSCR2110000193AT 2AC8UA2103Y			
Applicant:	Anhui Huami Information Technology Co., Ltd. 7/F. Building B2, Huami Global Innovation Center, No. 900, Wangijang			
Address of Applicant:	West Road, High-tech Zone, Hefei City, China (Anhui) Pilot Free Trade Zone (230088)			
Manufacturer:	Anhui Huami Information Technology Co., Ltd. 7/F, Building B2, Huami Global Innovation Center, No. 900, Wangjiang			
Address of Manufacturer:	West Road, High-tech Zone, Hefei City, China (Anhui) Pilot Free Trade Zone (230088)			
Factory:	Xiamen NewSound Technology Co., Ltd.			
Address of Factory:	1st and 2nd Floor - No.13 of Xiangyue Road - Torch Hi-Tech Industrial Development Zone Xiang'An District - Xiamen China			
Equipment Under Test (EU)	D:			
EUT Name:	Charging case			
Model No.:	A2103Y			
Trade mark:	ZEPP			
	FCC Rules 47 CFR §2.1091			
Standard(s) :	KDB447498 D01 General RF Exposure Guidance v06			
Date of Receipt:	2021-10-27			
Date of Test:	2021-10-27 to 2021-12-02			
Date of Issue:	2021-12-02			
Test Result:	Pass*			

In the configuration tested, the EUT complied with the standards specified above.

Ena fri

Eric Lin Laboratory Manager



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Test Report Form Version: Rev01

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Revision Record					
Version	Remark				
00	Original	2021-12-02	/		

Authorized for issue by:		
	Damon zhou	
	Damon Zhou / Project Engineer	
	Eni fri	
	Eric Lin / Reviewer	



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Compliance Certification Services (Kunshan) Inc.

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# **3** General Information

### 3.1 General Description of E.U.T.

Power supply:	5V – 0.8A Battery Model:PL631833V 1.94Wh
	VOL 3.8V/4.35V

### 3.2 Details of E.U.T.

Antenna Gain:	3.82dBi (Provided by manufacturer)
Antenna Type:	FPC Antenna
Bluetooth Version:	V5.1 LE
Data Rate:	1Mbps
Channel Spacing:	2MHz
Modulation Type:	GFSK
Number of Channels:	40
Operation Frequency:	2402MHz to 2480MHz



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#### **Test Location** 3.3

All tests were performed at: Compliance Certification Services (Kunshan) Inc. No.10 Weive Rd, Innovation park, Eco&Tec, Development Zone, Kunshan City, Jiangsu, China. Tel: +86 512 5735 5888 Fax: +86 512 5737 0818 No tests were sub-contracted.

#### 3.4 Test Facility

The test facility is recognized, certified, or accredited by the following organizations:

### • CNAS (No. CNAS L4354)

CNAS has accredited Compliance Certification Services (Kunshan) Inc. to ISO/IEC 17025:2017 General Requirements for the Competence of Testing and Calibration Laboratories (CNAS-CL01 Accreditation Criteria for the Competence of Testing and Calibration Laboratories) for the competence in the field of testing.

### A2LA (Certificate No. 2541.01)

Compliance Certification Services (Kunshan) Inc. is accredited by the American Association for Laboratory Accreditation (A2LA). Certificate No. 2541.01.

### • FCC (Designation Number: CN1172)

Compliance Certification Services Inc. has been recognized as an accredited testing laboratory. Designation Number: CN1172.

#### ISED (CAB identifier: CN0072)

Compliance Certification Services (Kunshan) Inc. has been recognized by Innovation, Science and Economic Development Canada (ISED) as an accredited testing laboratory.

Company Number: 2324E

#### • VCCI (Member No.: 1938)

The 3m and 10m Semi-anechoic chamber and Shielded Room of Compliance Certification Services (Kunshan) Inc. has been registered in accordance with the Regulations for Voluntary Control Measures with Registration No.: R-20134, R-11600, C-11707, T-11499, G-10216 respectively.



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#### **Test Standards and Limits** 4

#### FCC Radiofrequency radiation exposure limits 4.1

According to§1.1310, the limit for general population/uncontrolled exposures

Frequency	Power density(mW/cm <sup>2</sup> )	Averaging time(minutes)
300MHz~1.5GHz	f/1500	30
1.5GHz~100GHz	1.0	30



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#### 5 Measurement and Calculation

#### 5.1 Maximum transmit power

The Power Data is based on the RF Test Report KSCR211000019302.

#### Test Data:

Test Mode	Test Mode Test Channel		Peak Power (mW)	
BLE	2402	-2.19	0.60	
BLE	2440	-3.05	0.50	
BLE	2480	-2.76	0.53	

### 5.2 MPE Calculation

According to the formula S=P/4 $\pi$ R<sup>2</sup>, we can calculate S which is MPE.

Note:

- 1) P (mW)
- 2) R = distance to the center of radiation of antenna (in meter) = 20cm

3.82

MPE limit = 1mW/cm<sup>2</sup> 3)

The max. antenna gain is

Max. Conducted Power P(mW)	Gain in Linear Scale G	Operation Distance R(cm)	Power Density (mW/cm <sup>2</sup> )	Limit (mW/cm <sup>2</sup> )	Result
0.6	2.410	20	0.00029	1	Pass

According to the KDB447498 section 7.2 determine the device is exclusion from SAR test.

dBi

## --End of the Report--



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