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Report No.: SHEM1211001270604
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FCC MPE REPORT

Application No.:	SHEM12110012706RF
Applicant:	ANDON HEALTH Co., Ltd.
Equipment Under Test (EUT):	
NOTE: The following sample(s) submitted was/were identified on behalf of the client as	
Product Name:	BodyRhythm
Brand Name:	iMusic
Model:	MB3
Added Model:	N/A
FCC ID:	ZRYMB3
Standards:	47 CFR Part 1.1307(2011) 47 CFR Part 2.1091(2011) KDB447498D01
Date of Receipt:	November 29, 2012
Date of Test:	December 04, 2012 to December 08, 2012
Date of Issue:	December 11, 2012
Test Result :	PASS*

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

Tony Wu
E&E Section Manager

SGS-CSTC (Shanghai) Co., Ltd.

The manufacturer should ensure that all products in series production are in conformity with the product sample detailed in this report. If the product in this report is used in any configuration other than that detailed in the report, the manufacturer must ensure the new system complies with all relevant standards.

The report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the federal government. All test results in this report can be traceable to National or International Standards.

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Version

Revision Record				
Version	Chapter	Date	Modifier	Remark
00	/	December 11, 2012	/	Original

Authorized for issue by:			
Engineer		Zenger Zhang _____	<i>Zenger Zhang</i> _____ Date: Dec. 08, 2012
Clerk		Amy Wang _____	<i>Amy Wang</i> _____ Date: Dec. 11, 2012
Reviewer		Jim Xu _____	<i>Jim Xu</i> _____ Date: Dec. 11, 2012

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3 General Information

3.1 Client Information

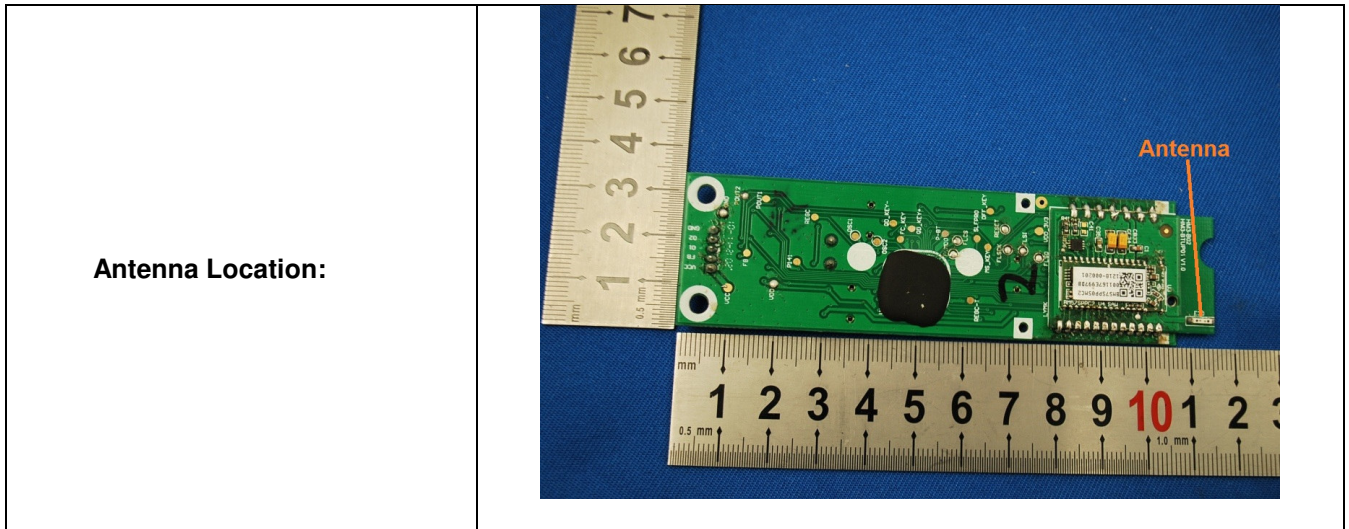
Applicant:	ANDON HEALTH Co., Ltd.
Address of Applicant:	No. 3 Jin Ping Street, Ya An Road, Nankai District, Tianjin 300190, China
Manufacturer:	ANDON HEALTH Co., Ltd.
Address of Manufacturer:	No. 3 Jin Ping Street, Ya An Road, Nankai District, Tianjin 300190, China
Factory:	ANDON HEALTH Co., Ltd.
Address of Factory:	No. 3 Jin Ping Street, Ya An Road, Nankai District, Tianjin 300190, China

3.2 General Description of EUT (Equipment Under Test)

Product Name	BodyRhythm
Brand Name:	iMusic
Model No:	MB3
Added Model:	N/A
Rated Input:	120VAC/60Hz
Product Description:	This is a body Error! Hyperlink reference not valid. device. It contains a BT modular.

3.3 Technical Specifications

Operation Frequency:	2402MHz~2480MHz
Bluetooth Version:	3.0+EDR
Modulation Technique:	Frequency Hopping Spread Spectrum(FHSS)
Modulation Type:	GFSK, $\pi/4$ DQPSK, 8DPSK
Number of Channel:	79
Antenna Type	Internal antenna (Ceramic Chip Antenna)
Antenna Gain	2.45dBi



3.4 Error! Hyperlink reference not valid. Error! Hyperlink reference not valid. Error! Hyperlink reference not valid.:

AC Cable	Manufacturer:	N/A	
	Model No.:	N/A	
	Rated Input:	AC 100V-240V	
	Cable Type:	AC port:	180cm Length (2 wires)

3.5 Test Location

All tests were performed at SGS E&E EMC lab

SGS-CSTC Standards Technical Services (Shanghai) Co., Ltd.
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3.6 Test Facility

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

- **CNAS (No. CNAS L0599)**

CNAS has accredited SGS-CSTC Standards Technical Services (Shanghai) Co., Ltd. to ISO/IEC 17025:2005 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. Date of expiry: 2014-07-26.

- **FCC – Registration No.: 402683**

SGS-CSTC Standards Technical Services (Shanghai) Co., Ltd. has been registered and fully described in a report filed with the Federal Communications Commission (FCC). The acceptance letter from the FCC is maintained in our files. Registration No.: 402683, Expiry Date: 2015-02-22.

- **Industry Canada (IC) – IC Assigned Code: 8617A**

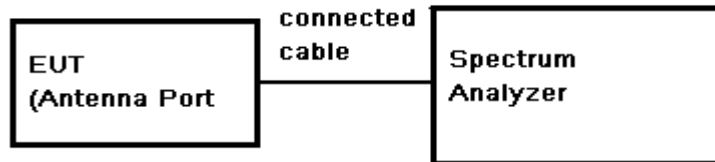
The 3m Semi-anechoic chamber of SGS-CSTC Standards Technical Services (Shanghai) Co., Ltd. has been registered by Certification and Engineering Bureau of Industry Canada for radio equipment testing with Registration No.: 8617A. Expiry Date: 2014-09-20.

- **VCCI (Member No.: 3061)**

The 3m Semi-anechoic chamber and Shielded Room of SGS-CSTC Standards Technical Services (Shanghai) Co., Ltd. has been registered in accordance with the Regulations for Voluntary Control Measures with Registration No.: R-3868 and C-4336 respectively. Date of Registration: 2012-05-29. Date of Expiry: 2015-05-28.

4 Maximum transmit power

Test Date: December 08, 2012(based on 15.247 Test Report SHEM1211001270603)
EUT Operation: Test in fixing frequency operating mode at lowest, middle and highest frequency.
Test Configuration:



Test Results record:

Test Channel	Modulation	Fundamental Frequency (MHz)	Reading Power (dBm)	Cable Loss (dB)	Output Power	
					(dBm)	(mW)
Lowest	GFSK	2402	-1.33	0.6	-0.73	0.845
Middle	GFSK	2441	-1.78	0.6	-1.18	0.762
Highest	GFSK	2480	-2.63	0.6	-2.03	0.627
Lowest	$\pi/4$ DQPSK	2402	-1.34	0.6	-0.74	0.843
Middle	$\pi/4$ DQPSK	2441	-1.79	0.6	-1.19	0.760
Highest	$\pi/4$ DQPSK	2480	-2.65	0.6	-2.05	0.623
Lowest	8DPSK	2402	-1.37	0.6	-0.77	0.838
Middle	8DPSK	2441	-1.84	0.6	-1.24	0.752
Highest	8DPSK	2480	-2.65	0.6	-2.05	0.624

5 SAR Evaluation

5.1 RF Exposure Compliance Requirement

5.1.1 Standard Requirement

15.247(b)(4) requirement:

The conducted output power limit specified in paragraph (b) of this section is based on the use of antennas with directional gains that do not exceed 6dBi. Except as shown in paragraph (c) of this section. if transmitting antennas of directional gain greater than 6dBi are used. the conducted output power from the intentional radiator shall be reduced below the stated values in paragraphs (b)(1). (b)(2). and (b)(3) of this section. as appropriate. by the amount in dB that the directional gain of the antenna exceeds 6dBi.

5.1.2 Limits

According to KDB447498 D01, SAR evaluation is typically not required when the maximum transmitter and antenna output power are $\leq 60/f(\text{GHz})$ mW.

5.1.3 EUT RF Exposure

The Max Conducted Peak Output Power is -0.73dBm(0.845mW) in lowest channel;

The best case gain of the antenna is 2.45dBi.

2.45dBi logarithmic terms convert to numeric result is nearly 1.758.

According to the formula. calculate the EIRP test result:

$$\text{EIRP} = P \times G = 0.845 \text{ mW} \times 1.758 = 1.486\text{mW} \text{ ①}$$

SAR requirement:

$$S = 60 / f(\text{GHz}) = 60/2.48 = 24.19\text{mW} \text{ ②} ;$$

$$\text{①} < \text{②}.$$

So the SAR report is not required.



6 EUT Constructional Details

Refer to the <Appendix B MB3_External Photos> & <Appendix C MB3_Internal Photos>.

THE END OF REPORT