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

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1 Cover Page

FCC RF Exposure REPORT

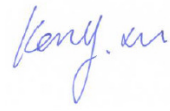
Application No.:	SHEM1410002688RF
Applicant:	iHealth Lab Inc.
FCC ID:	SLRHS6
IC:	10913A-HS6
Equipment Under Test (EUT): **NOTE:** The following sample(s) submitted was/were identified on behalf of the client as	
Product Name:	Core
Model No.(EUT):	HS6
Standards:	FCC Rules 47 CFR §2.1093 KDB447498 D01 General RF Exposure Guidance
Date of Receipt:	October 24, 2014
Date of Test:	November 03, 2014 to November 13, 2014
Date of Issue:	November 27, 2014
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.

2 Version

Revision Record				
Version	**Chapter**	**Date**	**Modifier**	**Remark**
00	/	November 27, 2014	/	Original

Authorized for issue by:				
Engineer		Eddy Zong **Print Name**		
Clerk		Susie Liu **Print Name**		
Reviewer		Keny Xu **Print Name**		

3 Contents

4 General Information

4.1 Client Information

Applicant:	iHealth Lab Inc.
Address of Applicant:	719 N.Shoreline Blvd, Mountain View, CA94043
Manufacturer:	Andon Health Co. Ltd
Address of Manufacturer:	No. 3 JinPing Street YaAn Road Nankai District Tianjin, China
Factory:	Andon Health Co. Ltd
Address of Factory:	No. 3 JinPing Street YaAn Road Nankai District Tianjin, China

4.2 General Description of E.U.T.

Brand Name:	iHealth
Product Description:	Wireless Body Analysis Scale with WiFi function
Power Supply:	DC 6V 4*AAA Batteries Size
	Remark: Supply the EUT with fully charged battery during the testing.

4.3 Details of E.U.T.

Operation Frequency:	802.11b/g/n20: 2412MHz~2462MHz 802.11n40: 2422MHz~2452MHz
Modulation Technique:	802.11 b DSSS(CCK, DQPSK, DBPSK) 802.11 g/n20/n40 OFDM(64QAM, 16QAM, QPSK, BPSK)
Data Rate:	802.11b: 1/2/5.5/11Mbps, 802.11g: 6/9/12/18/24/36/48/54Mbps 802.11n20: 13/26/39/52/78/104/117/135Mbps 802.11 n20/n40: MCS0 - MCS7
Number of Channel:	13 Channels (802.11b,g,n20) 7 Channels (802.11 n40)
Antenna Type:	Integral

4.4 Test Location

All tests were performed at SGS E&E EMC lab

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

No.588 West Jindu Road, Songjiang District, Shanghai, China. 201612.

Tel: +86 21 6191 5666
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4.5 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: 2017-07-14.

- **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: 2017-09-16.

- **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-1. Expiry Date: 2017-06-18.

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

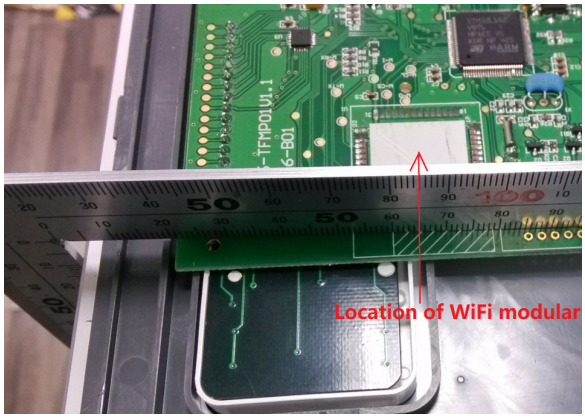
  The 3m Semi-anechoic chamber and Shielded Room of SGS-CSTC Standards Technical Services (Shanghai) Co., Ltd. has been registered in accordance with the Regulations for Voluntary Control Measures with Registration No.: R-3868 and C-4336 respectively. Date of Registration: 2012-05-29. Date of Expiry: 2015-05-28.

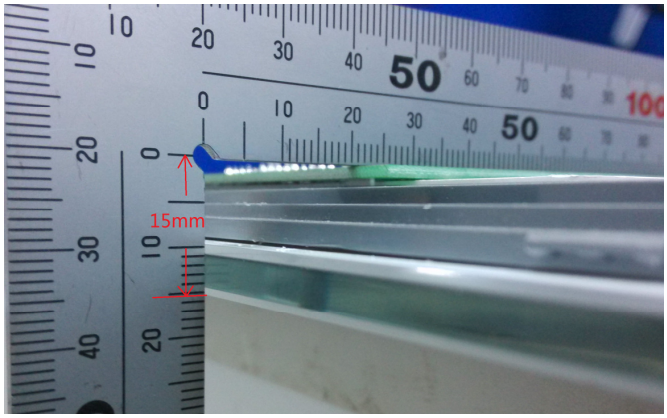
5 Test Standards and Limits

The 1-g and 10-g SAR test exclusion thresholds for 100 MHz to 6 GHz at test separation distances ⩽ 50 mm are determined by:
[(max power of channel)/(min test separation distance)]*[√f(GHz)] ≤ 3.0 for 1-g SAR and ≤ 7.5 for 10-g extremity SAR, where

- f(GHz) is the RF channel transmit frequency in GHz
- Power and distance are rounded to the nearest mW and mm
- The result is rounded to one decimal place for comparison
- 3.0 and 7.5 are referred to as the numeric thresholds

Antenna separation distance to the front interface is 15mm





The practical use condition for this device is for someone to stand on it with their feet. So the applicable limit is 10-g extremity SAR

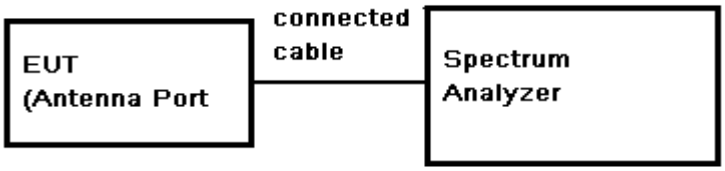
$P_{max} \leq 7.5 * D_{min} / \sqrt{f} = 7.5 * 15 / \sqrt{2.462} = 69.5mW$

6 Measurement and Calculation

6.1 Maximum transmit power

EUT Operation: Test in fixing frequency operating mode at lowest, middle and highest frequency.

Test Configuration:



Test Data:

Test mode	Channel	Average Power (dBm) for Data Rates (Mbps)							
		1	2	5.5	11	/	/	/	/
802.11b	1	14.32	14.24	14.11	14.04	/	/	/	/
	6	14.20	14.13	14.04	13.86	/	/	/	/
	11	***14.38***	14.26	14.18	14.06	/	/	/	/
802.11g	Channel	6	9	12	18	24	36	48	54
	1	13.67	13.46	13.52	13.35	13.58	13.43	13.27	12.84
	6	13.60	13.78	13.42	13.63	13.53	13.15	13.33	13.12
	11	13.71	13.55	13.83	13.53	13.44	13.23	13.41	13.15
802.11n (HT20)	Channel	MCS0	MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7
	1	13.41	13.78	15.13	15.26	14.94	15.43	15.19	15.81
	6	13.49	13.19	14.52	14.39	14.79	14.74	15.14	15.35
	11	13.53	13.42	14.40	14.65	14.3	14.36	14.63	14.83
802.11n (HT40)	Channel	MCS0	MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7
	3	13.25	13.42	13.25	13.16	12.68	12.72	12.53	12.86
	6	13.29	13.16	13.23	12.75	13.46	13.36	12.47	12.50
	9	13.41	13.34	13.18	13.12	12.74	13.27	13.24	13.29

6.2 RF Exposure Calculation

The Max Average Power is 14.36dBm (27.29mW) in highest channel(2.462GHz), The best case gain of the antenna is 0dBi. 0dBi logarithmic terms convert to numeric result is nearly 1.00

According to the formula. calculate the EIRP test result:

EIRP= P x G = 27.29 mW x 1.0 = 27.29mW < 69.5mW

So the SAR report is not required.

7 EUT Constructional Details

Refer to the < HS6_External Photos -FCC> & < HS6 _Internal Photos-FCC>.

--End of the Report--