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

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1 Cover Page

FCC RF Exposure REPORT

Application No.:	SHEM1505001421CR
Applicant:	720 (Beijing) Health iTech Co., Ltd
FCC ID:	2AE7Y-EM1001
Equipment Under Test (EUT): **NOTE:** The following sample(s) was/were submitted and identified by the client as	
Product Name:	AirBank
Model No.(EUT):	EM1001
Standards:	FCC Rules 47 CFR §2.1093 KDB447498 D01 General RF Exposure Guidance
Date of Receipt:	May 18, 2015
Date of Test:	June 24, 2015
Date of Issue:	July 02, 2015
Test Result:	**Pass***

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

Parlam Zhan
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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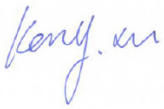
2 Version

Revision Record				
Version	**Chapter**	**Date**	**Modifier**	**Remark**
00	/	July 02, 2015	/	Original

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

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3 Contents

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4 General Information

4.1 Client Information

Applicant:	720 (Beijing) Health iTech Co., Ltd
Address of Applicant:	Room 502, Zhongcheng Plaza, No.25 Huayuan East Road, Haidian District, Beijing
Manufacturer:	720 (Beijing) Health iTech Co., Ltd
Address of Manufacturer:	Room 502, Zhongcheng Plaza, No.25 Huayuan East Road, Haidian District, Beijing
Factory:	Kunshan Fushi jin Electric CO., LTD.
Address of Factory:	No.2-18, ZhengWei West Road, JinXin Town, KunShan City, JiangSu Province, China

4.2 General Description of E.U.T.

Product Description:	Portable Product	
Rechargeable Batteries:	DC 3.7V Li-on Rechargeable Battery	
	Supply the EUT with fully charged battery during the testing.	
Adapter:	Model No.:	SA/6PA/05FEU050100U
	Rated Input:	AC 100V-240V 50/60Hz 400mA
	Rated Output:	DC 5.0V 1000mA
	Cable length:	AC port: 2 wires
		DC port: 20 cm

4.3 Details of E.U.T.

Operation Frequency:	2402MHz-2480MHz
Bluetooth Version:	BT 4.0
Modulation Type:	GFSK
Number of Channel:	40
Antenna Type	Integral
Antenna Gain	0dBi

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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, C-4336, T-2221, G-830 respectively. Date of Expiry: 2017-11-16.

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5 Test Standards and Limits

Approximate SAR Test Exclusion Power Thresholds at Selected Frequencies and Test Separation Distances are illustrated in the following Table. The equation and threshold in KDB447498 D01 section 4.3.1 must be applied to determine SAR test exclusion.

MHz	5	10	15	20	25	30	35	40	45	50	mm
150	39	77	116	155	194	232	271	310	349	387	(mW)
300	27	55	82	110	137	164	192	219	246	274	
450	22	45	67	89	112	134	157	179	201	224	
835	16	33	49	66	82	98	115	131	148	164	
900	16	32	47	63	79	95	111	126	142	158	
1500	12	24	37	49	61	73	86	98	110	122	
1900	11	22	33	44	54	65	76	87	98	109	
2450	10	19	29	38	48	57	67	77	86	96	
3600	8	16	24	32	40	47	55	63	71	79	
5200	7	13	20	26	33	39	46	53	59	66	
5400	6	13	19	26	32	39	45	52	58	65	
5800	6	12	19	25	31	37	44	50	56	62	

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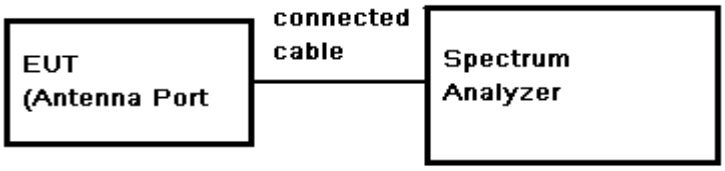
6 Measurement and Calculation

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	Reading Peak Power (dBm)	Cable Loss (dB)	Peak Power (dBm)	Peak Power (mW)	Peak Power Limit (dBm)	Result
GFSK	**Low**	**-8.21**	**0.5**	**-7.71**	**0.17**	30	PASS
	Mid	-9.47	0.5	-8.97	0.13	30	PASS
	High	-10.72	0.5	-10.22	0.10	30	PASS

6.2 RF Exposure Calculation

The Max Conducted Peak Output Power is 0.17mW in middle channel, 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 = 0.17 mW x 1.0 = 0.17mW < 10mW

So the SAR report is not required.

7 EUT Constructional Details

Refer to the < EM1001 _External Photos -FCC> & < EM1001 _Internal Photos-FCC>.

--End of the Report--

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