



Report No.: SZEM190101019502

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SAR Evaluation Report

Application No.: SZEM1901010195CR

Applicant: SHENZHEN LOFTYNN INTELLIGENCE CO., LTD.

Address of Applicant: Bldg. One No.88 Baishisha Longwangmiao Industrial Fu Yong Baoan

Shenzhen 518103, China P.R.C

Manufacturer: EXVISION INDUSTRIES LIMITED

Address of Manufacturer: 3/F, No.65, Gongye 6th Road, Longyan, Humen Dongguan, 523925 China,

P.R.C

Factory: EXVISION INDUSTRIES LIMITED

Address of Factory: 3/F, No.65, Gongye 6th Road, Longyan, Humen Dongguan, 523925 China,

P.R.C

Equipment Under Test (EUT):

EUT Name: Baby Monitor
Model No.: HD950R
Trade Mark: AXVUE

 FCC ID:
 2AJD6-HD950R

 Standards:
 47 CFR Part 1.1307

47 CFR Part 2.1093

KDB447498D01 General RF Exposure Guidance v06

Date of Receipt: 2019-01-08

Date of Test: 2019-01-14 to 2019-01-21

Date of Issue: 2019-02-11

Test Result : PASS*

Keny Xu EMC Laboratory Manager

Ceny. xu



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



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2 Version

Revision Record							
Version	Chapter	Date	Modifier	Remark			
01		2019-02-11		Original			

Authorized for issue by:	
	Co.Ci
	Leo Li /Project Engineer
	EvicFu
	Eric Fu /Reviewer



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General Information

4.1 General Description of EUT

Power supply:	DC 7.5V
	Adapter Model: P6 0750500
	Input: AC 100~240V 50/60Hz 250mA
	Output: DC 7.5V 500mA
	Ni-MH Battery: 4.8V 800mAh rechargeable battery which charged by adapter
Cable:	DC cable: 195cm unshielded
Operation Frequency:	2410-2477MHz
Modulation Type:	GFSK
Channel Spacing:	20
Antenna Type:	PIFA Antenna
Antenna Gain:	0dBi

Channel lists

Channel No.	Frequency	Channel No.	Frequency	Channel No.	Frequency
1	2410	8	2434.5	15	2459
2	2413.5	9	2438	16	2462.5
3	2417	10	2441.5	17	2466
4	2420.5	11	2445	18	2469.5
5	2424	12	2448.5	19	2473
6	2427.5	13	2452	20	2477
7	2431	14	2455.5		



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4.2 Test Location

All tests were performed at:

SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch

No. 1 Workshop, M-10, Middle section, Science & Technology Park, Shenzhen, Guangdong, China 518057

Telephone: +86 (0) 755 2601 2053 Fax: +86 (0) 755 2671 0594

No tests were sub-contracted.

4.3 Test Facility

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

• CNAS (No. CNAS L2929)

CNAS has accredited SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch EMC Lab 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.

A2LA (Certificate No. 3816.01)

SGS-CSTC Standards Technical Services Co., Ltd., Shenzhen EMC Laboratory is accredited by the American Association for Laboratory Accreditation(A2LA). Certificate No. 3816.01.

VCCI

The 3m Fully-anechoic chamber for above 1GHz, 10m Semi-anechoic chamber for below 1GHz, Shielded Room for Mains Port Conducted Interference Measurement and Telecommunication Port Conducted Interference Measurement of SGS-CSTC Standards Technical Services Co., Ltd. have been registered in accordance with the Regulations for Voluntary Control Measures with Registration No.: G-20026, R-14188, C-12383 and T-11153 respectively.

• FCC -Designation Number: CN1178

SGS-CSTC Standards Technical Services Co., Ltd., Shenzhen EMC Laboratory has been recognized as an accredited testing laboratory.

Designation Number: CN1178. Test Firm Registration Number: 406779.

· Innovation, Science and Economic Development Canada

SGS-CSTC Standards Technical Services Co., Ltd., Shenzhen EMC Laboratory has been recognized by ISED as an accredited testing laboratory.

CAB identifier: CN0006.

IC#: 4620C.

4.4 Deviation from Standards

None.

4.5 Abnormalities from Standard Conditions

None.

4.6 Other Information Requested by the Customer

None.



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5 SAR Evaluation

5.1 RF Exposure Compliance Requirement

5.1.1 Standard Requirement

According to KDB447498D01 General RF Exposure Guidance v06

4.3.1. Standalone SAR test exclusion considerations

Unless specifically required by the published RF exposure KDB procedures, standalone 1-g head or body and 10-g extremity SAR evaluation for general population exposure conditions, by measurement or numerical simulation, is not required when the corresponding SAR Exclusion Threshold condition, listed below, is satisfied.

5.1.2 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, including tune-up tolerance, mW)/(min. test separation distance, mm)] $\cdot [\sqrt{f(GHz)}] \le 3.0$ 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 before calculation¹⁷

The result is rounded to one decimal place for comparison

The test exclusions are applicable only when the minimum test separation distance is \leq 50 mm and for transmission frequencies between 100 MHz and 6 GHz. When the minimum test separation distance is < 5 mm, a distance of 5 mm is applied to determine SAR test exclusion

5.1.3 EUT RF Exposure

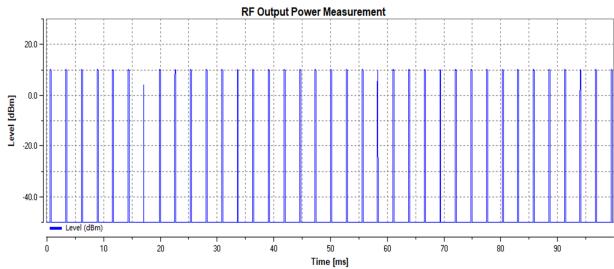




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Duty Cycle:



According to the test data of the duty cycle above, the duty cycle is 0.0725 The Max Conducted Peak Output Power is 12.08dBm=16.14mW;

The source- based time-averaging conducted output power is 16.14 x 0.0725= 1.17mW

According to the formula. calculate the test exclusion thresholds:

[(max. power of channel, including tune-up tolerance, mW)/(min. test separation distance, mm)] ·

General RF Exposure = $(1.17\text{mW} / 5 \text{ mm}) \times \sqrt{2.410\text{GHz}} = 0.36 \text{ }\bigcirc$

SAR requirement:

S = 3.02; (1) < (2).

So the SAR report is not required.

- End of the Report -



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