

RF Exposure Evaluation Report

Product : Baby Monitor
Trade mark : VAVA
Model/Type reference : VA-IH006PU
Serial Number : N/A
Report Number : EED32L00047504
FCC ID : 2AFDGVA-IH006B
Date of Issue : Jul. 08, 2019
Test Standards : 47 CFR Part 1.1307
47 CFR Part 1.1310
KDB447498D01v06
Test result : PASS

Prepared for:

SUNVALLEYTEK INTERNATIONAL. INC
46724 lakeview Blvd, Fremont, CA 94538

Prepared by:

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Jul. 08, 2019

Check No: 3336847766



2 Version

Version No.	Date	Description
00	Jul. 08, 2019	Original

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4 General Information

4.1 Client Information

Applicant:	SUNVALLEYTEK INTERNATIONAL. INC
Address of Applicant:	46724 lakeview Blvd, Fremont, CA 94538
Manufacturer:	Shenzhen NearbyExpress Technology Development Co., Ltd.
Address of Manufacturer:	333 Bulong Road, jialianda Industrial Park, Building 1, Bantain, Longgang District, Shenzhen, China
Factory:	Foshan Shunde Alford Electronics Co., Ltd
Address of Factory:	Xinjiao Industrial Park, Daliang, Shunde Foshan City, Guangdong Province, China

4.2 General Description of EUT

Product Name:	Baby Monitor
Model No.(EUT):	VA-IH006PU
Trade Mark:	VAVA
EUT Supports Radios application	2410MHz - 2477MHz

4.3 Product Specification subjective to this standard

Frequency Range:	2410MHz; 2441.5MHz; 2477MHz
Modulation Type:	GFSK
Number of Channels:	20
Test Power Grade:	N/A
Test Software of EUT:	N/A
Antenna Type:	External antenna
Antenna Gain:	0dBi
Conducted Peak Output Power:	6.775dBm The Conducted Peak Output Power data refer to the report EEED32L00047503
Sample Received Date:	Mar. 11, 2019
Sample tested Date:	Mar. 11, 2019 to Jul. 03, 2019
The tested sample(s) and the sample information are provided by the client.	

4.4 Test Location

All tests were performed at:

Centre Testing International Group Co., Ltd

Building C, Hongwei Industrial Park Block 70, Bao'an District, Shenzhen, China

Telephone: +86 (0) 755 33683668 Fax: +86 (0) 755 33683385

No tests were sub-contracted.

FCC Designation No.: CN1164

4.5 Deviation from Standards

None.

4.6 Abnormalities from Standard Conditions

None.

4.7 Other Information Requested by the Customer

None.

5 SAR Evaluation

5.1 RF Exposure Compliance Requirement

5.1.1 Standard Requirement

According to KDB447498D01 General RF Exposure Guidance v06
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:

$$\left[\frac{\text{max. power of channel, including tune-up tolerance, mW}}{\text{min. test separation distance, mm}} \right] \cdot \sqrt{f(\text{GHz})} \leq 3.0 \text{ for 1-g SAR and } \leq 7.5 \text{ for 10-g extremity SAR, where}$$
$$f(\text{GHz}) \text{ is the RF channel transmit frequency in GHz}$$

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 ≤ 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

The Max Conducted Peak Output Power is 6.775dBm in lowest channel(2.410GHz);

The best case gain of the antenna is 0dBi.

EIRP=6.775dBm + 0dBi = 6.775dBm

3.504dBm logarithmic terms convert to numeric result is nearly 4.759mW

According to the formula. calculate the EIRP test result:

$$\left[\frac{\text{max. power of channel, including tune-up tolerance, mW}}{\text{min. test separation distance, mm}} \right] \cdot \sqrt{f(\text{GHz})}$$

General RF Exposure = $(4.759\text{mW} / 5 \text{ mm}) \times \sqrt{2.410\text{GHz}} = 1.477$ ①

SAR requirement:

S= 3.0 ② ;

① < ②.

So the SAR report is not required.

PHOTOGRAPHS OF EUT Constructional Details

Refer to Report No. EED32L00047503 for EUT external and internal photos.

*** End of Report ***

The test report is effective only with both signature and specialized stamp, The result(s) shown in this report refer only to the sample(s) tested. Without written approval of CTI, this report can't be reproduced except in full.