

# 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.	

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#### **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  $\leq 50$  mm are determined by:

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

Power and distance are rounded to the nearest mW and mm before calculation<sup>17</sup>

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

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 \*\*\*

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