



## **SAR EXPOSURE**

## **REPORT**

## **FOR**

**Product Name: PulesCheckUp Sensor**

**Model : JL02**

**Trade Name : Jinmu Health Technology Co., LTD.**

**Issued to**

**JimLab Corp.**

**2611 Arlington Blvd El Cerrito CA 94530,USA**

**Issued by**

**Global Certification Corp.**

**No.146, Sec. 2, Xiangzhang Rd., Xizhi Dist.,New Taipei City 221,**

**Taiwan (R.O.C.)**

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**Revision History**

Revision	No.	Report Number	Issue Date	Description	Author/ Revised by
1.	9N1206	FR0-9N1206	Feb.07,2020	Original Report	Eason



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## 1. GENERAL INFORMATION

**Applicant** : JimLab Corp.

**Address** : 2611 Arlington Blvd El Cerrito CA 94530,USA

**Manufacturer** : Aicare Technology Co., Ltd.

**Address** : 5F.-4, No. 24, Wuquan 2nd Rd., Xinzhuang Dist., New Taipei City 242, Taiwan

**EUT** : PulesCheckUp Sensor

**Model No.** : JL02

Is here with confirmed to comply with the requirements set out in the FCC Rules and Regulations Part 15 Subpart C and the measurement procedures were according to ANSI C63.4-2014. The said equipment in the configuration described in this report shows the maximum emission levels emanating from equipment are within the compliance requirements.

**KDB 447498 D01**

**Tested By:**

**Approved by:**

Feb.07,2020  
**Date**

kai Yeh  
Kai Yeh, Engineer

Feb.07,2020  
**Date**

Eason Hsu  
Eason Hsu, Section Chief



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## 1.1 DESCRIPTION OF THE TESTED SAMPLES

EUT Name : PulesCheckUp Sensor  
Model : JL02  
FCC ID : 2AVKNJL02  
Power From ☒Battery  
☒Support Unit PC  
Power Rating (Battery) : 3.7 Vdc / 600 mAh  
Power Rating (Micro USB) : 5.0Vdc  
Operate Frequency : 2402 MHz ~ 2480 MHz  
Number of Channels : 40  
Channel spacing : ☐N/A ☒ 2 MHz  
Modulation Type : DSSS  
Antenna Type : ☐ Chip antenna ☒ PCB antenna ☐ a dedicated antenna  
Antenna gain : 1.0 dBi  
EUT Received Date : Nov.12,2019  
EUT Test Completed Date : Feb.03,2020



## **2. GENERAL SAR TEST REDUCTION AND EXCLUSION GUIDANCE**

### **2.1 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:**

$[(\text{max. power of channel, including tune-up tolerance, mW})/(\text{min. test separation distance, mm})] \cdot$

- $[\sqrt{f(\text{GHz})}] \leq 3.0$  for 1-g SAR and  $\leq 7.5$  for 10-g extremity SAR,<sup>21</sup> 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>22</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.

### **2.2 At 100 MHz to 6 GHz and for test separation distances $> 50$ mm, the SAR test exclusion threshold is determined according to the following**

- $[\text{Threshold at 50 mm in step 1}) + (\text{test separation distance} - 50 \text{ mm}) \cdot (f(\text{MHz})/150)]$  mW, at 100 MHz to 1500 MHz
- $[\text{Threshold at 50 mm in step 1}) + (\text{test separation distance} - 50 \text{ mm}) \cdot 10]$  mW at  $> 1500$  MHz and  $\leq 6$  GHz

### **2.3 At frequencies below 100 MHz, the following may be considered for SAR test exclusion**

- The threshold at the corresponding test separation distance at 100 MHz in step 2) is multiplied by  $[1 + \log(100/f(\text{MHz}))]$  for test separation distances  $> 50$  mm and  $< 200$  mm
- The threshold determined by the equation in a) for 50 mm and 100 MHz is multiplied by  $\frac{1}{2}$  for test separation distances  $\leq 50$  mm
- SAR measurement procedures are not established below 100 MHz. When SAR test exclusion cannot be applied, a KDB inquiry is required to determine SAR evaluation requirements for any test results to be acceptable.



### **3. SAR TEST EXCLUSION THRESHOLDS**

The min. test separation distance is 5 mm.

Frequency (GHz)	P (mW)	d (mm)	SAR (mW / cm <sup>2</sup> )	Exclusion Limit (mW / cm <sup>2</sup> )
2.402	7.60326277	5	2.356766179	3
2.44	6.93425806	5	2.166331471	3
2.48	5.99791076	5	1.889103863	3

[(max. power of channel, including tune-up tolerance, P (mW))/(min. test separation distance,5mm)][sqrt(f(GHz))]= SAR (mW / cm<sup>2</sup>) < 3.0 for 1-g SAR

END