



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



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 ≤ 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 ≤ 7.5 for 10-g extremity SAR,²¹ where $f(\text{GHz})$ is the RF channel transmit frequency in GHz
- Power and distance are rounded to the nearest mW and mm before calculation²²
- 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.

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 ≤ 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 ≤ 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 ²)	Exclusion Limit (mW / cm ²)
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 / cm²) < 3.0 for 1-g SAR

END