

RF EXPOSURE REPORT



Applicant: all.health Inc.
200 Kansas St, Suite 205, San Francisco, California, United States 94103

Product Name: Band 01

Brand Name: all.health

Model No.: AH-01

Model Difference: N/A

Report Number: E2/2021/10081

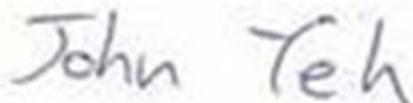
FCC ID 2AVUF-AH01

FCC Rule Part Part 2.1093

Issue Date: July 7, 2021

We hereby certify that:

The data evaluation in this report is in compliance with FCC Rules Part 2 & RSS-102.
The results of this report relate only to the sample identified in this report.



Approved By: _____
John Yeh / Asst. Manager

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.
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Revision History

Report Number	Revision	Description	Issue Date	Revised By
E2/2021/10081	Rev.00	Original.	July 7, 2021	Viola Su

Note:

- 1、Antenna information is provided by the applicant, test results of this report are applicable to the sample EUT received.

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1 DESCRIPTION OF EQUIPMENT UNDER TEST (EUT)

1.1 General Information

Product Name:	Band 01
Brand Name:	all.health
Model No.:	AH-01
Model Difference:	N/A
Hardware Version:	DEV3
Software Version:	0.11.0
Power Supply:	3.8 V from Rechargeable Li-polymer Battery

1.2 Antenna Information:

Antenna Type	Supplier	Antenna Part No.	Freq. (MHz)	Peak Antenna Gain (dBi)	Worst Antenna Gain
IFA	Phoenix	Main Rev06	2.4G Hz	-0.9	V

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2 FCC STANDARD APPLICABLE

2.1 FCC Standard Applicable:

According to §1.1307(b)(1), systems operating under the provisions of this section shall be operated in a manner that ensure that the public is not exposed to radio frequency energy level in excess of the Commission's guideline.

As per KDB 447498 D01 4.3.1,

Step a: For 100 MHz to 6 GHz and test separation distances ≤ 50 mm, the 1-g and 10-g SAR test exclusion thresholds are determined by the following:

$[(\text{max. power of channel, including tune-up tolerance, mW}) / (\text{min. test separation distance, mm})] \cdot [f(\text{GHz})] \leq 3.0$ for 1-g Head & Body SAR and ≤ 7.5 for 10-g extremity Hand 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
- The result is rounded to one decimal place for comparison
- The values 3.0 and 7.5 are referred to as numeric thresholds in **step b)** below

Step b: For 100 MHz to 6 GHz and test separation distances > 50 mm, the 1-g and 10-g SAR test exclusion thresholds are determined by the following (also illustrated in Appendix B):

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

2.2 Measurement Result:

Step a:					
This is a portable device and the max. output power including tune-up tolerance is 2.786 (mW), lower than the threshold given and derived as formula given above, where					
$=2.786(\text{mW})/5(\text{mm}) \cdot \sqrt{2.402(\text{GHz})} = 0.9 < 7.5$					

Frequency (MHz)	Max. output power including tune-up tolerance(dBm)	Max. output power including tune-up tolerance(mW)	Distance (mm)	Result	≤ 7.5 for 10-g extremity SAR
2402	4.45	2.786	5	0.9	TRUE

~ End of Report ~

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