

## 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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## Table of Contents

<b>1</b>	<b>DESCRIPTION OF EQUIPMENT UNDER TEST (EUT)</b>	<b>4</b>
1.1	General Information	4
1.2	Antenna Information:	4
<b>2</b>	<b>FCC Standard applicable</b>	<b>5</b>
2.1	FCC Standard Applicable:	5
2.2	Measurement Result:	5

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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  $\leq 50$  mm, the 1-g and 10-g SAR test exclusion thresholds are determined by the following:

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

$[\sqrt{f(\text{GHz})}] \leq 3.0$  for 1-g Head & Body SAR and  $\leq 7.5$  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)  $\{[\text{Power allowed at numeric threshold for 50 mm in step a)}] + [(\text{test separation distance} - 50 \text{ mm}) \cdot (f(\text{MHz})/150)]\}$  mW, for 100 MHz to 1500 MHz

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

### 2.2 Measurement Result:

<b>Step a:</b>					
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	$\leq 7.5$ for 10-g extremity SAR
2402	4.45	2.786	5	0.9	TRUE

~ End of Report ~

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