

Report No. : EED32S819364

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RF Exposure Evaluation Report

Product : aosuBase
Trade mark : AOSU, DEKCO, Saato
Model/Type reference : H1L12, H1L13, H1L14, DH1L12,
DH1L13, DH1L14
Serial Number : N/A
Report Number : EED32S819364
FCC ID : 2BSW3-H1L12
Date of Issue : September 16, 2026
Test Standards : 47 CFR Part 1.1307
47 CFR Part 1.1310
47 CFR Part 2.1091
KDB 447498 D04 Interim General RF
Exposure Guidance v01
Test result : PASS

Prepared for:

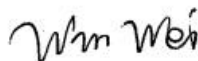
AOSU LIFE PTE. LTD.
9 NORTH BUONA VISTA DRIVE, #02-01, THE METROPOLIS,
SINGAPORE 138588

Prepared by:

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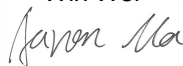


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September 16, 2026

Check No.:3505090726

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2 General Information

2.1 Client Information

Applicant:	AOSU LIFE PTE. LTD.
Address of Applicant:	9 NORTH BUONA VISTA DRIVE, #02-01, THE METROPOLIS, SINGAPORE 138588
Manufacturer:	AOSU LIFE PTE. LTD.
Address of Manufacturer:	9 NORTH BUONA VISTA DRIVE, #02-01, THE METROPOLIS, SINGAPORE 138588

2.2 General Description of EUT

Product Name:	aosuBase
Model No.:	H1L12, H1L13, H1L14, DH1L12, DH1L13, DH1L14
Test Model No.:	H1L12
Model difference:	Their electrical circuit design, layout, components used and internal wiring are identical, Only the The software and hardware of the product are consistent between the reported model and the main certification model, and the difference is only used to distinguish different sales channelsis
Trade Mark:	AOSU, DEKCO, Saato

2.3 Product Specification subjective to this standard

Frequency Range:	IEEE 802.11b/g/n(HT20): 2412MHz to 2462MHz	
Modulation Type:	IEEE for 802.11b:DSSS(CCK,DQPSK,DBPSK) IEEE for 802.11g:OFDM(64QAM, 16QAM, QPSK, BPSK) IEEE for 802.11n(HT20): OFDM (64QAM, 16QAM,QPSK,BPSK)	
Test Power Grade:	Default	
Test Software of EUT:	QA	
Antenna Type:	PCB Antenna	
Antenna Gain:	Ant1: 3.54dBi Ant2: 3.07dBi	
Power Supply:	Adapter:	Model: PS12L120K1000UD Input: 100~240V-50/60Hz 0.35A Max Output: DC 12.0V 1.0A 12.0W
Sample Received Date:	Aug. 06, 2026	
Sample tested Date:	Aug. 06, 2026 to Aug. 28, 2026	

2.4 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, Test Firm Registration No.: 260439

2.5 Deviation from Standards

None.

2.6 Abnormalities from Standard Conditions

None.

2.7 Other Information Requested by the Customer

None.

3 SAR Evaluation

3.1 RF Exposure Compliance Requirement

3.1.1 Limits

The SAR-based exemption formula of § 1.1307(b)(3)(i)(B), repeated here as Formula (B.2), applies for single fixed, mobile, and portable RF sources with available maximum time-averaged power or effective radiated power (ERP), whichever is greater, of less than or equal to the threshold P_{th} (mW).

This method shall only be used at separation distances from 0.5 cm to 40 cm and at frequencies from 0.3 GHz to 6 GHz (inclusive). P_{th} is given by Formula

$$P_{th} \text{ (mW)} = \begin{cases} ERP_{20 \text{ cm}} (d/20 \text{ cm})^x & d \leq 20 \text{ cm} \\ ERP_{20 \text{ cm}} & 20 \text{ cm} < d \leq 40 \text{ cm} \end{cases}$$

where

$$x = -\log_{10} \left(\frac{60}{ERP_{20 \text{ cm}} \sqrt{f}} \right)$$

and f is in GHz, d is the separation distance (cm), and $ERP_{20 \text{ cm}}$ is per Formula (B.1).

$$P_{th} \text{ (mW)} = ERP_{20 \text{ cm}} \text{ (mW)} = \begin{cases} 2040f & 0.3 \text{ GHz} \leq f < 1.5 \text{ GHz} \\ 3060 & 1.5 \text{ GHz} \leq f \leq 6 \text{ GHz} \end{cases} \quad (\text{B.1})$$

The 1 mW Blanket Exemption of § 1.1307(b)(3)(i)(A) applies for single fixed, mobile, and portable RF sources with available maximum time-averaged power of no more than 1 mW, regardless of separation distance.

3.1.2 Test Procedure

Software provided by client enabled the EUT to transmit and receive data at lowest, middle and highest channel individually.

3.1.3 EUT RF Exposure Evaluation

For Stand alone:

Freq. (MHz)	Estimation distance (cm)	Max. Conducted Output power (dBm)	Antenna Gain (dBi)	ERP (dBm)	ERP (mW)	Limit (mW)	MPE ratio	Result
@2.4G Wi-Fi	20	13.27	3.54	14.66	29.24	3060.00	0.0096	Pass

Note:

- ① EIRP=conducted power+antenna gain;
- ② $ERP=EIRP-2.15$;
- ③ $EIRP(dBm) = \text{Field strength of the fundamental signal}(dBuV/m@3m) - 95.23$;
- ④ $ERP(mW) = 10^{(ERP(dBm)/10)}$;
- ⑤ The estimation distance is 20cm;
- ⑥ The test data please refer to the report of EED32S816167 and only the worst case data was recorded in the report.

Statement

1. This report is considered invalid without approved signature, special seal and the seal on the perforation;
2. The Company Name shown on Report and Address, the sample(s) and sample information was/were provided by the applicant who should be responsible for the authenticity which CTI hasn't verified;
3. The result(s) shown in this report refer(s) only to the sample(s) tested;
4. Unless otherwise stated, the decision rule for conformity reporting is based on Binary Statement for Simple Acceptance Rule stated in ILAC-G8:09/2019/CNAS-GL015:2022;
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*** End of Report ***