RF Exposure Evaluation Report

Product	:	Otoadd F1
Trade mark	:	Otoadd
Model/Type reference	:	HEB-003, PEB-003
Serial Number	:	N/A
Report Number	:	EED32R81030203
FCC ID	:	2AX9Z-HEB-003
Date of Issue	:	Jul. 17, 2025
Test Standards	:	47 CFR Part 1.1307 47 CFR Part 1.1310 47 CFR Part 2.1091 47 CFR Part 2.1093 KDB 447498 D04 Interim General RF Exposure Guidance v01
Test result	:	PASS

Prepared for:

RelaJet Tech (Taiwan) Co., Ltd.
8 F., No. 150, Sec. 4, Nanjing E. Rd., Songshan Dist., Taipei City 105036, Taiwan (R.O.C.)

Prepared by:

Centre Testing International Group Co., Ltd.
Hongwei Industrial Park, Zone 70, Bao'an District,
Shenzhen, Guangdong, China
TEL: +86-755-3368 3668
FAX: +86-755-3368 3385

Compiled by:	Keven Tan	Reviewed by:	Frazer Li
Approved by:	Aaron Ma	Date:	Jul. 17, 2025

Report Seal

Check No.: 6604230625

1 Contents

2 General Information

2.1 Client Information

Applicant:	RelaJet Tech (Taiwan) Co., Ltd.
Address of Applicant:	8 F., No. 150, Sec. 4, Nanjing E. Rd., Songshan Dist., Taipei City 105036, Taiwan (R.O.C.)
Manufacturer 1:	RelaJet Tech (Taiwan) Co., Ltd.
Address of Manufacturer 1:	9F.-1, No. 37, Guangfu N. Rd., Songshan Dist., Taipei City 105033, Taiwan (R.O.C.)
Manufacturer 2:	DONGGUAN SHUNHEFENG ELECTRICITY CO LTD
Address of Manufacturer 2:	NO.36, SHUNXING 6 ROAD,DAJINGTOU VILLAGE, DALANG TOWN,DONGGUAN CITY,GUANG DONG. CHINA
Factory Name 1:	RelaJet Tech (Taiwan) Co., Ltd.
Factory Address 1:	9F.-1, No. 37, Guangfu N. Rd., Songshan Dist., Taipei City 105033, Taiwan (R.O.C.)
Factory Name 2:	DONGGUAN SHUNHEFENG ELECTRICITY CO LTD
Factory Address 2:	NO.36, SHUNXING 6 ROAD,DAJINGTOU VILLAGE, DALANG TOWN,DONGGUAN CITY,GUANG DONG. CHINA

2.2 General Description of EUT

Product Name:	Otoadd F1
Model No.(EUT):	HEB-003, PEB-003
Test Model No.:	HEB-003
Trade Mark:	Otoadd

2.3 Product Specification subjective to this standard

Frequency Range:	2402MHz~2480MHz	
Modulation Type:	BLE: GFSK BT: GFSK, π/4DQPSK, 8DPSK	
Test Power Grade:	Default	
Test Software of EUT:	BlueTest3	
Antenna Type:	Chip Antenna	
Antenna Gain:	L: 1.8 dBi R: 1.8 dBi	
Power Supply:	Battery:	DC 3.7V 0.259Wh
Sample Received Date:	Jun. 25, 2025	
Sample tested Date:	Jun. 25, 2025 to Jul. 05, 2025	
Remark: Model No.: HEB-003, PEB-003 Only the model HEB-003 was tested, Both models share the same electrical, PCB and layout, PEB-003 has some functions disabled via firmware / software configuration.		

2.4 Test Location

All tests were performed at:

Centre Testing International Group Co., Ltd

Hongwei Industrial Park, Zone 70, Bao'an District, Shenzhen, Guangdong, China

Telephone: +86 (0) 755 33683668 Fax:+86 (0) 755 33683385

No tests were sub-contracted.

FCC Designation No.: CN1164

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 Pth (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). Pth is given by Formula

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

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 ERP20cm is per Formula (B.1).

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

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:

BLE:

Frequency (MHz)	Estimation distance (cm)	Max. Conducted Output power (dBm)	Antenna Gain (dBi)	EIRP (dBm)	ERP (dBm)	ERP (mW)	Limit (mW)	MPE ratio	Result
2402	0.5	1.99	1.80	3.79	1.64	1.4588	2.7877	0.5233	Pass

BT:

Frequency (MHz)	Estimation distance (cm)	Max. Conducted Output power (dBm)	Antenna Gain (dBi)	EIRP (dBm)	ERP (dBm)	ERP (mW)	Limit (mW)	MPE ratio	Result
2402	0.5	0.96	1.80	2.76	0.61	1.1508	2.7877	0.4128	Pass

Note：

①EIRP=conducted power+antenna gain；

②ERP=EIRP-2.15;

③EIRP(dBm) = Field strength of the fundamental signal(dBuV/m@3m) – 95.23;

④ERP(mW) = 10^(ERP (dBm)/10);

⑤The estimation distance is 0.5cm;

⑥The test data please refer to the report of EED32R81030201, EED32R81030202 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;

5. Without written approval of CTI, this report can't be reproduced except in full;

*** End of Report ***