

RF Exposure Evaluation Report

Product : remote control receiver board
Trade mark : VOVO
Model/Type reference : VV-RECEIVER
Serial Number : N/A
Report Number : EED32R80240302
FCC ID : 2BTII-VV-RECEIVER
Date of Issue : Dec. 23, 2025
Test Standards : 47 CFR Part 1.1307
47 CFR Part 1.1310
47 CFR Part 2.1093
KDB 447498 D04 Interim General RF
Exposure Guidance v01
Test result : PASS

Prepared for:

VOVO CORPORATION

**9F, VOVO BUILDING, 449-3, GANGNAM-DAERO, SEOCHO-GU, SEOUL,
KOREA 06611**

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Check No.: 9050260225

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2 General Information

2.1 Client Information

Applicant:	VOVO CORPORATION
Address of Applicant:	9F, VOVO BUILDING, 449-3, GANGNAM-DAERO, SEOCHO-GU, SEOUL, KOREA 06611
Manufacturer:	WUXI DENVEL INTELLIGENT ELECTRONIC INCORPORATED
Address of Manufacturer:	Building A, No.8 LianHe Road, WuXi, JiangSu, China
Factory:	WUXI DENVEL INTELLIGENT ELECTRONIC INCORPORATED
Address of Factory:	Building A, No.8 LianHe Road, WuXi, JiangSu, China

2.2 General Description of EUT

Product Name:	remote control receiver board
Model No.(EUT):	VV-RECEIVER
Trade Mark:	VOVO

2.3 Product Specification subjective to this standard

Frequency Range:	2405MHz~2470MHz	
Modulation Type:	GFSK	
Test Power Grade:	Default	
Test Software of EUT:	N/A	
Antenna Type:	PCB Antenna	
Antenna Gain:	-1.65dBi	
Power Supply:	Battery:	DC 5V
Sample Received Date:	Apr. 23, 2025	
Sample tested Date:	Apr. 23, 2025 to Apr. 27, 2025	

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

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

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

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 ERP20cm 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:**

Frequency (MHz)	Estimation distance (cm)	Max. Conducted Output power (dBm)	Antenna Gain (dBi)	ERP (dBm)	ERP (mW)	Limit (mW)	MPE ratio	Result
2405	0.5	3.74	-1.65	1.59	1.4421	2.7849	0.5178	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 0.5cm;

⑥ The test data please refer to the report of EED32R80240301 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 ***