

RF Exposure Evaluation Report

Product : Label printer
Trade mark : N/A
Model/Type reference : P11, P1, P2, P3, P5, P6, P7, P8, P9, P10
Serial Number : N/A
Report Number : EED32S80984103
FCC ID : 2BDXU-P11
Date of Issue : Jun. 16, 2026
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

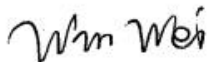
Prepared for:

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2 General Information

2.1 Client Information

Applicant:	Shenzhen Tuofengda Digital Technology Co. , Ltd.
Address of Applicant:	401, No. 13 Guishan Road, CAOWEI community, Hangcheng Street, Baoan District, Shenzhen City
Manufacturer:	Shenzhen Tuofengda Digital Technology Co. , Ltd.
Address of Manufacturer:	401, No. 13 Guishan Road, CAOWEI community, Hangcheng Street, Baoan District, Shenzhen City
Factory:	Shenzhen Tuofengda Digital Technology Co. , Ltd.
Address of Factory:	401, No. 13 Guishan Road, CAOWEI community, Hangcheng Street, Baoan District, Shenzhen City

2.2 General Description of EUT

Product Name:	Label printer
Model No.:	P11, P1, P2, P3, P5, P6, P7, P8, P9, P10
Test Model No.:	P11
Model difference:	All the models are electrical identical including the same software parameter and hardware design (i.e., circuit design, PCB Layout, components on PCB, etc.), same mechanical structure and design (including product enclosure, materials, etc.), the only difference is the color appearance.
Trade Mark:	N/A

2.3 Product Specification subjective to this standard

Frequency Range:	BLE/BT: 2402MHz~2480MHz	
Modulation Type:	BLE: GFSK BT: GFSK	
Test Power Grade:	Default	
Test Software of EUT:	fcc_test_tool.exe	
Antenna Type:	PCB antenna	
Antenna Gain:	-0.12dBi	
Power Supply:	Battery:	DC3.7V
Sample Received Date:	May 20, 2026	
Sample tested Date:	May 20, 2026 to Jun. 05, 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 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:

Band	Freq. (MHz)	Estimation distance (cm)	Max. Conducted Output power (dBm)	Antenna Gain (dBi)	ERP (dBm)	ERP (mW)	Limit (mW)	MPE ratio	Result
BLE	2440	0.5	1.59	-0.12	-0.68	0.86	2.753	0.3106	Pass
BT	2402	0.5	1.9	-0.12	-0.37	0.92	2.788	0.3294	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 EED32S80984101, EED32S80984102 and only the worst case data was recorded in the report.

For Simultaneous Transmission:

As MPE ratio (BLE+BT)=0.3106+0.3294=0.64 < 1, it's deemed to fulfil the RF exposure requirement.

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 ***