

RF Exposure Evaluation Report

Product : Thermal printer
Trade mark : N/A
Model/Type reference : FT204, AT204, BT204, CT204, DT204, ET204, FT204, GT204, HT204, IT204, JT204, KT204, LT204, MT204, NT204, OT204, PT204, QT204, RT204, ST204, TT204, UT204, VT204, WT204, XT204, YT204, ZT204
Serial Number : N/A
Report Number : EED32S814726
FCC ID : 2A6FW-FT204
Date of Issue : Aug. 20, 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:

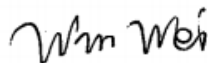
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Aug. 20, 2026



Check No.:1004260626

1 Contents

	Page
1 CONTENTS	2
2 GENERAL INFORMATION	3
2.1 CLIENT INFORMATION	3
2.2 GENERAL DESCRIPTION OF EUT	3
2.3 PRODUCT SPECIFICATION SUBJECTIVE TO THIS STANDARD	3
2.4 TEST LOCATION	4
2.5 DEVIATION FROM STANDARDS	4
2.6 ABNORMALITIES FROM STANDARD CONDITIONS	4
2.7 OTHER INFORMATION REQUESTED BY THE CUSTOMER	4
3 SAR EVALUATION	5
3.1 RF EXPOSURE COMPLIANCE REQUIREMENT	5
3.1.1 Limits	5
3.1.2 Test Procedure	5
3.1.3 EUT RF Exposure Evaluation	6

2 General Information

2.1 Client Information

Applicant:	Xiamen Print Future Technology Co.,Ltd.
Address of Applicant:	Room 701, No.55 Dongling Road, Houxi Town, Jimei District, Xiamen City, Fujian Province, China
Manufacturer:	Xiamen Print Future Technology Co.,Ltd.
Address of Manufacturer:	Room 701, No.55 Dongling Road, Houxi Town, Jimei District, Xiamen City, Fujian Province, China
Factory:	Xiamen Print Future Technology Co.,Ltd.
Address of Factory:	Rooms 501, 601, 701, No.55 Dongling Road, Houxi Town, Jimei District, Xiamen City, Fujian Province, China

2.2 General Description of EUT

Product Name:	Thermal printer
Model No.:	FT204, AT204, BT204, CT204, DT204, ET204, FT204, GT204, HT204, IT204, JT204, KT204, LT204, MT204, NT204, OT204, PT204, QT204, RT204, ST204, TT204, UT204, VT204, WT204, XT204, YT204, ZT204
Test Model No.:	FT204
Model difference:	They have the same electrical circuit design, layout, components used and internal wiring, with difference being color of appearance and model name.
Trade Mark:	N/A

2.3 Product Specification subjective to this standard

Frequency Range:	BLE/BT: 2402MHz~2480MHz NFC:13.56MHz	
Modulation Type:	BLE/BT: GFSK NFC	
Test Power Grade:	Default	
Test Software of EUT:	fcc_test_tool.exe	
Antenna Type:	BLE/BT: PCB Antenna NFC: Coil Antenna	
Antenna Gain:	BLE/BT: 2.58dBi NFC: 0dBi	
Power Supply:	Battery:	DC 3.7V
Sample Received Date:	Jul. 02, 2026	
Sample tested Date:	Jul. 02, 2026 to Aug. 14, 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	Frequency (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	2.02	2.5800	2.45	1.76	2.753	0.6386	Pass
BT	2441	0.5	1.21	2.5800	1.64	1.46	2.752	0.5301	Pass

Freq. (MHz)	Field strength of the fundamental signal (dBuV/m@3m)	EIRP (dBm)	ERP (dBm)	ERP (mW)	Limit (mW)	MPE ratio	Result
@NFC	52.70	-42.53	-44.68	0.00003	1.00	0.00003	Pass

Note:

- ① EIRP=conducted power+antenna gain;
- ② ERP=EIRP-2.15;
- ③ EIRP(dBm) = 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 EED32S814728, EED32S815502 and only the worst case data was recorded in the report.

For Simultaneous Transmission:

As MPE ratio (BLE+NFC)=0.6386+0.00003=0.63863 < 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 ***