

TEST REPORT		
Report Number. :	EP2606261F04	
Date of receipt of test item .. :	2026-07-09	
Date (s) of performance of test..... :	2026-07-10 to 2026-08-04	
Date of issue..... :	2026-08-26	
Testing Laboratory name..... :	Dongguan Pubiao Testing Technology Co., Ltd.	
Address..... :	Room 101, Building 1, No.30, Minghua Road, Shijie, Shijie Town, Dongguan, Guangdong, 523250, People's Republic of China	
Applicant's name..... :	Zhuhai Xprinter Electronics Technology Co., Ltd.	
Address..... :	5/F, 1st Workshop, No.613 Huawei Road, Qianshan Industrial Zone, Xiangzhou District, Zhuhai City, Guangdong Province, P.R.China	
Manufacturer's name	Zhuhai Xprinter Electronics Technology Co., Ltd.	
Address..... :	5/F, 1st Workshop, No.613 Huawei Road, Qianshan Industrial Zone, Xiangzhou District, Zhuhai City, Guangdong Province, P.R.China	
Factory's name	Zhuhai Xprinter Electronics Technology Co., Ltd.	
Address..... :	5/F, 1st Workshop, No.613 Huawei Road, Qianshan Industrial Zone, Xiangzhou District, Zhuhai City, Guangdong Province, P.R.China	
Standard(s)	§15.247(i), §2.1093	
Test item description..... :	Mini Sticker Printer, AI Voice Sticker Printer	
Trade Mark	N/A	
Model/Type reference..... :	D1, D2, MK1, MK2, GT1, GT2, SK1, SK2, GM1, GM2	
FCC ID	2AWYK-D1	
Summary of Test Results..... :	Pass	
Test Report Form No. :	§15.247(i), §2.1093	
Master TRF..... :	Dated 2025-11	
Prepared by (+signature)	Dora Ning	
Approved by (+signature).... :	Eric Liu	
The Summary of Test Results based on a technical opinion belongs to the standard(s).		
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Modified History

Report No.	Revision Data	Summary
EP2606261F04	2026-08-26	Original Version

1. EUT SPECIFICATION

Characteristics	Description	
Product:	Mini Sticker Printer, AI Voice Sticker Printer	
Model Number:	D1, D2, MK1, MK2, GT1, GT2, SK1, SK2, GM1, GM2	
Difference:	All models are identical to each other except for product name and model name. Here we choose D1 as the test EUT.	
Device Type:	Bluetooth V5.2 802.11 WLAN: WiFi: 2.4G NFC	
Data Rate:	DSS: 1Mbps for GFSK modulation; DTS: 1Mbps for GFSK modulation WiFi 2.4G: MCS0-MCS7 NFC: ASK	
Modulation:	DSS: GFSK DTS: GFSK WiFi 2.4G: DSSS with DBPSK/DQPSK/CCK for 802.11b; OFDM with BPSK/QPSK/16QAM/64QAM for 802.11g/n;	
Operating Frequency Range(s) :	2402-2480MHz	13.56MHz
Number of Channels:	BT: 79 channels BLE: 40 channels WiFi 2.4G: 11 channels NFC: 1 channel	
Transmit Power Max:	BT: 4.50 dBm BLE: 3.39 dBm WiFi 2.4G: 6.50 dBm NFC: -34.28 dBm	
Antenna Gain:	2.46 dBi for 2402-2480MHz 0 dBi for 13.56MHz	
Power supply:	DC 3.7V from Battery DC 5V from USB	
Evaluation applied:	☐ MPE Evaluation ☒ SAR Evaluation	

2. TEST REQUIREMENT

RF EXPOSURE EVALUATION

According to §15.247(i) and §1.1307(b)(1), systems operating under the provisions of this section shall be operated in a manner that ensures that the public is not exposed to radio frequency energy level in excess of the Commission's guidelines.

The 1-g and 10-g SAR test exclusion thresholds for 100 MHz to 6 GHz at *test separation distances* ≤ 50 mm are determined by:

$[(\text{max. power of channel, including tune-up tolerance, mW})/(\text{min. test separation distance, mm})] \cdot [f_{(\text{GHz})}] \leq 3.0$ for 1-g SAR and ≤ 7.5 for 10-g extremity SAR,²⁴ where

- $f_{(\text{GHz})}$ is the RF channel transmit frequency in GHz
- Power and distance are rounded to the nearest mW and mm before calculation²⁵
- The result is rounded to one decimal place for comparison
- 3.0 and 7.5 are referred to as the numeric thresholds in the step 2 below

The test exclusions are applicable only when the minimum *test separation distance* is ≤ 50 mm and for transmission frequencies between 100 MHz and 6 GHz. When the minimum *test separation distance* is < 5 mm, a distance of 5 mm according to 5) in section 4.1 is applied to determine SAR test exclusion.

Routine SAR evaluation refers to that specifically required by §2.1093, using measurements or computer simulation. When routine SAR evaluation is not required, portable transmitters with output power greater than the applicable low threshold require SAR evaluation to qualify for TCB approval.

One antenna is available for the EUT. The minimum separation distance is 5mm.

3. MEASUREMENT RESULT

modulation	Transmit Frequency (MHz)	Measured Power (dBm)	Tune up Power (dBm)	Max tune up power(dBm)	Calculation Result	1-g SAR
GFSK	2402	3.63	±1	4.63	0.9001533	3
	2441	3.67	±1	4.67	0.9156403	3
	2480	3.91	±1	4.91	0.9755642	3
pi/4-DQPSK	2402	4.44	±1	5.44	1.0847171	3
	2441	4.31	±1	5.31	1.0610233	3
	2480	4.50	±1	5.50	1.1175214	3
BLE: GFSK(1M)	2402	3.32	±1	4.32	0.8381399	3
	2440	3.34	±1	4.34	0.8486428	3
	2480	3.39	±1	4.39	0.8654776	3
2.4G Wi-Fi b	2412	5.82	±1	6.82	1.4935462	3
	2437	5.63	±1	6.63	1.4370033	3
	2462	5.80	±1	6.80	1.5020141	3
2.4G Wi-Fi g	2412	5.88	±1	6.88	1.5143234	3
	2437	6.34	±1	7.34	1.6922236	3
	2462	6.50	±1	7.50	1.7647127	3
2.4G Wi-Fi n(20)	2412	4.87	±1	5.87	1.2001033	3
	2437	5.36	±1	6.36	1.3503855	3
	2462	5.62	±1	6.62	1.4410333	3
NFC	13.56	-34.28	±1	-33.28	0.0003461	3
Note: For NFC modulation data: PK Output Power=60.92dBuV/m@3m-95.2=-34.28dBm from report (Report No.:DDT-RE26070603-1E01)						

Conclusion:

For the max result: $1.7647127 + 0.0003461 = 1.7650588 \leq 3.0$ for 1-g SAR extremity SAR.

According to KDB 447498 D01 General RF Exposure Guidance v06, transmitter power RF exposure is below FCC threshold.

*** End of Report **

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地 址: 广东省东莞市石碣镇石碣铭华路30号1号楼101室

Address: Room 101, Building 1, No.30, Minghua Road, Shijie, Shijie Town, Dongguan, Guangdong, China.

电话总机/Tel.: +86 769-8181 3516

传 真/Fax.: +86 769-8181 3536