



RF TEST REPORT

Product Name: Thermal Receipt Printer

Model Name: AZ5003

FCC ID: 2A7VC-AZ5003

Issued For : Ningbo Deli Imp.&Exp.Co.,Ltd
301 Xuxiake Dadao, Ninghai County,Ningbo
City,Zhejiang,Province China

Issued By : Shenzhen LGT Test Service Co., Ltd.
Room 205, Building 13, Zone B, Zhenxiong Industrial Park,
No.177, Renmin West Road, Jinsha, Kengzi Street, Pingshan
District, Shenzhen, Guangdong, China

Report Number: LGT25B056HA01

Sample Received Date: Mar. 04, 2025

Date of Test: Feb. 19, 2025 ~ Feb. 26, 2025

Date of Issue: Mar. 04, 2025

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TEST REPORT CERTIFICATION

Applicant: Ningbo Deli Imp.&Exp.Co.,Ltd
Address: 301 Xuxiake Dadao, Ninghai County,Ningbo City,Zhejiang,Province
China
Manufacturer: DELI GROUP CO.,LTD.
Address: 301 Xuxiake Dadao, Ninghai County,Ningbo City,Zhejiang,Province
China
Product Name: Thermal Receipt Printer
Trademark: deli
Model Name: AZ5003
Sample Status: Normal

APPLICABLE STANDARDS	
STANDARD	TEST RESULTS
FCC 47 CFR §2.1093 KDB 447498 D01 General RF Exposure Guidance v06	PASS

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Revision History

Rev.	Issue Date	Revisions
00	Mar. 04, 2025	Initial Issue



1. GENERAL INFORMATION

1.1 GENERAL DESCRIPTION OF THE EUT

Product Name:	Thermal Receipt Printer	
Trademark:	deli	
Model Name:	AZ5003	
Series Model:	N/A	
Model Difference:	N/A	
Frequency Bands:	Bluetooth	2402-2480MHz
Battery:	Capacity: 1200mAh Rated Voltage: 3.7V	
Hardware Version:	N/A	
Software Version:	N/A	

1.2 TEST LABORATORY

Company Name:	Shenzhen LGT Test Service Co., Ltd.
Address:	Room 205, Building 13, Zone B, Zhenxiong Industrial Park, No.177, Renmin West Road, Jinsha, Kengzi Street, Pingshan District, Shenzhen, Guangdong, China
Accreditation Certificate:	A2LA Certificate No.: 6727.01
	FCC Registration No.: 746540
	CAB ID: CN0136



2. FCC 47CFR §2.1093 REQUIREMENT

RF Exposure Evaluation Method

RF EXPOSURE EVALUATION METHOD- KDB 447498 D01V06

SAR Test Exclusion Thresholds for 100 MHz – 6 GHz and ≤ 50 mm

Approximate SAR Test Exclusion Power Thresholds at Selected Frequencies and Test Separation

Distances are illustrated in the following Table.

MHz	5	10	15	20	25	mm
150	39	77	116	155	194	SAR Test Exclusion Threshold (mW)
300	27	55	82	110	137	
450	22	45	67	89	112	
835	16	33	49	66	82	
900	16	32	47	63	79	
1500	12	24	37	49	61	
1900	11	22	33	44	54	
2450	10	19	29	38	48	
3600	8	16	24	32	40	
5200	7	13	20	26	33	
5400	6	13	19	26	32	
5800	6	12	19	25	31	

Note: 10-g Extremity SAR Test Exclusion Power Thresholds are 2.5 times higher than the 1-g SAR Test Exclusion Thresholds indicated above. These thresholds do not apply, by extrapolation or other means, to occupational exposure limits.

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:

$$\left[\frac{\text{max. power of channel, including tune-up tolerance, mW}}{\text{min. test separation distance, mm}} \right] \cdot [\sqrt{f(\text{GHz})}] \leq 3.0 \text{ for 1-g SAR and } \leq 7.5 \text{ for 10-g extremity SAR, where}$$
$$f(\text{GHz}) \text{ is the RF channel transmit frequency in GHz}$$

Power and distance are rounded to the nearest mW and mm before calculation

The result is rounded to one decimal place for comparison

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 is applied to determine SAR test exclusion.

2.3 EUT OPERATION CONDITION

EUT was enabled to transmit and receive at lowest, middle and highest channels.



2.5 TEST RESULT

Turn up Result

Mode	Turn up Power
BT-GFSK	-3.5±1dBm
BT- $\pi/4$ -DQPSK	-2.5±1dBm
BLE-GFSK	-2.5dBm±1dBm

The MPE result of worst mode:

Mode	frequency (GHz)	Maximum Peak Conducted Output Power (dBm)	Tune up Power (dBm)	Tune up Power (mW)	Result	Limit
BT GFSK(1Mbps)	2.402	-2.66	-2.5	0.562	0.174	3
BT $\pi/4$ -DQPSK(2Mbps)	2.402	-1.5	-1.5	0.708	0.219	3
BLE GFSK(1Mbps)	2.402	-1.56	-1.5	0.708	0.219	3

Remark: Threshold at which no SAR required is $\text{Max. } 0.708 \leq 3.0$ for 1-g SAR, Separation distance is 5mm.

*****END OF THE REPORT*****