



RF TEST REPORT

Product Name: Wireless Meat Thermometer

Model Name: JX-37

FCC ID: 2BHZ9JX-37

Issued For : Dong guan jin xun Electronic Technology Co., Ltd

Room 14030, Building 2, No. 69 Fengqing Road, Fenggang
Town, Dongguan City, Guangdong Province

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: LGT24G037HA02

Sample Received Date: Jul. 04, 2024

Date of Test: Jul. 04, 2024 – Jul. 19, 2024

Date of Issue: Jul. 19, 2024

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TEST REPORT CERTIFICATION

Applicant: Dong guan jin xun Electronic Technology Co., Ltd

Address: Room 14030, Building 2, No. 69 Fengqing Road, Fenggang Town, Dongguan City, Guangdong Province

Manufacture: Dong guan jin xun Electronic Technology Co., Ltd

Address: Room 14030, Building 2, No. 69 Fengqing Road, Fenggang Town, Dongguan City, Guangdong Province

Product Name: Wireless Meat Thermometer

Trademark: N/A

Model Name: JX-37

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	Jul. 19, 2024	Initial Issue



1. GENERAL INFORMATION

1.1 GENERAL DESCRIPTION OF THE EUT

Product Name:	Wireless Meat Thermometer	
Trademark:	N/A	
Model Name:	JX-37	
Series Model:	N/A	
Model Difference:	N/A	
Frequency Bands:	Bluetooth	2402-2480MHz
Battery:	Model: 902030 Capacity: 500mAh Rated Voltage: 3.7V	
Hardware Version:	REV03	
Software Version:	V1.0.0	

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

2.1 RF Exposure Evaluation Method

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:

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

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.



BLE

Mode	2402-2480MHz
Detector	PEAK
BLE 1M-GFSK	-2±1dBm
BLE 2M-GFSK	-2±1dBm

Mode	frequency (GHz)	Maximum Peak Conducted Output Power (dBm)	Tune up Power (dBm)	Tune up Power (mW)	Result	Limit
BLE 1Mbps	2.402	-1.51	-1	0.794	0.246	3
BLE 2Mbps	2.402	-1.51	-1	0.794	0.246	3

Remark:

Threshold at which no SAR required is $\text{Max. } 0.246 \leq 3.0$ for 1-g SAR, Separation distance is 5mm.



APPENDIX I - PHOTOGRAPHS OF EUT CONSTRUCTIONAL DETAILS

Note: Please see the attached JX-37_EUT Photos.

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