Page 1 of 8 FCC ID: 2Al2E2025320

E2025320 Report No.: LCSA03205095EB



For

SHENZHEN MINJUN ELECTRONIC Technology CO., LTD

NetFy

Test Model: NetFy

Additional Model No.: VSA 30

Prepared for : SHENZHEN MINJUN ELECTRONIC Technology CO., LTD

Address : Libang technology Park, 3rdXitianIndustrialZone, Guangming New

District Shenzhen, China

Prepared by : Shenzhen LCS Compliance Testing Laboratory Ltd.

Address : 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei,

Shajing Street, Baoan District, Shenzhen, 518000, China

Tel : (+86)755-82591330 Fax : (+86)755-82591332 Web : www.LCS-cert.com

Mail : webmaster@LCS-cert.com

Date of receipt of test sample : March 20, 2025

Number of tested samples : 2

Sample No. : A250320024-1, A250320024-2

Serial number : Prototype

Date of Test : March 20, 2025 ~ April 02, 2025

Date of Report : April 03, 2025



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FCC ID: 2AI2E2025320

Report No.: LCSA03205095EB

RF Exposure Evaluation

Report Reference No.: LCSA03205095EB

Date of Issue.....: April 03, 2025

Testing Laboratory Name.....: Shenzhen LCS Compliance Testing Laboratory Ltd.

Address.....: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei,

Shajing Street, Baoan District, Shenzhen, 518000, China

Testing Location Procedure.....: Full application of Harmonised standards

Partial application of Harmonised standards

Other standard testing method

Applicant's Name.....: SHENZHEN MINJUN ELECTRONIC Technology CO., LTD

Address......: Libang technology Park, 3rdXitianIndustrialZone, Guangming New

District Shenzhen, China

Test Specification

Standard...... FCC KDB publication 447498 D01 General RF Exposure Guidance

v06

FCC CFR 47 part1 1.1310 FCC CFR 47 part2 2.1093

Test Report Form No.....: TRF-4-E-215 A0

TRF Originator.....: Shenzhen LCS Compliance Testing Laboratory Ltd.

Master TRF.....: Dated 2011-03

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EUT Description.....: NetFy

Trade Mark.....: N/A

Test Model.....: NetFy

Ratings.....: DC 3V By CR2032 Button Battery

Result: Positive

Compiled by: Supervised by:

Approved by:

prantin Lee

Martin Lee/ Administrator

Jack Liu/ Technique principal

Gavin Liang/ Manager







FCC -- TEST REPORT

Report No.: LCSA03205095EB

FCC ID: 2AI2E2025320

April 03, 2025 Test Report No.: LCSA03205095EB Date of issue

Test Model.....: NetFy EUT.....: NetFy SHENZHEN MINJUN ELECTRONIC Technology CO., Applicant..... **LTD** Address..... : Libang technology Park, 3rdXitianIndustrialZone, Guangming New District Shenzhen, China Telephone.....:: : / Fax..... SHENZHEN MINJUN ELECTRONIC Technology CO., Manufacturer..... LTD : Libang technology Park, 3rdXitianIndustrialZone, Address..... Guangming New District Shenzhen, China Telephone..... Fax..... SHENZHEN MINJUN ELECTRONIC Technology CO., Factory..... : Libang technology Park, 3rdXitianIndustrialZone, Guangming New District Shenzhen, China Telephone..... Fax.....

1001100011	Test Result	Positive
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The test report merely corresponds to the test sample.

It is not permitted to copy extracts of these test result without the written permission of the test laboratory.



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Revision History

Report Version	Issue Date	Revision Content	Revised By
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上 立语检测度份

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LCS Testing Lab





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1. Product Information

Product name : NetFy
Test Model : NetFy
Additional Model No. : VSA 30

Model Declaration : PCB board, structure and internal of these model(s) are the same,

So no additional models were tested

Power Supply : DC 3V By CR2032 Button Battery

Hardware Version : /
Software Version : /

Bluetooth : 2402MHz ~ 2480MHz

Channel Number : 40 channels for Bluetooth V5.2 (DTS)

Channel Spacing : 2MHz for Bluetooth V5.2 (DTS)
Modulation Type : GFSK for Bluetooth V5.2 (DTS)

Bluetooth Version : V5.2

Antenna Type : Ceramics Antenna

Antenna Gain : 5.05dBi

Exposure category : General population/uncontrolled environment

EUT Type : Production Unit
Device Type : Portable Device

Note: For a more detailed antenna description, please refer to the antenna specifications or the antenna report provided by the customer.

2. Evaluation method and Limit

According to KDB447498 D01 General RF Exposure Guidance v06 Section 4.3.1 Standalone SAR test exclusion considerations: "Unless specifically required by the published RF exposure KDB procedures, standalone 1-g head or body and 10-g extremity SAR evaluation for general population exposure conditions, by measurement or numerical simulation, is not required when the corresponding SAR Test Exclusion Threshold condition, listed below, is satisfied. These test exclusion conditions are based on source-based time-averaged maximum conducted output power of the RF channel requiring evaluation, adjusted for tune-up tolerance, and the minimum test separation distance required for the exposure conditions.22 The minimum test separation distance is determined by the smallest distance from the antenna and radiating structures or outer surface of the device, according to the host form factor, exposure conditions and platform requirements, to any part of the body or extremity of a user or bystander (see 5) of section 4.1). To qualify for SAR test exclusion, the test separation distances applied must be fully explained and justified by the operating configurations and exposure conditions of the transmitter and applicable host platform requirements, typically in the SAR measurement or SAR analysis report, according to the required published RF exposure KDB procedures. When no other RF exposure testing or reporting is required, a statement of justification and compliance must be included in the equipment approval, in lieu of the SAR report, to qualify for the SAR test exclusion. When required, the device specific conditions described in the other published RF exposure KDB procedures must be satisfied before applying these SAR test exclusion provisions; for example, handheld PTT two-way radios, handsets, laptops & tablets etc."

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

- f (GHz) is the RF channel transmit frequency in GHz
- Power and distance are rounded to the nearest mW and mm before calculation





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- 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 f) in section 4.1 is applied to
 determine SAR test exclusion.

When one of the following test exclusion conditions is satisfied for all combinations of simultaneous transmission configurations, further equipment approval is not required to incorporate transmitter modules in host devices that operate in the mixed mobile and portable host platform exposure conditions. The grantee is responsible for documenting this according to Class I permissive change requirements. Antennas that qualify for standalone SAR test exclusion must apply the estimated standalone SAR to determine simultaneous transmission test exclusion.

- a) The [\sum of (the highest measured or estimated SAR for each standalone antenna configuration, adjusted for maximum tune-up tolerance) / 1.6 W/kg] + [\sum of MPE ratios] is \leq 1.0.
 - b)The SAR to peak location separation ratios of all simultaneously transmitting antenna pairs operating in portable device exposure conditions are all ≤ 0.04, and the [∑ of MPE ratios] is ≤ 1.0.

3. Refer Evaluation Method

ANSI C95.1–1999: IEEE Standard for Safety Levels with Respect to Human Exposure to Radio Frequency Electromagnetic Fields, 3 kHz to 300 GHz.

FCC KDB publication 447498 D01 General RF Exposure Guidance v06: Mobile and Portable Devices RF Exposure Procedures and Equipment Authorization Policies.

FCC CFR 47 part1 1.1310: Radiofrequency radiation exposure limits.

FCC CFR 47 part2 2.1093: Radiofrequency radiation exposure evaluation: portable devices

4. Conducted Power Results

< BLE 1M >

Mode	Channel	Frequency (MHz)	Peak Conducted Output Power (dBm)
	0	2402	-0.55
GFSK	19	2440	0.72
	39	2480	-0.3

< BLE 2M >

Mode	Channel	Frequency (MHz)	Peak Conducted Output Power (dBm)
GFSK	0	2402	-0.68
	19	2440	0.44
	39	2480	0.15

5. Manufacturing Tolerance

< BLE 1M >

CESK (Book)						
GFSK (Peak)						
Channel Channel 0 Channel 19 Channel 39						
Target (dBm)	0	0	0			
Tolerance ±(dB)	1.0	1.0	1.0			

< BLE 2M >

GFSK (Peak)							
Channel	Channel 0 Channel 19 Channe						
Target (dBm)	C2 0	O res	0				
Tolerance ±(dB)	1.0	1.0	1.0				



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6. Evaluation Results

6.1 Standalone Evaluation

Standalon	e Evaluation						
D	-1/N/I1 -	f	Antenna	1		SAR Test	SAR Test
Ban	d/Mode	(GHz)	Distance (mm)	dBm	mW	Exclusion Exclusion	
BLE 1M	GFSK	2.480	5	1.0	1.2589	0.3965< 3.0	Yes
BLE 2M	GFSK	2.480	5	1.0	1.2589	0.3965< 3.0	Yes

Remark:

- 1. Output power including tune up tolerance;
- 2. When the minimum test separation distance is < 5 mm, a distance of 5 mm according to f) in section
- 4.1 is applied to determine SAR test exclusion.

6.2 Simultaneous Transmission for SAR Exclusion

The sample support one BT modular. No need consider simultaneous transmission.

7. Conclusion

The measurement results comply with the FCC Limit per 47 CFR 2.1093 for the uncontrolled RF Exposure and SAR Exclusion Threshold per KDB 447498 v06.

8. Description of Test Facility

NVLAP Accreditation Code is 600167-0.

FCC Designation Number is CN5024.

CAB identifier is CN0071.

CNAS Registration Number is L4595.

Test Firm Registration Number: 254912.

9. Measurement Uncertainty

Test Item		Frequency Range	Uncertainty	Note
Output power	:	1GHz-40GHz	±0.57dB	(1)

(1). This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2.

.....THE END OF REPORT.....









