Aibo Standard Technology (Shenzhen) Co., Ltd.
101, Building B, Tuori New Energy Industrial Park, High-tech Park, Tianliao Community, Yutang Street, Guangming District, Shenzhen City, Guangdong Province, China
Tel.: +(86) 0755 85250797 E-mail: Aibonorm@aibonorm.com Website: www.Aibonorm.com

FCC TEST REPORT

Report No.....:	AB25060018FW03
FCC ID.....:	2AXHE-AIC8800DL
Applicant.....:	Shenzhen MiaoMing Intelligent Technology Co.,Ltd
Address..... :	Room 301, Building 2, Factory, No. 1310, Kukeng Sightseeing Road, Kukeng Community, Guanlan Sub-district, Longhua District, Shenzhen, Guangdong, China
Manufacturer.....:	Shenzhen MiaoMing Intelligent Technology Co.,Ltd
Address.....:	Room 301, Building 2, Factory, No. 1310, Kukeng Sightseeing Road, Kukeng Community, Guanlan Sub-district, Longhua District, Shenzhen, Guangdong, China
Product Name..... :	Wireless Module
Trade Mark.....:	N/A
Test Model.....:	AIC8800DL
Additional Model(s).....:	A6880DA-SRAA
Standard.....:	FCC 47 CFR §1.1310 FCC 47 CFR §2.1093 KDB 447498 D01 General RF Exposure Guidance v06
Date of Receipt..... :	2025.06.04
Date of Issue..... :	2025.07.21
Test Result..... :	Pass

Compiled by: (Printed Name + Signature)	Huaijie Li	Huaijie Li
Supervised by: (Printed Name + Signature)	Jay Liu	Jay Liu
Approved by: (Printed Name + Signature)	Mic Cheng	Mic Cheng

Testing Laboratory Name..... :	Aibo Standard Technology (Shenzhen) Co., Ltd.
Address..... :	101, Building B, Tuori New Energy Industrial Park, High-tech Park, Tianliao Community, Yutang Street, Guangming District, Shenzhen City, Guangdong Province, China

FCC TEST REPORT

Test Report No.: AB25060018FW03	2025.07.21 Date of issue

EUT.....	:	Wireless Module
Test Model.....	:	AIC8800DL
Applicant.....	**:**	Shenzhen MiaoMing Intelligent Technology Co.,Ltd
Address.....	:	Room 301, Building 2, Factory, No. 1310, Kukeng Sightseeing Road, Kukeng Community, Guanlan Sub-district, Longhua District, Shenzhen, Guangdong, China
Telephone.....	:	/
Fax.....	:	/
Manufacturer.....	**:**	Shenzhen MiaoMing Intelligent Technology Co.,Ltd
Address.....	:	Room 301, Building 2, Factory, No. 1310, Kukeng Sightseeing Road, Kukeng Community, Guanlan Sub-district, Longhua District, Shenzhen, Guangdong, China
Telephone.....	:	/
Fax.....	:	/

Test Result	Positive

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.

REPORT VERSION

Version No.	Issue Date	Description
01	2025.07.21	Initial Issue

TABLE OF CONTENTS

1. GENERAL INFORMATION

1.1. GENERAL DESCRIPTION OF EUT

Product Name:	Wireless Module	
Trade Mark:	N/A	
Test Model:	AIC8800DL	
Additional Model(s):	A6880DA-SRAA	
Model Difference:	All models are the same circuit and RF module, except the model name.	
Hardware Version:	A6800DA-SRAA	
Software Version:	/	
Power Supply:	AC 230V/50Hz, DC 3.3V	
EUT Supports Function: (Provided by the customer)	2.4GHz ISM Bands:	Bluetooth V5.2
Test Sample(s) Number:	AB25060018-01 (Engineer Sample) AB25060018-02 (Normal Sample)	
Radio Specification Subject to this Report		
Bluetooth Version:	Bluetooth LE	
Frequency Range:	2402MHz~2480MHz	
Modulation Type:	GFSK	
Channel Spacing:	2MHz	
Channel Number(s):	40	
Antenna Type:	PIFA Antenna	
Antenna Gain:	1.98dBi(Max.)	
2.4G Wifi		
Radio Specification:	IEEE 802.11b/g/n	
Frequency Range:	2412MHz~2462MHz for IEEE 802.11b/g/n/ax(HT20) 2422MHz~2452MHz for IEEE 802.11n/ax(HT40)	
Modulation Type:	IEEE 802.11b: DSSS (CCK, DQPSK, DBPSK) IEEE 802.11g: OFDM (64-QAM, 16-QAM, QPSK, BPSK) IEEE 802.11n-HT20: OFDM (64-QAM, 16-QAM, QPSK, BPSK) IEEE 802.11n-HT40: OFDM (64-QAM, 16-QAM, QPSK, BPSK) IEEE 802.11ax-HT20: OFDM (1024-QAM,256-QAM,64-QAM, 16-QAM, QPSK, BPSK) IEEE 802.11ax-HT40: OFDM (1024-QAM,256-QAM,64-QAM, 16-QAM, QPSK, BPSK)	
Channel Spacing:	5MHz	
Channel Number(s):	11 Channels for IEEE 802.11b/g/n/ax(HT20) 7 Channels for IEEE 802.11n/ax(HT40)	
Antenna Type:	PIFA Antenna	
Antenna Gain:	1.98dBi(Max.)	

1.2. DESCRIPTION OF SUPPORT EQUIPMENT

Description	Manufacturer	Model	Serial Number	Supplied by
AC/DC Adapter	Xiaomi	MDY-11-EX	SA62212LA04358J	Applicant

1.3. DESCRIPTION OF EXTERNAL I/O

I/O Port Description	Quantity	Cable
N/A	N/A	N/A

1.4. GENERAL DESCRIPTION OF APPLIED STANDARDS

The tests were performed according to following standards:

FCC CFR 47 part1 1.1310 - Radio frequency radiation exposure limits.

FCC CFR 47 part2 2.1093 -Radio frequency radiation exposure evaluation: portable devices

FCC KDB 447498 D01 General RF Exposure Guidance v06-Mobile and Portable Device, RF Exposure, Equipment Authorization Procedures.

1.5. DESCRIPTION OF TEST FACILITY

Test Lab: Aibo Standard Technology (Shenzhen) Co., Ltd.

Address: 101, Building B, Tuori New Energy Industrial Park, High-tech Park, Tianliao Community, Yutang Street, Guangming District, Shenzhen City, Guangdong Province, China

Tel.: +(86) 0755 85250797

E-mail: Aibonorm@aibonorm.com

Website: www.Aibonorm.com

The test facility is recognized, certified, or accredited by the following organizations:

A2LA-Lab Certificate No.: 7514.01

Aibo Standard Technology (Shenzhen) Co., Ltd. has been accredited by A2LA for technical competence in the field of electrical testing, and proved to be in compliance with ISO/IEC 17025 General Requirements for the Competence of Testing and Calibration Laboratories and any additional program requirements in the identified field of testing.

FCC Accredited Lab.

Designation Number: CN1411

Test Firm Registration Number: 567066

ISED Wireless Device Testing Laboratories

CAB identifier: CN0185

2. RF EXPOSURE EVALUATION

2.1 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.23 “

[(max. power of channel, including tune-up tolerance, mW)/ (min. test separation distance, mm)] · [√f (GHz)] ≤ 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

• 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.

2.2 Evaluation Result

Band/ Mode	f (GHz)	Evaluation Distance (mm)	RF Output Power (dBm)	Tolerance (dBm)	Max Tune-up Power(dBm)	Max. Tune-up Power(mw)	Calc. thresholds	SAR Test Exclusion Threshold
BLE	2402	5	2.61	2(±1)	3	2.00	0.6184670	3.0
2.4G	2412	5	6.95	6(±1)	7	5.01	1.5567492	3.0

2.3 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 D01 v06. No SAR test is required.

**********THE END**********