

FCC TEST REPORT

Report No.....: AB26020130FW05

FCC ID.....: 2BVLX-A58733A-UUBA

Applicant.....: Guangdong Qiming Intelligent Industrial Co., Ltd.

Address.....: No. 501, Building 5, No. 3, Nikeng 3rd Road, Xinlan Community,
Guanlan Street, Longhua District, Shenzhen City

Manufacturer.....: Guangdong Qiming Intelligent Industrial Co., Ltd.

Address.....: No. 501, Building 5, No. 3, Nikeng 3rd Road, Xinlan Community,
Guanlan Street, Longhua District, Shenzhen City

Product Name.....: Wireless Module

Trade Mark.....: Qiming Intelligent

Test Model.....: A58733A-UUBA

Additional Model(s).....: /

Standard.....: FCC Part 2 (Section 2.1091)
KDB 447498 D01
IEEE C95.1

Date of Receipt.....: 2026.02.25

Date of Issue.....: 2026.04.08

Test Result.....: Pass

Compiled by:
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Huaijie Li

Supervised by:
(Printed Name + Signature) David Huang

David Huang

Approved by:
(Printed Name + Signature) Jay Liu

Jay Liu

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

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Aibo Standard Technology (Shenzhen) Co., Ltd.

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FCC TEST REPORT

EUT.....	: Wireless Module
Test Model.....	: A58733A-UUBA
Applicant.....	: Guangdong Qiming Intelligent Industrial Co., Ltd.
Address.....	: No. 501, Building 5, No. 3, Nikeng 3rd Road, Xinlan Community, Guanlan Street, Longhua District, Shenzhen City
Manufacturer.....	: Guangdong Qiming Intelligent Industrial Co., Ltd.
Address.....	: No. 501, Building 5, No. 3, Nikeng 3rd Road, Xinlan Community, Guanlan Street, Longhua District, Shenzhen City

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.

REPORT VERSION

Version No.	Issue Date	Description
01	2026.04.08	Initial Issue

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1. GENERAL INFORMATION

1.1. GENERAL DESCRIPTION OF EUT

Product Name:	Wireless Module
Trade Mark:	Qiming Intelligent
Test Model:	A58733A-UUBA
Additional Model(s):	/
Hardware Version:	/
Software Version:	/
Power Supply:	DC 3.3V
EUT Supports Function: (Provided by the customer)	BT,WiFi
Test Sample(s) Number:	AB26020130-01 (Engineer Sample)
Radio Specification Subject to this Report	
BR	
Bluetooth Version:	Bluetooth BDR + EDR
Frequency Range:	2402MHz~2480MHz
Modulation Type:	GFSK, $\pi/4$ DQPSK, 8DPSK
Channel Spacing:	1MHz
Channel Number(s):	79
Antenna Type:	Integral Antenna
Antenna Gain:	3.02dBi
BLE	
Bluetooth Version:	Bluetooth LE
Frequency Range:	2402MHz~2480MHz
Modulation Type:	GFSK
Channel Spacing:	2MHz
Channel Number(s):	40
Antenna Type:	Integral Antenna
Antenna Gain:	3.02dBi
2.4G WiFi	
Radio Specification:	IEEE 802.11b/g/n
Frequency Range:	2412MHz~2462MHz for IEEE 802.11b/g/n(HT20) 2422MHz~2452MHz for IEEE 802.11n(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)	
Channel Spacing:	5MHz	
Channel Number(s):	11 Channels for IEEE 802.11b/g/n(HT20) 7 Channels for IEEE 802.11n(HT40)	
Antenna Type:	Integral Antenna	
Antenna Gain:	3.02dBi	
5G WiFi		
Radio Specification:	IEEE 802.11a/n	
Frequency Range:	5180MHz~5240MHz for U-NII Band1 5260MHz~5320MHz for U-NII Band2A 5500MHz~5700MHz for U-NII Band2C 5745MHz~5825MHz for U-NII Band3	
Modulation Type:	IEEE 802.11a: OFDM (64QAM, 16QAM, QPSK, BPSK) IEEE 802.11n: OFDM (64-QAM, 16-QAM, QPSK, BPSK)	
Channel Spacing:	IEEE 802.11a/n(HT20): 20MHz IEEE 802.11n(HT40): 40MHz	
Channel Number(s):	U-NII Band1: 4 for IEEE 802.11a/n(HT20) 2 for IEEE 802.11n(HT40) U-NII Band2A: 4 for IEEE 802.11a/n(HT20) 2 for IEEE 802.11n(HT40) U-NII Band2C: 11 for IEEE 802.11a/n(HT20) 5 for IEEE 802.11n(HT40) U-NII Band3: 5 for IEEE 802.11a/n(HT20) 2 for IEEE 802.11n(HT40)	
Antenna Type:	Integral Antenna	
Antenna Gain:	U-NII Band1:	2.46dBi
	U-NII Band2A:	2.46dBi
	U-NII Band2C:	3.71dBi
	U-NII Band3:	3.71dBi

1.2. 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.: +86 755 85250797

E-mail: aibo@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

Company Number: 33924

CAB identifier: CN0185

2. RF EXPOSURE EVALUATION

2.1 Limit

The criteria listed in the following table shall be used to evaluate the environment impact of human exposure to radio frequency (RF) radiation as specified in 1.1307(b)

Limits for Maximum Permissible Exposure (MPE)

Frequency range (MHz)	Electric field strength (V/m)	Magnetic field strength (A/m)	Power density (mW/cm ²)	Averaging time (minutes)
(A) Limits for Occupational/Controlled Exposures				
0.3-3.0	614	1.63	*(100)	6
3.0-30	1842/f	4.89/f	*(900/f ²)	6
30-300	61.4	0.163	1.0	6
300-1500			f/300	6
1500-100,000			5	6
(B) Limits for General Population/Uncontrolled Exposure				
0.3-1.34	614	1.63	*(100)	30
1.34-30	824/f	2.19/f	*(180/f ²)	30
30-300	27.5	0.073	0.2	30
300-1500			f/1500	30
1500-100,000			1.0	30

f = frequency in MHz

Friis transmission formula: $P_d = (P_{out} * G) / (4 * \pi * r^2)$

Where

P_d = power density in mW/cm², P_{out} = output power to antenna in mW;

G = gain of antenna in linear scale, $\pi = 3.1416$;

R = distance between observation point and center of the radiator in cm

P_d is the limit of MPE, 1 mW/cm². If we know the maximum gain of the antenna and the total power input to the antenna, through the calculation, we will know the distance r where the MPE limit is reached.

Test Procedure

Software provided by client enabled the EUT to transmit and receive data at lowest, middle and highest channel individually.

2.2 Evaluation Result

Mode	Total Power (dBm)	Antenna Gain	Max.EIRP (dBm)	Max.EIRP (mW)	Power Density at R=20cm (mW/cm ²)	Limit (mW/cm ²)	Result
BT	4.3	3.02	7.320	5.395	0.001073	1.0	PASS
BLE	2.94	3.02	5.960	3.945	0.000785	1.0	PASS
2.4G WIFI	7.65	3.02	10.670	11.668	0.002321	1.0	PASS
5.1G WIFI	13.61	2.46	16.070	40.458	0.008049	1.0	PASS
5.2G WIFI	12.99	2.46	15.450	35.075	0.006978	1.0	PASS
5.6G WIFI	12.84	3.71	16.550	45.186	0.008989	1.0	PASS
5.8G WIFI	13.88	3.71	17.590	57.412	0.011422	1.0	PASS

Results for transmit simultaneously

No.	Configurations	Maximum MPE Value (mW/cm ²)		Transmit simultaneously	Limits
1	BT + 2.4G WIFI	0.001073	0.007793	0.008866	1
2	BT + 5.8G WIFI	0.001073	0.011422	0.012495	1

At the transmit simultaneously calculation method is as follows:

$$\text{Transmit simultaneously MPE} = \sum \text{of MPE ratios}^2$$

$$\text{MPE ratios} = \text{Field strengths or power density} / \text{MPE limit at the test frequency}$$

So a SAR test is not required.

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