

FCC TEST REPORT

Report No.....: AB26060374FW03

FCC ID.....: **2BOA2-BM01**

Applicant.....: Shenzhen Sikeda Technology Co., Ltd.

Address.....: Room 518, Block A, Yongqi Business Building, Yintian Creative Park, Xixiang, Bao'an District, Shenzhen

Manufacturer.....: Shenzhen Jianzhen Technology Co., Ltd.

Address.....: 5503A, SEG Plaza, No. 1002 Huaqiang North Road, Fuqiang Community, Futian District, Shenzhen

Product Name.....: In-Vehicle Multimedia Navigation Screen

Trade Mark.....: HMYC

Test Model.....: BM01

Additional Model(s).....: See section 1.1

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

Date of Receipt.....: 2026.06.30

Date of Issue.....: 2026.07.10

Test Result.....: Pass

Compiled by:
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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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FCC TEST REPORT

EUT.....	: In-Vehicle Multimedia Navigation Screen
Test Model.....	: BM01
Applicant.....	: Shenzhen Sikeda Technology Co., Ltd.
Address.....	: Room 518, Block A, Yongqi Business Building, Yintian Creative Park, Xixiang, Bao'an District, Shenzhen
Manufacturer.....	: Shenzhen Jianzhen Technology Co., Ltd.
Address.....	: 5503A, SEG Plaza, No. 1002 Huaqiang North Road, Fuqiang Community, Futian District, Shenzhen

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	2026.07.10	Initial Issue

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1. GENERAL INFORMATION

1.1. GENERAL DESCRIPTION OF EUT

Product Name:	In-Vehicle Multimedia Navigation Screen
Trade Mark:	HMYC
Test Model:	BM01
Additional Model(s):	BM02, BM03, BM04, BM05, BM06, BM07, BM08, BM09, BM10, BZ01, BZ02, BZ03, BZ04, BZ04, BZ05, BZ06, BZ07, BZ08
Model Difference	All models are the same circuit and RF module, except the model name
Hardware Version:	V3.1
Software Version:	/
Power Supply:	DC 12V/1A
EUT Supports Function: (Provided by the customer)	BT/5G WiFi
Test Sample(s) Number:	AB26060374-01 (Engineer Sample) AB26060374-02 (Normal Sample)
Radio Specification Subject to this Report	
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:	Internal Antenna
Antenna Gain:	3.13dBi
Radio Specification Subject to this Report	
Radio Specification:	IEEE 802.11a/n/ac
Frequency Range:	5180MHz~5240MHz for U-NII Band1
Modulation Type:	IEEE 802.11a: OFDM (64QAM, 16QAM, QPSK, BPSK) IEEE 802.11n: OFDM (64-QAM, 16-QAM, QPSK, BPSK) IEEE 802.11ac: OFDM(256QAM, 64QAM, 16QAM, QPSK, BPSK)
Channel Spacing:	IEEE 802.11a/n(HT20)/ac(VHT20): 20MHz IEEE 802.11n(HT40)/ac(VHT40): 40MHz
Channel Number(s):	U-NII Band1: 4 for IEEE 802.11a/n(HT20)/ac(VHT20) 2 for IEEE 802.11n(HT40)/ac(VHT40)
Antenna Type:	FPC Antenna
Antenna Gain:	U-NII Band1: 3.29dBi
TPC Function:	Not Support
DFS Function:	Slave without radar detection

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) 0755 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

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	Output power to antenna (dBm)	Output power to antenna (mW)	Power Density at R=20cm (mW/cm ²)	Limit (mW/cm ²)	Result
BR	7.07	5.093	0.001013	1.0	PASS
5G WIFI	15.75	37.584	0.007477	1.0	PASS

Results for transmit simultaneously

No.	Configurations	Maximum MPE Value mW/cm ²		Transmit simultaneously	Limits
1	BR+ 5G WIFI	0.001013	0.007477	0.00849	1

At the transmit simultaneously calculation method is as follows:

Transmit simultaneously MPE = Σ of MPE ratios²

MPE ratios = Field strengths or power density / MPE limit at the test frequency

So a SAR test is not required

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