

FCC TEST REPORT

Report No.....: AB26060115FW03
FCC ID.....: 2ACZO-USR-G806P
Applicant.....: Jinan USR IOT Technology Limited
Address.....: Floor F1 & Part of Floor F2, Building No.9, Diya Shuang Chuang Industrial Zone, No.2566, Century Main Road, Gaoxin District, Jinan, Shandong
Manufacturer.....: Jinan USR IOT Technology Limited
Address.....: Floor F1 & Part of Floor F2, Building No.9, Diya Shuang Chuang Industrial Zone, No.2566, Century Main Road, Gaoxin District, Jinan, Shandong
Product Name.....: 4G Wireless Router
Trade Mark.....: 
Test Model.....: USR-G806p
Additional Model(s).....: /
Standard.....: FCC Part 2 (Section 2.1091); KDB 447498 D01; IEEE C95.1
Date of Receipt.....: 2026.06.15
Date of Issue.....: 2026.07.07
Test Result.....: Pass

Compiled by:
(Printed Name + Signature) Huaijie Li



Supervised by:
(Printed Name + Signature) David Huang



Approved by:
(Printed Name + Signature) 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.....	: 4G Wireless Router
Test Model.....	: USR-G806p
Applicant.....	: Jinan USR IOT Technology Limited
Address.....	: Floor F1 & Part of Floor F2, Building No.9, Diya Shuang Chuang Industrial Zone, No.2566, Century Main Road, Gaoxin District,Jinan, Shandong
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Test Result	Positive
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The test report merely corresponds to the test sample.

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REPORT VERSION

Version No.	Issue Date	Description
01	2025.11.28	Initial Issue

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1. GENERAL INFORMATION

1.1. GENERAL DESCRIPTION OF EUT

Product Name:	4G Wireless Router	
Trade Mark:		
Test Model:	USR-G806p	
Additional Model(s):	/	
Model Difference:	/	
Hardware Version:	/	
Software Version:	/	
Power Supply:	DC 12V/1A	
EUT Supports Function: (Provided by the customer)	2.4GHz ISM Bands:	IEEE 802.11b/g/n
Test Sample(s) Number:	AB26060115-01 (Engineer Sample) AB26060115-02 (Normal Sample)	
Radio Specification Subject to this Report		
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:	4G Sucker Antenna	
Antenna Gain:	ANT 1:5.12dBi ANT 2:5.12dBi	
Radio Specification Subject to this Report		
Support Networks:	Band 2/4/5/7/12/13/25/26/38/40/41/66/71	
Frequency Range:	Band 2	1850MHz~1910MHz
	Band 4	1710MHz~1755MHz
	Band 5	824MHz~849MHz
	Band 7	2500MHz~2570MHz
	Band 12	699MHz~716MHz
	Band 13	777MHz~787MHz
	Band 25	1850MHz~1915MHz
	Band 26 Part22	824MHz~849MHz
	Band 26 Part90	814MHz~824MHz
	Band 38	2570MHz~2620MHz
	Band 40-1	2305MHz~2315MHz
	Band 40-2	2350MHz~2360MHz
	Band 41	2500MHz~2690MHz

	Band 66	1710MHz–1780MHz
Modulation Type:	QPSK, 16QAM	
Channel Bandwidth:	Band 2	1.4MHz, 3MHz, 5MHz, 10MHz, 15MHz, 20MHz
	Band 4	1.4MHz, 3MHz, 5MHz, 10MHz, 15MHz, 20MHz
	Band 5	1.4MHz, 3MHz, 5MHz, 10MHz
	Band 7	5MHz, 10MHz, 15MHz, 20MHz
	Band 12	1.4MHz, 3MHz, 5MHz, 10MHz
	Band 13	5MHz, 10MHz
	Band 25	1.4MHz, 3MHz, 5MHz, 10MHz, 15MHz, 20MHz
	Band 26 Part22	1.4MHz, 3MHz, 5MHz, 10MHz, 15MHz
	Band 26 Part90	1.4MHz, 3MHz, 5MHz, 10MHz
	Band 38	5MHz, 10MHz, 15MHz, 20MHz
	Band 40-1	5MHz, 10MHz
	Band 40-2	5MHz, 10MHz
	Band 41	5MHz, 10MHz, 15MHz, 20MHz
	Band 66	1.4MHz, 3MHz, 5MHz, 10MHz, 15MHz, 20MHz
Antenna Type:	4G Sucker Antenna 1.51dBi for band 2; 1.51dBi for band 4; 1.62dBi for band 5; 1.62dBi for band 7; 1.37dBi for band 12; 1.37dBi for band 13; 1.51dBi for band 25; 1.61dBi for band 26; 1.62dBi for band 38; 1.36dBi for band 40; 1.62dBi for band 41; 1.51dBi for band 66;	

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	Total Power (dBm)	Antenna Gain	Max.EIRP (dBm)	Max.EIRP (mW)	Power Density at R=20cm (mW/cm ²)	Limit (mW/cm ²)	Result
2.4G WIFI	13	5.12	18.12	64.863	0.012904	1.0	PASS
LTE band 2	24.5	1.51	26.01	399.025	0.079383	1.0	PASS
LTE band 4	24	1.51	25.51	355.631	0.070751	1.0	PASS
LTE band 5	23	1.62	22.47	176.604	0.035134	0.549	PASS
LTE band 7	22	1.62	23.62	230.144	0.045786	1.0	PASS
LTE band 12	24	1.37	23.22	209.894	0.041757	0.466	PASS
LTE band 13	24	1.37	23.22	209.894	0.041757	0.518	PASS
LTE band 25	23	1.51	24.51	282.488	0.056199	1.0	PASS
LTE band 26	23	1.61	22.46	176.198	0.035053	0.543	PASS
LTE band 38	21.5	1.62	23.12	205.116	0.040807	1.0	PASS
LTE band 40	23	1.36	24.36	272.898	0.054291	1.0	PASS
LTE band 41	21	1.62	22.62	182.810	0.036369	1.0	PASS
LTE band 66	23	1.51	24.51	282.488	0.056199	1.0	PASS

Results for transmit simultaneously

No.	Configurations	Maximum MPE Value mW/cm ²		Transmit simultaneously	Limits
1	2.4G WIFI+ LTE band 2	0.012904	0.079383	0.092287	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*****