

RF EXPOSURE Test Report

Product: 4G Battery Camera

Trade Mark: N/A

Model Number: A10

FCC ID: 2BSVV-A10

Prepared for

Shenzhen jieruisu technology co., ltd
501, Building E, Weihuada Industrial Park, No. 5 Lirong Road, Xinshi
Community, Dalang Street, Longhua District, Shenzhen

Prepared by

Shenzhen HongBiao Certification& Testing Co., Ltd
Room 102, 201, Building 2, Yuanwanggu RFID Industrial Park, Tongguan
Road, Tianliao Community, Yutang Street, Guangming District, Shenzhen,
China
Tel.: +86-755-2998 9321 Fax.: +86-755-2998 5110
Website: <http://www.sz-hongbiao.com>

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TEST RESULT CERTIFICATION

Applicant's Name : Shenzhen jieruisu technology co., ltd
Address : 501, Building E, Weihuada Industrial Park, No. 5 Lirong Road,
Xinshi Community, Dalang Street, Longhua District, Shenzhen
Manufacturer's Name : Shenzhen jieruisu technology co., ltd
Address : 501, Building E, Weihuada Industrial Park, No. 5 Lirong Road,
Xinshi Community, Dalang Street, Longhua District, Shenzhen

Product description

Product name : 4G Battery Camera
Model Number : A10

Standards : FCC CFR 47 PART 1 , 1.1310

Test procedure : KDB 447498 D01 General RF Exposure Guidance v06

This device described above has been tested by Shenzhen HongBiao Certification& Testing Co., Ltd and the test results show that the equipment under test (EUT) is in compliance with the EMC requirements. And it is applicable only to the tested sample identified in the report.

Date of Test :

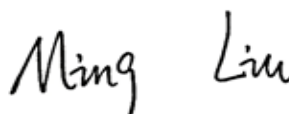
Date (s) of performance of tests : Jan. 05, 2026~Jan. 12, 2026

Test Result..... : **Pass**

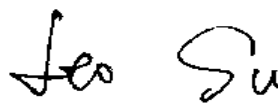
Testing Engineer :


(Z o e S u)

Technical Manager :


(M i n g L i u)

Authorized Signatory :


(L e o S u)

[illegible]

1 General Description

1.1 Description of EUT

Product name:	4G Battery Camera
Model name:	A10
Series Model:	A11, A12, A13, R6-4G, R8-4G, R9-4G, C1, C3, C6
Different of series model:	All the models are the same circuit and module, except the model No..
Operation frequency:	LTE FDD Band 2: 1850 - 1910MHz LTE FDD Band 4: 1710 - 1754MHz LTE FDD Band 5: 824 - 849MHz LTE FDD Band 12: 698 - 716MHz LTE FDD Band 13: 777 - 787MHz LTE TDD Band 66: 1710 - 1780MHz
Modulation type:	QPSK,16QAM
SIM card:	The 4G Battery Camera has one SIM Card socket.
Antenna type:	FPC Antenna
Antenna gain:	LTE FDD Band 2: 3.14dBi LTE FDD Band 4: 3.39dBi LTE FDD Band 5: 1.87dBi LTE FDD Band 12: 1.19dBi LTE FDD Band 13: 1.21dBi LTE TDD Band 66: 3.39dBi
Max. output power:	LTE FDD Band 2: 23.01dBm LTE FDD Band 4: 22.87dBm LTE FDD Band 5: 23.02dBm LTE FDD Band 12: 22.99dBm LTE FDD Band 13: 22.79dBm LTE TDD Band 66: 23.05dBm
Hardware version:	V1.0
Software version:	V1.0
Battery:	DC 3.7V, 3200mAh, 11.84Wh
Power supply:	Input: 5V/1A
Adapter information:	N/A

1.2 Test Mode

Pretest Test Mode	Description of Mode
1	TX

1.3 Test Setup

See photographs of the test setup in the report for the actual setup and connections between EUT and support equipment.

1.4 Ancillary Equipment

Equipment	Model	S/N	Manufacturer
/	/	/	/

2 Test Facilities and Accreditations

2.1 Test Laboratory

Test Site	Shenzhen HongBiao Certification& Testing Co., Ltd
Test Site Location	Room 102, 201, Building 2, Yuanwanggu RFID Industrial Park, Tongguan Road, Tianliao Community, Yutang Street, Guangming District, Shenzhen, China
Telephone:	(86-755) 2998 9321
Fax:	(86-755) 2998 5110
FCC Registration No.:	CN1341
A2LA Certificate No.:	6765.01

2.2 Environmental Conditions

During the measurement the environmental conditions were within the listed ranges:

Temperature:	15°C~35°C
Relative Humidity:	20%~75%
Air Pressure:	98kPa~101kPa

2.3 Measurement Uncertainty

The reported uncertainty of measurement $y \pm U$, where expended uncertainty U is based on a standard uncertainty multiplied by a coverage factor of $k=2$, providing a level of confidence of approximately 95 %.

The data and results quoted in this document are true and accurate values, and uncertainties are not involved in the calculations.

In addition, components and mass production processes that are similar to testing equipment may introduce additional deviations, and the manufacturer is solely responsible for the continued compliance of the equipment.

Measurement Frequency Range	U, (dB)	Note
RF frequency	2×10^{-5}	
RF power, conducted	± 0.57 dB	
Temperature	± 1 degree	
Humidity	± 5 %	

2.4 Test Software

Software name	Manufacturer	Model	Version
RF Test System	MWRF	MTS 8310	V2.0.0.0

3 List of Test Equipment

RF							
Item	Equipment No.	Equipment name	Manufacturer	Model	Serial No.	Calibration date	Due date
1	HB-E041	MXG Anaio Signal Generator	Agilent	N5181A	MY47070421	2025-05-07	2026-05-06
2	HB-E042	WIDEBAND RADIO COMMUNICATION TESTER	R&S	CMW500	132108	2025-05-08	2026-05-07
3	HB-E043	MXG Anaio Signal Generator	Agilent	N5182A	US46240335	2025-05-08	2026-05-07
4	HB-E044	Signal & spectrum Analyzer	R&S	FSV3044	101264	2025-05-07	2026-05-06
5	HB-E045	RF Control Box	Noyetec	NY100-R FCB	N/A	2025-05-08	2026-05-07
6	HB-E058	Thermometer Clock Humidity Monitor	N/A	HTC-1S	N/A	2025-05-09	2026-05-08

Note: the calibration interval of the above test instruments is 12 months and the calibrations are traceable to international system unit (SI).

4 RF Exposure

4.1 Standalone SAR test exclusion considerations

4.1.1. Limit

According to FCC 1.1310: 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).

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 Exposure				
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
300-1,500			f/300	6
1,500-100,000			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
300-1,500			f/1500	30
1,500-100,000			1.0	30

f = frequency in MHz * = Plane-wave equivalent power density

MPE Calculation Method

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

Where

P_d = Power density in mW/cm²

P_{out} = output power to antenna in mW

G = Numeric gain of the antenna relative to isotropic antenna

π = 3.1415926

R = distance between observation point and center of the radiator in cm(20cm)

P_d the limit of MPE, 1mW/cm².

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

4.1.2. Test Result

LTE:

Band	Channel Freq. (MHz)	conducted power (dBm)	Tune-up Power (dBm)	Max tune-up power		Antenna Gain		Evaluation result (mW/cm ²)	Power density Limits (mW/cm ²)
				(dBm)	(mW)	(dBi)	Numeric		
2	1880	23.01	23±1	24	251.189	3.14	2.06	0.1030	1
4	1710.7	22.87	23±1	24	251.189	3.39	2.18	0.1091	1
5	848.3	23.02	23±1	24	251.189	1.87	1.54	0.0769	0.57
12	707.5	22.99	23±1	24	251.189	1.19	1.32	0.0657	0.47
13	782	22.79	23±1	24	251.189	1.21	1.32	0.0660	0.52
66	1745	23.05	23±1	24	251.189	3.39	2.18	0.1091	1

Conclusion:

For the max result: $0.1091 \leq 1g$ SAR, No SAR is required.

***** END OF REPORT *****