

TEST REPORT

Applicant Name : Shenzhen Jooan Technology Co., Ltd
Address : Building 101-3, 5 and 6, No.8, Guixiang Community Square Road, Guanlan Street, Longhua District, Shenzhen, China
Report Number : 2504T03014E-RF
FCC ID: 2BBQ4-G4Q3-U

Test Standard (s)

47 CFR §1.1307& §2.1091

Sample Description

Product Type: Smart Camera
Model No.: G4Q3-U
Trade Mark: N/A
Date Received: 2025-05-21
Report Date: 2025-07-02

Test Result:	The EUT complied with the standards above.
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Prepared and Checked By:



Roger Ling
EMC Engineer

Approved By:



Bob.Liao
EMC Engineer

Note: This report must not be used by the customer to claim product certification, approval, or endorsement by A2LA, or any agency of the Federal Government. The information marked “#” is provided by the applicant, the laboratory is not responsible for its authenticity and this information can affect the validity of the result in the test report. Customer model name, addresses, names, trademarks etc. are included but no need marked.
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Shenzhen Accurate Technology Co., Ltd.

Floor 1, KuMaKe Building, Dongzhou Community, Guangming Street, Guangming District, Shenzhen, Guangdong, China.

Tel: +86 755-26503290

Web: www.atc-lab.com

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DOCUMENT REVISION HISTORY

Revision Number	Report Number	Description of Revision	Date of Revision
Rev.00	2504T03014E-RF	Original Report	2025-07-02

GENERAL INFORMATION

Product Description for Equipment under Test (EUT)

Product	Smart Camera
Tested Model	G4Q3-U
Voltage Range [#]	DC 3.7V from battery or DC 5V from adapter or solar panel
Adapter Information [#]	MODEL: MY-051500A1UN INPUT: 100-240V~50/60Hz 0.35A Max OUTPUT: 5V == 1.5A

Radio	LTE Cat 1
Frequency Range	LTE Band 2: 1850-1910MHz(TX); 1930-1990MHz(RX)
Antenna Specification [#]	Internal Antenna, 2.26dBi (It is provided by the applicant)
Sample Serial Number	33AI-2 (RF Conducted Test) (Assigned by ATC, Shenzhen)
Sample/EUT Status	Good condition

Objective

This test report is in accordance with Part 1-Subpart I and Part 2-Subpart J, Radiofrequency Radiation Exposure of the Federal Communication Commission rules.

The tests were performed in order to determine compliance with §1.1307 & §2.1091 rules.

Test Facility

The test site used by Shenzhen Accurate Technology Co., Ltd. to collect test data is located on the Floor 1, KuMaKe Building, Dongzhou Community, Guangming Street, Guangming District, Shenzhen, Guangdong, China.

Accredited by American Association for Laboratory Accreditation (A2LA). The Certificate Number is 4297.01.

MAXIMUM PERMISSIBLE EXPOSURE (MPE)

Applicable Standard

According to subpart 2.1091 systems operating under the provisions of this section shall be operated in a manner that ensures the public is not exposed to RF energy level in excess of the communication guidelines.

Limits for General Population/Uncontrolled Exposure

Limits for General Population/Uncontrolled Exposure				
Frequency Range (MHz)	Electric Field Strength (V/m)	Magnetic Field Strength (A/m)	Power Density (mW/cm ²)	Averaging Time (Minutes)
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

* = Plane-wave equivalent power density

Result

Calculated Formulary:

Predication of MPE limit at a given distance

$$S = \frac{PG}{4\pi R^2}$$

S = power density (in appropriate units, e.g. mW/cm²)

P = power input to the antenna (in appropriate units, e.g., mW).

G = power gain of the antenna in the direction of interest relative to an isotropic radiator, the power gain factor, is normally numeric gain.

R = distance to the center of radiation of the antenna (appropriate units, e.g., cm)

Test result

For worst case:

Band	Frequency Range (MHz)	Maximum Conducted Output Power (dBm)	Tune-Up Conducted Output Power [#] (dBm)	Antenna Gain [#]		Evaluation Distance (cm)	Power Density (mW/cm ²)	MPE-Based Exemption (mW)
				(dBi)	(numeric)			
LTE B2	1850-1910	24.11	24.6	2.26	1.68	20	0.097	1.0

Note 1: The maximum conducted output power quotes from the RF report: 2504T03014E-RF-00A.

Note 2: The tune-up power and antenna gain are declared by the applicant.

To maintain compliance with the FCC's RF exposure guidelines, place the equipment at least 20cm from nearby persons.

Result: Compliance.

EXHIBIT A-EUT PHOTOGRAPHS

Please refer to the Annex: 2504T03014E-RF EUT EXTERNAL PHOTOGRAPHS and 2504T03014E-RF EUT INTERNAL PHOTOGRAPHS.

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