RF Exposure evaluation report

Applicant:	Guangzhou Juan Intelligent Tech Joint Stock Co.,Ltd
Address of Applicant:	No.2 Plant ,West of Shanxi country , Dashi street, Panyu District, Guangzhou City, China
Manufacturer:	Guangzhou Juan Intelligent Tech Joint Stock Co.,Ltd
Address of Manufacturer:	No.2 Plant ,West of Shanxi country , Dashi street, Panyu District, Guangzhou City, China
Product name:	Battery camera
Model:	See page 2
Rating(s):	DC 5V
Trademark:	/
Standards:	47 CFR Part 1.1310 (2013) 47 CFR Part 2.1091 (2013) KDB447498D01 General RF Exposure Guidance v06
FCC ID:	2APRB-BA12-H
Date of Receipt:	2019-10-30
Date of Test:	2019-10-30~2019-11-18
Date of Issue:	2019-11-18
Test Result	**Pass***

* In the configuration tested, the test item complied with the standards specified above.

Authorized for issue by:

Test by:			***Reviewed by:***		
Nov 18, 2019	Eleven Liang Project Engineer	Eleven Liang	Nov 18, 2019	Pauler Li Project Manager	Pauler Li
Date	*Name/Position*	*Signature*	*Date*	*Name/Position*	*Signature*

Possible test case verdicts:

test case does not apply to the test object ..:	N/A
test object does meet the requirement .....:	P (Pass)
test object does not meet the requirement ..:	F (Fail)

Testing Laboratory information:

Testing Laboratory Name ..... :		ITL Co., Ltd
Address ..... :		No. 8, Jinqianling Street 5, Huangjiang Town, Dongguan, Guangdong, China.
Testing location	:	Same as above
Tel	:	0086-769-39001678
Fax	:	0086-20-62824387
E-mail	:	itl@i-testlab.com

General remarks:

The test results presented in this report relate only to the object tested.

The results contained in this report reflect the results for this particular model and serial number. It is the responsibility of the manufacturer to ensure that all production models meet the intent of the requirements detailed within this report.

This report would be invalid test report without all the signatures of testing technician and approver.

This report shall not be reproduced, except in full, without the written approval of the Issuing testing laboratory.

General product information:

There's an AC Adapter that charges the battery.

The models BC12-H, BD12-H, BE12-H, BF12-H, BP22-H, BM22-H, BQ22-H, BR22-H, BA05-H, BA06-H, BA07-H, BA08-H, HMB1, HMC1, G188HX-WBS2-4MM, G188JZ-WBS2-4MM-4G, DTS300T-WHS2-4G-4MM, DTS300T-WHS2-4G-6MM, DTS300T-WHS2-4MM, DTS300T-WHS2-6MM, DS-200S, Q7H, Q9H, Q9H-P1, Q8H, Q2H, SMUS-B4210-JA, SMUS-B4410-JA, OSX-DC1080, OH-DC1080, WL-DC1080, AR-BA12-H*1, A4, F1-J200, Q1-J200, XF-DC30, XF-DC31, XF-DC32, XF-DC33, XF-DC34, XF-DC35, XF-DC36, XF-DC37, XF-DC38, XF-DC39, XF-DC40, MNL030, HD20L24JA-WIFI, HD20L25JA-WIFI, HD20L14JA-WIF, HD20L15JA-WIFI, HD20L34JA-WIFI, HD20L35JA-WIFI, HD50L24JA-WIFI, HD50L25JA-WIFI, HD50L14JA-WIFI, HD50L15JA-WIFI, HD50L34JA-WIFI, HD50L35JA-WIFI, C2027BN2M-W, C1800BN2-S, C1800BN4-S, C1801BN4-S, C1810BN2M, L2019B, BC3, TJ-ID6008PF-WF20J, TJ-KW7734AA-WF20J, TJ-ID6008PF-XXXXX, TJ-KW7734AA-XXXXX and BA12-H are identical to each other except for model names.

All tests were performed on the model BA12-H as representative.

1 Contents

2 General Information

2.1 Client Information

Applicant:	Guangzhou Juan Intelligent Tech Joint Stock Co.,Ltd
Address of Applicant:	No.2 Plant ,West of Shanxi country , Dashi street, Panyu District, Guangzhou City, China

2.2 General Description of E.U.T.

Name:	Battery camera
Model No.:	BA12-H
Trade Mark:	/
Operating Frequency:	802.11 b/g/n(HT20): 2412MHz-2462MHz
Channels:	802.11b, 802.11g, 802.11n(20MHz): 11 802.11n(40MHz): 7
Type of Modulation:	CCK, OFDM, QPSK, BPSK
Antenna Reference	FPC antenna with 2 dBi peak Gain
Function:	Battery camera

2.3 Details of E.U.T.

EUT Power Supply: DC 5V

Test mode for WIFI: The EUT was operated in the engineering mode to fix the Tx frequency that was for the purpose of the measurements. All testing shall be performed under maximum output power condition, and to measure its highest possible emissions level, more detailed description as follows:

Test Mode List		
Test Mode	Description	Remark
TM1	802.11b	2412MHz, 2437MHz, 2462MHz,
TM2	802.11g	2412MHz, 2437MHz, 2462MHz,
TM3	802.11n(HT20)	2412MHz, 2437MHz, 2462MHz,
TM4	802.11n(40MHz)	2422MHz, 2437MHz, 2452MHz,

2.4 Description of Support Units

The EUT has been tested as an independent unit for fixed frequency by testing lab.

2.5 Test Location

All tests were performed at:

ITL Co., Ltd
No. 8, Jinqianling Street 5, Huangjiang Town, Dongguan, Guangdong, China.
0086-769-39001678
itl@i-testlab.com

No tests were sub-contracted.

2.6 Deviation from Standards

Biconical and log periodic antennas were used instead of dipole antennas.

2.7 Abnormalities from Standard Conditions

None.

2.8 Other Information Requested by the Customer

None.

2.9 Test Facility

The test facility is recognized, certified, or accredited by the following organizations:

- **CNAS(Lab code:L9342)**
- **FCC (Registration No.: 239076)**
- **IC (Registration NO.:CN0025)**

3 RF Exposure Evaluation

3.1 RF Exposure Compliance Requirement

3.1.1 Standard Requirement

According to KDB447498D01 General RF Exposure Guidance v06 and FCC 1.1310 Radiofrequency radiation exposure limits for General Population/Uncontrolled Exposure.

3.1.2 EUT RF Exposure

The Max Output Power is 21.06 dBm in 802.11b Middle channel (2. 437GHz);

Antenna gain: 2dBi

R=20cm

$S=PG/(4\pi R^2)=0.04\ mW/cm^2<1(limits)mW/cm^2$