RF Exposure Evaluation Report

Product	:	stabilized camera
Trade mark	:	FeiyuTech
Model/Type reference	:	Feiyu pocket, Gimbal pocket
Serial Number	:	N/A
Report Number	:	EED32L00387302
FCC ID	:	2AHW7-FEIYUPOCKET
Date of Issue	:	Mar. 20, 2020
Test Standards	:	47 CFR Part 1.1307
		47 CFR Part 2.1093
		KDB447498D01 General RF Exposure Guidance v06
Test result	:	PASS

Prepared for:

Guilin Feiyu Technology Incorporated Company
3rd Floor, Building B, Guilin Electric Valley, Innovation Building,
Information Industry Park , Chaoyang Road,
Qixing District, Guilin, China

Prepared by:

Centre Testing International Group Co., Ltd.
Hongwei Industrial Zone, Bao'an 70 District,
Shenzhen, Guangdong, China
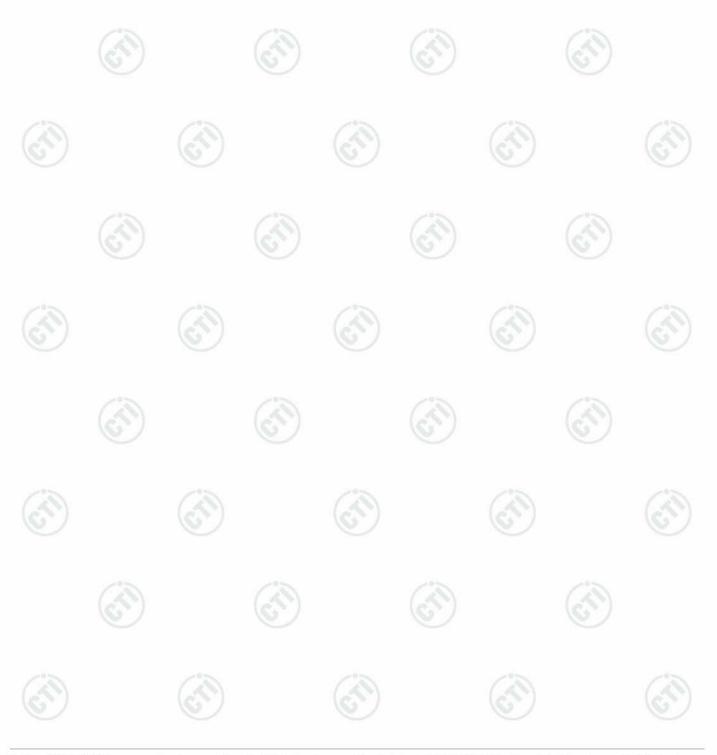**TEL: +86-755-3368 3668**
FAX: +86-755-3368 3385

Tested By:	_mark. chen._	Compiled by:	_Smile Zhong_
	Mark Chen		Smile Zhong
Reviewed by:	_Ware Xin_	Approved by:	_Sam Chuang_
	Ware Xin		Sam Chuang
Date:	Mar. 20, 2020		Check No.: 3096393571

2 Version

Version No.	Date	Description
00	Mar. 20, 2020	Original

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4   General Information

4.1 Client Information

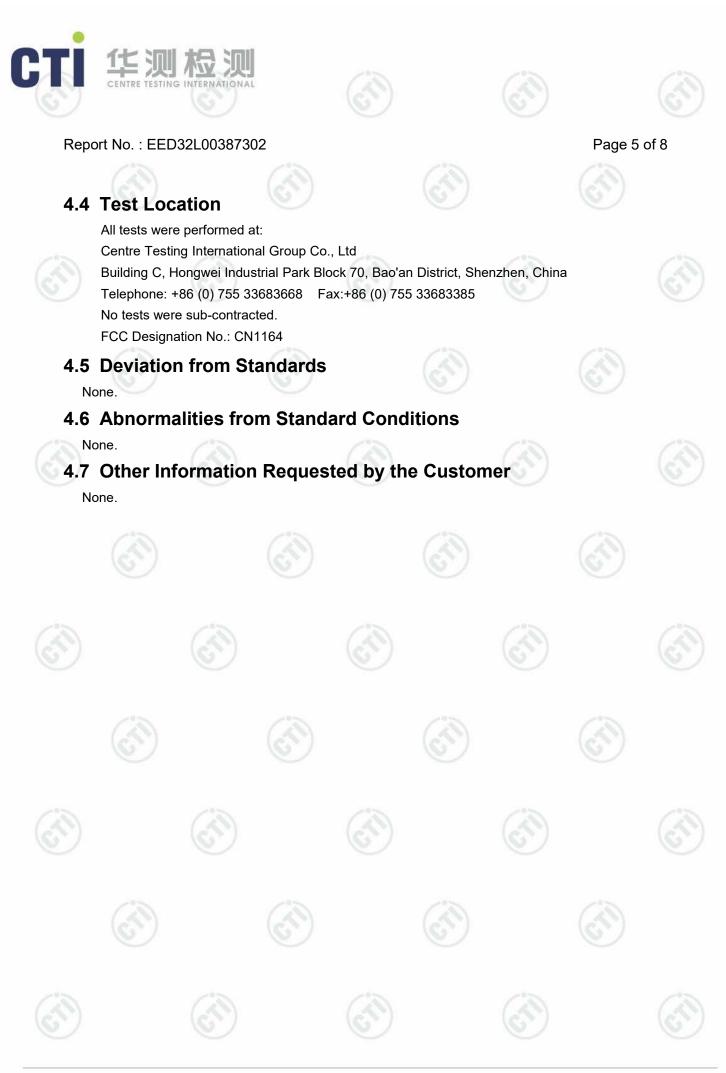|	
Applicant:	Guilin Feiyu Technology Incorporated Company
Address of Applicant:	3rd Floor, Building B, Guilin Electric Valley, Innovation Building, Information Industry Park , Chaoyang Road, Qixing District, Guilin, China
Manufacturer:	Guilin Feiyu Technology Incorporated Company
Address of Manufacturer:	3rd Floor, Building B, Guilin Electric Valley, Innovation Building, Information Industry Park , Chaoyang Road, Qixing District, Guilin, China
Factory:	Guilin Feiyu Technology Incorporated Company
Address of Factory:	3rd Floor, Building B, Guilin Electric Valley, Innovation Building, Information Industry Park , Chaoyang Road, Qixing District, Guilin, China

4.2 General Description of EUT

Product Name:	stabilized camera
Model No.(EUT):	Feiyu pocket, Gimbal pocket
Test Model No.:	Feiyu pocket
Trade Mark:	FeiyuTech
EUT Supports Radios application:	IEEE 802.11 b/g/n(HT20)(HT40): 2412MHz to 2462MHz

4.3   Product Specification subjective to this standard

Frequency Range:	IEEE 802.11b/g/n(HT20): 2412MHz to 2462MHz
	IEEE 802.11n(HT40): 2422MHz to 2452MHz
Modulation Type:	IEEE for 802.11b: DSSS(CCK,DQPSK,DBPSK) IEEE for 802.11g :OFDM(64QAM, 16QAM, QPSK, BPSK)
	IEEE for 802.11n(HT20 and HT40) : OFDM (64QAM, 16QAM, QPSK, BPSK)
Test Power Grade:	Reference Table
Test Software of EUT:	Putty
Antenna Type:	PIFA antenna
Antenna Gain:	2 dBi
Power Supply:	Battery :7.7V,875mAh
Max Conducted Peak Output Power:	8.83dBm
	The Max Conducted Peak Output Power data refer to the report EED32L00387301
Sample Received Date:	Dec. 23, 2019
Sample tested Date:	Dec. 23, 2019 to Jan. 13, 2020
The tested sample(s) and the sample information are provided by the client. Model No.: Feiyu pocket, Gimbal pocket Only the model Feiyu pocket was tested, since the electrical circuit design, layout, components used and internal wiring were identical for the above models, with difference model name.	

4.4 Test Location

All tests were performed at:

Centre Testing International Group Co., Ltd

Building C, Hongwei Industrial Park Block 70, Bao'an District, Shenzhen, China

Telephone: +86 (0) 755 33683668   Fax:+86 (0) 755 33683385

No tests were sub-contracted.

FCC Designation No.: CN1164

4.5 Deviation from Standards

None.

4.6 Abnormalities from Standard Conditions

None.

4.7 Other Information Requested by the Customer

None.

5   SAR Evaluation

5.1 RF Exposure Compliance Requirement

5.1.1 Standard Requirement

According to KDB447498D01 General RF Exposure Guidance v06

Standalone SAR test exclusion considerations

Unless specifically required by the published RF exposure KDB procedures, standalone 1-g head or body and 10-g extremity SAR evaluation for general population exposure conditions, by measurement or numerical simulation, is not required when the corresponding SAR Exclusion Threshold condition, listed below, is satisfied.

5.1.2 Limits

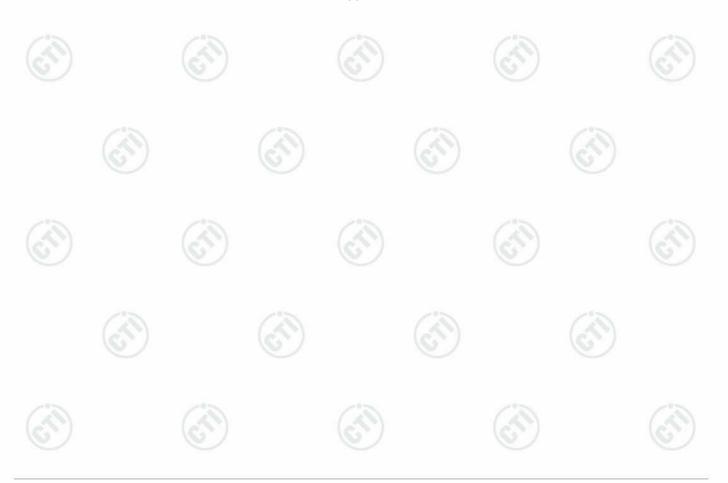The 1-g and 10-g SAR test exclusion thresholds for 100 MHz to 6 GHz at test separation distances ≤ 50 mm are determined by:
[(max. power of channel, including tune-up tolerance, mW)/(min. test separation distance, mm)] · [√f(GHz)] ≤ 3.0 for 1-g SAR and ≤ 7.5 for 10-g extremity SAR, where
　　f(GHz) is the RF channel transmit frequency in GHz
　　Power and distance are rounded to the nearest mW and mm before calculation[17]
　　The result is rounded to one decimal place for comparison
The test exclusions are applicable only when the minimum test separation distance is ≤ 50 mm and for transmission frequencies between 100 MHz and 6 GHz. When the minimum test separation distance is < 5 mm, a distance of 5 mm is applied to determine SAR test exclusion

5.1.3 EUT RF Exposure

The tune-up power is 8 dBm +1 /- 2dB, therefore the highest tune-up power is

| 9.0 dBm | (7.94 mW) | @ 2437 MHz | |

When the minimum test separation distance is < 5 mm, a distance of 5 mm according to 5) in section 4.1 is applied to determine SAR test exclusion.

So,

| (7.94mW | / | 5mm) | * (| 2.437GHz | ^0.5 |)= | 2.5 |

[(max. power of channel, including tune-up tolerance, mW) / (min. test separation distance, mm)] * [√f(GHz)] = 2.5 < 3.0

Therefore, standalone SAR measurements are not required for both head and body

PHOTOGRAPHS OF EUT Constructional Details

Refer to Report No. EED32L00387301 for EUT external and internal photos.

*** End of Report ***