

RF Exposure Evaluation Report

Product : TRAIL CAMERAS
Trade mark : STRIKE FORCE WIRELESS
Model/Type reference : SFW-SFW1-SP
Serial Number : N/A
Report Number : EED32Q82106801
FCC ID : 2ALGTSFW-SFW1-SP
Date of Issue : Jan. 07, 2025
Test Standards : 47 CFR Part 1.1307
47 CFR Part 1.1310
47 CFR Part 2.1091(mobile devices)
47 CFR Part 2.1093(portable devices)
KDB 447498 D04 Interim General RF
Exposure Guidance v01
Test result : PASS

Prepared for:

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Prepared by:

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1 Version

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2 Contents

	Page
1 VERSION	2
2 CONTENTS	3
3 GENERAL INFORMATION	4
3.1 CLIENT INFORMATION	4
3.2 GENERAL DESCRIPTION OF EUT	4
3.3 TEST LOCATION	5
3.4 DEVIATION FROM STANDARDS	5
3.5 ABNORMALITIES FROM STANDARD CONDITIONS	5
3.6 OTHER INFORMATION REQUESTED BY THE CUSTOMER	5
4 SAR EVALUATION	6
4.1 RF EXPOSURE COMPLIANCE REQUIREMENT	6
4.1.1 Limits	6
4.1.2 Test Procedure	6
4.1.3 EUT RF Exposure Evaluation	7

3 General Information

3.1 Client Information

Applicant:	Prometheus Group LLC
Address of Applicant:	2 Perimeter Park S, suite 305E, Birmingham, Alabama 35243 USA
Manufacturer:	Hooray Innovation Limited
Address of Manufacturer:	Flat 1, 4/F, Wah Wai Centre, 38-42 Au Pui Wan Street, Fotan, Shatin, Hong Kong
Factory:	Hooray Innovation Limited
Address of Factory:	Flat 1, 4/F, Wah Wai Centre, 38-42 Au Pui Wan Street, Fotan, Shatin, Hong Kong

3.2 General Description of EUT

Product Name:	TRAIL CAMERAS	
Model No.:	SFW-SFW1-SP	
Trade Mark:	STRIKE FORCE WIRELESS	
Product Type:	☐ Mobile ☐ Portable ☒ Fix Location	
Frequency Band:	LTE Cat 1bits Band 2:UL:1850-1910MHz,DL:1930-1990MHz; LTE Cat 1bits Band 4:UL:1710-1755MHz,DL:2110-2155MHz; LTE Cat 1bits Band 5:UL:824-849MHz,DL: 869-894MHz; LTE Cat 1bits Band 12:UL:699-716MHz,DL:729-746MHz; LTE Cat 1bits Band 13:UL:777-787MHz,DL:746-756MHz; LTE Cat 1bits Band 14:UL:788-798MHz,DL:758-768MHz; LTE Cat 1bits Band 17:UL:704-716MHz,DL:734-746MHz; LTE Cat 1bits Band 25:UL:1850-1915MHz,DL:1930-1995MHz; LTE Cat 1bits Band 66:UL:1710-1780MHz,DL:2110-2200MHz;	
Modulation Type:	QPSK,16QAM	
Antenna Type:	Dipole antenna	
Antenna Gain:	LTE Cat 1bits Band 2: 2.2dBi; LTE Cat 1bits Band 4: 2.2dBi; LTE Cat 1bits Band 5: 6.1dBi; LTE Cat 1bits Band 12: 6.1dBi; LTE Cat 1bits Band 13: 6.1dBi; LTE Cat 1bits Band 14: 6.1dBi; LTE Cat 1bits Band 17: 6.1dBi; LTE Cat 1bits Band 25: 2.2dBi; LTE Cat 1bits Band 66: 2.2dBi;	
Power Supply:	Adapter:	Model:KPH-040012 Input:100-240V~50/60Hz,1.5A Output:12.0V,3.33A
	Battery:	DC 3.7V,2600mAh,9.62Wh
Sample Received Date:	Dec. 18, 2024	
Sample tested Date:	Dec. 24, 2024 to Dec. 25, 2024	
Remark: Company Name and Address shown on Report, the sample(s) and sample Information was/ were provided by the applicant who should be responsible for the authenticity which CTI hasn't verified.		

3.3 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

3.4 Deviation from Standards

None.

3.5 Abnormalities from Standard Conditions

None.

3.6 Other Information Requested by the Customer

None.

4 SAR Evaluation

4.1 RF Exposure Compliance Requirement

4.1.1 Limits

The SAR-based exemption formula of § 1.1307(b)(3)(i)(B), repeated here as Formula (B.2), applies for single fixed, mobile, and portable RF sources with available maximum time-averaged power or effective radiated power (ERP), whichever is greater, of less than or equal to the threshold P_{th} (mW).

This method shall only be used at separation distances from 0.5 cm to 40 cm and at frequencies from 0.3 GHz to 6 GHz (inclusive). P_{th} is given by Formula

$$P_{th} \text{ (mW)} = \begin{cases} ERP_{20 \text{ cm}} (d/20 \text{ cm})^x & d \leq 20 \text{ cm} \\ ERP_{20 \text{ cm}} & 20 \text{ cm} < d \leq 40 \text{ cm} \end{cases}$$

where

$$x = -\log_{10} \left(\frac{60}{ERP_{20 \text{ cm}} \sqrt{f}} \right)$$

and f is in GHz, d is the separation distance (cm), and $ERP_{20 \text{ cm}}$ is per Formula (B.1).

$$P_{th} \text{ (mW)} = ERP_{20 \text{ cm}} \text{ (mW)} = \begin{cases} 2040f & 0.3 \text{ GHz} \leq f < 1.5 \text{ GHz} \\ 3060 & 1.5 \text{ GHz} \leq f \leq 6 \text{ GHz} \end{cases} \quad (\text{B.1})$$

The 1 mW Blanket Exemption of § 1.1307(b)(3)(i)(A) applies for single fixed, mobile, and portable RF sources with available maximum time-averaged power of no more than 1 mW, regardless of separation distance.

4.1.2 Test Procedure

Software provided by client enabled the EUT to transmit and receive data at lowest, middle and highest channel individually.

4.1.3 EUT RF Exposure Evaluation

For Stand alone:

Frequency (MHz)	Estimation distance (cm)	Max. Conducted Output power (dBm)	Antenna Gain (dBi)	ERP (dBm)	ERP (mW)	Limit (mW)	Result
711	20	24	6.1	27.95	623.7348	1450.44	Pass

Note:

- ① EIRP=conducted power+antenna gain;
- ② $ERP=EIRP-2.15$;
- ③ $EIRP(dBm) = \text{Field strength of the fundamental signal}(dBuV/m@3m) - 95.23$;
- ④ $ERP(mW) = 10^{(ERP(dBm)/10)}$;
- ⑤ The estimation distance is 20cm;
- ⑥ The test data please refer to the report of EED32Q82106801 and only the worst case data was recorded in the report.

声明

Statement

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The result(s) shown in this report refer(s) only to the sample(s) tested;

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Unless otherwise stated, the decision rule for conformity reporting is based on Binary Statement for Simple Acceptance Rule stated in ILAC-G8:09/2019/CNAS-GL015:2022;

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*** 报告结束 ***

*** End of Report ***