

JianYan Testing Group Shenzhen Co., Ltd.

Report No: JYTSZB-R12-2101782

RF Exposure Evaluation Report

Applicant: Eluktronics Inc

Address of Applicant: 861 Newtown Yardley Road Newtown, Pennsylvania, USA

18940

Equipment Under Test (EUT)

Product Name: Wireless eSports Gaming Mouse

Model No.: Covert Varmint

FCC ID: 2A3CGCOVERTVARMI

Applicable standards: FCC CFR Title 47 Part 2 Subpart J Section 2.1093

Date of sample receipt: 31 Aug., 2021

Date of Test: 31 Aug., to 16 Sep., 2021

Date of report issue: 17 Sep., 2021

Test Result: PASS*

Authorized Signature:



Bruce Zhang Laboratory Manager

This report details the results of the testing carried out on one sample. The results contained in this test report do not relate to other samples of the same product and does not permit the use of the JYT product certification mark. The manufacturer should ensure that all products in series production are in conformity with the product sample detailed in this report.

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Version

Version No.	Date	Description
00	17 Sep., 2021	Original

Tested by:

Test Engineer

Reviewed by:

Project Engineer **Date:** 17 Sep., 2021

Date: 17 Sep., 2021

Project No.: JYTSZE2108130





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4 General Information

4.1 Client Information

Applicant:	Eluktronics Inc	
Address:	861 Newtown Yardley Road Newtown, Pennsylvania, USA 18940	
Manufacturer:	Eluktronics Inc	
Address:	861 Newtown Yardley Road Newtown, Pennsylvania, USA 18940	

4.2 General Description of E.U.T.

Product Name:	Wireless eSports Gaming Mouse	
Model No.:	Covert Varmint	
Operation Frequency:	2402MHz~2480MHz	
Modulation technology:	GFSK	
Antenna Type:	PCB Antenna	
Antenna gain:	-1dBi (Max.)	
Test Sample Condition:	The test samples were provided in good working order with no visible defects.	

4.3 Operating Modes

Ī	Operating mode	Detail description
	2.4G mode	Keep the EUT in continuously transmitting in 2.4G mode

4.4 Additions to, deviations, or exclusions from the method

No

4.5 Laboratory Facility

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

• FCC - Designation No.: CN1211

JianYan Testing Group Shenzhen Co., Ltd. has been accredited as a testing laboratory by FCC(Federal Communications Commission). The test firm Registration No. is 727551.

• ISED - CAB identifier.: CN0021

The 3m Semi-anechoic chamber of JianYan Testing Group Shenzhen Co., Ltd. has been Registered by Certification and Engineering Bureau of Industry Canada for radio equipment testing with Registration No.: 10106A-1.

A2LA - Registration No.: 4346.01

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2017 General requirements for the competence of testing and calibration laboratories. The test scope can be found as below link: https://portal.a2la.org/scopepdf/4346-01.pdf

4.6 Laboratory Location

JianYan Testing Group Shenzhen Co., Ltd.

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5 Technical Requirements Specification in FCC CFR Title 47 Part 2.1093

5.1 Limits

According to 447498 D01 General RF Exposure Guidance v06 Mobile and Portable Devices RF Exposure Procedures and Equipment Authorization Policies.

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)] $\cdot [\sqrt{f(GHz)}] \le 3.0$ 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
- The result is rounded to one decimal place for comparison

5.2 Result

Worse case for 2.4G as below: [2480MHz: -2.321 dBm (0.59 mW) output power] (0.59 mW /5mm) •[√2.480(GHz)]=0.186 <3.0 for 1-g SAR

5.3 Conclusion

The device is exempt from the SAR test and satisfies RF exposure evaluation.

-----End of report-----

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