

# RF Exposure Evaluation Report

**Product** : NAVIGATION MULTIMEDIA RECEIVER  
**Trade mark** : Stinger  
**Model/Type reference** : iE268, iE268-C, iE268-SR, iE268E  
**Serial Number** : N/A  
**Report Number** : EED32Q81282705  
**FCC ID** : XBD-IE268  
**Date of Issue** : Oct. 18, 2024  
**Test Standards** : 47 CFR Part 1.1307  
47 CFR Part 1.1310  
47 CFR Part 2.1091  
47 CFR Part 2.1093  
KDB 447498 D04 Interim General RF  
Exposure Guidance v01  
**Test result** : PASS

Prepared for:

**AAMP of Florida, Inc. dba AAMP Global**  
**15500 Lightwave Drive, Suite 202 Clearwater, FL 33760**

Prepared by:

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Date:

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## 1 Version

Version No.	Date	Description
00	Oct. 18, 2024	Original

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### 3 General Information

#### 3.1 Client Information

Applicant:	AAMP of Florida, Inc. dba AAMP Global
Address of Applicant:	15500 Lightwave Drive, Suite 202 Clearwater, FL 33760
Manufacturer:	Skypine Electronics (ShenZhen)Co., Ltd.
Address of Manufacturer:	3rd Floor of Building B, Jingang Technology Park, Qiaotou Village, Fuhai Sub-District, Baoan, Shenzhen, China
Factory:	Unistrong Intelligence Manufacturing (Henan) Technology Co., Ltd.
Address of Factory:	Building No.33, Building No.31, Zone A, Intelligent Terminal (Mobile Phone) Industrial Park, Intersection of Hua Xia Avenue and Renmin Road, Zhengzhou Airport Economy Zone Zhengzhou City, Henan Province, P. R. China Post Code: 451163

#### 3.2 General Description of EUT

Product Name:	NAVIGATION MULTIMEDIA RECEIVER
Model No.:	iE268, iE268-C, iE268-SR, iE268E
Test Model No.:	iE268
Trade mark:	Stinger

#### 3.3 Product Specification subjective to this standard

Frequency Range:	BLE/BT: 2402MHz~2480MHz 2.4G Wi-Fi: IEEE 802.11b/g/n(HT20): 2412MHz to 2462MHz IEEE 802.11n(HT40): 2422MHz to 2452MHz 5G Wi-Fi: U-NII-1: 5150-5250MHz, U-NII-3:5745-5825MHz
Modulation Type:	BLE: GFSK BT: GFSK, $\pi/4$ DQPSK, 8DPSK 2.4G Wi-Fi: 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) 5G Wi-Fi: IEEE 802.11a: OFDM (BPSK, QPSK, 16QAM, 64QAM) IEEE 802.11n(HT20/HT40): OFDM (BPSK, QPSK, 16QAM, 64QAM) IEEE 802.11ac(VHT20/VHT40/VHT80): OFDM (BPSK, QPSK, 16QAM, 64QAM, 256QAM)
Test Power Grade:	Default
Test Software of EUT:	MobaXterm_Personal_22.1.exe
Antenna Type:	PCB Antenna
Antenna Gain:	BLE/BT: -2.45dBi 2.4G Wi-Fi: -2.45dBi 5G Wi-Fi U-NII-1: -8.38dBi U-NII-3: -2.75dBi
Power Supply:	DC 12V
Sample Received Date:	Sep. 06, 2024
Sample tested Date:	Sep. 06, 2024 to Sep. 26, 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.

### 3.4 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

### 3.5 Deviation from Standards

None.

### 3.6 Abnormalities from Standard Conditions

None.

### 3.7 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)	MPE ratio	Result
@BLE	20	1.76	-2.45	-2.84	0.5200	3060	0.0002	Pass
@BT	20	8.74	-2.45	4.14	2.5941	3060	0.0008	Pass
@2.4G	20	13.62	-2.45	9.02	7.9799	3060	0.0026	Pass
@5.1G	20	11.77	-8.38	1.23	1.3305	3060	0.0004	Pass
@5.8G	20	11.49	-2.75	6.59	4.5604	3060	0.0015	Pass

**Note:**

- ① EIRP=conducted power+antenna gain;
- ② ERP=EIRP-2.15;
- ③ EIRP(dBm) = Field strength of the fundamental signal(dBuV/m@3m) – 95.23;
- ④ ERP(mW) = 10<sup>(ERP (dBm)/10)</sup>;
- ⑤ The estimation distance is 20cm ;
- ⑥ The test data please refer to the report of EED32Q81282701, EED32Q81282702, EED32Q81282703, EED32Q81282704 and only the worst case data was recorded in the report.

**For Simultaneous Transmission:**

As MPE ratio (BT+2.4G Wi-Fi+5G Wi-Fi)=0.0008+0.0026+0.0015=0.0049 < 1, it's deemed to fulfil the RF exposure requirement.

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\*\*\* End of Report \*\*\*