

RF Exposure Evaluation Report

Product : Intelligent Sports Robot
Trade mark : TENNIIX
Model/Type reference : TNX-01,TNP-01,TXO-01
Serial Number : N/A
Report Number : EED32S81140302
FCC ID : 2BS62-TNM0001
Date of Issue : Jun. 11, 2026
Test Standards : 47 CFR Part 1.1307
47 CFR Part 1.1310
47 CFR Part 2.1091
KDB 447498 D04 Interim General RF
Exposure Guidance v01
Test result : PASS

Prepared for:

Shenzhen Enhanced Power Technology Co., Ltd.
No. 301, Plant 11, Industrial zone 228, Silian community,
Henggang street, Longgang District, Shenzhen

Prepared by:

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Jun. 11, 2026

Check No.: 2233220526

Modification Record

Version No.	Last Report No.	Modification Description
00	EED32R81736203	First report
01	EED32S81140302	Update the Product name and Model No.
Note: This testing report displaces the original report of No. EED32R81736203, and the original one NO.EED32R81736203 was invalid since the date of this testing report released.		

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2 General Information

2.1 Client Information

Applicant:	Shenzhen Enhanced Power Technology Co., Ltd.
Address of Applicant:	No. 301, Plant 11, Industrial zone 228, Silian community, Henggang street, Longgang District, Shenzhen
Manufacturer:	Shenzhen Enhanced Power Technology Co., Ltd.
Address of Manufacturer:	No. 301, Plant 11, Industrial zone 228, Silian community, Henggang street, Longgang District, Shenzhen
Factory:	Guangdong Enok Communication Co.,Ltd.
Address of Factory:	No.62,Lxiang Road,Dalang Town,Dongguan City,Guangdong

2.2 General Description of EUT

Product Name:	Intelligent Sports Robot
Model No.(EUT):	TNX-01,TNP-01,TXO-01
Test Model No.:	TNX-01
Model difference:	They have same circuitry, components, PCB and layout, only the model's name are different for marketing requirements.
Trade Mark:	TENNIIX

2.3 Product Specification subjective to this standard

Frequency Range:	BLE: 2402MHz~2480MHz	
Modulation Type:	BLE: GFSK	
Test Power Grade:	Default	
Test Software of EUT:	bgtool.exe	
Antenna Type:	BLE: PCB Antenna	
Antenna Gain:	BLE: 4.79dBi	
Power Supply:	Battery:	DC 21.9V
Sample Received Date:	Oct. 25, 2025	
Sample tested Date:	Oct. 25, 2025 to Nov. 18, 2025	

2.4 Test Location

All tests were performed at:

Centre Testing International Group Co., Ltd

Hongwei Industrial Park, Zone 70, Bao'an District, Shenzhen, Guangdong, China

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

No tests were sub-contracted.

FCC Designation No.: CN1164, Test Firm Registration No.: 260439

2.5 Deviation from Standards

None.

2.6 Abnormalities from Standard Conditions

None.

2.7 Other Information Requested by the Customer

None.

3 SAR Evaluation

3.1 RF Exposure Compliance Requirement

3.1.1 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 Pth (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). Pth 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 ERP20cm 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.

3.1.2 Test Procedure

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

3.1.3 EUT RF Exposure Evaluation**For Stand alone:**

Freq. (MHz)	Estimation distance (cm)	Max. Conducted Output power (dBm)	Antenna Gain (dBi)	ERP (dBm)	ERP (mW)	Limit (mW)	Result
@BLE	20	0.13	4.79	2.77	1.89	3060	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 EED32S81140301, only the worst case data was recorded in the report.

Statement

1. This report is considered invalid without approved signature, special seal and the seal on the perforation;
2. The Company Name shown on Report and Address, 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. The result(s) shown in this report refer(s) only to the sample(s) tested;
4. 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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*** End of Report ***