



中认信通

CHINA CERTIFICATION ICT CO., LTD (DONGGUAN)



RF EXPOSURE EVALUATION REPORT

Applicant: Shenzhen Lewa Sports Technology Co., Ltd.

Address: 16th Floor, Building A, Wanhe Science and Technology Building, Guangming District, Shenzhen, China

FCC ID: 2BVUQ-T1

Product Name: Tennis Ball Machine

Standard(s): 47 CFR §15.247(i)
47 CFR §1.1310
47 CFR §2.1091

The above equipment has been tested and found compliant with the requirement of the relative standards by China Certification ICT Co., Ltd (Dongguan)

Report Number: 2603R48928E-00

Date Of Issue: 2026/5/25

Reviewed By: Calvin Chen

Title: RF Test Supervisor

Reviewed By: Sun Zhong

Title: Manager

Test Laboratory: China Certification ICT Co., Ltd (Dongguan)

Room 101 & 201, Building 2, 256 Pingdong Road, Dalang Town, Dongguan City, Guangdong, China.

Tel: +86-769-83085888

www.ccttt.com.cn

Test Facility

The Test site used by China Certification ICT Co., Ltd (Dongguan) to collect test data is located on the Room 101 & 201, Building 2, 256 Pingdong Road, Dalang Town, Dongguan City, Guangdong, China.

The lab has been recognized as the FCC accredited lab under the KDB 974614 D01 and is listed in the FCC Public Access Link (PAL) database, FCC Registration No.: 442868, the FCC Designation No. : CN1314.

The lab has been recognized by Innovation, Science and Economic Development Canada to test to Canadian radio equipment requirements, the CAB identifier: CN0123.

Declarations

China Certification ICT Co., Ltd (Dongguan) is not responsible for the authenticity of any test data provided by the applicant. Data included from the applicant that may affect test results are marked with a triangle symbol “▲”. Customer model name, addresses, names, trademarks etc. are not considered data.

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.

This report cannot be reproduced except in full, without prior written approval of the Company.

This report is valid only with a valid digital signature. The digital signature may be available only under the Adobe software above version 7.0.

This report may contain data that are not covered by the accreditation scope and shall be marked with an asterisk “★”.

Each test item follows the test standard(s) without deviation.

CONTENTS

DOCUMENT REVISION HISTORY.....	4
1. GENERAL INFORMATION	5
1.1 PRODUCT DESCRIPTION FOR EQUIPMENT UNDER TEST (EUT)	5
1.2 ACCESSORY INFORMATION.....	5
2. RF EXPOSURE EVALUATION	6
2.1 RF EXPOSURE EVALUATION.....	6
2.1.1 Applicable Standard.....	6
2.1.2 Measurement Result.....	6

DOCUMENT REVISION HISTORY

Revision Number	Report Number	Description of Revision	Date of Revision
1.0	2603R48928E-00	Original Report	2026/5/25

1. GENERAL INFORMATION

1.1 Product Description for Equipment under Test (EUT)

EUT Name:	Tennis Ball Machine
EUT Model:	Novashot T1
Rated Input Voltage:	DC 29.6V from battery
EUT Received Date:	2026/3/26
EUT Received Status:	Good

1.2 Accessory Information

Accessory Description	Manufacturer	Model	Parameters
/	/	/	/

2. RF EXPOSURE EVALUATION

2.1 RF Exposure Evaluation

2.1.1 Applicable Standard

According to subpart §1.1310,15.247(i) systems operating under the provisions of this section shall be operated in a manner that ensures that the public is not exposed to radio frequency energy level in excess of the Commission's guidelines.

Limits for Maximum Permissible Exposure (MPE) (§1.1310, §2.1091)

(B) Limits for General Population/Uncontrolled Exposure				
Frequency Range (MHz)	Electric Field Strength (V/m)	Magnetic Field Strength (A/m)	Power Density (mW/cm ²)	Averaging Time (minutes)
0.3–1.34	614	1.63	*(100)	30
1.34–30	824/f	2.19/f	*(180/f ²)	30
30–300	27.5	0.073	0.2	30
300–1500	/	/	f/1500	30
1500–100,000	/	/	1.0	30

f = frequency in MHz; * = Plane-wave equivalent power density;

According to §1.1310 and §2.1091 RF exposure is calculated.

Calculation Formula:

Prediction of power density at the distance of the applicable MPE limit

$S = PG/4\pi R^2$ = power density (in appropriate units, e.g., mW/cm²);

P = power input to the antenna (in appropriate units, e.g., mW);

G = power gain of the antenna in the direction of interest relative to an isotropic radiator, the power gain factor, is normally numeric gain;

R = distance to the center of radiation of the antenna (appropriate units, e.g., cm);

2.1.2 Measurement Result

Mode	Frequency Range (MHz)	Antenna Gain		Conducted output power including Tune-up Tolerance		Evaluation Distance (cm)	Power Density (mW/cm ²)	MPE Limit (mW/cm ²)
		(dBi)	(numeric)	(dBm)	(mW)			
BLE	2402-2480	-0.58	0.875	-5.0	0.32	20	0.0001	1.00
Lora	916.2~916.8	-0.69	0.853	-18	0.02	20	0.00001	0.61

Note:

1. The Maximum Conducted Power including Tune-up Tolerance was declared by manufacturer.

2. for 916MHz SRD mode, the conducted power is calculated using the following formulas:

EIRP (dBm) = Fundamental field strength (dBμV/m) – 95.2

Conducted power = EIRP – Antenna gain (dBi)

The Maximum E-field is 76.22dBμV/m @3m; so, the maximum Conducted Output Power = -18.29dBm.

Simultaneous transmission:

BLE can transmit simultaneously with Lora:

$$\sum_i \frac{S_i}{S_{Limit,i}} \leq 1$$

$$S_{BLE}/S_{limit-BLE} + S_{Lora}/S_{limit-Lora}$$

$$= 0.0001/1.0 + 0.00001/0.61$$

$$= 0.00006$$

$$< 1.0$$

Result: The device meets FCC MPE at 20 cm distance

===== END OF REPORT =====