



# RF EXPOSURE REPORT

Applicant	Innovative Technology Electronics, LLC
Address	3513 Brighton Blvd Suite 570, Denver, CO 80216, USA

Manufacturer or Supplier	Guangdong Leetac Electronics Technology Co., Ltd.
Address	No.15 Danli Road, South District, Zhongshan, Guangdong, China.
Product	Music Center with Bluetooth
Brand Name	Victrola, Innovative Technology
Model	VTA-245B
Additional Models & Model Difference	VTA-245B-ESP, VTA-245B-ESP-CAN, VTA-245B-FNT, VTA-245B-FNT-CAN, VTA-245B-FOT, VTA-245B-FOT-CAN, VTA-245B-FSG, (where "x" can be 0-9, A-Z, "-" or blank and means color code of unit), etc.; see item 1
Date of tests	Mar. 25, 2022 ~ Apr. 14, 2022

- ☒ FCC Part 2 (Section 2.1091)
- ☒ KDB 447498 D01
- ☒ IEEE C95.1

**CONCLUSION: The submitted sample was found to COMPLY with the test requirement**

Tested by Lucas Chen Project Engineer / EMC Department	Approved by Glyn He Assistant Manager / EMC Department
	
	Date: May 09, 2022

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## TABLE OF CONTENTS

RELEASE CONTROL RECORD .....	3
1. CERTIFICATION.....	4
2. RF EXPOSURE LIMIT .....	5
3. MPE CALCULATION FORMULA.....	5
4. CLASSIFICATION .....	5
5. ANTENNA GAIN .....	6
6. CALCULATION RESULT OF MAXIMUM CONDUCTED POWER.....	6



Test Report No.: FM2203WDG0240

## RELEASE CONTROL RECORD

ISSUE NO.	REASON FOR CHANGE	DATE ISSUED
FM2203WDG0240	Original release	May 09, 2022

## 1. CERTIFICATION

<b>PRODUCT:</b>	Music Center with Bluetooth
<b>BRAND NAME:</b>	Victrola, Innovative Technology
<b>MODEL NO.:</b>	VTA-245B
<b>ADDITIONAL MODELS:</b>	VTA-245B-ESP, VTA-245B-ESP-CAN, VTA-245B-FNT, VTA-245B-FNT-CAN, VTA-245B-FOT, VTA-245B-FOT-CAN, VTA-245B-FSG, VTA-245B-FSG-CAN, VTA-245B-GRY, VTA-245B-GRY-CAN, VTA-245B-MGN, VTA-245B-MGN-CAN, VTA-245B-xxx-CAN, VTA-245B-xxx-SDF, VTA-245Bxxxx, ITVS-245B, ITVS-245Bxxxx (where "x" can be 0-9, A-Z, "-" or blank and means color code of unit)
<b>FCC ID:</b>	2AFHW-VTA245BA
<b>TEST SAMPLE:</b>	Engineering Sample
<b>APPLICANT:</b>	Innovative Technology Electronics, LLC
<b>STANDARDS:</b>	FCC Part 2 (Section 2.1091)
	KDB 447498 D01
	IEEE C95.1

**NOTE:** Additional models (see above table) are identical with the test model VTA-245B except the color of the appearance, brand name and model number for trading purpose.

## RF EXPOSURE LIMIT

### LIMITS FOR MAXIMUM PERMISSIBLE EXPOSURE (MPE)

FREQUENCY RANGE (MHz)	ELECTRIC FIELD STRENGTH (V/m)	MAGNETIC FIELD STRENGTH (A/m)	POWER DENSITY (mW/cm <sup>2</sup> )	AVERAGE TIME (minutes)
LIMITS FOR GENERAL POPULATION / UNCONTROLLED EXPOSURE				
300-1500	...	...	F/1500	30
1500-100,000	...	...	1.0	30

F = Frequency in MHz

## 2. MPE CALCULATION FORMULA

$$P_d = (P_{out} \cdot G) / (4 \cdot \pi \cdot r^2)$$

where

$P_d$  = power density in mW/cm<sup>2</sup>

$P_{out}$  = output power to antenna in mW

$G$  = gain of antenna in linear scale

$\pi$  = 3.1416

$R$  = distance between observation point and center of the radiator in cm

## 3. CLASSIFICATION

The antenna of this product, under normal use condition, is at least 20cm away from the body of the user. So, this device is classified as **Mobile Device**.

#### 4. ANTENNA GAIN

The antennas provided to the EUT, please refer to the following table:

Frequency Band	Antenna Gain (dBi)	Antenna Type
2402-2480MHz	0.68	PCB Antenna

#### 5. CALCULATION RESULT OF MAXIMUM CONDUCTED POWER

The tuned conducted Average Power (declared by client)

Mode	Frequency (MHz)	Target Power (dBm)	Tolerance (dBm)	Lower Tolerance (dBm)	Upper Tolerance (dBm)
BT (GFSK)	2402-2480MHz	-8	+ -1	-9	-7
BT (8DPSK)	2402-2480MHz	-8	+ -1	-9	-7

The measured conducted Average Power

Mode	Frequency (MHz)	Averaged Power (dBm)
BT (GFSK)	2402	-7.41
BT (8DPSK)	2402	-7.32

FREQUENCY BAND (MHz)	MAX AVERAGE POWER (dBm)	ANTENNA GAIN (dBi)	DISTANCE (cm)	POWER DENSITY (mW/cm <sup>2</sup> )	LIMIT (mW/cm <sup>2</sup> )
2402-2480	-7	0.68	20	0.00005	1.0

--- END ---