



Test Report No.: FM2108WDG0295



# 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-600B(PC).1
Additional Model & Model Difference	VTA-600BC-MAH-SDF, VTA-600BC. See section 1
Date of tests	Aug. 23, 2021 ~ Sep. 13, 2021

- 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 Andy Zhu Supervisor / EMC Department	Approved by Glyn He Assistant Manager / EMC Department
	
	Date: Apr. 15, 2022

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## RELEASE CONTROL RECORD

ISSUE NO.	REASON FOR CHANGE	DATE ISSUED
FM2108WDG0295	Original release	Apr. 15, 2022

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## 1. CERTIFICATION

**PRODUCT:** Music Center with Bluetooth

**BRAND NAME:** Victrola, Innovative Technology

**MODEL NO.:** VTA-600B(PC).1

**ADDITIONAL MODEL:** VTA-600BC-MAH-SDF, VTA-600BC

**FCC ID:** 2AFHW-VTA600BPC1

**TEST SAMPLE:** ENGINEERING SAMPLE

**APPLICANT:** Innovative Technology Electronics, LLC.

**TESTED DATES:** Aug. 23, 2021 ~ Sep. 10, 2021

**STANDARDS:** FCC Part 2 (Section 2.1091)

KDB 447498 D01

IEEE C95.1

Note : Additional model (See above table) are identical to the test model VTA-600B(PC).1 in electrical, mechanical and physical construction except the different color of the appearance, model No. and brand name for trading purposes.

## 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)
<b>LIMITS FOR GENERAL POPULATION / UNCONTROLLED EXPOSURE</b>				
300-1500	...	...	F/1500	30
1500-100,000	...	...	1.0	30

F = Frequency in MHz

## 2. MPE CALCULATION FORMULA

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

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
BT	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	-1.0	+2	-3.0	1.0
BT (8DPSK)	2402-2480MHz	-1.0	+2	-3.0	1.0

The measured conducted Average Power

Mode	Frequency (MHz)	Averaged Power (dBm)
BT (GFSK)	2402	0.06
BT (8DPSK)	2402	0.08

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> )
BT	1.0	0.68	20	0.000293	1.0

--- END ---