RF EXPOSURE REPORT

Applicant	Innovative Technology Electronics, LLC
Address	1 Channel Drive, Port Washington, NY 11050, USA

Manufacturer or Supplier	Guangdong Leetac Electronics Technology Co .,Ltd.
Address	No.15 Danli Road, South District, Zhongshan, Guangdong, China.
Product	Bluetooth Clock Radio
Brand Name	Victrola, Innovative Technology
Model	VC-100
Additional Model & Model Difference	IC-100, VC-100XXXX, IC-100XXXX (where X can be 0-9, A-Z or blank and means color code of unit)
Date of tests	Jun. 06, 2018 ~ Jun. 23, 2018

☒ **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 Breeze Jiang Project Engineer / EMC Department	Approved by Glyn He Supervisor/ EMC Department
	 Date: Sep. 12, 2018

Table of Contents

RELEASE CONTROL RECORD

ISSUE NO.	REASON FOR CHANGE	DATE ISSUED
FM180606N003	Original release	Sep. 12, 2018

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1. CERTIFICATION

FCC ID:	2AFHW-VC100
PRODUCT:	Bluetooth Clock Radio
BRAND NAME:	Victrola, Innovative Technology
MODEL NO.:	VC-100
ADDITIONAL NO.:	IC-100, VC-100XXXX, IC-100XXXX (where X can be 0-9, A-Z or blank and means color code of unit)
APPLICANT:	Innovative Technology Electronics, LLC
STANDARDS:	FCC Part 2 (Section 2.1091)
	KDB 447498 D01
	IEEE C95.1

NOTE: Additional models (see above table) are identical with the test model VC-100 except the brand name and model name for trading purpose.
Victrola can be used for VC-100, VC-100XXXX,
Innovative Technology can be used for IC-100, IC-100XXXX.

2. 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^2)	AVERAGE TIME (minutes)
LIMITS FOR GENERAL POPULATION / UNCONTROLLED EXPOSURE				
300-1500	…	…	F/1500	30
1500-100,000	…	…	1.0	30

F = Frequency in MHz

3. MPE CALCULATION FORMULA

$Pd = (Pout*G) / (4*pi*r^2)$

where

Pd = power density in mW/cm^2

Pout = 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

4. 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**.

5. ANTENNA GAIN

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

Transmitter Circuit	Peak Gain (dBi)	Antenna Type
Chain 0	0	PCB Antenna

6. CALCULATION RESULT OF MAXIMUM CONDUCTED AV POWER

The tuned conducted Average Power (declared by client)

Mode	Frequency (MHz)	Target Power (dBm)	Tolerance (dBm)	Lower Tolerance (dBm)	Upper Tolerance (dBm)
GFSK	2402-2480	-8	+-2	-10	-6
8DPSK	2402-2480	-12	+-2	-14	-10

The measured conducted Average Power

Mode	Frequency (MHz)	Averaged Power (dBm)
GFSK	2402	-7.73
8DPSK	2402	-11.52

FREQUENCY BAND (MHz)	MAX AVERAGE POWER (dBm)	ANTENNA GAIN (dBi)	DISTANCE (cm)	POWER DENSITY (mW/cm^2)	LIMIT (mW/cm^2)
2402-2480	-6	0	20	0.00005	1.0

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