



**BUREAU
VERITAS**

Test Report No.: FM180606N003

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 |

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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

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

where

P_d = power density in mW/cm²

P_{out} = output power to antenna in mW

G = gain of antenna in linear scale

π = 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 |

--- END ---