

## RF EXPOSURE EVALUATION REPORT

**Application No.:** FYCR2606000209HS  
**Applicant:** Music Is Not Limited  
**Address of Applicant:** 35 Malavear Ct / Pacifica, CA 94044 / USA  
**Manufacturer:** Famous Ever Investment Limited  
**Address of Manufacturer:** Floor 3, 37 Fu Da Road, Zhang Yang, Zhang Mu Tou Town, DongGuan City, GuangDog, China  
**Factory:** Famous Ever Investment Limited  
**Address of Factory:** Floor 3, 37 Fu Da Road, Zhang Yang, Zhang Mu Tou Town, DongGuan City, GuangDog, China  
**EUT Name:** Groove Thing  
**Item No.:** GTBK01  
**Trade Mark:** Groove Thing  
**FCC ID:** 2BWO3GTBK01  
**Standard(s):** 47 CFR Part 1.1307  
KDB447498D01 General RF Exposure Guidance v06  
**Date of Receipt:** 2026-09-03  
**Date of Evaluation:** 2026-09-03  
**Date of Issue:** 2026-09-07

**Evaluation Result:**

**Pass\***

\* In the configuration evaluated, the EUT complied with the standards specified above.



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| Revision Record |         |            |          |          |
|-----------------|---------|------------|----------|----------|
| Version         | Chapter | Date       | Modifier | Remark   |
| 01              |         | 2026-09-07 |          | Original |
|                 |         |            |          |          |
|                 |         |            |          |          |

|                          |  |                              |  |  |
|--------------------------|--|------------------------------|--|--|
| Authorized for issue by: |  |                              |  |  |
|                          |  | Byron Liang                  |  |  |
|                          |  | Byron Liang/Project Engineer |  |  |
| Approved By              |  | Tree Zhan                    |  |  |
|                          |  | Tree Zhan/Reviewer           |  |  |



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## 3 General Information

### 3.1 General Description of E.U.T.

|               |                                                   |
|---------------|---------------------------------------------------|
| Product Type: | <input type="checkbox"/> Portable device          |
|               | <input checked="" type="checkbox"/> Mobile device |
|               | <input type="checkbox"/> Fixed device             |

### 3.2 Details of E.U.T.

Power supply: AC 100-240V 50/60Hz \ DC 12V (Supply power for the AC\DC adapter)  
 Rated Power: 60W  
 Highest operating frequency: 2.4GHz

AC\DC adapter  
 Model: GM60-120500-D  
 Input: AC 100-240V 50/60Hz 2.0A  
 Output: DC 12V, 5A; 60W

Cable(s): 2 wires x about 1.0m unscreened AC mains cable.  
 2 wires x about 1.8m unscreened DC output cable.  
 (The AC\DC adapter output cable to EUT).

RF Parameter: Please refer to test report FYCR260600020901 for BT details  
 Please refer to test report FYCR260600020902 for BLE details

Remark: The information in this section is provided by the applicant or manufacturer, SGS is not liable to the accuracy, suitability, reliability or/and integrity of the information.

### 3.3 Separation Distance

|                                                                                                                                                                                                                                                                                                               |      |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|
| Minimum test separation distance:                                                                                                                                                                                                                                                                             | 20cm |
| Remark: This minimum test separation distance is determined by the smallest distance from the antenna and radiating structures or outer surface of the device, according to the host form factor, exposure conditions and platform requirements, to any part of the body or extremity of a user or bystander. |      |

### 3.4 Evaluation Location

All evaluation were performed at:

Compliance Certification Services (Kunshan) Inc. Shenzhen branch.

Fuyong lab. Xinlong TechnoPark, Fengtang Road, Fuyong Subdistrict, Bao'an, Shenzhen, China

Tel: +86 755 8866 3988 Fax: +86 755 2671 0594

No tests were sub-contracted.



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## 3.5 Test Facility

The test facility is recognized, certified, or accredited by the following organizations:

- **A2LA (Certificate No. 6606.01)**

Compliance Certification Services (Kunshan) Inc. Shenzhen branch is accredited by the American Association for Laboratory Accreditation(A2LA). Certificate No. 6606.01.

- **FCC –Designation Number: CN1322**

Compliance Certification Services (Kunshan) Inc. Shenzhen branch has been recognized as an accredited testing laboratory.

Designation Number: CN1322. Test Firm Registration Number: 718073

- **Innovation, Science and Economic Development Canada**

Compliance Certification Services (Kunshan) Inc. Shenzhen branch has been recognized by ISED as an accredited testing laboratory.

CAB identifier: CN0129.

IC#: 28189.

## 3.6 Deviation from Standards

None

## 3.7 Abnormalities from Standard Conditions

None



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## 4 FCC Radiofrequency radiation exposure limits

### 4.1 RF Exposure Evaluation

#### 4.1.1 Limit & Test Method

According to FCC Part1.1310: The criteria listed in the following table shall be used to evaluate the environment impact of human exposure to radio frequency (RF) radiation as specified in part1.1307(b)

TABLE 1—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> ) | Averaging time (minutes) |
|----------------------------------------------------------------|-------------------------------|-------------------------------|-------------------------------------|--------------------------|
| <b>(A) Limits for Occupational/Controlled Exposures</b>        |                               |                               |                                     |                          |
| 0.3–3.0 .....                                                  | 614                           | 1.63                          | *(100)                              | 6                        |
| 3.0–30 .....                                                   | 1842/f                        | 4.89/f                        | *(900/f <sup>2</sup> )              | 6                        |
| 30–300 .....                                                   | 61.4                          | 0.163                         | 1.0                                 | 6                        |
| 300–1500 .....                                                 | .....                         | .....                         | f/300                               | 6                        |
| 1500–100,000 .....                                             | .....                         | .....                         | 5                                   | 6                        |
| <b>(B) Limits for General Population/Uncontrolled Exposure</b> |                               |                               |                                     |                          |
| 0.3–1.34 .....                                                 | 614                           | 1.63                          | *(100)                              | 30                       |
| 1.34–30 .....                                                  | 824/f                         | 2.19/f                        | *(180/f <sup>2</sup> )              | 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

Friis Formula

Friis transmission formula:  $P_d = (P_{out} * G) / (4 * P_i * R^2)$

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

$P_i$  = 3.1416

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

$P_d$  id the limit of MPE, 1 mW/cm<sup>2</sup>. If we know the maximum gain of the antenna and the total power input to the antenna, through the calculation, we will know the distance r where the MPE limit is reached.



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SZCCS-TRF-01 Rev. A/2

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### 4.1.2 Conclusion

Normal use condition for Distance between antenna and body: 20cm declared by applicant

For Bluetooth BLE

Antenna Gain: 3.42 dBi

| Frequency (MHz) | Antenna Gain (Numeric) | Peak Output Power (dBm) | Peak Output Power (mW) | Power Density (S) (mW/cm <sup>2</sup> ) | Limit of Power Density (S) | Test Result |
|-----------------|------------------------|-------------------------|------------------------|-----------------------------------------|----------------------------|-------------|
|                 |                        |                         |                        |                                         | (mW/cm <sup>2</sup> )      |             |
| 2402            | 2.197859873            | 0.92                    | 1.24                   | 0.00054                                 | 1.000                      | Complies    |
| 2440            | 2.197859873            | 1.86                    | 1.53                   | 0.00067                                 | 1.000                      | Complies    |
| 2480            | 2.197859873            | 2.29                    | 1.69                   | 0.00074                                 | 1.000                      | Complies    |

For Bluetooth Classic

Antenna Gain: 3.42 dBi

| Frequency (MHz) | Antenna Gain (Numeric) | Peak Output Power (dBm) | Peak Output Power (mW) | Power Density (S) (mW/cm <sup>2</sup> ) | Limit of Power Density (S) | Test Result |
|-----------------|------------------------|-------------------------|------------------------|-----------------------------------------|----------------------------|-------------|
|                 |                        |                         |                        |                                         | (mW/cm <sup>2</sup> )      |             |
| 2402            | 2.197859873            | -0.45                   | 0.90                   | 0.00039                                 | 1.000                      | Complies    |
| 2441            | 2.197859873            | 0.12                    | 1.03                   | 0.00045                                 | 1.000                      | Complies    |
| 2480            | 2.197859873            | 0.36                    | 1.09                   | 0.00048                                 | 1.000                      | Complies    |

The Bluetooth and Wi-Fi can be transmitted simultaneously, the result is  $0.00074/1 + 0.00048/1 = 0.00122 < 1$

So SAR report is not required.

Note: Refer to reports No. FYCR260600020901, FYCR260600020902 for EUT test Max Conducted Peak Output Power value.



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## 5 EUT Constructional Details (EUT Photos)

Refer to External and Internal Photos for FYCR2606000209HS

- End of the Report -



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