

EMC-TRF-03 Rev 1.1 Report No.: GZCR240500052004

> Page: 1 of 8 FCC ID: PVB-EMJA026

RF EXPOSURE EVALUATION REPORT

Application No.: GZCR2405000520AT Applicant: The House of Marlev.LLC

Address of Applicant: 3000 Pontiac Trail, Commerce Township, Michigan 48390 United States

Manufacturer: The House of Marley.LLC

Address of Manufacturer: 3000 Pontiac Trail, Commerce Township, Michigan 48390 United States

Betrue Technology (Shenzhen) Co., Ltd. Factory:

10/F., Block 2, Jiancang Science and Technology Park, 11 Songgang Address of Factory:

Avenue, Songgang Street, Bao'an, Shenzhen, Guangdong, China

SHENZHEN BETRUE TECHNOLOGY CO., LTD **Buyer:**

Product Name: Jammin EM-JA026 Model No.:

Trade Mark:

, Marley

KDB447498D01 General RF Exposure Guidance v06 Standard(s):

Date of Receipt: 2024-05-21

Date of Evaluation: 2024-06-13 to 2024-06-13

2024-06-18 Date of Issue:

Pass* **Evaluation Result:**

day Liu Ricky Liu Manager



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^{*} In the configuration evaluated, the EUT complied with the standards specified above.



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Revision Record						
Version	Report No.	Date	Remark			
01	GZCR240500052004	2024-06-18	Original			

Authorized for issue by:			
	Pank Fenny		
	Pank Feng/Project Engineer	_	
	vius cui		
	Vico Cui/Reviewer	-	



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Evaluation Summary

Item	Standard	Method	Requirement	Result
RF Exposure	KDB447498D01 General RF Exposure Guidance v06	KDB447498D01 General RF Exposure Guidance v06	KDB447498D01 General RF Exposure Guidance v06	Pass

Note:

E.U.T./EUT means Equipment Under Test.

Pass means the test result passed the test standard requirement, please find the detailed decision rule in the report relative section.



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General Information

Details of E.U.T.

Power supply: DC 5V for charging (power by AC/DC adaptor provided lab)

Battery operation: DC 3.7V internal rechargeable battery as below:

Model: 803445

Rated: DC 3.7V, 3.885Wh, 1050mAh

Antenna Type: PCB Antenna

Antenna Gain: -0.10dBi according to antenna specification

Antenna Number: 1

For BT

Operation Frequency: 2402MHz to 2480MHz GFSK, pi/4DQPSK, 8DPSK Modulation Type:

Number of Channels: Channel Spacing: 1MHz

Spectrum Spread

Frequency Hopping Spread Spectrum(FHSS)

Technology:

For BLE

Operation Frequency: 2402MHz to 2480MHz

Modulation Type: **GFSK** Number of Channels: 40 Channel Spacing: 2MHz

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.

4.2 Evaluating Location

All tests were performed at:

SGS-CSTC Standards Technical Services Co., Ltd., Guangzhou Branch EMC Laboratory,

No.198, Kezhu Road, Science City, Economic & Technological Development Area, Guangzhou, Guangdong, China 510663

Tel: +86 20 82155555

No tests were sub-contracted.



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4.3 Facility

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

SGS-CSTC Standards Technical Services Co., Ltd., EMC Laboratory can also perform testing for the Australian/New Zealand Regulatory Compliance Mark (RCM).

SGS UK(Certificate No.: 32), SGS-TUV SAARLAND and SGS-FIMKO

Have approved SGS-CSTC Standards Technical Services Co., Ltd., EMC Laboratory as a supplier of EMC TESTING SERVICES and SAFETY TESTING SERVICES.

FCC Recognized Accredited Test Firm(Registration No.: 486818)

SGS-CSTC Standards Technical Services Co., Ltd., EMC Laboratory has been accredited and fully described in a report filed with the (FCC) Federal Communications Commission. The acceptance letter from the FCC is maintained in our files. Designation Number: CN5016, Test Firm Registration Number: 486818.

• ISED (Registration No.: 4620B, CAB identifier: CN0052)

SGS-CSTC Standards Technical Services Co., Ltd., has been registered by Innovation Science and Economic Development Canada for Wireless Device Testing laboratories to test to Canadian radio equipment requirements. Registration No. 4620B, CAB identifier: CN0052.

VCCI (Registration No.: R-12460, C-12584, G-20107 and T-11179)

The 10m Semi-anechoic chamber, 966 Anechoic Chamber and Shielded Room of SGS-CSTC Standards Technical Services Co., Ltd. have been registered in accordance with the Regulations for Voluntary Control Measures with Registration No.: R-12460, C-12584, G-20107 and T-11179 respectively.

CBTL (Lab Code: TL129)

SGS-CSTC Standards Technical Services Co., Ltd., E&E Laboratory has been assessed and fully comply with the requirements of ISO/IEC 17025:2017, the Basic Rules, IECEE 01 and Rules of procedure IECEE 02, and the relevant IECEE CB-Scheme Operational documents.

4.4 Deviation from Standards

None

4.5 Abnormalities from Standard Conditions

None



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Technical Requirements Specification 5

5.1 RF Exposure Evaluation

5.1.1 Limit & Test Method

The 1-g and 10-g SAR test exclusion thresholds for 100 MHz to 6 GHz at test separation distances ≤ 50 mm are determined by:

[(max. power of channel, including tune-up tolerance, mW)/(min. test separation distance, mm)] · $[\sqrt{f(GHz)}] \le 3.0$ for 1-g SAR and ≤ 7.5 for 10-g extremity SAR, where

- f(GHz) is the RF channel transmit frequency in GHz
- Power and distance are rounded to the nearest mW and mm before calculation¹⁷
- The result is rounded to one decimal place for comparison

The test exclusions are applicable only when the minimum test separation distance is ≤ 50 mm and for transmission frequencies between 100 MHz and 6 GHz. When the minimum test separation distance is < 5 mm, a distance of 5 mm is applied to determine SAR test exclusion

5.1.2 Conclusion

The BLE and BT function can not be transmitted simultaneously, so

The Maximum Conducted Peak Output Power is 2.57 dBm in channel 2.480 GHz;

2.57 Bm logarithmic terms convert to numeric result is nearly 1.807 mW

[(max. power of channel, including tune-up tolerance, mW)/(min. test separation distance, mm)] · [√f(GHz)] General RF Exposure = $(1.807 \text{ mW} / 5 \text{ mm}) \times \sqrt{2.480 \text{ GHz}} = 0.569 \text{ (1)}$;

SAR requirement: S = 3.0 (2);

- : (1) < (2)
- : the SAR report is not required.

Note: Refer to report No. GZCR240500052003 for EUT test Max Conducted Peak Output Power value.



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EUT Constructional Details (EUT Photos) 6

Refer to External and Internal Photos for GZCR2405000520AT

- End of the Report -



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