

RF EXPOSURE REPORT

Applicant	The House of Marley. LLC
Address	3000 Pontiac Trail, Commerce Township, Michigan 48390 United States

Manufacturer or Supplier	The House of Marley. LLC
Address	3000 Pontiac Trail, Commerce Township, Michigan 48390 United States
Product	Stir It Up Wireless 2+, Simmer Down Wireless 2+
Brand Name	 Marley, MARLEY
Model	EM-JT305
Additional Model & Model Difference	EM-JT306, see item 1
Date of tests	Apr. 13, 2025 ~ Apr. 25, 2025

☒ **FCC Part 2 (Section 2.1091)**

☒ **KDB 447498 D01 V06**

☒ **IEEE C95.1**

CONCLUSION: The submitted sample was found to COMPLY with the test requirement

Prepared by Lucas Chen Project Engineer / EMC Department	Approved by Glyn He Assistant Manager / EMC Department
	 Date: Jun. 20, 2025

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Table of Contents

RELEASE CONTROL RECORD	3
1. CERTIFICATION.....	4
2. RF EXPOSURE LIMIT	5
3. MPE CALCULATION FORMULA.....	5
4. CLASSIFICATION	5
5. ANTENNA GAIN	6
6. CALCULATION RESULT OF MAXIMUM CONDUCTED POWER.....	6



Test Report No.: FM2504WDG0046

RELEASE CONTROL RECORD

ISSUE NO.	REASON FOR CHANGE	DATE ISSUED
FM2504WDG0046	Original release	Jun. 20, 2025

1. CERTIFICATION

FCC ID:	PVB-EMJT305
PRODUCT:	Stir It Up Wireless 2+, Simmer Down Wireless 2+
BRAND NAME:	 Marley, MARLEY
MODEL NO.:	EM-JT305
ADDITIONAL NO.:	EM-JT306
APPLICANT:	The House of Marley. LLC
STANDARDS:	FCC Part 2 (Section 2.1091)
	KDB 447498 D01 V06
	IEEE C95.1

NOTE:

1. Additional model EM-JT306 is the same as the test modes EM-JT305, for more details please refer to the list below. The difference in Production name, model number and color of the appearance for trading purpose.

Model no.	Production name	Appearance	Trade name
EM-JT305	Stir It Up Wireless 2+	Signature black	 MARLEY
EM-JT306	Simmer Down Wireless 2+	Chocolate brown	 MARLEY

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	0.26	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	0	± 2	-2	2
8DPSK	2402-2480	0	± 2	-2	2

The measured conducted Average Power

Mode	Frequency (MHz)	Averaged Power (dBm)
GFSK	2480	1.17
8DPSK	2480	0.83

FREQUENCY BAND (MHz)	MAX AVERAGE POWER (dBm)	ANTENNA GAIN (dBi)	DISTANCE (cm)	POWER DENSITY (mW/cm ²)	LIMIT (mW/cm ²)
2402-2480	2	0.26	20	0.000335	1.0

Conclusion

Therefore, this device complies with FCC's RF radiation exposure limits for the general population without SAR evaluation

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