RF Exposure Evaluation Report

APPLICANT	**:**	**Mighty Audio, Inc.**
EQUIPMENT	**:**	**Mighty Audio Device**
BRAND NAME	**:**	**Mighty**
MODEL NAME	**:**	**M1**
FCC ID	**:**	**2AKBCB00SCH16**
STANDARD	**:**	**47 CFR Part 2.1093**
		FCC KDB 447498 D01 v06

We, SPORTON INTERNATIONAL INC., would like to declare that the device has been evaluated in accordance with 47 CFR Part 2.1093, and pass the limit. Without written approval of SPORTON INTERNATIONAL INC., the test report shall not be reproduced except in full.

Reviewed by: Eric Huang / Manager

Approved by: Jones Tsai / Manager

Testing Laboratory
1190

SPORTON INTERNATIONAL INC.
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Revision History

REPORT NO.	VERSION	DESCRIPTION	ISSUED DATE
FA6O1109	Rev. 01	Initial issue of report	Jan. 18, 2017

1. Administration Data

Testing Laboratory	
Test Site	SPORTON INTERNATIONAL INC.
Test Site Location	No.52, Hwa Ya 1st Rd., Hwa Ya Technology Park, Kwei-Shan District, Taoyuan City, Taiwan (R.O.C.) TEL: +886-3-327-3456 FAX: +886-3-328-4978

Applicant	
Company Name	Mighty Audio, Inc.
Address	707 Coeur d'Alene Ave, Venice, CA 90291 USA

Manufacturer	
Company Name	Dongguanhung Fu Electronic Technology Co., LTD
Address	ChuTang ChinXiaoTang Industrial Zone,FengGang,DongGuang, GuangDong,China Postcode 523682

2. General Information

2.1 Description of Device Under Test (DUT)

Product Feature & Specification	
EUT Type	Mighty Audio Device
Brand Name	Mighty
Model Name	M1
FCC ID	2AKBCB00SCH16
Wireless Technology and Frequency Range	WLAN 2.4GHz Band: 2412 MHz ~ 2462 MHz Bluetooth: 2402 MHz ~ 2480 MHz
Mode	・802.11b/g/n HT20 ・Bluetooth BR
Antenna Gain	2.4GHz WLAN: 2.27dBi Bluetooth: 2.27dBi
HW Version	C.2
SW Version	0.6
EUT Stage	Identical Prototype

Remark: The above DUT's information was declared by manufacturer. Please refer to the specifications or user's manual for more detailed description.

3. Maximum RF output power among production units

Band / Mode	Average Power (dBm)
Bluetooth BR	-5

Band / Frequency (MHz)		IEEE 802.11 Average Power (dBm)		
		11b	11g	HT20
2.4GHz Band	2412	-18	-24	-24
	2437	-14	-24	-24
	2462	-17	-24	-24

4. RF Exposure Evaluation

2.4GHz WLAN Max Power (dBm)	mW	Separation Distance (mm)	Frequency (GHz)	Exclusion Thresholds
-14	0.00	5	2.462	0.00

Bluetooth Max Power (dBm)	mW	Separation Distance (mm)	Frequency (GHz)	Exclusion Thresholds
-5	0.00	5	2.480	0.00

Note:

1. Per KDB 447498 D01v06 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*)] ·[√f(GHz)] ≤ 3.0 for 1-g SAR and ≤ 7.5 for 10-g extremity SAR

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

Conclusion:

1. For 2.4GHz WLAN, per KDB 447498 D01v06, when the minimum test separation distance is < 5 mm, a distance of 5 mm is applied to determine SAR test exclusion. The test exclusion threshold is 0 which is <= 3, SAR testing is not required.
2. For Bluetooth, per KDB 447498 D01v06, when the minimum test separation distance is < 5 mm, a distance of 5 mm is applied to determine SAR test exclusion. The test exclusion threshold is 0 which is <= 3, SAR testing is not required.