

REPORT NO. OQ332916

APPLICANT : Mighty Audio, Inc.

MANUFACTURER : Dongguanhung Fu Electronic Technology Co., LTD

EQUIPMENT: Mighty Audio Device

DATE OF RECEIPT : March 29, 2023

DATE OF TEST : March 31, 2023

ISSUE DATE : May 24, 2023

Reviewed by:







Tim Kao / Vice Manager

We, SPORTON INTERNATIONAL INC., would like to declare that the tested sample has been evaluated in accordance with the procedures and shown the compliance with the applicable technical standards.

The test results in this report apply exclusively to the tested model / sample. Without written approval of SPORTON INTERNATIONAL INC., the test report shall not be reproduced except in full.

The declared product specification for EUT presented in this report is provided by the manufacturer / applicant, and the manufacturer / applicant takes all the responsibilities for the accuracy of product specification.

SPORTON INTERNATIONAL INC.



Table of Contents

Re	vision	History	- 3
1.	Test	Laboratory	- 4
2.	Clien	t Information	- 4
	2.1	Applicant	- 4
	2.2	Manufacturer	- 4
3.	Equi	pment Under test(EUT) Information	- 5
	3.1	Description of EUT	- 5
	3.2	Product Photo	- 6
4.	Meas	surement Environment	- 7
5.	Sum	mary of Test Results	- 9
	5.1	Declaration	- 6
	5.2	Abbreviations and Definitions	- 6
	5.3	Summary Table	10
6.	Desc	ription for EUT testing position	11

Report No.: OQ332916



Revision History

Report No.: OQ332916

REPORT NO.	VERSION	DESCRIPTION	ISSUED DATE
OQ332916	1.0	Initial issue of report	May 24, 2023

Sporton International Inc.Page Number: 3 of 11TEL: +886-3-327-3456Report Version: 1.0



1. Test Laboratory

Test Site	Sporton International Inc. EMC & Wireless Communications Laboratory		
Telephone Number	TEL: +886-3-327-3456; FAX: +886-3-328-4978		
Address	No.52, Huaya 1st Rd., Guishan Dist., Taoyuan City 333, Taiwan		
Chamber	☐ OTA01-HY ☐ OTA03-HY ☐ OTA04-HY ■ OTA05-HY		

Report No.: OQ332916

2. Client Information

2.1 Applicant

Company Name	Mighty Audio, INC.
Address	707 Coeur d'Alene Ave, Venice, CA 90291 USA
Contact Person	Anthony Mendelson / anthony@bemighty.com
Telephone Number	+1 707-592-2122

2.2 Manufacturer

Company Name	Dongguanhung Fu Electronic Technology Co., LTD			
Address	ChuTang ChinXiaoTang Industrial Zone, FengGang, DongGuang, GuangDong,			
Address	China Postcode 523682			
Contact Person	Amen Chi / amen_chi@jpcco.com.tw			
Talambana Numban	TEL: +886-2-8226-3811			
Telephone Number	FAX: +886-2-8226-3822			

Sporton International Inc.Page Number: 4 of 11TEL: +886-3-327-3456Report Version: 1.0

^{■ :} The chamber(s) which used to perform the test in this test report.



3. Equipment Under test(EUT) Information

3.1 Description of EUT

Product Feature & Specification					
EUT Type Mighty Audio Device					
Brand Name	Mighty				
Model Name	M200				
Antenna Type	PCB				

Report No.: OQ332916

Sporton International Inc.Page Number: 5 of 11TEL: +886-3-327-3456Report Version: 1.0



4. Measurement Environment

Ambient Condition

Temperature (°C):	25°C +/- 5°C	Humidity (%):	<60%
--------------------	--------------	---------------	------

Report No.: OQ332916

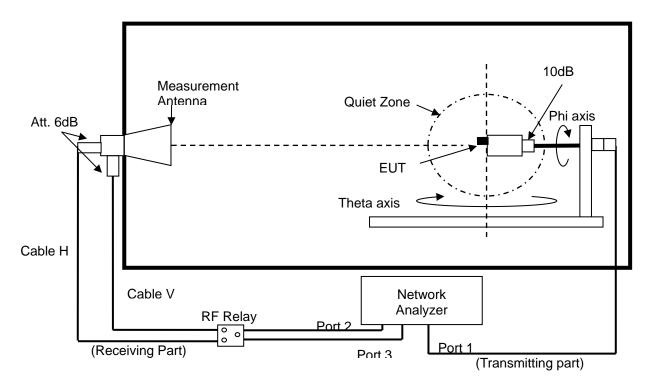
Test Equipment List

Nama	Manufacturan	T /NA I I	Carial Namekan	Calibration	
Name	Manufacturer	Type/Model	Serial Number	Last Cal.	Due Date
ENA Series Network Analyzer	Keysight	E5071C	MY46106276	2023/03/02	2024/03/01
RF Switch	Keysight	3499A	N/A	NCR	NCR
Multi-Axis Positioner Controller	ETS-Lindgren	2090	N/A	NCR	NCR
Medium-Duty Positioner	ETS-Lindgren	2015	N/A	NCR	NCR
Measurement Horn Antenna	EMCO	3164-10	00239261	NCR	NCR

Sporton International Inc.Page Number: 7 of 11TEL: +886-3-327-3456Report Version: 1.0



Passive measurement setup



Sporton International Inc. TEL: +886-3-327-3456

FAX: +886-3-328-4978

Page Number : 8 of 11 Report Version : 1.0

Report Date May 24, 2023

Report No.: OQ332916



5. Summary of Test Results

5.1 Declaration

Declaration of Conformity:

The judgment of conformity in the report is based on the measurement results excluding the measurement uncertainty.

Report No.: OQ332916

Comments and Explanations:

None

5.2 Abbreviations and Definitions

Please note the following abbreviations in this section:

FS = Free Space

Sporton International Inc.Page Number: 9 of 11TEL: +886-3-327-3456Report Version: 1.0



5.3 Summary Table

	WLAN							
Frequency (MHz)	Ant. Port Input Pwr. (dB)	Gain (dBi)	Directivity (dBi)	Efficiency (dB)	Efficiency (%)			
2412	0.0	-2.60	4.35	-6.95	20.17			
2437	0.0	-2.30	4.68	-6.98	20.05			
2462	0.0	-2.55	4.79	-7.34	18.44			
2472	0.0	-3.19	4.47	-7.66	17.13			

ВТ						
Frequency (MHz)	Ant. Port Input Pwr. (dB)	Gain (dBi)	Directivity (dBi)	Efficiency (dB)	Efficiency (%)	
2402	0.0	-8.28	5.32	-13.60	4.36	
2440	0.0	-6.93	5.63	-12.55	5.55	
2480	0.0	-5.31	5.96	-11.27	7.47	

Sporton International Inc. Page Number : 10 of 11 TEL: +886-3-327-3456 Report Version : 1.0 FAX: +886-3-328-4978

Report Date May 24, 2023

Report No.: OQ332916