



Human Exposure Report

Application No.: SZCR2105020933AT
Applicant: New Audio LLC
Address of Applicant: 132w.31st 7th Floor New York, NY 10001
Manufacturer: New Audio LLC
Address of Manufacturer: 132w.31st 7th Floor New York, NY 10001
Equipment Under Test (EUT):
EUT Name: Inductive Charger
Model No.: MC100
FCC ID: 2AGA7MC100
Standards: 47 CFR PART 1, Subpart I, Section 1.1310
47 CFR PART 2, Subpart J, Section 2.1091
Date of Receipt: 2021-05-08
Date of Test: 2021-05-12 to 2021-06-21
Date of Issue: 2021-06-29

Test Result :	Pass*
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* In the configuration tested, the EUT complied with the standards specified above

Kenx. Xu

Kenx Xu
EMC Laboratory Manager



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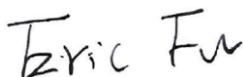


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Revision Record				
Version	Chapter	Date	Modifier	Remark
01		2021-06-29		Original

Authorized for issue by:				
				
		Bill Chen/Project Engineer		
				
		Eric Fu/Reviewer		



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3 General Information

3.1 Details of E.U.T.

Power supply:	Input: DC 5V/1.5A and 9V 1.5A Wireless Output:5W, 7.5W and 10W
Cable(s):	Type C cable:97cm unshielded
Operation frequency:	112.2kHz to 149.4kHz
Modulation type:	Load modulation
Antenna type:	Loop Antenna
S/N:	Black: CBBGGCG1E0004 White: CBBGGCG1E0020
Remark:	This device has been tested the worst status of full load and the device hasbeen tested with load at 5W, 7.5W and 10W, the worst case 10W is reported only.



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3.2 Description of Support Units

Description	Manufacturer	Model No.	Serial No.
Adapter	SAMSUNG	EP-TA200	REF. No.SEA05K01F
iPhone 8	Apple	A1863	REF. No.SEA16J00
Mobile Phone	SAMSUNG	SM-G9810	REF. No.SEA16K00
E-loading	SGS	N/A	REF. No.SEA42A00

3.3 Test Location

All tests were performed at:

SGS-CSTC Standards Technical Services Co., Ltd., Shenzhen Branch E&E Lab,

No. 1 Workshop, M-10, Middle section, Science & Technology Park, Shenzhen, Guangdong, China 518057.

Tel: +86 755 2601 2053 Fax: +86 755 2671 0594

No tests were sub-contracted.

3.4 Test Facility

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

• **A2LA (Certificate No. 3816.01)**

SGS-CSTC Standards Technical Services Co., Ltd., Shenzhen EMC Laboratory is accredited by the American Association for Laboratory Accreditation(A2LA). Certificate No. 3816.01.

• **VCCI**

The 3m Fully-anechoic chamber for above 1GHz, 10m Semi-anechoic chamber for below 1GHz, Shielded Room for Mains Port Conducted Interference Measurement and Telecommunication Port Conducted Interference Measurement of SGS-CSTC Standards Technical Services Co., Ltd. have been registered in accordance with the Regulations for Voluntary Control Measures with Registration No.: G-20026, R-14188, C-12383 and T-11153 respectively.

• **FCC –Designation Number: CN1178**

SGS-CSTC Standards Technical Services Co., Ltd., Shenzhen EMC Laboratory has been recognized as an accredited testing laboratory.

Designation Number: CN1178. Test Firm Registration Number: 406779.

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

SGS-CSTC Standards Technical Services Co., Ltd., Shenzhen EMC Laboratory has been recognized by ISED as an accredited testing laboratory.

CAB identifier: CN0006.

IC#: 4620C.



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3.5 Deviation from Standards

None.

3.6 Abnormalities from Standard Conditions

None.



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4 Equipments Used during Test

Item	Test Equipment	Manufacturer	Model No.	Inventory No.	Cal. Due date
1	Electric and Magnetic Field Analyzer	Narda	EHP-50F	EMC092	2021-11-26

5 Test Results

5.1 RF Exposure test

Test Requirement: 47 CFR PART 1, Subpart I, Section 1.1310
47 CFR PART 2, Subpart J, Section 2.1091

Measurement Distance: 15cm

Limit:

Frequency range (MHz)	Electric field strength (V/m)	Magnetic field strength (A/m)	Power density (mW/cm ²)	Averaging time (minutes)
(A) Limits for Occupational/Controlled Exposures				
0.3-3.0	614	1.63	*(100)	6
3.0-30	1842/f	4.89/f	*(900/f ²)	6
30-300	61.4	0.163	1.0	6
300-1500	/	/	f/300	6
1500-100,000	/	/	5	6
(B) Limits for General Population/Uncontrolled Exposure				
0.3-1.34	614	1.63	*(100)	30
1.34-30	824/f	2.19/f	*(180/f ²)	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

*=Plane-wave equivalent power density

RF exposure compliance will need to be determined with respect to 1.1307(c) and (d) of the FCC rules.



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The emissions should be within the limits at 300kHz in Table 1 of 1.1310(use the 300kHz limits for 150kHz:614V/m,1.63A/m).

5.1.1 E.U.T. Operation

Operating Environment:

Temperature: 22.3 °C Humidity: 52.9 % RH Atmospheric Pressure: 1015 mbar

This device has been tested the worst status of full load and the device has been tested with mobile phone at zero charge, intermediate charge, and full charge.



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5.1.2 Measurement Data

Output Voltage=DC 9V; The max output power =10W

Magnetic Field Emissions

Operation frequency	Test Distance (cm)	Test Position	Probe Measure Result (A/m)	50% Limit (A/m)
135 kHz	15	Side 1	0.0194	0.815
		Side 2	0.0175	0.815
		Side 3	0.0169	0.815
		Side 4	0.0161	0.815
		Top	0.0147	0.815



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Mobile phone has been charge at zero charge, intermediate charge, and full charge.

Magnetic Field Emissions

Operation frequency	Test Distance (cm)	Test Position	Probe Measure Result(A/m)			50%Limit (A/m)
			zero charge	intermediate charge	full charge	
135 kHz	15	Side 1	0.0210	0.0180	0.0152	0.815
		Side 2	0.0194	0.0158	0.0142	0.815
		Side 3	0.0179	0.0151	0.0139	0.815
		Side 4	0.0174	0.0147	0.0124	0.815
		Top	0.0153	0.0130	0.0117	0.815

- End of the Report -



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