



Compliance Certification Services (Kunshan) Inc. Shenzhen Branch

SZCCS-TRF-01 Rev. A/0 Aug01,2022

Report No.: FYCR221000040202

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Human Exposure Report

Application No.: FYCR2210000402AT
Applicant: GN Audio USA Inc.
Address of Applicant: 900 Chelmsfort St, Tower 2, Floor 8, Lowell, Massachusetts, 01851, United States
Manufacturer: GN Audio A/S
Address of Manufacturer: Lautrupbjerg 7, 2750 Ballerup, Denmark
Equipment Under Test (EUT):
EUT Name: Wireless Charging Pad
Model No.: 5190004
Trade Mark: Jabra
FCC ID: BCE-5190004
Standards: 47 CFR PART 1, Subpart I, Section 1.1310
47 CFR PART 2, Subpart J, Section 2.1091
Date of Receipt: 2022-10-14
Date of Test: 2022-10-24 to 2022-10-26
Date of Issue: 2022-11-12

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

Winkey Wang
EMC Technical Manager



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Revision Record				
Version	Chapter	Date	Modifier	Remark
01		2022-11-12		Original

Authorized for issue by:				
				
		Tree Zhan/Project Engineer		
				
		Winkey Wang/Reviewer		



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3 General Information

3.1 Details of E.U.T.

EUT Name:	Wireless Charging Pad
Model No.:	5190004
Power supply:	Input: DC5V/2A Output: DC5V/1A 5W
Antenna Type:	Load modulation
Modulation Type:	Loop Antenna
Operation frequency:	110.8kHz to 147.8kHz

3.2 Description of Support Units

Description	Manufacturer	Model No.	Serial No.
Adapter	HUAWEI	HW-050200E01	N/A
E-Loading	BAECIAR	RX 15W	N/A
Mobile Phone	SAMSUNG	SM-G9810	N/A
Earphone	Apple	A2566	N/A



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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. 6606.01)

Compliance Certification Services (Kunshan) Inc. Shenzhen branch is accredited by the American Association for Laboratory Accreditation (A2LA). Certificate No. 6606.01.

• FCC –Designation Number: CN1322

Compliance Certification Services (Kunshan) Inc. Shenzhen branch has been recognized as an accredited testing laboratory.

Designation Number: CN1322. Test Firm Registration Number: 718073

• Innovation, Science and Economic Development Canada

Compliance Certification Services (Kunshan) Inc. Shenzhen branch has been recognized by ISED as an accredited testing laboratory.

CAB identifier: CN0129.

IC#: 28189.

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	3m Fully-Anechoic Chamber	AUDIX	N/A	SEM001-02	2024-12-23
2	Electric and Magnetic Field Analyzer	Narda	EHP-50F	EMC092	2022-11-25

Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	00	Charge mode_Keep the EUT charging to E-loading(5W)
Final test	01	Charge mode_Keep the EUT charging to mobile phone(5W)
Pre-scan	02	Charge mode_Keep the EUT charging to earphone box(5W)



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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. 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).



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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.

5.1.2 Measurement Data

Input Voltage=DC 5V; The max output power =5W.

Magnetic Field Emissions

Operation frequency	Test Distance (cm)	Test Position	Probe Measure Result (A/m)			50 % Limit (A/m)	10 % Limit (A/m)
			unload	Half load	full load		
117 kHz which is the worst case within the operation frequency range	15	Side 1	0.046	0.050	0.064	0.815	0.163
		Side 2	0.041	0.050	0.058		
		Side 3	0.047	0.055	0.066		
		Side 4	0.041	0.049	0.061		
		Top	0.042	0.052	0.058		

Magnetic Field Emissions

Operation frequency	Test Distance (cm)	Test Position	Probe Measure Result(A/m)			50 % Limit (A/m)	10 % Limit (A/m)
			zero charge	intermediate charge	full charge		
124 kHz which is the worst case within the operation frequency range	15	Side 1	0.060	0.050	0.040	0.815	0.163
		Side 2	0.052	0.044	0.035		
		Side 3	0.059	0.049	0.039		
		Side 4	0.050	0.042	0.033		
		Top	0.053	0.044	0.035		

- End of the Report -



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