
FCC Test Report

Report No.: AGC01110231241FR01A

FCC ID : 2A0KB-A6611L

APPLICATION PURPOSE : Class II Permissive Change

PRODUCT DESIGNATION : Wireless Headphone

BRAND NAME : soundcore

MODEL NAME : A6611L

APPLICANT : Anker Innovations Limited

DATE OF ISSUE : Jun. 18, 2024

STANDARD(S) : FCC Part 15 Subpart C §15.247

REPORT VERSION : V1.0

Attestation Of **AGC** (Shenzhen) Co., Ltd



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Report Revise Record

Report Version	Revise Time	Issued Date	Valid Version	Notes
V1.0	/	Jun. 18, 2024	Valid	Initial Release

Note: The original test report AGC01110231241FR01 (dated Feb. 02, 2024 and tested from Jan. 04, 2024 – Feb. 02, 2024) was modified on Jun. 18, 2024, including the following changes and additions:

- Added the battery of earphone and charging case, the batteries are the same except for the manufacturer and model, see below for details:

Original:

Battery Information (Earphone)	Model: ZWD1040S1H Rated Voltage & Cap.: 3.85V 38mAh Manufacturer name: Guangdong Mic-power New Energy Co., Ltd.
Battery Information (Charging case)	Model: M652040 Rated Voltage & Cap.: 3.72V 580mAh Manufacturer name: Guangdong Mic-power New Energy Co., Ltd.

Updated:

Battery Information (Earphone)	Model: VDL 1040W7 Rated Voltage & Cap.: 3.85V 38mAh Chongqing VDL Electronics Co., LTD.
Battery Information (Charging case)	Model: 672040PN3A Rated Voltage & Cap.: 3.72V 580mAh Chongqing VDL Electronics Co., LTD.

-Changed the Applicant address;

-Changed the Manufacturer address;

For the above described change(s) the following tests was considered to be necessary:

Clause	Testing
§15.209	Radiated Emission

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1. General Information

Applicant	Anker Innovations Limited
Address	Unit 56, 8th Floor, Tower 2, Admiralty Centre, 18 Harcourt Road, Hong Kong
Manufacturer	Anker Innovations Limited
Address	Unit 56, 8th Floor, Tower 2, Admiralty Centre, 18 Harcourt Road, Hong Kong
Factory	N/A
Address	N/A
Product Designation	Wireless Headphone
Brand Name	soundcore
Test Model	A6611L
Series Model(s)	N/A
Difference Description	N/A
Date of receipt of test item	Jun. 04, 2024
Date of Test	Jun. 04, 2024 –Jun. 18, 2024
Deviation from Standard	No any deviation from the test method
Condition of Test Sample	Normal
Test Result	Pass
Test Report Form No	AGCER-FCC-BLE-V1

Note: The test results of this report relate only to the tested sample identified in this report.

Prepared By 

 Cool Cheng
 (Project Engineer) Jun. 18, 2024

Reviewed By 

 Calvin Liu
 (Reviewer) Jun. 18, 2024

Approved By 

 Max Zhang
 Authorized Officer Jun. 18, 2024

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2. Product Information

2.1 Product Technical Description

Frequency Band	2400MHz-2483.5MHz
Operation Frequency Range	2402MHz-2480MHz
Bluetooth Version	V5.3
Modulation Type	BLE <input checked="" type="checkbox"/> GFSK 1Mbps <input type="checkbox"/> GFSK 2Mbps
Number of channels	40
Carrier Frequency of Each Channel	40 Channels (37 hopping + 3 advertising channels)
Channel Separation	2 MHz
Maximum Transmitter Power	Bluetooth LE (1Mbps): 3.566dBm Bluetooth LE (2Mbps): 3.958dBm
Hardware Version	D
Software Version	V0.09
Antenna Designation	LDS Antenna
Antenna Gain	-4.2dBi
Power Supply	DC 3.85V by battery
Adapter Information	N/A

2.2 Test Frequency List

Frequency Band	Channel Number	Frequency
2400~2483.5MHz	0	2402 MHz
	1	2404 MHz
	:	:
	19	2440MHz
	:	:
	38	2478 MHz
	39	2480 MHz

Note: $f = 2402 + 2 \cdot k$ MHz, $k = 0, \dots, 39$ f is the operating frequency (MHz); k is the operating channel.

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2.3 Related Submittal(S) / Grant (S)

This submittal(s) (test report) is intended for FCC ID: 2AOKB-A6611L, filing to comply with Part 2, Part 15 of the Federal Communication Commission rules.

2.4 Test Methodology

The tests were performed according to following standards:

No.	Identity	Document Title
1	FCC 47 CFR Part 2	Frequency allocations and radio treaty matters; general rules and regulations
2	FCC 47 CFR Part 15	Radio Frequency Devices
3	ANSI C63.10-2013	American National Standard for Testing Unlicensed Wireless Devices
4	KDB 558074 D01 15.247 Meas Guidance v05r02	Guidance for compliance measurements on Digital Transmission Systems, Frequency Hopping Spread Spectrum system, and Hybrid system devices operating under Section 15.247 of the FCC rules

2.5 Special Accessories

Not available for this EUT intended for grant.

2.6 Equipment Modifications

Not available for this EUT intended for grant.

2.7 Antenna Requirement

Standard Requirement
<p>15.203 requirement: An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator, the manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited.</p> <p>15.247(b) (4) requirement: The conducted output power limit specified in paragraph (b) of this section is based on the use of antennas with directional gains that do not exceed 6 dBi. Except as shown in paragraph (c) of this section, if transmitting antennas of directional gain greater than 6 dBi are used, the conducted output power from the intentional radiator shall be reduced below the stated values in paragraphs (b)(1), (b)(2), and (b)(3) of this section, as appropriate, by the amount in dB that the directional gain of the antenna exceeds 6 dBi</p>
<p>EUT Antenna: The non-detachable antenna inside the device cannot be replaced by the user at will. The gain of the antenna is -4.2dBi.</p>

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3. Test Environment

3.1 Address of the Test Laboratory

Laboratory: Attestation of Global Compliance (Shenzhen) Co., Ltd.

Address: 1-2/F, Building 19, Junfeng Industrial Park, Chongqing Road, Heping Community, Fuhai Street, Bao'an District, Shenzhen, Guangdong, China

3.2 Test Facility

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

CNAS-Lab Code: L5488

Attestation of Global Compliance (Shenzhen) Co., Ltd. has been assessed and proved to follow CNAS-CL01 Accreditation Criteria for Testing and Calibration Laboratories (identical to ISO/IEC17025: 2017 General Requirements for the Competence of Testing and Calibration Laboratories).

A2LA-Lab Cert. No.: 5054.02

Attestation of Global Compliance (Shenzhen) Co., Ltd. EMC Laboratory has been accredited by A2LA for technical competence in the field of electrical testing, and proved to follow ISO/IEC 17025: 2017 General Requirements for the Competence of Testing and Calibration Laboratories and any additional program requirements in the identified field of testing.

FCC-Registration No.: 975832

Attestation of Global Compliance (Shenzhen) Co., Ltd. EMC Laboratory has been registered and fully described in a report filed with the FCC (Federal Communications Commission). The acceptance letter from the FCC is maintained in our files with Registration 975832.

IC-Registration No.: 24842 (CAB identifier: CN0063)

Attestation of Global Compliance (Shenzhen) Co., Ltd. EMC Laboratory has been registered and fully described in a report filed with the Certification and Engineering Bureau of Industry Canada. The acceptance letter from the IC is maintained in our files with Registration 24842.

3.3 Environmental Conditions

	Normal Conditions
Temperature range (°C)	15 - 35
Relative humidity range	20 % - 75 %
Pressure range (kPa)	86 - 106
Power supply	DC 3.85V by battery

3.4 Measurement Uncertainty

The reported uncertainty of measurement $y \pm U$, where expanded uncertainty U is based on a standard uncertainty multiplied by a coverage factor of $k=2$, providing a level of confidence of approximately 95%.

Item	Measurement Uncertainty
Uncertainty of Conducted Emission for AC Port	$U_c = \pm 2.9$ dB
Uncertainty of Radiated Emission below 1GHz	$U_c = \pm 3.9$ dB
Uncertainty of Radiated Emission above 1GHz	$U_c = \pm 4.9$ dB
Uncertainty of total RF power, conducted	$U_c = \pm 0.8$ dB
Uncertainty of RF power density, conducted	$U_c = \pm 2.6$ dB
Uncertainty of spurious emissions, conducted	$U_c = \pm 2$ %
Uncertainty of Occupied Channel Bandwidth	$U_c = \pm 2$ %

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3.5 List of Equipment Use

● Radiated Spurious Emission							
Used	Equipment No.	Test Equipment	Manufacturer	Model No.	Serial No.	Last Cal. Date (YY-MM-DD)	Next Cal. Date (YY-MM-DD)
<input type="checkbox"/>	AGC-EM-E046	EMI Test Receiver	R&S	ESCI	10096	2024-02-01	2025-01-31
<input checked="" type="checkbox"/>	AGC-EM-E116	EMI Test Receiver	R&S	ESCI	100034	2024-05-24	2025-05-23
<input checked="" type="checkbox"/>	AGC-EM-E061	Spectrum Analyzer	Agilent	N9010A	MY53470504	2024-05-28	2025-05-27
<input checked="" type="checkbox"/>	AGC-EM-E086	Loop Antenna	ZHINAN	ZN30900C	18051	2024-03-05	2026-03-04
<input checked="" type="checkbox"/>	AGC-EM-E001	Wideband Antenna	SCHWARZBECK	VULB9168	D69250	2023-05-11	2025-05-10
<input checked="" type="checkbox"/>	AGC-EM-E029	Broadband Ridged Horn Antenna	ETS	3117	00034609	2024-03-31	2025-03-30
<input checked="" type="checkbox"/>	AGC-EM-E082	Horn Antenna	SCHWARZBECK	BBHA 9170	#768	2023-09-24	2025-09-23
<input checked="" type="checkbox"/>	AGC-EM-E146	Pre-amplifier	ETS	3117-PA	00246148	2022-08-04	2024-08-03
<input checked="" type="checkbox"/>	AGC-EM-A119	2.4G Filter	SongYi	N/A	N/A	2024-05-23	2025-05-22
<input checked="" type="checkbox"/>	AGC-EM-A138	6dB Attenuator	Eeatsheep	LM-XX-6-5W	N/A	2023-06-09	2025-06-08
<input type="checkbox"/>	AGC-EM-A139	6dB Attenuator	Eeatsheep	LM-XX-6-5W	N/A	2023-06-09	2025-06-08

● Test Software					
Used	Equipment No.	Test Equipment	Manufacturer	Model No.	Version Information
<input checked="" type="checkbox"/>	AGC-EM-S003	RE Test System	FARA	EZ-EMC	V.RA-03A
<input checked="" type="checkbox"/>	AGC-EM-S011	RSE Test System	Tonscend	TS ⁺ Ver2.1(JS36-RSE)	4.0.0.0

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4. System Test Configuration

4.1 EUT Configuration

The EUT configuration for testing is installed on RF field strength measurement to meet the Commission's requirement and operating in a manner which intends to maximize its emission characteristics in a continuous normal application.

4.2 EUT Exercise

The Transmitter was operated in the normal operating mode. The TX frequency was fixed which was for the purpose of the measurements.

4.3 Configuration of Tested System

Radiated Emission Configure:



4.4 Equipment Used In Tested System

The following peripheral devices and interface cables were connected during the measurement:

Test Accessories Come From The Laboratory

No.	Equipment	Model No.	Manufacturer	Specification Information	Cable
1	Xiaomi Phone	MI 10	Xiaomi	--	--
2	Control Box	USB-TTL	--	--	--

Test Accessories Come From The Manufacturer

No.	Equipment	Model No.	Manufacturer	Specification Information	Cable
1	--	--	--	--	--

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4.5 Summary of Test Results

Item	FCC Rules	Description of Test	Result
1	§15.209	Radiated Emission	Pass

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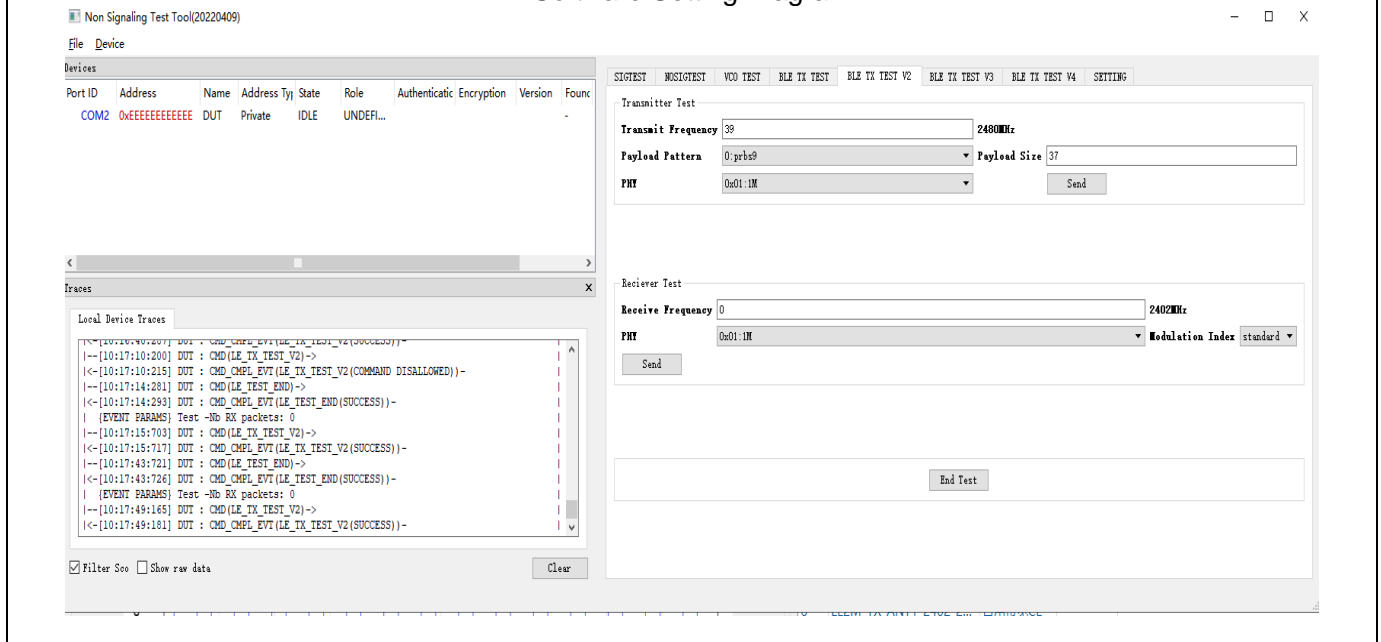
5. Description of Test Modes

Summary Table of Test Cases	
Test Item	Data Rate / Modulation
	Bluetooth – LE(1Mbps/2Mbps) / GFSK
Radiated & Conducted Test Cases	Mode 1: Bluetooth Tx CH00_2402 MHz_1Mbps(Battery powered) Mode 2: Bluetooth Tx CH19_2440 MHz_1Mbps(Battery powered) Mode 3: Bluetooth Tx CH39_2480 MHz_1Mbps(Battery powered) Mode 4: Bluetooth Tx CH00_2402 MHz_2Mbps(Battery powered) Mode 5: Bluetooth Tx CH19_2440 MHz_2Mbps(Battery powered) Mode 6: Bluetooth Tx CH39_2480 MHz_2Mbps(Battery powered)
AC Conducted Emission	N/A

Note:

1. Only the result of the worst case was recorded in the report, if no other cases.
2. The battery is full-charged during the test.
3. For Radiated Emission, 3axis were chosen for testing for each applicable mode.
4. For Conducted Test method, a temporary antenna connector is provided by the manufacture.

Software Setting Diagram



The screenshot shows the 'Non Signaling Test Tool(20220409)' interface. It features a 'Devices' table with columns for Port ID, Address, Name, Address Ty, State, Role, Authentic, Encryption, Version, and Found. A device 'COM2' is listed with address '0xEEEEEEEEEE' and state 'IDLE'. The main window is divided into 'Transmitter Test' and 'Receiver Test' sections. The Transmitter Test section includes fields for Transmit Frequency (2400MHz), Payload Pattern (0:prbs9), Payload Size (37), and PHY (0x01:1M). The Receiver Test section includes fields for Receive Frequency (2402MHz) and PHY (0x01:1M). A 'Send' button is present in both sections. At the bottom, there is an 'End Test' button. A 'Traces' window is open, displaying a log of device traces with timestamps and messages such as 'CMD[LE_TX_TEST_V2]->', 'CMD_CHM1_EVT[LE_TX_TEST_V2(COMMAND DISALLOWED)]', and 'CMD_CHM1_EVT[LE_TEST_END(SUCCESS)]'. The log also shows 'EVENT_PARAMS' and 'Test -No RX packets: 0'.

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6. Radiated Spurious Emission

6.1 Measurement Limit

FCC Part 15.209 Limit in the below table to be followed

Frequencies (MHz)	Field Strength (microvolts/meter)	Measurement Distance (meters)
0.009~0.490	2400/F(kHz)	300
0.490~1.705	24000/F(kHz)	30
1.705~30.0	30	30
30~88	100	3
88~216	150	3
216~960	200	3
Above 960	500	3

Note: All modes were tested for restricted band radiated emission, the test records reported below are the worst result compared to other modes.

6.2 Measurement Procedure

1. The EUT was placed on the top of the turntable 0.8 or 1.5 meter above ground. The phase center of the receiving antenna mounted on the top of a height-variable antenna tower was placed 3 meters far away from the turntable.
2. Power on the EUT and all the supporting units. The turntable was rotated by 360 degrees to determine the position of the highest radiation.
3. The height of the broadband receiving antenna was varied between one meter and four meters above ground to find the maximum emissions field strength of both horizontal and vertical polarization.
4. For each suspected emission, the antenna tower was scan (from 1 M to 4 M) and then the turntable was rotated (from 0 degree to 360 degrees) to find the maximum reading.
5. Set the test-receiver system to Peak or CISPR quasi-peak Detect Function with specified bandwidth under Maximum Hold Mode.
6. For emissions above 1GHz, use 1MHz RBW and 3MHz VBW for peak reading. Place the measurement antenna away from each area of the EUT determined to be a source of emissions at the specified measurement distance, while keeping the measurement antenna aimed at the source of emissions at each frequency of significant emissions, with polarization oriented for maximum response. The measurement antenna may have to be higher or lower than the EUT, depending on the radiation pattern of the emission and staying aimed at the emission source for receiving the maximum signal. The final measurement antenna elevation shall be that which maximizes the emissions. The measurement antenna elevation for maximum emissions shall be restricted to a range of heights of from 1 m to 4 m above the ground or reference ground plane.
7. When the radiated emissions limits are expressed in terms of the average value of the emissions, and pulsed operation is employed, the measurement field strength shall be determined by averaging over one complete pulse train, including blanking intervals, as long as the pulse train does not exceed 0.1 seconds.

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As an alternative (provided the transmitter operates for longer than 0.1 seconds) or in cases where the pulse train exceeds 0.1 seconds, the measured field strength shall be determined from the average absolute voltage during a 0.1 second interval during which the field strength is at its maximum values.

8. If the emissions level of the EUT in peak mode was 3 dB lower than the average limit specified, then testing will be stopped and peak values of EUT will be reported, otherwise, the emissions which do not have 3 dB margin will be repeated one by one using the quasi-peak method for below 1GHz.
9. For testing above 1GHz, the emissions level of the EUT in peak mode was lower than average limit (that means the emissions level in peak mode also complies with the limit in average mode), then testing will be stopped and peak values of EUT will be reported, otherwise, the emissions will be measured in average mode again and reported.
10. In case the emission is lower than 30MHz, loop antenna has to be used for measurement and the recorded data should be QP measured by receiver. High - Low scan is not required in this case.

The following table is the setting of spectrum analyzer and receiver.

Spectrum Parameter	Setting
Start ~Stop Frequency	9kHz~150kHz/RB 200Hz for QP
Start ~Stop Frequency	150kHz~30MHz/RB 9kHz for QP
Start ~Stop Frequency	30MHz~1000MHz/RB 120kHz for QP
Start ~Stop Frequency	1GHz~26.5GHz 1MHz/3MHz for Peak, 1MHz/3MHz for Average

Receiver Parameter	Setting
Start ~Stop Frequency	9kHz~150kHz/RB 200Hz for QP
Start ~Stop Frequency	150kHz~30MHz/RB 9kHz for QP
Start ~Stop Frequency	30MHz~1000MHz/RB 120kHz for QP

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- **Quasi-Peak Measurements below 1GHz**

1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
2. Span was set greater than 1MHz
3. RBW = as shown in the table above
4. Detector = CISPR quasi-peak
5. Sweep time = auto couple
6. Trace was allowed to stabilize

- **Peak Measurements above 1GHz**

1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
2. RBW = 1MHz
3. VBW = 3MHz
4. Detector = peak
5. Sweep time = auto couple
6. Trace mode = max hold
7. Trace was allowed to stabilize

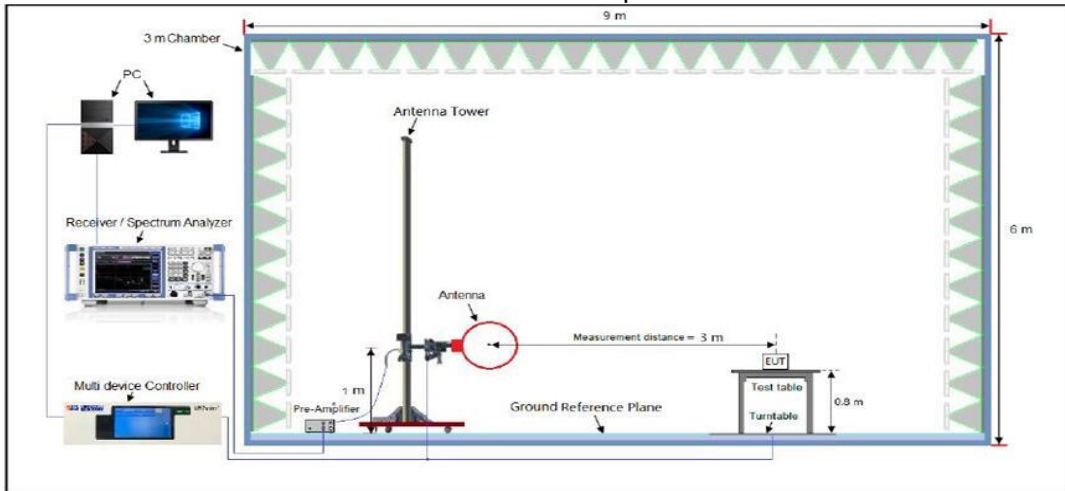
- **Average Measurements above 1GHz**

1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
2. RBW = 1MHz
3. VBW $\geq [3 \times \text{RBW}]$
4. Detector = Power averaging (rms)
5. Averaging type = power (i.e., rms)
6. Sweep time = auto
7. Perform a trace average of at least 100 traces.
8. The applicable correction factor is $[10 \cdot \log(1 / D)]$, where D is the duty cycle. The factor had been edited in the "Input Correction" of the Spectrum Analyzer.

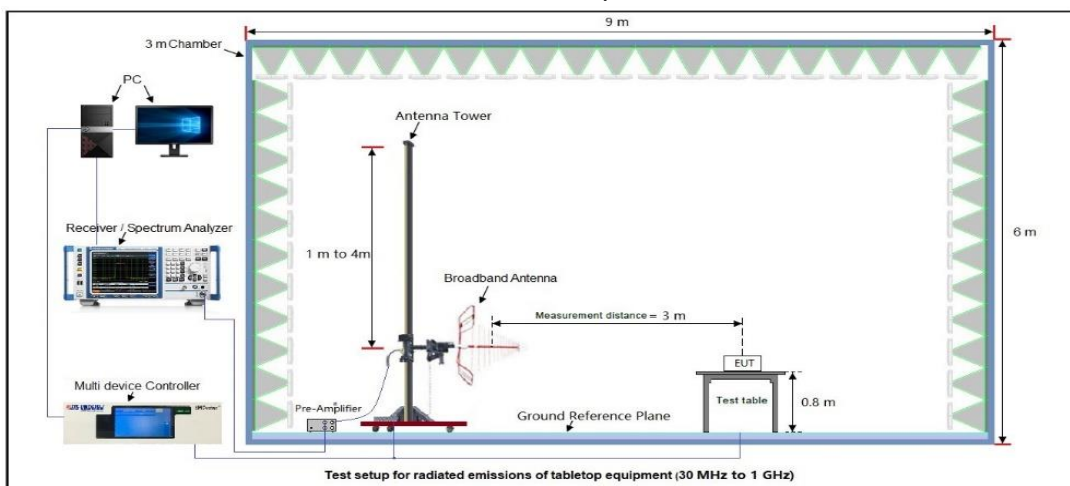
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6.3 Measurement Setup (Block Diagram of Configuration)

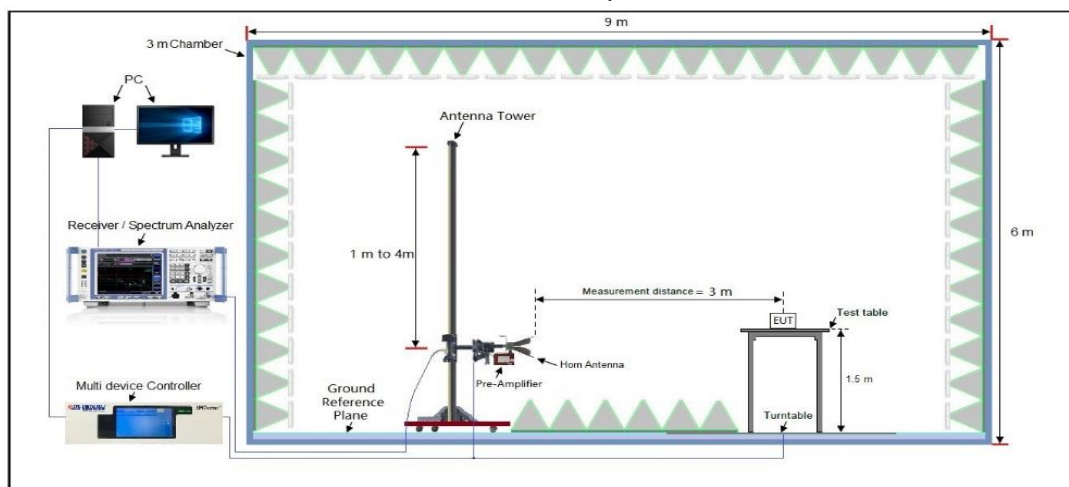
Radiated Emission Test Setup 9KHz-30MHz



Radiated Emission Test Setup 30MHz-1000MHz



Radiated Emission Test Setup Above 1000MHz



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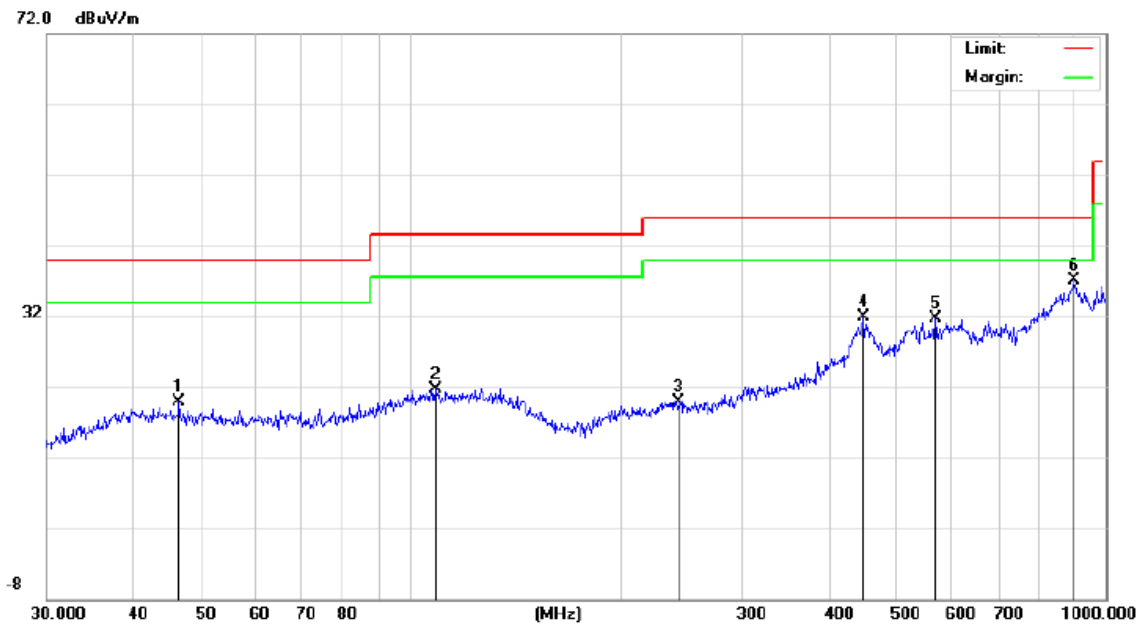
6.4 Measurement Result

Radiated Emission Below 30MHz

The amplitude of spurious emissions from 9kHz to 30MHz which are attenuated more than 20 dB below the permissible value need not be reported.

Radiated Emission Test Results at 30MHz-1GHz

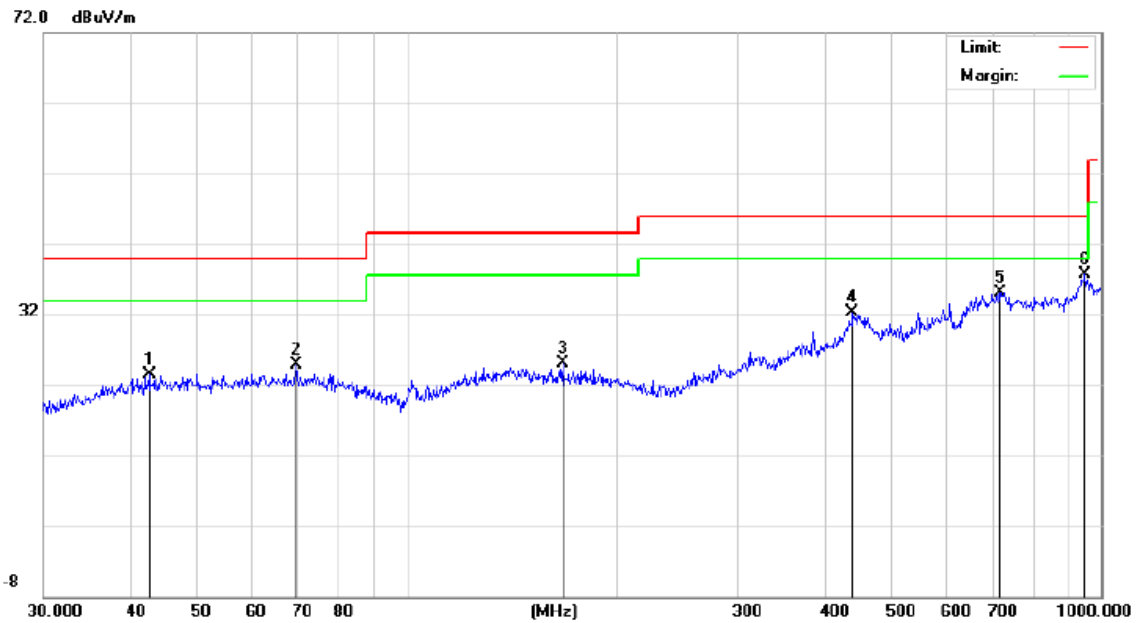
EUT Name	Wireless Headphone	Model Name	A6611L
Temperature	22.8°C	Relative Humidity	59.8%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	Mode 6	Antenna Polarity	Horizontal



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector
1		46.5030	6.42	13.44	19.86	40.00	-20.14	peak
2		108.6470	5.46	16.29	21.75	43.50	-21.75	peak
3		243.3772	4.70	15.30	20.00	46.00	-26.00	peak
4		447.9822	6.99	24.82	31.81	46.00	-14.19	peak
5		568.6127	7.43	24.24	31.67	46.00	-14.33	peak
6	*	900.1474	5.31	31.78	37.09	46.00	-8.91	peak

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Radiated Emission Test Results at 30MHz-1GHz			
EUT Name	Wireless Headphone	Model Name	A6611L
Temperature	22.8°C	Relative Humidity	59.8%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	Mode 6	Antenna Polarity	Vertical



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector
1		42.6000	6.64	16.93	23.57	40.00	-16.43	peak
2		69.3568	7.80	17.01	24.81	40.00	-15.19	peak
3		167.8243	6.82	18.32	25.14	43.50	-18.36	peak
4		438.6554	6.38	25.88	32.26	46.00	-13.74	peak
5		714.1734	6.60	28.60	35.20	46.00	-10.80	peak
6	*	948.7610	6.98	30.65	37.63	46.00	-8.37	peak

RESULT: Pass

Note: 1. Factor=Antenna Factor + Cable loss, Margin=Measurement-Limit.

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Radiated Emissions Test Results for Above 1GHz

EUT Name	Wireless Headphone	Model Name	A6611L
Temperature	22.8°C	Relative Humidity	59.8%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	Mode 1	Antenna Polarity	Horizontal

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Value Type
4804.000	48.91	0.08	48.99	74	-25.01	peak
4804.000	37.49	0.08	37.57	54	-16.43	AVG
7206.000	41.26	2.21	43.47	74	-30.53	peak
7206.000	32.65	2.21	34.86	54	-19.14	AVG

Remark:
Factor = Antenna Factor + Cable Loss – Pre-amplifier.

EUT Name	Wireless Headphone	Model Name	A6611L
Temperature	22.8°C	Relative Humidity	59.8%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	Mode 1	Antenna Polarity	Vertical

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Value Type
4804.000	48.61	0.08	48.69	74	-25.31	peak
4804.000	38.94	0.08	39.02	54	-14.98	AVG
7206.000	42.47	2.21	44.68	74	-29.32	peak
7206.000	32.16	2.21	34.37	54	-19.63	AVG

Remark:
Factor = Antenna Factor + Cable Loss – Pre-amplifier.

RESULT: Pass

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Radiated Emissions Test Results for Above 1GHz

EUT Name	Wireless Headphone	Model Name	A6611L
Temperature	22.8°C	Relative Humidity	59.8%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	Mode 2	Antenna Polarity	Horizontal

Frequency (MHz)	Meter Reading (dBµV)	Factor (dB)	Emission Level (dBµV/m)	Limits (dBµV/m)	Margin (dB)	Value Type
4880.000	48.62	0.14	48.76	74	-25.24	peak
4880.000	37.61	0.14	37.75	54	-16.25	AVG
7320.000	41.26	2.36	43.62	74	-30.38	peak
7320.000	32.69	2.36	35.05	54	-18.95	AVG

Remark:
Factor = Antenna Factor + Cable Loss – Pre-amplifier.

EUT Name	Wireless Headphone	Model Name	A6611L
Temperature	22.8°C	Relative Humidity	59.8%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	Mode 2	Antenna Polarity	Vertical

Frequency (MHz)	Meter Reading (dBµV)	Factor (dB)	Emission Level (dBµV/m)	Limits (dBµV/m)	Margin (dB)	Value Type
4880.000	48.62	0.14	48.76	74	-25.24	peak
4880.000	37.94	0.14	38.08	54	-15.92	AVG
7320.000	42.16	2.36	44.52	74	-29.48	peak
7320.000	32.35	2.36	34.71	54	-19.29	AVG

Remark:
Factor = Antenna Factor + Cable Loss – Pre-amplifier.

RESULT: Pass

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Radiated Emissions Test Results for Above 1GHz

EUT Name	Wireless Headphone	Model Name	A6611L
Temperature	22.8°C	Relative Humidity	59.8%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	Mode 3	Antenna Polarity	Horizontal

Frequency (MHz)	Meter Reading (dBµV)	Factor (dB)	Emission Level (dBµV/m)	Limits (dBµV/m)	Margin (dB)	Value Type
4960.000	48.62	0.22	48.84	74	-25.16	peak
4960.000	37.69	0.22	37.91	54	-16.09	AVG
7440.000	41.26	2.64	43.9	74	-30.1	peak
7440.000	32.65	2.64	35.29	54	-18.71	AVG

Remark:

Factor = Antenna Factor + Cable Loss – Pre-amplifier.

EUT Name	Wireless Headphone	Model Name	A6611L
Temperature	22.8°C	Relative Humidity	59.8%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	Mode 3	Antenna Polarity	Vertical

Frequency (MHz)	Meter Reading (dBµV)	Factor (dB)	Emission Level (dBµV/m)	Limits (dBµV/m)	Margin (dB)	Value Type
4960.000	49.63	0.22	49.85	74	-24.15	peak
4960.000	38.52	0.22	38.74	54	-15.26	AVG
7440.000	42.14	2.64	44.78	74	-29.22	peak
7440.000	31.26	2.64	33.9	54	-20.1	AVG

Remark:

Factor = Antenna Factor + Cable Loss – Pre-amplifier.

RESULT: Pass

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Radiated Emissions Test Results for Above 1GHz

EUT Name	Wireless Headphone	Model Name	A6611L
Temperature	22.8°C	Relative Humidity	59.8%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	Mode 4	Antenna Polarity	Horizontal

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Value Type
4804.000	48.65	0.08	48.73	74	-25.27	peak
4804.000	37.53	0.08	37.61	54	-16.39	AVG
7206.000	42.66	2.21	44.87	74	-29.13	peak
7206.000	32.29	2.21	34.5	54	-19.5	AVG

Remark:
Factor = Antenna Factor + Cable Loss – Pre-amplifier.

EUT Name	Wireless Headphone	Model Name	A6611L
Temperature	22.8°C	Relative Humidity	59.8%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	Mode 4	Antenna Polarity	Vertical

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Value Type
4804.000	47.94	0.08	48.02	74	-25.98	peak
4804.000	37.55	0.08	37.63	54	-16.37	AVG
7206.000	42.54	2.21	44.75	74	-29.25	peak
7206.000	31.68	2.21	33.89	54	-20.11	AVG

Remark:
Factor = Antenna Factor + Cable Loss – Pre-amplifier.

RESULT: Pass

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Radiated Emissions Test Results for Above 1GHz

EUT Name	Wireless Headphone	Model Name	A6611L
Temperature	22.8°C	Relative Humidity	59.8%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	Mode 5	Antenna Polarity	Horizontal

Frequency (MHz)	Meter Reading (dBµV)	Factor (dB)	Emission Level (dBµV/m)	Limits (dBµV/m)	Margin (dB)	Value Type
4882.000	47.62	0.14	47.76	74	-26.24	peak
4882.000	38.42	0.14	38.56	54	-15.44	AVG
7323.000	42.19	2.36	44.55	74	-29.45	peak
7323.000	32.35	2.36	34.71	54	-19.29	AVG

Remark:

Factor = Antenna Factor + Cable Loss – Pre-amplifier.

EUT Name	Wireless Headphone	Model Name	A6611L
Temperature	22.8°C	Relative Humidity	59.8%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	Mode 5	Antenna Polarity	Vertical

Frequency (MHz)	Meter Reading (dBµV)	Factor (dB)	Emission Level (dBµV/m)	Limits (dBµV/m)	Margin (dB)	Value Type
4882.000	48.65	0.14	48.79	74	-25.21	peak
4882.000	38.53	0.14	38.67	54	-15.33	AVG
7323.000	42.55	2.36	44.91	74	-29.09	peak
7323.000	32.47	2.36	34.83	54	-19.17	AVG

Remark:

Factor = Antenna Factor + Cable Loss – Pre-amplifier.

RESULT: Pass

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Radiated Emissions Test Results for Above 1GHz

EUT Name	Wireless Headphone	Model Name	A6611L
Temperature	22.8°C	Relative Humidity	59.8%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	Mode 6	Antenna Polarity	Horizontal

Frequency (MHz)	Meter Reading (dBµV)	Factor (dB)	Emission Level (dBµV/m)	Limits (dBµV/m)	Margin (dB)	Value Type
4960.000	48.62	0.22	48.84	74	-25.16	peak
4960.000	38.29	0.22	38.51	54	-15.49	AVG
7440.000	41.24	2.64	43.88	74	-30.12	peak
7440.000	32.43	2.64	35.07	54	-18.93	AVG

Remark:

Factor = Antenna Factor + Cable Loss – Pre-amplifier.

EUT Name	Wireless Headphone	Model Name	A6611L
Temperature	22.8°C	Relative Humidity	59.8%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	Mode 6	Antenna Polarity	Vertical

Frequency (MHz)	Meter Reading (dBµV)	Factor (dB)	Emission Level (dBµV/m)	Limits (dBµV/m)	Margin (dB)	Value Type
4960.000	47.25	0.22	47.47	74	-26.53	peak
4960.000	37.43	0.22	37.65	54	-16.35	AVG
7440.000	42.31	2.64	44.95	74	-29.05	peak
7440.000	31.59	2.64	34.23	54	-19.77	AVG

Remark:

Factor = Antenna Factor + Cable Loss – Pre-amplifier.

RESULT: Pass

Note:

1. The amplitude of other spurious emissions from 1G to 25 GHz which are attenuated more than 20 dB below the permissible value need not be reported.
2. Factor = Antenna Factor + Cable loss – Pre-amplifier gain, Margin =Emission Level-Limit.
3. The “Factor” value can be calculated automatically by software of measurement system.

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Appendix I: Photographs of Test Setup

Refer to the Report No.: AGC01110231241AP01A

Appendix II: Photographs of Test EUT

Refer to the Report No.: AGC01110231241AP02A

-----End of Report-----

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Attestation of Global Compliance(Shenzhen)Co., Ltd

Attestation of Global Compliance(Shenzhen)Std & Tech Co., Ltd

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