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# FCC Test Report

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Report No.: AGC01110240653FR02A

**FCC ID** : 2A0KB-A3874R

**APPLICATION PURPOSE** : Class II Permissive Change

**PRODUCT DESIGNATION** : Wireless Headphone

**BRAND NAME** : soundcore

**MODEL NAME** : A3874XR

**APPLICANT** : Anker Innovations Limited

**DATE OF ISSUE** : May 30, 2025

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

**REPORT VERSION** : V1.0

Attestation Of Global Compliance (Shenzhen) Co., Ltd



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### Report Revise Record

| Report Version | Revise Time | Issued Date  | Valid Version | Notes           |
|----------------|-------------|--------------|---------------|-----------------|
| V1.0           | /           | May 30, 2025 | Valid         | Initial Release |

Note: The original test report AGC01110240653FR02 (dated Aug. 09, 2024 and tested from Jul. 18, 2024 to Aug. 09, 2024) was modified on May 30, 2025, including the following changes and additions:

Change the model name.

Changed the hardware version (Its change does not affect the test results.).

Changed software version of device (Its change does not affect the test results.).

The Bluetooth chip has been replaced from WQ7035AX to WQ7035AX-B, which belong to the same series and feature identical Pin-compatibility and RF performance characteristics.

Adding MFI chips and modifying related circuit traces.

The Top layer modifies Buck circuit to improve the interference of inductor L10.

The surface of the earphone is treated with a bright finish, without changing the material.

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                   | A3874XR                                                                    |
| Date of receipt of test item | May 07, 2025                                                               |
| Date of Test                 | May 07, 2025~ May 30, 2025                                                 |
| 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



CiCi Li  
(Project Engineer)

May 30, 2025

Reviewed By



Bibo Zhang  
(Reviewer)

May 30, 2025

Approved By



Angela Li  
Authorized Officer

May 30, 2025

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## 2. Product Information

### 2.1 Product Technical Description

|                                   |                                                                                                   |
|-----------------------------------|---------------------------------------------------------------------------------------------------|
| Frequency Band                    | 2400MHz-2483.5MHz                                                                                 |
| Operation Frequency Range         | 2402MHz-2480MHz                                                                                   |
| Bluetooth Version                 | V5.4                                                                                              |
| Modulation Type                   | BLE <input checked="" type="checkbox"/> GFSK 1Mbps <input checked="" type="checkbox"/> GFSK 2Mbps |
| Number of channels                | 40                                                                                                |
| Carrier Frequency of Each Channel | 40 Channels (37 Data channels + 3 advertising channels)                                           |
| Channel Separation                | 2 MHz                                                                                             |
| Maximum Transmitter Power         | Bluetooth LE (1Mbps): 4.703dBm<br>Bluetooth LE (2Mbps): 4.690dBm                                  |
| Hardware Version                  | V4.1                                                                                              |
| Software Version                  | V02.21                                                                                            |
| Antenna Designation               | FPC Antenna                                                                                       |
| Antenna Gain                      | -1.80dBi                                                                                          |
| Power Supply                      | DC 3.8V, 70mAh by battery                                                                         |

### 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: $f = 2402 + 2 \times k$ 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-A3874R**, 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<br>D01 15.247 Meas<br>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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>15.203 requirement:</b><br>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.                                                                                                     |
| <b>15.247(b) (4) requirement:</b><br>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 |
| <b>EUT Antenna:</b><br>The non-detachable antenna inside the device cannot be replaced by the user at will. The gain of the antenna is -1.80dBi.                                                                                                                                                                                                                                                                                                                                                                                                                                     |

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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 3.8V           |

### 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 | $U_c = \pm 2.9 \text{ dB}$ |
| Uncertainty of Radiated Emission below 1GHz   | $U_c = \pm 3.9 \text{ dB}$ |
| Uncertainty of Radiated Emission above 1GHz   | $U_c = \pm 4.9 \text{ dB}$ |
| Uncertainty of total RF power, conducted      | $U_c = \pm 0.8 \text{ dB}$ |
| Uncertainty of RF power density, conducted    | $U_c = \pm 2.6 \text{ dB}$ |
| 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 checked="" type="checkbox"/> | AGC-EM-E046   | EMI Test Receiver             | R&S          | ESCI       | 10096      | 2025-01-14                | 2026-01-13                |
| <input checked="" type="checkbox"/> | AGC-EM-E061   | Spectrum Analyzer             | Agilent      | N9010A     | MY53470504 | 2025-05-08                | 2026-05-07                |
| <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     | 2025-03-14                | 2027-03-13                |
| <input checked="" type="checkbox"/> | AGC-EM-E029   | Broadband Ridged Horn Antenna | ETS          | 3117       | 00034609   | 2025-03-27                | 2026-03-26                |
| <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   | 2024-07-24                | 2026-07-23                |
| <input checked="" type="checkbox"/> | AGC-EM-A119   | 2.4G Filter                   | SongYi       | N/A        | N/A        | 2025-05-16                | 2026-05-15                |
| <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               | VRA-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  
☐ Test Accessories Come From The Manufacturer

| No. | Equipment | Manufacturer | Model No. | 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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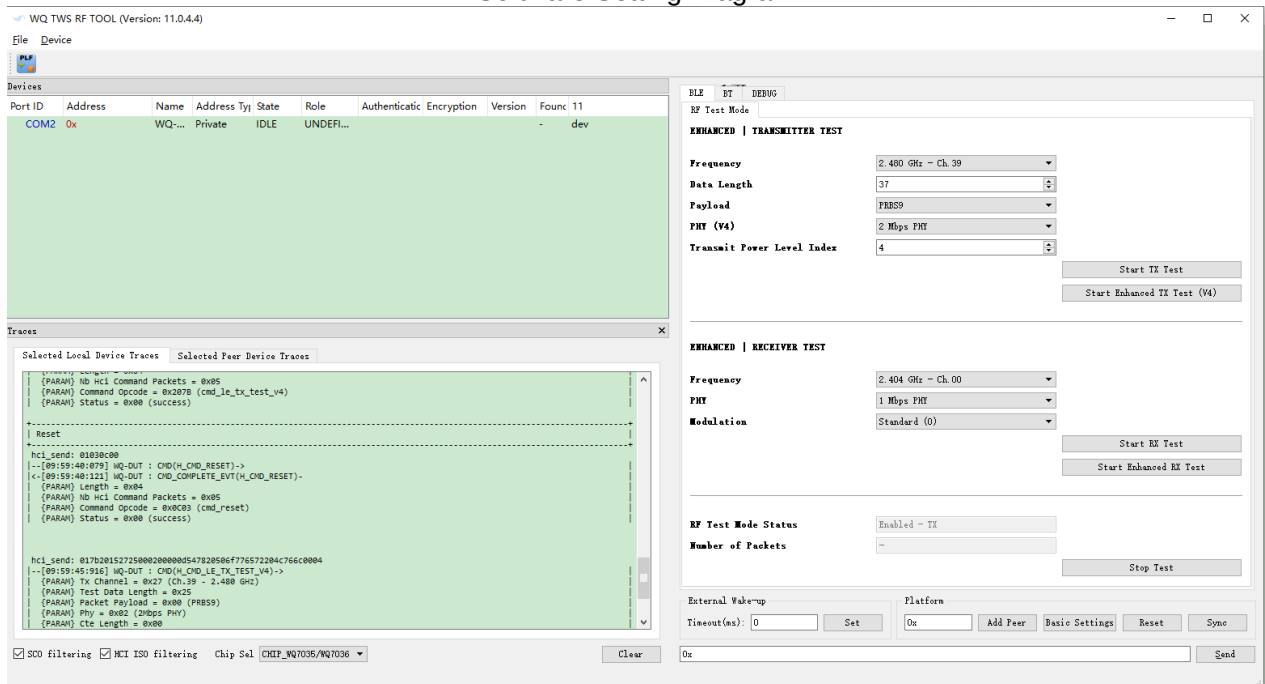
## 5. Description of Test Modes

| Summary Table of Test Cases     |                                                                                                                                                                                                                                                                                                                                                                                                       |
|---------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Test Item                       | Data Rate / Modulation                                                                                                                                                                                                                                                                                                                                                                                |
|                                 | Bluetooth – LE(1Mbps/2Mbps) / GFSK                                                                                                                                                                                                                                                                                                                                                                    |
| Radiated & Conducted Test Cases | <p>Mode 1: Bluetooth Tx CH00_2402 MHz_1Mbps(Battery powered)</p> <p>Mode 2: Bluetooth Tx CH19_2440 MHz_1Mbps(Battery powered)</p> <p>Mode 3: Bluetooth Tx CH39_2480 MHz_1Mbps(Battery powered)</p> <p>Mode 4: Bluetooth Tx CH00_2402 MHz_2Mbps(Battery powered)</p> <p>Mode 5: Bluetooth Tx CH19_2440 MHz_2Mbps(Battery powered)</p> <p>Mode 6: Bluetooth Tx CH39_2480 MHz_2Mbps(Battery powered)</p> |
| AC Conducted Emission           | Not applicable                                                                                                                                                                                                                                                                                                                                                                                        |

### 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



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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<br>(MHz) | Field Strength<br>(microvolts/meter) | Measurement Distance<br>(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<br>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

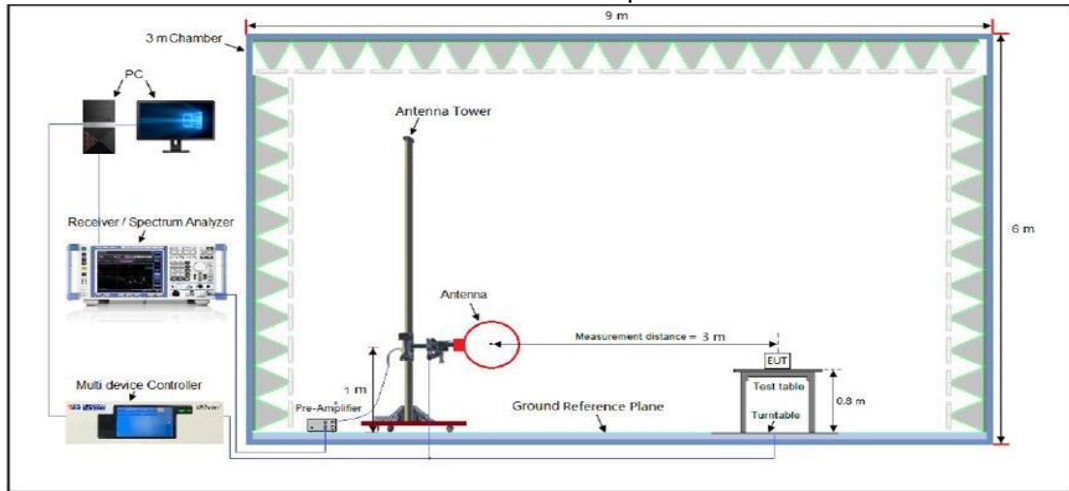
- **Average Measurements above 1GHz**

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.

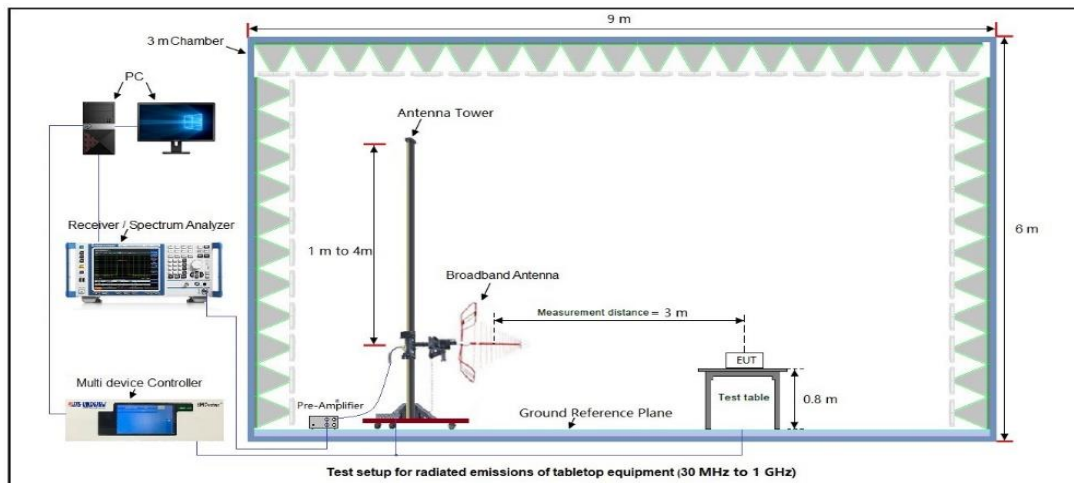
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### 6.3 Measurement Setup (Block Diagram of Configuration)

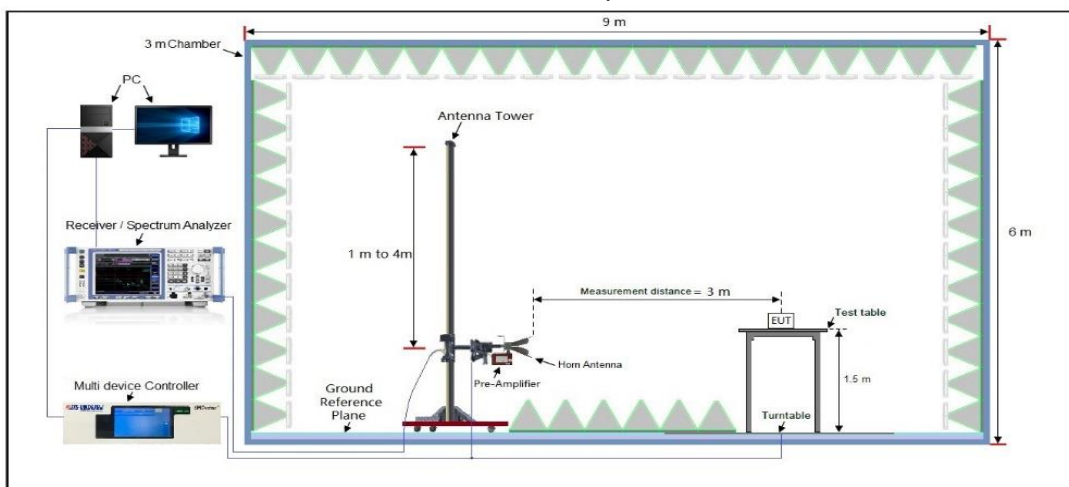
Radiated Emission Test Setup 9kHz-30MHz



Radiated Emission Test Setup 30MHz-1000MHz



Radiated Emission Test Setup Above 1000MHz



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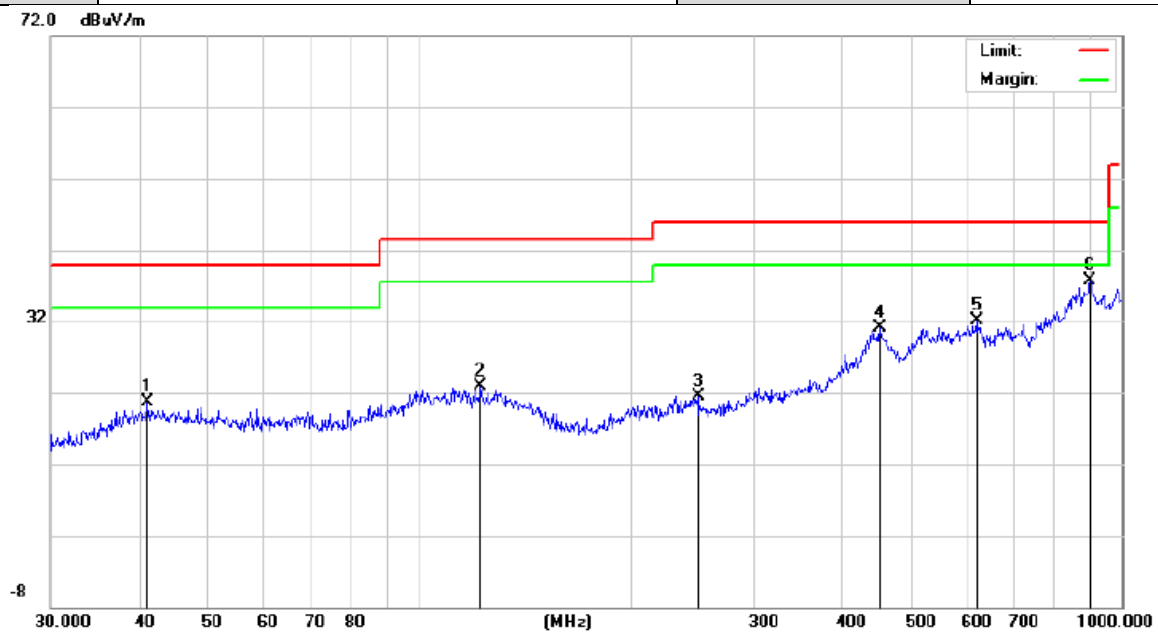
## 6.4 Measurement Result

### 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**

|                    |                    |                          |                |
|--------------------|--------------------|--------------------------|----------------|
| <b>EUT Name</b>    | Wireless Headphone | <b>Model Name</b>        | A3874XR        |
| <b>Temperature</b> | 23.5℃              | <b>Relative Humidity</b> | 58.5%          |
| <b>Pressure</b>    | 960hPa             | <b>Test Voltage</b>      | Normal Voltage |
| <b>Test Mode</b>   | Mode 1             | <b>Antenna Polarity</b>  | Horizontal     |



| No. | Mk. | Freq.<br>MHz | Reading<br>Level<br>dBuV | Correct<br>Factor<br>dB | Measure-<br>ment<br>dBuV/m | Limit<br>dBuV/m | Over<br>dB | Detector |
|-----|-----|--------------|--------------------------|-------------------------|----------------------------|-----------------|------------|----------|
| 1   |     | 41.1320      | 6.94                     | 13.82                   | 20.76                      | 40.00           | -19.24     | peak     |
| 2   |     | 122.4040     | 6.59                     | 16.26                   | 22.85                      | 43.50           | -20.65     | peak     |
| 3   |     | 249.4250     | 6.48                     | 15.12                   | 21.60                      | 46.00           | -24.40     | peak     |
| 4   |     | 452.7197     | 6.42                     | 24.65                   | 31.07                      | 46.00           | -14.93     | peak     |
| 5   |     | 620.7096     | 6.94                     | 25.13                   | 32.07                      | 46.00           | -13.93     | peak     |
| 6   | *   | 900.1474     | 5.87                     | 31.78                   | 37.65                      | 46.00           | -8.35      | peak     |

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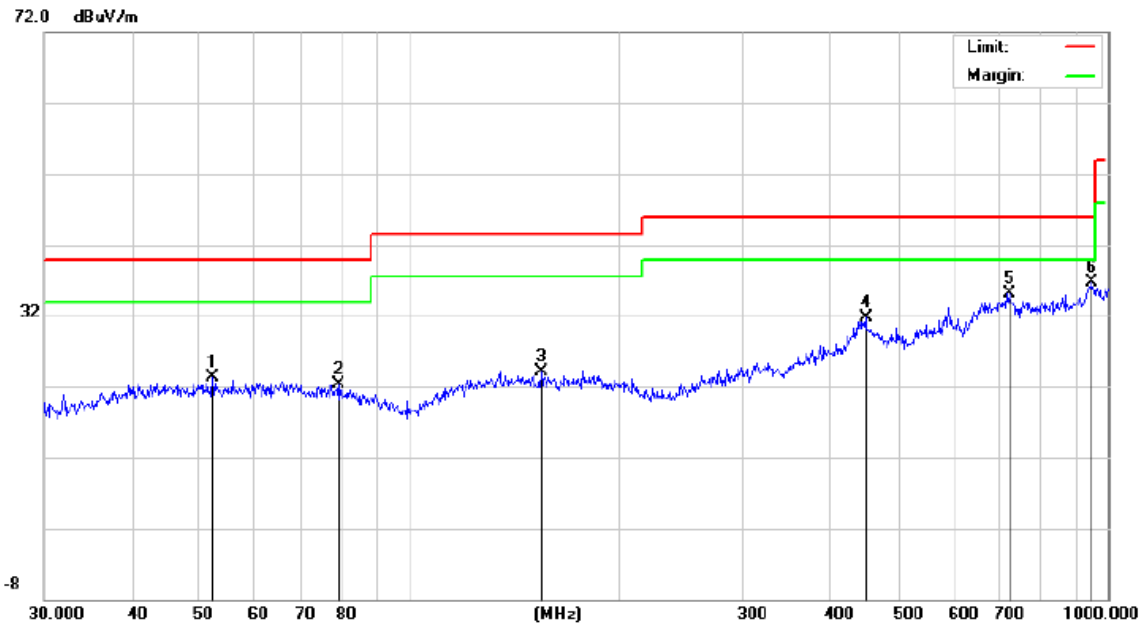
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### Radiated Emission Test Results at 30MHz-1GHz

|                    |                    |                          |                |
|--------------------|--------------------|--------------------------|----------------|
| <b>EUT Name</b>    | Wireless Headphone | <b>Model Name</b>        | A3874XR        |
| <b>Temperature</b> | 23.5℃              | <b>Relative Humidity</b> | 58.5%          |
| <b>Pressure</b>    | 960hPa             | <b>Test Voltage</b>      | Normal Voltage |
| <b>Test Mode</b>   | Mode 1             | <b>Antenna Polarity</b>  | Vertical       |



| No. | Mk. | Freq.<br>MHz | Reading<br>Level<br>dBuV | Correct<br>Factor<br>dB | Measure-<br>ment<br>dBuV/m | Limit<br>dBuV/m | Over<br>dB | Detector |
|-----|-----|--------------|--------------------------|-------------------------|----------------------------|-----------------|------------|----------|
| 1   |     | 52.2079      | 6.25                     | 17.02                   | 23.27                      | 40.00           | -16.73     | peak     |
| 2   |     | 79.2426      | 5.41                     | 16.91                   | 22.32                      | 40.00           | -17.68     | peak     |
| 3   |     | 154.2786     | 5.93                     | 18.20                   | 24.13                      | 43.50           | -19.37     | peak     |
| 4   |     | 449.5558     | 6.03                     | 25.67                   | 31.70                      | 46.00           | -14.30     | peak     |
| 5   |     | 721.7259     | 6.42                     | 28.64                   | 35.06                      | 46.00           | -10.94     | peak     |
| 6   | *   | 945.4399     | 5.83                     | 30.78                   | 36.61                      | 46.00           | -9.39      | peak     |

### RESULT: Pass

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

2. All test modes had been pre-tested. The mode 1 is the worst case and recorded in the report.

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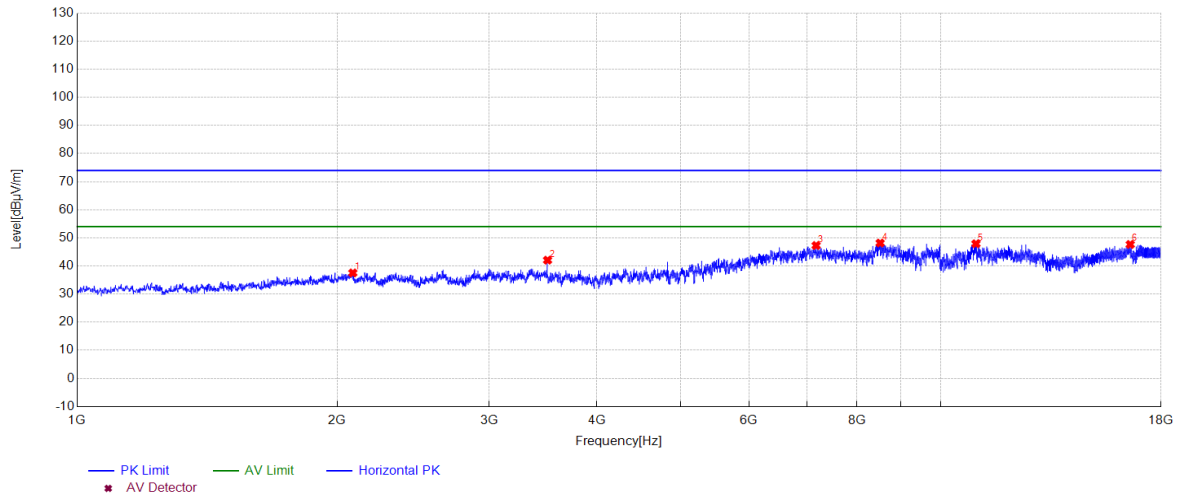
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### Radiated Emissions Test Results for Above 1GHz

|             |                    |                   |                    |
|-------------|--------------------|-------------------|--------------------|
| EUT Name    | Wireless Headphone | Model Name        | A3874XR            |
| Temperature | 22.4℃              | Relative Humidity | 53.8%              |
| Pressure    | 960hPa             | Test Voltage      | DC 3.8V by battery |
| Test Mode   | Mode 1             | Antenna Polarity  | Horizontal         |



| PK Data List |              |                |             |                |             |             |           |            |
|--------------|--------------|----------------|-------------|----------------|-------------|-------------|-----------|------------|
| NO.          | Freq. [MHz]  | Level [dBμV/m] | Factor [dB] | Limit [dBμV/m] | Margin [dB] | Height [cm] | Angle [°] | Polarity   |
| 1            | 2085.80572   | 37.52          | -13.93      | 74.00          | 36.48       | 150         | 138       | Horizontal |
| 2            | 3505.967065  | 42.07          | -11.11      | 74.00          | 31.93       | 150         | 6         | Horizontal |
| 3            | 7174.811654  | 47.27          | -3.61       | 74.00          | 26.73       | 150         | 231       | Horizontal |
| 4            | 8511.10074   | 48.16          | -2.01       | 74.00          | 25.84       | 150         | 41        | Horizontal |
| 5            | 10988.732582 | 47.90          | 3.94        | 74.00          | 26.10       | 150         | 254       | Horizontal |
| 6            | 16580.972065 | 47.66          | 5.30        | 74.00          | 26.34       | 150         | 162       | Horizontal |

**RESULT: Pass**

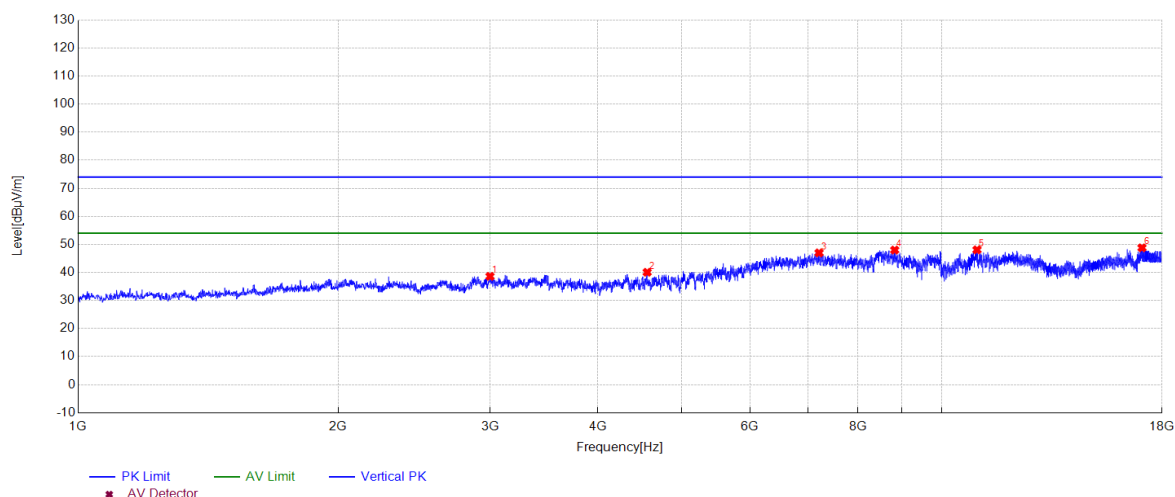
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|             |                    |                   |                    |
|-------------|--------------------|-------------------|--------------------|
| EUT Name    | Wireless Headphone | Model Name        | A3874XR            |
| Temperature | 22.4℃              | Relative Humidity | 53.8%              |
| Pressure    | 960hPa             | Test Voltage      | DC 3.8V by battery |
| Test Mode   | Mode 1             | Antenna Polarity  | Vertical           |



| PK Data List |              |                |             |                |             |             |           |          |
|--------------|--------------|----------------|-------------|----------------|-------------|-------------|-----------|----------|
| NO.          | Freq. [MHz]  | Level [dBμV/m] | Factor [dB] | Limit [dBμV/m] | Margin [dB] | Height [cm] | Angle [°] | Polarity |
| 1            | 2999.333289  | 38.60          | -12.07      | 74.00          | 35.40       | 150         | 354       | Vertical |
| 2            | 4560.037336  | 40.05          | -9.40       | 74.00          | 33.95       | 150         | 4         | Vertical |
| 3            | 7212.214148  | 46.97          | -3.62       | 74.00          | 27.03       | 150         | 359       | Vertical |
| 4            | 8823.921595  | 47.98          | -2.11       | 74.00          | 26.02       | 150         | 19        | Vertical |
| 5            | 10989.865991 | 48.05          | 3.94        | 74.00          | 25.95       | 150         | 305       | Vertical |
| 6            | 17063.804254 | 48.77          | 5.56        | 74.00          | 25.23       | 150         | 317       | Vertical |

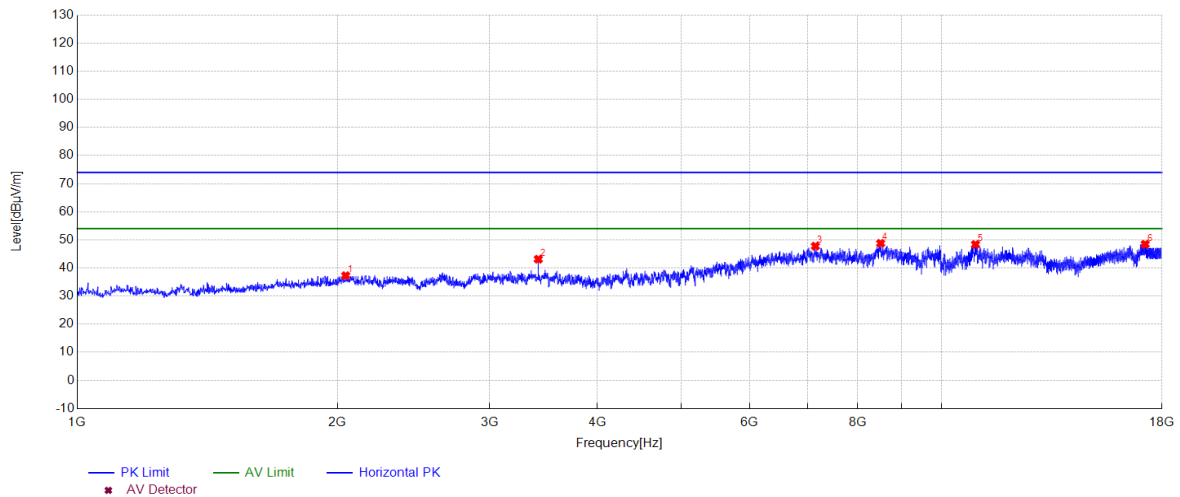
## RESULT: Pass

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### Radiated Emissions Test Results for Above 1GHz

|             |                    |                   |                    |
|-------------|--------------------|-------------------|--------------------|
| EUT Name    | Wireless Headphone | Model Name        | A3874XR            |
| Temperature | 22.4℃              | Relative Humidity | 53.8%              |
| Pressure    | 960hPa             | Test Voltage      | DC 3.8V by battery |
| Test Mode   | Mode 2             | Antenna Polarity  | Horizontal         |



#### PK Data List

| NO. | Freq. [MHz]  | Level [dBμV/m] | Factor [dB] | Limit [dBμV/m] | Margin [dB] | Height [cm] | Angle [°] | Polarity   |
|-----|--------------|----------------|-------------|----------------|-------------|-------------|-----------|------------|
| 1   | 2045.003     | 37.26          | -14.06      | 74.00          | 36.74       | 150         | 240       | Horizontal |
| 2   | 3416.427762  | 43.12          | -11.27      | 74.00          | 30.88       | 150         | 344       | Horizontal |
| 3   | 7147.609841  | 47.76          | -3.60       | 74.00          | 26.24       | 150         | 96        | Horizontal |
| 4   | 8505.433696  | 48.77          | -2.00       | 74.00          | 25.23       | 150         | 337       | Horizontal |
| 5   | 10952.463498 | 48.37          | 3.78        | 74.00          | 25.63       | 150         | 206       | Horizontal |
| 6   | 17213.414228 | 48.45          | 5.31        | 74.00          | 25.55       | 150         | 6         | Horizontal |

### RESULT: Pass

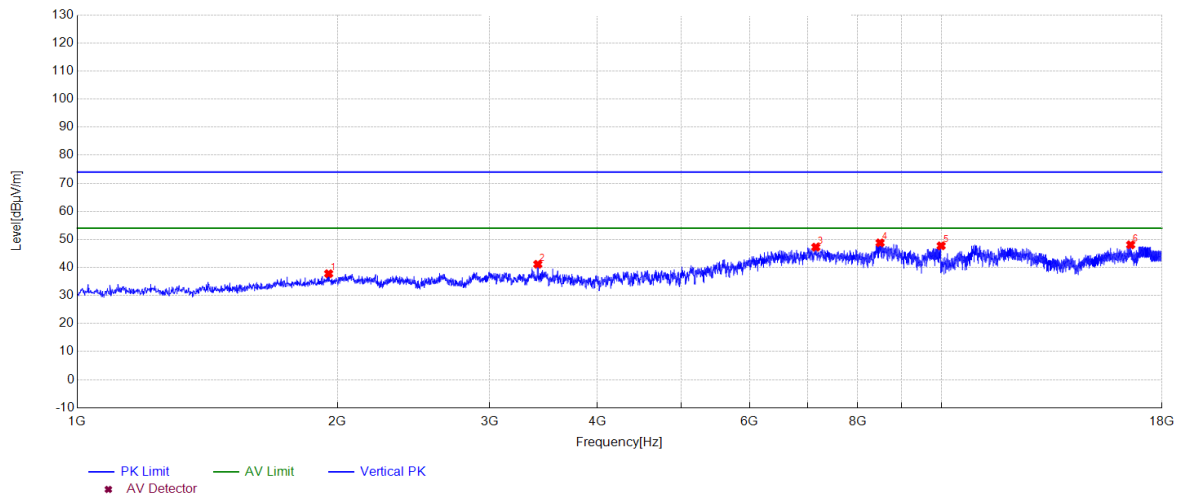
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|             |                    |                   |                    |
|-------------|--------------------|-------------------|--------------------|
| EUT Name    | Wireless Headphone | Model Name        | A3874XR            |
| Temperature | 22.4°C             | Relative Humidity | 53.8%              |
| Pressure    | 960hPa             | Test Voltage      | DC 3.8V by battery |
| Test Mode   | Mode 2             | Antenna Polarity  | Vertical           |



#### PK Data List

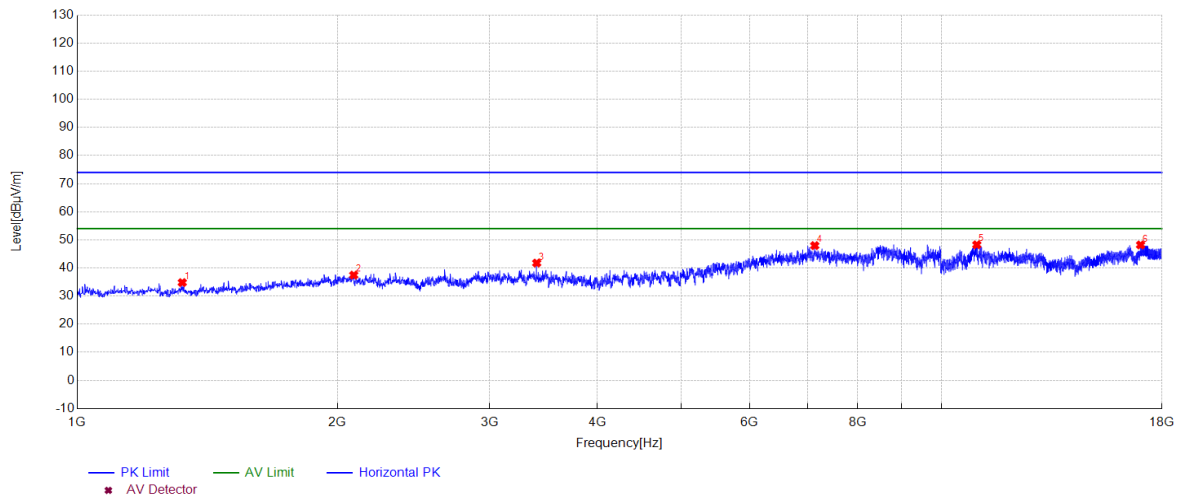
| NO. | Freq. [MHz]  | Level [dBμV/m] | Factor [dB] | Limit [dBμV/m] | Margin [dB] | Height [cm] | Angle [°] | Polarity |
|-----|--------------|----------------|-------------|----------------|-------------|-------------|-----------|----------|
| 1   | 1954.330289  | 37.77          | -14.54      | 74.00          | 36.23       | 150         | 192       | Vertical |
| 2   | 3411.894126  | 41.13          | -11.28      | 74.00          | 32.87       | 150         | 296       | Vertical |
| 3   | 7156.677112  | 47.22          | -3.60       | 74.00          | 26.78       | 150         | 221       | Vertical |
| 4   | 8492.966198  | 48.77          | -2.03       | 74.00          | 25.23       | 150         | 76        | Vertical |
| 5   | 9993.599573  | 47.71          | 0.88        | 74.00          | 26.29       | 150         | 100       | Vertical |
| 6   | 16559.437296 | 48.07          | 5.29        | 74.00          | 25.93       | 150         | 48        | Vertical |

#### RESULT: Pass

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### Radiated Emissions Test Results for Above 1GHz

|                    |                    |                          |                    |
|--------------------|--------------------|--------------------------|--------------------|
| <b>EUT Name</b>    | Wireless Headphone | <b>Model Name</b>        | A3874XR            |
| <b>Temperature</b> | 22.4℃              | <b>Relative Humidity</b> | 53.8%              |
| <b>Pressure</b>    | 960hPa             | <b>Test Voltage</b>      | DC 3.8V by battery |
| <b>Test Mode</b>   | Mode 3             | <b>Antenna Polarity</b>  | Horizontal         |



#### PK Data List

| NO. | Freq. [MHz]  | Level [dBμV/m] | Factor [dB] | Limit [dBμV/m] | Margin [dB] | Height [cm] | Angle [°] | Polarity   |
|-----|--------------|----------------|-------------|----------------|-------------|-------------|-----------|------------|
| 1   | 1323.021535  | 34.81          | -17.99      | 74.00          | 39.19       | 150         | 308       | Horizontal |
| 2   | 2089.205947  | 37.45          | -13.91      | 74.00          | 36.55       | 150         | 68        | Horizontal |
| 3   | 3401.693446  | 41.75          | -11.30      | 74.00          | 32.25       | 150         | 320       | Horizontal |
| 4   | 7136.275752  | 47.95          | -3.59       | 74.00          | 26.05       | 150         | 198       | Horizontal |
| 5   | 10989.865991 | 48.24          | 3.94        | 74.00          | 25.76       | 150         | 360       | Horizontal |
| 6   | 17002.600173 | 48.19          | 5.67        | 74.00          | 25.81       | 150         | 359       | Horizontal |

**RESULT: Pass**

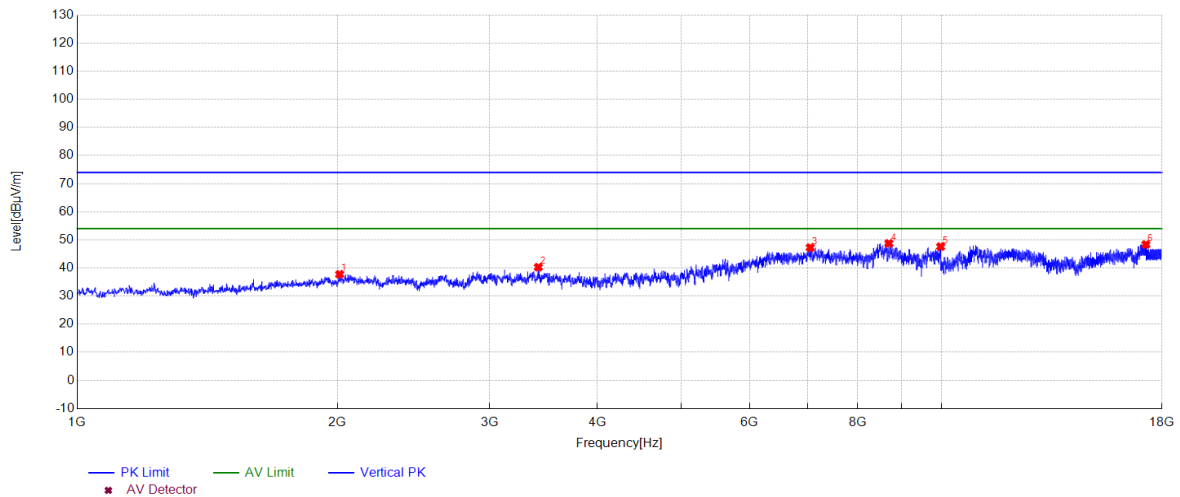
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|                    |                    |                          |                    |
|--------------------|--------------------|--------------------------|--------------------|
| <b>EUT Name</b>    | Wireless Headphone | <b>Model Name</b>        | A3874XR            |
| <b>Temperature</b> | 22.4℃              | <b>Relative Humidity</b> | 53.8%              |
| <b>Pressure</b>    | 960hPa             | <b>Test Voltage</b>      | DC 3.8V by battery |
| <b>Test Mode</b>   | Mode 3             | <b>Antenna Polarity</b>  | Vertical           |



#### PK Data List

| NO. | Freq. [MHz]  | Level [dBμV/m] | Factor [dB] | Limit [dBμV/m] | Margin [dB] | Height [cm] | Angle [°] | Polarity |
|-----|--------------|----------------|-------------|----------------|-------------|-------------|-----------|----------|
| 1   | 2012.134142  | 37.74          | -14.16      | 74.00          | 36.26       | 150         | 250       | Vertical |
| 2   | 3416.427762  | 40.26          | -11.27      | 74.00          | 33.74       | 150         | 298       | Vertical |
| 3   | 7050.136676  | 47.25          | -3.56       | 74.00          | 26.75       | 150         | 359       | Vertical |
| 4   | 8694.712981  | 48.75          | -2.06       | 74.00          | 25.25       | 150         | 221       | Vertical |
| 5   | 9979.998667  | 47.60          | 0.80        | 74.00          | 26.40       | 150         | 359       | Vertical |
| 6   | 17244.016268 | 48.33          | 5.26        | 74.00          | 25.67       | 150         | 180       | Vertical |

## RESULT: Pass

### Note:

- The amplitude of other spurious emissions from 18G to 25 GHz which are attenuated more than 20 dB below the permissible value need not be reported.
- Factor = Antenna Factor + Cable loss – Pre-amplifier gain, Margin =Emission Level-Limit.
- The “Factor” value can be calculated automatically by software of measurement system.
- All test modes had been tested. The BLE GFSK 1Mbps modulation is the worst case and recorded in the report.

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### **Appendix I: Photographs of Test Setup**

Refer to the Report No.: AGC01110240653AP01A

### **Appendix II: Photographs of Test EUT**

Refer to the Report No.: AGC01110240653AP02A

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## Conditions of Issuance of Test Reports

1. All samples and goods are accepted by the Attestation of Global Compliance (Shenzhen) Co., Ltd (the "Company") solely for testing and reporting in accordance with the following terms and conditions. The company provides its services on the basis that such terms and conditions constitute express agreement between the company and any person, firm or company requesting its services (the "Clients").
2. Any report issued by Company as a result of this application for testing services (the "Report") shall be issued in confidence to the Clients and the Report will be strictly treated as such by the Company. It may not be reproduced either in its entirety or in part and it may not be used for advertising or other unauthorized purposes without the written consent of the Company. The Clients to whom the Report is issued may, however, show or send it, or a certified copy thereof prepared by the Company to its customer, supplier or other persons directly concerned. The Company will not, without the consent of the Clients, enter into any discussion or correspondence with any third party concerning the contents of the Report, unless required by the relevant governmental authorities, laws or court orders.
3. The Company shall not be called or be liable to be called to give evidence or testimony on the Report in a court of law without its prior written consent, unless required by the relevant governmental authorities, laws or court orders.
4. In the event of the improper use of the report as determined by the Company, the Company reserves the right to withdraw it, and to adopt any other additional remedies which may be appropriate.
5. Samples submitted for testing are accepted on the understanding that the Report issued cannot form the basis of, or be the instrument for, any legal action against the Company.
6. The Company will not be liable for or accept responsibility for any loss or damage however arising from the use of information contained in any of its Reports or in any communication whatsoever about its said tests or investigations.
7. Clients wishing to use the Report in court proceedings or arbitration shall inform the Company to that effect prior to submitting the sample for testing.
8. The Company is not responsible for recalling the electronic version of the original report when any revision is made to them. The Client assumes the responsibility to providing the revised version to any interested party who uses them.
9. Subject to the variable length of retention time for test data and report stored hereinto as otherwise specifically required by individual accreditation authorities, the Company will only keep the supporting test data and information of the test report for a period of six years. The data and information will be disposed of after the aforementioned retention period has elapsed. Under no circumstances shall we provide any data and information which has been disposed of after retention period. Under no circumstances shall we be liable for damage of any kind, including (but not limited to) compensatory damages, lost profits, lost data, or any form of special, incidental, indirect, consequential or punitive damages of any kind, whether based on breach of contract of warranty, tort (including negligence), product liability or otherwise, even if we are informed in advance of the possibility of such damages.

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

Any report having not been signed by authorized approver, or having been altered without authorization, or having not been stamped by the "Dedicated Testing/Inspection Stamp" is deemed to be invalid. Copying or excerpting portion of, or altering the content of the report is not permitted without the written authorization of AGC. The test results presented in the report apply only to the tested sample. Any objections to report issued by AGC should be submitted to AGC within 15days after the issuance of the test report. Further enquiry of validity or verification of the test report should be addressed to AGC by [agc01@agccert.com](mailto:agc01@agccert.com).

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