
FCC Test Report

Report No.: AGC01110250452FR02B

FCC ID : 2AOKB-D1301E

APPLICATION PURPOSE : Class II Permissive Change

PRODUCT DESIGNATION : Wireless Headphone

BRAND NAME : soundcore

MODEL NAME : D1301

APPLICANT : Anker Innovations Limited

DATE OF ISSUE : Nov. 03, 2025

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

REPORT VERSION : V1.0

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Report Revise Record

Report Version	Revise Time	Issued Date	Valid Version	Notes
V1.0	/	Nov. 03, 2025	Valid	Initial Release

Note: The original test report AGC01110250452FR02A (dated Jul. 24, 2025 and tested from Jul. 07, 2025 – Jul. 23, 2025) was modified on Nov. 03, 2025, including the following changes and additions:

- Remove the 0-ohm resistors at R8 and R16 on the R-side mainboard to avoid the stress area.
- Change the positive pad and layout on the L and R sides to a teardrop design to prevent trace breakage.
- Add internal traces to the positive and negative terminals on the L side to prevent trace breakage.

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	D1301
Series Model(s)	N/A
Difference Description	N/A
Date of receipt of test item	Sep. 12, 2025
Date of Test	Sep. 12, 2025 – Oct. 31, 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-BR_EDR-V1

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

Prepared By



CiCi Li
(Project Engineer)

Nov. 03, 2025

Reviewed By



Bibo Zhang
(Reviewer)

Nov. 03, 2025

Approved By



Angela Li
Authorized Officer

Nov. 03, 2025

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2. Product Information

2.1 Product Technical Description

Technology Type	Classic Bluetooth
Frequency Band	2400M-2483.5MHz
Operation Frequency Range	2402MHz-2480MHz
Bluetooth Version	V5.4
Modulation Type	BR ☒GFSK, EDR ☒π /4-DQPSK, ☒8DPSK
Number of channels	79 of Channels
Channel Separation	1 MHz
Maximum Transmitter Power	Left earphone:13.219dBm Right earphone:12.101dBm
Hardware Version	D1_V1.0
Software Version	V01.04
Antenna Designation	LDS Antenna
Antenna Gain	Left earphone: -3.0dBi Right earphone: -3.3dBi
Power Supply	DC 3.91V by battery
Note: The EUT comprises left and right channel earphones, both are the same in SCH but different in the PCB Layout.	

2.2 Test Frequency List

Frequency Band	Channel Number	Test Frequency
2400~2483.5MHz	0	2402 MHz
	1	2403 MHz
	:	:
	39	2441MHz
	:	:
	77	2479 MHz
	78	2480 MHz
Note: $f = 2402 + 1 \cdot k$ MHz, $k=0, \dots, 78$; “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-D1301E, 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 Receiver Input Bandwidth

The input bandwidth of the receiver is 1.3MHz, in every connection one Bluetooth device is the master and the other one is slave. The master determines the hopping sequence. The slave follows this sequence. Both devices shift between RX and TX time slot according to the clock of the master. Additionally, the type of connection (e.g. single or multi slot packet) is set up at the beginning of the connection. The master adapts its hopping frequency and its TX/RX timing according to the packet type of the connection. Also, the slave of the connection will use these settings. Repeating of a packet has no influence on the hopping sequence. The hopping sequence generated by the master of the connection will be followed in any case. That means, a repeated packet will not be send on the same frequency, it is send on the next frequency of the hopping sequence.

2.6 Equally Average Use of Frequencies and Behaviour.

The generation of the hopping sequence in connection mode depends essentially on two input values:

1. LAP/UAP of the master of the connection.
2. Internal master clock.

The LAP (lower address part) are the 24 LSB's of the 48 BD_ADDRESS. The BD_ADDRESS is an unambiguous number of every Bluetooth unit. The UAP (upper address part) are the 24MSB's of the 48BD_ADDRESS

The internal clock of a Bluetooth unit is derived from a free running clock which is never adjusted and is never turned off. For behavior action with other units only offset is used. It has no relation to the time of the day. Its resolution is at least half the RX/TX slot length of 312.5us. The clock has a cycle of about one day(23h30).

In most case it is implemented as 28 bits counter. For the deriving of the hopping sequence the entire. LAP (24 bits),4LSB's(4bits) (Input 1) and the 27MSB's of the clock (Input 2) are used. With this input values different mathematical procedures (permutations, additions, XOR-operations) are performed to generate the Sequence. This will be done at the beginning of every new transmission.

Regarding short transmissions the Bluetooth system has the following behavior:

The first connection between the two devices is established, a hopping sequence was generated. For Transmitting the wanted data the complete hopping sequence was not used. The connection ended.

The second connection will be established. A new hopping sequence is generated. Due to the fact the Bluetooth clock has a different value, because the period between the two transmission is longer (and it Cannot be shorter) than the minimum resolution of the clock(312.5us). The hopping sequence will always differ from the first one.

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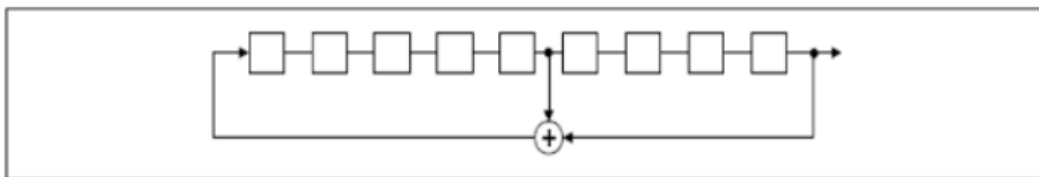
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2.7 Pseudorandom Frequency Hopping Sequence

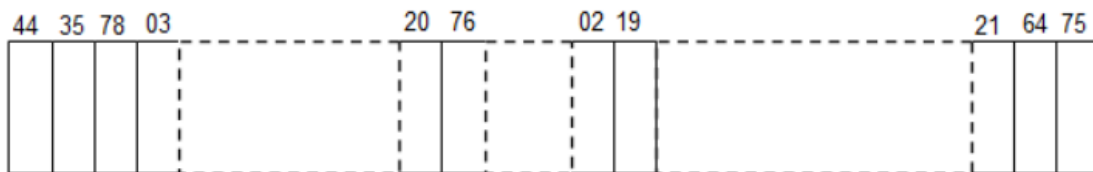
The pseudorandom sequence may be generated in a nine-stage shift register whose 5th and 9th stage outputs are added in a modulo-two addition stage. And the result is fed back to the input of the first stage. The sequence begins with the first ONE of 9 consecutive ONES; i.e. the shift register is initialized with nine ones.

- Number of shift register stages: 9
- Length of pseudo-random sequence: $2^9 - 1 = 511$ bits
- Longest sequence of zeros: 8 (non-inverted signal)



Linear Feedback Shift Register for Generation of The PRBS Sequence

An example of Pseudorandom Frequency Hopping Sequence as follow:



Each frequency used equally on the average by each transmitter.

The system receivers have input bandwidths that match the hopping channel bandwidths of their Corresponding transmitters and shift frequencies in synchronization with the transmitted signals.

2.8 Special Accessories

Not available for this EUT intended for grant.

2.9 Equipment Modifications

Not available for this EUT intended for grant.

2.10 Antenna Requirement

Standard Requirement
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. 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
EUT Antenna
The non-detachable antenna inside the device cannot be replaced by the user at will. The gain of the left earphone antenna is -3.0dBi. The gain of the Right earphone antenna is -3.3dBi.

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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 3.91V

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	$U_c = \pm 2 \%$
Uncertainty of Dwell Time	$U_c = \pm 2 \%$

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3.5 List of Equipment Used

● 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)
☒	AGC-EM-E046	EMI Test Receiver	R&S	ESCI	10096	2025-01-14	2026-01-13
☒	AGC-EM-E061	Spectrum Analyzer	Agilent	N9010A	MY53470504	2025-05-08	2026-05-07
☒	AGC-EM-E086	Loop Antenna	ZHINAN	ZN30900C	18051	2024-03-05	2026-03-04
☒	AGC-EM-E001	Wideband Antenna	SCHWARZBECK	VULB9168	D69250	2025-03-14	2027-03-13
☒	AGC-EM-E029	Broadband Ridged Horn Antenna	ETS	3117	00034609	2025-03-27	2026-03-26
☒	AGC-EM-E082	Horn Antenna	SCHWARZBECK	BBHA 9170	#768	2023-09-24	2025-09-23
☒	AGC-EM-E082	Horn Antenna	SCHWARZBECK	BBHA 9170	#768	2025-09-10	2027-09-09
☒	AGC-EM-E146	Pre-amplifier	ETS	3117-PA	00246148	2024-07-24	2026-07-23
☒	AGC-EM-A119	2.4G Filter	SongYi	N/A	N/A	2025-05-16	2026-05-15
☒	AGC-EM-A138	6dB Attenuator	Eeatsheep	LM-XX-6-5W	N/A	2025-05-16	2027-05-15
☐	AGC-EM-A139	6dB Attenuator	Eeatsheep	LM-XX-6-5W	N/A	2025-05-16	2027-05-15

● Test Software					
Used	Equipment No.	Test Equipment	Manufacturer	Model No.	Version Information
☒	AGC-EM-S003	RE Test System	FARA	EZ-EMC	VRA-03A
☐	AGC-EM-S004	RE Test System	Tonscend	TS+Ver2.1(JS32-RE)	4.0.0.0
☒	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

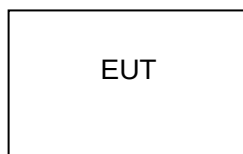
The EUT configuration for testing is installed on RF field strength measurement to meet the Commission's requirement and operating in a manner which intends to maximize its emission characteristics in a continuous normal application.

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	Manufacturer	Model No.	Specification Information	Cable
1	Control Box	RISYM	USB-TTL	--	--
2	Redmi Notebook PC	Redmi	XMA2002-AB	1.2m,unshielded	--

☐ 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 Spurious Emission	Pass

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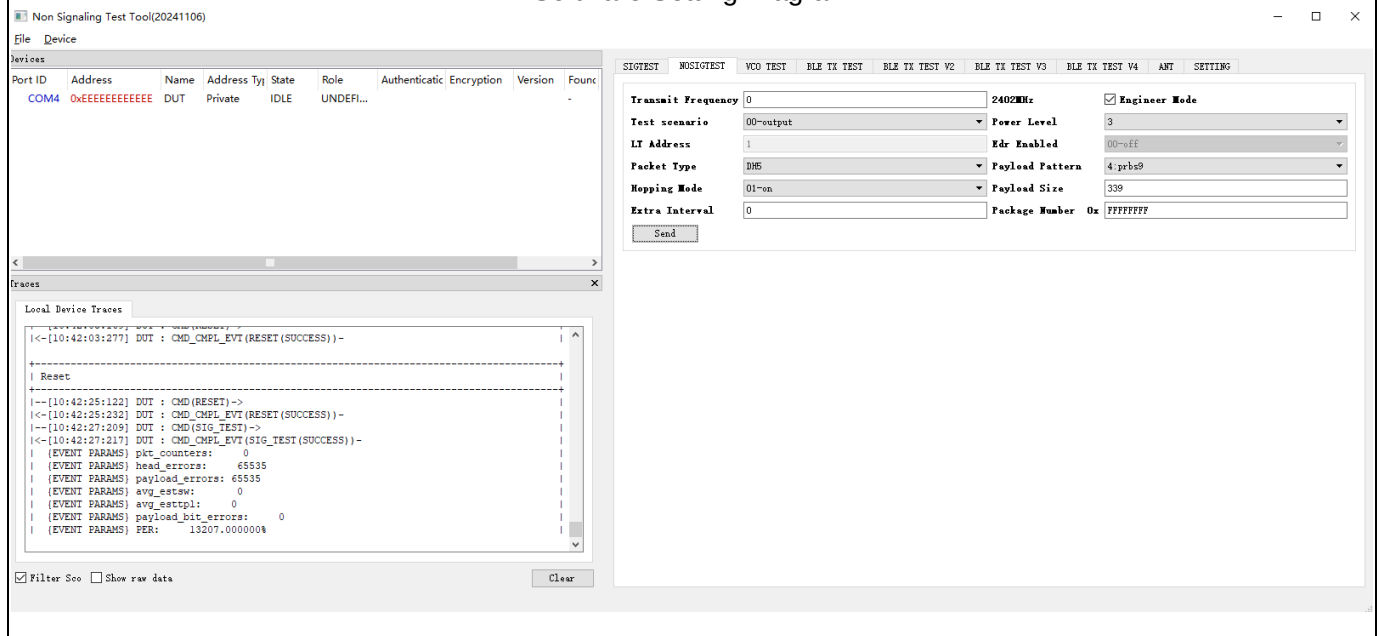
5. Description of Test Modes

Summary table of Test Cases	
Test Item	Data Rate / Modulation
	Bluetooth – BR_EDR (GFSK/π /4-DQPSK/8DPSK)
Radiated & Conducted Test Cases	Mode 1: Bluetooth Tx CH00_2402 MHz_1Mbps (Battery powered)
	Mode 2: Bluetooth Tx CH39_2441 MHz_1Mbps (Battery powered)
	Mode 3: Bluetooth Tx CH78_2480 MHz_1Mbps (Battery powered)
	Mode 4: Bluetooth Tx CH00_2402 MHz_2Mbps (Battery powered)
	Mode 5: Bluetooth Tx CH39_2441 MHz_2Mbps (Battery powered)
	Mode 6: Bluetooth Tx CH78_2480 MHz_2Mbps (Battery powered)
	Mode 7: Bluetooth Tx CH00_2402 MHz_3Mbps (Battery powered)
	Mode 8: Bluetooth Tx CH39_2441 MHz_3Mbps (Battery powered)
	Mode 9: Bluetooth Tx CH78_2480 MHz_3Mbps (Battery powered)
	Mode10: Bluetooth Tx Hopping-1Mbps (Battery powered)
	Mode11: Bluetooth Tx Hopping-2Mbps (Battery powered)
	Mode12: Bluetooth Tx Hopping-3Mbps (Battery powered)

Note:

- Only the result of the worst case was recorded in the report, if no other cases.
- The battery is full-charged during the test.
- For Radiated Emission, 3axis were chosen for testing for each applicable mode.
- For Conducted Test method, a temporary antenna connector is provided by the manufacture.
- The manufacturer of RF external cable claims that the cable loss is 0.5dB, and the cable loss and attenuator have been compensated into the Corrections Configuration of measuring equipment.
- Input correction factor includes external cable loss and attenuator amplitude compensation. The formula is:
Input compensation coefficient (dB) = Cable Loss (dB) + Attenuator attenuation value (dB)

Software Setting Diagram



The screenshot displays the 'Non Signaling Test Tool (20241106)' software interface. The main window is divided into several sections:

- File Device:** A menu bar at the top left.
- Devices:** A table listing connected devices. The first device is 'COM4' with address '0xEEEEEEEEEE', name 'DUT', address type 'Private', state 'IDLE', role 'UNDEFI...', and authentication/encryption settings.
- Traces:** A section for viewing device traces. It shows a list of events including 'Reset', 'CMD (RESET)', 'CMD (SIG_TEST)', and 'CMD (SIG_TEST)'. The 'Reset' event is highlighted.
- Settings:** A panel on the right side of the window containing various configuration options:
 - Transmit Frequency:** Set to 2402MHz.
 - Test scenario:** Set to '00-output'.
 - LT Address:** Set to 1.
 - Packet Type:** Set to 'DMS'.
 - Hopping Mode:** Set to '01-on'.
 - Extra Interval:** Set to 0.
 - Power Level:** Set to 3.
 - Edr Enabled:** Set to '00=FF'.
 - Payload Pattern:** Set to '4.prbs9'.
 - Payload Size:** Set to 339.
 - Package Number:** Set to 0x FFFFFFFF.
 - Engineer Mode:** Checked.
- Buttons:** A 'Send' button is located below the settings panel.

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Test Mode	Channel	Power Index
GFSK	L/M/H	3
π /4-DQPSK	L/M/H	3
8DPSK	L/M/H	3

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6. Radiated Spurious Emission

6.1 Measurement Limit

- 15.209 Limit in the below table has 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

- 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.
- Power on the EUT and all the supporting units. The turntable was rotated by 360 degrees to determine the position of the highest radiation.
- 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.
- 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.
- Set the test-receiver system to Peak or CISPR quasi-peak Detect Function with specified bandwidth under Maximum Hold Mode.
- 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.
- 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. 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.

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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**

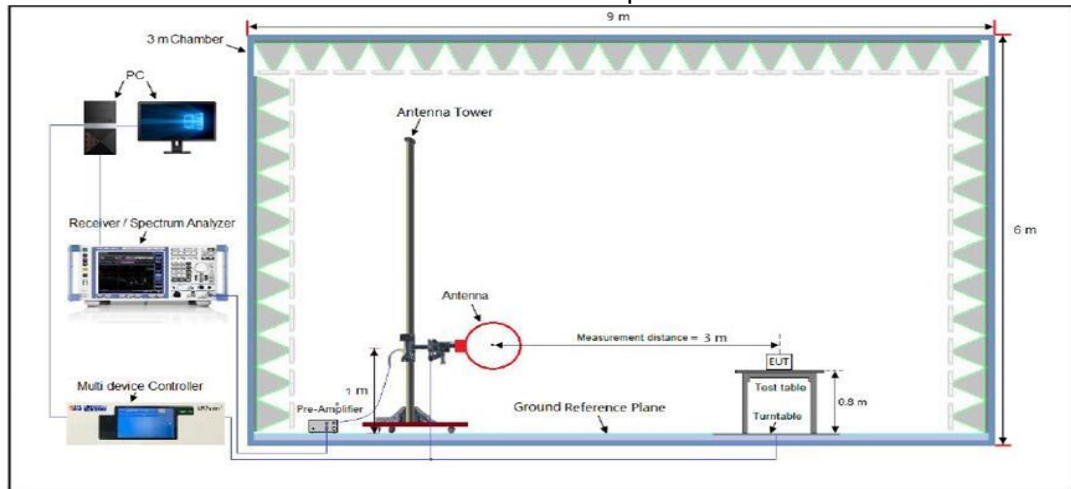
1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
2. RBW = 1MHz
3. VBW = 3MHz
4. Detector = peak
5. Sweep time = auto couple
6. Trace mode = max hold
7. Trace was allowed to stabilize

- **Average Measurements above 1GHz**

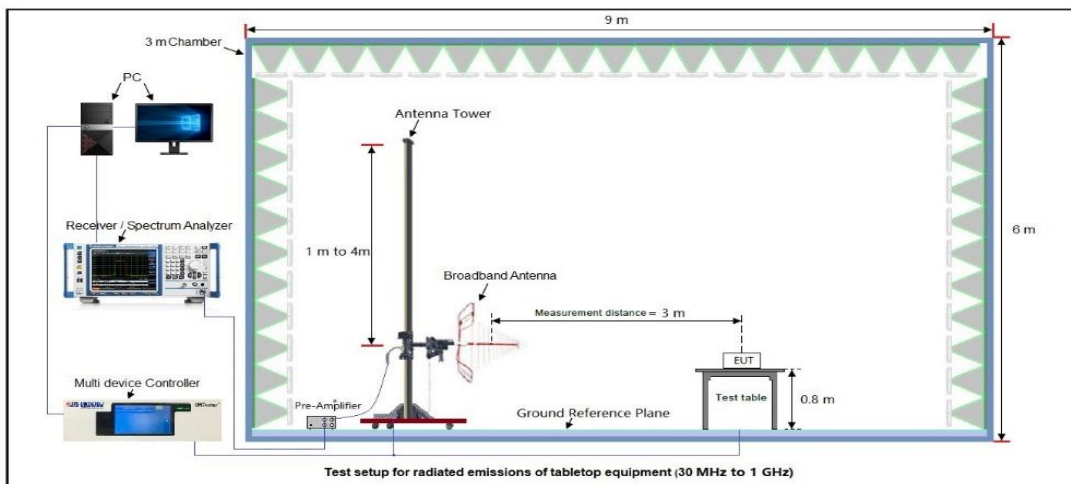
1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
2. RBW = 1MHz
3. VBW $\geq [3 \times \text{RBW}]$
4. Detector = Power averaging (rms)
5. Averaging type = power (i.e., rms)
6. Sweep time = auto
7. Perform a trace average of at least 100 traces.
8. The 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.

6.3 Measurement Setup (Block Diagram of Configuration)

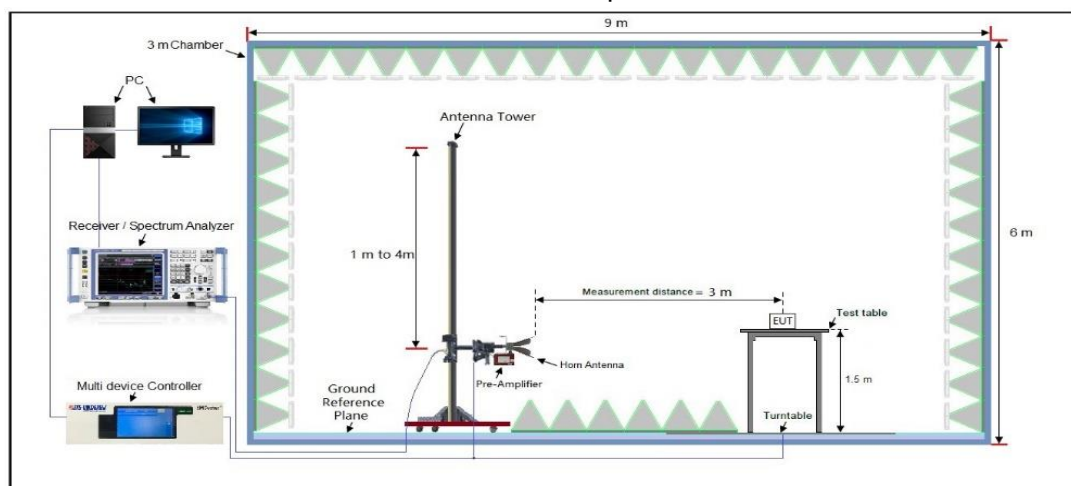
Radiated Emission Test Setup 9KHz-30MHz



Radiated Emission Test Setup 30MHz-1000MHz



Radiated Emission Test Setup Above 1000MHz



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6.4 Measurement Result

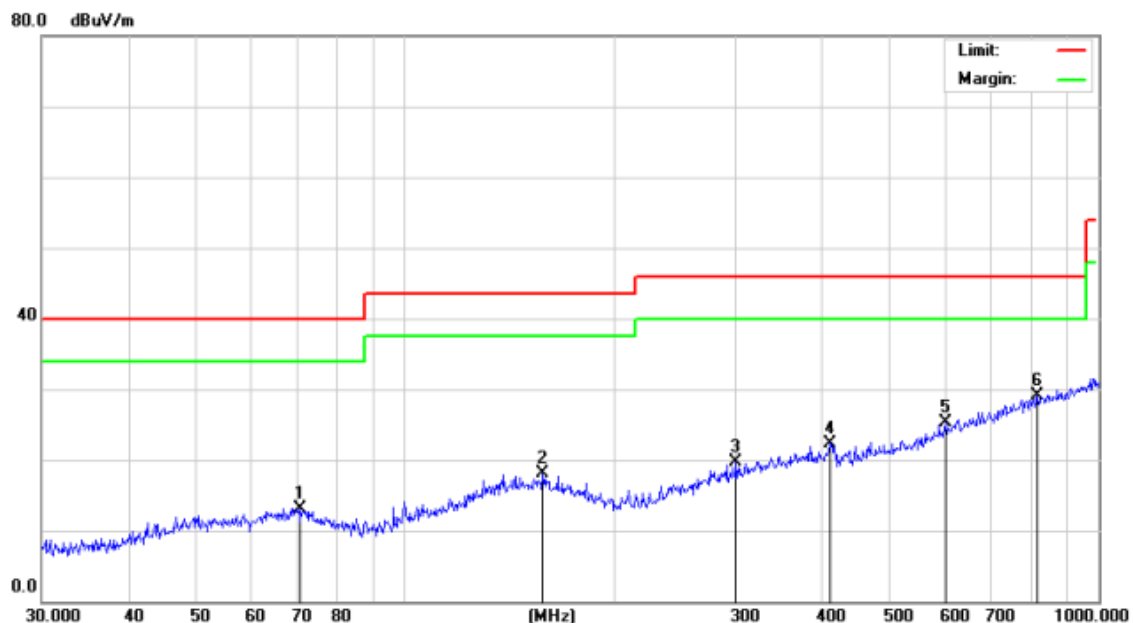
Radiated Emission Below 30MHz

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

Left earphone

Radiated Emission Test Results at 30MHz-1GHz

EUT Name	Wireless Headphone	Model Name	D1301
Temperature	21.6℃	Relative Humidity	61.4%
Pressure	960hPa	Test Voltage	DC 3.91V
Test Mode	Mode 1	Antenna Polarity	Horizontal

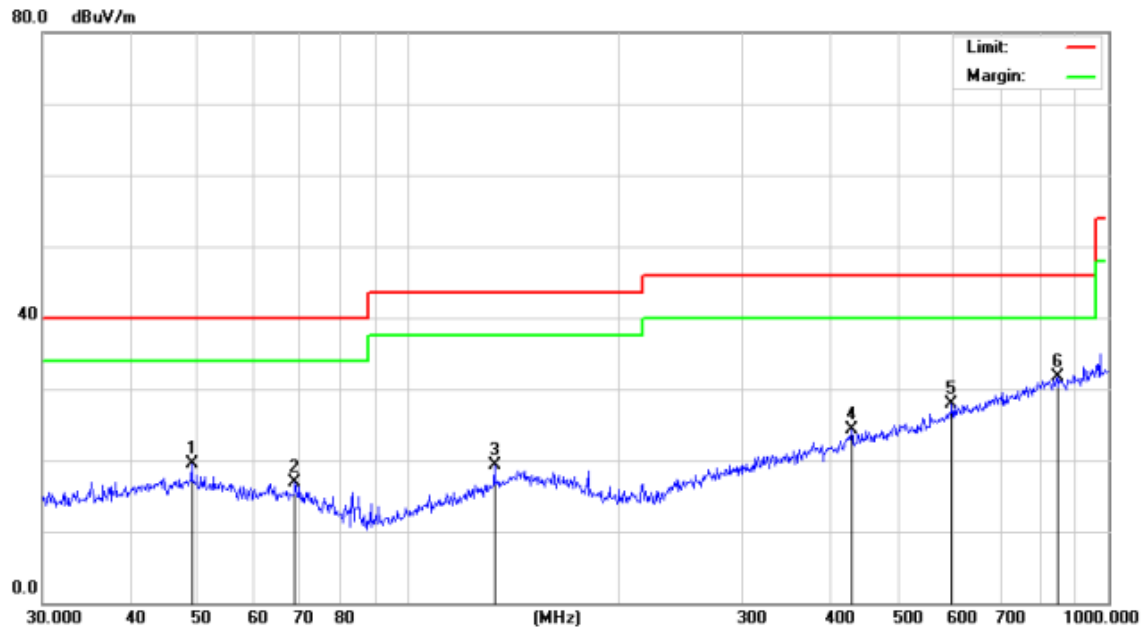


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector
1		70.5836	38.45	-25.25	13.20	40.00	-26.80	peak
2		158.1123	38.78	-20.65	18.13	43.50	-25.37	peak
3		300.3672	39.30	-19.55	19.75	46.00	-26.25	peak
4		410.3825	39.45	-17.20	22.25	46.00	-23.75	peak
5		601.4265	39.20	-13.94	25.26	46.00	-20.74	peak
6	*	815.9678	38.84	-9.65	29.19	46.00	-16.81	peak

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Radiated Emission Test Results at 30MHz-1GHz

EUT Name	Wireless Headphone	Model Name	D1301
Temperature	21.6℃	Relative Humidity	61.4%
Pressure	960hPa	Test Voltage	DC 3.91V
Test Mode	Mode 1	Antenna Polarity	Vertical



No.	Mk.	Freq.	Reading	Correct	Measure-	Limit	Over	
		MHz	Level	Factor	ment			Detector
			dBuV	dB	dBuV/m	dBuV/m	dB	
1		49.0145	40.61	-21.18	19.43	40.00	-20.57	peak
2		68.8721	39.37	-22.56	16.81	40.00	-23.19	peak
3		132.6850	40.26	-21.03	19.23	43.50	-24.27	peak
4		429.5228	40.03	-15.80	24.23	46.00	-21.77	peak
5		597.2234	39.56	-11.67	27.89	46.00	-18.11	peak
6	*	845.0878	39.02	-7.25	31.77	46.00	-14.23	peak

RESULT: Pass

Note:

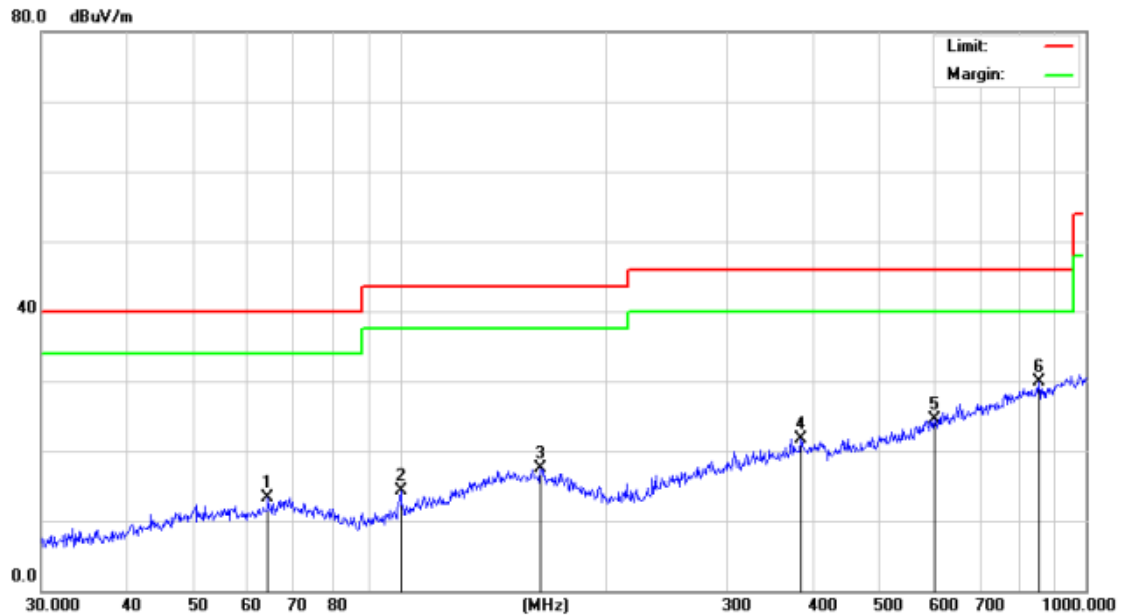
- Factor=Antenna Factor + Cable loss - Pre-amplifier, Over=Measurement-Limit.
- All test modes had been pre-tested. The mode 1 is the worst case and recorded in the report.

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.

Right earphone

Radiated Emission Test Results at 30MHz-1GHz

EUT Name	Wireless Headphone	Model Name	D1301
Temperature	21.6°C	Relative Humidity	61.4%
Pressure	960hPa	Test Voltage	DC 3.91V
Test Mode	Mode 4	Antenna Polarity	Horizontal

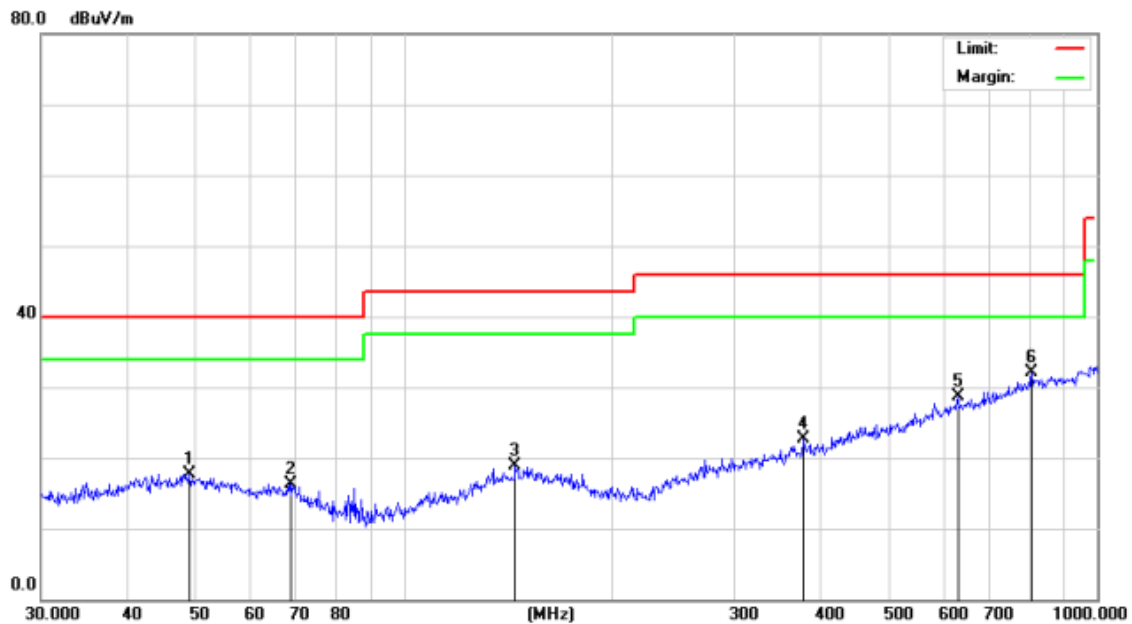


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector
1		64.2074	38.68	-25.38	13.30	40.00	-26.70	peak
2		100.2286	38.82	-24.57	14.25	43.50	-29.25	peak
3		160.3456	38.12	-20.71	17.41	43.50	-26.09	peak
4		383.9318	39.48	-17.70	21.78	46.00	-24.22	peak
5		601.4265	38.43	-13.94	24.49	46.00	-21.51	peak
6	*	854.0247	39.32	-9.33	29.99	46.00	-16.01	peak

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Radiated Emission Test Results at 30MHz-1GHz

EUT Name	Wireless Headphone	Model Name	D1301
Temperature	21.6°C	Relative Humidity	61.4%
Pressure	960hPa	Test Voltage	DC 3.91V
Test Mode	Mode 4	Antenna Polarity	Vertical



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector
1		49.1865	38.90	-21.17	17.73	40.00	-22.27	peak
2		68.8721	38.86	-22.56	16.30	40.00	-23.70	peak
3		144.8418	38.80	-19.90	18.90	43.50	-24.60	peak
4		377.2591	39.70	-17.06	22.64	46.00	-23.36	peak
5		629.4772	39.57	-10.84	28.73	46.00	-17.27	peak
6	*	804.6028	39.74	-7.57	32.17	46.00	-13.83	peak

RESULT: Pass

Note:

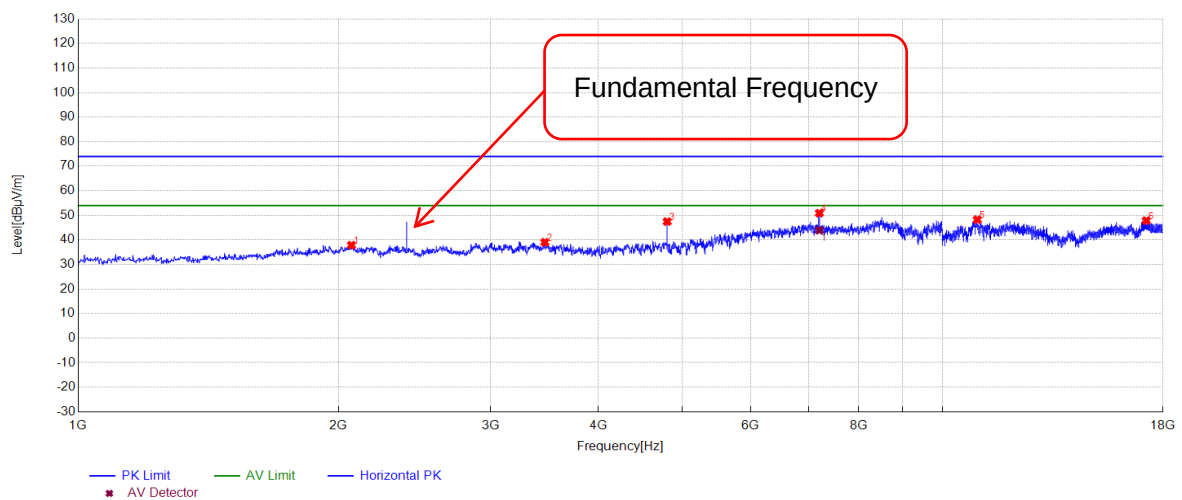
- Factor=Antenna Factor + Cable loss - Pre-amplifier, Over=Measurement-Limit.
- All test modes had been pre-tested. The mode 4 is the worst case and recorded in the report.

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.

Left earphone

Radiated Emissions Test Results Above 1GHz

EUT Name	Wireless Headphone	Model Name	D1301
Temperature	22.6℃	Relative Humidity	53.5%
Pressure	960hPa	Test Voltage	DC 3.91V
Test Mode	Mode 1	Antenna Polarity	Horizontal

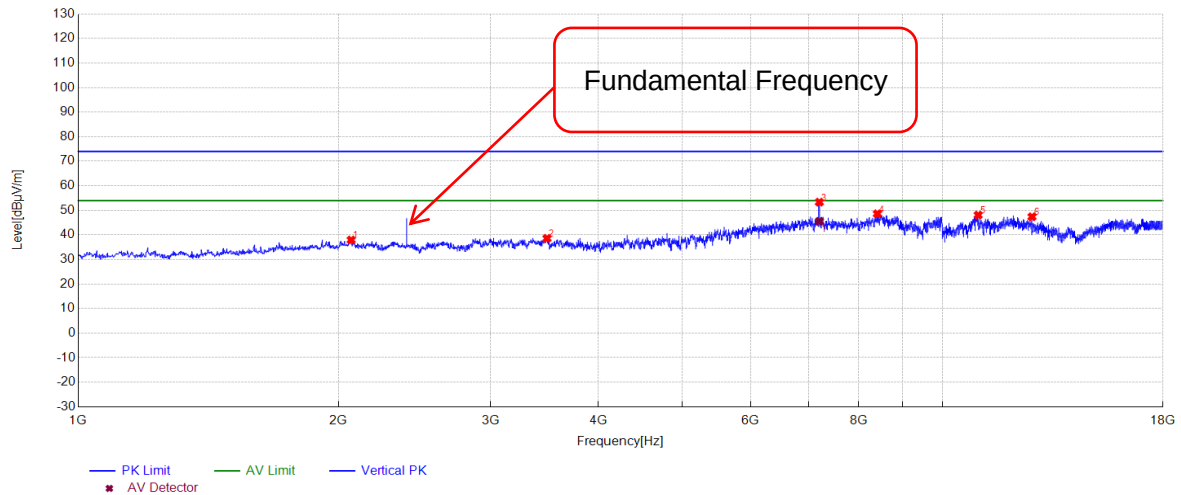


PK Data List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	2071.107111	37.85	-13.97	74.00	36.15	150	135	Horizontal
2	3466.946695	39.02	-11.17	74.00	34.98	150	53	Horizontal
3	4803.280328	47.44	-9.25	74.00	26.56	150	35	Horizontal
4	7205.620562	50.87	-3.62	74.00	23.13	150	340	Horizontal
5	10974.89749	48.24	3.87	74.00	25.76	150	340	Horizontal
6	17216.221622	47.83	5.30	74.00	26.17	150	359	Horizontal

AV Final Data List								
NO.	Freq. [MHz]	Factor [dB]	AV Value [dBμV/m]	AV Limit [dBμV/m]	AV Margin [dB]	Height [cm]	Angle [°]	Polarity
1	7205.620562	-3.62	43.94	54.00	10.06	150	340	Horizontal

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EUT Name	Wireless Headphone	Model Name	D1301
Temperature	22.6°C	Relative Humidity	53.5%
Pressure	960hPa	Test Voltage	DC 3.91V
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	2069.406941	37.92	-13.98	74.00	36.08	150	2	Vertical
2	3487.348735	38.58	-11.14	74.00	35.42	150	161	Vertical
3	7205.620562	53.33	-3.62	74.00	20.67	150	273	Vertical
4	8409.340934	48.59	-2.39	74.00	25.41	150	354	Vertical
5	11000.40004	48.05	3.98	74.00	25.95	150	104	Vertical
6	12697.169717	47.37	3.10	74.00	26.63	150	317	Vertical

AV Final Data List								
NO.	Freq. [MHz]	Factor [dB]	AV Value [dBμV/m]	AV Limit [dBμV/m]	AV Margin [dB]	Height [cm]	Angle [°]	Polarity
1	7205.620562	-3.62	45.54	54.00	8.46	150	273	Vertical

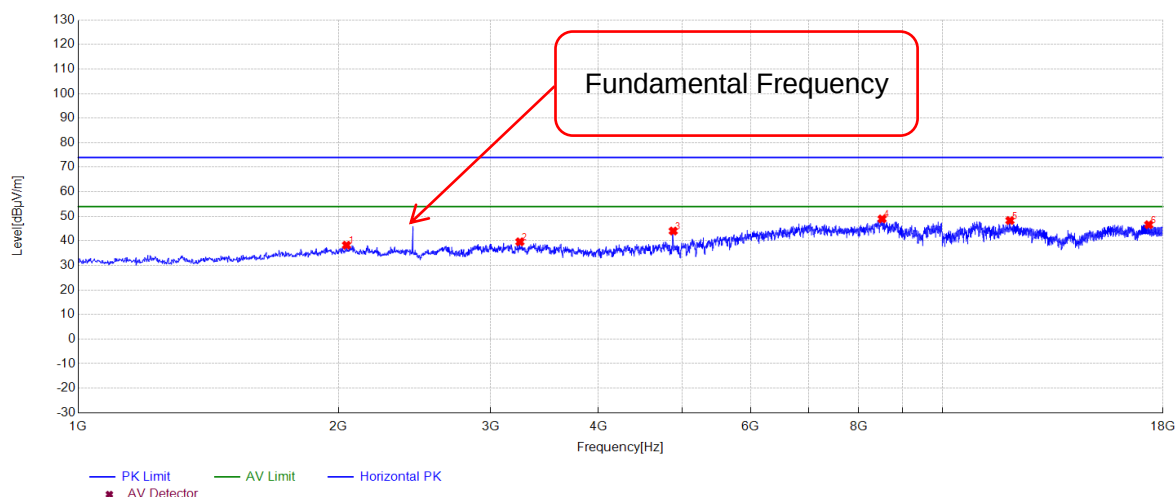
RESULT: PASS

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Radiated Emissions Test Results for Above 1GHz

EUT Name	Wireless Headphone	Model Name	D1301
Temperature	22.6℃	Relative Humidity	53.5%
Pressure	960hPa	Test Voltage	DC 3.91V
Test Mode	Mode 2	Antenna Polarity	Horizontal

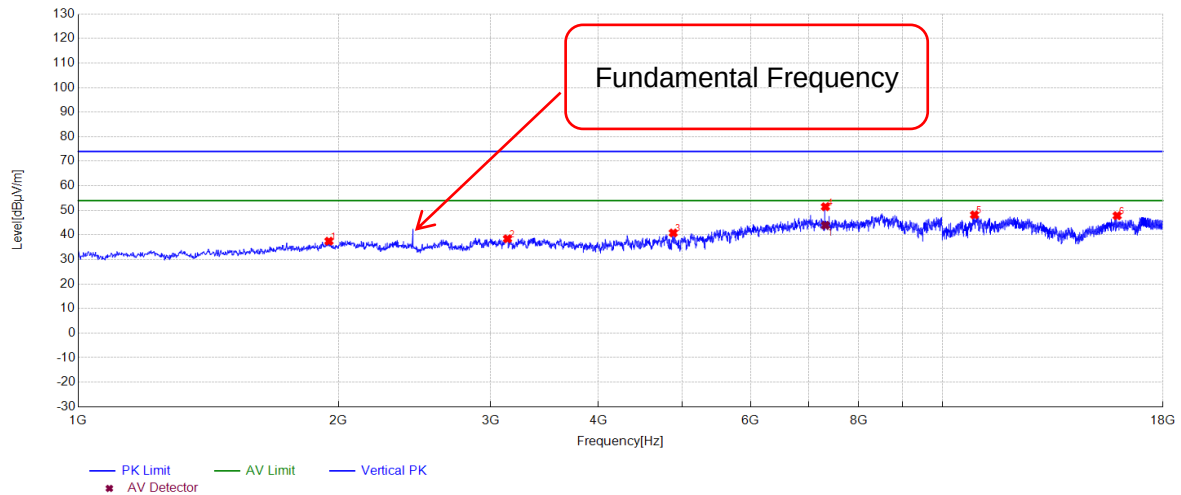


PK Data List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	2043.90439	38.23	-14.06	74.00	35.77	150	201	Horizontal
2	3244.224422	39.61	-11.60	74.00	34.39	150	1	Horizontal
3	4881.488149	44.01	-9.21	74.00	29.99	150	1	Horizontal
4	8516.451645	48.94	-2.00	74.00	25.06	150	48	Horizontal
5	11972.89729	48.29	2.97	74.00	25.71	150	134	Horizontal
6	17331.833183	46.58	5.11	74.00	27.42	150	352	Horizontal

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EUT Name	Wireless Headphone	Model Name	D1301
Temperature	22.6°C	Relative Humidity	53.5%
Pressure	960hPa	Test Voltage	DC 3.91V
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	1950.39504	37.44	-14.56	74.00	36.56	150	0	Vertical
2	3138.813881	38.40	-11.80	74.00	35.60	150	199	Vertical
3	4881.488149	40.78	-9.21	74.00	33.22	150	187	Vertical
4	7322.932293	51.44	-3.66	74.00	22.56	150	256	Vertical
5	10893.289329	48.13	3.54	74.00	20.87	150	120	Vertical
6	15930.893089	47.79	5.67	74.00	26.21	150	281	Vertical

AV Final Data List								
NO.	Freq. [MHz]	Factor [dB]	AV Value [dBμV/m]	AV Limit [dBμV/m]	AV Margin [dB]	Height [cm]	Angle [°]	Polarity
1	7322.932293	-3.66	43.87	54.00	10.13	150	256	Vertical

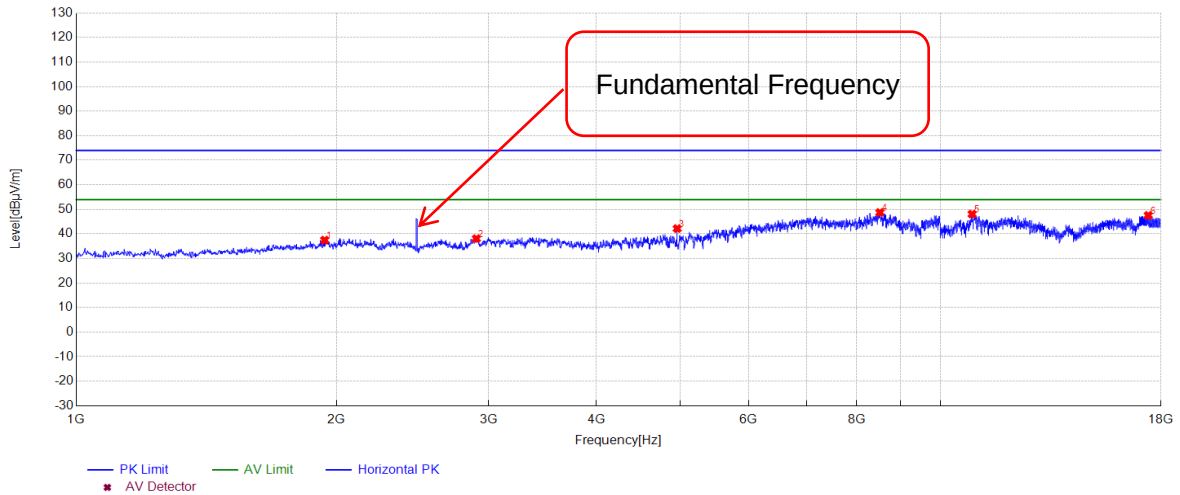
RESULT: PASS

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Radiated Emissions Test Results for Above 1GHz

EUT Name	Wireless Headphone	Model Name	D1301
Temperature	22.6℃	Relative Humidity	53.5%
Pressure	960hPa	Test Voltage	DC 3.91V
Test Mode	Mode 3	Antenna Polarity	Horizontal

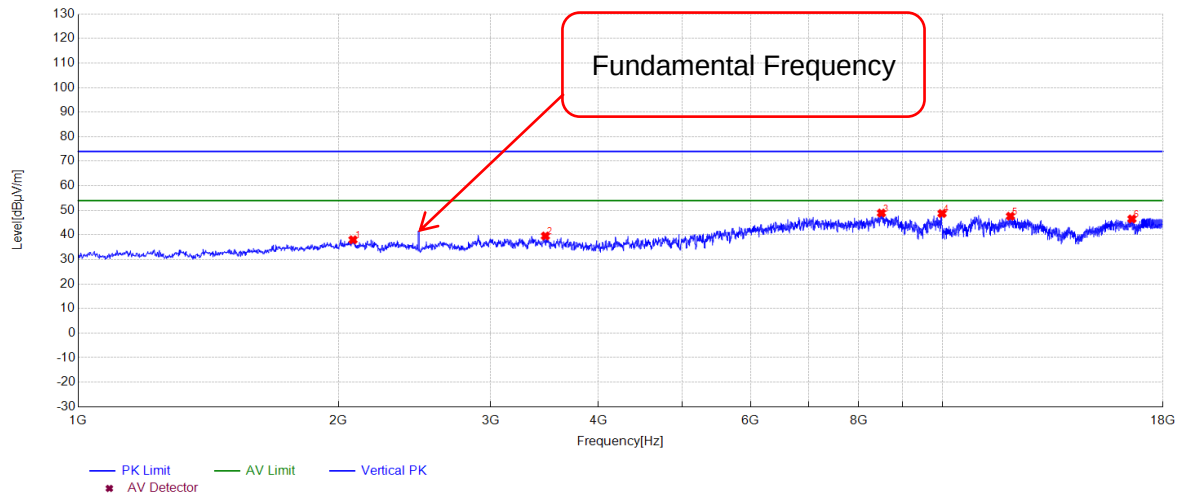


PK Data List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1938.493849	37.45	-14.64	74.00	36.55	150	160	Horizontal
2	2904.190419	38.05	-12.17	74.00	35.95	150	321	Horizontal
3	4959.69597	42.16	-9.16	74.00	31.84	150	1	Horizontal
4	8511.351135	48.70	-2.01	74.00	25.30	150	219	Horizontal
5	10883.088309	48.05	3.50	74.00	25.95	150	291	Horizontal
6	17399.839984	47.53	4.99	74.00	26.47	150	2	Horizontal

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EUT Name	Wireless Headphone	Model Name	D1301
Temperature	22.6°C	Relative Humidity	53.5%
Pressure	960hPa	Test Voltage	DC 3.91V
Test Mode	Mode 3	Antenna Polarity	Vertical



PK Data List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	2079.607961	37.99	-13.95	74.00	36.01	150	23	Vertical
2	3472.047205	39.54	-11.16	74.00	34.46	150	1	Vertical
3	8501.150115	48.89	-2.00	74.00	25.11	150	1	Vertical
4	9990.49905	48.69	0.87	74.00	25.31	150	171	Vertical
5	11988.19882	47.60	3.00	74.00	26.40	150	343	Vertical
6	16571.857186	46.48	5.30	74.00	27.52	150	313	Vertical

RESULT: PASS

Note:

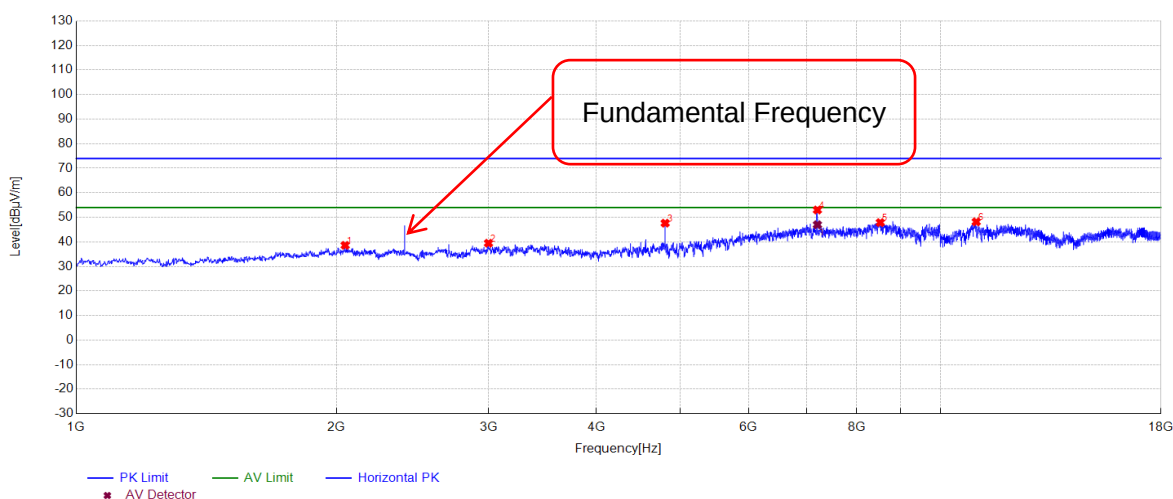
1. The amplitude of other spurious emissions from 18G to 25 GHz which are attenuated more than 20 dB below the permissible value need not be reported.
2. Factor = Antenna Factor + Cable loss – Pre-amplifier gain, Margin = Emission Level - Limit.
3. The "Factor" value can be calculated automatically by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

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Right earphone

Radiated Emissions Test Results Above 1GHz

EUT Name	Wireless Headphone	Model Name	D1301
Temperature	22.6℃	Relative Humidity	53.5%
Pressure	960hPa	Test Voltage	DC 3.91V
Test Mode	Mode 4	Antenna Polarity	Horizontal

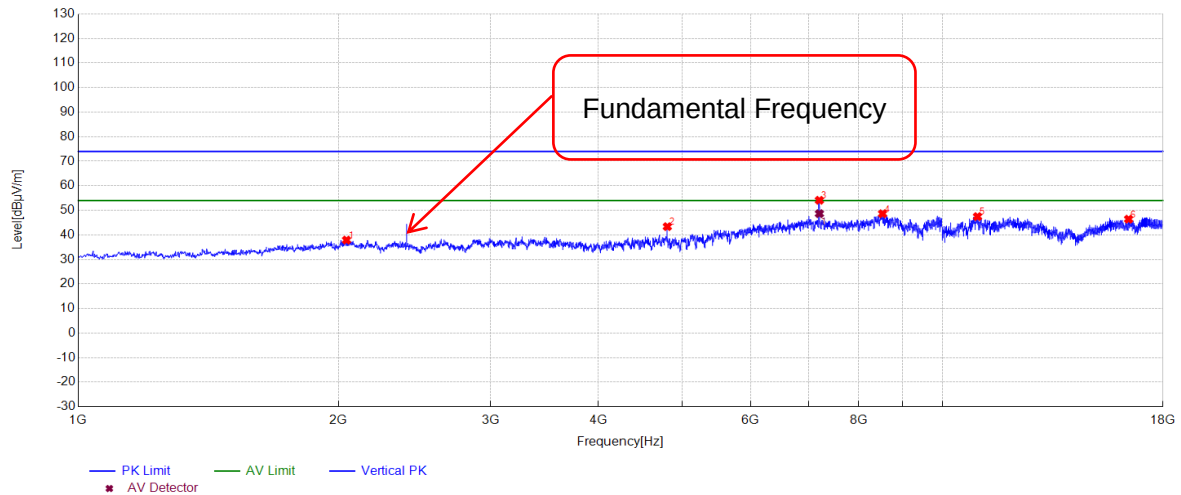


PK Data List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	2047.304731	38.58	-14.04	74.00	35.42	150	324	Horizontal
2	2999.39994	39.46	-12.07	74.00	34.54	150	288	Horizontal
3	4803.280328	47.62	-9.25	74.00	26.38	150	105	Horizontal
4	7205.620562	52.99	-3.62	74.00	21.01	150	282	Horizontal
5	8519.851985	47.86	-2.00	74.00	26.14	150	152	Horizontal
6	11002.10021	48.16	3.97	74.00	25.84	150	300	Horizontal

AV Final Data List								
NO.	Freq. [MHz]	Factor [dB]	AV Value [dBμV/m]	AV Limit [dBμV/m]	AV Margin [dB]	Height [cm]	Angle [°]	Polarity
1	7206.0406	-3.62	46.98	54.00	7.02	150	282	Horizontal

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EUT Name	Wireless Headphone	Model Name	D1301
Temperature	22.6°C	Relative Humidity	53.5%
Pressure	960hPa	Test Voltage	DC 3.91V
Test Mode	Mode 4	Antenna Polarity	Vertical



PK Data List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	2043.90439	37.88	-14.06	74.00	36.12	150	10	Vertical
2	4804.980498	43.36	-9.25	74.00	30.64	150	235	Vertical
3	7205.620562	54.09	-3.62	74.00	19.91	150	325	Vertical
4	8526.652665	48.60	-2.01	74.00	25.40	150	103	Vertical
5	10979.998	47.45	3.90	74.00	26.55	150	235	Vertical
6	16423.942394	46.40	5.33	74.00	27.60	150	343	Vertical

AV Final Data List								
NO.	Freq. [MHz]	Factor [dB]	AV Value [dBμV/m]	AV Limit [dBμV/m]	AV Margin [dB]	Height [cm]	Angle [°]	Polarity
1	7206.1156	-3.62	48.64	54.00	5.36	150	325	Vertical

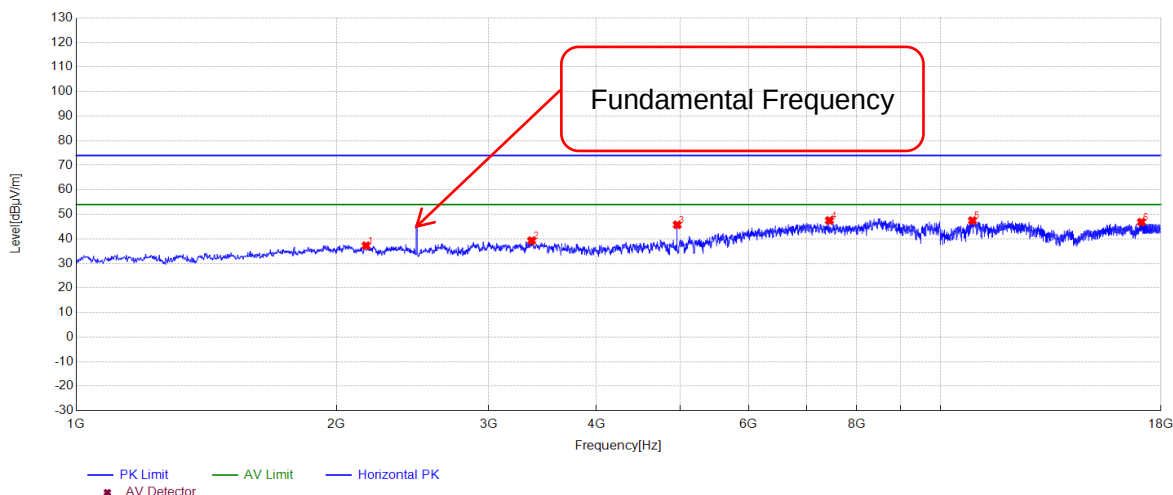
RESULT: PASS

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Radiated Emissions Test Results for Above 1GHz

EUT Name	Wireless Headphone	Model Name	D1301
Temperature	21.5℃	Relative Humidity	54.7%
Pressure	960hPa	Test Voltage	DC 3.91V
Test Mode	Mode 5	Antenna Polarity	Horizontal



PK Data List

NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	2164.616462	37.22	-13.67	74.00	36.78	150	349	Horizontal
2	3364.936494	39.25	-11.37	74.00	34.75	150	349	Horizontal
3	4959.69597	45.74	-9.16	74.00	28.26	150	359	Horizontal
4	7440.244024	47.48	-3.71	74.00	26.52	150	94	Horizontal
5	10891.589159	47.44	3.54	74.00	26.56	150	18	Horizontal
6	17085.308531	46.82	5.52	74.00	27.18	150	4	Horizontal

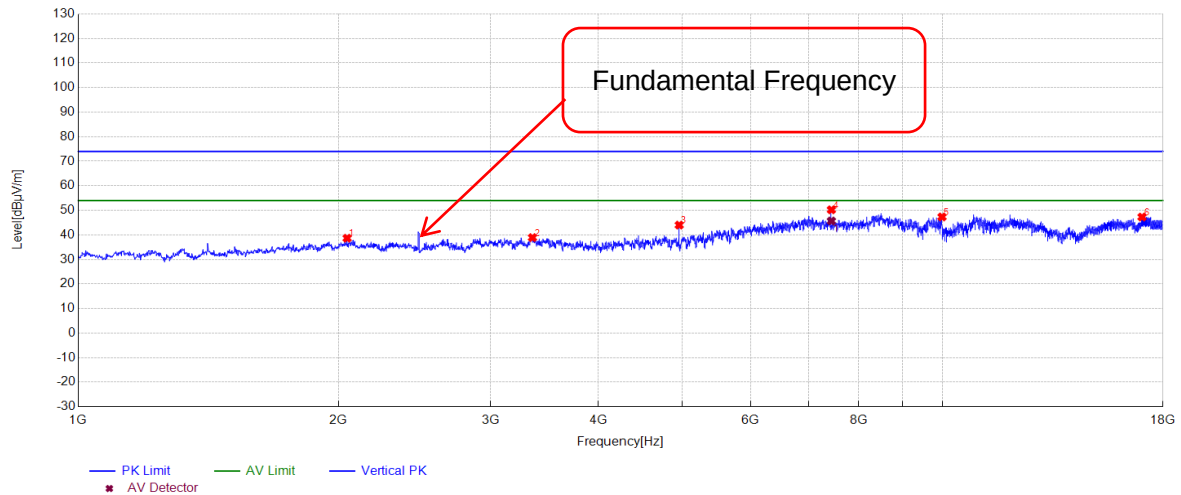
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EUT Name	Wireless Headphone	Model Name	D1301
Temperature	21.5°C	Relative Humidity	54.7%
Pressure	960hPa	Test Voltage	DC 3.91V
Test Mode	Mode 5	Antenna Polarity	Vertical



PK Data List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	2047.304731	38.65	-14.04	74.00	35.35	150	1	Vertical
2	3354.735474	38.89	-11.38	74.00	35.11	150	222	Vertical
3	4959.69597	43.99	-9.16	74.00	30.01	150	258	Vertical
4	7440.244024	50.21	-3.71	74.00	23.79	150	107	Vertical
5	9990.49905	47.30	0.87	74.00	26.70	150	222	Vertical
6	17022.40224	47.26	5.63	74.00	26.74	150	253	Vertical

AV Final Data List								
NO.	Freq. [MHz]	Factor [dB]	AV Value [dBμV/m]	AV Limit [dBμV/m]	AV Margin [dB]	Height [cm]	Angle [°]	Polarity
1	7440.244024	-3.71	45.65	54.00	8.35	150	107	Vertical

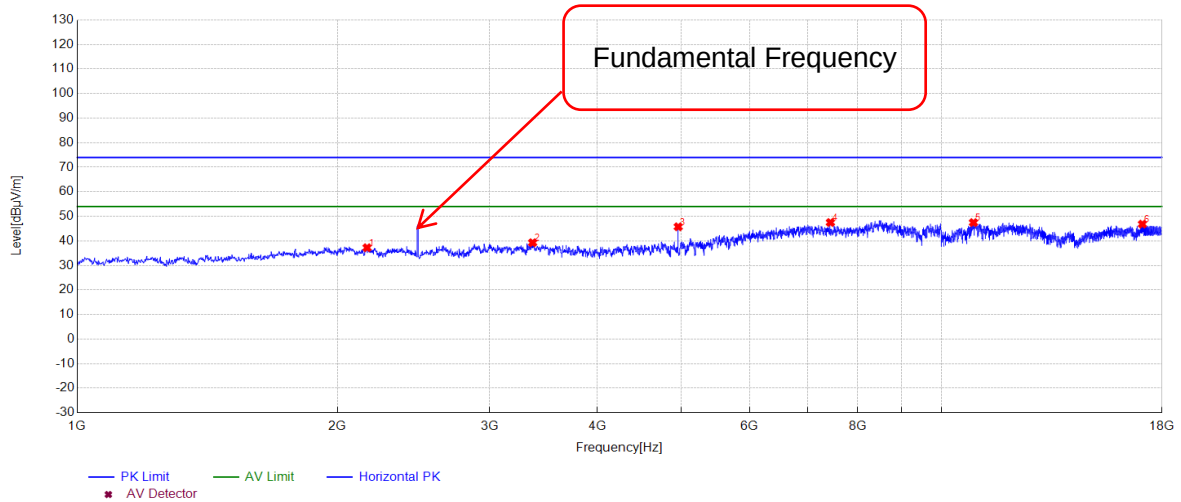
RESULT: PASS

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Radiated Emissions Test Results for Above 1GHz

EUT Name	Wireless Headphone	Model Name	D1301
Temperature	21.5℃	Relative Humidity	54.7%
Pressure	960hPa	Test Voltage	DC 3.91V
Test Mode	Mode 6	Antenna Polarity	Horizontal

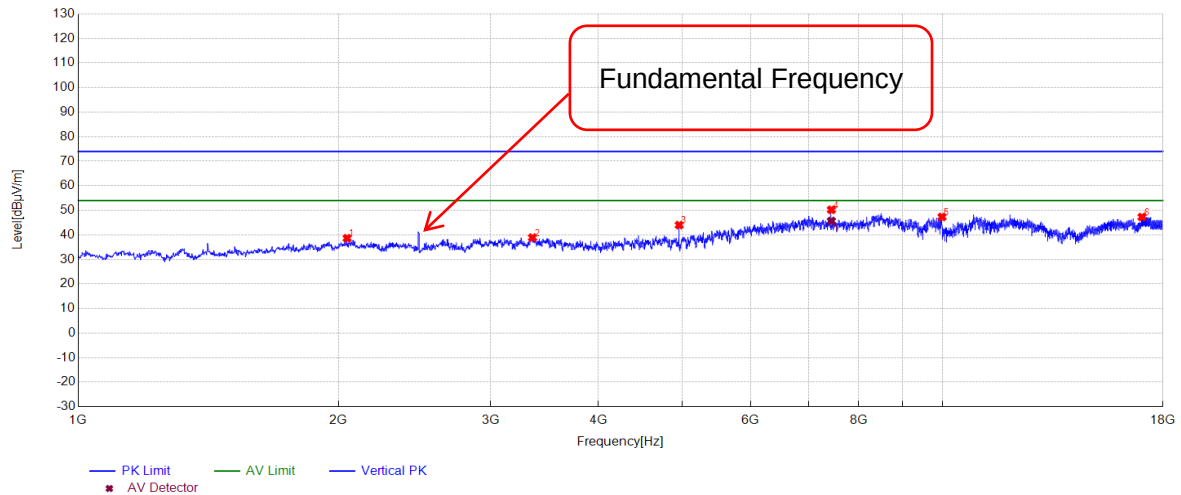


PK Data List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	2164.616462	37.22	-13.67	74.00	36.78	150	349	Horizontal
2	3364.936494	39.25	-11.37	74.00	34.75	150	349	Horizontal
3	4959.69597	45.74	-9.16	74.00	28.26	150	359	Horizontal
4	7440.244024	47.48	-3.71	74.00	26.52	150	94	Horizontal
5	10891.589159	47.44	3.54	74.00	26.56	150	18	Horizontal
6	17085.308531	46.82	5.52	74.00	27.18	150	4	Horizontal

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EUT Name	Wireless Headphone	Model Name	D1301
Temperature	21.5°C	Relative Humidity	54.7%
Pressure	960hPa	Test Voltage	DC 3.91V
Test Mode	Mode 6	Antenna Polarity	Vertical



PK Data List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	2047.304731	38.65	-14.04	74.00	35.35	150	1	Vertical
2	3354.735474	38.89	-11.38	74.00	35.11	150	222	Vertical
3	4959.69597	43.99	-9.16	74.00	30.01	150	258	Vertical
4	7440.244024	50.21	-3.71	74.00	23.79	150	107	Vertical
5	9990.49905	47.30	0.87	74.00	26.70	150	222	Vertical
6	17022.40224	47.26	5.63	74.00	26.74	150	253	Vertical

AV Final Data List								
NO.	Freq. [MHz]	Factor [dB]	AV Value [dBμV/m]	AV Limit [dBμV/m]	AV Margin [dB]	Height [cm]	Angle [°]	Polarity
1	7440.244024	-3.71	45.65	54.00	8.35	150	107	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 pre-tested. The mode $\pi/4$ -DQPSK is the worst case and recorded in the report.

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Appendix I: Photographs of Test Setup

Refer to the Report No.: AGC01110250452AP01B

Appendix II: Photographs of Test EUT

Refer to the Report No.: AGC01110250452AP02B

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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-----

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