FCC Test Report

Report No.: AGC01110250452FR02A

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	:	Jul. 24, 2025
STANDARD(S)	:	FCC Part 15 Subpart C §15.247
REPORT VERSION	:	V1.0

Attestation of ***G***lobal ***C***ompliance (Shenzhen) Co., Ltd

Report Revise Record

Report Version	Revise Time	Issued Date	Valid Version	Notes
V1.0	/	Jul. 24, 2025	Valid	Initial Release

Note: The original test report AGC01110250452FR02 (dated Jun. 05, 2025 and tested from Apr. 30, 2025 – Jun. 04, 2025) was modified on Jul. 24, 2025, including the following changes and additions:

- Replaced the battery, see below for details:

Original:

Battery Information	Model: 1040W7 Rated Voltage & Cap.: 3.85V 38mAh, 0.147Wh Manufacturer name: Chongqing VDL Electronics Co., Ltd.

Updated:

Battery Information	Model: 1040W9 Rated Voltage & Cap.: 3.91V 42mAh, 0.165Wh Manufacturer name: Chongqing VDL Electronics Co., Ltd.

- Replaced the lithium protection chip of the headphones from the: CM1126B-DAC to: CM1126B-HBC;

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	Jul. 07, 2025
Date of Test	Jul. 07, 2025 –Jul. 23, 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)	Jul. 24, 2025
Reviewed By	Bibo Zhang (Reviewer)	Jul. 24, 2025
Approved By	Angela Li Authorized Officer	Jul. 24, 2025

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*k MHz, k=0, …, 78; “f” is the operating frequency (MHz); “k” is the operating channel.		

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 of 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.

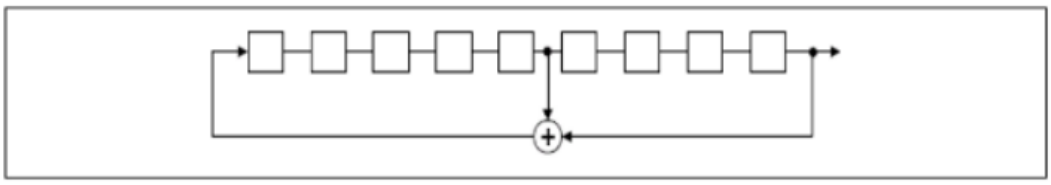
2.6 Equally Average Use of Frequencies and Behaviour.

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.

2.7 Pseudorandom Frequency Hopping Sequence

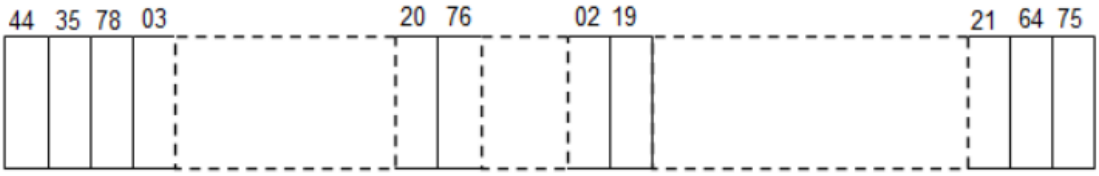
The pseudorandom sequence may be generated in a nine-stage shift register whose 5th and 9th stage outputs are added in a modulo-two addition stage. And the result is fed back to the input of the first stage. The sequence begins with the first ONE of 9 consecutive ONEs; i.e. the shift register is initialized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

- Number of shift register stages: 9
- Length of pseudo-random sequence: 29 - 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.

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 (℃)	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 ±U, where expended 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 = ±2.9 dB
Uncertainty of Radiated Emission below 1GHz	U_c = ±3.9 dB
Uncertainty of Radiated Emission above 1GHz	U_c = ±4.9 dB
Uncertainty of total RF Power, Conducted	U_c = ±0.8 dB
Uncertainty of RF Power Density, Conducted	U_c = ±2.6 dB
Uncertainty of Spurious Emissions, Conducted	U_c = ±2 %
Uncertainty of Occupied Channel Bandwidth	U_c = ±2 %
Uncertainty of Dwell Time	U_c = ±2 %

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-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	2023-06-09	2025-06-08
☐	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
☒	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

4.System Test Configuration

4.1 EUT Configuration

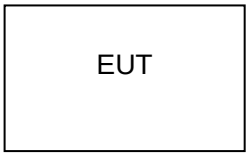
The EUT configuration for testing is installed on RF field strength measurement to meet the Commission's requirement and operating in a manner which intends to maximize its emission characteristics in a continuous normal application.

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	--	--	--	--	--

4.5 Summary of Test Results

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

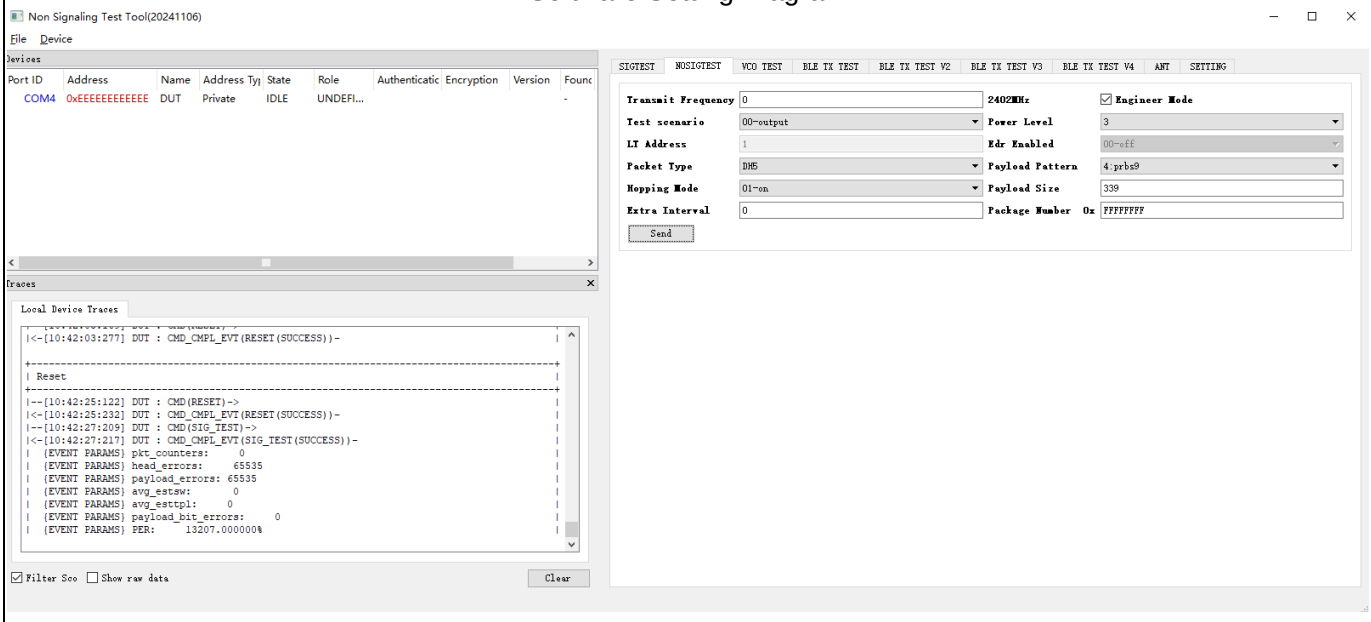
5. Description of Test Modes

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:

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.
5. 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.
6. 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



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

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

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

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

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

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

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

- **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**

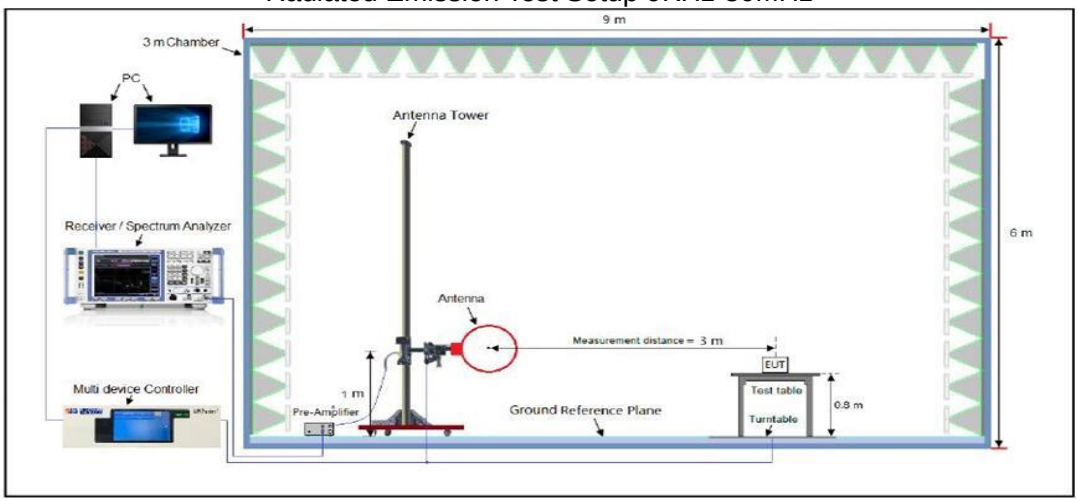
1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
2. RBW = 1MHz
3. VBW = 3MHz
4. Detector = peak
5. Sweep time = auto couple
6. Trace mode = max hold
7. Trace was allowed to stabilize

- **Average Measurements above 1GHz**

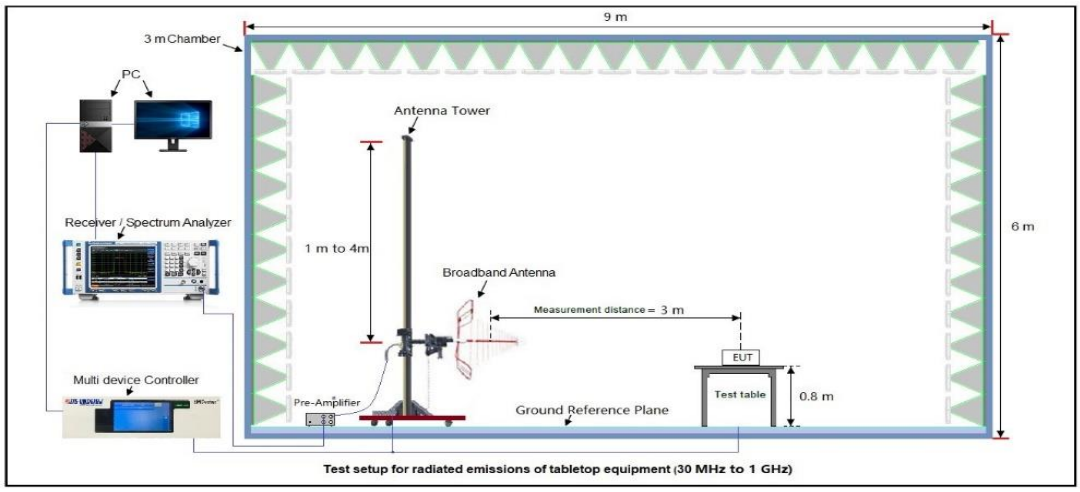
1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
2. RBW = 1MHz
3. VBW ≥ [3 × RBW]
4. Detector = Power averaging (rms)
5. Averaging type = power (i.e., rms)
6. Sweep time = auto
7. Perform a trace average of at least 100 traces.
8. The applicable correction factor is [10*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

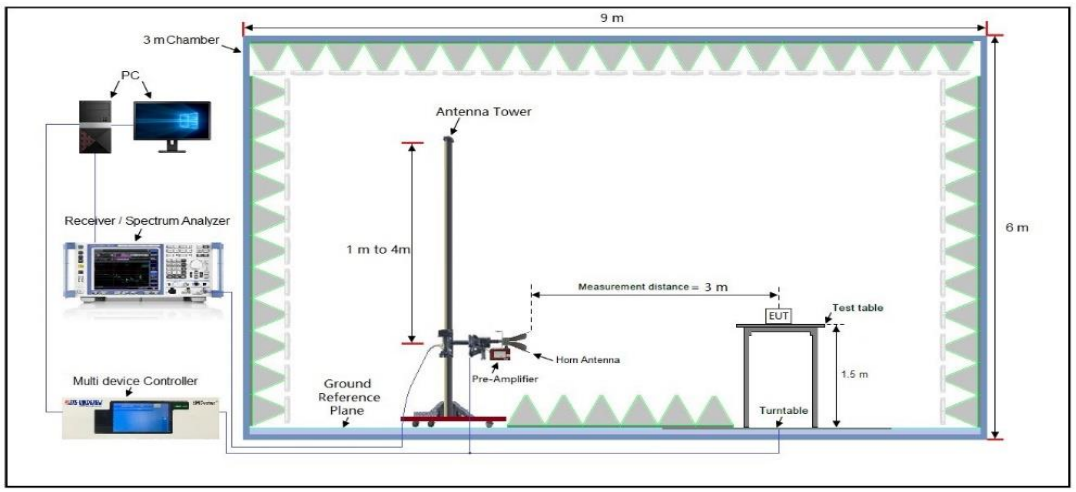


Radiated Emission Test Setup 30MHz-1000MHz



Test setup for radiated emissions of tabletop equipment (30 MHz to 1 GHz)

Radiated Emission Test Setup Above 1000MHz



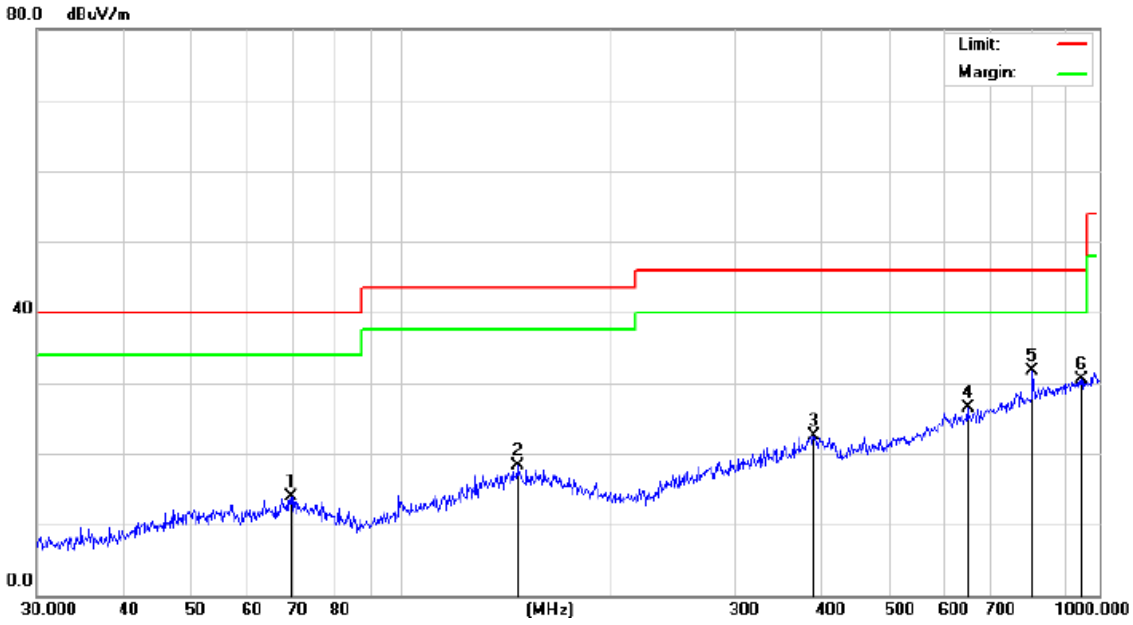
6.4 Measurement Result

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.

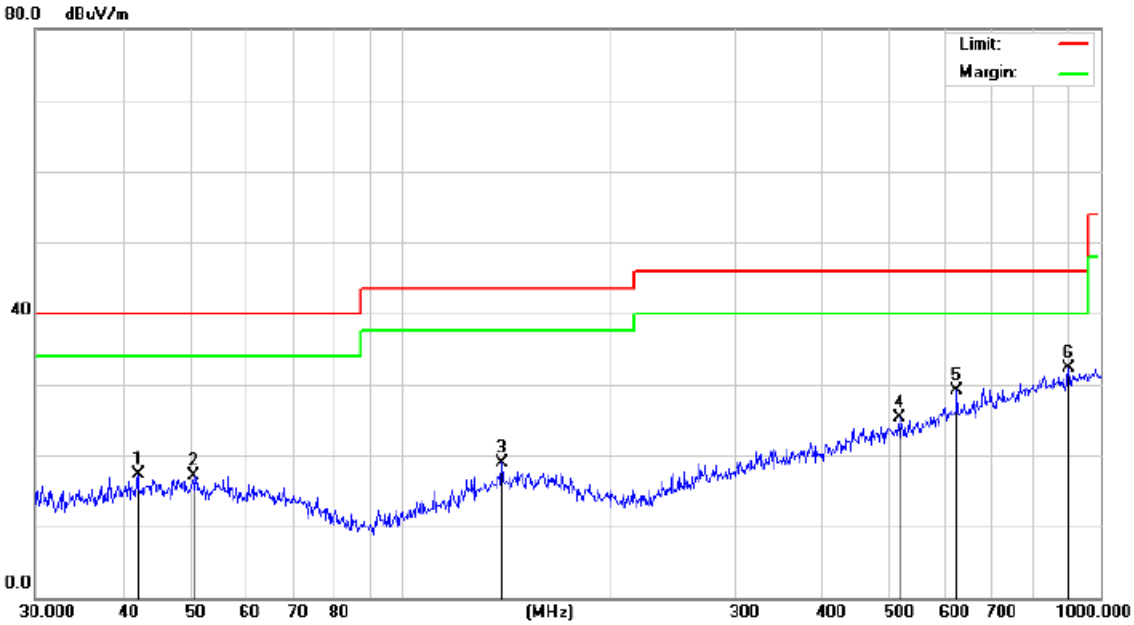
Left earphone

Radiated Emission Test Results at 30MHz-1GHz			
EUT Name	Wireless Headphone	**Model Name**	D1301
Temperature	22.1℃	**Relative Humidity**	56.4%
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		69.3568	39.16	-25.26	13.90	40.00	-26.10	peak
2		146.3735	39.09	-20.77	18.32	43.50	-25.18	peak
3		389.3548	40.19	-17.64	22.55	46.00	-23.45	peak
4		647.3855	39.40	-12.98	26.42	46.00	-19.58	peak
5	*	801.7862	41.66	-9.89	31.77	46.00	-14.23	peak
6		942.1304	38.91	-8.37	30.54	46.00	-15.46	peak

Radiated Emission Test Results at 30MHz-1GHz			
EUT Name	Wireless Headphone	**Model Name**	D1301
Temperature	22.1℃	**Relative Humidity**	56.4%
Pressure	960hPa	**Test Voltage**	DC 3.91V
Test Mode	Mode 1	**Antenna Polarity**	Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector
1		42.0065	38.95	-21.74	17.21	40.00	-22.79	peak
2		50.4089	38.22	-21.16	17.06	40.00	-22.94	peak
3		139.3611	39.33	-20.33	19.00	43.50	-24.50	peak
4		515.4374	39.11	-13.86	25.25	46.00	-20.75	peak
5		622.8899	40.01	-10.97	29.04	46.00	-16.96	peak
6	*	900.1473	39.15	-6.79	32.36	46.00	-13.64	peak

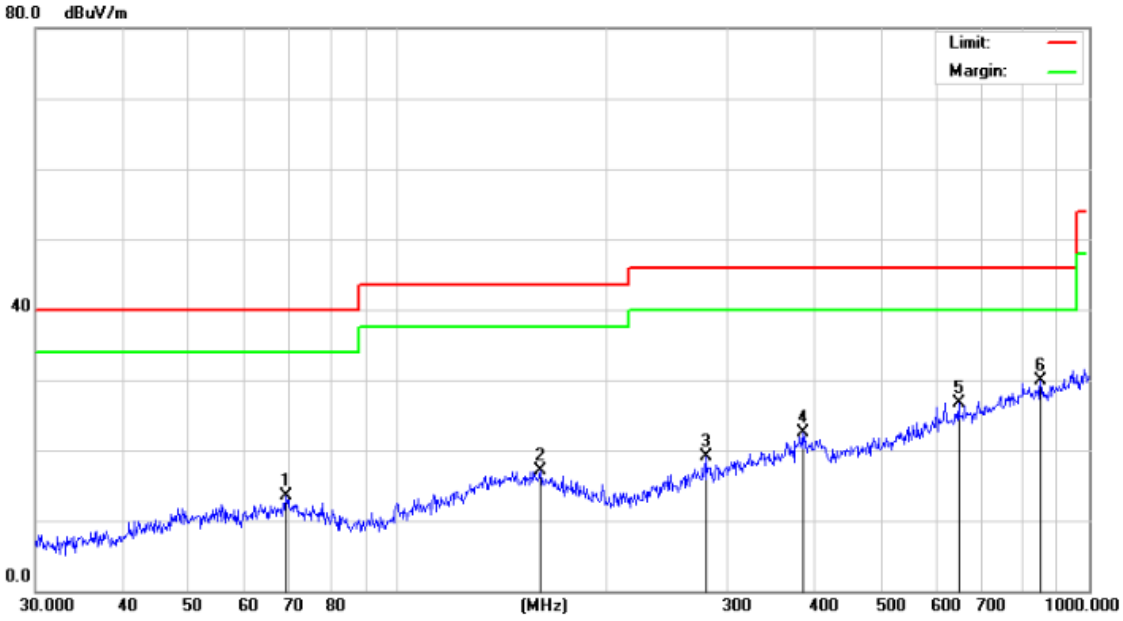
RESULT: Pass

Note:

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

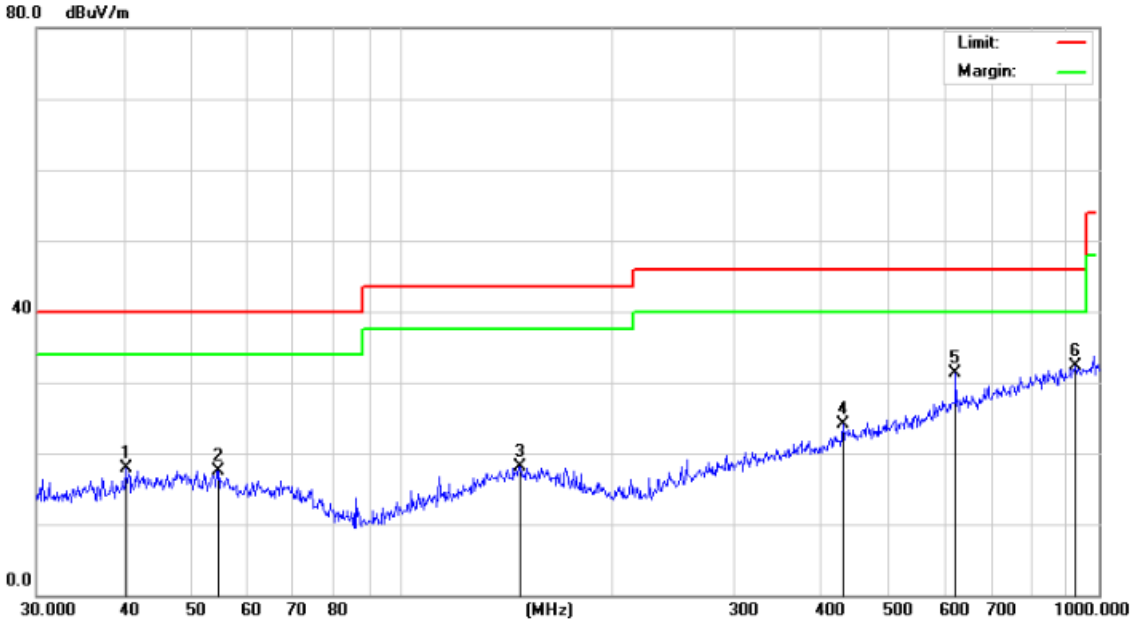
Right earphone

Radiated Emission Test Results at 30MHz-1GHz			
EUT Name	Wireless Headphone	**Model Name**	D1301
Temperature	22.1℃	**Relative Humidity**	56.4%
Pressure	960hPa	**Test Voltage**	DC 3.91V
Test Mode	Mode 4	**Antenna Polarity**	Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector
1		69.1141	38.66	-25.24	13.42	40.00	-26.58	peak
2		160.9089	37.76	-20.70	17.06	43.50	-26.44	peak
3		279.0436	39.11	-20.01	19.10	46.00	-26.90	peak
4		385.2805	40.25	-17.70	22.55	46.00	-23.45	peak
5		647.3856	39.76	-12.98	26.78	46.00	-19.22	peak
6	*	851.0353	39.27	-9.31	29.96	46.00	-16.04	peak

Radiated Emission Test Results at 30MHz-1GHz			
EUT Name	Wireless Headphone	**Model Name**	D1301
Temperature	22.1℃	**Relative Humidity**	56.4%
Pressure	960hPa	**Test Voltage**	DC 3.91V
Test Mode	Mode 4	**Antenna Polarity**	Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector
1		40.2757	39.85	-21.97	17.88	40.00	-22.12	peak
2		54.6428	38.72	-21.23	17.49	40.00	-22.51	peak
3		147.9214	37.89	-19.75	18.14	43.50	-25.36	peak
4		429.5228	39.94	-15.80	24.14	46.00	-21.86	peak
5		622.8899	42.19	-10.97	31.22	46.00	-14.78	peak
6	*	925.7563	38.70	-6.36	32.34	46.00	-13.66	peak

RESULT: Pass

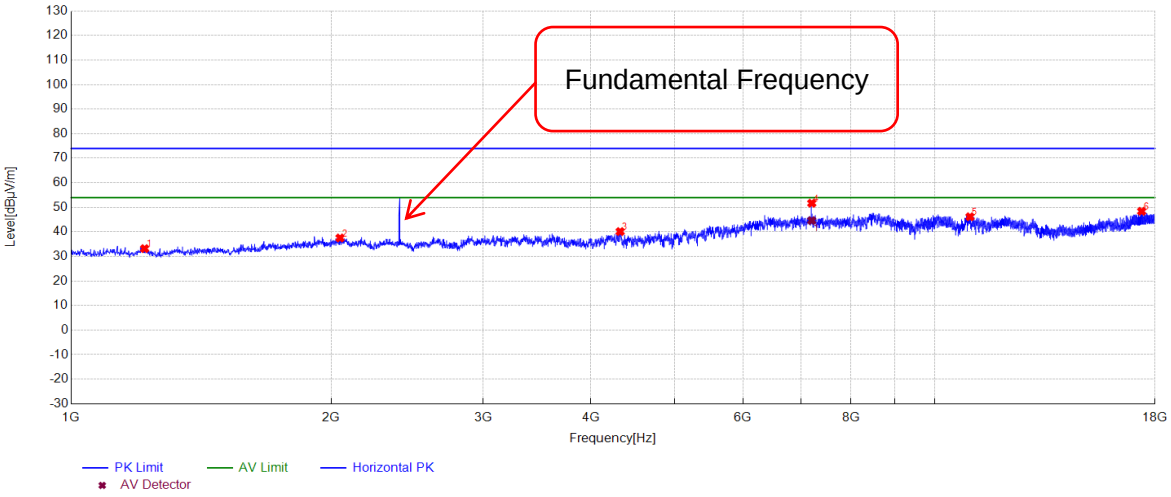
Note:

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

Left earphone

Radiated Emissions Test Results Above 1GHz

EUT Name	Wireless Headphone	Model Name	D1301
Temperature	22.1℃	Relative Humidity	55.6%
Pressure	960hPa	Test Voltage	DC 3.91V
Test Mode	Mode 1	Antenna Polarity	Horizontal



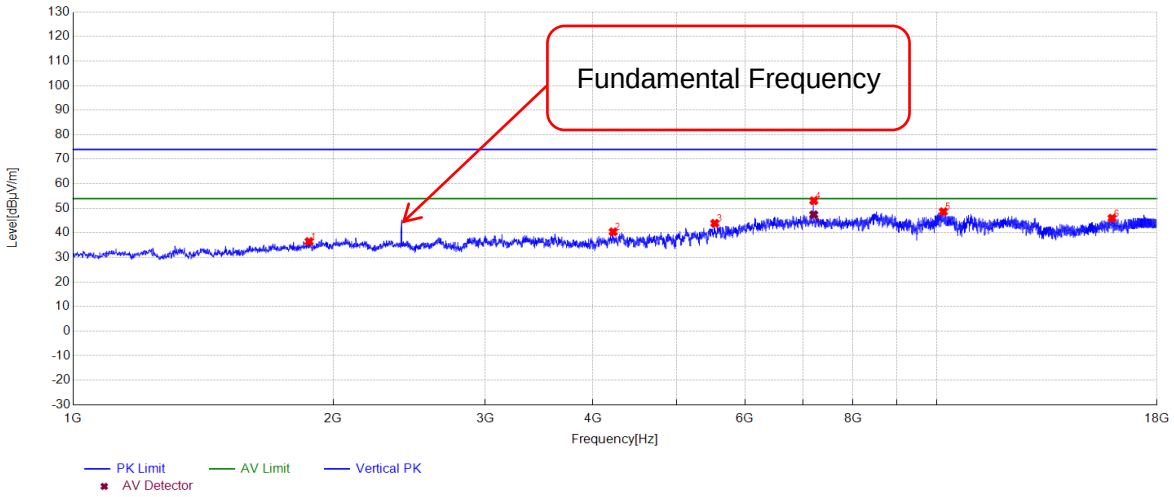
PK Data List

NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1216.481099	33.17	-18.09	74.00	40.83	150	76	Horizontal
2	2048.403227	37.52	-14.04	74.00	36.48	150	295	Horizontal
3	4323.154877	40.12	-10.07	74.00	33.88	150	335	Horizontal
4	7206.547103	51.66	-3.62	74.00	22.34	150	4	Horizontal
5	10988.732582	46.16	3.94	74.00	27.84	150	151	Horizontal
6	17368.691246	48.38	5.04	74.00	25.62	150	64	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	7205.9706	-3.62	44.62	54.00	9.38	150	4	Horizontal

EUT Name	Wireless Headphone	Model Name	D1301
Temperature	22.1℃	Relative Humidity	55.6%
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	1876.125075	36.49	-15.10	74.00	37.51	150	234	Vertical
2	4221.148077	40.44	-10.44	74.00	33.56	150	268	Vertical
3	5534.768985	43.89	-7.65	74.00	30.11	150	80	Vertical
4	7206.547103	53.09	-3.62	74.00	20.91	150	74	Vertical
5	10181.74545	48.65	1.29	74.00	25.35	150	80	Vertical
6	15967.797853	46.00	5.75	74.00	28.00	150	0	Vertical

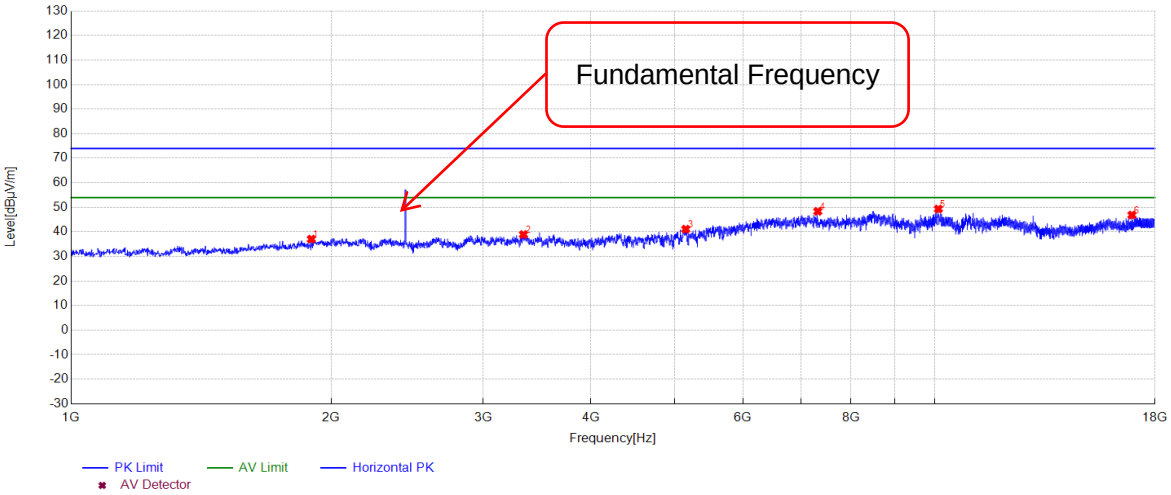
AV Final Data List

NO.	Freq. [MHz]	Factor [dB]	AV Value [dBµV/m]	AV Limit [dBµV/m]	AV Margin [dB]	Height [cm]	Angle [°]	Polarity
1	7206.0426	-3.62	47.42	54.00	6.58	150	0	Vertical

RESULT: PASS

Radiated Emissions Test Results for Above 1GHz

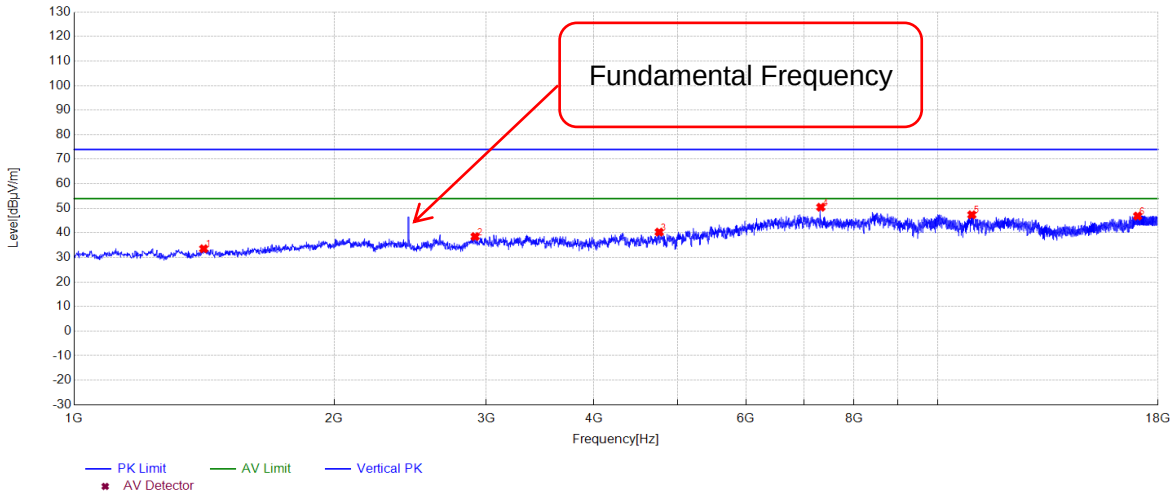
EUT Name	Wireless Headphone	Model Name	D1301
Temperature	22.1℃	Relative Humidity	55.6%
Pressure	960hPa	Test Voltage	DC 3.91V
Test Mode	Mode 2	Antenna Polarity	Horizontal



PK Data List

NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1897.659844	37.04	-14.94	74.00	36.96	150	35	Horizontal
2	3340.489366	38.91	-11.41	74.00	35.09	150	356	Horizontal
3	5149.409961	41.09	-8.74	74.00	32.91	150	127	Horizontal
4	7323.288219	48.35	-3.66	74.00	25.65	150	179	Horizontal
5	10100.140009	49.32	1.12	74.00	24.68	150	350	Horizontal
6	16926.661778	46.85	5.61	74.00	27.15	150	242	Horizontal

EUT Name	Wireless Headphone	Model Name	D1301
Temperature	22.1℃	Relative Humidity	55.6%
Pressure	960hPa	Test Voltage	DC 3.91V
Test Mode	Mode 2	Antenna Polarity	Vertical



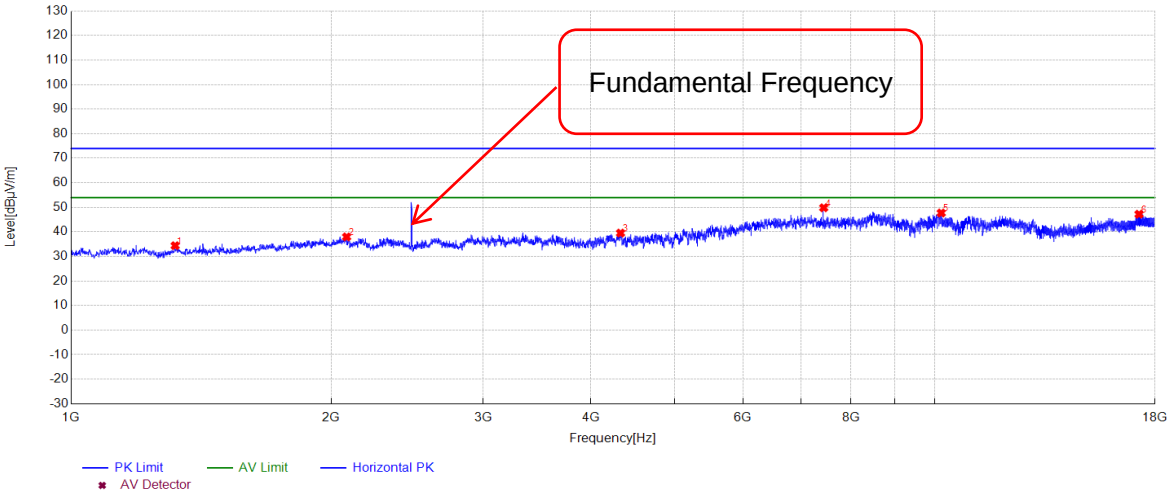
PK Data List

NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1412.560837	33.53	-17.91	74.00	40.47	150	232	Vertical
2	2913.194213	38.49	-12.16	74.00	35.51	150	112	Vertical
3	4759.517301	40.31	-9.28	74.00	33.69	150	158	Vertical
4	7323.288219	50.45	-3.66	74.00	23.55	150	83	Vertical
5	10956.997133	47.36	3.80	74.00	26.64	150	118	Vertical
6	17047.936529	46.86	5.59	74.00	27.14	150	106	Vertical

RESULT: PASS

Radiated Emissions Test Results for Above 1GHz

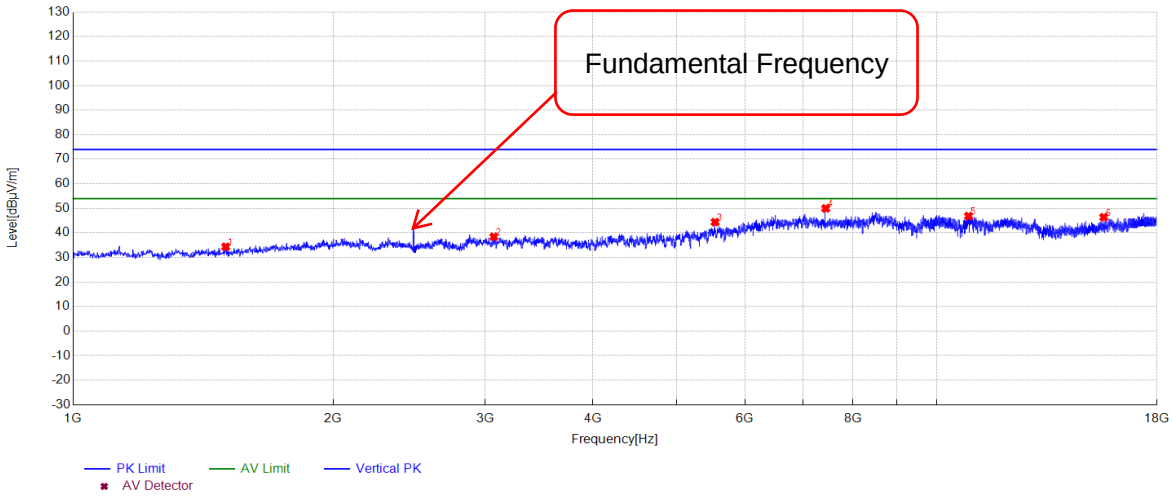
EUT Name	Wireless Headphone	Model Name	D1301
Temperature	22.1℃	Relative Humidity	55.6%
Pressure	960hPa	Test Voltage	DC 3.91V
Test Mode	Mode 3	Antenna Polarity	Horizontal



PK Data List

NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1319.621308	34.38	-18.00	74.00	39.62	150	24	Horizontal
2	2084.672312	37.94	-13.93	74.00	36.06	150	105	Horizontal
3	4327.688513	39.51	-10.05	74.00	34.49	150	2	Horizontal
4	7440.029335	49.81	-3.71	74.00	24.19	150	150	Horizontal
5	10178.345223	47.69	1.28	74.00	26.31	150	196	Horizontal
6	17249.683312	47.19	5.25	74.00	26.81	150	0	Horizontal

EUT Name	Wireless Headphone	Model Name	D1301
Temperature	22.1℃	Relative Humidity	55.6%
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	1502.10014	34.33	-17.82	74.00	39.67	150	69	Vertical
2	3070.738049	38.41	-11.94	74.00	35.59	150	228	Vertical
3	5539.30262	44.38	-7.63	74.00	29.62	150	92	Vertical
4	7440.029335	49.96	-3.71	74.00	24.04	150	92	Vertical
5	10888.9926	46.82	3.53	74.00	27.18	150	257	Vertical
6	15616.441096	46.36	4.99	74.00	27.64	150	97	Vertical

RESULT: PASS

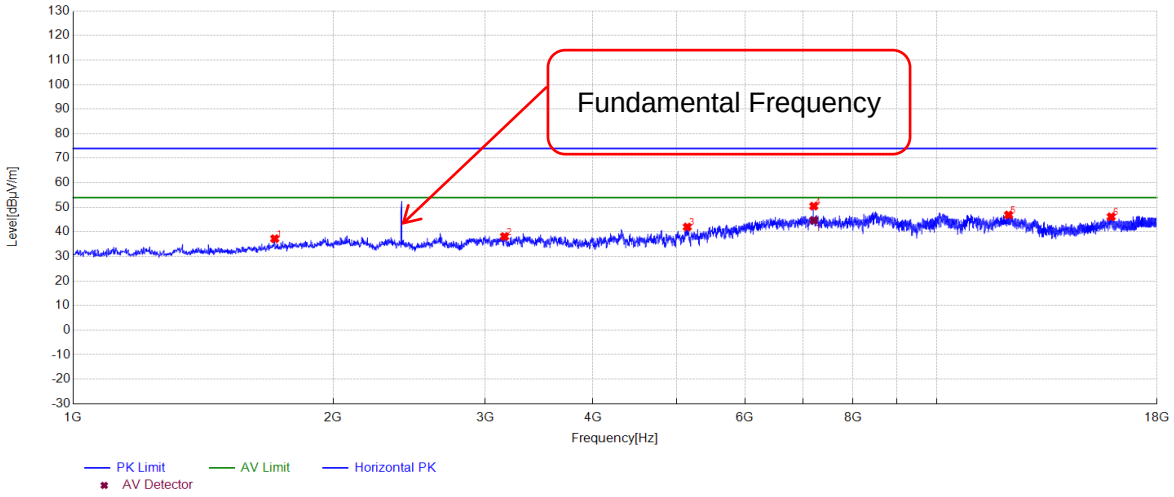
Note:

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.

Right earphone

Radiated Emissions Test Results Above 1GHz

EUT Name	Wireless Headphone	Model Name	D1301
Temperature	22.1℃	Relative Humidity	55.6%
Pressure	960hPa	Test Voltage	DC 3.91V
Test Mode	Mode 4	Antenna Polarity	Horizontal



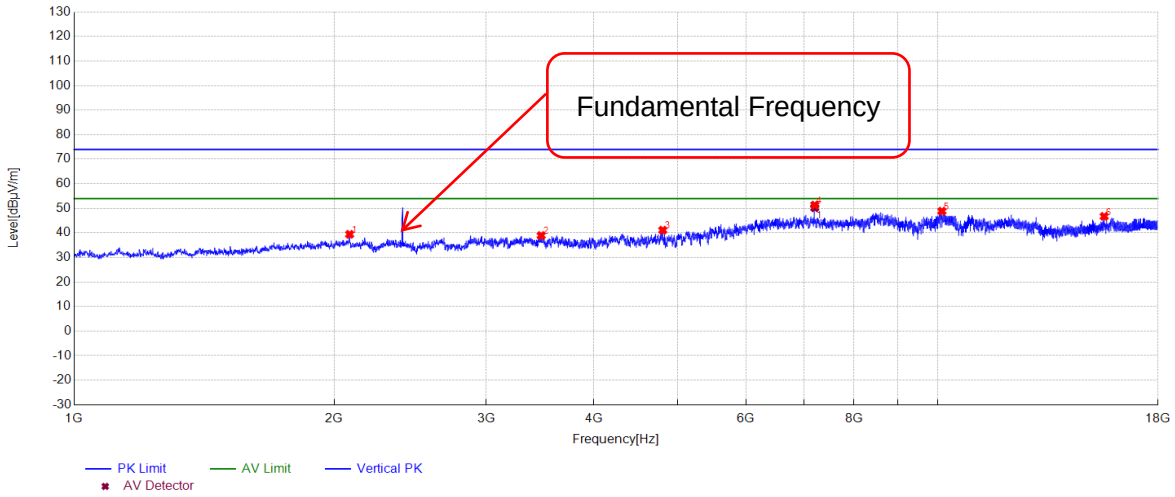
PK Data List

NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1711.780785	37.22	-16.29	74.00	36.78	150	127	Horizontal
2	3159.143943	38.10	-11.77	74.00	35.90	150	18	Horizontal
3	5143.742916	42.01	-8.75	74.00	31.99	150	53	Horizontal
4	7206.547103	50.49	-3.62	74.00	23.51	150	35	Horizontal
5	12115.341023	46.88	2.92	74.00	27.12	150	354	Horizontal
6	15930.39536	46.17	5.67	74.00	27.83	150	358	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	7206.0426	-3.62	44.69	54.00	9.31	150	35	Horizontal

EUT Name	Wireless Headphone	Model Name	D1301
Temperature	22.1℃	Relative Humidity	55.6%
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	2084.672312	39.42	-13.93	74.00	34.58	150	0	Vertical
2	3474.231615	38.92	-11.16	74.00	35.08	150	324	Vertical
3	4804.853657	41.09	-9.25	74.00	32.91	150	330	Vertical
4	7206.547103	51.33	-3.62	74.00	22.67	150	283	Vertical
5	10114.874325	48.83	1.15	74.00	25.17	150	68	Vertical
6	15593.772918	46.71	4.95	74.00	27.29	150	231	Vertical

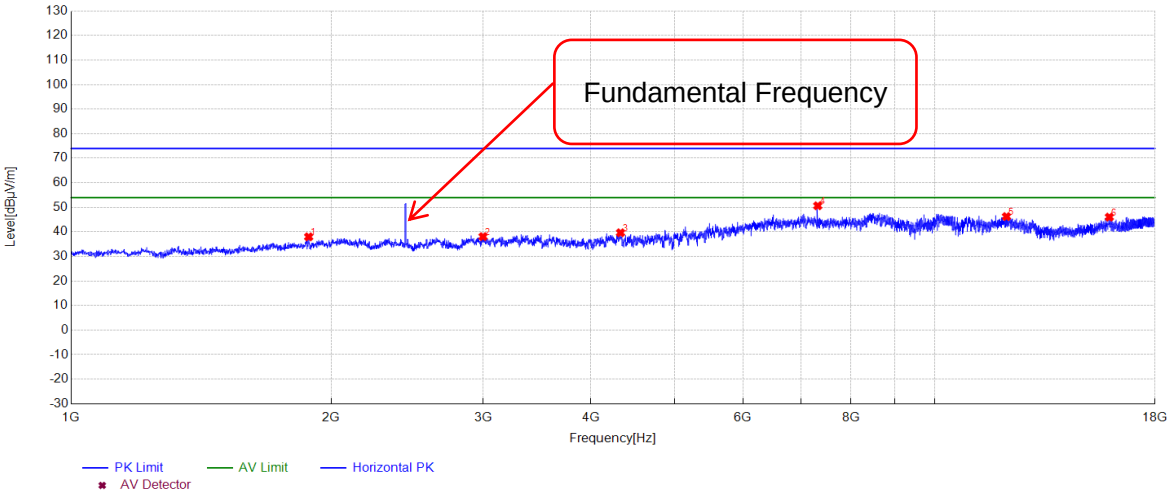
AV Final Data List

NO.	Freq. [MHz]	Factor [dB]	AV Value [dBµV/m]	AV Limit [dBµV/m]	AV Margin [dB]	Height [cm]	Angle [°]	Polarity
1	7205.9706	-3.62	50.23	54.00	3.77	150	283	Vertical

RESULT: PASS

Radiated Emissions Test Results for Above 1GHz

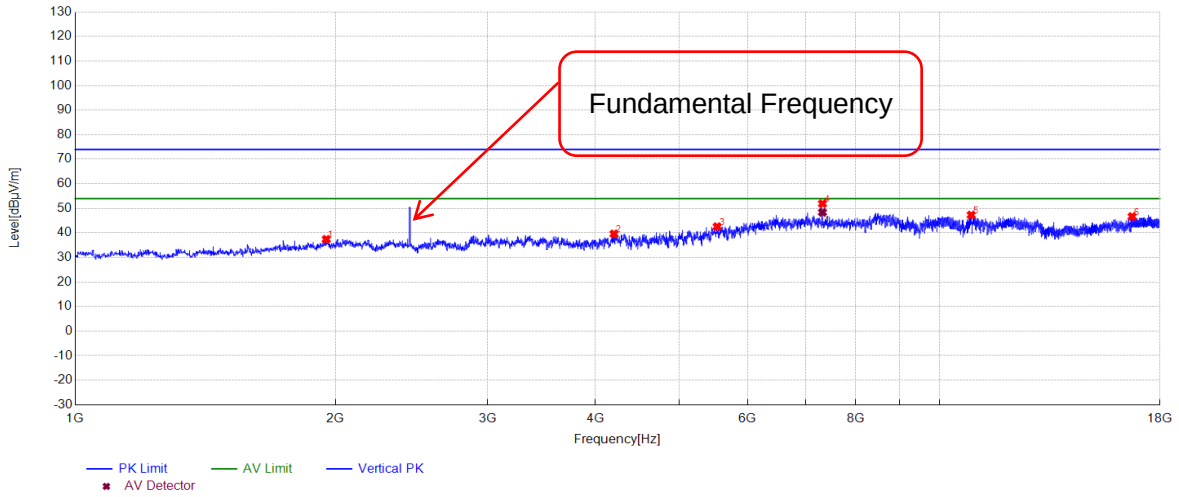
EUT Name	Wireless Headphone	Model Name	D1301
Temperature	22.1℃	Relative Humidity	55.6%
Pressure	960hPa	Test Voltage	DC 3.91V
Test Mode	Mode 5	Antenna Polarity	Horizontal



PK Data List

NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1884.058937	37.97	-15.04	74.00	36.03	150	25	Horizontal
2	2999.333289	38.07	-12.07	74.00	35.93	150	43	Horizontal
3	4327.688513	39.64	-10.05	74.00	34.36	150	244	Horizontal
4	7323.288219	50.62	-3.66	74.00	23.38	150	43	Horizontal
5	12111.940796	46.24	2.92	74.00	27.76	150	9	Horizontal
6	15936.062404	46.03	5.68	74.00	27.97	150	163	Horizontal

EUT Name	Wireless Headphone	Model Name	D1301
Temperature	22.1℃	Relative Humidity	55.6%
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	1952.063471	37.37	-14.55	74.00	36.63	150	162	Vertical
2	4201.880125	39.59	-10.51	74.00	34.41	150	174	Vertical
3	5531.368758	42.53	-7.66	74.00	31.47	150	335	Vertical
4	7323.288219	51.91	-3.66	74.00	22.09	150	283	Vertical
5	10885.592373	47.28	3.51	74.00	26.72	150	6	Vertical
6	16711.314088	46.65	5.42	74.00	27.35	150	128	Vertical

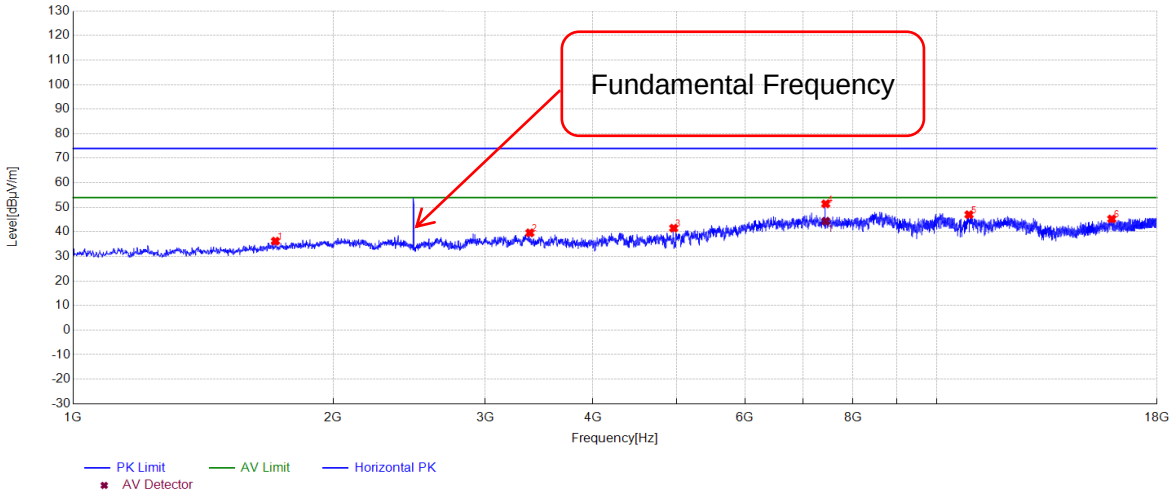
AV Final Data List

NO.	Freq. [MHz]	Factor [dB]	AV Value [dBµV/m]	AV Limit [dBµV/m]	AV Margin [dB]	Height [cm]	Angle [°]	Polarity
1	7323.0685	-3.66	48.36	54.00	5.64	150	283	Vertical

RESULT: PASS

Radiated Emissions Test Results for Above 1GHz

EUT Name	Wireless Headphone	Model Name	D1301
Temperature	22.1℃	Relative Humidity	55.6%
Pressure	960hPa	Test Voltage	DC 3.91V
Test Mode	Mode 6	Antenna Polarity	Horizontal



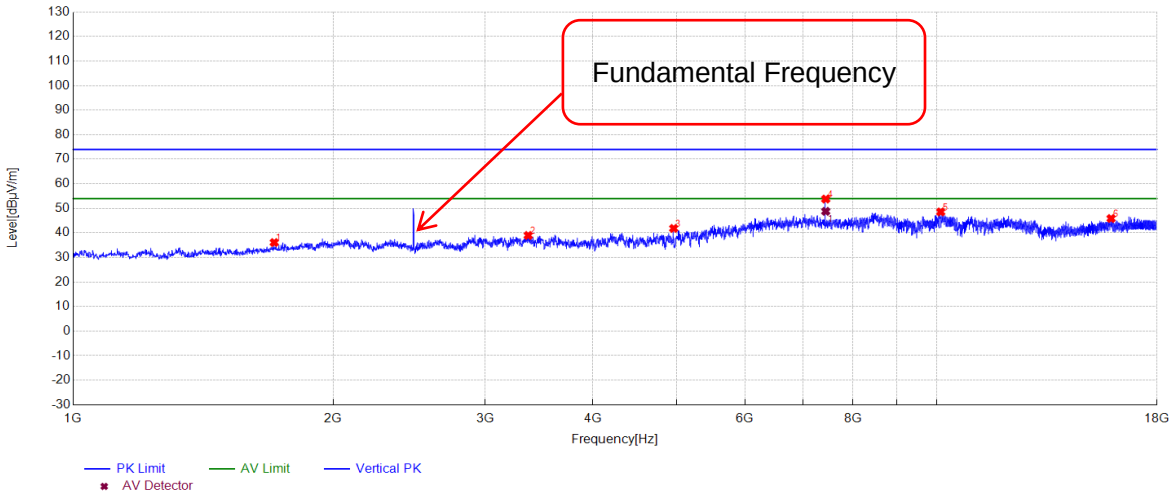
PK Data List

NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1715.181012	36.23	-16.26	74.00	37.77	150	88	Horizontal
2	3380.158677	39.59	-11.34	74.00	34.41	150	192	Horizontal
3	4960.130675	41.50	-9.16	74.00	32.50	150	352	Horizontal
4	7440.029335	51.39	-3.71	74.00	22.61	150	14	Horizontal
5	10902.593506	47.01	3.58	74.00	26.99	150	244	Horizontal
6	15954.196947	45.25	5.72	74.00	28.75	150	0	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	7440.4013	-3.71	44.34	54.00	9.66	150	14	Horizontal

EUT Name	Wireless Headphone	Model Name	D1301
Temperature	22.1℃	Relative Humidity	55.6%
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	1709.513968	36.07	-16.31	74.00	37.93	150	196	Vertical
2	3365.424362	38.95	-11.37	74.00	35.05	150	242	Vertical
3	4960.130675	41.82	-9.16	74.00	32.18	150	115	Vertical
4	7440.029335	53.77	-3.71	74.00	20.23	150	288	Vertical
5	10110.340689	48.54	1.15	74.00	25.46	150	173	Vertical
6	15923.594906	45.85	5.66	74.00	28.15	150	173	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	7440.0293	-3.71	48.77	54.00	5.23	150	288	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 π /4-DQPSK is the worst case and recorded in the report.

Appendix I: Photographs of Test Setup

Refer to the Report No.: AGC01110250452AP01A

Appendix II: Photographs of Test EUT

Refer to the Report No.: AGC01110250452AP02A

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-----