

TEST REPORT

Applicant : Daximen (Shenzhen) Technology Co., Ltd.
Address : 2002, Chuanghui Building, Wuhe Community, Bantian Street,
Longgang District, Shenzhen, China
Manufacturer : Daximen (Shenzhen) Technology Co., Ltd.
Address : 2002, Chuanghui Building, Wuhe Community, Bantian Street,
Longgang District, Shenzhen, China
Product Name : Wireless Headphone
Model Number : S10
Trademark : N/A
FCC ID : 2BBOA-S10
Test Date : Jun. 17, 2026 – Jul. 29, 2026
Date of Report : Jul. 30, 2026

Test Result : This device described above has been tested by NTT, and the test results show that the equipment under test (EUT) is in compliance with the Standard requirements. And it is applicable only to the tested sample identified in the report.

Test Procedure Used:

Standards : FCC CFR Title 47 Part 15 Subpart C Section 15.247
ANSI C63.10-2020 + Cor. 1-2023+C63.10a-2024 + Errata to
C63.10a-2024
KDB 558074 D01 15.247 Meas Guidance v05r02

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TABLE OF CONTENT

1. General Information	4
1.1. Description of Device (EUT)	4
1.2. Channel List	4
1.3. Summary of test result	5
1.4. Special Accessories and Auxiliary Equipment	5
1.5. Test mode	5
1.6. Test configuration	5
1.7. Block Diagram	6
1.8. Test Conditions	6
1.9. Measurement Uncertainty (95% confidence levels, k=2)	6
1.10. Test Facility	7
1.11. Test Equipment	8
2. Conducted emission at the mains terminals test	10
2.1. Limit	10
2.2. Test Setup	10
2.3. Test Procedure	10
2.4. Test Result	11
3. Radiated Spurious Emissions	15
3.1. Limit	15
3.2. Test Setup	16
3.3. Test Procedure	18
3.4. Test Result	19
4. Conducted Spurious Emissions	29
4.1. Limit	29
4.2. Test Setup	29
4.3. Test Procedure	29
4.4. Test Result	30
5. Band Edge Measurement	31
5.1. Limit	31
5.2. Test setup	31
5.3. Test Procedure	31
5.4. Test Result	31
6. -6 dB Bandwidth and 99% Bandwidth Measurement	32
6.1. Limit	32
6.2. Test Setup	32
6.3. Test Procedure	32
6.4. Test Result	32
7. Maximum Peak Output Power	33
7.1. Limit	33
7.2. Test Setup	33
7.3. Test Procedure	33
7.4. Test Result	33
8. Power Spectral density	34
8.1. Limit	34
8.2. Test Setup	34
8.3. Test Procedure	34
8.4. Test Result	34
9. Antenna Requirement	35
10. TEST SETUP & EUT PHOTOGRAPH	36

Revision History of This Test Report

[illegible]

1. General Information

1.1. Description of Device (EUT)

EUT Name : Wireless Headphone
Model No. : S10
Serial Model No : N/A
Model Difference : N/A
Power supply : DC 3.7V from battery; Charging input: DC 5V
Operation frequency : 2402-2480MHz
Modulation : GFSK
Antenna Type : Chip antenna, Maximum Gain is 2.78 dBi
Intend use environment : Residential, commercial and light industrial environment

1.2. Channel List

Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
00	2402	14	2430	28	2458
01	2404	15	2432	29	2460
02	2406	16	2434	30	2462
03	2408	17	2436	31	2464
04	2410	18	2438	32	2466
05	2412	19	2440	33	2468
06	2414	20	2442	34	2470
07	2416	21	2444	35	2472
08	2418	22	2446	36	2474
09	2420	23	2448	37	2476
10	2422	24	2450	38	2478
11	2424	25	2452	39	2480
12	2426	26	2454		
13	2428	27	2456		

1.3.Summary of test result

RF PART		
Test Items	Test Requirement	Result
Antenna requirement	FCC part 15.203/15.247 (b)(4)	PASS
AC Power Line Conducted Emission	FCC part 15.207	PASS
Conducted Peak Output Power	FCC part 15.247 (b)(3)	PASS
Channel Bandwidth& 99% OCB	FCC part 15.247 (a)(2)	PASS
Power Spectral Density	FCC part 15.247 (e)	PASS
Band Edge	FCC part 15.247(d)	PASS
Spurious Emission	FCC part 15.205/15.209	PASS
Remark: N/A is an abbreviation for Not Applicable. Measurement Uncertainty is not taken into account for conformity statement		

1.4.Special Accessories and Auxiliary Equipment

Description	Manufacturer	Model No.	Hardware Version	Software Version
/	/	/	/	/

1.5.Test mode

The special RF test software was used to control EUT work in Continuous BLE TX mode, and select test channel, wireless mode.

Test mode	Low channel	Middle channel	High channel
GFSK	2402MHz	2440MHz	2480MHz

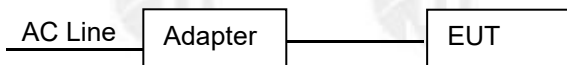
Note: Only the worst Data Record in the report

1.6. Test configuration

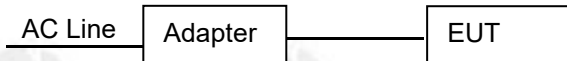
Transmitting mode	Keep the EUT in continuously transmitting mode.
Remark: During the test, the test voltage was tuned from 85% to 115% of the nominal rated supply voltage, and found that the worst case was under the nominal rated supply condition. So the report just shows that condition's data.	
Test Software	FCC_assist_1.0.1.1
Power level setup	Default

1.7. Block Diagram

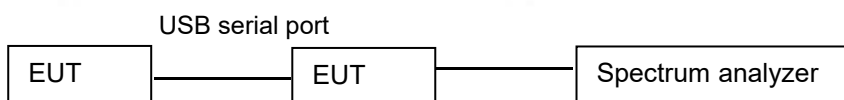
Conducted Emission



Radiated Emission



RF Conducted Test



1.8. Test Conditions

Category	Normal Conditions	Extreme Conditions
Temperature range	15-35°C	N/A
Humidity range	20-75%	N/A
Pressure range	86-106kPa	N/A
Power supply	DC 3.7V	N/A

Note: N/A is an abbreviation for Not Applicable.

1.9. Measurement Uncertainty (95% confidence levels, k=2)

Parameter	Uncertainty
RF output power, conducted	±1.0dB
Power Spectral Density, conducted	±2.2dB
Radio Frequency	± 1 x 10 ⁻⁶
Bandwidth	± 1.5 x 10 ⁻⁶
Time	±2%
Duty Cycle	±2%
Temperature	±1°C
Humidity	±5%
DC and low frequency voltages	±3%
Conducted Emissions (150kHz~30MHz)	±3.64dB
Radiated Emission(9KHz~30MHz)	±4.51dB
Radiated Emission(30MHz~1GHz)	±5.03dB
Radiated Emission(1GHz~25GHz)	±4.74dB

Remark: When making a conformity declaration based on test results for regulations/standards or specifications, the default is to use Clause 4.2.1 of ILAC-G8:09/2019 and the guidelines on decision rules and conformity declaration in IEC Guide 115:2023.

1.10.Test Facility

Site Description		
Name of Firm	:	Shenzhen NTT Testing Technology Co.,Ltd.
Site Location	:	1B, Building 2, Factory Building & 103, Building 3, Factory Building, Dayang Industrial Park, No.4, Industrial Avenue, Tangwei Community, Fuhai Sub-district, Bao 'an District, Shenzhen City, Guangdong, China
FCC Designation Number	:	CN3446
FCC Test Firm Registration Number	:	129414

1.11.Test Equipment

Conducted Test Site

Name	Model No.	Serial No.	Manufacturer	Date of Cal.	Due Date
944 Shielded Room	HSRCE944	/	HTEC	2025/4/30	2028/4/29
EMI Test Receiver	ESPI	/	RS	2025/9/8	2026/9/7
LISN	NNLK 8129	00603	Schwarzbeck	2025/9/8	2026/9/7
LISN	NNHV 8123-400	00694	Schwarzbeck	2025/9/8	2026/9/7
LISN	NNHV 8123-400	00680	Schwarzbeck	2025/9/8	2026/9/7
Cable	RG223-1500MM	NA	RG	2025/9/8	2026/9/7

Radiated Test Site(Below 1G and Above 1G)&RF Test Site

Name	Model No.	Serial No.	Manufacturer	Date of Cal.	Due Date
966 Shielded Room	966 Room	/	EMToni	2025/7/24	2028/7/23
EMI Test Receiver	ESCI	101018	RS	2025/9/8	2026/9/7
Amplifier (30MHz-1GHz)	BBV 9718D	00042	SCHWARZBECK	2025/9/8	2026/9/7
Bilog Antenna (30MHz-1GHz)	VULB9168	1858	SCHWARZBECK	2025/9/9	2026/9/8
Horn antenna (1GHz-18GHz)	BBHA 9120 D	02622	SCHWARZBECK	2025/9/9	2026/9/8
Preamplifier (1GHz-18GHz)	BBV 9718D	0024	SCHWARZBECK	2025/9/8	2026/9/7
Spectrum Analyzer (10Hz-40GHz)	FSV 40	100952	Rohde & Schwarz	2025/9/8	2026/9/7
Preamplifier (18GHz-40GHz)	BBV 9721	0056	SCHWARZBECK	2025/9/8	2026/9/7
Double Ridge Guide Horn Antenna (18GHz-40GHz)	SAS-574	588	A.H.System	2025/9/8	2026/9/7
Loop Antenna (9KHz-30MHz)	FMZB1519B	014	SCHWARZBECK	2025/9/8	2026/9/7
Amplifier (9KHz-30MHz)	CVP 9222 C	00109	SCHWARZBECK	2025/9/8	2026/9/7
MXG Signal Analyzer	N9020A	MY50510202	Agilent	2025/9/8	2026/9/7
MXG Vector Signal Generator	N5182A	MY50140020	Agilent	2025/9/8	2026/9/7

MXG Analog Signal Generator	N5181A	MY474209 19	Agilent	2025/9/8	2026/9/7
Power Sensor	TR1029-2	512364	Techoy	2025/9/8	2026/9/7
RF Swith	TR1029-1	512364	Techoy	2025/9/8	2026/9/7
Cable	DA800- 4000MM	NA	DA	2025/9/8	2026/9/7
Cable	DA800- 11000MM	NA	DA	2025/9/8	2026/9/7

Test software

Item	Name	Manufacturer	Model	Software version
1	EMC Conduction Test System	FALA	EZ-EMC	Ver.EMC-CON 3A1.1+
2	EMC radiation test system	FALA	EZ-EMC	Ver.FA-03A2 RE+
3	RF test system	TACHOY	RFTest	V1.0.0
4	RF communication test system	TACHOY	RFTest	V1.0.0

2. Conducted emission at the mains terminals test

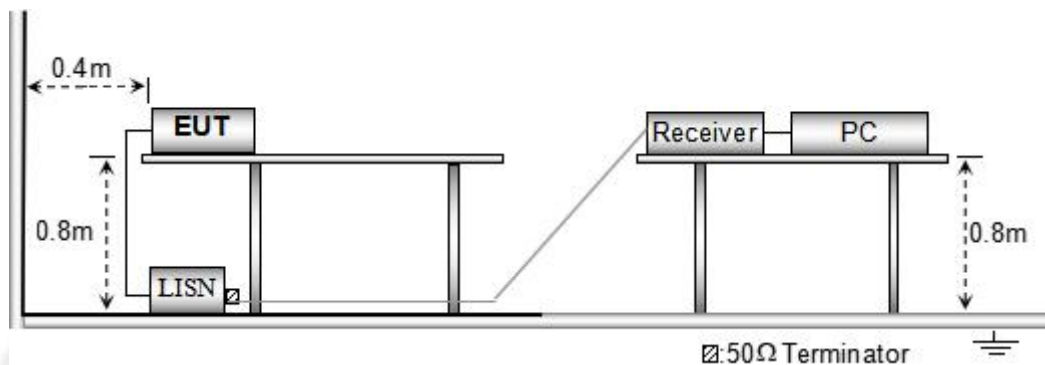
2.1.Limit

Test Requirement:	FCC Part15 C Section 15.207
Test Method:	ANSI C63.10-2020 + Cor. 1-2023+C63.10a-2024 + Errata to C63.10a-2024
Test Frequency Range:	150KHz to 30MHz
Receiver setup:	RBW=9KHz, VBW=30KHz, Sweep time=auto

Frequency MHz	Limits dB(μV)	
	Quasi-peak Level	Average Level
0.15 ~ 0.50	66 ~ 56*	56 ~ 46*
0.50 ~ 5.00	56	46
5.00 ~ 30.00	60	50

Notes: 1. *Decreasing linearly with logarithm of frequency.
2. The lower limit shall apply at the transition frequencies.

2.2.Test Setup



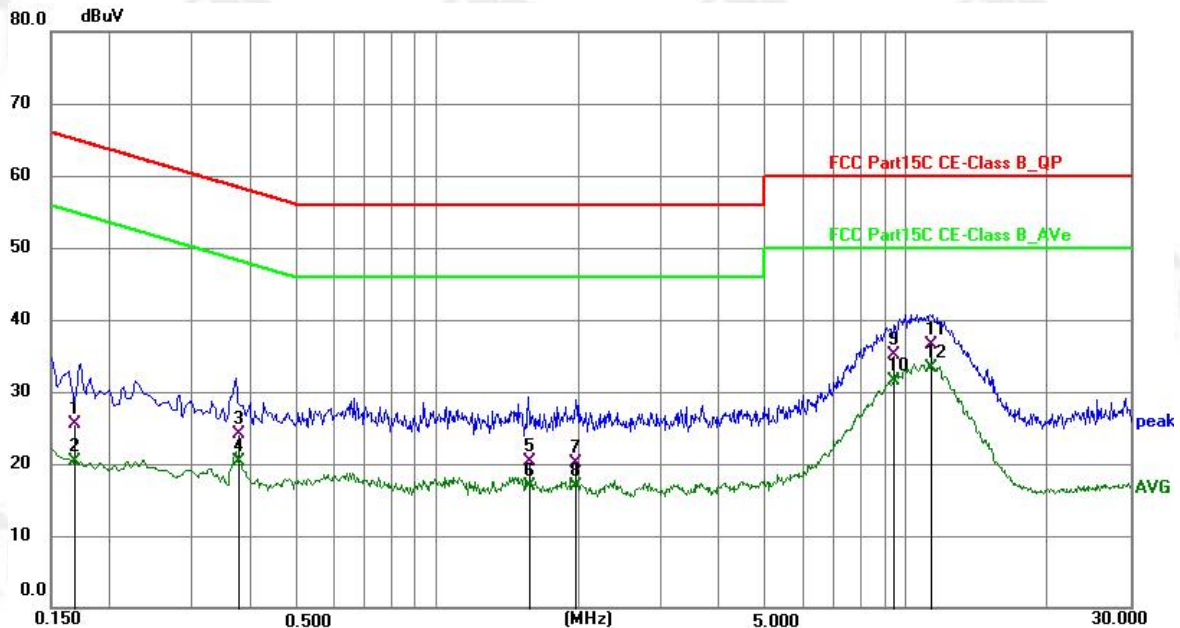
2.3.Test Procedure

1. The EUT was placed 0.8 meters from the horizontal ground plane with EUT being connected to the power mains through a line impedance stabilization network (LISN). All other support equipments powered from additional LISN(s). The LISN provide 50 Ohm/ 50uH of coupling impedance for the measuring instrument.
2. Interconnecting cables that hang closer than 40 cm to the ground plane shall be folded back and forth in the center forming a bundle 30 to 40 cm long.
3. I/O cables that are not connected to a peripheral shall be bundled in the center. The end of the cable may be terminated, if required, using the correct terminating impedance. The overall length shall not exceed 1 m.
4. LISN at least 80 cm from nearest part of EUT chassis.
5. For the actual test configuration, please refer to the related Item - EUT Test Photos.

2.4.Test Result

Conducted Emission At The Mains Terminals Test Data			
Temperature:	25.1℃	Relative Humidity:	56%
Pressure:	1008hPa	Phase :	Line
Test Voltage :	DC 5V from Adapter Input AC 120V/60Hz	Test Mode:	GFSK(CH00)

Left Wireless Headphone test data



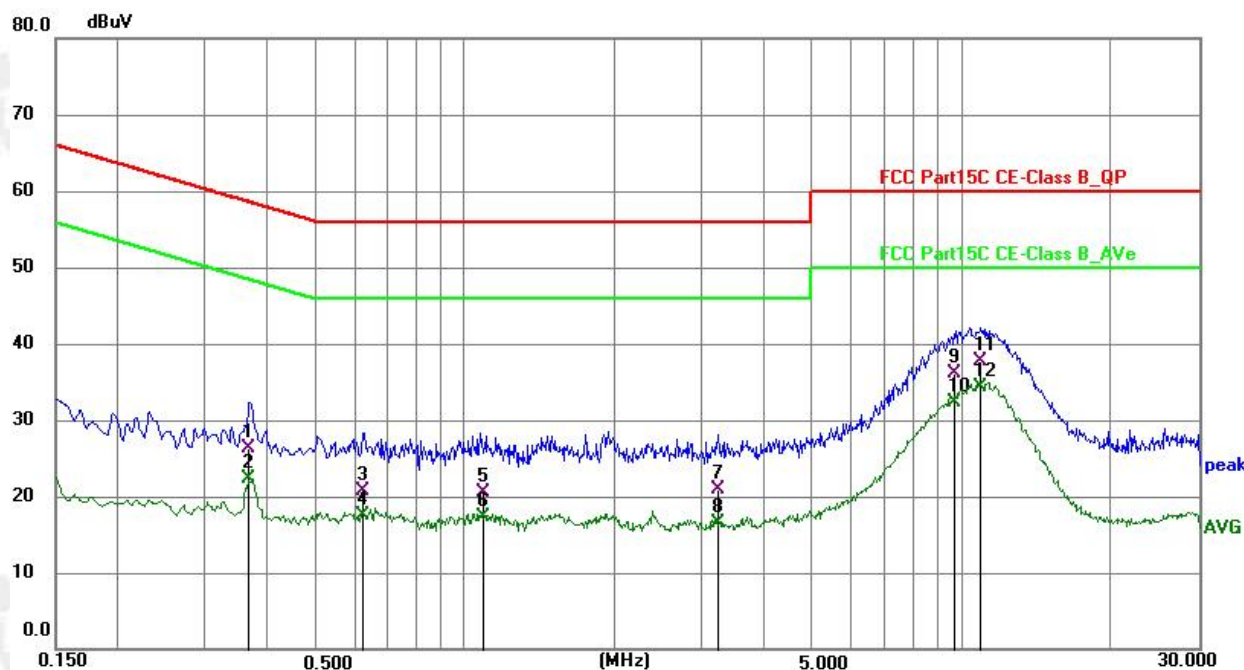
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector
1	0.1682	15.28	10.18	25.46	65.05	-39.59	QP
2	0.1682	10.04	10.18	20.22	55.05	-34.83	AVG
3	0.3777	13.95	10.13	24.08	58.33	-34.25	QP
4	0.3777	10.27	10.13	20.40	48.33	-27.93	AVG
5	1.5734	10.15	10.14	20.29	56.00	-35.71	QP
6	1.5734	6.82	10.14	16.96	46.00	-29.04	AVG
7	1.9894	10.00	10.16	20.16	56.00	-35.84	QP
8	1.9894	6.84	10.16	17.00	46.00	-29.00	AVG
9	9.4416	24.69	10.33	35.02	60.00	-24.98	QP
10	9.4416	21.21	10.33	31.54	50.00	-18.46	AVG
11	11.3615	26.16	10.39	36.55	60.00	-23.45	QP
12 *	11.3615	22.87	10.39	33.26	50.00	-16.74	AVG

Note:

1. Quasi-Peak and Average measurement were performed at the frequencies with maximized peak emission.
2. Margin = Reading level + Correct Factor - Limit
3. All the modes have tested and recorded the worst mode in the report

Conducted Emission At The Mains Terminals Test Data			
Temperature:	25.1°C	Relative Humidity:	56%
Pressure:	1008hPa	Phase :	Neutral
Test Voltage :	DC 5V from Adapter Input AC 120V/60Hz	Test Mode:	GFSK(CH00)

Left Wireless Headphone test data



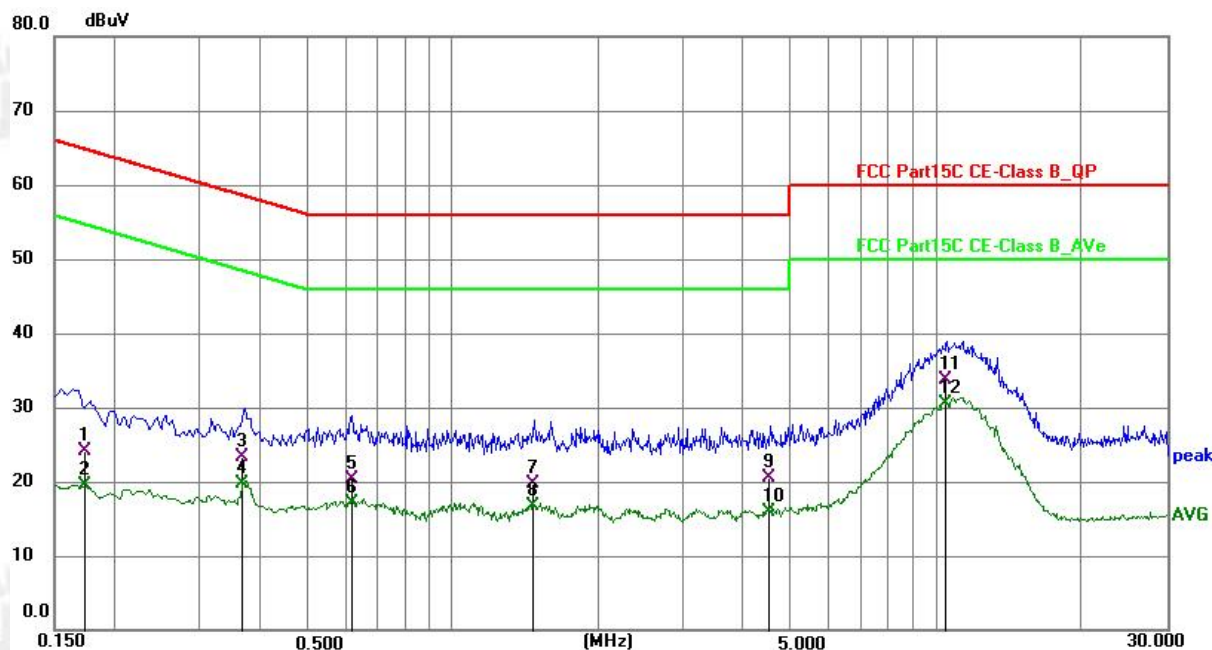
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector
1	0.3673	16.17	10.12	26.29	58.56	-32.27	QP
2	0.3673	12.16	10.12	22.28	48.56	-26.28	AVG
3	0.6262	10.50	10.12	20.62	56.00	-35.38	QP
4	0.6262	7.32	10.12	17.44	46.00	-28.56	AVG
5	1.0914	10.29	10.13	20.42	56.00	-35.58	QP
6	1.0914	7.11	10.13	17.24	46.00	-28.76	AVG
7	3.2433	10.77	10.19	20.96	56.00	-35.04	QP
8	3.2433	6.25	10.19	16.44	46.00	-29.56	AVG
9	9.6952	25.77	10.34	36.11	60.00	-23.89	QP
10	9.6952	21.99	10.34	32.33	50.00	-17.67	AVG
11	10.9103	27.24	10.38	37.62	60.00	-22.38	QP
12 *	10.9103	24.02	10.38	34.40	50.00	-15.60	AVG

Note:

1. Quasi-Peak and Average measurement were performed at the frequencies with maximized peak emission.
2. Margin = Reading level + Correct Factor - Limit
3. All the modes have tested and recorded the worst mode in the report

Conducted Emission At The Mains Terminals Test Data			
Temperature:	25.1°C	Relative Humidity:	56%
Pressure:	1008hPa	Phase :	Line
Test Voltage :	DC 5V from Adapter Input AC 120V/60Hz	Test Mode:	GFSK(CH00)

Right Wireless Headphone test data



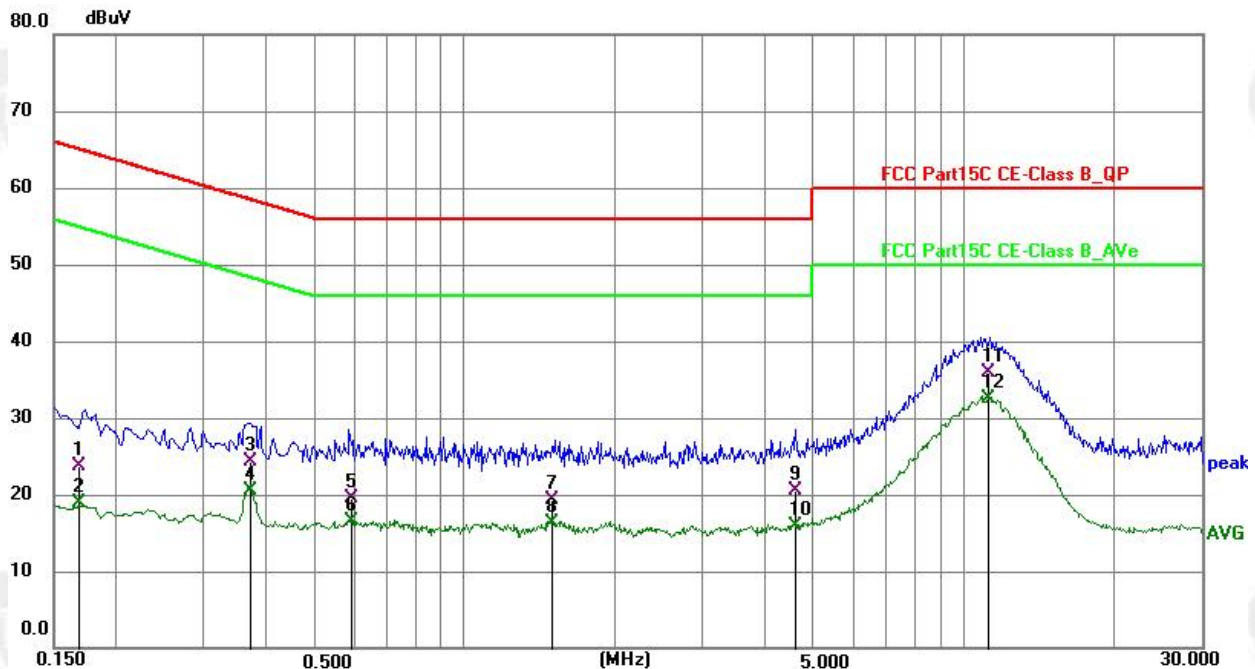
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector
1	0.1739	4.63	19.55	24.18	64.77	-40.59	QP
2	0.1739	-0.07	19.55	19.48	54.77	-35.29	AVG
3	0.3672	3.81	19.53	23.34	58.56	-35.22	QP
4	0.3672	0.12	19.53	19.65	48.56	-28.91	AVG
5	0.6199	0.84	19.53	20.37	56.00	-35.63	QP
6	0.6199	-2.40	19.53	17.13	46.00	-28.87	AVG
7	1.4648	0.21	19.55	19.76	56.00	-36.24	QP
8	1.4648	-2.84	19.55	16.71	46.00	-29.29	AVG
9	4.5276	0.90	19.60	20.50	56.00	-35.50	QP
10	4.5276	-3.71	19.60	15.89	46.00	-30.11	AVG
11	10.5289	14.14	19.62	33.76	60.00	-26.24	QP
12 *	10.5289	10.81	19.62	30.43	50.00	-19.57	AVG

Note:

1. Quasi-Peak and Average measurement were performed at the frequencies with maximized peak emission.
2. Margin = Reading level + Correct Factor - Limit
3. All the modes have tested and recorded the worst mode in the report

Conducted Emission At The Mains Terminals Test Data			
Temperature:	25.1°C	Relative Humidity:	56%
Pressure:	1008hPa	Phase :	Neutral
Test Voltage :	DC 5V from Adapter Input AC 120V/60Hz	Test Mode:	GFSK(CH00)

Right Wireless Headphone test data



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector
1	0.1689	4.22	19.56	23.78	65.01	-41.23	QP
2	0.1689	-0.68	19.56	18.88	55.01	-36.13	AVG
3	0.3729	4.85	19.52	24.37	58.44	-34.07	QP
4	0.3729	1.06	19.52	20.58	48.44	-27.86	AVG
5	0.5930	-0.08	19.53	19.45	56.00	-36.55	QP
6	0.5930	-3.12	19.53	16.41	46.00	-29.59	AVG
7	1.5060	-0.23	19.55	19.32	56.00	-36.68	QP
8	1.5060	-3.22	19.55	16.33	46.00	-29.67	AVG
9	4.6106	0.82	19.60	20.42	56.00	-35.58	QP
10	4.6106	-3.60	19.60	16.00	46.00	-30.00	AVG
11	11.2725	16.21	19.65	35.86	60.00	-24.14	QP
12 *	11.2725	12.89	19.65	32.54	50.00	-17.46	AVG

Note:

1. Quasi-Peak and Average measurement were performed at the frequencies with maximized peak emission.
2. Margin = Reading level + Correct Factor - Limit
3. All the modes have tested and recorded the worst mode in the report

3. Radiated Spurious Emissions

3.1.Limit

Test Requirement: FCC CFR47 Part 15 Section 15.209 & 15.247
 Test Method: KDB 558074 D01 15.247 Meas Guidance v05r02 April 2, 2019;
 ANSI C63.10-2020 + Cor. 1-2023+C63.10a-2024 + Errata to C63.10a-2024
 Test Result: PASS
 Measurement Distance: 3m

Frequency	Detector	RBW	VBW	Value
9KHz-150KHz	Quasi-peak	200Hz	600Hz	Quasi-peak
150KHz-30MHz	Quasi-peak	9KHz	30KHz	Quasi-peak
30MHz-1GHz	Quasi-peak	100KHz	300KHz	Quasi-peak
Above 1GHz	Peak	1MHz	3MHz	Peak
	Peak	1MHz	10Hz	Average

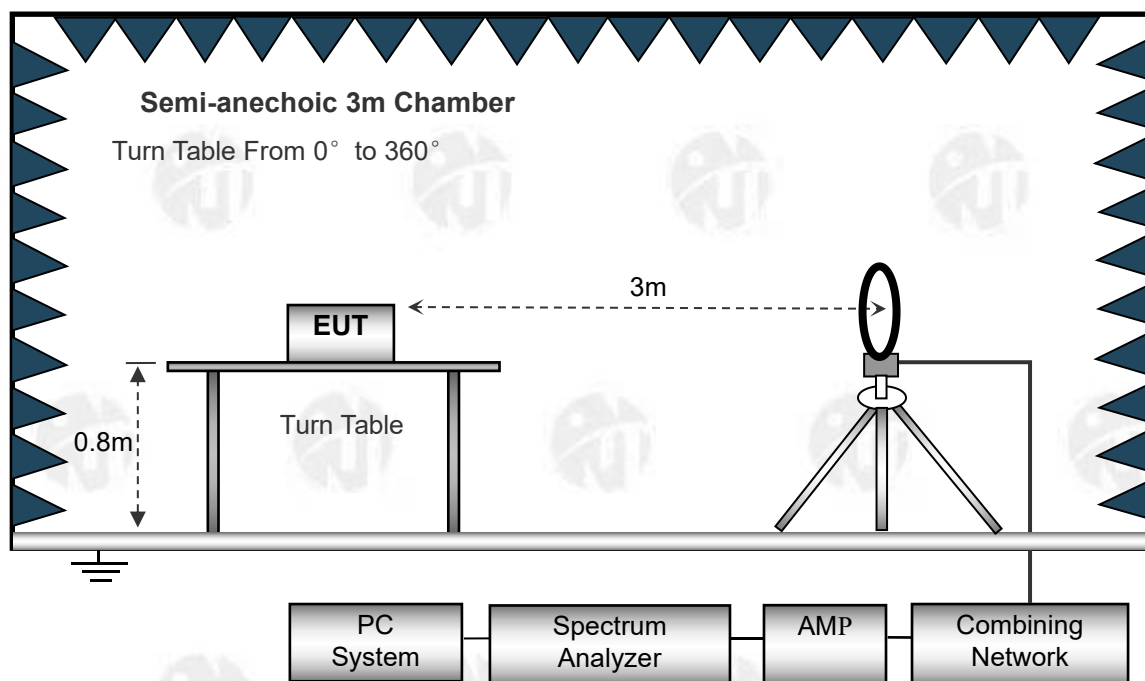
Limit:

Frequency (MHz)	Field Strength		Field Strength Limit at 3m Measurement Dist	
	uV/m	Distance (m)	uV/m	dBuV/m
0.009 ~ 0.490	$2400/F(\text{kHz})$	300	$10000 * 2400/F(\text{kHz})$	$20\log(2400/F(\text{kHz})) + 80$
0.490 ~ 1.705	$24000/F(\text{kHz})$	30	$100 * 24000/F(\text{kHz})$	$20\log(24000/F(\text{kHz})) + 40$
1.705 ~ 30	30	30	$100 * 30$	$20\log(30) + 40$
30 ~ 88	100	3	100	$20\log(100)$
88 ~ 216	150	3	150	$20\log(150)$
216 ~ 960	200	3	200	$20\log(200)$
Above 960	500	3	500	$20\log(500)$

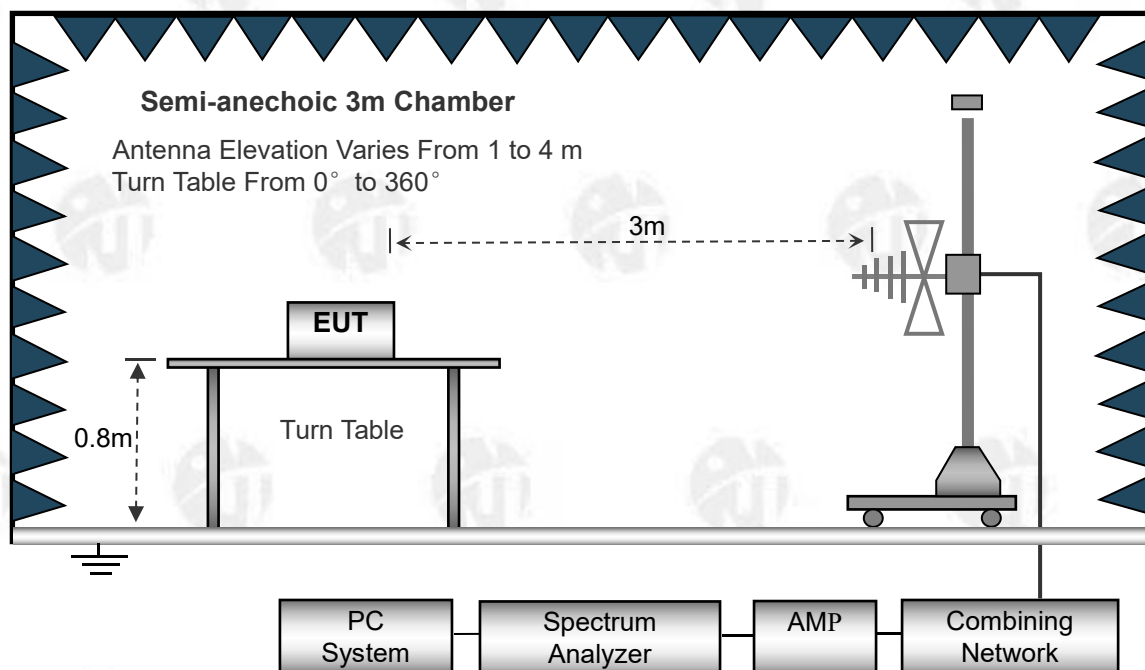
3.2.Test Setup

The radiated emission tests were performed in the 3m Semi- Anechoic Chamber test site, using the setup accordance with the ANSI C63.10.

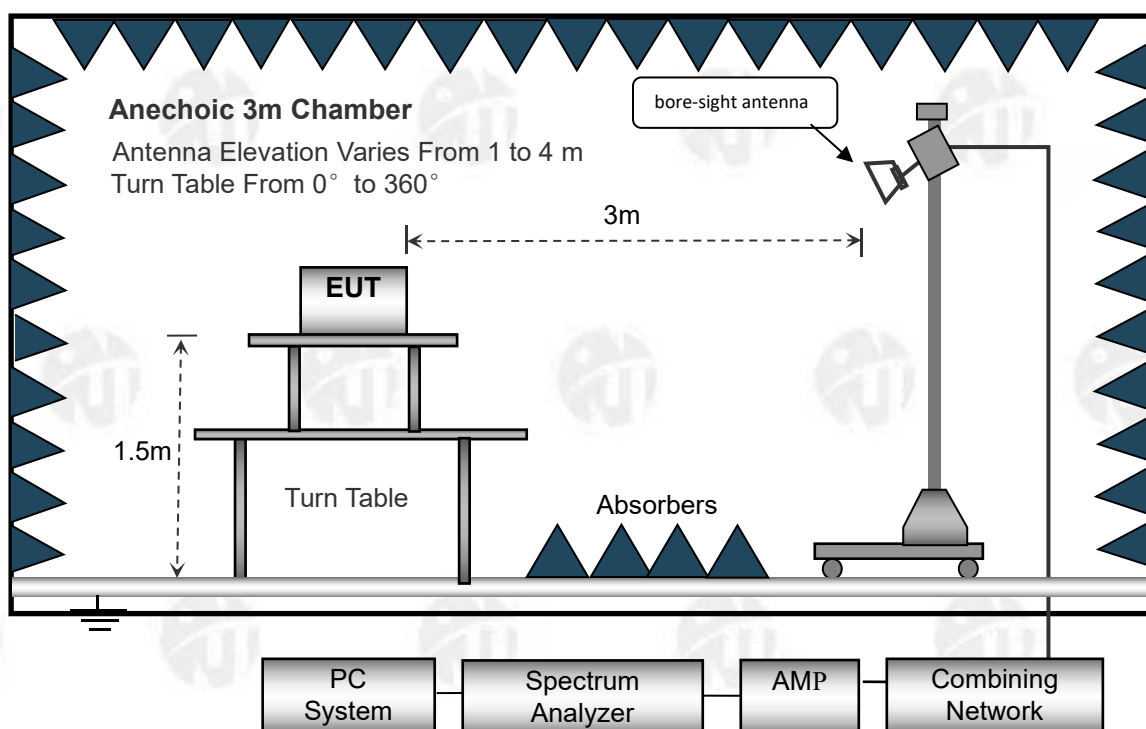
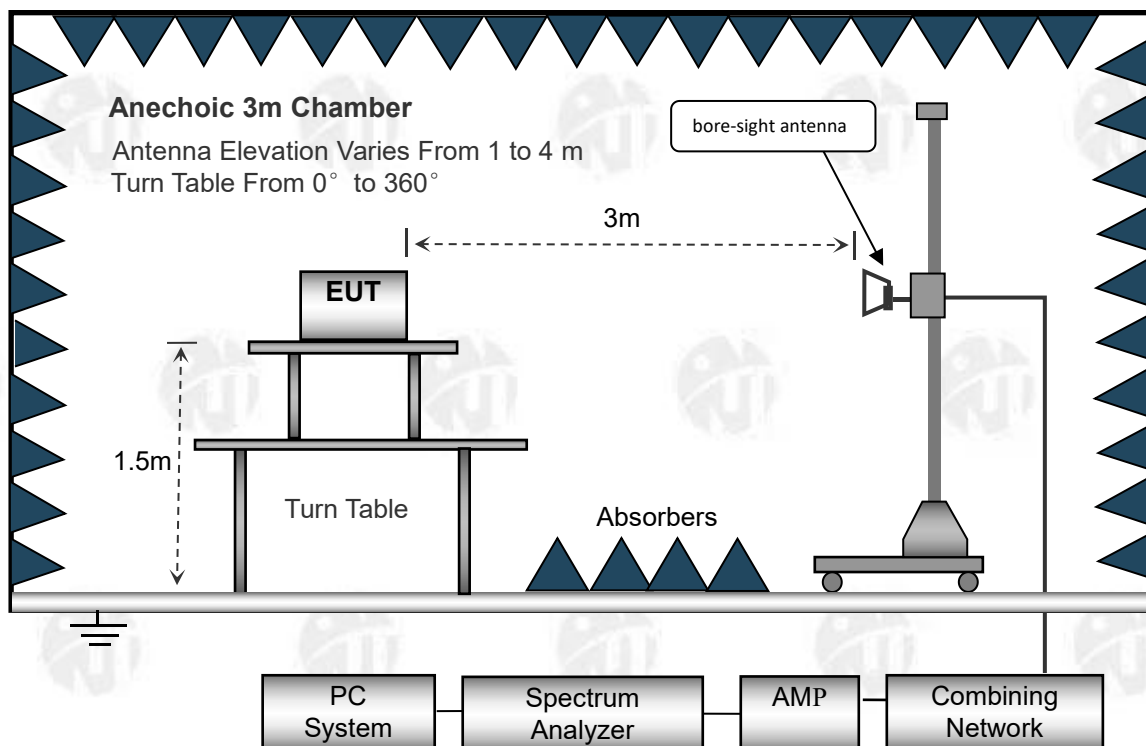
The test setup for emission measurement below 30MHz.



The test setup for emission measurement from 30 MHz to 1 GHz.



The test setup for emission measurement above 1 GHz.





3.3.Test Procedure

1. The EUT is placed on a turntable, which is 0.8m above ground plane for below 1GHz and 1.5m for above 1GHz.
2. The turntable shall be rotated for 360 degrees to determine the position of maximum emission level.
3. EUT is set 3m away from the receiving antenna, which is moved from 1m to 4m to find out the maximum emissions.
4. Maximum procedure was performed on the six highest emissions to ensure EUT compliance.
5. And also, each emission was to be maximized by changing the polarization of receiving antenna both horizontal and vertical.
6. Repeat above procedures until the measurements for all frequencies are complete.
7. The radiation measurements are performed in X,Y and Z axis positioning(X denotes lying on the table, Y denotes side stand and Z denotes vertical stand),the worst condition was tested putting the eut in Z axis,so the worst data were shown as follow.
8. A 2.4GHz high - pass filter is used during radiated emissions above 1GHz measurement.

3.4.Test Result

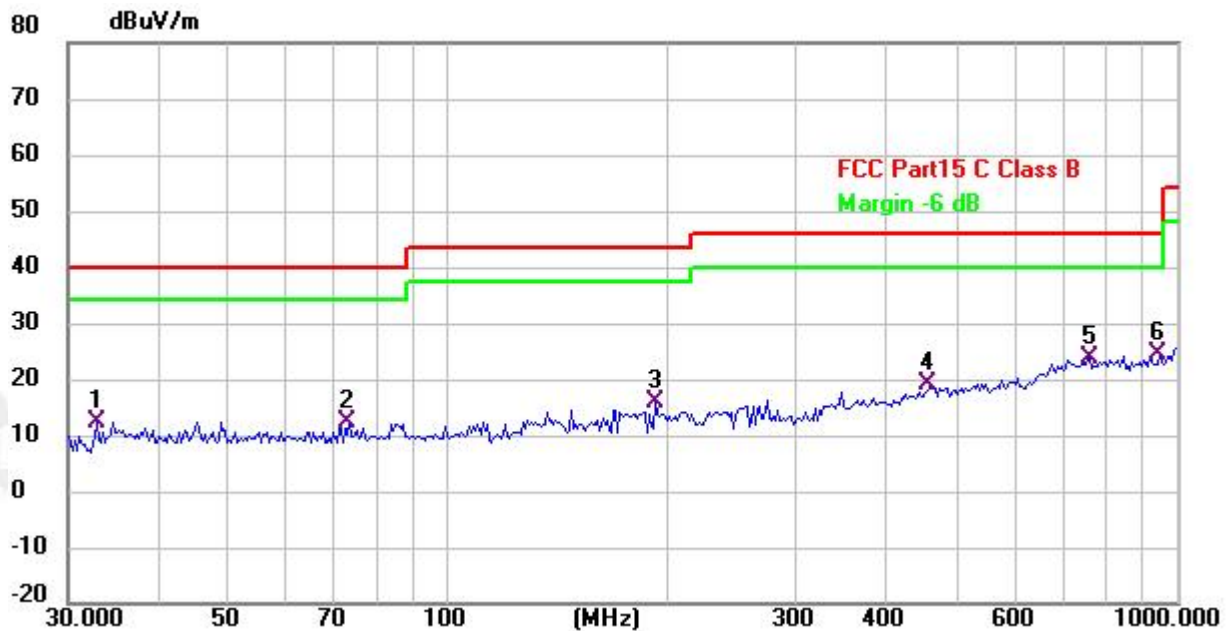
Test Frequency: 9KHz~30MHz

The measurements were more than 20 dB below the limit and not reported.

Test Frequency : 30MHz ~ 1GHz

Radiation Emission Test Data			
Temperature:	25.1℃	Relative Humidity:	56%
Pressure:	1008hPa	Phase :	Horizontal
Test Voltage :	DC 3.7V	Test Mode:	GFSK(CH00)

Left Wireless Headphone test data



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	32.8637	30.07	-17.81	12.26	40.00	-27.74	QP
2	73.1025	32.23	-20.00	12.23	40.00	-27.77	QP
3	192.4186	34.93	-19.18	15.75	43.50	-27.75	QP
4	459.1144	31.80	-12.64	19.16	46.00	-26.84	QP
5	760.7036	29.72	-5.83	23.89	46.00	-22.11	QP
6 *	945.4399	27.34	-3.04	24.30	46.00	-21.70	QP

Note:

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

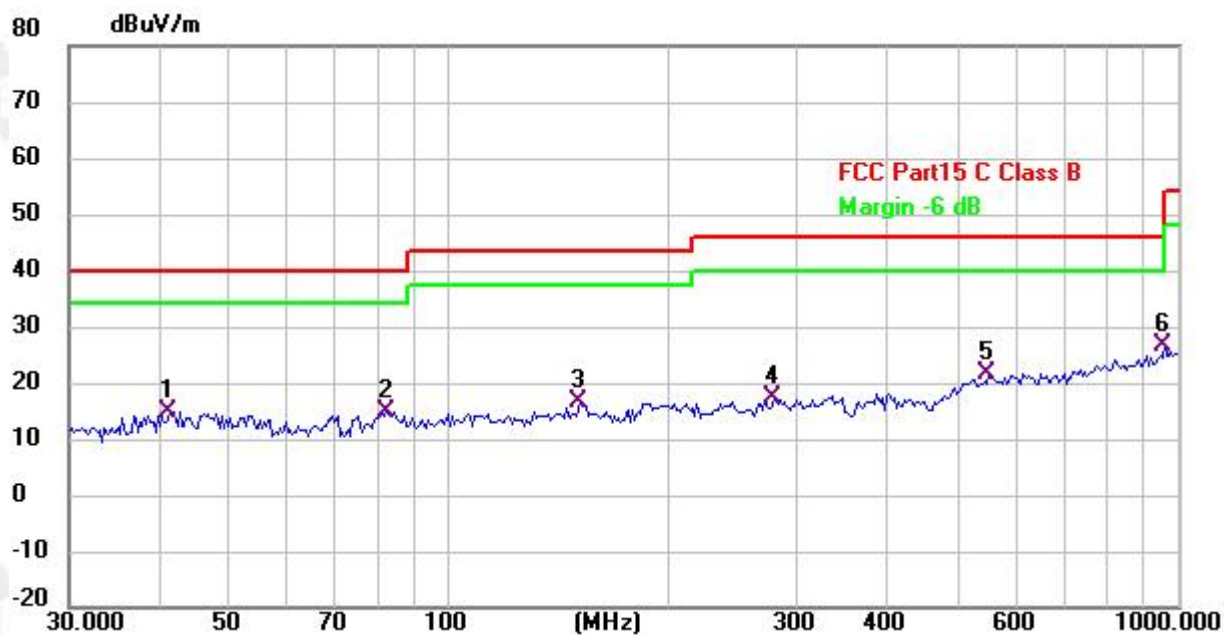
Emission Level = Reading + Factor

Margin=Emission Level-Limit

2. All the modes have tested and recorded the worst mode in the report

Radiation Emission Test Data			
Temperature:	25.1°C	Relative Humidity:	56%
Pressure:	1008hPa	Phase :	Vertical
Test Voltage :	DC 3.7V	Test Mode:	GFSK(CH00)

Left Wireless Headphone test data



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	41.4215	31.66	-16.82	14.84	40.00	-25.16	QP
2	82.3588	36.12	-21.13	14.99	40.00	-25.01	QP
3	151.5972	32.77	-16.21	16.56	43.50	-26.94	QP
4	279.0436	34.45	-17.00	17.45	46.00	-28.55	QP
5	550.9480	32.17	-10.40	21.77	46.00	-24.23	QP
6 *	958.7943	29.48	-2.84	26.64	46.00	-19.36	QP

Note:

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

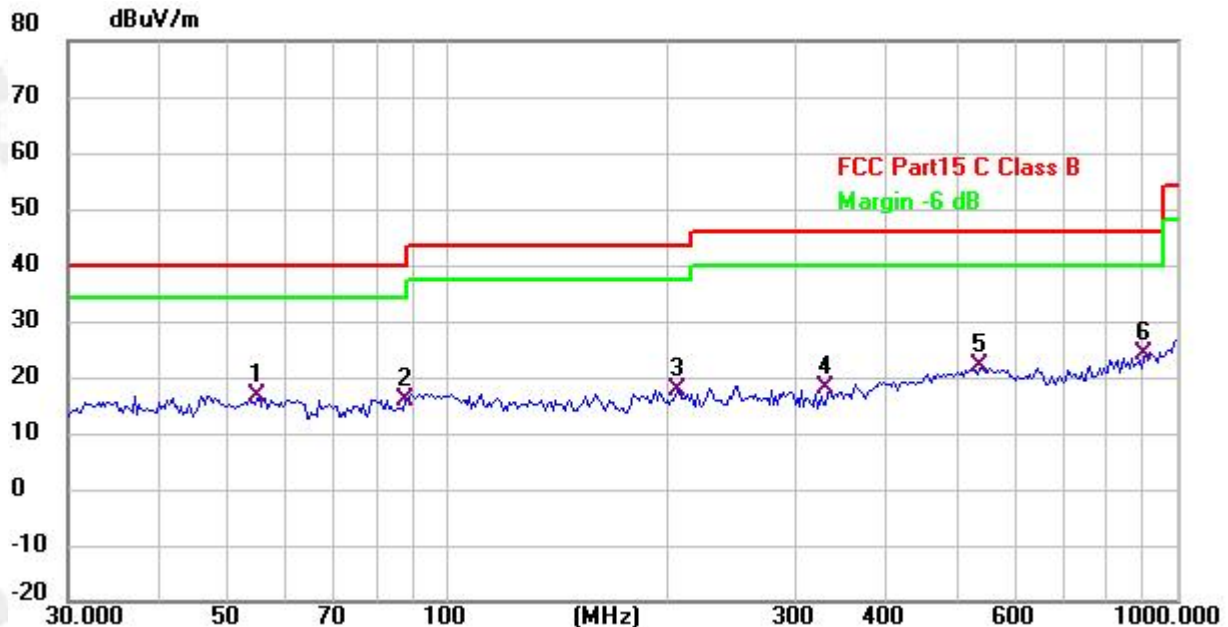
Emission Level = Reading + Factor

Margin=Emission Level-Limit

2. All the modes have tested and recorded the worst mode in the report

Radiation Emission Test Data			
Temperature:	25.1°C	Relative Humidity:	56%
Pressure:	1008hPa	Phase :	Horizontal
Test Voltage :	DC 3.7V	Test Mode:	GFSK(CH00)

Right Wireless Headphone test data



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	54.8348	34.12	-17.49	16.63	40.00	-23.37	QP
2	87.1117	36.96	-21.03	15.93	40.00	-24.07	QP
3	206.3976	37.11	-19.33	17.78	43.50	-25.72	QP
4	332.5187	33.83	-15.64	18.19	46.00	-27.81	QP
5	539.4775	32.66	-10.68	21.98	46.00	-24.02	QP
6 *	906.4824	27.65	-3.60	24.05	46.00	-21.95	QP

Note:

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

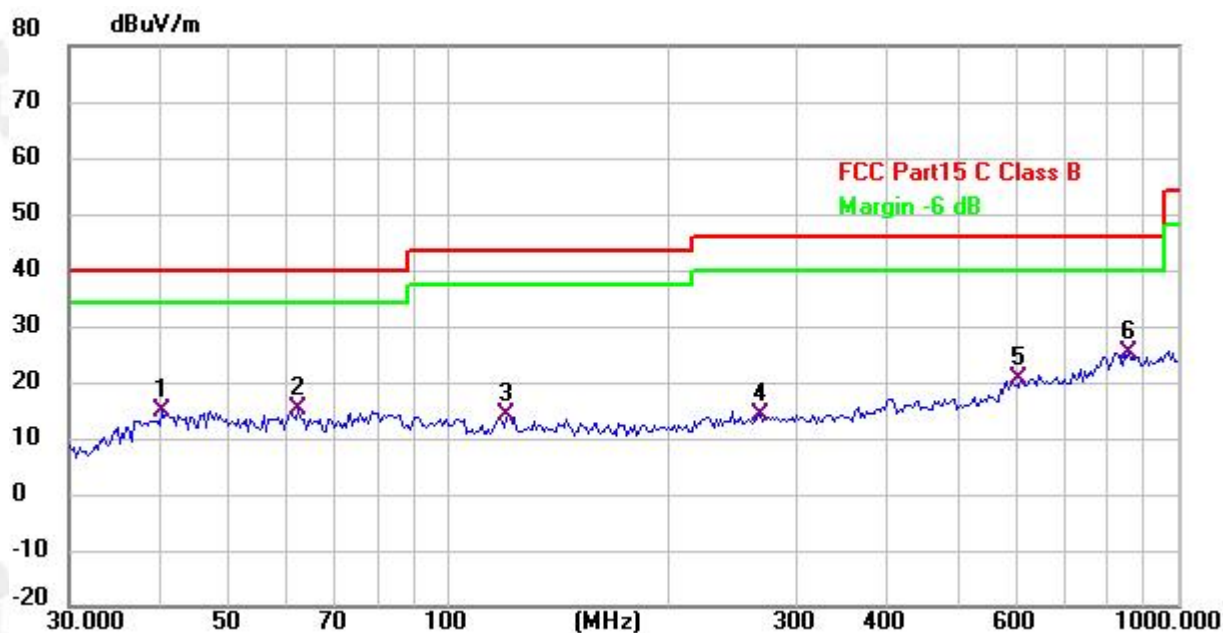
Emission Level = Reading + Factor

Margin=Emission Level-Limit

2. All the modes have tested and recorded the worst mode in the report

Radiation Emission Test Data			
Temperature:	25.1°C	Relative Humidity:	56%
Pressure:	1008hPa	Phase :	Vertical
Test Voltage :	DC 3.7V	Test Mode:	GFSK(CH00)

Right Wireless Headphone test data



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	40.2757	31.68	-16.77	14.91	40.00	-25.09	QP
2	61.7781	33.28	-18.09	15.19	40.00	-24.81	QP
3	120.2766	31.89	-17.77	14.12	43.50	-29.38	QP
4	267.5455	31.60	-17.34	14.26	46.00	-31.74	QP
5	607.7867	29.52	-9.06	20.46	46.00	-25.54	QP
6 *	857.0247	29.37	-4.27	25.10	46.00	-20.90	QP

Note:

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

Emission Level = Reading + Factor

Margin=Emission Level-Limit

2. All the modes have tested and recorded the worst mode in the report

1GHz~25GHz

Left Wireless Headphone test data

Polar (H/V)	Frequency (MHz)	Meter Reading (dBuV)	Pre-ampli fier (dB)	Cable Loss (dB)	Antenna Factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Detector Type
Low Channel:2402MHz									
V	4804.00	49.40	34.12	5.03	32.39	52.70	74.00	-21.30	Pk
V	4804.00	39.20	34.12	5.03	32.39	42.50	54.00	-11.50	AV
V	7206.00	46.29	32.54	6.29	35.86	55.90	74.00	-18.10	Pk
V	7206.00	34.32	32.54	6.29	35.86	43.93	54.00	-10.07	AV
V	9608.00	46.06	32.98	7.55	38.40	59.03	74.00	-14.97	Pk
V	9608.00	30.59	32.98	7.55	38.40	43.56	54.00	-10.44	AV
V	12010.00	44.64	32.09	8.93	39.00	60.48	74.00	-13.52	Pk
V	12010.00	28.77	32.09	8.93	39.00	44.61	54.00	-9.39	AV
H	4804.00	50.14	34.12	5.03	32.39	53.44	74.00	-20.56	Pk
H	4804.00	38.14	34.12	5.03	32.39	41.44	54.00	-12.56	AV
H	7206.00	46.30	32.54	6.29	35.86	55.91	74.00	-18.09	Pk
H	7206.00	29.44	32.54	6.29	35.86	39.05	54.00	-14.95	AV
H	9608.00	45.91	32.98	7.55	38.40	58.88	74.00	-15.12	Pk
H	9608.00	29.34	32.98	7.55	38.40	42.31	54.00	-11.69	AV
H	12010.00	39.63	32.09	8.93	39.00	55.47	74.00	-18.53	Pk
H	12010.00	25.01	32.09	8.93	39.00	40.85	54.00	-13.15	AV

Left Wireless Headphone test data

Polar (H/V)	Frequency (MHz)	Meter Reading (dBuV)	Pre-ampli fier (dB)	Cable Loss (dB)	Antenna Factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Detector Type
Middle Channel:2440MHz									
V	4880.00	49.44	34.07	5.09	32.59	53.05	74.00	-20.95	Pk
V	4880.00	39.55	34.07	5.09	32.59	43.16	54.00	-10.84	AV
V	7320.00	45.70	32.63	6.34	35.96	55.37	74.00	-18.63	Pk
V	7320.00	35.04	32.63	6.34	35.96	44.71	54.00	-9.29	AV
V	9760.00	40.71	32.92	7.59	38.40	53.78	74.00	-20.22	Pk
V	9760.00	27.44	32.92	7.59	38.40	40.51	54.00	-13.49	AV
V	12200.00	40.46	31.96	8.88	39.04	56.42	74.00	-17.58	Pk
V	12200.00	27.90	31.96	8.88	39.04	43.86	54.00	-10.14	AV
H	4880.00	49.09	34.07	5.09	32.59	52.70	74.00	-21.30	Pk
H	4880.00	38.99	34.07	5.09	32.59	42.60	54.00	-11.40	AV
H	7320.00	44.45	32.63	6.34	35.96	54.12	74.00	-19.88	Pk
H	7320.00	32.85	32.63	6.34	35.96	42.52	54.00	-11.48	AV
H	9760.00	41.50	32.92	7.59	38.40	54.57	74.00	-19.43	Pk
H	9760.00	29.07	32.92	7.59	38.40	42.14	54.00	-11.86	AV
H	12200.00	41.05	31.96	8.88	39.04	57.01	74.00	-16.99	Pk
H	12200.00	28.11	31.96	8.88	39.04	44.07	54.00	-9.93	AV

Left Wireless Headphone test data

Polar (H/V)	Frequency	Meter Reading	Pre-ampli fier	Cable Loss	Antenna Factor	Emission Level	Limits	Margin	Detector Type
	(MHz)	(dBuV)	(dB)	(dB)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
High Channel:2480MHz									
V	4960.00	46.28	34.02	5.15	32.80	50.21	74.00	-23.79	Pk
V	4960.00	36.07	34.02	5.15	32.80	40.00	54.00	-14.00	AV
V	7440.00	46.34	32.71	6.40	36.05	56.08	74.00	-17.92	Pk
V	7440.00	33.63	32.71	6.40	36.05	43.37	54.00	-10.63	AV
V	9920.00	39.03	32.86	7.62	38.40	52.19	74.00	-21.81	Pk
V	9920.00	28.06	32.86	7.62	38.40	41.22	54.00	-12.78	AV
V	12400.00	37.49	31.82	8.84	39.08	53.59	74.00	-20.41	Pk
V	12400.00	25.95	31.82	8.84	39.08	42.05	54.00	-11.95	AV
H	4960.00	46.37	34.02	5.15	32.80	50.30	74.00	-23.70	Pk
H	4960.00	36.83	34.02	5.15	32.80	40.76	54.00	-13.24	AV
H	7440.00	45.92	32.71	6.40	36.05	55.66	74.00	-18.34	Pk
H	7440.00	32.17	32.71	6.40	36.05	41.91	54.00	-12.09	AV
H	9920.00	38.36	32.86	7.62	38.40	51.52	74.00	-22.48	Pk
H	9920.00	28.14	32.86	7.62	38.40	41.30	54.00	-12.70	AV
H	12400.00	39.23	31.82	8.84	39.08	55.33	74.00	-18.67	Pk
H	12400.00	27.03	31.82	8.84	39.08	43.13	54.00	-10.87	AV

Right Wireless Headphone test data

Polar (H/V)	Frequency	Meter Reading	Pre-ampli fier	Cable Loss	Antenna Factor	Emission Level	Limits	Margin	Detector Type
	(MHz)	(dBuV)	(dB)	(dB)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
Low Channel:2402MHz									
V	4804.00	49.81	34.12	5.03	32.39	53.11	74.00	-20.89	Pk
V	4804.00	41.42	34.12	5.03	32.39	44.72	54.00	-9.28	AV
V	7206.00	48.11	32.54	6.29	35.86	57.72	74.00	-16.28	Pk
V	7206.00	34.23	32.54	6.29	35.86	43.84	54.00	-10.16	AV
V	9608.00	45.11	32.98	7.55	38.40	58.08	74.00	-15.92	Pk
V	9608.00	30.92	32.98	7.55	38.40	43.89	54.00	-10.11	AV
V	12010.00	44.51	32.09	8.93	39.00	60.35	74.00	-13.65	Pk
V	12010.00	26.70	32.09	8.93	39.00	42.54	54.00	-11.46	AV
H	4804.00	49.92	34.12	5.03	32.39	53.22	74.00	-20.78	Pk
H	4804.00	38.25	34.12	5.03	32.39	41.55	54.00	-12.45	AV
H	7206.00	45.93	32.54	6.29	35.86	55.54	74.00	-18.46	Pk
H	7206.00	31.81	32.54	6.29	35.86	41.42	54.00	-12.58	AV
H	9608.00	46.60	32.98	7.55	38.40	59.57	74.00	-14.43	Pk
H	9608.00	28.93	32.98	7.55	38.40	41.90	54.00	-12.10	AV
H	12010.00	40.79	32.09	8.93	39.00	56.63	74.00	-17.37	Pk
H	12010.00	27.24	32.09	8.93	39.00	43.08	54.00	-10.92	AV

Right Wireless Headphone test data

Polar (H/V)	Frequency	Meter Reading	Pre-ampli fier	Cable Loss	Antenna Factor	Emission Level	Limits	Margin	Detector Type
	(MHz)	(dBuV)	(dB)	(dB)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
Middle Channel:2440MHz									
V	4880.00	50.36	34.07	5.09	32.59	53.97	74.00	-20.03	Pk
V	4880.00	38.44	34.07	5.09	32.59	42.05	54.00	-11.95	AV
V	7320.00	44.60	32.63	6.34	35.96	54.27	74.00	-19.73	Pk
V	7320.00	34.54	32.63	6.34	35.96	44.21	54.00	-9.79	AV
V	9760.00	42.52	32.92	7.59	38.40	55.59	74.00	-18.41	Pk
V	9760.00	28.84	32.92	7.59	38.40	41.91	54.00	-12.09	AV
V	12200.00	38.38	31.96	8.88	39.04	54.34	74.00	-19.66	Pk
V	12200.00	29.45	31.96	8.88	39.04	45.41	54.00	-8.59	AV
H	4880.00	50.24	34.07	5.09	32.59	53.85	74.00	-20.15	Pk
H	4880.00	38.26	34.07	5.09	32.59	41.87	54.00	-12.13	AV
H	7320.00	44.78	32.63	6.34	35.96	54.45	74.00	-19.55	Pk
H	7320.00	32.71	32.63	6.34	35.96	42.38	54.00	-11.62	AV
H	9760.00	39.19	32.92	7.59	38.40	52.26	74.00	-21.74	Pk
H	9760.00	30.55	32.92	7.59	38.40	43.62	54.00	-10.38	AV
H	12200.00	38.67	31.96	8.88	39.04	54.63	74.00	-19.37	Pk
H	12200.00	27.68	31.96	8.88	39.04	43.64	54.00	-10.36	AV

Right Wireless Headphone test data

Polar (H/V)	Frequency	Meter Reading	Pre-ampli fier	Cable Loss	Antenna Factor	Emission Level	Limits	Margin	Detector Type
	(MHz)	(dBuV)	(dB)	(dB)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
High Channel:2480MHz									
V	4960.00	47.90	34.02	5.15	32.80	51.83	74.00	-22.17	Pk
V	4960.00	36.79	34.02	5.15	32.80	40.72	54.00	-13.28	AV
V	7440.00	43.90	32.71	6.40	36.05	53.64	74.00	-20.36	Pk
V	7440.00	33.49	32.71	6.40	36.05	43.23	54.00	-10.77	AV
V	9920.00	39.87	32.86	7.62	38.40	53.03	74.00	-20.97	Pk
V	9920.00	27.82	32.86	7.62	38.40	40.98	54.00	-13.02	AV
V	12400.00	38.40	31.82	8.84	39.08	54.50	74.00	-19.50	Pk
V	12400.00	27.21	31.82	8.84	39.08	43.31	54.00	-10.69	AV
H	4960.00	48.74	34.02	5.15	32.80	52.67	74.00	-21.33	Pk
H	4960.00	38.11	34.02	5.15	32.80	42.04	54.00	-11.96	AV
H	7440.00	44.75	32.71	6.40	36.05	54.49	74.00	-19.51	Pk
H	7440.00	31.42	32.71	6.40	36.05	41.16	54.00	-12.84	AV
H	9920.00	39.66	32.86	7.62	38.40	52.82	74.00	-21.18	Pk
H	9920.00	29.26	32.86	7.62	38.40	42.42	54.00	-11.58	AV
H	12400.00	39.97	31.82	8.84	39.08	56.07	74.00	-17.93	Pk
H	12400.00	27.89	31.82	8.84	39.08	43.99	54.00	-10.01	AV

Note: 1. Emission Level = Meter Reading + Antenna Factor + Cable Loss – Pre-amplifier,

Margin= Emission Level - Limit

2. If peak below the average limit, the average emission was no test.

3. The amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has no need to be reported.

The 1-25GHz range has been tested, and the report only records the worst performance of the 1-18G range.

Spurious Emission in Restricted Band 2310-2390MHz and 2483.5-2500MHz

Left Wireless Headphone test data

	Polar (H/V)	Frequenc y (MHz)	Meter Reading (dBuV)	Pre- amplifier (dB)	Cable Loss (dB)	Antenna Factor (dB/m)	Emission level (dBuV/m)	Limit (dBuV /m)	Margi n (dB)	Detec tor Type
GFSK	Low Channel: 2402MHz									
	H	2390.00	57.46	35.17	3.48	27.49	53.26	74	-20.74	PK
	H	2390.00	49.65	35.17	3.48	27.49	45.45	54	-8.55	AV
	H	2400.00	58.67	35.16	3.49	27.52	54.52	74	-19.48	PK
	H	2400.00	49.55	35.16	3.49	27.52	45.40	54	-8.6	AV
	V	2390.00	56.98	35.17	3.48	27.49	52.78	74	-21.22	PK
	V	2390.00	48.71	35.17	3.48	27.49	44.51	54	-9.49	AV
	V	2400.00	58.68	35.16	3.49	27.52	54.53	74	-19.47	PK
	V	2400.00	49.03	35.16	3.49	27.52	44.88	54	-9.12	AV
	High Channel: 2480MHz									
	H	2483.50	57.02	35.11	3.56	27.75	53.22	74	-20.78	PK
	H	2483.50	48.37	35.11	3.56	27.75	44.57	54	-9.43	AV
	H	2500.00	58.47	35.10	3.57	27.80	54.74	74	-19.26	PK
	H	2500.00	49.00	35.10	3.57	27.80	45.27	54	-8.73	AV
	V	2483.50	57.56	35.11	3.56	27.75	53.76	74	-20.24	PK
	V	2483.50	50.13	35.11	3.56	27.75	46.33	54	-7.67	AV
	V	2500.00	57.97	35.10	3.57	27.80	54.24	74	-19.76	PK
	V	2500.00	49.20	35.10	3.57	27.80	45.47	54	-8.53	AV
Remark: 1. Emission Level = Meter Reading + Antenna Factor + Cable Loss – Pre-amplifier, Margin= Emission Level - Limit										

Right Wireless Headphone test data

	Polar (H/V)	Frequenc y (MHz)	Meter Reading (dBuV)	Pre- amplifier (dB)	Cable Loss (dB)	Antenna Factor (dB/m)	Emission level (dBuV/m)	Limit (dBuV /m)	Margi n (dB)	Detec tor Type
GFSK	Low Channel: 2402MHz									
	H	2390.00	57.72	35.17	3.48	27.49	53.52	74	-20.48	PK
	H	2390.00	49.50	35.17	3.48	27.49	45.30	54	-8.7	AV
	H	2400.00	58.67	35.16	3.49	27.52	54.52	74	-19.48	PK
	H	2400.00	49.31	35.16	3.49	27.52	45.16	54	-8.84	AV
	V	2390.00	57.02	35.17	3.48	27.49	52.82	74	-21.18	PK
	V	2390.00	48.72	35.17	3.48	27.49	44.52	54	-9.48	AV
	V	2400.00	58.74	35.16	3.49	27.52	54.59	74	-19.41	PK
	V	2400.00	49.14	35.16	3.49	27.52	44.99	54	-9.01	AV
	High Channel: 2480MHz									
	H	2483.50	56.89	35.11	3.56	27.75	53.09	74	-20.91	PK
	H	2483.50	48.60	35.11	3.56	27.75	44.80	54	-9.2	AV
	H	2500.00	58.67	35.10	3.57	27.80	54.94	74	-19.06	PK
	H	2500.00	48.97	35.10	3.57	27.80	45.24	54	-8.76	AV
	V	2483.50	57.42	35.11	3.56	27.75	53.62	74	-20.38	PK
	V	2483.50	49.80	35.11	3.56	27.75	46.00	54	-8	AV
	V	2500.00	58.37	35.10	3.57	27.80	54.64	74	-19.36	PK
	V	2500.00	49.35	35.10	3.57	27.80	45.62	54	-8.38	AV
Remark: 1. Emission Level = Meter Reading + Antenna Factor + Cable Loss – Pre-amplifier, Margin= Emission Level - Limit										

4. Conducted Spurious Emissions

4.1.Limit

Test Requirement: FCC CFR47 Part 15 Section 15.247
Test Method: KDB 558074 D01 15.247 Meas Guidance v05r02 April 2, 2019;
ANSI C63.10-2020 + Cor. 1-2023+C63.10a-2024 + Errata to
C63.10a-2024
Test Result: PASS

Limit:

In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement, provided the transmitter demonstrates compliance with the peak conducted power limits. If the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval, as permitted under paragraph (b)(3) of this section, the attenuation required under this paragraph shall be 30 dB instead of 20 dB. Attenuation below the general limits specified in Section 15.209(a) is not required. In addition, radiated emissions which fall in the restricted bands, as defined in Section 15.205(a), must also comply with the radiated emission limits specified in Section 15.209(a) (see Section 15.205(c)).

4.2.Test Setup



4.3.Test Procedure

1. Remove the antenna from the EUT and then connect a low RF cable from the antenna port to the spectrum;
2. Set the spectrum analyzer:
 - a) Set instrument center frequency to DTS channel center frequency.
 - b) Set the span to ≥ 1.5 times the DTS bandwidth.
 - c) Set the RBW = 100 kHz.
 - d) Set the VBW $\geq [3 \times \text{RBW}]$.
 - e) Detector = peak.
 - f) Sweep time = auto couple.
 - g) Trace mode = max hold.
 - h) Allow trace to fully stabilize.
 - i) Use the peak marker function to determine the maximum PSD level.

Note that the channel found to contain the maximum PSD level can be used to establish the reference level.

Establish an emission level by using the following procedure:

- a) Set the center frequency and span to encompass frequency range to be measured. Note that the frequency range might need to be divided into multiple frequency ranges to retain frequency resolution.

NOTE—the number of points can also be increased for large spans to retain frequency resolution

- b) Set the RBW = 100 kHz.
- c) Set the VBW $\geq [3 \times \text{RBW}]$.
- d) Detector = peak.
- e) Sweep time = No faster than coupled (auto) time.
- f) Trace mode = max-hold.
- g) Allow trace to fully stabilize.
- h) Use the peak marker function to determine the maximum amplitude level.

Ensure that the amplitude of all unwanted emissions outside of the authorized frequency band (excluding restricted frequency bands) are attenuated by at least the minimum requirements specified in 11.1 a) or 11.1 b).

Report the three highest emissions relative to the limit.



4.4.Test Result

Please see the attachment for data.

5. Band Edge Measurement

5.1.Limit

Test Requirement: FCC CFR47 Part 15 Section 15.247

Test Method: KDB 558074 D01 15.247 Meas Guidance v05r02 April 2, 2019;

ANSI C63.10-2020 + Cor. 1-2023+C63.10a-2024 + Errata to C63.10a-2024

Test Limit: Regulation 15.247 (d), In any 100 kHz bandwidth outside the frequency band which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement, provided the transmitter demonstrates compliance with the peak conducted power limits. If the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval, as permitted under paragraph (b)(3) of this section, the attenuation required under this paragraph shall be 30 dB instead of 20 dB. Attenuation below the general limits specified in §15.209(a) is not required. In addition, radiated emissions which fall in the restricted bands, as defined in §15.205(a), must also comply with the radiated emission limits specified in §15.209(a) (see §15.205(c)).

Test Mode: Transmitting

5.2.Test setup



5.3.Test Procedure

1. Check the calibration of the measuring instrument using either an internal calibrator or a known signal from an external generator.
2. Position the EUT without connection to measurement instrument. Turn on the EUT and connect its antenna terminal to measurement instrument via a low loss cable. Then set it to any one measured frequency within its operating range, and make sure the instrument is operated in its linear range.
3. Set RBW to 100 kHz and VBW of spectrum analyzer to 300 kHz with a convenient frequency span including 100 kHz bandwidth from band edge.
4. Measure the highest amplitude appearing on spectral display and set it as a reference level. Plot the graph with marking the highest point and edge frequency.
5. Repeat above procedures until all measured frequencies were complete.

5.4.Test Result

Please see the attachment for data.

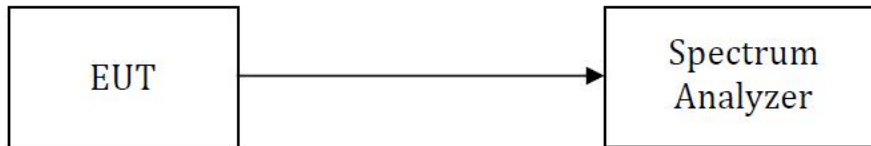
6. -6 dB Bandwidth and 99% Bandwidth Measurement

6.1.Limit

Test Requirement: FCC CFR47 Part 15 Section 15.247

Test Method: KDB 558074 D01 15.247 Meas Guidance v05r02 April 2, 2019; ANSI C63.10-2020 + Cor. 1-2023+C63.10a-2024 + Errata to C63.10a-2024

6.2.Test Setup



6.3.Test Procedure

For 6dB Bandwidth Measurement

1. Remove the antenna from the EUT and then connect a low RF cable from the antenna port to the spectrum;
2. The automatic bandwidth measurement capability of an instrument may be employed using the X dB bandwidth mode with X set to 6 dB, if the functionality described in 11.8.1(i.e, RBW= 100 kHz VBW>3 x RBW, and peak detector with maximum hold) is implemented by the instrumentation function. When using this capability, care shall be taken so that the bandwidth measurement is not influenced by any intermediate power nulls in the fundamental emission that might be ≥ 6 dB.

3. The steps for the first option are as follows:

a. Set RBW= shall be in the range of 1% to 5% of the OBW but not less than 100 kHz.

b. Set the VBW[3 x RBW].

c. Detector = peak

d. Trace mode = max-hold.

e. Sweep = No faster than coupled (auto) time.

f. Allow the trace to stabilize.

g. Measure the maximum width of the emission by placing two markers, one at the lowest frequency and the other at the highest frequency of the envelope of the spectral display, such that each marker is at or slightly below the "-6 dB down amplitude". If a marker is below this "-6 dB down amplitude" value, then it shall be as close as possible to this value.

For 99% Bandwidth Measurement

1. Remove the antenna from the EUT and then connect a low RF cable from the antenna port to the spectrum;

2. Set the spectrum analyzer: RBW = 1%-5% OBW, VBW ≥ 3 RBW

6.4.Test Result

Please see the attachment for data.

7. Maximum Peak Output Power

7.1.Limit

Test Requirement: FCC CFR47 Part 15 Section 15.247

Test Method: KDB 558074 D01 15.247 Meas Guidance v05r02 April 2, 2019;

ANSI C63.10-2020 + Cor. 1-2023+C63.10a-2024 + Errata to C63.10a-2024

FCC Part15 (15.247) , Subpart C				
Section	Test Item	Limit	Frequency Range (MHz)	Result
15.247(b)(3)	Peak Output Power	1 watt or 30dBm	2400-2483.5	PASS

7.2.Test Setup



7.3.Test Procedure

This procedure shall be used when the measurement instrument has available a resolution bandwidth that is greater than the DTS bandwidth.

- Set the RBW $\geq$ DTS bandwidth.
- Set VBW $\geq$ 3 x RBW.
- Set span $\geq$ 3 x RBW
- Sweep time = auto couple.
- Detector = peak.
- Trace mode = max hold.
- Allow trace to fully stabilize.
- Use peak marker function to determine the peak amplitude level.

7.4.Test Result

Please see the attachment for data.

8. Power Spectral density

8.1.Limit

Test Requirement: FCC CFR47 Part 15 Section 15.247

Test Method: KDB 558074 D01 15.247 Meas Guidance v05r02April 2,2019; ANSI C63.10-2020+Cor.1-2023

FCC Part15 (15.247) , Subpart C				
Section	Test Item	Limit	Frequency Range (MHz)	Result
15.247	Power Spectral Density	8dBm/3kHz	2400-2483.5	PASS

8.2.Test Setup



8.3.Test Procedure

1. Remove the antenna from the EUT and then connect a low RF cable from the antenna port to the spectrum.
2. Set the spectrum analyzer: RBW = 3kHz. VBW = 10kHz , Span = 1.5 times the DTS channel bandwidth(6 dB bandwidth). Sweep = auto; Detector Function = Peak. Trace = Max hold.
3. Allow the trace to stabilize. Use the marker-delta function to determine the separation between the peaks of the adjacent channels. The limit is specified in one of the subparagraphs of this Section Submit this plot.

8.4.Test Result

Please see the attachment for data.



9. Antenna Requirement

According to the FCC Part 15 Paragraph 15.203, 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. This product has an integrated antenna fulfill the requirement of this section.

This product has an chip antenna, and the maximum antenna gain is 2.78dBi, fulfill the requirement of this section.



10. TEST SETUP & EUT PHOTOGRAPH

Please see the attachment for details.

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