

FCC TEST REPORT

FCC ID:2BBOA-S10

Product : Wireless Headphone
Model Name : S10
Brand : N/A
Report No. : SZNTT26025061E1-1

Prepared for

Daximen (Shenzhen) Technology Co., Ltd.

**2002, Chuanghui Building, Wuhe Community, Bantian Street, Longgang District,
Shenzhen, China**

Prepared by

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Shenzhen City, China**

TEL: 0755-27889935



1 TEST RESULT CERTIFICATION

Applicant's name : Daximen (Shenzhen) Technology Co., Ltd.

Address : 2002, Chuanghui Building, Wuhe Community, Bantian Street, Longgang District, Shenzhen, China

Manufacture's name : Daximen (Shenzhen) Technology Co., Ltd.

Address : 2002, Chuanghui Building, Wuhe Community, Bantian Street, Longgang District, Shenzhen, China

Product name : Wireless Headphone

Model name : S10

Additional model : N/A

Standards : FCC CFR47 Part 15 Section 15.247

Test procedure : ANSI C63.10-2020 + Cor. 1-2023+C63.10a-2024 + Errata to C63.10a-2024
KDB 558074 D01 15.247 Meas Guidance v05r02

Test Date : Jun. 17, 2026 to Jul. 29, 2026

Date of Issue : Jul. 30, 2026

Test Result : Pass

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 FCC requirements. And it is applicable only to the tested sample identified in the report.

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Prepared by(Test Engineer):
Cindy Qin

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2 Test Summary

Test Items	Test Requirement	Result
Radiated Spurious Emissions	15.205(a) 15.209 15.247(d)	PASS
Band edge	15.247(d) 15.205(a)	PASS
Conduct Emission	15.207	PASS
20dB Bandwidth	15.247(a)(1)	PASS
Maximum Peak Output Power	15.247(b)(1)	PASS
Frequency Separation	15.247(a)(1)	PASS
Number of Hopping Frequency	15.247(a)(1)(iii)	PASS
Dwell time	15.247(a)(1)(iii)	PASS
Antenna Requirement	15.203	PASS

Remark:

1. "N/A" denotes test is not applicable in this Test Report.



3 TEST FACILITY

Site Description

Designation Number: CN3446

EMC Lab.

:

Test Firm Registration Number: 129414

Accredited by ANAB, Dec. 19, 2025

The Certificate Registration Number is AT-3446

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, China



4 General Information

4.1 General Description of E.U.T.

Product Name	:	Wireless Headphone
Model Name	:	S10
Sample ID	:	SZNTT26025061E1-001#
Sample(s) Status:	:	Engineer sample
Series Model	:	N/A
Model Difference	:	N/A
Operating frequency	:	2402-2480MHz
Numbers of Channel	:	79 channels
Antenna Type	:	Chip antenna
Antenna Gain	:	2.78 dBi
Type of Modulation	:	GFSK, $\pi/4$ -DQPSK
Power supply	:	DC 3.7V from battery; Charging input: DC 5V
Hardware Version	:	/
Software Version	:	/
Remark: the Antenna gain is provided by customer from Antenna spec. and the laboratory will not be responsible for the accumulated calculation results which covers the information provided by the applicant.		



4.2 Channel List

The EUT has been tested under its typical operating condition. Pre-defined engineering program for regulatory testing used to control the EUT for staying in continuous transmitting. Only the worst case data were reported.

The EUT has been associated with peripherals pursuant to ANSI C63.10-2020 + Cor. 1-2023+C63.10a-2024 + Errata to C63.10a-2024 and configuration operated in a manner tended to maximize its emission characteristics in a typical application. Frequency range investigated: radiation (9 KHZ to the 10th harmonics of the highest fundamental frequency or to 40 GHz, whichever is lower).

The EUT has been tested under TX operating condition.

This EUT is a FHSS system, were conducted to determine the final configuration from all possible combinations. We use software control the EUT, Let EUT hopping on and transmit with highest power, all the modes GFSK, $\pi/4$ -DQPSK have been tested. 79 Channels are provided by EUT. The 3 channels of lower, medium and higher were chosen for test.

Channel List:

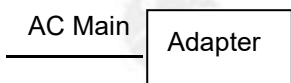
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
0	2402	1	2403	2	2404	3	2405
4	2406	5	2407	6	2408	7	2409
8	2410	9	2411	10	2412	11	2413
12	2414	13	2415	14	2416	15	2417
16	2418	17	2419	18	2420	19	2421
20	2422	21	2423	22	2424	23	2425
24	2426	25	2427	26	2428	27	2429
28	2430	29	2431	30	2432	31	2433
32	2434	33	2435	34	2436	35	2437
36	2438	37	2439	38	2440	39	2441
40	2442	41	2443	42	2444	43	2445
44	2446	45	2447	46	2448	47	2449
48	2450	49	2451	50	2452	51	2453
52	2454	53	2455	54	2456	55	2457
56	2458	57	2459	58	2460	59	2461
60	2462	61	2463	62	2464	63	2465
64	2466	65	2467	66	2468	67	2469
68	2470	69	2471	70	2472	71	2473
72	2474	73	2475	74	2476	75	2477
76	2478	77	2479	78	2480	-	-

Channel	Frequency(MHz)
0	2402
39	2441
78	2480

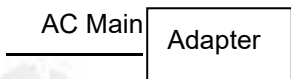


4.3 Test Setup Configuration

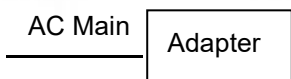
Conducted Emission



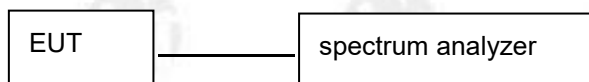
Radiated Emission



Radiated Spurious



RF Conducted Test



4.4 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



5 Equipment During Test

5.1 Equipments List

Conducted emission Test Equipment

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	ESCI	/	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 emission & Radio Frequency Test Equipment

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	MY47420919	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

Other

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



5.2 Measurement Uncertainty

Parameter	Uncertainty
RF output power, conducted	$\pm 1.0\text{dB}$
Power Spectral Density, conducted	$\pm 2.2\text{dB}$
Radio Frequency	$\pm 1 \times 10^{-6}$
Bandwidth	$\pm 1.5 \times 10^{-6}$
Time	$\pm 2\%$
Duty Cycle	$\pm 2\%$
Temperature	$\pm 1^{\circ}\text{C}$
Humidity	$\pm 5\%$
DC and low frequency voltages	$\pm 3\%$
Conducted Emissions (150kHz~30MHz)	$\pm 3.64\text{dB}$
Radiated Emission(9KHz~30MHz)	$\pm 4.51\text{dB}$
Radiated Emission(30MHz~1GHz)	$\pm 5.03\text{dB}$
Radiated Emission(1GHz~25GHz)	$\pm 4.74\text{dB}$
Remark:When making a conformity declaration based on test results for regulations/standards or specifications,the default is to use Clause 4.2.1of ILAC-G8:09/2019 and the guidelines on decision rules and conformity declaration in IEC Guide 115:2023.	

5.3 Description of Support Units

The EUT has been tested as an independent unit .

6 Conducted Emission

Test Requirement:	: FCC CFR 47 Part 15 Section 15.207
Test Method:	: ANSI C63.10-2020 + Cor. 1-2023+C63.10a-2024 + Errata to C63.10a-2024
Test Result:	: PASS
Frequency Range:	: 150kHz to 30MHz
Class/Severity:	: Class B
Detector:	: Peak for pre-scan (9kHz Resolution Bandwidth)

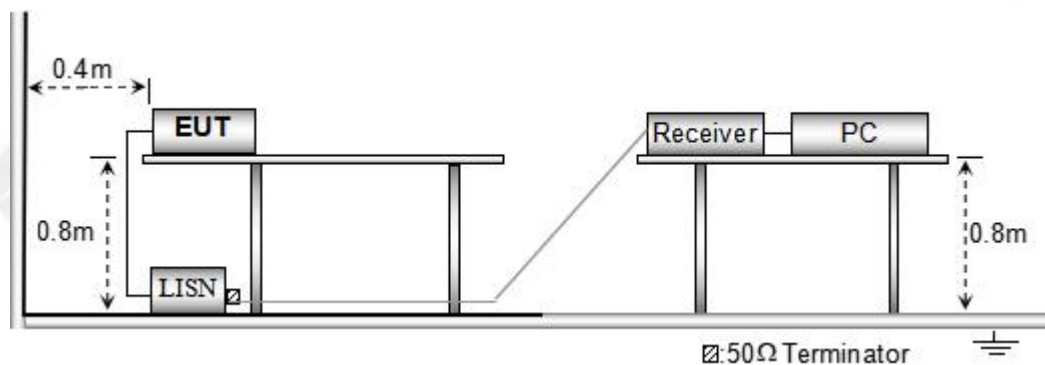
6.1 E.U.T. Operation

Operating Environment :

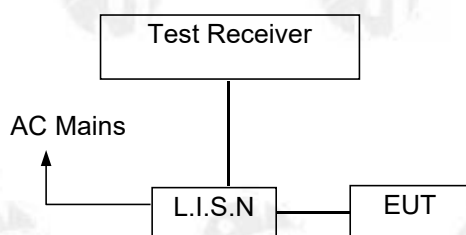
Temperature:	: 25°C
Humidity:	: 54% RH
Atmospheric Pressure:	: 1010hPa
Test Voltage	: AC 120V/60Hz

6.2 EUT Setup

The conducted emission tests were performed using the setup accordance with the ANSI C63.10-2020+Cor.1-2023



6.3 Test SET-UP (Block Diagram of Configuration)



6.4 Measurement 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.

6.5 Conducted Emission Limit

Conducted Emission

Frequency(MHz)	Quasi-peak	Average
0.15-0.5	66-56	56-46
0.5-5.0	56	46
5.0-30.0	60	50

Note:

1. The lower limit shall apply at the transition frequencies
2. The limit decreases in line with the logarithm of the frequency in the range of 0.15 to 0.50MHz.

6.6 Measurement Description

The maximised peak emissions from the EUT was scanned and measured for both the Live and Neutral Lines. Quasi-peak & average measurements were performed if peak emissions were within 6dB of the average limit line.

6.7 Conducted Emission Test Result

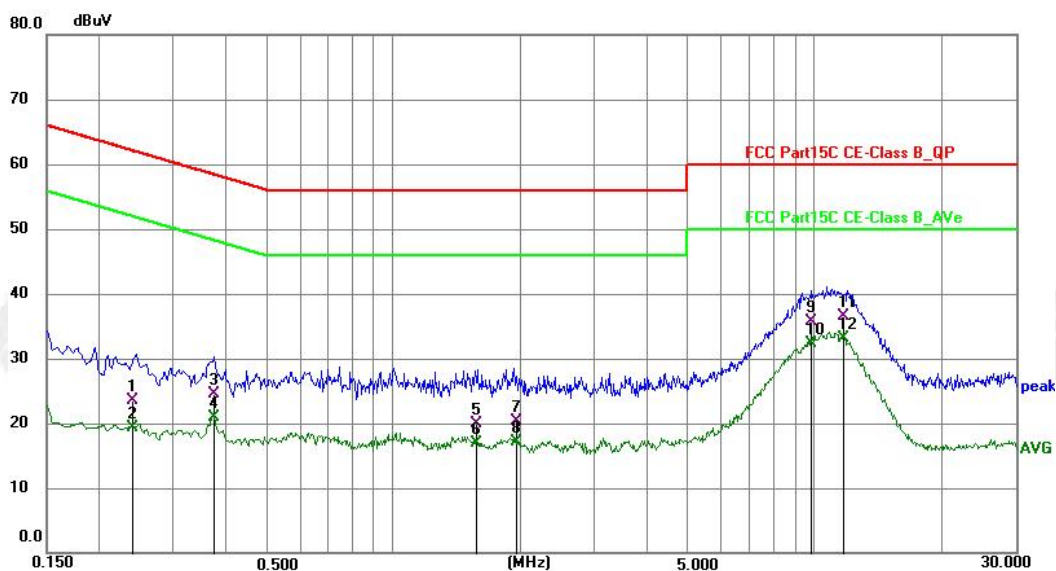
Pass.

Conducted emission at all mode, only the worst mode is recorded in the following pages.



Temperature:	25 °C	Relative Humidity:	54%
Pressure:	1010hPa	Phase :	L
Test Voltage :	DC 5V from Adapter input AC 120V/60Hz	Mode:	Π/4-DQPSK-2402MHz

Left Wireless Headphone test data



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector
1	0.2405	13.26	10.15	23.41	62.08	-38.67	QP
2	0.2405	9.21	10.15	19.36	52.08	-32.72	AVG
3	0.3738	14.45	10.13	24.58	58.42	-33.84	QP
4	0.3738	10.69	10.13	20.82	48.42	-27.60	AVG
5	1.5806	9.85	10.14	19.99	56.00	-36.01	QP
6	1.5806	6.80	10.14	16.94	46.00	-29.06	AVG
7	1.9500	10.07	10.16	20.23	56.00	-35.77	QP
8	1.9500	6.99	10.16	17.15	46.00	-28.85	AVG
9	9.8409	25.32	10.34	35.66	60.00	-24.34	QP
10	9.8409	21.88	10.34	32.22	50.00	-17.78	AVG
11	11.6952	26.04	10.40	36.44	60.00	-23.56	QP
12 *	11.6952	22.71	10.40	33.11	50.00	-16.89	AVG

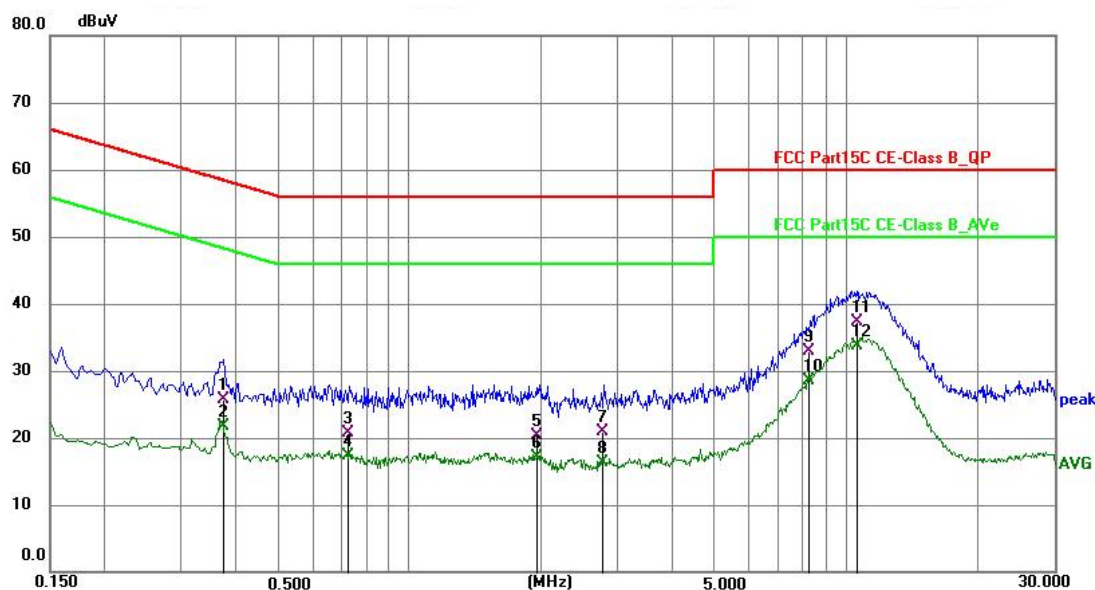
Note:

1. Quasi-Peak and Average measurement were performed at the frequencies with maximized peak emission.
2. An initial pre-scan was performed on the line and neutral lines with peak detector.
3. Correct Factor = Insertion loss of LISN + Cable loss.
4. Margin = Reading level + Correct Factor - Limit.



Temperature:	25 °C	Relative Humidity:	54%
Pressure:	1010hPa	Phase :	N
Test Voltage :	DC 5V from Adapter input AC 120V/60Hz	Mode:	Π/4-DQPSK-2402MHz

Left Wireless Headphone test data



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector
1	0.3734	15.61	10.12	25.73	58.42	-32.69	QP
2	0.3734	11.49	10.12	21.61	48.42	-26.81	AVG
3	0.7297	10.50	10.12	20.62	56.00	-35.38	QP
4	0.7297	7.18	10.12	17.30	46.00	-28.70	AVG
5	1.9664	10.08	10.15	20.23	56.00	-35.77	QP
6	1.9664	6.92	10.15	17.07	46.00	-28.93	AVG
7	2.7764	10.76	10.17	20.93	56.00	-35.07	QP
8	2.7764	6.13	10.17	16.30	46.00	-29.70	AVG
9	8.2713	22.52	10.31	32.83	60.00	-27.17	QP
10	8.2713	18.15	10.31	28.46	50.00	-21.54	AVG
11	10.6095	26.86	10.37	37.23	60.00	-22.77	QP
12 *	10.6095	23.31	10.37	33.68	50.00	-16.32	AVG

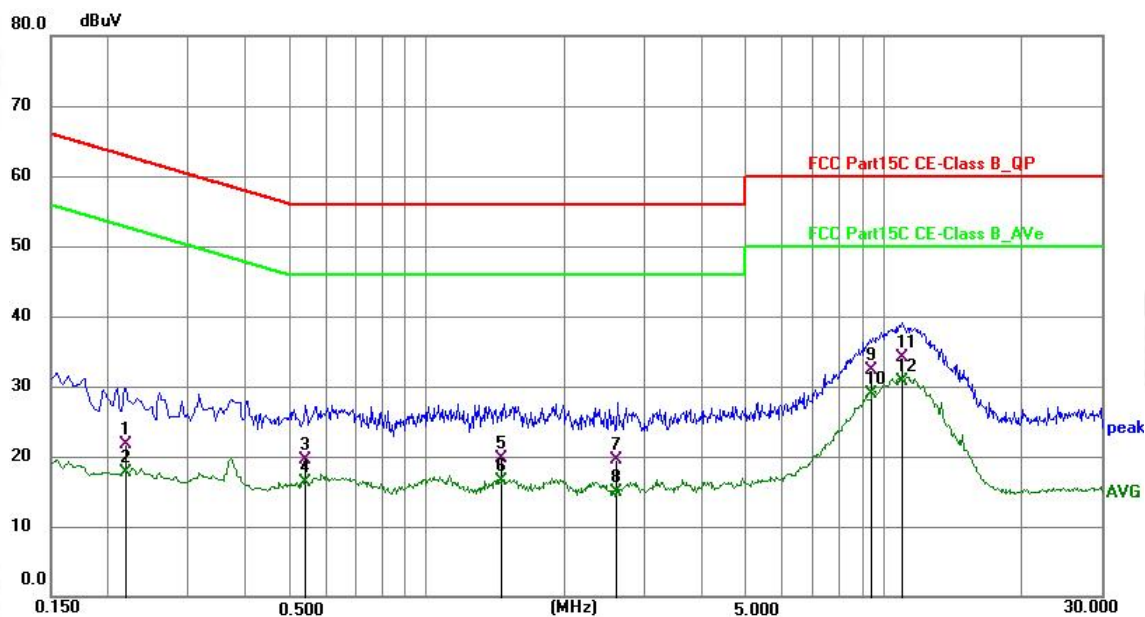
Note:

1. Quasi-Peak and Average measurement were performed at the frequencies with maximized peak emission.
2. An initial pre-scan was performed on the line and neutral lines with peak detector.
3. Correct Factor = Insertion loss of LISN + Cable loss.
4. Margin = Reading level + Correct Factor - Limit.



Temperature:	25 °C	Relative Humidity:	54%
Pressure:	1010hPa	Phase :	L
Test Voltage :	DC 5V from Adapter input AC 120V/60Hz	Mode:	Π/4-DQPSK-2402MHz

Right Wireless Headphone test data



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector
1	0.2194	2.08	19.55	21.63	62.84	-41.21	QP
2	0.2194	-1.91	19.55	17.64	52.84	-35.20	AVG
3	0.5419	0.00	19.53	19.53	56.00	-36.47	QP
4	0.5419	-3.23	19.53	16.30	46.00	-29.70	AVG
5	1.4660	0.07	19.55	19.62	56.00	-36.38	QP
6	1.4660	-3.06	19.55	16.49	46.00	-29.51	AVG
7	2.6142	-0.07	19.56	19.49	56.00	-36.51	QP
8	2.6142	-4.62	19.56	14.94	46.00	-31.06	AVG
9	9.4848	12.64	19.63	32.27	60.00	-27.73	QP
10	9.4848	9.27	19.63	28.90	50.00	-21.10	AVG
11	10.9909	14.46	19.62	34.08	60.00	-25.92	QP
12 *	10.9909	11.16	19.62	30.78	50.00	-19.22	AVG

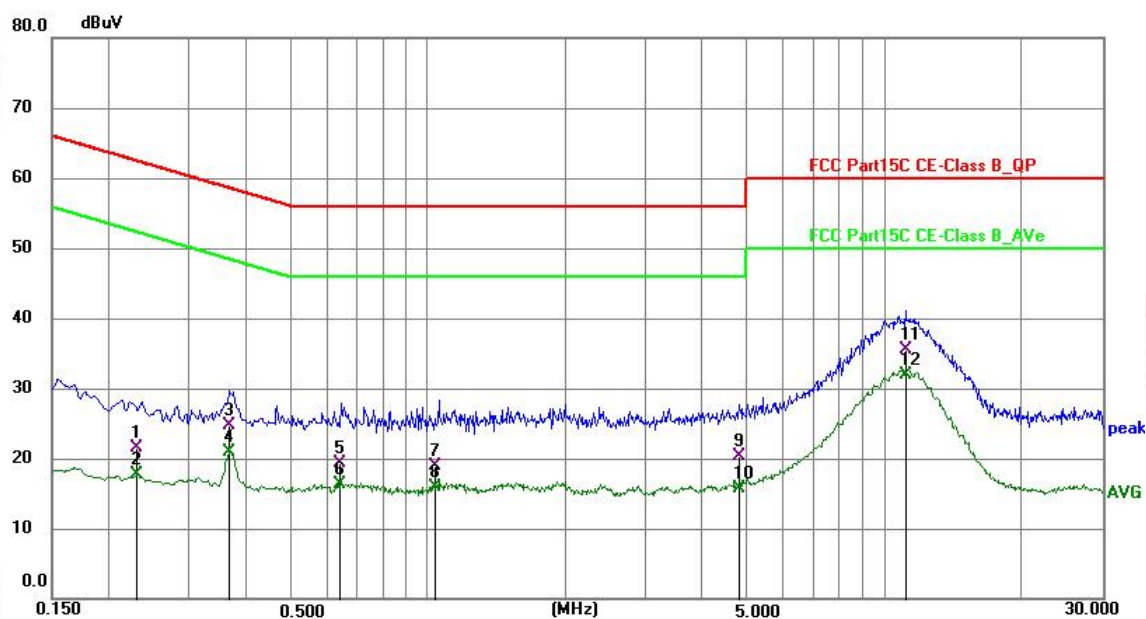
Note:

1. Quasi-Peak and Average measurement were performed at the frequencies with maximized peak emission.
2. An initial pre-scan was performed on the line and neutral lines with peak detector.
3. Correct Factor = Insertion loss of LISN + Cable loss.
4. Margin = Reading level + Correct Factor - Limit.



Temperature:	25 °C	Relative Humidity:	54%
Pressure:	1010hPa	Phase :	N
Test Voltage :	DC 5V from Adapter input AC 120V/60Hz	Mode:	Π/4-DQPSK-2402MHz

Right Wireless Headphone test data



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector
1	0.2304	1.97	19.54	21.51	62.44	-40.93	QP
2	0.2304	-1.82	19.54	17.72	52.44	-34.72	AVG
3	0.3653	5.09	19.52	24.61	58.61	-34.00	QP
4	0.3653	1.47	19.52	20.99	48.61	-27.62	AVG
5	0.6437	-0.23	19.53	19.30	56.00	-36.70	QP
6	0.6437	-3.23	19.53	16.30	46.00	-29.70	AVG
7	1.0421	-0.61	19.54	18.93	56.00	-37.07	QP
8	1.0421	-3.60	19.54	15.94	46.00	-30.06	AVG
9	4.8215	0.62	19.60	20.22	56.00	-35.78	QP
10	4.8215	-3.90	19.60	15.70	46.00	-30.30	AVG
11	11.1258	15.84	19.64	35.48	60.00	-24.52	QP
12 *	11.1258	12.30	19.64	31.94	50.00	-18.06	AVG

Note:

1. Quasi-Peak and Average measurement were performed at the frequencies with maximized peak emission.
2. An initial pre-scan was performed on the line and neutral lines with peak detector.
3. Correct Factor = Insertion loss of LISN + Cable loss.
4. Margin = Reading level + Correct Factor - Limit.



7 Radiated Spurious Emissions

Test Requirement : FCC CFR47 Part 15 Section 15.209 & 15.247

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

Test Result : PASS

Measurement Distance : 3m

Limit : See the follow table

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	$20\log^{(500)}$

7.1 EUT Operation

Operating Environment :

Temperature : 25 °C

Humidity : 54% RH

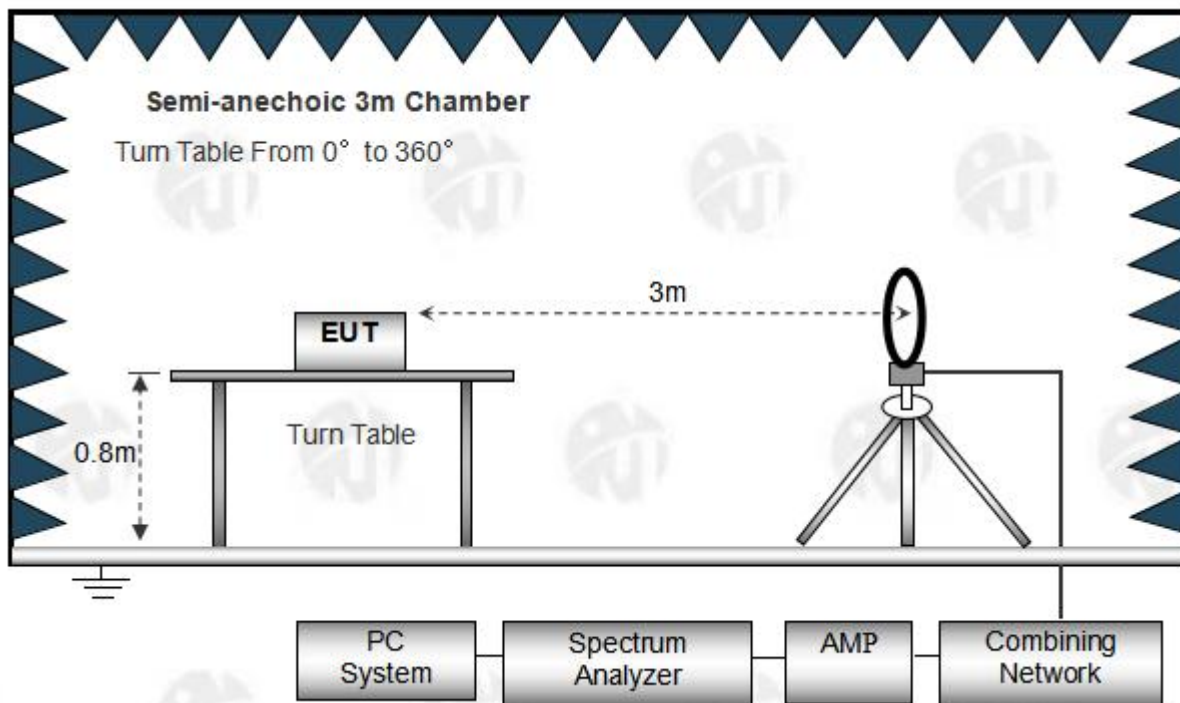
Atmospheric Pressure : 1010hPa

Test Voltage : AC 120V/60Hz

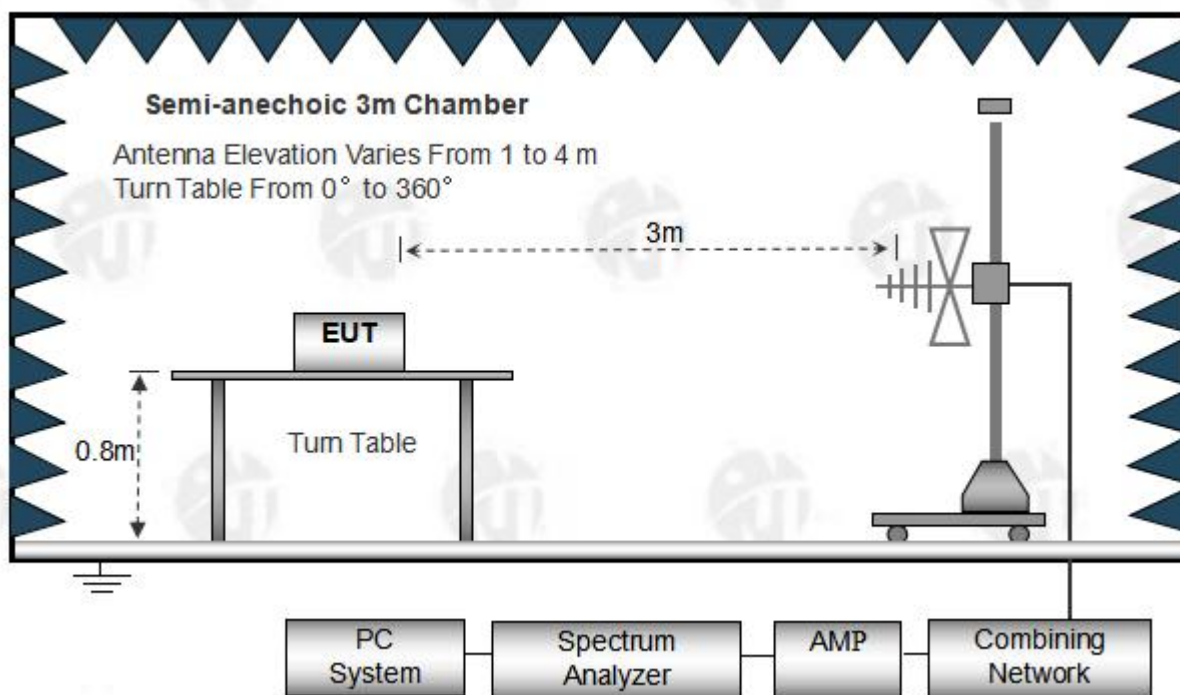
7.2 Test Setup

The radiated emission tests were performed in the 3m Semi-Anechoic Chamber test site

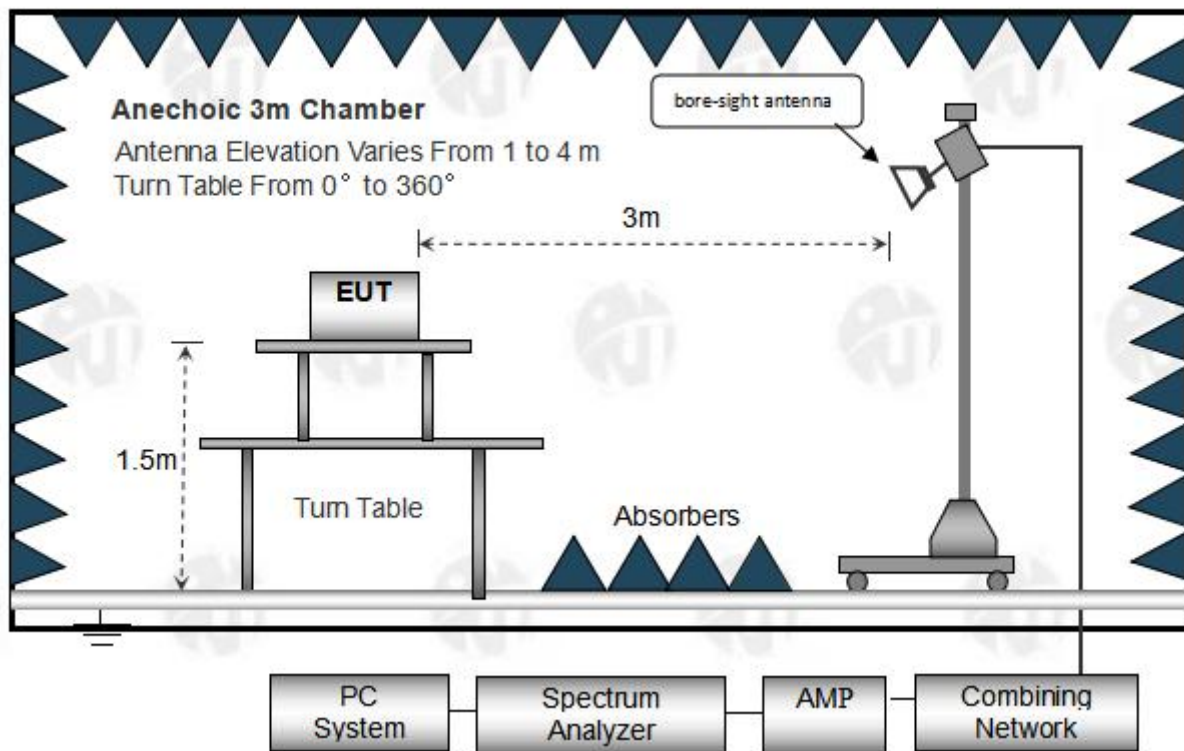
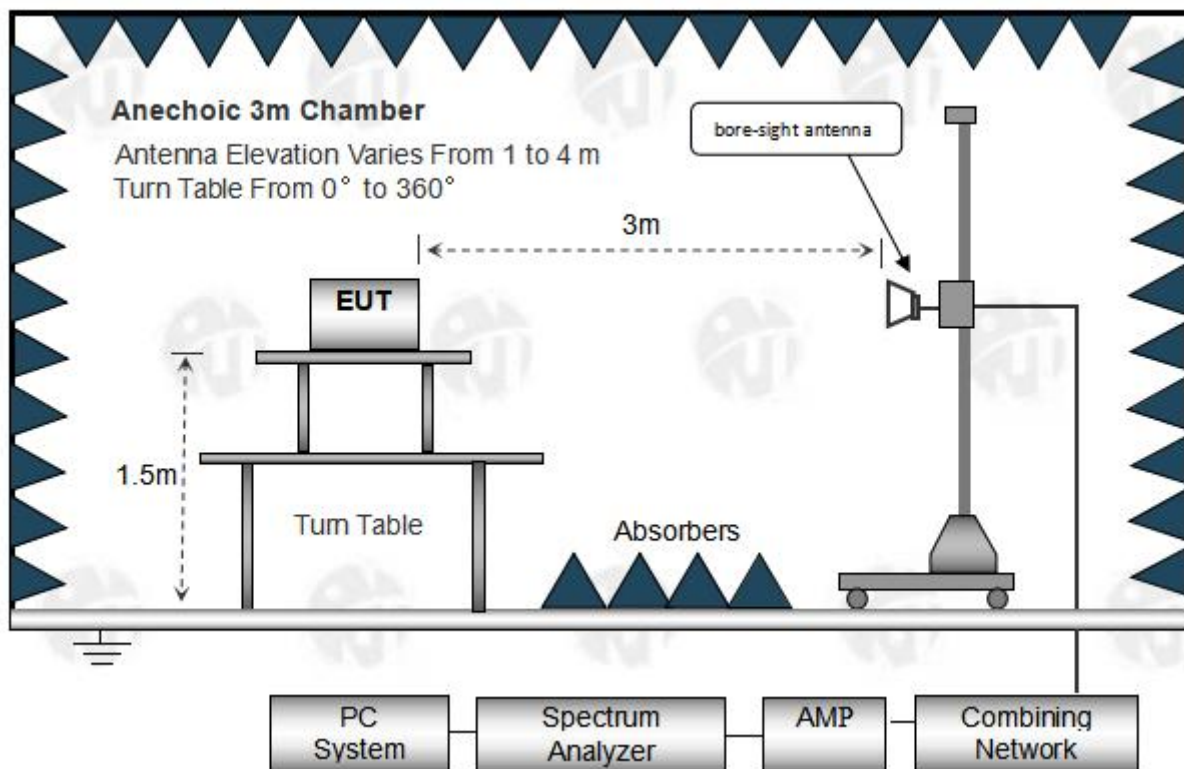
The test setup for emission measurement below 30MHz



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



The test setup for emission measurement above 1 GHz



7.3 Spectrum Analyzer Setup

Spectrum Parameter	Setting
Attenuation	Auto
Start Frequency	1000 MHz
Stop Frequency	10th carrier harmonic
RB / VB (emission in restricted band)	1 MHz / 1 MHz for Peak, 1 MHz / 10Hz for Average

Receiver Parameter	Setting
Attenuation	Auto
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

7.4 Test Procedure

1. The testing follows the guidelines in Spurious Radiated Emissions of ANSI C63.10-2020 + Cor. 1-2023+C63.10a-2024 + Errata to C63.10a-2024.
2. Below 1000MHz, The EUT was placed on a turn table which is 0.8m above ground plane. And above 1000MHz, The EUT was placed on a styrofoam table which is 1.5m above ground plane.
3. The EUT was set 3 meters from the interference receiving antenna, which was mounted on the top of a variable height antenna tower.
4. For each suspected emission, the EUT was arranged to its worst case and then tune the Antenna tower (From 1m to 4m) and turntable (from 0 degree to 360 degree) to find the maximum reading. A pre-amp and a high pass filter are used for the test in order to get better signal level to comply with the guidelines.
5. Set to the maximum power setting and enable the EUT transmit continuously.
6. Final measurement (Above 1GHz): The frequency range will be divided into different sub ranges depending of the frequency range of the used horn antenna. The EMI Receiver set to peak and average mode and a resolution bandwidth of 1MHz. The measurement will be performed in horizontal and vertical polarization of the measuring antenna and while rotating the EUT in its vertical axis in the range of 0 degree to 360 degree in order to have the antenna inside the cone of radiation.
7. Test Procedure of measurement (For Above 1GHz):
 - 1) Monitor the frequency range at horizontal polarization and move the antenna over all sides of the EUT(if necessary move the EUT to another orthogonal axis).
 - 2) Change the antenna polarization and repeat 1) with vertical polarization.
 - 3) Make a hardcopy of the spectrum.
 - 4) Measure the frequency of the detected emissions with a lower span and resolution bandwidth to increase the accuracy and note the frequency value.
 - 5) Change the analyzer mode to Clear/ Write and found the cone of emission.
 - 6) Rotate and move the EUT, so that the measuring distance can be enlarged to 3m and the antenna will be still inside the cone of emission.
 - 7) Measure the level of the detected frequency with the correct resolution bandwidth, with the antenna polarization and azimuth and the peak and average detector, which causes the maximum emission.
 - 8) Repeat steps 1) to 7) for the next antenna spot if the EUT is larger than the antenna beamwidth.



8. The radiation measurements are tested under 3-axes(X,Y,Z) position(X denotes lying on the table, Y denotes side stand and Z denotes vertical stand), After pre-test, It was found that the worse radiation emission was get at the X position. So the data shown was the X position only.

7.5 Summary of Test Results

Test Frequency: 9KHz-30MHz

Freq. (MHz)	Ant.Pol. H/V	Emission Level (dBuV/m)	Limit 3m (dBuV/m)	Over (dB)
--	--	--	--	>20

Note:

The amplitude of spurious emission that is attenuated by more than 20dB below the permissible limit has no need to be reported.

Distance extrapolation factor = $40\log(\text{Specific distance}/\text{test distance})$ (dB);

Limit line = Specific limits(dBuV) + distance extrapolation factor.

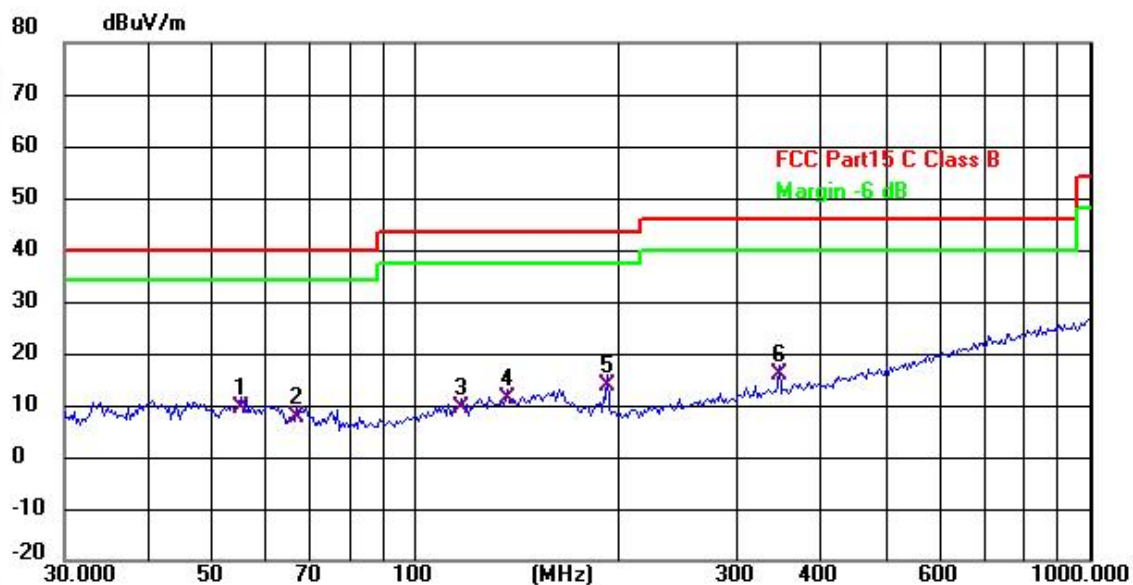
Test Frequency: 30MHz ~ 1GHz

Please refer to the following test plots, we had tested the EUT at different modulation modes, then recorded the worst mode : $\pi/4$ -DQPSK, the Low Channel (2402MHz) :



Temperature:	25 °C	Relative Humidity:	54%
Pressure:	1010hPa	Phase :	Horizontal
Test Voltage :	DC 3.7V	Mode:	Π/4-DQPSK-2402MHz

Left Wireless Headphone test data



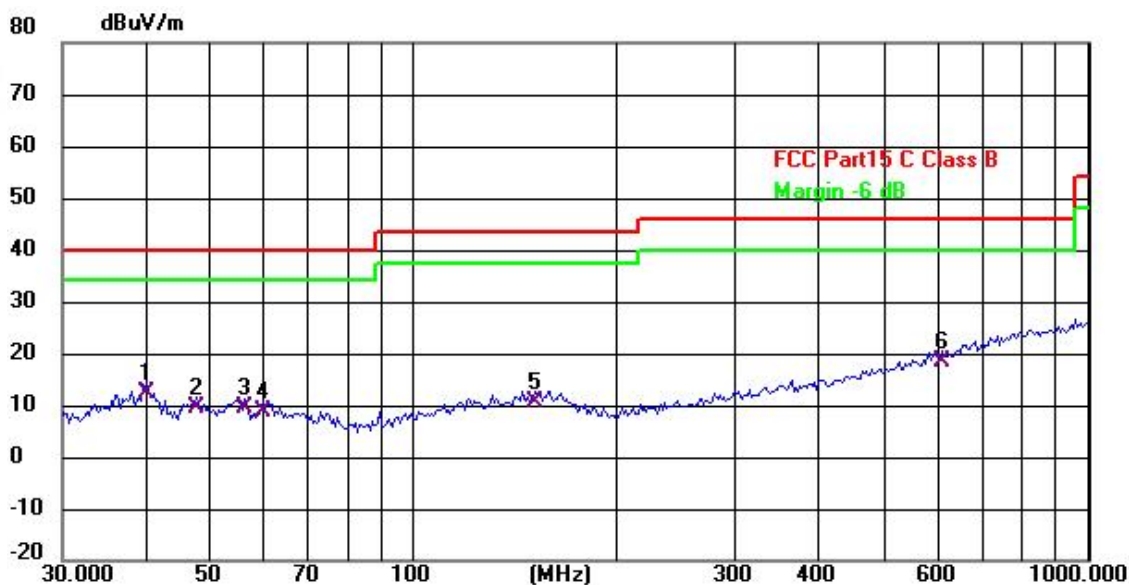
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	54.8348	27.09	-17.49	9.60	40.00	-30.40	QP
2	66.2661	26.56	-18.86	7.70	40.00	-32.30	QP
3	116.9494	27.38	-18.08	9.30	43.50	-34.20	QP
4	136.4598	28.06	-16.96	11.10	43.50	-32.40	QP
5 *	192.4185	32.88	-19.18	13.70	43.50	-29.80	QP
6	346.8092	31.11	-15.31	15.80	46.00	-30.20	QP

Remark:Emission Level=Reading+Cable Loss+Factor



Temperature:	25 °C	Relative Humidity:	54%
Pressure:	1010hPa	Phase :	Vertical
Test Voltage :	DC 3.7V	Mode:	Π/4-DQPSK-2402MHz

Left Wireless Headphone test data



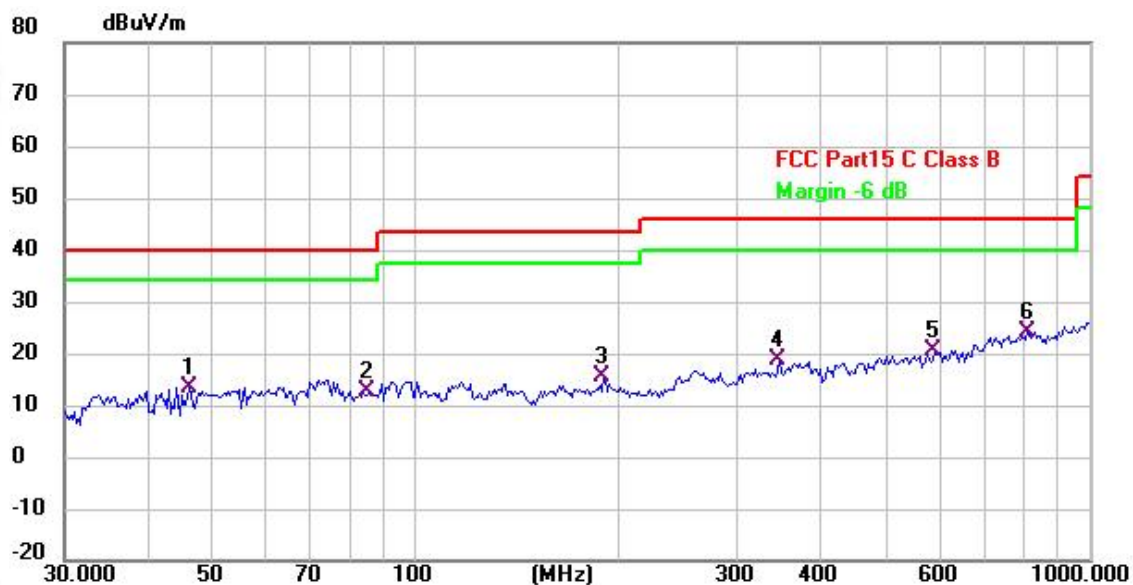
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1 *	39.9942	29.15	-16.75	12.40	40.00	-27.60	QP
2	47.3255	26.39	-17.09	9.30	40.00	-30.70	QP
3	56.0007	26.96	-17.56	9.40	40.00	-30.60	QP
4	59.6493	26.68	-17.78	8.90	40.00	-31.10	QP
5	151.5972	26.71	-16.21	10.50	43.50	-33.00	QP
6	607.7867	27.46	-9.06	18.40	46.00	-27.60	QP

Remark:Emission Level=Reading+Cable Loss+Factor



Temperature:	25 °C	Relative Humidity:	54%
Pressure:	1010hPa	Phase :	Horizontal
Test Voltage :	DC 3.7V	Mode:	Π/4-DQPSK-2402MHz

Right Wireless Headphone test data



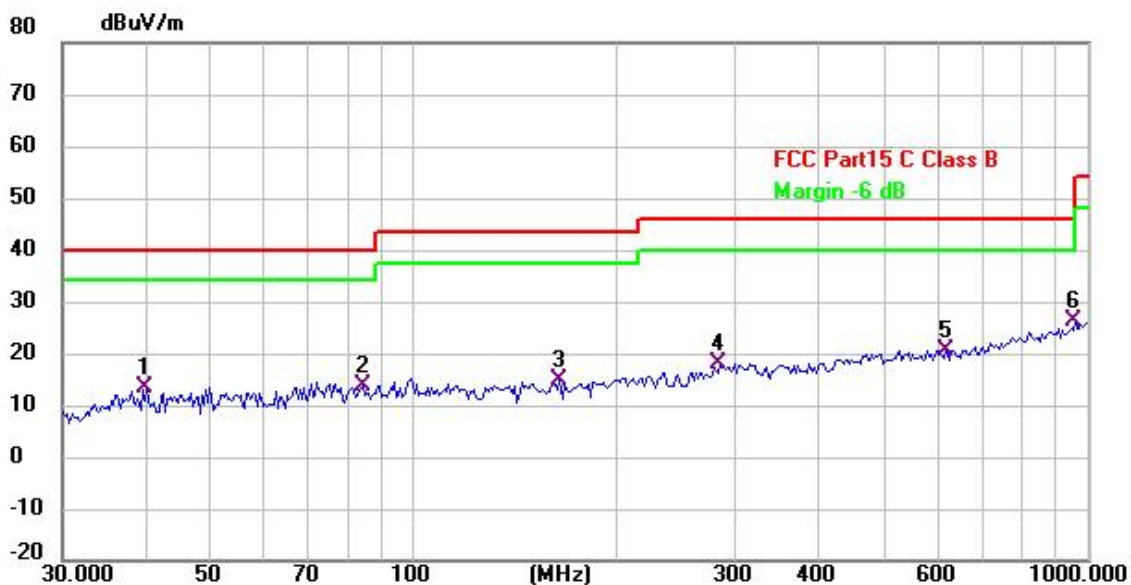
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	46.0164	30.25	-17.02	13.23	40.00	-26.77	QP
2	85.2980	33.59	-21.07	12.52	40.00	-27.48	QP
3	189.7385	34.51	-19.07	15.44	43.50	-28.06	QP
4	346.8092	34.15	-15.31	18.84	46.00	-27.16	QP
5	590.9737	30.03	-9.44	20.59	46.00	-25.41	QP
6 *	810.2654	28.90	-4.90	24.00	46.00	-22.00	QP

Remark:Emission Level=Reading+Factor



Temperature:	25 °C	Relative Humidity:	54%
Pressure:	1010hPa	Phase :	Vertical
Test Voltage :	DC 3.7V	Mode:	Π/4-DQPSK-2402MHz

Right Wireless Headphone test data



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	39.9942	30.23	-16.75	13.48	40.00	-26.52	QP
2	84.1100	34.91	-21.10	13.81	40.00	-26.19	QP
3	163.7550	31.28	-16.31	14.97	43.50	-28.53	QP
4	284.9767	34.85	-16.83	18.02	46.00	-27.98	QP
5	616.3718	29.46	-8.87	20.59	46.00	-25.41	QP
6 *	958.7943	28.98	-2.84	26.14	46.00	-19.86	QP

Remark:Emission Level=Reading+Cable Loss+ANT Factor-AMP Factor



Test Frequency 1GHz-25GHz

All the modes have tested and recorded the worst mode(Π/4-DQPSK) in the report

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	49.37	34.12	5.03	32.39	52.67	74.00	-21.33	Pk
V	4804.00	36.54	34.12	5.03	32.39	39.84	54.00	-14.16	AV
V	7206.00	47.74	32.54	6.29	35.86	57.35	74.00	-16.65	Pk
V	7206.00	34.03	32.54	6.29	35.86	43.64	54.00	-10.36	AV
V	9608.00	46.68	32.98	7.55	38.40	59.65	74.00	-14.35	Pk
V	9608.00	32.31	32.98	7.55	38.40	45.28	54.00	-8.72	AV
V	12010.00	43.66	32.09	8.93	39.00	59.50	74.00	-14.50	Pk
V	12010.00	32.73	32.09	8.93	39.00	48.57	54.00	-5.43	AV
H	4804.00	47.57	34.12	5.03	32.39	50.87	74.00	-23.13	Pk
H	4804.00	36.05	34.12	5.03	32.39	39.35	54.00	-14.65	AV
H	7206.00	47.12	32.54	6.29	35.86	56.73	74.00	-17.27	Pk
H	7206.00	32.50	32.54	6.29	35.86	42.11	54.00	-11.89	AV
H	9608.00	46.06	32.98	7.55	38.40	59.03	74.00	-14.97	Pk
H	9608.00	31.87	32.98	7.55	38.40	44.84	54.00	-9.16	AV
H	12010.00	39.94	32.09	8.93	39.00	55.78	74.00	-18.22	Pk
H	12010.00	28.94	32.09	8.93	39.00	44.78	54.00	-9.22	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:2441MHz									
V	4882.00	47.44	34.07	5.09	32.59	51.05	74.00	-22.95	Pk
V	4882.00	36.99	34.07	5.09	32.59	40.60	54.00	-13.40	AV
V	7323.00	46.38	32.63	6.34	35.96	56.05	74.00	-17.95	Pk
V	7323.00	33.26	32.63	6.34	35.96	42.93	54.00	-11.07	AV
V	9764.00	40.25	32.92	7.59	38.40	53.32	74.00	-20.68	Pk
V	9764.00	27.73	32.92	7.59	38.40	40.80	54.00	-13.20	AV
V	12205.00	37.39	31.96	8.88	39.04	53.35	74.00	-20.65	Pk
V	12205.00	28.16	31.96	8.88	39.04	44.12	54.00	-9.88	AV
H	4882.00	49.66	34.07	5.09	32.59	53.27	74.00	-20.73	Pk
H	4882.00	37.96	34.07	5.09	32.59	41.57	54.00	-12.43	AV
H	7323.00	45.24	32.63	6.34	35.96	54.91	74.00	-19.09	Pk
H	7323.00	30.65	32.63	6.34	35.96	40.32	54.00	-13.68	AV
H	9764.00	39.79	32.92	7.59	38.40	52.86	74.00	-21.14	Pk
H	9764.00	29.35	32.92	7.59	38.40	42.42	54.00	-11.58	AV
H	12205.00	38.25	31.96	8.88	39.04	54.21	74.00	-19.79	Pk
H	12205.00	26.81	31.96	8.88	39.04	42.77	54.00	-11.23	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	47.50	34.02	5.15	32.80	51.43	74.00	-22.57	Pk
V	4960.00	35.06	34.02	5.15	32.80	38.99	54.00	-15.01	AV
V	7440.00	44.29	32.71	6.40	36.05	54.03	74.00	-19.97	Pk
V	7440.00	31.38	32.71	6.40	36.05	41.12	54.00	-12.88	AV
V	9920.00	43.52	32.86	7.62	38.40	56.68	74.00	-17.32	Pk
V	9920.00	30.65	32.86	7.62	38.40	43.81	54.00	-10.19	AV
V	12400.00	39.07	31.82	8.84	39.08	55.17	74.00	-18.83	Pk
V	12400.00	26.47	31.82	8.84	39.08	42.57	54.00	-11.43	AV
H	4960.00	47.33	34.02	5.15	32.80	51.26	74.00	-22.74	Pk
H	4960.00	38.62	34.02	5.15	32.80	42.55	54.00	-11.45	AV
H	7440.00	45.65	32.71	6.40	36.05	55.39	74.00	-18.61	Pk
H	7440.00	35.08	32.71	6.40	36.05	44.82	54.00	-9.18	AV
H	9920.00	42.86	32.86	7.62	38.40	56.02	74.00	-17.98	Pk
H	9920.00	32.26	32.86	7.62	38.40	45.42	54.00	-8.58	AV
H	12400.00	39.37	31.82	8.84	39.08	55.47	74.00	-18.53	Pk
H	12400.00	27.99	31.82	8.84	39.08	44.09	54.00	-9.91	AV



Right 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	49.52	34.12	5.03	32.39	52.82	74.00	-21.18	Pk
V	4804.00	39.56	34.12	5.03	32.39	42.86	54.00	-11.14	AV
V	7206.00	46.94	32.54	6.29	35.86	56.55	74.00	-17.45	Pk
V	7206.00	34.78	32.54	6.29	35.86	44.39	54.00	-9.61	AV
V	9608.00	44.02	32.98	7.55	38.40	56.99	74.00	-17.01	Pk
V	9608.00	35.07	32.98	7.55	38.40	48.04	54.00	-5.96	AV
V	12010.00	41.75	32.09	8.93	39.00	57.59	74.00	-16.41	Pk
V	12010.00	32.29	32.09	8.93	39.00	48.13	54.00	-5.87	AV
H	4804.00	48.25	34.12	5.03	32.39	51.55	74.00	-22.45	Pk
H	4804.00	37.26	34.12	5.03	32.39	40.56	54.00	-13.44	AV
H	7206.00	46.99	32.54	6.29	35.86	56.60	74.00	-17.40	Pk
H	7206.00	36.08	32.54	6.29	35.86	45.69	54.00	-8.31	AV
H	9608.00	46.60	32.98	7.55	38.40	59.57	74.00	-14.43	Pk
H	9608.00	33.05	32.98	7.55	38.40	46.02	54.00	-7.98	AV
H	12010.00	37.25	32.09	8.93	39.00	53.09	74.00	-20.91	Pk
H	12010.00	29.32	32.09	8.93	39.00	45.16	54.00	-8.84	AV



Right 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:2441MHz									
V	4882.00	48.51	34.07	5.09	32.59	52.12	74.00	-21.88	Pk
V	4882.00	35.39	34.07	5.09	32.59	39.00	54.00	-15.00	AV
V	7323.00	46.08	32.63	6.34	35.96	55.75	74.00	-18.25	Pk
V	7323.00	33.64	32.63	6.34	35.96	43.31	54.00	-10.69	AV
V	9764.00	39.32	32.92	7.59	38.40	52.39	74.00	-21.61	Pk
V	9764.00	25.91	32.92	7.59	38.40	38.98	54.00	-15.02	AV
V	12205.00	37.80	31.96	8.88	39.04	53.76	74.00	-20.24	Pk
V	12205.00	25.85	31.96	8.88	39.04	41.81	54.00	-12.19	AV
H	4882.00	45.78	34.07	5.09	32.59	49.39	74.00	-24.61	Pk
H	4882.00	36.03	34.07	5.09	32.59	39.64	54.00	-14.36	AV
H	7323.00	42.22	32.63	6.34	35.96	51.89	74.00	-22.11	Pk
H	7323.00	33.88	32.63	6.34	35.96	43.55	54.00	-10.45	AV
H	9764.00	39.77	32.92	7.59	38.40	52.84	74.00	-21.16	Pk
H	9764.00	29.27	32.92	7.59	38.40	42.34	54.00	-11.66	AV
H	12205.00	39.11	31.96	8.88	39.04	55.07	74.00	-18.93	Pk
H	12205.00	29.32	31.96	8.88	39.04	45.28	54.00	-8.72	AV



Right 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
High Channel:2480MHz									
V	4960.00	46.61	34.02	5.15	32.80	50.54	74.00	-23.46	Pk
V	4960.00	38.46	34.02	5.15	32.80	42.39	54.00	-11.61	AV
V	7440.00	43.10	32.71	6.40	36.05	52.84	74.00	-21.16	Pk
V	7440.00	32.71	32.71	6.40	36.05	42.45	54.00	-11.55	AV
V	9920.00	41.31	32.86	7.62	38.40	54.47	74.00	-19.53	Pk
V	9920.00	31.71	32.86	7.62	38.40	44.87	54.00	-9.13	AV
V	12400.00	41.40	31.82	8.84	39.08	57.50	74.00	-16.50	Pk
V	12400.00	28.26	31.82	8.84	39.08	44.36	54.00	-9.64	AV
H	4960.00	46.52	34.02	5.15	32.80	50.45	74.00	-23.55	Pk
H	4960.00	38.18	34.02	5.15	32.80	42.11	54.00	-11.89	AV
H	7440.00	46.74	32.71	6.40	36.05	56.48	74.00	-17.52	Pk
H	7440.00	31.62	32.71	6.40	36.05	41.36	54.00	-12.64	AV
H	9920.00	39.61	32.86	7.62	38.40	52.77	74.00	-21.23	Pk
H	9920.00	31.05	32.86	7.62	38.40	44.21	54.00	-9.79	AV
H	12400.00	37.06	31.82	8.84	39.08	53.16	74.00	-20.84	Pk
H	12400.00	27.34	31.82	8.84	39.08	43.44	54.00	-10.56	AV

Note: 1. The testing has been conformed to 10*2480MHz=24800MHz.

2. All other emissions more than 30dB below the limit.

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

Emission Level = Reading + Factor

Margin=Emission Level-Limit

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)	Frequency (MHz)	Meter Reading (dBuV)	Pre- amplifier (dB)	Cable Loss (dB)	Antenna Factor (dB/m)	Emission level (dBuV/m)	Limit (dBu V/m)	Margin (dB)	Detector Type
GFSK	Low Channel: 2402MHz									
	H	2390.00	58.37	35.17	3.48	27.49	54.17	74.00	-19.83	PK
	H	2390.00	49.51	35.17	3.48	27.49	45.31	54.00	-8.69	AV
	H	2400.00	59.39	35.16	3.49	27.52	55.24	74.00	-18.76	PK
	H	2400.00	50.06	35.16	3.49	27.52	45.91	54.00	-8.09	AV
	V	2390.00	57.92	35.17	3.48	27.49	53.72	74.00	-20.28	PK
	V	2390.00	49.84	35.17	3.48	27.49	45.64	54.00	-8.36	AV
	V	2400.00	60.00	35.16	3.49	27.52	55.85	74.00	-18.15	PK
	V	2400.00	49.55	35.16	3.49	27.52	45.40	54.00	-8.6	AV
	High Channel: 2480MHz									
	H	2483.50	57.35	35.11	3.56	27.75	53.55	74.00	-20.45	PK
	H	2483.50	48.57	35.11	3.56	27.75	44.77	54.00	-9.23	AV
	H	2500.00	59.27	35.10	3.57	27.80	55.54	74.00	-18.46	PK
	H	2500.00	49.28	35.10	3.57	27.80	45.55	54.00	-8.45	AV
	V	2483.50	58.95	35.11	3.56	27.75	55.15	74.00	-18.85	PK
	V	2483.50	50.48	35.11	3.56	27.75	46.68	54.00	-7.32	AV
	V	2500.00	58.58	35.10	3.57	27.80	54.85	74.00	-19.15	PK
	V	2500.00	49.78	35.10	3.57	27.80	46.05	54.00	-7.95	AV
π/4-DQ PSK	Low Channel: 2402MHz									
	H	2390.00	57.92	35.17	3.48	27.49	53.72	74.00	-20.28	PK
	H	2390.00	49.97	35.17	3.48	27.49	45.77	54.00	-8.23	AV
	H	2400.00	59.55	35.16	3.49	27.52	55.40	74.00	-18.6	PK
	H	2400.00	50.20	35.16	3.49	27.52	46.05	54.00	-7.95	AV
	V	2390.00	57.45	35.17	3.48	27.49	53.25	74.00	-20.75	PK
	V	2390.00	49.91	35.17	3.48	27.49	45.71	54.00	-8.29	AV



V	2400.00	59.49	35.16	3.49	27.52	55.34	74.00	-18.66	PK
V	2400.00	49.69	35.16	3.49	27.52	45.54	54.00	-8.46	AV
High Channel: 2480MHz									
H	2483.50	58.02	35.11	3.56	27.75	54.22	74.00	-19.78	PK
H	2483.50	48.33	35.11	3.56	27.75	44.53	54.00	-9.47	AV
H	2500.00	58.81	35.10	3.57	27.80	55.08	74.00	-18.92	PK
H	2500.00	49.59	35.10	3.57	27.80	45.86	54.00	-8.14	AV
V	2483.50	58.75	35.11	3.56	27.75	54.95	74.00	-19.05	PK
V	2483.50	49.71	35.11	3.56	27.75	45.91	54.00	-8.09	AV
V	2500.00	59.16	35.10	3.57	27.80	55.43	74.00	-18.57	PK
V	2500.00	49.27	35.10	3.57	27.80	45.54	54.00	-8.46	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)	Frequency (MHz)	Meter Reading (dBuV)	Pre- amplifier (dB)	Cable Loss (dB)	Antenna Factor (dB/m)	Emission level (dBuV/m)	Limit (dBu V/m)	Margin (dB)	Detector Type
GFSK	Low Channel: 2402MHz									
	H	2390.00	58.17	35.17	3.48	27.49	53.97	74.00	-20.03	PK
	H	2390.00	49.82	35.17	3.48	27.49	45.62	54.00	-8.38	AV
	H	2400.00	59.64	35.16	3.49	27.52	55.49	74.00	-18.51	PK
	H	2400.00	50.24	35.16	3.49	27.52	46.09	54.00	-7.91	AV
	V	2390.00	57.85	35.17	3.48	27.49	53.65	74.00	-20.35	PK
	V	2390.00	49.99	35.17	3.48	27.49	45.79	54.00	-8.21	AV
	V	2400.00	59.81	35.16	3.49	27.52	55.66	74.00	-18.34	PK
	V	2400.00	49.94	35.16	3.49	27.52	45.79	54.00	-8.21	AV
	High Channel: 2480MHz									
	H	2483.50	57.23	35.11	3.56	27.75	53.43	74.00	-20.57	PK
	H	2483.50	48.63	35.11	3.56	27.75	44.83	54.00	-9.17	AV
	H	2500.00	59.16	35.10	3.57	27.80	55.43	74.00	-18.57	PK
	H	2500.00	50.03	35.10	3.57	27.80	46.30	54.00	-7.7	AV
	V	2483.50	58.08	35.11	3.56	27.75	54.28	74.00	-19.72	PK
	V	2483.50	50.02	35.11	3.56	27.75	46.22	54.00	-7.78	AV
	V	2500.00	58.92	35.10	3.57	27.80	55.19	74.00	-18.81	PK
	V	2500.00	49.82	35.10	3.57	27.80	46.09	54.00	-7.91	AV
π/4-DQ PSK	Low Channel: 2402MHz									
	H	2390.00	58.00	35.17	3.48	27.49	53.80	74.00	-20.2	PK
	H	2390.00	49.93	35.17	3.48	27.49	45.73	54.00	-8.27	AV
	H	2400.00	59.53	35.16	3.49	27.52	55.38	74.00	-18.62	PK
	H	2400.00	49.48	35.16	3.49	27.52	45.33	54.00	-8.67	AV
	V	2390.00	57.89	35.17	3.48	27.49	53.69	74.00	-20.31	PK
	V	2390.00	50.23	35.17	3.48	27.49	46.03	54.00	-7.97	AV
	V	2400.00	59.47	35.16	3.49	27.52	55.32	74.00	-18.68	PK
	V	2400.00	50.16	35.16	3.49	27.52	46.01	54.00	-7.99	AV



High Channel: 2480MHz										
H	2483.50	57.94	35.11	3.56	27.75	54.14	74.00	-19.86	PK	
H	2483.50	48.70	35.11	3.56	27.75	44.90	54.00	-9.1	AV	
H	2500.00	58.84	35.10	3.57	27.80	55.11	74.00	-18.89	PK	
H	2500.00	49.99	35.10	3.57	27.80	46.26	54.00	-7.74	AV	
V	2483.50	58.43	35.11	3.56	27.75	54.63	74.00	-19.37	PK	
V	2483.50	50.62	35.11	3.56	27.75	46.82	54.00	-7.18	AV	
V	2500.00	58.28	35.10	3.57	27.80	54.55	74.00	-19.45	PK	
V	2500.00	49.85	35.10	3.57	27.80	46.12	54.00	-7.88	AV	

Remark:

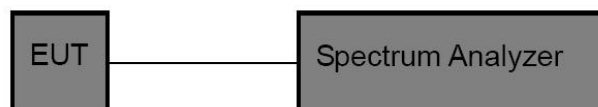
1. Emission Level = Meter Reading + Antenna Factor + Cable Loss – Pre-amplifier, Margin= Emission Level - Limit

8 Maximum Peak Output Power Test

8.1 Test Standard and Limit

Test Standard	FCC Part15 C Section 15.247 (b)(1)
Test Limit	For frequency hopping systems operating in the 2400-2483.5 MHz band employing at least 75 non-overlapping hopping channels, and all frequency hopping systems in the 5725-5850 MHz band: 1 watt. For all other frequency hopping systems in the 2400-2483.5 MHz band: 0.125 watts. For FHSs operating in the band 2400-2483.5 MHz, the maximum peak conducted output power shall not exceed 1.0 W if the hopset uses 75 or more hopping channels; the maximum peak conducted output power shall not exceed 0.125 W if the hopset uses less than 75 hopping channels. The e.i.r.p. shall not exceed 4 W.

8.2 Test Setup



8.3 Test Procedure

1. The EUT was directly connected to the spectrum analyzer and antenna output port as show in the block diagram above,
2. Spectrum Setting:

RBW > the 20 dB bandwidth of the emission being measured

Span = approximately 5 times the 20 dB bandwidth, centered on a hopping channel

VBW $\geq$ RBW

Sweep = auto

Detector function = peak

Trace = max hold

8.4 Test Data

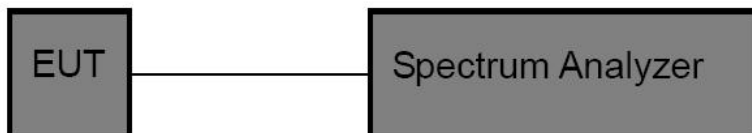
Please see the attachment for data.

9 20DB Occupy Bandwidth Test

9.1 Test Standard

Test Standard	FCC Part15 C Section 15.247 (a)(1)
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9.2 Test Setup



9.3 Test Procedure

Using the following spectrum analyzer settings:

For 20dB Bandwidth Measurement:

1. Span= approximately 2 to 3 times the 20dB bandwidth, centered on a hopping channel.
2. Set the RBW = 30 kHz.
3. Set the VBW = 100 kHz.
4. Sweep time = auto couple.
5. Detector function = peak.
6. Trace mode = max hold.
7. Allow trace to fully stabilize.

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 $\geq$ 3RBW

9.4 Test Data

Please see the attachment for data.



10 Carrier Frequency Separation Test

10.1 Test Standard and Limit

Test Standard	FCC Part15 C Section 15.247 (a)(1)
Test Limit	>25KHz or >two-thirds of the 20 dB bandwidth

10.2 Test Setup



10.3 Test Procedure

The EUT must have its hopping function enabled. Using the following spectrum analyzer settings:

1. Span= Wide enough to capture the peaks of two adjacent channels
2. Set the RBW = 300 kHz.
3. Set the VBW = 1000 kHz.
4. Sweep time = auto couple.
5. Detector function = peak.
6. Trace mode = max hold.
7. Allow trace to fully stabilize.

10.4 Test Data

Please see the attachment for data.



11 Number of Hopping Channel Test

11.1 Test Standard and Limit

Test Standard	FCC Part15 C Section 15.247 (a)(1)
Test Limit	>15 channels

11.2 Test Setup



11.3 Test Procedure

The EUT must have its hopping function enabled. Using the following spectrum analyzer setting:

1. Span= the frequency band of operation
2. Set the RBW = 100kHz.
3. Set the VBW = 300kHz.
4. Sweep time = auto couple.
5. Detector function = peak.
6. Trace mode = max hold.
7. Allow trace to fully stabilize.

11.4 Test Data

Please see the attachment for data.



12 Dwell Time Test

12.1 Test Standard and Limit

Test Standard	FCC Part15 C Section 15.247 (a)(1)
Test Limit	0.4 sec

12.2 Test Setup



12.3 Test Procedure

The EUT must have its hopping function enabled. Use the following spectrum analyzer settings:

1. Span= zero span, centered on a hopping channel
2. Set the RBW = 1 MHz.
3. Set the VBW = 1 MHz.
4. Sweep time = as necessary to capture the entire dwell time per hopping channel.
5. Detector function = peak.
6. Trace mode = clear write.
7. Allow trace to fully stabilize.

12.4 Test Data

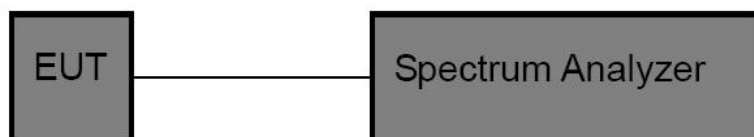
Please see the attachment for data.

13 100kHz Bandwidth of Frequency Band Edge Requirement

13.1 Test Standard and Limit

Test Standard	FCC Part15 C Section 15.247 (d)
Test Limit	in any 100 kHz bandwidth outside the frequency bands in which the spread spectrum intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20dB below that in the 100kHz bandwidth within the band that contains the highest level of the desired power, 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).

13.2 Test Setup



13.3 Test Procedure

The EUT must have its hopping/Non-hopping function enabled. Using the following spectrum analyzer setting:

1. Set the RBW = 100kHz.
2. Set the VBW = 300kHz.
3. Sweep time = auto couple.
4. Detector function = peak.
5. Trace mode = max hold.
6. Allow trace to fully stabilize.

13.4 Test Data

Please see the attachment for data.

14 Antenna Requirement

14.1 Test Standard and Requirement

Test Standard	FCC Part15 Section 15.203 /247(b)
Requirement	1) 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. 2) 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.

14.2 Antenna Connected Construction

The antenna is chip Antenna which permanently attached, and the best case gain of the antenna is 2.78 dBi. It complies with the standard requirement.



15 TEST SETUP & EUT PHOTOGRAPH

Please see the attachment for details.

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