TEST REPORT

Report No.:	TWN2511697-01E
Applicant:	Eastern Times Technology Co.,Ltd
Product:	WIRELESS GAMING HEADSET
Model No.:	H889, H889WG, ET-9208
Trademark:	REDRAGON
Test Standards:	FCC Part 15.249
Test result:	It is herewith confirmed and found to comply with the requirements set up by ANSI C63.10 &FCC Part 15 Subpart C, Paragraph 15.249 regulations for the evaluation of electromagnetic compatibility

Approved By

Terry Tang

Terry Tang

Manager

Dated: December 03, 2025

Results appearing herein relate only to the sample tested
The technical reports is issued errors and omissions exempt and is subject to withdrawal at

SHENZHEN TIMEWAY TESTING LABORATORIES

Zone C, 1st Floor, Block B, Jun Xiang Da Building, Zhongshan Park Road West, Tong Le Village, Nanshan District, Shenzhen, China
Tel (755) 83448688, Fax (755) 83442996, E-Mail:info@timeway-lab.com

Special Statement:

FCC-Registration No.: 744189

The 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. Registration No.: 744189.

ISED —Registration No.:5205A

The EMC Laboratory has been registered by Certification and Engineering Bureau of ISED for radio equipment testing with Registration No.: 5205A.

A2LA (Certification Number:5013.01)

The EMC Laboratory has been accredited by the American Association for Laboratory Accreditation (A2LA). Certification Number:5013.01

CAB identifier: CN0033

FCC Designation Number: CN1251

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Test Report Conclusion

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1.0 General Details

1.1 Test Lab Details

Name: SHENZHEN TIMEWAY TESTING LABORATORIES.
Address: Zone C, 1st Floor, Block B, Jun Xiang Da Building, Zhongshan Park Road West, Tong Le Village, Nanshan District, Shenzhen, China
Telephone: (755) 83448688
Fax: (755) 83442996
Site on File with the Federal Communications Commission – United States
Registration Number: 744189
For 3m Anechoic Chamber

1.2 Applicant Details

Applicant: Eastern Times Technology Co.,Ltd
Address: Building D, Nan An Industrial Area, Youganpu Village, Fenggang Town, Dongguan City, Guangdong, China.

1.3 Description of EUT

Product:	WIRELESS GAMING HEADSET
Manufacturer:	Eastern Times Technology Co.,Ltd
Address:	Building D, Nan An Industrial Area, Youganpu Village, Fenggang Town, Dongguan City, Guangdong, China.
Trademark:	REDRAGON
Additional Trademark:	N/A
Model Number:	H889
Additional Model Name	H889WG, ET-9208
Hardware Version:	GP110-NO.1-2.4G-RX_Ver1.2
Software Version:	GP110-2.4G_(H889)_1C82-7925709D
Serial No.:	RDM7222022042500001
Rating:	DC5V, 375mA
Battery:	DC3.7V, 750mAh Li-ion battery
Modulation Type:	GFSK, Л/4DQPSK
Operation Frequency:	2402-2480MHz
Channel Separate:	1MHz
Channel Number:	79
Antenna Designation	Chip antenna with gain 1.24dBi Max (Get from the antenna specification)

1.4 Submitted Sample: 2 Samples

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1.5 Test Duration

2025-11-21 to 2025-12-03

1.6 Test Uncertainty

Conducted Emissions Uncertainty =3.6dB

Radiated Emissions below 1GHz Uncertainty =4.7dB

Radiated Emissions above 1GHz Uncertainty =6.0dB

Conducted Power Uncertainty =6.0dB

Occupied Channel Bandwidth Uncertainty =5%

Conducted Emissions Uncertainty =3.6dB

Note: The measurement uncertainty is for coverage factor of k=2 and a level of confidence of 95%.

1.7 Test Engineer

The sample tested by _____

Print Name: Terry Tang

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2.0 Test Equipment					
Instrument Type	Manufacturer	Model	Serial No.	Date of Cal.	Due Date
ESPI Test Receiver	R&S	ESPI 3	100379	2025-07-11	2026-07-10
LISN	R&S	EZH3-Z5	100294	2025-07-11	2026-07-10
LISN	R&S	EZH3-Z5	100253	2025-07-11	2026-07-10
Impuls-Begrenzer	R&S	ESH3-Z2	100281	2025-07-11	2026-07-10
Loop Antenna	EMCO	6507	00078608	2025-07-17	2028-07-16
Spectrum	R&S	FSIQ26	100292	2025-07-11	2026-07-10
Horn Antenna	A-INFO	LB-180400-KF	J211060660	2025-07-17	2028-07-16
Horn Antenna	R&S	BBHA 9120D	9120D-631	2025-07-17	2028-07-16
Power meter	Anritsu	ML2487A	6K00003613	2025-07-11	2026-07-10
Power sensor	Anritsu	MA2491A	32263	2025-07-11	2026-07-10
Bilog Antenna	Schwarebeck	VULB9163	9163/340	2025-07-17	2028-07-16
9*6*6 Anechoic	--	--	N/A	2025-07-11	2028-07-10
EMI Test Receiver	RS	ESCS 30	834115/006	2025-07-11	2026-07-10
Spectrum	HP/Agilent	E4407B	MY50441392	2025-07-11	2026-07-10
Spectrum	RS	FSP	1164.4391.38	2025-07-11	2026-07-10
RF Cable	Zhengdi	ZT26-NJ-NJ-8M/FA	--	2025-07-11	2026-07-10
RF Cable	Zhengdi	7m	--	2025-07-11	2026-07-10
Pre-Amplifier	Schwarebeck	BBV9743	#218	2025-07-11	2026-07-10
Pre-Amplifier	HP/Agilent	8449B	3008A00160	2025-07-11	2026-07-10
LISN	SCHAFFNER	NNB42	00012	2025-07-11	2026-07-10
LISN	R&S	EZH3-Z5	100294	2025-07-11	2026-07-10

2.2 Automation Test Software

For Conducted Emission Test

Name	Version
EZ-EMC	Ver.EMC-CON 3A1.1

For Radiated Emissions

Name	Version
EMI Test Software BL410-EV18.91	V18.905
EMI Test Software BL410-EV18.806 High Frequency	V18.06

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3.0 Technical Details

3.1 Summary of test results

The EUT has been tested according to the following specifications:

Standard	Test Type	Result	Notes
FCC Part 15, Paragraph 15.203	Antenna Requirement	Pass	Complies
FCC Part 15, Paragraph 15.207	Conducted Emission Test	Pass	Complies
FCC Part 15 Subpart C Paragraph 15.249(a) & 15.249(b) Limit	Field Strength of Fundamental	Pass	Complies
FCC Part 15, Paragraph 15.209	Radiated Emission Test	Pass	Complies
FCC Part 15 Subpart C Paragraph 15.249(d) Limit	Band Edge Test	Pass	Complies

3.2 Test Standards

FCC Part 15 Subpart C, Paragraph 15.249 , ANSIC63.10-2020+Cor 1-2023+C63.10a-2024 + Errata to C63.10a-2024

4.0 EUT Modification

No modification by SHENZHEN TIMEWAY TESTING LABORATORIES

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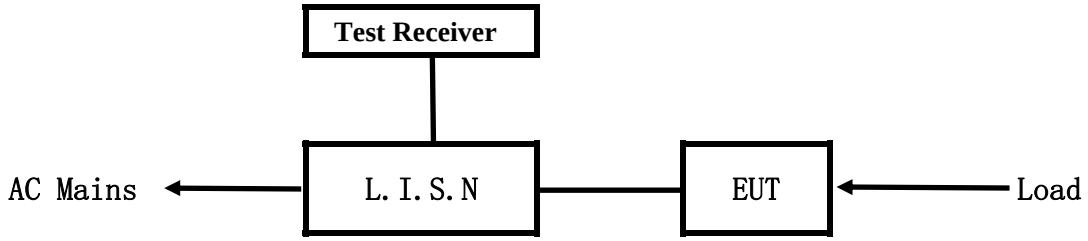
5. Power Line Conducted Emission Test

5.1 Schematics of the test



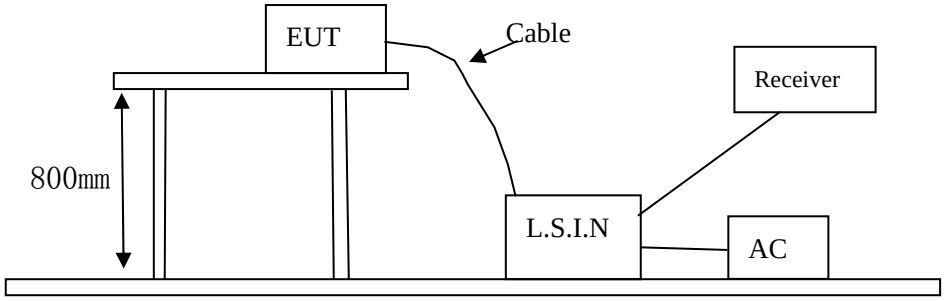
EUT: Equipment Under Test

5.2 Test Method and test Procedure

The EUT was tested according to ANSIC63.10-2020+Cor 1-2023+C63.10a-2024 + Errata to C63.10a-2024.The Frequency spectrum from 0.15MHz to 30MHz was investigated. The LISN used was 50ohm/50uH as specified by section 5.1 of ANSIC63.10-2020+Cor 1-2023+C63.10a-2024 + Errata to C63.10a-2024.

Test Voltage: 120V~, 60Hz

Block diagram of Test setup



5.3 Configuration of the EUT

The EUT was configured according to ANSIC63.10-2020+Cor 1-2023+C63.10a-2024 + Errata to C63.10a-2024. All interface ports were connected to the appropriate peripherals. All peripherals and cables are listed below.

79 channels are provided to the EUT

A. EUT

Device	Manufacturer	Model	FCC ID
WIRELESS GAMING HEADSET	Eastern Times Technology Co.,Ltd	H889, H889WG, ET-9208	TUVET-9208

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B. Internal Device

Device	Manufacturer	Model	FCC ID/DOC
N/A			

C. Peripherals

Device	Manufacturer	Model	Rating
Power Supply	Xiaomi	CDQ02ZM	Input: 100-240V~, 50/60Hz, 1.2A; Output: DC5V, 3A; DC9V, 3A; DC12V, 3A; DC15V, 3A; DC20V, 2.25A;

5.4 EUT Operating Condition

Operating condition is according to ANSIC63.10-2020+Cor 1-2023+C63.10a-2024 + Errata to C63.10a-2024

A Setup the EUT and simulators as shown on follow

B Enable AF signal and confirm EUT active to normal condition

5.5 Power line conducted Emission Limit according to Paragraph 15.207

Frequency (MHz)	Limits (dB μ V)	
	Quasi-peak Level	Average Level
0.15 ～ 0.50	66.0～56.0*	56.0～46.0*
0.50 ～ 5.00	56.0	46.0
5.00 ～ 30.00	60.0	50.0

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

5.6 Test Results:

Pass

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A: Conducted Emission on Live Terminal (150kHz to 30MHz)

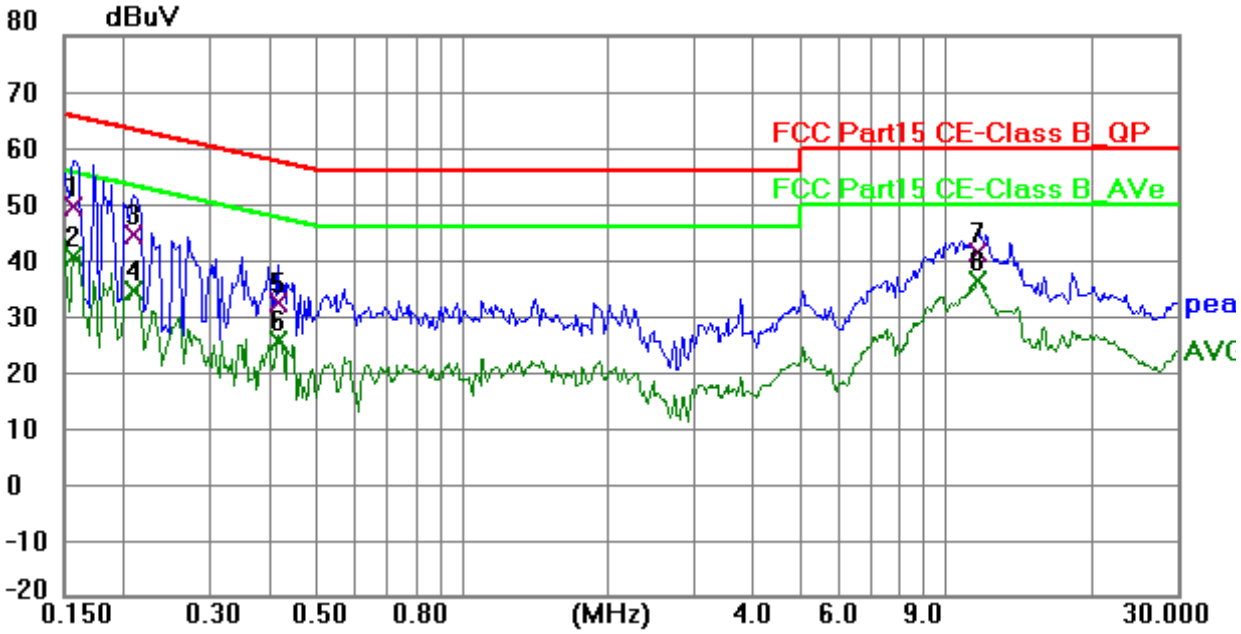
EUT Operating Environment

Temperature: 25℃ Humidity: 65%RH Atmospheric Pressure: 101 kPa

EUT set Condition: Charging and Communication by BT

Results: Pass

Please refer to following diagram for individual



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector	P/F
1	0.1578	39.45	10.15	49.60	65.58	-15.98	QP	P
2	0.1578	30.25	10.15	40.40	55.58	-15.18	AVG	P
3	0.2085	34.26	10.13	44.39	63.26	-18.87	QP	P
4	0.2085	24.24	10.13	34.37	53.26	-18.89	AVG	P
5	0.4152	22.03	10.31	32.34	57.54	-25.20	QP	P
6	0.4152	15.37	10.31	25.68	47.54	-21.86	AVG	P
7	11.5995	30.90	10.39	41.29	60.00	-18.71	QP	P
8	11.5995	25.79	10.39	36.18	50.00	-13.82	AVG	P

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B: Conducted Emission on Neutral Terminal (150kHz to 30MHz)

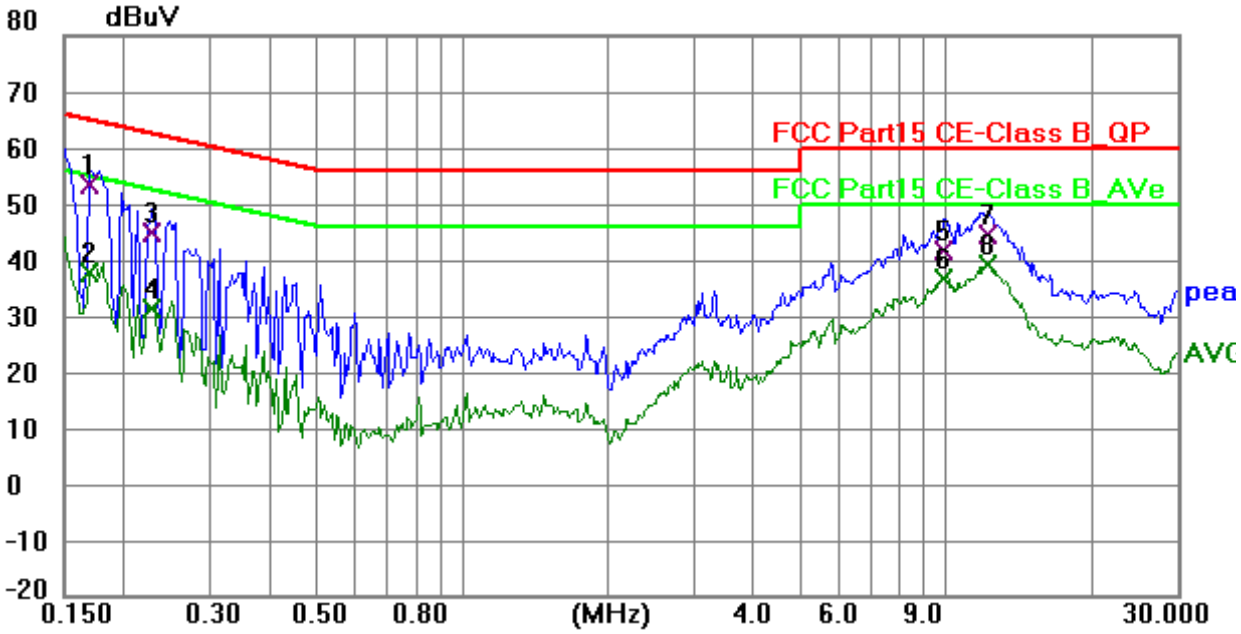
EUT Operating Environment

Temperature: 25℃ Humidity: 65%RH Atmospheric Pressure: 101 kPa

EUT set Condition: Charging and Communication by BT

Results: Pass

Please refer to following diagram for individual



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector	P/F
1	0.1695	43.36	10.14	53.50	64.98	-11.48	QP	P
2	0.1695	27.63	10.14	37.77	54.98	-17.21	AVG	P
3	0.2280	34.76	10.14	44.90	62.52	-17.62	QP	P
4	0.2280	21.17	10.14	31.31	52.52	-21.21	AVG	P
5	9.8835	31.40	10.36	41.76	60.00	-18.24	QP	P
6	9.8835	26.41	10.36	36.77	50.00	-13.23	AVG	P
7	12.2508	34.24	10.39	44.63	60.00	-15.37	QP	P
8	12.2508	28.64	10.39	39.03	50.00	-10.97	AVG	P

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6 Radiated Emission Test

6.1 Test Method and test Procedure:

(1) The EUT was tested according to ANSIC63.10-2020+Cor 1-2023+C63.10a-2024 + Errata to C63.10a-2024. The radiated test was performed at Timeway EMC Laboratory. This site is on file with the FCC laboratory division, Registration No. 744189

(2) The EUT, peripherals were put on the turntable which table size is 1m x 1.5 m, table high 0.8 m. All set up is according to ANSIC63.10-2020+Cor 1-2023+C63.10a-2024 + Errata to C63.10a-2024.

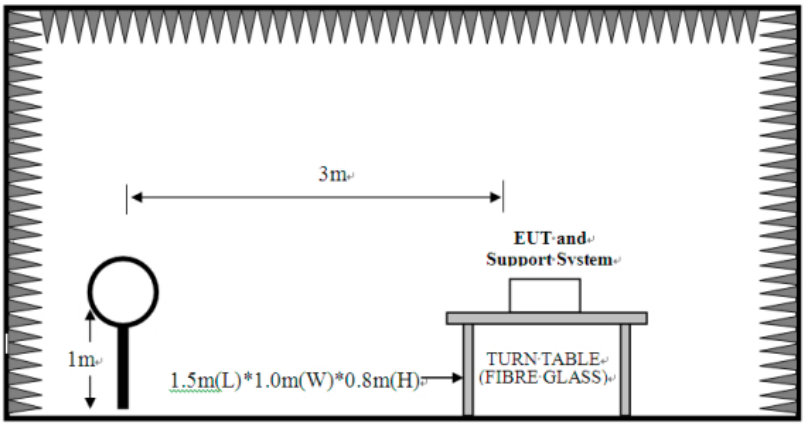
(3) The frequency spectrum from 30 MHz to 25 GHz was investigated. All readings from 30 MHz to 1 GHz are quasi-peak values with a resolution bandwidth of 120 kHz. All readings are above 1 GHz, peak values with a resolution bandwidth of 1 MHz (Note: for Fundamental frequency radiated emission measurement, RBW=3MHz, VBW=10MHz). Measurements were made at 3 meters.

(4) The antenna high is varied from 1 m to 4 m high to find the maximum emission for each frequency.

(5) The antenna polarization: Vertical polarization and Horizontal polarization.

Block diagram of Test setup

For radiated emissions from 9kHz to 30MHz



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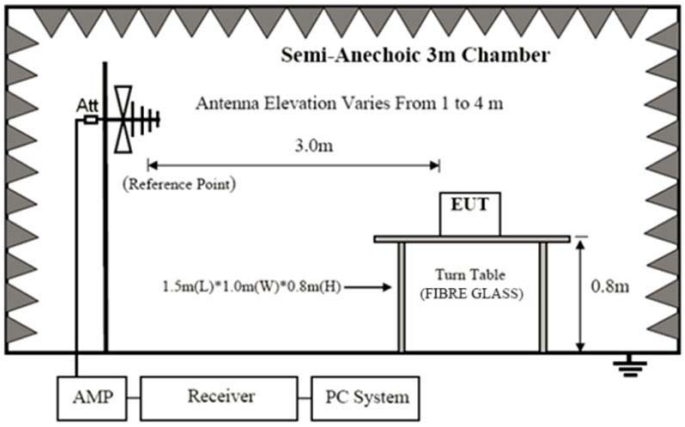
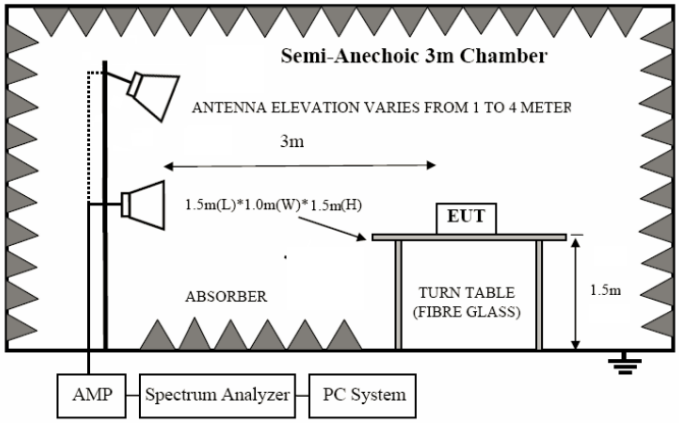
For radiated emissions from 30MHz to1GHz



For radiated emissions above 1GHz



6.2 Configuration of The EUT

Same as section 5.3 of this report

6.3 EUT Operating Condition

Same as section 5.4 of this report.

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6.4 Radiated Emission Limit

All emission from a digital device, including any network of conductors and apparatus connected thereto, shall not exceed the level of field strength specified below:

Emissions radiated outside of the specified frequency bands, except for harmonics, shall be attenuated by at least 50 dB below the level of the fundamental or to the general radiated emission limits in § 15.209, whichever is the lesser attenuation.

A FCC Part 15 Subpart C Paragraph 15.249(a) Limit

Fundamental Frequency (MHz)	Field Strength of Fundamental (3m)			Field Strength of Harmonics (3m)		
	mV/m	**dBuV/m**		**uV/m**	**dBuV/m**	
2400-2483.5	50	94 (Average)	114 (Peak)	500	54 (Average)	74 (Peak)

Note: 1. RF Field Strength (dBuV) = 20 log RF Voltage (uV)

2.Distance refers to the distance in meters between the measuring instrument antenna and the closed point of any part of the device or system.

3. The emission limit in this paragraph is based on measurement instrumentation employing an average detector.

B. Frequencies in restricted band are complied to limit on Paragraph 15.209.

Frequency Range (MHz)	Distance (m)	Field strength (dB μ V/m)
0.009-0.490	3	20log(2400/F(kHz)) +40log (300/3)
0.490-1.705	3	20log(24000/F(kHz)) +40log (30/3)
1.705-30	3	69.5
30-88	3	40.0
88-216	3	43.5
216-960	3	46.0
Above 960	3	54.0

Note: 1. RF Voltage (dBuV) = 20 log RF Voltage (uV)

2. In the Above Table, the tighter limit applies at the band edges.

3. Distance refers to the distance in meters between the measuring instrument antenna and the EUT

4. All scanning using PK detector. And the final emission level was get using QP detector for frequency range from 30-1000MHz.As to 1G-25G, the final emission level got using PK. For fundamental measurement, PK detector used.

5. The two modulation modes of GFSK and Pi/4D-QPSK were tested. And only the worst case was recorded in the test report. GFSK was the worst case.

6. Battery full charged was used during tests

7. For the radiated emissions from 30MHz-1000MHz, only the worst case was recorded and the middle channel (2441MHz) was the worst case.

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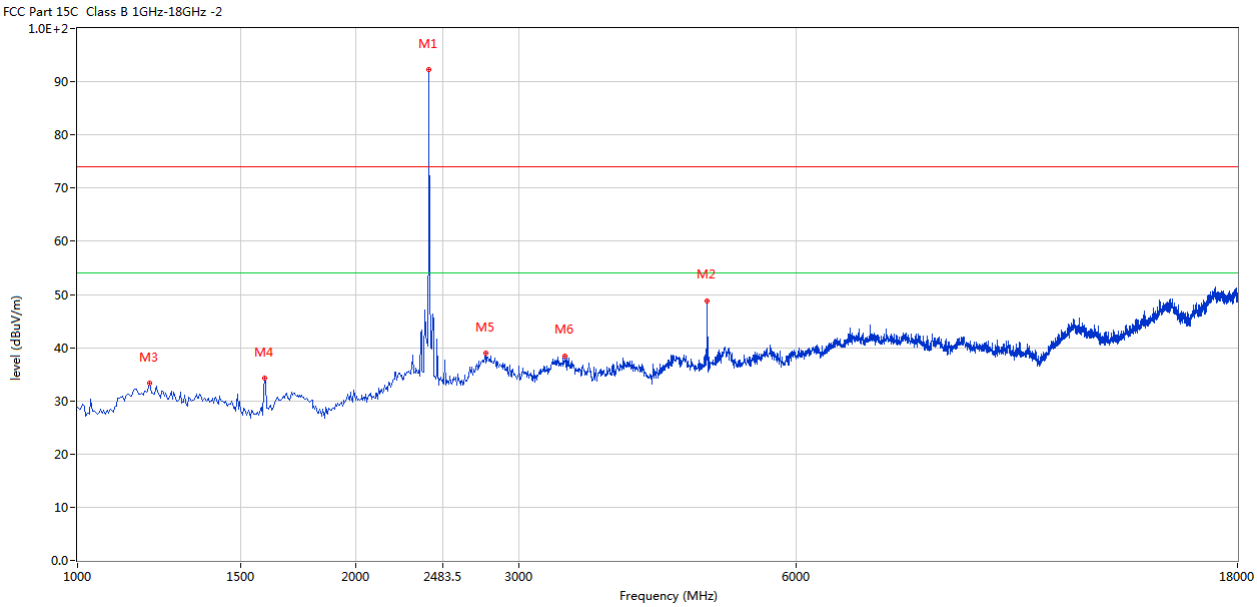
6.5 Test result

A Fundamental & Harmonics Radiated Emission Data

Please refer to the following test plots for details: Low Channel-2402MHz

Horizontal



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1	2402	92.19	-3.57	114.0	-21.81	Peak	69.00	100	Horizontal	Pass
2	4803.750	48.83	3.13	74.0	-25.17	Peak	259.00	100	Horizontal	Pass
3	1195.500	33.26	-8.96	74.0	-40.74	Peak	312.00	100	Horizontal	Pass
4	1595.000	34.21	-7.98	74.0	-39.79	Peak	137.00	100	Horizontal	Pass
5	2763.750	39.00	-2.79	74.0	-35.00	Peak	27.00	100	Horizontal	Pass
6	3371.500	38.37	-1.88	74.0	-35.63	Peak	45.00	100	Horizontal	Pass

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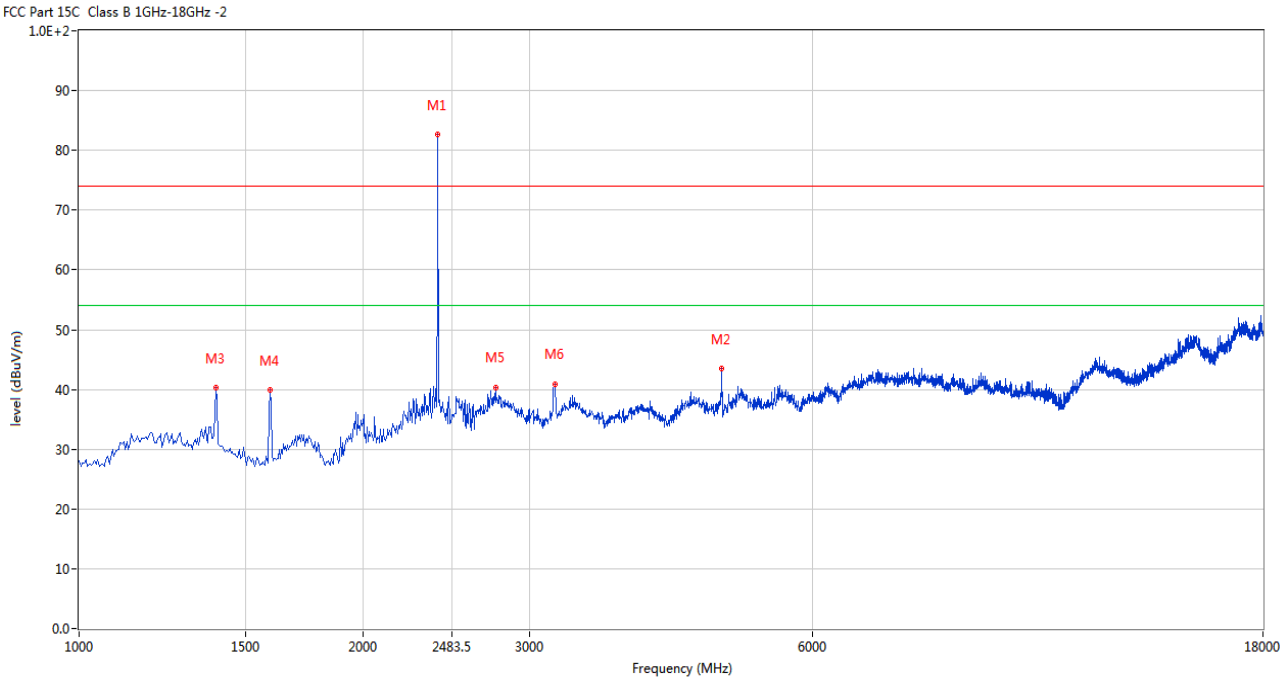
Vertical



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1	2402	82.66	-3.57	114.0	-31.34	Peak	166.00	100	Vertical	Pass
2	4803.750	43.47	3.13	74.0	-30.53	Peak	253.00	100	Vertical	Pass
3	1395.250	40.28	-8.17	74.0	-33.72	Peak	325.00	100	Vertical	Pass
4	1595.000	40.01	-7.98	74.0	-33.99	Peak	145.00	100	Vertical	Pass
5	2763.750	40.39	-2.79	74.0	-33.61	Peak	264.00	100	Vertical	Pass
6	3197.250	40.90	-1.98	74.0	-33.10	Peak	73.00	100	Vertical	Pass

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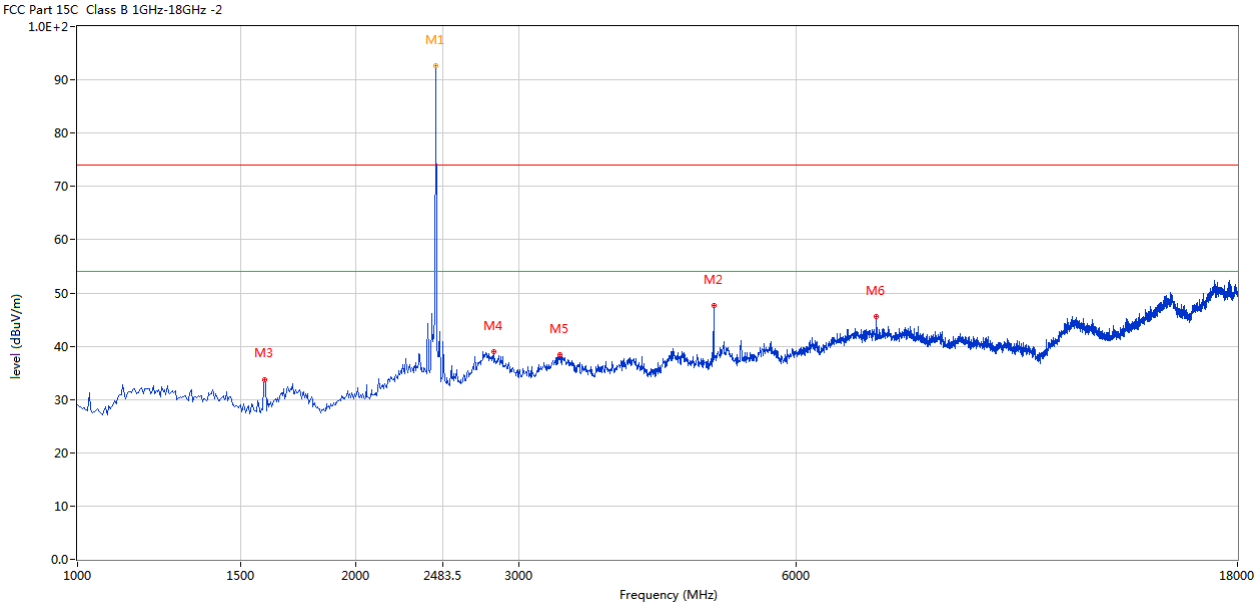
Please refer to the following test plots for details: Middle Channel-2441MHz

Horizontal



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1	2441	92.74	-3.57	114.0	-21.26	Peak	72.00	100	Horizontal	Pass
2	4880.250	47.59	3.20	74.0	-26.41	Peak	157.00	100	Horizontal	Pass
3	1595.000	33.78	-7.98	74.0	-40.22	Peak	8.00	100	Horizontal	Pass
4	2819.000	38.92	-2.69	74.0	-35.08	Peak	125.00	100	Horizontal	Pass
5	3329.000	38.38	-2.02	74.0	-35.62	Peak	88.00	100	Horizontal	Pass
6	7324.000	45.52	8.13	74.0	-28.48	Peak	53.00	100	Horizontal	Pass

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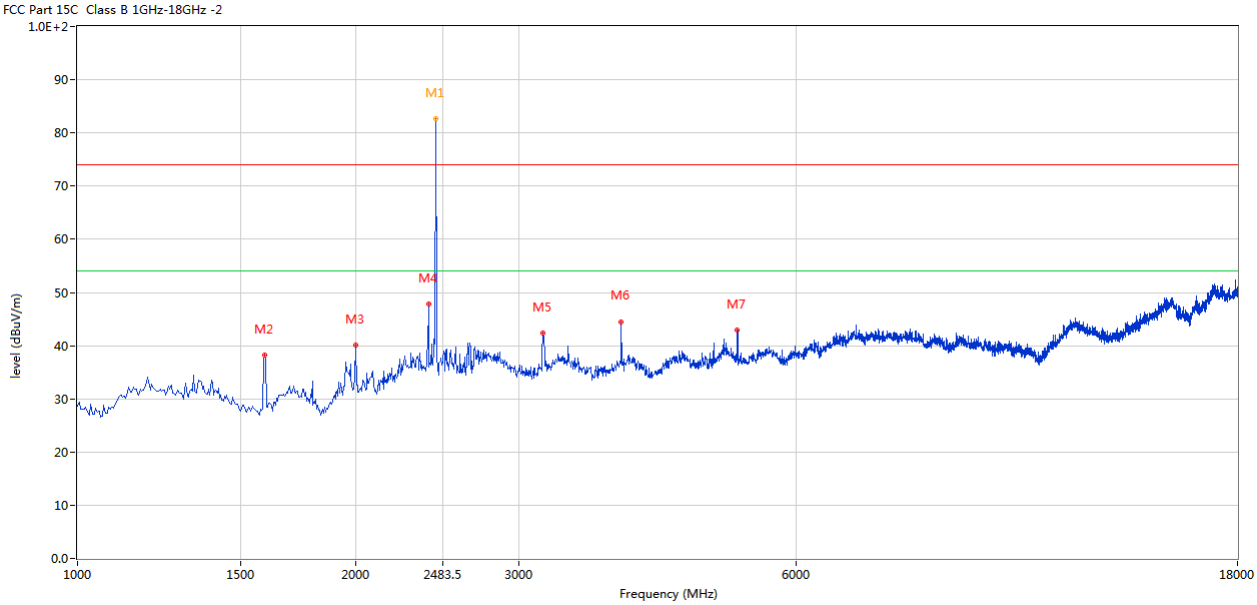
Vertical



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1	2441	82.59	-3.57	114.0	-31.41	Peak	260.00	100	Vertical	Pass
2	1595.000	38.15	-7.98	74.0	-35.85	Peak	254.00	100	Vertical	Pass
3	1998.750	40.03	-5.12	74.0	-33.97	Peak	98.00	100	Vertical	Pass
4	2398.250	47.74	-3.56	74.0	-26.26	Peak	111.00	100	Vertical	Pass
5	3188.750	42.36	-2.00	74.0	-31.64	Peak	72.00	100	Vertical	Pass
6	3877.250	44.49	0.70	74.0	-29.51	Peak	16.00	100	Vertical	Pass
7	5173.500	42.88	3.69	74.0	-31.12	Peak	270.00	100	Vertical	Pass

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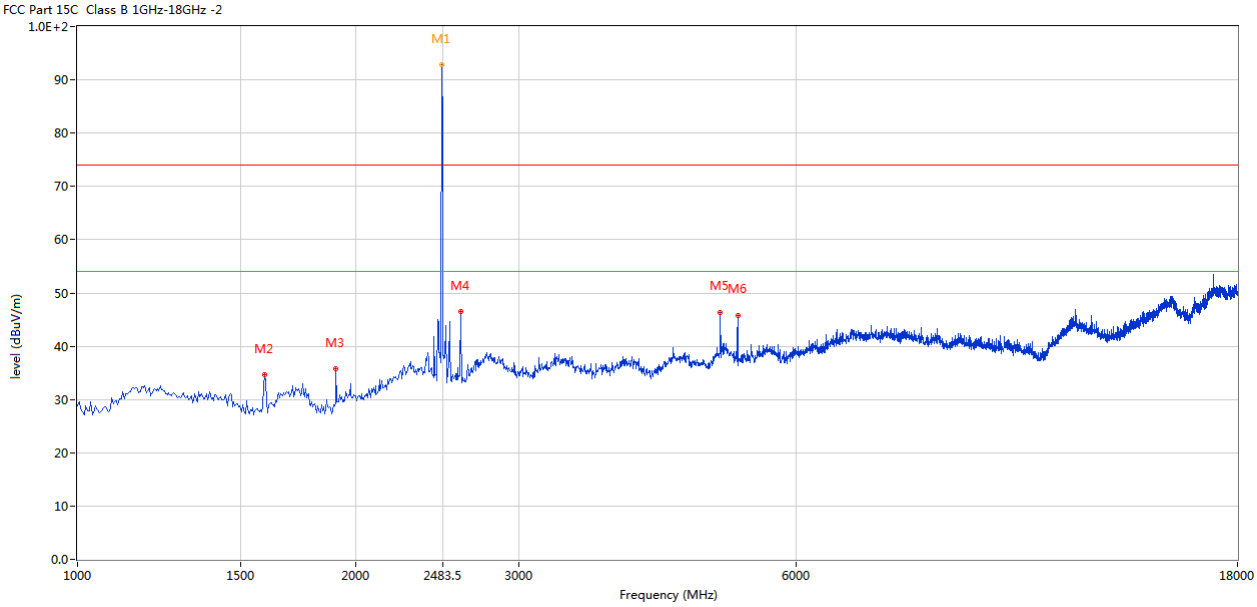
Please refer to the following test plots for details: High Channel-2480MHz

Horizontal



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1	2480	92.81	-3.57	114.0	-21.19	Peak	143.00	100	Horizontal	Pass
2	1595.000	34.59	-7.98	74.0	-39.41	Peak	339.00	100	Horizontal	Pass
3	1905.250	35.71	-5.87	74.0	-38.29	Peak	217.00	100	Horizontal	Pass
4	2598.000	46.61	-3.33	74.0	-27.39	Peak	128.00	100	Horizontal	Pass
5	4961.000	46.36	3.36	74.0	-27.64	Peak	61.00	100	Horizontal	Pass
6	5182.000	45.80	3.68	74.0	-28.20	Peak	318.00	100	Horizontal	Pass

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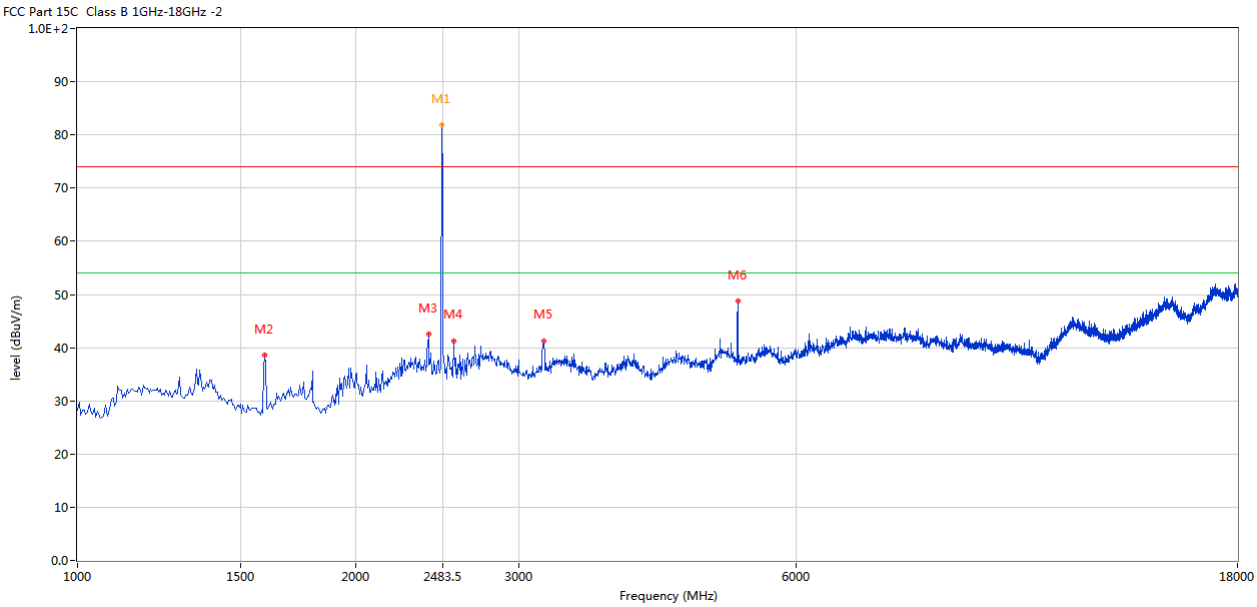
Vertical



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1	2480	81.99	-3.57	114.0	-32.01	Peak	173.00	100	Vertical	Pass
2	1595.000	38.52	-7.98	74.0	-35.48	Peak	272.00	100	Vertical	Pass
3	2398.250	42.64	-3.56	74.0	-31.36	Peak	77.00	100	Vertical	Pass
4	2551.250	41.26	-3.45	74.0	-32.74	Peak	117.00	100	Vertical	Pass
5	3197.250	41.32	-1.98	74.0	-32.68	Peak	75.00	100	Vertical	Pass
6	5182.000	48.72	3.68	74.0	-25.28	Peak	197.00	100	Vertical	Pass

Note: (2) Emission Level = Reading Level + Antenna Factor + Cable Loss-Amplifier
(3) Margin=Emission-Limits
(4) According to section 15.35(b), the peak limit is 20dB higher than the average limit
(5) For test purpose, keep EUT continuous transmitting
(5) For emission above 18GHz and Below 30MHz, It is only the floor noise. No necessary to take down.
(6) the measured PK value less than the AV limit.

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B. General Radiated Emission Data

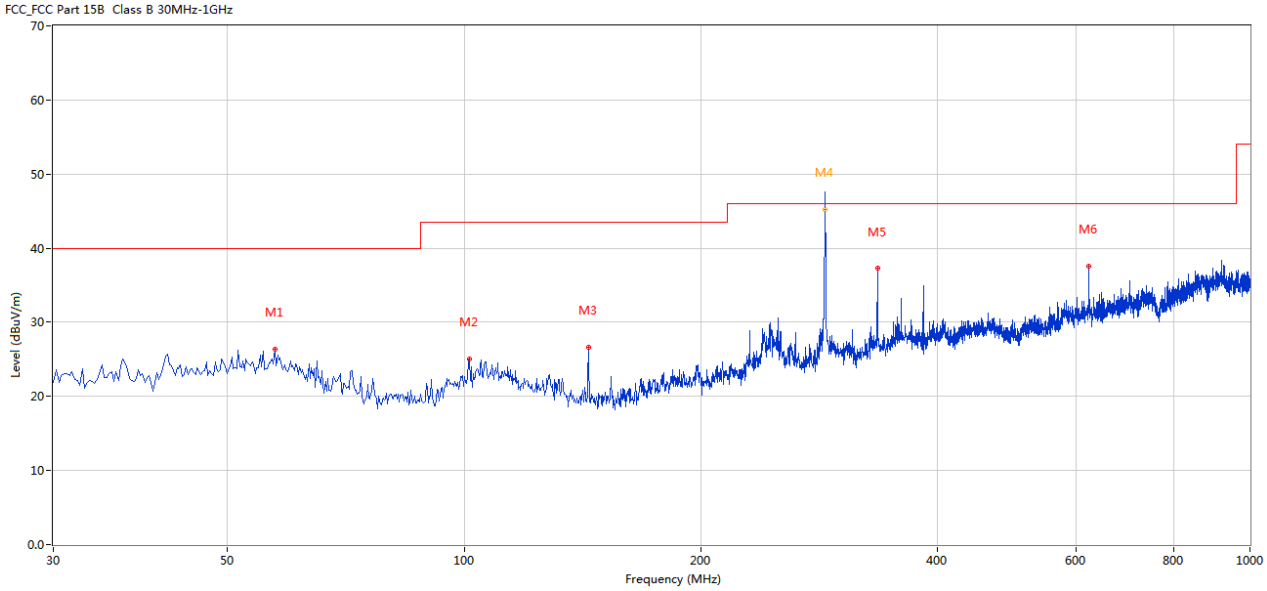
Radiated Emission In Vertical (30MHz----1000MHz)

EUT set Condition: Keep Tx transmitting

Test Channel: Middle (2441MHz)

Results: Pass

Please refer to following diagram for individual



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	57.396	26.42	-8.38	40.0	13.58	Peak	231.00	100	Horizontal	Pass
2	101.520	25.02	-9.96	43.5	18.48	Peak	59.00	100	Horizontal	Pass
3	143.947	26.61	-12.92	43.5	16.89	Peak	301.00	100	Horizontal	Pass
4*	288.198	45.23	-7.87	46.0	0.77	QP	278.00	100	Horizontal	Pass
5	335.959	37.24	-6.17	46.0	8.76	Peak	278.00	100	Horizontal	Pass
6	623.977	37.55	-1.55	46.0	8.45	Peak	17.00	100	Horizontal	Pass

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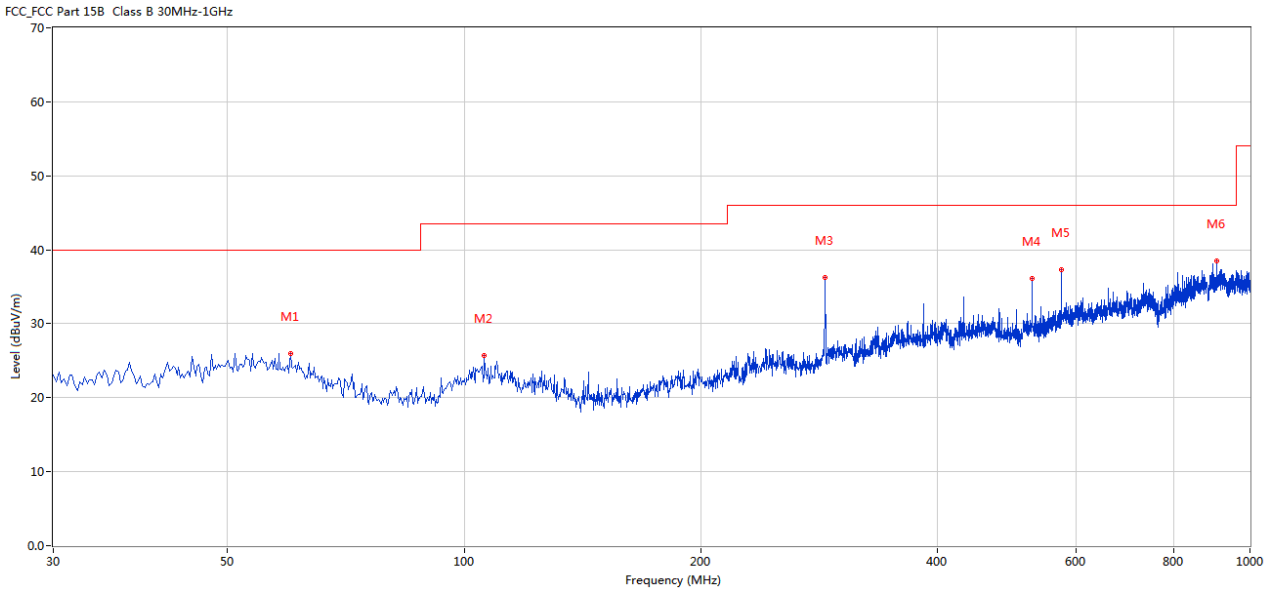
Radiated Emission In Vertical (30MHz----1000MHz)

EUT set Condition: Keep Tx transmitting

Test Channel: Middle (2441MHz)

Results: Pass

Please refer to following diagram for individual



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	60.062	26.01	-9.13	40.0	13.99	Peak	299.00	100	Vertical	Pass
2	106.126	25.67	-9.54	43.5	17.83	Peak	320.00	100	Vertical	Pass
3	288.198	36.20	-7.87	46.0	9.80	Peak	332.00	100	Vertical	Pass
4	527.971	36.11	-3.49	46.0	9.89	Peak	254.00	100	Vertical	Pass
5	575.974	37.35	-2.52	46.0	8.65	Peak	151.00	100	Vertical	Pass
6	906.661	38.47	2.54	46.0	7.53	Peak	97.00	100	Vertical	Pass

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7. Band Edge

7.1 Test Method and test Procedure:

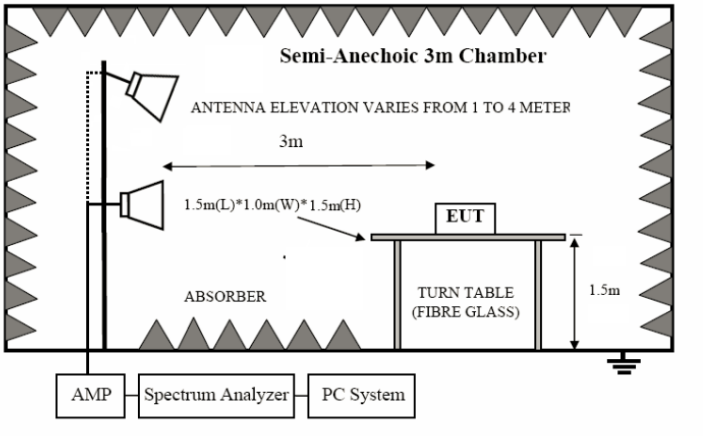
(1) The EUT was tested according to ANSIC63.10-2020+Cor 1-2023+C63.10a-2024 + Errata to C63.10a-2024. The radiated test was performed at Timeway EMC Laboratory. This site is on file with the FCC laboratory division, Registration No. 744189

(2) Set Spectrum as RBW=1MHz, VBW=3MHz and Peak detector used for PK value. RBW=1MHz, VBW=10Hz and Peak detector used for AV value.

(3) The antenna high is varied from 1 m to 4 m high to find the maximum emission for each frequency.

(4) The antenna polarization: Vertical polarization and Horizontal polarization.

7. 2 Radiated Test Setup



For the actual test configuration, please refer to the related items – Photos of Testing

7.3 Configuration of the EUT

Same as section 5.3 of this report

7.4 EUT Operating Condition

Same as section 5.4 of this report.

7.5 Band Edge Limit

Emissions radiated outside of the specified frequency bands, except for harmonics, shall be attenuated by at least 50 dB below the level of the fundamental or to the general radiated emission limits in Section 15.209, whichever is the lesser attenuation.

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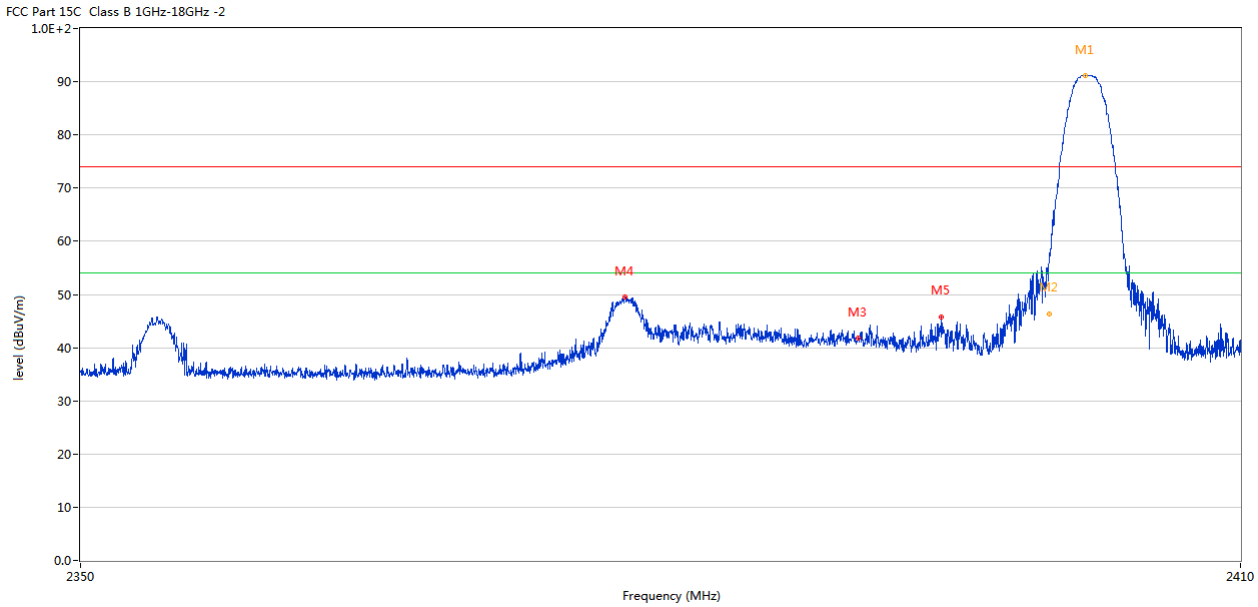
7.6 Test Result

Product:	WIRELESS GAMING HEADSET	Polarity	Horizontal
Mode	Keeping Transmitting	Test Voltage	DC3.7V
Temperature	24 deg. C,	Humidity	56% RH
Test Result:	Pass	--	--



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1	2401.885	91.21	-3.57	114.0	17.21	Peak	63.00	100	Horizontal	N/A
2	2400.010	56.37	-3.57	74.0	-17.63	Peak	301.00	100	Horizontal	Pass
2**	2400.010	46.31	-3.57	54.0	-7.69	AV	301.00	100	Horizontal	Pass
3	2390.050	41.80	-3.53	74.0	-32.20	Peak	71.00	100	Horizontal	Pass
4	2377.990	49.50	-3.49	74.0	-24.50	Peak	71.00	100	Horizontal	Pass
5	2394.400	45.84	-3.55	74.0	-28.16	Peak	61.00	100	Horizontal	Pass

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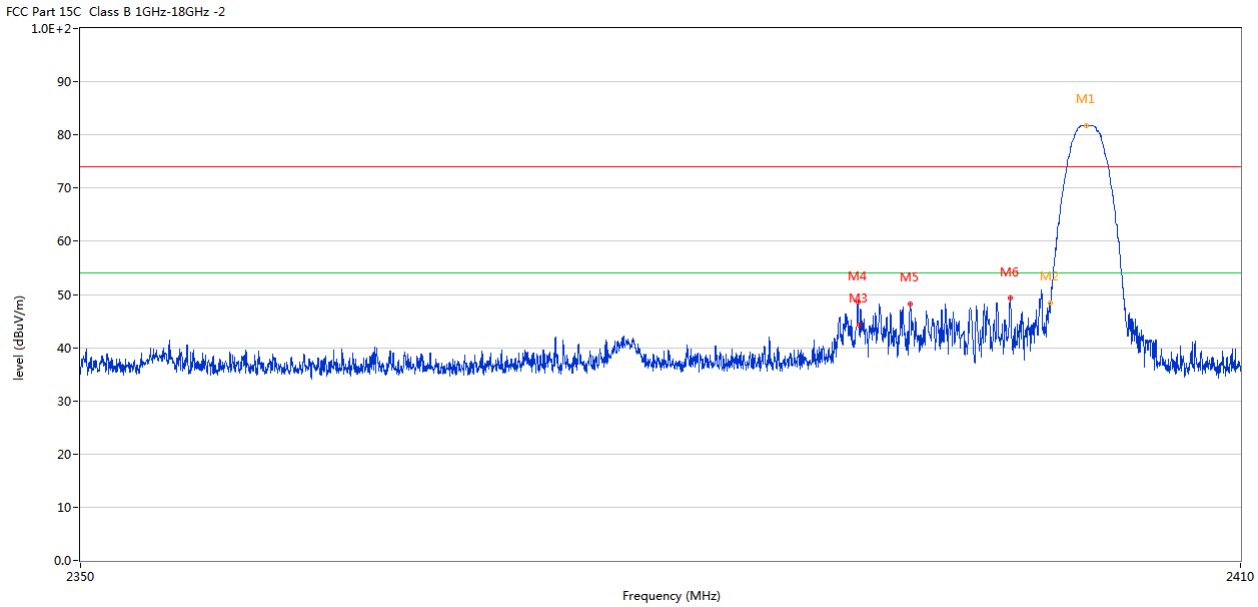
Product:	WIRELESS GAMING HEADSET	Detector	Vertical
Mode	Keeping Transmitting	Test Voltage	DC3.7V
Temperature	24 deg. C,	Humidity	56% RH
Test Result:	Pass	--	--



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1	2401.915	81.77	-3.57	74.0	7.77	Peak	174.00	100	Vertical	N/A
2	2400.085	48.37	-3.57	74.0	-25.63	Peak	171.00	100	Vertical	Pass
3	2390.095	44.20	-3.53	74.0	-29.80	Peak	119.00	100	Vertical	Pass
4	2390.050	48.56	-3.53	74.0	-25.44	Peak	106.00	100	Vertical	Pass
5	2392.765	48.29	-3.54	74.0	-25.71	Peak	113.00	100	Vertical	Pass
6	2397.970	49.26	-3.56	74.0	-24.74	Peak	111.00	100	Vertical	Pass

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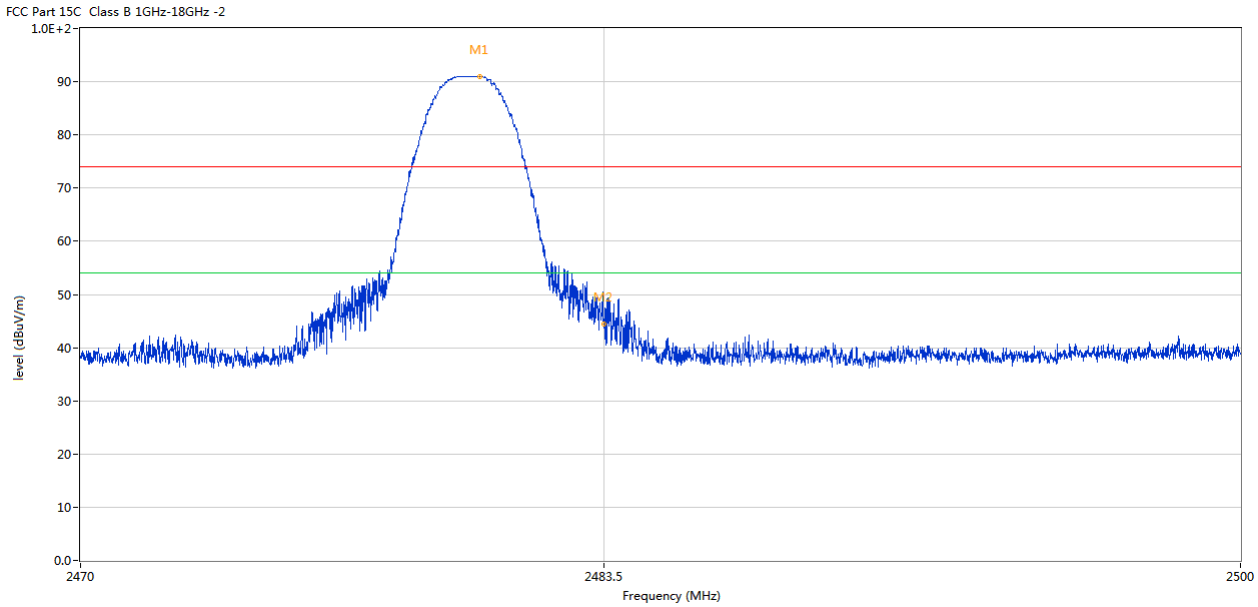
Product:	WIRELESS GAMING HEADSET	Polarity	Horizontal
Mode	Keeping Transmitting	Test Voltage	DC3.7V
Temperature	24 deg. C,	Humidity	56% RH
Test Result:	Pass	--	--



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1	2480.282	91.02	-3.57	74.0	17.02	Peak	142.00	100	Horizontal	N/A
2	2483.500	44.47	-3.57	74.0	-29.53	Peak	61.00	100	Horizontal	Pass

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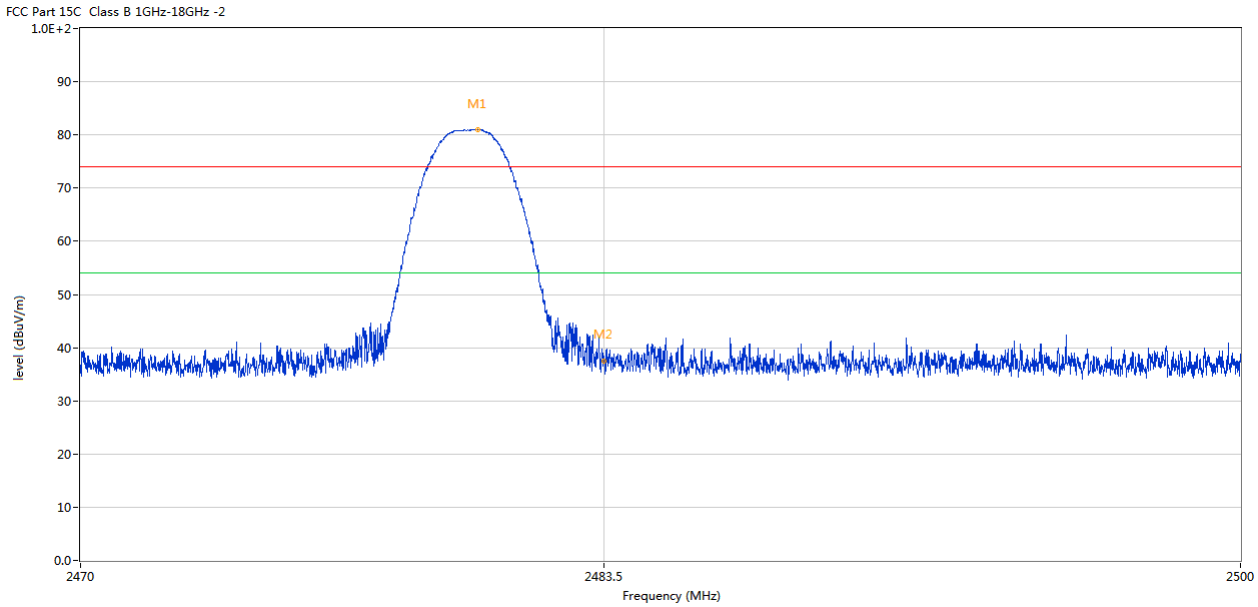
Product:	WIRELESS GAMING HEADSET	Detector	Vertical
Mode	Keeping Transmitting	Test Voltage	DC3.7V
Temperature	24 deg. C,	Humidity	56% RH
Test Result:	Pass	--	--



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1	2480.245	80.95	-3.57	74.0	6.95	Peak	149.00	100	Vertical	N/A
2	2483.500	37.50	-3.57	74.0	-36.50	Peak	71.00	100	Vertical	Pass

Note: 1. The PK emission level less than the AV limit. No necessary to record the AV emission level.

2. The two modulation modes of GFSK and Pi/4D-QPSK were tested. And only the worst case was recorded in the test report. GFSK was the worst case.

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8.0 Antenna Requirement

Applicable Standard

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 shall be considered sufficient to comply with the provisions of this section.

This product has a PCB antenna with gain 1.24dBi maximum. It fulfills the requirement of this section.

Test Result: Pass

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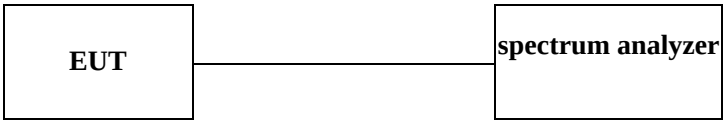
9.0 20dB Bandwidth Measurement

Test Configuration



Test Procedure

The transmitter output was connected to the spectrum analyzer through an attenuator. The bandwidth of the fundamental frequency was measured by spectrum analyzer with 30kHz RBW and 100kHz VBW.

The 20dB bandwidth is defined as the total spectrum the power of which is higher than peak power minus 20dB.

Limit

N/A

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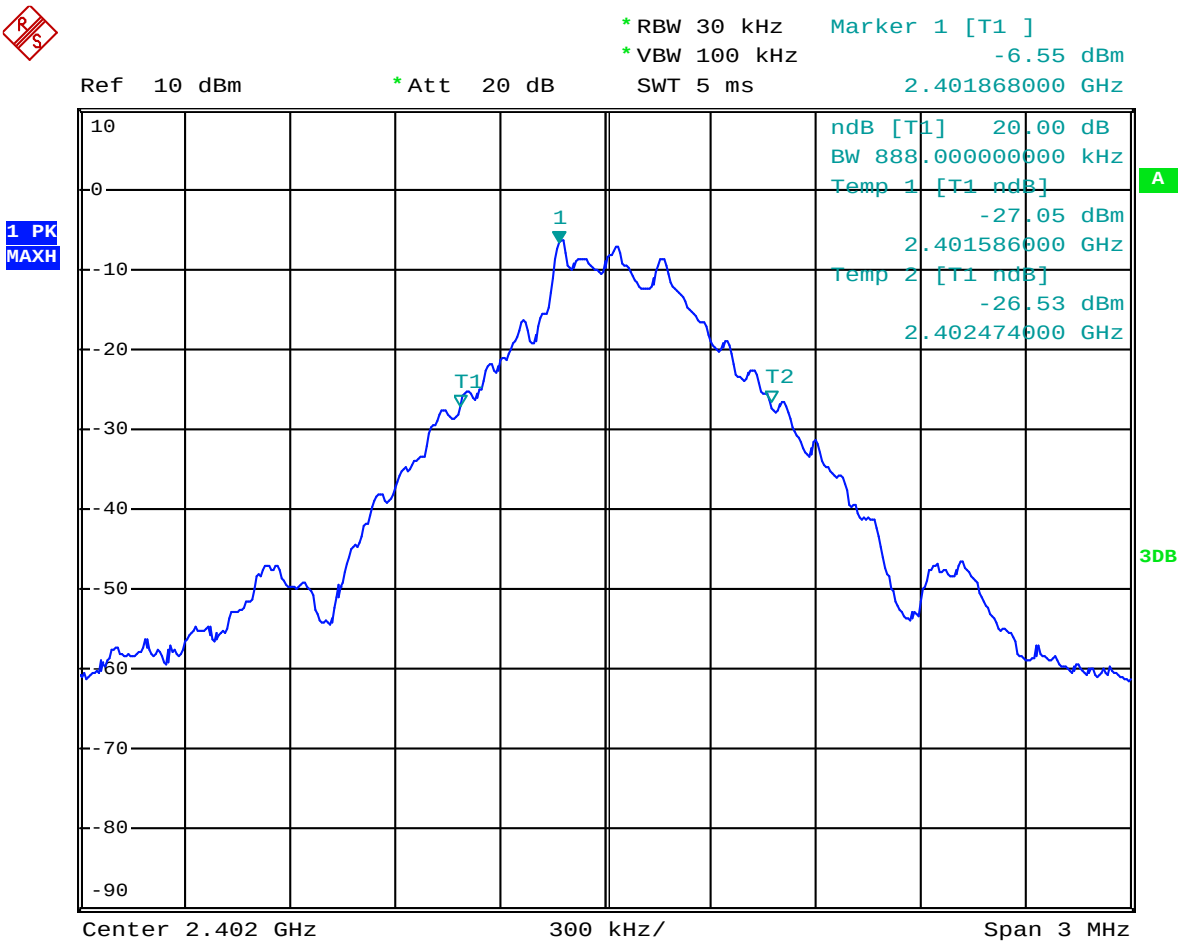
Test Result

GFSK			
Product:	WIRELESS GAMING HEADSET	Test Mode:	Keep transmitting
Mode	Keeping Transmitting	Test Voltage	DC3.7V
Temperature	24 deg. C,	Humidity	56% RH
Test Result:	Pass	Detector	PK
20dB Bandwidth	888kHz	--	--



Date: 2.DEC.2025 15:19:07

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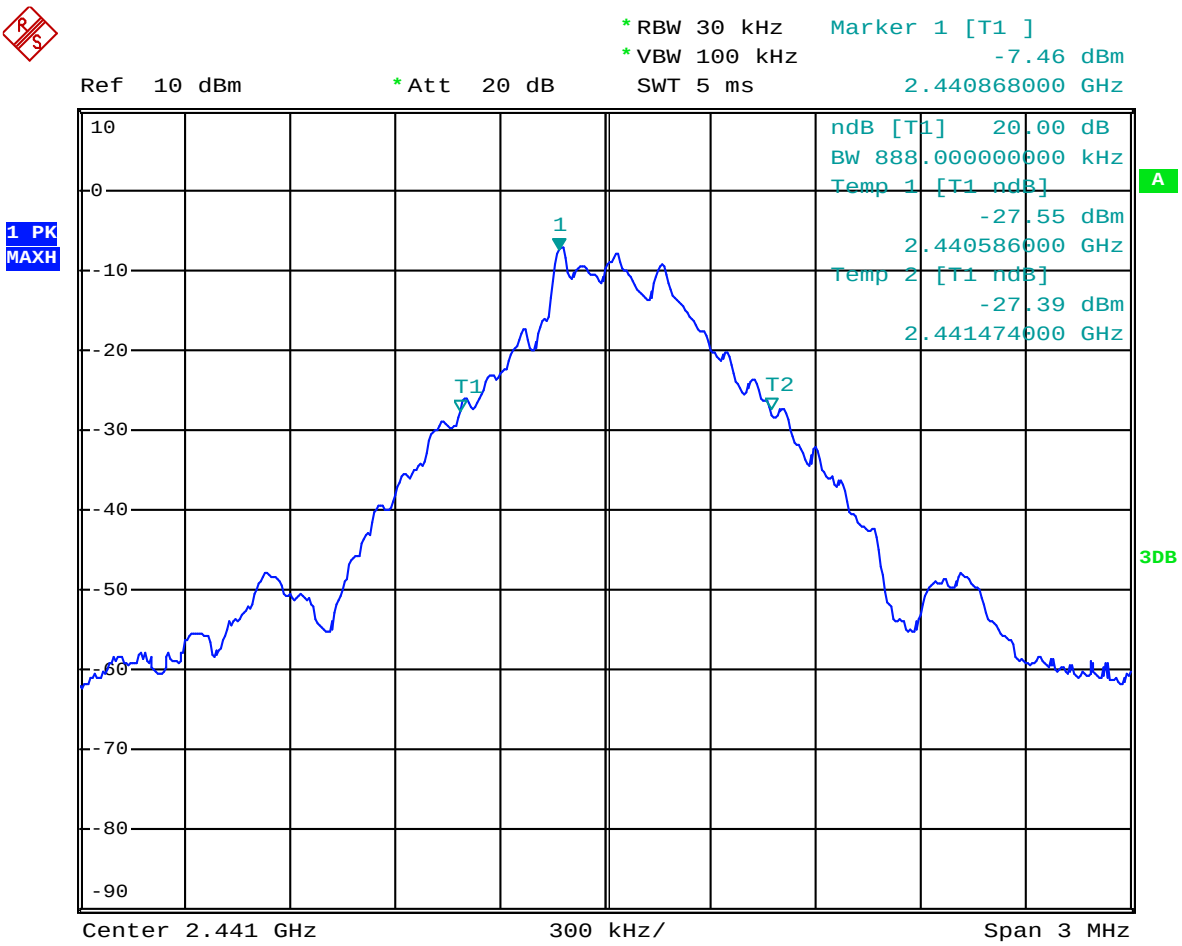
GFSK			
Product:	WIRELESS GAMING HEADSET	Test Mode:	Keep transmitting
Mode	Keeping Transmitting	Test Voltage	DC3.7V
Temperature	24 deg. C,	Humidity	56% RH
Test Result:	Pass	Detector	PK
20dB Bandwidth	888kHz	--	--



Date: 2.DEC.2025 15:23:28

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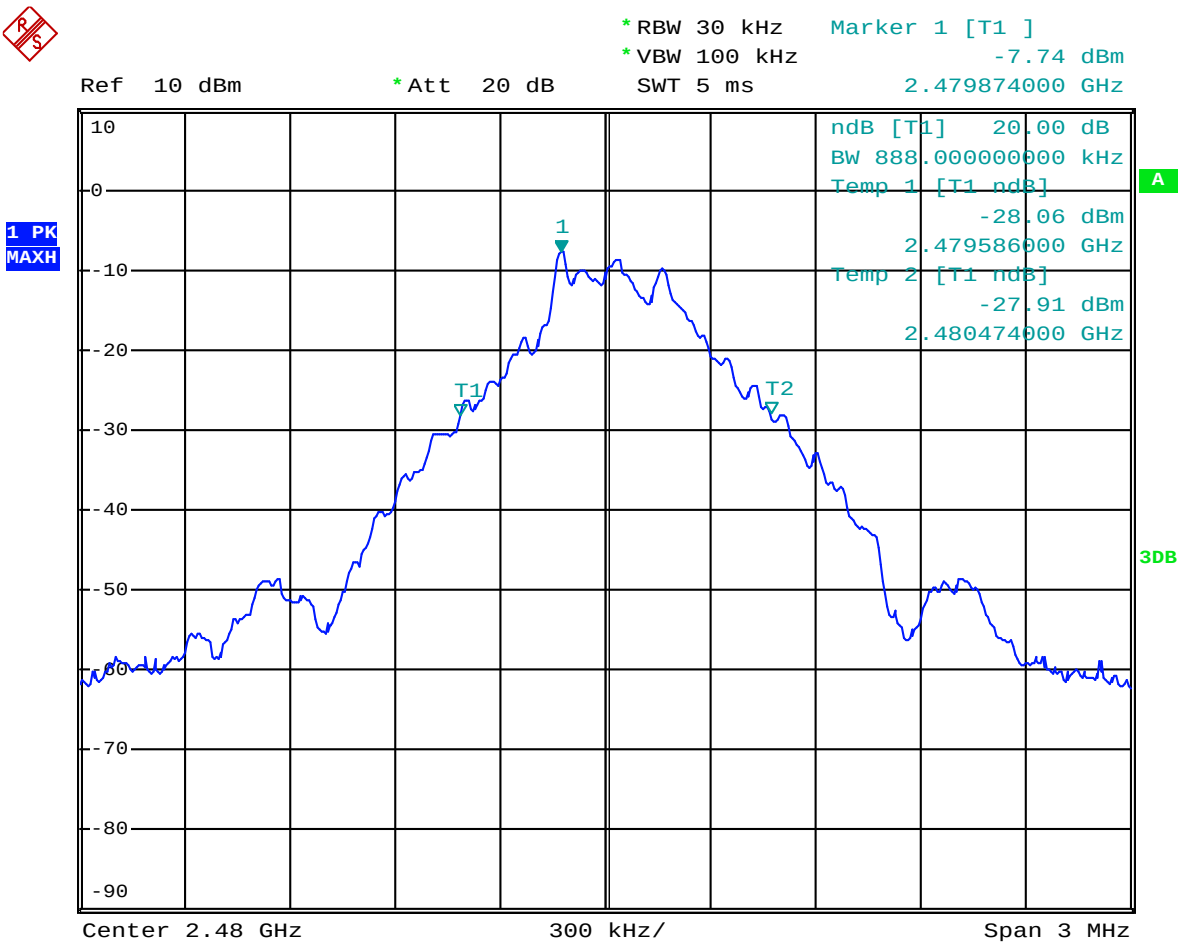
GFSK			
Product:	WIRELESS GAMING HEADSET	Test Mode:	Keep transmitting
Mode	Keeping Transmitting	Test Voltage	DC3.7V
Temperature	24 deg. C,	Humidity	56% RH
Test Result:	Pass	Detector	PK
20dB Bandwidth	888kHz	--	--



Date: 2.DEC.2025 15:28:18

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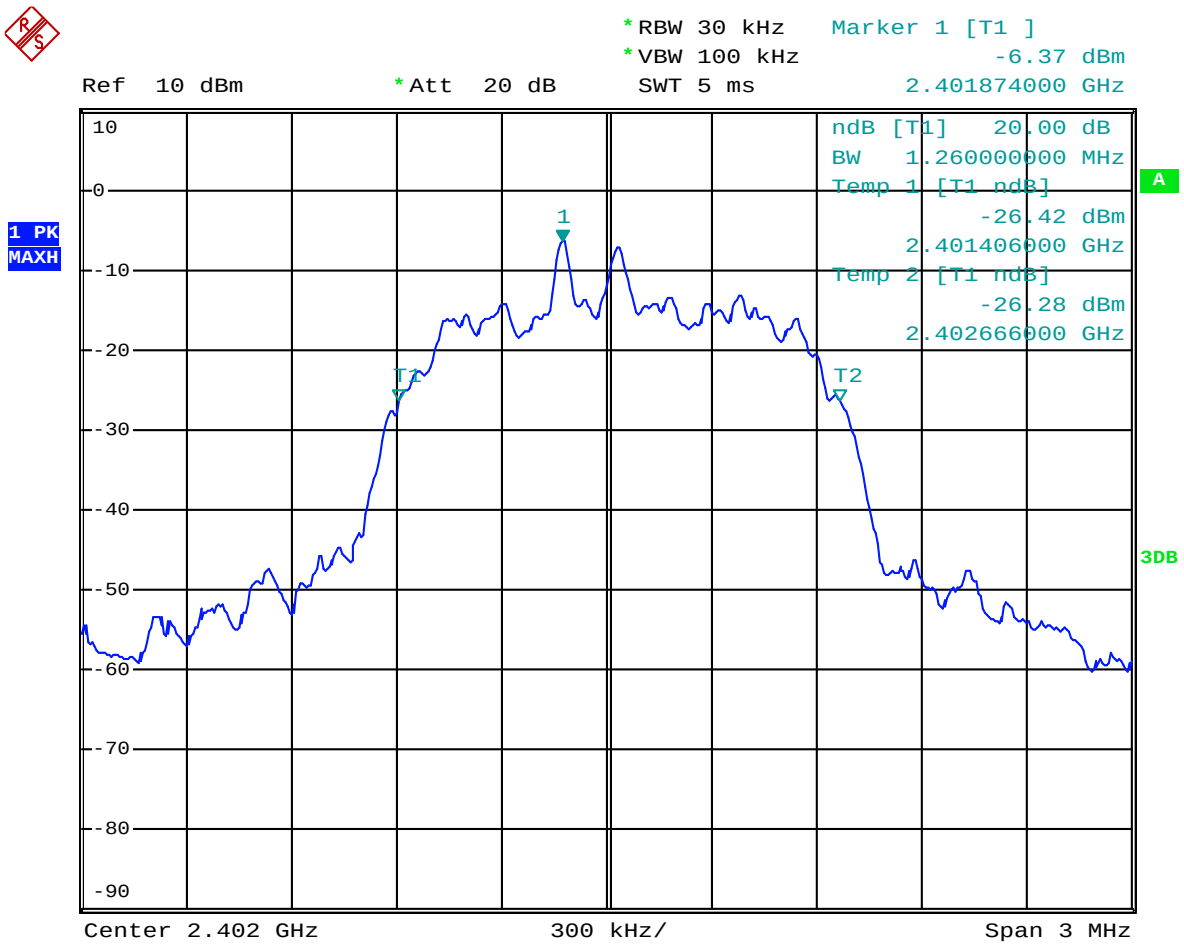
Л/4DQPSK			
Product:	WIRELESS GAMING HEADSET	Test Mode:	Keep transmitting
Mode	Keeping Transmitting	Test Voltage	DC3.7V
Temperature	24 deg. C,	Humidity	56% RH
Test Result:	Pass	Detector	PK
20dB Bandwidth	1.260MHz	--	--



Date: 2.DEC.2025 15:33:56

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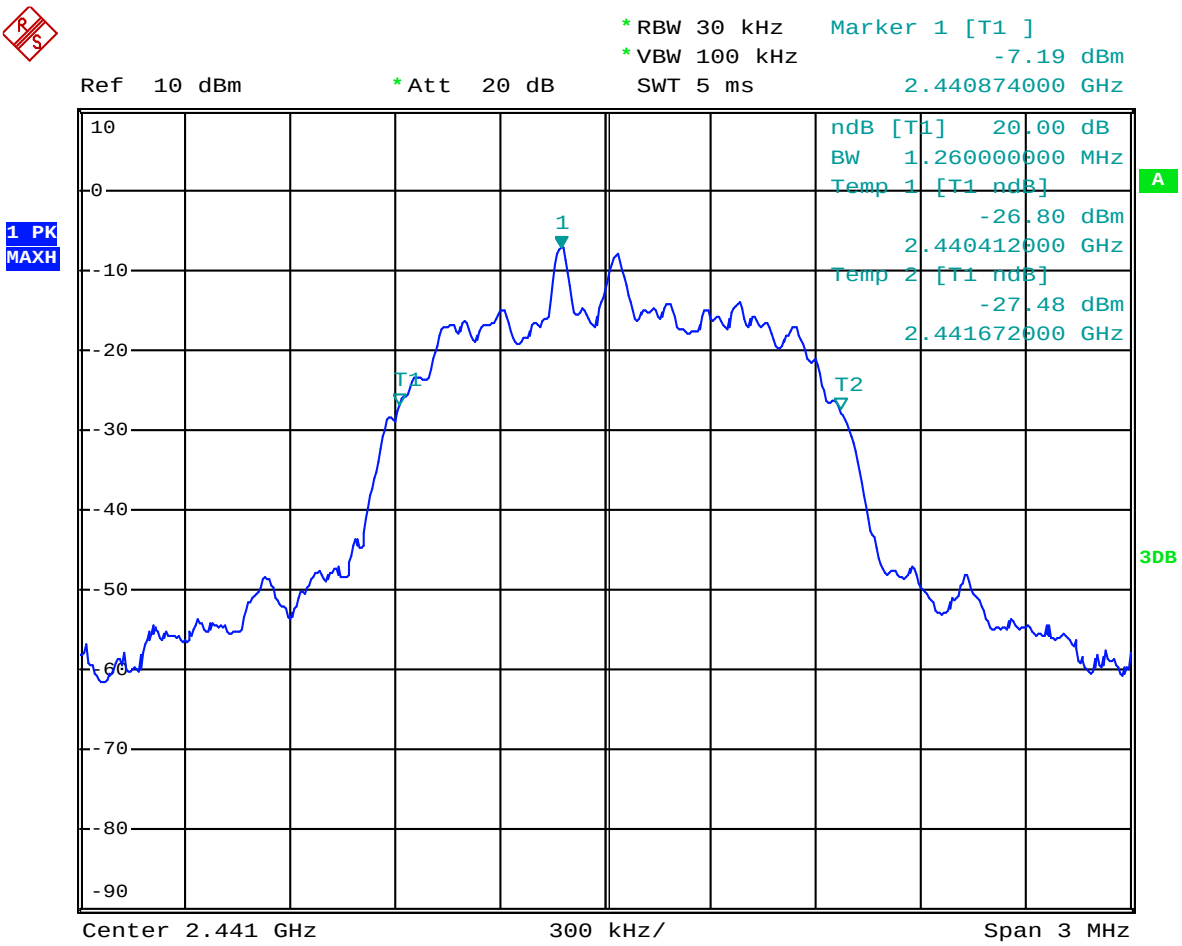
Л/4DQPSK			
Product:	WIRELESS GAMING HEADSET	Test Mode:	Keep transmitting
Mode	Keeping Transmitting	Test Voltage	DC3.7V
Temperature	24 deg. C,	Humidity	56% RH
Test Result:	Pass	Detector	PK
20dB Bandwidth	1.260MHz	--	--



Date: 2.DEC.2025 15:32:10

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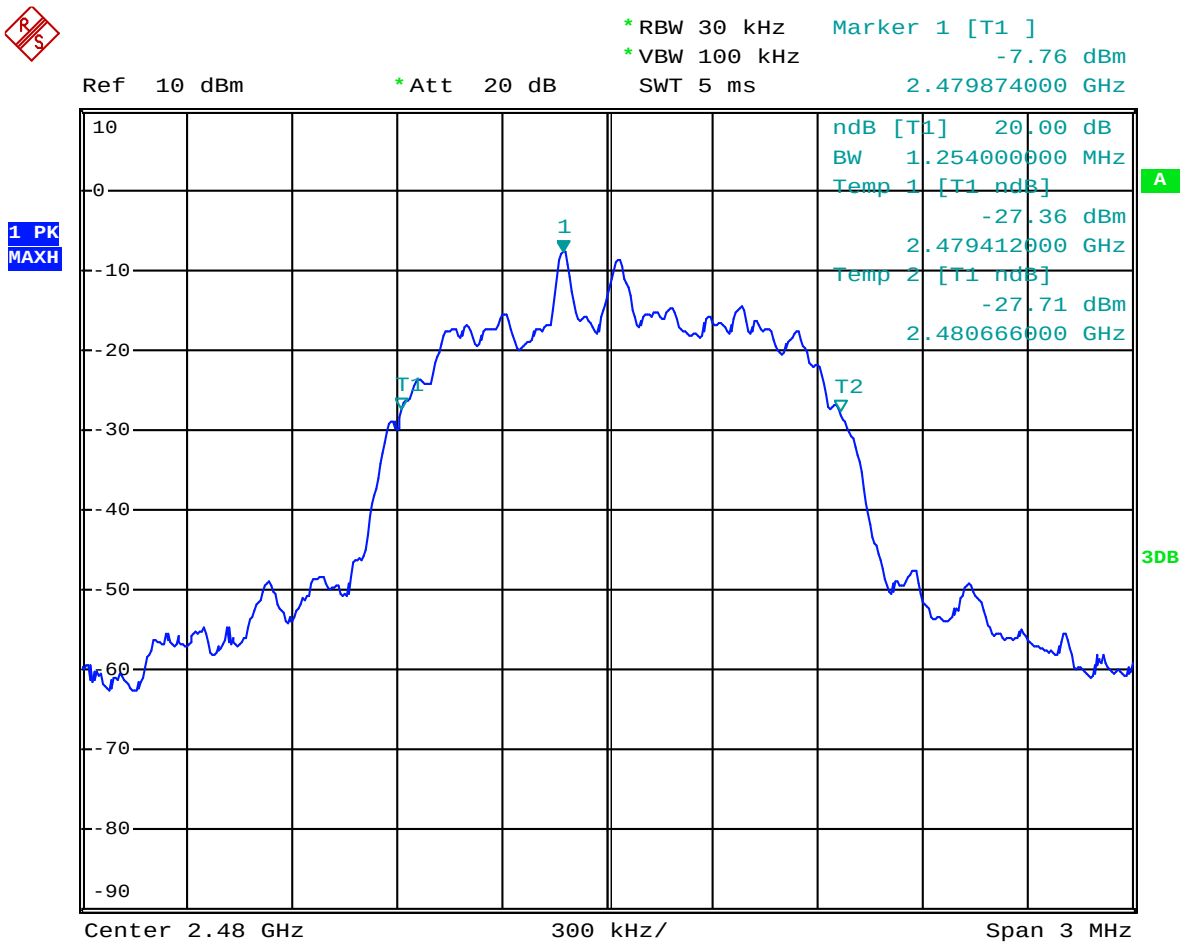
Л/4DQPSK			
Product:	WIRELESS GAMING HEADSET	Test Mode:	Keep transmitting
Mode	Keeping Transmitting	Test Voltage	DC3.7V
Temperature	24 deg. C,	Humidity	56% RH
Test Result:	Pass	Detector	PK
20dB Bandwidth	1.254MHz	--	--



Date: 2.DEC.2025 15:29:49

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10.0 FCC ID Label

FCC ID: TUVET-9208

The label must not be a stick-on paper label. The label on these products must be permanently affixed to the product and readily visible at the time of purchase and must last the expected lifetime of the equipment not be readily detachable.

Mark Location:

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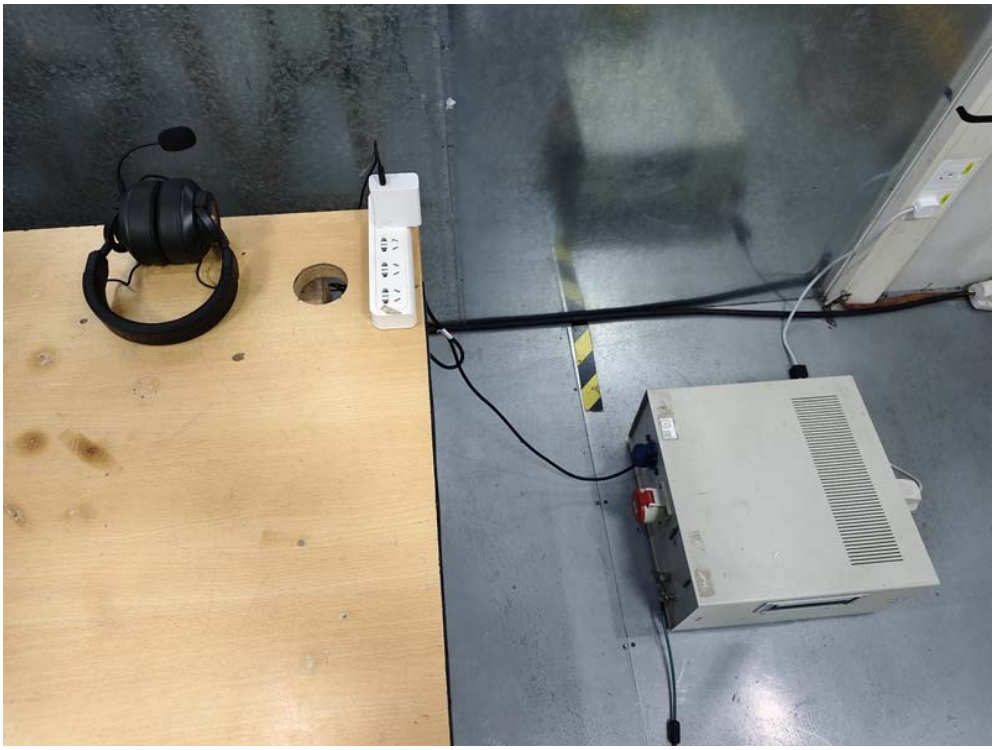
11.0 Photo of testing

11.1 Conducted test View--



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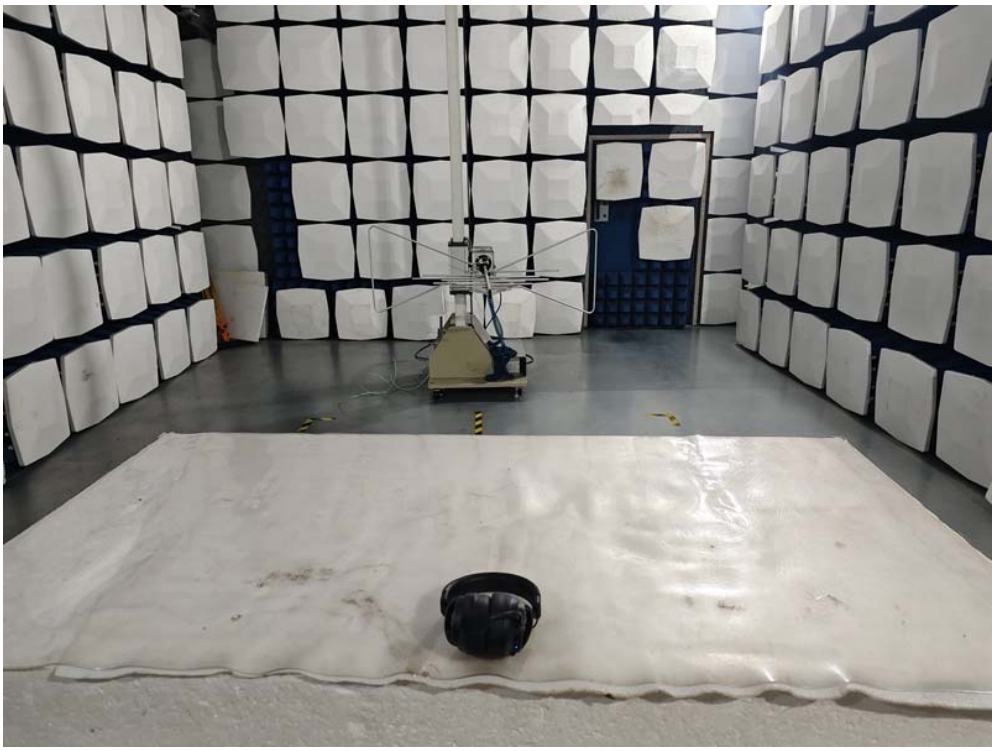
Radiated emission test view-



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RF test view

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Photographs – EUT

Outside View-Headset

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Outside View-Headset

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Inside View-Headset

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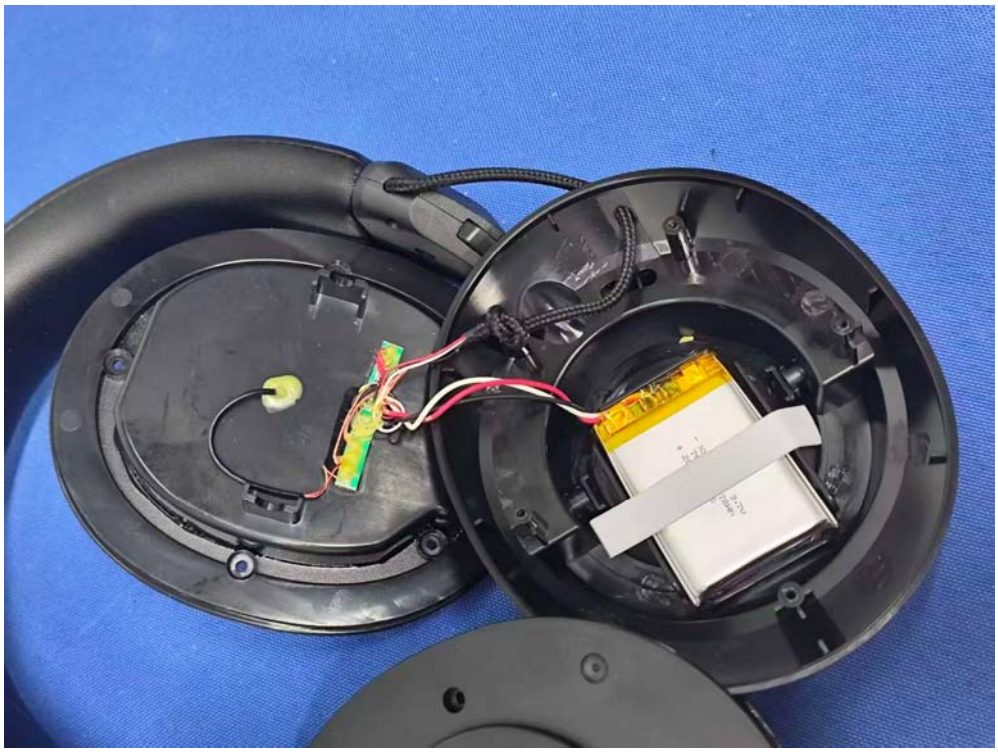
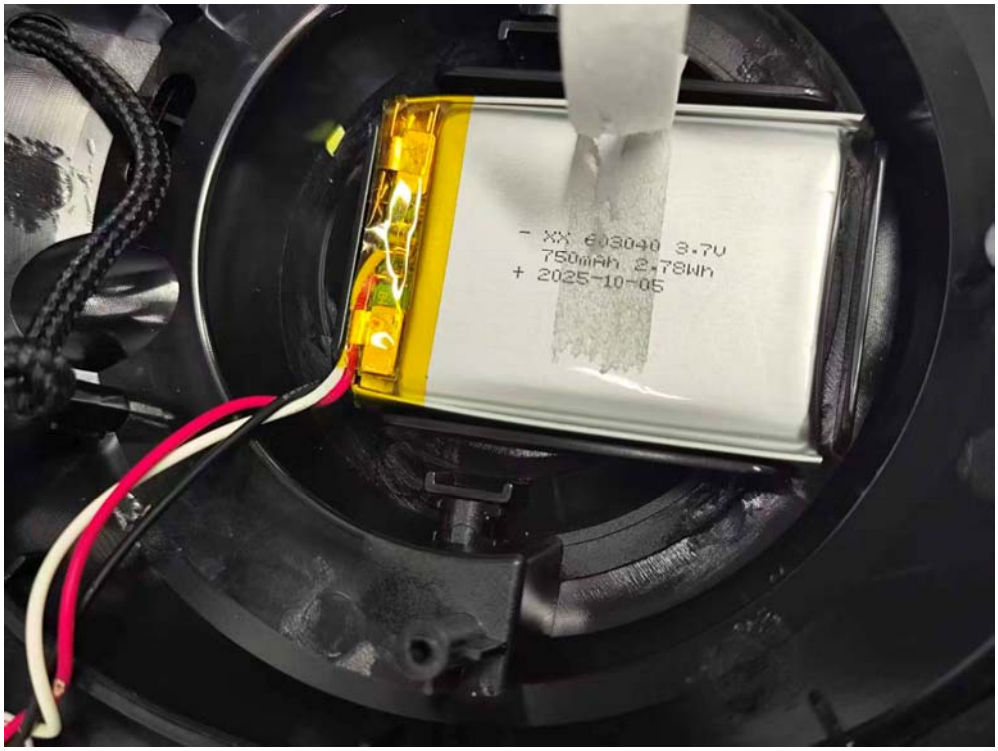
Inside View-Headset





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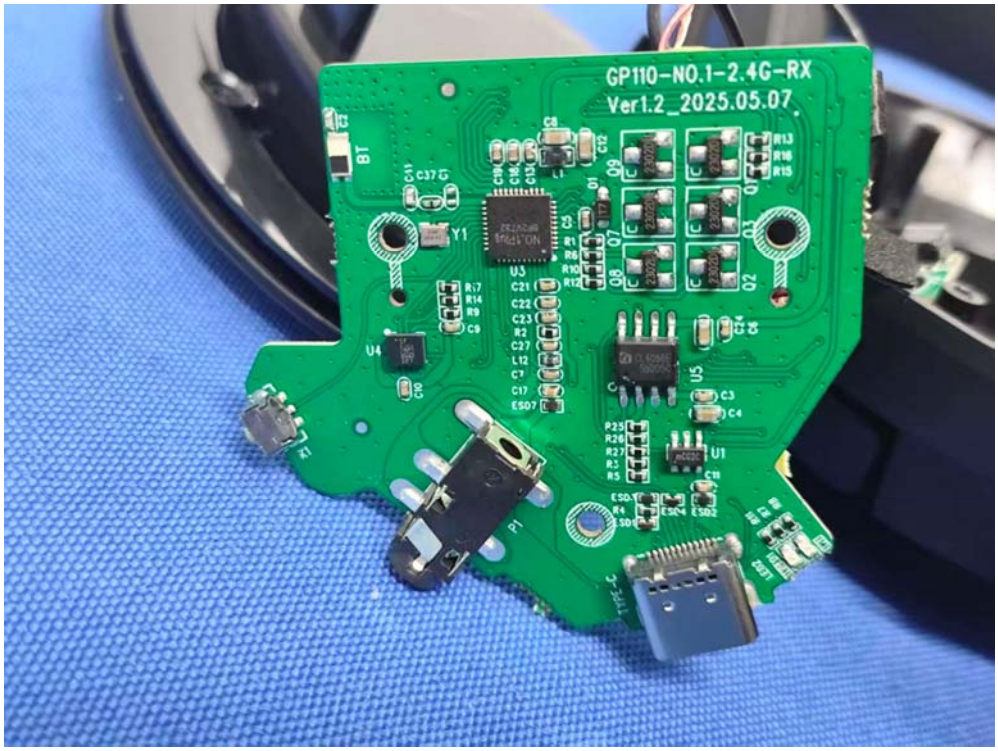
Inside View-Headset



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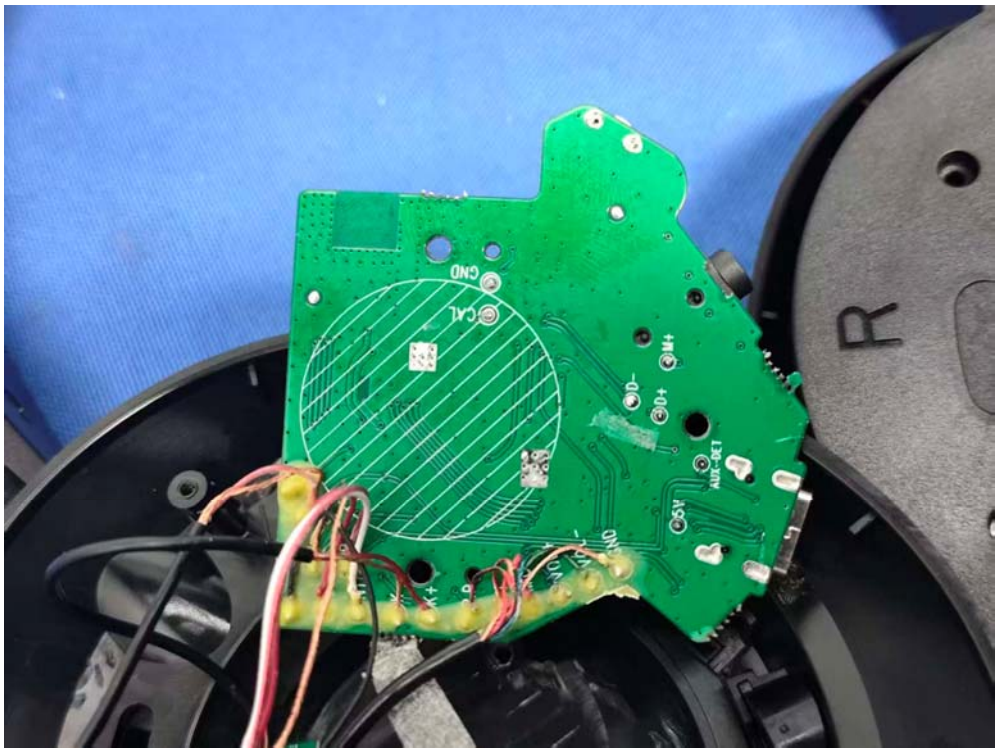
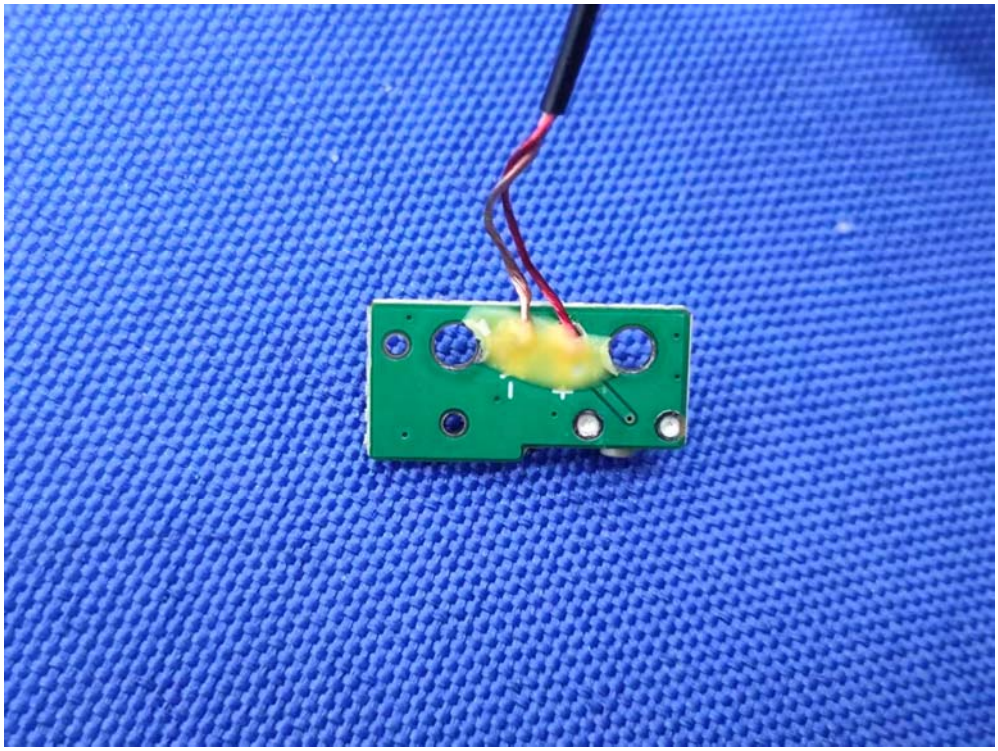
Inside View-Headset





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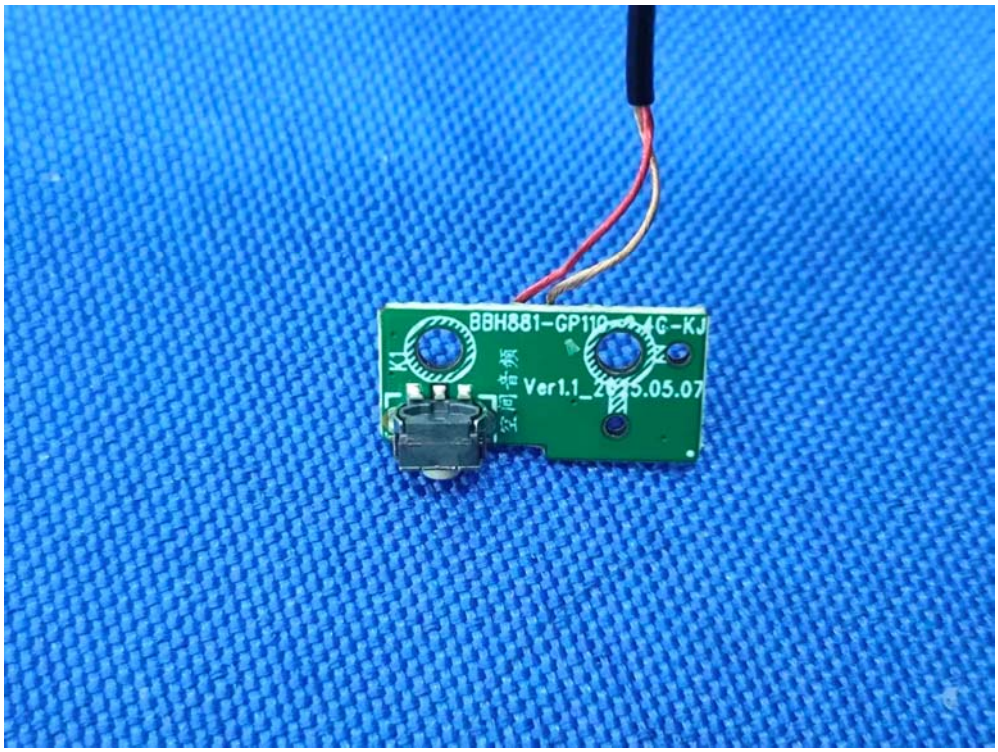
Inside View-Headset



--End of the report--

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