



Report No.: TWN2506525-01E

Applicant: Eastern Times Technology Co.,Ltd

Product: LIGHT-WEIGHT 3 MODES CONNECTION RGB GAMING MOUSE

Model No.: M816-STD, DS-4028

Trademark: REDRGAON

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: September 17, 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

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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

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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:	LIGHT-WEIGHT 3 MODES CONNECTION RGB GAMING MOUSE
Manufacturer:	Eastern Times Technology Co.,Ltd
Address:	Building D, Nan An Industrial Area, Youganpu Village, Fenggang Town, Dongguan City, Guangdong, China.
Trademark:	REDRGAON
Additional Trademark:	N/A
Model Number:	M816-STD
Additional Model Name	DS-4028
Hardware Version:	4028-C TX V1
Software Version:	7e3ca584
Serial No.:	RDM816-STD25022502004
Rating:	Input: DC5V, 300mA or DC3.7V, 31mA
Battery:	DC3.7V, 700mAh Li-ion battery
Modulation Type:	GFSK
Operation Frequency:	2405-2475MHz
Channel List (Unit: MHz):	2405, 2463, 2441, 2426, 2408, 2466, 2445, 2422, 2414, 2471, 2459, 2436, 2419, 2475, 2453, 2439
Antenna Designation	PCB antenna with gain 2.34dBi Max (Get from the antenna specification)

1.4 Submitted Sample: 2 Samples

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1.5 Test Duration

2025-08-12 to 2025-09-17

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

Andy -Xing

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 and ANSI C63.10-2020+Cor.1-2023

4.0 EUT Modification

No modification by SHENZHEN TIMEWAY TESTING LABORATORIES

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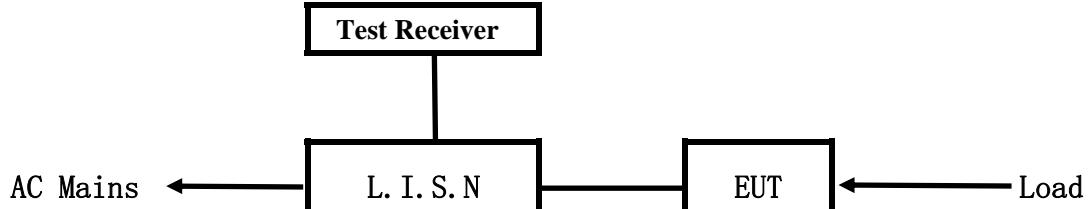
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5. Power Line Conducted Emission Test

5.1 Schematics of the test



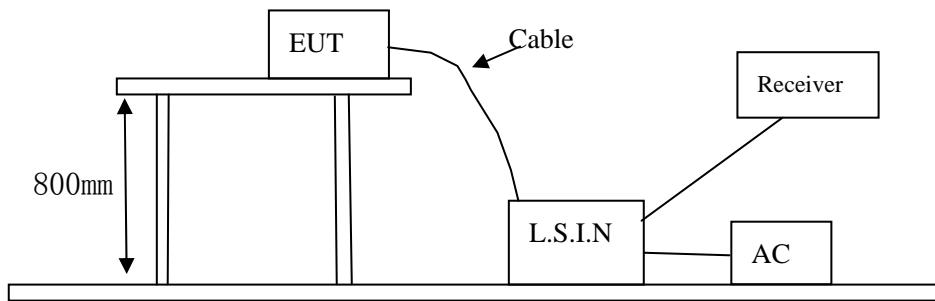
EUT: Equipment Under Test

5.2 Test Method and test Procedure

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

Test Voltage: 120V~, 60Hz

Block diagram of Test setup



5.3 Configuration of the EUT

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

16 channels are provided to the EUT

A. EUT

Device	Manufacturer	Model	FCC ID
LIGHT-WEIGHT 3 MODES CONNECTION RGB GAMING MOUSE	Eastern Times Technology Co.,Ltd	M816-STD, DS-4028	TUVDS-4028C

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B. Internal Device

Device	Manufacturer	Model	FCC ID/DOC
N/A			

C. Peripherals

Device	Manufacturer	Model	Rating
Power Supply	KEYU	KA23-0502000DEU	Input: 100-240V~, 50/60Hz, 0.35A; Output: DC5V, 2A
PC	ThinkPad	R4	Input: DC19.5V, 2.31A

5.4 EUT Operating Condition

Operating condition is according to ANSI C63.10-2020+Cor.1-2023

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)

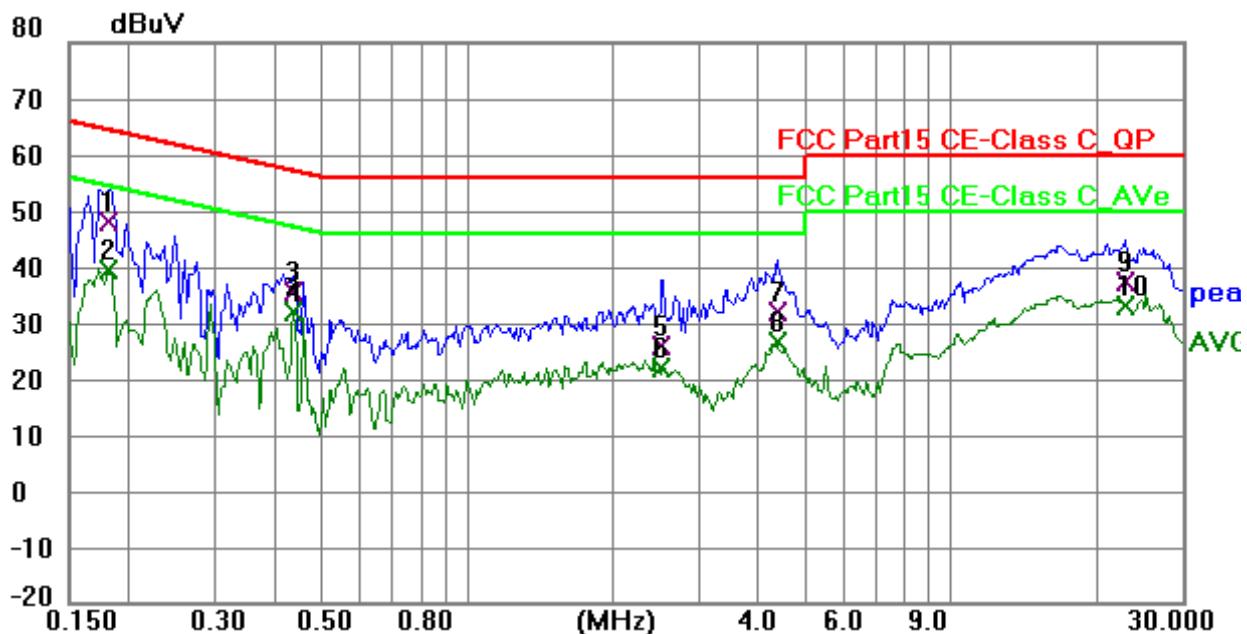
EUT Operating Environment

Temperature: 25°C Humidity: 65%RH Atmospheric Pressure: 101 kPa

EUT set Condition: Charging and Keep Transmitting

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	0.1812	37.84	10.33	48.17	64.43	-16.26	QP	P
2	0.1812	29.22	10.33	39.55	54.43	-14.88	AVG	P
3	0.4386	25.18	10.38	35.56	57.09	-21.53	QP	P
4	0.4386	21.54	10.38	31.92	47.09	-15.17	AVG	P
5	2.5251	14.51	11.51	26.02	56.00	-29.98	QP	P
6	2.5251	10.29	11.51	21.80	46.00	-24.20	AVG	P
7	4.3611	19.79	12.13	31.92	56.00	-24.08	QP	P
8	4.3611	14.35	12.13	26.48	46.00	-19.52	AVG	P
9	22.9173	21.50	15.80	37.30	60.00	-22.70	QP	P
10	22.9173	17.17	15.80	32.97	50.00	-17.03	AVG	P

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

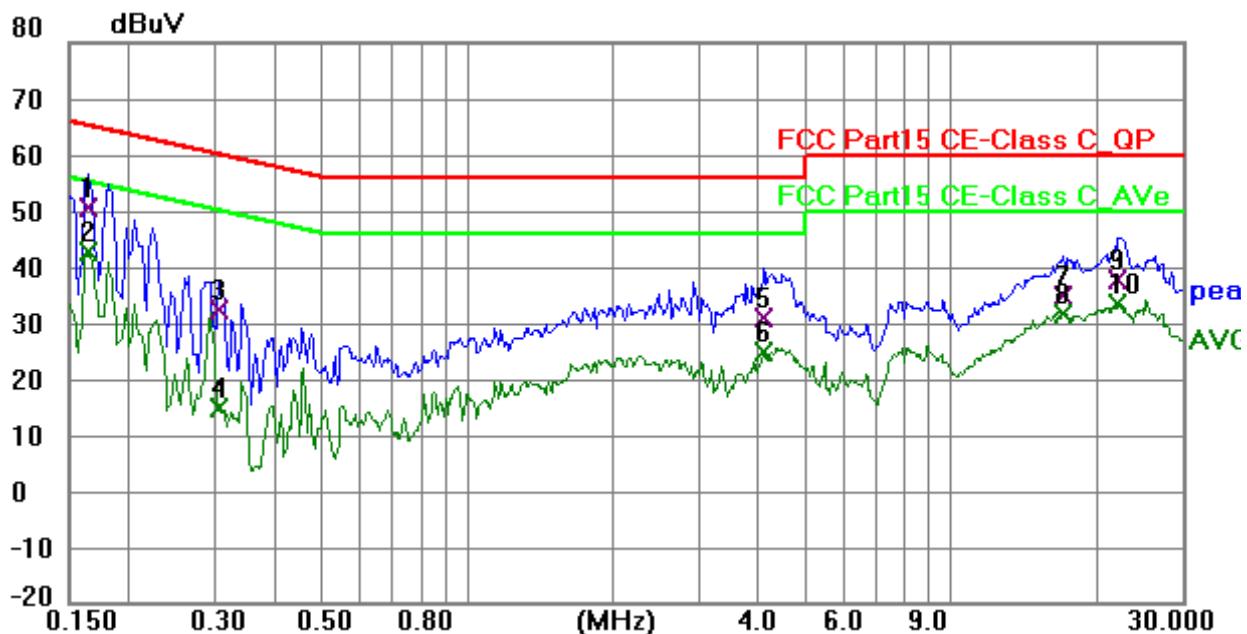
EUT Operating Environment

Temperature: 25°C Humidity: 65%RH Atmospheric Pressure: 101 kPa

EUT set Condition: Charging and Keep Transmitting

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	0.1655	40.38	10.33	50.71	65.18	-14.47	QP	P
2	0.1655	32.27	10.33	42.60	55.18	-12.58	AVG	P
3	0.3060	21.94	10.35	32.29	60.08	-27.79	QP	P
4	0.3060	4.44	10.35	14.79	50.08	-35.29	AVG	P
5	4.1037	18.74	12.06	30.80	56.00	-25.20	QP	P
6	4.1037	12.75	12.06	24.81	46.00	-21.19	AVG	P
7	16.9737	19.18	15.65	34.83	60.00	-25.17	QP	P
8	16.9737	15.94	15.65	31.59	50.00	-18.41	AVG	P
9	22.1568	21.72	15.97	37.69	60.00	-22.31	QP	P
10	22.1568	17.50	15.97	33.47	50.00	-16.53	AVG	P

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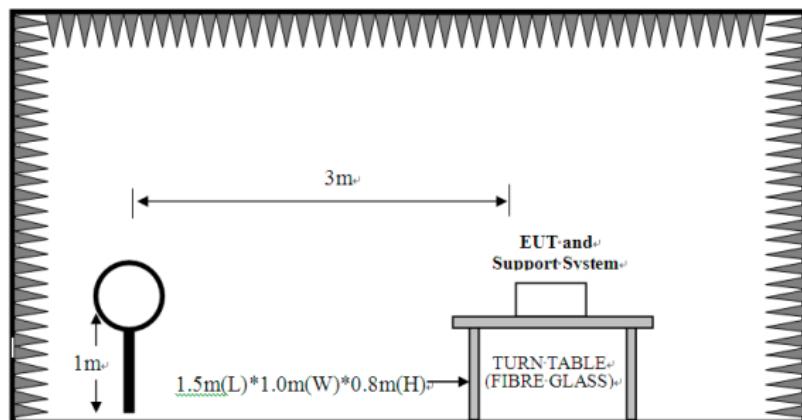
6 Radiated Emission Test

6.1 Test Method and test Procedure:

- (1) The EUT was tested according to ANSI C63.10-2020+Cor.1-2023. 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 ANSI C63.10-2020+Cor.1-2023.
- (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 height 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



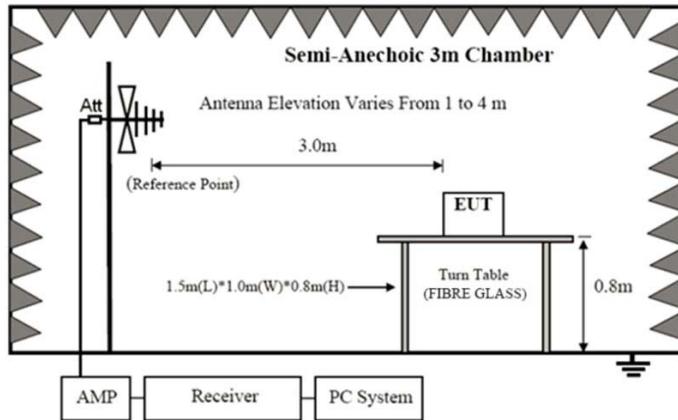
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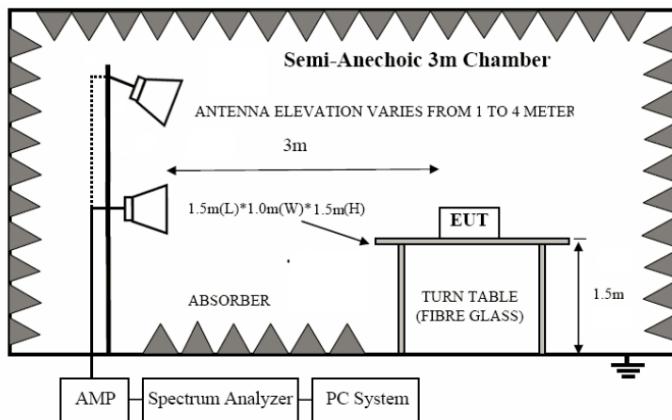
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For radiated emissions from 30MHz to1GHz



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) = $20 \log_{10} \text{RF Voltage (uV)}$
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	$20\log_{10}(2400/F(\text{kHz})) + 40\log_{10}(300/3)$
0.490-1.705	3	$20\log_{10}(24000/F(\text{kHz})) + 40\log_{10}(30/3)$
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) = $20 \log_{10} \text{RF Voltage (uV)}$
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. For radiated emissions from 9kHz to 30MHz, the emission level is much less than the limit for more than 20dB. No necessary to take down the record.
6. Battery full charged was used during tests

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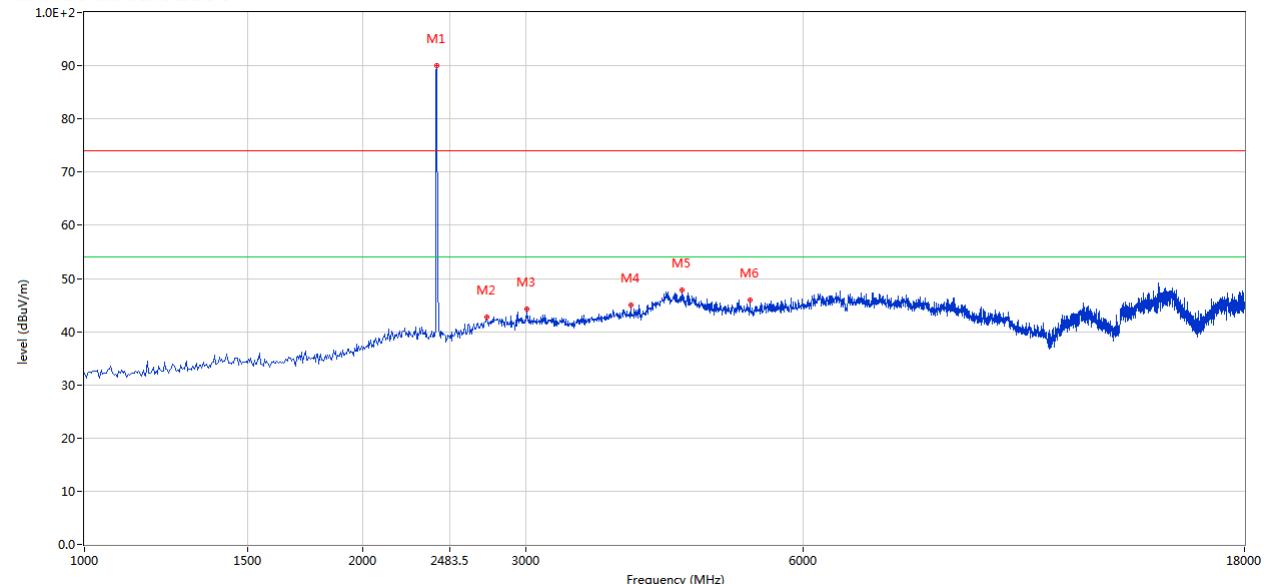
6.5 Test result

A Fundamental & Harmonics Radiated Emission Data

Please refer to the following test plots for details: Low Channel-2405MHz

Horizontal

FCC Part 15C Class B 1GHz-18GHz -2



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1	2405	89.97	-3.57	114.0	-24.03	Peak	86.00	100	Horizontal	Pass
2	2725.069	42.75	-2.89	74.0	-31.25	Peak	219.00	100	Horizontal	Pass
3	3013.997	44.27	-2.58	74.0	-29.73	Peak	51.00	100	Horizontal	Pass
4	3897.776	45.01	0.80	74.0	-28.99	Peak	0.00	100	Horizontal	Pass
5	4437.391	47.83	2.08	74.0	-26.17	Peak	343.00	100	Horizontal	Pass
6	5244.689	45.96	3.57	74.0	-28.04	Peak	130.00	100	Horizontal	Pass

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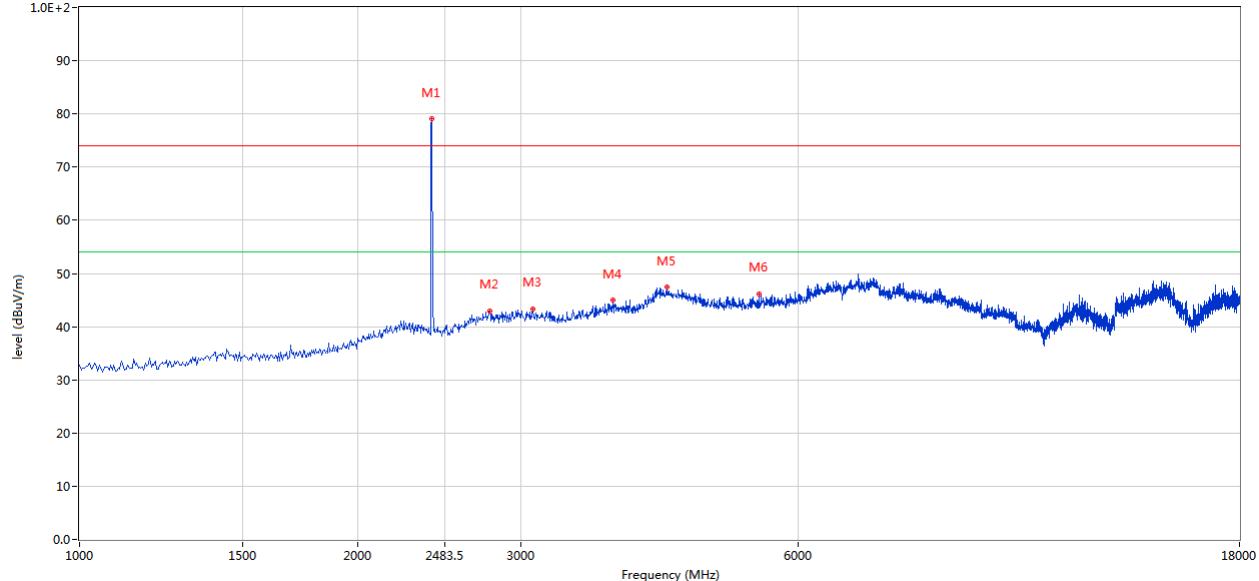
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Vertical

FCC Part 15C Class B 1GHz-18GHz -2



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1	2405	79.07	-3.57	114.0	-34.93	Peak	138.00	100	Vertical	Pass
2	2780.305	42.86	-2.75	74.0	-31.14	Peak	99.00	100	Vertical	Pass
3	3094.726	43.36	-2.22	74.0	-30.64	Peak	228.00	100	Vertical	Pass
4	3774.556	44.95	0.17	74.0	-29.05	Peak	15.00	100	Vertical	Pass
5	4322.669	47.44	1.88	74.0	-26.56	Peak	318.00	100	Vertical	Pass
6	5431.642	46.13	3.77	74.0	-27.87	Peak	143.00	100	Vertical	Pass

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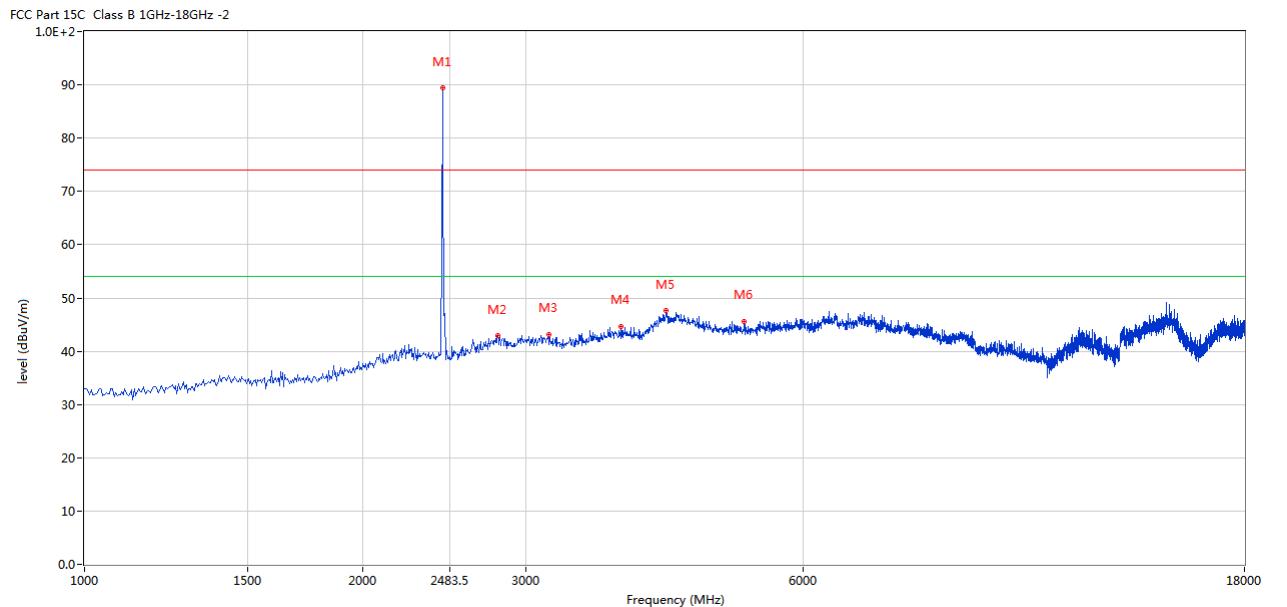
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Please refer to the following test plots for details: Middle Channel-2441MHz

Horizontal



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1	2441	89.52	-3.57	114.0	-24.48	Peak	333.00	100	Horizontal	Pass
2	2801.550	42.97	-2.70	74.0	-31.03	Peak	245.00	100	Horizontal	Pass
3	3179.705	43.20	-2.02	74.0	-30.80	Peak	313.00	100	Horizontal	Pass
4	3808.548	44.70	0.35	74.0	-29.30	Peak	280.00	100	Horizontal	Pass
5	4263.184	47.56	1.75	74.0	-26.44	Peak	184.00	100	Horizontal	Pass
6	5176.706	45.55	3.68	74.0	-28.45	Peak	250.00	100	Horizontal	Pass

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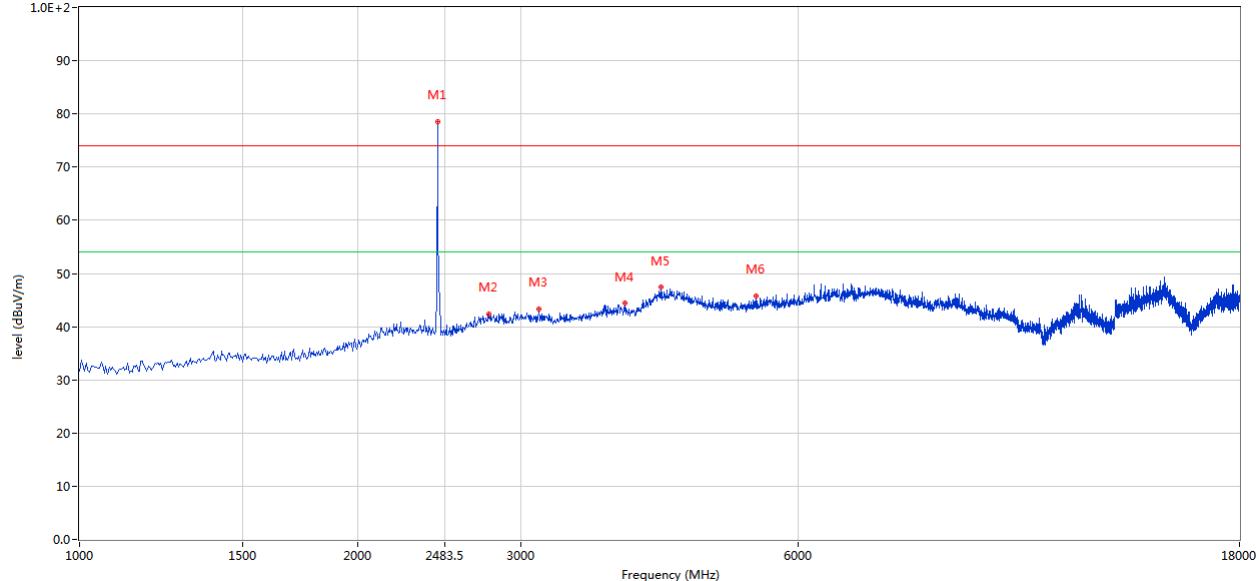
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Vertical

FCC Part 15C Class B 1GHz-18GHz -2



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1	2441	78.61	-3.57	114.0	-35.39	Peak	360.00	100	Vertical	Pass
2	2771.807	42.46	-2.77	74.0	-31.54	Peak	132.00	100	Vertical	Pass
3	3141.465	43.39	-2.10	74.0	-30.61	Peak	46.00	100	Vertical	Pass
4	3893.527	44.36	0.78	74.0	-29.64	Peak	21.00	100	Vertical	Pass
5	4263.184	47.42	1.75	74.0	-26.58	Peak	307.00	100	Vertical	Pass
6	5393.402	45.84	3.69	74.0	-28.16	Peak	200.00	100	Vertical	Pass

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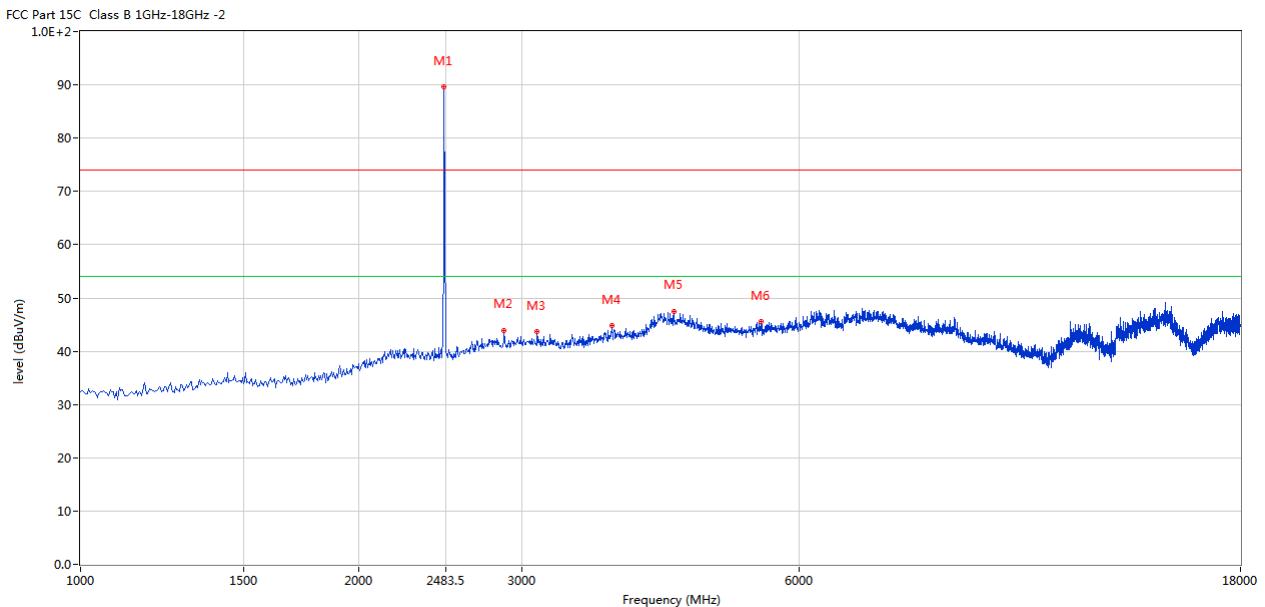
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Please refer to the following test plots for details: High Channel-2475MHz

Horizontal



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1	2475	89.72	-3.57	114.0	-24.28	Peak	79.00	100	Horizontal	Pass
2	2873.782	43.88	-2.68	74.0	-30.12	Peak	84.00	100	Horizontal	Pass
3	3120.220	43.64	-2.15	74.0	-30.36	Peak	69.00	100	Horizontal	Pass
4	3761.810	44.76	0.11	74.0	-29.24	Peak	99.00	100	Horizontal	Pass
5	4386.403	47.47	1.98	74.0	-26.53	Peak	103.00	100	Horizontal	Pass
6	5457.136	45.48	3.82	74.0	-28.52	Peak	271.00	100	Horizontal	Pass

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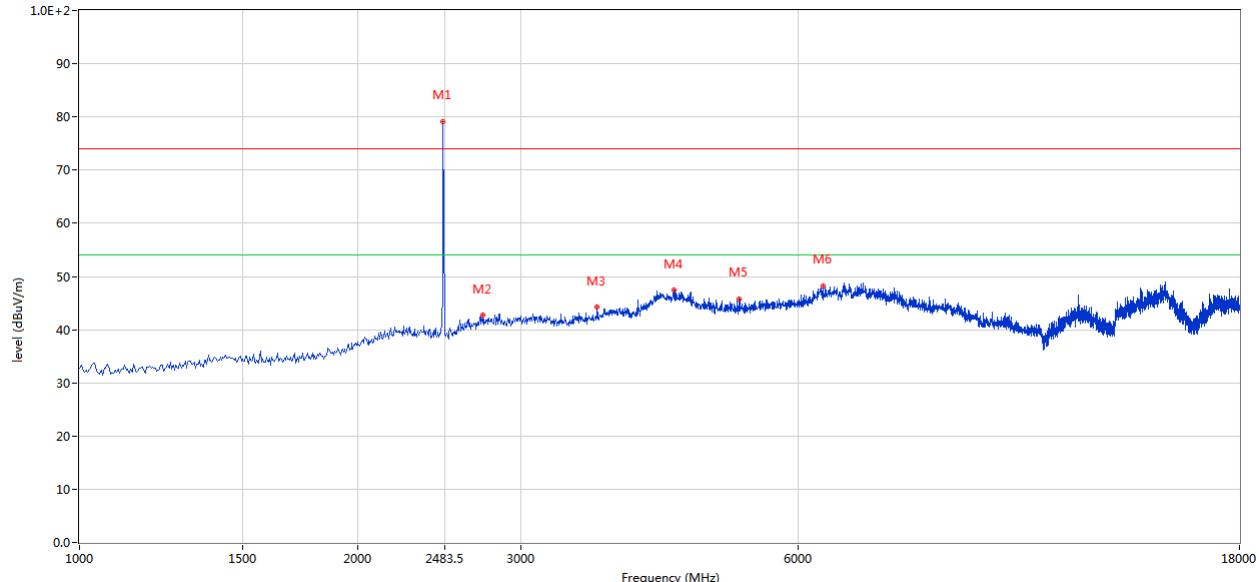
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Vertical

FCC Part 15C Class B 1GHz-18GHz -2



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1	2475	79.05	-3.57	114.0	-34.95	Peak	118.00	100	Vertical	Pass
2	2733.567	42.66	-2.87	74.0	-31.34	Peak	22.00	100	Vertical	Pass
3	3634.341	44.17	-0.47	74.0	-29.83	Peak	331.00	100	Vertical	Pass
4	4394.901	47.36	1.99	74.0	-26.64	Peak	258.00	100	Vertical	Pass
5	5172.457	45.83	3.69	74.0	-28.17	Peak	158.00	100	Vertical	Pass
6	6379.155	48.14	5.28	74.0	-25.86	Peak	148.00	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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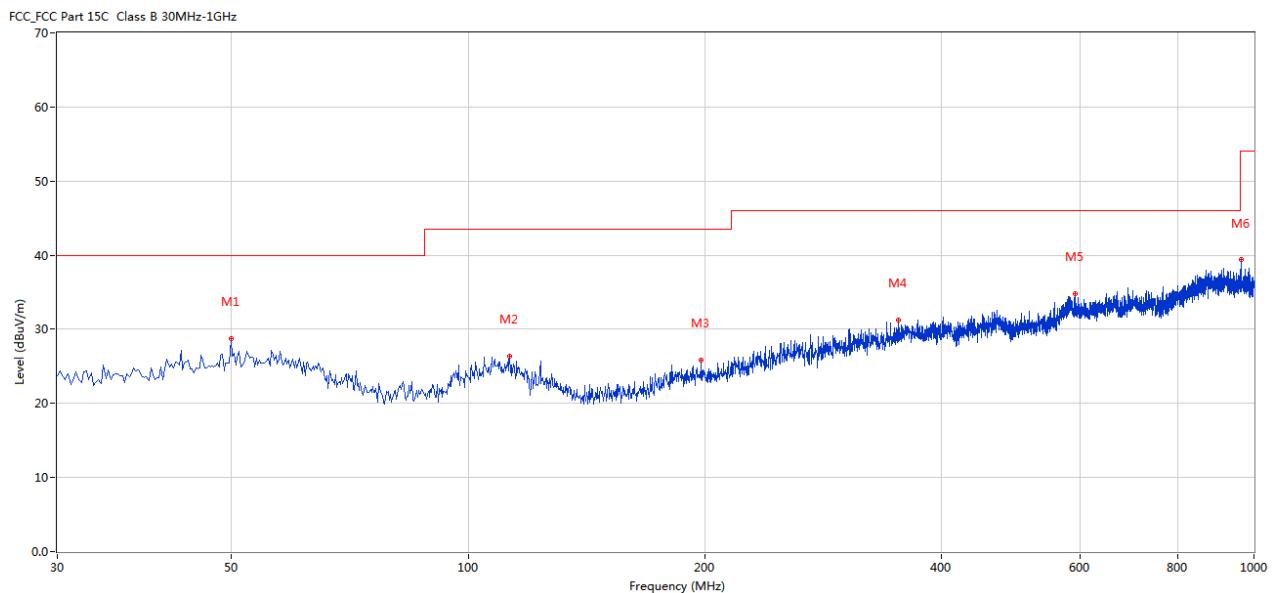
B. General Radiated Emission Data

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

EUT set Condition: Keep Tx transmitting

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	49.880	28.71	-5.20	40.0	11.29	Peak	53.00	100	Horizontal	Pass
2	112.914	26.30	-6.33	43.5	17.20	Peak	333.00	100	Horizontal	Pass
3	198.010	25.82	-7.17	43.5	17.68	Peak	194.00	100	Horizontal	Pass
4	353.172	31.22	-2.37	46.0	14.78	Peak	131.00	100	Horizontal	Pass
5	591.490	34.79	1.74	46.0	11.21	Peak	238.00	100	Horizontal	Pass
6	964.361	39.40	5.19	54.0	14.60	Peak	34.00	100	Horizontal	Pass

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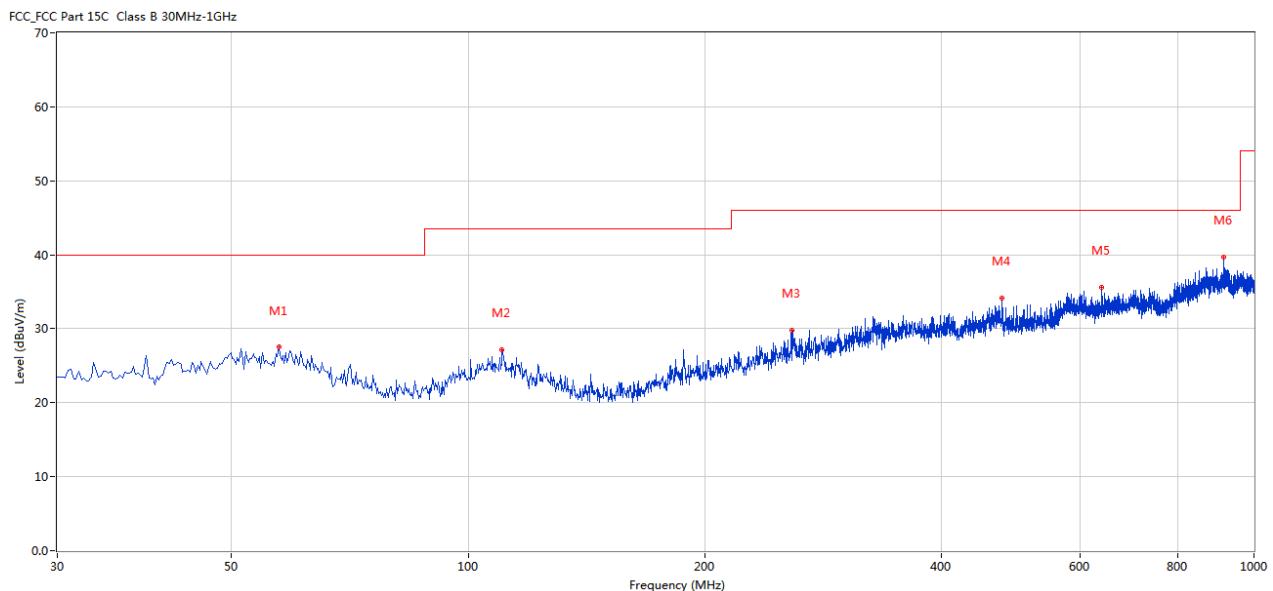


Radiated Emission In Vertical (30MHz----1000MHz)

EUT set Condition: Keep Tx transmitting

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	27.49	-4.92	40.0	12.51	Peak	40.00	100	Vertical	Pass
2	110.490	27.11	-5.95	43.5	16.39	Peak	56.00	100	Vertical	Pass
3	257.893	29.81	-4.99	46.0	16.19	Peak	24.00	100	Vertical	Pass
4	478.270	34.16	-0.82	46.0	11.84	Peak	324.00	100	Vertical	Pass
5	640.705	35.63	1.49	46.0	10.37	Peak	40.00	100	Vertical	Pass
6	916.116	39.69	5.39	46.0	6.31	Peak	18.00	100	Vertical	Pass

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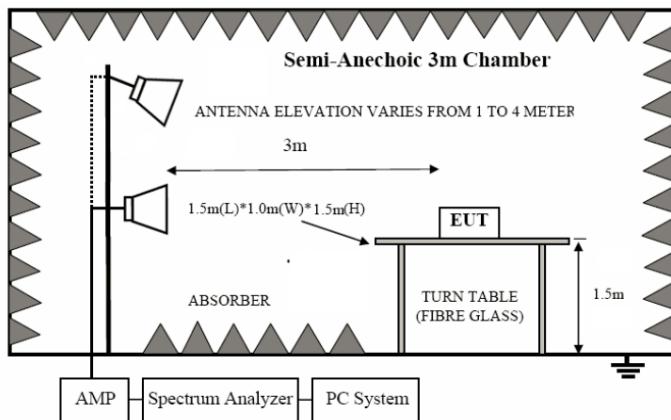


7. Band Edge

7.1 Test Method and test Procedure:

- (1) The EUT was tested according to ANSI C63.10-2020+Cor.1-2023. 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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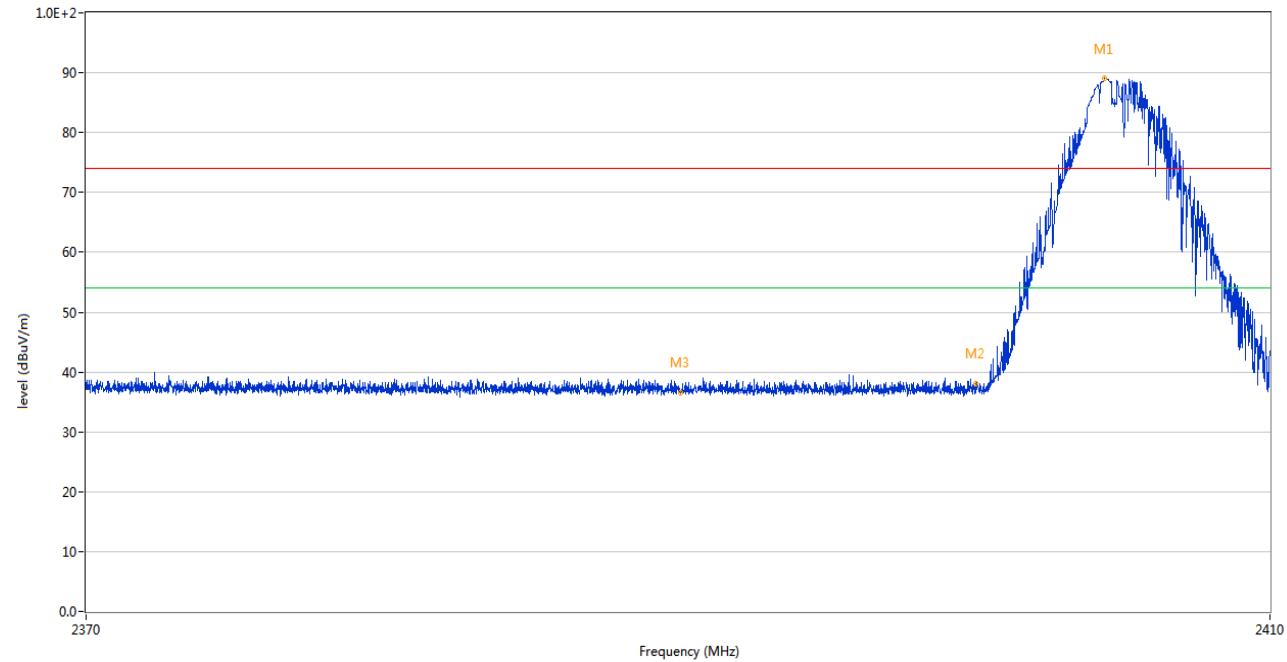
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7.6 Test Result

Product:	LIGHT-WEIGHT 3 MODES CONNECTION RGB GAMING MOUSE		Polarity	Horizontal
Mode	Keeping Transmitting		Test Voltage	DC3.7V
Temperature	24 deg. C,		Humidity	56% RH
Test Result:	Pass		--	--

FCC Part 15C Class B 1GHz-18GHz -2



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1	2404.371	89.06	-3.57	74.0	15.06	Peak	73.00	100	Horizontal	N/A
2	2400.000	38.13	-3.57	74.0	-35.87	Peak	112.11	100	Horizontal	Pass
3	2390.000	36.53	-3.53	74.0	-37.47	Peak	75.00	100	Horizontal	Pass

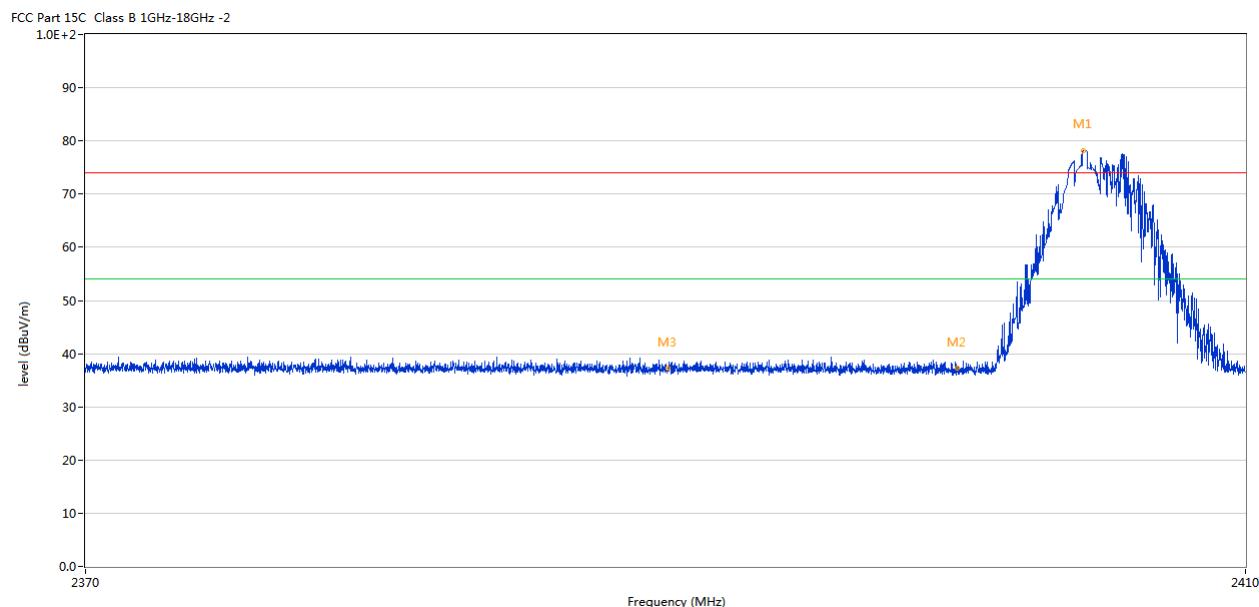
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Product:	LIGHT-WEIGHT 3 MODES CONNECTION RGB GAMING MOUSE	Detector	Vertical
Mode	Keeping Transmitting	Test Voltage	DC3.7V
Temperature	24 deg. C,	Humidity	56% RH
Test Result:	Pass	--	--



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1	2404.361	78.20	-3.57	74.0	4.20	Peak	276.00	100	Vertical	N/A
2	2400.000	37.23	-3.57	74.0	-36.77	Peak	115.00	100	Vertical	Pass
3	2390.000	37.22	-3.53	74.0	-36.78	Peak	336.50	100	Vertical	Pass

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Product:	LIGHT-WEIGHT 3 MODES CONNECTION RGB GAMING MOUSE		Polarity	Horizontal						
Mode	Keeping Transmitting		Test Voltage	DC3.7V						
Temperature	24 deg. C,		Humidity	56% RH						
Test Result:	Pass		--	--						
FCC Part 15C Class B 1GHz-18GHz -2 										
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1	2475.099	88.76	-3.57	74.0	14.76	Peak	72.00	100	Horizontal	N/A
2	2483.500	36.31	-3.57	74.0	-37.69	Peak	84.29	100	Horizontal	Pass

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Product:	LIGHT-WEIGHT 3 MODES CONNECTION RGB GAMING MOUSE		Detector	Vertical						
Mode	Keeping Transmitting		Test Voltage	DC3.7V						
Temperature	24 deg. C,		Humidity	56% RH						
Test Result:	Pass		--	--						
FCC Part 15C Class B 1GHz-18GHz -2 										
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1	2474.874	78.83	-3.57	74.0	4.83	Peak	277.00	100	Vertical	N/A
2	2483.500	36.38	-3.57	74.0	-37.62	Peak	239.14	100	Vertical	Pass

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

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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 2.34dBi maximum. It fulfills the requirement of this section.

Test Result: Pass

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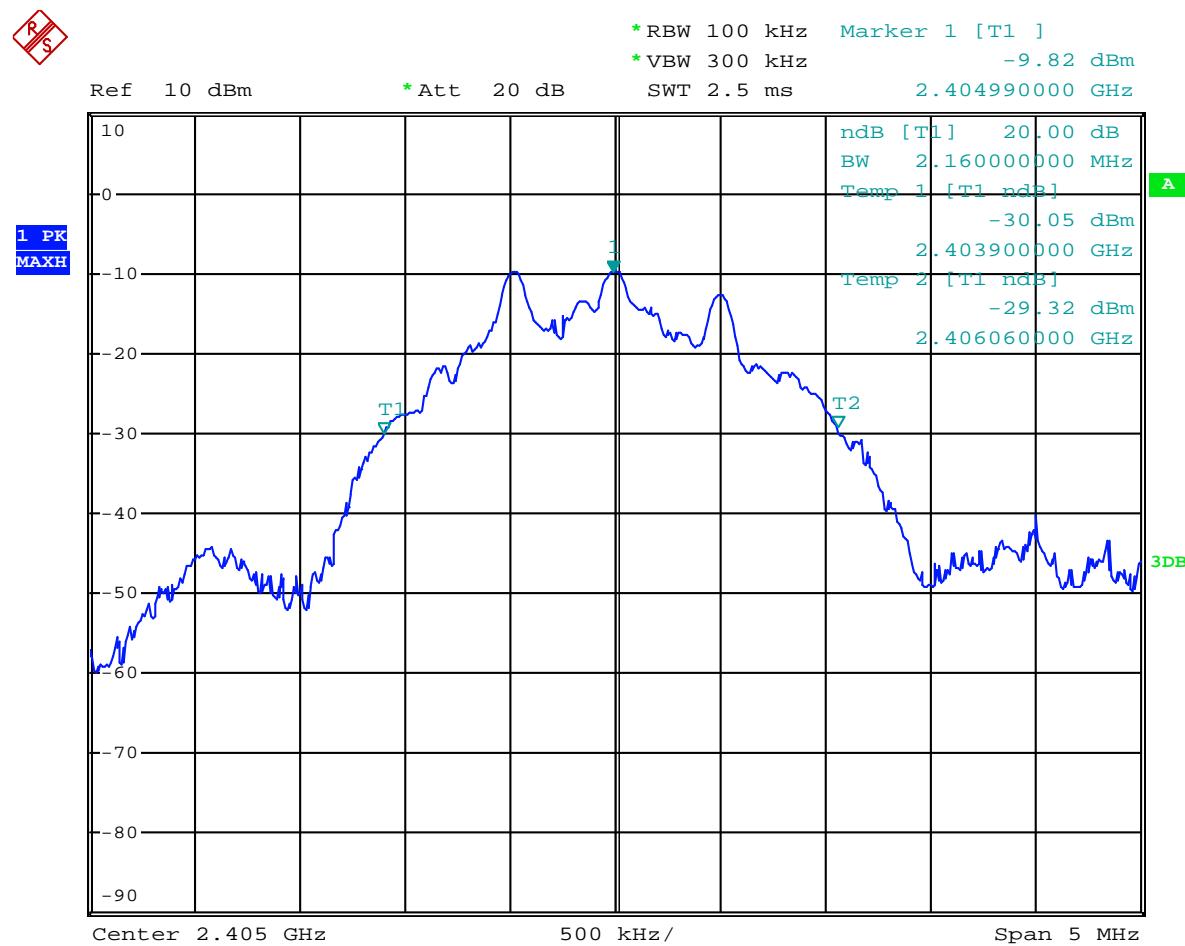
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9.0 20dB Bandwidth Measurement

GFSK

Product:	LIGHT-WEIGHT 3 MODES CONNECTION RGB GAMING MOUSE	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	2.160MHz	--	--



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GFSK			
Product:	LIGHT-WEIGHT 3 MODES CONNECTION RGB GAMING MOUSE	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	2.160MHz	--	--

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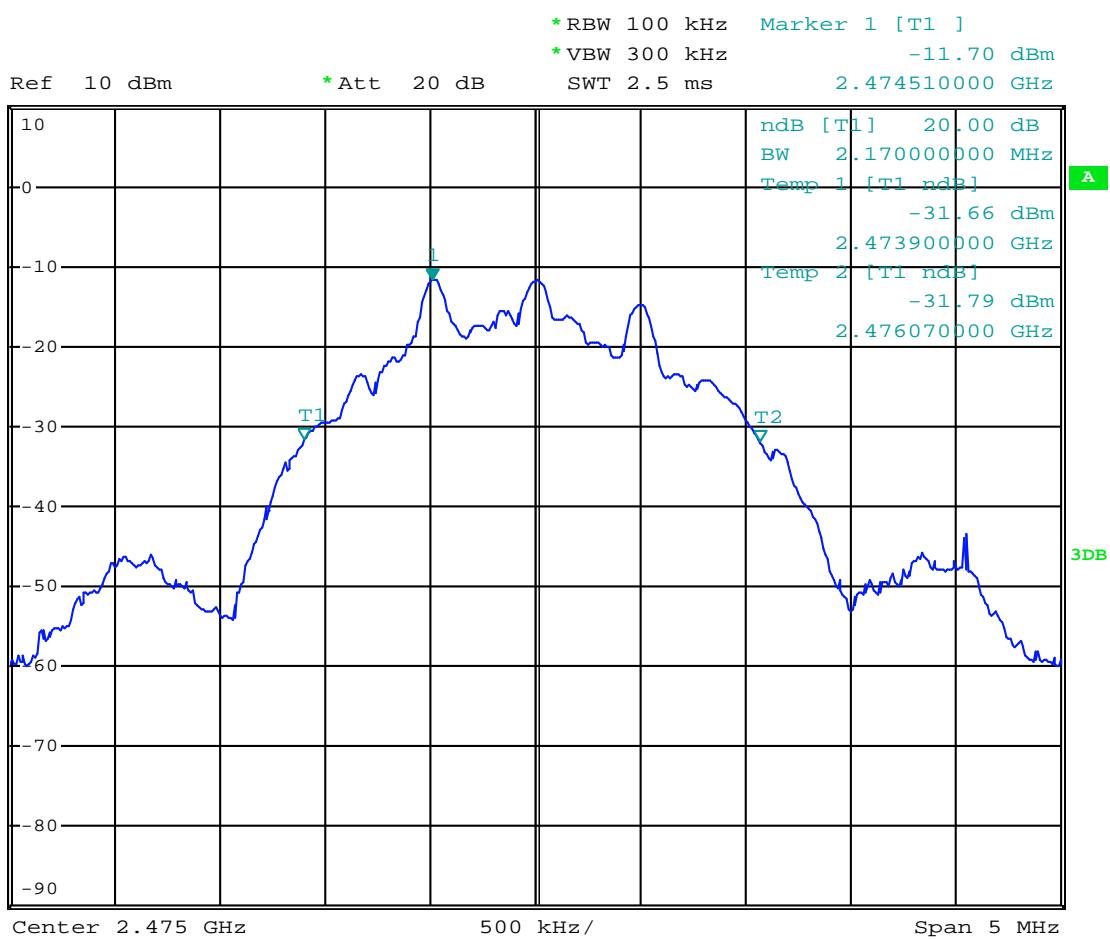
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GFSK

Product:	LIGHT-WEIGHT 3 MODES CONNECTION RGB GAMING MOUSE	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	2.170MHz	--	--

RS



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10.0 FCC ID Label

FCC ID: TUVDS-4028C

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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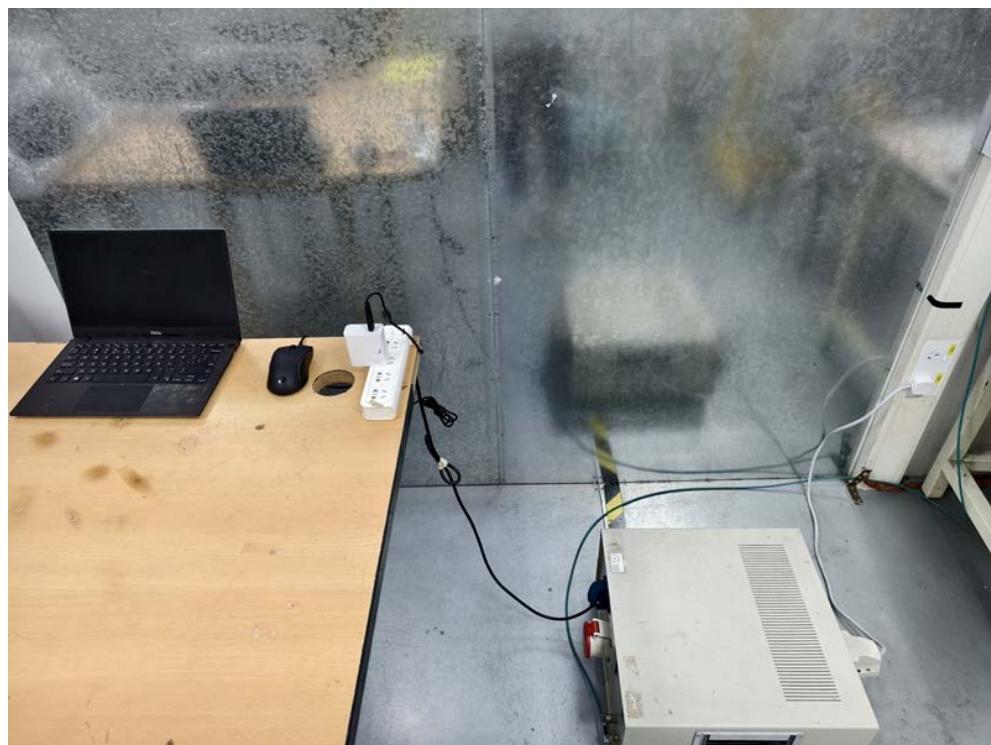
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11.0 Photo of testing

11.1 Conducted test View--



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Radiated emission test view-



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Photographs – EUT

Outside View



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Outside View



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Outside View



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Outside View



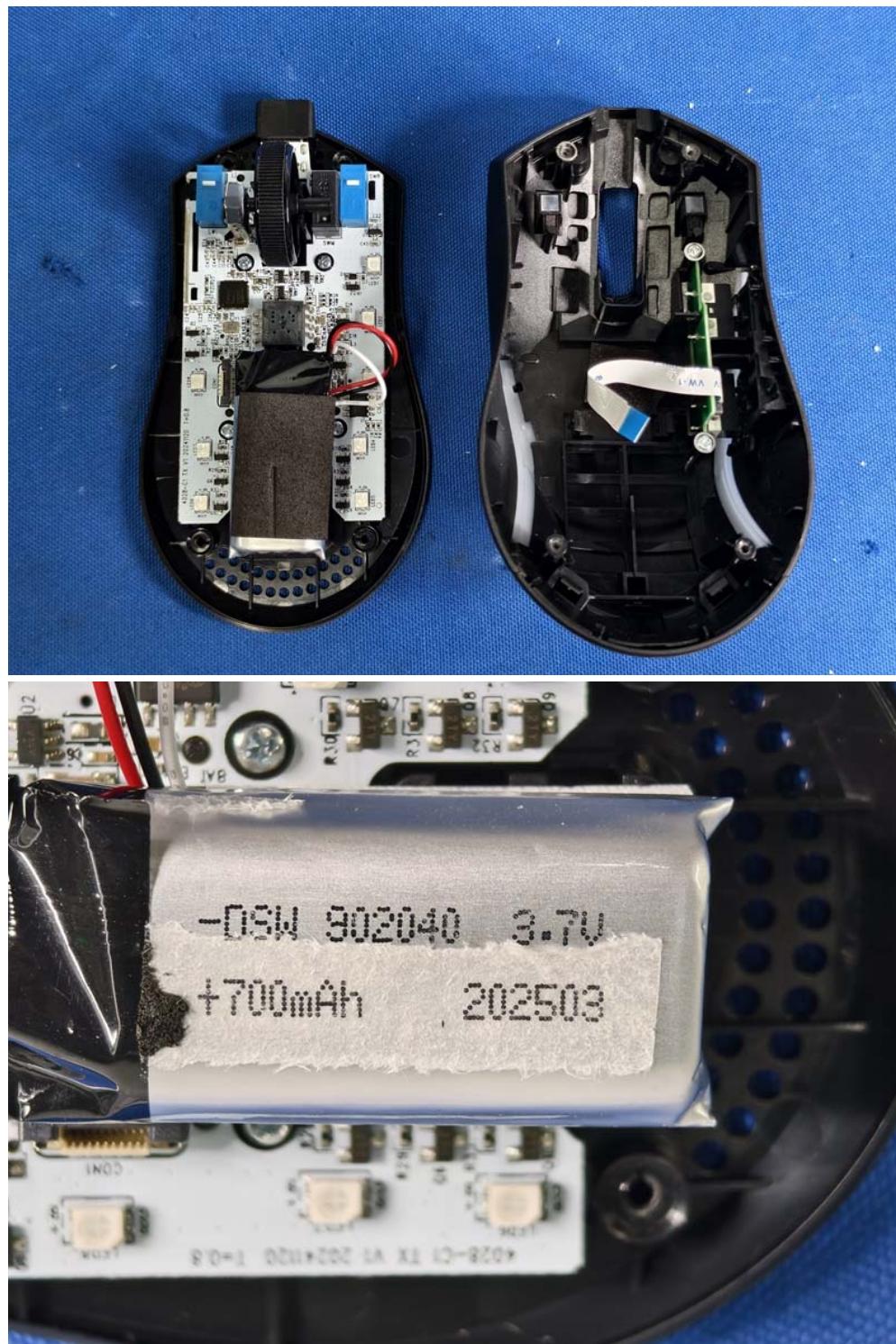
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Inside View



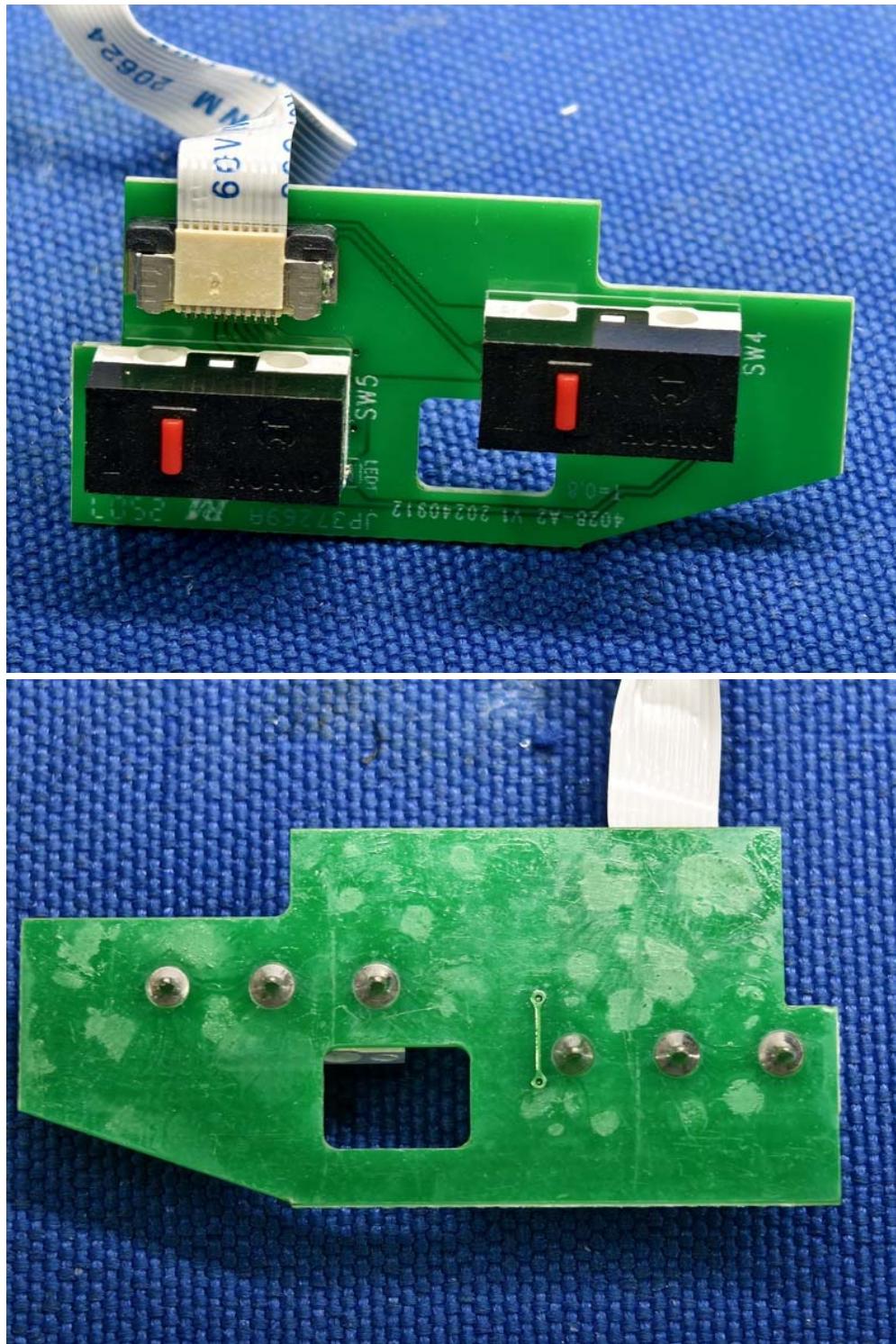
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Inside View



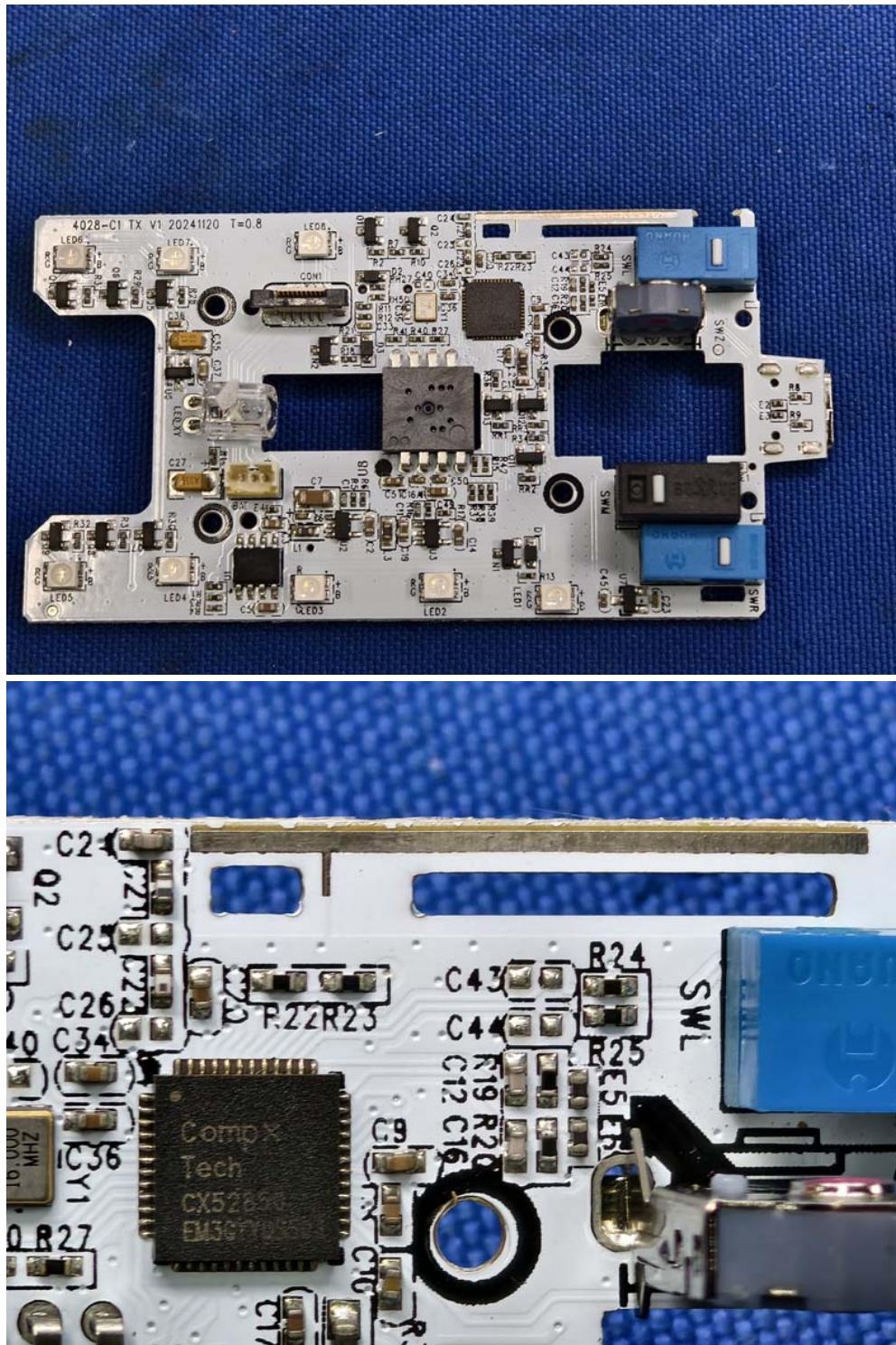
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Inside View



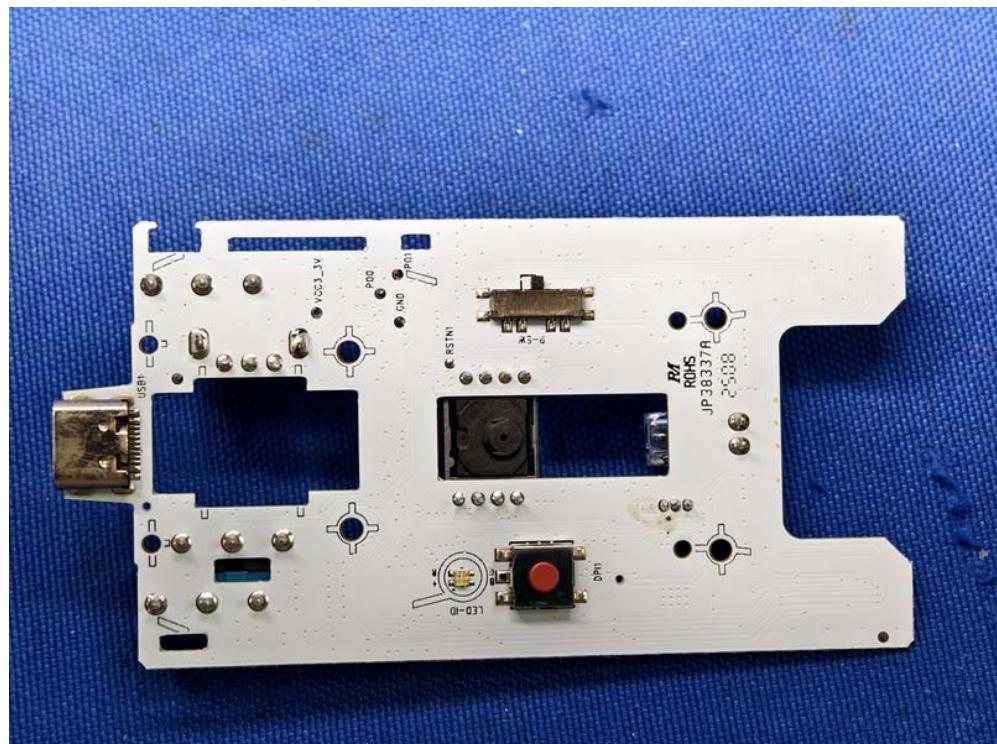
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Inside View



--End of the report--

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