



Report No.: TW2409083E

Applicant: Eastern Times Technology Co., Ltd

Product: WIRED+2.4G DUAL MODE ULTRA LIGHT-WEIGHT
GAMING MOUSE

Model No.: M916-WL Lite, M916W-WL Lite, DS-4022

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

A handwritten signature in black ink that reads "Terry Tang".

Terry Tang

Manager

Dated: September 14, 2024

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

TEST REPORT



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.

Industry Canada (IC) —Registration No.:5205A

The EMC Laboratory has been registered by Certification and Engineering Bureau of Industry Canada 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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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: WIRED+2.4G DUAL MODE ULTRA LIGHT-WEIGHT GAMING MOUSE
Manufacturer: Eastern Times Technology Co., Ltd
Address: Building D, Nan An Industrial Area, Youganpu Village, Fenggang Town, Dongguan City, Guangdong, China.
Trademark: REDRAGON
Model Number: M916-WL Lite
Additional Model Name: M916W-WL Lite, DS-4022
Rating: Input: DC5V, 150mA or DC3.7V, 35mA
Battery: DC3.7V, 400mAh Li-ion battery
Modulation Type: GFSK
Operation Frequency: 2404-2480MHz
Channel List (Unit: MHz): 2404, 2426, 2441, 2463, 2407, 2422, 2445, 2466, 2414, 2436, 2459, 2473, 2419, 2439, 2453, 2480
Hardware Version: 4022-A1 TX V1
Software Version: FA9CH
Serial No.: RDM916-WLLTE24042501209
Antenna Designation: PCB antenna with gain 1.2dBi Max (Get from the antenna specification)

1.4 Submitted Sample: 2 Samples

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1.5 Test Duration

2024-09-10 to 2024-09-14

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: Andy Xing

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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	2024-07-12	2025-07-11
LISN	R&S	EZH3-Z5	100294	2024-07-12	2025-07-11
LISN	R&S	EZH3-Z5	100253	2024-07-12	2025-07-11
Impuls-Begrenzer	R&S	ESH3-Z2	100281	2024-07-12	2025-07-11
Loop Antenna	EMCO	6507	00078608	2022-07-18	2025-07-17
Spectrum	R&S	FSIQ26	100292	2024-07-12	2025-07-11
Horn Antenna	A-INFO	LB-180400-KF	J211060660	2022-07-18	2025-07-17
Horn Antenna	R&S	BBHA 9120D	9120D-631	2022-07-18	2025-07-17
Power meter	Anritsu	ML2487A	6K00003613	2024-07-12	2025-07-11
Power sensor	Anritsu	MA2491A	32263	2024-07-12	2025-07-11
Bilog Antenna	Schwarebeck	VULB9163	9163/340	2022-07-18	2025-07-17
9*6*6 Anechoic	--	--	N/A	2022-07-26	2025-07-25
EMI Test Receiver	RS	ESVB	826156/011	2024-07-12	2025-07-11
EMI Test Receiver	RS	ESCS 30	834115/006	2024-07-12	2025-07-11
Spectrum	HP/Agilent	E4407B	MY50441392	2024-07-12	2025-07-11
Spectrum	RS	FSP	1164.4391.38	2024-07-12	2025-07-11
RF Cable	Zhengdi	ZT26-NJ-NJ-8M/FA	--	2024-07-12	2025-07-11
RF Cable	Zhengdi	7m	--	2024-07-12	2025-07-11
Pre-Amplifier	Schwarebeck	BBV9743	#218	2024-07-12	2025-07-11
Pre-Amplifier	HP/Agilent	8449B	3008A00160	2024-07-12	2025-07-11
LISN	SCHAFFNER	NNB42	00012	2024-07-12	2025-07-11
ESPI Test Receiver	R&S	ESPI 3	100379	2024-07-12	2025-07-11
LISN	R&S	EZH3-Z5	100294	2024-07-12	2025-07-11

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 , ANSI C63.4 :2014 and ANSI C63.10 :2013

4.0 EUT Modification

No modification by SHENZHEN TIMEWAY TESTING LABORATORIES

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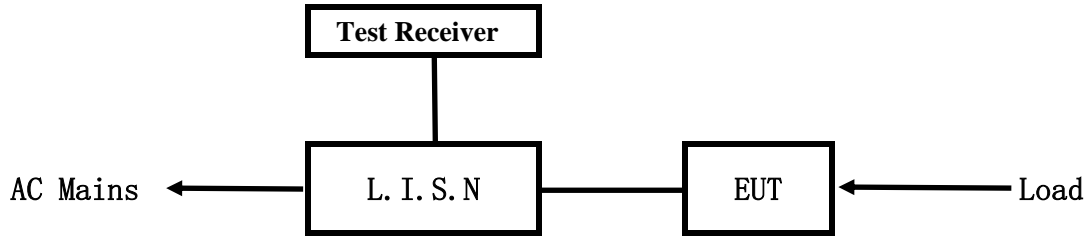
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5. Power Line Conducted Emission Test

5.1 Schematics of the test



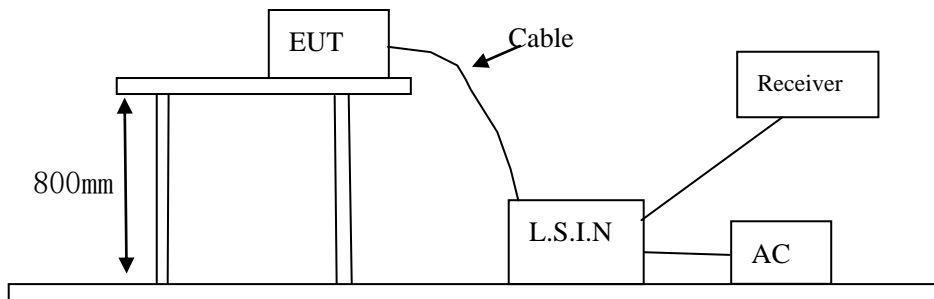
EUT: Equipment Under Test

5.2 Test Method and test Procedure

The EUT was tested according to ANSI C63.4-2014. The Frequency spectrum from 0.15MHz to 30MHz was investigated. The LISN used was 50ohm/50uH as specified by section 5.1 of ANSI C63.4 –2014.

Test Voltage: 120V~, 60Hz

Block diagram of Test setup



5.3 Configuration of the EUT

The EUT was configured according to ANSI C63.4-2014. 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
WIRED+2.4G DUAL MODE ULTRA LIGHT-WEIGHT GAMING MOUSE	Eastern Times Technology Co., Ltd	M916-WL Lite, M916W-WL Lite, DS-4022	TUVDS-4022A

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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

5.4 EUT Operating Condition

Operating condition is according to ANSI C63.4 -2014

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	Ave ag Level
0.15 ~ 0.50	66.0~56.0*	56.0~46.0*
0.50 ~ 5.00	56.0	46.0
5.00 ~ 0.00	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)

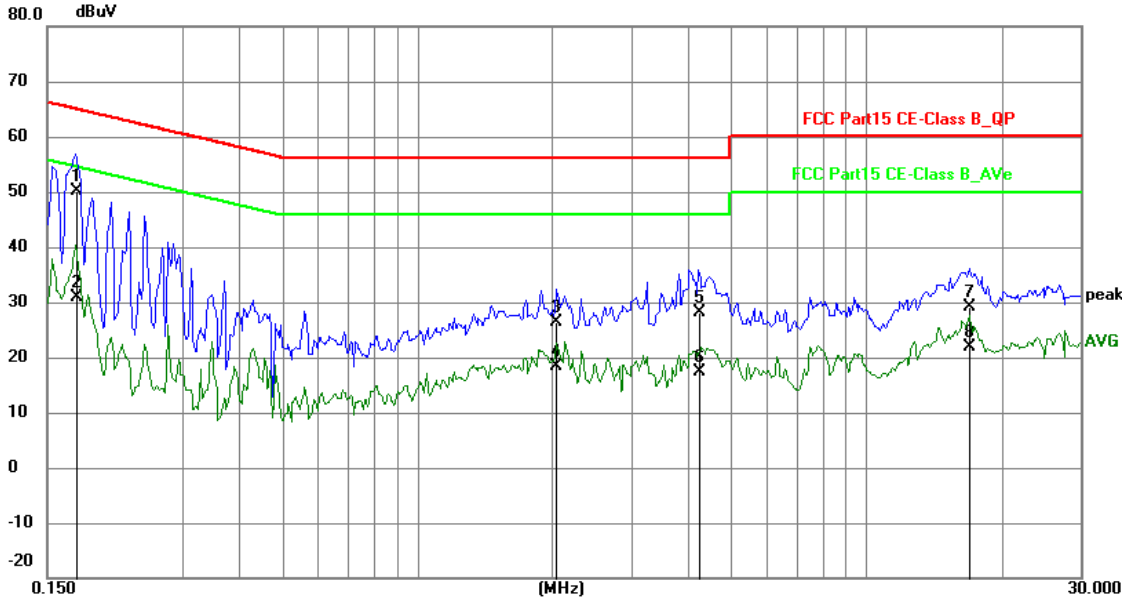
EUT Operating Environment

Temperature: 26°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	0.1734	40.40	9.77	50.17	64.80	-14.63	QP	P
2	0.1734	21.09	9.77	30.86	54.80	-23.94	AVG	P
3	2.0415	16.52	9.80	26.32	56.00	-29.68	QP	P
4	2.0415	8.63	9.80	18.43	46.00	-27.57	AVG	P
5	4.2363	18.21	9.90	28.11	56.00	-27.89	QP	P
6	4.2363	7.48	9.90	17.38	46.00	-28.62	AVG	P
7	16.9814	18.55	10.50	29.05	60.00	-30.95	QP	P
8	16.9814	11.33	10.50	21.83	50.00	-28.17	AVG	P

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

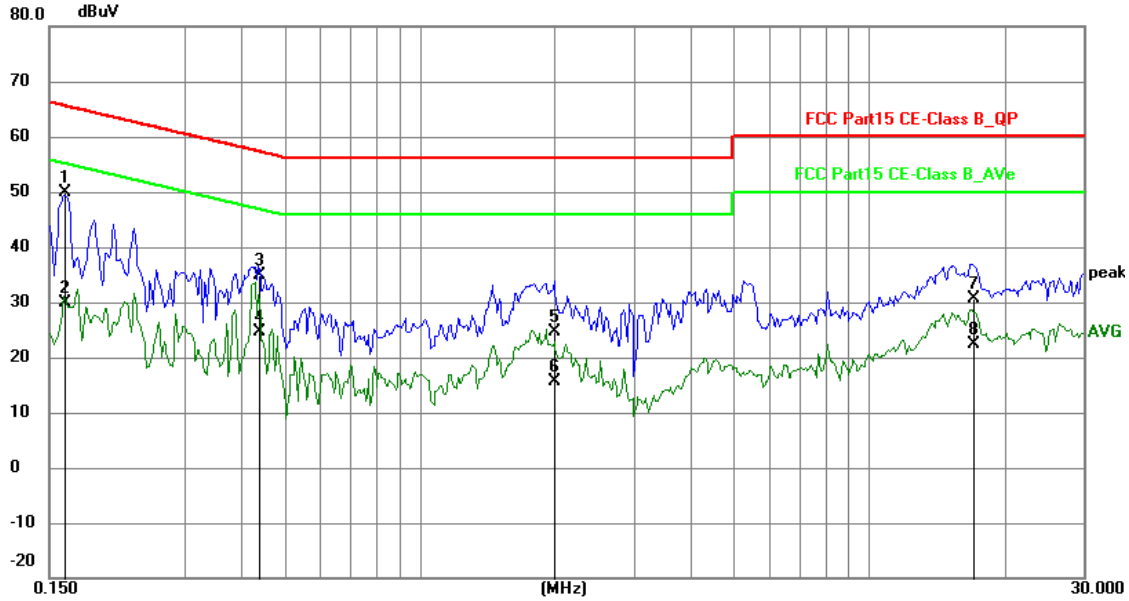
EUT Operating Environment

Temperature: 26°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	0.1617	40.07	9.78	49.85	65.38	-15.53	QP	P
2	0.1617	20.17	9.78	29.95	55.38	-25.43	AVG	P
3	0.4386	25.14	9.77	34.91	57.09	-22.18	QP	P
4	0.4386	14.83	9.77	24.60	47.09	-22.49	AVG	P
5	1.9908	14.71	9.80	24.51	56.00	-31.49	QP	P
6	1.9908	5.73	9.80	15.53	46.00	-30.47	AVG	P
7	17.0478	20.19	10.50	30.69	60.00	-29.31	QP	P
8	17.0478	11.95	10.50	22.45	50.00	-27.55	AVG	P

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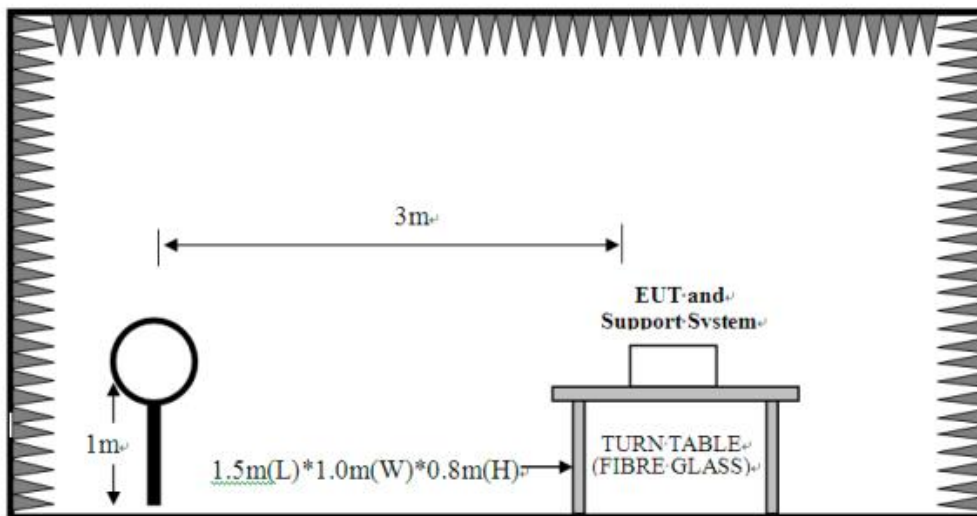
6 Radiated Emission Test

6.1 Test Method and test Procedure:

- (1) The EUT was tested according to ANSI C63.10-2013. 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 C63.10-2013.
- (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=5MHz, 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

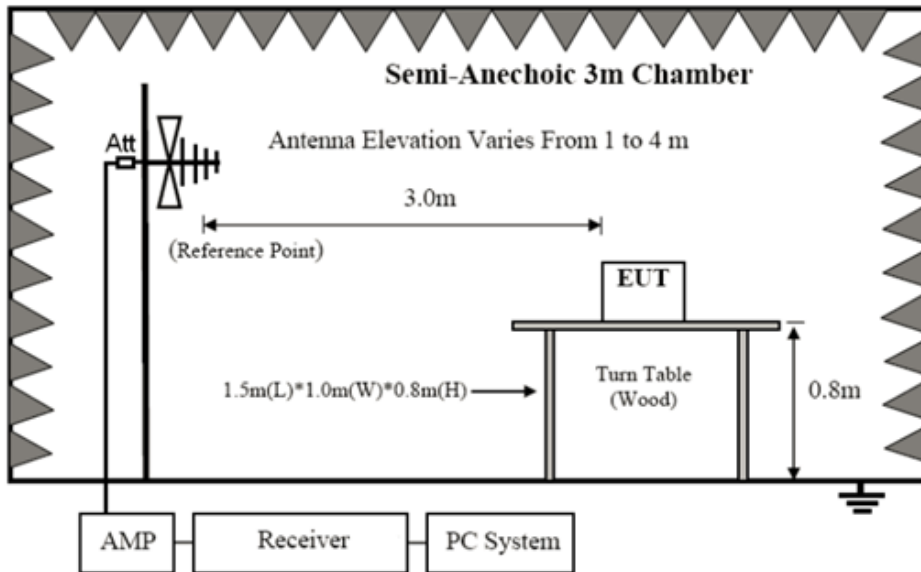


For radiated emissions from 30MHz to 1GHz

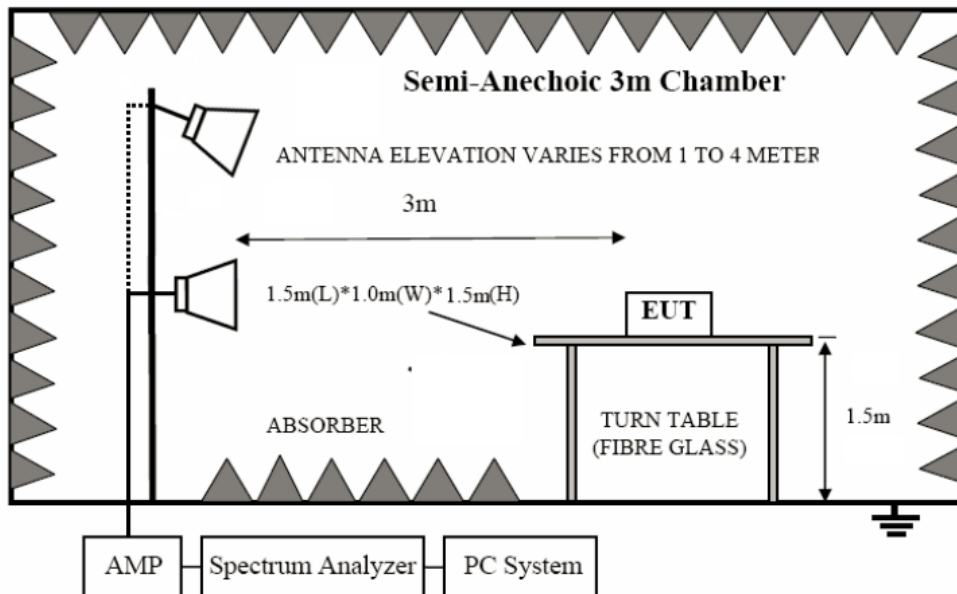
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For radiated emissions above 1GHz



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:

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
30-80	3	40.0
88-216	3	43.5
21 -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. 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 during tests.

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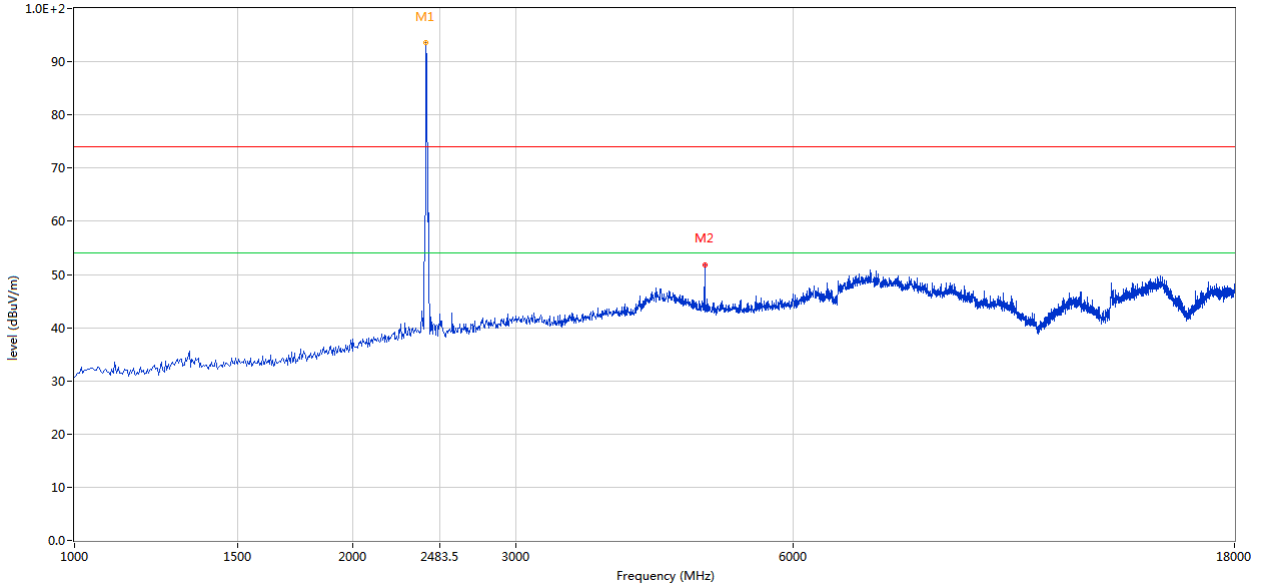
6.5 Test result

A Fundamental & Harmonics Radiated Emission Data

Please refer to the following test plots for details: Low Channel-2404MHz

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	2404	93.63	-3.57	114.0	-20.37	Peak	195.00	200	Horizontal	Pass
2	4807.048	51.82	3.13	74.0	-22.18	Peak	234.00	200	Horizontal	Pass

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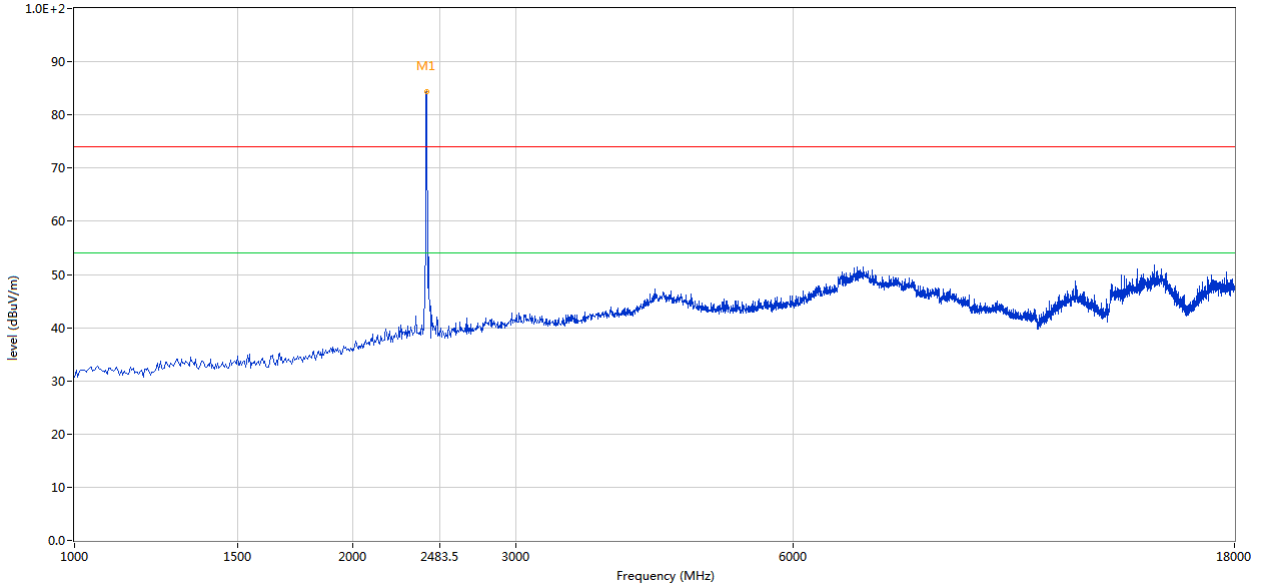
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Vertical

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	2404	84.30	-3.57	114.0	-29.70	Peak	266.00	200	Vertical	Pass

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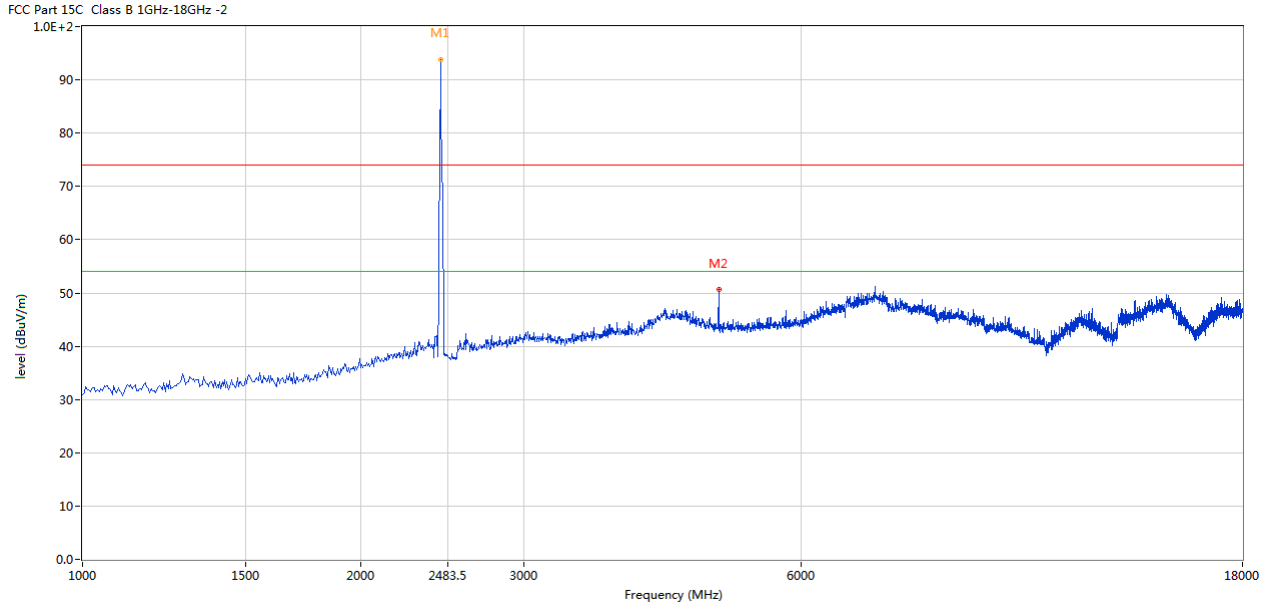
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Please refer to the following test plots for details: Middle Channel-2441MHz

Horizontal



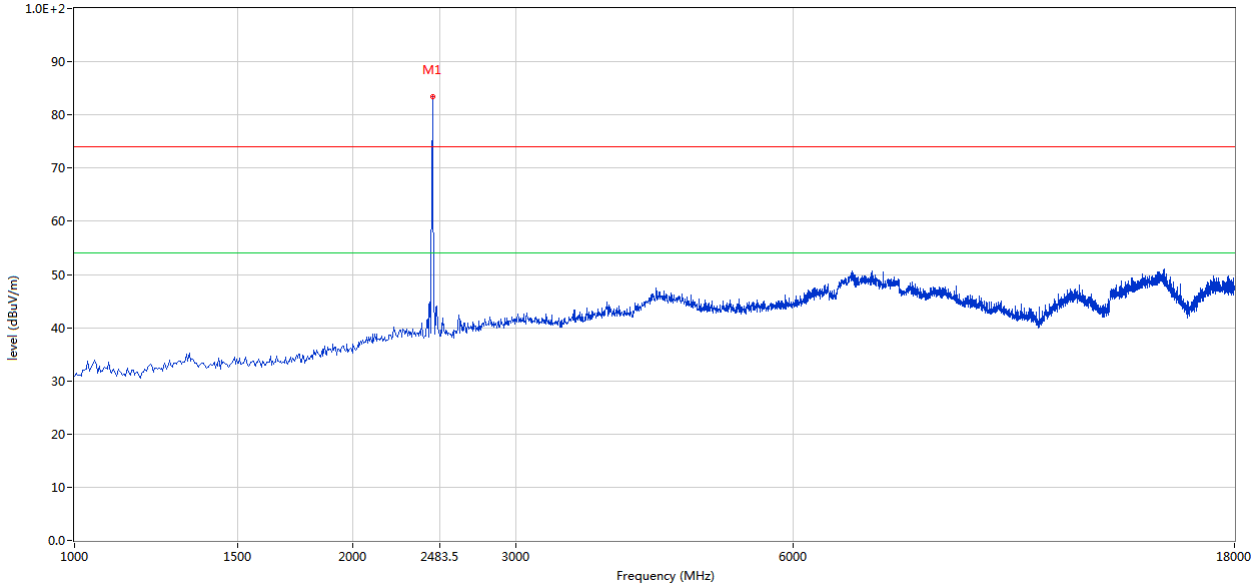
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1	2441	93.80	-3.57	114.0	-20.20	Peak	220.00	200	Horizontal	Pass
2	4879.280	50.60	3.20	74.0	-23.40	Peak	230.00	200	Horizontal	Pass

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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	83.49	-3.57	114.0	-30.51	Peak	272.00	200	Vertical	Pass

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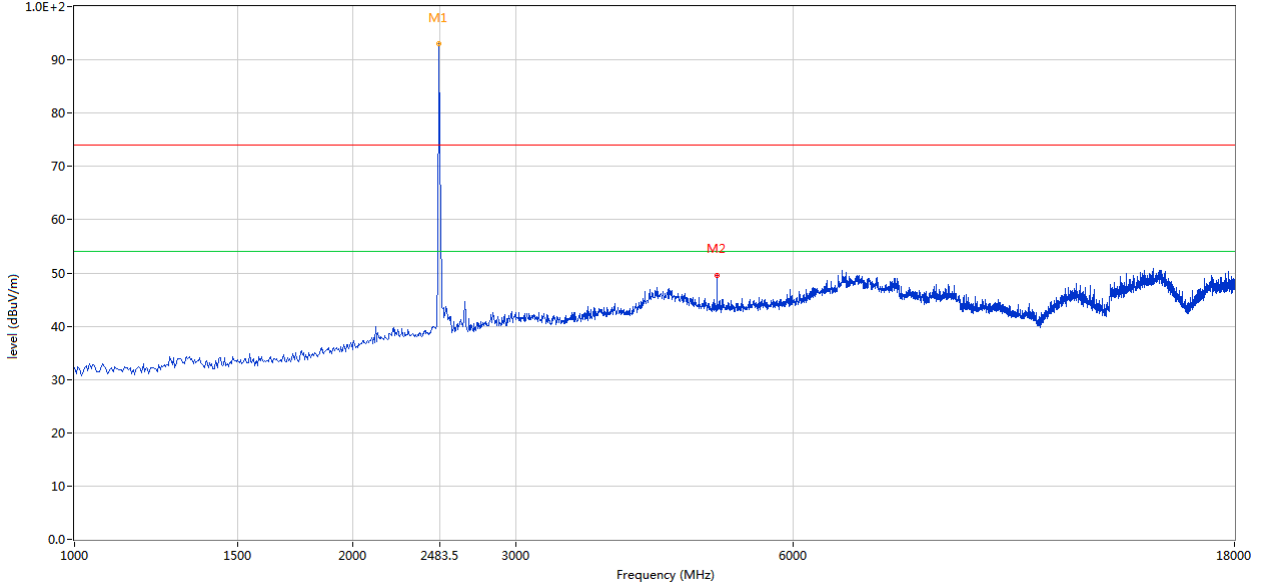
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Please refer to the following test plots for details: High Channel-2480MHz

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	2480	93.12	-3.57	114.0	-20.88	Peak	176.00	200	Horizontal	Pass
2	4960.010	49.59	3.36	74.0	-24.41	Peak	224.00	200	Horizontal	Pass

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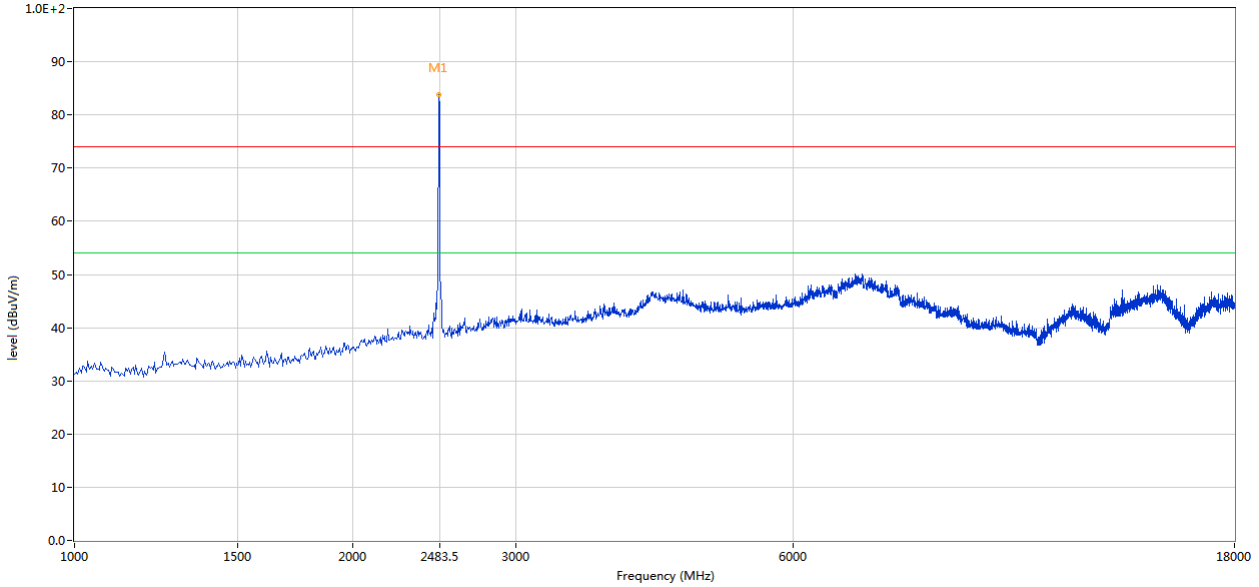
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Vertical

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	2480	83.75	-3.57	114.0	-30.25	Peak	132.00	200	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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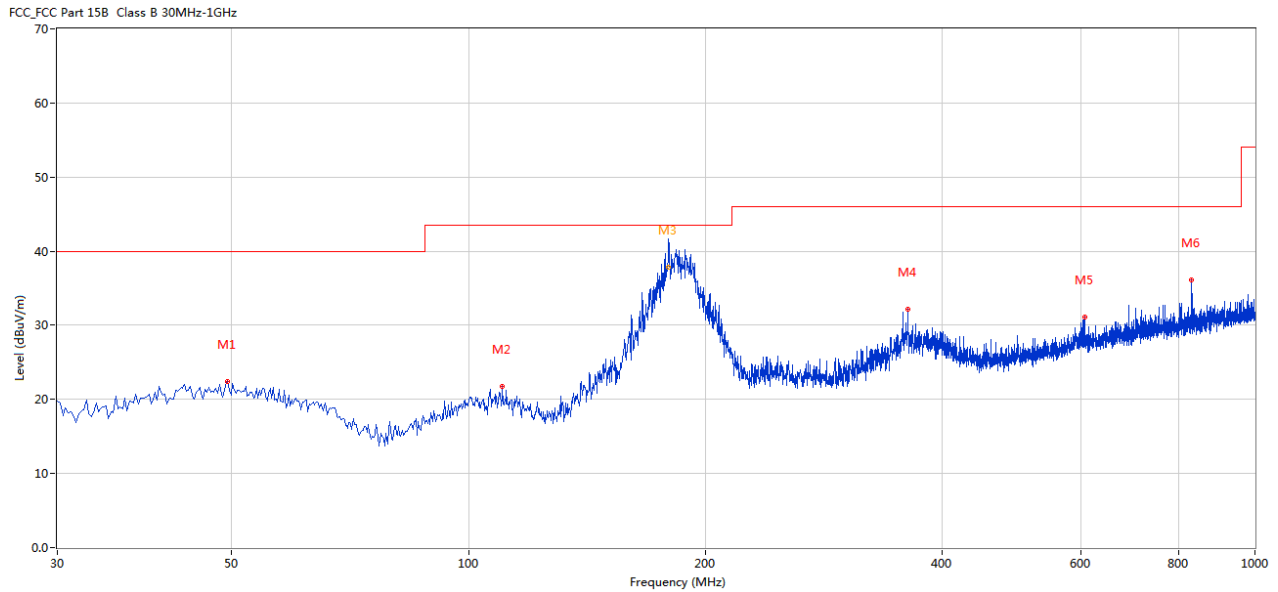


B. General Radiated Emission Data
Radiated Emission In Horizontal (30MHz----1000MHz)

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	49.395	22.44	-11.28	40.0	17.56	Peak	185.00	100	Horizontal	Pass
2	110.490	21.72	-13.63	43.5	21.78	Peak	93.00	100	Horizontal	Pass
3*	179.585	37.78	-15.36	43.5	5.72	QP	254.00	100	Horizontal	Pass
4	361.900	32.21	-9.50	46.0	13.79	Peak	360.00	100	Horizontal	Pass
5	607.976	31.15	-5.05	46.0	14.85	Peak	271.00	100	Horizontal	Pass
6	829.565	36.16	-2.89	46.0	9.84	Peak	20.00	100	Horizontal	Pass

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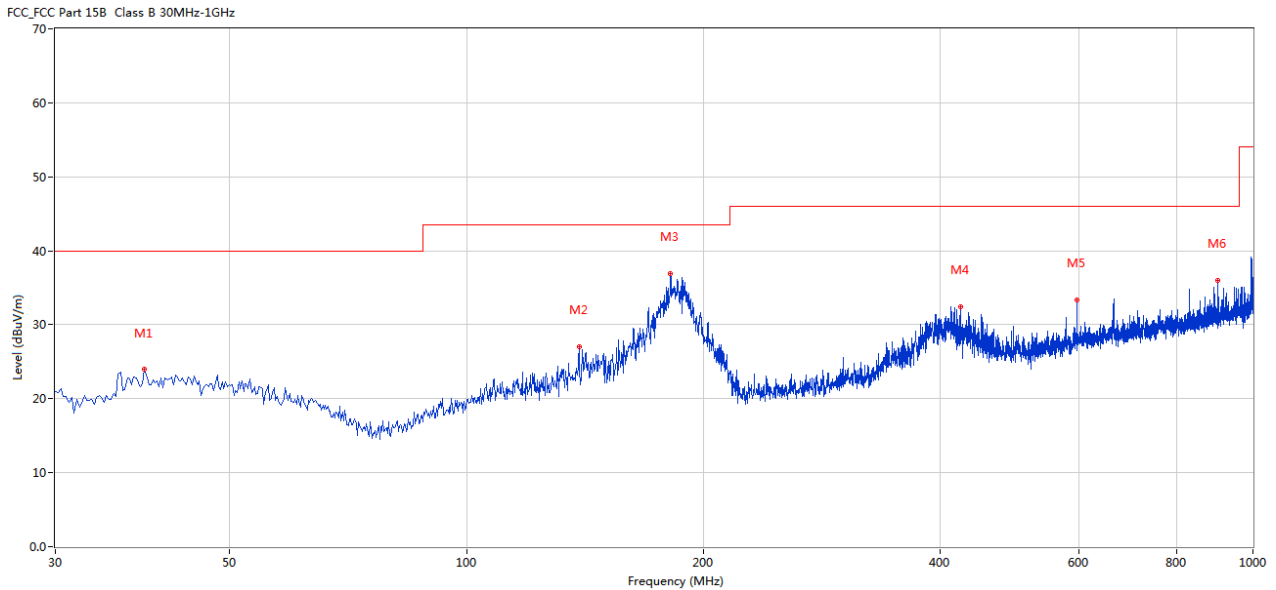


Radiated Emission In Vertical (30MHz----1000MHz)

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	38.970	23.93	-12.59	40.0	16.07	Peak	259.00	100	Vertical	Pass
2	139.098	27.03	-17.21	43.5	16.47	Peak	230.00	100	Vertical	Pass
3	181.767	36.95	-15.05	43.5	6.55	Peak	252.00	100	Vertical	Pass
4	424.934	32.43	-8.20	46.0	13.57	Peak	350.00	100	Vertical	Pass
5	597.308	33.37	-5.09	46.0	12.63	Peak	357.00	100	Vertical	Pass
6	902.054	36.02	-2.02	46.0	9.98	Peak	338.00	100	Vertical	Pass

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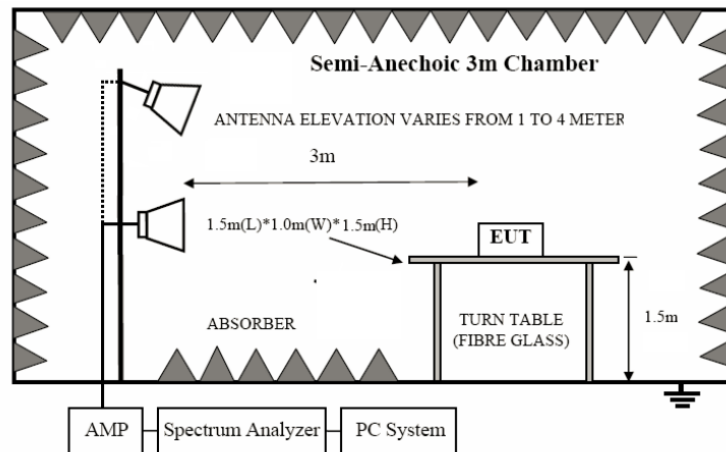


7. Band Edge

7.1 Test Method and test Procedure:

- (1) The EUT was tested according to ANSI C63.10–2013. 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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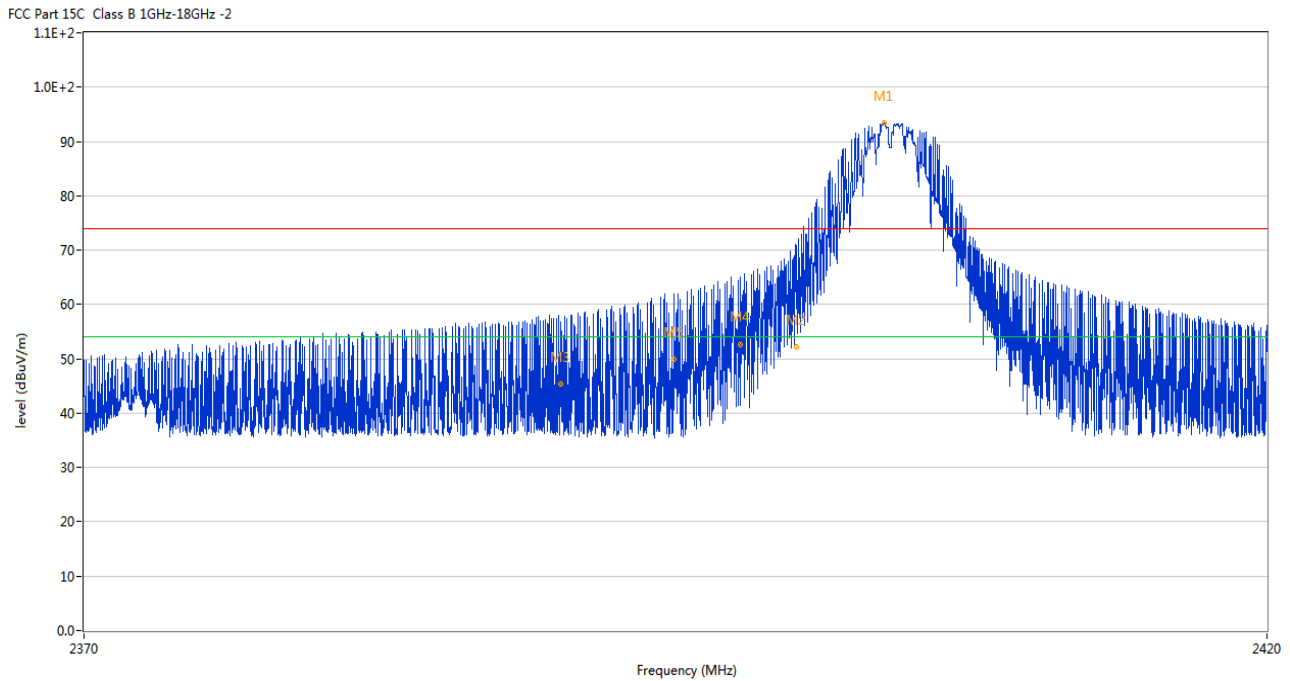
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7.6 Test Result

Product:	WIRED+2.4G DUAL MODE ULTRA LIGHT-WEIGHT GAMING MOUSE	Polarity	Horizontal
Mode	Keeping Transmitting	Test Voltage	DC3.7V
Temperature	24 deg. C,	Humidity	56% RH
Test Result:	Pass	--	--



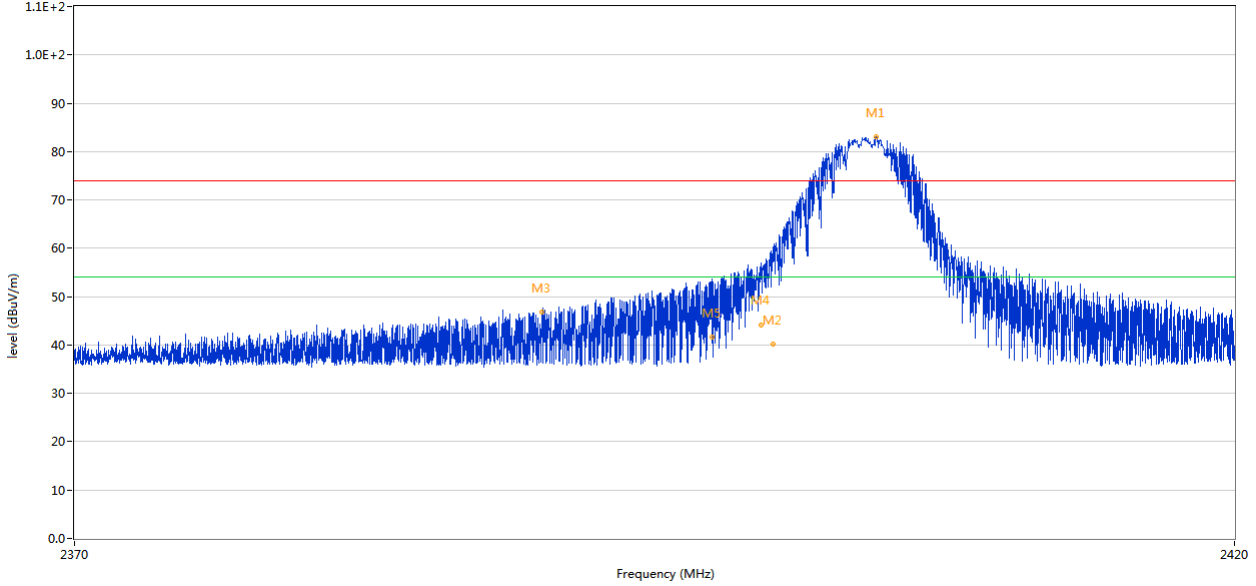
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1	2403.692	93.41	-3.57	74.0	19.41	Peak	217.00	200	Horizontal	N/A
2	2400.000	71.12	-3.57	74.0	-2.88	Peak	190.00	200	Horizontal	Pass
2**	2400.000	52.16	-3.57	54.0	-1.84	AV	190.00	200	Horizontal	Pass
3	2390.000	56.59	-3.53	74.0	-17.41	Peak	100.58	200	Horizontal	Pass
3**	2390.000	45.31	-3.53	54.0	-8.69	AV	100.58	200	Horizontal	Pass
4	2397.631	65.15	-3.56	74.0	-8.85	Peak	210.00	200	Horizontal	Pass
4**	2397.631	52.72	-3.56	54.0	-1.28	AV	210.00	200	Horizontal	Pass
5	2394.819	61.99	-3.55	74.0	-12.01	Peak	210.00	200	Horizontal	Pass
5**	2394.819	49.93	-3.55	54.0	-4.07	AV	210.00	200	Horizontal	Pass

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Product:	WIRED+2.4G DUAL MODE ULTRA LIGHT-WEIGHT 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
 1.1E+2



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1	2404.454	83.03	-3.57	74.0	9.03	Peak	254.00	200	Vertical	N/A
2	2400.000	58.95	-3.57	74.0	-15.05	Peak	123.00	200	Vertical	Pass
2**	2400.000	40.22	-3.57	54.0	-13.78	AV	123.00	200	Vertical	Pass
3	2390.000	46.82	-3.53	74.0	-27.18	Peak	253.08	200	Vertical	Pass
4	2399.455	57.06	-3.57	74.0	-16.94	Peak	254.00	200	Vertical	Pass
4**	2399.455	44.22	-3.57	54.0	-9.78	AV	254.00	200	Vertical	Pass
5	2397.331	53.63	-3.56	74.0	-20.37	Peak	123.00	200	Vertical	Pass
5**	2397.331	41.71	-3.56	54.0	-12.29	AV	123.00	200	Vertical	Pass

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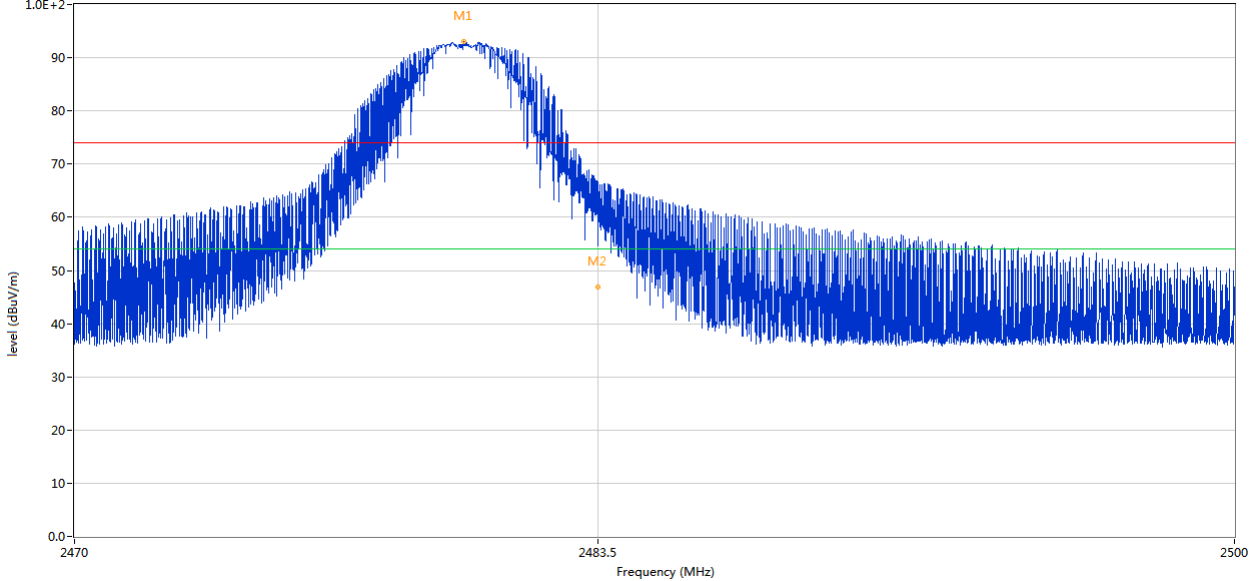
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Product:	WIRED+2.4G DUAL MODE ULTRA LIGHT-WEIGHT GAMING MOUSE	Polarity	Horizontal
Mode	Keeping Transmitting	Test Voltage	DC3.7V
Temperature	24 deg. C,	Humidity	56% RH
Test Result:	Pass	--	--

FCC Part 15C Class B 1GHz-18GHz -2
 1.0E+2



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1	2480.040	92.96	-3.57	74.0	18.96	Peak	189.00	200	Horizontal	N/A
2	2483.500	66.26	-3.57	74.0	-7.74	Peak	153.57	200	Horizontal	Pass
2**	2483.500	46.88	-3.57	54.0	-7.12	AV	153.57	200	Horizontal	Pass

The report refers only to the sample tested and does not apply to the bulk.

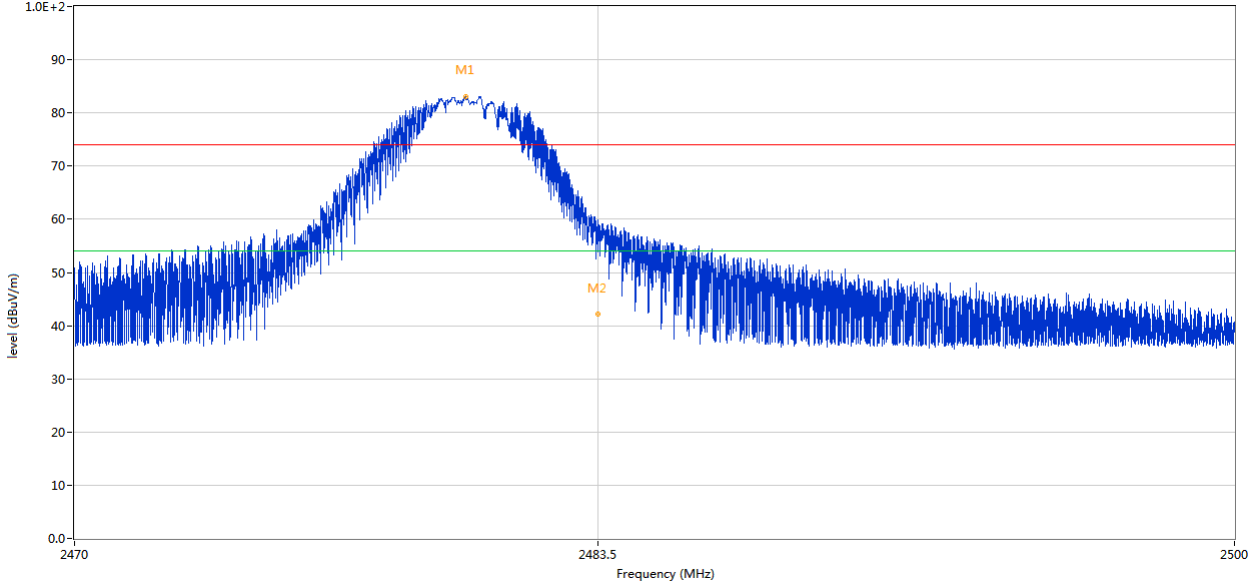
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Product:	WIRED+2.4G DUAL MODE ULTRA LIGHT-WEIGHT GAMING MOUSE	Detector	Vertical
Mode	Keeping Transmitting	Test Voltage	DC3.7V
Temperature	24 deg. C,	Humidity	56% RH
Test Result:	Pass	--	--

FCC Part 15C Class B 1GHz-18GHz -2
 1.0E+2



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1	2480.070	83.06	-3.57	74.0	9.06	Peak	287.00	200	Vertical	N/A
2	2483.500	60.41	-3.57	74.0	-13.59	Peak	316.71	200	Vertical	Pass
2**	2483.500	42.27	-3.57	54.0	-11.73	AV	316.71	200	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. The antenna gain is 1.2dBi Max. It fulfills the requirement of this section.
Test Result: Pass

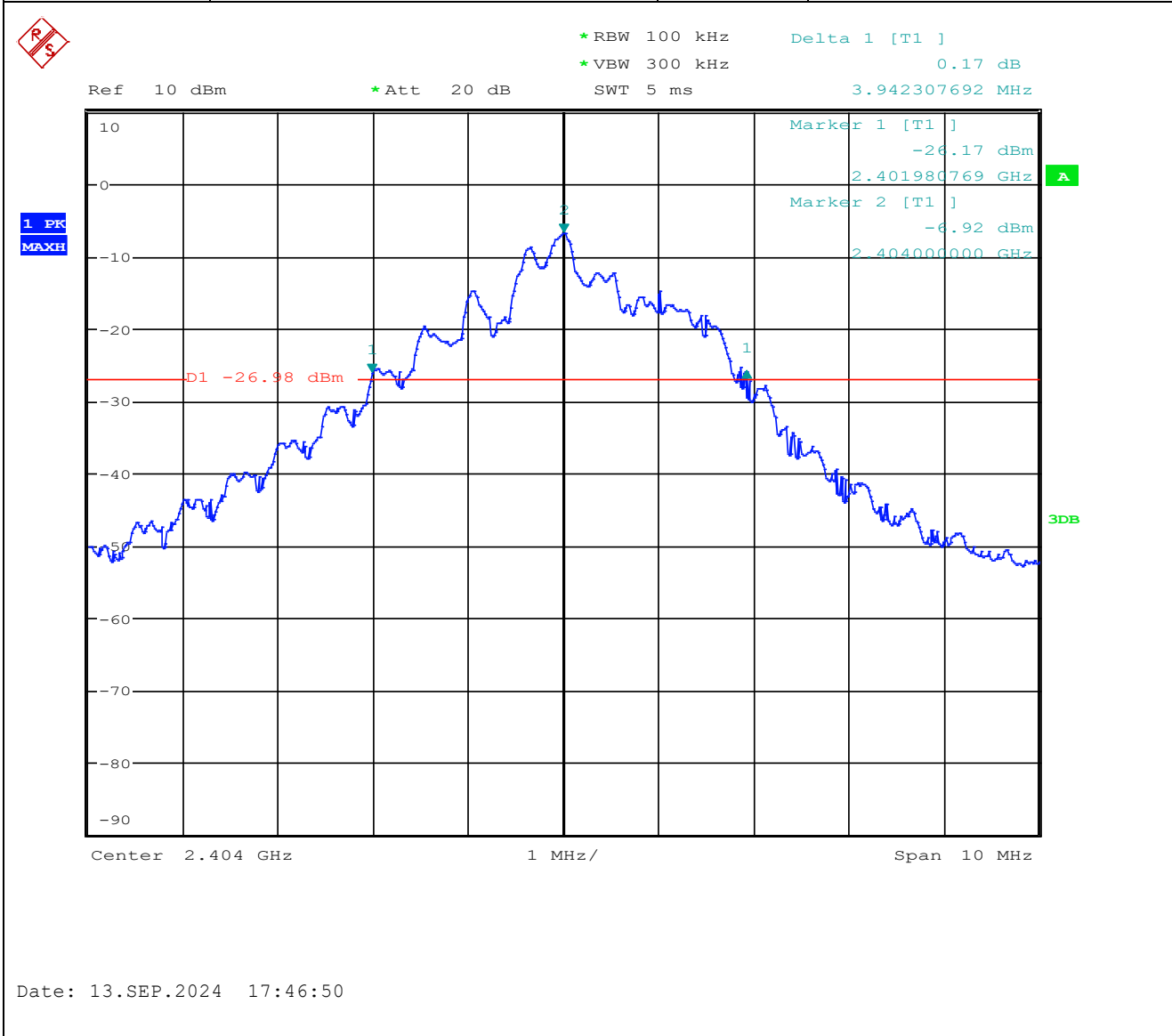
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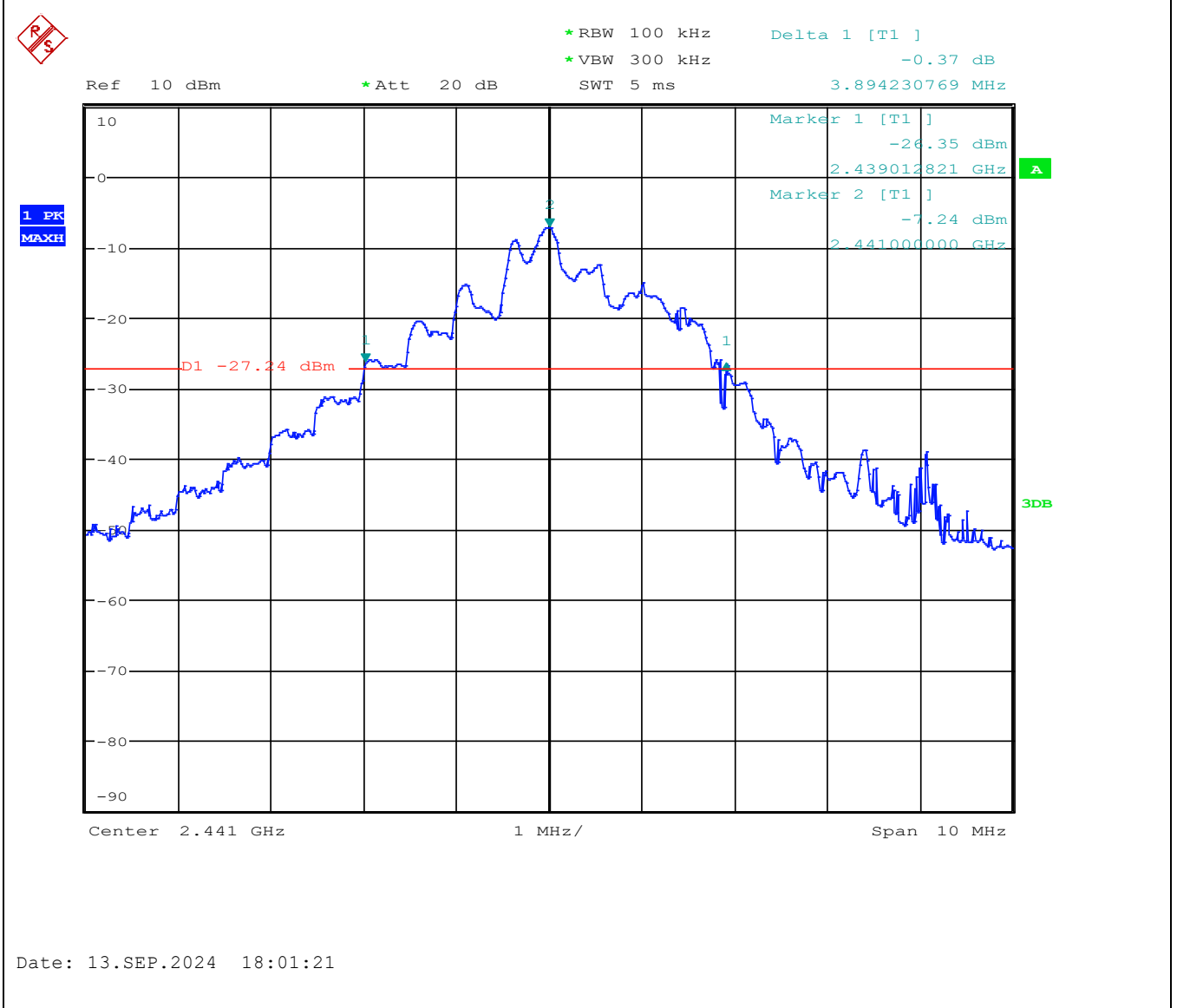
9.0 20dB Bandwidth Measurement			
Product:	WIRED+2.4G DUAL MODE ULTRA LIGHT-WEIGHT GAMING MOUSE	Test Mode:	Keep transmitting
Mode	Keeping Transmitting	Test Voltage	DC3.7V
Temperature	24 deg. C,	Humidity	56% RH
Test Result:	Pass	Detector	PK
20dB Bandwidth	3.942 MHz	--	--



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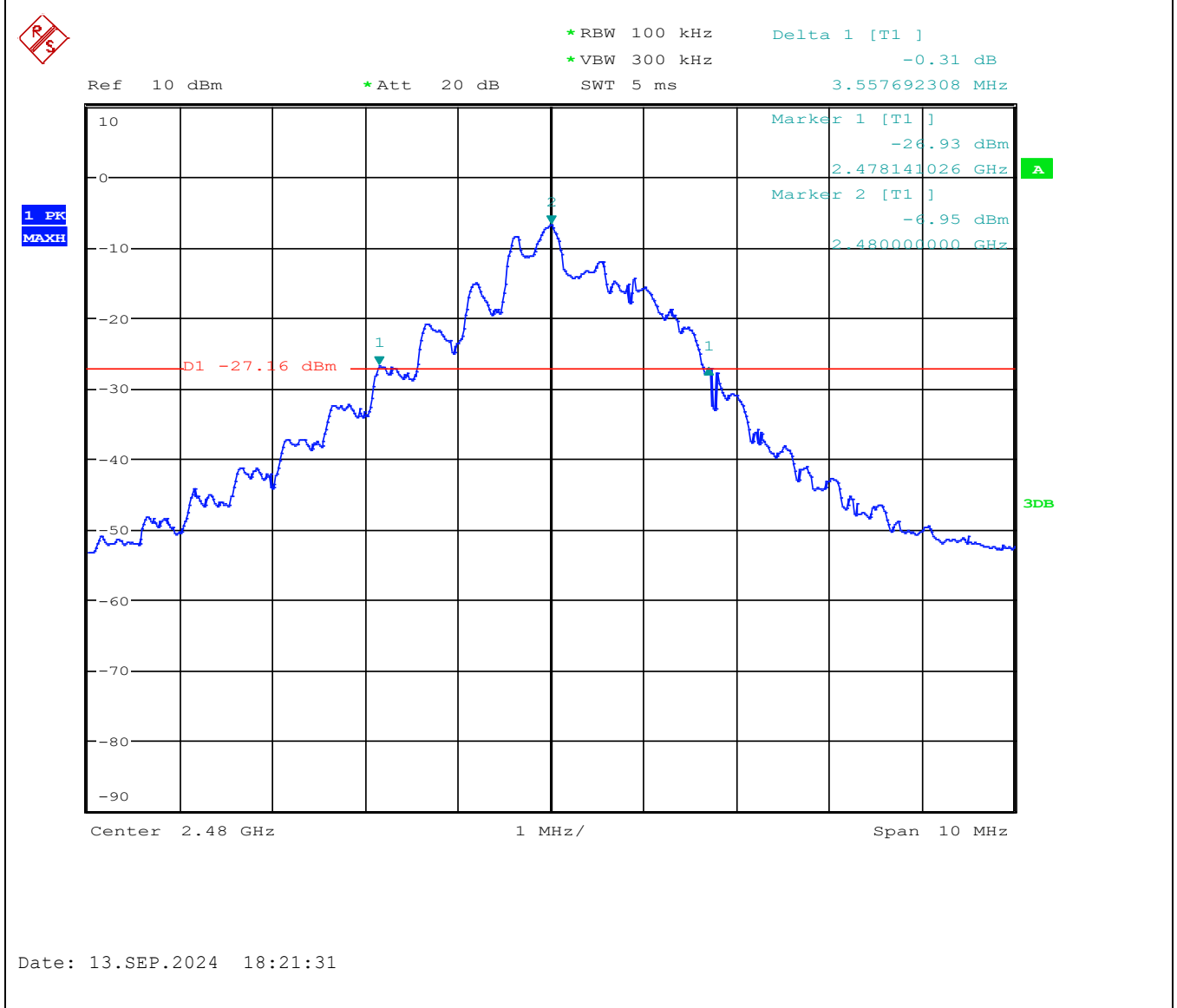
Product:	WIRED+2.4G DUAL MODE ULTRA LIGHT-WEIGHT GAMING MOUSE	Test Mode:	Keep transmitting
Mode	Keeping Transmitting	Test Voltage	DC3.7V
Temperature	24 deg. C,	Humidity	56% RH
Test Result:	Pass	Detector	PK
20dB Bandwidth	3.894MHz	--	--



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Product:	WIRED+2.4G DUAL MODE ULTRA LIGHT-WEIGHT 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	3.558MHz	--	--



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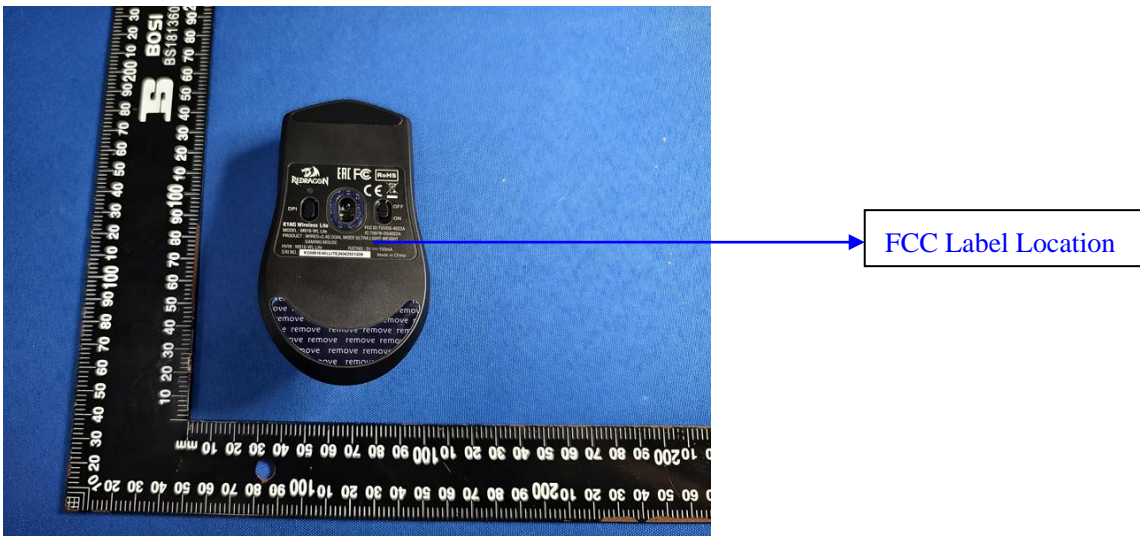


10.0 FCC ID Label

FCC ID: TUVDS-4022A

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--



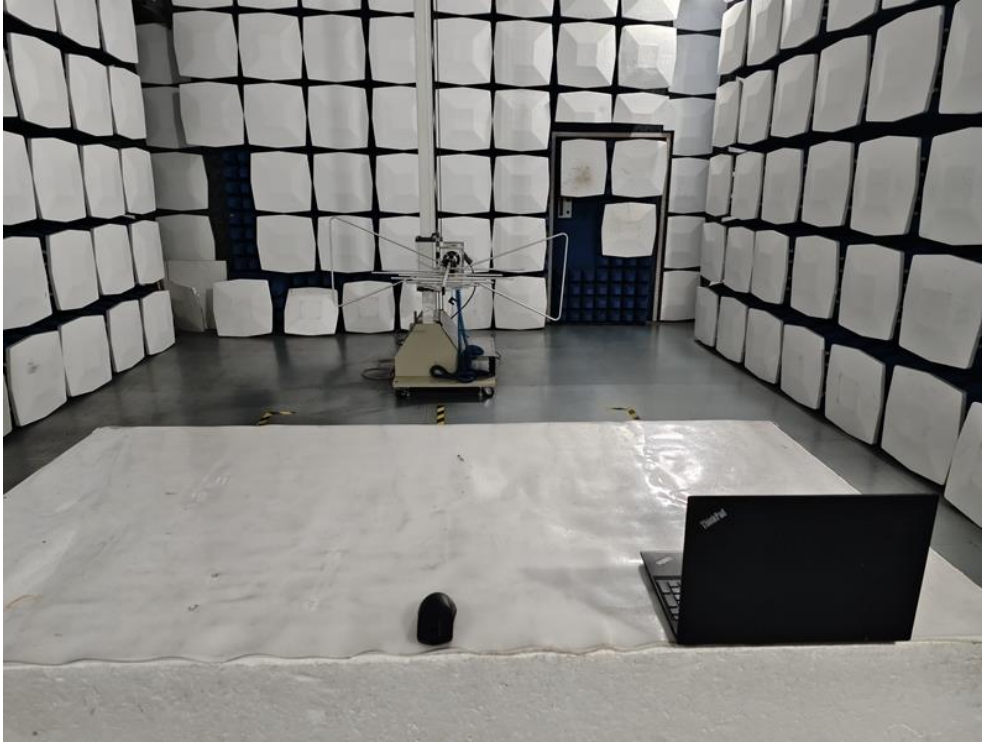
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Radiated emission test view



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11.2

Outside View-Mouse



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Outside View-Mouse



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Outside View-Mouse



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Outside View -Mouse

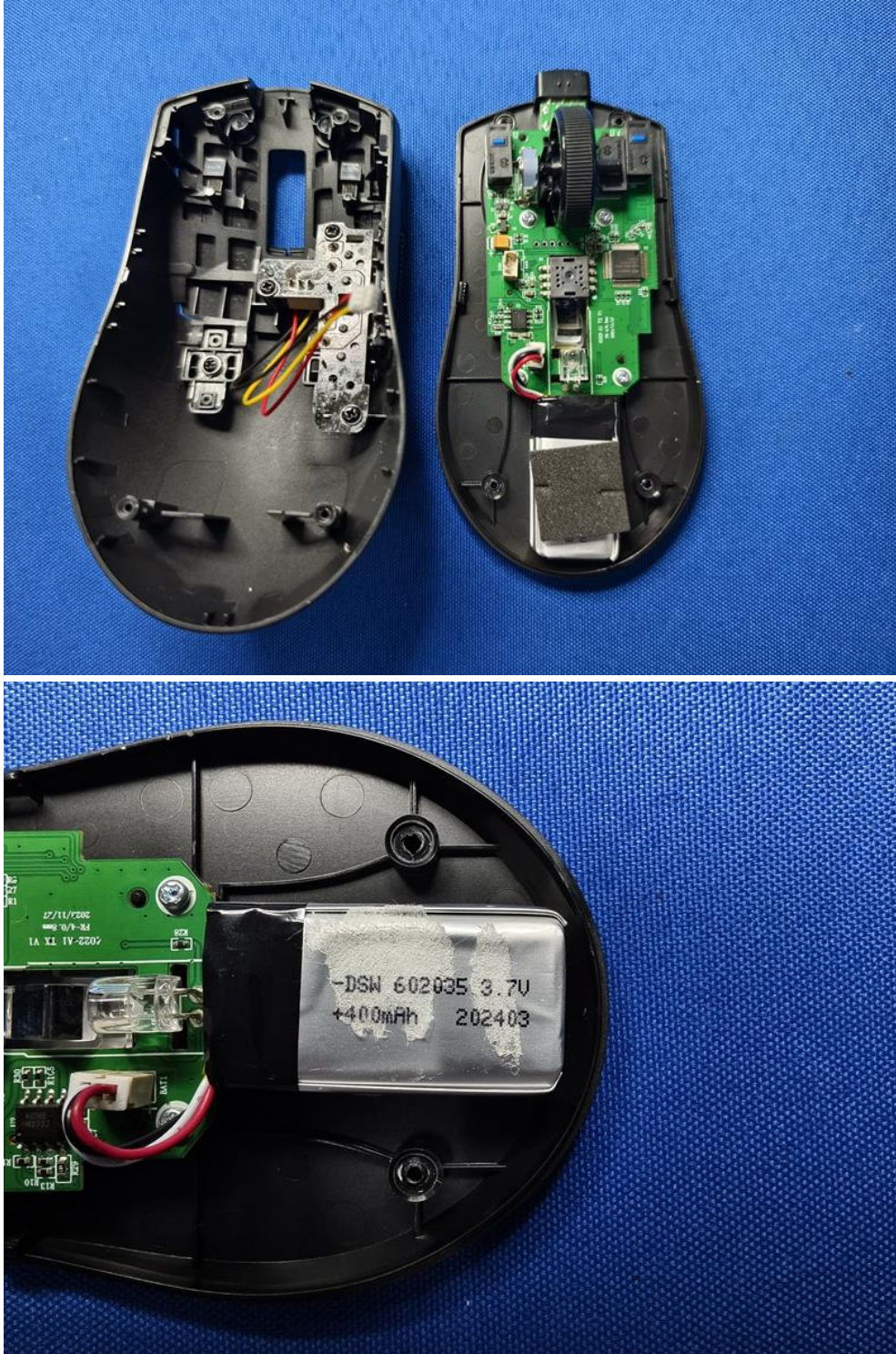


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Inside View-Mouse

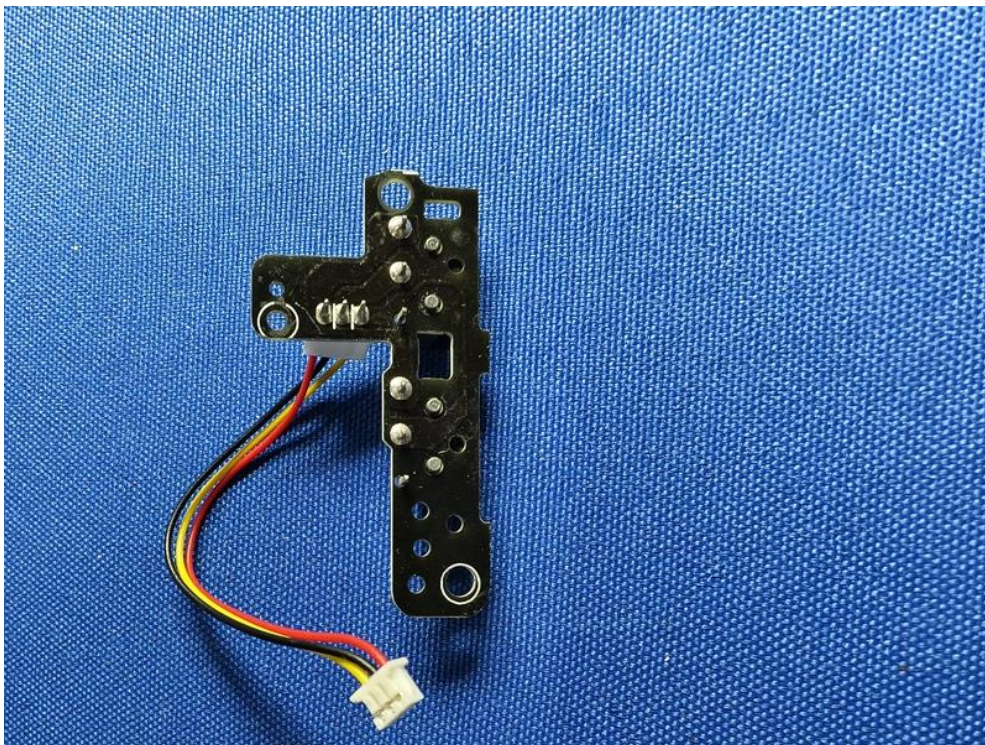
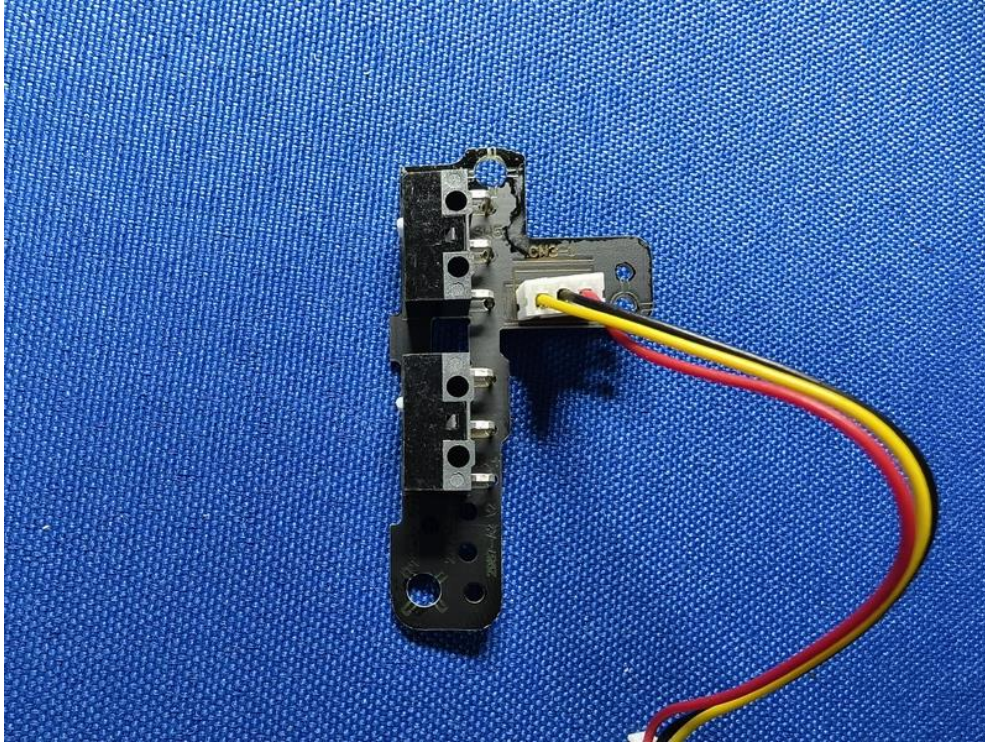


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Inside View-Mouse



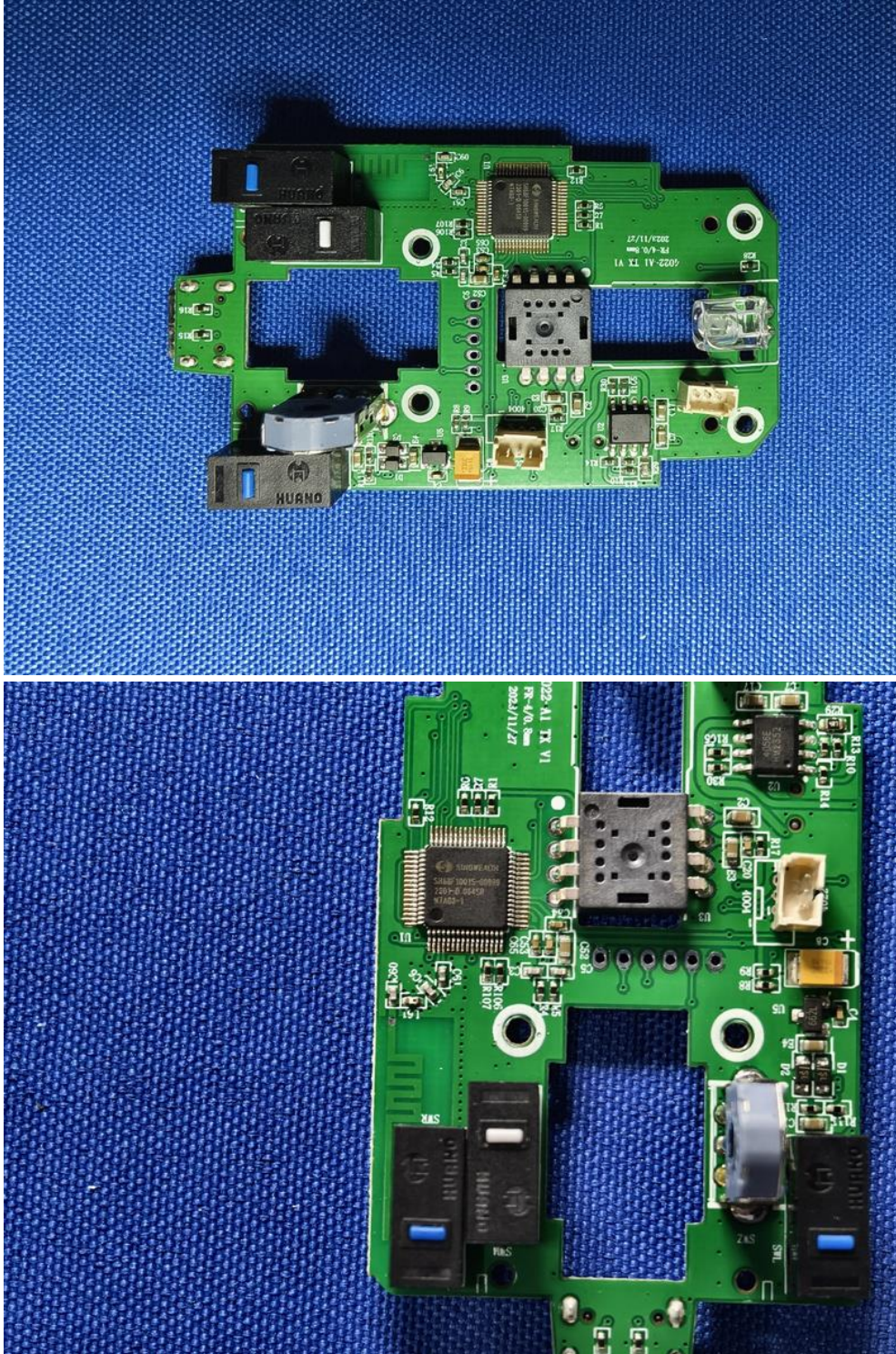
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Inside View-Mouse



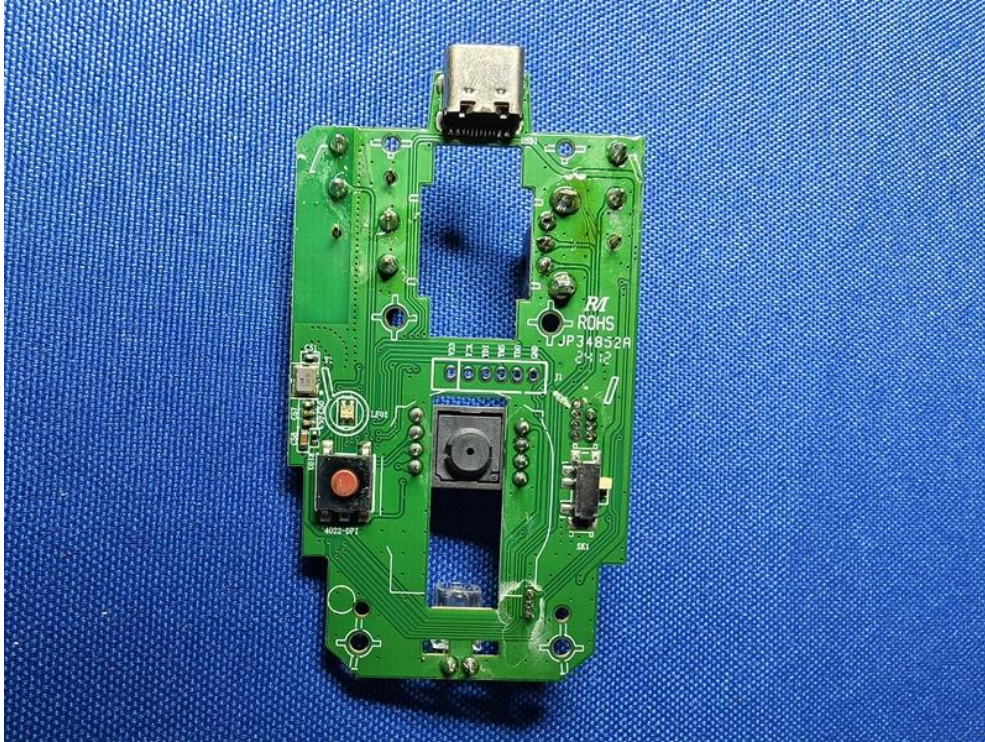
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Inside View-Mouse



--End of the Report--

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