

Appendix B: Test Results

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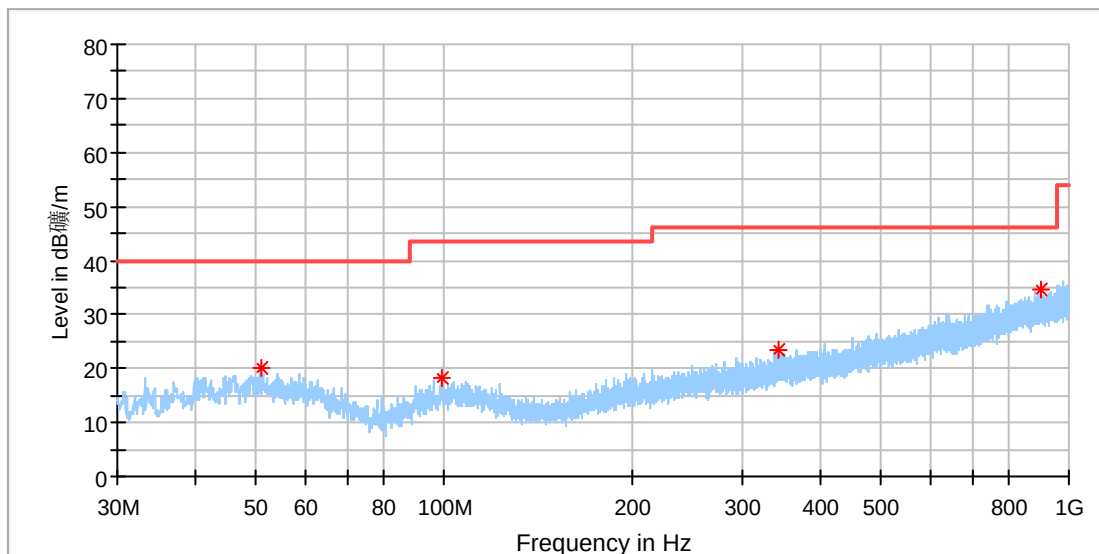
Appendix B.1: Test Results of Field strength of fundamental & harmonics

Note: The testing was carried out within frequency range 9kHz to the tenth harmonics. The measurement results below 30MHz and 18GHz to 26.5GHz were greater than 20dB below the limit, so only the radiated spurious emissions from 30MHz to 18GHz were reported.

30MHz - 1GHz
Model MG880F

EUT Information

EUT Name:	Lenovo Wireless Gaming Mouse
Model:	MG880F
Test Mode:	Low channel
Order No/Sample No:	168363715/A003252373-004
Test Voltage:	Battery
Remark:	Temp 22 Humi:52%
Test Standard:	FCC 15.249
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

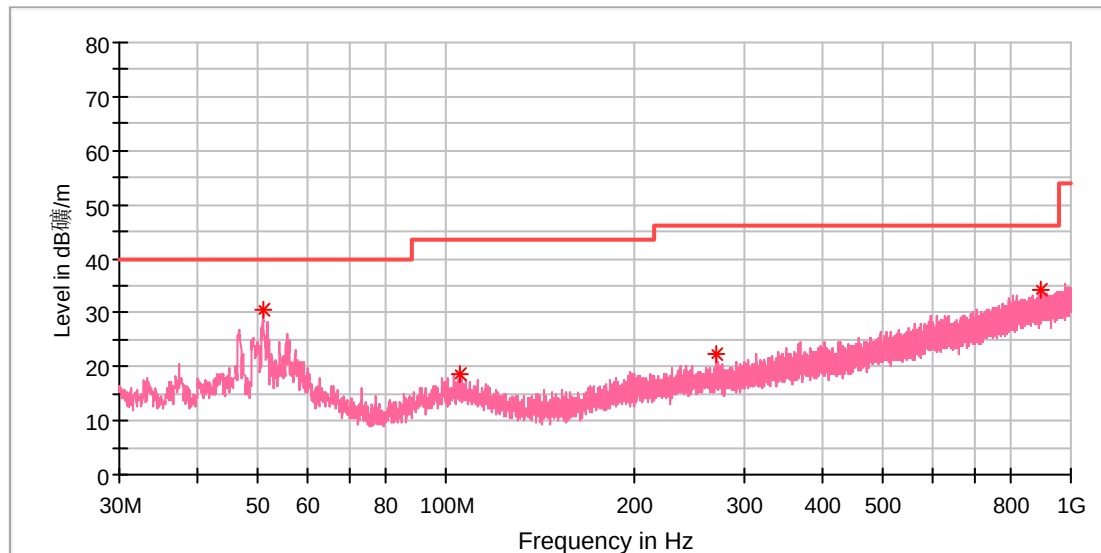


Critical Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
50.903500	20.00	40.00	20.00	100.0	H	0.0	-18.3
99.355000	18.11	43.50	25.39	100.0	H	265.0	-19.1
342.485500	23.55	46.00	22.45	100.0	H	110.0	-14.9
901.739000	34.75	46.00	11.25	100.0	H	126.0	-5.0

EUT Information

EUT Name: Lenovo Wireless Gaming Mouse
Model: MG880F
Test Mode: Low channel
Order No/Sample No: 168363715/A003252373-004
Test Voltage: Battery
Remark: Temp 22 Humi:52%
Test Standard: FCC 15.249
Tested By: Kei Zhang
Reviewed By: Terry Yin

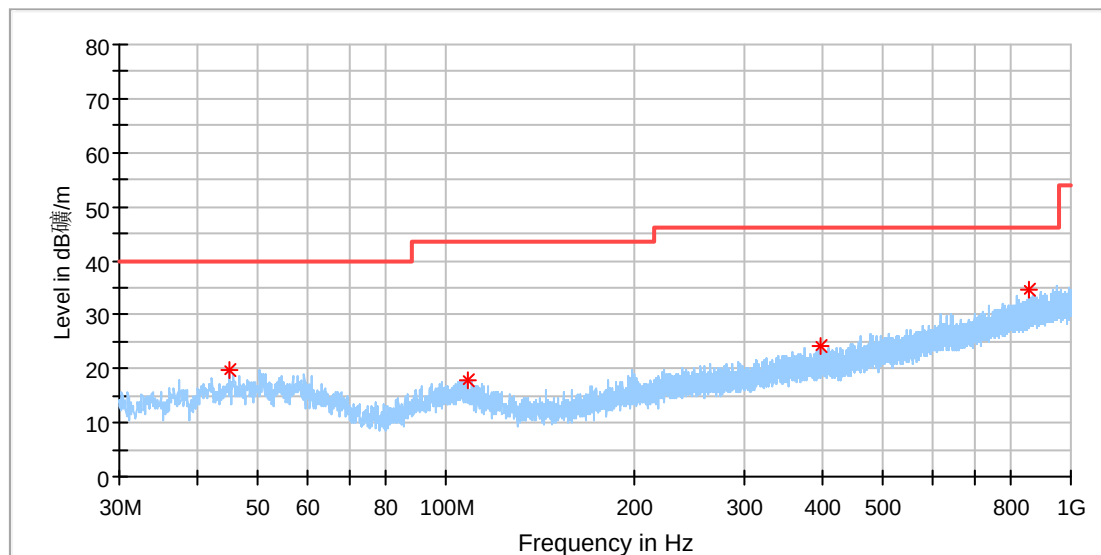


Critical Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
51.000500	30.62	40.00	9.38	100.0	V	176.0	-18.3
105.272000	18.75	43.50	24.75	100.0	V	103.0	-18.8
270.899500	22.44	46.00	23.56	100.0	V	151.0	-16.9
891.990500	34.08	46.00	11.92	100.0	V	270.0	-5.0

EUT Information

EUT Name: Lenovo Wireless Gaming Mouse
Model: MG880F
Test Mode: High channel
Order No/Sample No: 168363715/A003252373-004
Test Voltage: Battery
Remark: Temp 22 Humi:52%
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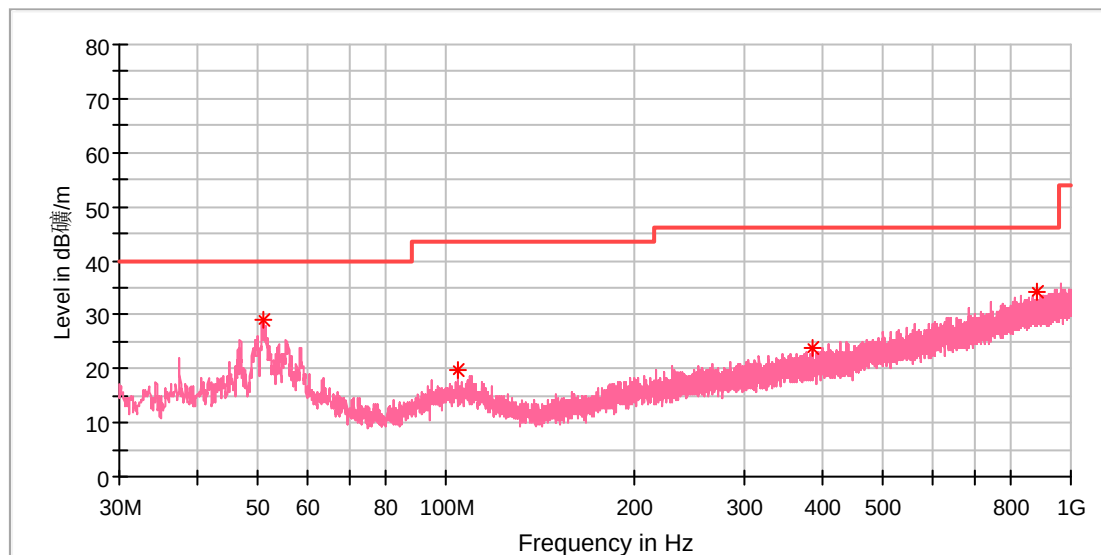


Critical Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
44.938000	19.87	40.00	20.13	100.0	H	349.0	-18.8
108.279000	17.83	43.50	25.67	100.0	H	292.0	-19.0
396.466000	24.35	46.00	21.65	100.0	H	3.0	-13.7
856.294500	34.58	46.00	11.42	100.0	H	99.0	-5.4

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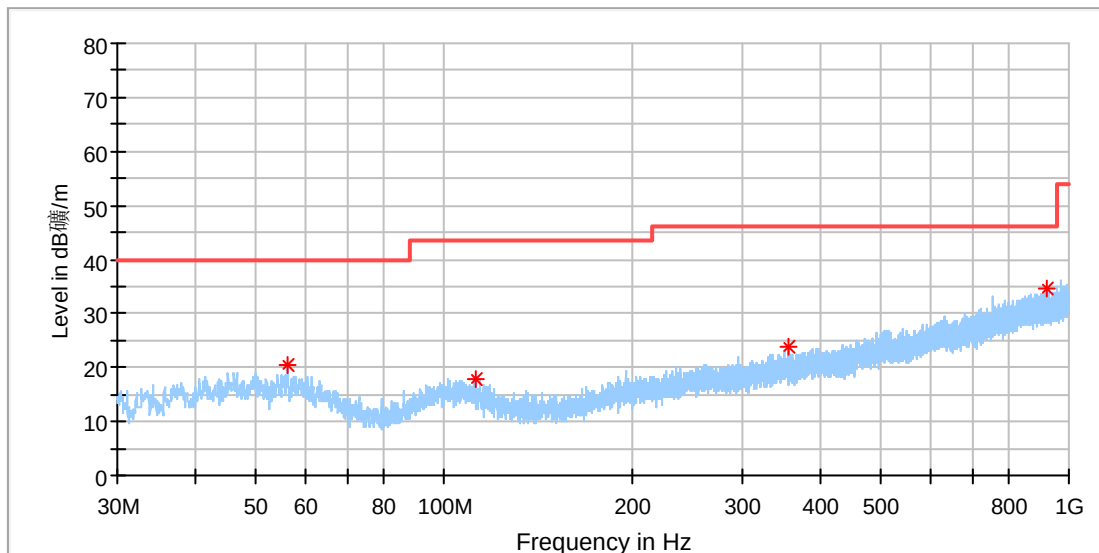
Critical Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
51.097500	28.86	40.00	11.14	100.0	V	0.0	-18.3
104.593000	19.83	43.50	23.67	100.0	V	242.0	-18.8
384.826000	23.96	46.00	22.04	100.0	V	119.0	-14.1
879.380500	34.09	46.00	11.91	100.0	V	0.0	-5.1

Model MG680F

EUT Information

EUT Name:	Lenovo Wireless Gaming Mouse
Model:	MG680F
Test Mode:	Low channel
Order No/Sample No:	168363715/A003252373-003
Test Voltage:	Battery
Remark:	Temp 23 Humi:58%
Test Standard:	FCC 15.249
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

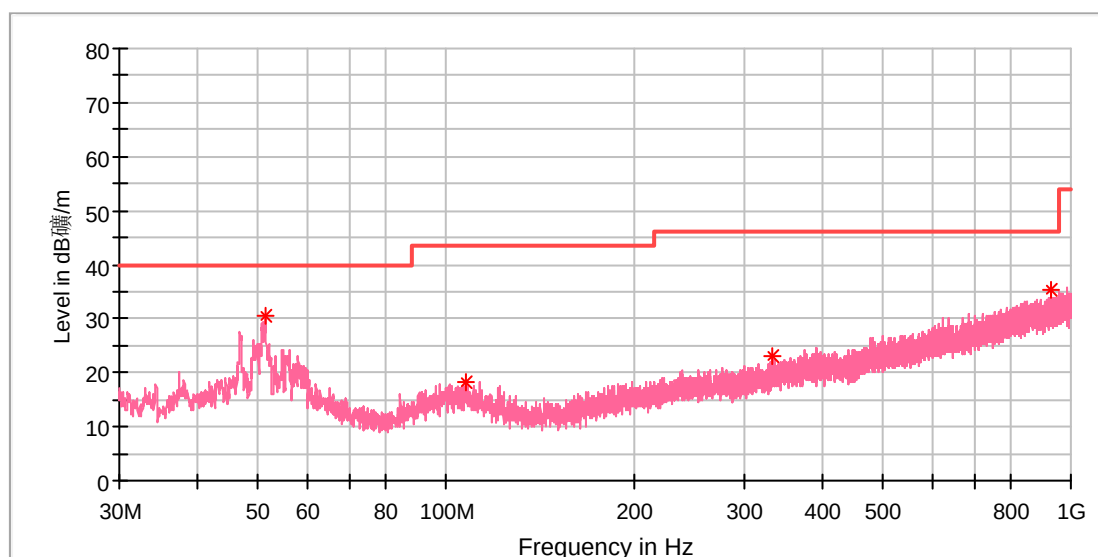


Critical Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
56.141500	20.37	40.00	19.63	100.0	H	329.0	-18.6
112.159000	17.95	43.50	25.55	100.0	H	351.0	-19.4
354.853000	23.91	46.00	22.09	100.0	H	21.0	-14.7
922.012000	34.78	46.00	11.22	100.0	H	294.0	-4.8

EUT Information

EUT Name: Lenovo Wireless Gaming Mouse
Model: MG680F
Test Mode: Low channel
Order No/Sample No: 168363715/A003252373-003
Test Voltage: Battery
Remark: Temp 23 Humi:58%
Test Standard: FCC 15.249
Tested By: Kei Zhang
Reviewed By: Terry Yin

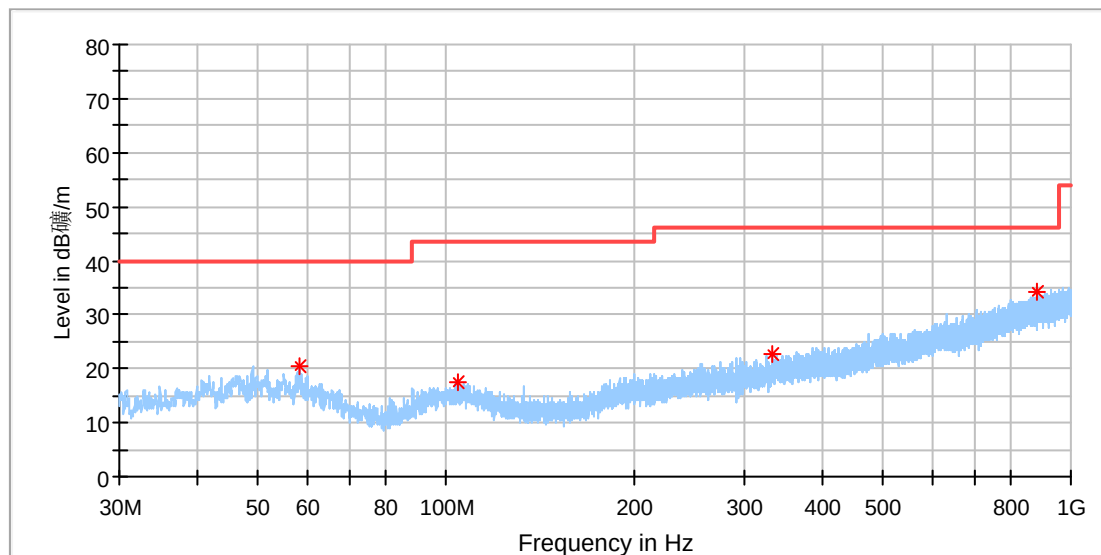


Critical Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
51.388500	30.54	40.00	9.46	100.0	V	79.0	-18.3
107.648500	18.22	43.50	25.28	100.0	V	314.0	-18.9
333.998000	23.02	46.00	22.98	100.0	V	144.0	-15.3
925.698000	35.41	46.00	10.59	100.0	V	201.0	-4.7

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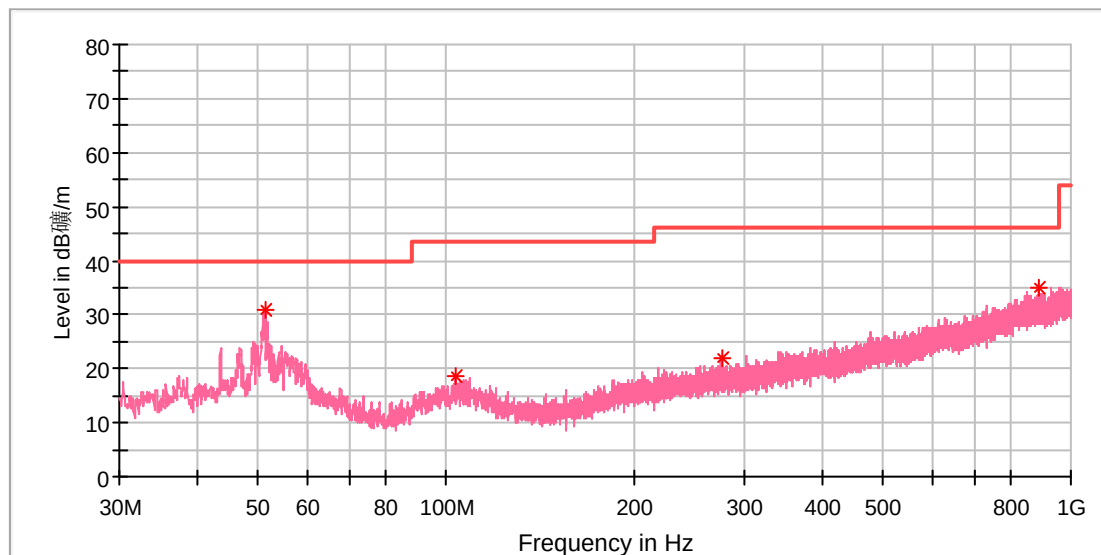


Critical Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
58.372500	20.44	40.00	19.56	100.0	H	161.0	-18.8
104.205000	17.49	43.50	26.01	100.0	H	136.0	-18.8
332.446000	22.55	46.00	23.45	100.0	H	346.0	-15.3
883.600000	34.15	46.00	11.86	100.0	H	0.0	-5.1

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Critical Freqs

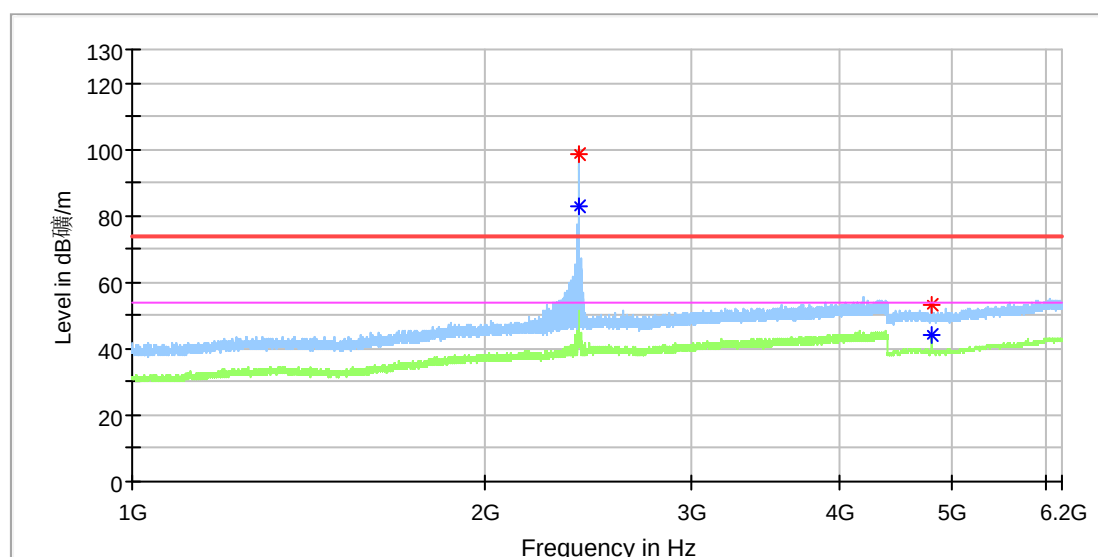
Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
51.340000	30.73	40.00	9.27	100.0	V	92.0	-18.3
103.817000	18.42	43.50	25.08	100.0	V	240.0	-18.8
275.798000	22.06	46.00	23.94	100.0	V	354.0	-16.8
888.935000	34.90	46.00	11.10	100.0	V	46.0	-5.1

1GHz - 18GHz

Note: The highest waveform in the figure is 2.4GHz Fundamental.
Model MG880F

EUT Information

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Test Mode:	Low channel
Order No/Sample No:	168363715/A003252373-004
Test Voltage:	Battery
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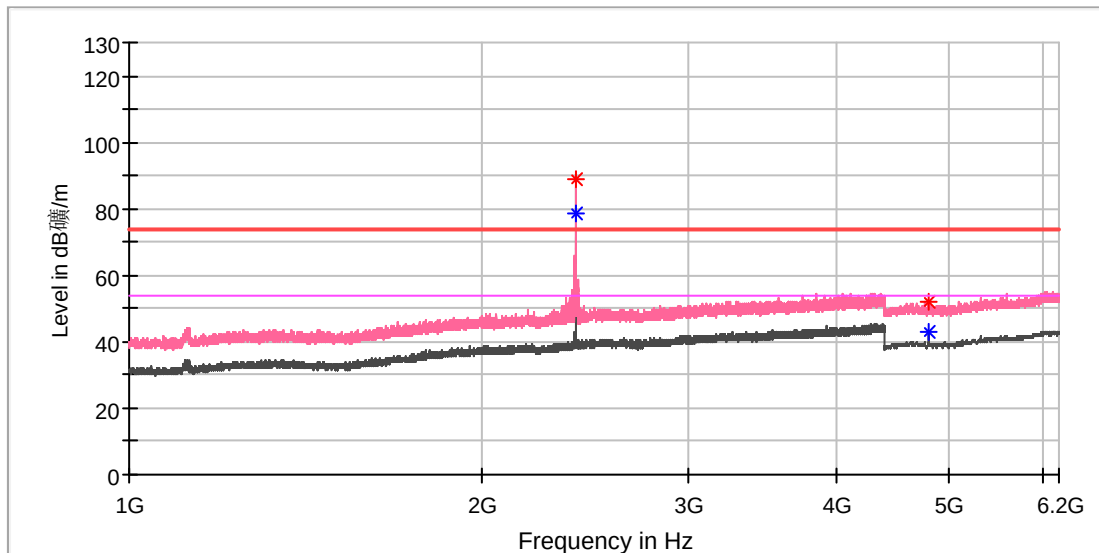


Critical_Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2400.460000	---	82.87	94.00	11.13	100.0	H	11.0	7.0
2402.500000	98.44	---	114.00	15.56	100.0	H	11.0	7.0
4803.000000	---	44.13	54.00	9.87	100.0	H	223.0	11.8
4805.000000	53.19	---	74.00	20.81	100.0	H	202.0	11.8

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Tested By: Kei Zhang
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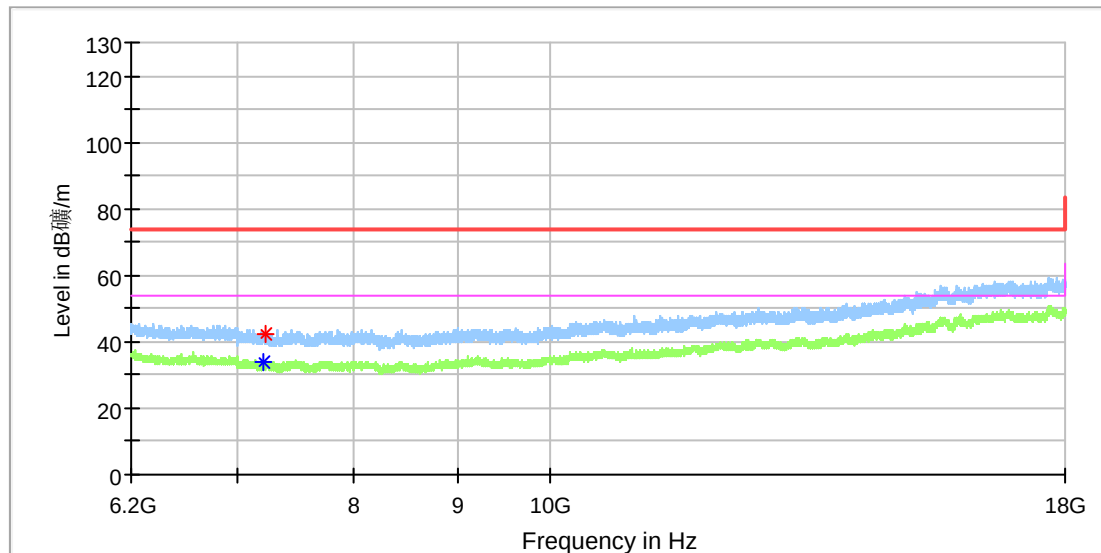


Critical Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2401.480000	88.77	---	114.00	25.23	100.0	V	88.0	7.0
2403.010000	---	78.34	94.00	15.66	100.0	V	88.0	7.0
4802.500000	52.19	---	74.00	21.81	100.0	V	276.0	11.8
4803.500000	---	43.07	54.00	10.93	100.0	V	270.0	11.8

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Test Voltage:	Battery
Remark:	Temp 22 Humi:52%
Test Standard:	FCC 15.249
Tested By:	Kei Zhang
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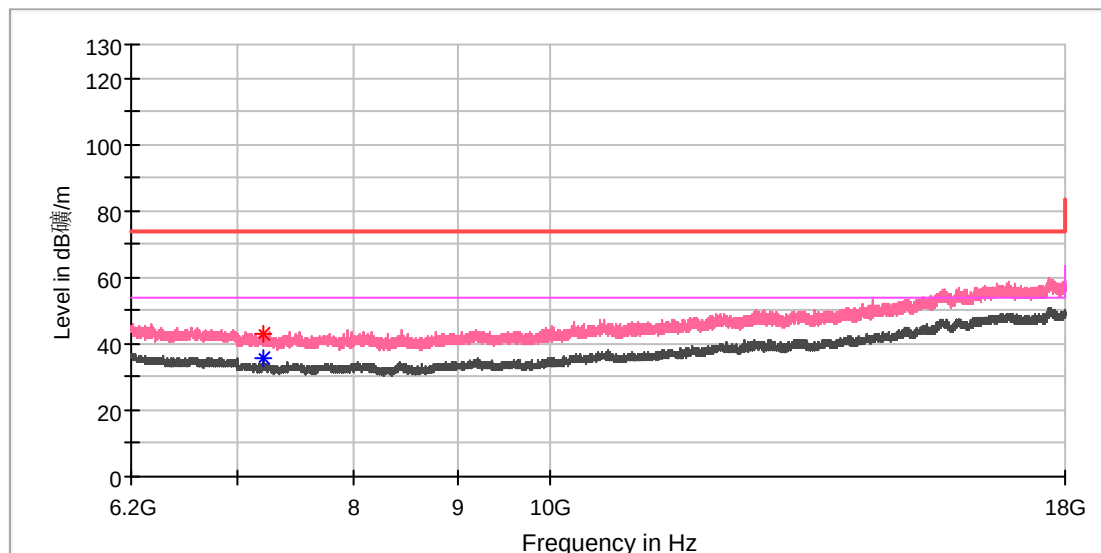


Critical Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7204.966667	---	33.62	54.00	20.38	100.0	H	17.0	8.8
7219.225000	42.07	---	74.00	31.93	100.0	H	226.0	8.7

EUT Information

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Test Voltage: Battery
Remark: Temp 22 Humi:52%
Test Standard: FCC 15.249
Tested By: Kei Zhang
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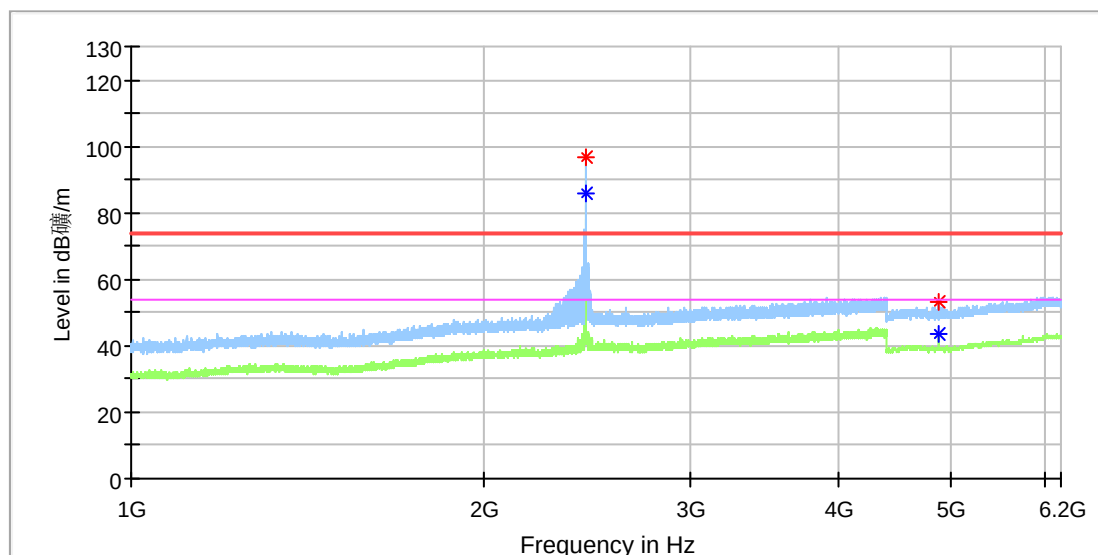


Critical Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7204.966667	43.01	---	74.00	30.99	100.0	V	155.0	8.8
7204.966667	---	35.38	54.00	18.62	100.0	V	155.0	8.8

EUT Information

EUT Name: Lenovo Wireless Gaming Mouse
Model: MG880F
Test Mode: Mid channel
Order No/Sample No: 168363715/A003252373-004
Test Voltage: Battery
Remark: Temp 22 Humi:52%
Test Standard: FCC 15.249
Tested By: Kei Zhang
Reviewed By: Terry Yin

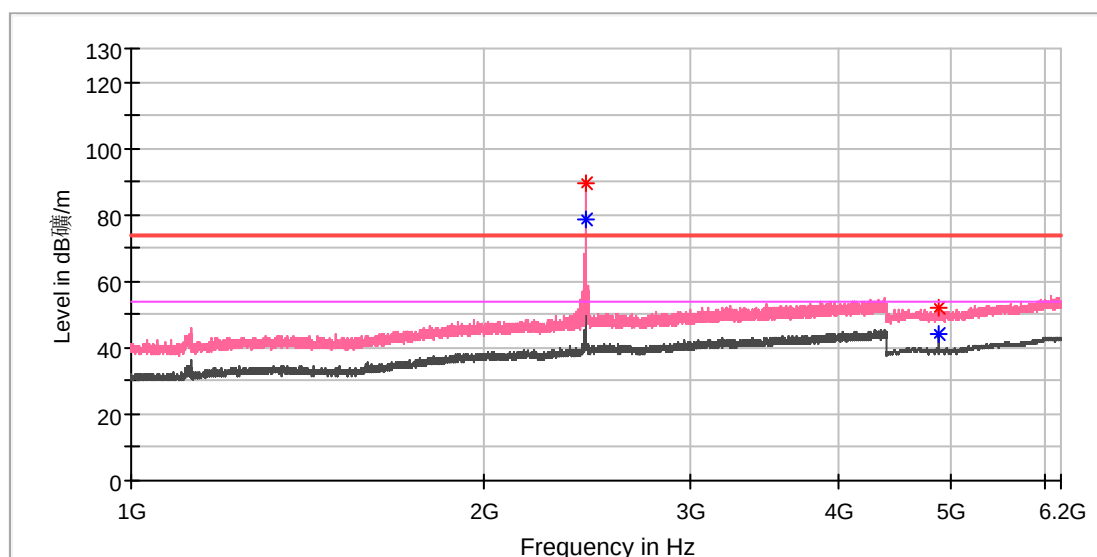


Critical Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2440.410000	96.46	---	114.00	17.54	100.0	H	0.0	7.4
2441.090000	---	85.66	94.00	8.34	100.0	H	0.0	7.4
4878.500000	53.08	---	74.00	20.92	100.0	H	227.0	11.8
4879.000000	---	43.33	54.00	10.67	100.0	H	227.0	11.8

EUT Information

EUT Name:	Lenovo Wireless Gaming Mouse
Model:	MG880F
Test Mode:	Mid channel
Order No/Sample No:	168363715/A003252373-004
Test Voltage:	Battery
Remark:	Temp 22 Humi:52%
Test Standard:	FCC 15.249
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

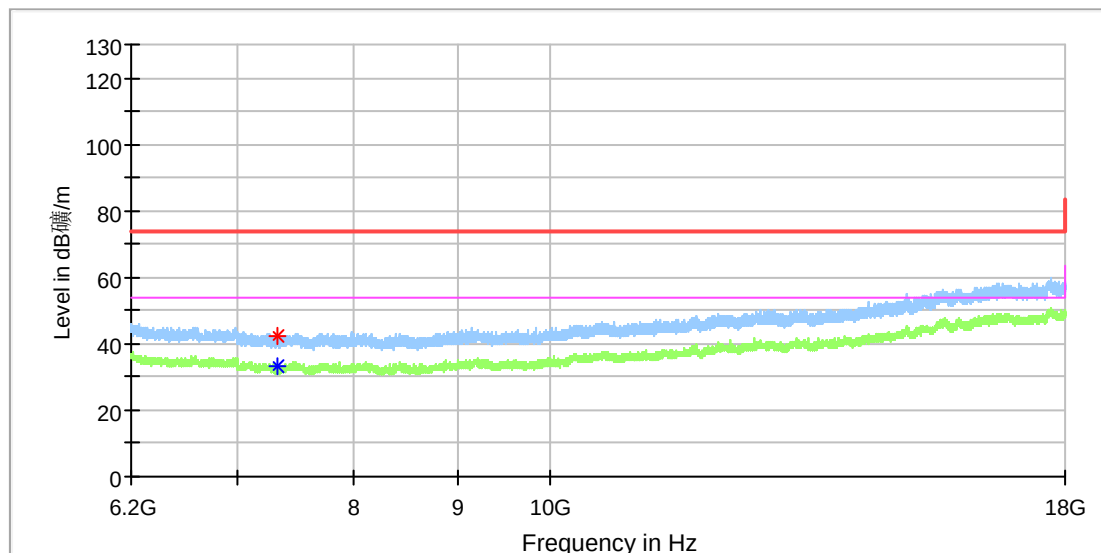


Critical Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2439.390000	89.21	---	114.00	24.79	100.0	V	352.0	7.4
2441.090000	---	78.81	94.00	15.19	100.0	V	359.0	7.4
4879.000000	---	44.04	54.00	9.96	100.0	V	155.0	11.8
4880.500000	51.72	---	74.00	22.28	100.0	V	314.0	11.8

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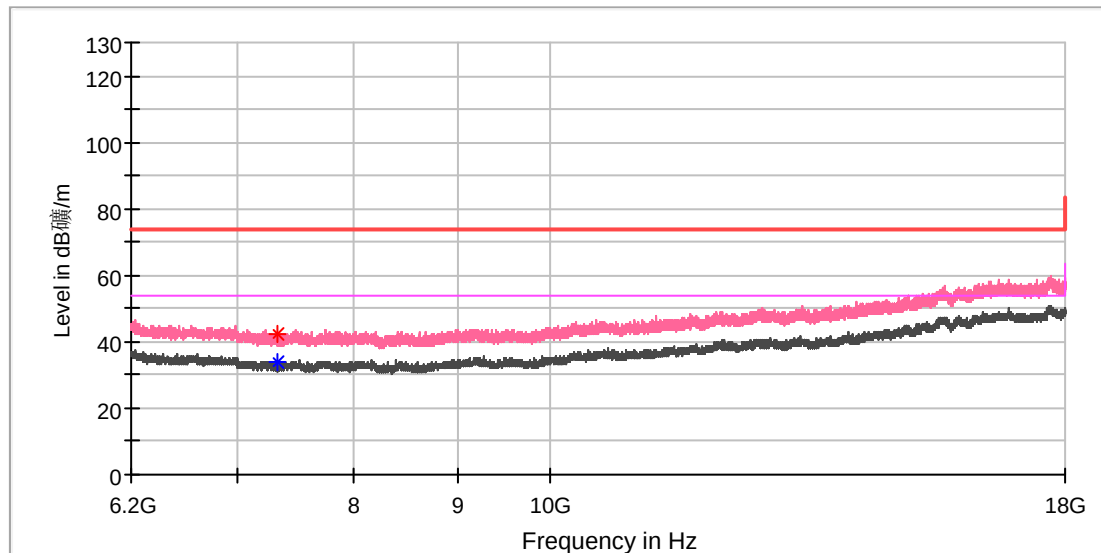


Critical Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7329.358333	---	33.16	54.00	20.84	100.0	H	188.0	8.1
7330.833333	42.13	---	74.00	31.87	100.0	H	252.0	8.1

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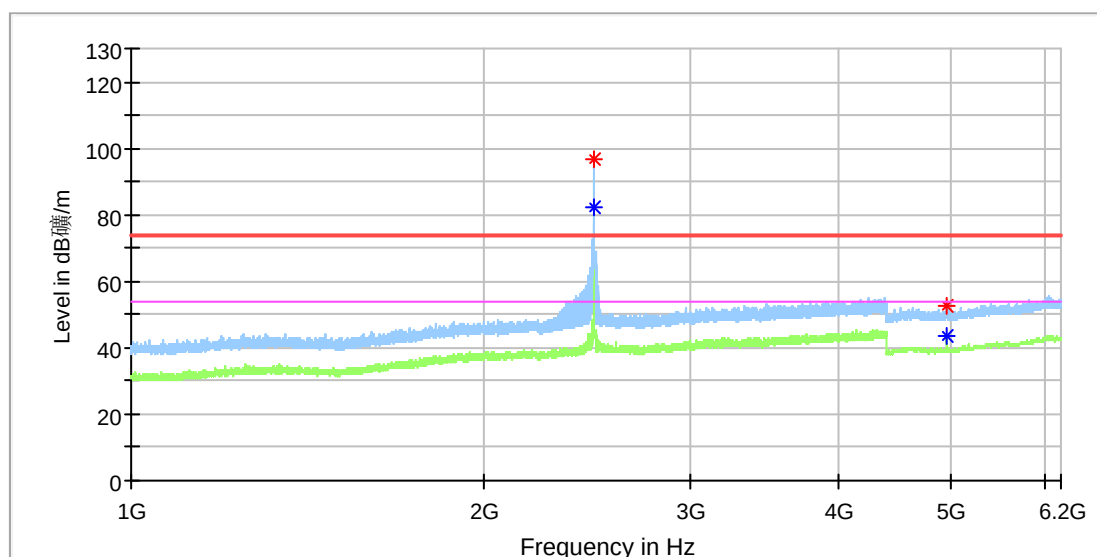


Critical Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7318.541667	42.22	---	74.00	31.78	100.0	V	176.0	8.2
7322.966667	---	33.83	54.00	20.17	100.0	V	188.0	8.2

EUT Information

EUT Name:	Lenovo Wireless Gaming Mouse
Model:	MG880F
Test Mode:	High channel
Order No/Sample No:	168363715/A003252373-004
Test Voltage:	Battery
Remark:	Temp 22 Humi:52%
Test Standard:	FCC 15.249
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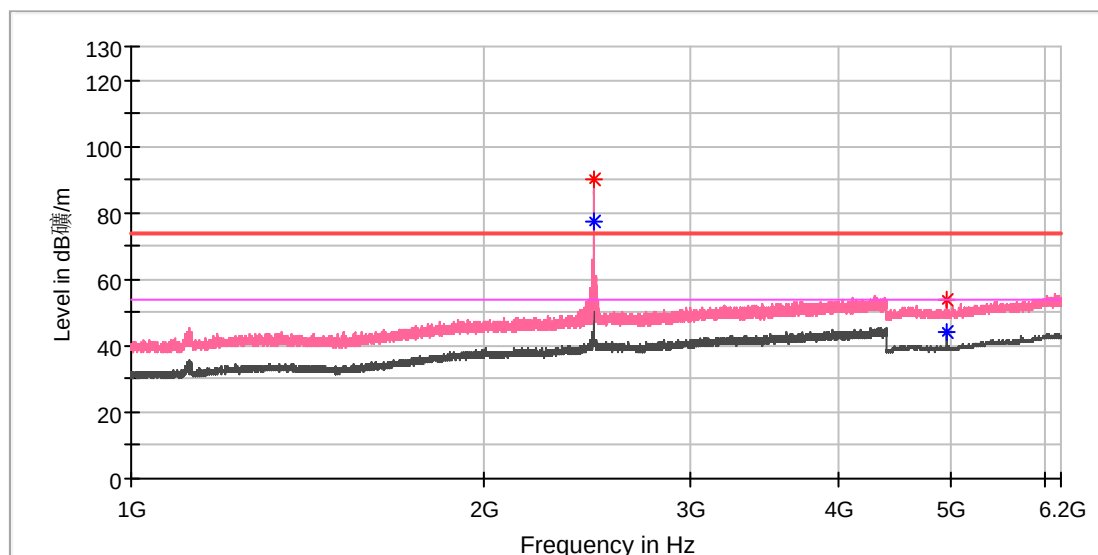


Critical Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2478.490000	---	82.42	94.00	11.58	100.0	H	312.0	7.4
2479.510000	97.05	---	114.00	16.95	100.0	H	312.0	7.4
4959.000000	52.54	---	74.00	21.46	100.0	H	56.0	11.8
4959.000000	---	43.29	54.00	10.71	100.0	H	56.0	11.8

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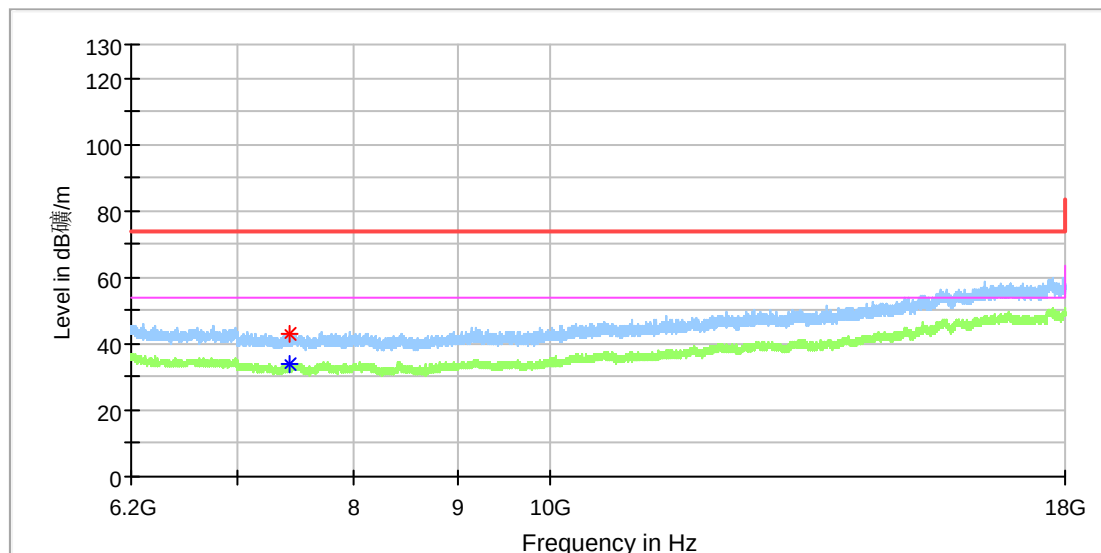


Critical Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2479.510000	90.31	---	114.00	23.69	100.0	V	0.0	7.4
2481.210000	---	77.40	94.00	16.60	100.0	V	0.0	7.4
4959.000000	53.64	---	74.00	20.36	100.0	V	172.0	11.8
4959.500000	---	44.05	54.00	9.95	100.0	V	144.0	11.8

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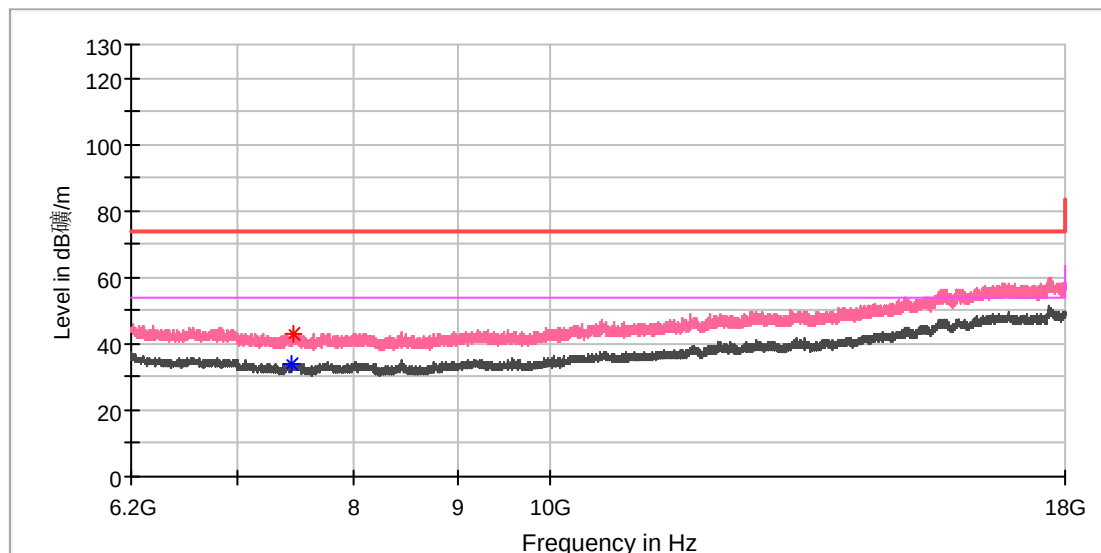


Critical Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7428.675000	---	34.10	54.00	19.90	100.0	H	216.0	8.4
7433.591667	42.75	---	74.00	31.25	100.0	H	227.0	8.4

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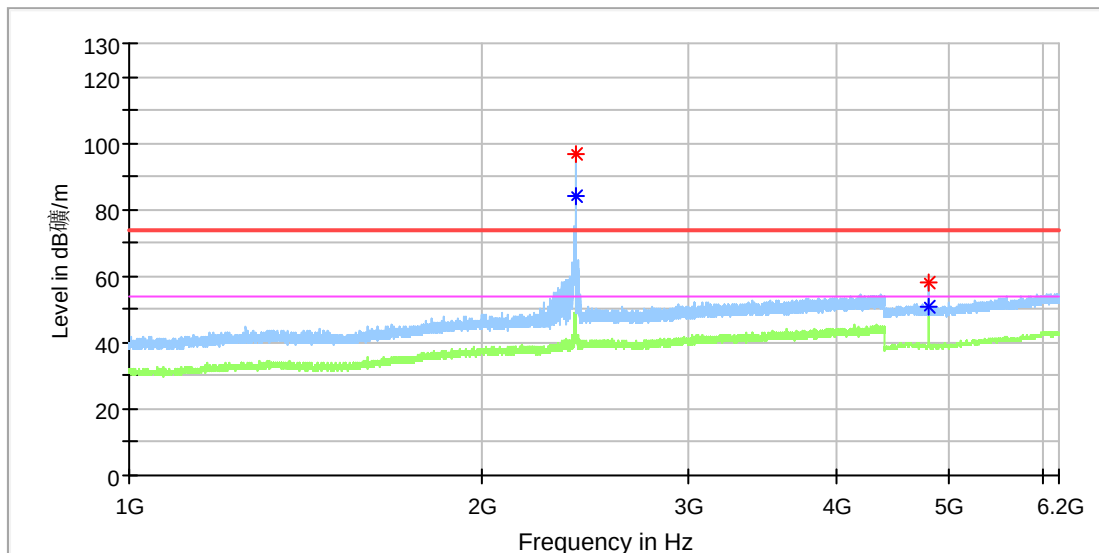
Critical Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7440.475000	---	33.71	54.00	20.29	100.0	V	0.0	8.4
7461.125000	42.63	---	74.00	31.37	100.0	V	57.0	8.5

Model MG680F

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Remark:	Temp 23 Humi:58%
Test Standard:	FCC 15.249
Tested By:	Kei Zhang
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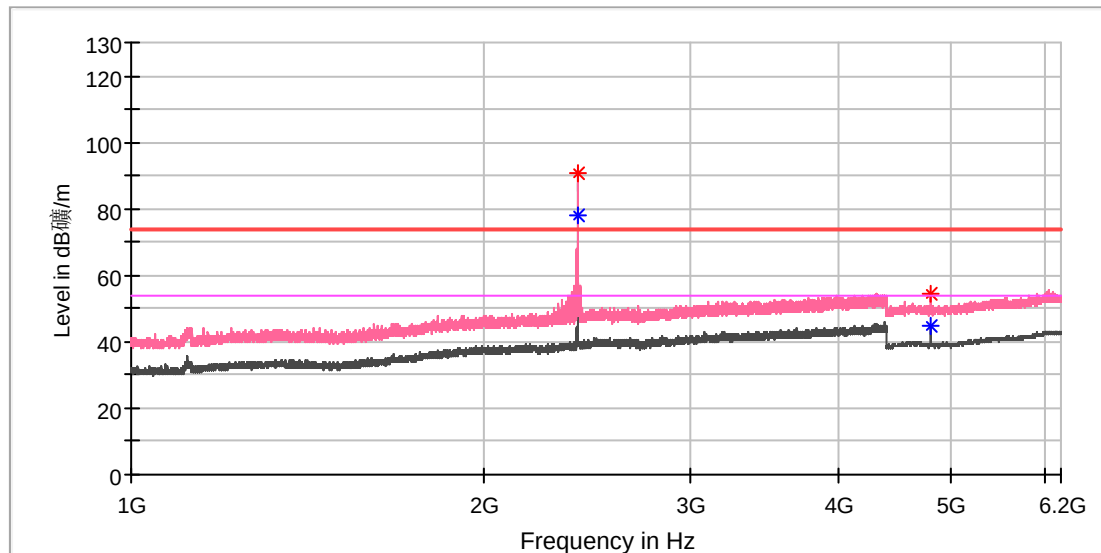


Critical Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2401.480000	96.47	---	114.00	17.53	100.0	H	335.0	7.0
2403.180000	---	84.06	94.00	9.94	100.0	H	346.0	7.0
4803.000000	57.76	---	74.00	16.24	100.0	H	141.0	11.8
4803.500000	---	50.66	54.00	3.34	100.0	H	141.0	11.8

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Tested By: Kei Zhang
Reviewed By: Terry Yin

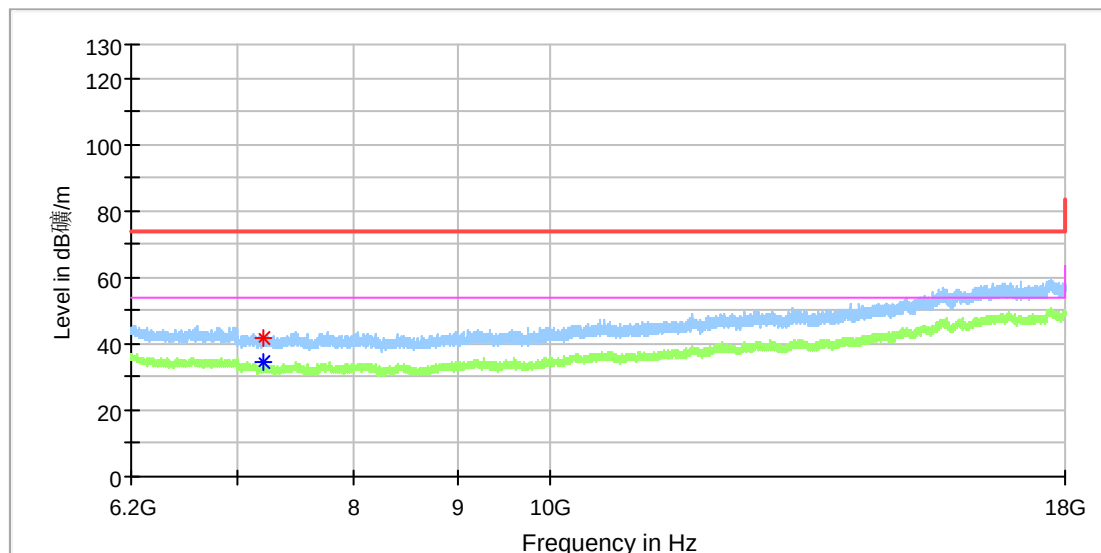


Critical Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2401.480000	90.79	---	114.00	23.21	100.0	V	18.0	7.0
2403.180000	---	77.89	94.00	16.11	100.0	V	7.0	7.0
4802.500000	54.22	---	74.00	19.78	100.0	V	216.0	11.8
4803.000000	---	44.56	54.00	9.44	100.0	V	216.0	11.8

EUT Information

EUT Name: Lenovo Wireless Gaming Mouse
Model: MG680F
Test Mode: Low channel
Order No/Sample No: 168363715/A003252373-003
Test Voltage: Battery
Remark: Temp 23 Humi:58%
Test Standard: FCC 15.249
Tested By: Kei Zhang
Reviewed By: Terry Yin

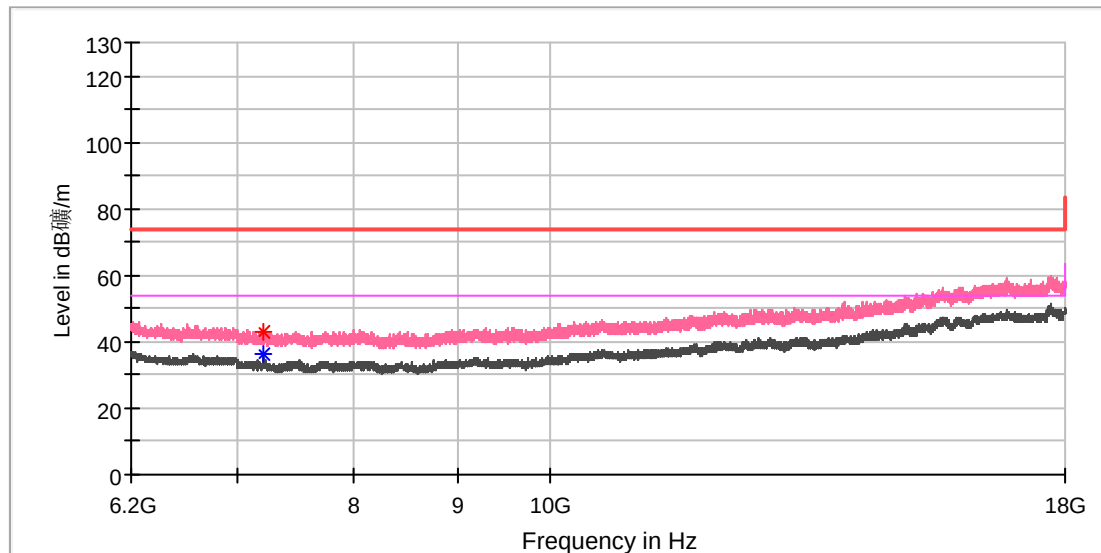


Critical Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7204.475000	---	34.54	54.00	19.46	100.0	H	50.0	8.8
7210.866667	41.79	---	74.00	32.21	100.0	H	244.0	8.7

EUT Information

EUT Name:	Lenovo Wireless Gaming Mouse
Model:	MG680F
Test Mode:	Low channel
Order No/Sample No:	168363715/A003252373-003
Test Voltage:	Battery
Remark:	Temp 23 Humi:58%
Test Standard:	FCC 15.249
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

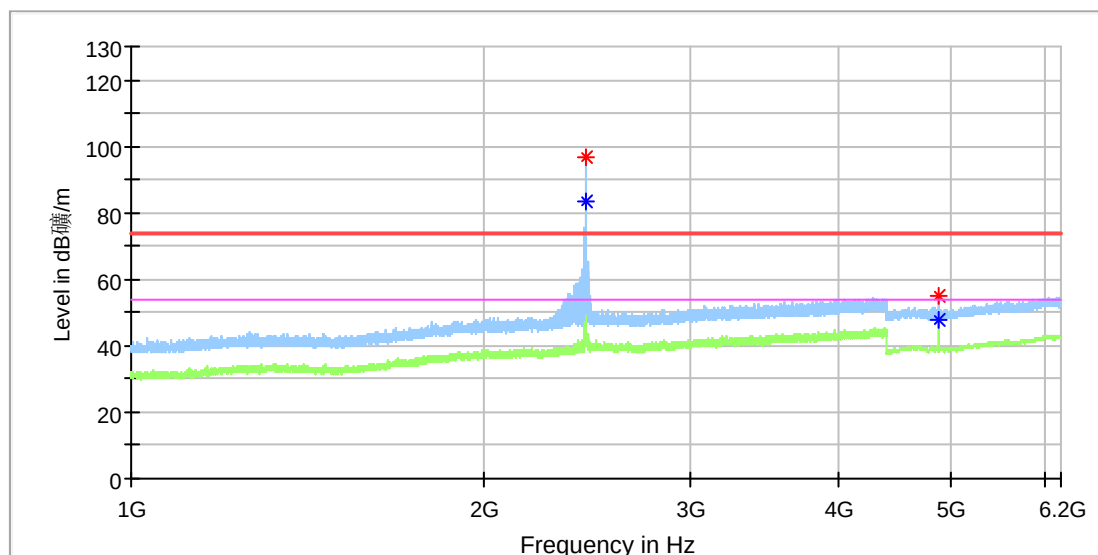


Critical Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7203.983333	42.81	---	74.00	31.19	100.0	V	185.0	8.8
7204.475000	---	36.01	54.00	17.99	100.0	V	185.0	8.8

EUT Information

EUT Name:	Lenovo Wireless Gaming Mouse
Model:	MG680F
Test Mode:	Mid channel
Order No/Sample No:	168363715/A003252373-003
Test Voltage:	Battery
Remark:	Temp 23 Humi:58%
Test Standard:	FCC 15.249
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

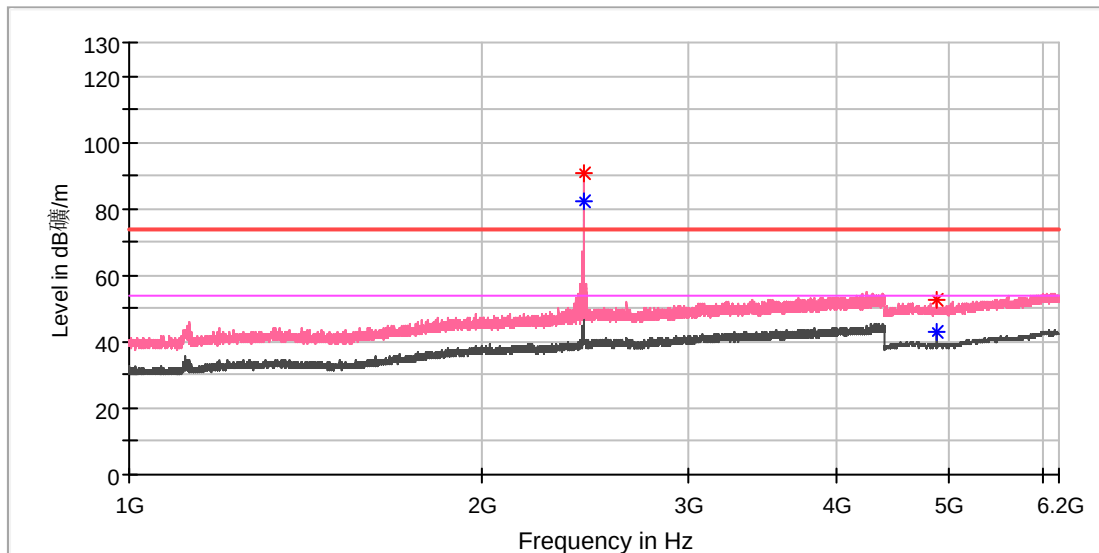


Critical Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2440.580000	96.65	---	114.00	17.35	100.0	H	342.0	7.4
2441.090000	---	83.56	94.00	10.44	100.0	H	342.0	7.4
4879.000000	55.24	---	74.00	18.76	100.0	H	143.0	11.8
4879.000000	---	47.52	54.00	6.48	100.0	H	143.0	11.8

EUT Information

EUT Name: Lenovo Wireless Gaming Mouse
Model: MG680F
Test Mode: Mid channel
Order No/Sample No: 168363715/A003252373-003
Test Voltage: Battery
Remark: Temp 23 Humi:58%
Test Standard: FCC 15.249
Tested By: Kei Zhang
Reviewed By: Terry Yin

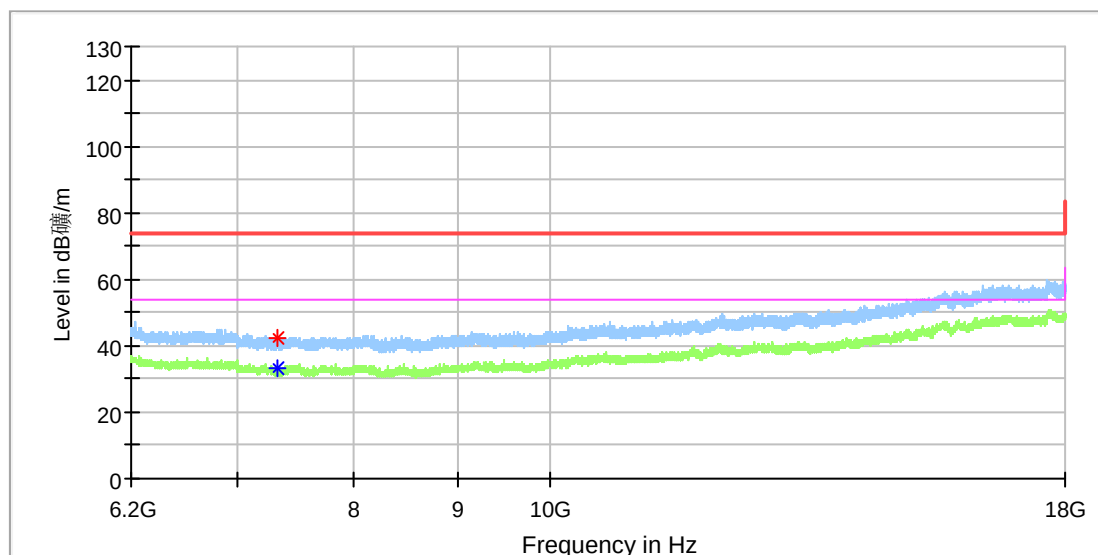


Critical Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2439.050000	---	82.21	94.00	11.79	100.0	V	5.0	7.4
2439.390000	90.42	---	114.00	23.58	100.0	V	18.0	7.4
4878.500000	52.90	---	74.00	21.10	100.0	V	206.0	11.8
4879.000000	---	43.17	54.00	10.83	100.0	V	16.0	11.8

EUT Information

EUT Name:	Lenovo Wireless Gaming Mouse
Model:	MG680F
Test Mode:	Mid channel
Order No/Sample No:	168363715/A003252373-003
Test Voltage:	Battery
Remark:	Temp 23 Humi:58%
Test Standard:	FCC 15.249
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

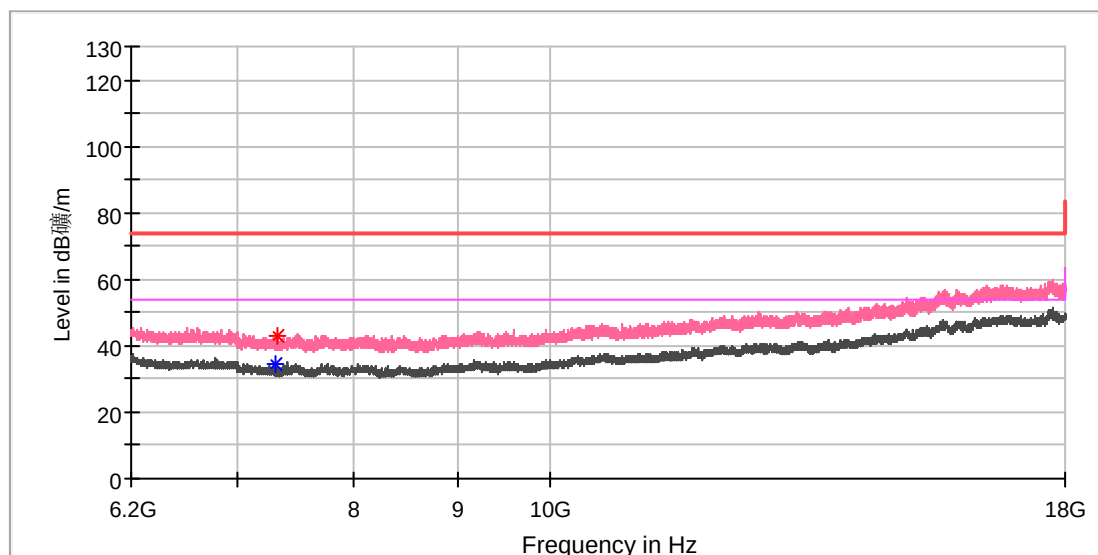


Critical Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7319.033333	---	33.26	54.00	20.74	100.0	H	109.0	8.2
7320.016667	42.23	---	74.00	31.77	100.0	H	46.0	8.2

EUT Information

EUT Name:	Lenovo Wireless Gaming Mouse
Model:	MG680F
Test Mode:	Mid channel
Order No/Sample No:	168363715/A003252373-003
Test Voltage:	Battery
Remark:	Temp 23 Humi:58%
Test Standard:	FCC 15.249
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

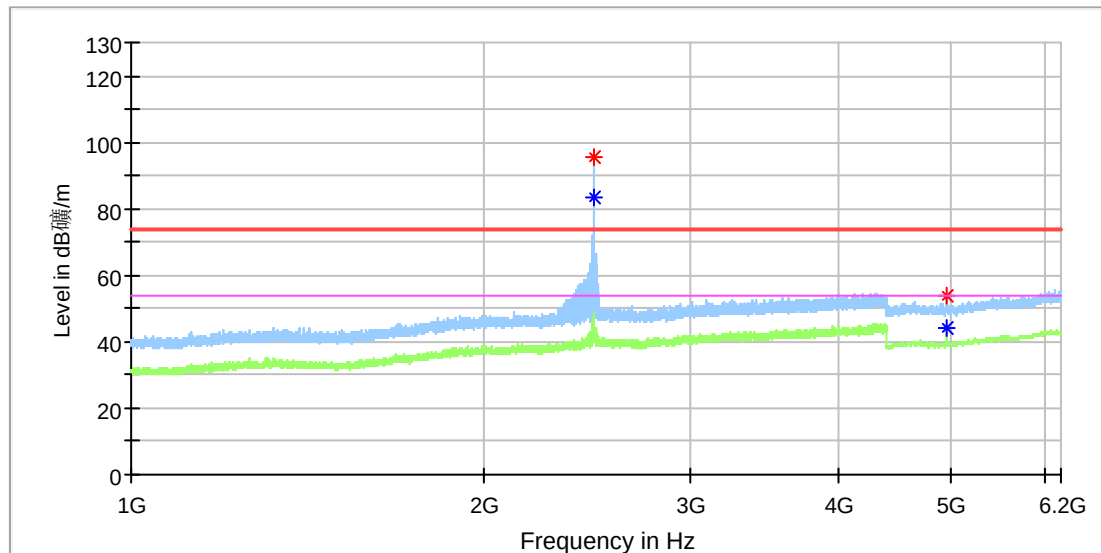


Critical Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7318.050000	---	34.19	54.00	19.81	100.0	V	155.0	8.2
7322.966667	42.78	---	74.00	31.22	100.0	V	144.0	8.2

EUT Information

EUT Name: Lenovo Wireless Gaming Mouse
Model: MG680F
Test Mode: High channel
Order No/Sample No: 168363715/A003252373-003
Test Voltage: Battery
Remark: Temp 23 Humi:58%
Test Standard: FCC 15.249
Tested By: Kei Zhang
Reviewed By: Terry Yin

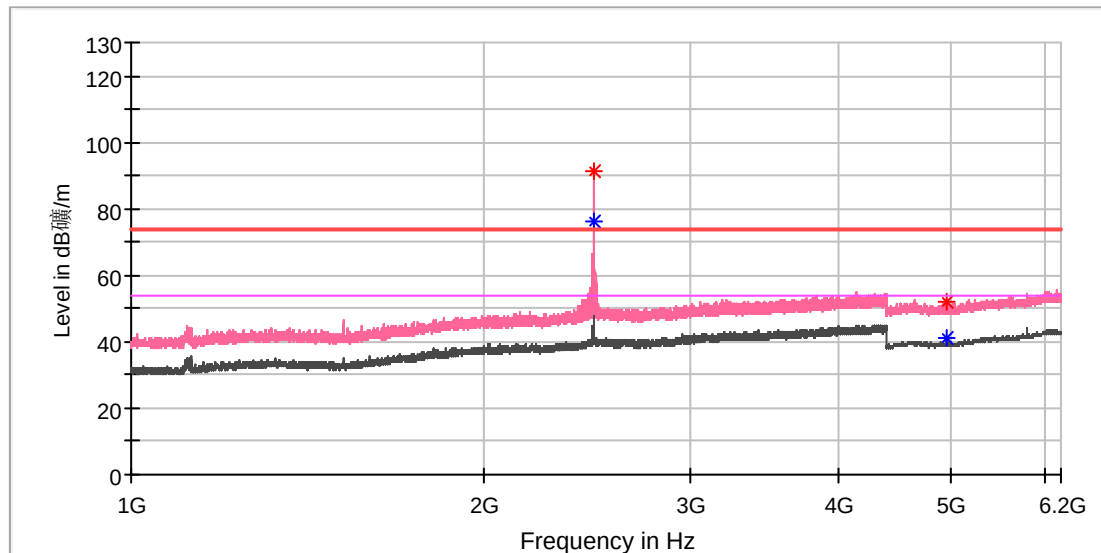


Critical Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2479.340000	95.79	---	114.00	18.21	100.0	H	344.0	7.4
2481.040000	---	83.52	94.00	10.48	100.0	H	41.0	7.4
4959.500000	53.99	---	74.00	20.01	100.0	H	163.0	11.8
4960.000000	---	44.42	54.00	9.58	100.0	H	148.0	11.8

EUT Information

EUT Name:	Lenovo Wireless Gaming Mouse
Model:	MG680F
Test Mode:	High channel
Order No/Sample No:	168363715/A003252373-003
Test Voltage:	Battery
Remark:	Temp 23 Humi:58%
Test Standard:	FCC 15.249
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

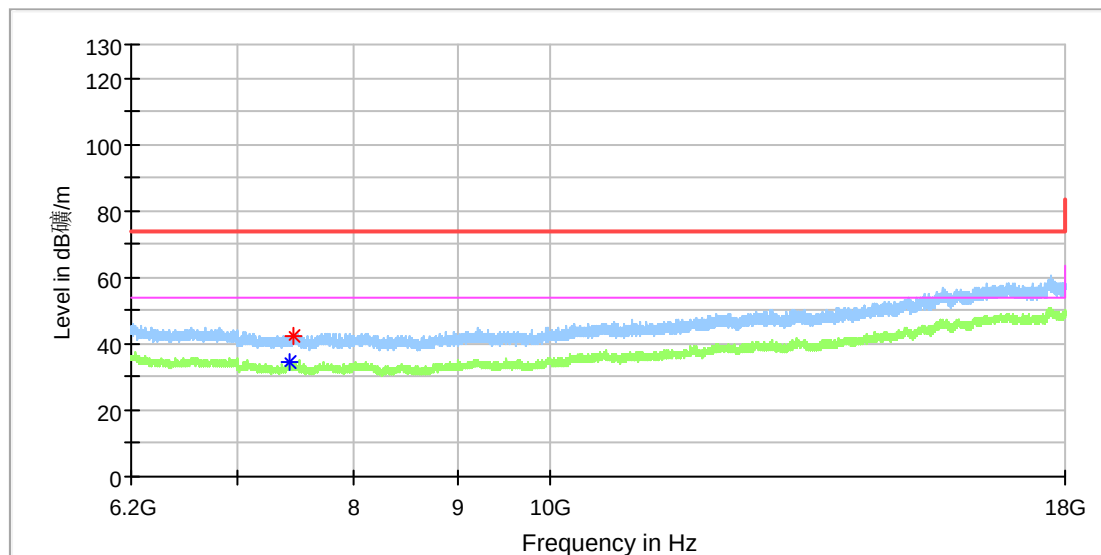


Critical Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2479.510000	91.40	---	114.00	22.60	100.0	V	95.0	7.4
2481.380000	---	76.31	94.00	17.69	100.0	V	95.0	7.4
4958.500000	51.75	---	74.00	22.25	100.0	V	307.0	11.8
4959.000000	---	41.00	54.00	13.00	100.0	V	223.0	11.8

EUT Information

EUT Name:	Lenovo Wireless Gaming Mouse
Model:	MG680F
Test Mode:	High channel
Order No/Sample No:	168363715/A003252373-003
Test Voltage:	Battery
Remark:	Temp 23 Humi:58%
Test Standard:	FCC 15.249
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

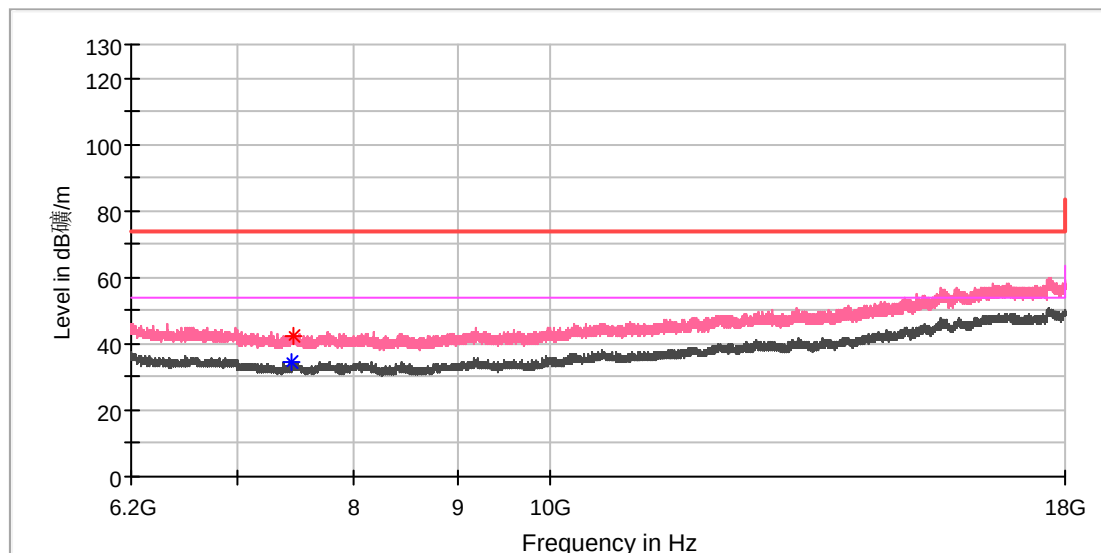


Critical Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7426.216667	---	34.25	54.00	19.75	100.0	H	115.0	8.4
7462.600000	42.31	---	74.00	31.69	100.0	H	0.0	8.6

EUT Information

EUT Name:	Lenovo Wireless Gaming Mouse
Model:	MG680F
Test Mode:	High channel
Order No/Sample No:	168363715/A003252373-003
Test Voltage:	Battery
Remark:	Temp 23 Humi:58%
Test Standard:	FCC 15.249
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

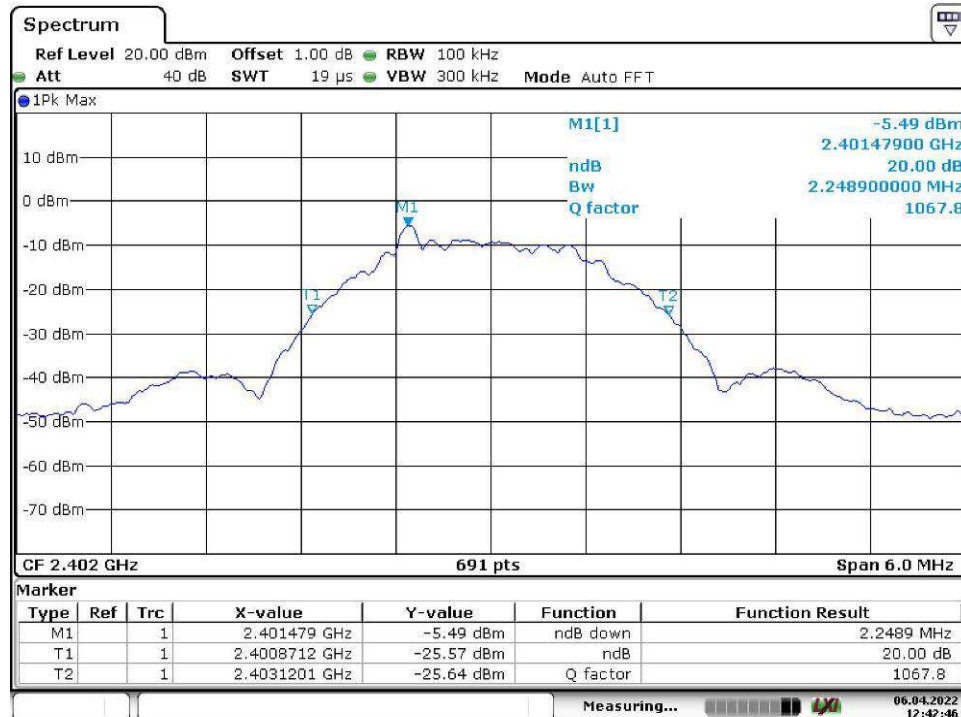


Critical Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7450.800000	---	34.55	54.00	19.45	100.0	V	273.0	8.5
7457.191667	42.33	---	74.00	31.67	100.0	V	337.0	8.5

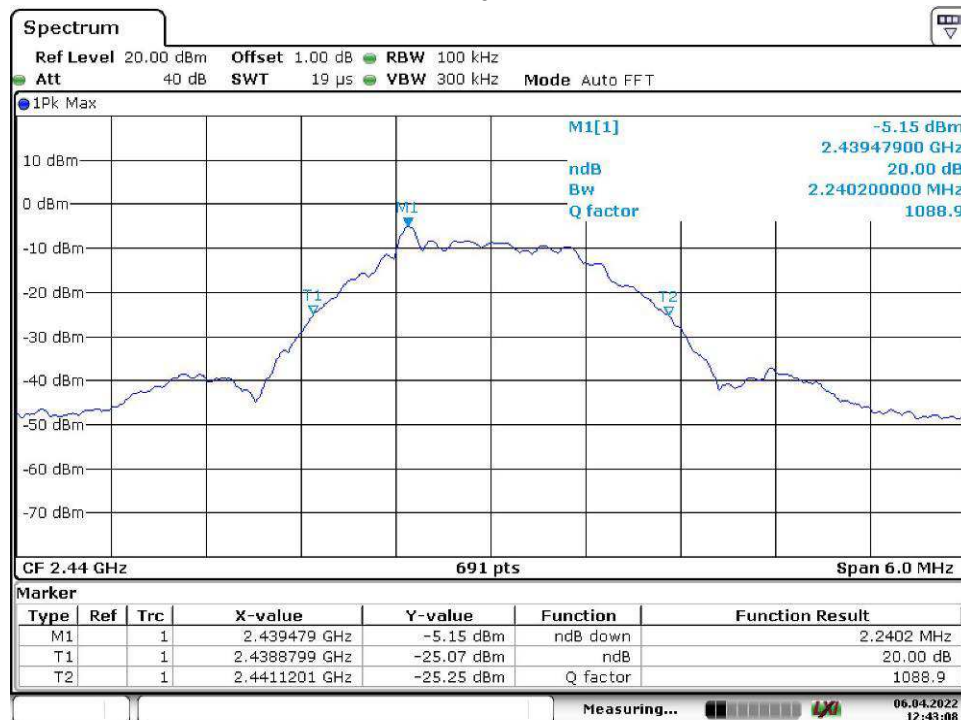
Appendix B.2: Test Results of 20dB Bandwidth

2402MHz



Date: 6.APR.2022 12:42:46

2440MHz



Date: 6.APR.2022 12:43:08

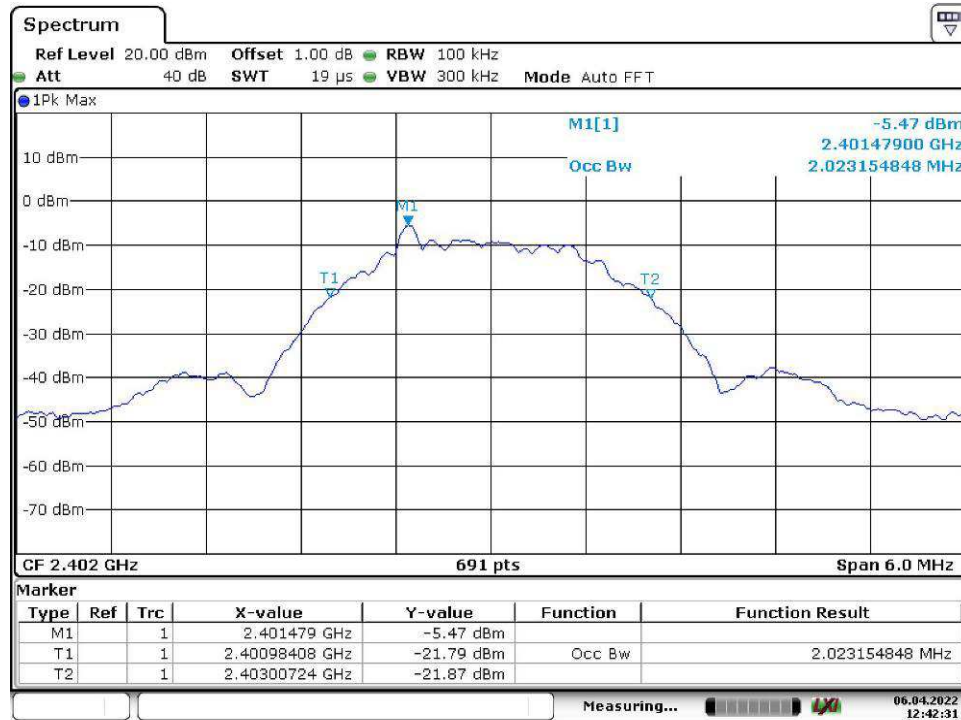
2480MHz



Date: 06.APR.2022 12:41:30

Appendix B.3: Test Results of 99% Bandwidth

2402MHz



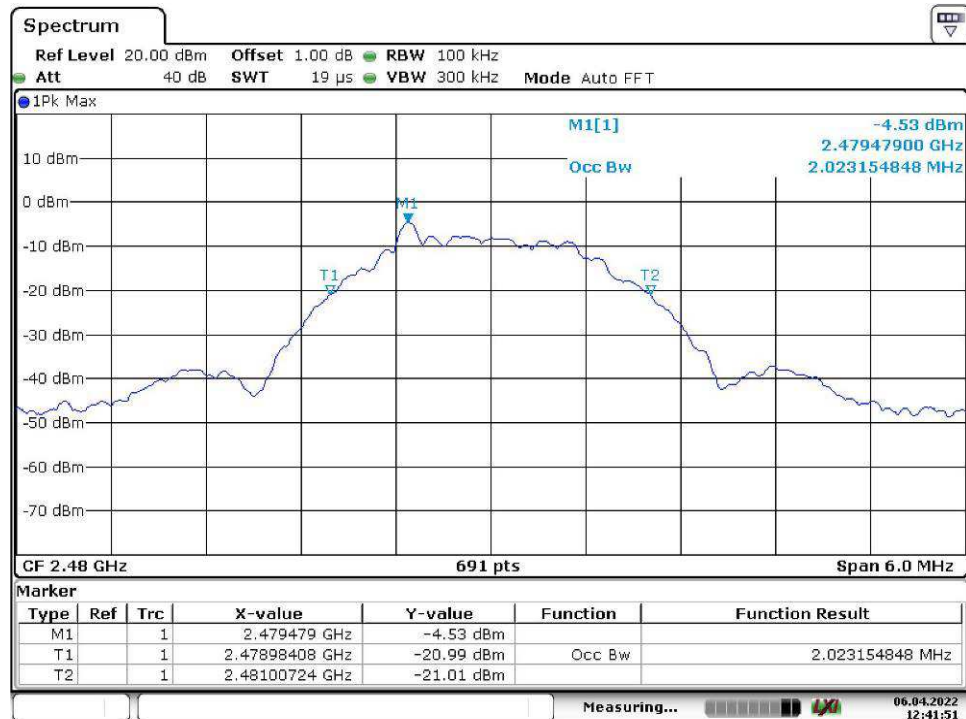
Date: 6.APR.2022 12:42:31

2440MHz



Date: 6.APR.2022 12:43:21

2480MHz



Date: 06.APR.2022 12:41:51

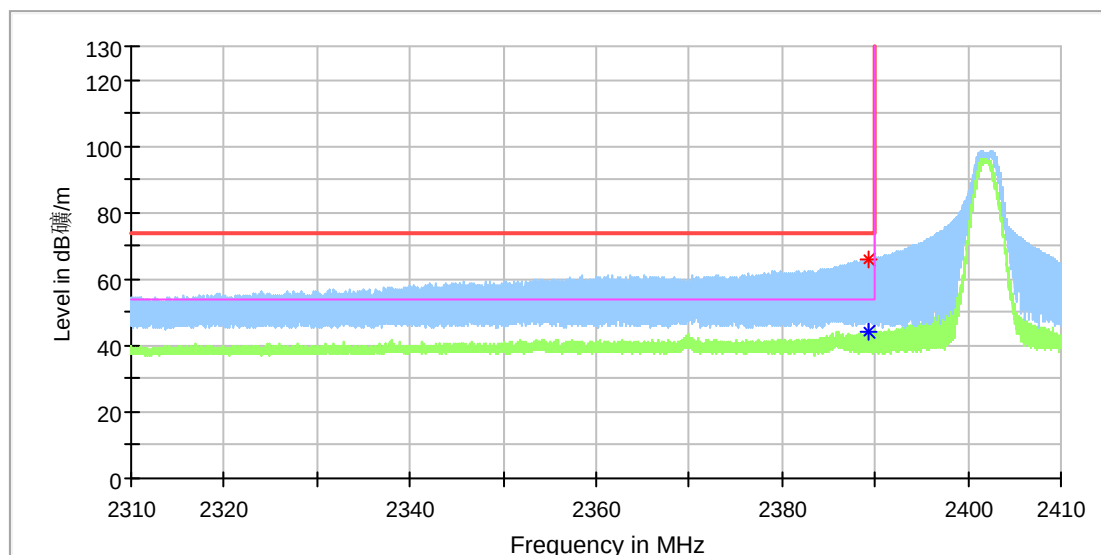
Appendix B.4: Test Results of Band Edge

Model MG880F

Test Report

EUT Information

EUT Name:	Lenovo Wireless Gaming Mouse
Model:	MG880F
Test Mode:	Low channel
Order No./Sample No:	168363715/A003252373-004
Test Voltage:	Battery
Remark:	Temp 22 Humi:52%
Test Standard:	FCC 15.249
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



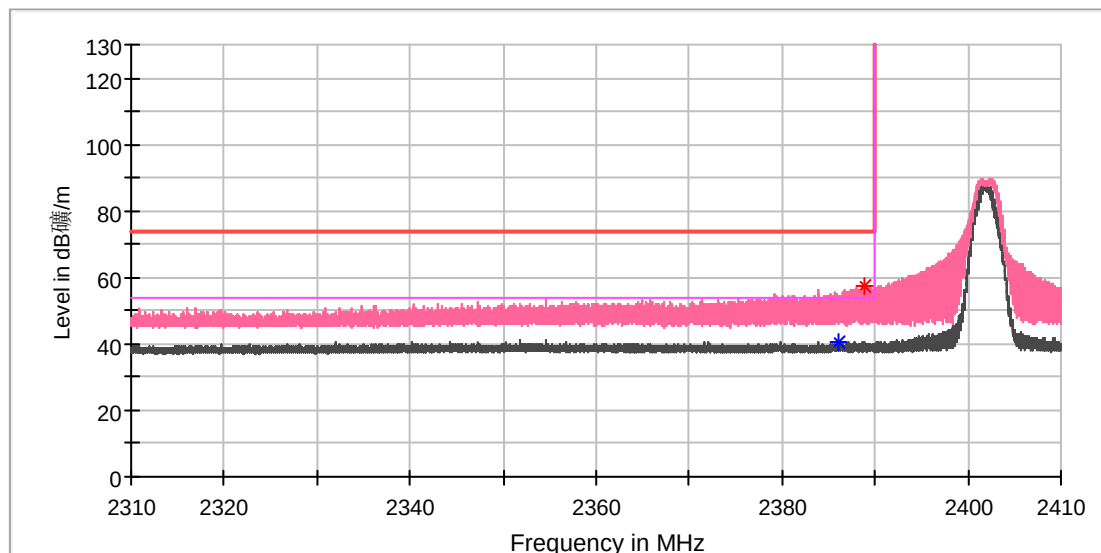
Critical Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2389.375000	---	44.22	54.00	9.79	100.0	H	7.0	7.0
2389.375000	66.18	---	74.00	7.82	100.0	H	7.0	7.0

Test Report

EUT Information

EUT Name: Lenovo Wireless Gaming Mouse
Model: MG880F
Test Mode: Low channel
Order No/Sample No: 168363715/A003252373-004
Test Voltage: Battery
Remark: Temp 22 Humi:52%
Test Standard: FCC 15.249
Tested By: Kei Zhang
Reviewed By: Terry Yin



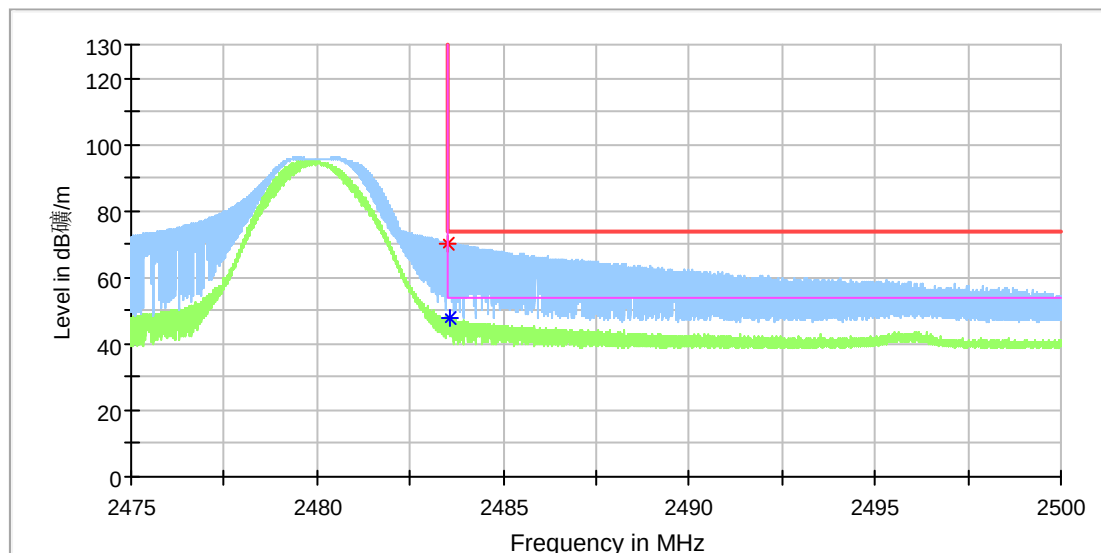
Critical_Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2386.050000	---	40.74	54.00	13.26	100.0	V	64.0	7.0
2388.840000	57.45	---	74.00	16.55	100.0	V	88.0	7.0

Test Report

EUT Information

EUT Name: Lenovo Wireless Gaming Mouse
Model: MG880F
Test Mode: High channel
Order No/Sample No: 168363715/A003252373-004
Test Voltage: Battery
Remark: Temp 22 Humi:52%
Test Standard: FCC 15.249
Tested By: Kei Zhang
Reviewed By: Terry Yin



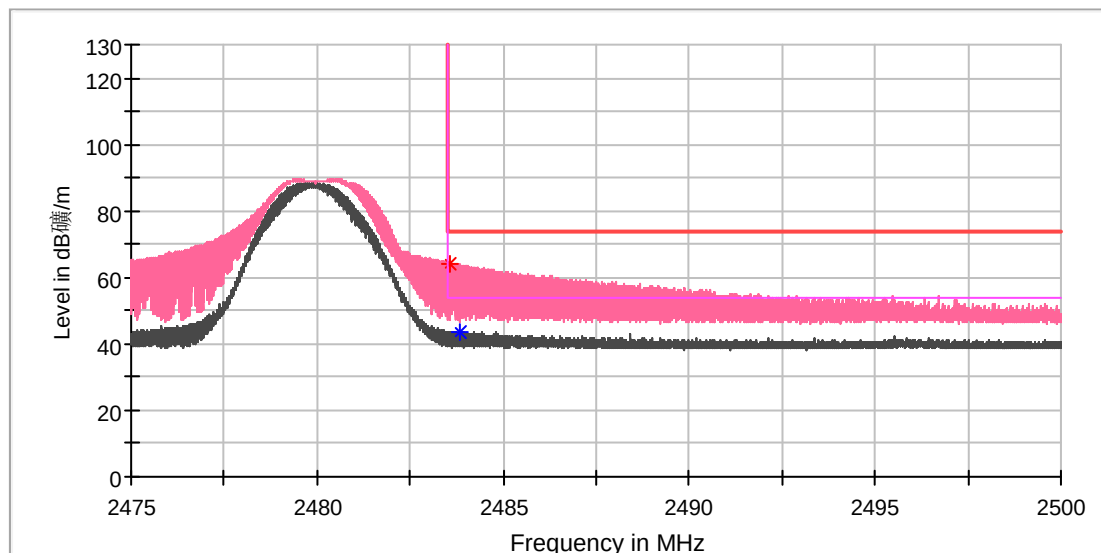
Critical_Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2483.531250	70.37	---	74.00	3.63	100.0	H	318.0	7.4
2483.568750	---	47.80	54.00	6.20	100.0	H	318.0	7.4

Test Report

EUT Information

EUT Name:	Lenovo Wireless Gaming Mouse
Model:	MG880F
Test Mode:	High channel
Order No/Sample No:	168363715/A003252373-004
Test Voltage:	Battery
Remark:	Temp 22 Humi:52%
Test Standard:	FCC 15.249
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



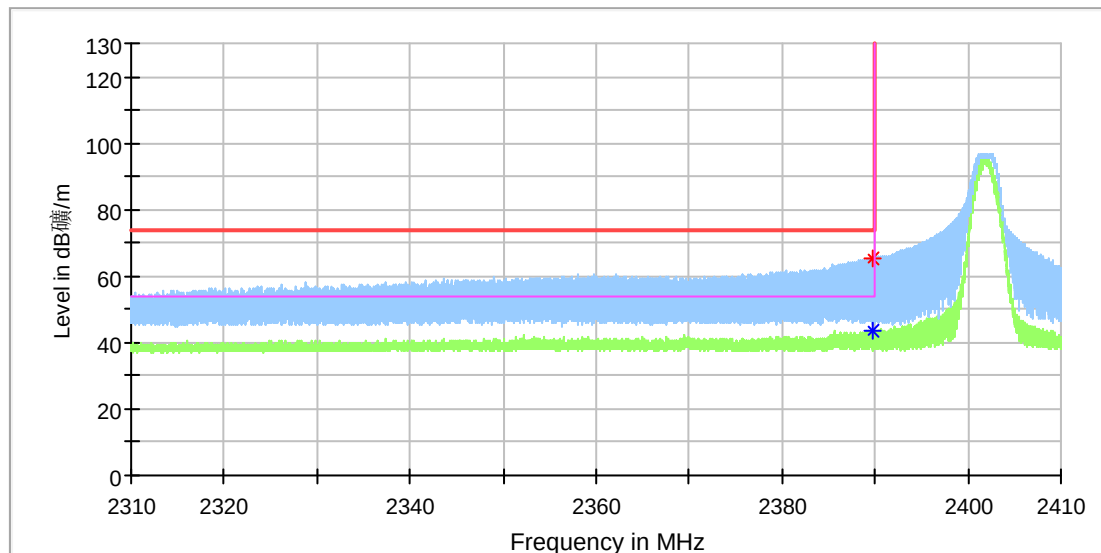
Critical_Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2483.575000	64.39	---	74.00	9.61	100.0	V	0.0	7.4
2483.820000	---	43.73	54.00	10.27	100.0	V	0.0	7.4

Model MG680F

EUT Information

EUT Name:	Lenovo Wireless Gaming Mouse
Model:	MG680F
Test Mode:	Low channel
Order No/Sample No:	168363715/A003252373-003
Test Voltage:	Battery
Remark:	Temp 23 Humi:58%
Test Standard:	FCC 15.249
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

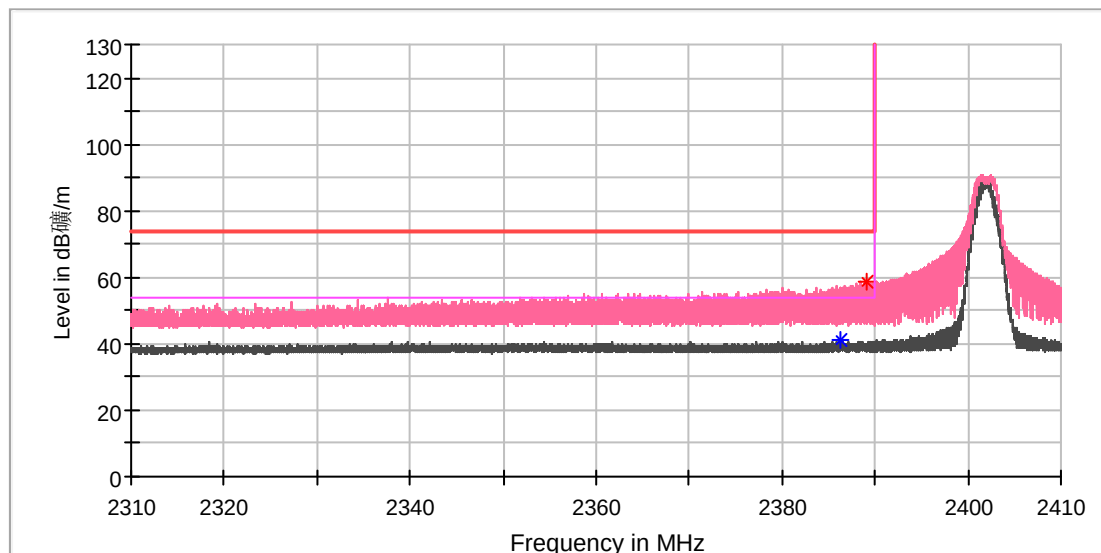


Critical Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2389.840000	65.35	---	74.00	8.65	100.0	H	342.0	7.0
2389.840000	---	43.45	54.00	10.55	100.0	H	342.0	7.0

EUT Information

EUT Name: Lenovo Wireless Gaming Mouse
Model: MG680F
Test Mode: Low channel
Order No/Sample No: 168363715/A003252373-003
Test Voltage: Battery
Remark: Temp 23 Humi:58%
Test Standard: FCC 15.249
Tested By: Kei Zhang
Reviewed By: Terry Yin

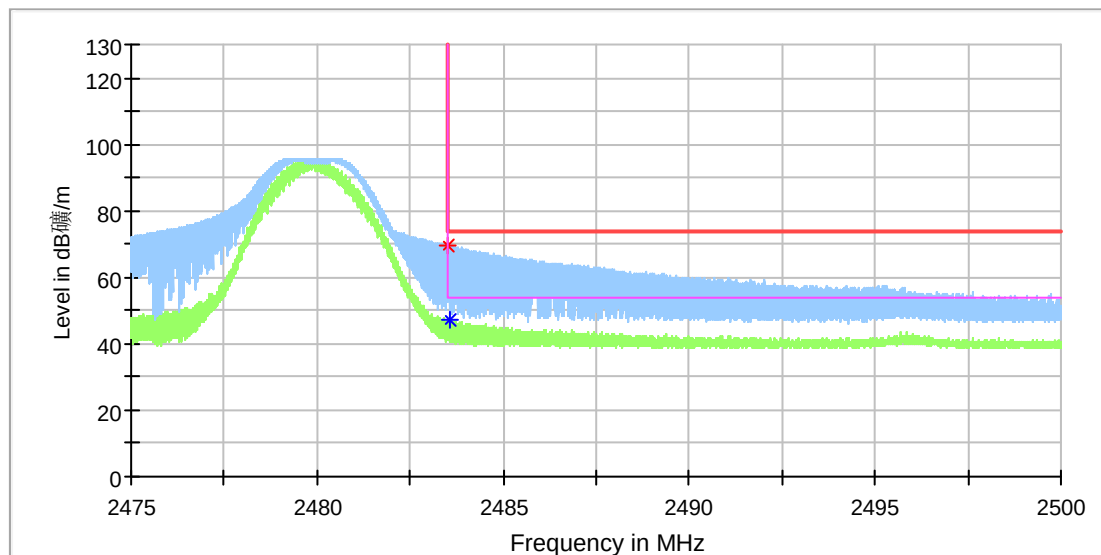


Critical Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2386.370000	---	40.86	54.00	13.14	100.0	V	24.0	7.0
2389.125000	58.53	---	74.00	15.47	100.0	V	105.0	7.0

EUT Information

EUT Name:	Lenovo Wireless Gaming Mouse
Model:	MG680F
Test Mode:	High channel
Order No/Sample No:	168363715/A003252373-003
Test Voltage:	Battery
Remark:	Temp 23 Humi:58%
Test Standard:	FCC 15.249
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

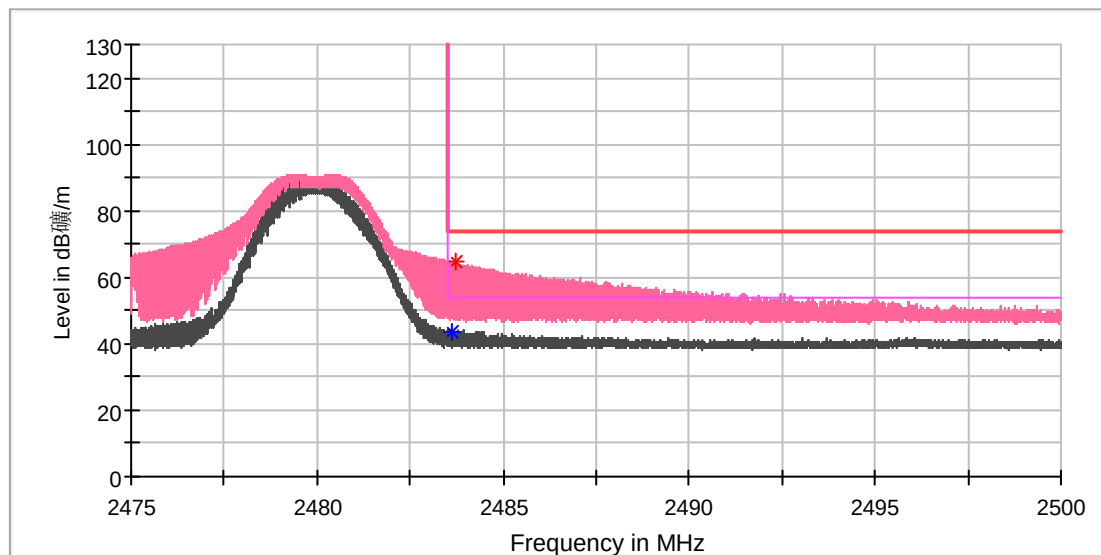


Critical Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2483.523750	69.52	---	74.00	4.48	100.0	H	340.0	7.4
2483.561250	---	46.94	54.00	7.06	100.0	H	340.0	7.4

EUT Information

EUT Name:	Lenovo Wireless Gaming Mouse
Model:	MG680F
Test Mode:	High channel
Order No/Sample No:	168363715/A003252373-003
Test Voltage:	Battery
Remark:	Temp 23 Humi:58%
Test Standard:	FCC 15.249
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

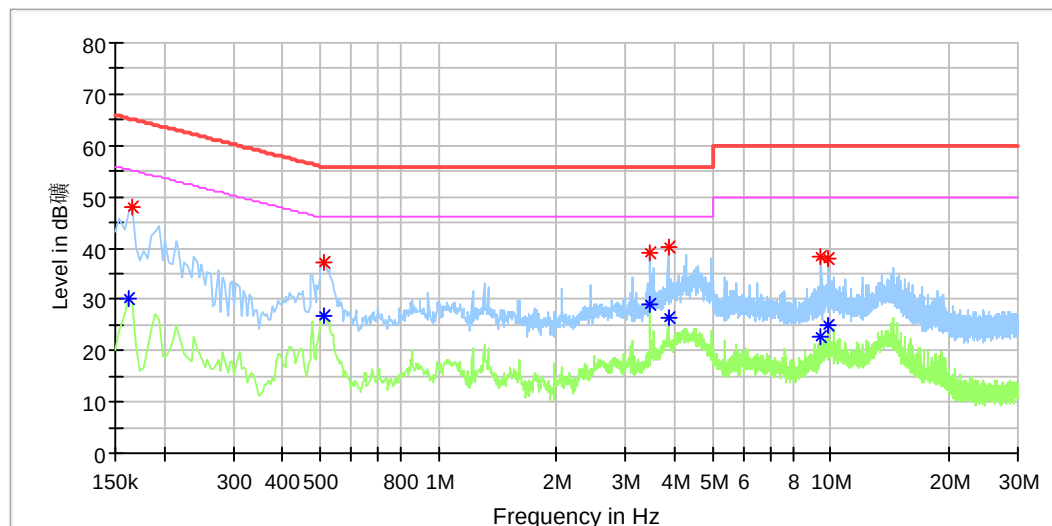
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2483.636250	---	43.78	54.00	10.22	100.0	V	93.0	7.4
2483.751250	64.79	---	74.00	9.21	100.0	V	93.0	7.4

Appendix B.5: Test Results of Conducted Emission on AC Mains

Model MG880F

EUT Information

EUT Name:	Lenovo Wireless Gaming Mouse
Order No:	168363715
Model:	MG880F
Test mode:	USB C Charging+2.4G
Test Voltage:	AC 120V/60Hz
Test By:	Steve Lan
Review By:	Gary Chen
Tem./Hum./Pressure:	23.9°C/53%/101kPa

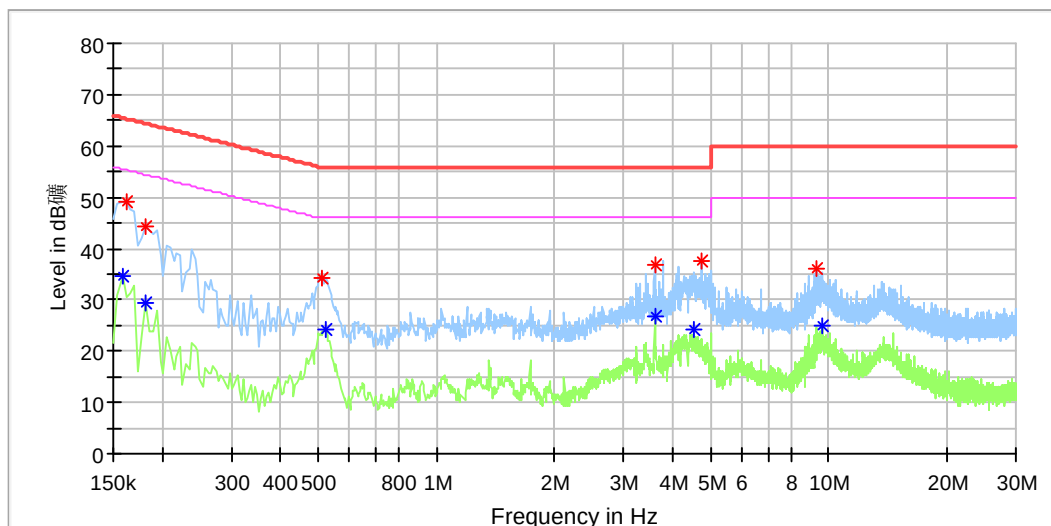


Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)
0.162000	---	30.02	55.36	25.34	L1	9.9
0.166000	48.11	---	65.16	17.05	L1	9.9
0.510000	37.26	---	56.00	18.74	L1	10.0
0.510000	---	26.71	46.00	19.29	L1	10.0
3.474000	39.05	---	56.00	16.95	L1	10.2
3.474000	---	28.97	46.00	17.03	L1	10.2
3.854000	---	26.36	46.00	19.64	L1	10.2
3.854000	40.00	---	56.00	16.00	L1	10.2
9.470000	---	22.82	50.00	27.18	L1	10.3
9.470000	38.18	---	60.00	21.82	L1	10.3
9.822000	38.09	---	60.00	21.91	L1	10.3
9.838000	---	24.88	50.00	25.12	L1	10.3

EUT Information

EUT Name: Lenovo Wireless Gaming Mouse
Order No: 168363715
Model: MG880F
Test mode: USB C Charging+2.4G
Test Voltage: AC 120V/60Hz
Test By: Steve Lan
Review By: Gary Chen
Tem./Hum./Pressure: 23.9°C/53%/101kPa



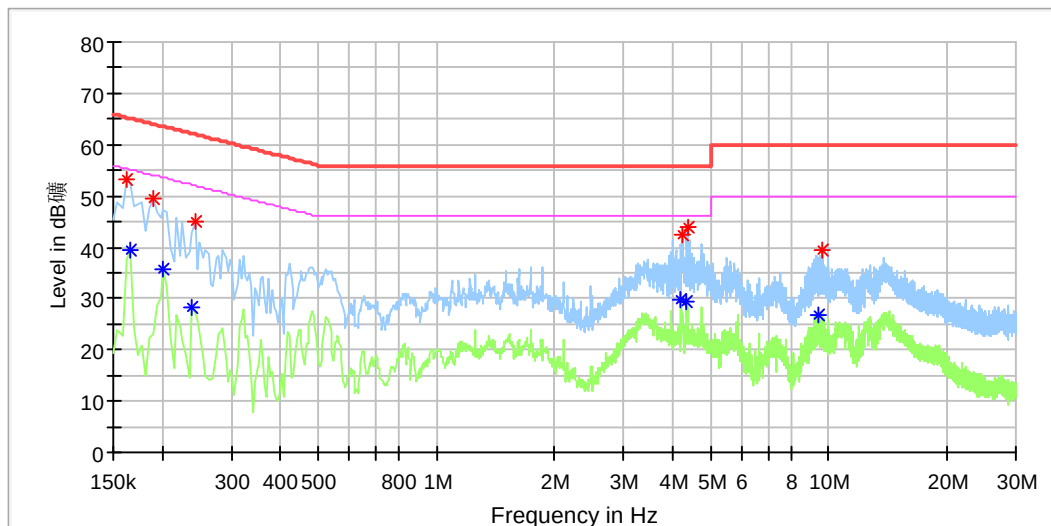
Critical_Freqs

Frequency (MHz)	MaxPeak (dBμV)	Average (dBμV)	Limit (dBμV)	Margin (dB)	Line	Corr. (dB)
0.158000	---	34.64	55.57	20.92	N	9.8
0.162000	49.10	---	65.36	16.26	N	9.8
0.182000	44.41	---	64.39	19.99	N	9.8
0.182000	---	29.25	54.39	25.14	N	9.8
0.514000	34.40	---	56.00	21.60	N	9.8
0.522000	---	24.33	46.00	21.67	N	9.8
3.602000	36.90	---	56.00	19.10	N	9.9
3.602000	---	26.65	46.00	19.35	N	9.9
4.542000	---	24.05	46.00	21.95	N	9.9
4.726000	37.65	---	56.00	18.35	N	9.9
9.274000	36.09	---	60.00	23.91	N	10.0
9.654000	---	25.01	50.00	24.99	N	10.0

Model MG680F

EUT Information

EUT Name:	Lenovo Wireless Gaming Mouse
Order No:	168363715
Model:	MG680F
Test mode:	USB C Charging+2.4G
Test Voltage:	AC 120V/60Hz
Test By:	Steve Lan
Review By:	Gary Chen
Tem./Hum./Pressure:	23.9°C/53%/101kPa

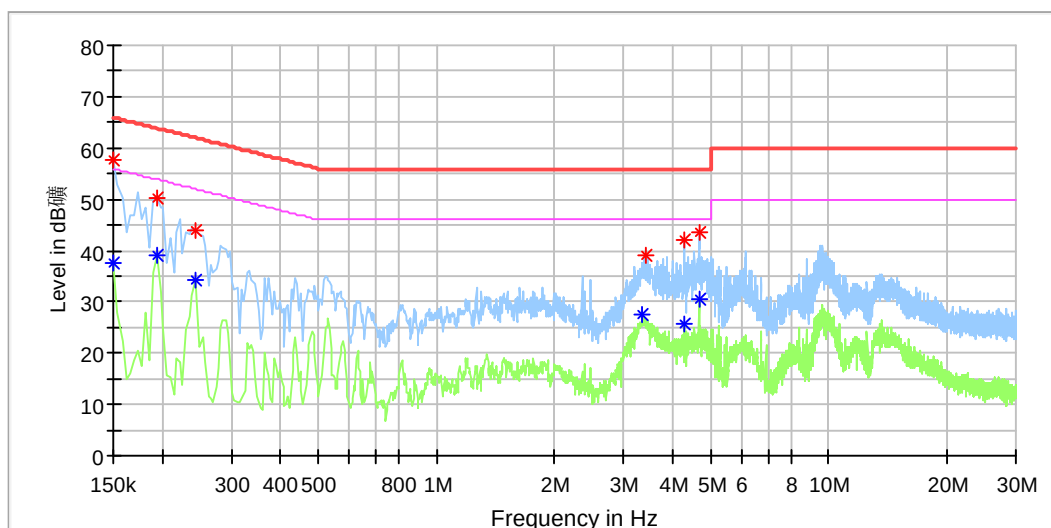


Critical Freqs

Frequency (MHz)	MaxPeak (dBµV)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)
0.162000	53.32	---	65.36	12.04	L1	9.9
0.166000	---	39.33	55.16	15.83	L1	9.9
0.190000	49.36	---	64.04	14.68	L1	9.9
0.202000	---	35.68	53.53	17.85	L1	9.9
0.238000	---	28.20	52.17	23.97	L1	9.9
0.242000	44.88	---	62.03	17.15	L1	9.9
4.210000	---	29.86	46.00	16.14	L1	10.2
4.242000	42.39	---	56.00	13.61	L1	10.2
4.354000	---	29.44	46.00	16.56	L1	10.2
4.362000	43.93	---	56.00	12.07	L1	10.2
9.406000	---	26.75	50.00	23.25	L1	10.3
9.606000	39.46	---	60.00	20.54	L1	10.3

EUT Information

EUT Name: Lenovo Wireless Gaming Mouse
 Order No: 168363715
 Model: MG680F
 Test mode: USB C Charging+2.4G
 Test Voltage: AC 120V/60Hz
 Test By: Steve Lan
 Review By: Gary Chen
 Tem./Hum./Pressure: 23.9°C/53%/101kPa



Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)
0.150000	57.81	---	66.00	8.19	N	9.8
0.150000	---	37.60	56.00	18.40	N	9.8
0.194000	50.32	---	63.86	13.55	N	9.8
0.194000	---	39.15	53.86	14.72	N	9.8
0.242000	---	34.19	52.03	17.84	N	9.8
0.242000	43.97	---	62.03	18.05	N	9.8
3.358000	---	27.53	46.00	18.47	N	9.9
3.418000	39.20	---	56.00	16.80	N	9.9
4.278000	---	25.55	46.00	20.45	N	9.9
4.278000	42.04	---	56.00	13.96	N	9.9
4.666000	---	30.39	46.00	15.61	N	9.9
4.674000	43.49	---	56.00	12.51	N	9.9