

Appendix A: Test Results

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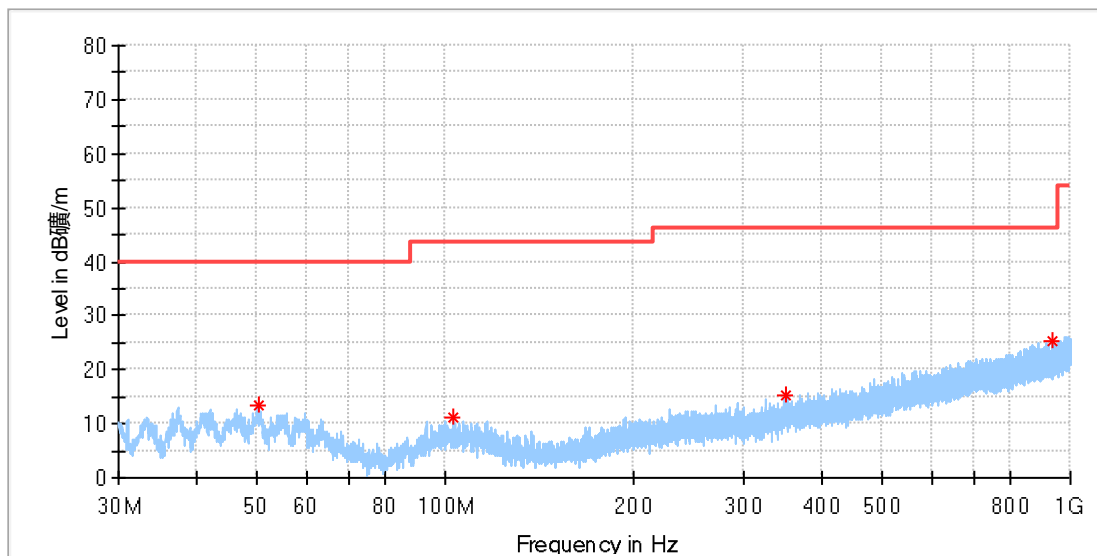
Appendix A.1: Test Results of Field strength of fundamental & harmonics

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

EUT Information

EUT Name:	Lenovo EOS 2.4G Wireless Mouse Gen3
Model:	MORFPDO
Test Mode:	2.4G Mid CH
Order No/Sample No:	168473368/A003705468-009
Test Voltage:	Battery
Remark:	Temp 23 Humi:58%
Test Standard:	FCC 15.249
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

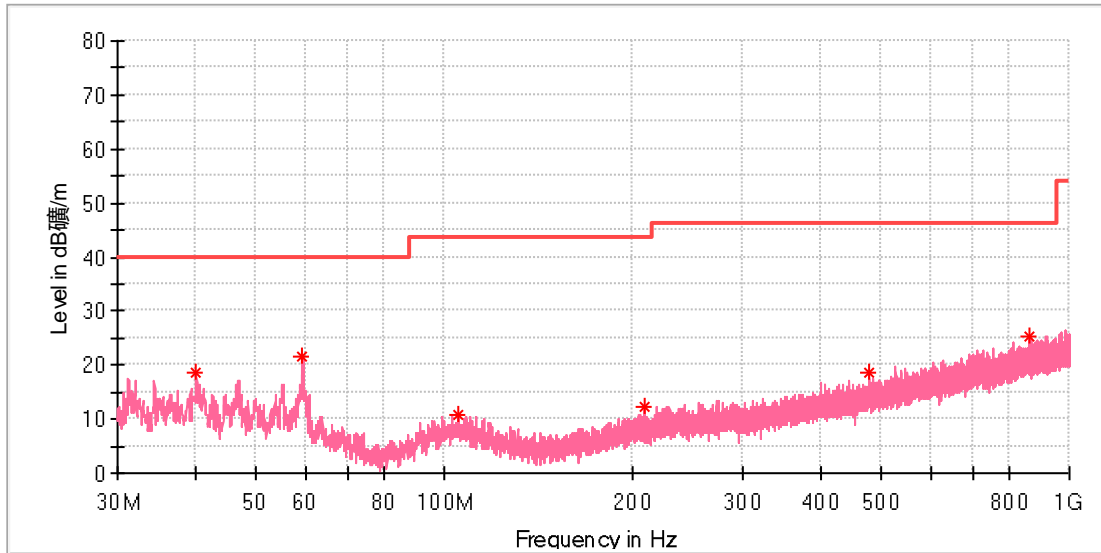
Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
50.295385	13.37	40.00	26.63	100.0	H	140.0	-18.6
103.123077	11.11	43.50	32.39	100.0	H	113.0	-19.2
350.435769	15.31	46.00	30.70	100.0	H	179.0	-15.2
935.159231	25.43	46.00	20.57	100.0	H	78.0	-5.1

Final_Result

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
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EUT Information

EUT Name: Lenovo EOS 2.4G Wireless Mouse Gen3
 Model: MORFPDO
 Test Mode: 2.4G Mid CH
 Order No/Sample No: 168473368/A003705468-009
 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)	MaxiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
40.110385	18.54	40.00	21.46	100.0	V	108.0	-20.4
59.361154	21.58	40.00	18.42	100.0	V	261.0	-19.2
105.063077	10.90	43.50	32.60	100.0	V	147.0	-19.1
208.591923	12.39	43.50	31.11	100.0	V	164.0	-19.2
476.349231	18.57	46.00	27.43	100.0	V	16.0	-12.7
865.766923	25.22	46.00	20.78	100.0	V	214.0	-5.7

Final_Result

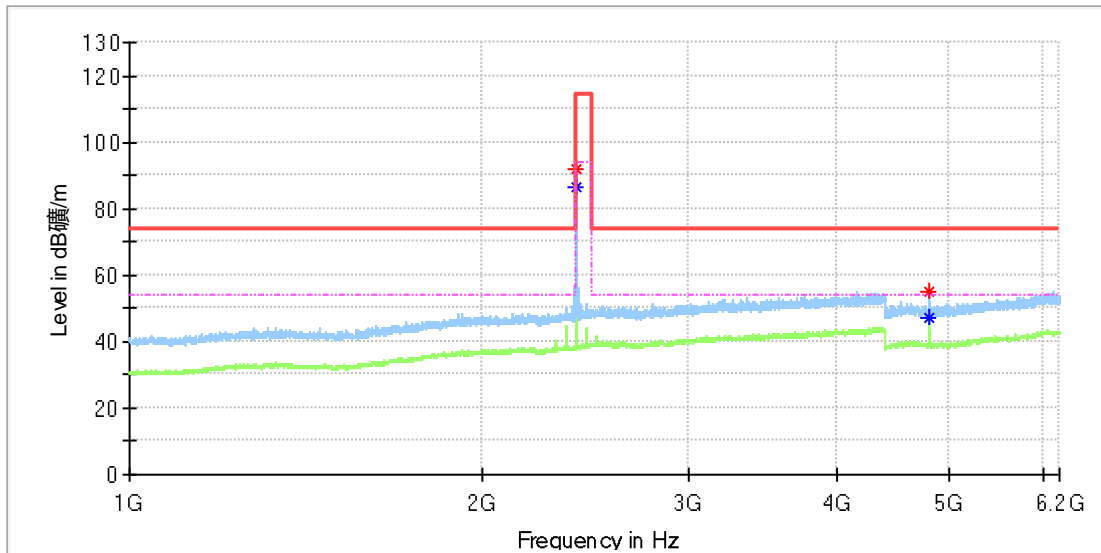
Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
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1GHz - 18GHz

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

EUT Information

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Critical Freqs

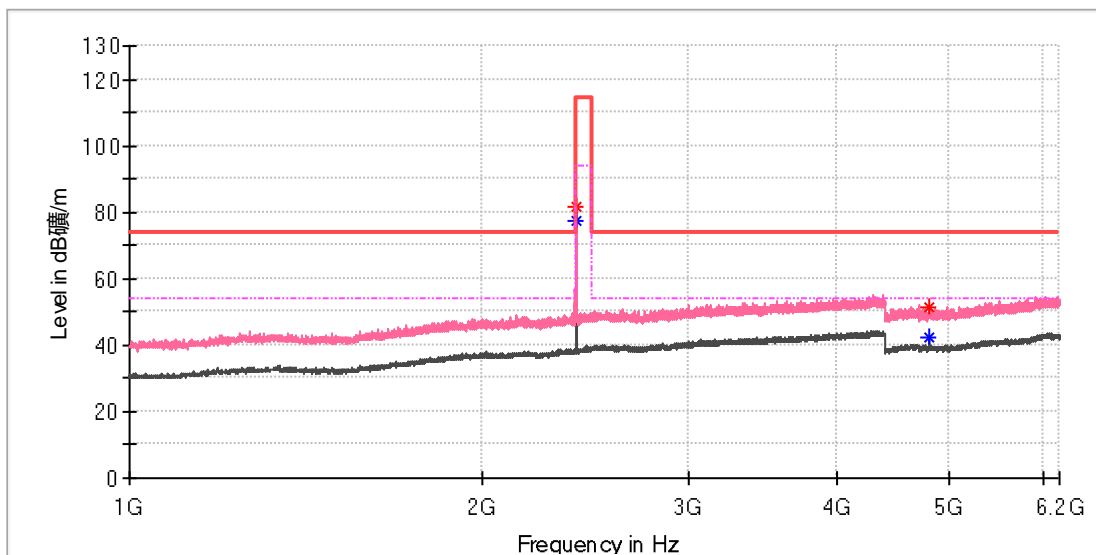
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2402.500000	92.04	---	114.00	21.96	150.0	H	4.0	7.0
2403.000000	---	86.69	94.00	7.31	150.0	H	123.0	7.0
4806.500000	55.13	---	74.00	18.87	150.0	H	183.0	11.8
4806.500000	---	47.40	54.00	6.60	150.0	H	183.0	11.8

Final Result

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---		---	---

EUT Information

EUT Name: Lenovo EOS 2.4G Wireless Mouse Gen3
 Model: MORFPDO
 Test Mode: 2.4G L CH
 Order No/Sample No: 168473368/A003705468-009
 Test Voltage: Battery
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 Test Standard: FCC 15.249
 Tested By: Kei Zhang
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Critical_Freqs

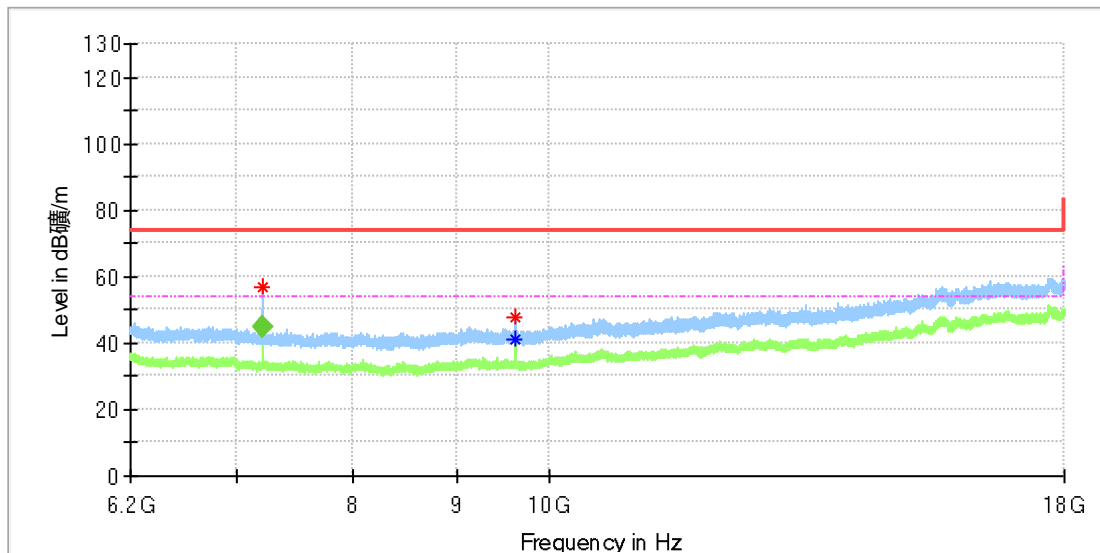
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2403.500000	81.73	---	114.00	32.27	150.0	V	0.0	7.0
2403.500000	---	77.53	94.00	16.47	150.0	V	0.0	7.0
4805.000000	51.33	---	74.00	22.67	150.0	V	347.0	11.8
4806.000000	---	42.26	54.00	11.74	150.0	V	169.0	11.8

Final_Result

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---		---	---

EUT Information

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 Model: MORFPDO
 Test Mode: 2.4G L CH
 Order No/Sample No: 168473368/A003705468-009
 Test Voltage: Battery
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Critical_Freqs

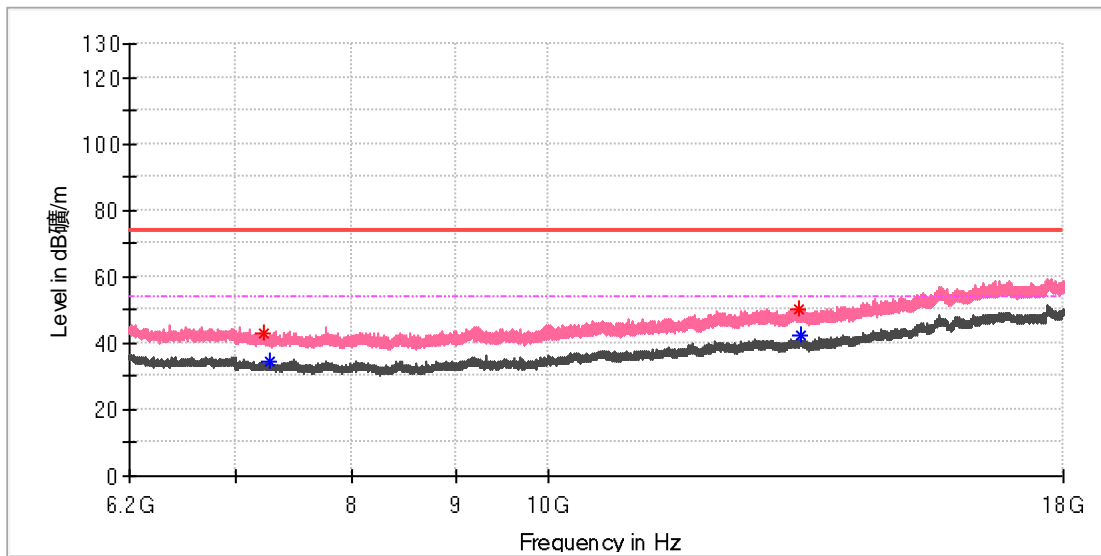
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7210.375000	57.04	---	74.00	16.96	150.0	H	190.0	8.7
9613.641667	48.00	---	74.00	26.00	150.0	H	0.0	10.4
9614.133333	---	41.03	54.00	12.97	150.0	H	0.0	10.4

Final_Result

Frequency (MHz)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7209.041667	44.68	54.00	9.32	150.0	H	190.0	8.8

EUT Information

EUT Name: Lenovo EOS 2.4G Wireless Mouse Gen3
 Model: MORFPDO
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 Order No/Sample No: 168473368/A003705468-009
 Test Voltage: Battery
 Remark: Temp 23 Humi:58%
 Test Standard: FCC 15.249
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Critical Freqs

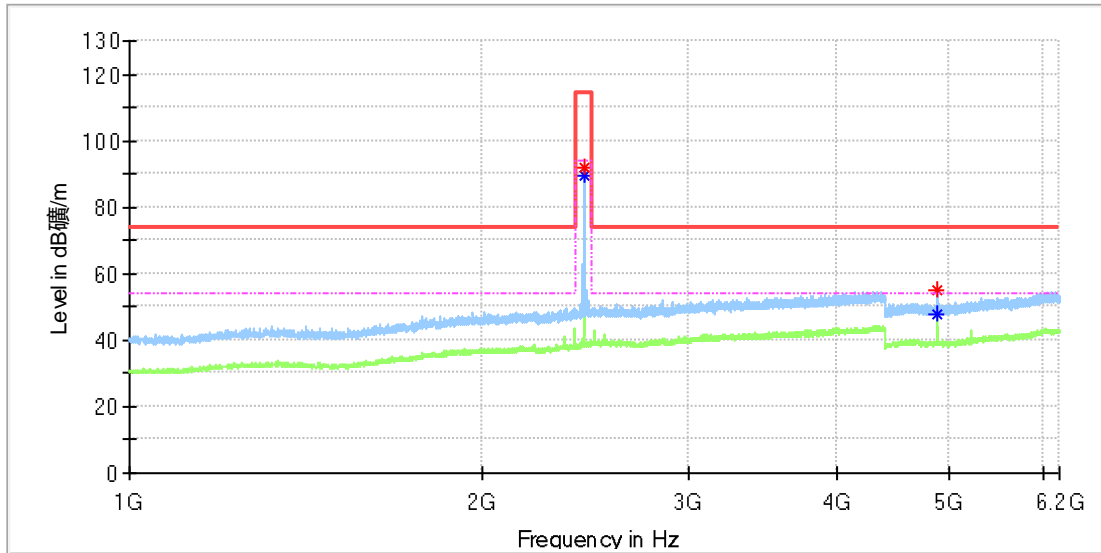
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7232.008333	43.22	---	74.00	30.78	150.0	V	157.0	8.6
7277.733333	---	34.60	54.00	19.40	150.0	V	216.0	8.4
13295.241667	50.28	---	74.00	23.72	150.0	V	11.0	15.5
13339.000000	---	42.42	54.00	11.58	150.0	V	0.0	15.5

Final Result

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---		---	---

EUT Information

EUT Name: Lenovo EOS 2.4G Wireless Mouse Gen3
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 Test Mode: 2.4G Mid CH
 Order No/Sample No: 168473368/A003705468-009
 Test Voltage: Battery
 Remark: Temp 23 Humi:58%
 Test Standard: FCC 15.249
 Tested By: Kei Zhang
 Reviewed By: Terry Yin



Critical Freqs

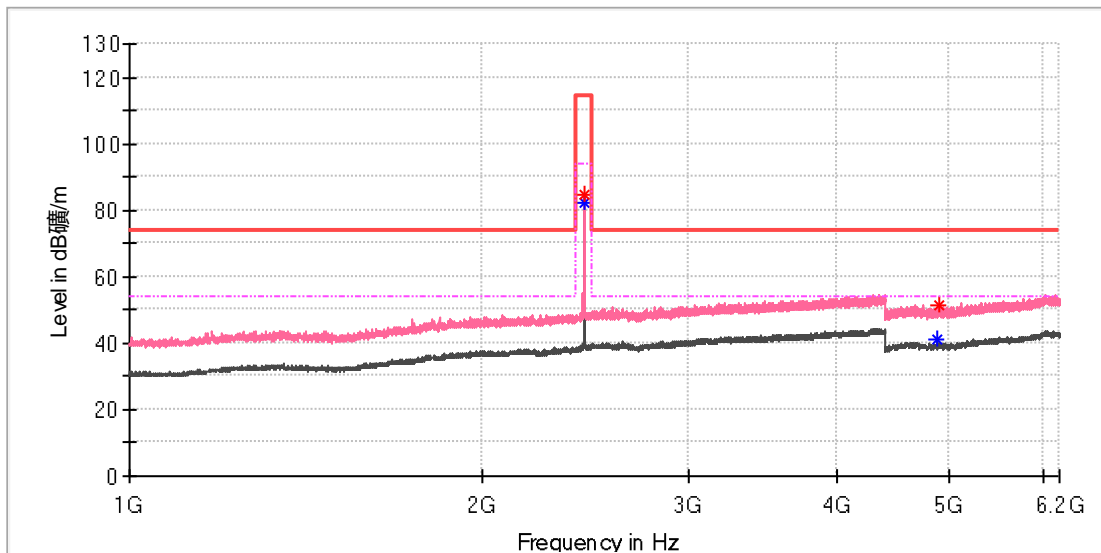
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2439.500000	91.77	---	114.00	22.23	150.0	H	40.0	7.4
2440.000000	---	89.45	94.00	4.55	150.0	H	40.0	7.4
4880.500000	55.10	---	74.00	18.90	150.0	H	104.0	11.8
4881.000000	---	47.56	54.00	6.44	150.0	H	104.0	11.8

Final Result

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---		---	---

EUT Information

EUT Name: Lenovo EOS 2.4G Wireless Mouse Gen3
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 Test Mode: 2.4G Mid CH
 Order No/Sample No: 168473368/A003705468-009
 Test Voltage: Battery
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Critical Freqs

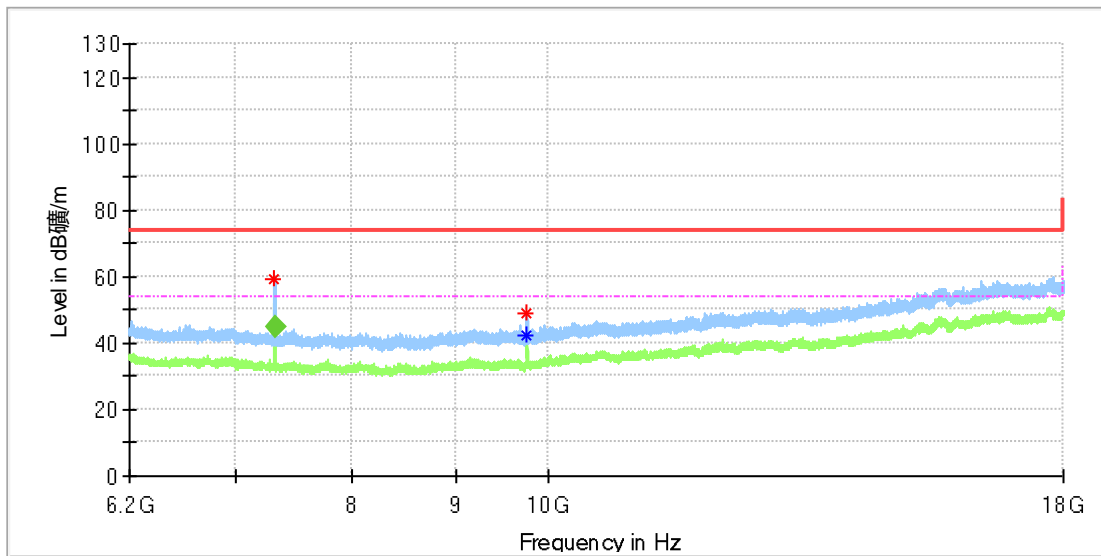
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2439.500000	84.62	---	114.00	29.38	150.0	V	0.0	7.4
2440.000000	---	82.32	94.00	11.68	150.0	V	0.0	7.4
4879.000000	---	41.27	54.00	12.73	150.0	V	7.0	11.8
4900.500000	51.64	---	74.00	22.36	150.0	V	242.0	11.8

Final Result

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---		---	---

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Order No/Sample No:	168473368/A003705468-009
Test Voltage:	Battery
Remark:	Temp 23 Humi:58%
Test Standard:	FCC 15.249
Tested By:	Kei Zhang
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Critical_Freqs

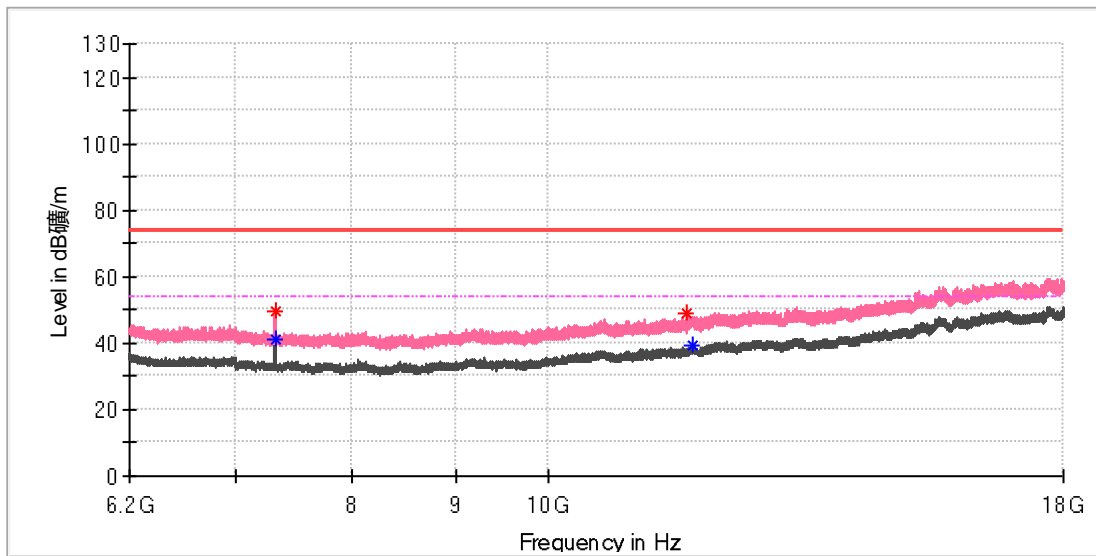
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7318.050000	59.01	---	74.00	14.99	150.0	H	123.0	8.2
9757.700000	49.02	---	74.00	24.98	150.0	H	51.0	10.4
9758.683333	---	42.14	54.00	11.86	150.0	H	342.0	10.4

Final_Result

Frequency (MHz)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7320.024584	44.65	54.00	9.35	150.0	H	64.0	8.2

EUT Information

EUT Name: Lenovo EOS 2.4G Wireless Mouse Gen3
 Model: MORFPDO
 Test Mode: 2.4G Mid CH
 Order No/Sample No: 168473368/A003705468-009
 Test Voltage: Battery
 Remark: Temp 23 Humi:58%
 Test Standard: FCC 15.249
 Tested By: Kei Zhang
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Critical_Freqs

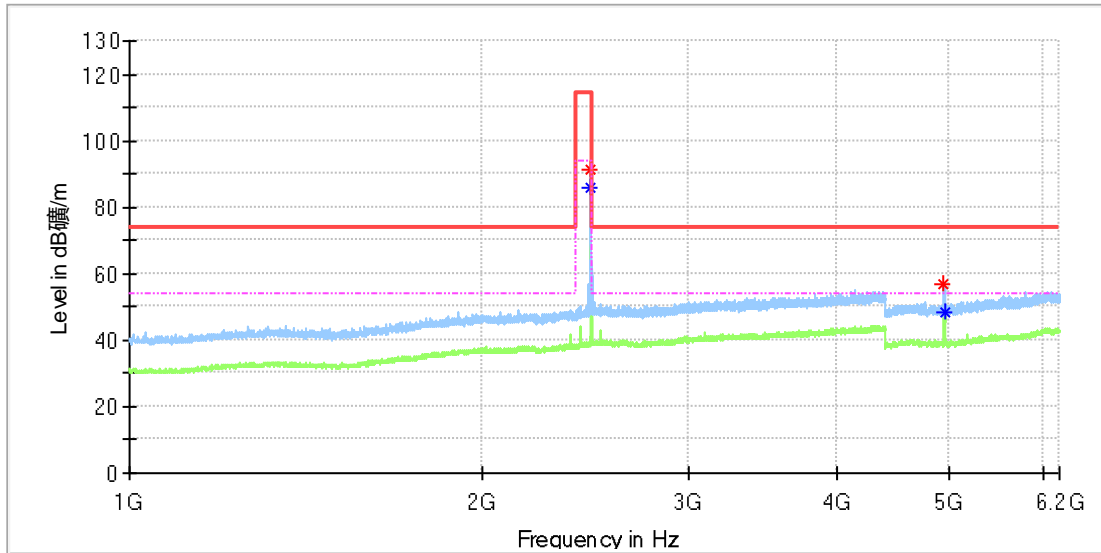
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7321.000000	49.40	---	74.00	24.60	150.0	V	155.0	8.2
7321.491667	---	41.33	54.00	12.67	150.0	V	155.0	8.2
11722.400000	48.74	---	74.00	25.26	150.0	V	191.0	13.3
11783.858333	---	39.35	54.00	14.65	150.0	V	96.0	13.4

Final_Result

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
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EUT Information

EUT Name: Lenovo EOS 2.4G Wireless Mouse Gen3
 Model: MORFPDO
 Test Mode: 2.4G H CH
 Order No/Sample No: 168473368/A003705468-009
 Test Voltage: Battery
 Remark: Temp 23 Humi:58%
 Test Standard: FCC 15.249
 Tested By: Kei Zhang
 Reviewed By: Terry Yin



Critical Freqs

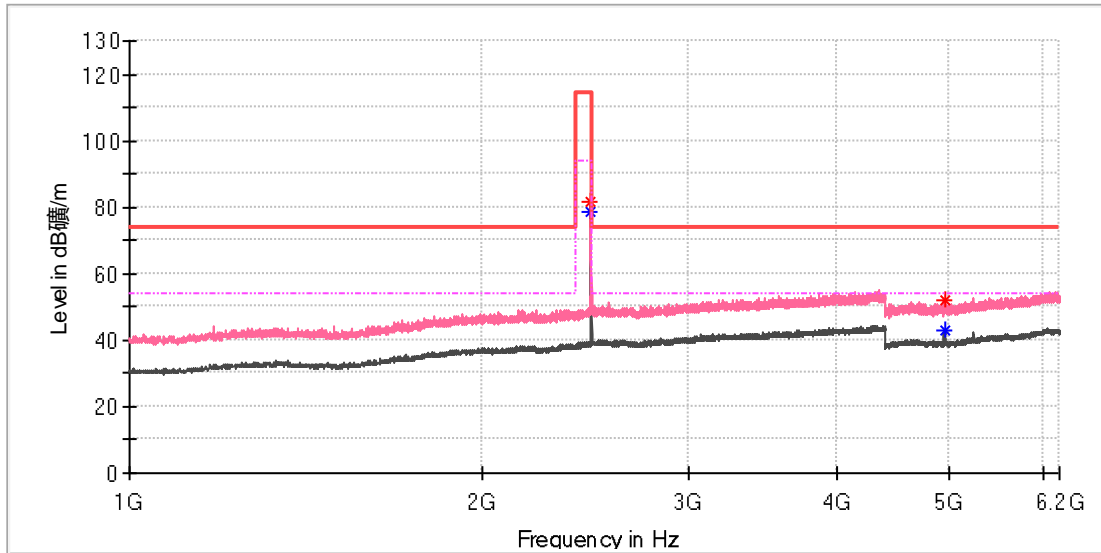
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2472.500000	91.13	---	114.00	22.87	150.0	H	113.0	7.4
2473.000000	---	85.61	94.00	8.39	150.0	H	113.0	7.4
4945.000000	56.58	---	74.00	17.42	150.0	H	301.0	11.8
4947.000000	---	48.63	54.00	5.37	150.0	H	74.0	11.8

Final Result

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---		---	---

EUT Information

EUT Name: Lenovo EOS 2.4G Wireless Mouse Gen3
 Model: MORFPDO
 Test Mode: 2.4G H CH
 Order No/Sample No: 168473368/A003705468-009
 Test Voltage: Battery
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Critical Freqs

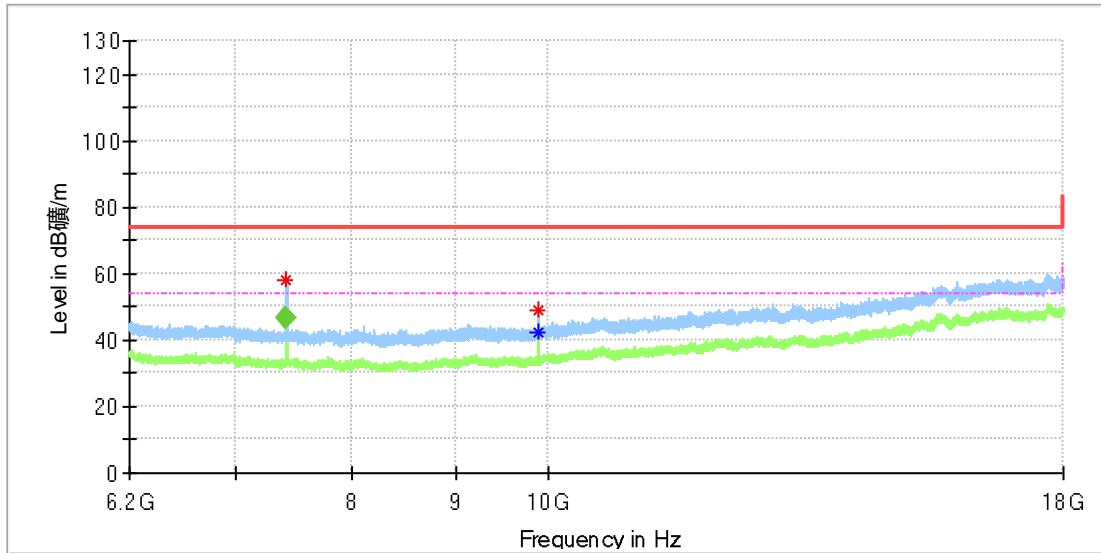
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2473.000000	---	78.82	94.00	15.18	150.0	V	31.0	7.4
2473.500000	81.81	---	114.00	32.19	150.0	V	307.0	7.4
4946.500000	---	42.69	54.00	11.31	150.0	V	351.0	11.8
4947.000000	51.80	---	74.00	22.20	150.0	V	271.0	11.8

Final Result

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
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EUT Information

EUT Name: Lenovo EOS 2.4G Wireless Mouse Gen3
 Model: MORFPDO
 Test Mode: 2.4G H CH
 Order No/Sample No: 168473368/A003705468-009
 Test Voltage: Battery
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Critical_Freqs

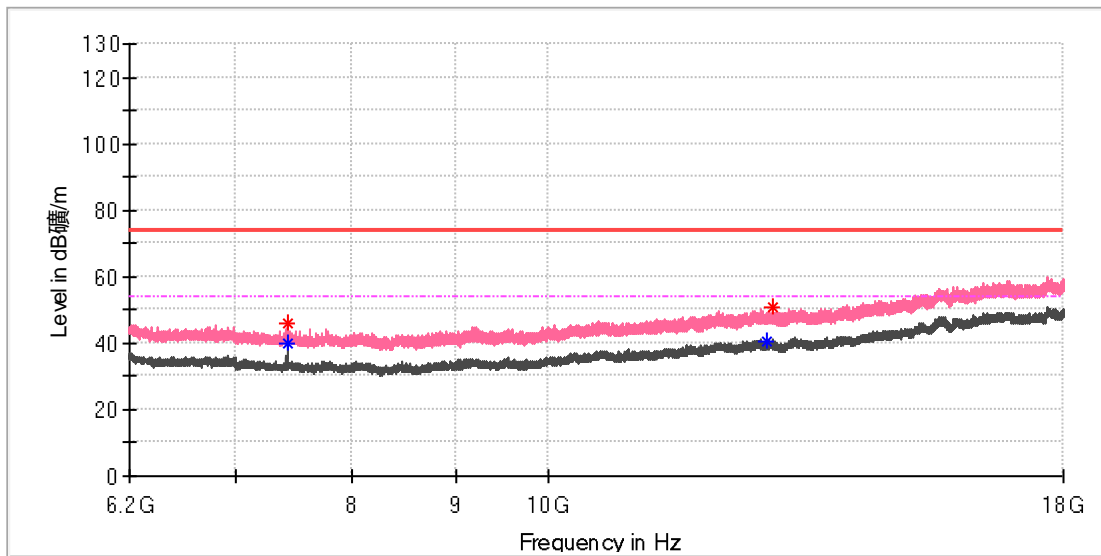
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7417.366667	58.16	---	74.00	15.84	150.0	H	60.0	8.3
9889.958333	49.07	---	74.00	24.93	150.0	H	346.0	10.7
9889.958333	---	42.38	54.00	11.62	150.0	H	346.0	10.7

Final_Result

Frequency (MHz)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7417.660417	46.41	54.00	7.59	150.0	H	60.0	8.3

EUT Information

EUT Name: Lenovo EOS 2.4G Wireless Mouse Gen3
 Model: MORFPDO
 Test Mode: 2.4G H CH
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Critical Freqs

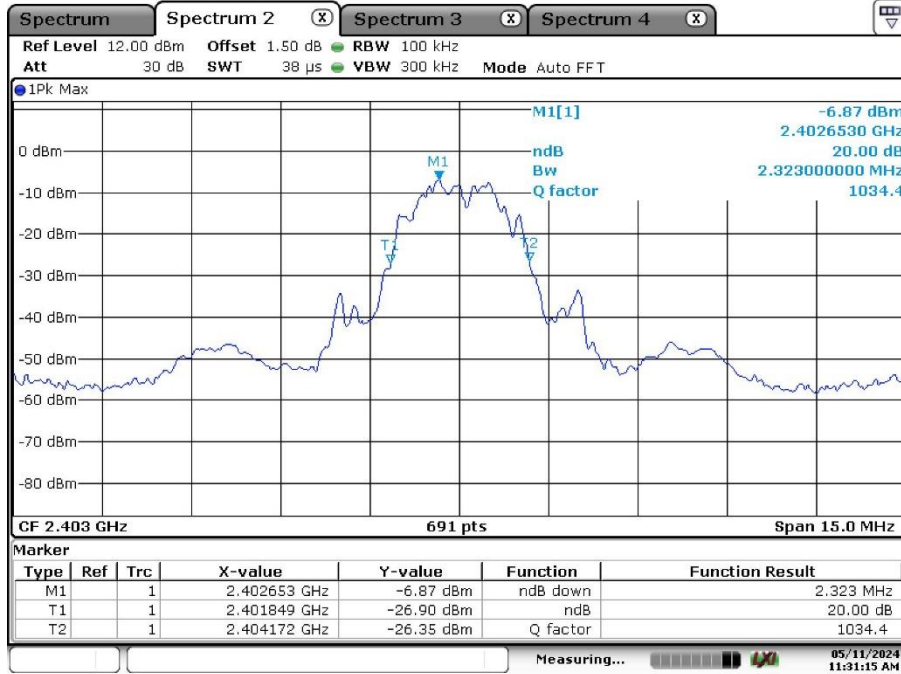
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7420.316667	45.77	---	74.00	28.23	150.0	V	164.0	8.4
7420.316667	---	39.75	54.00	14.25	150.0	V	164.0	8.4
12825.208333	---	40.75	54.00	13.25	150.0	V	0.0	15.3
12915.183333	50.91	---	74.00	23.09	150.0	V	16.0	15.5

Final Result

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
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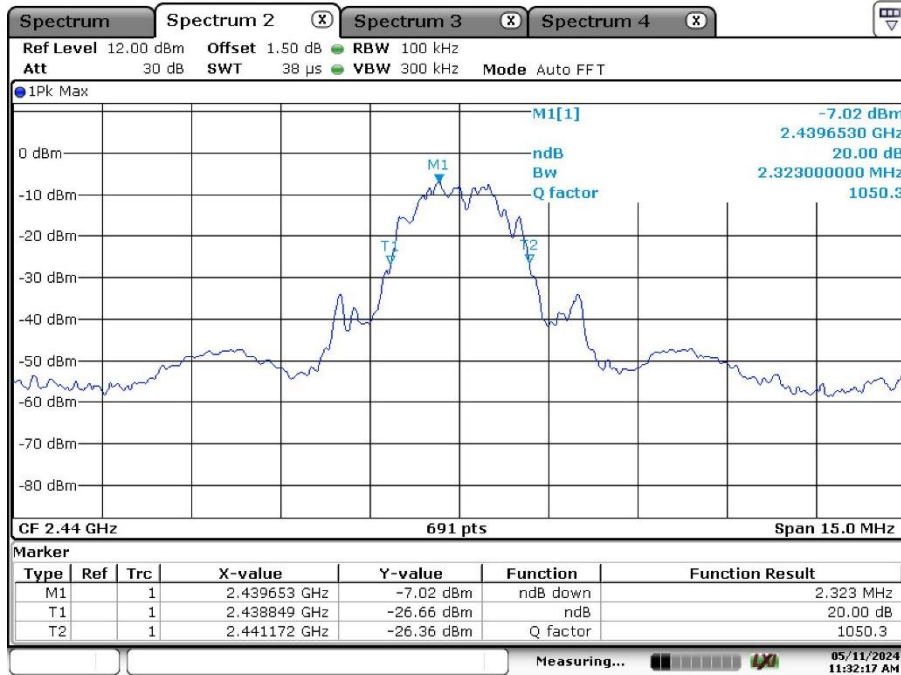
Appendix A.2: Test Results of 20dB Bandwidth

2403 MHz



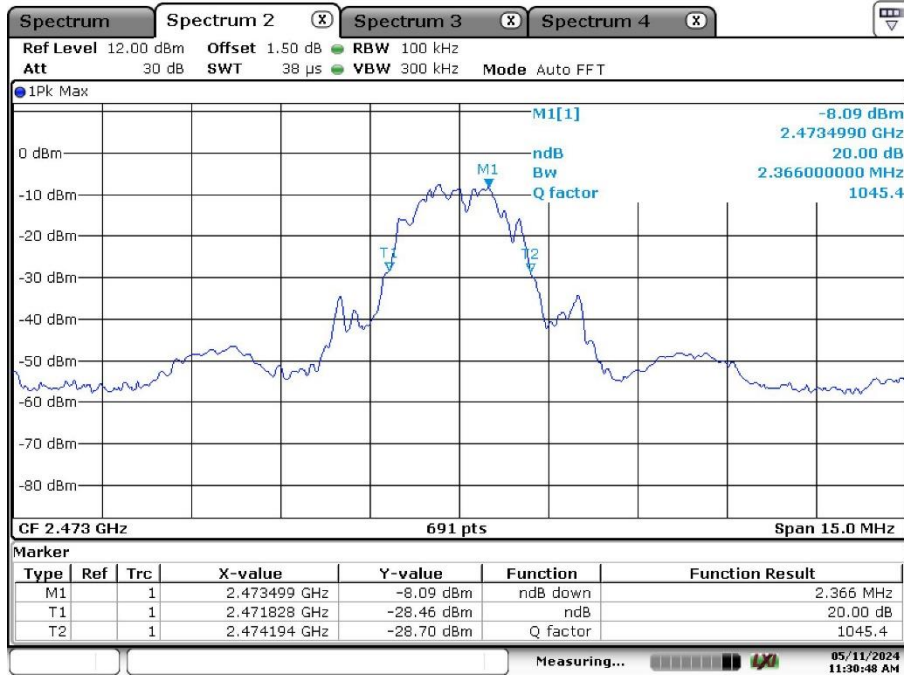
Date: 11.MAY.2024 11:31:15

2440 MHz



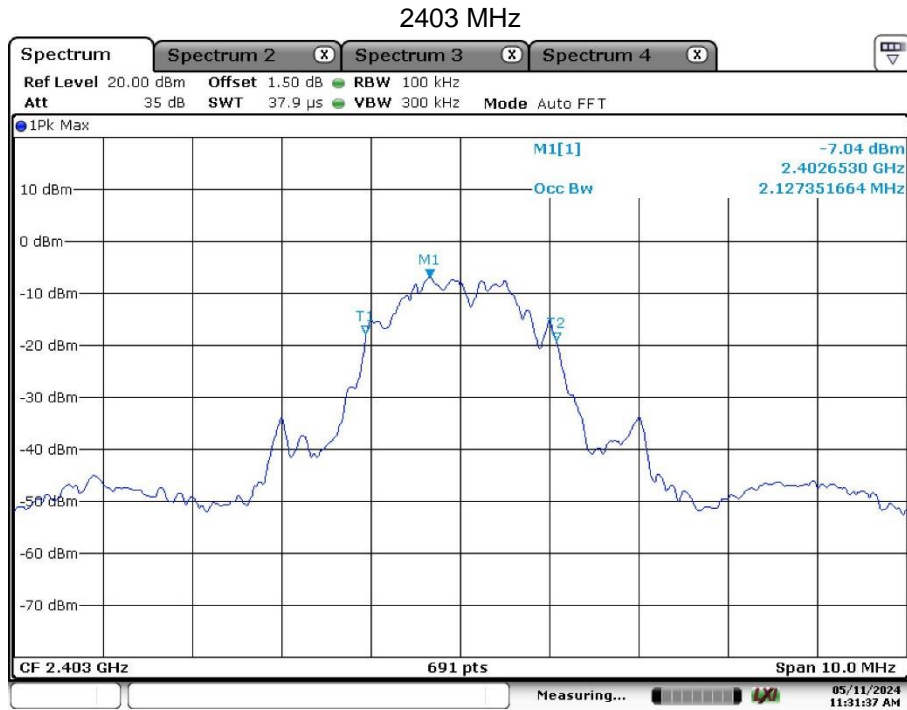
Date: 11.MAY.2024 11:32:17

2473 MHz

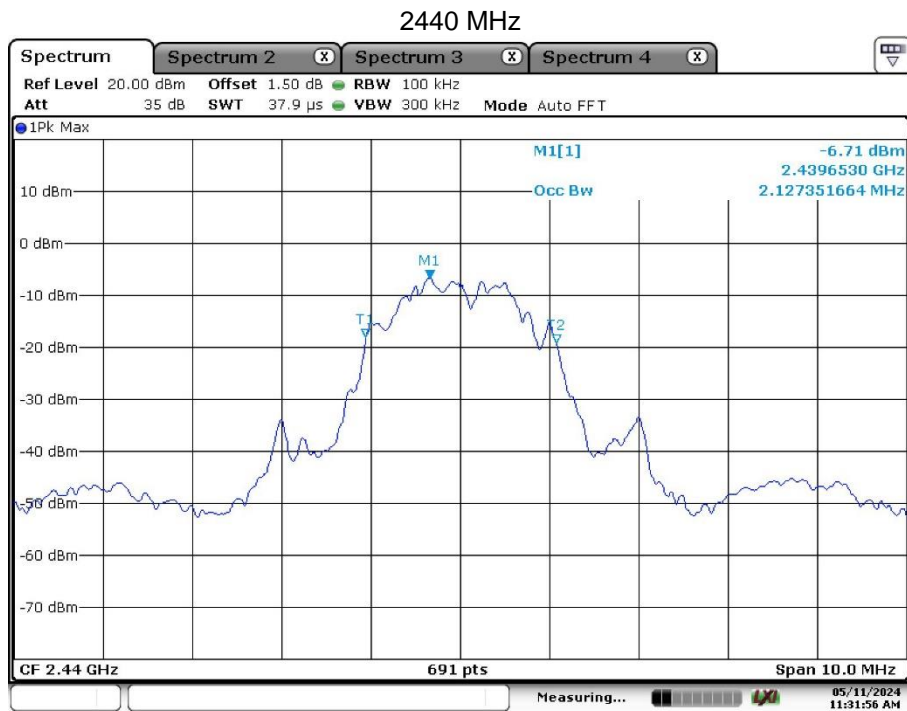


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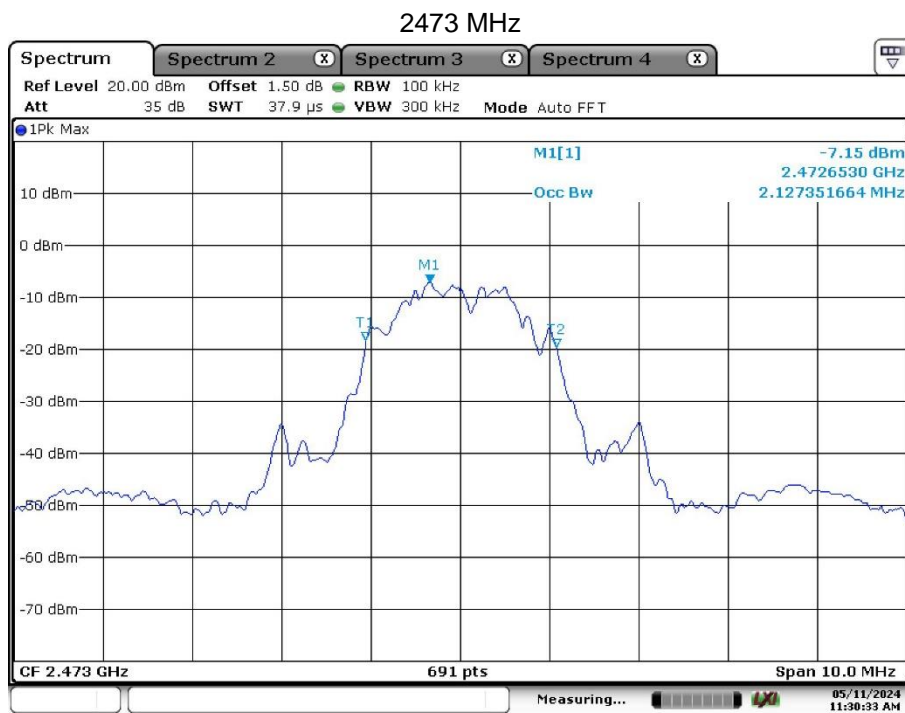
Appendix A.3: Test Results of 99% Bandwidth



Date: 11.MAY.2024 11:31:37



Date: 11.MAY.2024 11:31:56

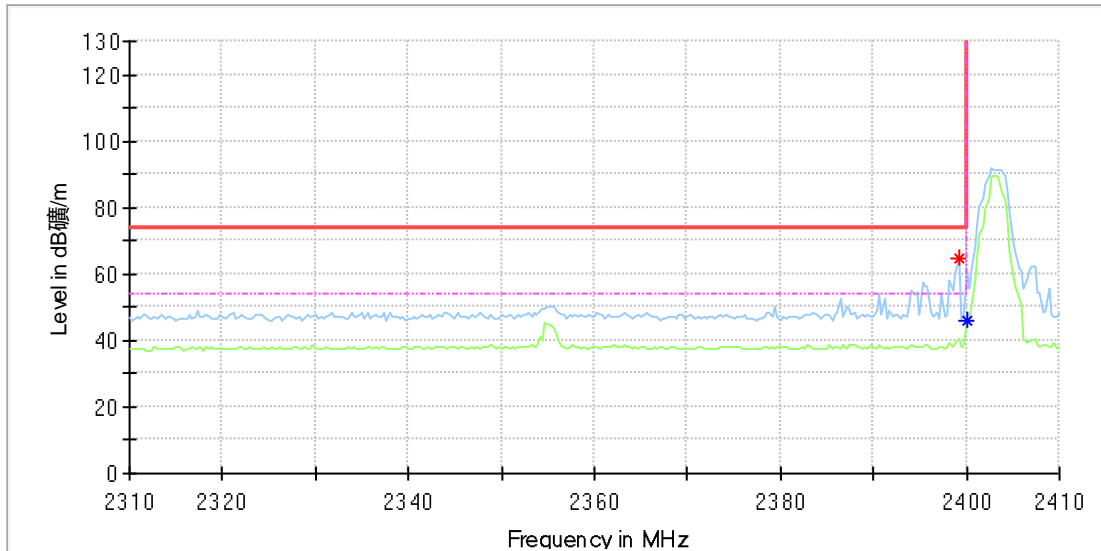


Date: 11.MAY.2024 11:30:33

Appendix A.4: Test Results of Band Edge

EUT Information

EUT Name:	Lenovo EOS 2.4G Wireless Mouse Gen3
Model:	MORFPDO
Test Mode:	2.4G L CH
Order No/Sample No:	168473368/A003705468-009
Test Voltage:	Battery
Remark:	Temp 23 Humi:58%
Test Standard:	FCC 15.249
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

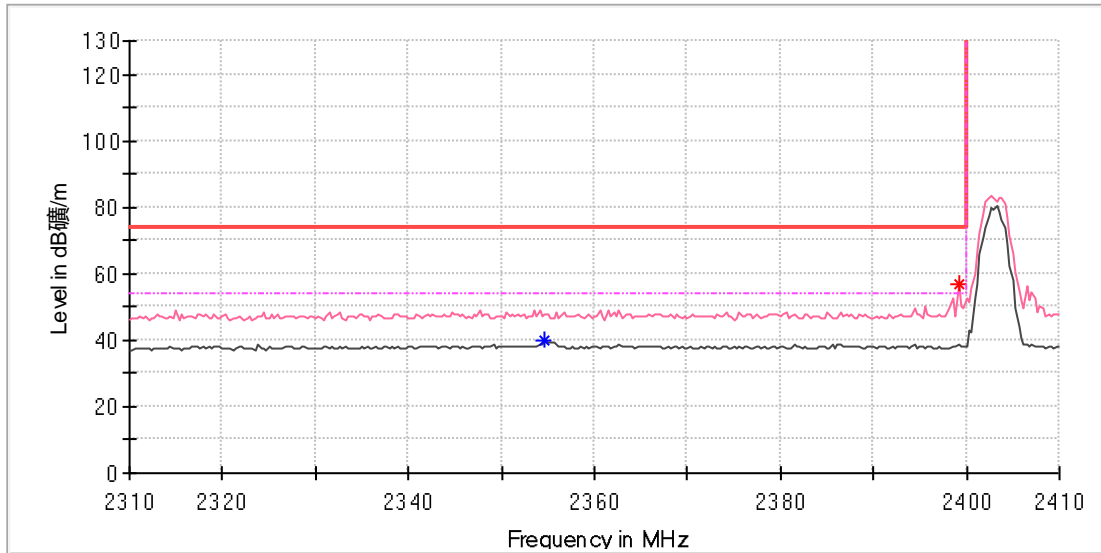
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2399.117647	64.42	---	74.00	9.58	150.0	H	3.0	7.0
2400.000000	---	46.07	54.00	7.93	150.0	H	39.0	7.0

Final Result

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---		---	---

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EUT Name: Lenovo EOS 2.4G Wireless Mouse Gen3
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 Reviewed By: Terry Yin



Critical_Freqs

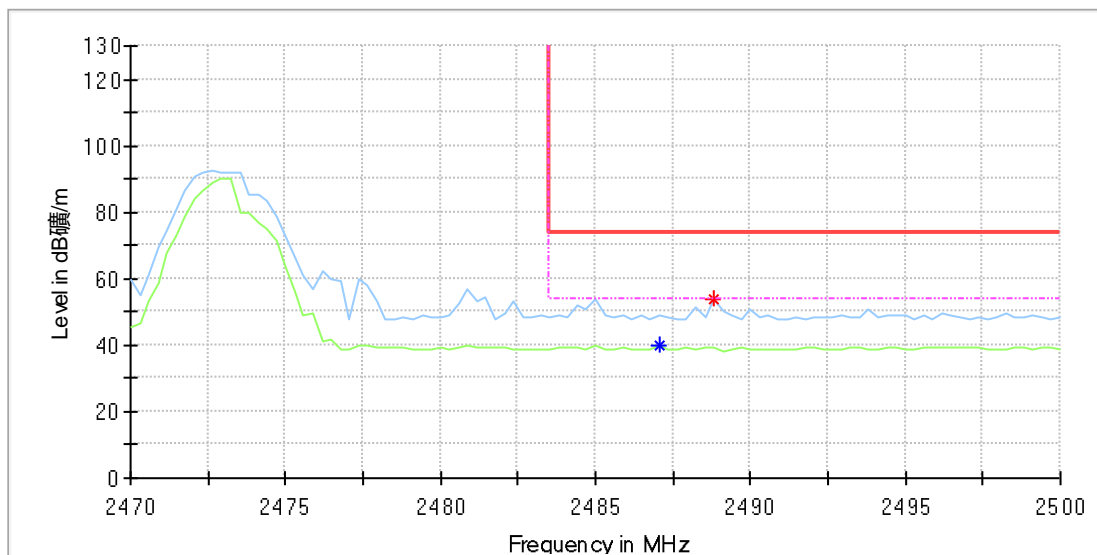
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2354.705882	---	39.67	54.00	14.33	150.0	V	323.0	6.9
2399.117647	57.06	---	74.00	16.94	150.0	V	345.0	7.0

Final_Result

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
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EUT Information

EUT Name: Lenovo EOS 2.4G Wireless Mouse Gen3
 Model: MORFPDO
 Test Mode: 2.4G H CH
 Order No/Sample No: 168473368/A003705468-009
 Test Voltage: Battery
 Remark: Temp 23 Humi:58%
 Test Standard: FCC 15.249
 Tested By: Kei Zhang
 Reviewed By: Terry Yin



Critical_Freqs

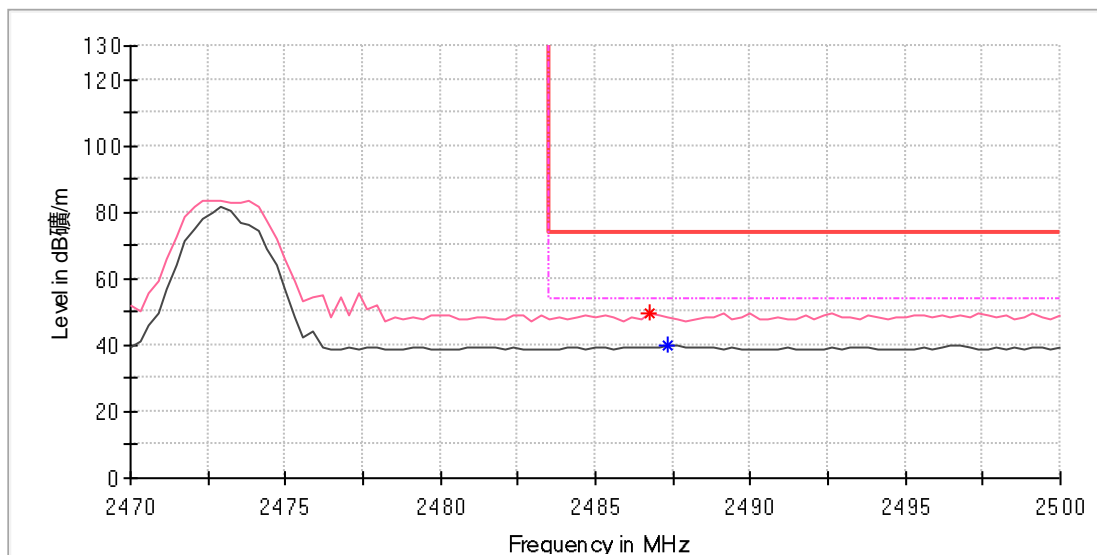
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2487.058824	---	39.64	54.00	14.36	150.0	H	36.0	7.4
2488.823529	54.00	---	74.00	20.00	150.0	H	36.0	7.4

Final_Result

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
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EUT Information

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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)
2486.764706	49.37	---	74.00	24.63	150.0	V	210.0	7.4
2487.352941	---	39.64	54.00	14.36	150.0	V	283.0	7.4

Final Result

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
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