

Appendix B: Test Results

APPENDIX B: TEST RESULTS	1
APPENDIX B.1: TEST RESULTS OF FIELD STRENGTH OF FUNDAMENTAL & HARMONICS	2
30MHz - 1GHz	2
1GHz - 18GHz	6
APPENDIX B.2: TEST RESULTS OF 20DB BANDWIDTH.....	18
APPENDIX B.3: TEST RESULTS OF 99% BANDWIDTH.....	20
APPENDIX B.4: TEST RESULTS OF BAND EDGE.....	22
APPENDIX B.5: TEST RESULTS OF CONDUCTED EMISSION ON AC MAINS	26
<i>Normal operation mode (2.4G).....</i>	<i>26</i>

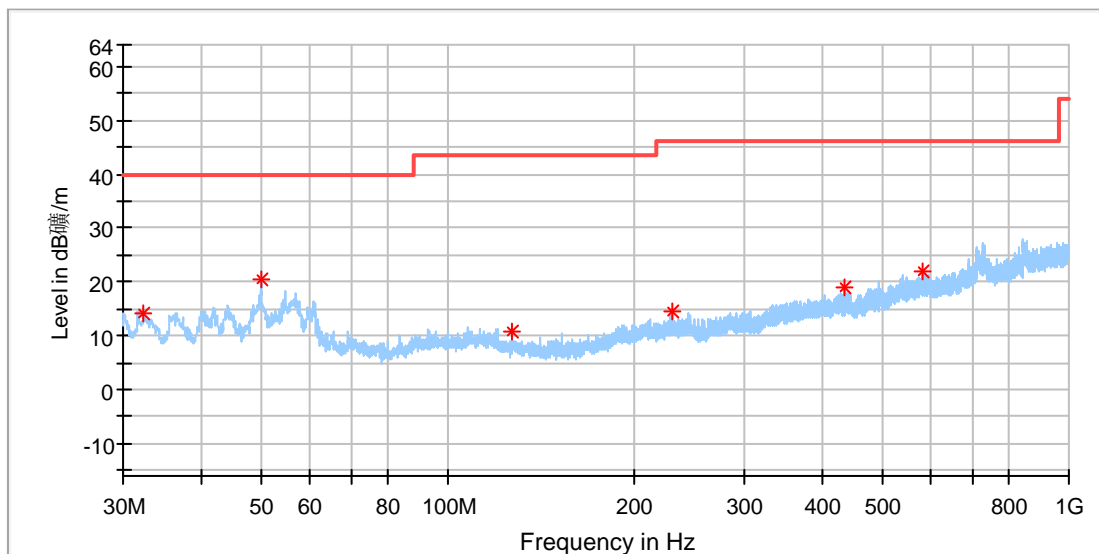
Note: The testing was carried out within frequency range 9kHz to the tenth harmonics. The measurement results below 30MHz and 18GHz to 26.5GHz were greater than 20dB below the limit, so only the radiated spurious emissions from 30MHz to 18GHz were reported.

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

30MHz - 1GHz

EUT Information

EUT Name:	Lenovo Go Multi-Device Mouse
Model:	MB605T
Test Mode:	2.4G-SRD_2402MHz
Test Voltage::	Battery
Remark:	Temp 23 Humi:48%
Test Standard:	FCC 15.249
Tested By:	Alano Qu
Reviewed By:	Terry Yin

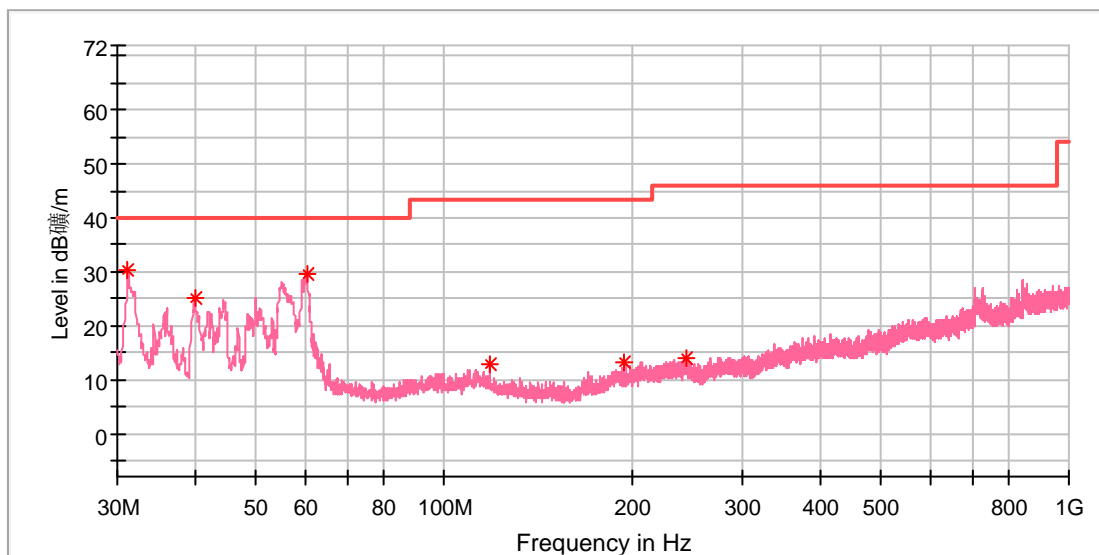


Critical Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
32.376500	14.25	40.00	25.75	100.0	H	225.0	-22.9
49.982000	20.55	40.00	19.45	100.0	H	191.0	-18.6
127.048500	10.95	43.50	32.55	100.0	H	56.0	-21.9
229.820000	14.59	46.00	31.41	100.0	H	315.0	-18.4
435.411500	19.05	46.00	26.95	100.0	H	315.0	-13.5
583.239500	21.77	46.00	24.23	100.0	H	0.0	-10.5

EUT Information

EUT Name: Lenovo Go Multi-Device Mouse
 Model: MB605T
 Test Mode: 2.4G-SRD_2402MHz
 Test Voltage:: Battery
 Remark: Temp 23 Humi:48%
 Test Standard: FCC 15.249
 Tested By: Alano Qu
 Reviewed By: Terry Yin

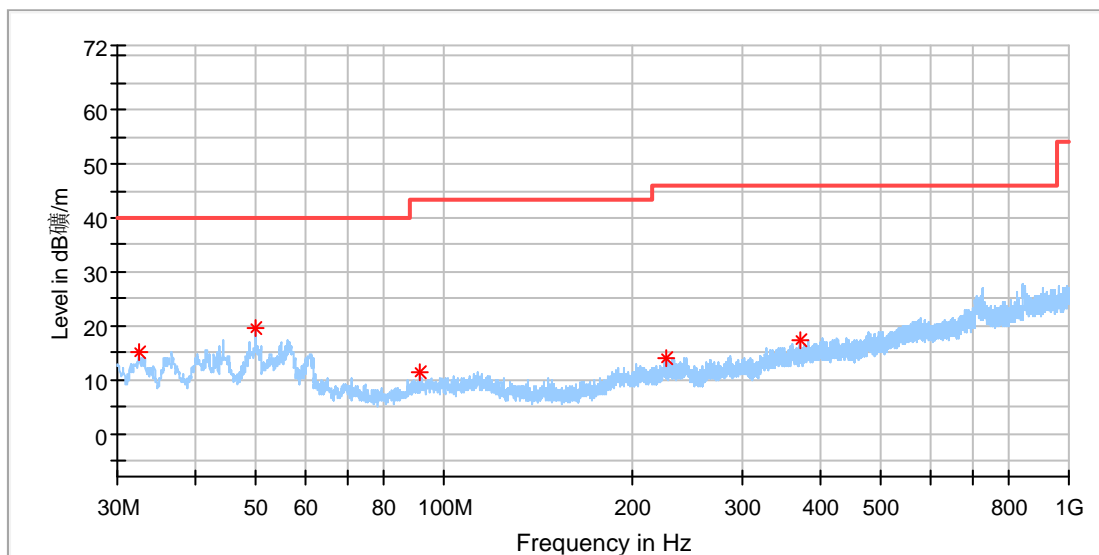


Critical Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
31.212500	30.19	40.00	9.81	100.0	V	37.0	-23.1
39.942500	25.23	40.00	14.77	100.0	V	17.0	-20.4
60.361000	29.49	40.00	10.51	100.0	V	3.0	-19.4
118.706500	12.86	43.50	30.64	100.0	V	17.0	-20.8
194.900000	13.39	43.50	30.11	100.0	V	8.0	-19.5
243.885000	14.06	46.00	31.94	100.0	V	243.0	-17.9

EUT Information

EUT Name: Lenovo Go Multi-Device Mouse
 Model: MB605T
 Test Mode: 2.4G-SRD_2480MHz
 Test Voltage:: Battery
 Remark: Temp 22 Humi:50%
 Test Standard: FCC 15.249
 Tested By: Alano Qu
 Reviewed By: Terry Yin

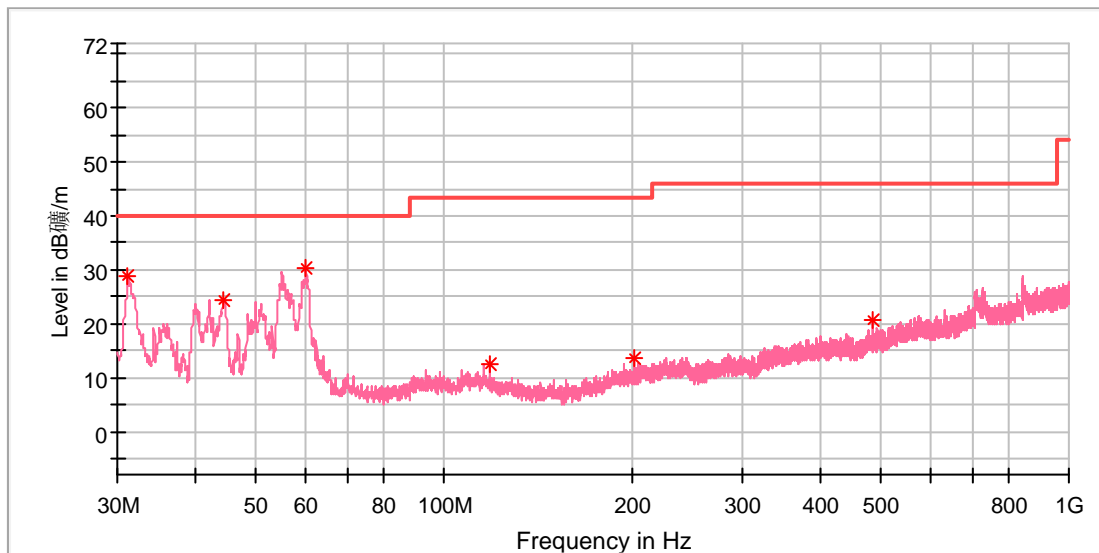


Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
32.473500	15.04	40.00	24.96	100.0	H	79.0	-22.9
49.982000	19.50	40.00	20.50	100.0	H	145.0	-18.6
91.595000	11.44	43.50	32.06	100.0	H	71.0	-20.9
227.540500	14.13	46.00	31.87	100.0	H	189.0	-18.5
370.518500	17.16	46.00	28.84	100.0	H	23.0	-14.7

EUT Information

EUT Name: Lenovo Go Multi-Device Mouse
 Model: MB605T
 Test Mode: 2.4G-SRD_2480MHz
 Test Voltage:: Battery
 Remark: Temp 22 Humi:50%
 Test Standard: FCC 15.249
 Tested By: Alano Qu
 Reviewed By: Terry Yin



Critical_Freqs

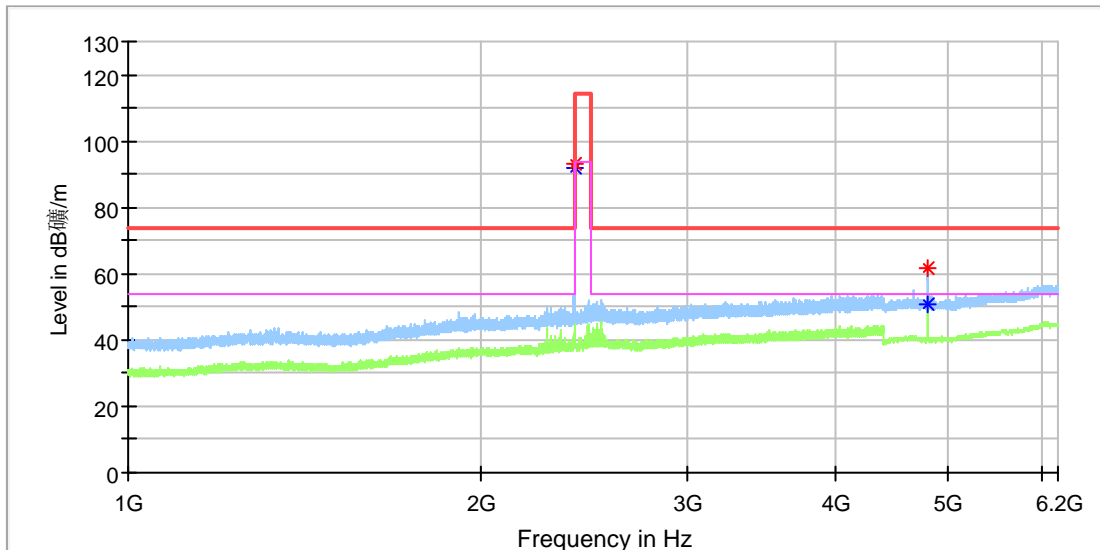
Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
31.212500	28.82	40.00	11.18	100.0	V	70.0	-23.1
44.307500	24.36	40.00	15.64	100.0	V	291.0	-19.3
60.118500	30.32	40.00	9.68	100.0	V	275.0	-19.3
118.755000	12.54	43.50	30.96	100.0	V	0.0	-20.8
201.302000	13.58	43.50	29.92	100.0	V	61.0	-19.3
484.687500	20.75	46.00	25.25	100.0	V	233.0	-12.5

1GHz - 18GHz

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

EUT Information

EUT Name: Lenovo Go Multi-Device Mouse
 Model: MB605T
 Test Mode: 2.4G-SRD_2402MHz
 Test Voltage:: Battery
 Remark: Temp 23 Humi:48%
 Test Standard: FCC 15.249
 Tested By: Alano Qu
 Reviewed By: Terry Yin

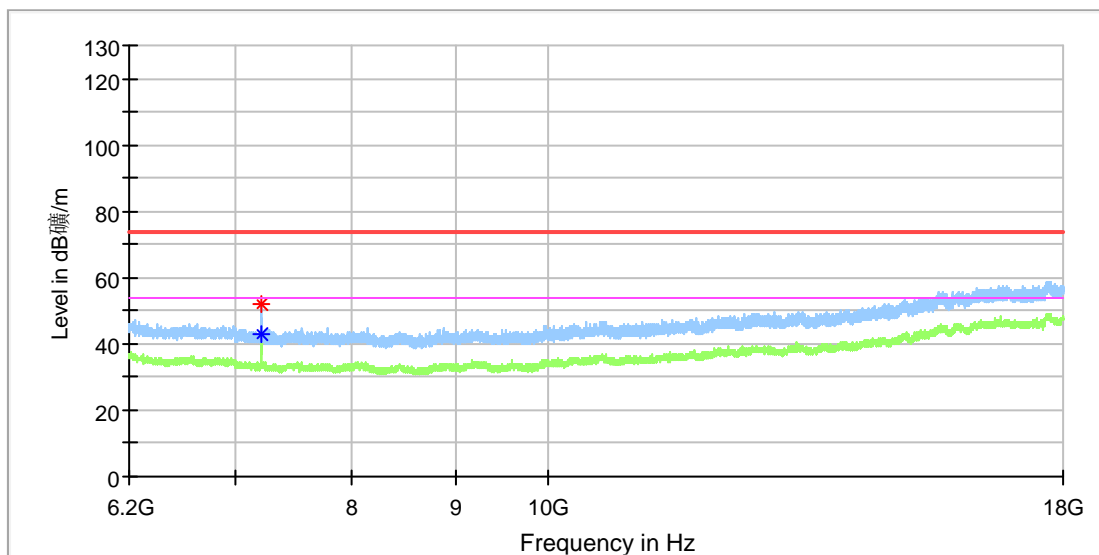


Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2401.650000	93.04	---	114.00	20.96	100.0	H	4.0	7.0
2401.820000	---	91.91	94.00	2.09	100.0	H	4.0	7.0
4803.500000	---	50.75	54.00	3.25	100.0	H	187.0	11.8
4805.000000	61.51	---	74.00	12.49	100.0	H	83.0	11.8

EUT Information

EUT Name:	Lenovo Go Multi-Device Mouse
Model:	MB605T
Test Mode:	2.4G-SRD_2402MHz
Test Voltage::	Battery
Remark:	Temp 23 Humi:48%
Test Standard:	FCC 15.249
Tested By:	Alano Qu
Reviewed By:	Terry Yin

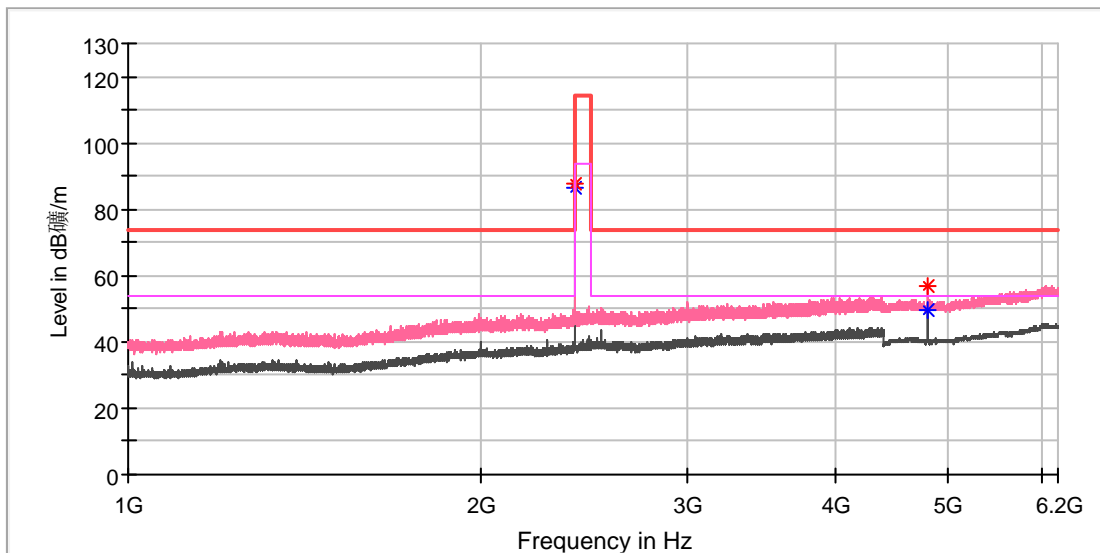


Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7203.983333	52.18	---	74.00	21.82	100.0	H	268.0	8.8
7203.983333	---	43.01	54.00	10.99	100.0	H	268.0	8.8

EUT Information

EUT Name: Lenovo Go Multi-Device Mouse
 Model: MB605T
 Test Mode: 2.4G-SRD_2402MHz
 Test Voltage:: Battery
 Remark: Temp 23 Humi:48%
 Test Standard: FCC 15.249
 Tested By: Alano Qu
 Reviewed By: Terry Yin

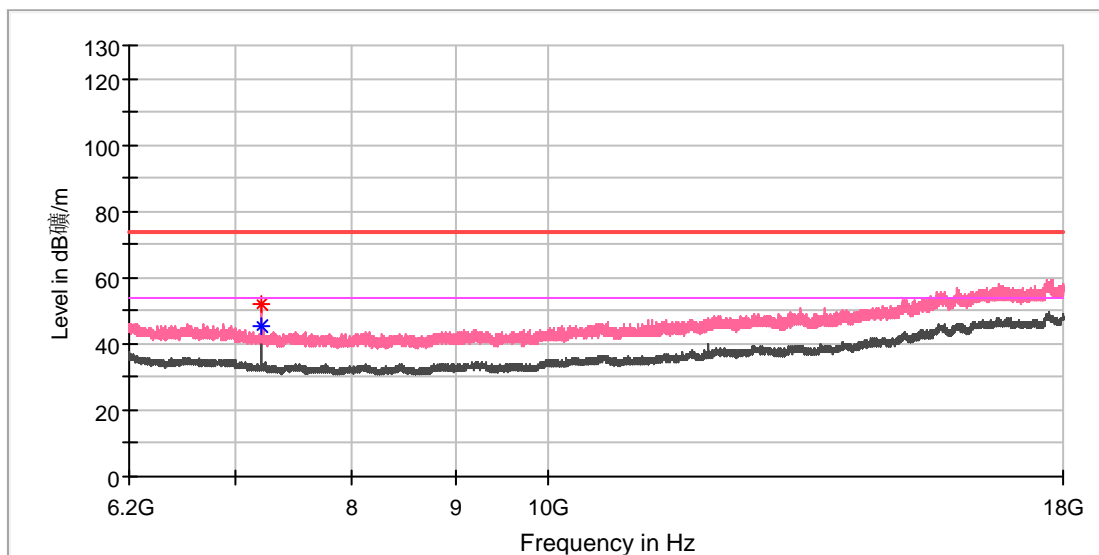


Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2401.820000	---	86.67	94.00	7.33	100.0	V	19.0	7.0
2402.500000	87.68	---	114.00	26.32	100.0	V	19.0	7.0
4803.500000	---	49.78	54.00	4.22	100.0	V	319.0	11.8
4804.500000	57.04	---	74.00	16.96	100.0	V	27.0	11.8

EUT Information

EUT Name:	Lenovo Go Multi-Device Mouse
Model:	MB605T
Test Mode:	2.4G-SRD_2402MHz
Test Voltage::	Battery
Remark:	Temp 23 Humi:48%
Test Standard:	FCC 15.249
Tested By:	Alano Qu
Reviewed By:	Terry Yin

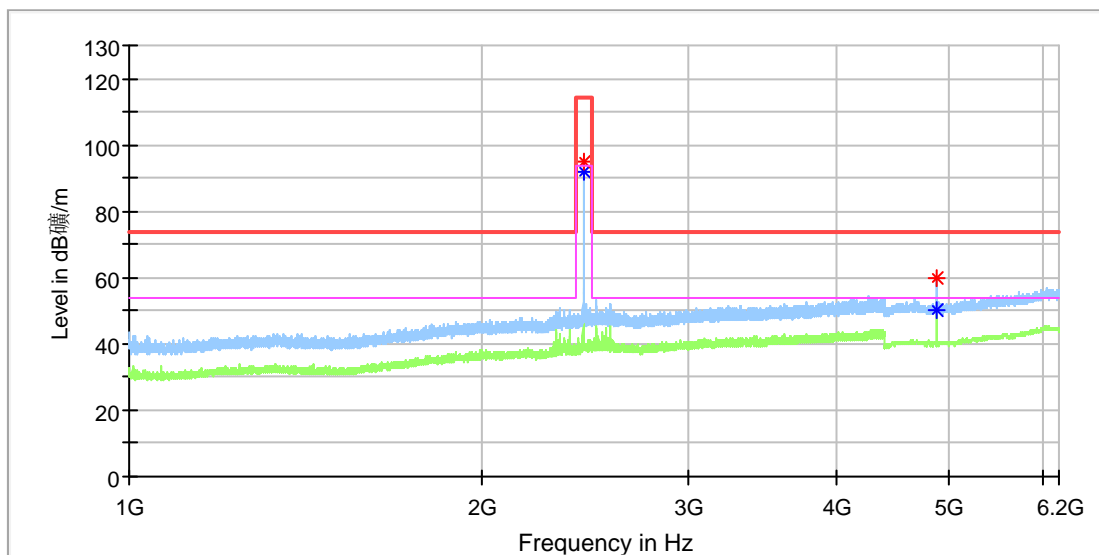


Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7207.425000	52.19	---	74.00	21.81	100.0	V	141.0	8.8
7207.425000	---	45.56	54.00	8.44	100.0	V	141.0	8.8

EUT Information

EUT Name: Lenovo Go Multi-Device Mouse
 Model: MB605T
 Test Mode: 2.4G-SRD_2440MHz
 Test Voltage:: Battery
 Remark: Temp 23 Humi:48%
 Test Standard: FCC 15.249
 Tested By: Alano Qu
 Reviewed By: Terry Yin

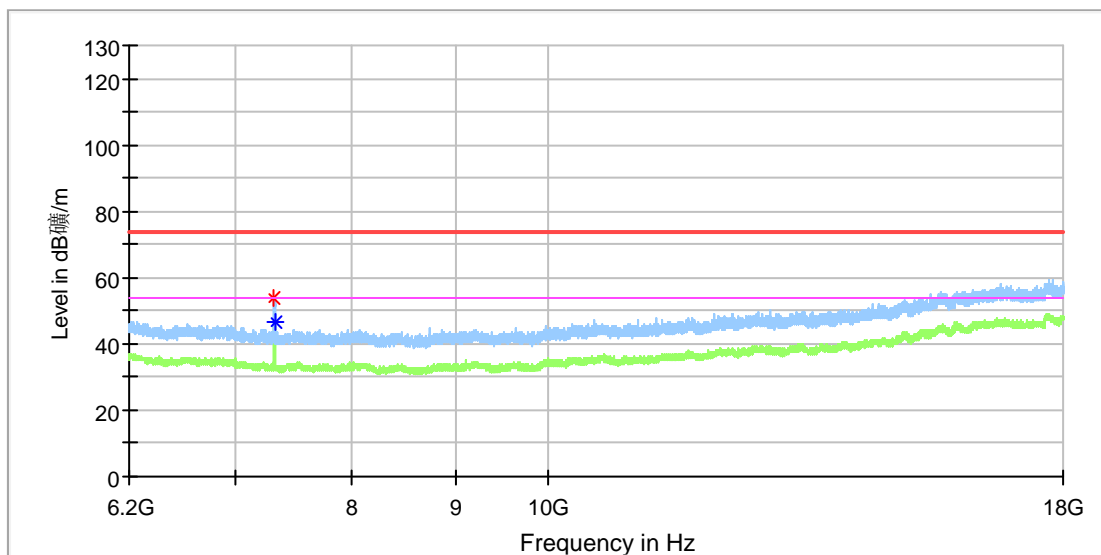


Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2439.560000	---	92.18	94.00	1.82	100.0	H	150.0	7.4
2440.580000	95.18	---	114.00	18.82	100.0	H	150.0	7.4
4879.500000	---	50.15	54.00	3.85	100.0	H	8.0	11.8
4881.000000	60.02	---	74.00	13.98	100.0	H	37.0	11.8

EUT Information

EUT Name: Lenovo Go Multi-Device Mouse
 Model: MB605T
 Test Mode: 2.4G-SRD_2440MHz
 Test Voltage:: Battery
 Remark: Temp 23 Humi:48%
 Test Standard: FCC 15.249
 Tested By: Alano Qu
 Reviewed By: Terry Yin

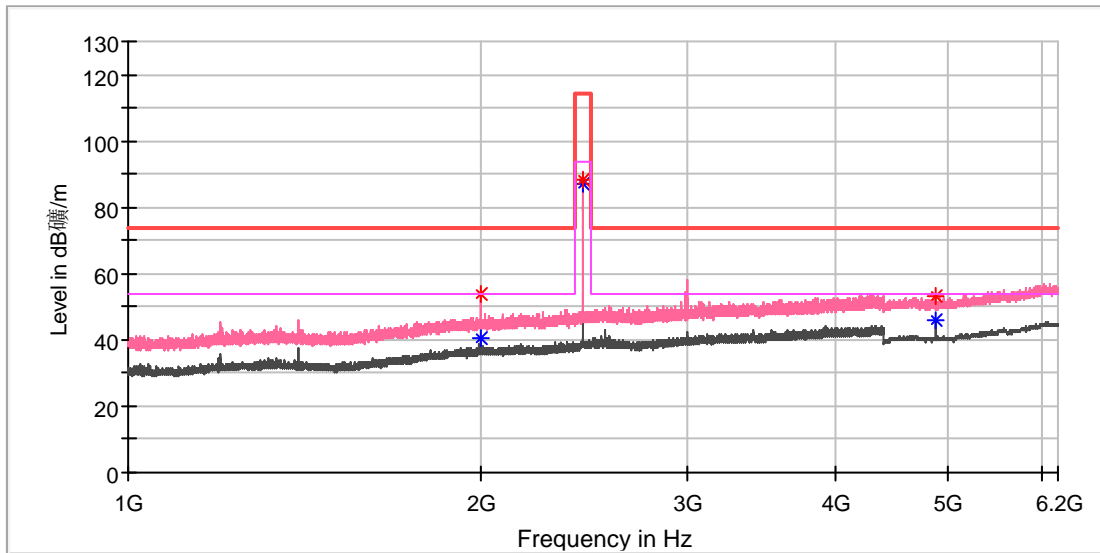


Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7318.050000	53.90	---	74.00	20.10	100.0	H	316.0	8.2
7319.033333	---	46.54	54.00	7.46	100.0	H	316.0	8.2

EUT Information

EUT Name: Lenovo Go Multi-Device Mouse
 Model: MB605T
 Test Mode: 2.4G-SRD_2440MHz
 Test Voltage:: Battery
 Remark: Temp 23 Humi:48%
 Test Standard: FCC 15.249
 Tested By: Alano Qu
 Reviewed By: Terry Yin

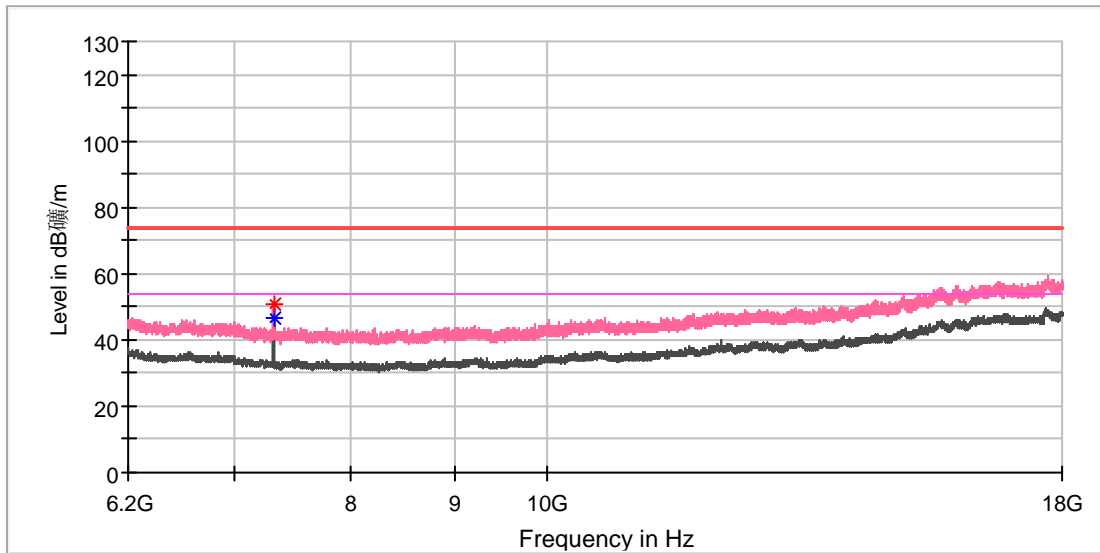


Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1995.860000	53.65	---	74.00	20.35	100.0	V	275.0	6.0
1995.860000	---	40.47	54.00	13.53	100.0	V	275.0	6.0
2439.730000	---	86.97	94.00	7.03	100.0	V	15.0	7.4
2440.410000	88.52	---	114.00	25.48	100.0	V	15.0	7.4
4880.000000	53.46	---	74.00	20.54	100.0	V	332.0	11.8
4880.000000	---	46.07	54.00	7.93	100.0	V	332.0	11.8

EUT Information

EUT Name: Lenovo Go Multi-Device Mouse
 Model: MB605T
 Test Mode: 2.4G-SRD_2440MHz
 Test Voltage:: Battery
 Remark: Temp 23 Humi:48%
 Test Standard: FCC 15.249
 Tested By: Alano Qu
 Reviewed By: Terry Yin

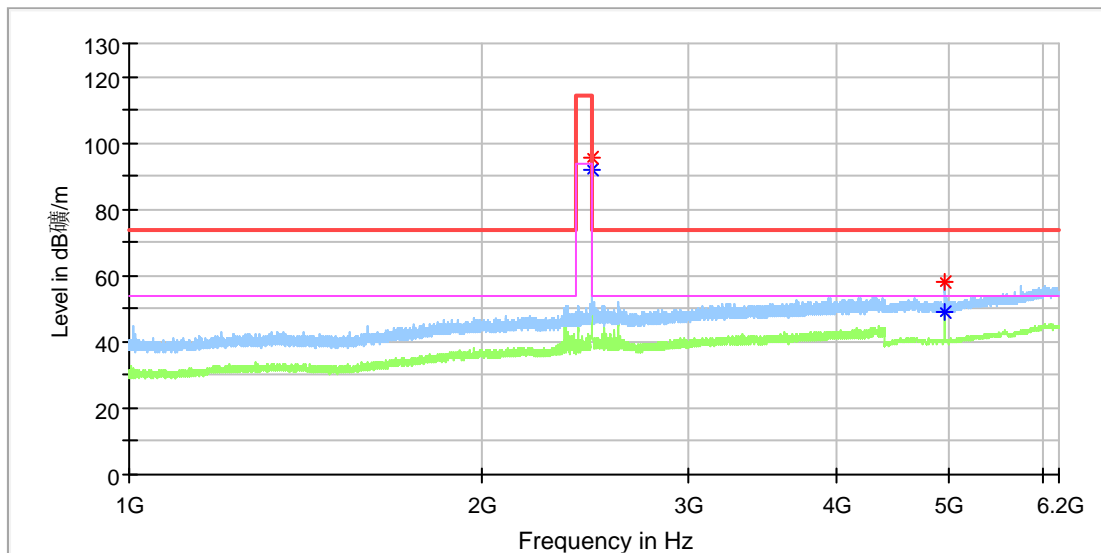


Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7318.541667	50.59	---	74.00	23.41	100.0	V	25.0	8.2
7320.016667	---	46.34	54.00	7.66	100.0	V	0.0	8.2

EUT Information

EUT Name: Lenovo Go Multi-Device Mouse
 Model: MB605T
 Test Mode: 2.4G-SRD_2480MHz
 Test Voltage:: Battery
 Remark: Temp 23 Humi:48%
 Test Standard: FCC 15.249
 Tested By: Alano Qu
 Reviewed By: Terry Yin

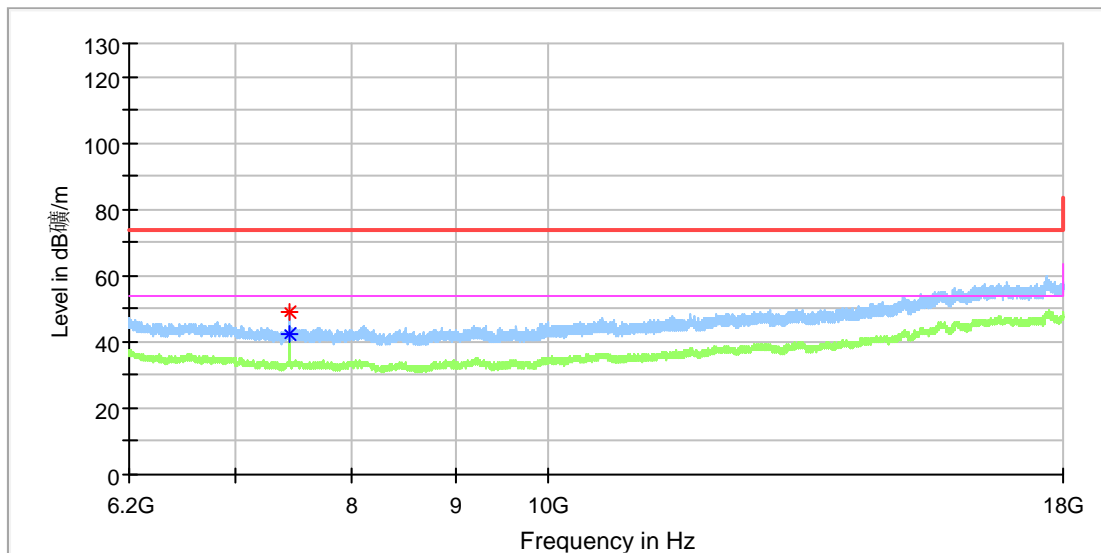


Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2479.340000	95.31	---	114.00	18.69	100.0	H	284.0	7.4
2479.510000	---	92.10	94.00	1.90	100.0	H	151.0	7.4
4959.500000	---	48.99	54.00	5.01	100.0	H	10.0	11.8
4960.000000	58.19	---	74.00	15.81	100.0	H	10.0	11.8

EUT Information

EUT Name: Lenovo Go Multi-Device Mouse
 Model: MB605T
 Test Mode: 2.4G-SRD_2480MHz
 Test Voltage:: Battery
 Remark: Temp 23 Humi:48%
 Test Standard: FCC 15.249
 Tested By: Alano Qu
 Reviewed By: Terry Yin

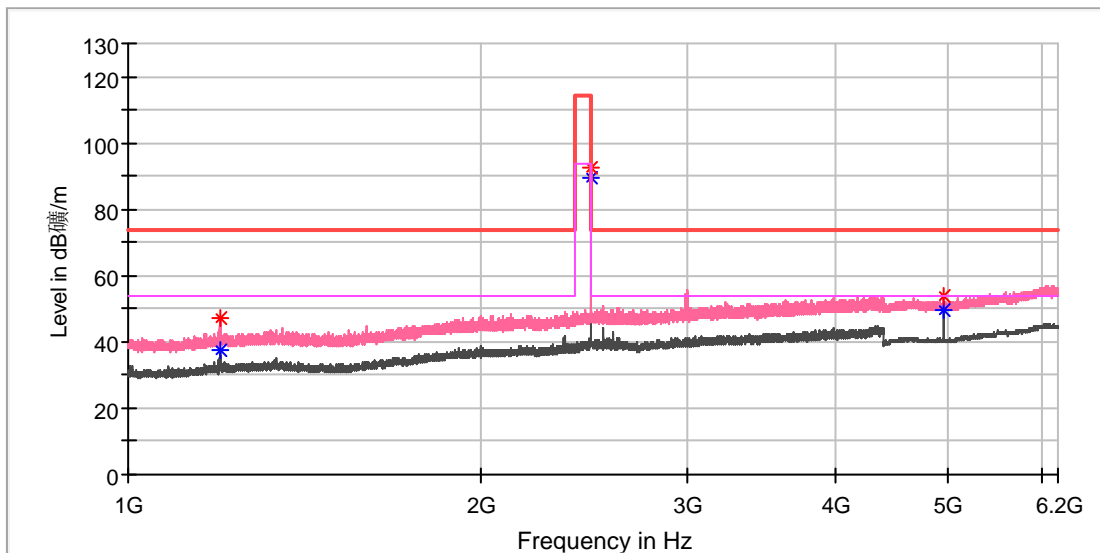


Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7440.475000	---	42.40	54.00	11.60	100.0	H	160.0	8.4
7441.458333	48.73	---	74.00	25.27	100.0	H	160.0	8.4

EUT Information

EUT Name: Lenovo Go Multi-Device Mouse
 Model: MB605T
 Test Mode: 2.4G-SRD_2480MHz
 Test Voltage:: Battery
 Remark: Temp 23 Humi:48%
 Test Standard: FCC 15.249
 Tested By: Alano Qu
 Reviewed By: Terry Yin

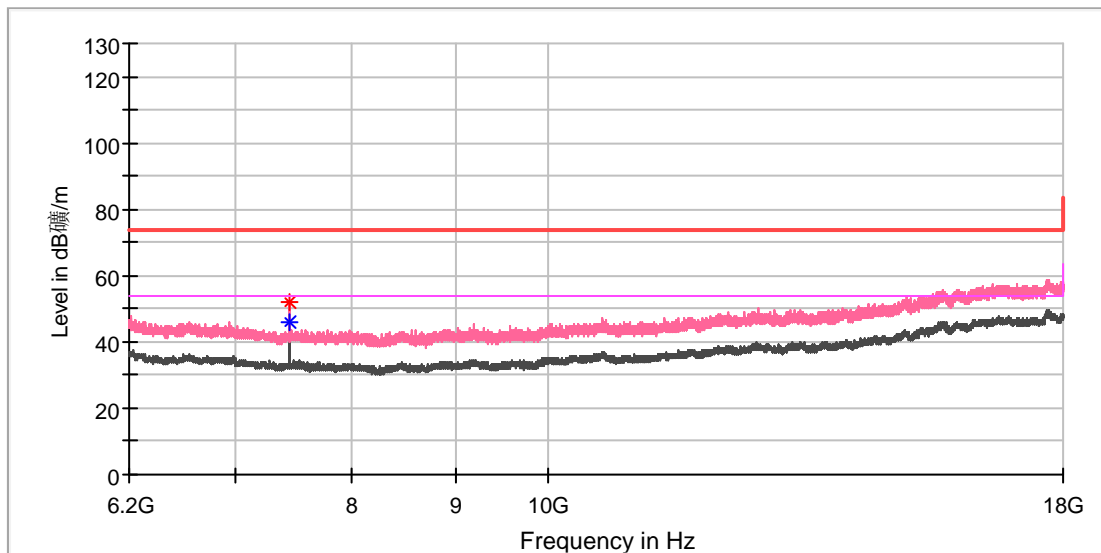


Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1196.520000	47.12	---	74.00	26.88	100.0	V	237.0	1.1
1196.520000	---	37.51	54.00	16.49	100.0	V	237.0	1.1
2480.530000	---	89.51	94.00	4.49	100.0	V	137.0	7.4
2480.700000	92.70	---	114.00	21.30	100.0	V	137.0	7.4
4960.000000	---	49.40	54.00	4.60	100.0	V	293.0	11.8
4960.000000	53.69	---	74.00	20.31	100.0	V	293.0	11.8

EUT Information

EUT Name: Lenovo Go Multi-Device Mouse
 Model: MB605T
 Test Mode: 2.4G-SRD_2480MHz
 Test Voltage:: Battery
 Remark: Temp 23 Humi:48%
 Test Standard: FCC 15.249
 Tested By: Alano Qu
 Reviewed By: Terry Yin

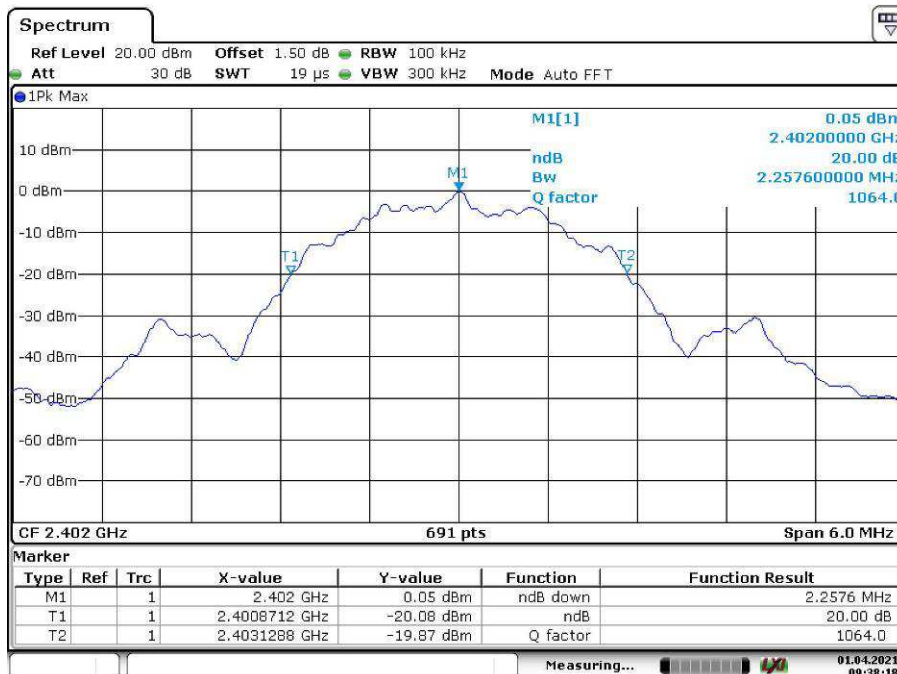


Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7438.016667	52.20	---	74.00	21.80	100.0	V	19.0	8.4
7439.983333	---	46.00	54.00	8.00	100.0	V	0.0	8.4

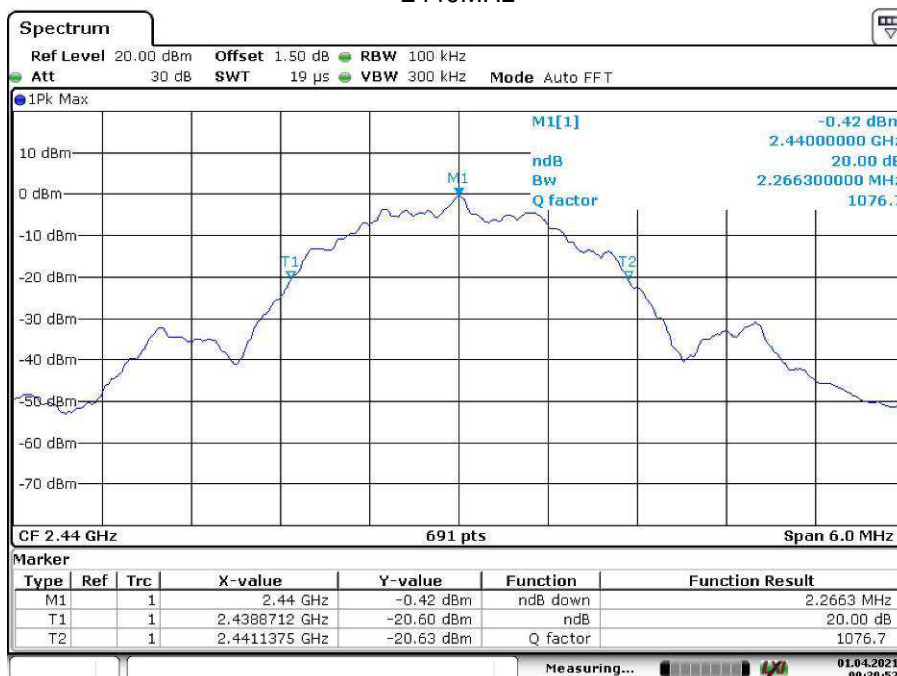
Appendix B.2: Test Results of 20dB Bandwidth

2402MHz



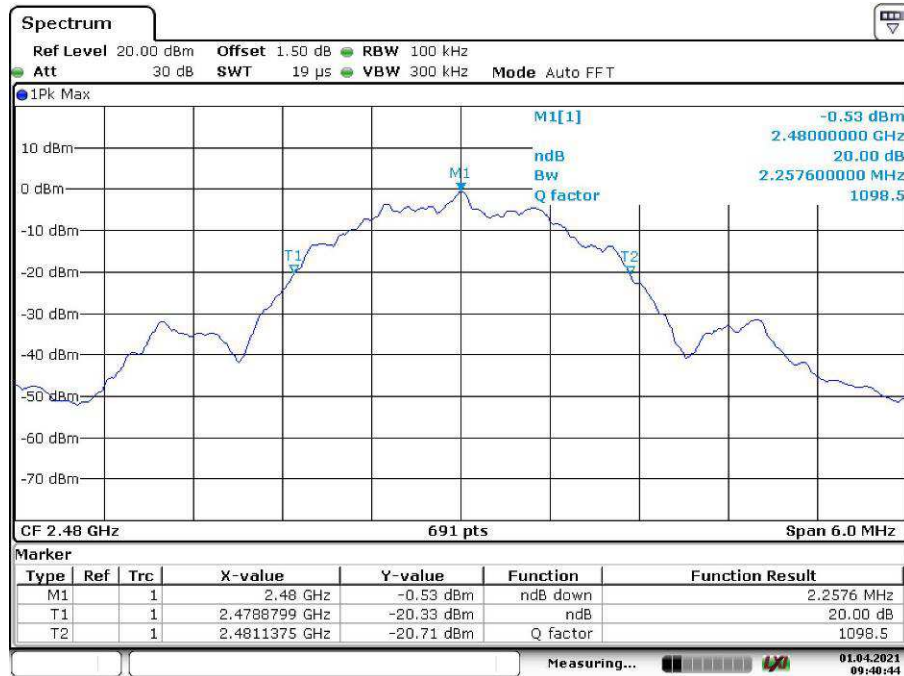
Date: 1.APR.2021 09:38:18

2440MHz



Date: 1.APR.2021 09:39:52

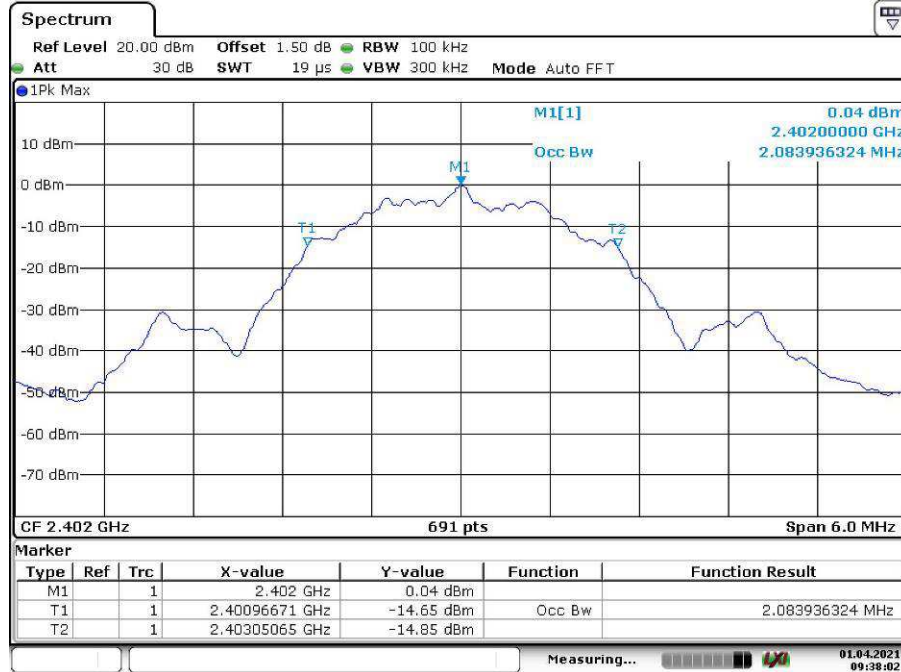
2480MHz



Date: 1.APR.2021 09:40:44

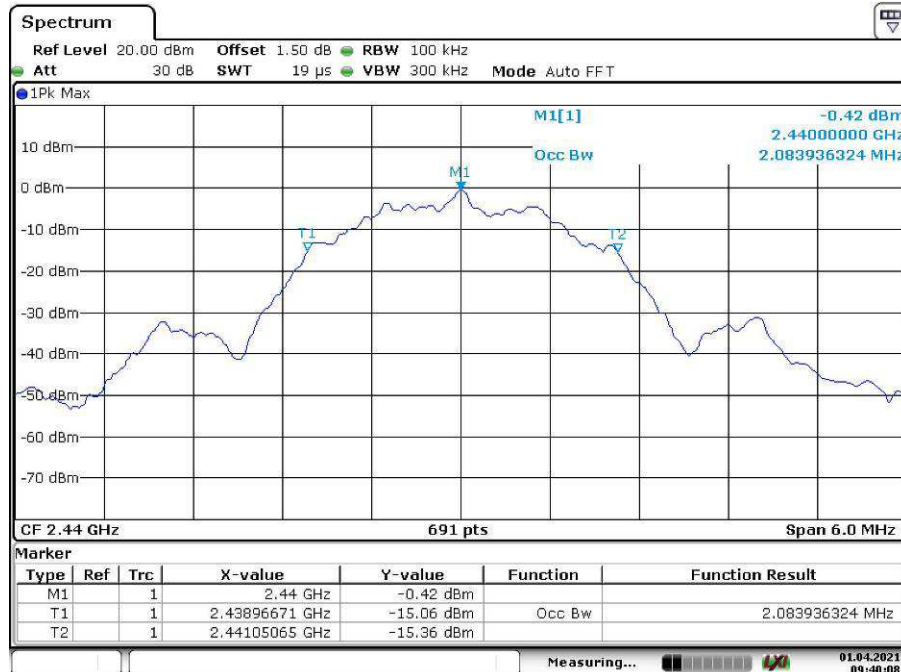
Appendix B.3: Test Results of 99% Bandwidth

2402MHz



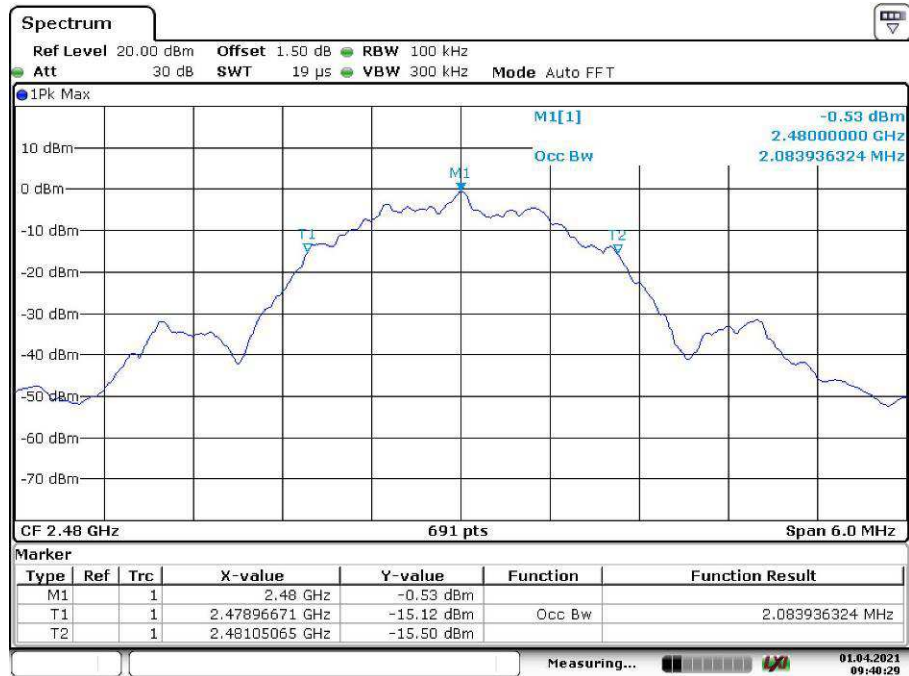
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2440MHz



Date: 1.APR.2021 09:40:08

2480MHz

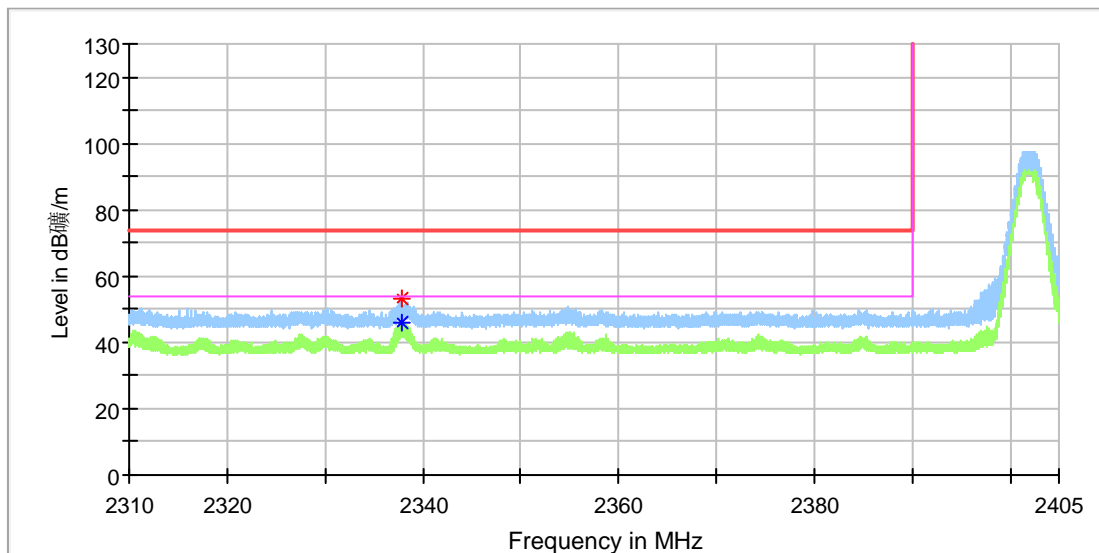


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Appendix B.4: Test Results of Band Edge

EUT Information

EUT Name:	Lenovo Go Multi-Device Mouse
Model:	MB605T
Test Mode:	2.4G-SRD_2402MHz
Test Voltage::	Battery
Remark:	Temp 23 Humi:48%
Test Standard:	FCC 15.249
Tested By:	Alano Qu
Reviewed By:	Terry Yin

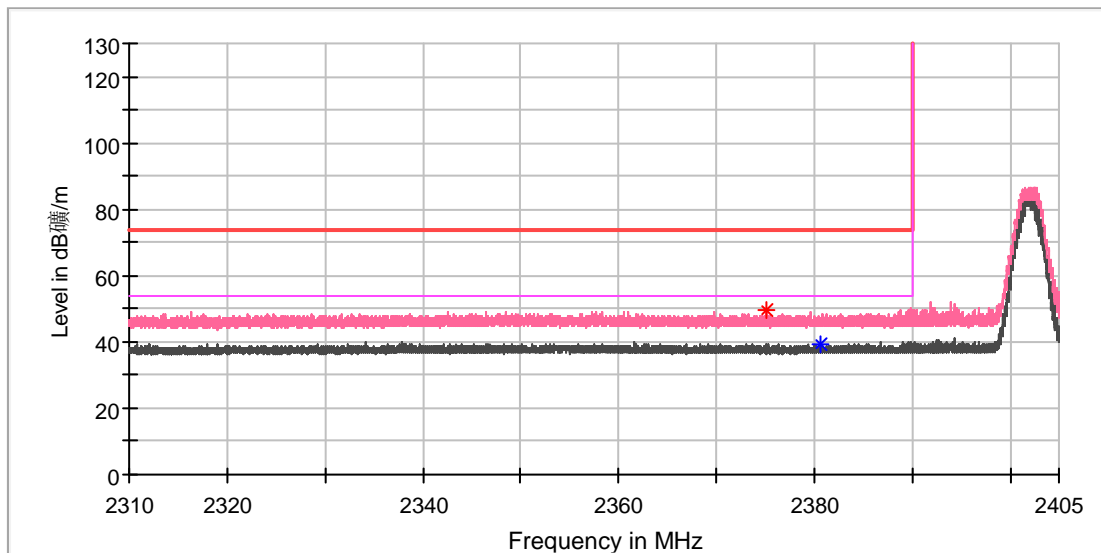


Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2337.797000	---	46.05	54.00	7.95	100.0	H	4.0	6.8
2337.806500	52.96	---	74.00	21.04	100.0	H	345.0	6.8

EUT Information

EUT Name: Lenovo Go Multi-Device Mouse
 Model: MB605T
 Test Mode: 2.4G-SRD_2402MHz
 Test Voltage:: Battery
 Remark: Temp 23 Humi:48%
 Test Standard: FCC 15.249
 Tested By: Alano Qu
 Reviewed By: Terry Yin

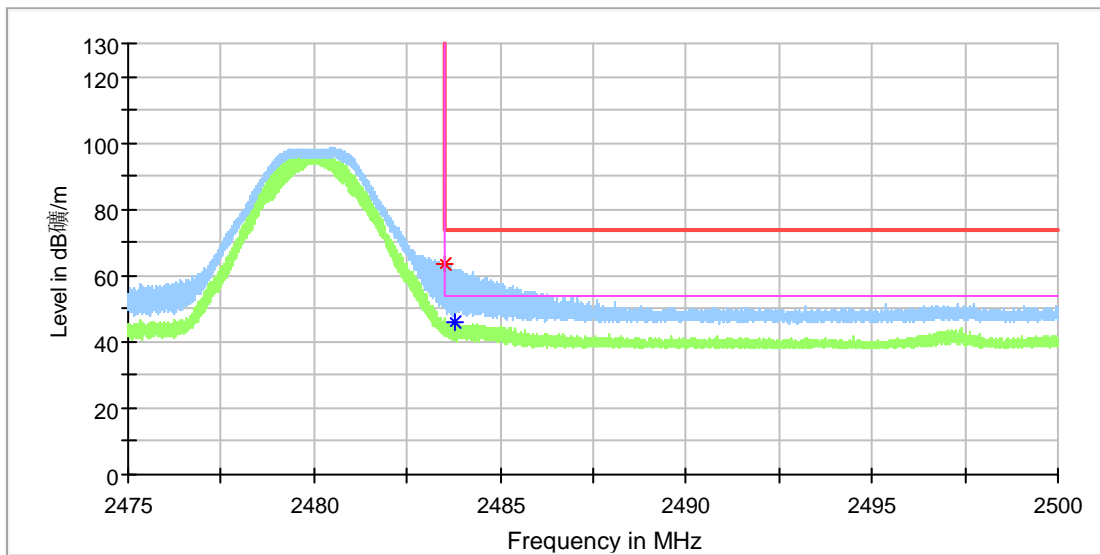


Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2375.113000	49.39	---	74.00	24.61	100.0	V	218.0	6.9
2380.718000	---	39.59	54.00	14.41	100.0	V	252.0	7.0

EUT Information

EUT Name:	Lenovo Go Multi-Device Mouse
Model:	MB605T
Test Mode:	2.4G-SRD_2480MHz
Test Voltage::	Battery
Remark:	Temp 23 Humi:48%
Test Standard:	FCC 15.249
Tested By:	Alano Qu
Reviewed By:	Terry Yin

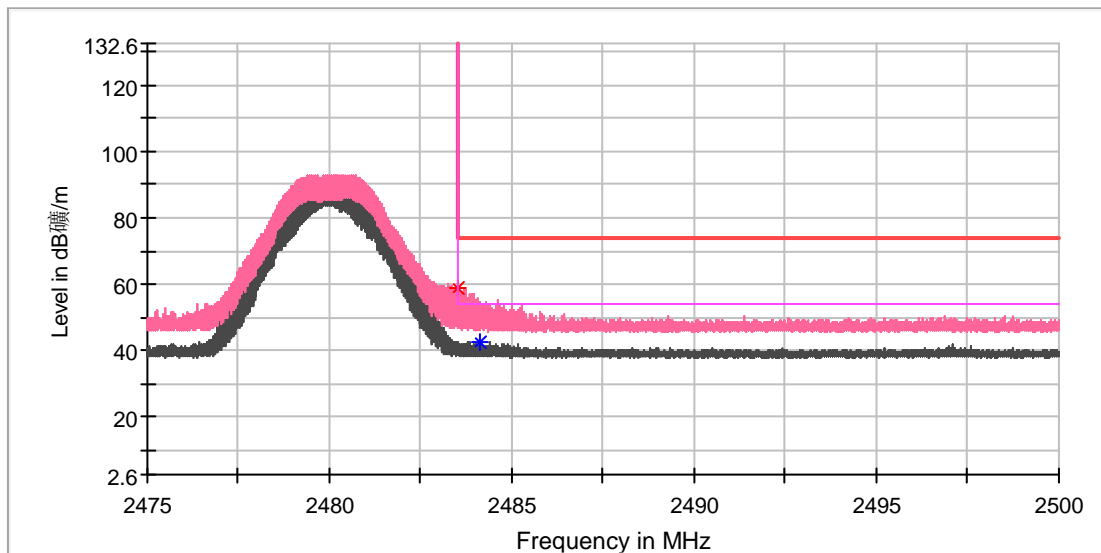


Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2483.536250	63.69	---	74.00	10.31	100.0	H	344.0	7.4
2483.787500	---	46.12	54.00	7.88	100.0	H	334.0	7.4

EUT Information

EUT Name: Lenovo Go Multi-Device Mouse
 Model: MB605T
 Test Mode: 2.4G-SRD_2480MHz
 Test Voltage:: Battery
 Remark: Temp 23 Humi:48%
 Test Standard: FCC 15.249
 Tested By: Alano Qu
 Reviewed By: Terry Yin



Critical_Freqs

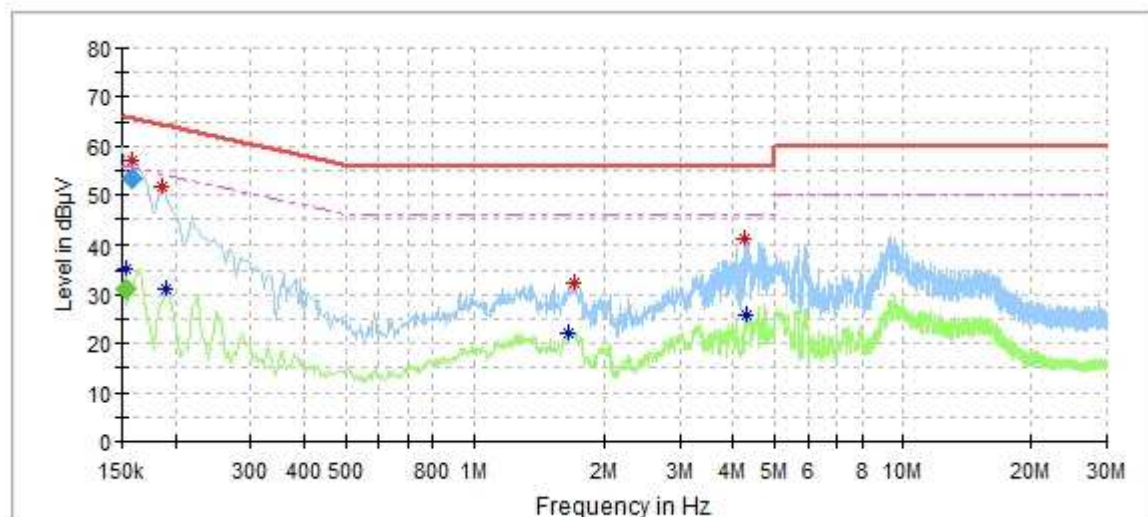
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2483.526250	59.00	---	74.00	15.00	100.0	V	124.0	7.4
2484.131250	---	42.65	54.00	11.35	100.0	V	124.0	7.4

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

Normal operation mode (2.4G)

EUT Information

EUT Name:	Lenovo Go Multi-Device Mouse
Order No.:	168308028
Model:	MB605T
Test Mode:	ON(2.4G)
Test Voltage:	Battery
Test By:	Jianhua Lu
Review By:	Gary Chen
Remark:	SR1



Critical_Freqs

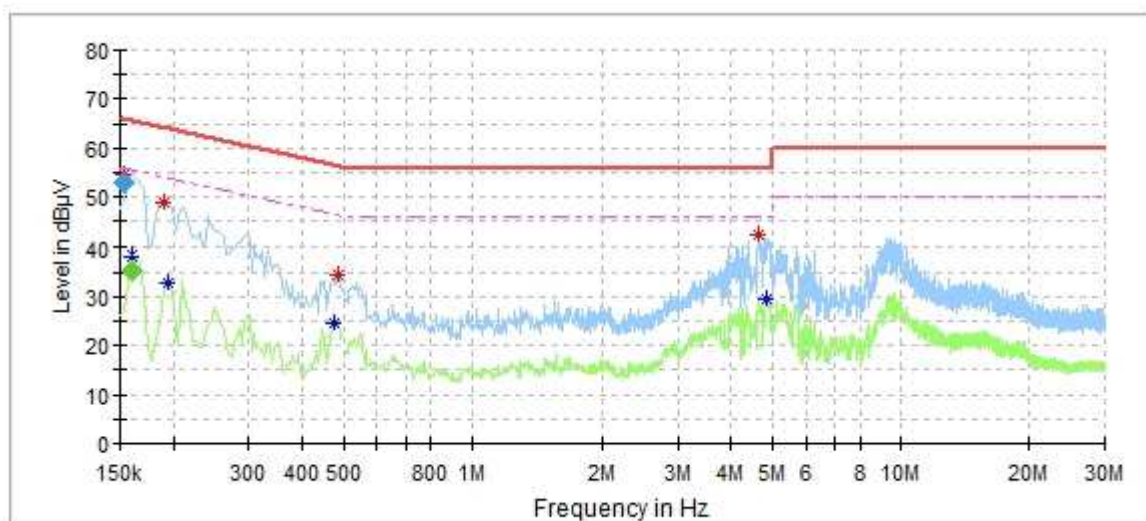
Frequency (MHz)	MaxPeak (dBµV)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)
0.152500	---	35.13	55.16	20.02	L1	10
0.158000	56.85	---	65.36	8.51	L1	10
0.186000	51.71	---	64.21	12.51	L1	10
0.190000	---	31.20	54.04	22.84	L1	10
1.652000	---	22.05	46.00	23.95	L1	10
1.692000	32.36	---	56.00	23.64	L1	10
4.244000	41.06	---	56.00	14.94	L1	10
4.300000	---	25.64	46.00	20.36	L1	10

Final_Result

Frequency (MHz)	QuasiPeak (dBµV)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Corr. (dB)
0.152500	---	31.25	55.86	24.62	200.0	9.000	L1	10
0.158000	53.15	---	65.57	12.42	200.0	9.000	L1	10

EUT Information

EUT Name: Lenovo Go Multi-Device Mouse
 Order No.: 168308028
 Model: MB605T
 Test Mode: ON(2.4G)
 Test Voltage: Battery
 Test By: Jianhua Lu
 Review By: Gary Chen
 Remark: SR1



Critical Freqs

Frequency (MHz)	MaxPeak (dBµV)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)
0.154000	54.48	---	65.57	11.09	N	10
0.160500	---	37.97	55.16	17.19	N	10
0.190000	48.62	---	64.04	15.42	N	10
0.194000	---	32.98	53.86	20.88	N	10
0.478000	---	24.69	46.37	21.68	N	10
0.486000	34.36	---	56.24	21.88	N	10
4.632000	42.42	---	56.00	13.58	N	10
4.848000	---	29.43	46.00	16.57	N	10

Final Result

Frequency (MHz)	QuasiPeak (dBµV)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Corr. (dB)
0.154000	53.06	---	65.78	12.72	200.0	9.000	N	10
0.160500	---	35.33	55.44	20.11	200.0	9.000	N	10