

Appendix B: Test Results

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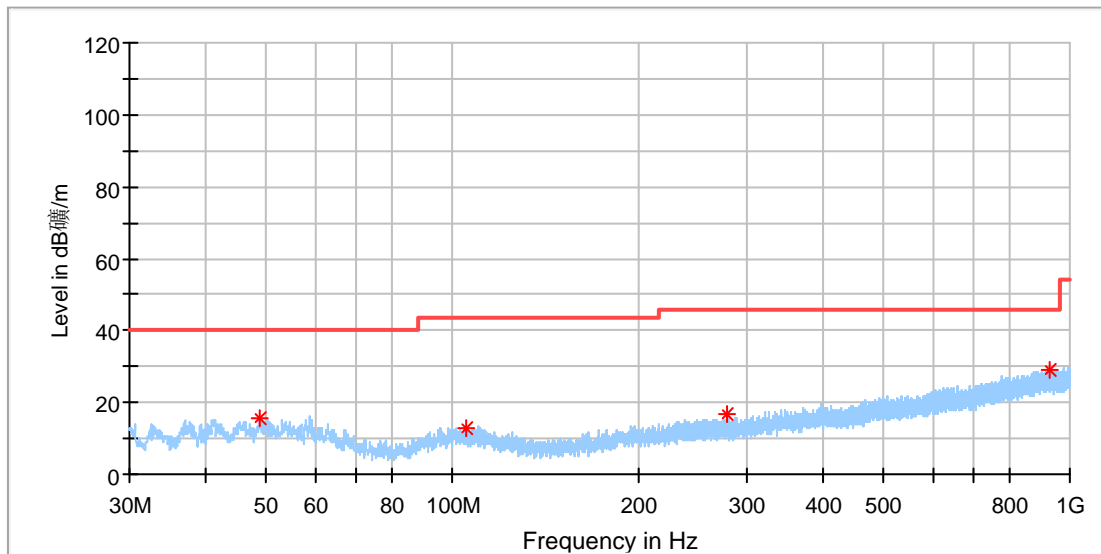
Note: The testing was carried out within frequency range 9kHz to the tenth harmonics. The measurement results below 30MHz and 18GHz to 26.5GHz were greater than 20dB below the limit, so only the radiated spurious emissions from 30MHz to 18GHz were reported.

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

30MHz - 1GHz

EUT Information

EUT Name:	Lenovo Go Wireless Vertical Mouse
Model:	MB665W
Test Mode:	2402MHz
Test Voltage::	Battery
Remark:	Temp 23 Humi:51%
Test Standard:	FCC 15.249
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

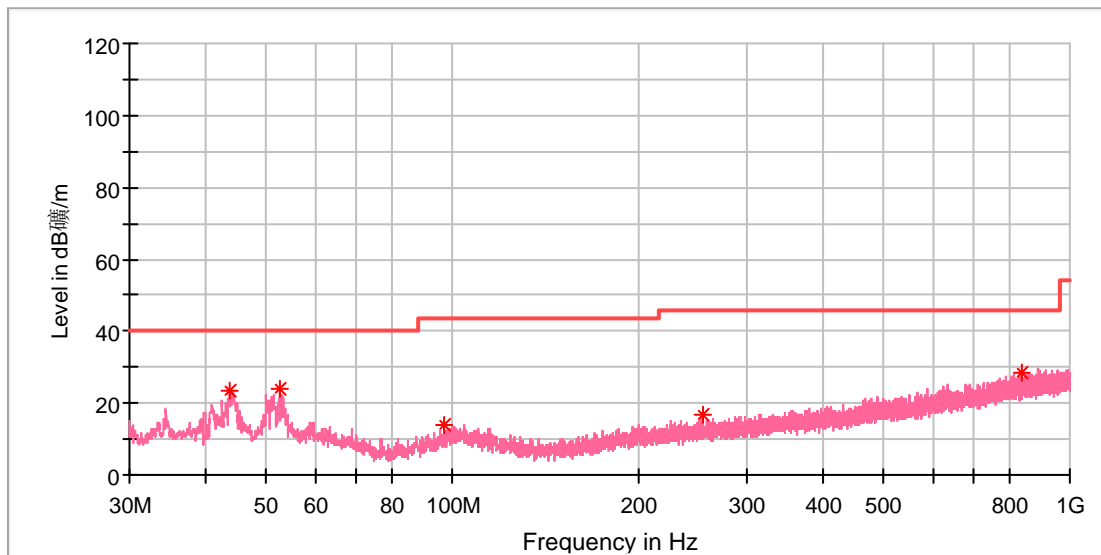


Critical Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
48.915000	15.47	40.00	24.53	100.0	H	215.0	-18.3
105.417500	13.02	43.50	30.48	100.0	H	191.0	-18.8
278.514000	16.65	46.00	29.35	100.0	H	304.0	-16.7
930.790500	29.30	46.00	16.70	100.0	H	241.0	-4.7

EUT Information

EUT Name:	Lenovo Go Wireless Vertical Mouse
Model:	MB665W
Test Mode:	2402MHz
Test Voltage::	Battery
Remark:	Temp 23 Humi:51%
Test Standard:	FCC 15.249
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

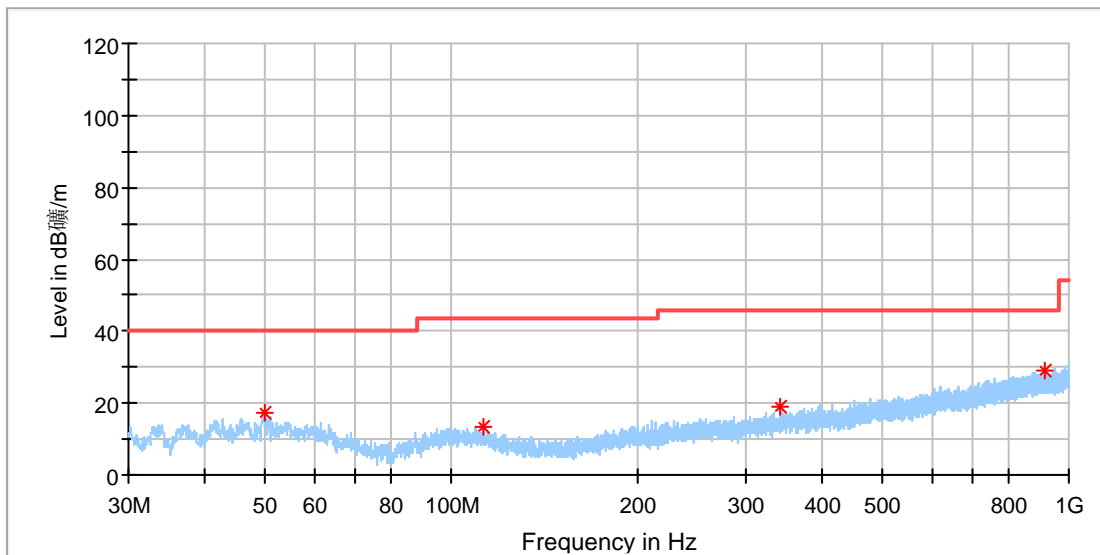


Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
43.725500	23.46	40.00	16.54	100.0	V	111.0	-19.1
52.455500	23.72	40.00	16.28	100.0	V	185.0	-18.4
96.784500	13.90	43.50	29.60	100.0	V	111.0	-19.5
254.167000	16.49	46.00	29.51	100.0	V	338.0	-17.2
836.749000	28.44	46.00	17.56	100.0	V	185.0	-5.7

EUT Information

EUT Name: Lenovo Go Wireless Vertical Mouse
 Model: MB665W
 Test Mode: 2480MHz
 Test Voltage:: Battery
 Remark: Temp 23 Humi:51%
 Test Standard: FCC 15.249
 Tested By: Kei Zhang
 Reviewed By: Terry Yin

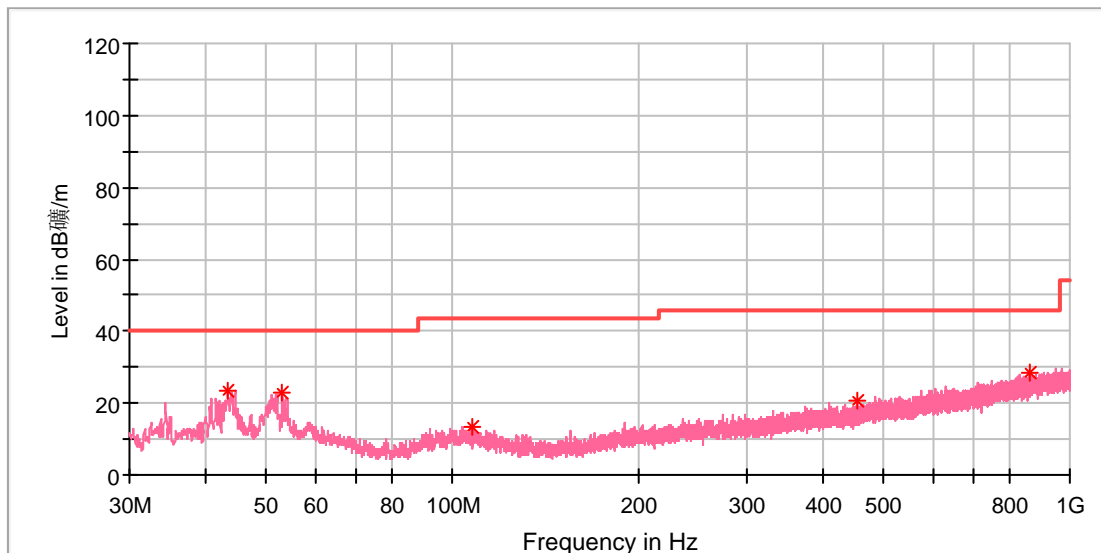


Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
49.982000	17.29	40.00	22.71	100.0	H	240.0	-18.3
113.032000	13.21	43.50	30.29	100.0	H	282.0	-19.5
341.273000	18.99	46.00	27.01	100.0	H	102.0	-14.9
911.487500	29.01	46.00	16.99	100.0	H	217.0	-4.9

EUT Information

EUT Name: Lenovo Go Wireless Vertical Mouse
 Model: MB665W
 Test Mode: 2480MHz
 Test Voltage:: Battery
 Remark: Temp 23 Humi:51%
 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)
43.289000	23.62	40.00	16.38	100.0	V	295.0	-19.2
53.086000	22.68	40.00	17.32	100.0	V	295.0	-18.4
107.939500	13.61	43.50	29.89	100.0	V	63.0	-18.9
453.599000	20.69	46.00	25.31	100.0	V	209.0	-12.8
862.842000	28.53	46.00	17.47	100.0	V	329.0	-5.3

Final_Result

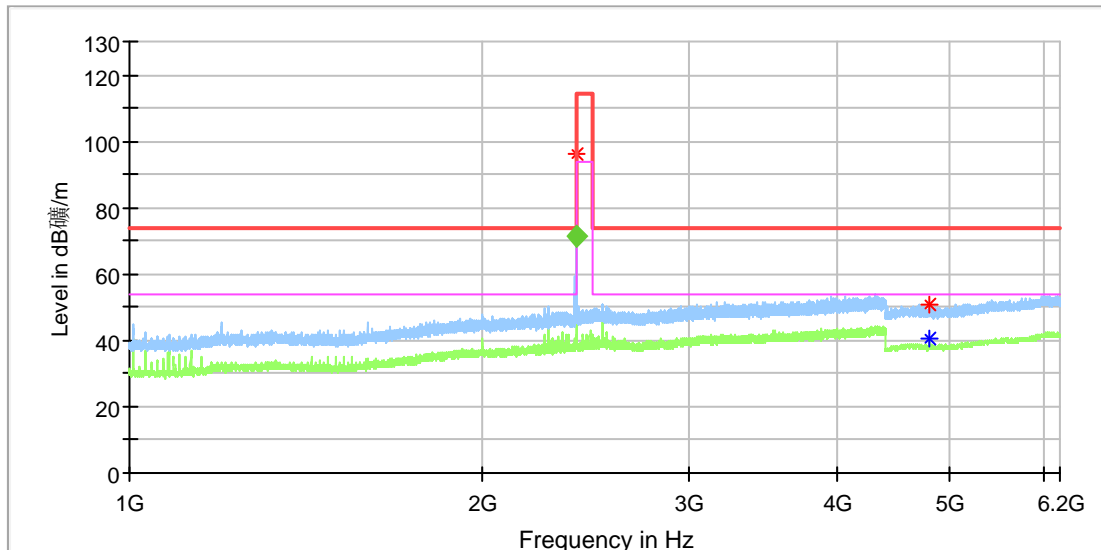
Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---		---	---

1GHz - 18GHz

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

EUT Information

EUT Name:	Lenovo Go Wireless Vertical Mouse
Model:	MB665W
Test Mode:	2402MHz
Test Voltage::	Battery
Remark:	Temp 23 Humi:51%
Test Standard:	FCC 15.249
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

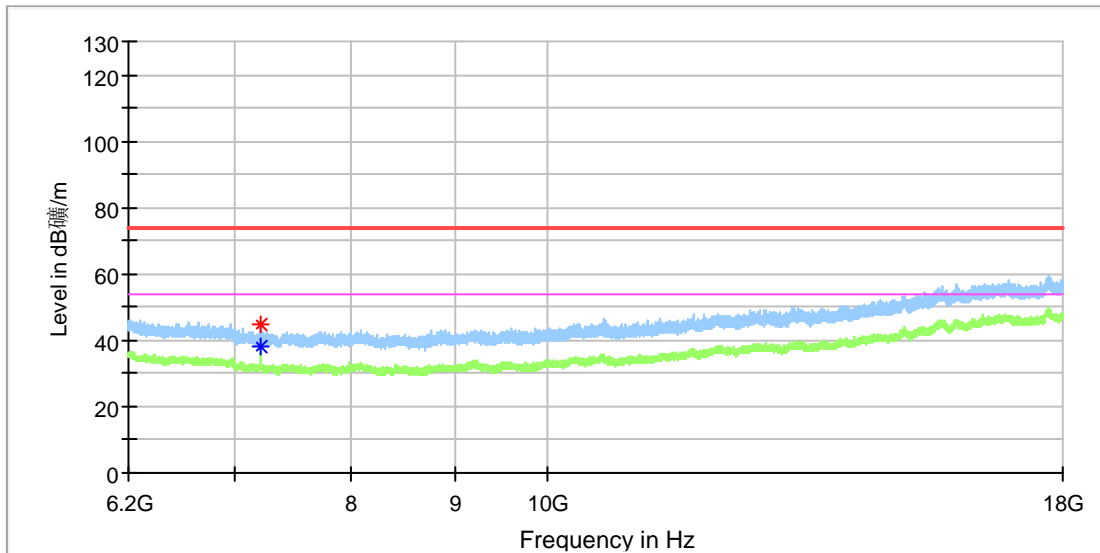
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2401.820000	96.33	---	114.00	17.67	100.0	H	248.0	7.0
4804.000000	50.63	---	74.00	23.37	100.0	H	15.0	11.8
4804.000000	---	40.44	54.00	13.56	100.0	H	15.0	11.8

Final_Result

Frequency (MHz)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2402.024500	71.60	94.00	22.40	100.0	H	248.0	7.0

EUT Information

EUT Name: Lenovo Go Wireless Vertical Mouse
 Model: MB665W
 Test Mode: 2402MHz
 Test Voltage:: Battery
 Remark: Temp 23 Humi:51%
 Test Standard: FCC 15.249
 Tested By: Kei Zhang
 Reviewed By: Terry Yin

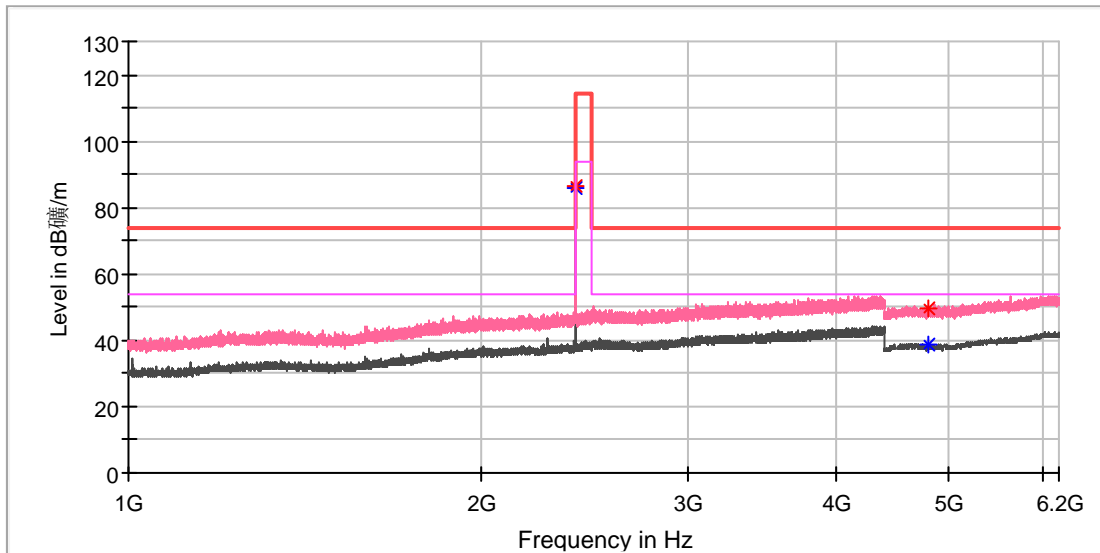


Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7205.458333	---	37.89	54.00	16.11	100.0	H	141.0	8.8
7206.933333	44.94	---	74.00	29.06	100.0	H	141.0	8.8

EUT Information

EUT Name: Lenovo Go Wireless Vertical Mouse
 Model: MB665W
 Test Mode: 2402MHz
 Test Voltage:: Battery
 Remark: Temp 23 Humi:51%
 Test Standard: FCC 15.249
 Tested By: Kei Zhang
 Reviewed By: Terry Yin

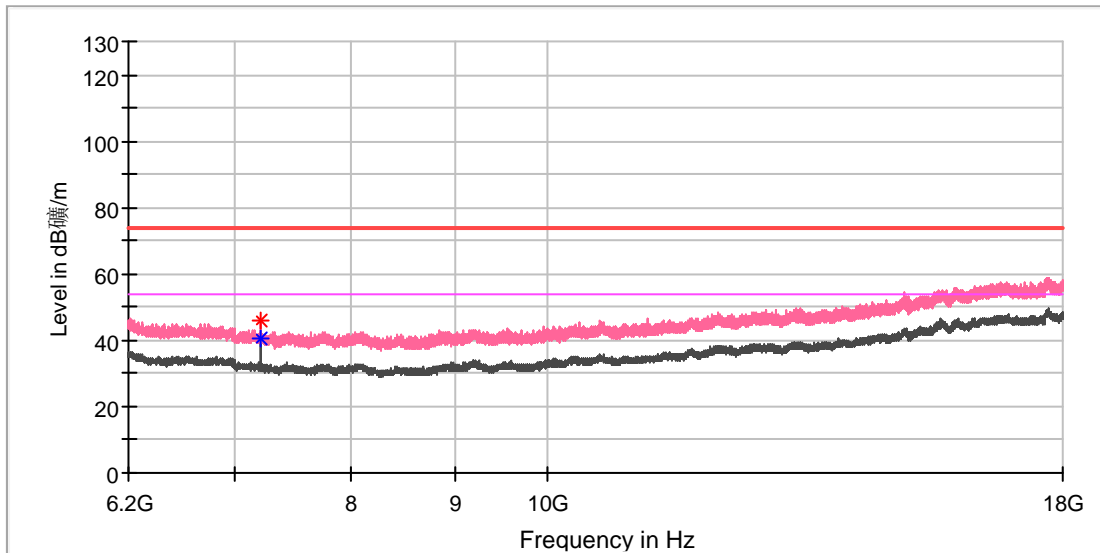


Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2401.650000	86.33	---	114.00	27.67	100.0	V	38.0	7.0
2401.990000	---	85.82	94.00	8.18	100.0	V	38.0	7.0
4804.500000	49.87	---	74.00	24.13	100.0	V	12.0	11.8
4804.500000	---	38.69	54.00	15.31	100.0	V	12.0	11.8

EUT Information

EUT Name: Lenovo Go Wireless Vertical Mouse
 Model: MB665W
 Test Mode: 2402MHz
 Test Voltage:: Battery
 Remark: Temp 23 Humi:51%
 Test Standard: FCC 15.249
 Tested By: Kei Zhang
 Reviewed By: Terry Yin

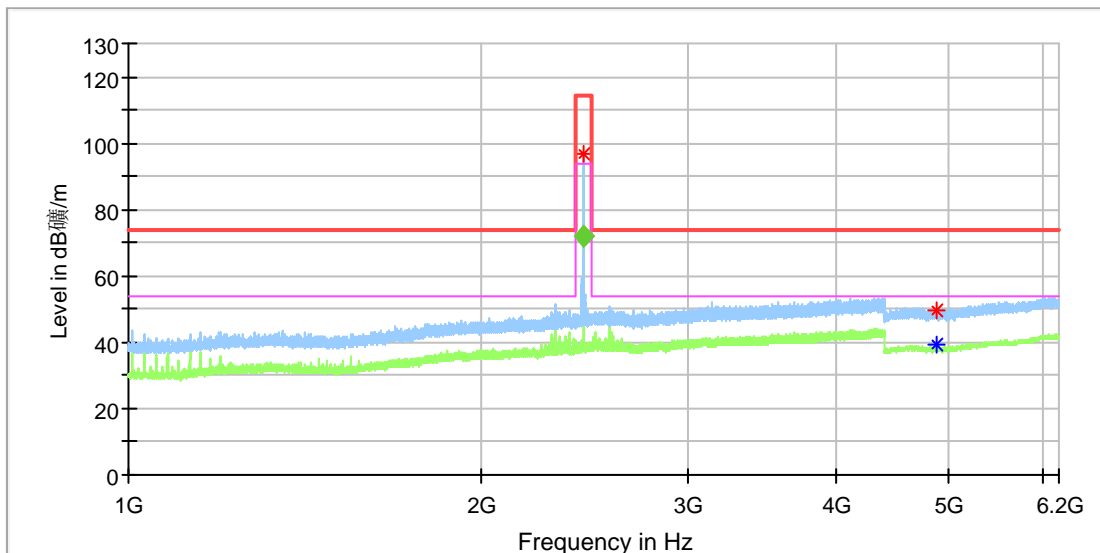


Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7205.458333	46.14	---	74.00	27.86	100.0	V	129.0	8.8
7205.458333	---	40.37	54.00	13.63	100.0	V	129.0	8.8

EUT Information

EUT Name: Lenovo Go Wireless Vertical Mouse
 Model: MB665W
 Test Mode: 2440MHz
 Test Voltage:: Battery
 Remark: Temp 23 Humi:51%
 Test Standard: FCC 15.249
 Tested By: Kei Zhang
 Reviewed By: Terry Yin



Critical_Freqs

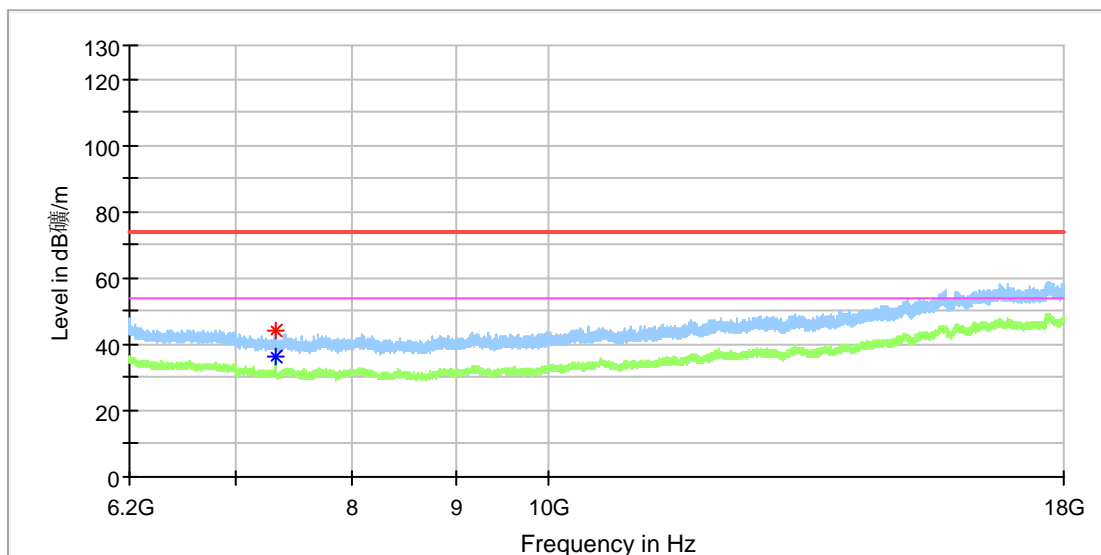
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2439.730000	96.87	---	114.00	17.13	100.0	H	264.0	7.4
4879.500000	---	39.26	54.00	14.74	100.0	H	354.0	11.8
4880.000000	49.77	---	74.00	24.23	100.0	H	251.0	11.8

Final_Result

Frequency (MHz)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2440.081000	72.21	94.00	21.79	100.0	H	264.0	7.4

EUT Information

EUT Name: Lenovo Go Wireless Vertical Mouse
 Model: MB665W
 Test Mode: 2440MHz
 Test Voltage:: Battery
 Remark: Temp 23 Humi:51%
 Test Standard: FCC 15.249
 Tested By: Kei Zhang
 Reviewed By: Terry Yin

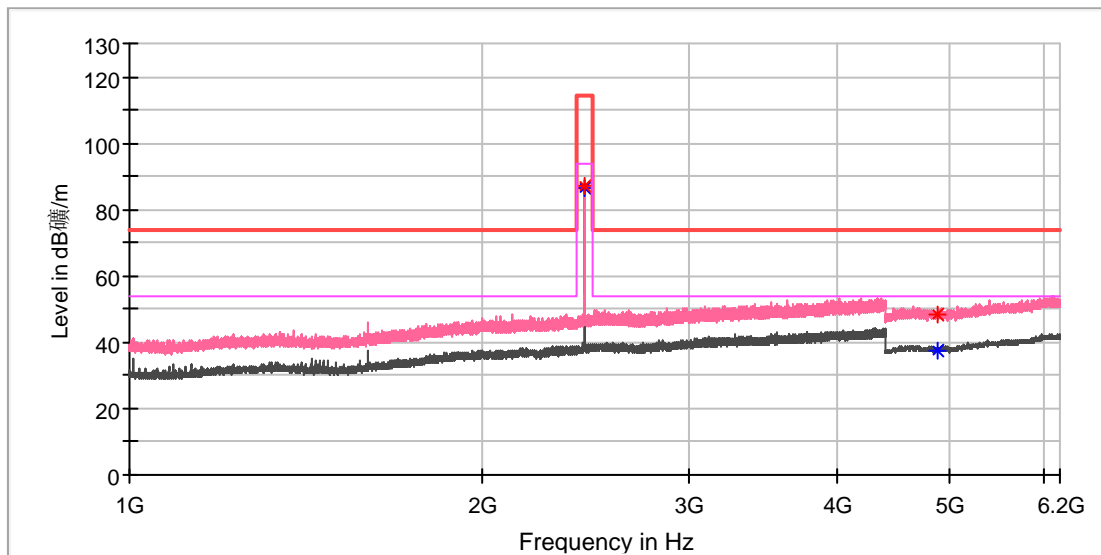


Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7319.525000	---	36.33	54.00	17.67	100.0	H	141.0	8.2
7321.000000	44.04	---	74.00	29.96	100.0	H	141.0	8.2

EUT Information

EUT Name: Lenovo Go Wireless Vertical Mouse
 Model: MB665W
 Test Mode: 2440MHz
 Test Voltage:: Battery
 Remark: Temp 23 Humi:51%
 Test Standard: FCC 15.249
 Tested By: Kei Zhang
 Reviewed By: Terry Yin

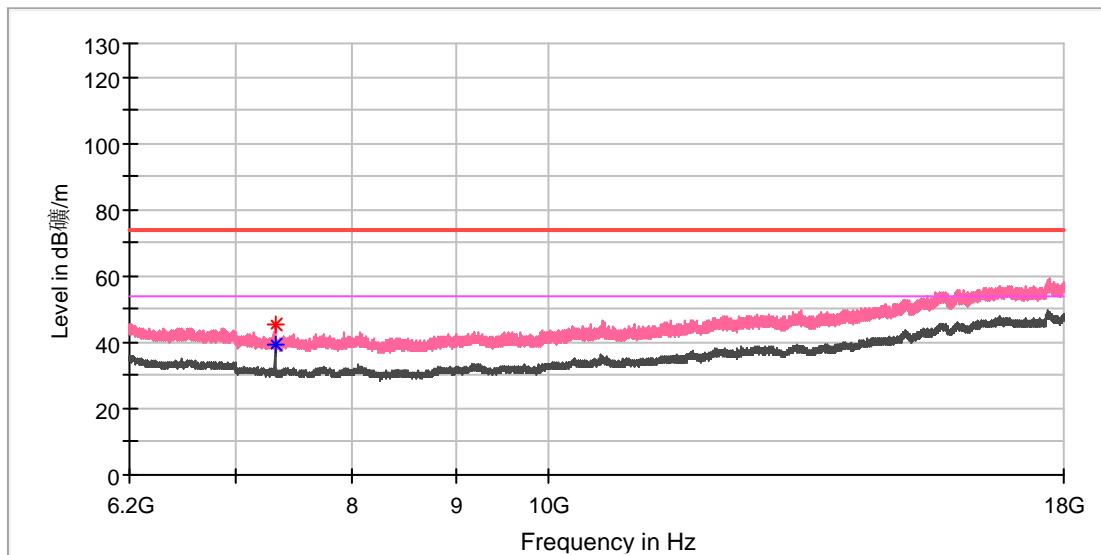


Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2439.730000	87.22	---	114.00	26.78	100.0	V	320.0	7.4
2439.900000	---	86.32	94.00	7.68	100.0	V	320.0	7.4
4880.000000	---	37.78	54.00	16.22	100.0	V	329.0	11.8
4882.000000	48.66	---	74.00	25.34	100.0	V	94.0	11.8

EUT Information

EUT Name: Lenovo Go Wireless Vertical Mouse
 Model: MB665W
 Test Mode: 2440MHz
 Test Voltage:: Battery
 Remark: Temp 23 Humi:51%
 Test Standard: FCC 15.249
 Tested By: Kei Zhang
 Reviewed By: Terry Yin

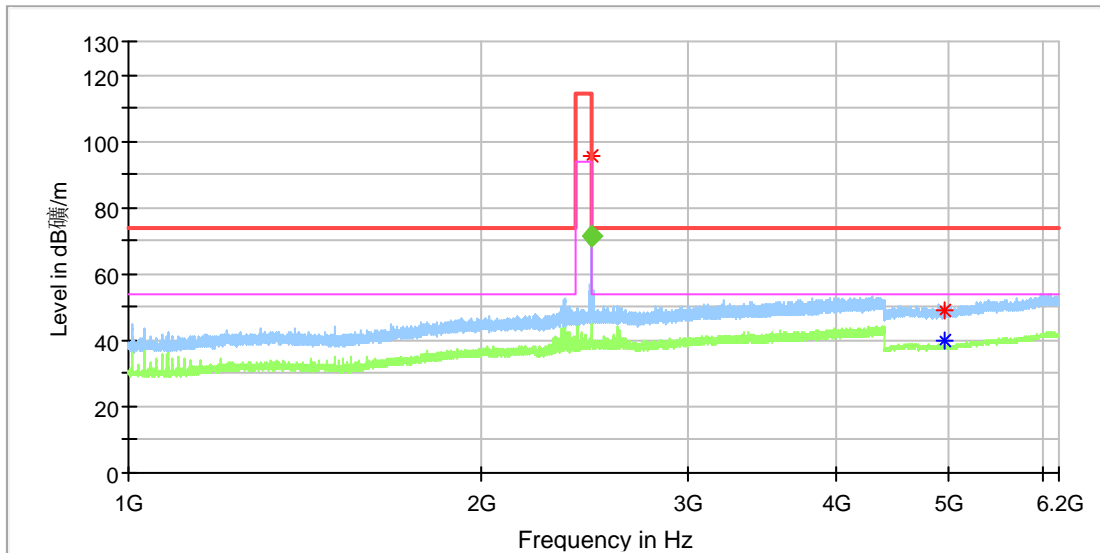


Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7319.033333	45.35	---	74.00	28.65	100.0	V	0.0	8.2
7319.525000	---	39.44	54.00	14.56	100.0	V	0.0	8.2

EUT Information

EUT Name: Lenovo Go Wireless Vertical Mouse
 Model: MB665W
 Test Mode: 2480MHz
 Test Voltage:: Battery
 Remark: Temp 23 Humi:51%
 Test Standard: FCC 15.249
 Tested By: Kei Zhang
 Reviewed By: Terry Yin



Critical_Freqs

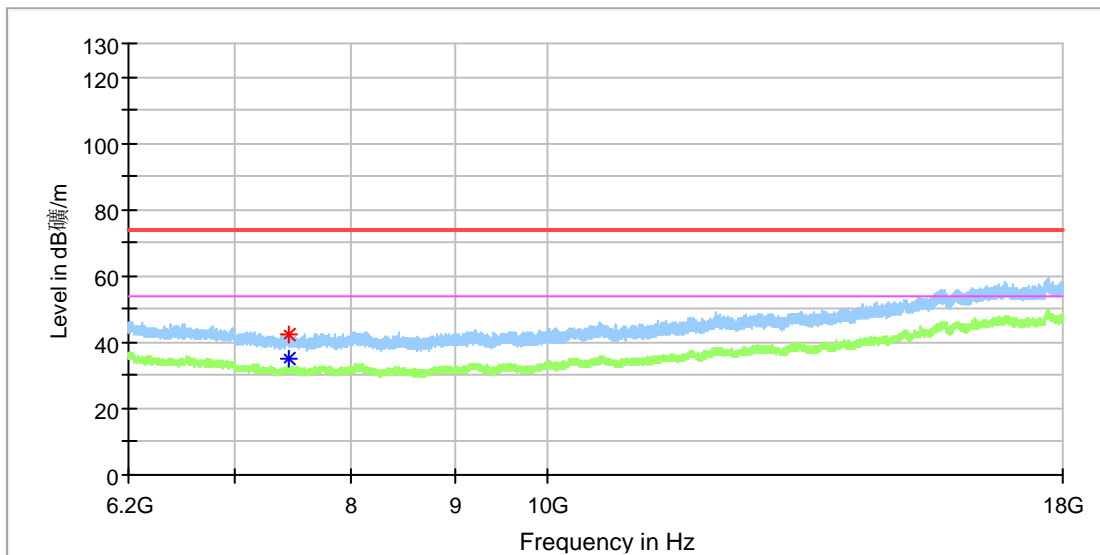
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2480.190000	95.79	---	114.00	18.21	100.0	H	239.0	7.4
4957.000000	49.28	---	74.00	24.72	100.0	H	223.0	11.8
4959.500000	---	39.87	54.00	14.13	100.0	H	81.0	11.8

Final_Result

Frequency (MHz)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2480.031500	71.61	94.00	22.39	100.0	H	239.0	7.4

EUT Information

EUT Name: Lenovo Go Wireless Vertical Mouse
 Model: MB665W
 Test Mode: 2480MHz
 Test Voltage:: Battery
 Remark: Temp 23 Humi:51%
 Test Standard: FCC 15.249
 Tested By: Kei Zhang
 Reviewed By: Terry Yin

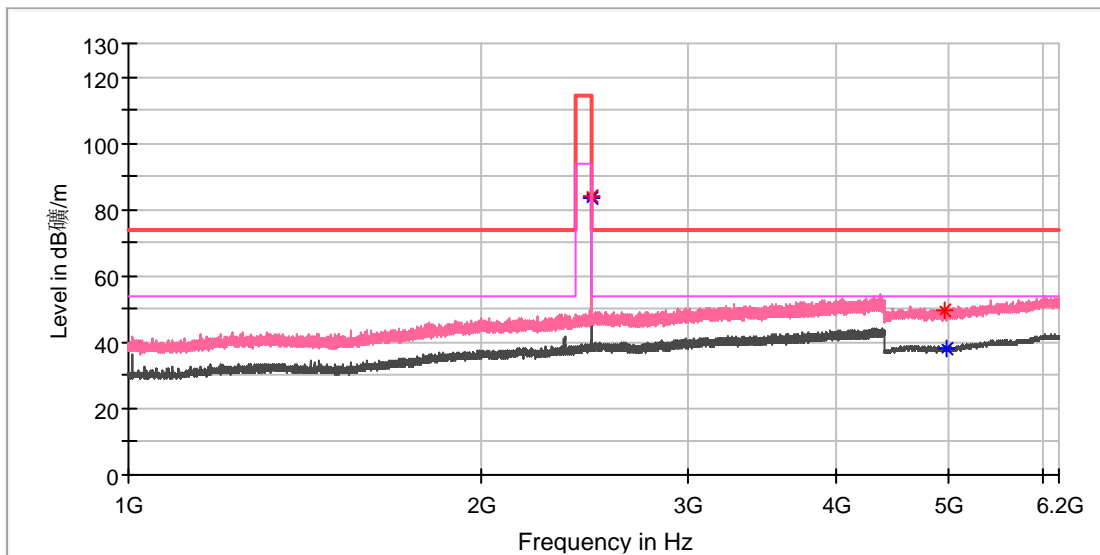


Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7439.983333	42.20	---	74.00	31.80	100.0	H	179.0	8.4
7439.983333	---	35.07	54.00	18.93	100.0	H	179.0	8.4

EUT Information

EUT Name: Lenovo Go Wireless Vertical Mouse
 Model: MB665W
 Test Mode: 2480MHz
 Test Voltage:: Battery
 Remark: Temp 23 Humi:51%
 Test Standard: FCC 15.249
 Tested By: Kei Zhang
 Reviewed By: Terry Yin

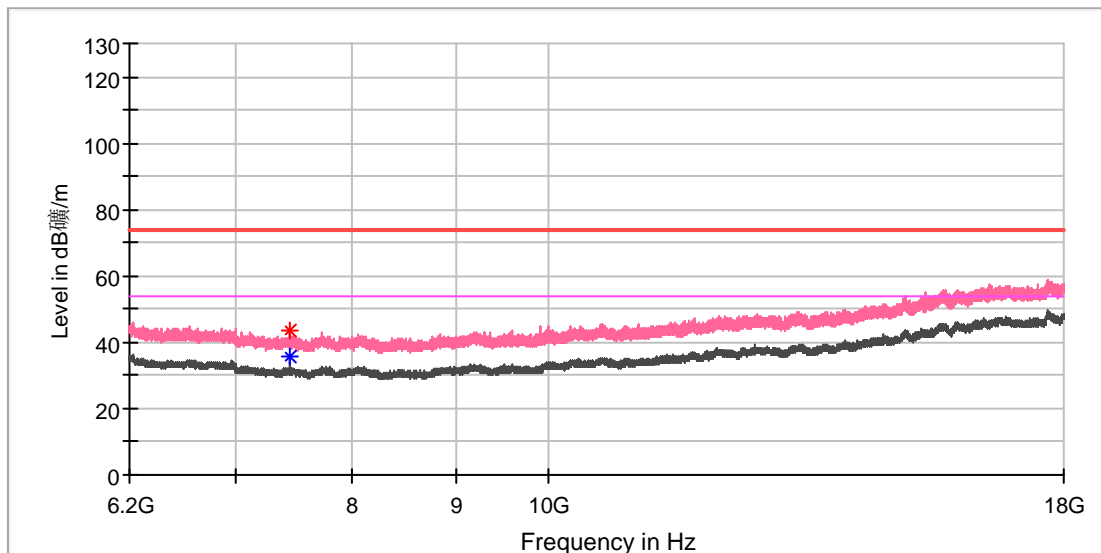


Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2480.020000	---	83.27	94.00	10.73	100.0	V	51.0	7.4
2480.190000	84.10	---	114.00	29.90	100.0	V	302.0	7.4
4963.500000	49.67	---	74.00	24.33	100.0	V	112.0	11.8
4967.000000	---	38.39	54.00	15.61	100.0	V	177.0	11.8

EUT Information

EUT Name: Lenovo Go Wireless Vertical Mouse
 Model: MB665W
 Test Mode: 2480MHz
 Test Voltage:: Battery
 Remark: Temp 23 Humi:51%
 Test Standard: FCC 15.249
 Tested By: Kei Zhang
 Reviewed By: Terry Yin

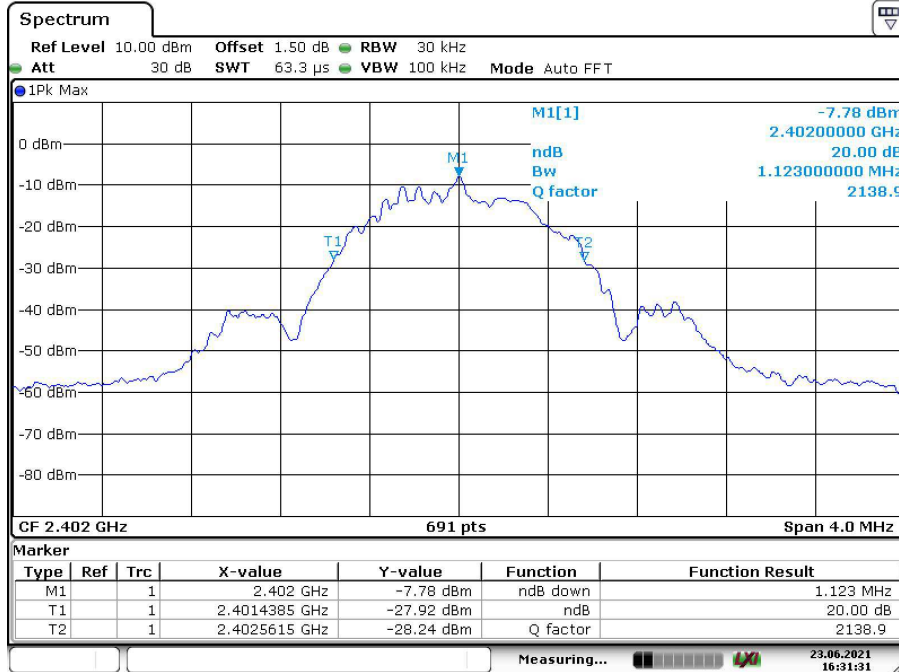


Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7439.000000	43.55	---	74.00	30.45	100.0	V	0.0	8.4
7439.983333	---	35.64	54.00	18.36	100.0	V	0.0	8.4

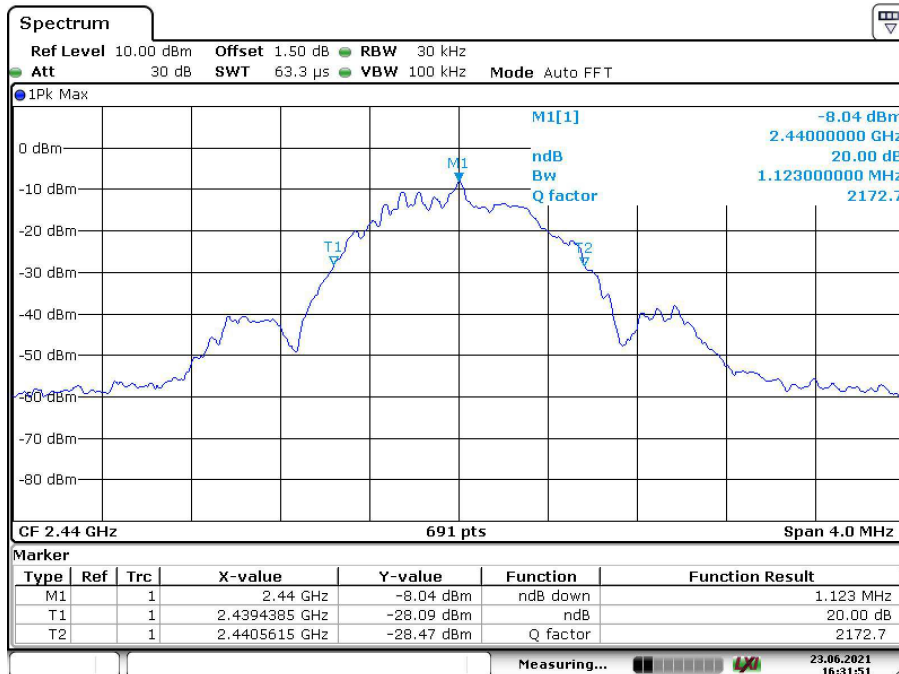
Appendix B.2: Test Results of 20dB Bandwidth

2402MHz



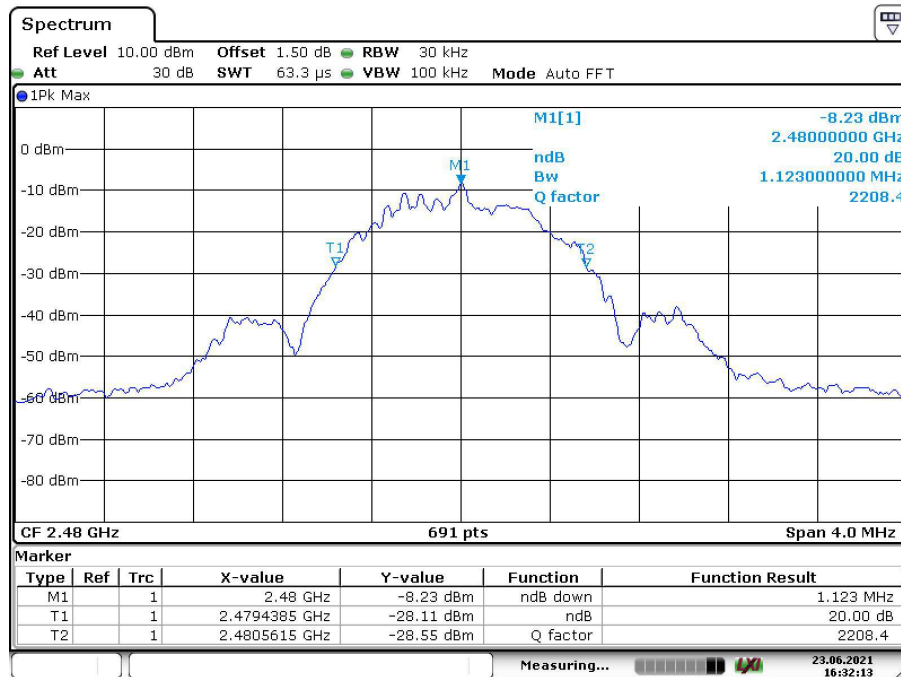
Date: 23.JUN.2021 16:31:31

2440MHz



Date: 23.JUN.2021 16:31:51

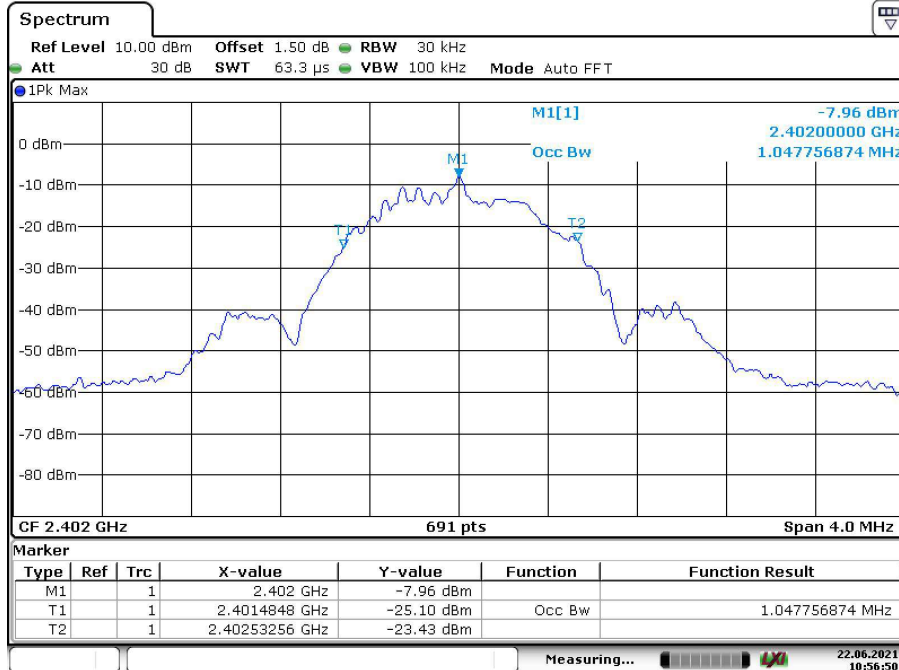
2480MHz



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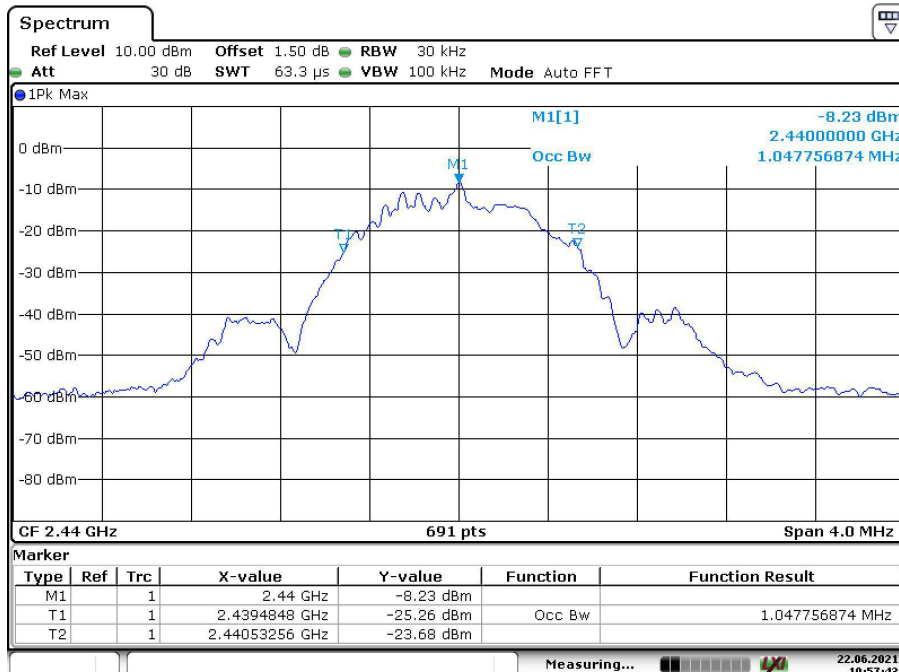
Appendix B.3: Test Results of 99% Bandwidth

2402MHz



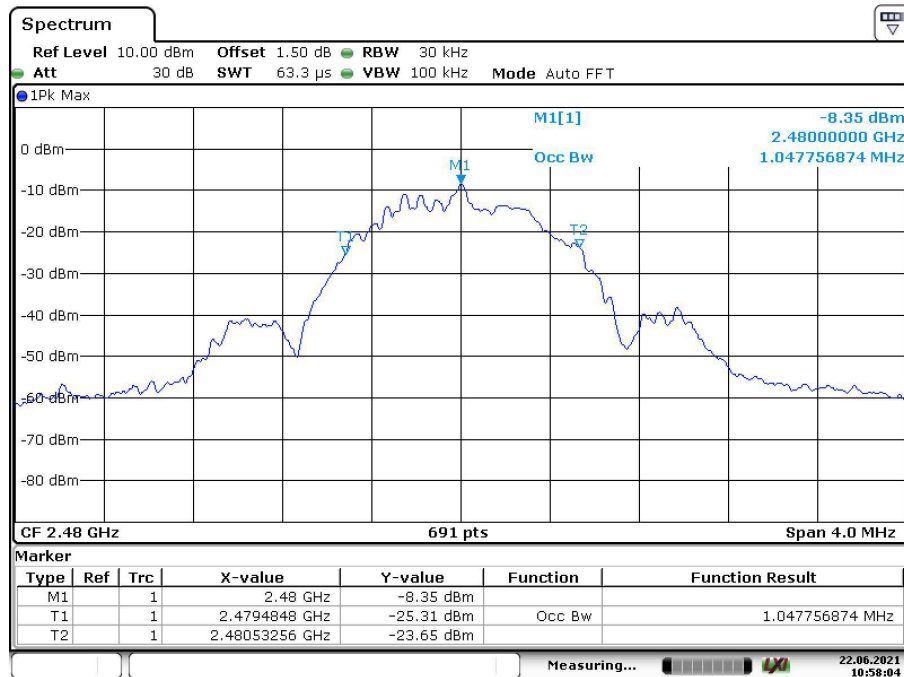
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2440MHz



Date: 22.JUN.2021 10:57:44

2480MHz

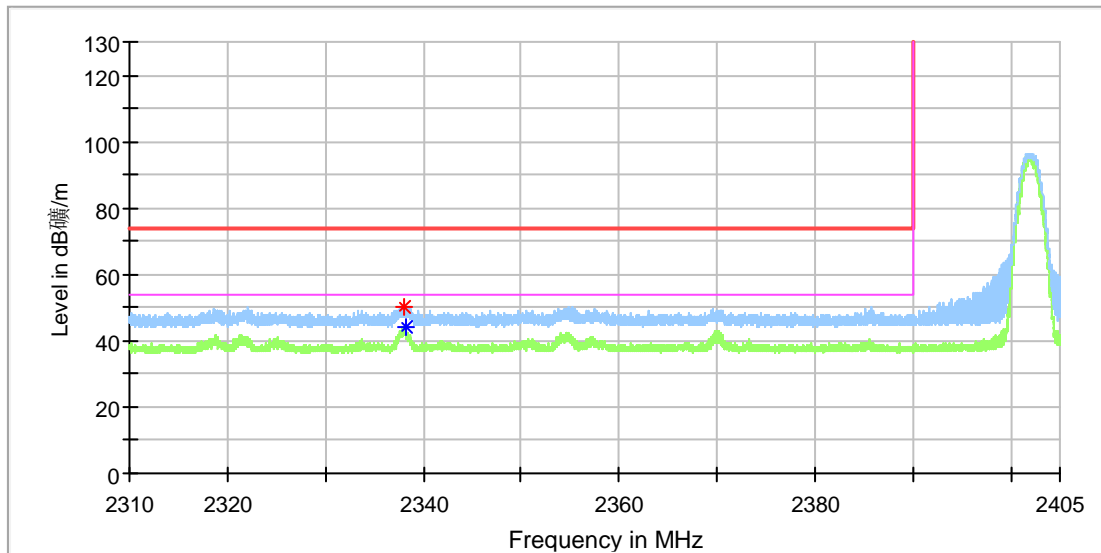


Date: 22.JUN.2021 10:58:05

Appendix B.4: Test Results of Band Edge

EUT Information

EUT Name: Lenovo Go Wireless Vertical Mouse
 Model: MB665W
 Test Mode: 2402MHz
 Test Voltage:: Battery
 Remark: Temp 23 Humi:51%
 Test Standard: FCC 15.249
 Tested By: Kei Zhang
 Reviewed By: Terry Yin

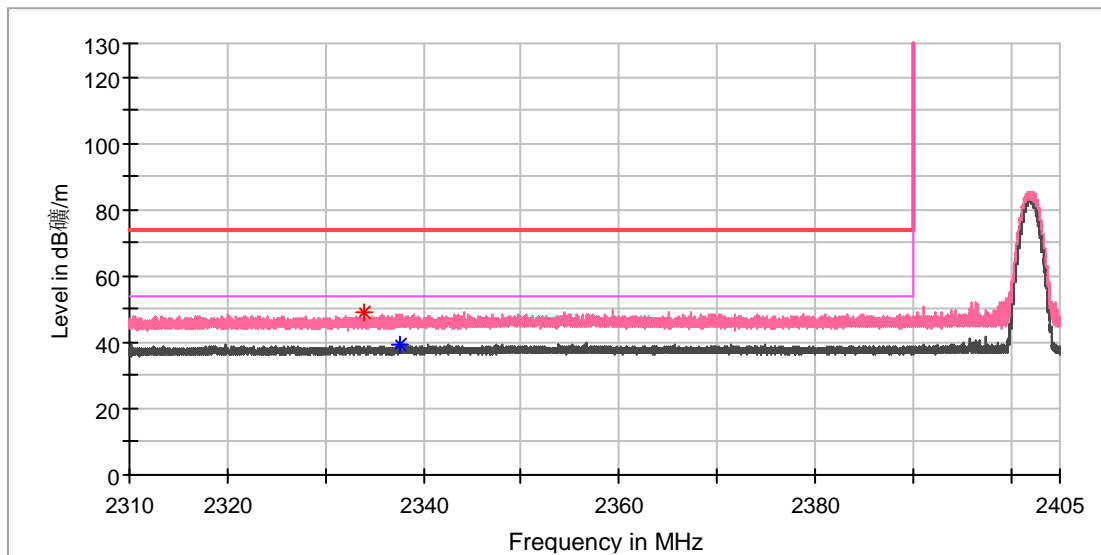


Critical Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2338.106000	49.98	---	74.00	24.02	100.0	H	243.0	6.8
2338.261250	---	44.32	54.00	9.68	100.0	H	256.0	6.8

EUT Information

EUT Name: Lenovo Go Wireless Vertical Mouse
 Model: MB665W
 Test Mode: 2402MHz
 Test Voltage:: Battery
 Remark: Temp 23 Humi:51%
 Test Standard: FCC 15.249
 Tested By: Kei Zhang
 Reviewed By: Terry Yin

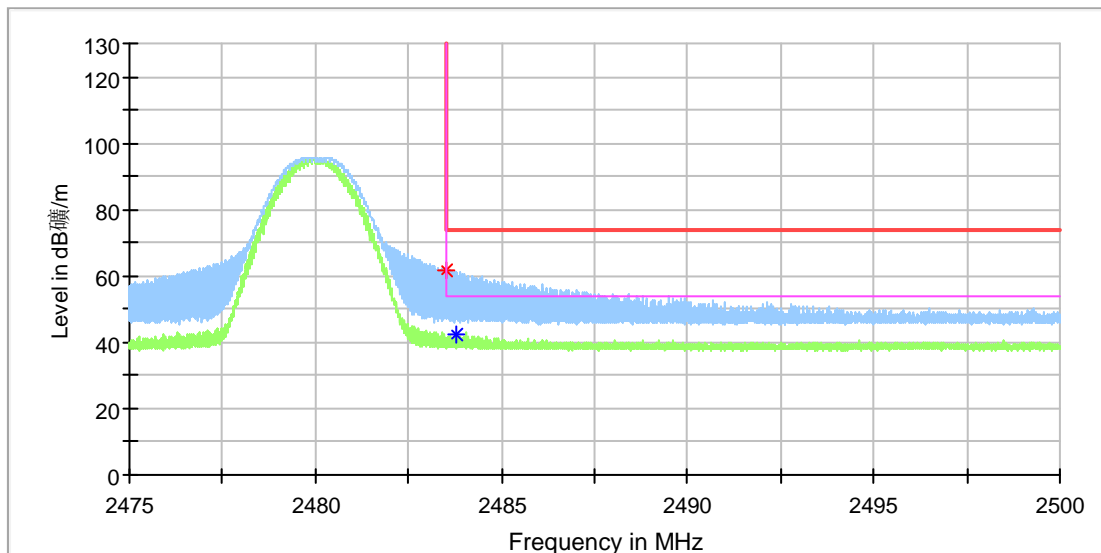


Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2333.983250	48.79	---	74.00	25.21	100.0	V	354.0	6.7
2337.611500	---	39.37	54.00	14.63	100.0	V	126.0	6.8

EUT Information

EUT Name:	Lenovo Go Wireless Vertical Mouse
Model:	MB665W
Test Mode:	2480MHz
Test Voltage::	Battery
Remark:	Temp 23 Humi:51%
Test Standard:	FCC 15.249
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

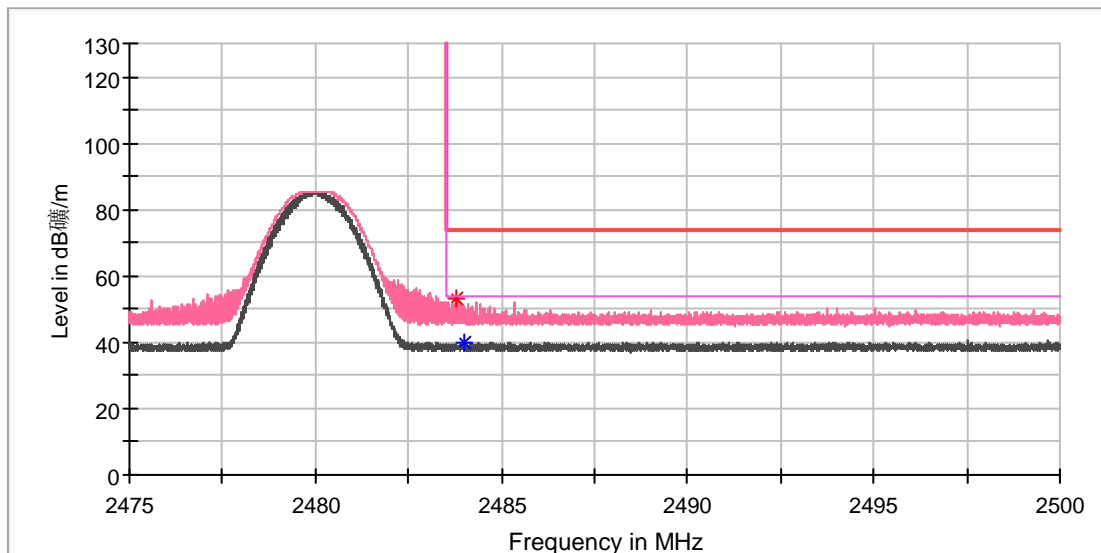


Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2483.505000	61.81	---	74.00	12.19	100.0	H	254.0	7.4
2483.785000	---	42.32	54.00	11.68	100.0	H	243.0	7.4

EUT Information

EUT Name:	Lenovo Go Wireless Vertical Mouse
Model:	MB665W
Test Mode:	2480MHz
Test Voltage::	Battery
Remark:	Temp 23 Humi:51%
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)
2483.797500	53.31	---	74.00	20.69	100.0	V	279.0	7.4
2484.015000	---	39.76	54.00	14.24	100.0	V	6.0	7.4