

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

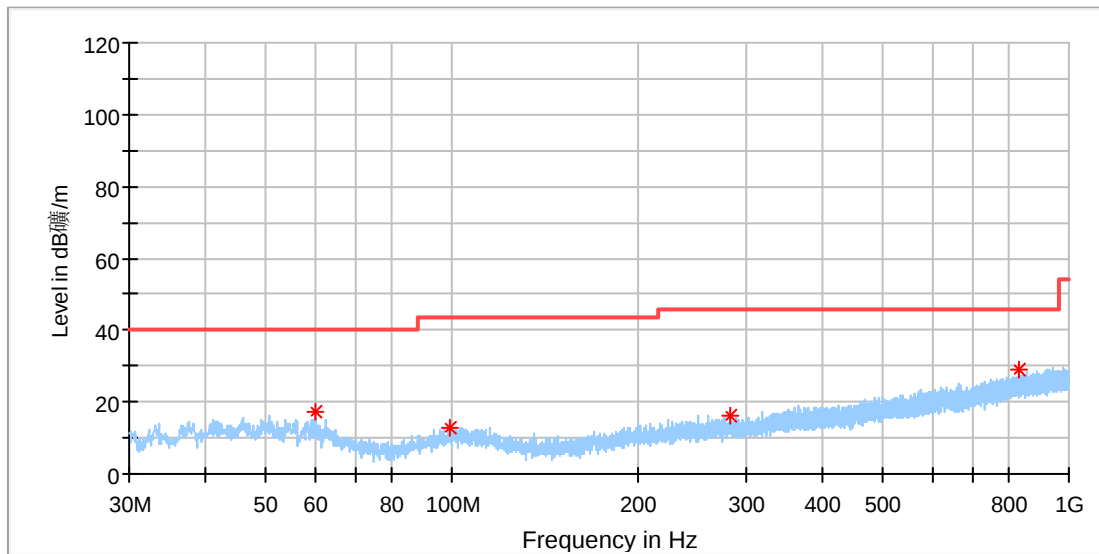
Note: The testing was carried out within frequency range 9kHz to the tenth harmonics. The measurement results below 30MHz and 18GHz to 26.5GHz were greater than 20dB below the limit, so only the radiated spurious emissions from 30MHz to 18GHz were reported.

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

30MHz - 1GHz

EUT Information

EUT Name:	USB C compact wireless mouse
Model:	MORFN6O
Test Mode:	2.4GHz Low CH
Test Voltage::	Battery
Remark:	Temp 23 Humi:45%
Test Standard:	FCC 15.249
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

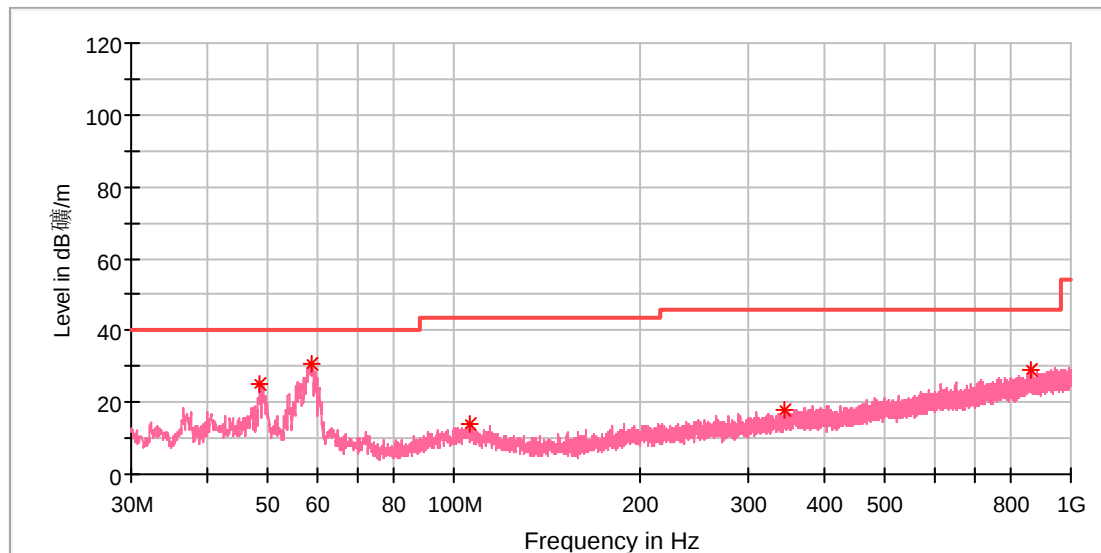


Critical Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
60.070000	17.11	40.00	22.89	100.0	H	238.0	-19.0
99.064000	13.03	43.50	30.47	100.0	H	197.0	-19.1
282.830500	16.33	46.00	29.67	100.0	H	155.0	-16.6
831.705000	28.98	46.00	17.02	100.0	H	0.0	-5.8

EUT Information

EUT Name: USB C compact wireless mouse
Model: MORFN6O
Test Mode: 2.4GHz Low CH
Test Voltage:: Battery
Remark: Temp 23 Humi:45%
Test Standard: FCC 15.249
Tested By: Kei Zhang
Reviewed By: Terry Yin

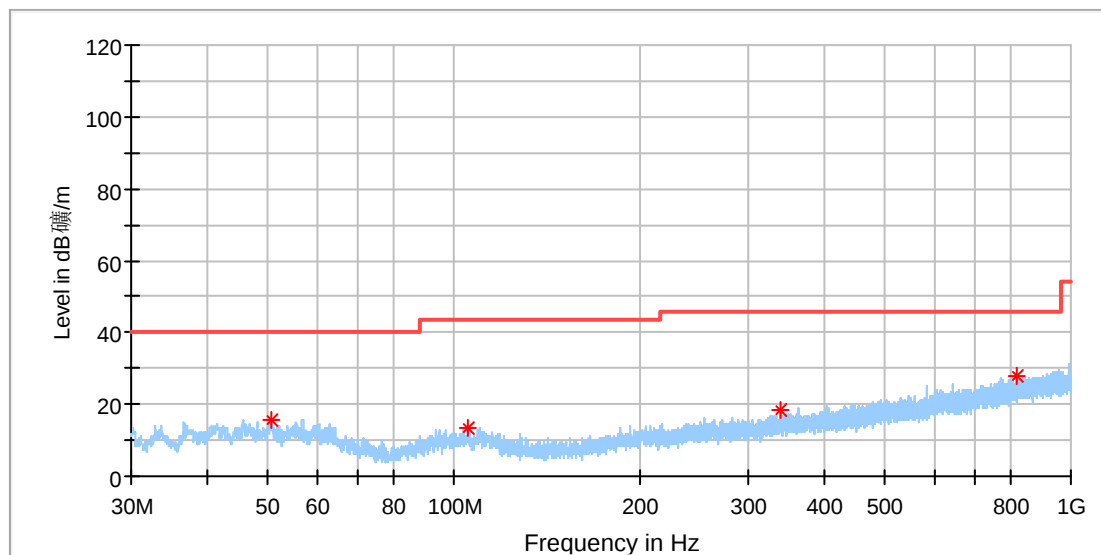


Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
48.478500	24.90	40.00	15.10	100.0	V	59.0	-18.4
58.809000	30.58	40.00	9.42	100.0	V	0.0	-18.8
106.484500	14.18	43.50	29.32	100.0	V	9.0	-18.8
343.455500	17.82	46.00	28.18	100.0	V	234.0	-14.9
861.872000	29.04	46.00	16.96	100.0	V	0.0	-5.3

EUT Information

EUT Name: USB C compact wireless mouse
Model: MORFN6O
Test Mode: 2.4GHz High CH
Test Voltage:: Battery
Remark: Temp 23 Humi:45%
Test Standard: FCC 15.249
Tested By: Kei Zhang
Reviewed By: Terry Yin

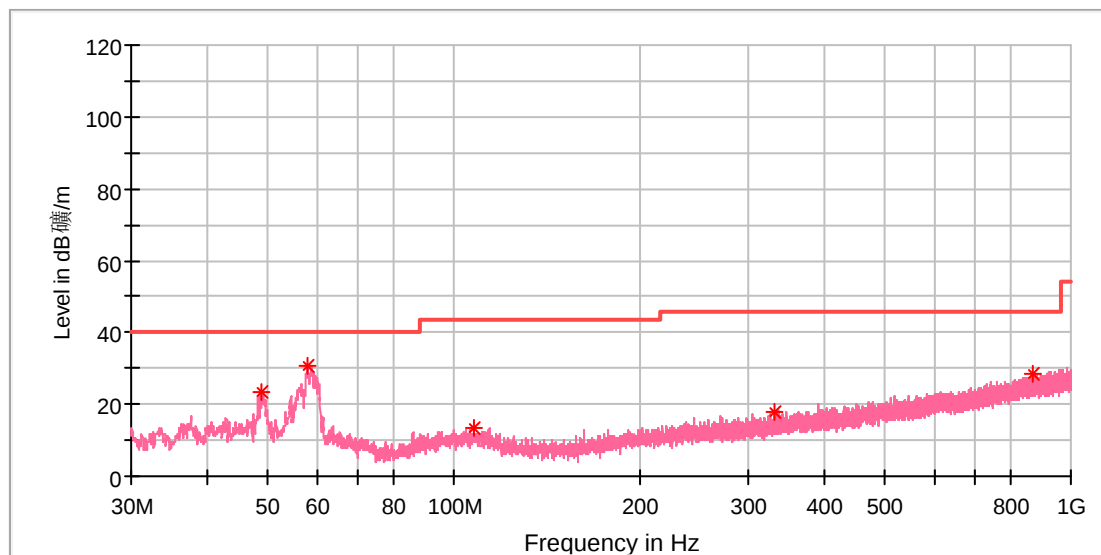


Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
50.758000	15.68	40.00	24.32	100.0	H	206.0	-18.3
105.078000	13.49	43.50	30.01	100.0	H	198.0	-18.7
338.557000	18.56	46.00	27.44	100.0	H	170.0	-15.0
819.628500	27.87	46.00	18.13	100.0	H	313.0	-6.0

EUT Information

EUT Name: USB C compact wireless mouse
Model: MORFN6O
Test Mode: 2.4GHz High CH
Test Voltage:: Battery
Remark: Temp 23 Humi:45%
Test Standard: FCC 15.249
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical_Freqs

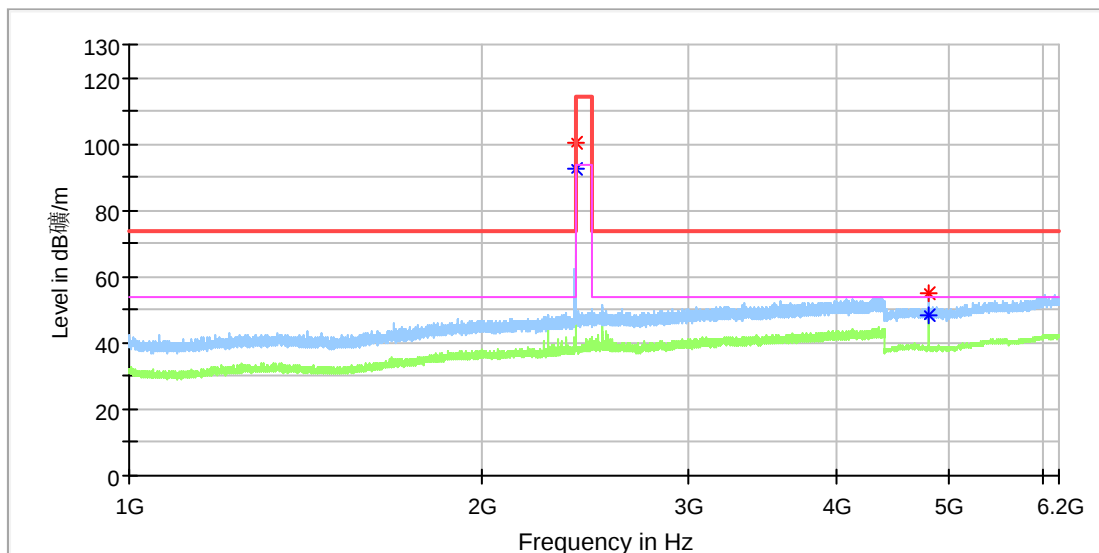
Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
48.818000	23.35	40.00	16.65	100.0	V	308.0	-18.4
57.984500	30.91	40.00	9.09	100.0	V	31.0	-18.8
107.697000	13.12	43.50	30.38	100.0	V	298.0	-18.9
331.427500	17.96	46.00	28.04	100.0	V	332.0	-15.4
869.971500	28.30	46.00	17.70	100.0	V	0.0	-5.2

1GHz - 18GHz

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

EUT Information

EUT Name:	USB C compact wireless mouse
Model:	MORFN60
Test Mode:	2.4GHz Low CH
Test Voltage::	Battery
Remark:	Temp 23 Humi:45%
Test Standard:	FCC 15.249
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

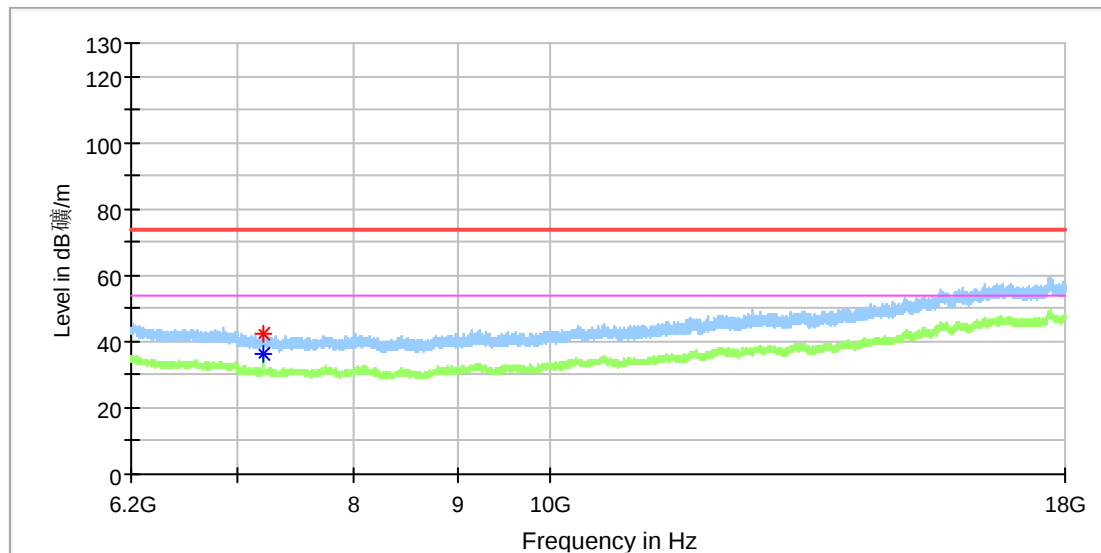


Critical Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2401.140000	---	92.25	94.00	1.75	100.0	H	17.0	7.0
2401.820000	100.65	---	114.00	13.35	100.0	H	17.0	7.0
4804.000000	55.32	---	74.00	18.68	100.0	H	152.0	11.8
4804.000000	---	48.48	54.00	5.52	100.0	H	152.0	11.8

EUT Information

EUT Name: USB C compact wireless mouse
Model: MORFN6O
Test Mode: 2.4GHz Low CH
Test Voltage:: Battery
Remark: Temp 23 Humi:45%
Test Standard: FCC 15.249
Tested By: Kei Zhang
Reviewed By: Terry Yin

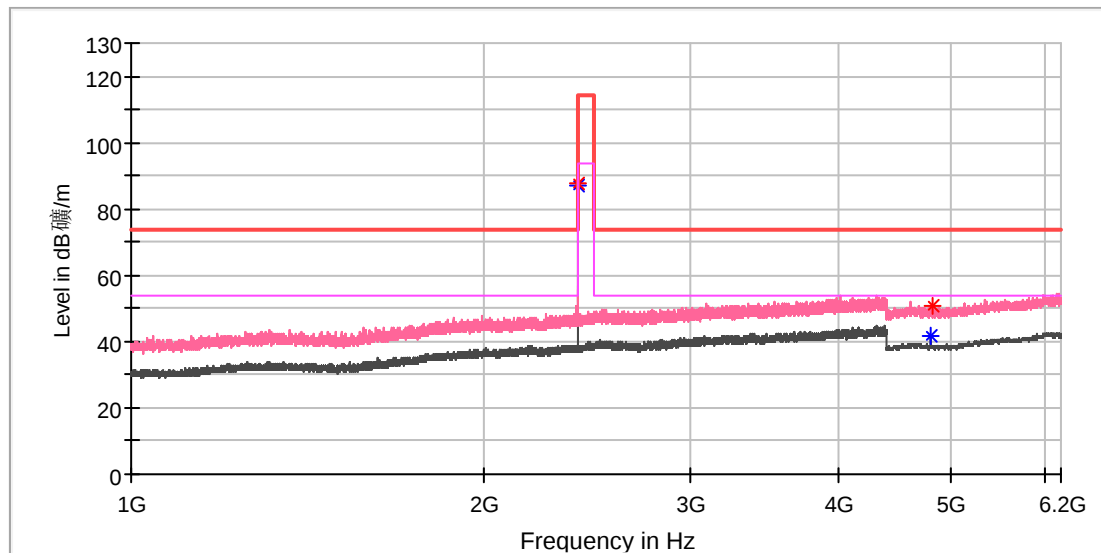


Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7204.966667	42.35	---	74.00	31.65	100.0	H	196.0	8.8
7205.950000	---	36.23	54.00	17.77	100.0	H	196.0	8.8

EUT Information

EUT Name: USB C compact wireless mouse
Model: MORFN6O
Test Mode: 2.4GHz Low CH
Test Voltage:: Battery
Remark: Temp 23 Humi:45%
Test Standard: FCC 15.249
Tested By: Kei Zhang
Reviewed By: Terry Yin

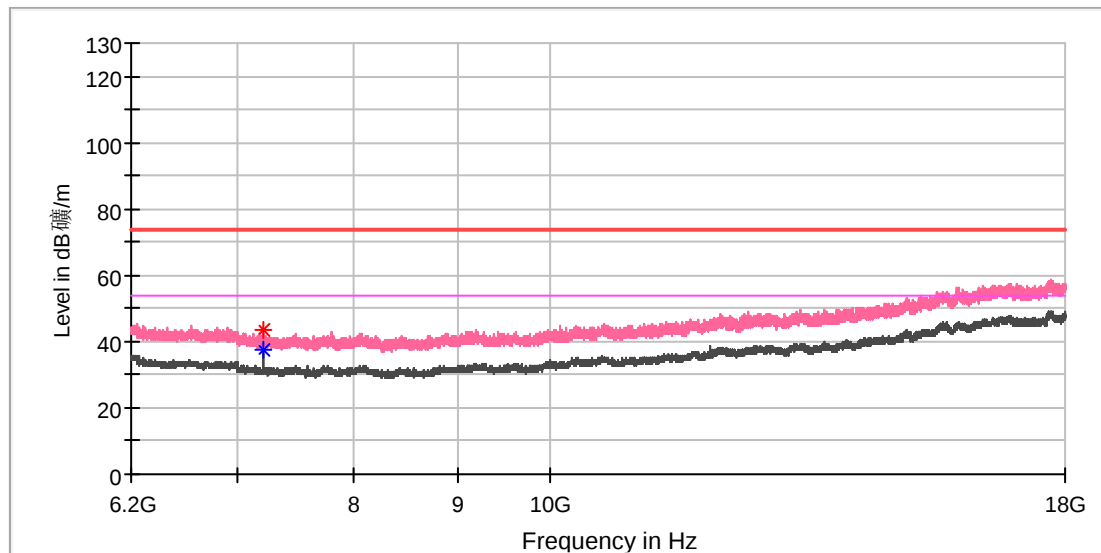


Critical Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2401.990000	---	87.19	94.00	6.81	100.0	V	354.0	7.0
2402.160000	87.52	---	114.00	26.48	100.0	V	354.0	7.0
4804.000000	---	41.77	54.00	12.23	100.0	V	139.0	11.8
4811.500000	50.56	---	74.00	23.44	100.0	V	32.0	11.8

EUT Information

EUT Name: USB C compact wireless mouse
Model: MORFN6O
Test Mode: 2.4GHz Low CH
Test Voltage:: Battery
Remark: Temp 23 Humi:45%
Test Standard: FCC 15.249
Tested By: Kei Zhang
Reviewed By: Terry Yin

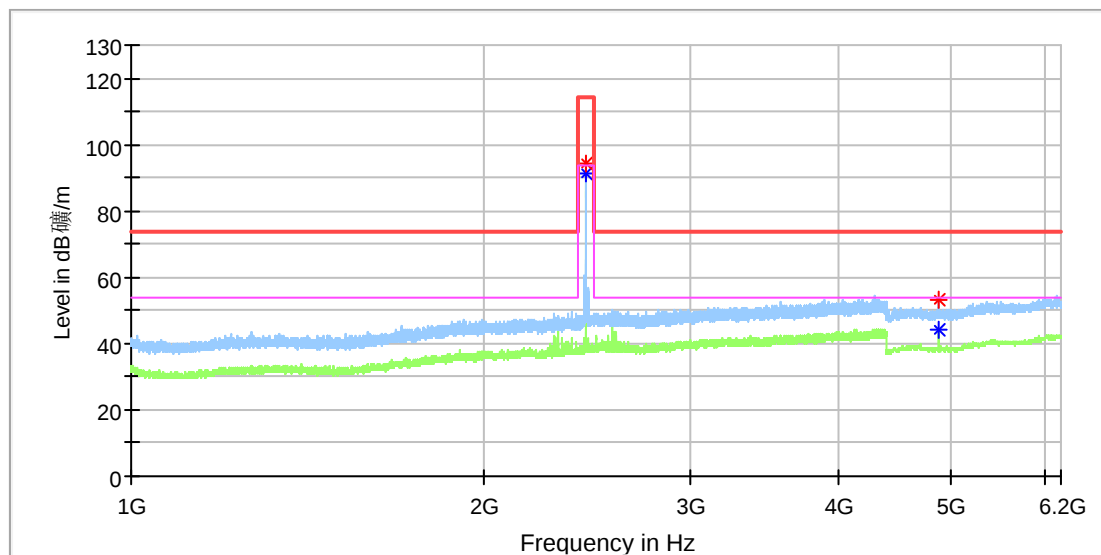


Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7205.950000	43.38	---	74.00	30.63	100.0	V	59.0	8.8
7205.950000	---	37.68	54.00	16.32	100.0	V	59.0	8.8

EUT Information

EUT Name: USB C compact wireless mouse
Model: MORFN6O
Test Mode: 2.4GHz Middle CH
Test Voltage:: Battery
Remark: Temp 23 Humi:45%
Test Standard: FCC 15.249
Tested By: Kei Zhang
Reviewed By: Terry Yin

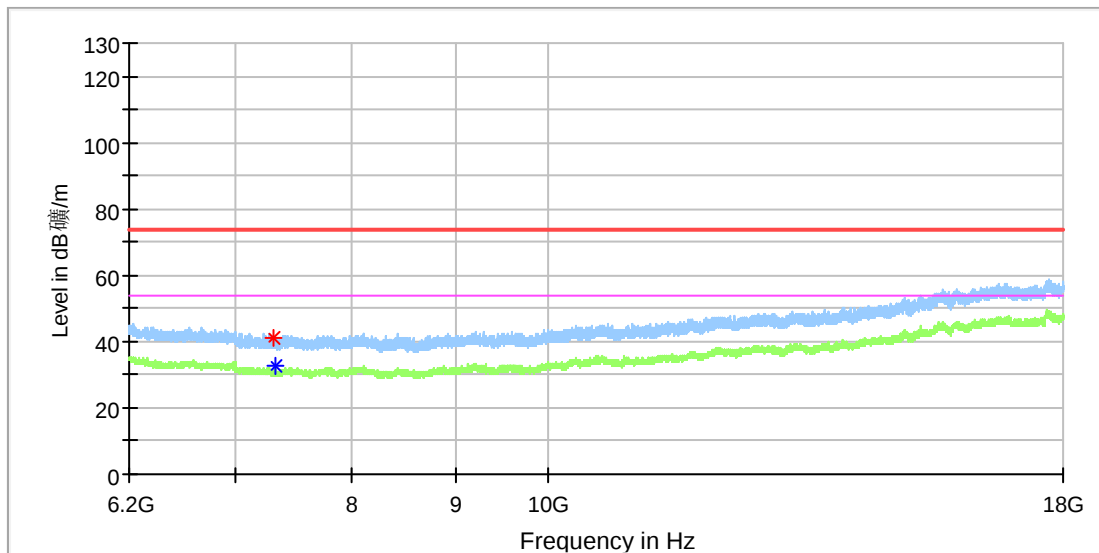


Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2441.090000	94.10	---	114.00	19.90	100.0	H	231.0	7.4
2441.430000	---	91.42	94.00	2.58	100.0	H	231.0	7.4
4881.500000	---	43.85	54.00	10.15	100.0	H	340.0	11.8
4882.000000	53.07	---	74.00	20.93	100.0	H	328.0	11.8

EUT Information

EUT Name: USB C compact wireless mouse
Model: MORFN6O
Test Mode: 2.4GHz Middle CH
Test Voltage:: Battery
Remark: Temp 23 Humi:45%
Test Standard: FCC 15.249
Tested By: Kei Zhang
Reviewed By: Terry Yin

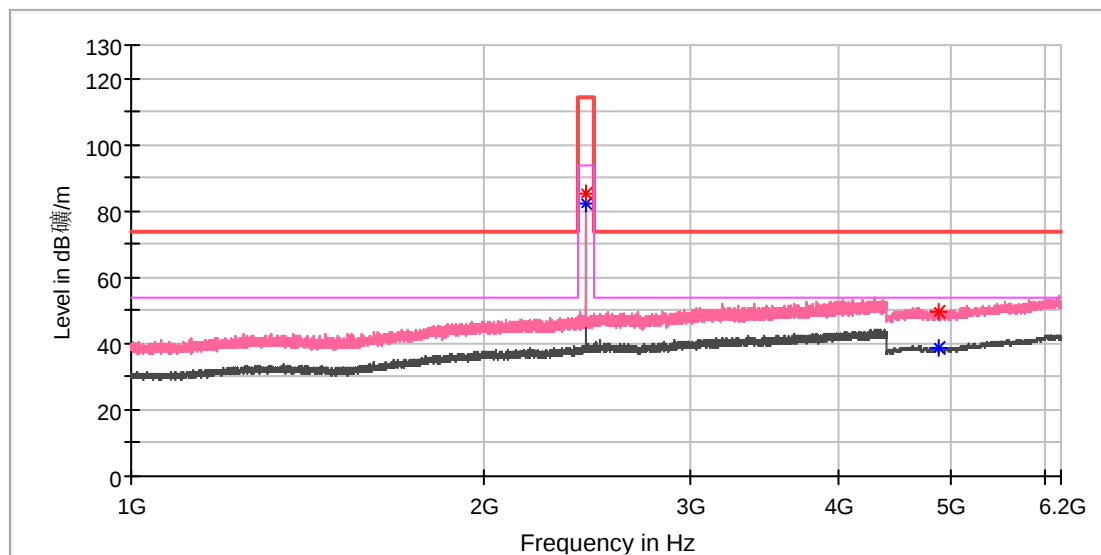


Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7303.300000	41.39	---	74.00	32.61	100.0	H	0.0	8.3
7322.966667	---	32.44	54.00	21.56	100.0	H	115.0	8.2

EUT Information

EUT Name: USB C compact wireless mouse
Model: MORFN6O
Test Mode: 2.4GHz Middle CH
Test Voltage:: Battery
Remark: Temp 23 Humi:45%
Test Standard: FCC 15.249
Tested By: Kei Zhang
Reviewed By: Terry Yin

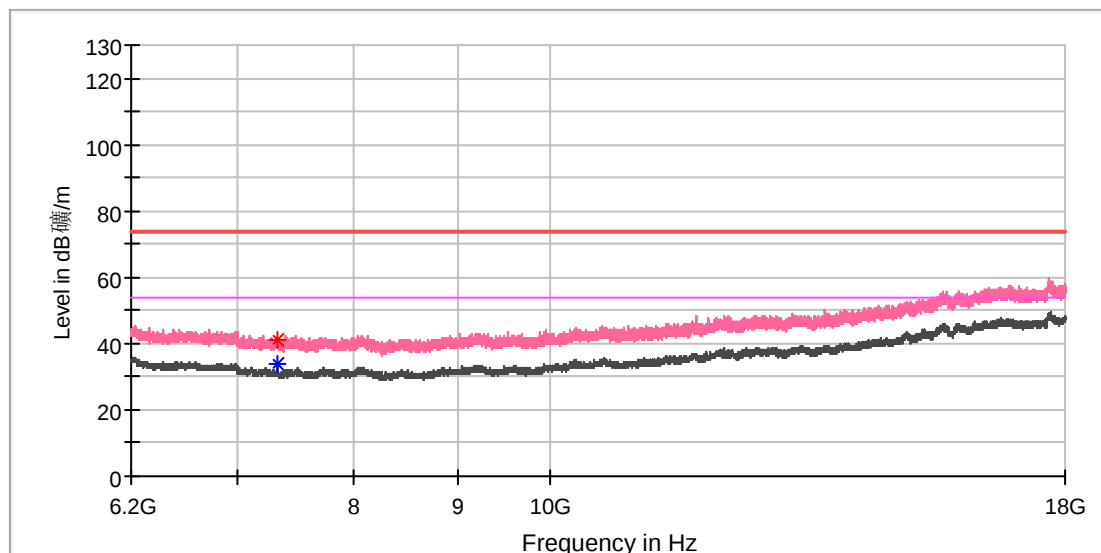


Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2440.410000	---	82.26	94.00	11.74	100.0	V	319.0	7.4
2440.580000	85.41	---	114.00	28.59	100.0	V	319.0	7.4
4882.000000	---	38.91	54.00	15.09	100.0	V	100.0	11.8
4885.500000	49.84	---	74.00	24.16	100.0	V	15.0	11.8

EUT Information

EUT Name: USB C compact wireless mouse
Model: MORFN6O
Test Mode: 2.4GHz Middle CH
Test Voltage:: Battery
Remark: Temp 23 Humi:45%
Test Standard: FCC 15.249
Tested By: Kei Zhang
Reviewed By: Terry Yin

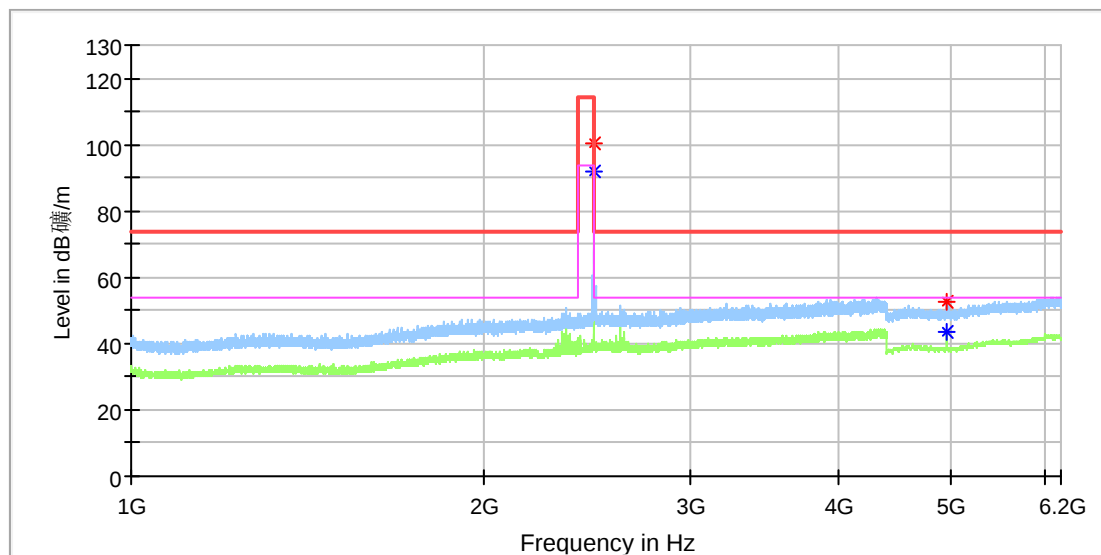


Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7322.475000	---	34.00	54.00	20.00	100.0	V	157.0	8.2
7323.950000	41.08	---	74.00	32.92	100.0	V	157.0	8.2

EUT Information

EUT Name: USB C compact wireless mouse
Model: MORFN6O
Test Mode: 2.4GHz High CH
Test Voltage:: Battery
Remark: Temp 23 Humi:45%
Test Standard: FCC 15.249
Tested By: Kei Zhang
Reviewed By: Terry Yin

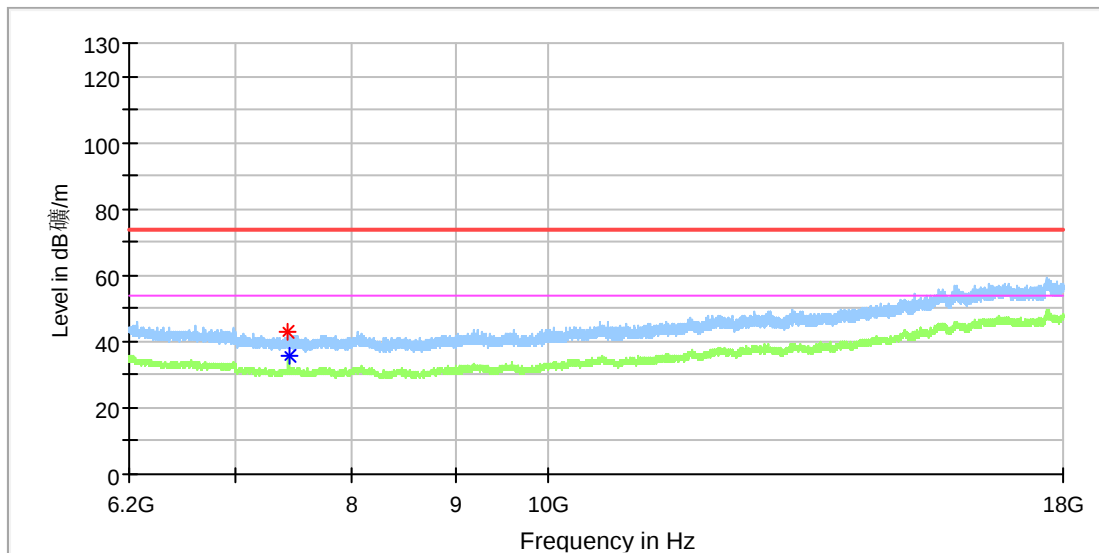


Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2478.830000	100.53	---	114.00	13.47	100.0	H	8.0	7.4
2479.680000	---	92.03	94.00	1.97	100.0	H	126.0	7.4
4958.000000	52.58	---	74.00	21.42	100.0	H	3.0	11.8
4958.000000	---	43.39	54.00	10.61	100.0	H	3.0	11.8

EUT Information

EUT Name: USB C compact wireless mouse
Model: MORFN6O
Test Mode: 2.4GHz High CH
Test Voltage:: Battery
Remark: Temp 23 Humi:45%
Test Standard: FCC 15.249
Tested By: Kei Zhang
Reviewed By: Terry Yin



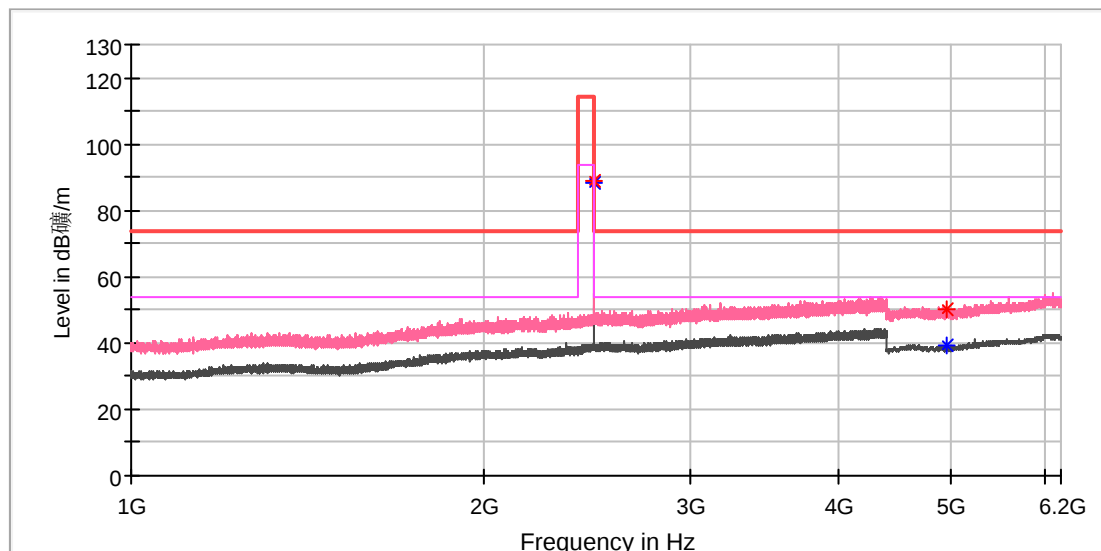
Critical Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7436.050000	42.68	---	74.00	31.32	100.0	H	142.0	8.4
7436.541667	---	35.87	54.00	18.13	100.0	H	142.0	8.4

Test Report

EUT Information

EUT Name: USB C compact wireless mouse
Model: MORFN60
Test Mode: 2.4GHz High CH
Test Voltage:: Battery
Remark: Temp 23 Humi:45%
Test Standard: FCC 15.249
Tested By: Kei Zhang
Reviewed By: Terry Yin

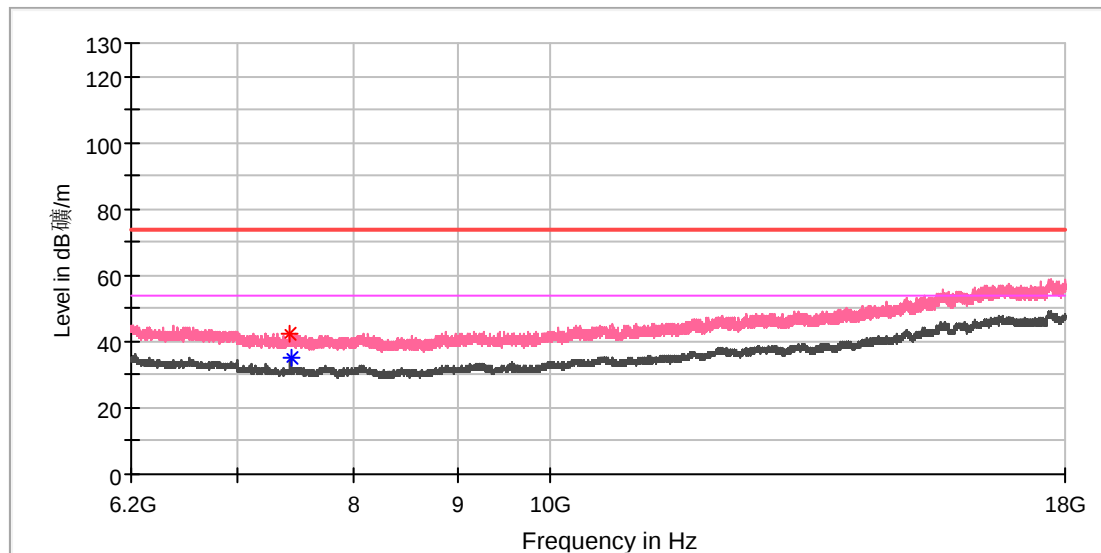


Critical Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2479.000000	---	88.50	94.00	5.50	100.0	V	310.0	7.4
2479.170000	88.73	---	114.00	25.27	100.0	V	310.0	7.4
4954.500000	50.02	---	74.00	23.98	100.0	V	46.0	11.8
4957.500000	---	39.37	54.00	14.63	100.0	V	131.0	11.8

EUT Information

EUT Name: USB C compact wireless mouse
Model: MORFN6O
Test Mode: 2.4GHz High CH
Test Voltage:: Battery
Remark: Temp 23 Humi:45%
Test Standard: FCC 15.249
Tested By: Kei Zhang
Reviewed By: Terry Yin

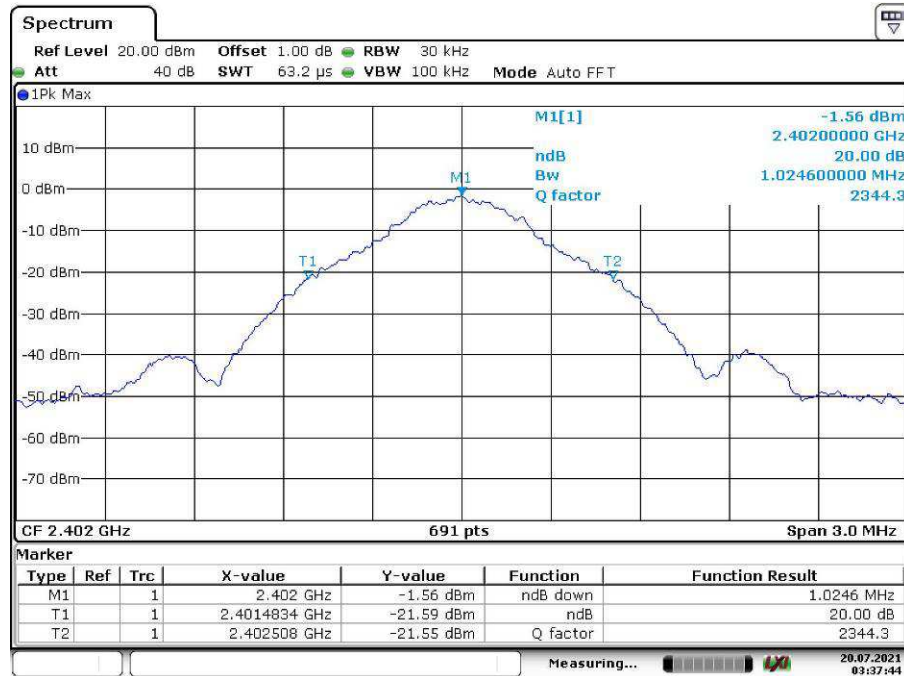


Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7436.050000	42.31	---	74.00	31.69	100.0	V	22.0	8.4
7437.033333	---	34.91	54.00	19.09	100.0	V	22.0	8.4

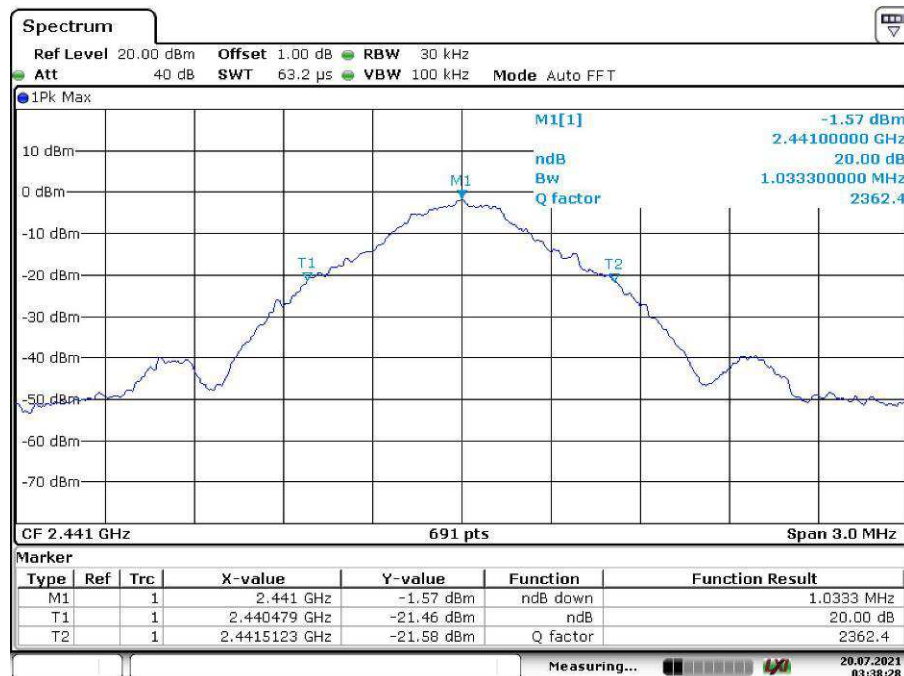
Appendix B.2: Test Results of 20dB Bandwidth

2402MHz



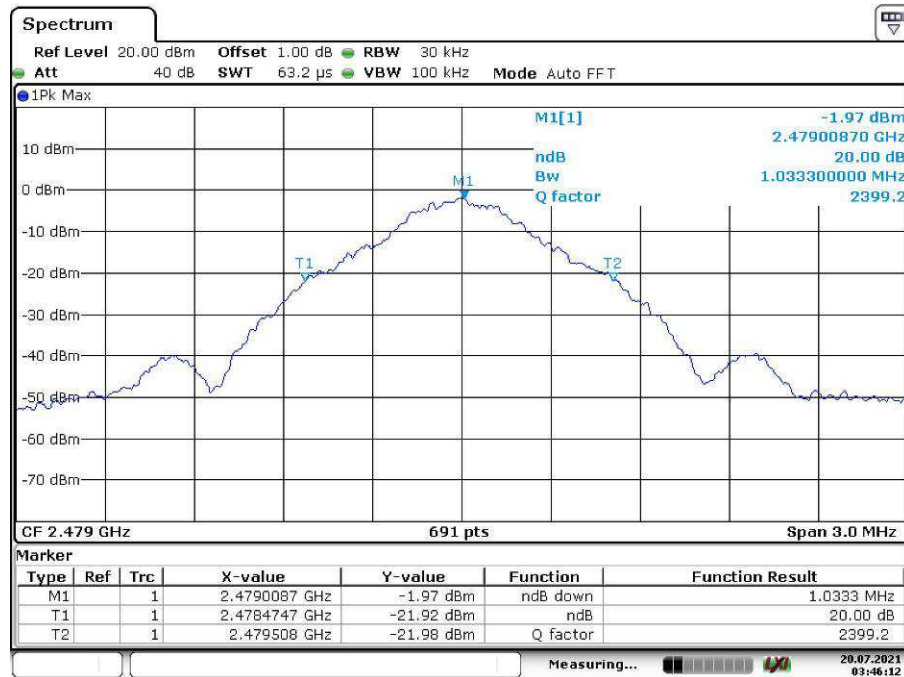
Date: 20.JUL.2021 03:37:45

2441MHz



Date: 20.JUL.2021 03:38:29

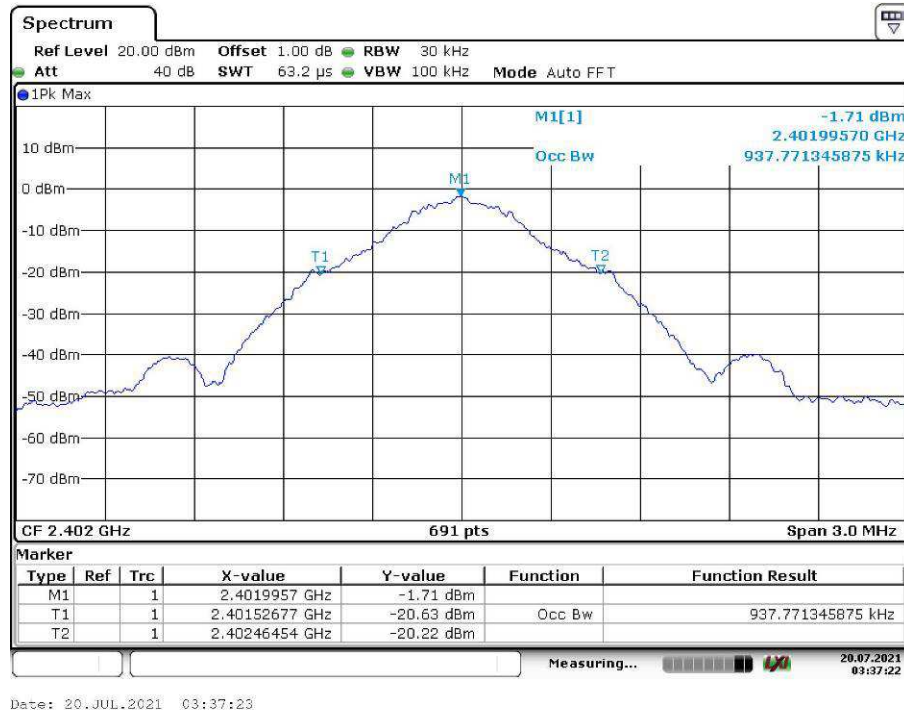
2479MHz



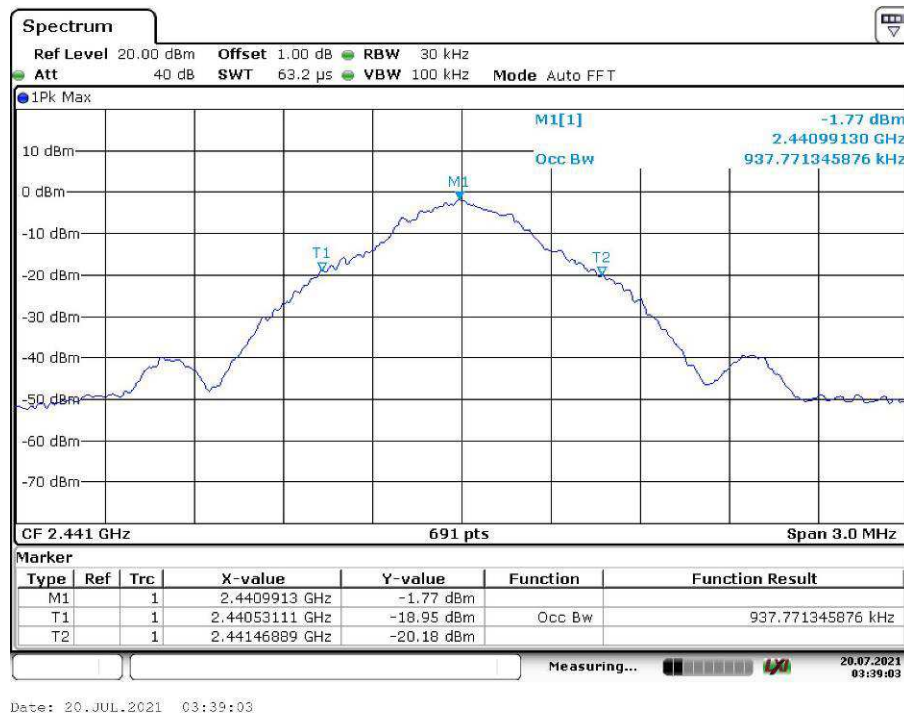
Date: 20.JUL.2021 03:46:13

Appendix B.3: Test Results of 99% Bandwidth

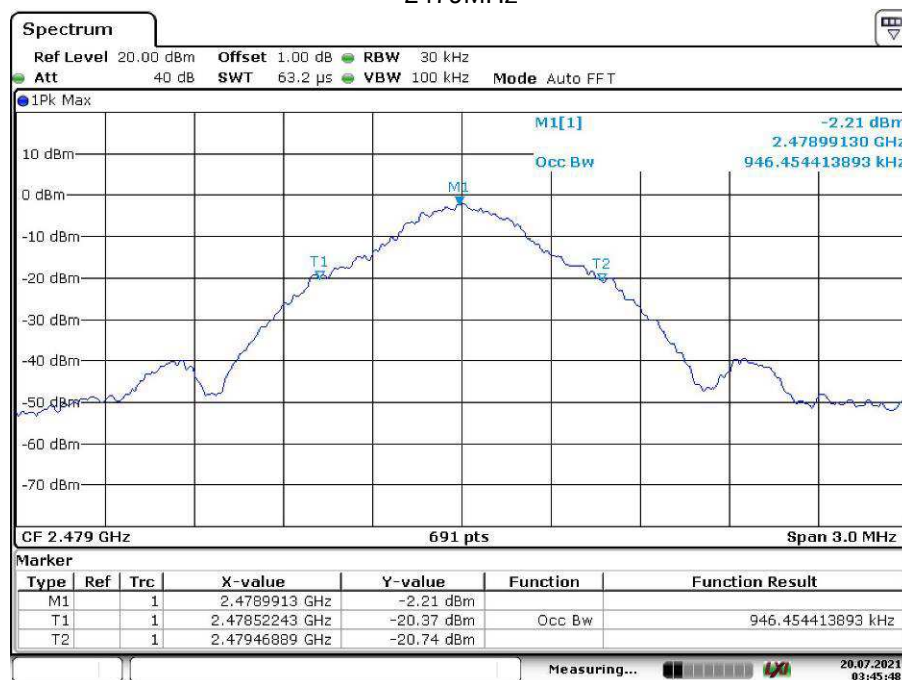
2402MHz



2441MHz



2479MHz

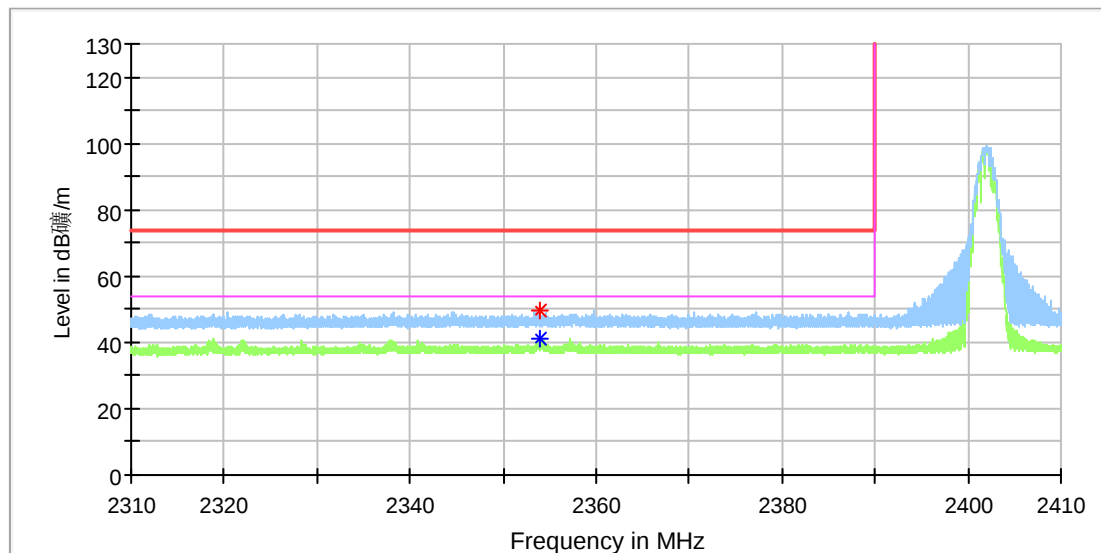


Date: 20.JUL.2021 03:45:48

Appendix B.4: Test Results of Band Edge

EUT Information

EUT Name:	USB C compact wireless mouse
Model:	MORFN60
Test Mode:	2.4GHz Low CH
Test Voltage::	Battery
Remark:	Temp 23 Humi:45%
Test Standard:	FCC 15.249
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

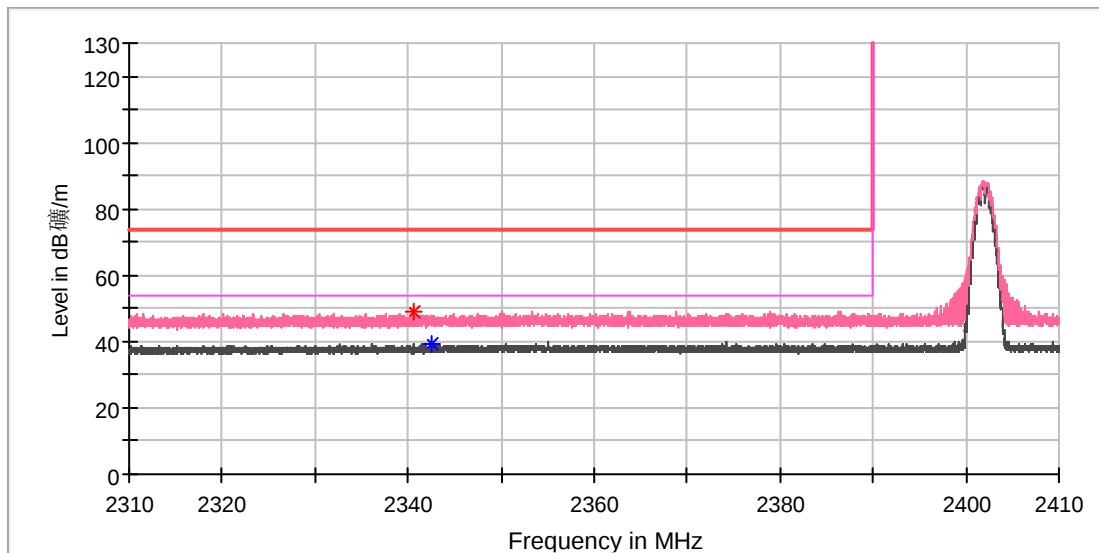


Critical Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2353.949250	---	41.04	54.00	12.96	100.0	H	5.0	6.9
2353.949250	49.29	---	74.00	24.71	100.0	H	5.0	6.9

EUT Information

EUT Name: USB C compact wireless mouse
Model: MORFN6O
Test Mode: 2.4GHz Low CH
Test Voltage:: Battery
Remark: Temp 23 Humi:45%
Test Standard: FCC 15.249
Tested By: Kei Zhang
Reviewed By: Terry Yin

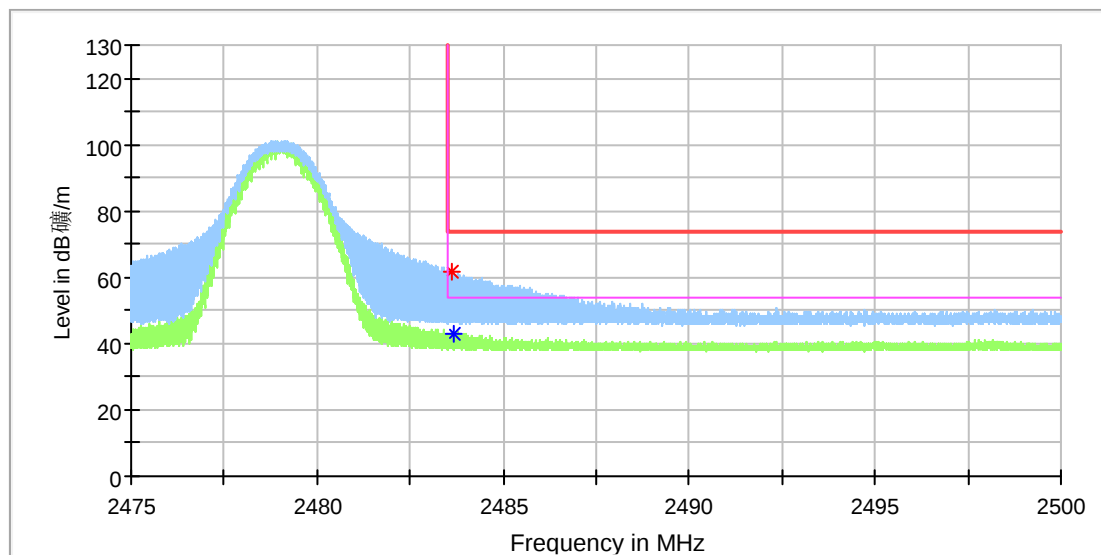


Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2340.651750	49.04	---	74.00	24.96	100.0	V	5.0	6.8
2342.528250	---	39.41	54.00	14.59	100.0	V	0.0	6.8

EUT Information

EUT Name:	USB C compact wireless mouse
Model:	MORFN6O
Test Mode:	2.4GHz High CH
Test Voltage::	Battery
Remark:	Temp 23 Humi:45%
Test Standard:	FCC 15.249
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

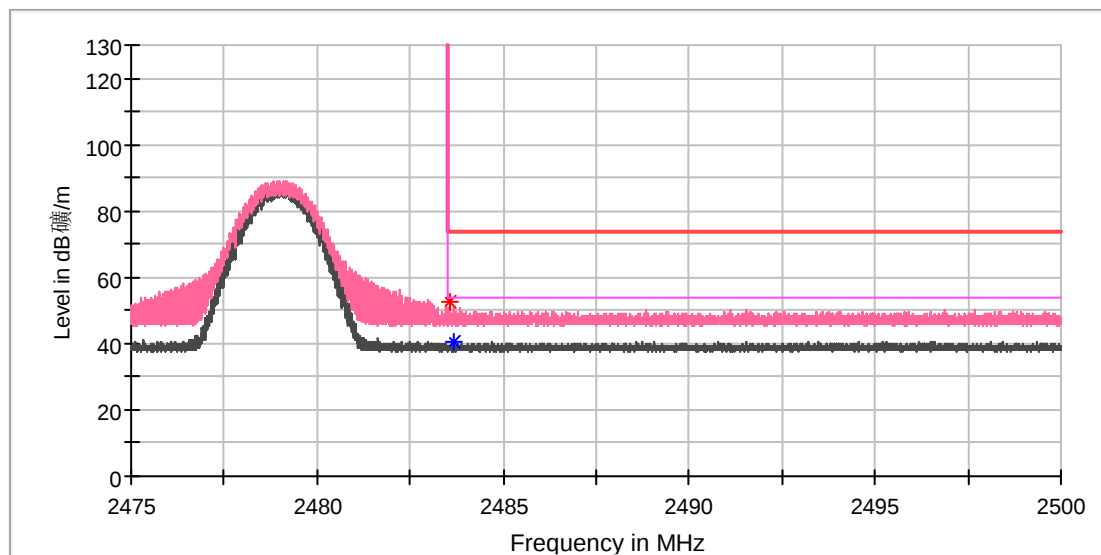


Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2483.606250	61.93	---	74.00	12.07	100.0	H	6.0	7.4
2483.677500	---	43.22	54.00	10.78	100.0	H	16.0	7.4

EUT Information

EUT Name:	USB C compact wireless mouse
Model:	MORFN6O
Test Mode:	2.4GHz High CH
Test Voltage::	Battery
Remark:	Temp 23 Humi:45%
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)
2483.567500	52.70	---	74.00	21.30	100.0	V	316.0	7.4
2483.662500	---	40.28	54.00	13.72	100.0	V	130.0	7.4