

Appendix A: Test Results

APPENDIX A: TEST RESULTS	1
APPENDIX A.1: TEST RESULTS OF FIELD STRENGTH OF FUNDAMENTAL & HARMONICS	2
30MHz - 1GHz	2
1GHz - 18GHz	4
APPENDIX A.2: TEST RESULTS OF 20dB BANDWIDTH	16
APPENDIX A.3: TEST RESULTS OF 99% BANDWIDTH.....	18
APPENDIX A.4: TEST RESULTS OF BAND EDGE	20

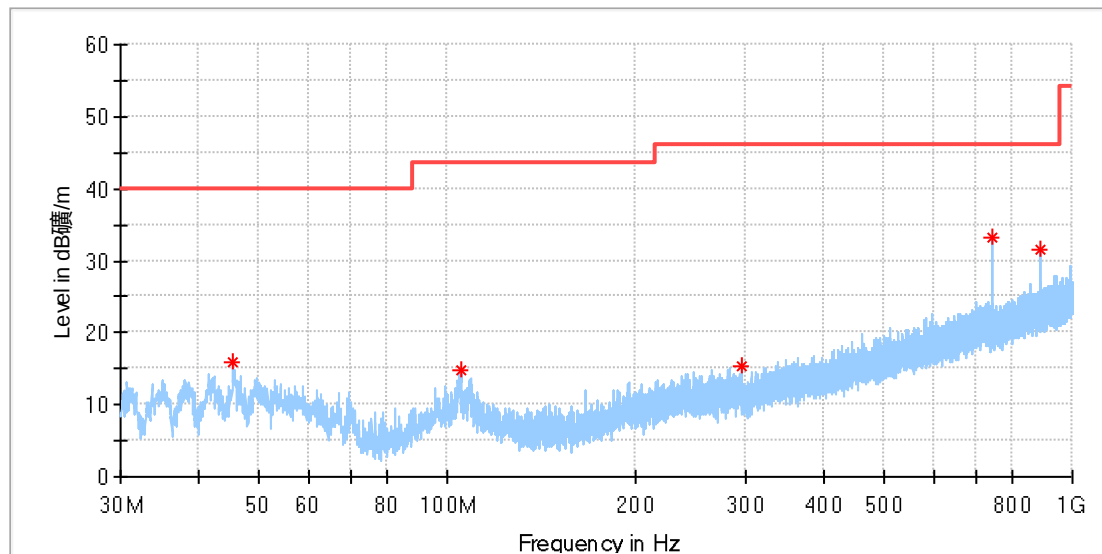
Appendix A.1: Test Results of Field Strength of Fundamental & Harmonics

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:	wegear KM3 Wireless Mouse
Model:	KM3
Test Mode:	2.4GHz M CH
Order No/Sample No:	168510807/A003866656-006
Test Voltage:	Battery
Remark:	Temp 23 Humi:53%
Test Standard:	FCC 15.249
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

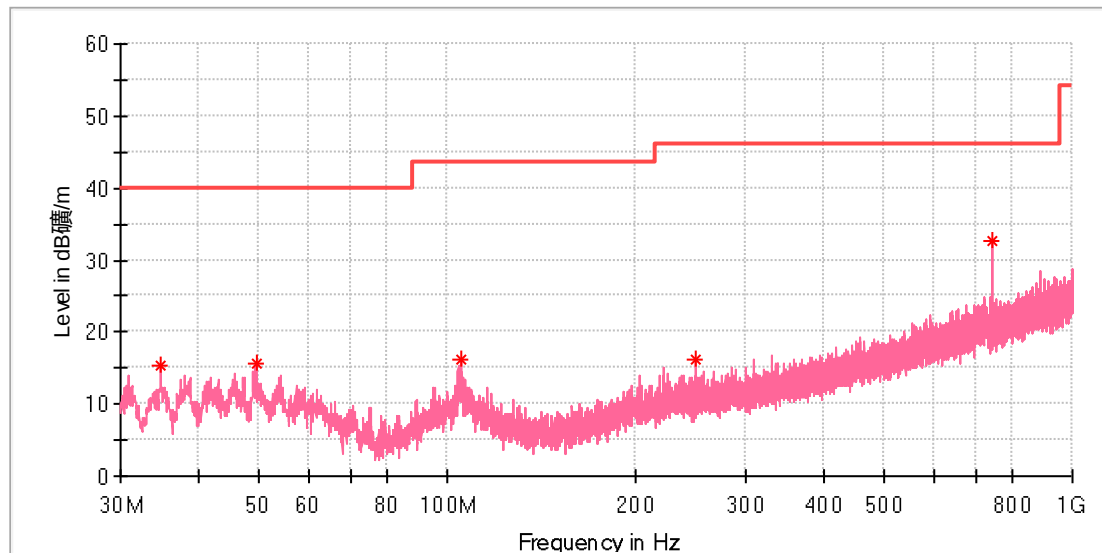
Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
45.370769	16.02	40.00	23.98	100.0	H	255.0	-18.9
105.286923	14.80	43.50	28.70	100.0	H	286.0	-18.9
295.108462	15.47	46.00	30.53	100.0	H	302.0	-16.4
742.502308	33.18	46.00	12.82	100.0	H	6.0	-7.2
890.986923	31.60	46.00	14.40	100.0	H	87.0	-4.9

Final Result

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

EUT Information

EUT Name: wegear KM3 Wireless Mouse
Model: KM3
Test Mode: 2.4GHz M CH
Order No/Sample No: 168510807/A003866656-006
Test Voltage: Battery
Remark: Temp 23 Humi:53%
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)
34.738077	15.48	40.00	24.52	100.0	V	307.0	-22.0
49.400000	15.73	40.00	24.27	100.0	V	5.0	-18.4
105.100385	16.23	43.50	27.27	100.0	V	139.0	-18.9
250.078077	16.27	46.00	29.73	100.0	V	237.0	-17.4
742.502308	32.77	46.00	13.23	100.0	V	315.0	-7.2

Final_Result

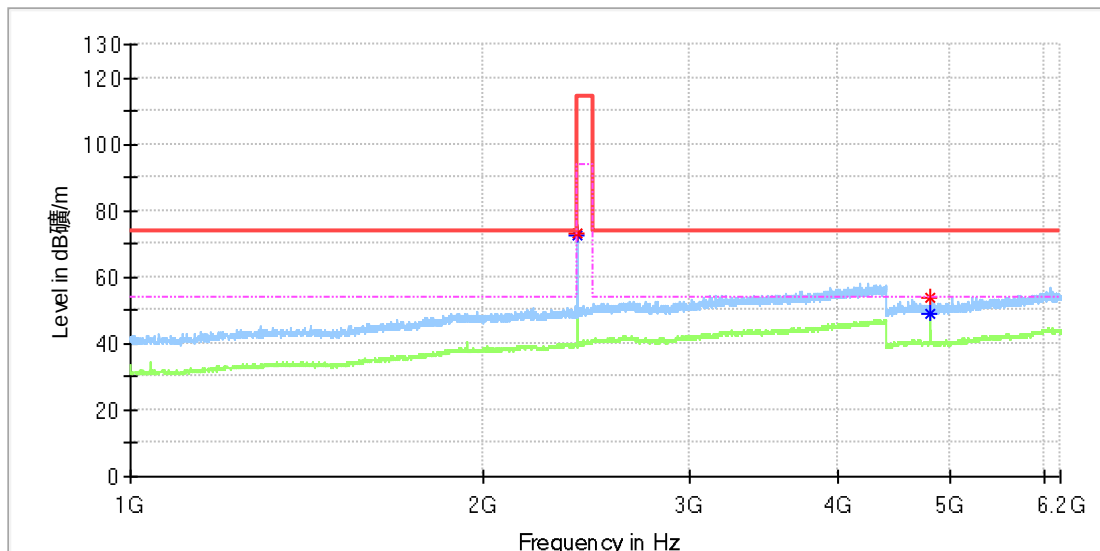
Frequency (MHz)	QuasiPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---		---	---

1GHz - 18GHz

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

EUT Information

EUT Name:	wegear KM3 Wireless Mouse
Model:	KM3
Test Mode:	2.4GHz L CH
Order No/Sample No:	168510807/A003866656-006
Test Voltage:	Battery
Remark:	Temp 23 Humi:53%
Test Standard:	FCC 15.249
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

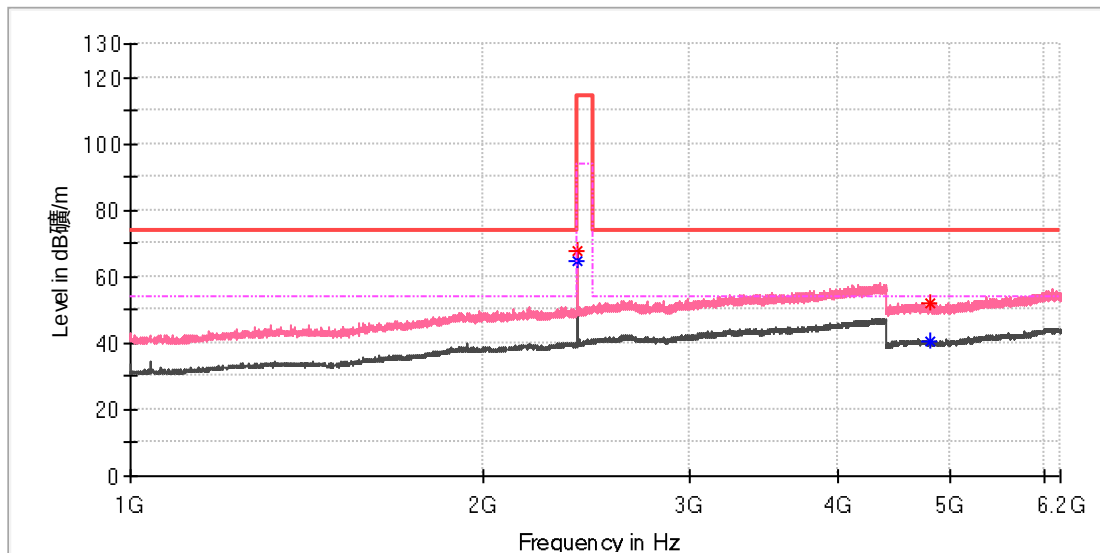
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2402.000000	---	72.30	94.00	21.70	150.0	H	212.0	8.5
2402.000000	73.15	---	114.00	40.85	150.0	H	212.0	8.5
4804.000000	53.99	---	74.00	20.01	150.0	H	151.0	13.3
4804.000000	---	48.82	54.00	5.18	150.0	H	151.0	13.3

Final_Result

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

EUT Information

EUT Name: wegear KM3 Wireless Mouse
Model: KM3
Test Mode: 2.4GHz L CH
Order No/Sample No: 168510807/A003866656-006
Test Voltage: Battery
Remark: Temp 23 Humi:53%
Test Standard: FCC 15.249
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical_Freqs

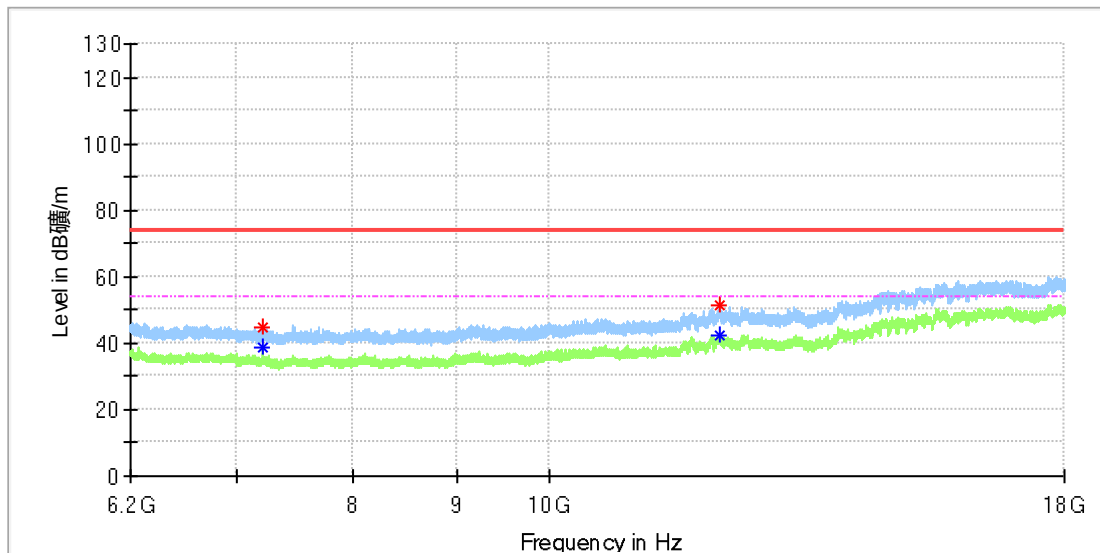
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2401.500000	67.82	---	114.00	46.18	150.0	V	0.0	8.5
2401.500000	---	64.66	94.00	29.34	150.0	V	0.0	8.5
4803.000000	52.06	---	74.00	21.94	150.0	V	1.0	13.3
4810.500000	---	40.47	54.00	13.53	150.0	V	16.0	13.3

Final_Result

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

EUT Information

EUT Name: wegear KM3 Wireless Mouse
Model: KM3
Test Mode: 2.4GHz L CH
Order No/Sample No: 168510807/A003866656-006
Test Voltage: Battery
Remark: Temp 23 Humi:53%
Test Standard: FCC 15.249
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical_Freqs

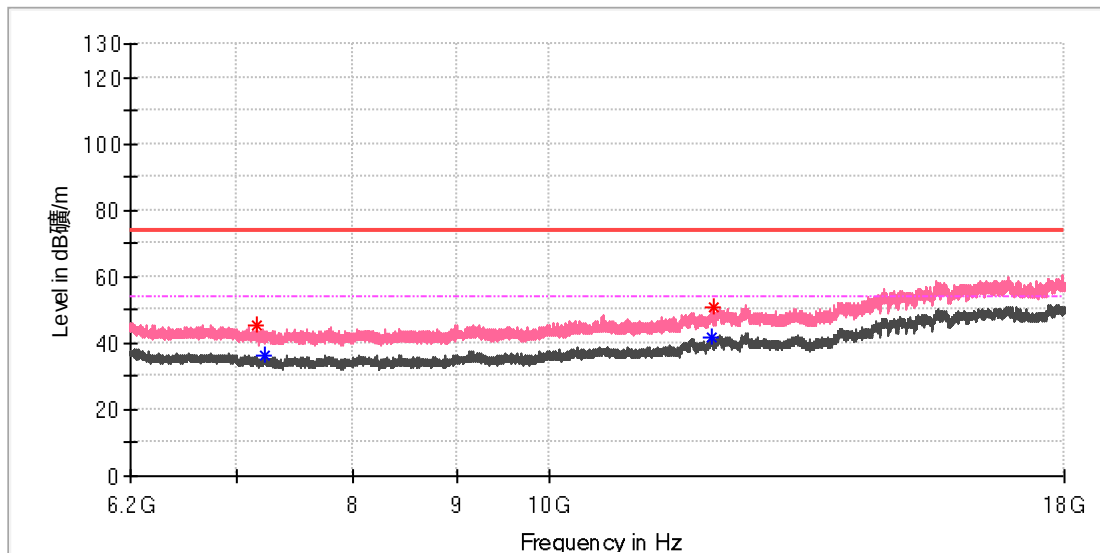
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7204.966667	---	38.65	54.00	15.35	150.0	H	20.0	8.8
7205.458333	44.48	---	74.00	29.52	150.0	H	20.0	8.8
12137.858333	---	42.33	54.00	11.67	150.0	H	92.0	16.4
12156.050000	51.40	---	74.00	22.60	150.0	H	264.0	16.4

Final_Result

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

EUT Information

EUT Name: wegear KM3 Wireless Mouse
Model: KM3
Test Mode: 2.4GHz L CH
Order No/Sample No: 168510807/A003866656-006
Test Voltage: Battery
Remark: Temp 23 Humi:53%
Test Standard: FCC 15.249
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical_Freqs

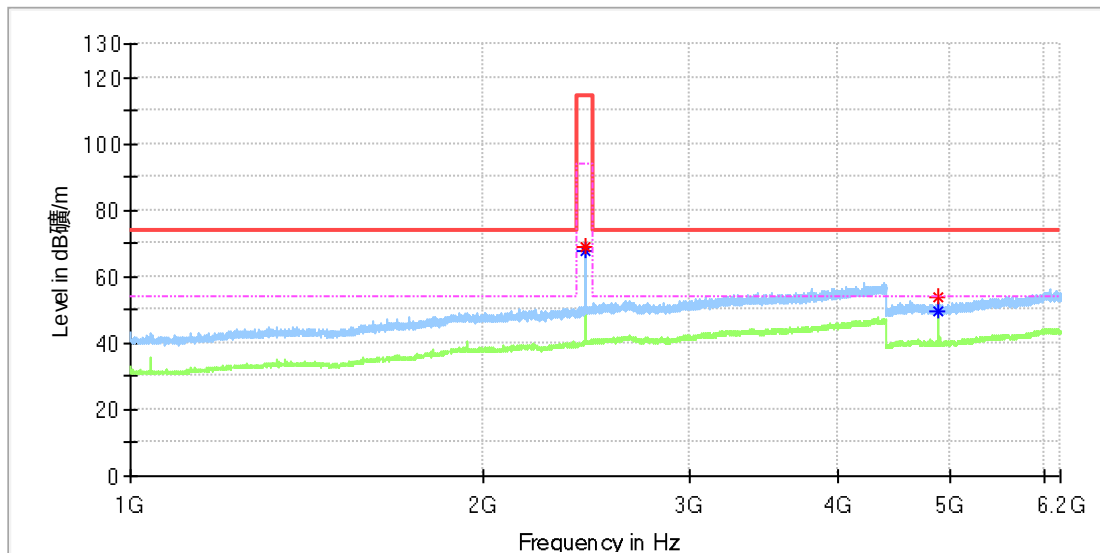
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7159.241667	45.12	---	74.00	28.88	150.0	V	296.0	8.7
7226.600000	---	36.31	54.00	17.69	150.0	V	229.0	8.7
12043.458333	---	42.01	54.00	11.99	150.0	V	285.0	16.3
12054.275000	50.61	---	74.00	23.39	150.0	V	0.0	15.9

Final_Result

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

EUT Information

EUT Name: wegear KM3 Wireless Mouse
Model: KM3
Test Mode: 2.4GHz M CH
Order No/Sample No: 168510807/A003866656-006
Test Voltage: Battery
Remark: Temp 23 Humi:53%
Test Standard: FCC 15.249
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical_Freqs

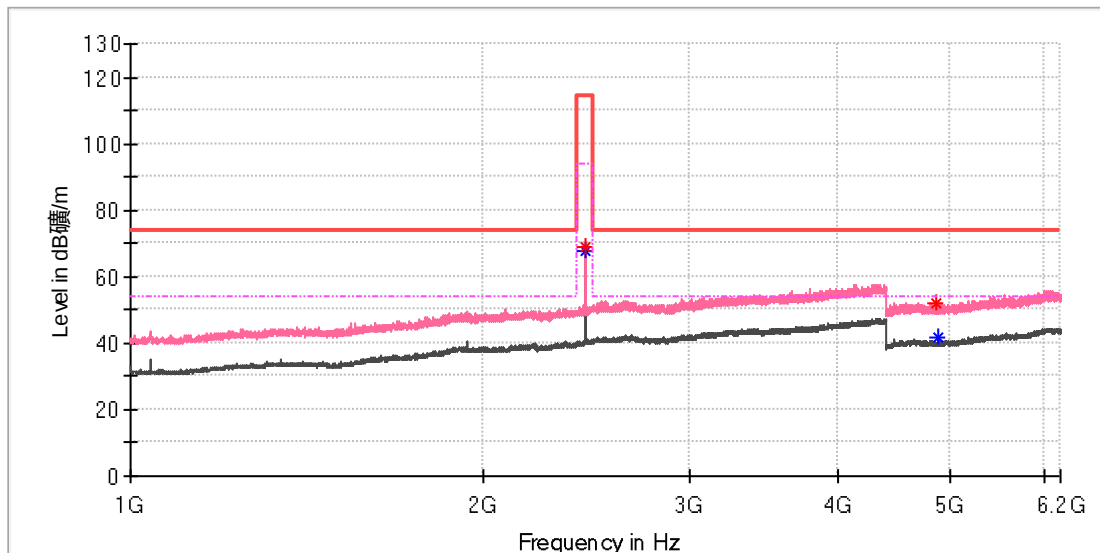
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2440.000000	68.96	---	114.00	45.04	150.0	H	159.0	8.9
2440.000000	---	67.63	94.00	26.37	150.0	H	159.0	8.9
4880.000000	54.01	---	74.00	19.99	150.0	H	151.0	13.3
4880.000000	---	49.84	54.00	4.16	150.0	H	151.0	13.3

Final_Result

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

EUT Information

EUT Name: wegear KM3 Wireless Mouse
Model: KM3
Test Mode: 2.4GHz M CH
Order No/Sample No: 168510807/A003866656-006
Test Voltage: Battery
Remark: Temp 23 Humi:53%
Test Standard: FCC 15.249
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical_Freqs

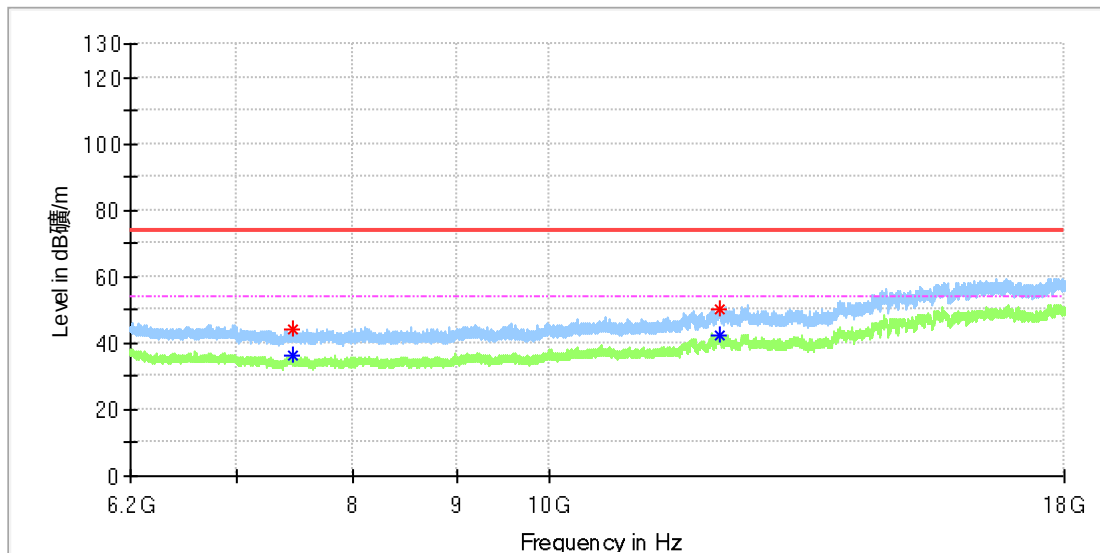
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2440.000000	68.90	---	114.00	45.10	150.0	V	308.0	8.9
2440.000000	---	67.48	94.00	26.52	150.0	V	308.0	8.9
4865.500000	51.95	---	74.00	22.05	150.0	V	42.0	13.3
4879.500000	---	41.82	54.00	12.18	150.0	V	141.0	13.3

Final_Result

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

EUT Information

EUT Name: wegear KM3 Wireless Mouse
Model: KM3
Test Mode: 2.4GHz M CH
Order No/Sample No: 168510807/A003866656-006
Test Voltage: Battery
Remark: Temp 23 Humi:53%
Test Standard: FCC 15.249
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical_Freqs

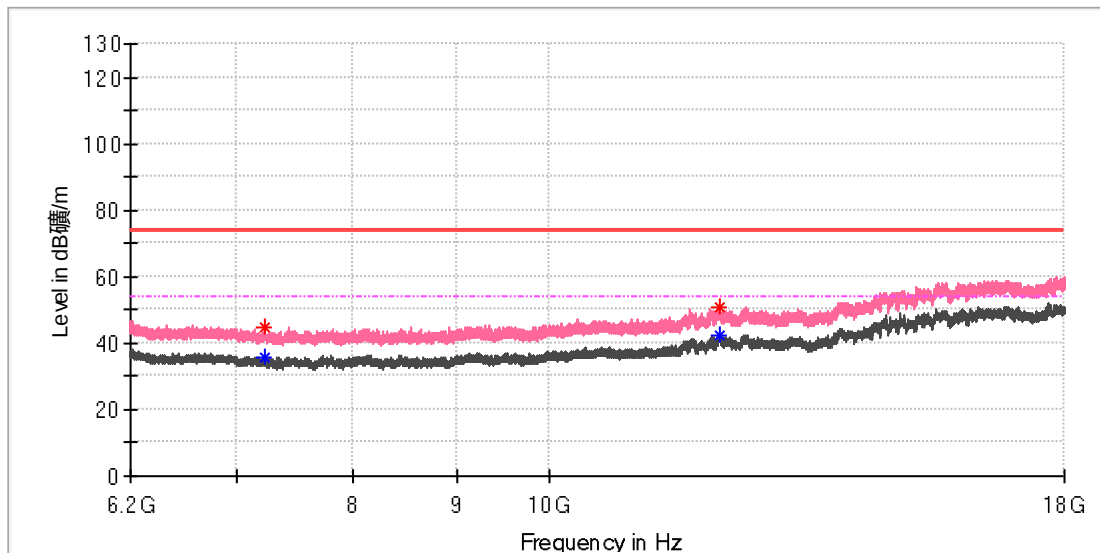
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7456.208333	---	36.09	54.00	17.91	150.0	H	358.0	8.5
7462.108333	44.25	---	74.00	29.75	150.0	H	248.0	8.6
12138.841667	50.32	---	74.00	23.68	150.0	H	49.0	16.4
12145.725000	---	42.58	54.00	11.42	150.0	H	31.0	16.6

Final_Result

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

EUT Information

EUT Name: wegear KM3 Wireless Mouse
Model: KM3
Test Mode: 2.4GHz M CH
Order No/Sample No: 168510807/A003866656-006
Test Voltage: Battery
Remark: Temp 23 Humi:53%
Test Standard: FCC 15.249
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical_Freqs

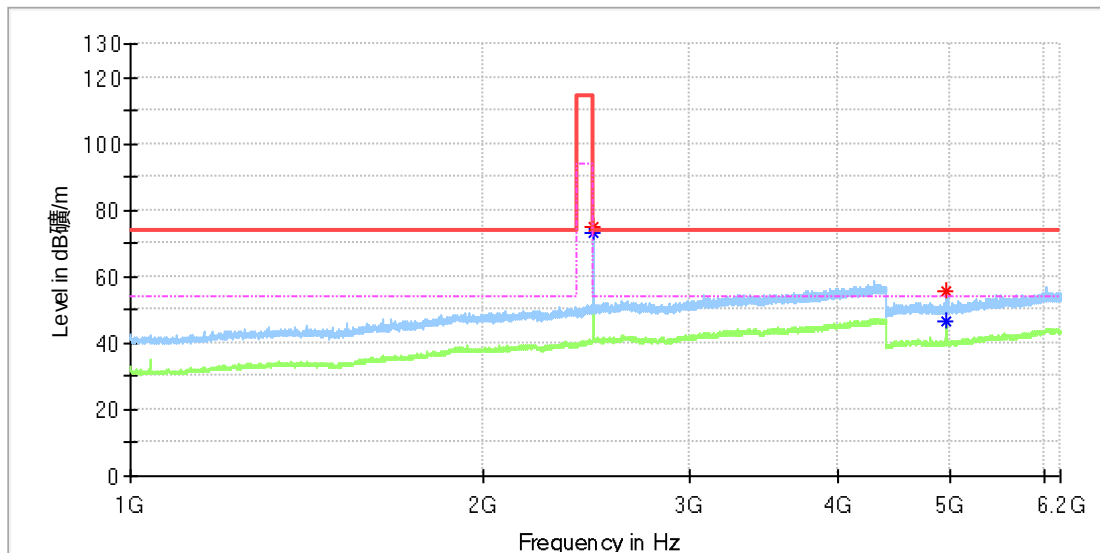
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7221.683333	44.46	---	74.00	29.54	150.0	V	335.0	8.7
7225.125000	---	35.52	54.00	18.48	150.0	V	98.0	8.7
12146.216667	---	42.53	54.00	11.47	150.0	V	65.0	16.6
12147.691667	50.99	---	74.00	23.01	150.0	V	18.0	16.7

Final_Result

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

EUT Information

EUT Name: wegear KM3 Wireless Mouse
Model: KM3
Test Mode: 2.4GHz H CH
Order No/Sample No: 168510807/A003866656-006
Test Voltage: Battery
Remark: Temp 23 Humi:53%
Test Standard: FCC 15.249
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical_Freqs

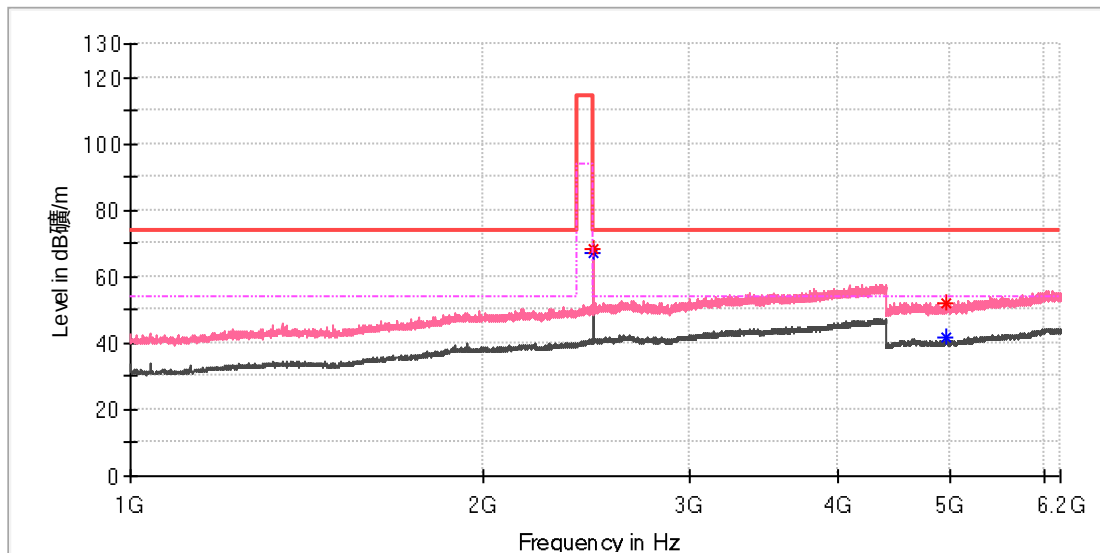
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2479.500000	75.11	---	114.00	38.89	150.0	H	189.0	9.0
2480.000000	---	73.23	94.00	20.77	150.0	H	207.0	9.0
4959.000000	55.49	---	74.00	18.51	150.0	H	159.0	13.3
4960.500000	---	46.72	54.00	7.28	150.0	H	85.0	13.3

Final_Result

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

EUT Information

EUT Name: wegear KM3 Wireless Mouse
Model: KM3
Test Mode: 2.4GHz H CH
Order No/Sample No: 168510807/A003866656-006
Test Voltage: Battery
Remark: Temp 23 Humi:53%
Test Standard: FCC 15.249
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical_Freqs

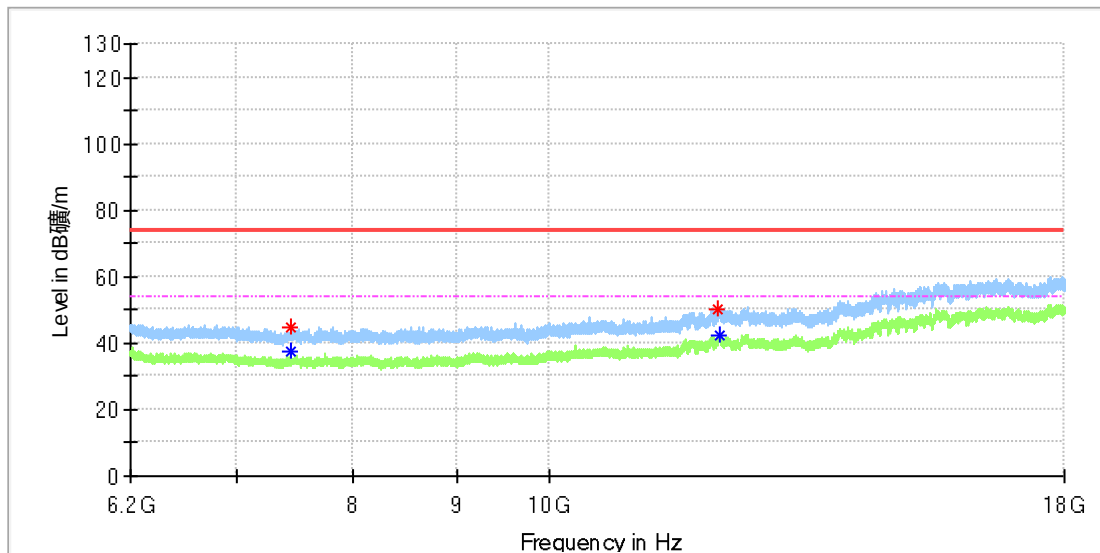
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2479.500000	68.35	---	114.00	45.65	150.0	V	0.0	9.0
2480.000000	---	66.95	94.00	27.05	150.0	V	356.0	9.0
4957.500000	52.00	---	74.00	22.00	150.0	V	73.0	13.3
4960.000000	---	41.87	54.00	12.13	150.0	V	99.0	13.3

Final_Result

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

EUT Information

EUT Name: wegear KM3 Wireless Mouse
Model: KM3
Test Mode: 2.4GHz H CH
Order No/Sample No: 168510807/A003866656-006
Test Voltage: Battery
Remark: Temp 23 Humi:53%
Test Standard: FCC 15.249
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical_Freqs

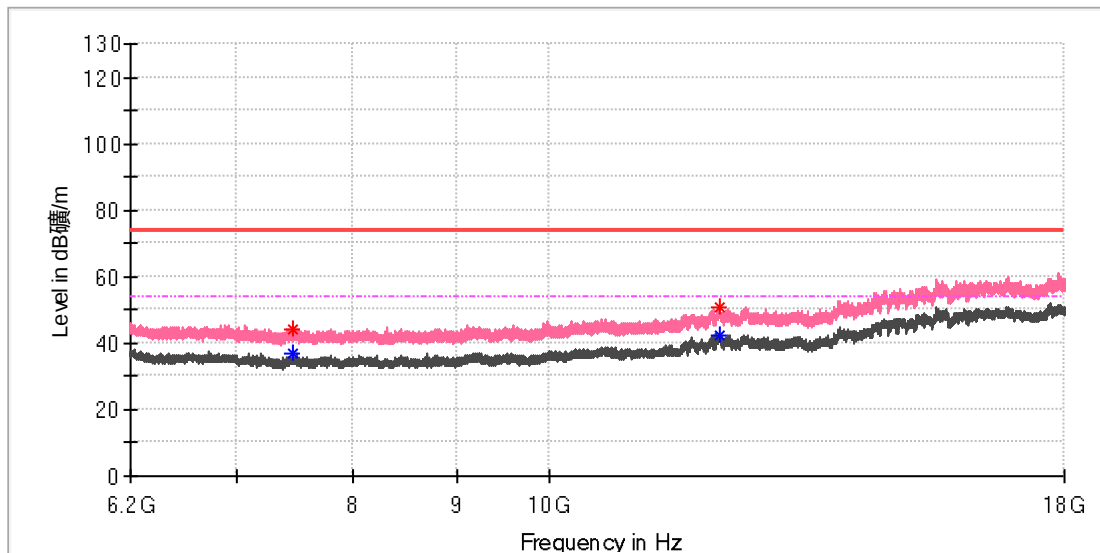
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7440.475000	44.49	---	74.00	29.51	150.0	H	229.0	8.4
7440.475000	---	37.49	54.00	16.51	150.0	H	229.0	8.4
12115.733333	50.38	---	74.00	23.62	150.0	H	95.0	15.8
12150.150000	---	42.58	54.00	11.42	150.0	H	291.0	16.7

Final_Result

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

EUT Information

EUT Name: wegear KM3 Wireless Mouse
Model: KM3
Test Mode: 2.4GHz H CH
Order No/Sample No: 168510807/A003866656-006
Test Voltage: Battery
Remark: Temp 23 Humi:53%
Test Standard: FCC 15.249
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical_Freqs

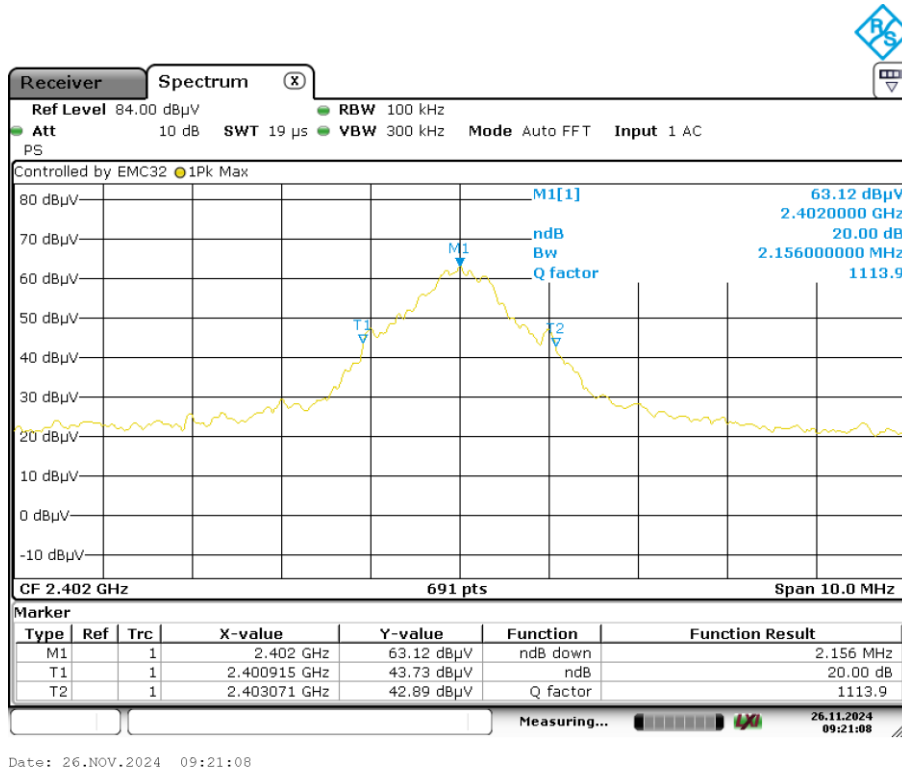
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7461.125000	44.38	---	74.00	29.62	150.0	V	87.0	8.5
7469.483333	---	36.65	54.00	17.35	150.0	V	158.0	8.6
12139.825000	---	42.59	54.00	11.41	150.0	V	58.0	16.5
12147.200000	50.98	---	74.00	23.02	150.0	V	69.0	16.7

Final_Result

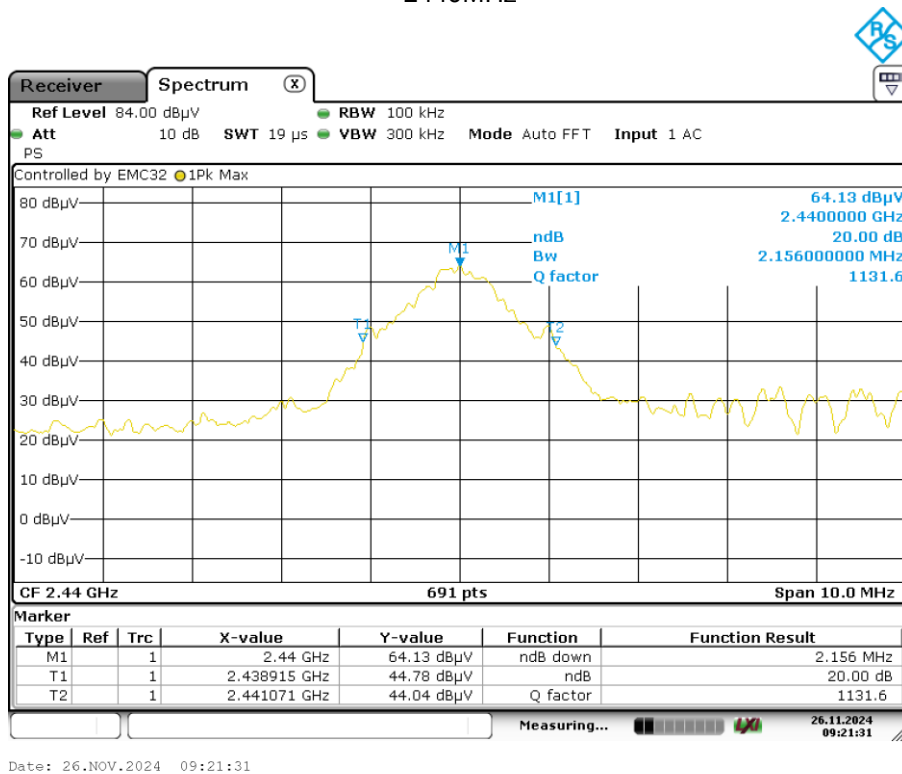
Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---		---	---

Appendix A.2: Test Results of 20dB Bandwidth

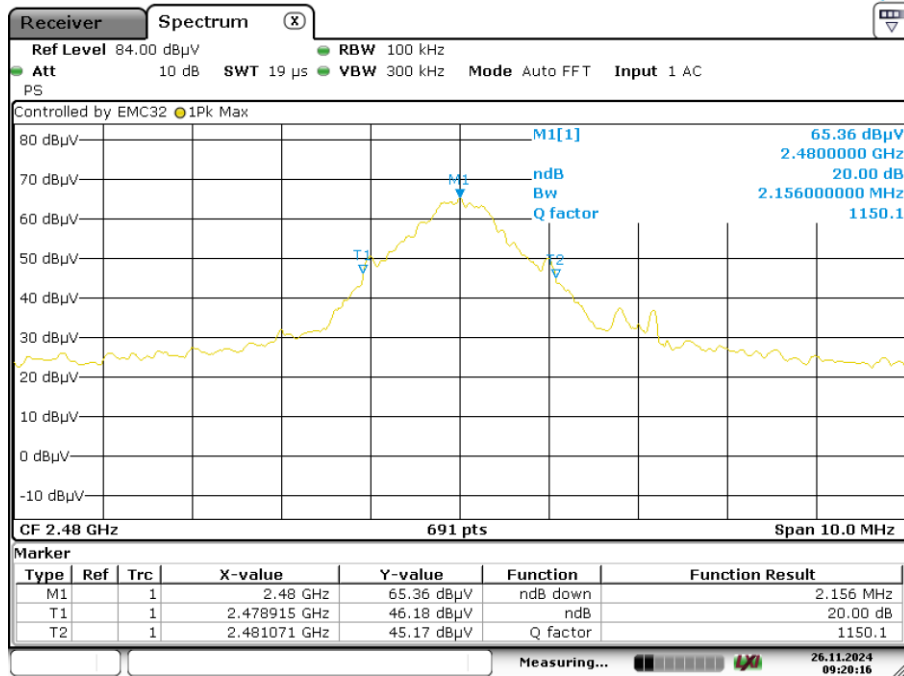
2402MHz



2440MHz



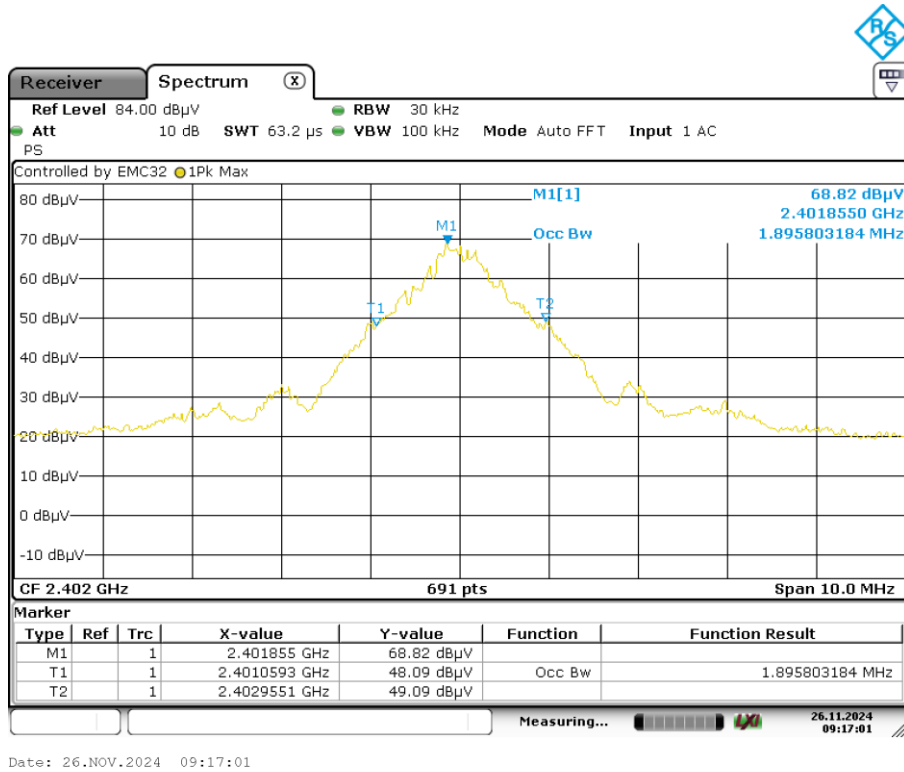
2480MHz



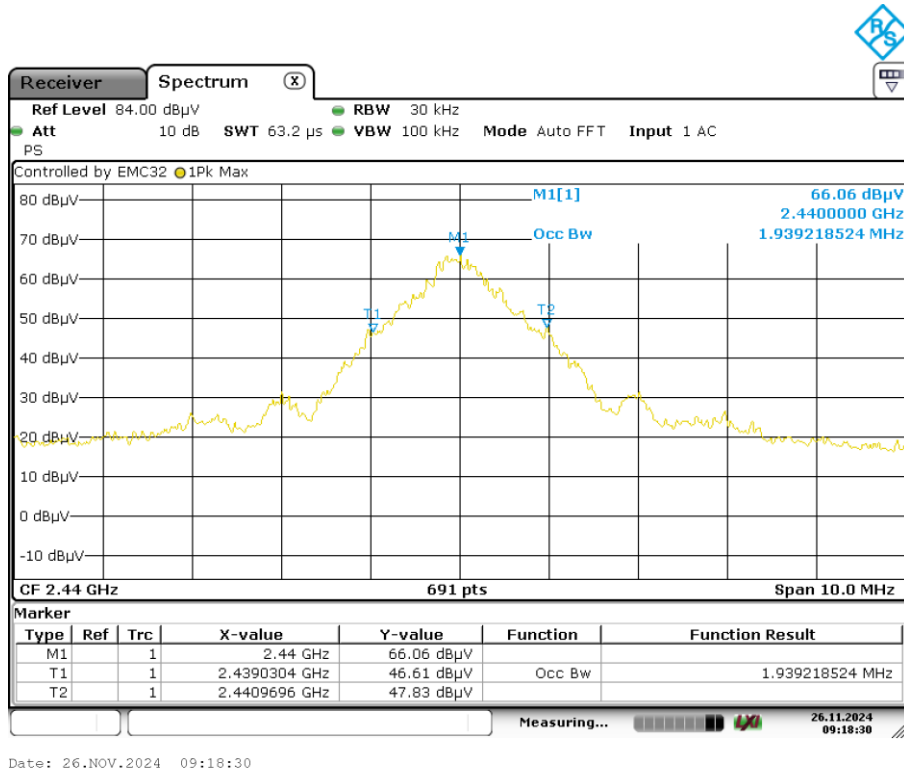
Date: 26.NOV.2024 09:20:17

Appendix A.3: Test Results of 99% Bandwidth

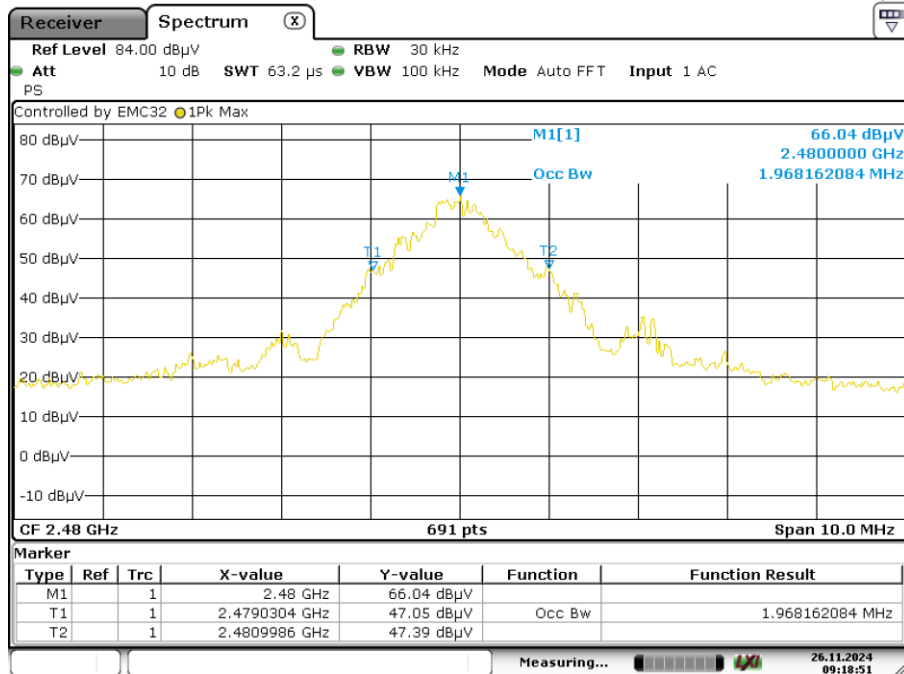
2402MHz



2440MHz



2480MHz

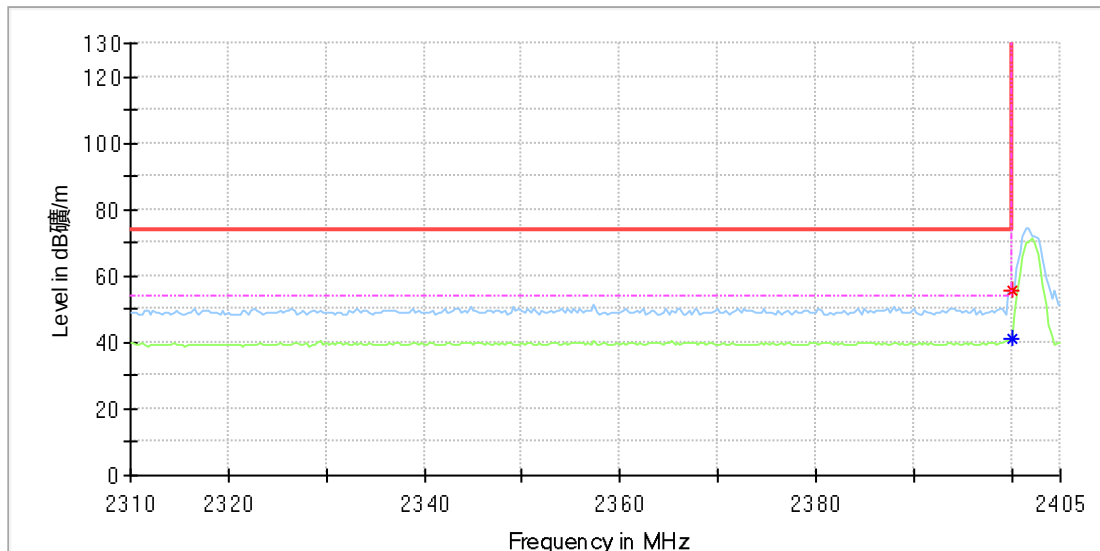


Date: 26.NOV.2024 09:18:51

Appendix A.4: Test Results of Band Edge

EUT Information

EUT Name: wegear KM3 Wireless Mouse
Model: KM3
Test Mode: 2.4GHz L CH
Order No/Sample No: 168510807/A003866656-006
Test Voltage: Battery
Remark: Temp 23 Humi:53%
Test Standard: FCC 15.249
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical Freqs

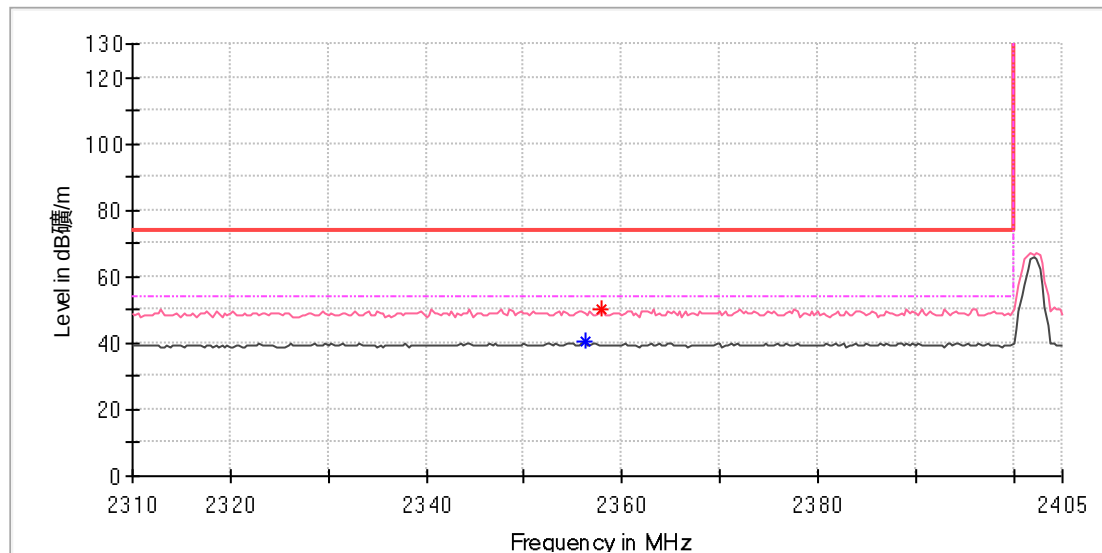
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2400.000000	---	40.91	54.00	13.09	150.0	H	188.0	8.5
2400.000000	55.88	---	74.00	18.12	150.0	H	188.0	8.5

Final Result

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

EUT Information

EUT Name: wegear KM3 Wireless Mouse
Model: KM3
Test Mode: 2.4GHz L CH
Order No/Sample No: 168510807/A003866656-006
Test Voltage: Battery
Remark: Temp 23 Humi:53%
Test Standard: FCC 15.249
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical_Freqs

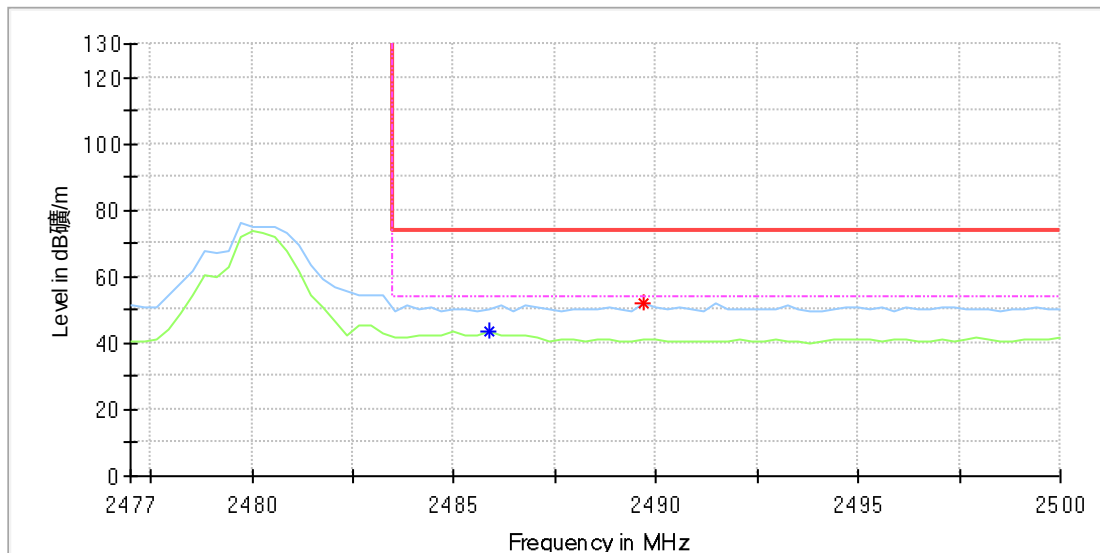
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2356.176471	---	40.25	54.00	13.75	150.0	V	13.0	8.5
2357.941177	50.49	---	74.00	23.51	150.0	V	121.0	8.5

Final_Result

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

EUT Information

EUT Name: wegear KM3 Wireless Mouse
Model: KM3
Test Mode: 2.4GHz H CH
Order No/Sample No: 168510807/A003866656-006
Test Voltage: Battery
Remark: Temp 23 Humi:53%
Test Standard: FCC 15.249
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical_Freqs

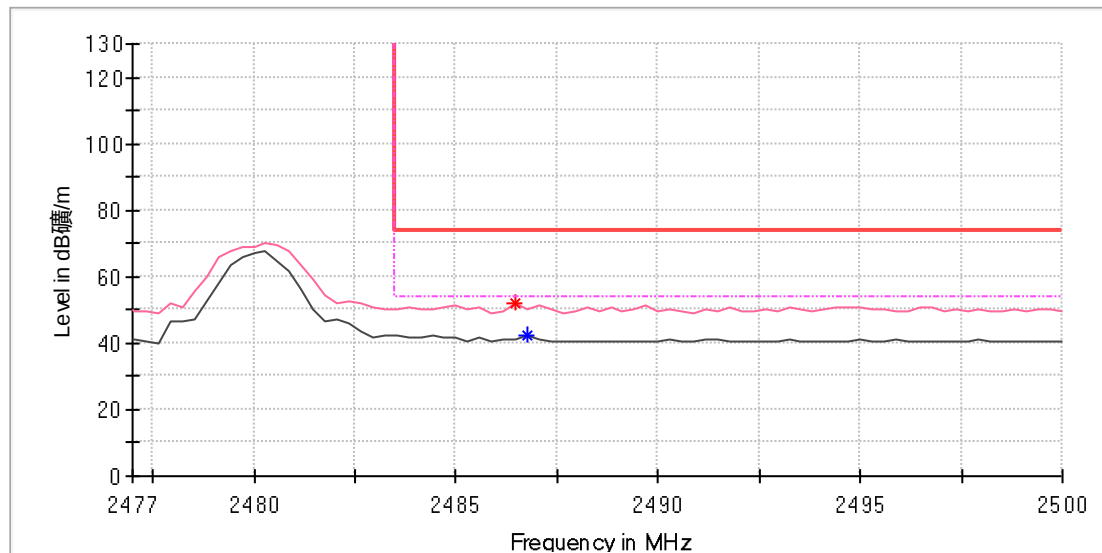
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2485.882353	---	43.68	54.00	10.32	150.0	H	122.0	9.0
2489.705882	51.80	---	74.00	22.20	150.0	H	95.0	9.0

Final_Result

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

EUT Information

EUT Name: wegear KM3 Wireless Mouse
Model: KM3
Test Mode: 2.4GHz H CH
Order No/Sample No: 168510807/A003866656-006
Test Voltage: Battery
Remark: Temp 23 Humi:53%
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)
2486.470588	51.81	---	74.00	22.19	150.0	V	200.0	9.0
2486.764706	---	42.17	54.00	11.83	150.0	V	160.0	9.0

Final_Result

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