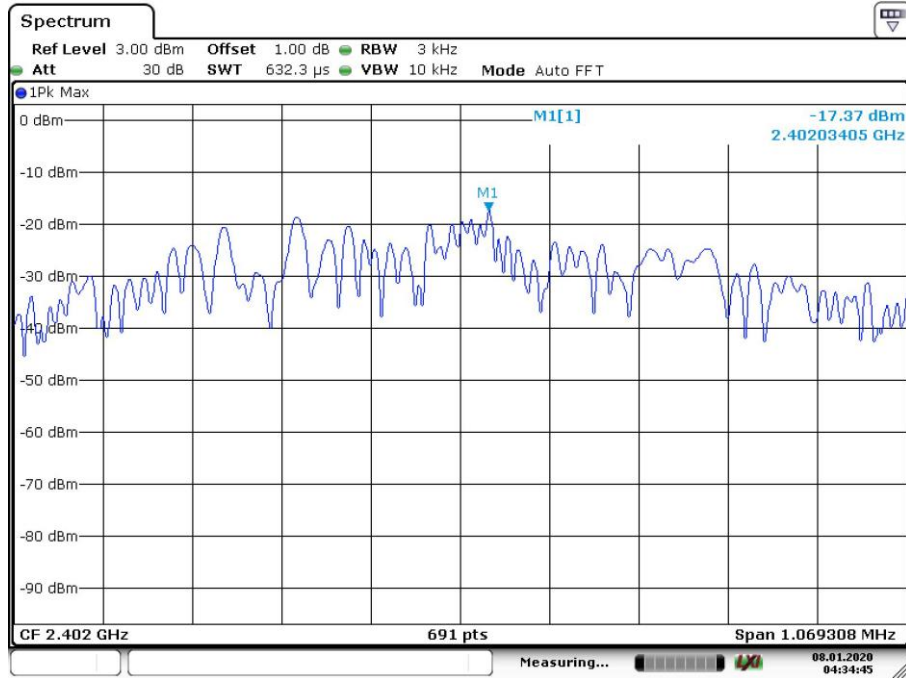


Appendix A: Test Results of BLE

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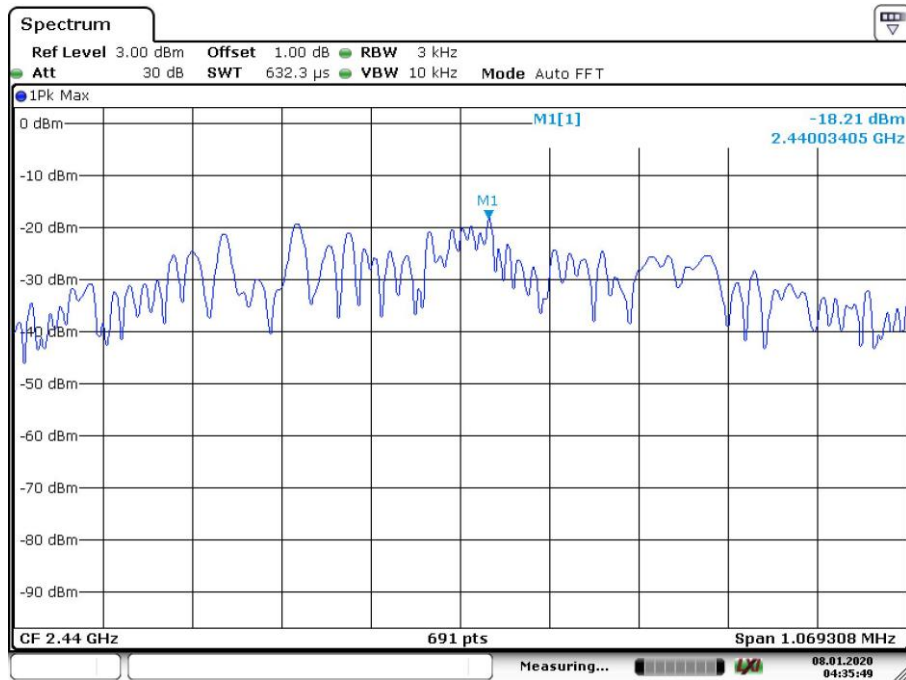
Appendix A1: Test Results of Conducted Power Spectral Density

Low Channel



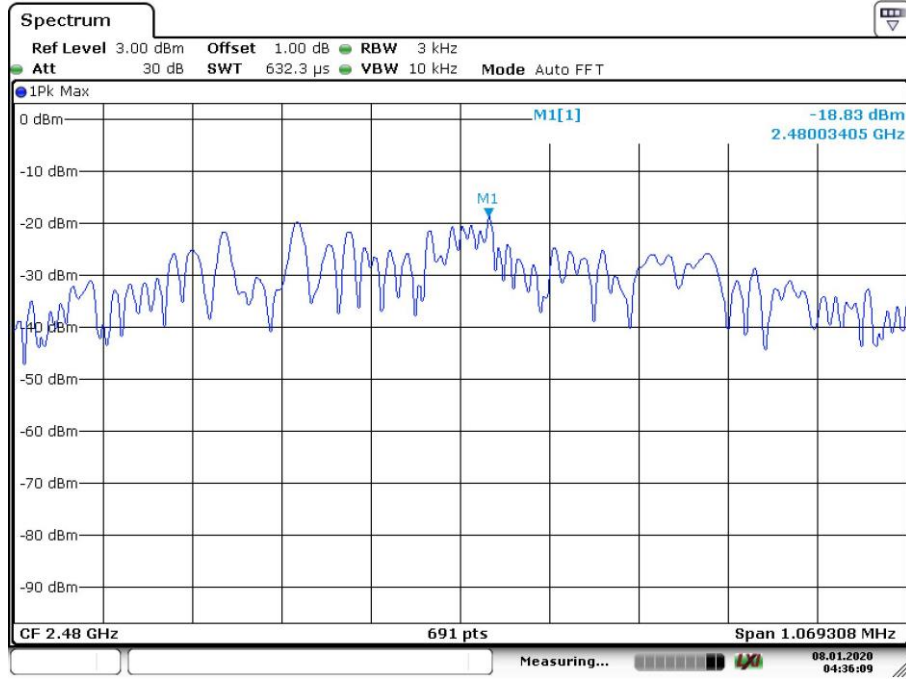
Date: 8.JAN.2020 04:34:45

Middle Channel



Date: 8.JAN.2020 04:35:49

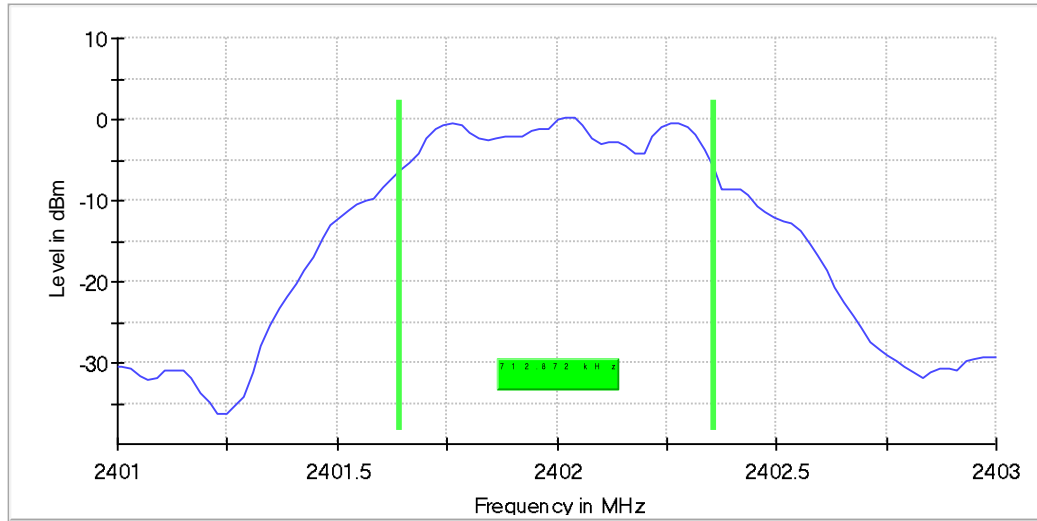
High Channel



Date: 8.JAN.2020 04:36:09

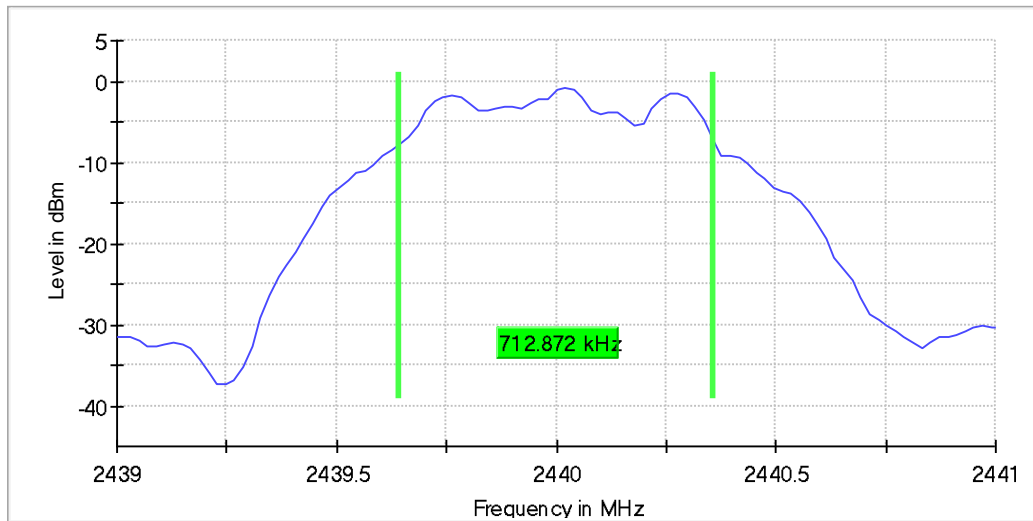
Appendix A2: Test Results of 6dB Bandwidth

Low Channel
(RBW=100KHz, VBW=300KHz, 6dB Bandwidth: 713KHz)

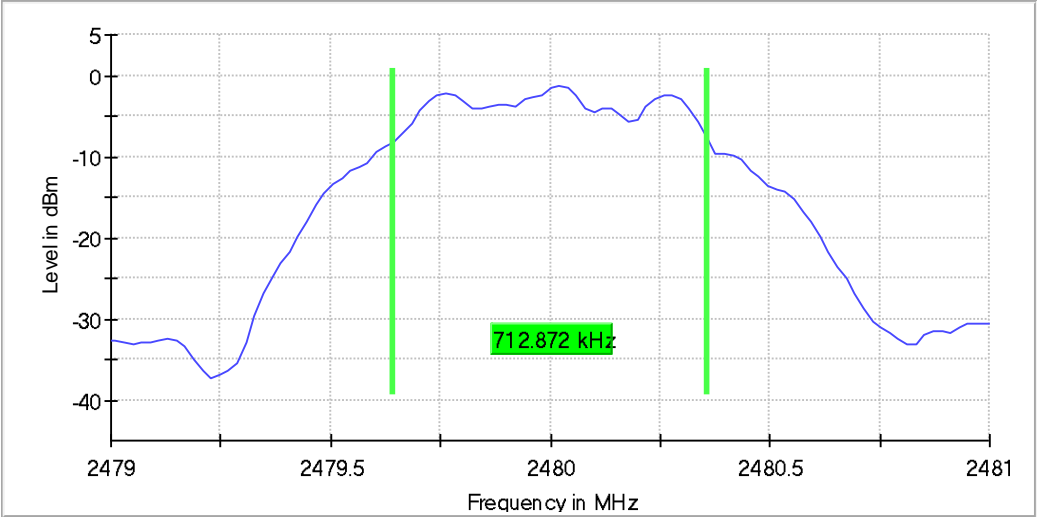


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Middle Channel
(RBW=100KHz, VBW=300KHz, 6dB Bandwidth: 713KHz)

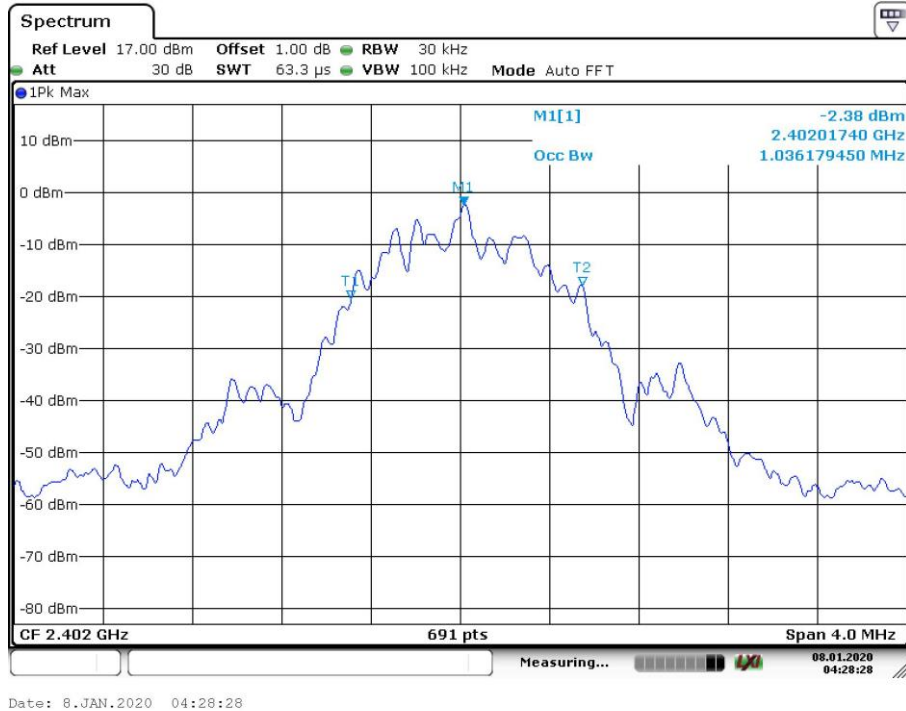


High Channel
(RBW=100KHz, VBW=300KHz, 6dB Bandwidth: 713KHz)



Appendix A3: Test Results of 99% Bandwidth

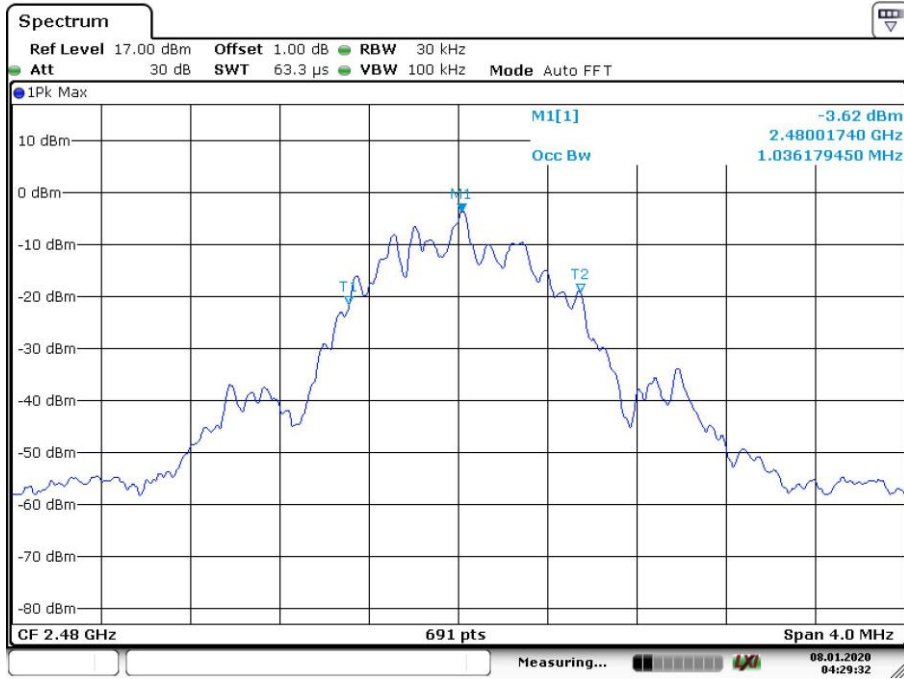
Low Channel



Middle Channel



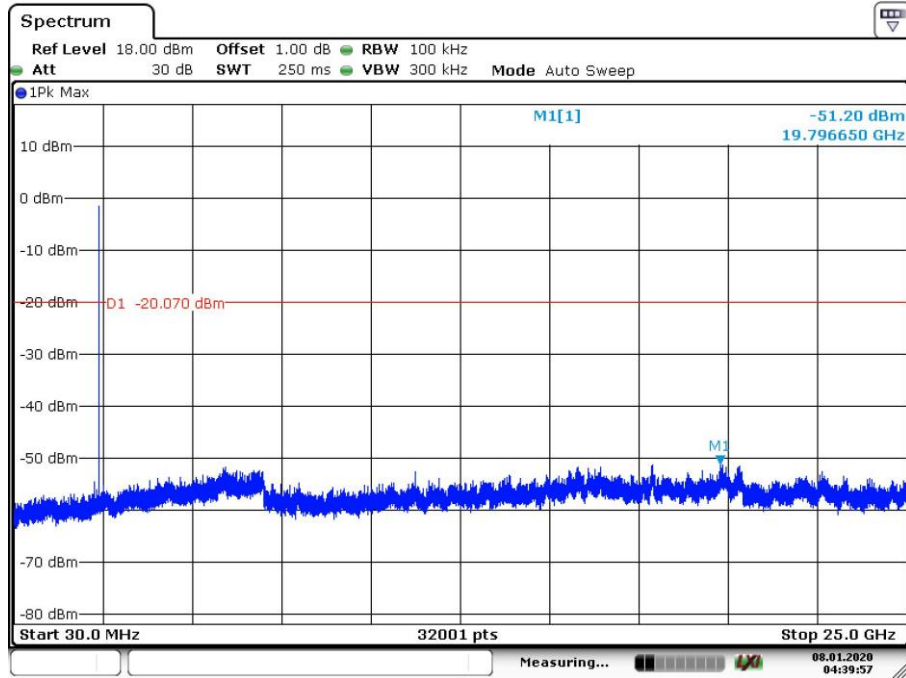
High Channel



Date: 8.JAN.2020 04:29:32

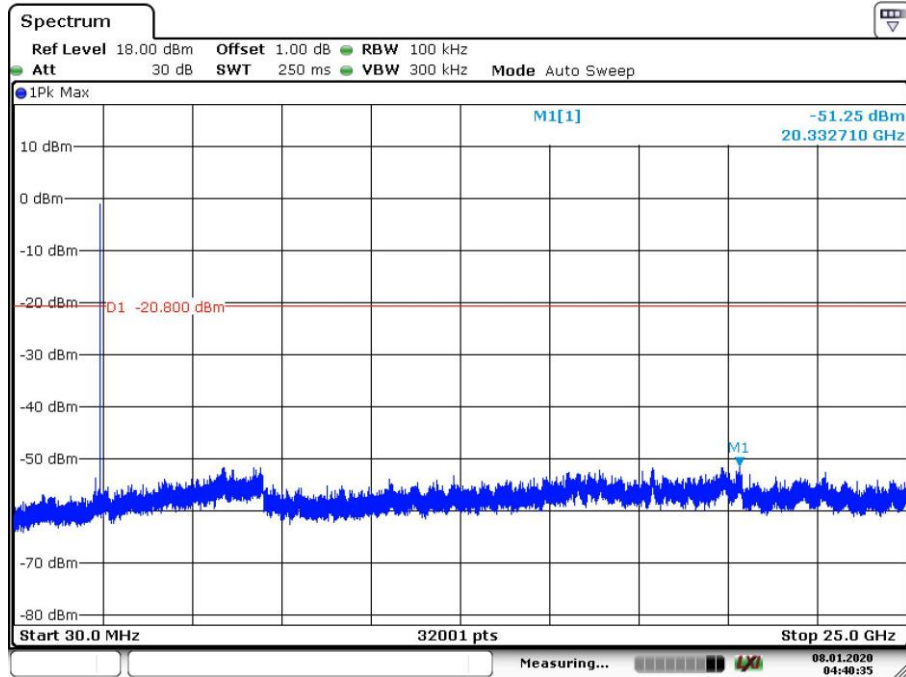
Appendix A4: Test Results of Conducted Spurious Emissions

Low Channel



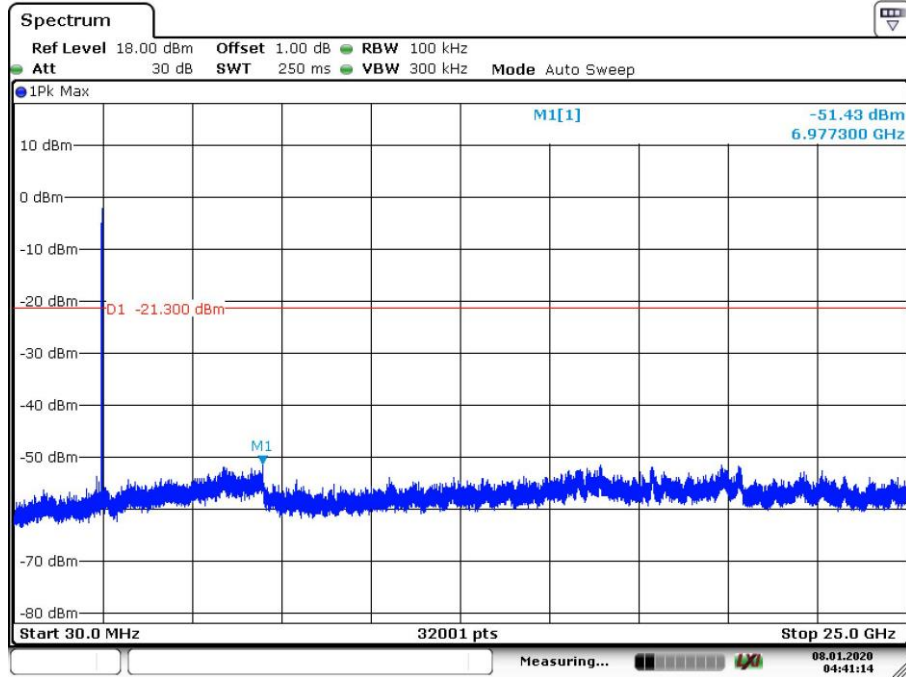
Date: 8.JAN.2020 04:39:57

Middle Channel



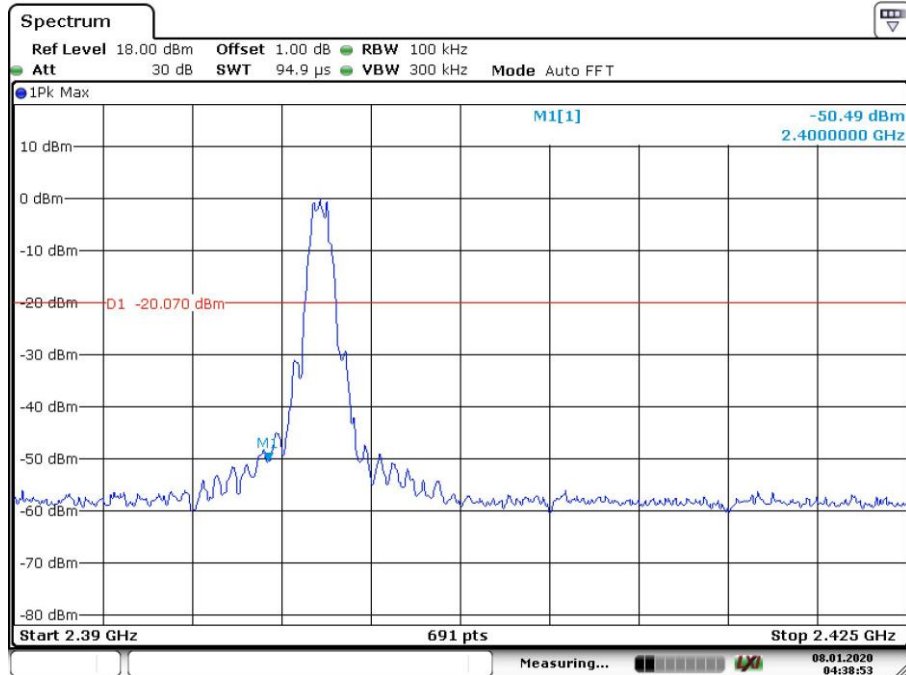
Date: 8.JAN.2020 04:40:35

High Channel



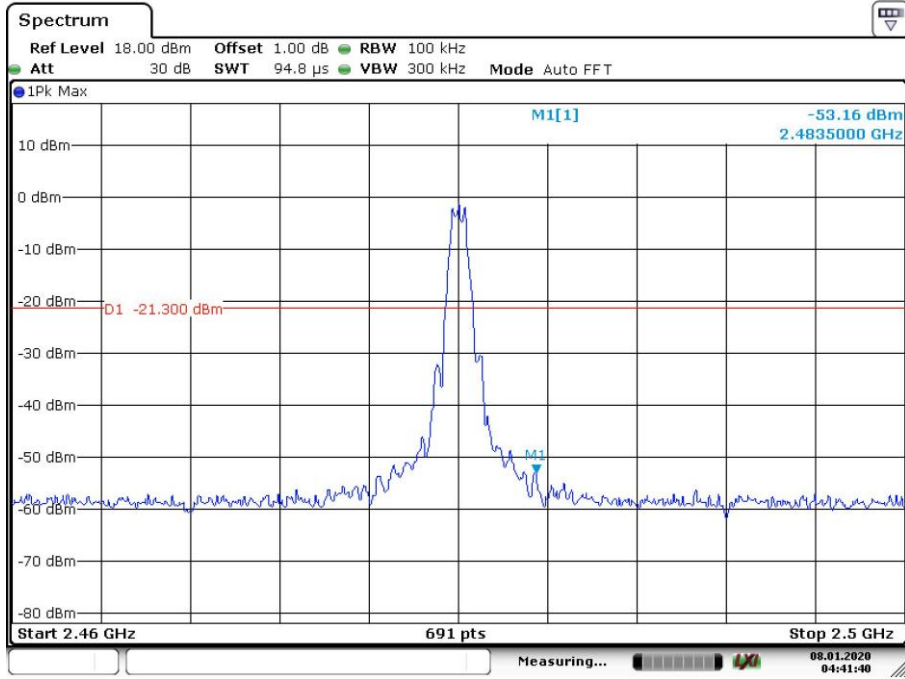
Date: 8.JAN.2020 04:41:14

Band Edge, Low Channel



Date: 8.JAN.2020 04:38:53

Band Edge, High Channel



Date: 8.JAN.2020 04:41:40

Appendix A5: Test Results of Radiated Spurious Emissions

30 MHz to 1GHz

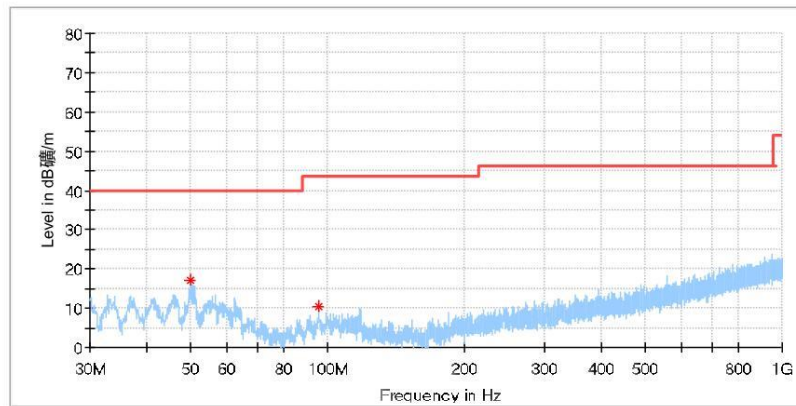
Test

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Test Report

EUT Information

EUT Name:	Bluetooth Mouse
Model:	MB230B
Test Mode:	BLE_TX_Low channel
Test Voltage::	Fully charged battery
Remark:	Temp 22 Humi:52%
Test Standard:	FCC 15.247
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)
50.030500	17.10	---	40.00	22.90	100.0	H	324.0	-18.6
95.766000	10.48	---	43.50	33.02	100.0	H	54.0	-19.9

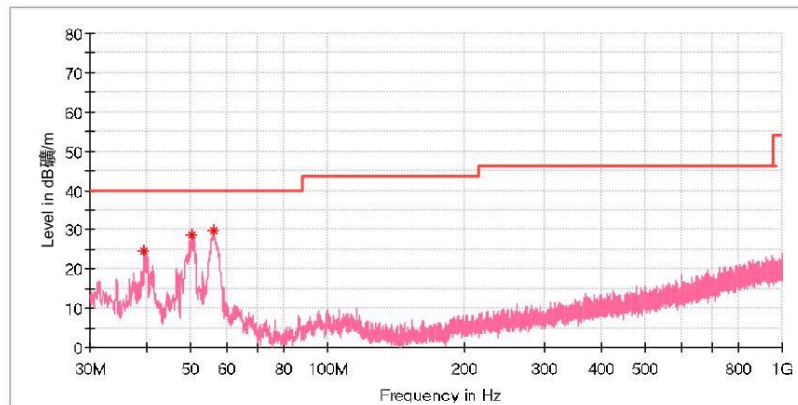
Test

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Test Report

EUT Information

EUT Name:	Bluetooth Mouse
Model:	MB230B
Test Mode:	BLE_TX_Low channel
Test Voltage:	Fully charged battery
Remark:	Temp 22 Humi:52%
Test Standard:	FCC 15.247
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)	Poi	Azimuth (deg)	Corr. (dB/m)
39.506000	24.61	---	40.00	15.39	100.0	V	264.0	-20.6
50.273000	28.59	---	40.00	11.41	100.0	V	190.0	-18.6
56.141500	29.88	---	40.00	10.12	100.0	V	6.0	-18.9

10/1/2020

4:35:21 PM

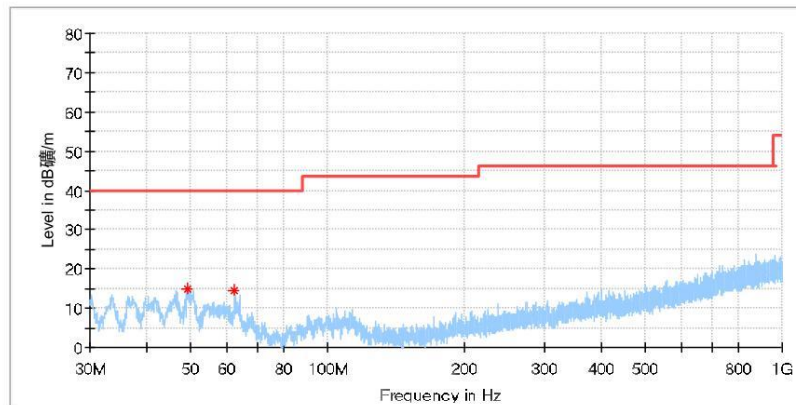
Test

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Test Report

EUT Information

EUT Name:	Bluetooth Mouse
Model:	MB230B
Test Mode:	BLE_TX_High channel
Test Voltage:	Fully charged battery
Remark:	Temp 22 Humi:52%
Test Standard:	FCC 15.247
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)	Poi	Azimuth (deg)	Corr. (dB/m)
49.109000	14.84	---	40.00	25.16	100.0	H	175.0	-18.6
62.446500	14.57	---	40.00	25.43	100.0	H	29.0	-19.8

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4:35:21 PM

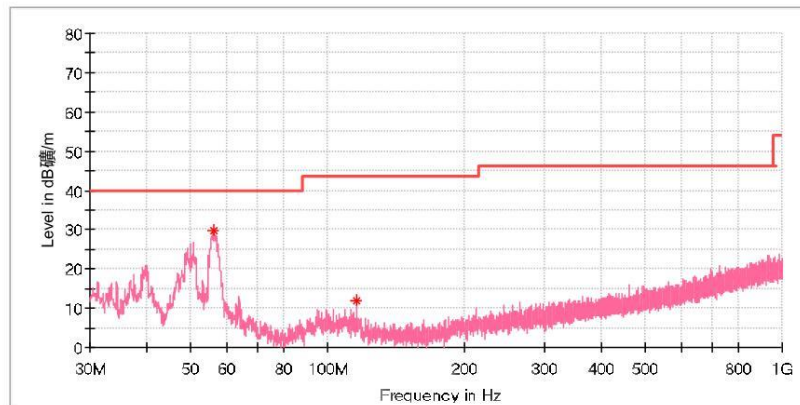
Test

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Test Report

EUT Information

EUT Name:	Bluetooth Mouse
Model:	MB230B
Test Mode:	BLE_TX_High channel
Test Voltage:	Fully charged battery
Remark:	Temp 22 Humi:52%
Test Standard:	FCC 15.247
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)	Poi	Azimuth (deg)	Corr. (dB/m)
56.190000	29.84	---	40.00	10.16	100.0	V	223.0	-18.9
115.602500	11.90	---	43.50	31.60	100.0	V	190.0	-20.2

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Above 1GHz

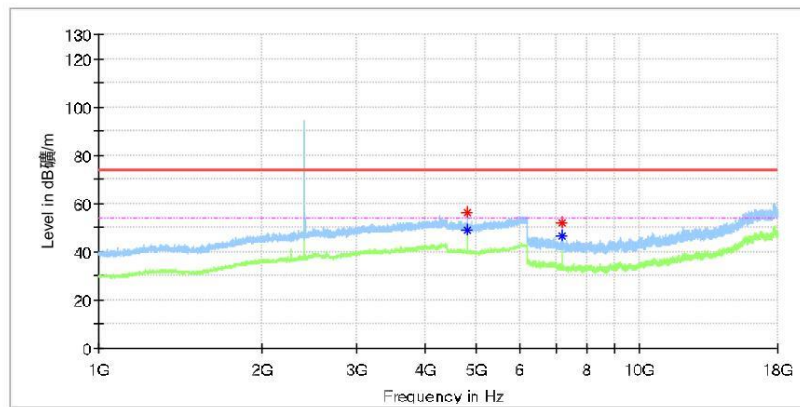
Test

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Test Report

EUT Information

EUT Name:	Bluetooth Mouse
Model:	MB230B
Test Mode:	BLE_TX_Low channel
Test Voltage::	Fully charged battery
Remark:	Temp 22 Humi:52%
Test Standard:	FCC 15.247
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)
4803.000000	56.30	---	74.00	17.70	100.0	H	91.0	13.6
4803.000000	---	48.98	54.00	5.02	100.0	H	91.0	13.6
7205.950000	---	46.61	54.00	7.39	100.0	H	108.0	8.8
7206.441667	51.72	---	74.00	22.28	100.0	H	108.0	8.8

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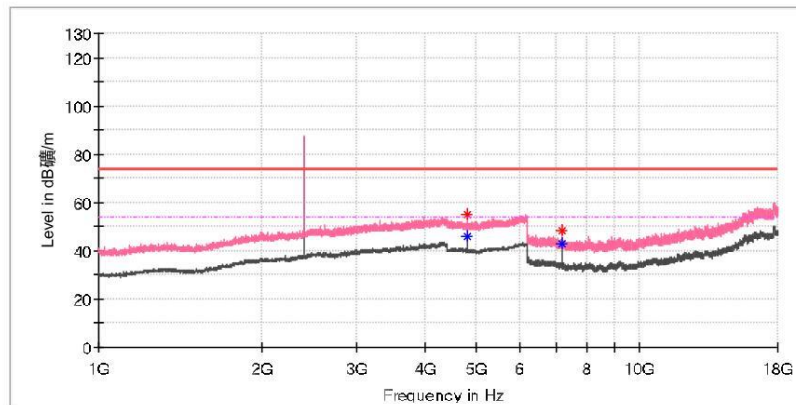
Test

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Test Report

EUT Information

EUT Name:	Bluetooth Mouse
Model:	MB230B
Test Mode:	BLE_TX_Low channel
Test Voltage:	Fully charged battery
Remark:	Temp 22 Humi:52%
Test Standard:	FCC 15.247
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)
4803.500000	55.04	---	74.00	18.96	100.0	V	146.0	13.6
4804.000000	---	45.89	54.00	8.11	100.0	V	155.0	13.6
7204.475000	48.21	---	74.00	25.79	100.0	V	356.0	8.8
7205.950000	---	42.99	54.00	11.01	100.0	V	317.0	8.8

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2:19:12 PM

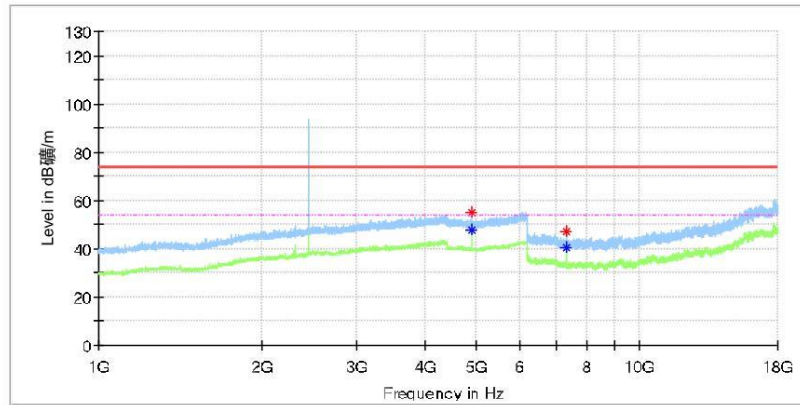
Test

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Test Report

EUT Information

EUT Name:	Bluetooth Mouse
Model:	MB230B
TestMode:	BLE_TX_Mid channel
TestVoltage::	Fully charged battery
Remark:	Temp 22 Humi:52%
TestStandard:	FCC 15.247
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)
4879.500000	--	47.71	54.00	6.29	100.0	H	131.0	13.4
4879.500000	54.74	--	74.00	19.26	100.0	H	131.0	13.4
7320.508333	47.08	--	74.00	26.92	100.0	H	114.0	8.2
7320.508333	--	40.68	54.00	13.32	100.0	H	114.0	8.2

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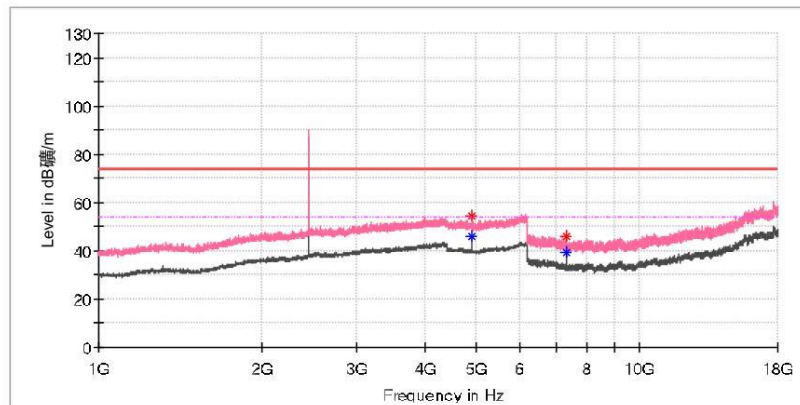
Test

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Test Report

EUT Information

EUT Name:	Bluetooth Mouse
Model:	MB230B
TestMode:	BLE_TX_Mid channel
TestVoltage::	Fully charged battery
Remark:	Temp 22 Humi:52%
TestStandard:	FCC 15.247
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)	Poi	Azimuth (deg)	Corr. (dB/m)
4880.000000	---	45.69	54.00	8.31	100.0	V	67.0	13.4
4880.000000	54.19	---	74.00	19.81	100.0	V	67.0	13.4
7319.033333	---	39.44	54.00	14.56	100.0	V	19.0	8.2
7320.508333	45.90	---	74.00	28.10	100.0	V	133.0	8.2

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2:19:12 PM

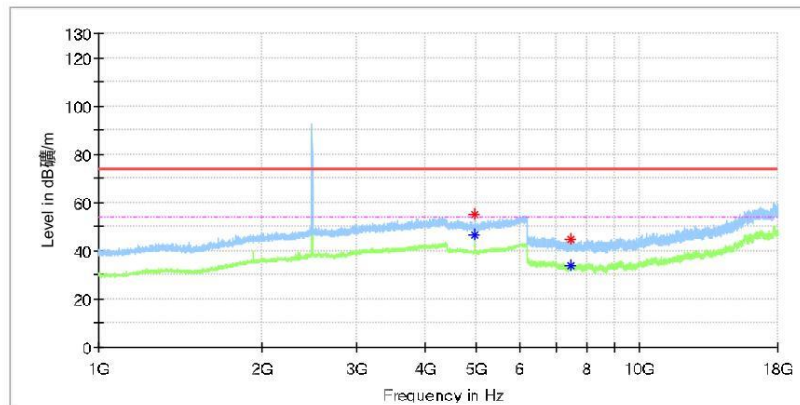
Test

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Test Report

EUT Information

EUT Name:	Bluetooth Mouse
Model:	MB230B
Test Mode:	BLE_TX_High channel
Test Voltage:	Fully charged battery
Remark:	Temp 22 Humi:52%
Test Standard:	FCC 15.247
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)
4960.000000	--	46.32	54.00	7.68	100.0	H	58.0	13.2
4960.000000	54.78	--	74.00	19.22	100.0	H	58.0	13.2
7439.983333	44.67	--	74.00	29.33	100.0	H	353.0	8.4
7440.475000	--	33.94	54.00	20.06	100.0	H	224.0	8.4

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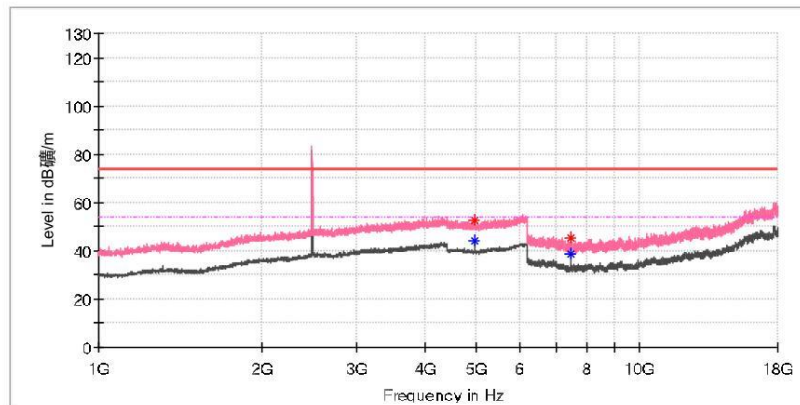
Test

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Test Report

EUT Information

EUT Name:	Bluetooth Mouse
Model:	MB230B
Test Mode:	BLE_TX_High channel
Test Voltage:	Fully charged battery
Remark:	Temp 22 Humi:52%
Test Standard:	FCC 15.247
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)	Poi	Azimuth (deg)	Corr. (dB/m)
4959.500000	---	44.25	54.00	9.75	100.0	V	60.0	13.2
4960.500000	52.44	---	74.00	21.56	100.0	V	247.0	13.2
7439.000000	---	38.51	54.00	15.49	100.0	V	84.0	8.4
7439.000000	45.22	---	74.00	28.78	100.0	V	84.0	8.4

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Appendix A6: Test Results of Radiated Emissions in Restricted Bands

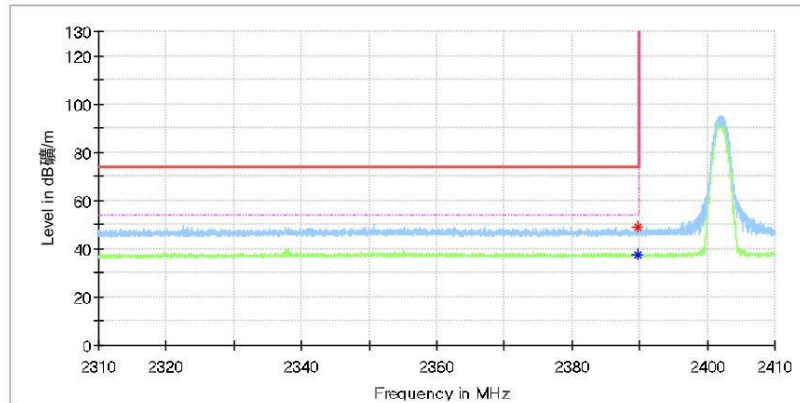
Test

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Test Report

EUT Information

EUT Name:	Bluetooth Mouse
Model:	MB230B
Test Mode:	BLE_TX_Low channel
Test Voltage::	Fully charged battery
Remark:	Temp 22 Humi:52%
Test Standard:	FCC 15.247
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)	PoI	Azimuth (deg)	Corr. (dB/m)
2389.691177	--	37.58	54.00	16.42	100.0	H	87.0	7.0
2389.779412	48.68	--	74.00	25.32	100.0	H	0.0	7.0

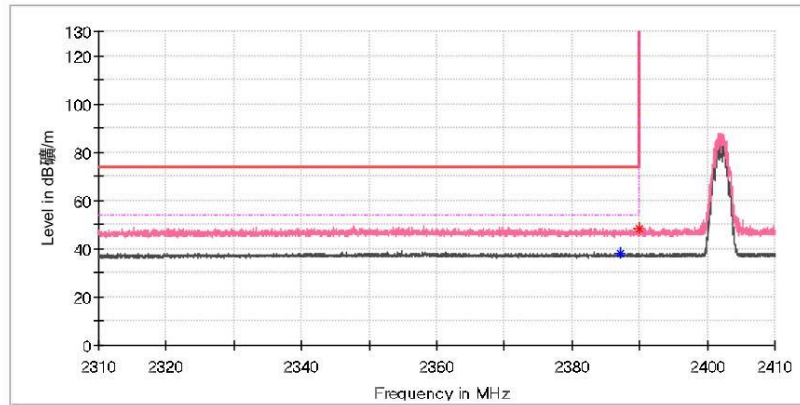
Test

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Test Report

EUT Information

EUT Name: Bluetooth Mouse
Model: MB230B
Test Mode: BLE_TX_Low channel
Test Voltage: Fully charged battery
Remark: Temp 22 Humi:52%
Test Standard: FCC 15.247
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)
2387.058824	--	38.30	54.00	15.70	100.0	V	15.0	7.0
2389.955882	48.10	--	74.00	25.90	100.0	V	78.0	7.0

10/1/2020

2:37:11 PM

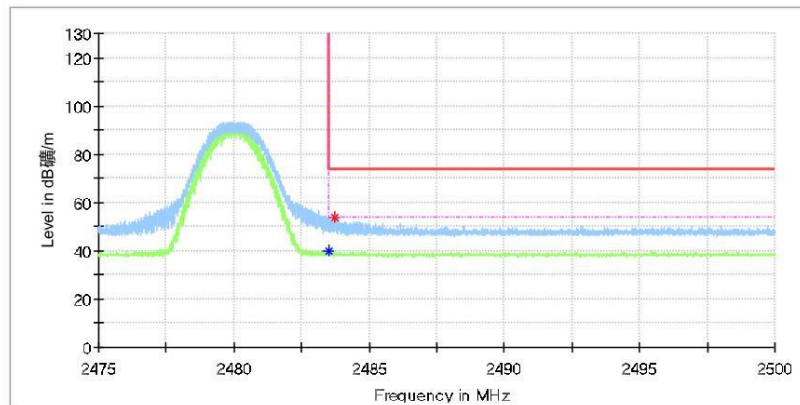
Test

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Test Report

EUT Information

EUT Name:	Bluetooth Mouse
Model:	MB230B
Test Mode:	BLE_TX_High channel
Test Voltage:	Fully charged battery
Remark:	Temp 22 Humi:52%
Test Standard:	FCC 15.247
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)	Poi	Azimuth (deg)	Corr. (dB/m)
2483.496324	--	39.82	200.00	160.18	100.0	H	30.0	7.4
2483.724265	54.00	--	74.00	20.00	100.0	H	99.0	7.4

10/1/2020

2:37:11 PM

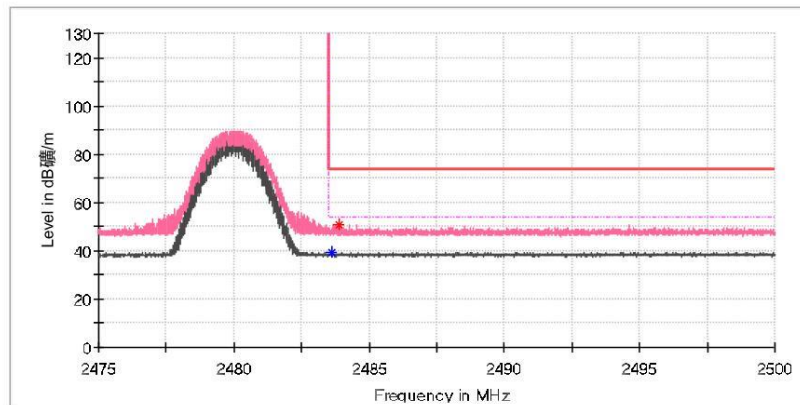
Test

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Test Report

EUT Information

EUT Name:	Bluetooth Mouse
Model:	MB230B
Test Mode:	BLE_TX_High channel
Test Voltage:	Fully charged battery
Remark:	Temp 22 Humi:52%
Test Standard:	FCC 15.247
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)	Poi	Azimuth (deg)	Corr. (dB/m)
2483.625000	--	39.18	54.00	14.82	100.0	V	164.0	7.4
2483.893382	51.04	--	74.00	22.96	100.0	V	338.0	7.4

10/1/2020

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