Appendix C: Test Results of 802.11 b/g/n

APPENDIX C: TEST RESULTS OF 802.11 B/G/N **1**

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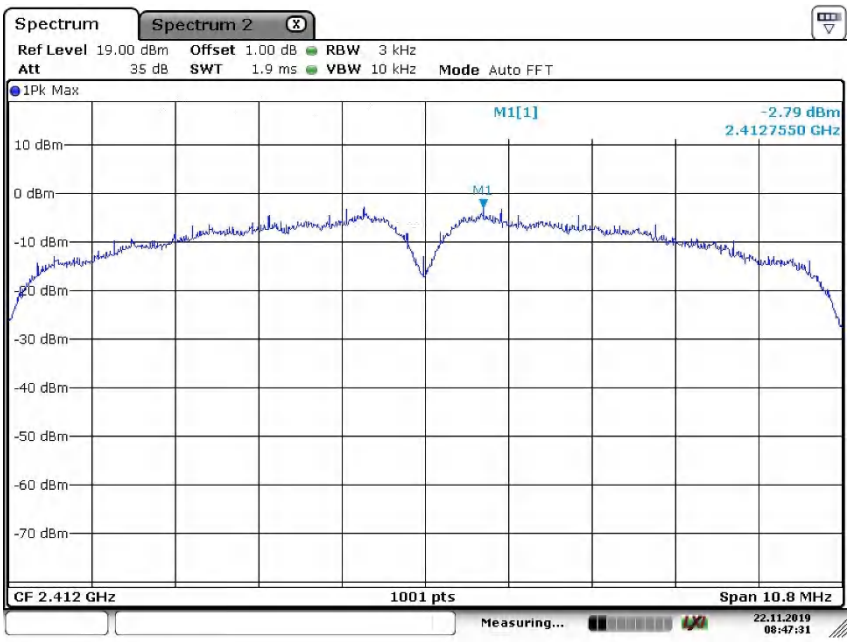
Appendix C.1: Conducted Power Spectral Density

Wi-Fi 802.11 b mode, 1 Mbps



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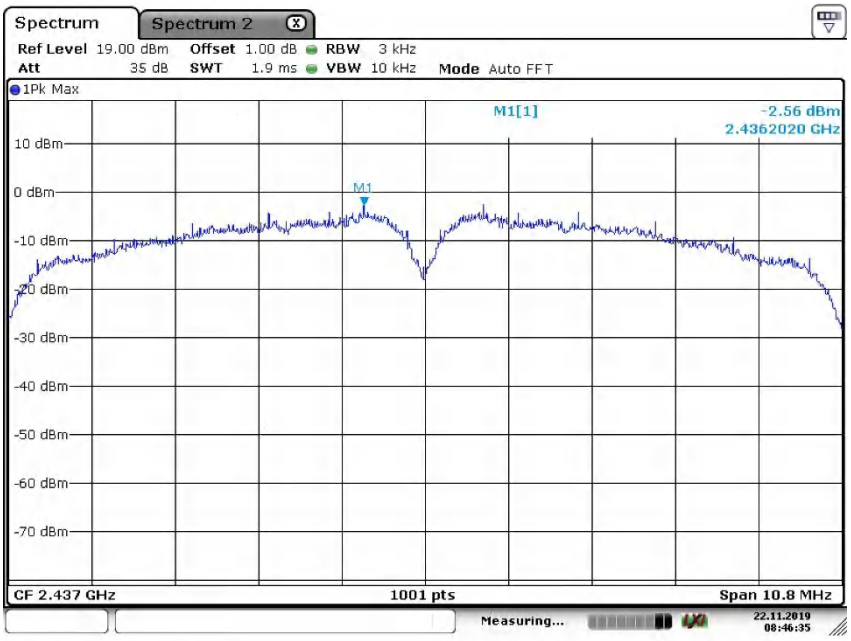
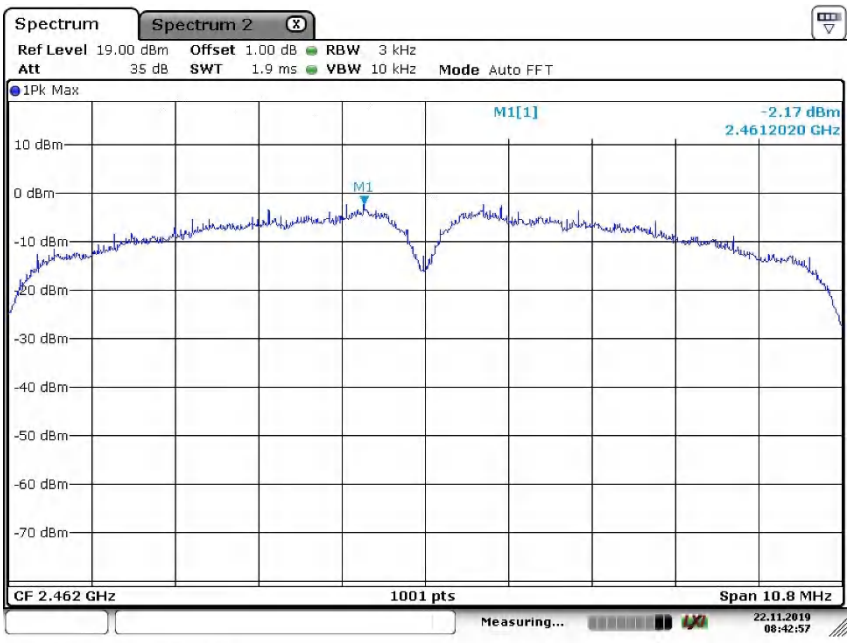


Date: 22.NOV.2019 08:46:35



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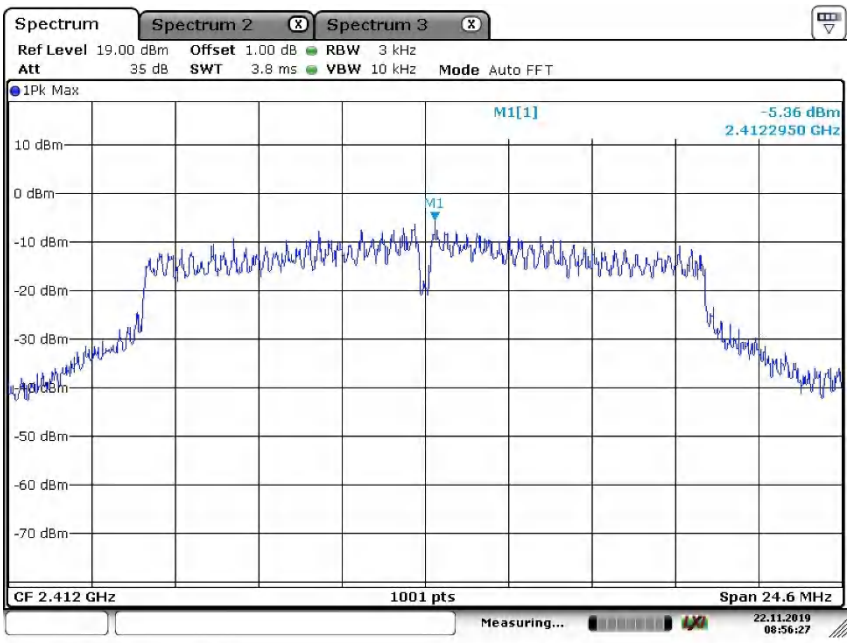
Wi-Fi 802.11 g mode, 6 Mbps



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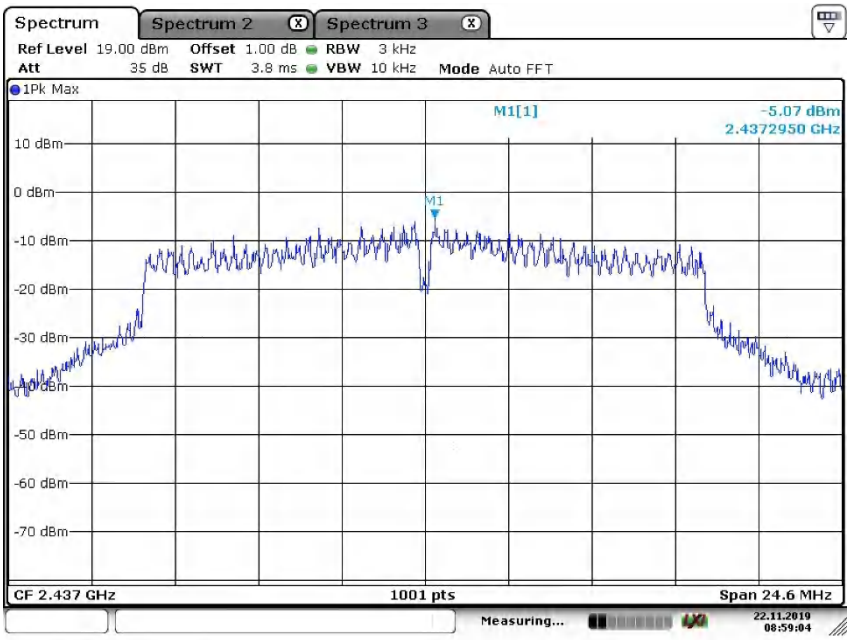
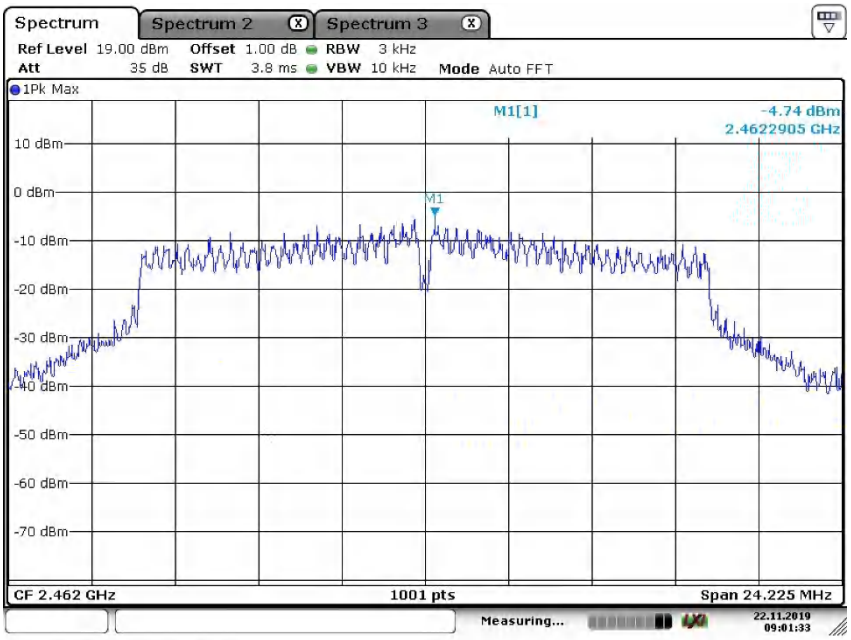
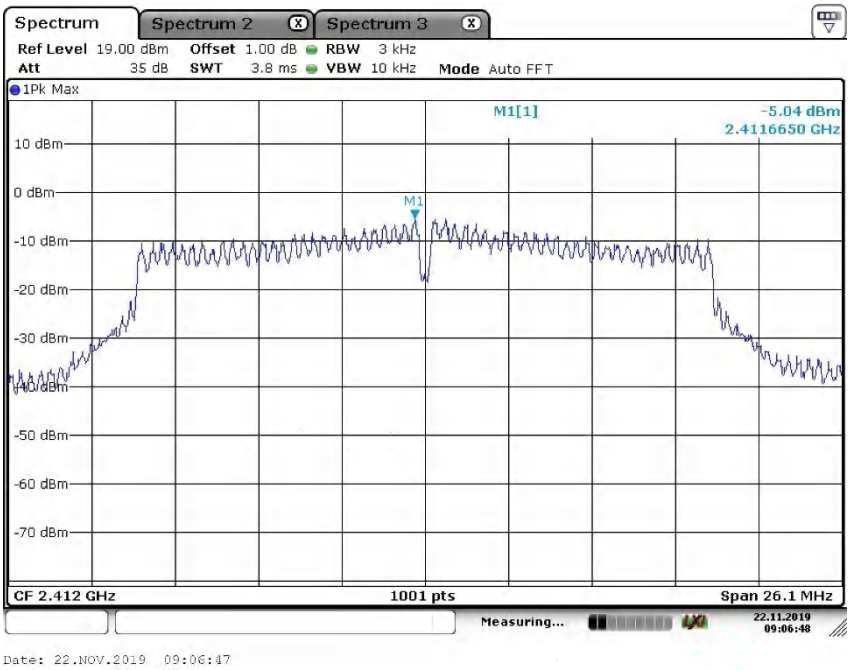


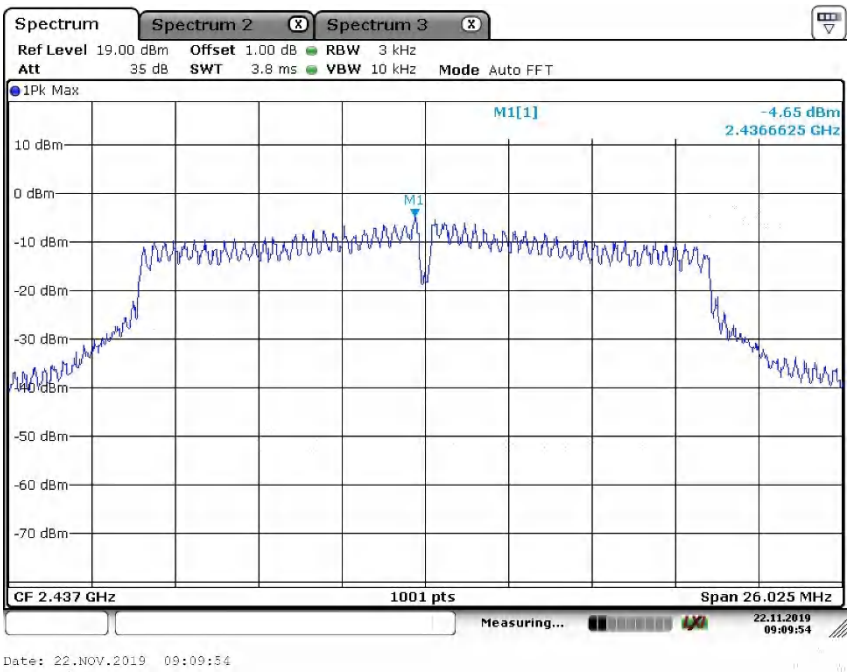
Date: 22.NOV.2019 08:59:04

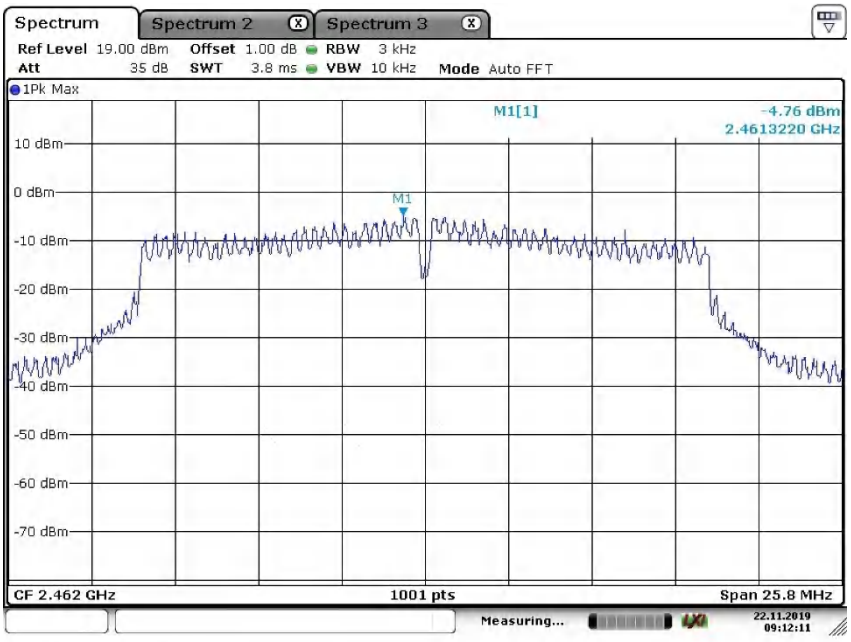


Date: 22.NOV.2019 09:01:32

Wi-Fi 802.11 n(HT20) mode, MCS0





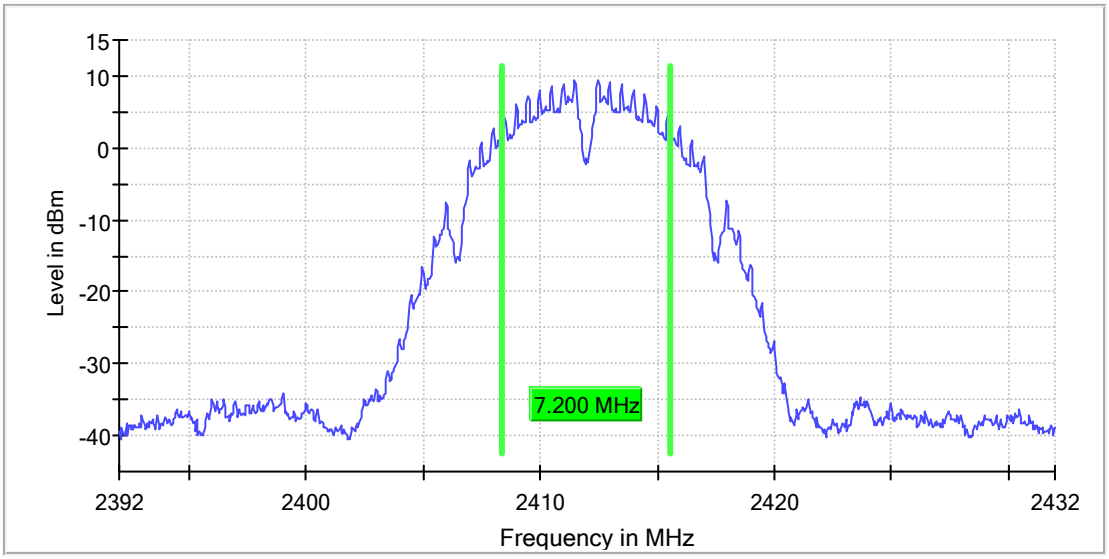


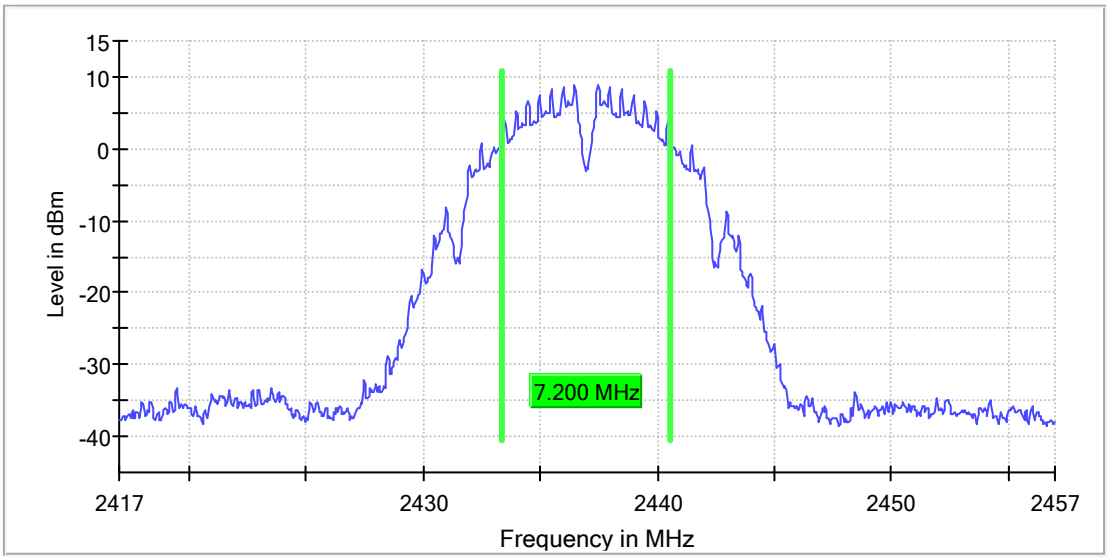
Date: 22.NOV.2019 09:12:11

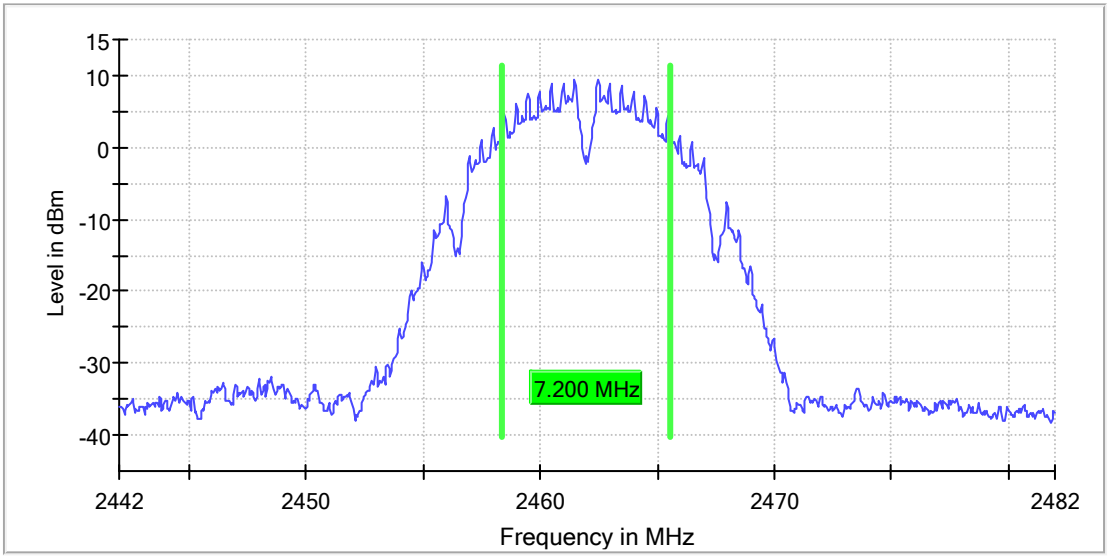
Appendix C.2: 6dB Bandwidth

Wi-Fi 802.11 b mode, 1 Mbps

RBW=100KHz, VBW=300KHz

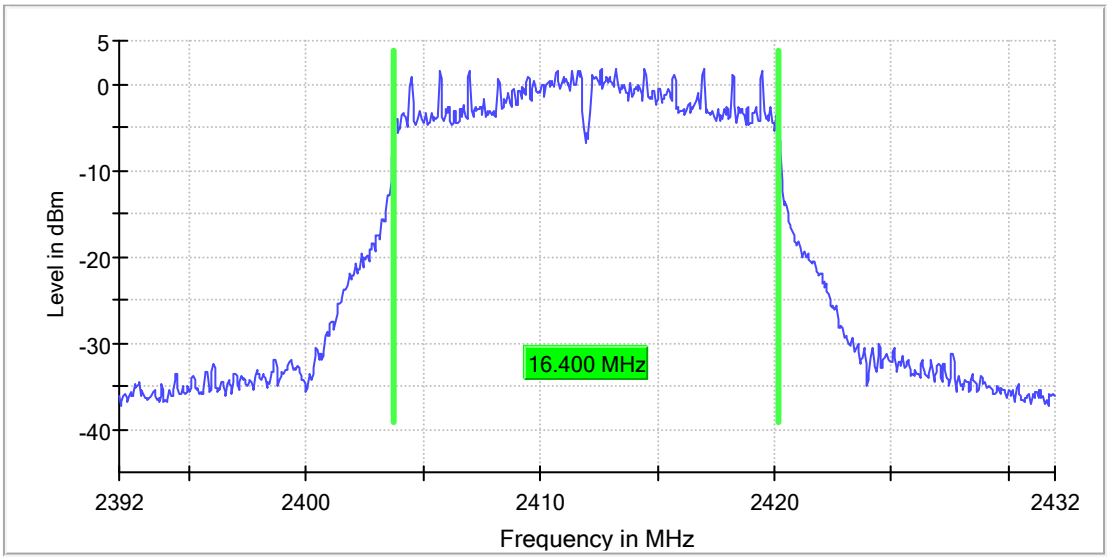


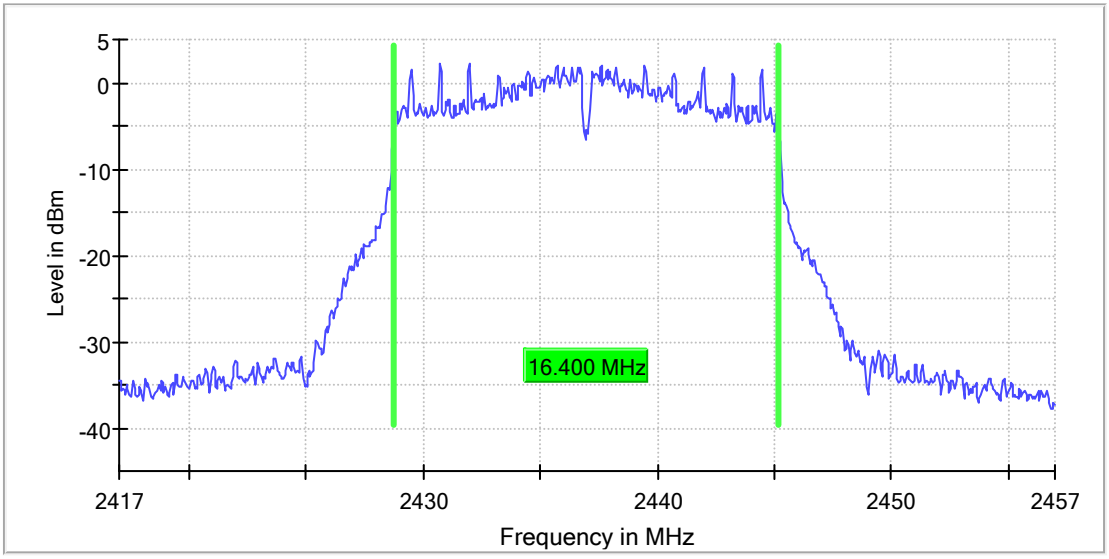


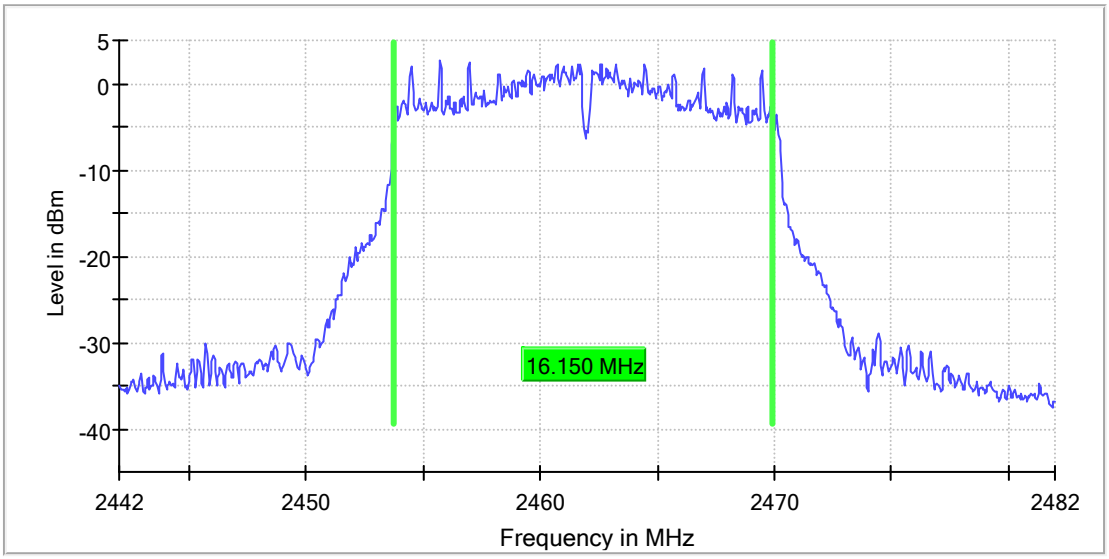


Wi-Fi 802.11 g mode, 6 Mbps

RBW=100KHz, VBW=300KHz

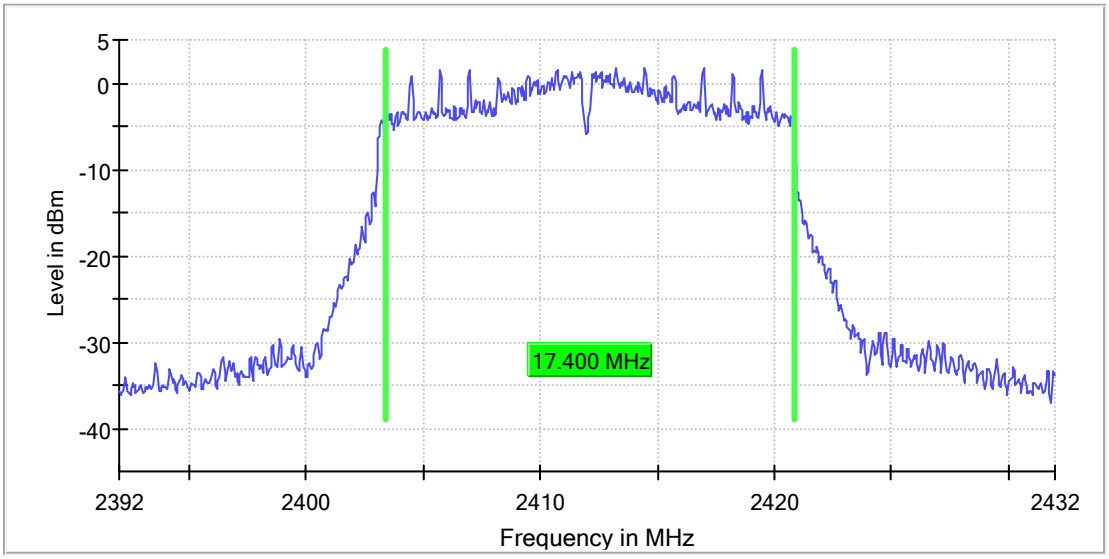


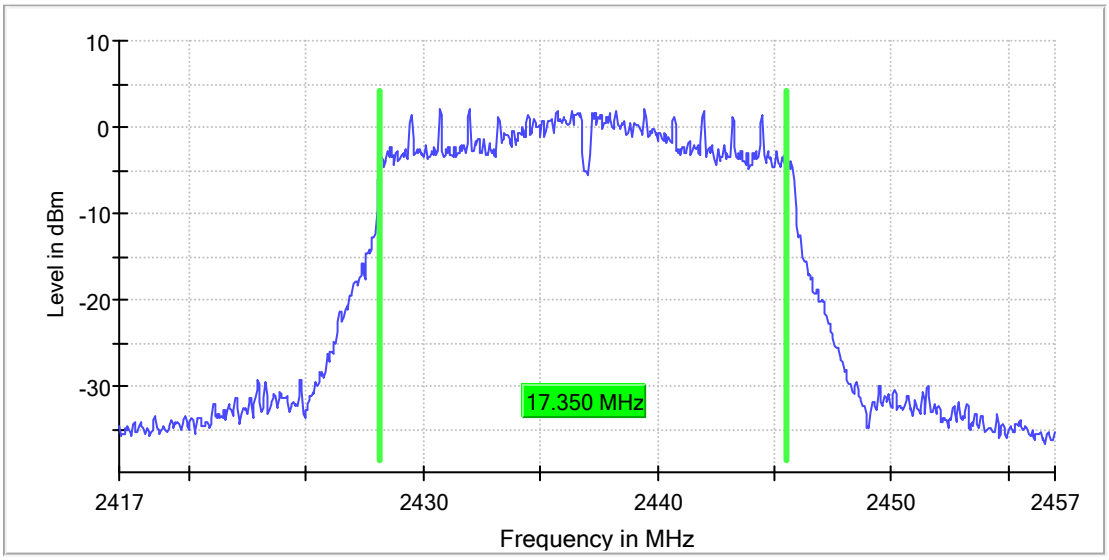

5
0
-10
-20
-30
-40
Level in dBm
16.400 MHz
2417
2430
2440
2450
2457
Frequency in MHz

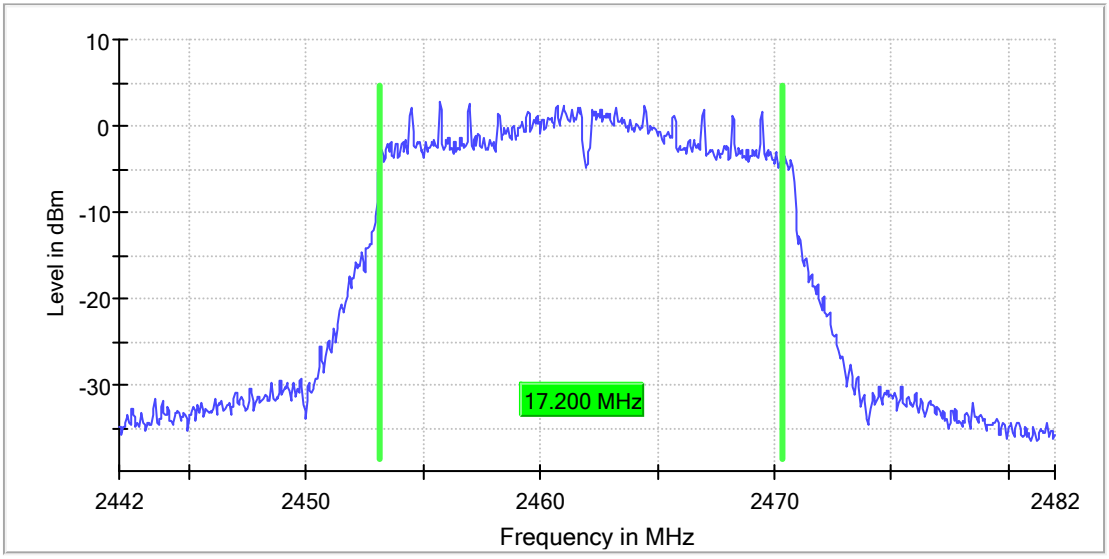

5
0
-10
-20
-30
-40
Level in dBm
16.150 MHz
2442
2450
2460
2470
2482
Frequency in MHz

Wi-Fi 802.11 n(HT20) mode, MCS0

RBW=100KHz, VBW=300KHz

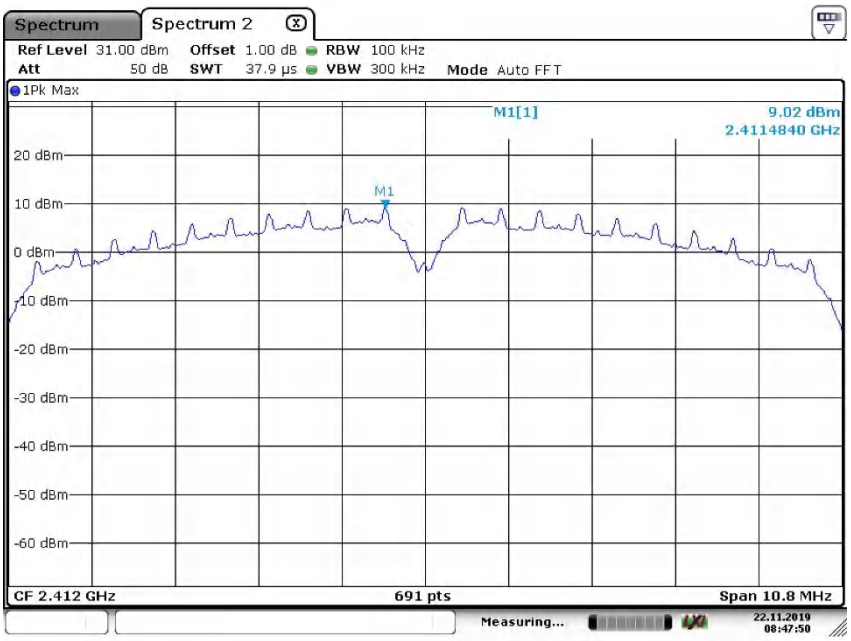


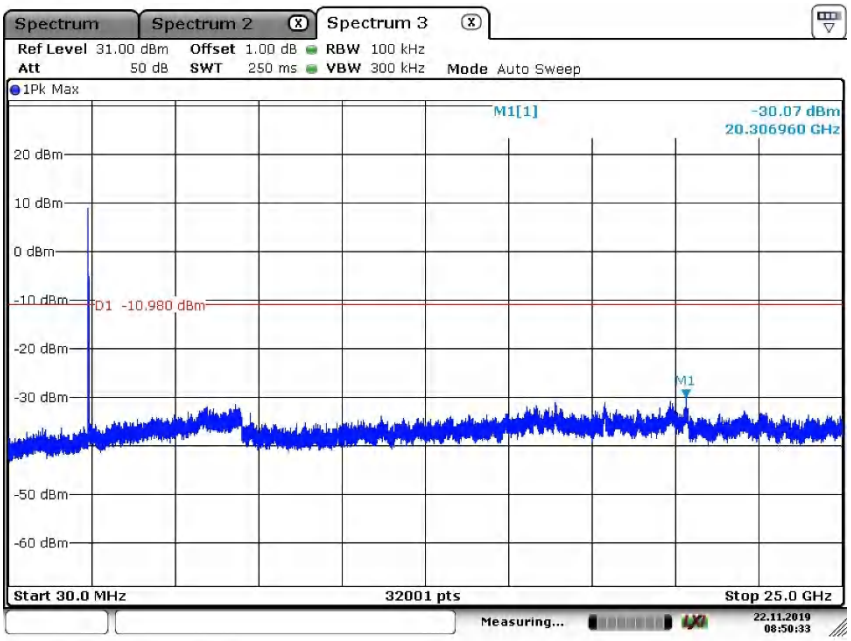



10
0
-10
-20
-30
Level in dBm
17.200 MHz
2442
2450
2460
2470
2482
Frequency in MHz

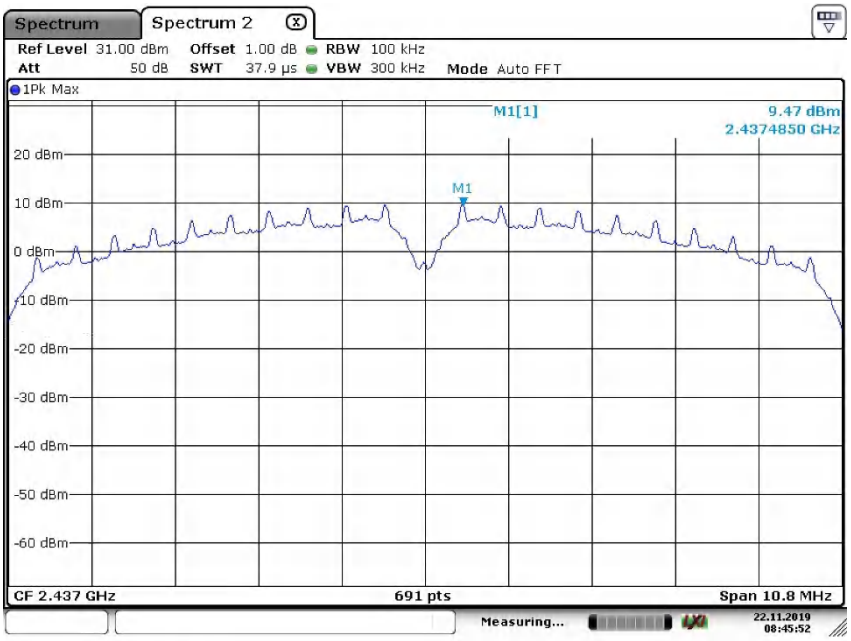
Appendix C.3: Conducted Spurious Emissions Measured in 100 kHz Bandwidth

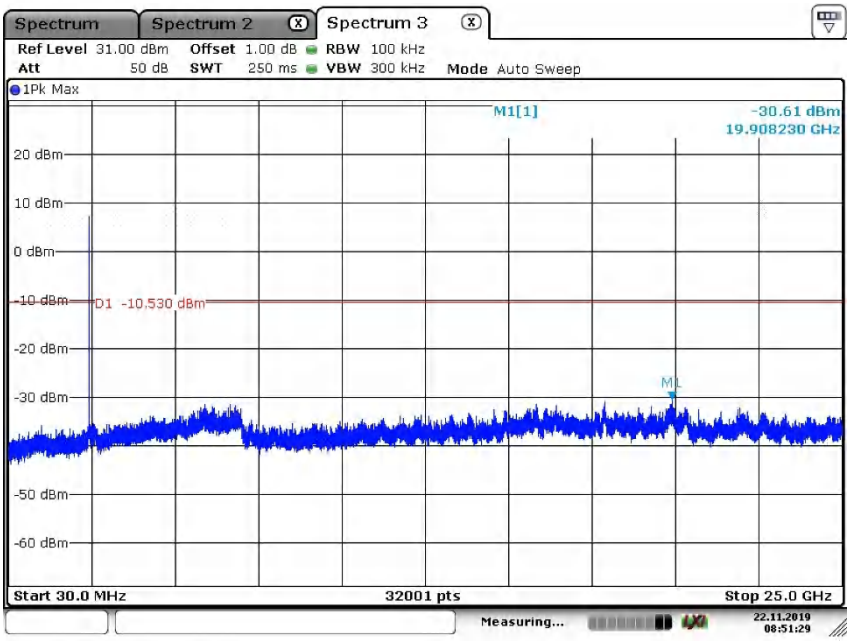
Wi-Fi 802.11 b mode, 1 Mbps
Low Channel



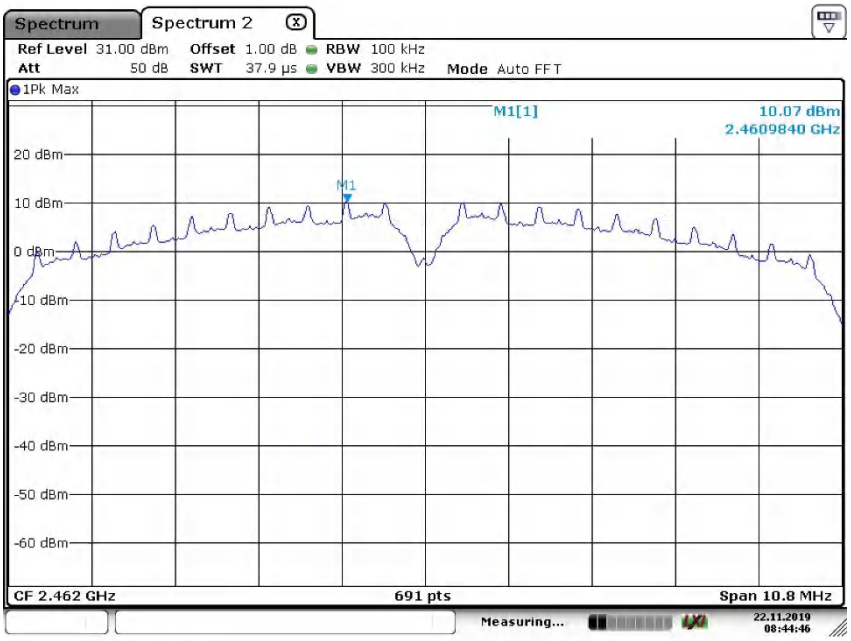


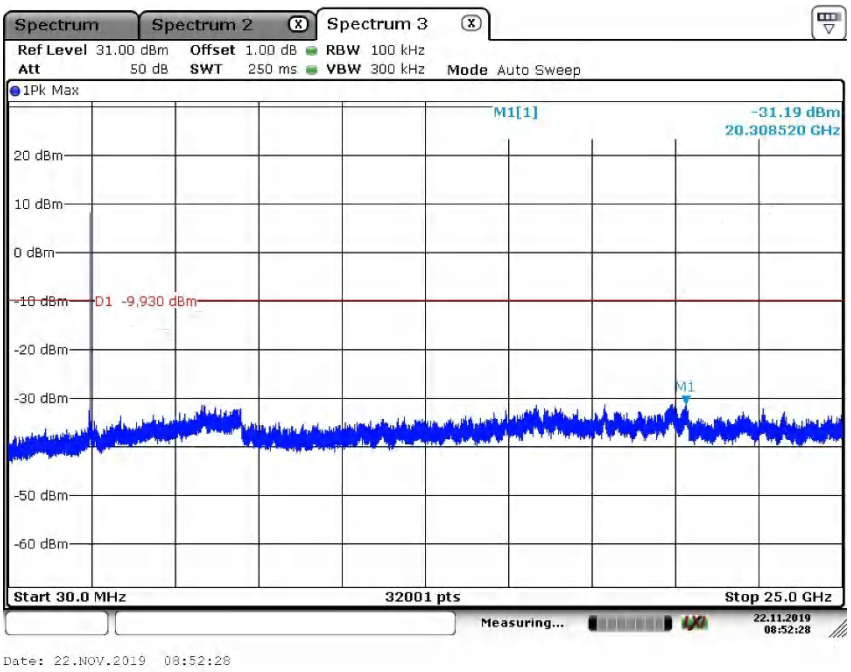
Middle Channel



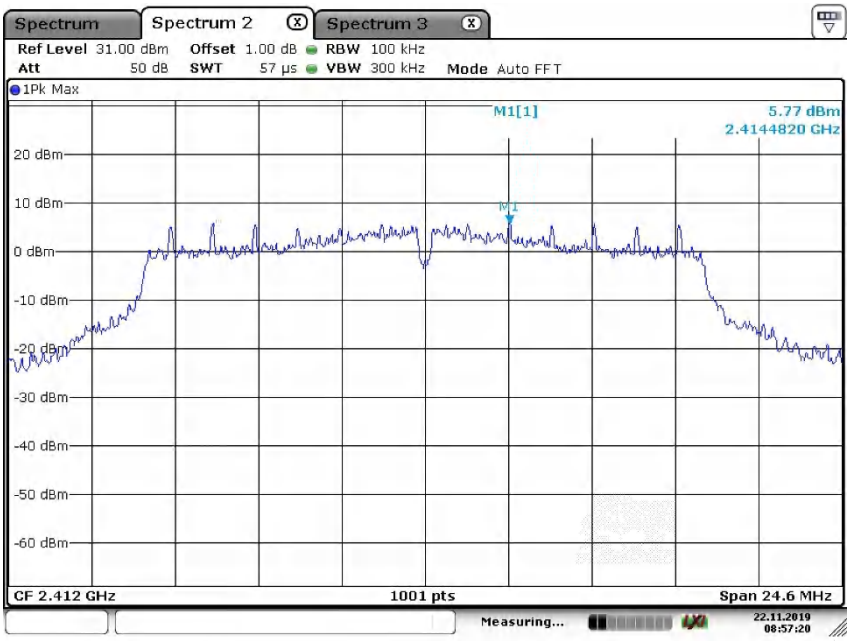


High Channel

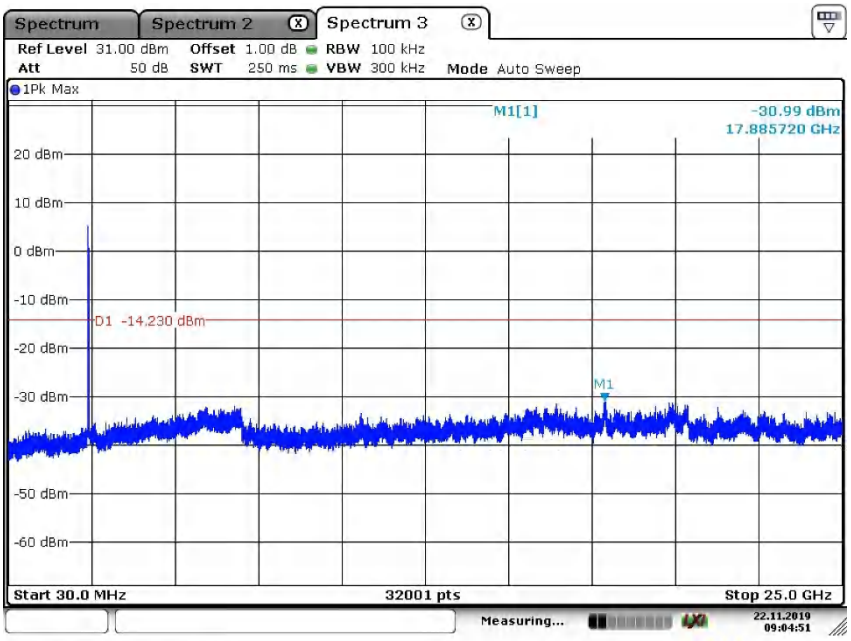




Wi-Fi 802.11 g mode, 6 Mbps
Low Channel

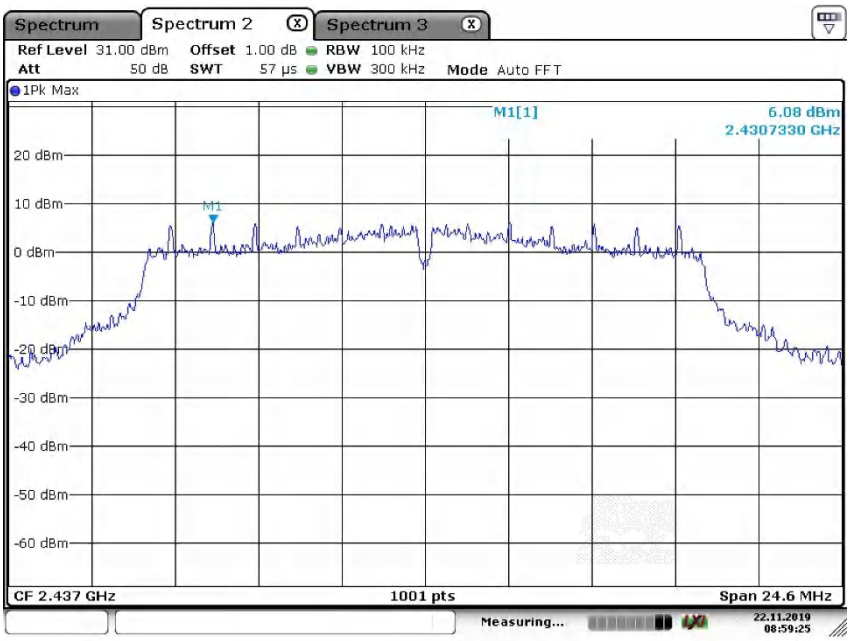


Date: 22.NOV.2019 08:57:20

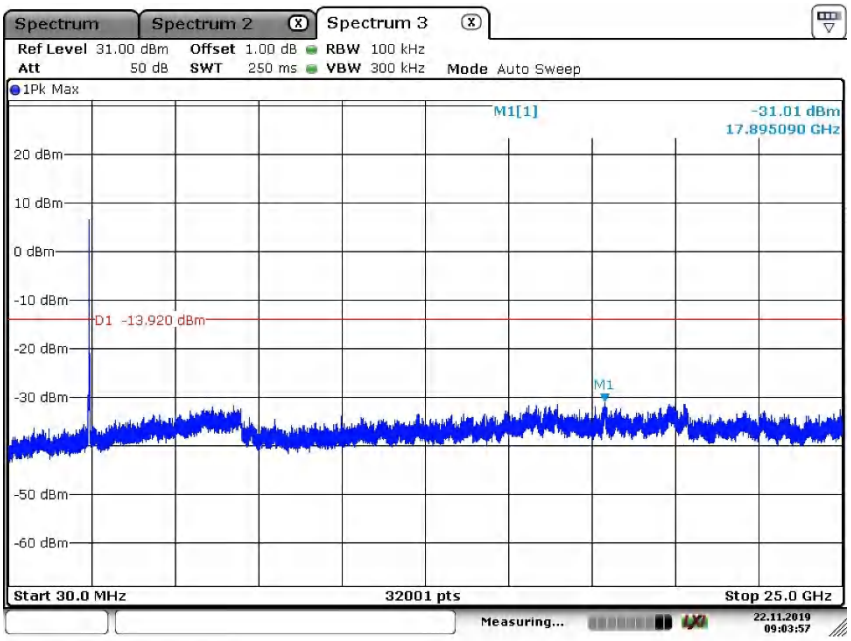


Date: 22.NOV.2019 09:04:51

Middle Channel

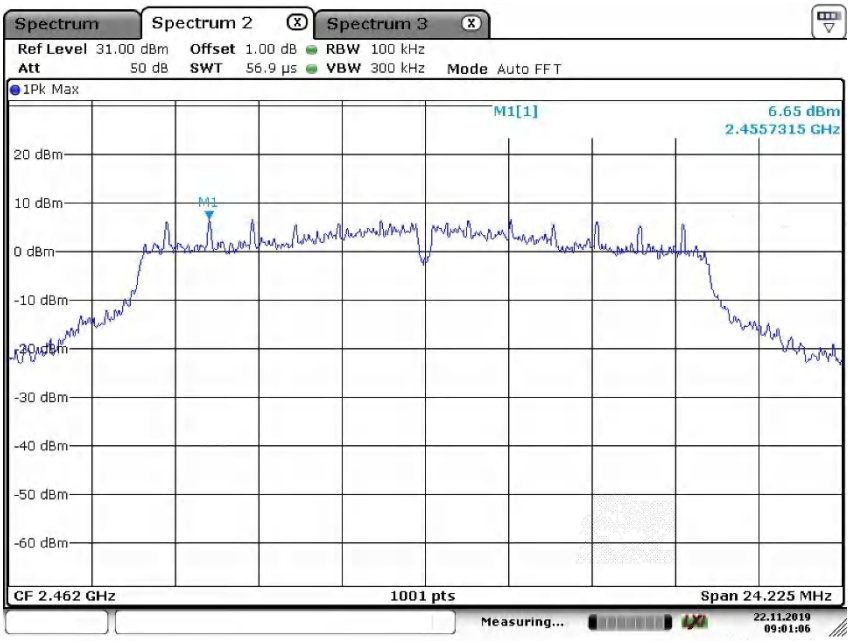


Date: 22.NOV.2019 08:59:25

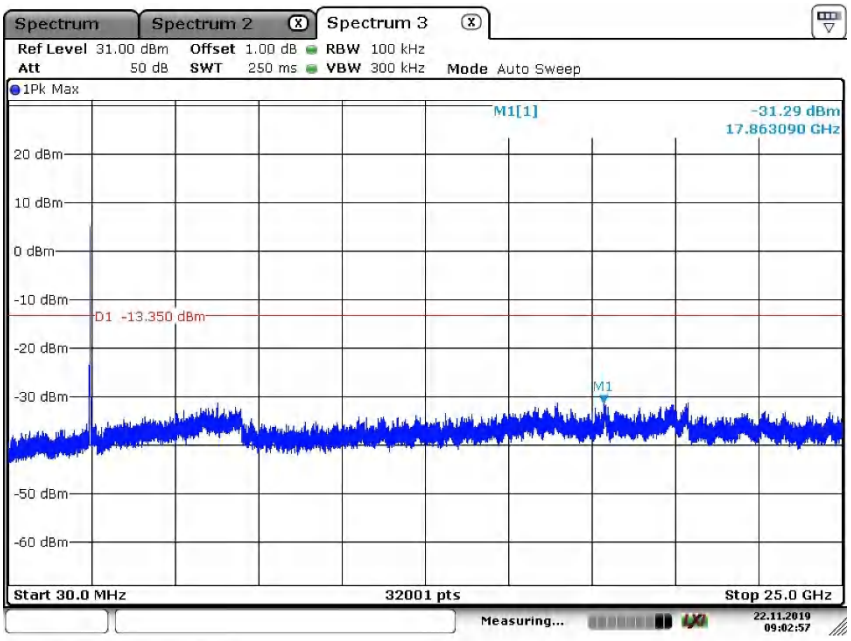


Date: 22.NOV.2019 09:03:57

High Channel

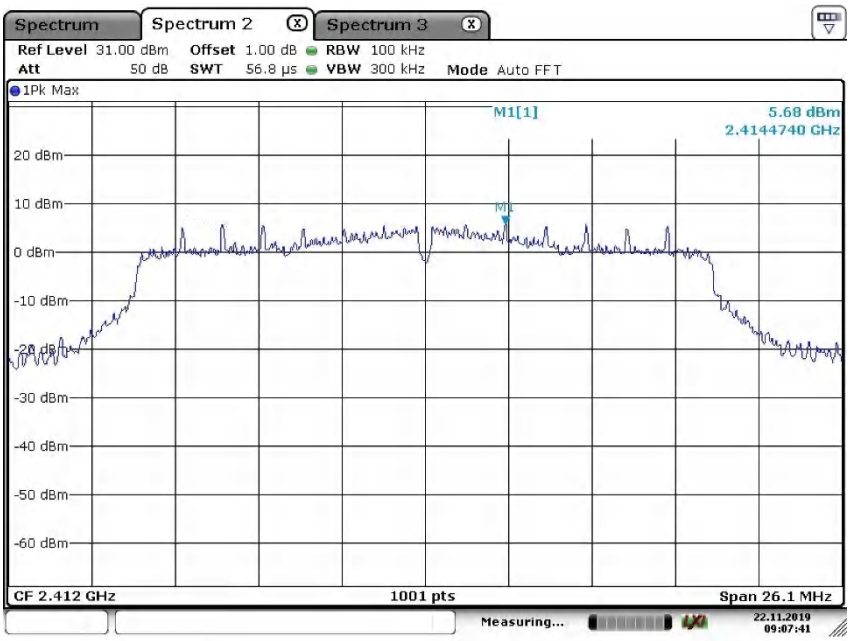


Date: 22.NOV.2019 09:01:06

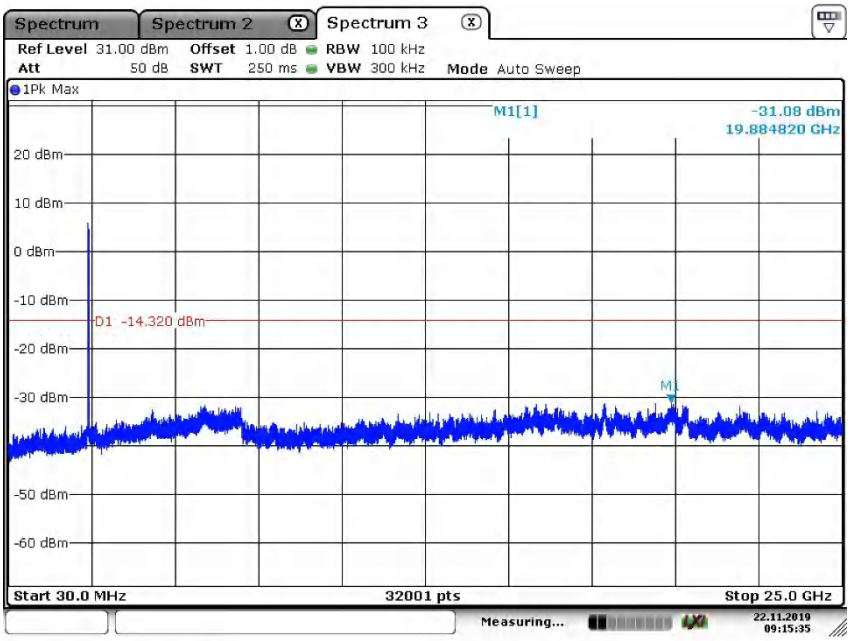


Date: 22.NOV.2019 09:02:57

Wi-Fi 802.11 n(HT20) mode, MCS0
Low Channel

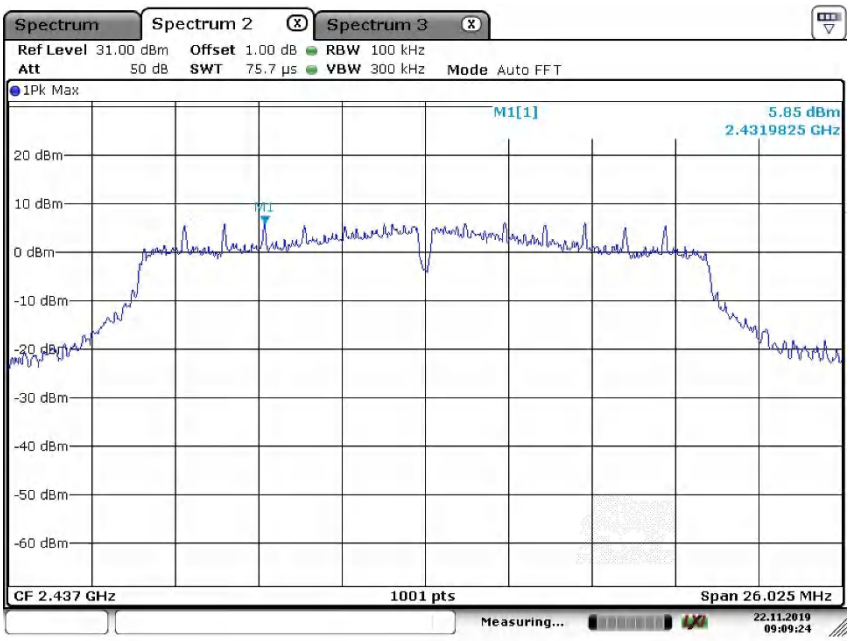


Date: 22.NOV.2019 09:07:41

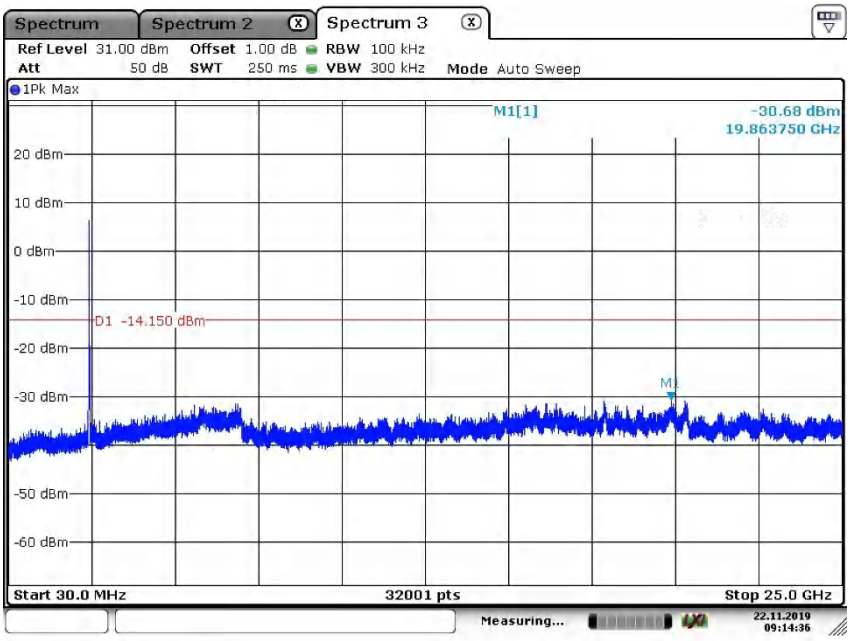


Date: 22.NOV.2019 09:15:35

Middle Channel

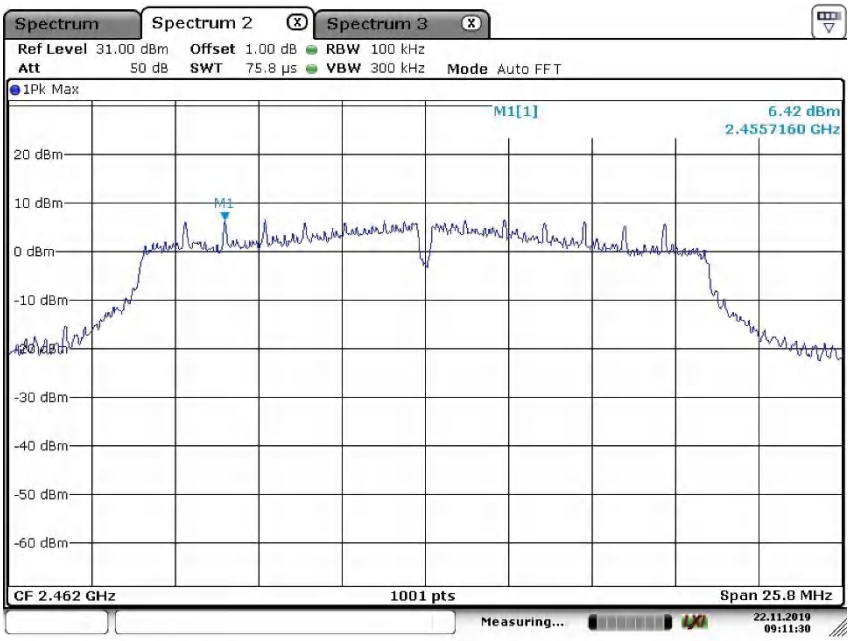


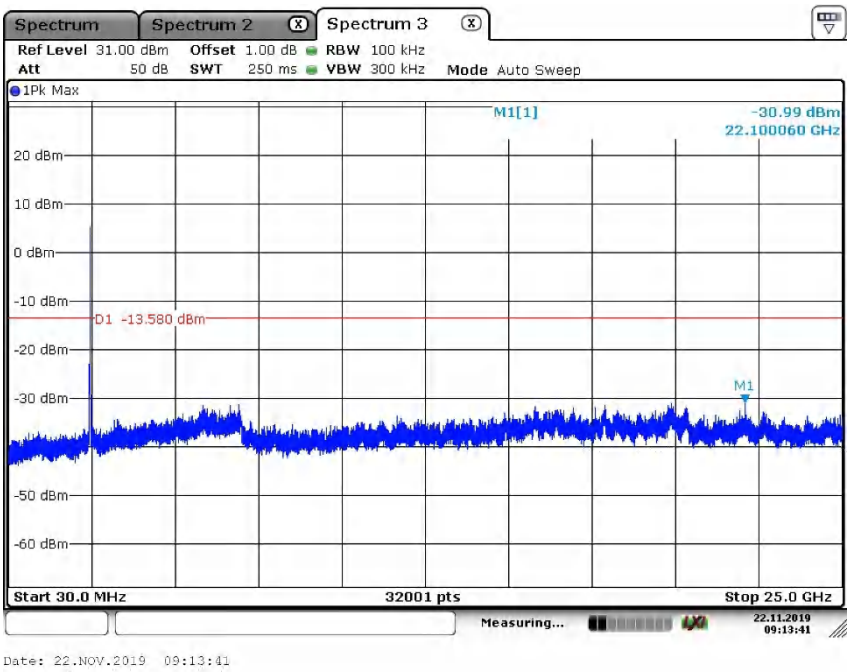
Date: 22.NOV.2019 09:09:24



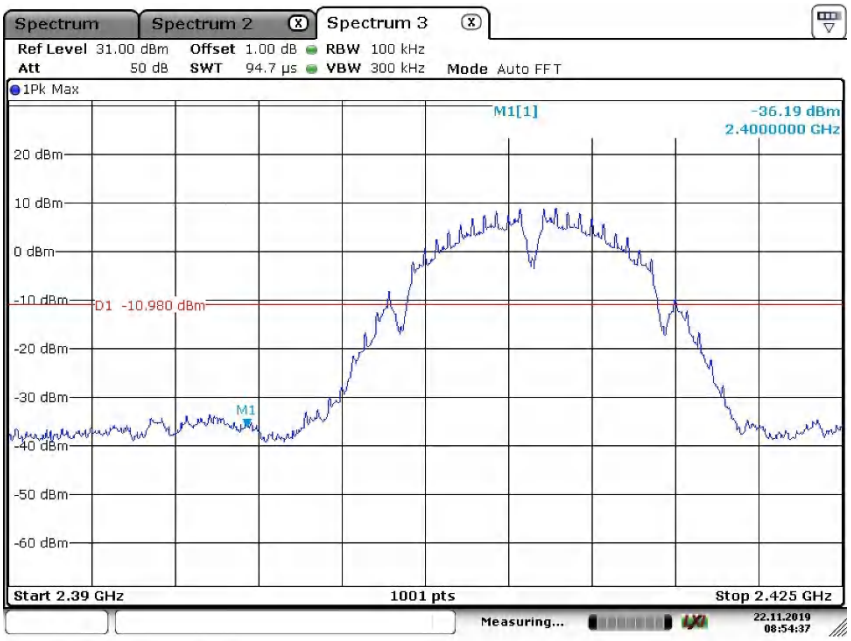
Date: 22.NOV.2019 09:14:36

High Channel



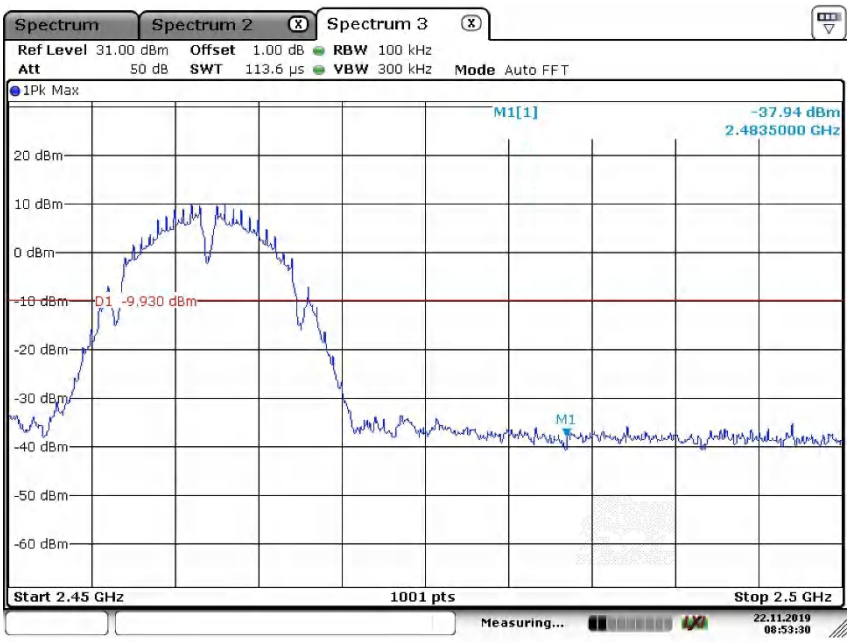


Wi-Fi 802.11 b mode, Band Edge
Low Channel



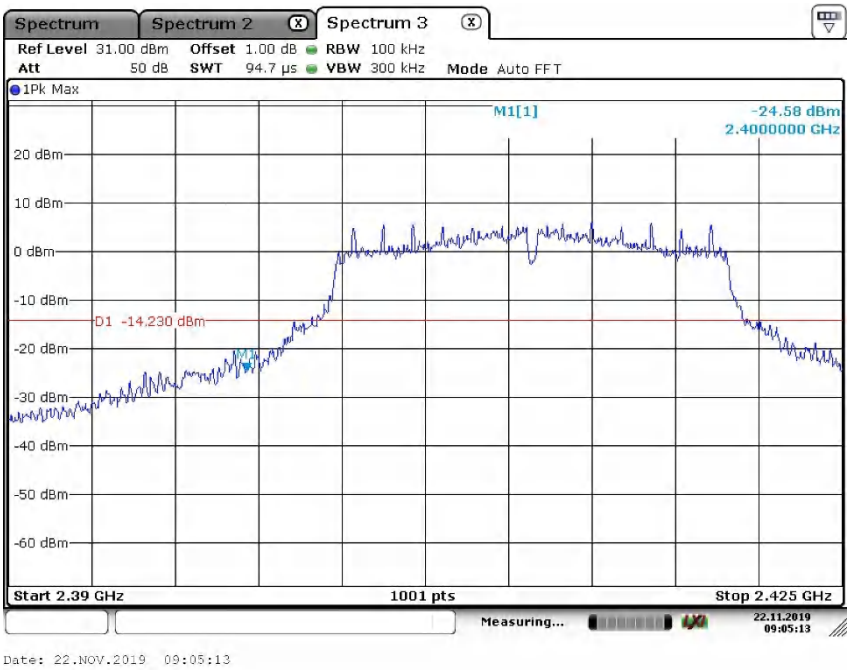
Date: 22.NOV.2019 08:54:37

High Channel



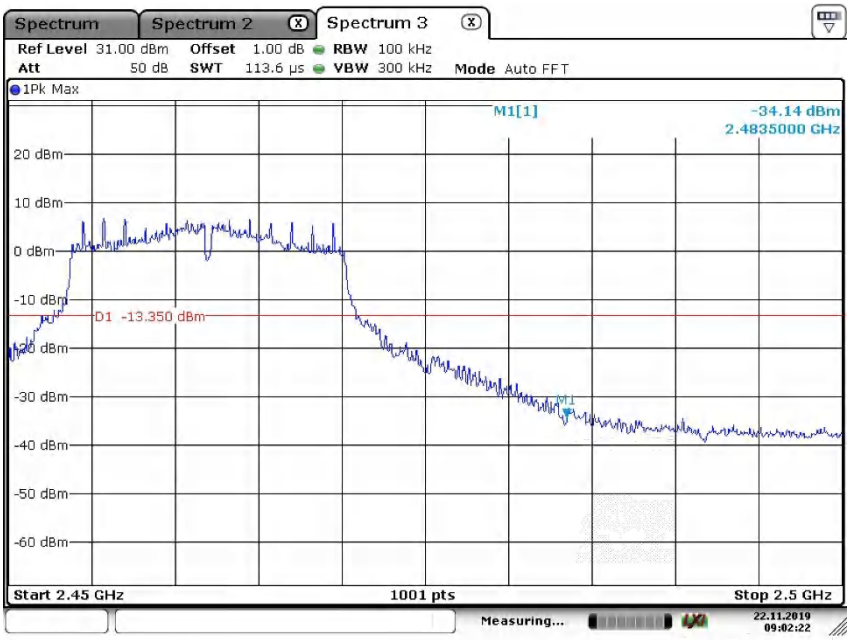
Date: 22.NOV.2019 08:53:30

Wi-Fi 802.11 g mode, Band Edge
Low Channel



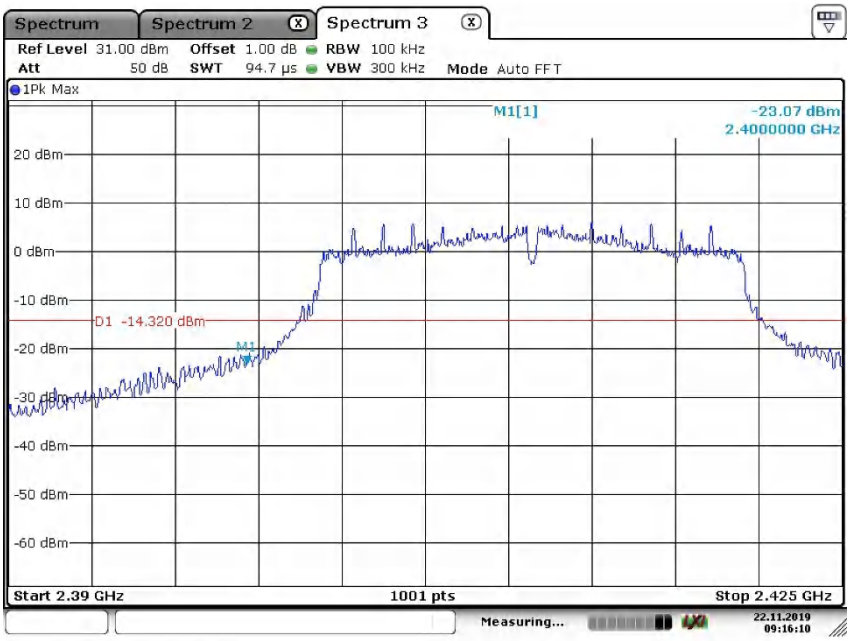
Date: 22.NOV.2019 09:05:13

High Channel



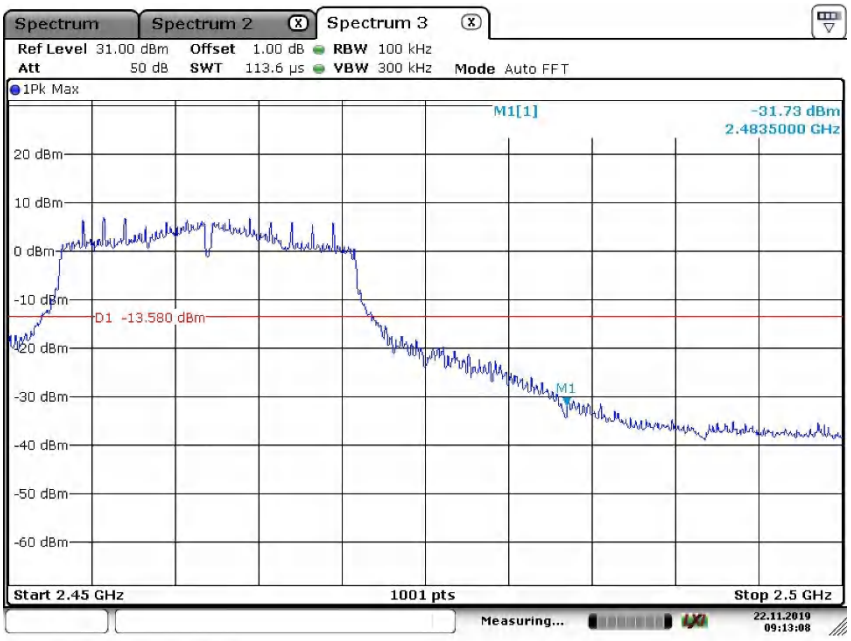
Date: 22.NOV.2019 09:02:22

Wi-Fi 802.11 n(HT20) mode, Band Edge
Low Channel



Date: 22.NOV.2019 09:16:10

High Channel



Date: 22.NOV.2019 09:13:08

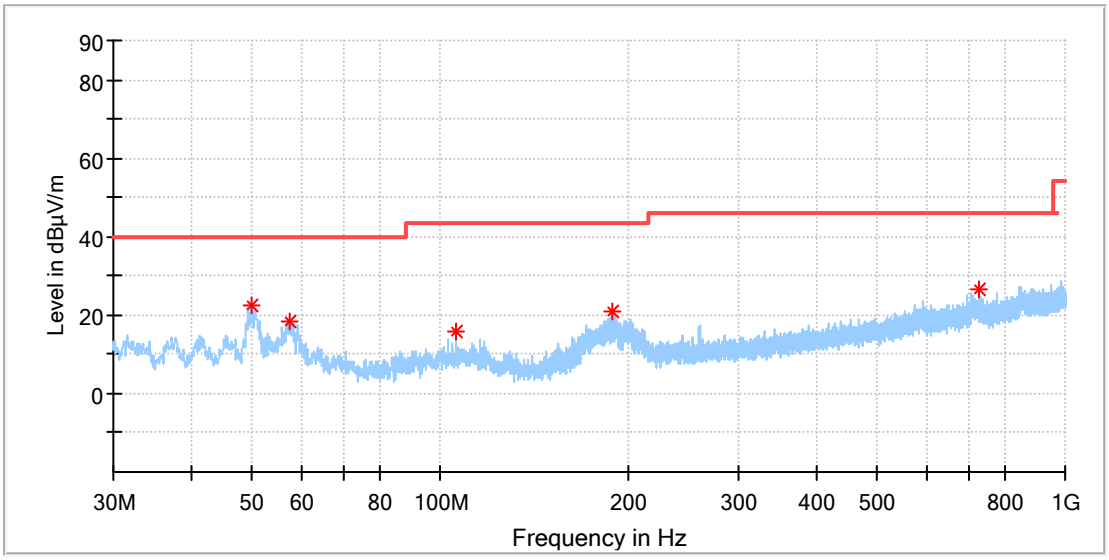
Appendix C.4: Test Plots of Radiated Spurious Emission

Note: The radiated spurious emission were measured from 9KHz to 26.5GHz, the measurements from 9KHz-30MHz with active loop antenna were greater than 20dB below the limit, so the radiated Spurious Emissions (9kHz – 30MHz) tests were recorded but not showed in this appendix.

Wi-Fi 802.11 b mode, 1 Mbps

EUT Information

EUT Name:	Silver Box
Model:	PU-1723
Test Mode:	TX_High Channel
Test Voltage::	DC 12V
Remark:	Temp 23 Humi:48%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

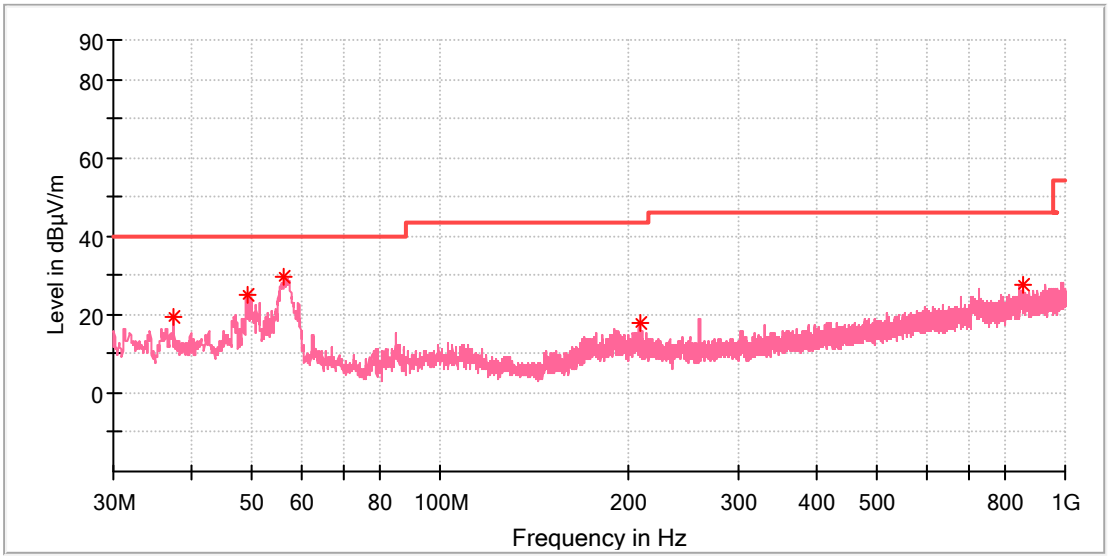


Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
49.982000	22.32	---	40.00	17.68	100.0	H	270.0	-18.6
57.402500	18.58	---	40.00	21.42	100.0	H	106.0	-19.0
106.242000	15.91	---	43.50	27.59	100.0	H	89.0	-19.2
188.983000	20.94	---	43.50	22.56	100.0	H	270.0	-20.0
728.836500	26.58	---	46.00	19.42	100.0	H	261.0	-7.9

EUT Information

EUT Name:	Silver Box
Model:	PU-1723
Test Mode:	TX_High Channel
Test Voltage::	DC 12V
Remark:	Temp 23 Humi:48%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

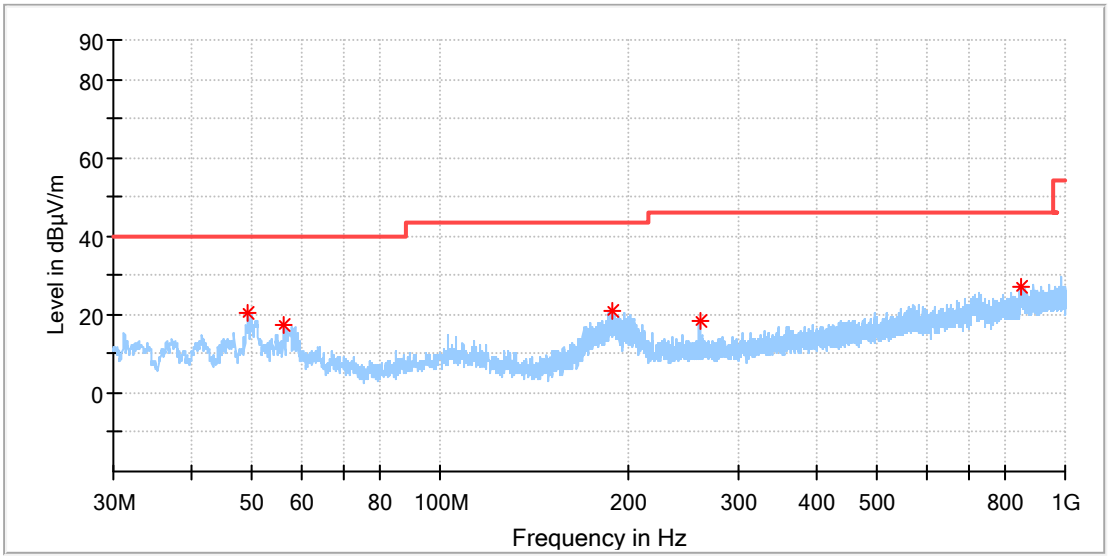


Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
37.469000	19.42	---	40.00	20.58	100.0	V	259.0	-21.3
49.351500	25.14	---	40.00	14.86	100.0	V	145.0	-18.6
56.238500	29.44	---	40.00	10.56	100.0	V	284.0	-18.9
208.383000	17.97	---	43.50	25.53	100.0	V	235.0	-19.2
854.645500	27.46	---	46.00	18.54	100.0	V	259.0	-5.9

EUT Information

EUT Name:	Silver Box
Model:	PU-1723
Test Mode:	TX_Low Channel
Test Voltage::	DC 12V
Remark:	Temp 23 Humi:48%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

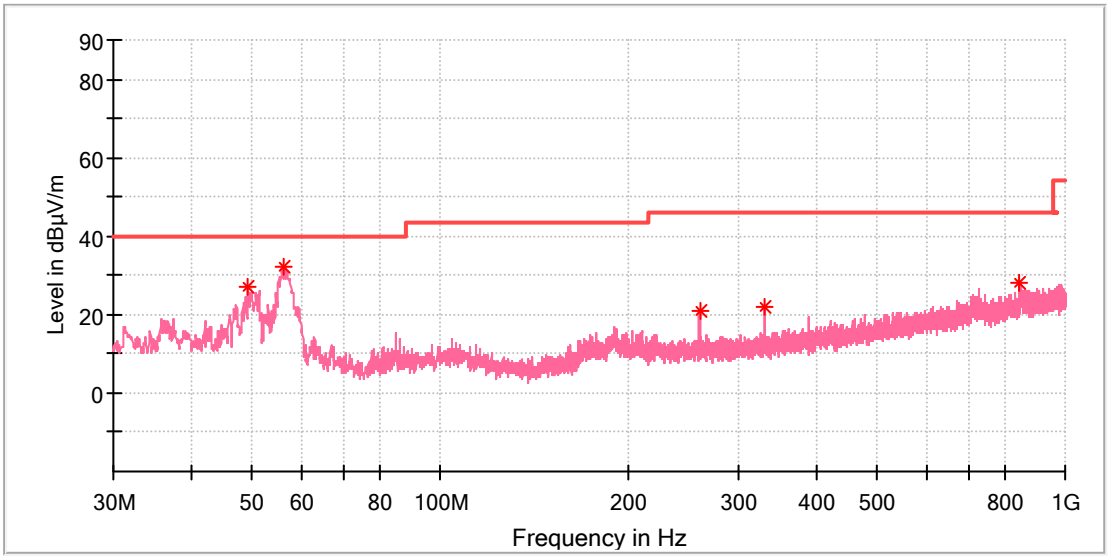


Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
49.351500	20.28	---	40.00	19.72	100.0	H	229.0	-18.6
56.190000	17.27	---	40.00	22.73	100.0	H	245.0	-18.9
188.643500	20.76	---	43.50	22.74	100.0	H	253.0	-20.0
259.987000	18.38	---	46.00	27.62	100.0	H	163.0	-17.5
849.747000	27.30	---	46.00	18.70	100.0	H	204.0	-5.9

EUT Information

EUT Name:	Silver Box
Model:	PU-1723
Test Mode:	TX_Low Channel
Test Voltage::	DC 12V
Remark:	Temp 23 Humi:48%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

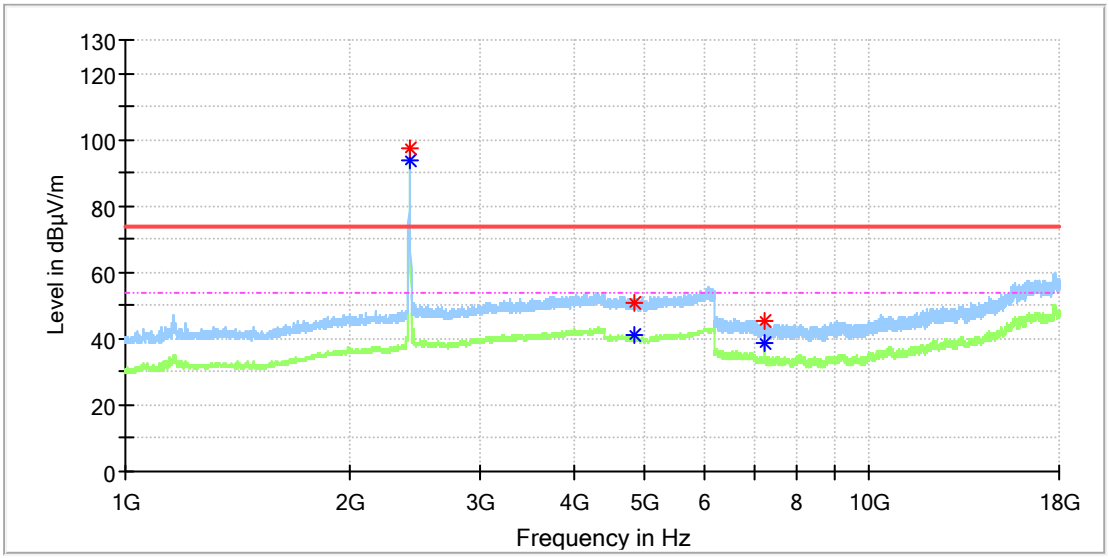


Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
49.303000	27.00	---	40.00	13.00	100.0	V	158.0	-18.6
56.335500	32.28	---	40.00	7.72	100.0	V	150.0	-18.9
259.987000	21.12	---	46.00	24.88	100.0	V	183.0	-17.5
331.476000	21.77	---	46.00	24.23	100.0	V	338.0	-15.7
845.285000	28.08	---	46.00	17.92	100.0	V	0.0	-6.0

EUT Information

EUT Name:	Silver Box
Model:	PU-1723
Test Mode:	TX_Low Channel
Test Voltage::	DC 12V
Remark:	Temp 23 Humi:47%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

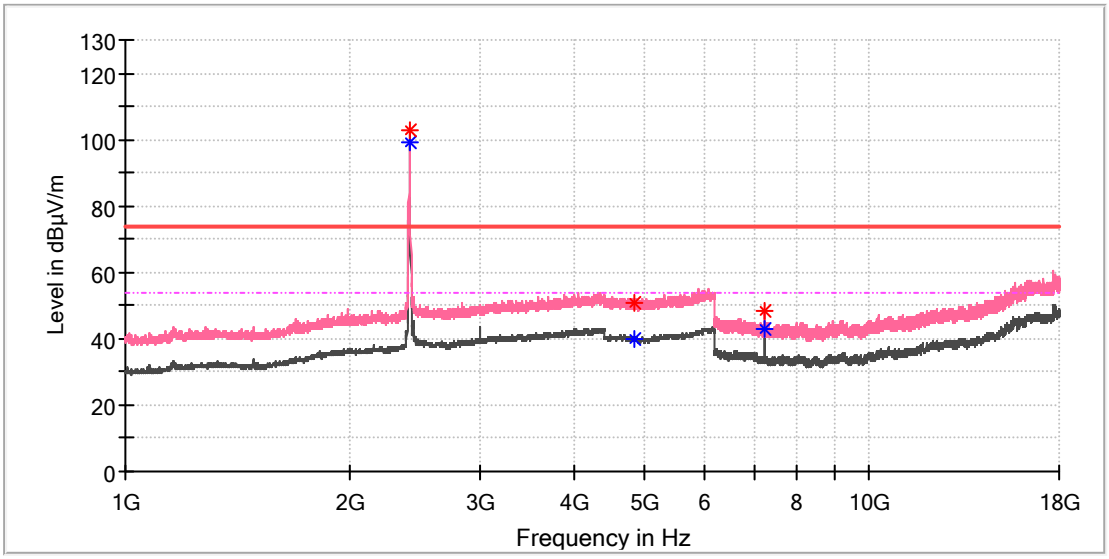


Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2413.000000	---	93.90	54.00	-39.90	100.0	H	284.0	7.1
2413.000000	97.37	---	74.00	-23.37	100.0	H	284.0	7.1
4823.500000	---	41.34	54.00	12.66	100.0	H	97.0	13.5
4823.500000	50.71	---	74.00	23.29	100.0	H	97.0	13.5
7234.958333	45.52	---	74.00	28.48	100.0	H	203.0	8.6
7236.433333	---	38.89	54.00	15.11	100.0	H	203.0	8.6

EUT Information

EUT Name:	Silver Box
Model:	PU-1723
Test Mode:	TX_Low Channel
Test Voltage::	DC 12V
Remark:	Temp 23 Humi:47%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

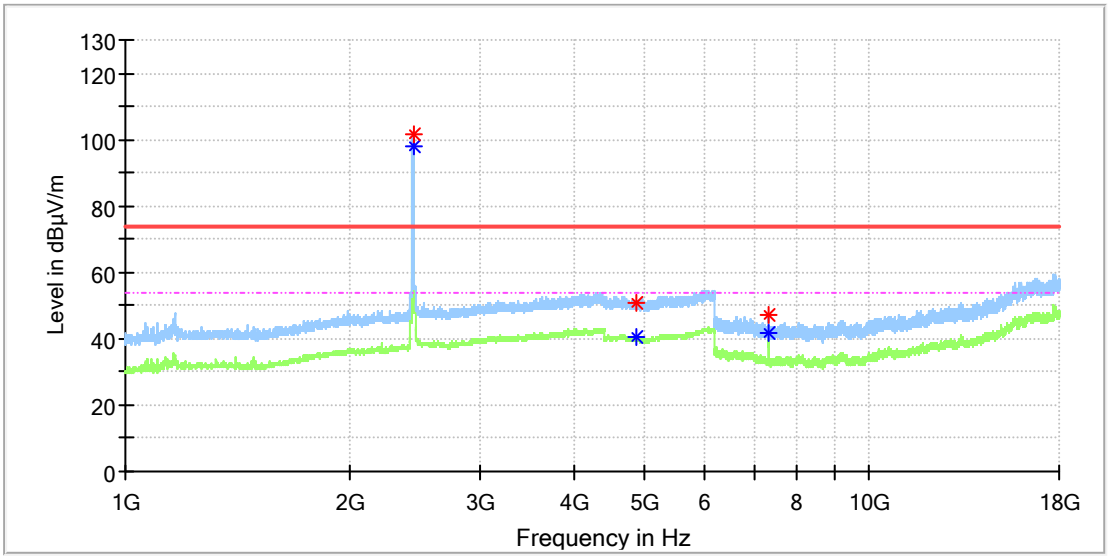


Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2411.000000	---	99.38	54.00	-45.38	100.0	V	92.0	7.1
2413.000000	102.69	---	74.00	-28.69	100.0	V	92.0	7.1
4826.000000	50.77	---	74.00	23.23	100.0	V	338.0	13.5
4827.500000	---	39.70	54.00	14.30	100.0	V	357.0	13.5
7236.433333	---	42.99	54.00	11.01	100.0	V	192.0	8.6
7237.908333	48.35	---	74.00	25.65	100.0	V	192.0	8.6

EUT Information

EUT Name:	Silver Box
Model:	PU-1723
Test Mode:	TX_Mid Channel
Test Voltage::	DC 12V
Remark:	Temp 23 Humi:47%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

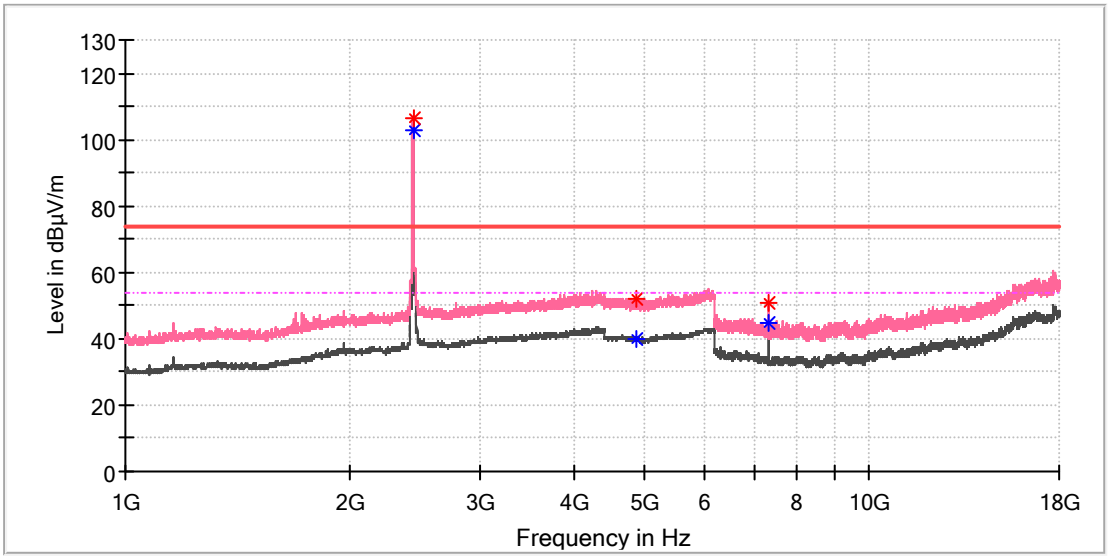


Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2438.000000	---	97.97	54.00	-43.97	100.0	H	40.0	7.4
2438.000000	101.31	---	74.00	-27.31	100.0	H	40.0	7.4
4874.000000	50.71	---	74.00	23.29	100.0	H	127.0	13.4
4876.500000	---	40.25	54.00	13.75	100.0	H	197.0	13.4
7311.658333	---	41.62	54.00	12.38	100.0	H	254.0	8.2
7311.658333	46.95	---	74.00	27.05	100.0	H	254.0	8.2

EUT Information

EUT Name:	Silver Box
Model:	PU-1723
Test Mode:	TX_Mid Channel
Test Voltage::	DC 12V
Remark:	Temp 23 Humi:47%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

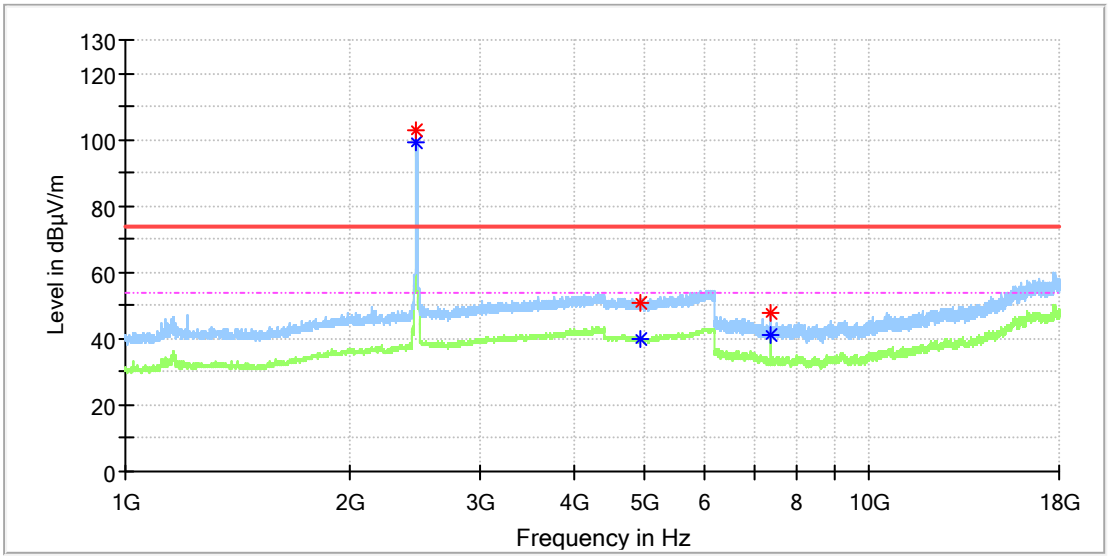


Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2438.000000	---	102.78	54.00	-48.78	100.0	V	65.0	7.4
2438.000000	106.20	---	74.00	-32.20	100.0	V	65.0	7.4
4870.000000	---	40.14	54.00	13.86	100.0	V	32.0	13.4
4871.000000	51.95	---	74.00	22.05	100.0	V	70.0	13.4
7309.200000	50.56	---	74.00	23.44	100.0	V	187.0	8.2
7311.658333	---	45.02	54.00	8.98	100.0	V	187.0	8.2

EUT Information

EUT Name:	Silver Box
Model:	PU-1723
Test Mode:	TX_High Channel
Test Voltage::	DC 12V
Remark:	Temp 23 Humi:47%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

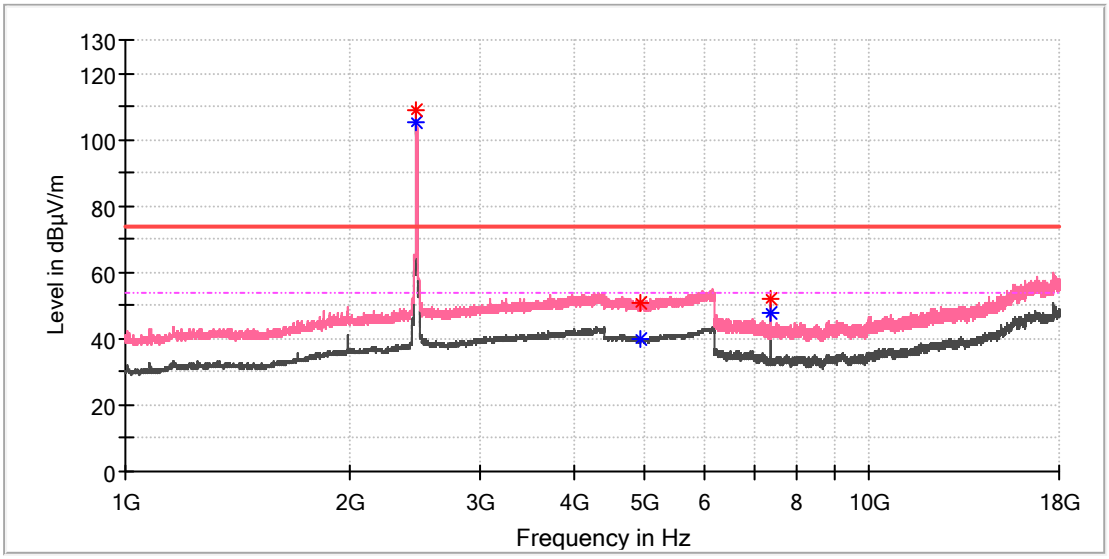


Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2463.000000	102.85	---	74.00	-28.85	100.0	H	321.0	7.4
2463.000000	---	99.42	54.00	-45.42	100.0	H	321.0	7.4
4924.000000	50.98	---	74.00	23.02	100.0	H	351.0	13.3
4925.500000	---	39.89	54.00	14.11	100.0	H	355.0	13.3
7385.408333	47.84	---	74.00	26.16	100.0	H	215.0	8.2
7386.883333	---	41.33	54.00	12.67	100.0	H	215.0	8.2

EUT Information

EUT Name:	Silver Box
Model:	PU-1723
Test Mode:	TX_High Channel
Test Voltage::	DC 12V
Remark:	Temp 23 Humi:47%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



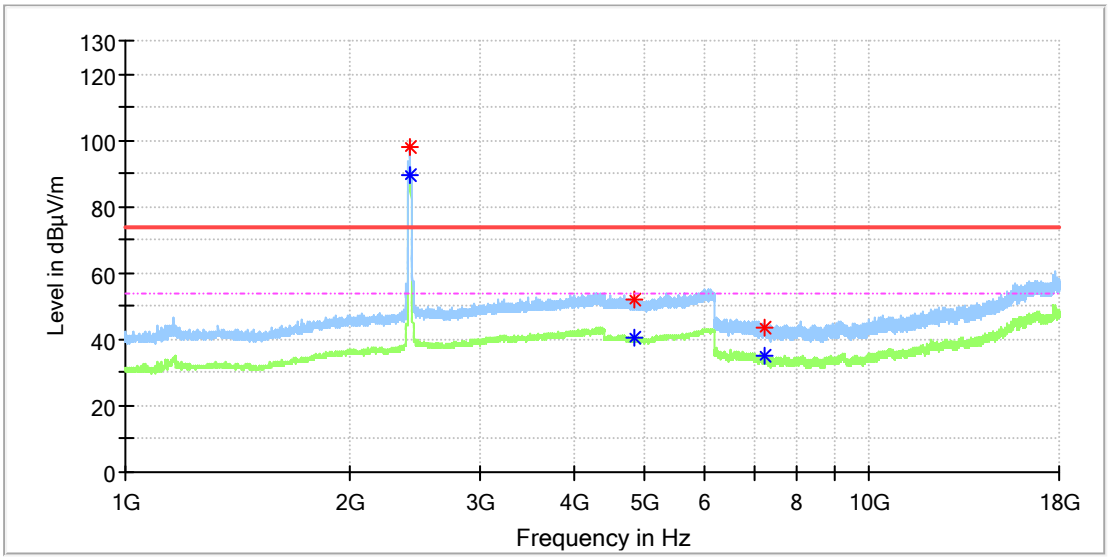
Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2463.000000	---	105.25	54.00	-51.25	100.0	V	75.0	7.4
2463.000000	108.82	---	74.00	-34.82	100.0	V	75.0	7.4
4924.000000	---	39.97	54.00	14.03	100.0	V	336.0	13.3
4926.000000	50.87	---	74.00	23.13	100.0	V	47.0	13.3
7384.916667	---	47.65	54.00	6.35	100.0	V	193.0	8.2
7385.900000	52.20	---	74.00	21.80	100.0	V	193.0	8.2

Wi-Fi 802.11 g mode, 6 Mbps

EUT Information

EUT Name:	Silver Box
Model:	PU-1723
Test Mode:	TX_Low Channel
Test Voltage::	DC 12V
Remark:	Temp 23 Humi:47%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

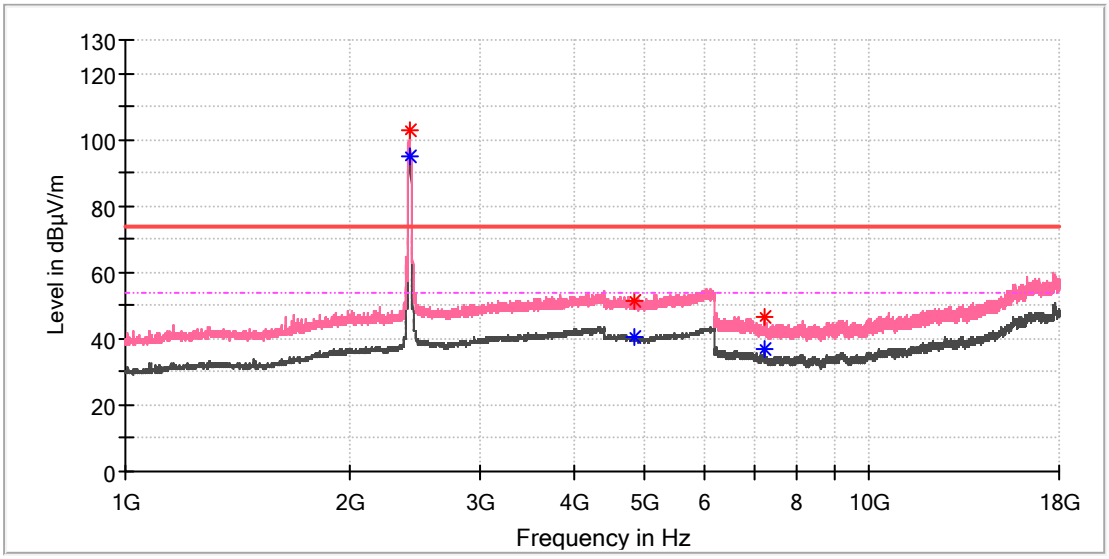


Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2411.000000	97.97	---	74.00	-23.97	100.0	H	31.0	7.1
2411.500000	---	89.49	54.00	-35.49	100.0	H	175.0	7.1
4825.000000	---	40.34	54.00	13.66	100.0	H	27.0	13.5
4829.500000	52.04	---	74.00	21.96	100.0	H	0.0	13.5
7226.108333	---	34.78	54.00	19.22	100.0	H	284.0	8.7
7232.991667	43.72	---	74.00	30.28	100.0	H	284.0	8.6

EUT Information

EUT Name:	Silver Box
Model:	PU-1723
Test Mode:	TX_Low Channel
Test Voltage::	DC 12V
Remark:	Temp 23 Humi:47%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

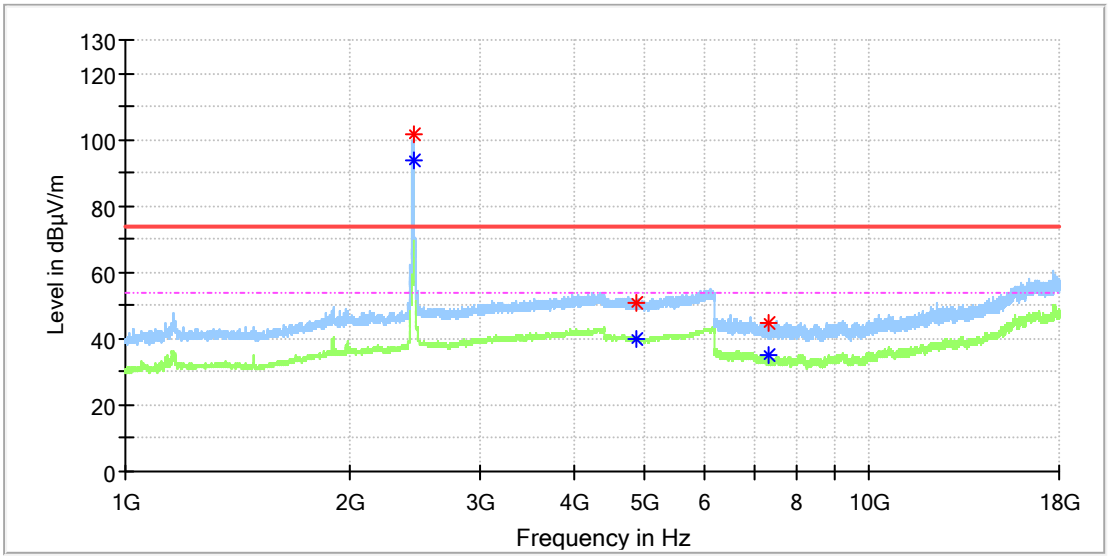


Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2411.500000	102.82	---	74.00	-28.82	100.0	V	75.0	7.1
2413.500000	---	94.91	54.00	-40.91	100.0	V	59.0	7.1
4823.500000	---	40.24	54.00	13.76	100.0	V	112.0	13.5
4825.000000	51.30	---	74.00	22.70	100.0	V	132.0	13.5
7226.600000	46.60	---	74.00	27.40	100.0	V	5.0	8.7
7239.383333	---	36.92	54.00	17.08	100.0	V	171.0	8.6

EUT Information

EUT Name:	Silver Box
Model:	PU-1723
Test Mode:	TX_Mid Channel
Test Voltage::	DC 12V
Remark:	Temp 23 Humi:47%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

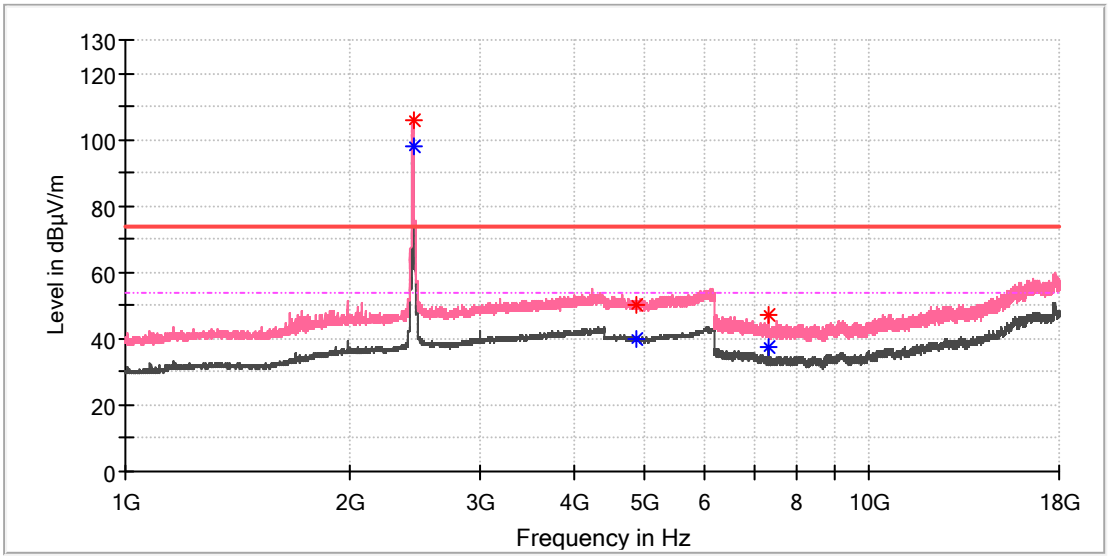


Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2437.500000	---	93.45	54.00	-39.45	100.0	H	41.0	7.4
2438.500000	101.64	---	74.00	-27.64	100.0	H	41.0	7.4
4876.500000	---	39.73	54.00	14.27	100.0	H	222.0	13.4
4878.000000	50.89	---	74.00	23.11	100.0	H	346.0	13.4
7314.608333	44.54	---	74.00	29.46	100.0	H	215.0	8.2
7315.591667	---	35.26	54.00	18.74	100.0	H	235.0	8.2

EUT Information

EUT Name:	Silver Box
Model:	PU-1723
Test Mode:	TX_Mid Channel
Test Voltage::	DC 12V
Remark:	Temp 23 Humi:47%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

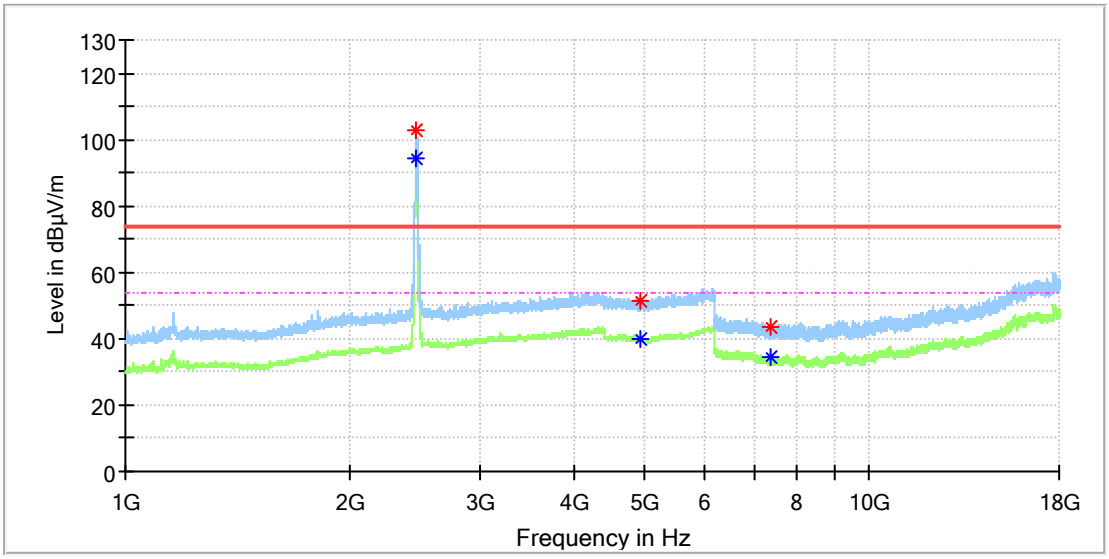


Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2438.000000	---	98.00	54.00	-44.00	100.0	V	65.0	7.4
2439.000000	105.61	---	74.00	-31.61	100.0	V	91.0	7.4
4871.500000	---	40.20	54.00	13.80	100.0	V	148.0	13.4
4873.000000	50.48	---	74.00	23.52	100.0	V	176.0	13.4
7311.658333	---	37.52	54.00	16.48	100.0	V	22.0	8.2
7318.050000	46.89	---	74.00	27.11	100.0	V	196.0	8.2

EUT Information

EUT Name:	Silver Box
Model:	PU-1723
Test Mode:	TX_High Channel
Test Voltage::	DC 12V
Remark:	Temp 23 Humi:47%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

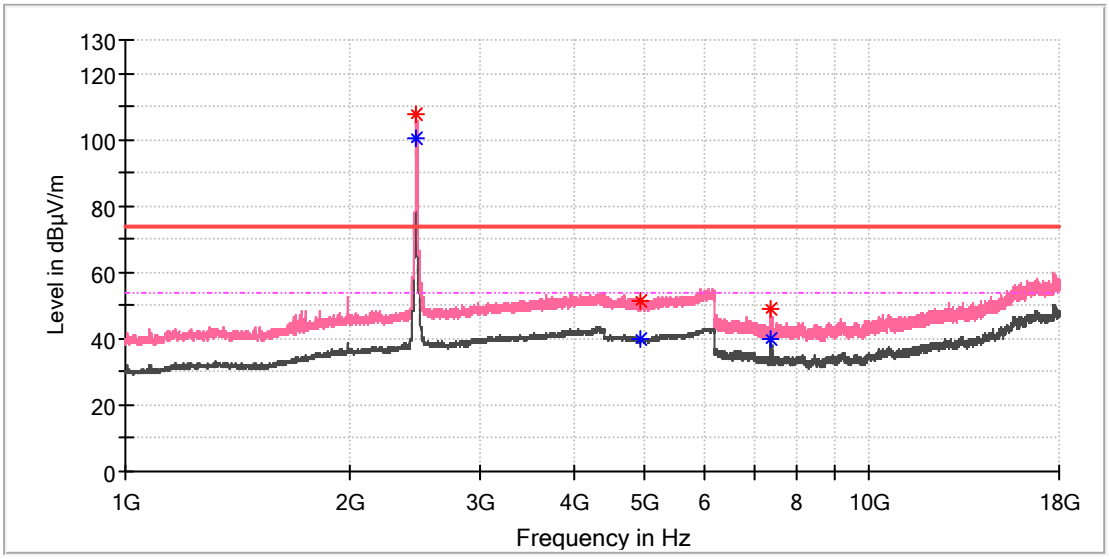


Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2462.500000	---	94.30	54.00	-40.30	100.0	H	349.0	7.4
2463.000000	102.70	---	74.00	-28.70	100.0	H	349.0	7.4
4920.500000	---	39.99	54.00	14.01	100.0	H	275.0	13.3
4921.500000	51.34	---	74.00	22.66	100.0	H	48.0	13.3
7383.933333	43.33	---	74.00	30.67	100.0	H	279.0	8.2
7384.425000	---	34.70	54.00	19.30	100.0	H	240.0	8.2

EUT Information

EUT Name:	Silver Box
Model:	PU-1723
Test Mode:	TX_High Channel
Test Voltage::	DC 12V
Remark:	Temp 23 Humi:47%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



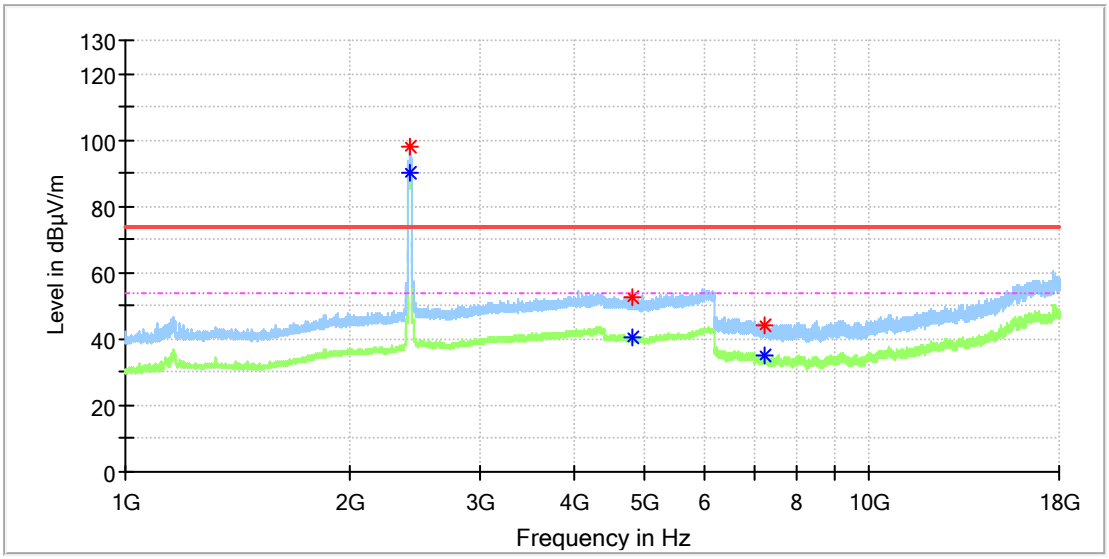
Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2461.000000	---	100.21	54.00	-46.21	100.0	V	66.0	7.5
2462.500000	107.60	---	74.00	-33.60	100.0	V	66.0	7.4
4924.500000	---	39.99	54.00	14.01	100.0	V	46.0	13.3
4927.500000	51.29	---	74.00	22.71	100.0	V	64.0	13.3
7382.458333	---	40.03	54.00	13.97	100.0	V	193.0	8.2
7384.425000	48.80	---	74.00	25.20	100.0	V	193.0	8.2

Wi-Fi 802.11 n(HT20) mode, MCS0

EUT Information

EUT Name:	Silver Box
Model:	PU-1723
Test Mode:	TX_Low Channel
Test Voltage::	DC 12V
Remark:	Temp 23 Humi:47%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

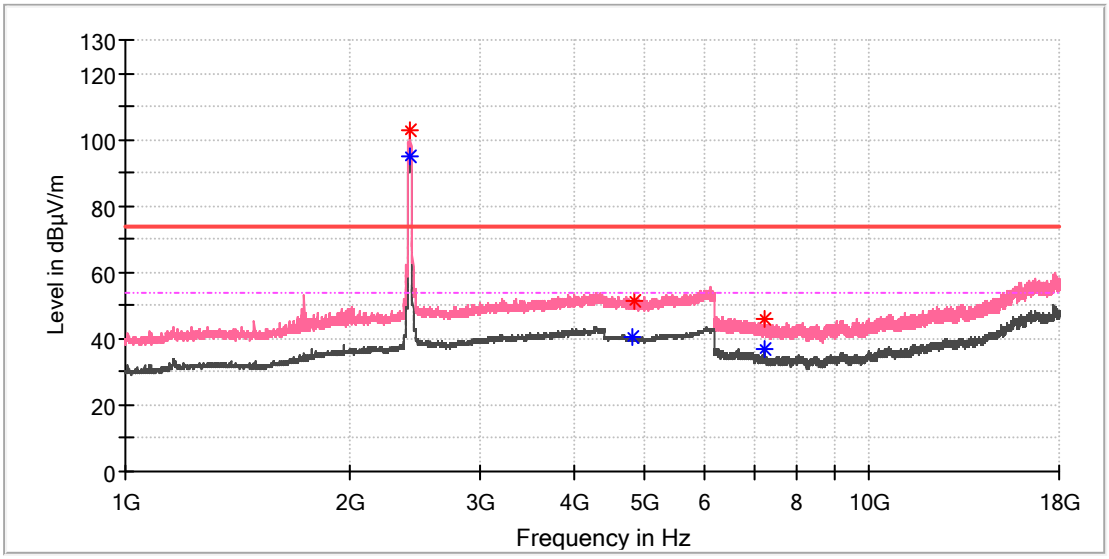


Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2412.500000	---	89.99	54.00	-35.99	100.0	H	321.0	7.1
2413.500000	98.24	---	74.00	-24.24	100.0	H	34.0	7.1
4816.500000	52.79	---	74.00	21.21	100.0	H	313.0	13.5
4817.500000	---	40.67	54.00	13.33	100.0	H	276.0	13.5
7234.466667	---	35.01	54.00	18.99	100.0	H	16.0	8.6
7237.908333	44.19	---	74.00	29.81	100.0	H	16.0	8.6

EUT Information

EUT Name:	Silver Box
Model:	PU-1723
Test Mode:	TX_Low Channel
Test Voltage::	DC 12V
Remark:	Temp 23 Humi:47%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

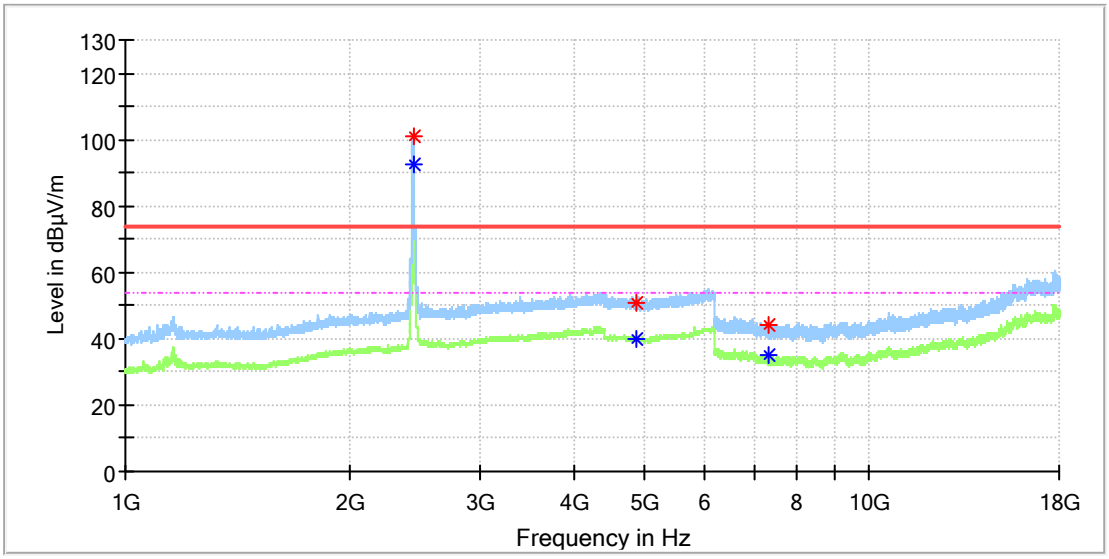


Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2411.000000	102.62	---	74.00	-28.62	100.0	V	133.0	7.1
2411.000000	---	94.68	54.00	-40.68	100.0	V	133.0	7.1
4817.000000	---	40.30	54.00	13.70	100.0	V	1.0	13.5
4818.500000	51.26	---	74.00	22.74	100.0	V	113.0	13.5
7232.991667	45.92	---	74.00	28.08	100.0	V	174.0	8.6
7240.366667	---	36.86	54.00	17.14	100.0	V	193.0	8.6

EUT Information

EUT Name:	Silver Box
Model:	PU-1723
Test Mode:	TX_Mid Channel
Test Voltage::	DC 12V
Remark:	Temp 23 Humi:47%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

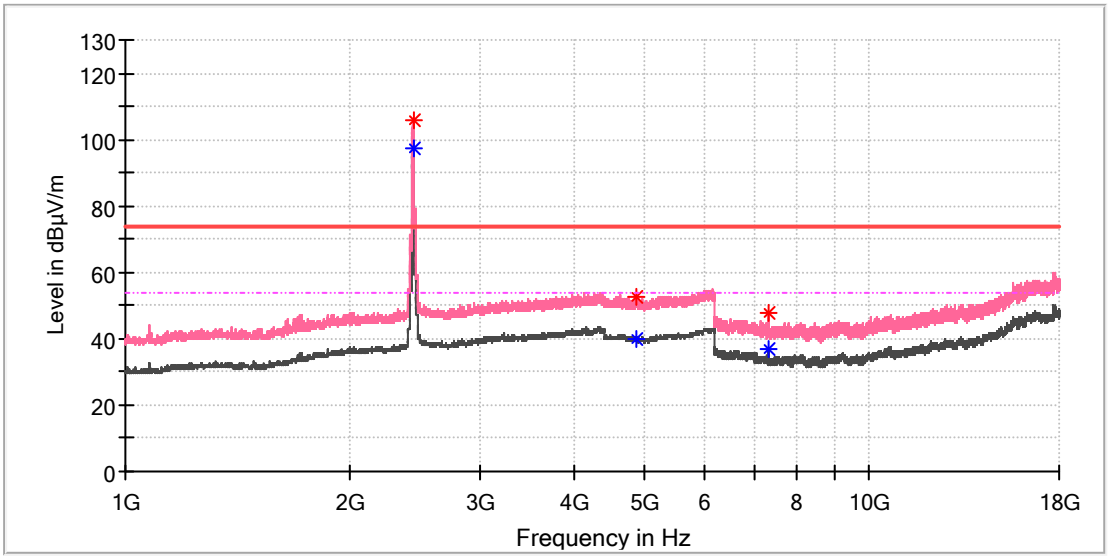


Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2436.000000	100.73	---	74.00	-26.73	100.0	H	99.0	7.3
2438.500000	---	92.57	54.00	-38.57	100.0	H	39.0	7.4
4870.500000	50.98	---	74.00	23.02	100.0	H	82.0	13.4
4874.000000	---	40.00	54.00	14.00	100.0	H	2.0	13.4
7311.166667	---	35.32	54.00	18.68	100.0	H	327.0	8.2
7313.625000	43.85	---	74.00	30.15	100.0	H	193.0	8.2

EUT Information

EUT Name:	Silver Box
Model:	PU-1723
Test Mode:	TX_Mid Channel
Test Voltage::	DC 12V
Remark:	Temp 23 Humi:47%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

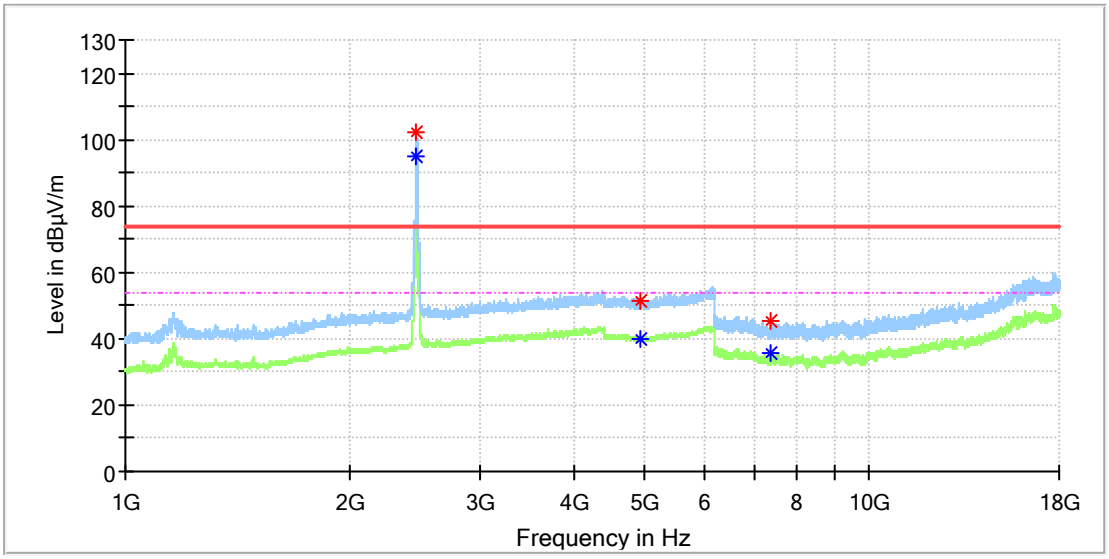


Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2435.500000	105.51	---	74.00	-31.51	100.0	V	75.0	7.3
2438.000000	---	97.63	54.00	-43.63	100.0	V	50.0	7.4
4868.000000	---	40.12	54.00	13.88	100.0	V	353.0	13.4
4869.000000	52.83	---	74.00	21.17	100.0	V	274.0	13.4
7310.183333	47.69	---	74.00	26.31	100.0	V	192.0	8.2
7315.591667	---	37.16	54.00	16.84	100.0	V	192.0	8.2

EUT Information

EUT Name:	Silver Box
Model:	PU-1723
Test Mode:	TX_High Channel
Test Voltage::	DC 12V
Remark:	Temp 23 Humi:47%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

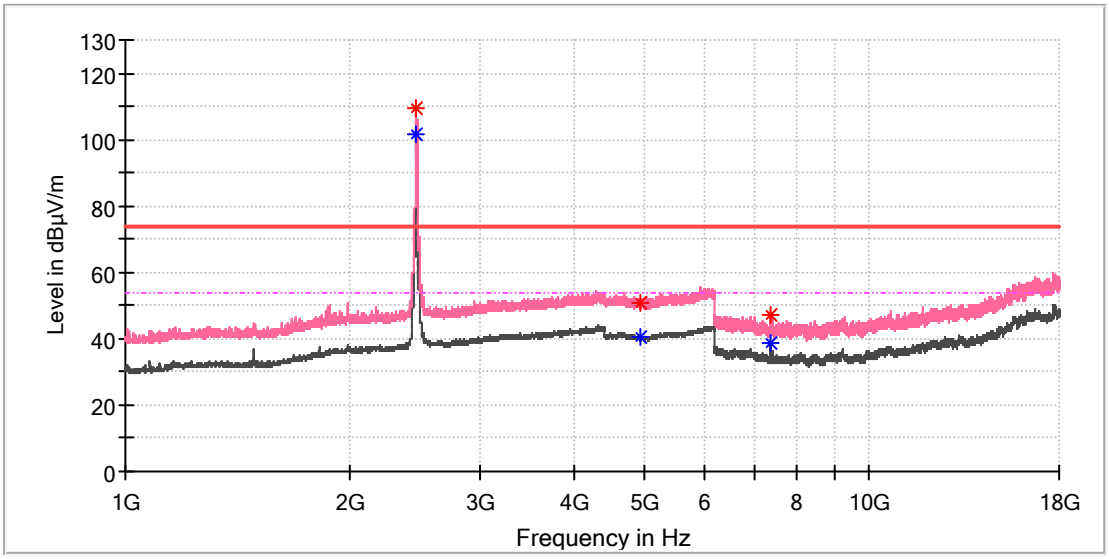


Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2463.000000	---	94.77	54.00	-40.77	100.0	H	349.0	7.4
2463.000000	102.48	---	74.00	-28.48	100.0	H	349.0	7.4
4924.000000	---	40.12	54.00	13.88	100.0	H	257.0	13.3
4926.500000	51.16	---	74.00	22.84	100.0	H	43.0	13.3
7383.441667	45.40	---	74.00	28.60	100.0	H	251.0	8.2
7383.933333	---	35.39	54.00	18.61	100.0	H	251.0	8.2

EUT Information

EUT Name:	Silver Box
Model:	PU-1723
Test Mode:	TX_High Channel
Test Voltage::	DC 12V
Remark:	Temp 23 Humi:47%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

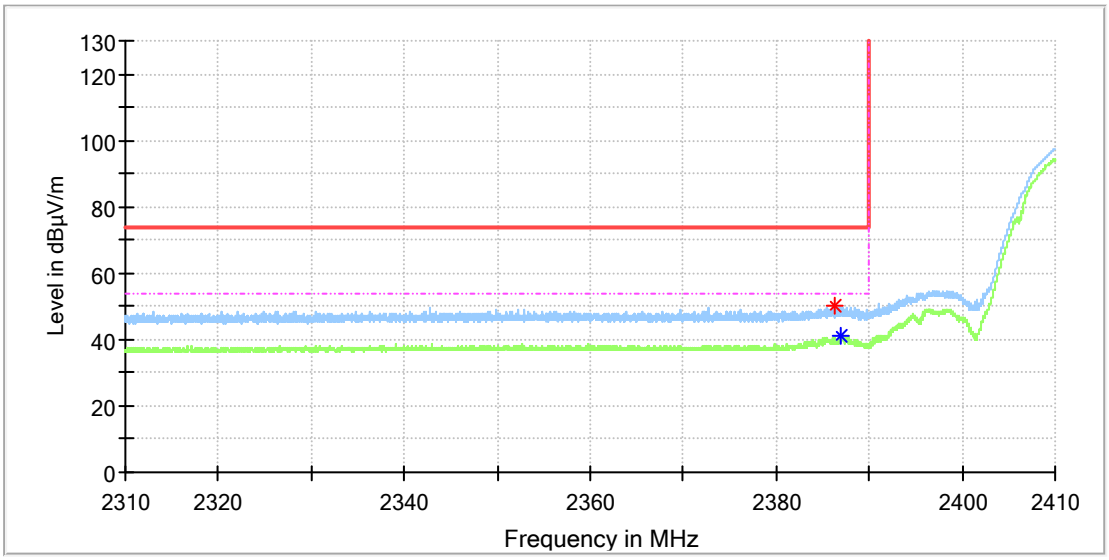
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2462.500000	---	101.49	54.00	-47.49	100.0	V	75.0	7.4
2463.500000	109.26	---	74.00	-35.26	100.0	V	75.0	7.4
4926.000000	---	40.78	54.00	13.22	100.0	V	332.0	13.3
4926.000000	50.49	---	74.00	23.51	100.0	V	332.0	13.3
7383.441667	47.22	---	74.00	26.78	100.0	V	14.0	8.2
7388.850000	---	38.84	54.00	15.16	100.0	V	189.0	8.2

Appendix C.5: Test Plots of Band Edge (Radiated)

Wi-Fi 802.11 b mode, 1 Mbps

EUT Information

EUT Name:	Silver Box
Model:	PU-1723
Test Mode:	TX_Low Channel
Test Voltage::	DC 12V
Remark:	Temp 23 Humi:47%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

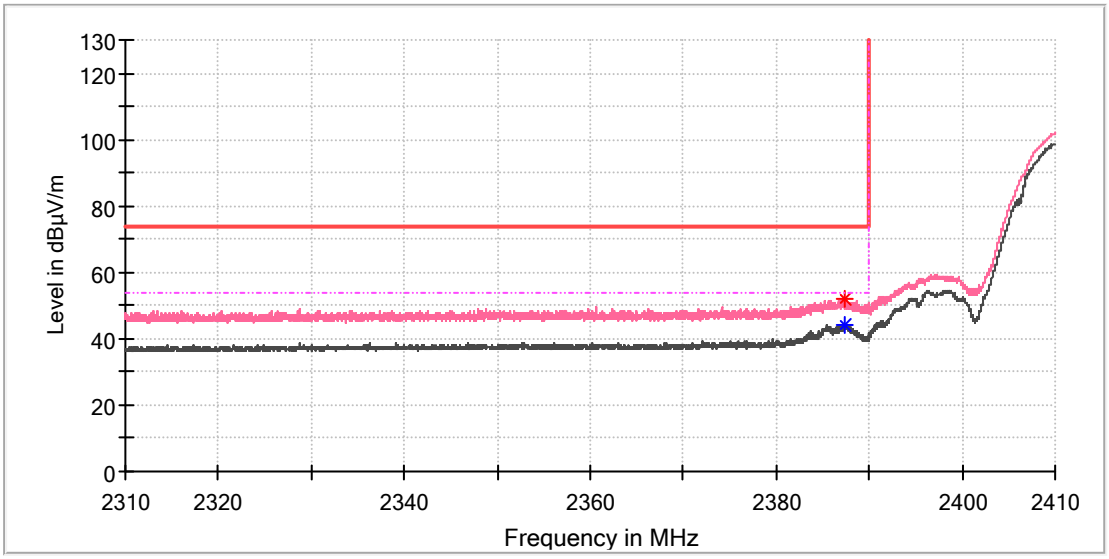


Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2386.367647	50.07	---	74.00	23.93	100.0	H	8.0	7.0
2386.911765	---	40.96	54.00	13.04	100.0	H	28.0	7.0

EUT Information

EUT Name:	Silver Box
Model:	PU-1723
Test Mode:	TX_Low Channel
Test Voltage::	DC 12V
Remark:	Temp 23 Humi:47%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

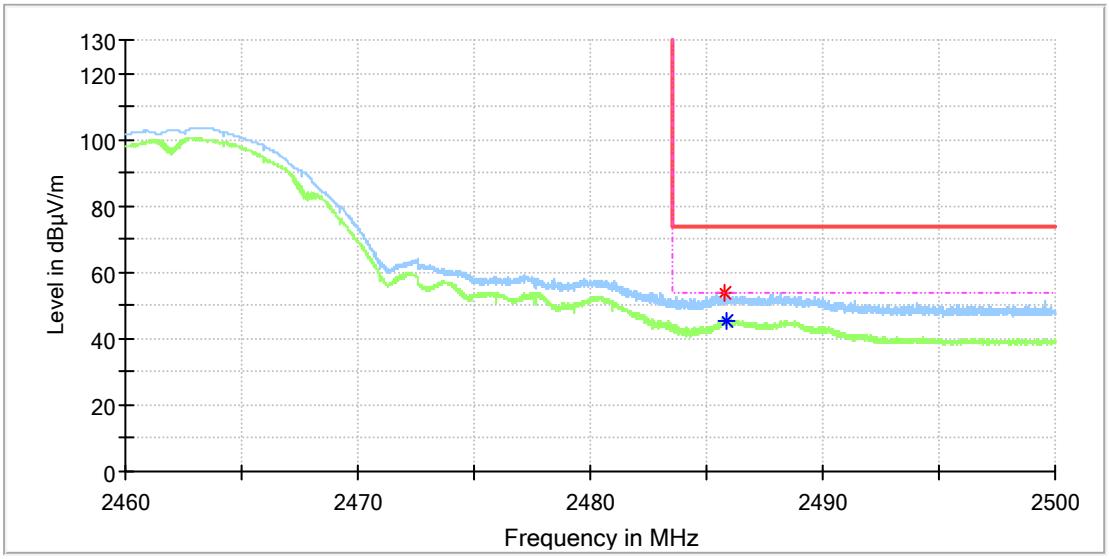


Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2387.367647	---	43.84	54.00	10.16	100.0	V	135.0	7.0
2387.411765	52.26	---	74.00	21.74	100.0	V	135.0	7.0

EUT Information

EUT Name:	Silver Box
Model:	PU-1723
Test Mode:	TX_High Channel
Test Voltage::	DC 12V
Remark:	Temp 23 Humi:47%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

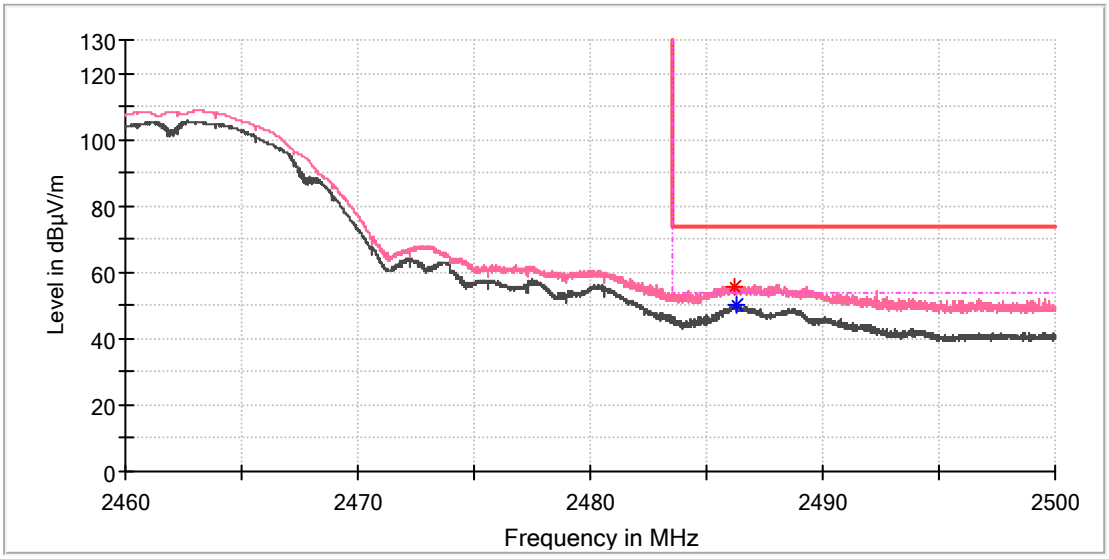


Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2485.817647	53.83	---	74.00	20.17	100.0	H	351.0	7.4
2485.870588	---	45.62	54.00	8.38	100.0	H	351.0	7.4

EUT Information

EUT Name:	Silver Box
Model:	PU-1723
Test Mode:	TX_High Channel
Test Voltage::	DC 12V
Remark:	Temp 23 Humi:47%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



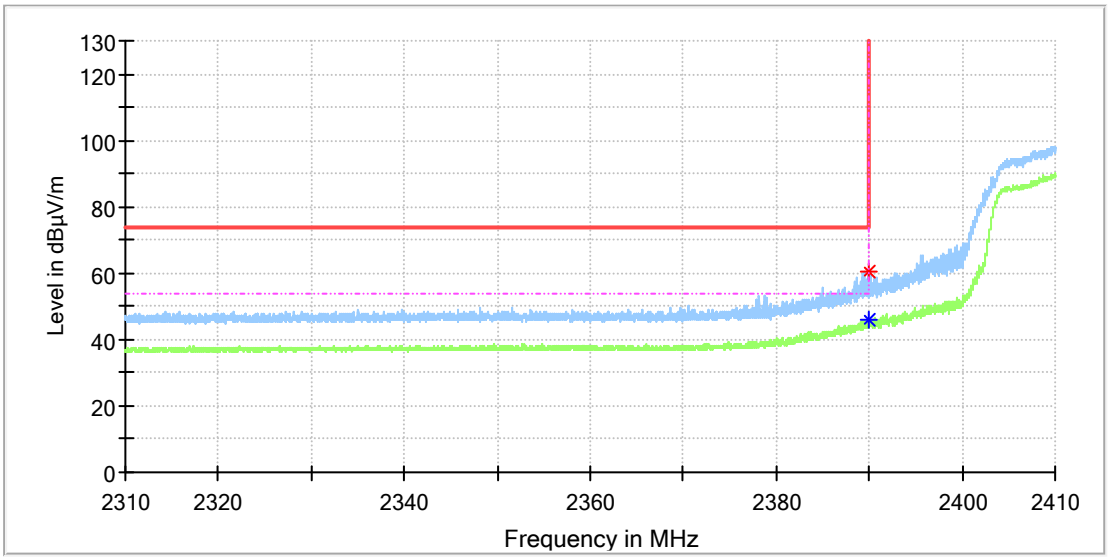
Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2486.211765	55.73	---	74.00	18.27	100.0	V	70.0	7.4
2486.294118	---	50.30	54.00	3.70	100.0	V	70.0	7.4

Wi-Fi 802.11 g mode, 6 Mbps

EUT Information

EUT Name:	Silver Box
Model:	PU-1723
Test Mode:	TX_Low Channel
Test Voltage::	DC 12V
Remark:	Temp 23 Humi:47%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

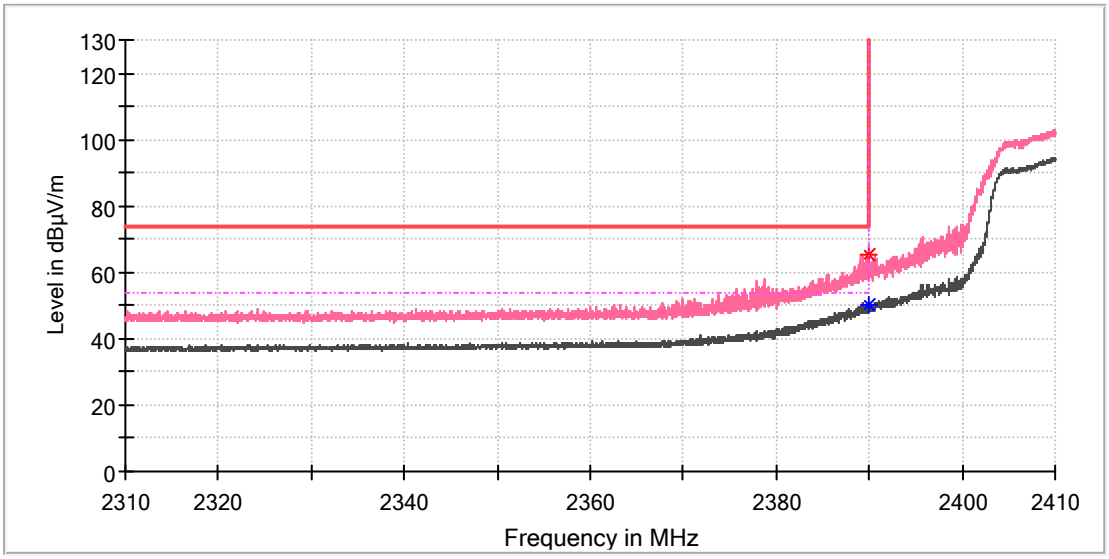


Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2389.941177	---	46.24	54.00	7.76	100.0	H	322.0	7.0
2389.941177	60.45	---	74.00	13.56	100.0	H	322.0	7.0

EUT Information

EUT Name:	Silver Box
Model:	PU-1723
Test Mode:	TX_Low Channel
Test Voltage::	DC 12V
Remark:	Temp 23 Humi:47%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

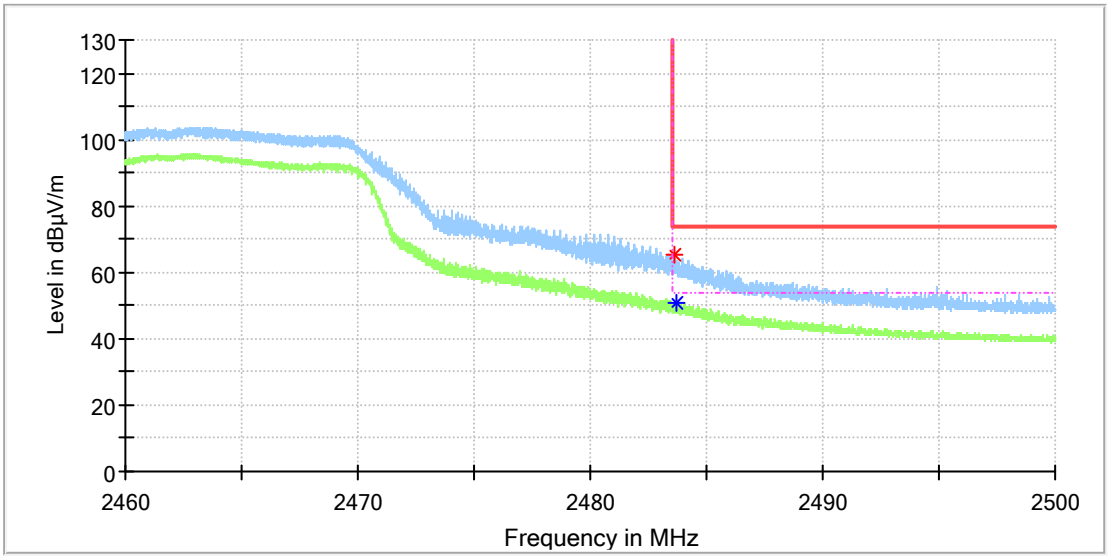


Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2389.897059	---	50.35	54.00	3.66	100.0	V	130.0	7.0
2389.897059	65.47	---	74.00	8.53	100.0	V	130.0	7.0

EUT Information

EUT Name:	Silver Box
Model:	PU-1723
Test Mode:	TX_High Channel
Test Voltage::	DC 12V
Remark:	Temp 23 Humi:47%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

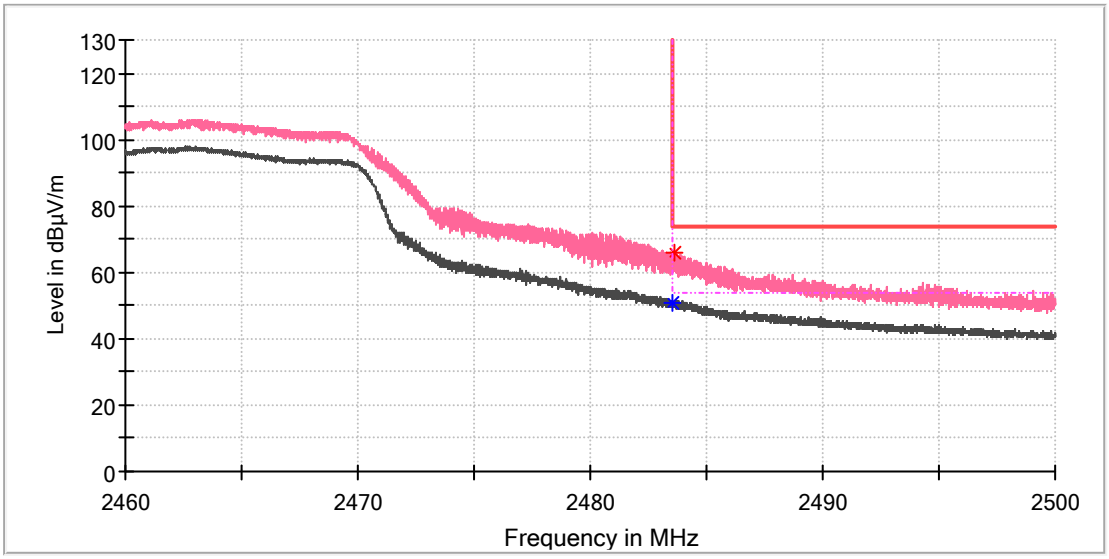


Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2483.629412	65.13	---	74.00	8.87	100.0	H	351.0	7.4
2483.717647	---	50.74	54.00	3.26	100.0	H	351.0	7.4

EUT Information

EUT Name:	Silver Box
Model:	PU-1723
Test Mode:	TX_High Channel
Test Voltage::	DC 12V
Remark:	Temp 23 Humi:47%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



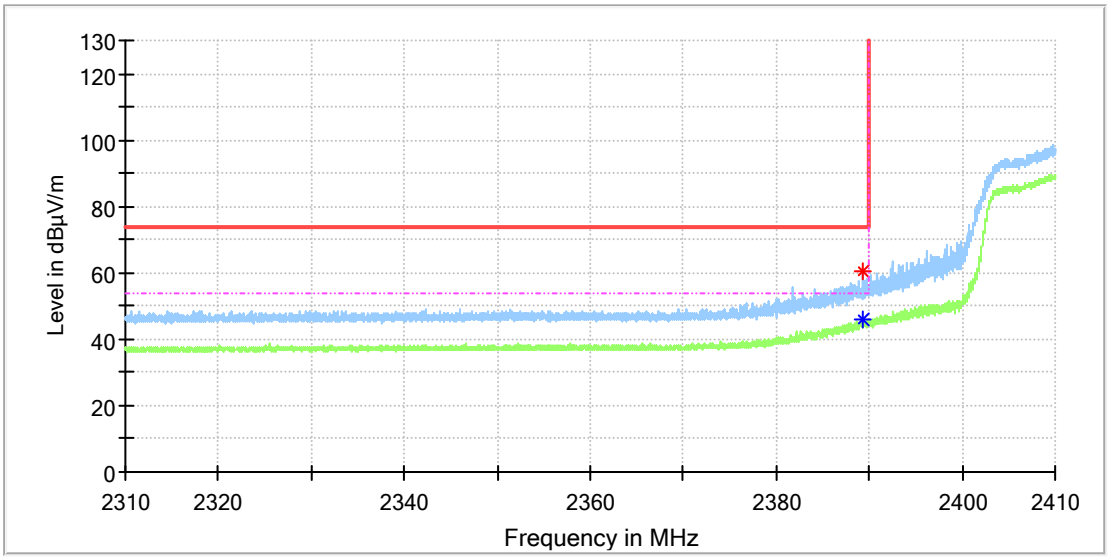
Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2483.529412	---	50.82	54.00	3.18	100.0	V	43.0	7.4
2483.600000	66.20	---	74.00	7.80	100.0	V	50.0	7.4

Wi-Fi 802.11 n(HT20) mode, MCS0

EUT Information

EUT Name:	Silver Box
Model:	PU-1723
Test Mode:	TX_Low Channel
Test Voltage::	DC 12V
Remark:	Temp 23 Humi:47%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

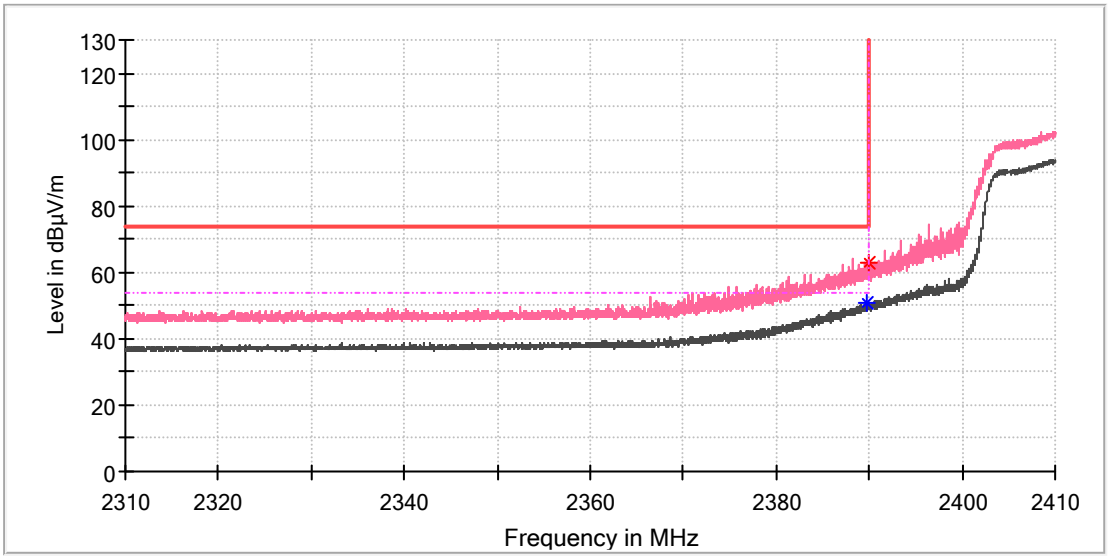


Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2389.338235	60.45	---	74.00	13.55	100.0	H	318.0	7.0
2389.367647	---	45.67	54.00	8.33	100.0	H	26.0	7.0

EUT Information

EUT Name:	Silver Box
Model:	PU-1723
Test Mode:	TX_Low Channel
Test Voltage::	DC 12V
Remark:	Temp 23 Humi:47%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

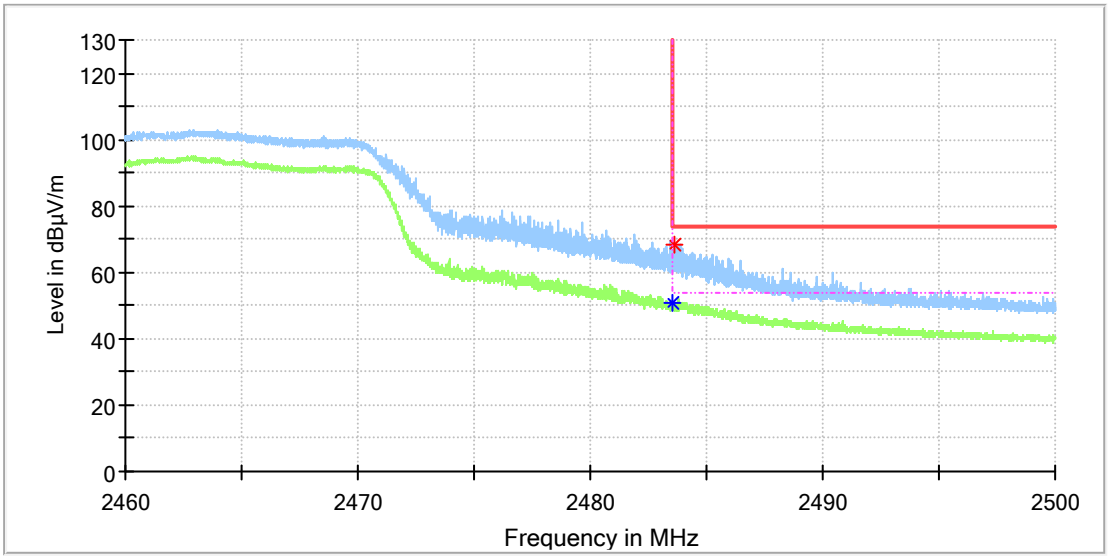


Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2389.735294	---	50.76	54.00	3.24	100.0	V	73.0	7.0
2389.897059	63.06	---	74.00	10.94	100.0	V	73.0	7.0

EUT Information

EUT Name:	Silver Box
Model:	PU-1723
Test Mode:	TX_High Channel
Test Voltage::	DC 12V
Remark:	Temp 23 Humi:47%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

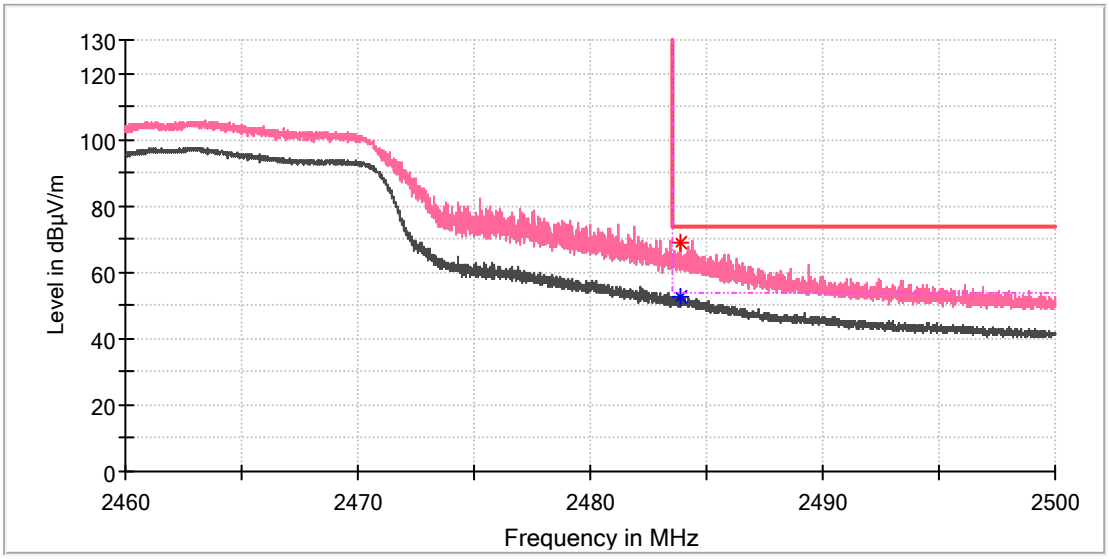


Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2483.523530	---	50.94	54.00	3.06	100.0	H	336.0	7.4
2483.582353	68.33	---	74.00	5.67	100.0	H	356.0	7.4

EUT Information

EUT Name:	Silver Box
Model:	PU-1723
Test Mode:	TX_High Channel
Test Voltage::	DC 12V
Remark:	Temp 23 Humi:47%
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)
2483.870588	---	51.76	54.00	2.24	100.0	V	60.0	7.4
2483.870588	69.18	---	74.00	4.82	100.0	V	60.0	7.4