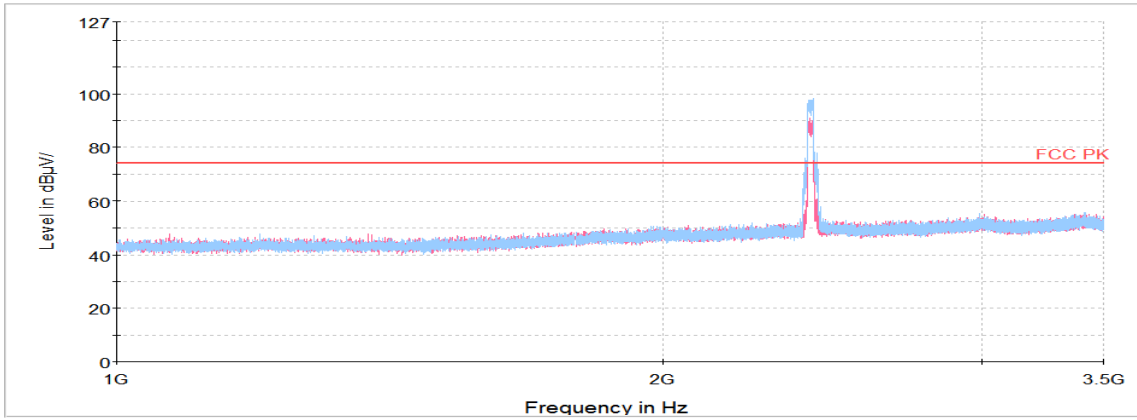
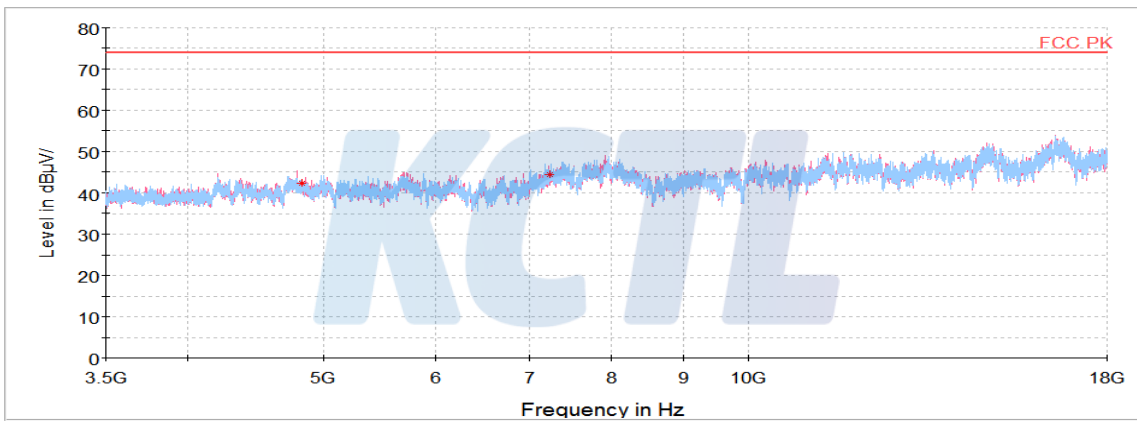


Horizontal/Vertical for 1 GHz ~ 3.5 GHz



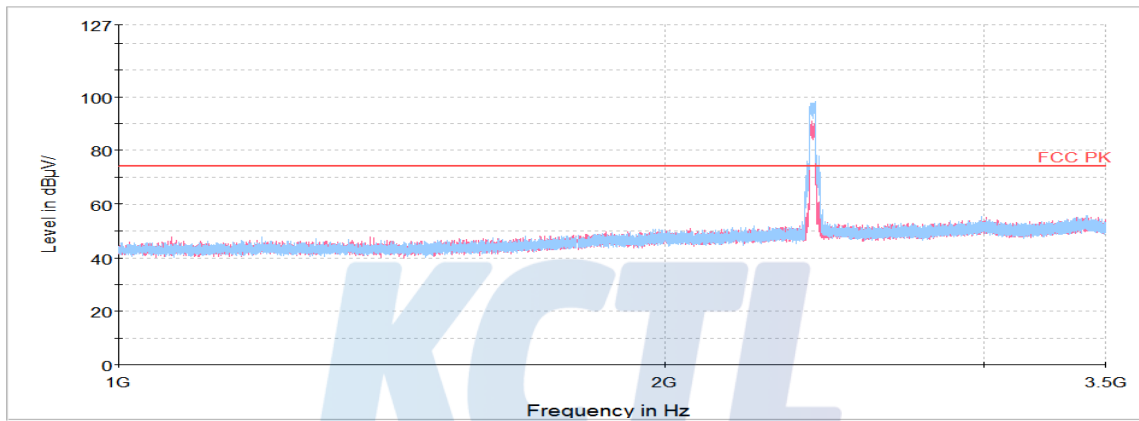
Horizontal/Vertical for 3.5 GHz ~ 18 GHz



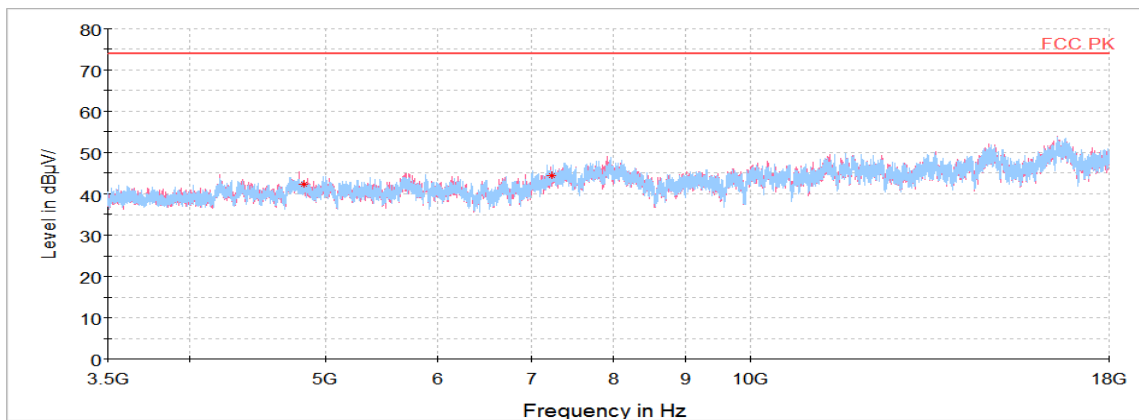
802.11n HT20_2 437 MHz

Frequency (MHz)	Pol. (V/H)	Reading (dB(μV))	Ant. Factor (dB)	Amp. + Cable (dB)	DCF (dB)	Result (dB(μV/m))	Limit (dB(μV/m))	Margin (dB)
Peak data								
4 873.88 ¹⁾	H	62.71	33.95	-54.99	-	41.67	74.00	32.33
7 311.23 ¹⁾	H	61.84	35.40	-52.69	-	44.55	74.00	29.45
Average Data								
No spurious emissions were detected within 20 dB of the limit.								

Horizontal/Vertical for 1 GHz ~ 3.5 GHz



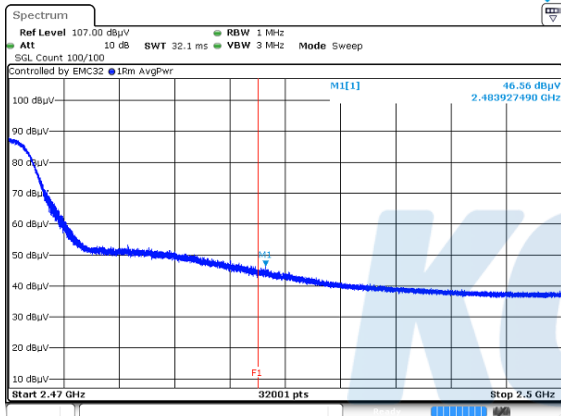
Horizontal/Vertical for 3.5 GHz ~ 18 GHz



802.11n HT20_2 462 MHz

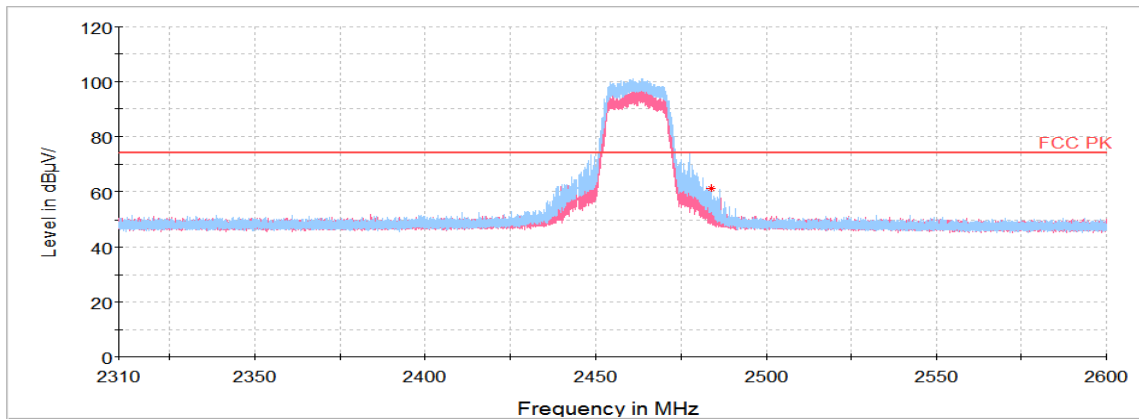
Frequency	Pol.	Reading	Ant. Factor	Amp. + Cable	DCF	Result	Limit	Margin
(MHz)	(V/H)	(dB(μV))	(dB)	(dB)	(dB)	(dB(μV/m))	(dB(μV/m))	(dB)
Peak data								
2 483.93 ¹⁾	H	58.17	32.07	-29.21	-	61.03	74.00	12.97
4 925.53 ¹⁾	V	62.00	33.97	-55.28	-	40.69	74.00	33.31
7 386.45 ¹⁾	V	61.80	35.40	-52.41	-	44.79	74.00	29.21
Average Data								
2 483.93 ¹⁾	H	46.56	32.07	-29.21	0.38	49.80	54.00	4.20

Average data

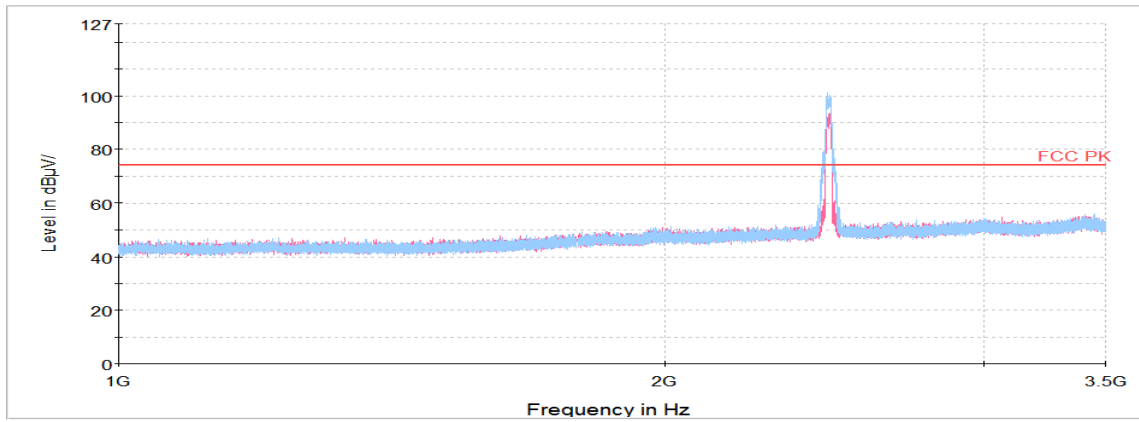


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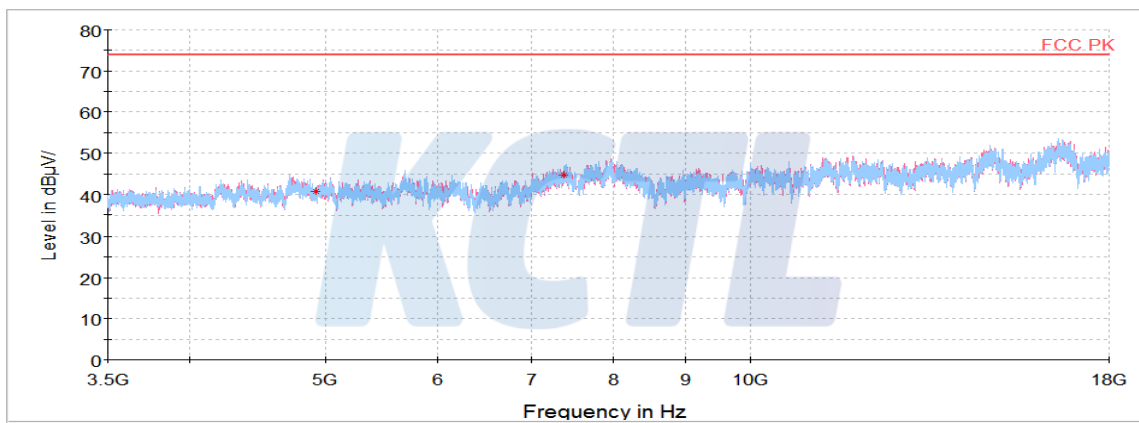
Horizontal/Vertical for Band-edge



Horizontal/Vertical for 1 GHz ~ 3.5 GHz



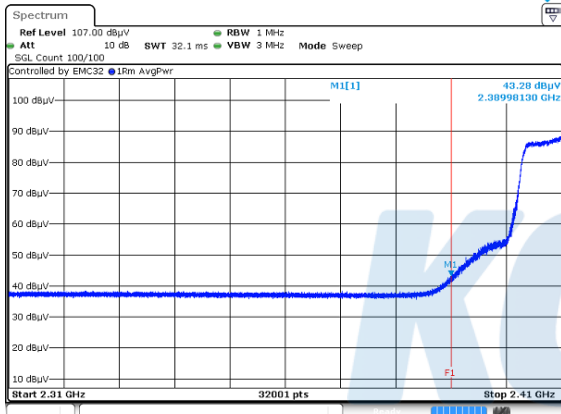
Horizontal/Vertical for 3.5 GHz ~ 18 GHz



802.11ac VHT20_2 412 MHz

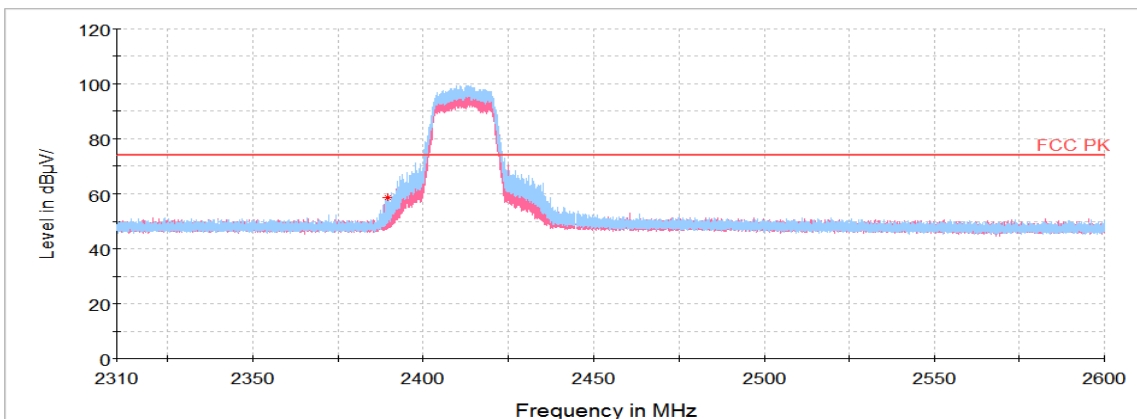
Frequency	Pol.	Reading	Ant. Factor	Amp. + Cable	DCF	Result	Limit	Margin
(MHz)	(V/H)	(dB(μV))	(dB)	(dB)	(dB)	(dB(μV/m))	(dB(μV/m))	(dB)
Peak data								
2 389.98 ¹⁾	V	55.49	31.88	-29.04	-	58.33	74.00	15.67
4 824.03 ¹⁾	V	62.18	33.93	-53.58	-	42.53	74.00	31.47
7 236.92	H	61.60	35.40	-52.97	-	44.03	74.00	29.97
Average Data								
2 389.98 ¹⁾	H	43.28	31.88	-29.04	0.40	46.52	54.00	7.48

Average data

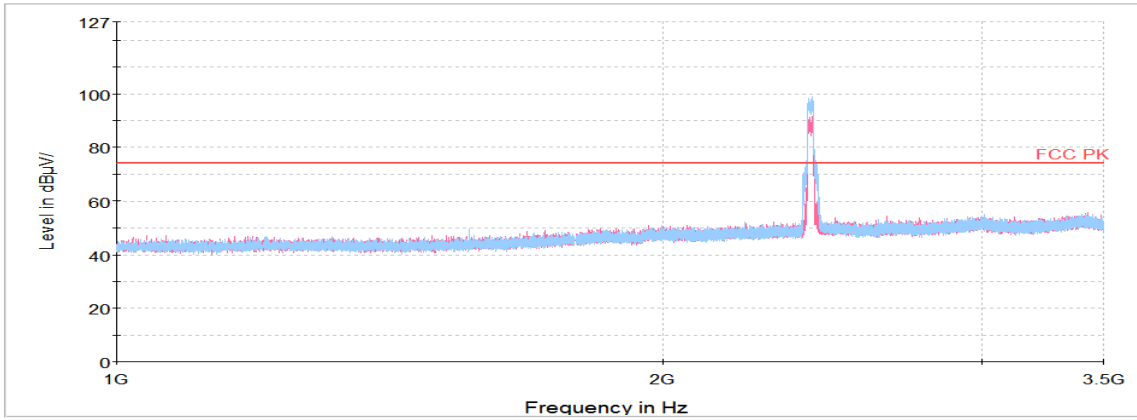


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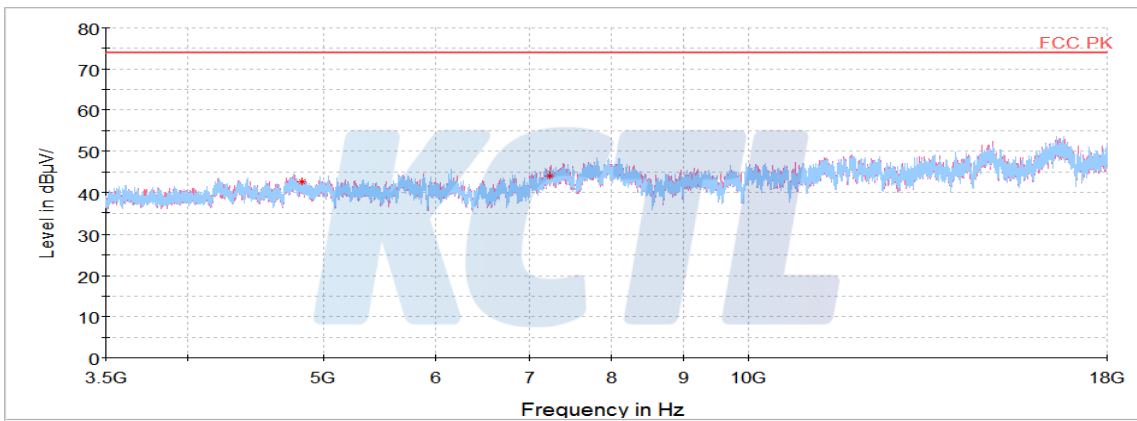
Horizontal/Vertical for Band-edge



Horizontal/Vertical for 1 GHz ~ 3.5 GHz



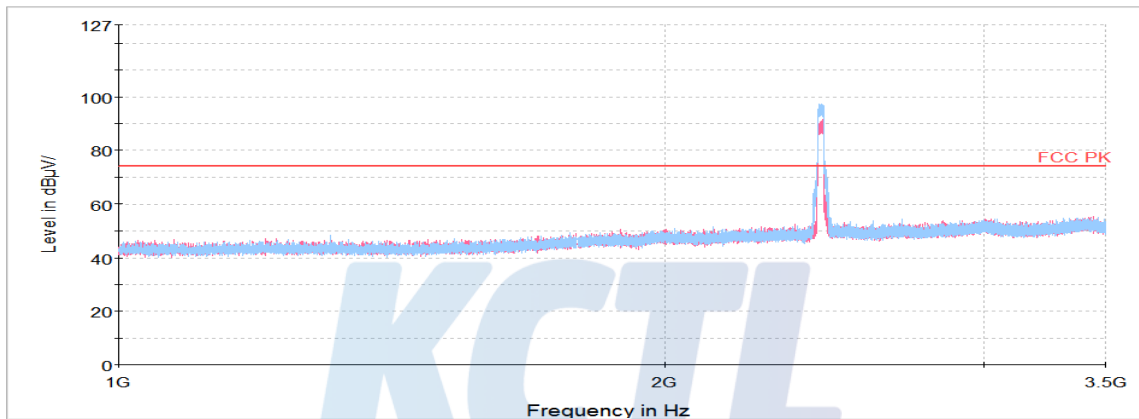
Horizontal/Vertical for 3.5 GHz ~ 18 GHz



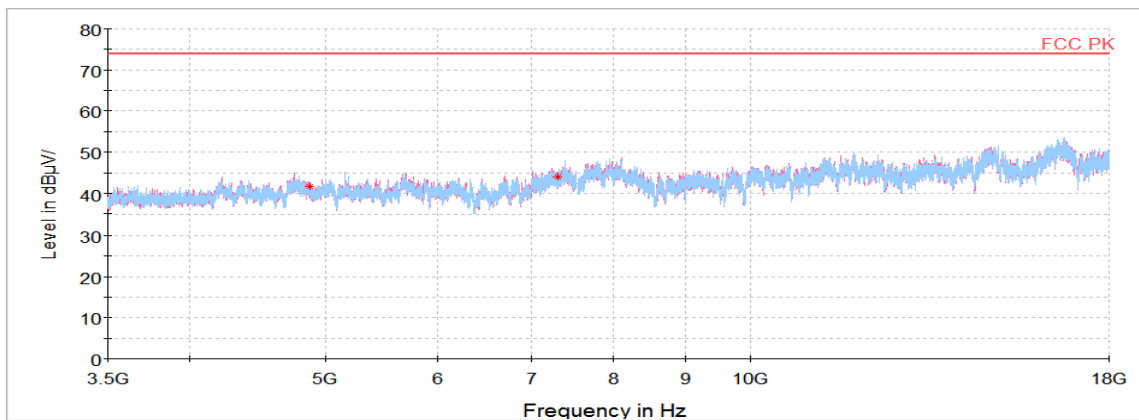
802.11ac VHT20_2 437 MHz

Frequency	Pol.	Reading	Ant. Factor	Amp. + Cable	DCF	Result	Limit	Margin
(MHz)	(V/H)	(dB(μV))	(dB)	(dB)	(dB)	(dB(μV/m))	(dB(μV/m))	(dB)
Peak data								
4 874.78 ¹⁾	H	62.77	33.95	-55.02	-	41.70	74.00	32.30
7 311.69 ¹⁾	H	61.26	35.40	-52.69	-	43.97	74.00	30.03
Average Data								
No spurious emissions were detected within 20 dB of the limit.								

Horizontal/Vertical for 1 GHz ~ 3.5 GHz



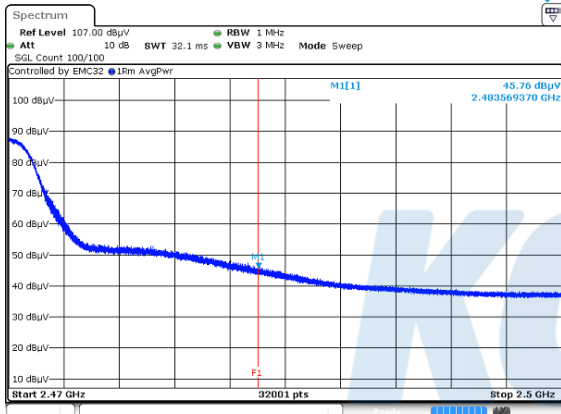
Horizontal/Vertical for 3.5 GHz ~ 18 GHz



802.11ac VHT20_2 462 MHz

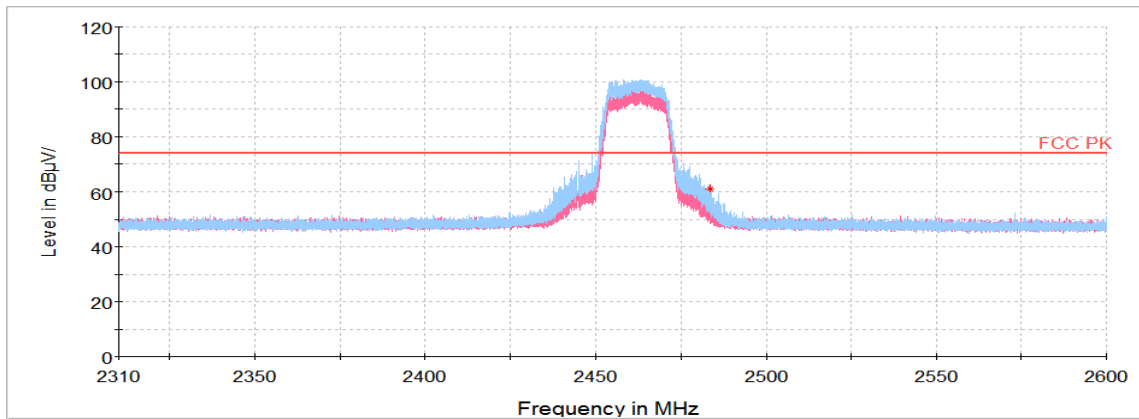
Frequency	Pol.	Reading	Ant. Factor	Amp. + Cable	DCF	Result	Limit	Margin
(MHz)	(V/H)	(dB(μV))	(dB)	(dB)	(dB)	(dB(μV/m))	(dB(μV/m))	(dB)
Peak data								
2 483.57 ¹⁾	H	58.07	32.07	-29.21	-	60.93	74.00	13.07
4 924.17 ¹⁾	V	61.67	33.97	-55.30	-	40.34	74.00	33.66
7 386.91 ¹⁾	H	62.98	35.40	-52.40	-	45.98	74.00	28.02
Average Data								
2 483.57 ¹⁾	H	45.76	32.07	-29.21	0.40	49.02	54.00	4.98

Average data

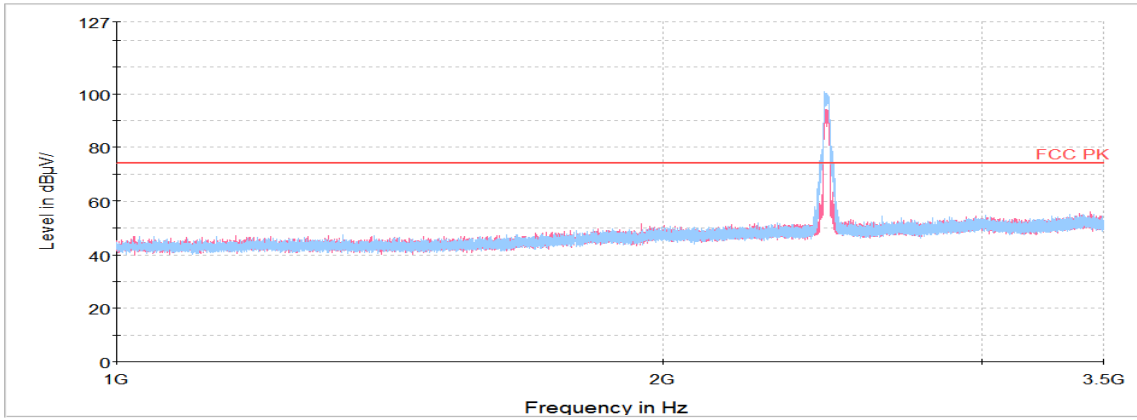


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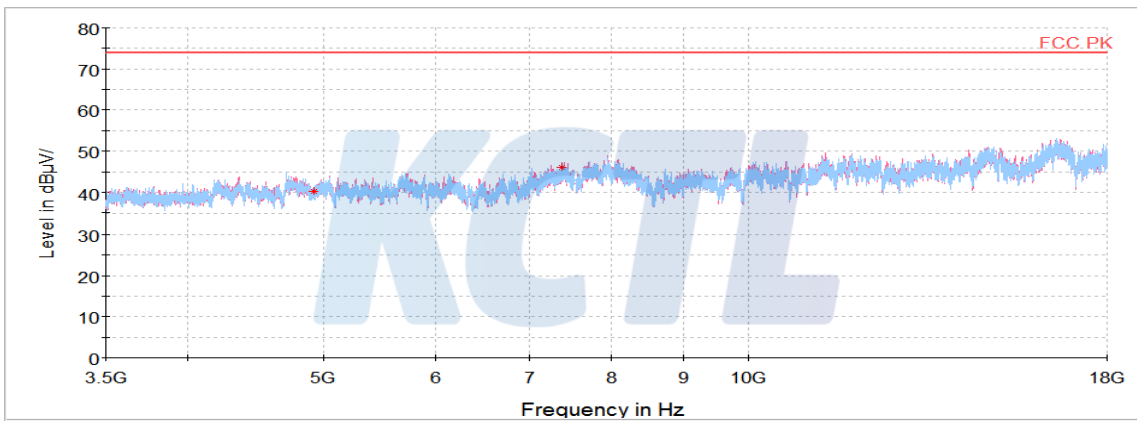
Horizontal/Vertical for Band-edge



Horizontal/Vertical for 1 GHz ~ 3.5 GHz



Horizontal/Vertical for 3.5 GHz ~ 18 GHz

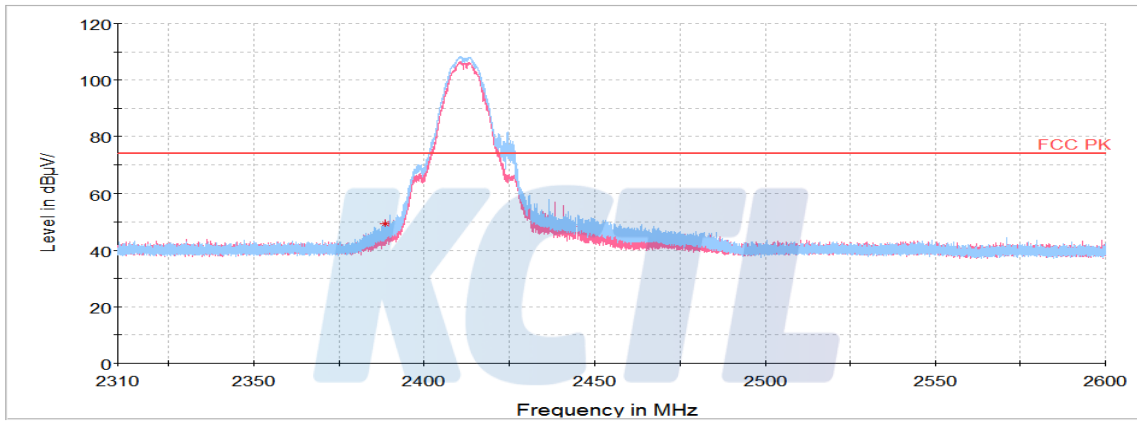


SISO ANT 2

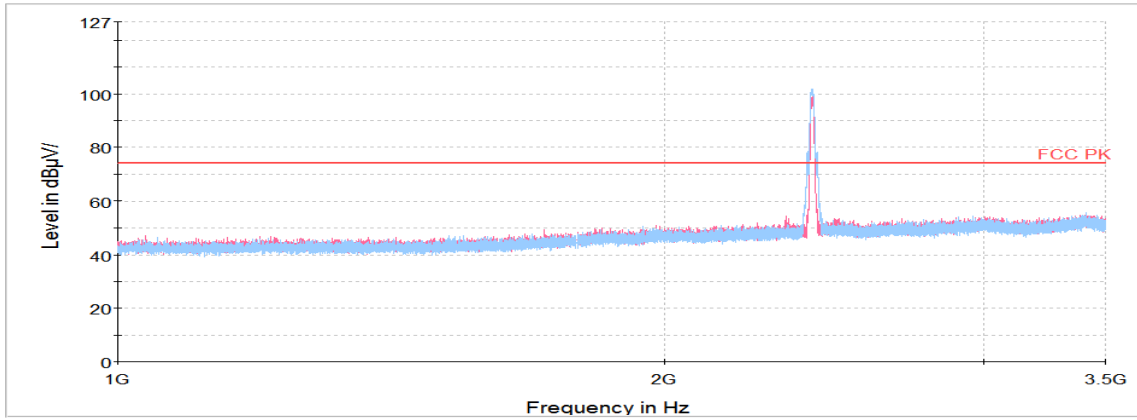
802.11b_2 412 MHz

Frequency	Pol.	Reading	Ant. Factor	Amp. + Cable	DCF	Result	Limit	Margin
(MHz)	(V/H)	(dB(μV))	(dB)	(dB)	(dB)	(dB($\mu V/m$))	(dB($\mu V/m$))	(dB)
Peak data								
2 388.51 ¹⁾	H	46.65	31.88	-29.05	-	49.48	74.00	24.52
4 812.25 ¹⁾	V	62.01	33.92	-53.25	-	42.68	74.00	31.32
16 785.63	H	56.46	41.79	-46.48	-	51.77	74.00	22.23
Average Data								
No spurious emissions were detected within 20 dB of the limit.								

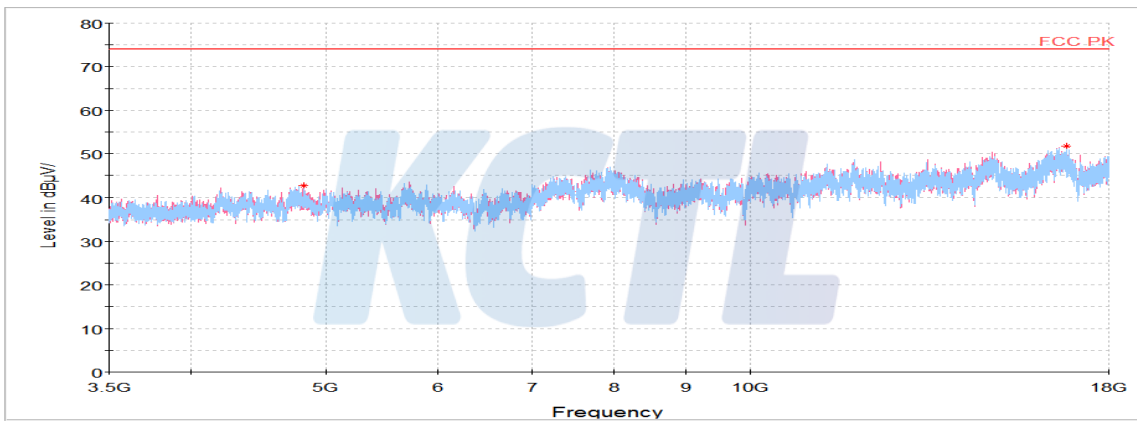
Horizontal/Vertical for Band-edge



Horizontal/Vertical for 1 GHz ~ 3.5 GHz



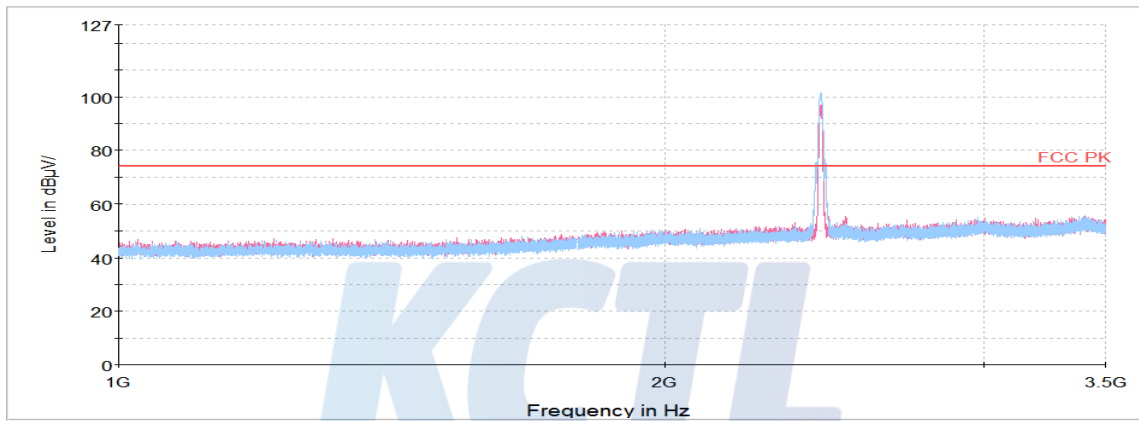
Horizontal/Vertical for 3.5 GHz ~ 18 GHz



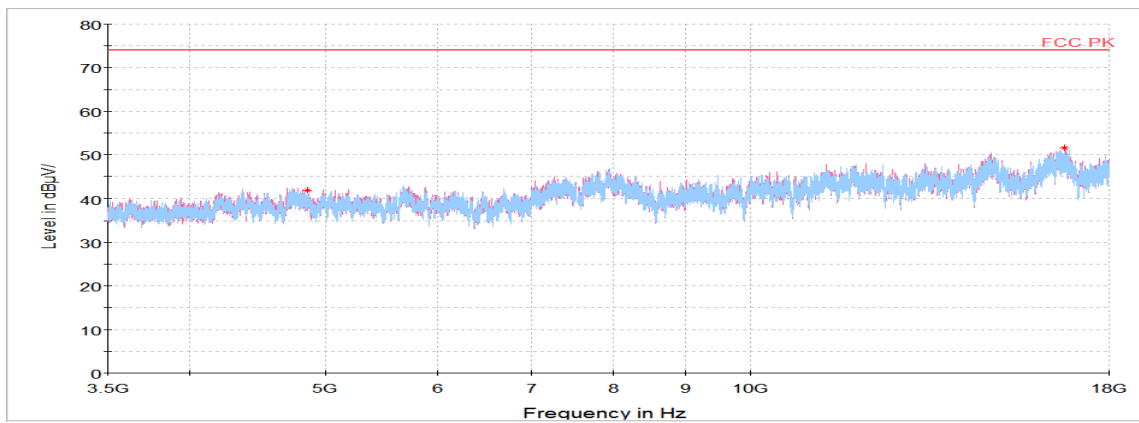
802.11b_2 437 MHz

Frequency	Pol.	Reading	Ant. Factor	Amp. + Cable	DCF	Result	Limit	Margin
(MHz)	(V/H)	(dB(μV))	(dB)	(dB)	(dB)	(dB(μV/m))	(dB(μV/m))	(dB)
Peak data								
4 851.22 ¹⁾	V	62.18	33.94	-54.35	-	41.77	74.00	32.23
16 726.27	V	56.10	41.73	-46.27	-	51.56	74.00	22.44
Average Data								
No spurious emissions were detected within 20 dB of the limit.								

Horizontal/Vertical for 1 GHz ~ 3.5 GHz

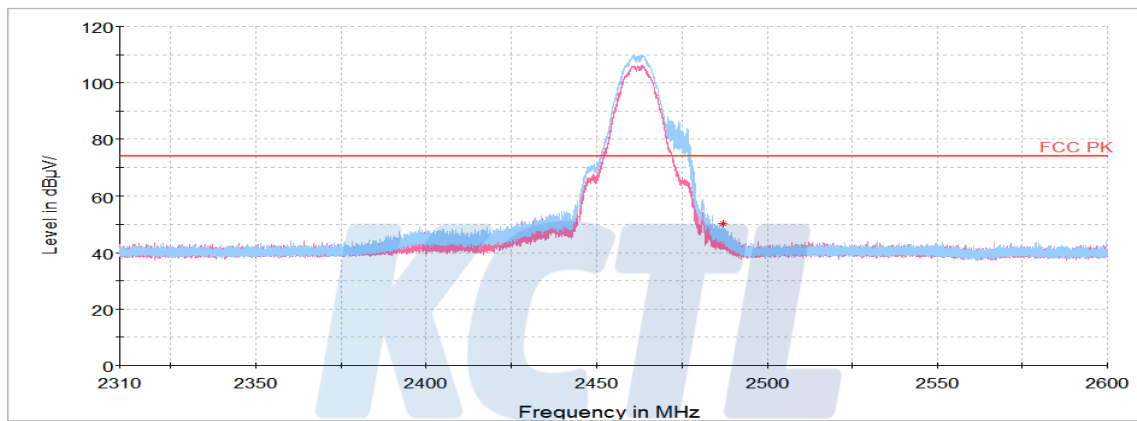


Horizontal/Vertical for 3.5 GHz ~ 18 GHz

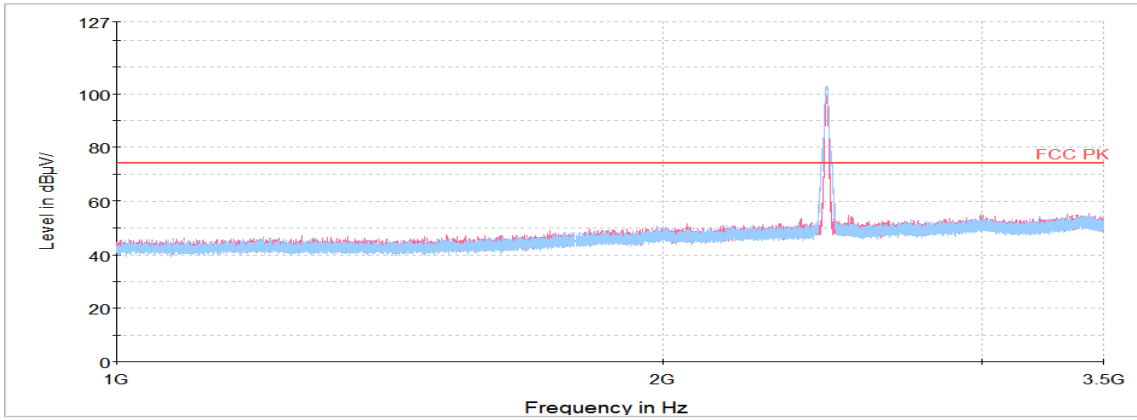


802.11b_2 462 MHz

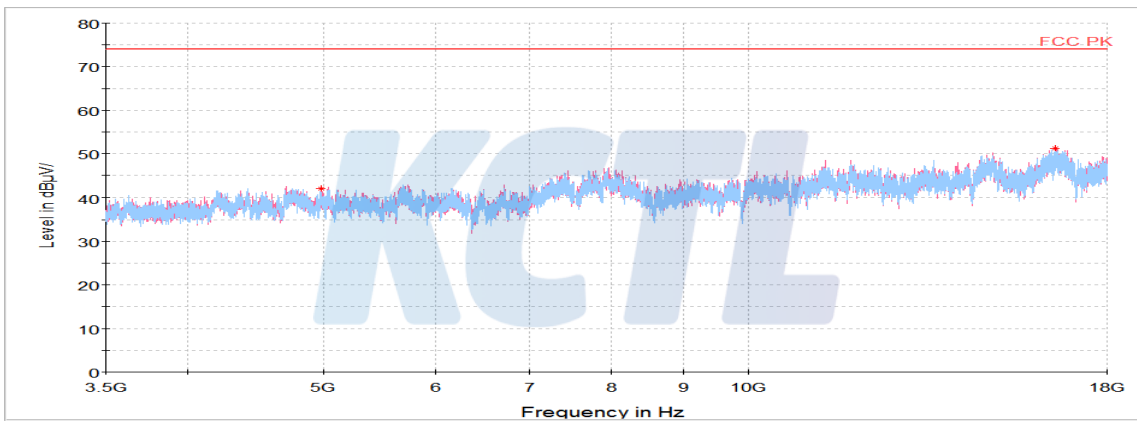
Frequency	Pol.	Reading	Ant. Factor	Amp. + Cable	DCF	Result	Limit	Margin
(MHz)	(V/H)	(dB(μ V))	(dB)	(dB)	(dB)	(dB(μ V/m))	(dB(μ V/m))	(dB)
Peak data								
2 487.08 ¹⁾	H	47.59	32.07	-29.22	-	50.44	74.00	23.56
4 978.09 ¹⁾	V	62.34	33.99	-54.34	-	41.99	74.00	32.01
16 540.48	H	55.30	41.54	-45.64	-	51.20	74.00	22.80
Average Data								
No spurious emissions were detected within 20 dB of the limit.								

Horizontal/Vertical for Band-edge

Horizontal/Vertical for 1 GHz ~ 3.5 GHz



Horizontal/Vertical for 3.5 GHz ~ 18 GHz



802.11g_2 412 MHz

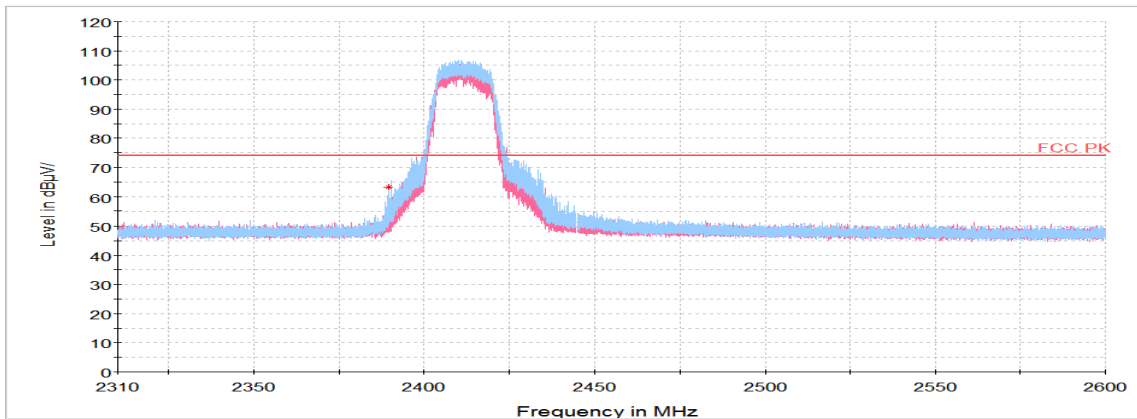
Frequency	Pol.	Reading	Ant. Factor	Amp. + Cable	DCF	Result	Limit	Margin
(MHz)	(V/H)	(dB(μV))	(dB)	(dB)	(dB)	(dB(μV/m))	(dB(μV/m))	(dB)
Peak data								
2 389.94 ¹⁾	H	60.25	31.88	-29.04	-	63.09	74.00	10.91
4 824.03 ¹⁾	H	59.16	33.93	-53.58	-	39.51	74.00	34.49
7 236.02	H	60.40	35.40	-52.97	-	42.83	74.00	31.17
Average Data								
2 389.94 ¹⁾	H	45.42	31.88	-29.04	0.43	48.69	54.00	5.31

Average data

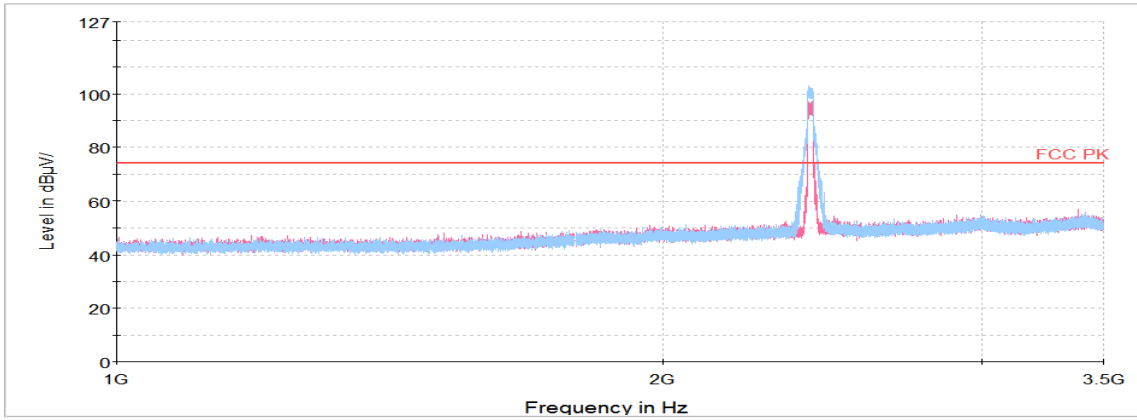


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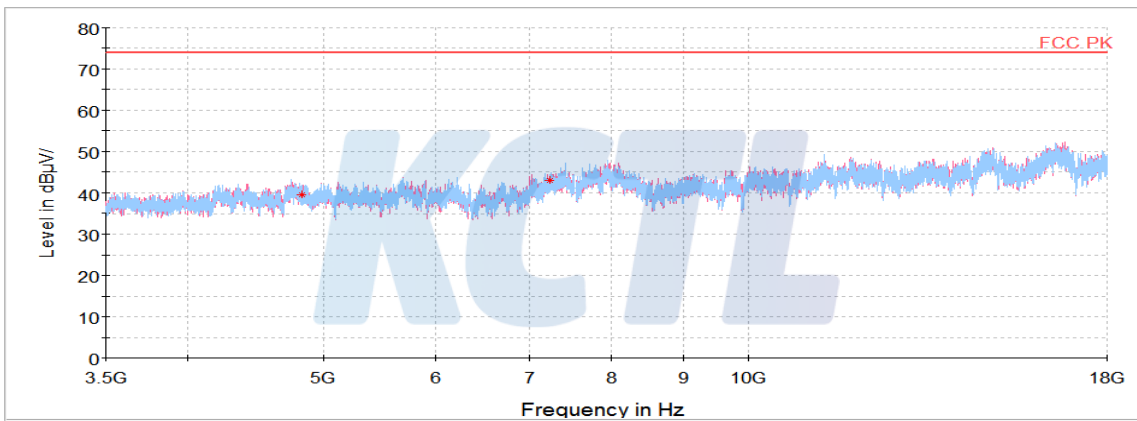
Horizontal/Vertical for Band-edge



Horizontal/Vertical for 1 GHz ~ 3.5 GHz



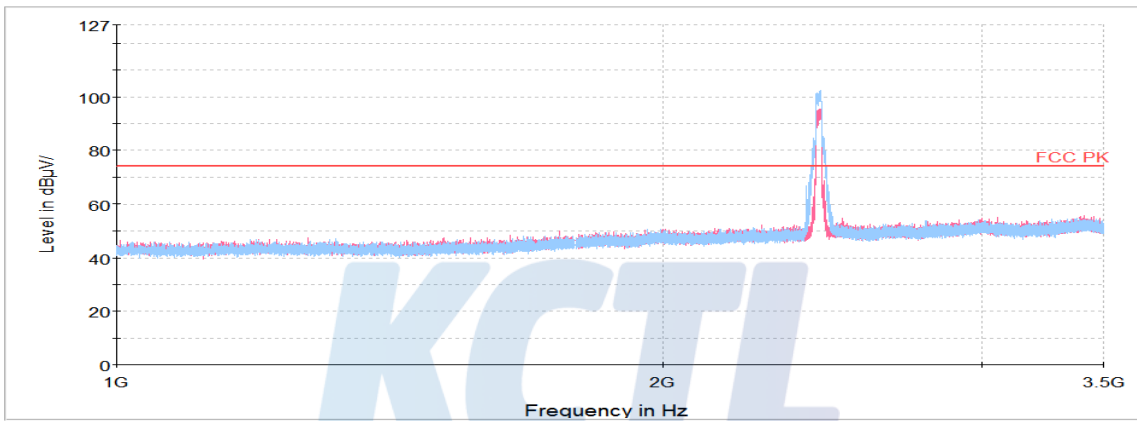
Horizontal/Vertical for 3.5 GHz ~ 18 GHz



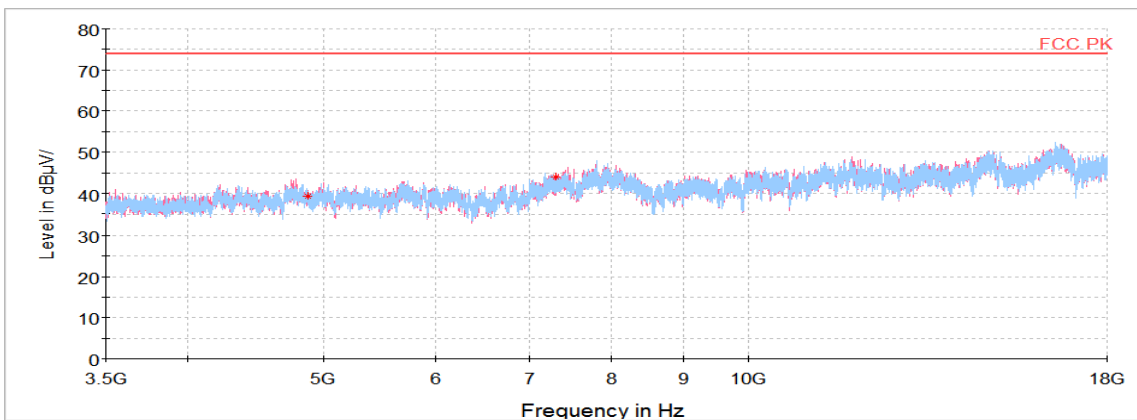
802.11g_2 437 MHz

Frequency	Pol.	Reading	Ant. Factor	Amp. + Cable	DCF	Result	Limit	Margin
(MHz)	(V/H)	(dB(μV))	(dB)	(dB)	(dB)	(dB(μV/m))	(dB(μV/m))	(dB)
Peak data								
4 874.78 ¹⁾	H	60.46	33.95	-55.02	-	39.39	74.00	34.61
7 311.23 ¹⁾	H	61.22	35.40	-52.69	-	43.93	74.00	30.07
Average Data								
No spurious emissions were detected within 20 dB of the limit.								

Horizontal/Vertical for 1 GHz ~ 3.5 GHz



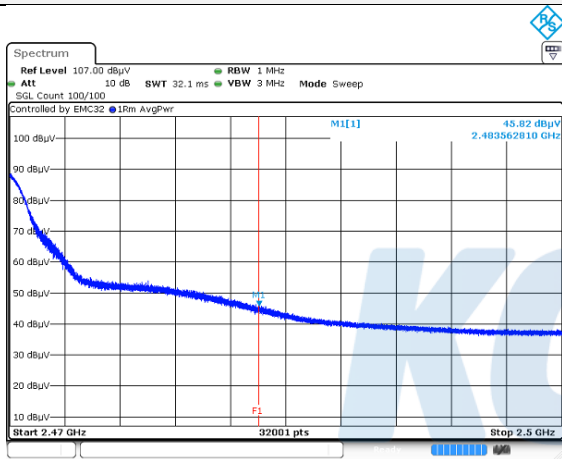
Horizontal/Vertical for 3.5 GHz ~ 18 GHz



802.11g_2 462 MHz

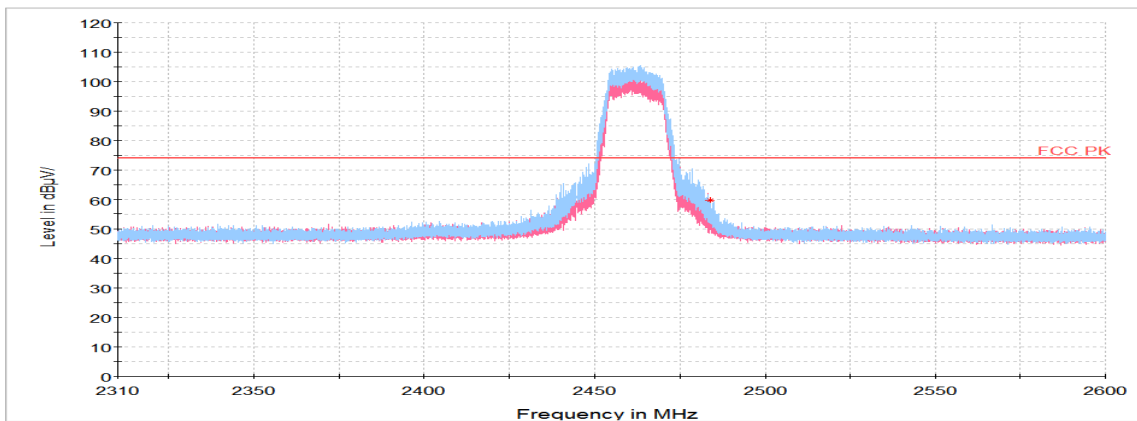
Frequency	Pol.	Reading	Ant. Factor	Amp. + Cable	DCF	Result	Limit	Margin
(MHz)	(V/H)	(dB(μV))	(dB)	(dB)	(dB)	(dB(μV/m))	(dB(μV/m))	(dB)
Peak data								
2 483.56 ¹⁾	H	56.72	32.07	-29.21	-	59.58	74.00	14.42
4 923.72 ¹⁾	V	60.34	33.97	-55.31	-	39.00	74.00	35.00
7 386.45 ¹⁾	V	61.02	35.40	-52.41	-	44.01	74.00	29.99
Average Data								
2 483.56 ¹⁾	H	45.82	32.07	-29.21	0.43	49.11	54.00	4.89

Average data

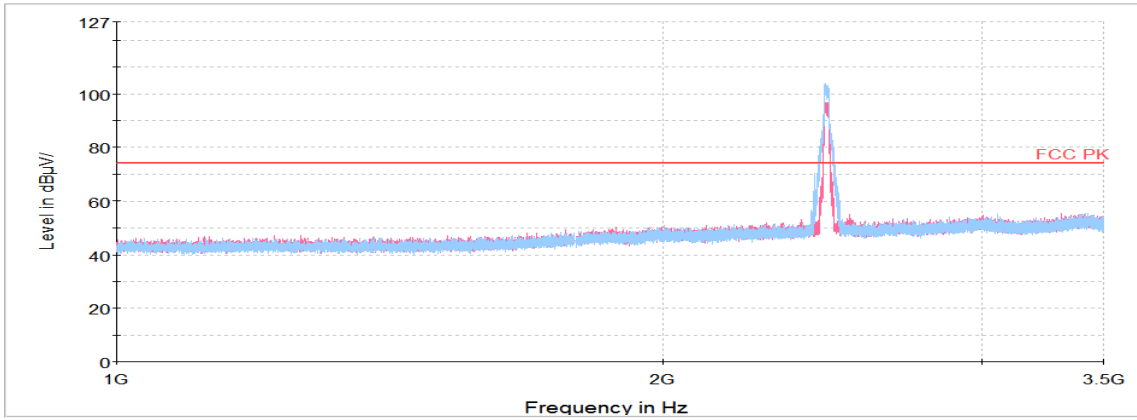


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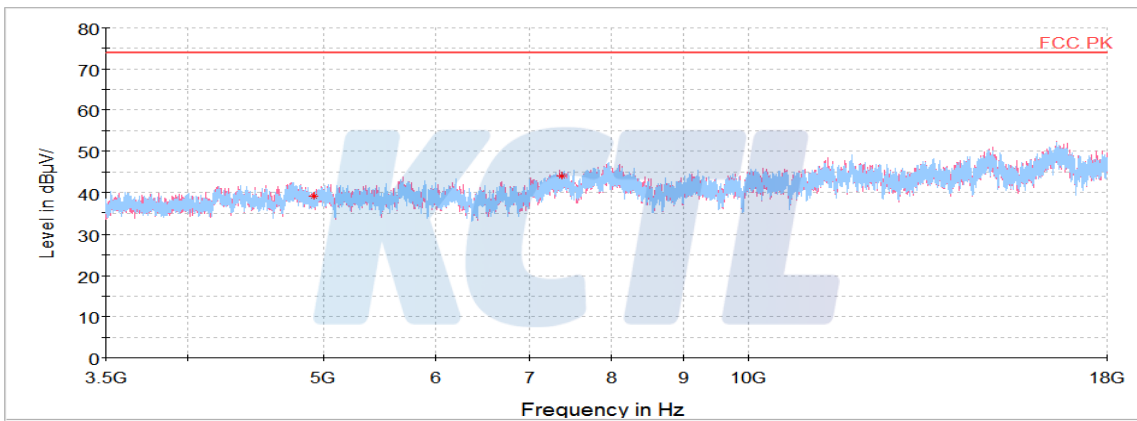
Horizontal/Vertical for Band-edge



Horizontal/Vertical for 1 GHz ~ 3.5 GHz



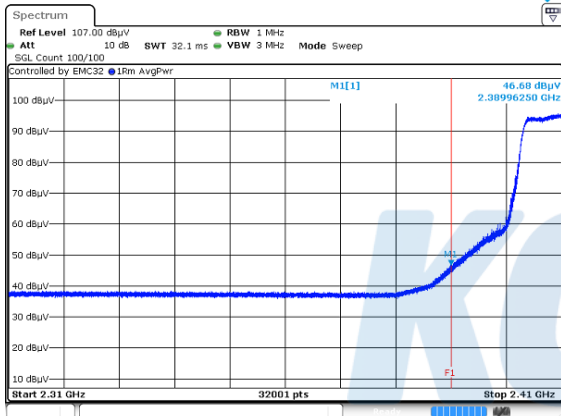
Horizontal/Vertical for 3.5 GHz ~ 18 GHz



802.11n HT20_2 412 MHz

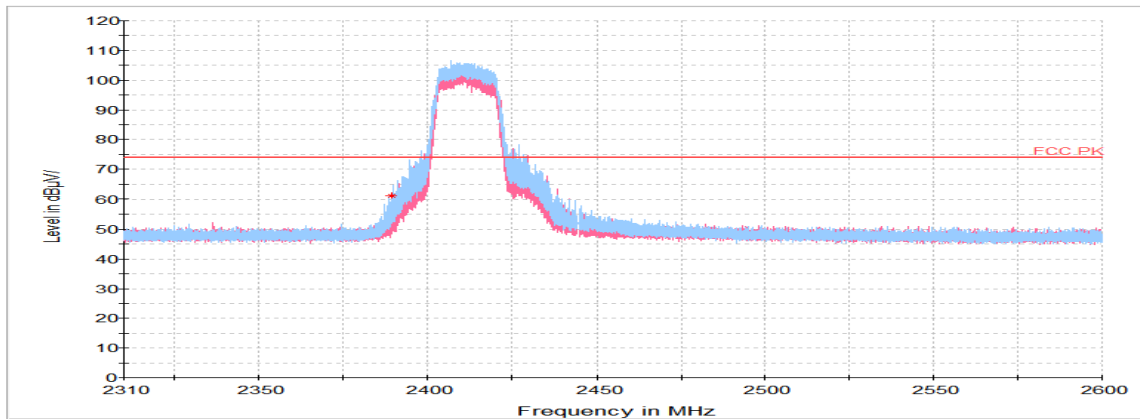
Frequency	Pol.	Reading	Ant. Factor	Amp. + Cable	DCF	Result	Limit	Margin
(MHz)	(V/H)	(dB(μV))	(dB)	(dB)	(dB)	(dB(μV/m))	(dB(μV/m))	(dB)
Peak data								
2 390.00 ¹⁾	H	58.26	31.88	-29.04	-	61.10	74.00	12.90
4 824.94 ¹⁾	H	60.84	33.93	-53.61	-	41.16	74.00	32.84
7 236.92	V	60.44	35.40	-52.97	-	42.87	74.00	31.13
Average Data								
2 390.00 ¹⁾	H	46.68	31.88	-29.04	0.38	49.90	54.00	4.10

Average data

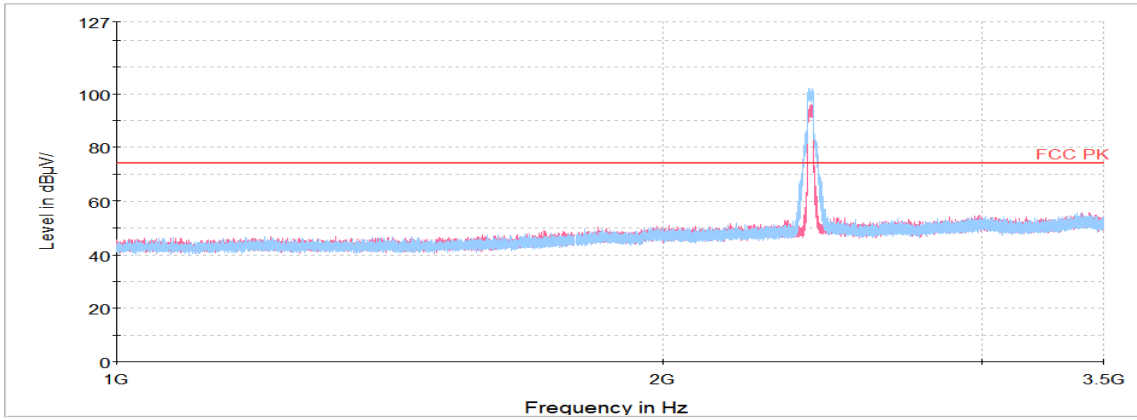


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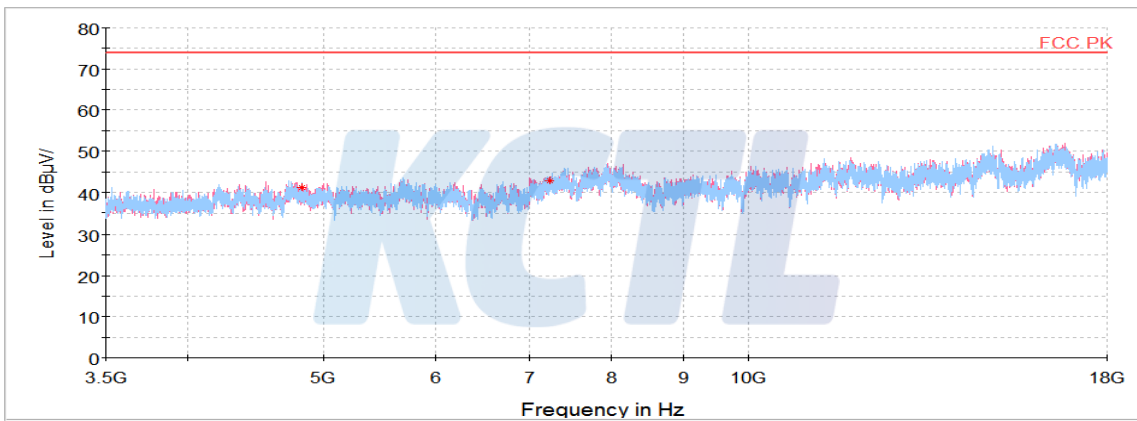
Horizontal/Vertical for Band-edge



Horizontal/Vertical for 1 GHz ~ 3.5 GHz



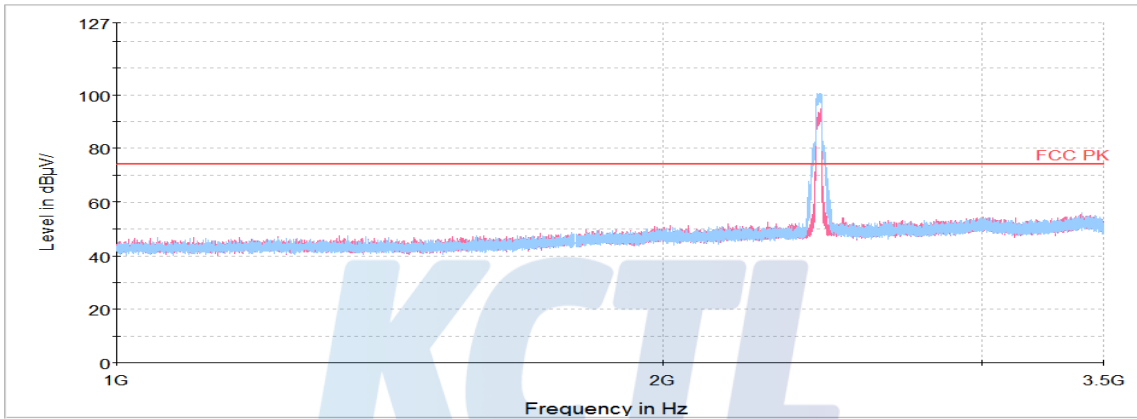
Horizontal/Vertical for 3.5 GHz ~ 18 GHz



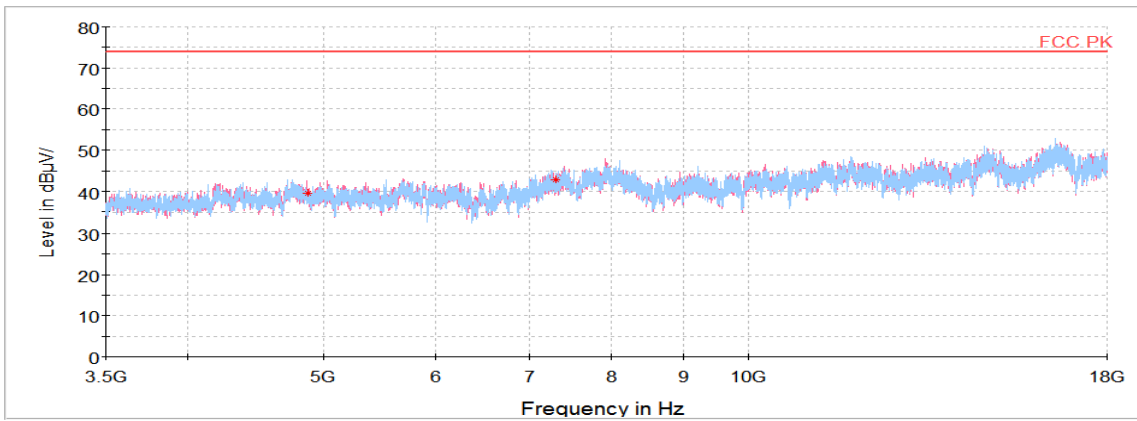
802.11n HT20_2 437 MHz

Frequency (MHz)	Pol. (V/H)	Reading (dB(μV))	Ant. Factor (dB)	Amp. + Cable (dB)	DCF (dB)	Result (dB(μV/m))	Limit (dB(μV/m))	Margin (dB)
Peak data								
4 874.33 ¹⁾	V	60.50	33.95	-55.01	-	39.44	74.00	34.56
7 311.23 ¹⁾	H	59.98	35.40	-52.69	-	42.69	74.00	31.31
Average Data								
No spurious emissions were detected within 20 dB of the limit.								

Horizontal/Vertical for 1 GHz ~ 3.5 GHz



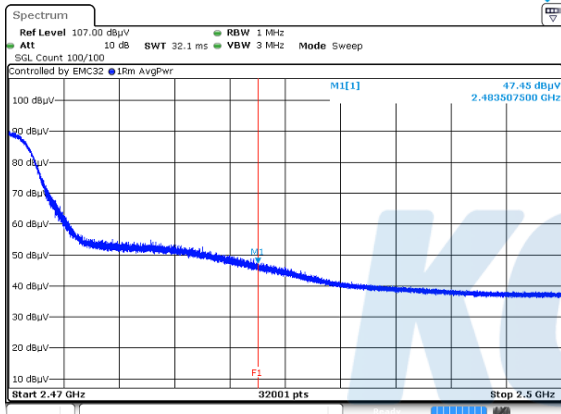
Horizontal/Vertical for 3.5 GHz ~ 18 GHz



802.11n HT20_2 462 MHz

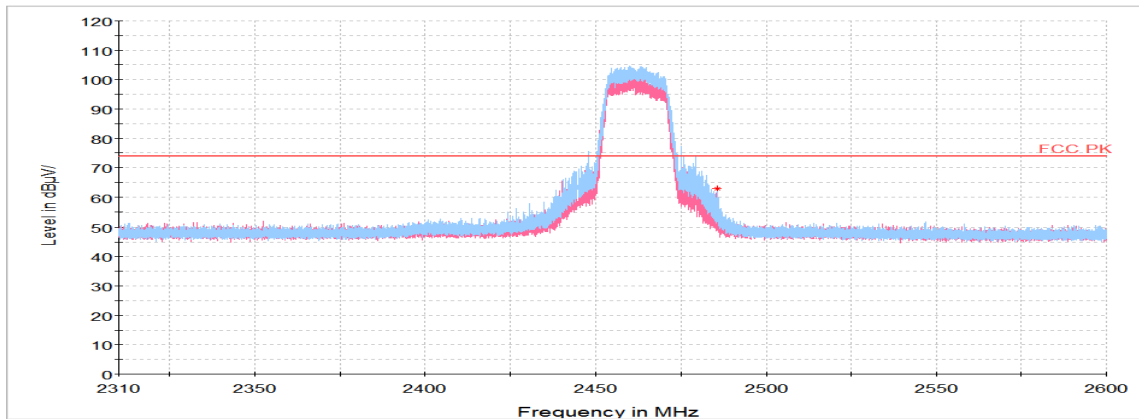
Frequency	Pol.	Reading	Ant. Factor	Amp. + Cable	DCF	Result	Limit	Margin
(MHz)	(V/H)	(dB(μ V))	(dB)	(dB)	(dB)	(dB(μ V/m))	(dB(μ V/m))	(dB)
Peak data								
2 483.51 ¹⁾	H	59.91	32.07	-29.21	-	62.77	74.00	11.23
4 924.63 ¹⁾	V	60.28	33.97	-55.30	-	38.95	74.00	35.05
7 385.55 ¹⁾	H	61.04	35.40	-52.41	-	44.03	74.00	29.97
Average Data								
2 483.51 ¹⁾	H	47.45	32.07	-29.21	0.38	50.69	54.00	3.31

Average data

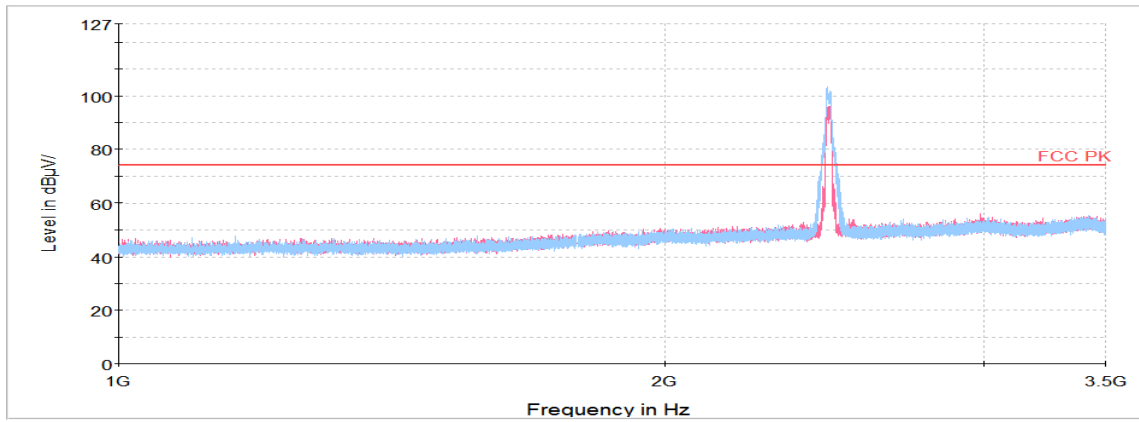


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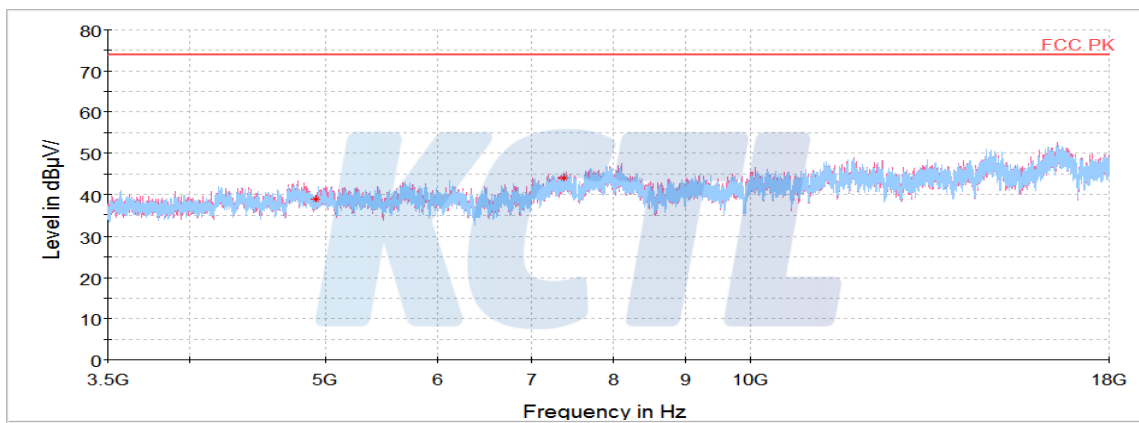
Horizontal/Vertical for Band-edge



Horizontal/Vertical for 1 GHz ~ 3.5 GHz



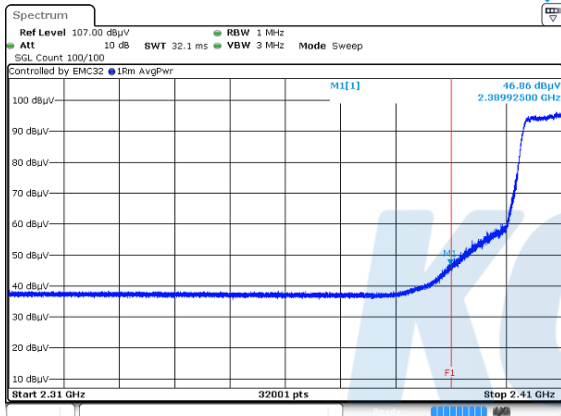
Horizontal/Vertical for 3.5 GHz ~ 18 GHz



802.11ac VHT20_2 412 MHz

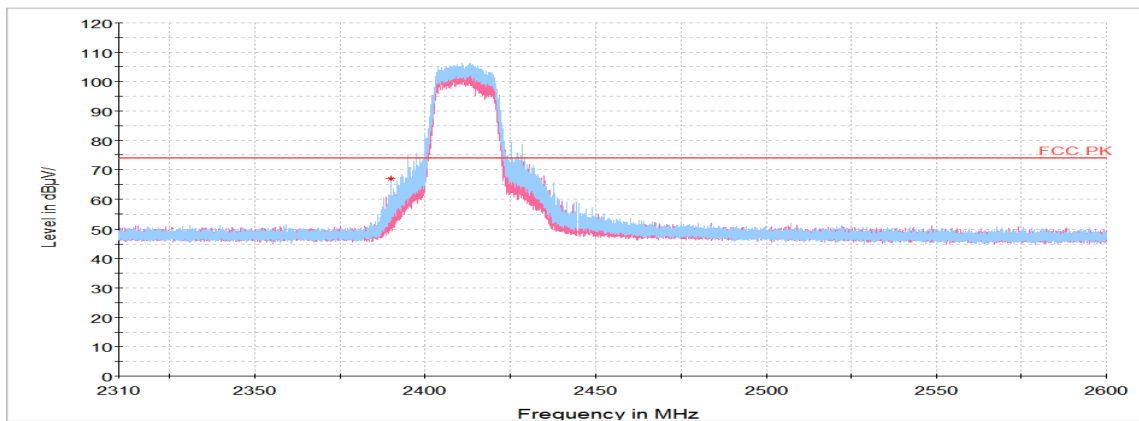
Frequency	Pol.	Reading	Ant. Factor	Amp. + Cable	DCF	Result	Limit	Margin
(MHz)	(V/H)	(dB(μV))	(dB)	(dB)	(dB)	(dB(μV/m))	(dB(μV/m))	(dB)
Peak data								
2 389.93 ¹⁾	H	64.15	31.88	-29.04	-	66.99	74.00	7.01
4 824.03 ¹⁾	V	61.28	33.93	-53.58	-	41.63	74.00	32.37
7 236.02	H	60.70	35.40	-52.97	-	43.13	74.00	30.87
Average Data								
2 389.93 ¹⁾	H	46.86	31.88	-29.04	0.40	50.10	54.00	3.90

Average data

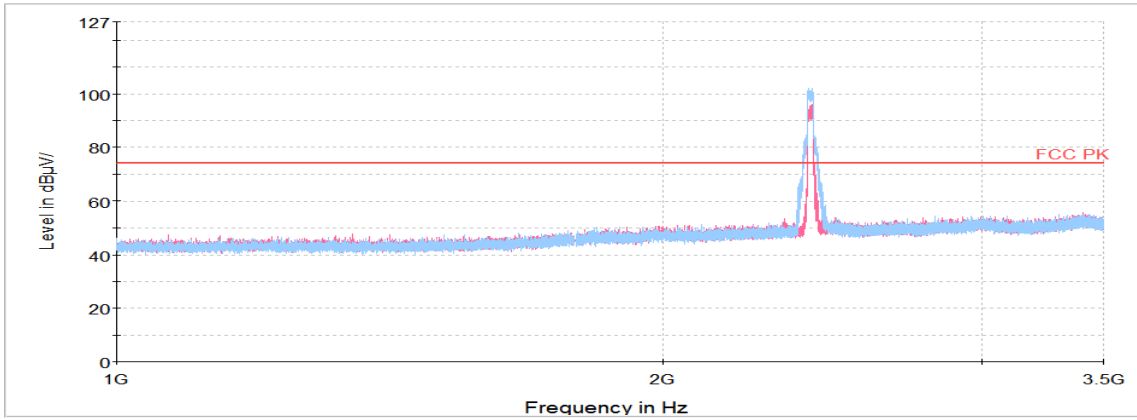


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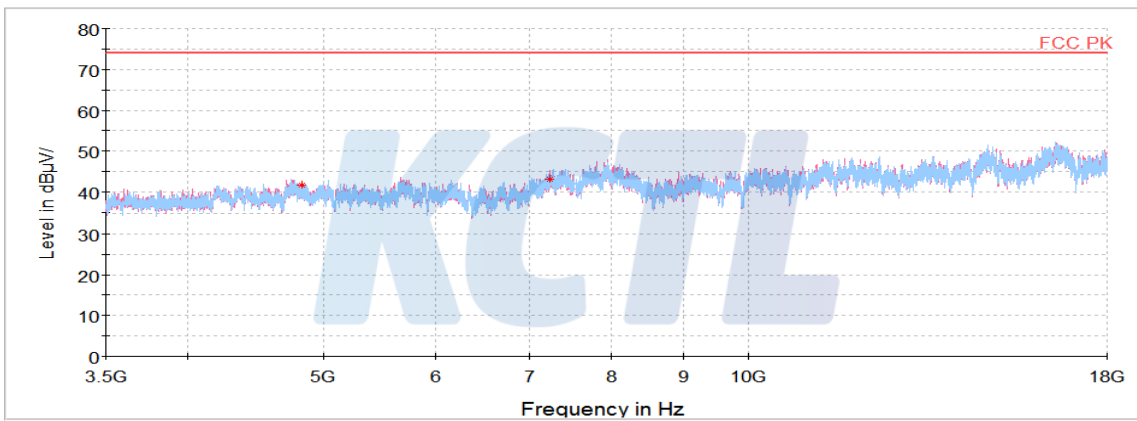
Horizontal/Vertical for Band-edge



Horizontal/Vertical for 1 GHz ~ 3.5 GHz



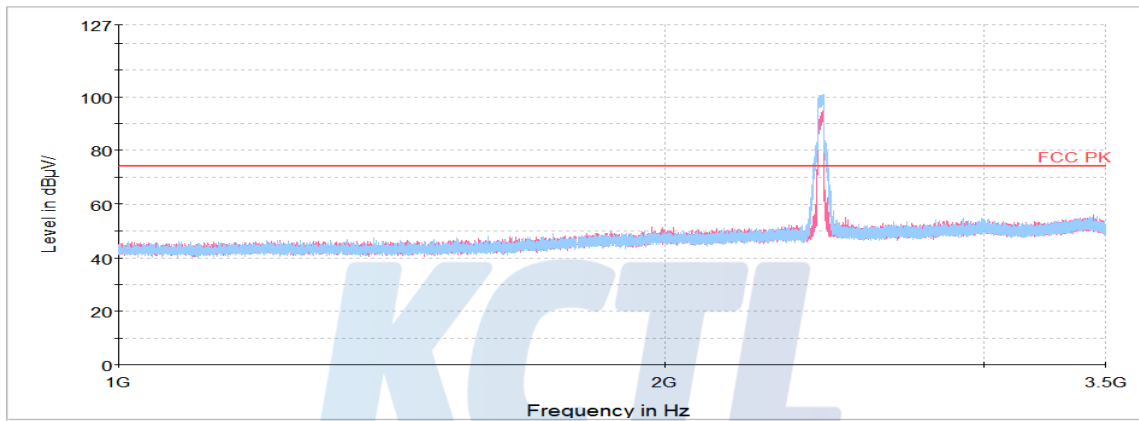
Horizontal/Vertical for 3.5 GHz ~ 18 GHz



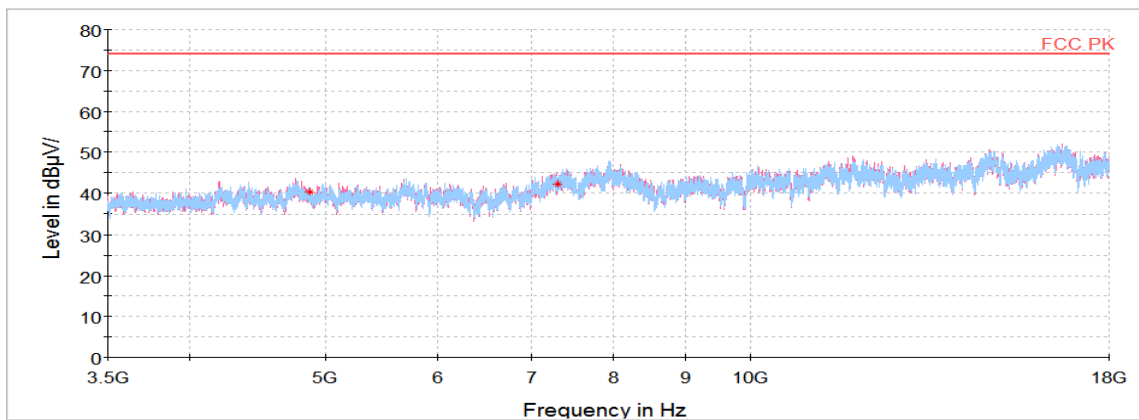
802.11ac VHT20_2 437 MHz

Frequency	Pol.	Reading	Ant. Factor	Amp. + Cable	DCF	Result	Limit	Margin
(MHz)	(V/H)	(dB(μV))	(dB)	(dB)	(dB)	(dB(μV/m))	(dB(μV/m))	(dB)
Peak data								
4 873.88	H	61.26	33.95	-54.99	-	40.22	74.00	33.78
7 311.23	H	59.49	35.40	-52.69	-	42.20	74.00	31.80
Average Data								
No spurious emissions were detected within 20 dB of the limit.								

Horizontal/Vertical for 1 GHz ~ 3.5 GHz



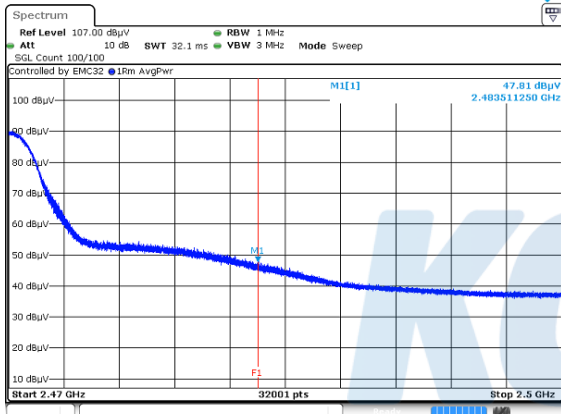
Horizontal/Vertical for 3.5 GHz ~ 18 GHz



802.11ac VHT20_2 462 MHz

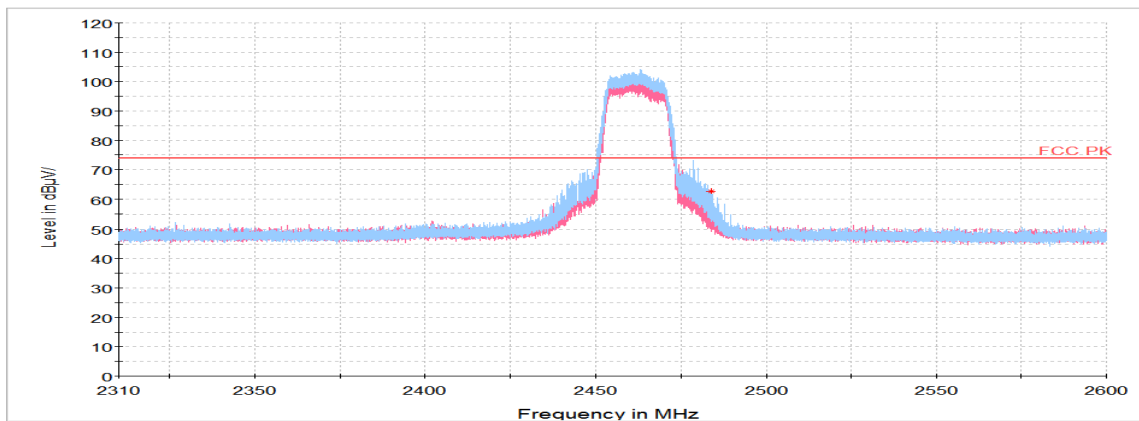
Frequency	Pol.	Reading	Ant. Factor	Amp. + Cable	DCF	Result	Limit	Margin
(MHz)	(V/H)	(dB(μV))	(dB)	(dB)	(dB)	(dB(μV/m))	(dB(μV/m))	(dB)
Peak data								
2 483.51 ¹⁾	H	59.85	32.07	-29.21	-	62.71	74.00	11.29
4 925.08 ¹⁾	H	60.57	33.97	-55.29	-	39.25	74.00	34.75
7 386.45 ¹⁾	V	60.09	35.40	-52.41	-	43.08	74.00	30.92
Average Data								
2 483.51 ¹⁾	H	47.81	32.07	-29.21	0.40	51.07	54.00	2.93

Average data

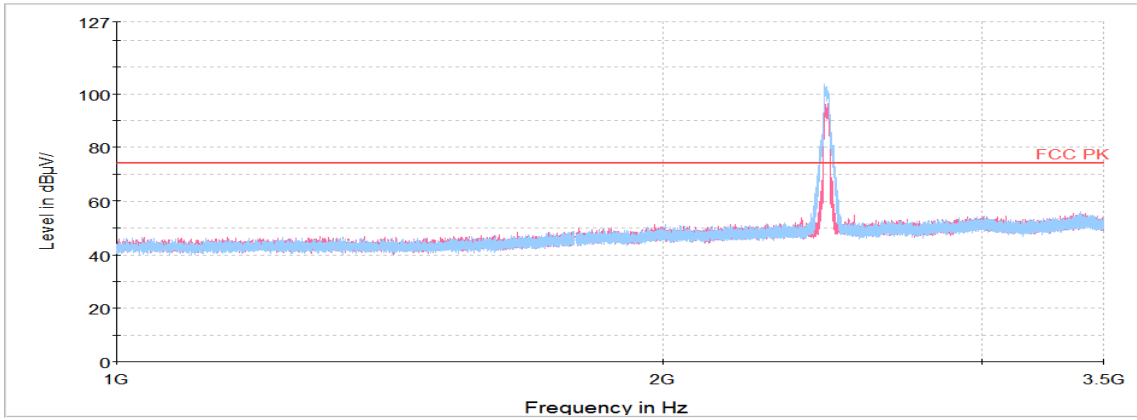


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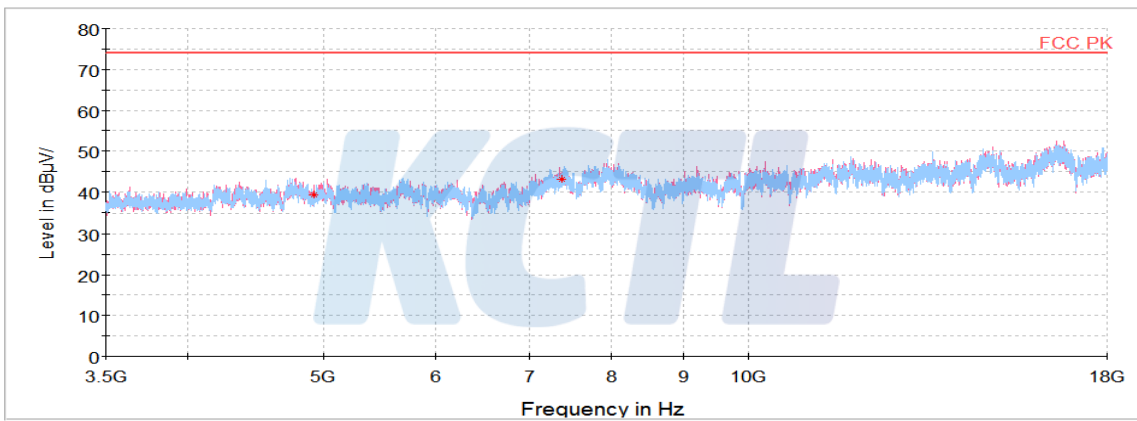
Horizontal/Vertical for Band-edge



Horizontal/Vertical for 1 GHz ~ 3.5 GHz



Horizontal/Vertical for 3.5 GHz ~ 18 GHz



MIMO

802.11g_2 412 MHz

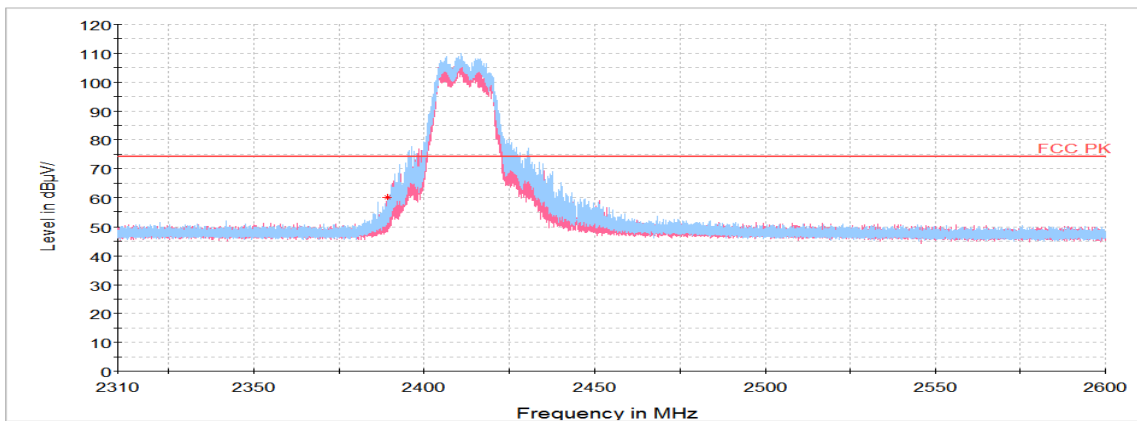
Frequency	Pol.	Reading	Ant. Factor	Amp. + Cable	DCF	Result	Limit	Margin
(MHz)	(V/H)	(dB(μV))	(dB)	(dB)	(dB)	(dB(μV/m))	(dB(μV/m))	(dB)
Peak data								
2 389.98 ¹⁾	H	57.25	31.88	-29.04	-	60.09	74.00	13.91
4 824.48 ¹⁾	V	61.94	33.93	-53.59	-	42.28	74.00	31.72
7 237.38	V	61.68	35.40	-52.97	-	44.11	74.00	29.89
Average Data								
2 389.98 ¹⁾	H	47.29	31.88	-29.04	0.39	50.52	54.00	3.48

Average data

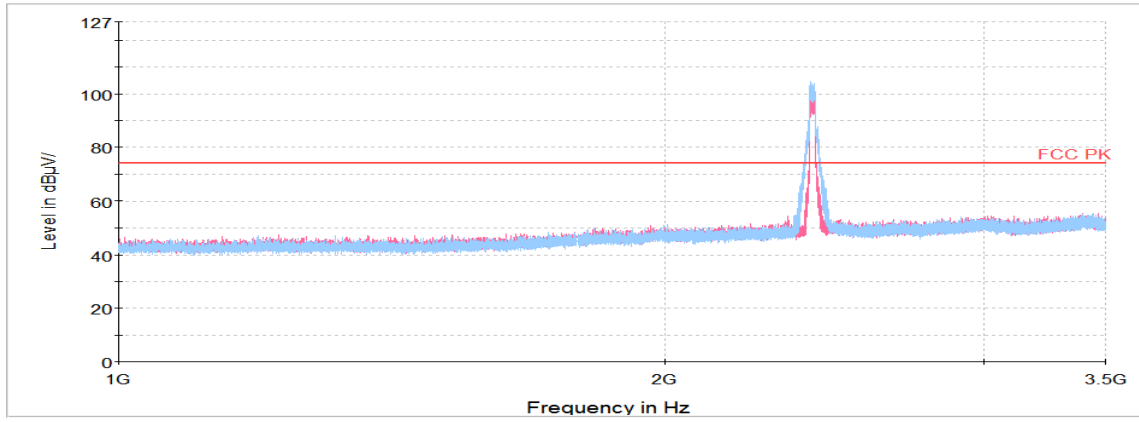


Blank

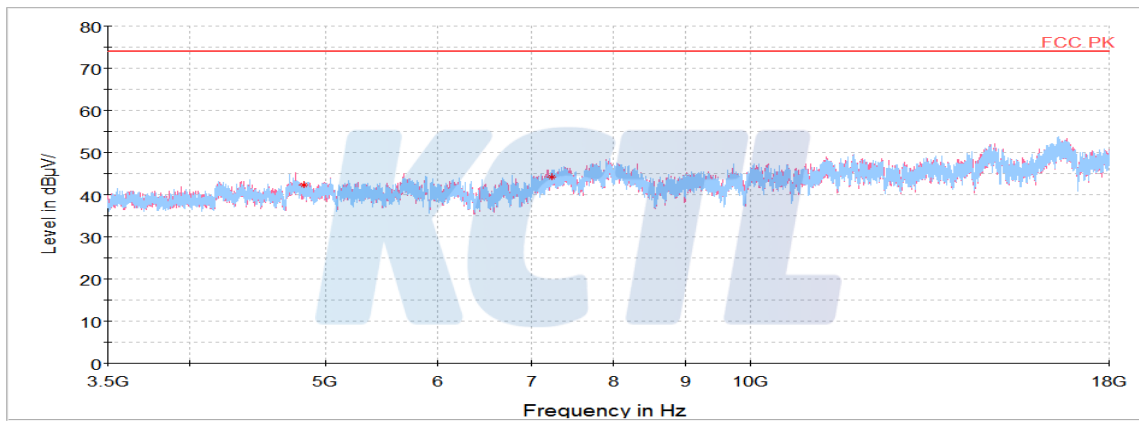
Horizontal/Vertical for Band-edge



Horizontal/Vertical for 1 GHz ~ 3.5 GHz



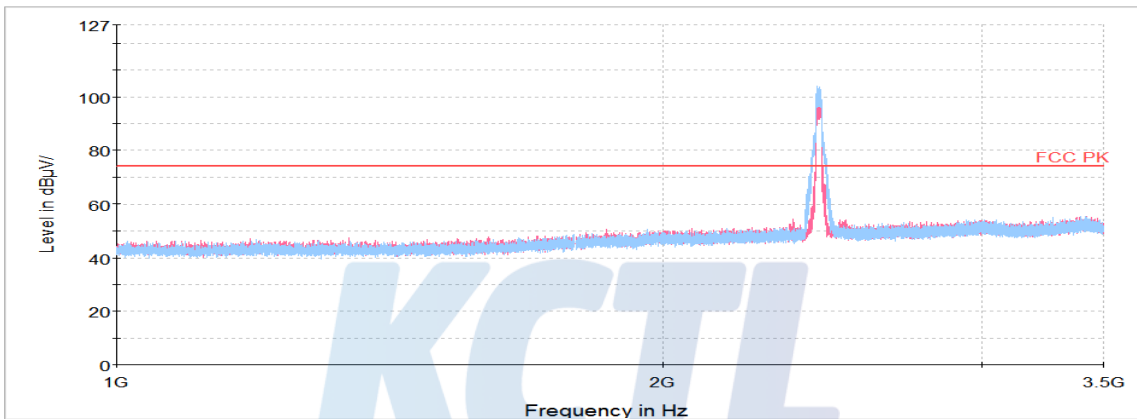
Horizontal/Vertical for 3.5 GHz ~ 18 GHz



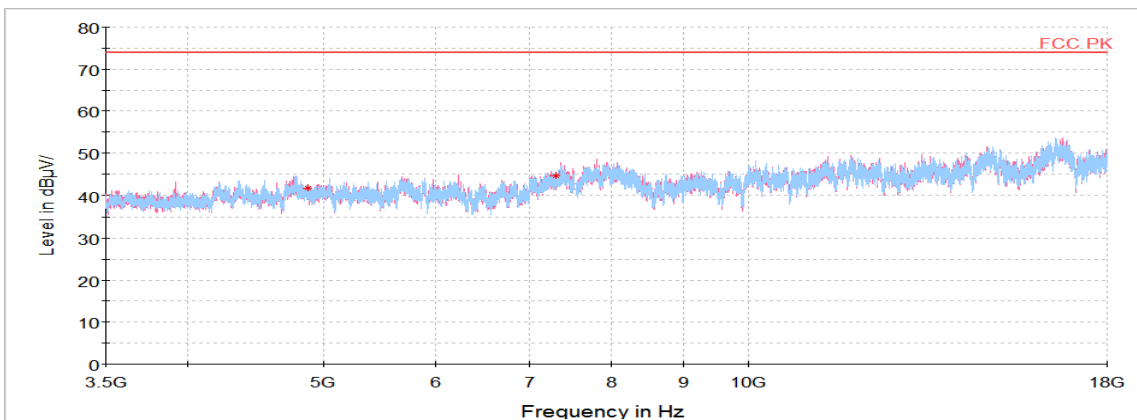
802.11g_2 437 MHz

Frequency (MHz)	Pol. (V/H)	Reading (dB(μV))	Ant. Factor (dB)	Amp. + Cable (dB)	DCF (dB)	Result (dB(μV/m))	Limit (dB(μV/m))	Margin (dB)
Peak data								
4 874.78 ¹⁾	H	62.66	33.95	-55.02	-	41.59	74.00	32.41
7 310.78 ¹⁾	V	61.92	35.40	-52.69	-	44.63	74.00	29.37
Average Data								
No spurious emissions were detected within 20 dB of the limit.								

Horizontal/Vertical for 1 GHz ~ 3.5 GHz



Horizontal/Vertical for 3.5 GHz ~ 18 GHz



802.11g_2 462 MHz

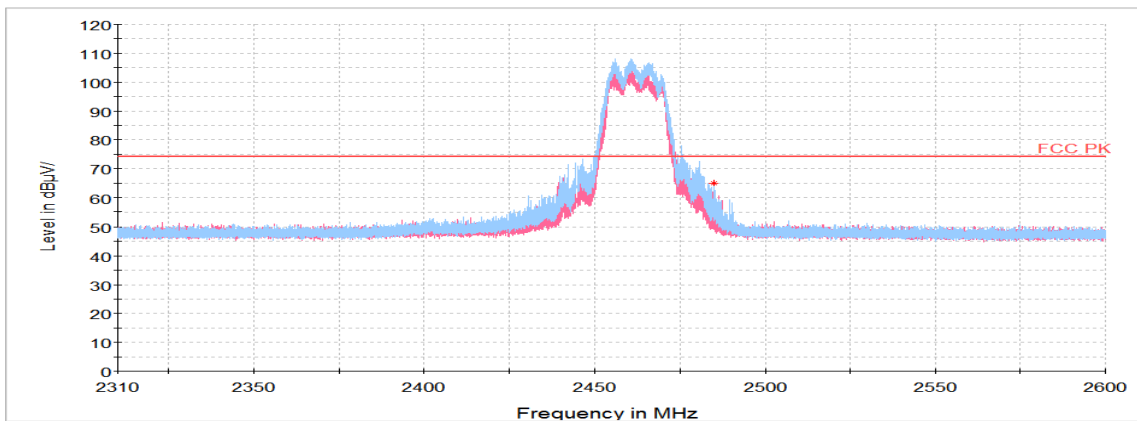
Frequency	Pol.	Reading	Ant. Factor	Amp. + Cable	DCF	Result	Limit	Margin
(MHz)	(V/H)	(dB(μV))	(dB)	(dB)	(dB)	(dB(μV/m))	(dB(μV/m))	(dB)
Peak data								
2 483.51 ¹⁾	H	62.13	32.07	-29.21	-	64.99	74.00	9.01
4 925.53 ¹⁾	V	61.95	33.97	-55.28	-	40.64	74.00	33.36
7 387.36 ¹⁾	V	63.35	35.40	-52.40	-	46.35	74.00	27.65
Average Data								
2 483.51 ¹⁾	H	48.09	32.07	-29.21	0.39	51.34	54.00	2.66

Average data

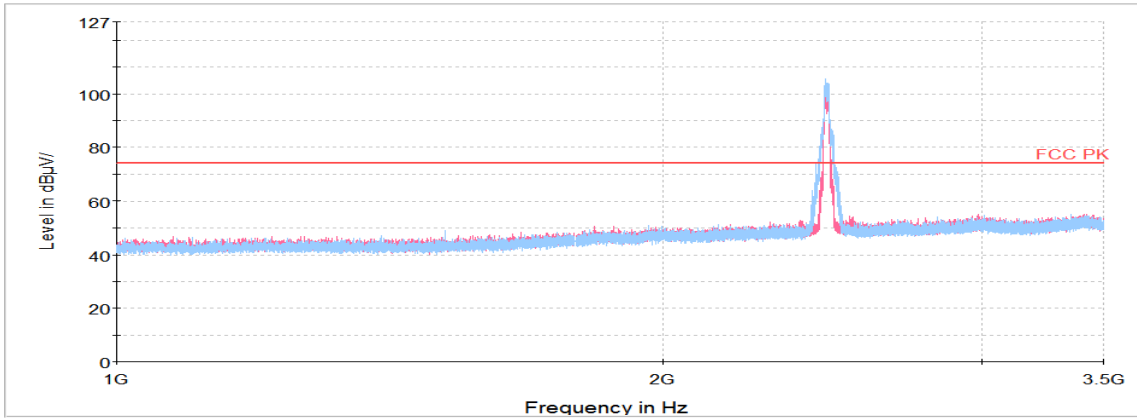


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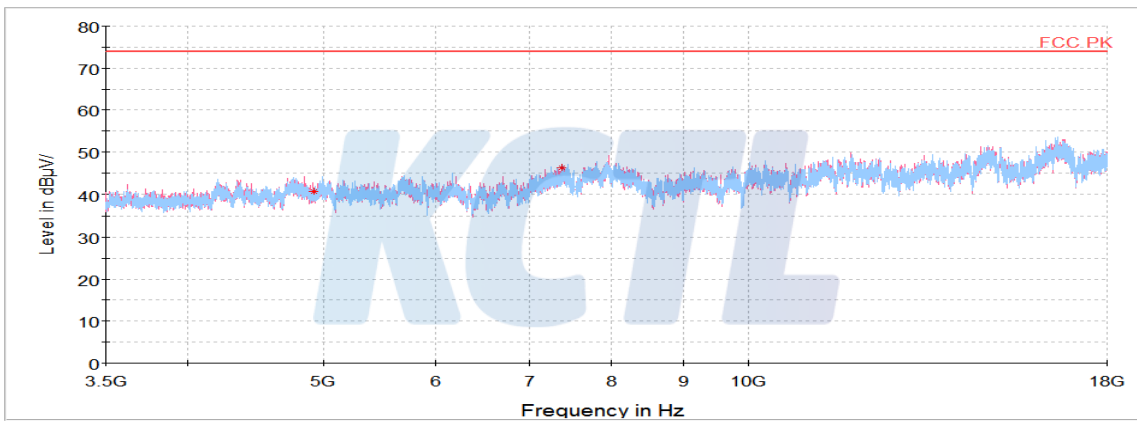
Horizontal/Vertical for Band-edge



Horizontal/Vertical for 1 GHz ~ 3.5 GHz



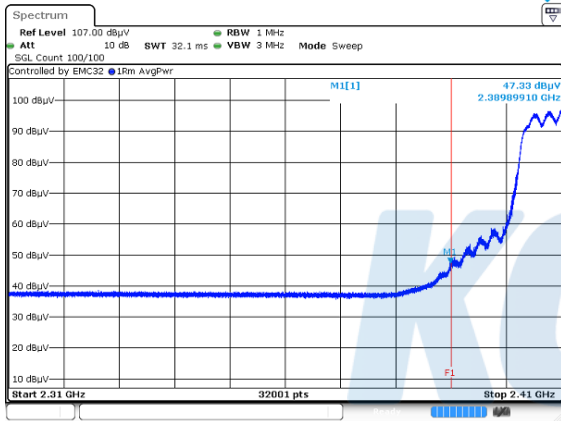
Horizontal/Vertical for 3.5 GHz ~ 18 GHz



802.11n HT20_2 412 MHz

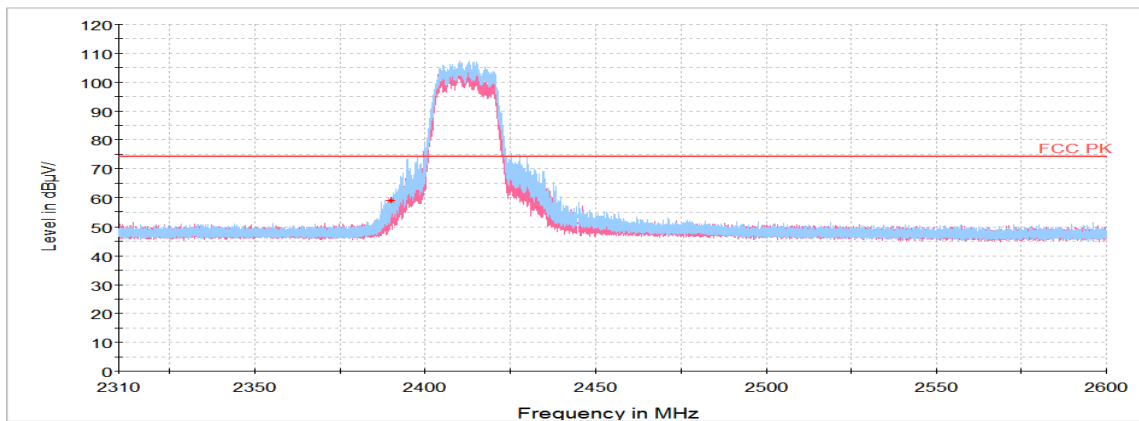
Frequency	Pol.	Reading	Ant. Factor	Amp. + Cable	DCF	Result	Limit	Margin
(MHz)	(V/H)	(dB(μV))	(dB)	(dB)	(dB)	(dB(μV/m))	(dB(μV/m))	(dB)
Peak data								
2 389.90 ¹⁾	H	56.16	31.88	-29.04	-	59.00	74.00	15.00
4 824.94 ¹⁾	H	61.73	33.93	-53.61	-	42.05	74.00	31.95
7 235.56	H	62.35	35.40	-52.97	-	44.78	74.00	29.22
Average Data								
2 389.90 ¹⁾	H	47.33	31.88	-29.04	0.38	50.55	54.00	3.45

Average data

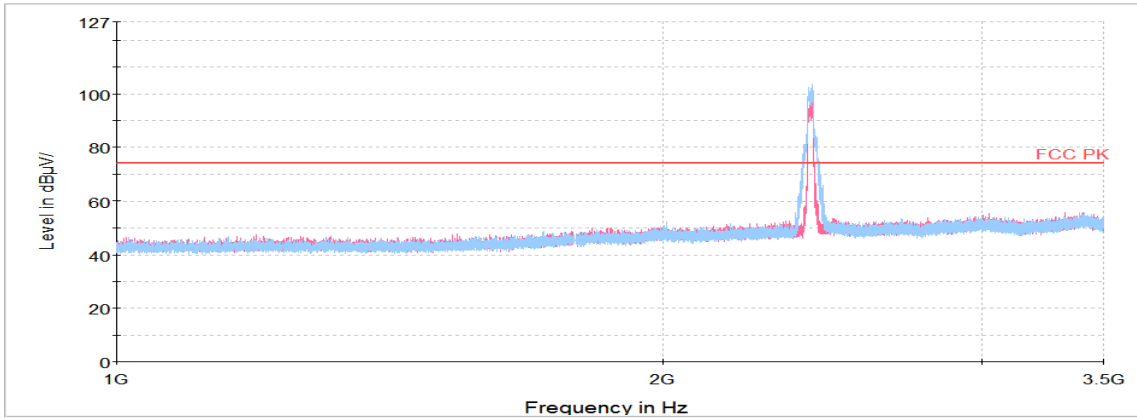


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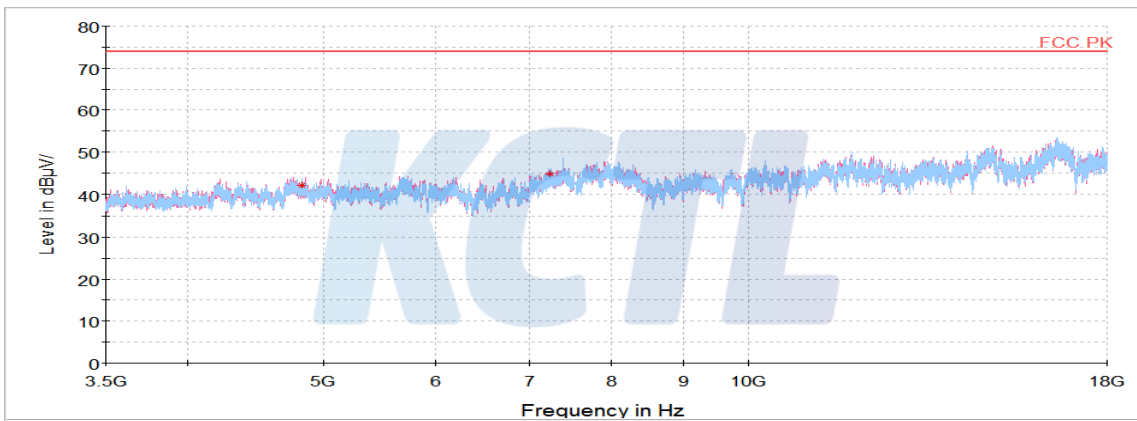
Horizontal/Vertical for Band-edge



Horizontal/Vertical for 1 GHz ~ 3.5 GHz



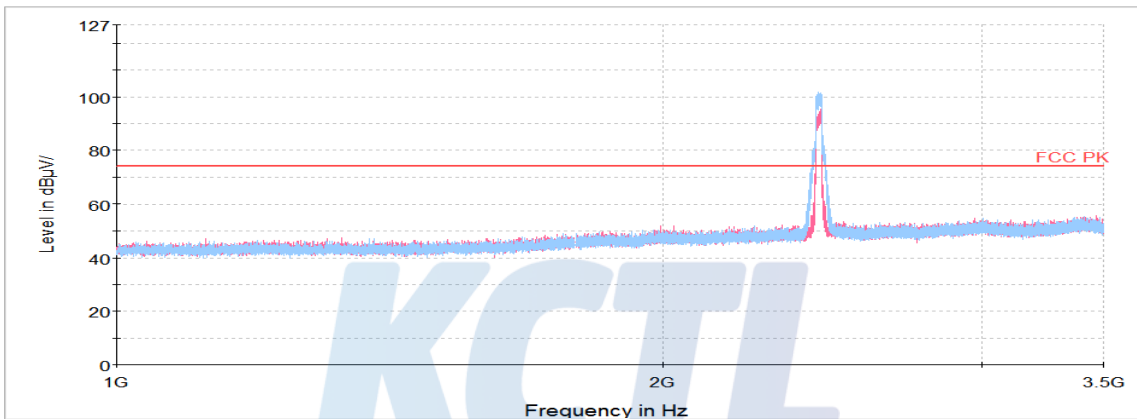
Horizontal/Vertical for 3.5 GHz ~ 18 GHz



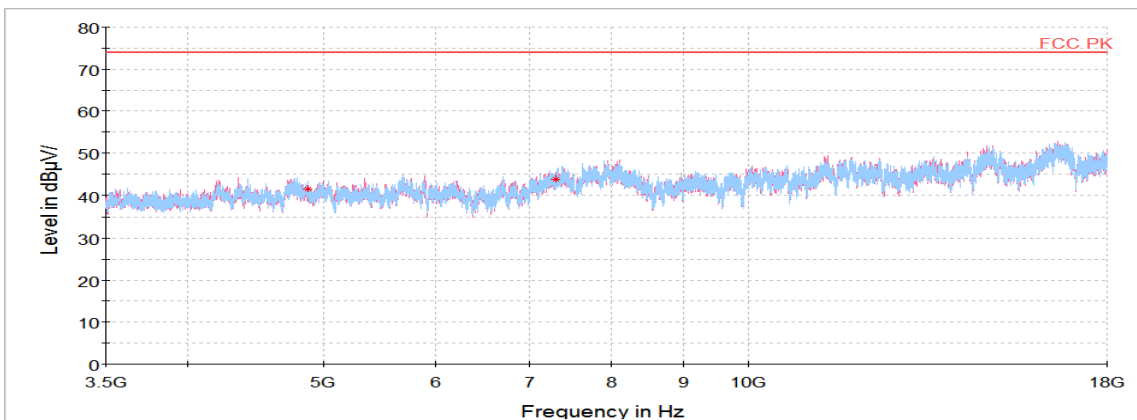
802.11n HT20_2 437 MHz

Frequency (MHz)	Pol. (V/H)	Reading (dB(μV))	Ant. Factor (dB)	Amp. + Cable (dB)	DCF (dB)	Result (dB(μV/m))	Limit (dB(μV/m))	Margin (dB)
Peak data								
4 874.33 ¹⁾	H	62.61	33.95	-55.01	-	41.55	74.00	32.45
7 312.14 ¹⁾	V	60.97	35.40	-52.68	-	43.69	74.00	30.31
Average Data								
No spurious emissions were detected within 20 dB of the limit.								

Horizontal/Vertical for 1 GHz ~ 3.5 GHz



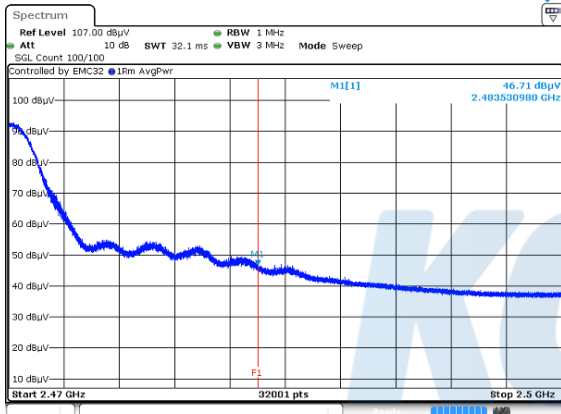
Horizontal/Vertical for 3.5 GHz ~ 18 GHz



802.11n HT20_2 462 MHz

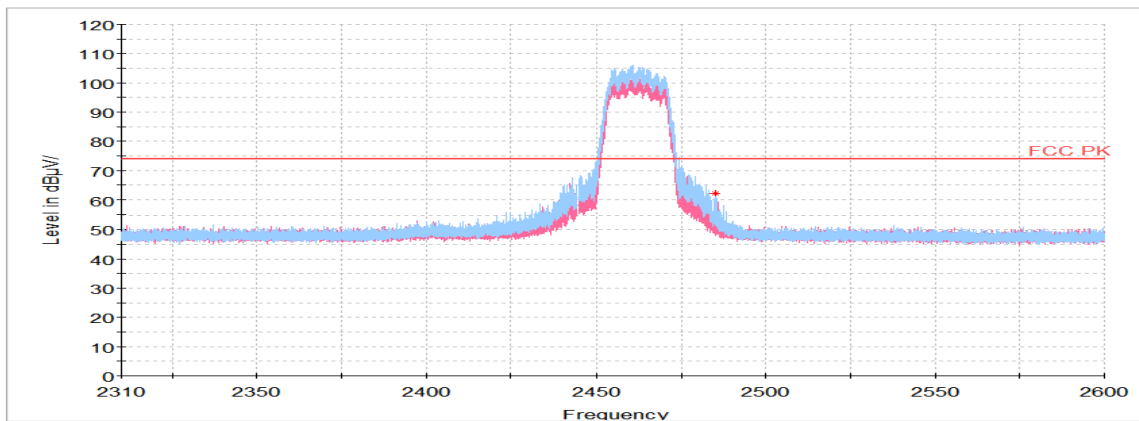
Frequency	Pol.	Reading	Ant. Factor	Amp. + Cable	DCF	Result	Limit	Margin
(MHz)	(V/H)	(dB(μV))	(dB)	(dB)	(dB)	(dB(μV/m))	(dB(μV/m))	(dB)
Peak data								
2 483.53 ¹⁾	H	59.15	32.07	-29.21	-	62.01	74.00	11.99
4 925.98 ¹⁾	H	61.64	33.97	-55.27	-	40.34	74.00	33.66
7 386.91 ¹⁾	V	62.45	35.40	-52.40	-	45.45	74.00	28.55
Average Data								
2 483.53 ¹⁾	H	46.71	32.07	-29.21	0.38	49.95	54.00	4.05

Average data

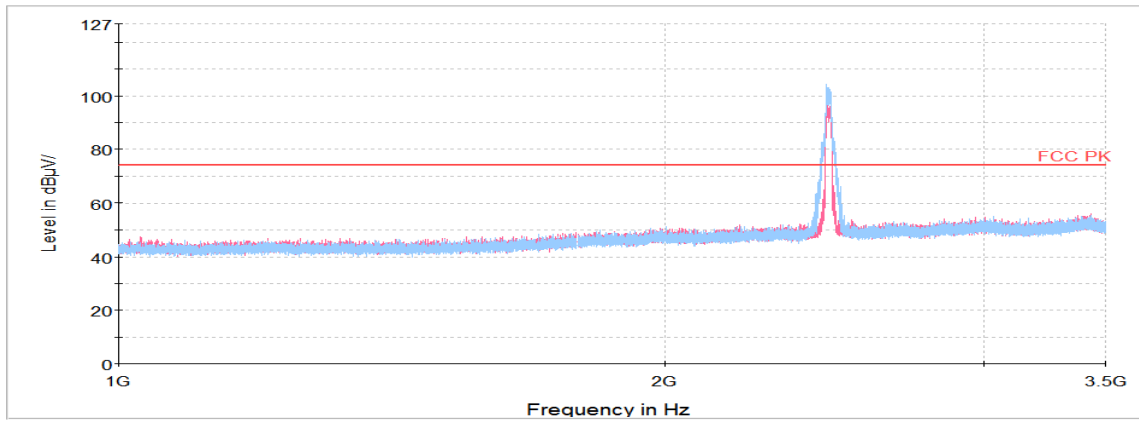


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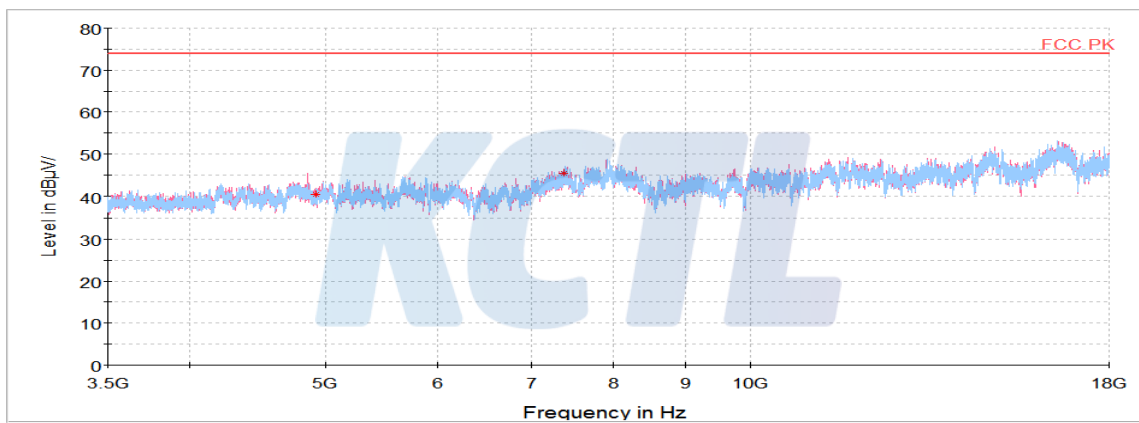
Horizontal/Vertical for Band-edge



Horizontal/Vertical for 1 GHz ~ 3.5 GHz



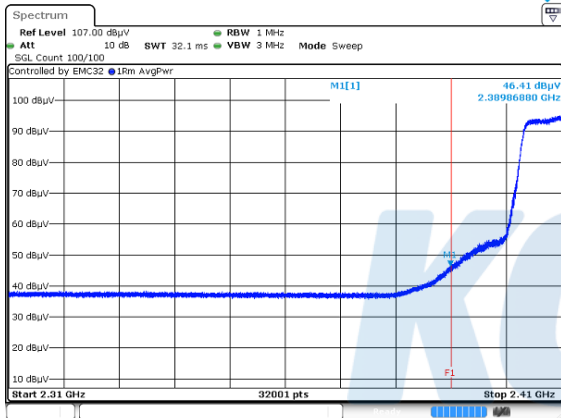
Horizontal/Vertical for 3.5 GHz ~ 18 GHz



802.11ac VHT20_2 412 MHz

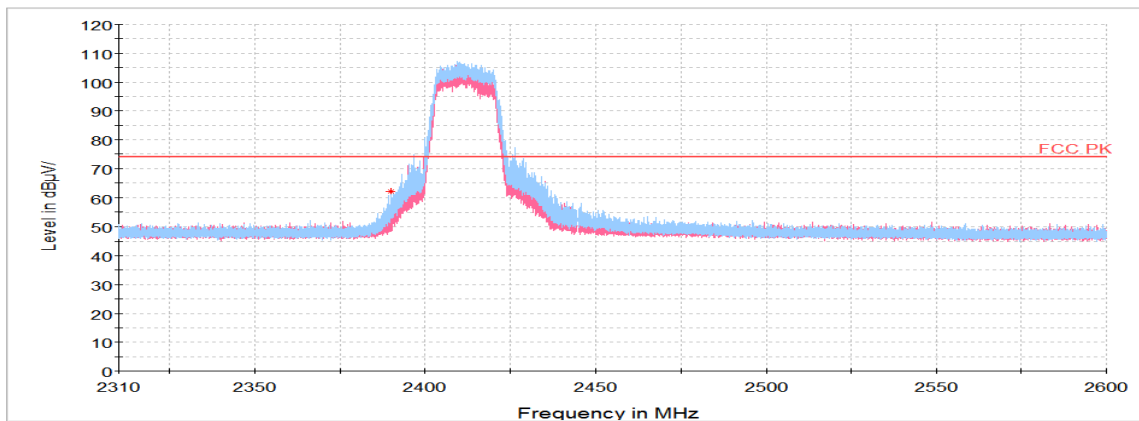
Frequency	Pol.	Reading	Ant. Factor	Amp. + Cable	DCF	Result	Limit	Margin
(MHz)	(V/H)	(dB(μV))	(dB)	(dB)	(dB)	(dB(μV/m))	(dB(μV/m))	(dB)
Peak data								
2 389.88 ¹⁾	H	59.27	31.88	-29.04	-	62.11	74.00	11.89
4 824.94 ¹⁾	H	61.73	33.93	-53.61	-	42.05	74.00	31.95
7 235.56	V	63.07	35.40	-52.97	-	45.50	74.00	28.50
Average Data								
2 389.88 ¹⁾	H	46.41	31.88	-29.04	0.76	50.01	54.00	3.99

Average data

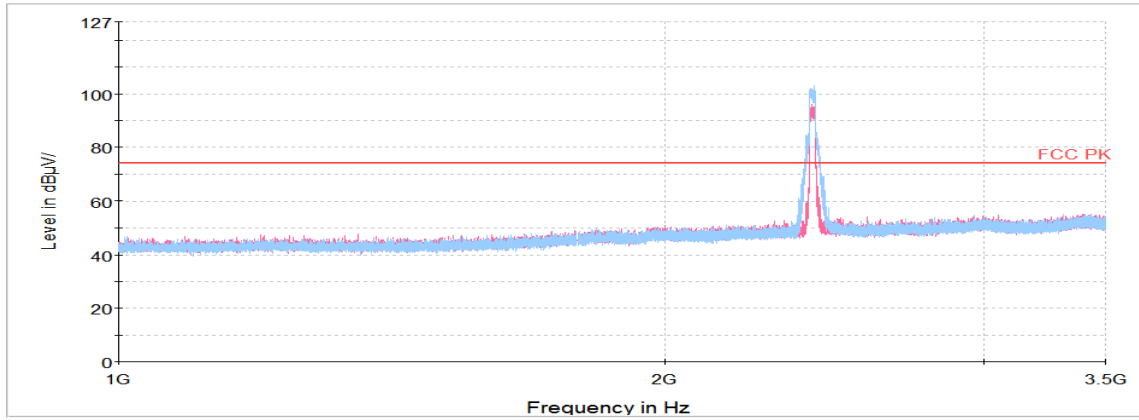


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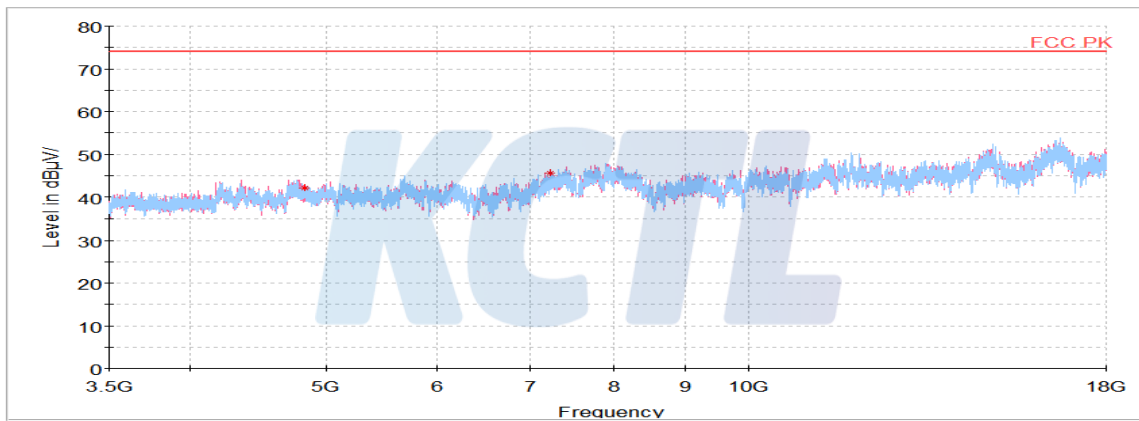
Horizontal/Vertical for Band-edge



Horizontal/Vertical for 1 GHz ~ 3.5 GHz



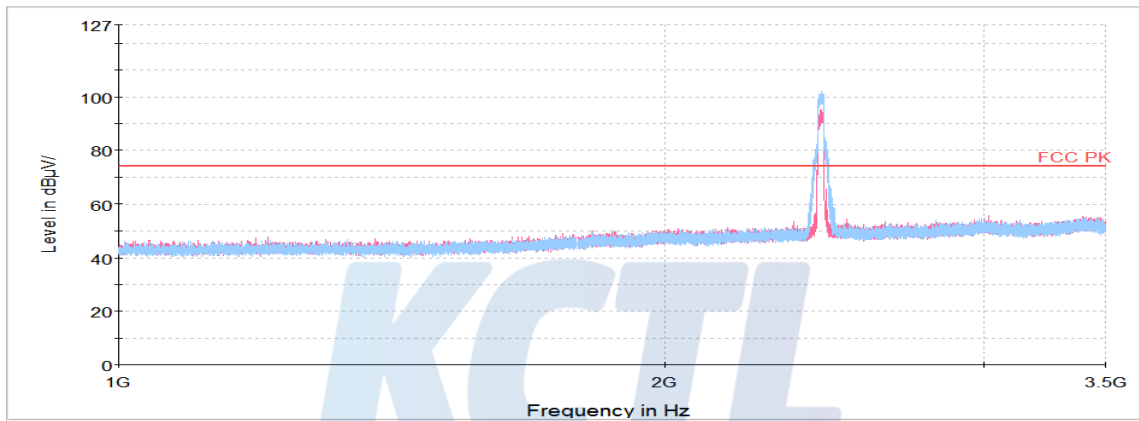
Horizontal/Vertical for 3.5 GHz ~ 18 GHz



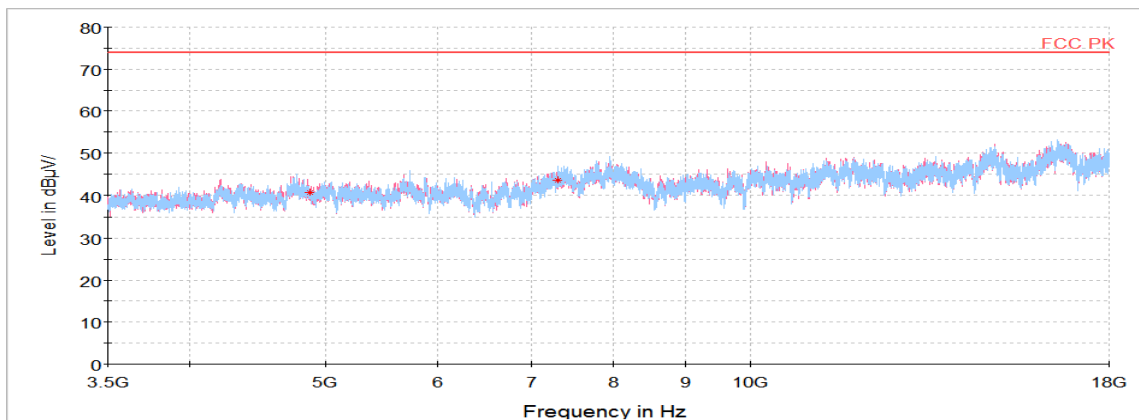
802.11ac VHT20_2 437 MHz

Frequency (MHz)	Pol. (V/H)	Reading (dB(μV))	Ant. Factor (dB)	Amp. + Cable (dB)	DCF (dB)	Result (dB(μV/m))	Limit (dB(μV/m))	Margin (dB)
Peak data								
4 874.33 ¹⁾	H	61.71	33.95	-55.01	-	40.65	74.00	33.35
7 312.14 ¹⁾	H	60.80	35.40	-52.68	-	43.52	74.00	30.48
Average Data								
No spurious emissions were detected within 20 dB of the limit.								

Horizontal/Vertical for 1 GHz ~ 3.5 GHz



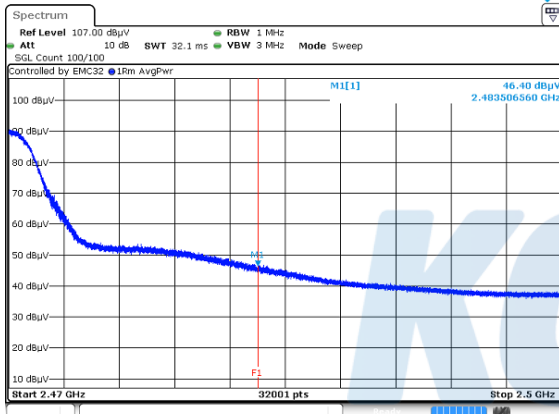
Horizontal/Vertical for 3.5 GHz ~ 18 GHz



802.11ac VHT20_2 462 MHz

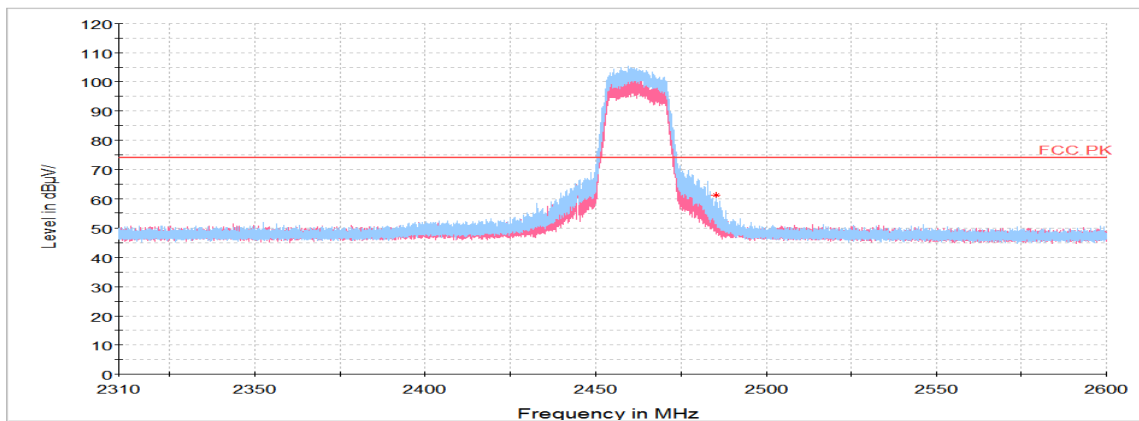
Frequency	Pol.	Reading	Ant. Factor	Amp. + Cable	DCF	Result	Limit	Margin
(MHz)	(V/H)	(dB(μV))	(dB)	(dB)	(dB)	(dB(μV/m))	(dB(μV/m))	(dB)
Peak data								
2 483.51 ¹⁾	H	58.20	32.07	-29.21	-	61.06	74.00	12.94
4 923.27 ¹⁾	V	62.64	33.97	-55.32	-	41.29	74.00	32.71
7 386.00 ¹⁾	H	61.85	35.40	-52.41	-	44.84	74.00	29.16
Average Data								
2 483.51 ¹⁾	H	46.40	32.07	-29.21	0.76	50.02	54.00	3.98

Average data

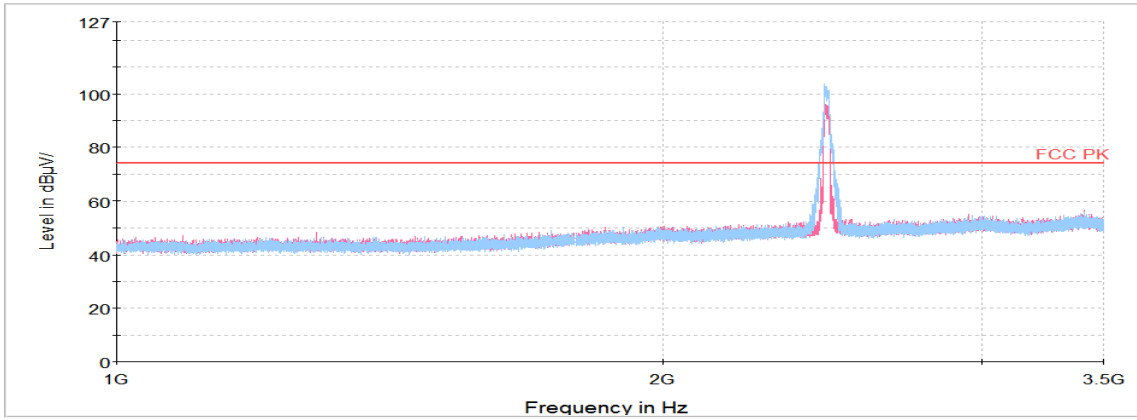


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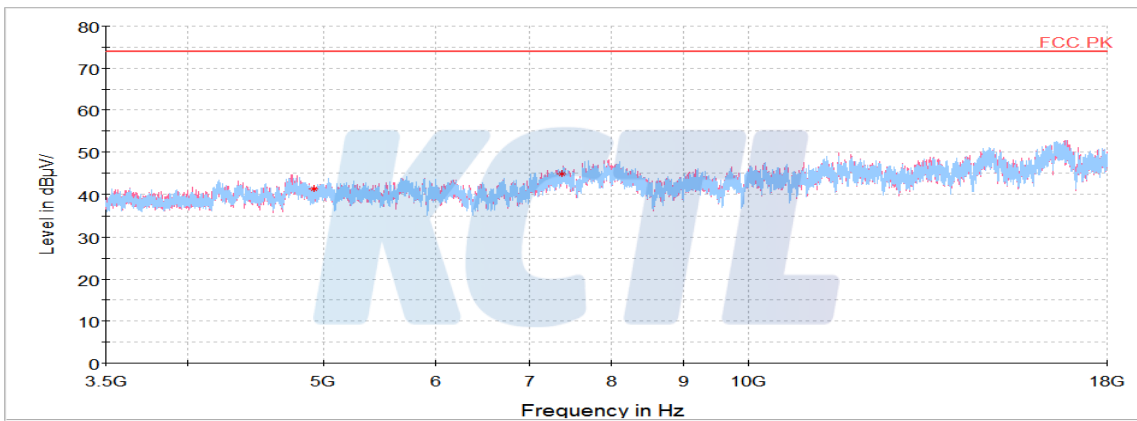
Horizontal/Vertical for Band-edge



Horizontal/Vertical for 1 GHz ~ 3.5 GHz

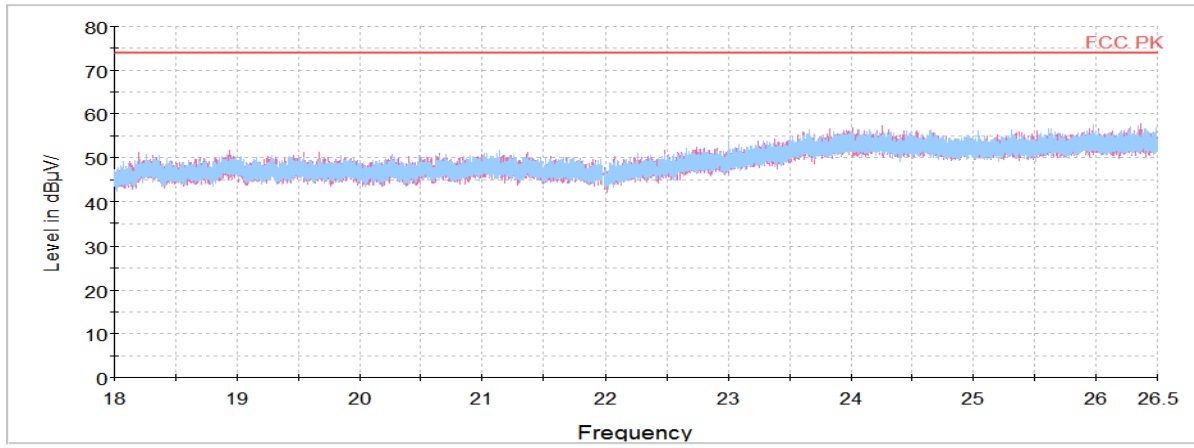


Horizontal/Vertical for 3.5 GHz ~ 18 GHz



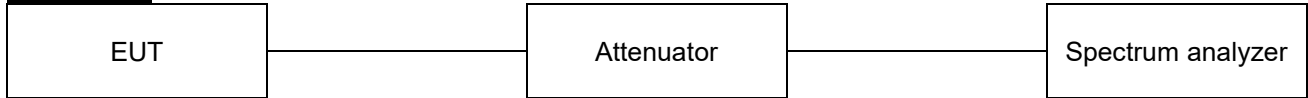
Test results (Above 18 GHz) – Worst case: MIMO_802.11b mode / 2 437 MHz

Horizontal/Vertical for 18 GHz ~ 26.5 GHz



8.5. Conducted Spurious Emission

Test setup



Limit

According to §15.247(d) and RSS-247(5.5), In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operation, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement, provided the transmitter demonstrates compliance with the peak conducted power averaging over a time interval, as permitted under paragraph (b)(3) of this section, the attenuation specified in §15.209(a) is not required. In addition, radiated emission limits specified in §15.209(a) (see §15.205(c)).

Limit : 20 dBc

Test procedure

ANSI C63.10 - Section 11.11.3, 14.3.3

KDB 558074 D01 v05 - Section 8.5

KDB 662911 D01 v02r01 – section (E)(3)(b)

Test settings

Establish an emission level by using the following procedure:

- 1) Set the center frequency and span to encompass frequency range to be measured.
- 2) Set the RBW = 100 kHz
- 3) Set the VBW \geq [3 x RBW]
- 4) Detector = peak
- 5) Sweep time = auto couple
- 6) Trace mode = max hold
- 7) Allow trace to fully stabilize.
- 8) Use the peak marker function to determine the maximum amplitude level.

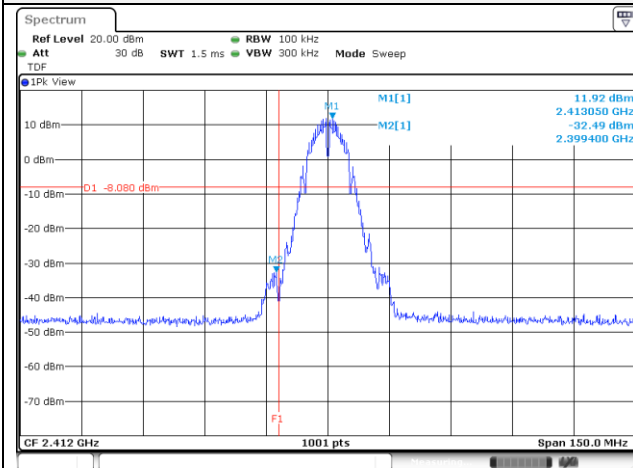
Ensure that the amplitude of all unwanted emissions outside of the authorized frequency band (excluding restricted frequency bands) is attenuated by at least the minimum requirements specified in 11.11. Report the three highest emissions relative to the limit.

Test results

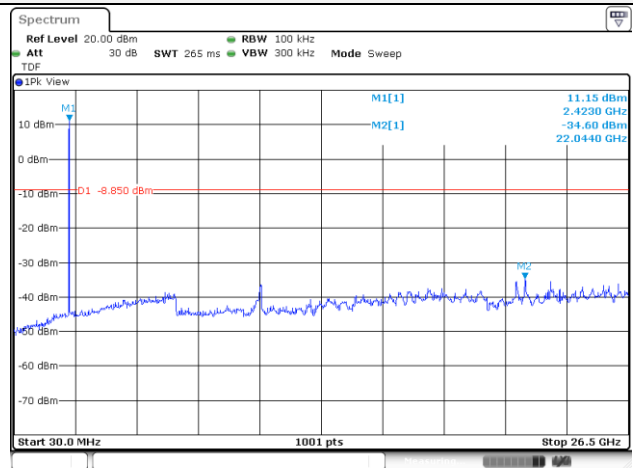
SISO_ANT 1

802.11b

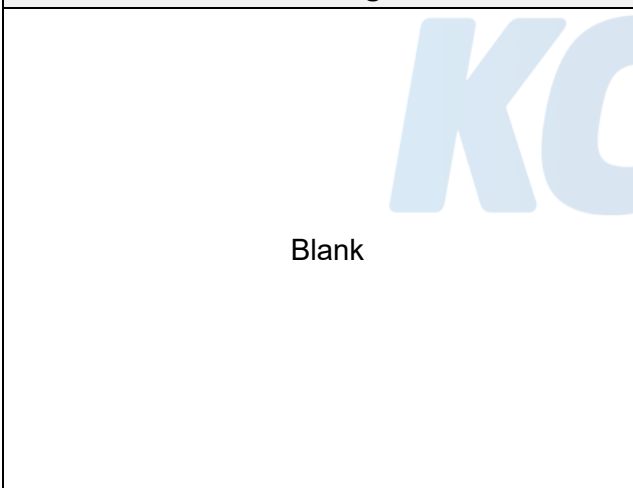
Conducted band-edge / 2 412 MHz



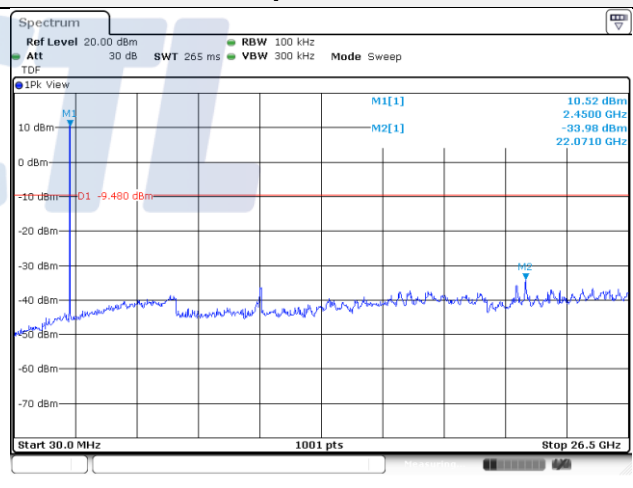
Conducted spurious / 2 412 MHz



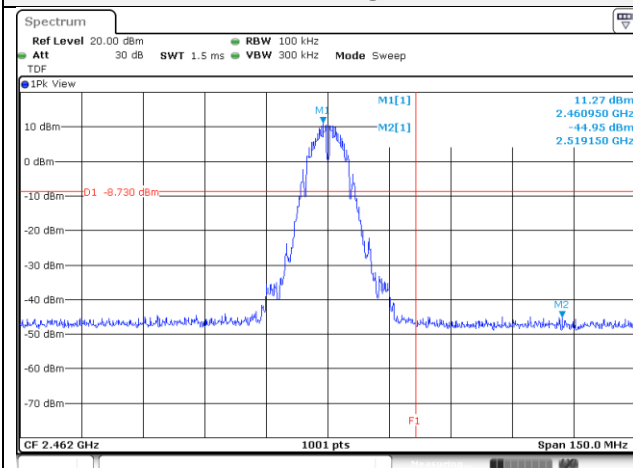
Conducted band-edge / 2 437 MHz



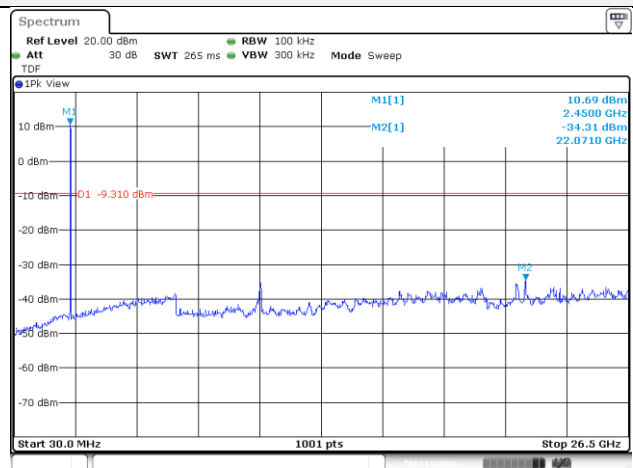
Conducted spurious / 2 437 MHz



Conducted band-edge / 2 462 MHz

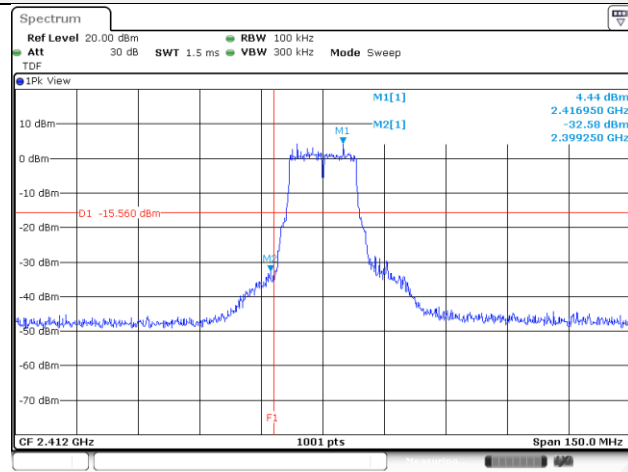


Conducted spurious / 2 462 MHz

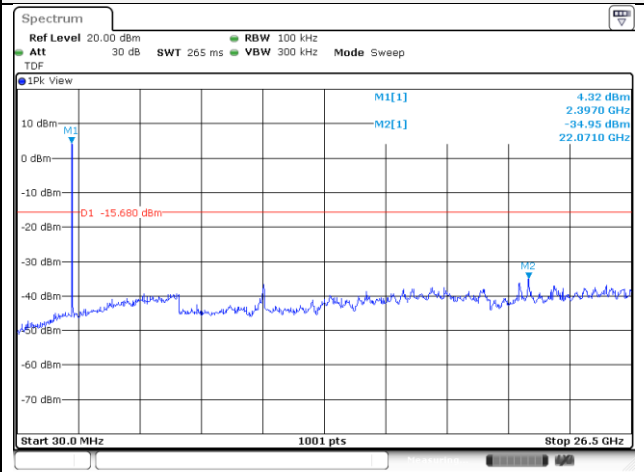


802.11g

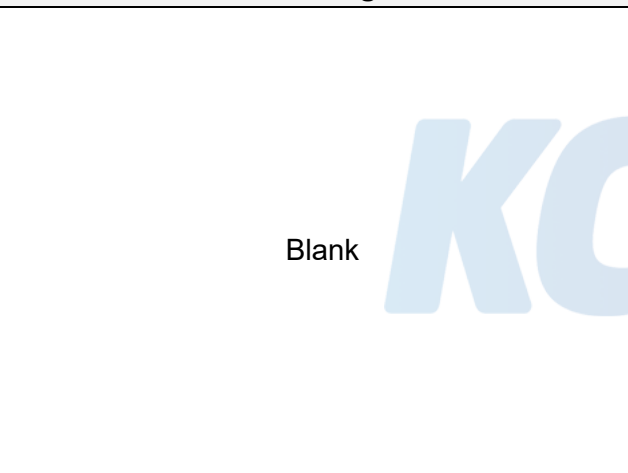
Conducted band-edge / 2 412 MHz



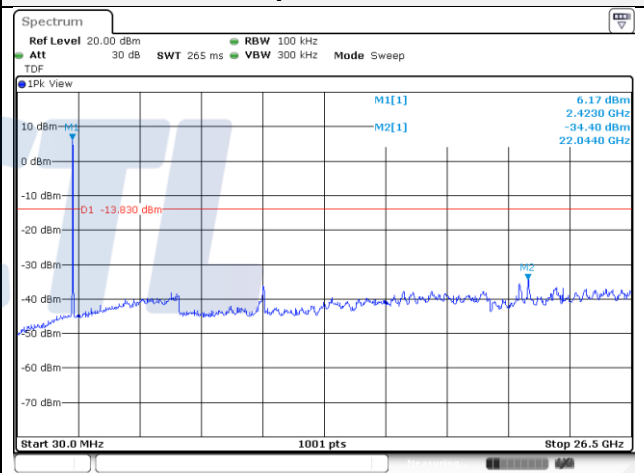
Conducted spurious / 2 412 MHz



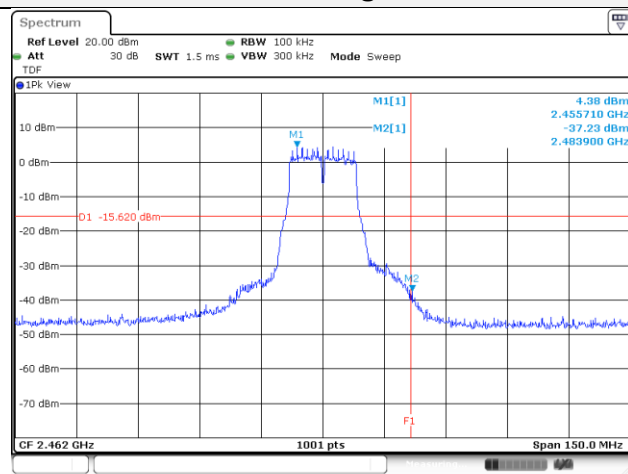
Conducted band-edge / 2 437 MHz



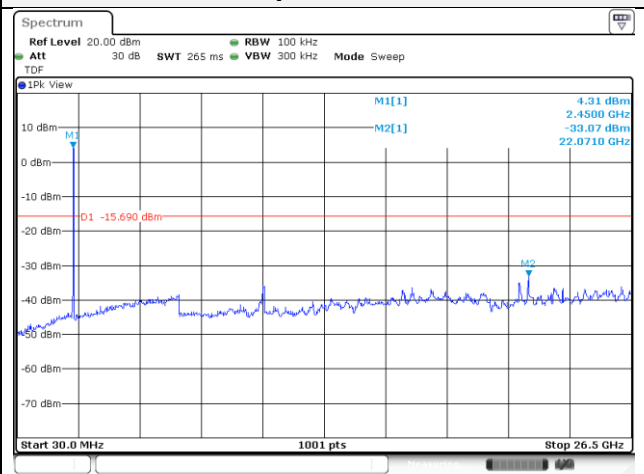
Conducted spurious / 2 437 MHz



Conducted band-edge / 2 462 MHz

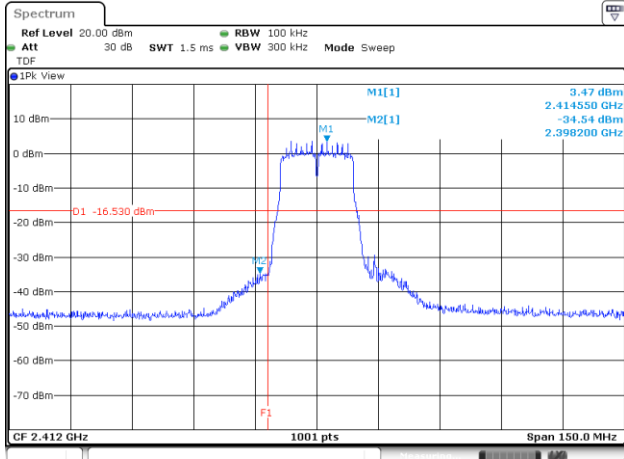


Conducted spurious / 2 462 MHz

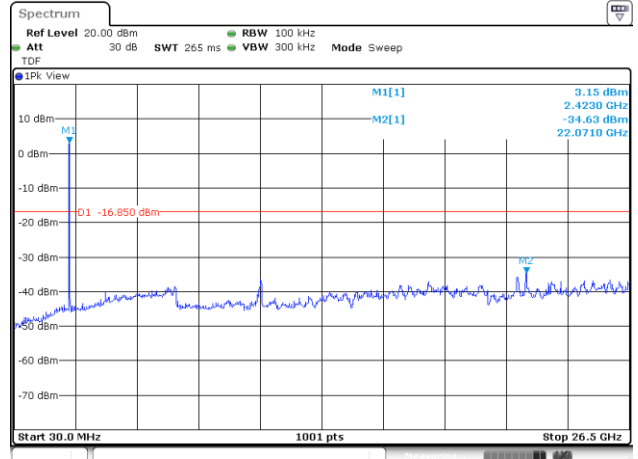


802.11n HT20

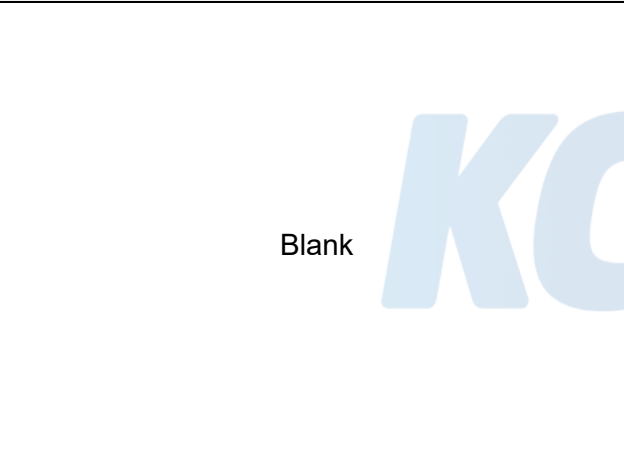
Conducted band-edge / 2 412 MHz



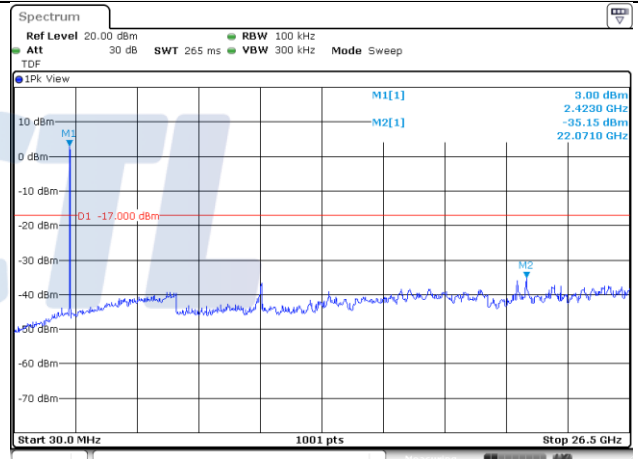
Conducted spurious / 2 412 MHz



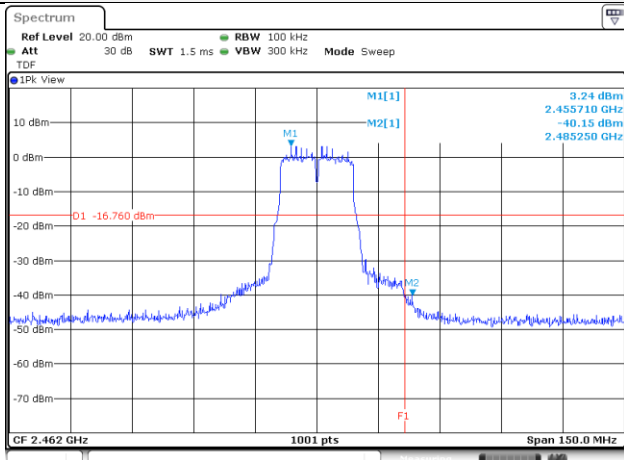
Conducted band-edge / 2 437 MHz



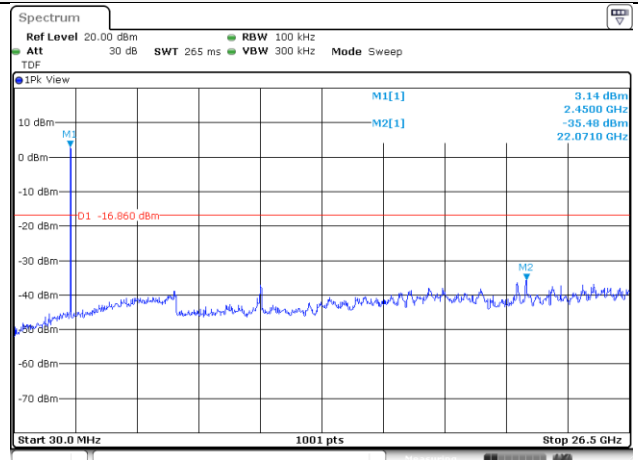
Conducted spurious / 2 437 MHz



Conducted band-edge / 2 462 MHz

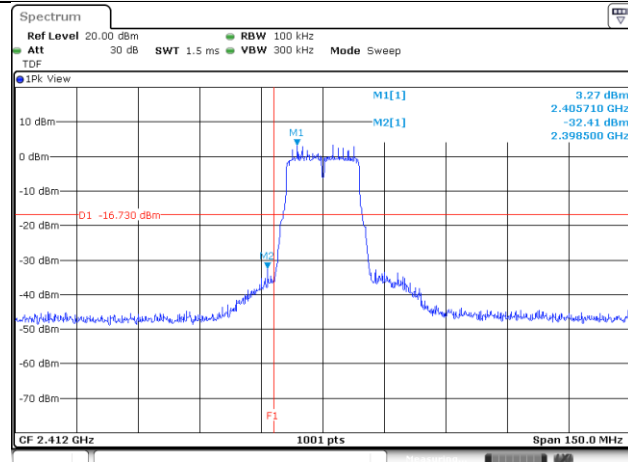


Conducted spurious / 2 462 MHz

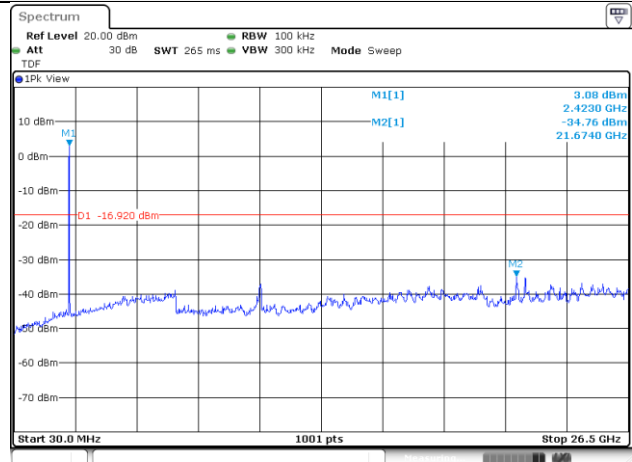


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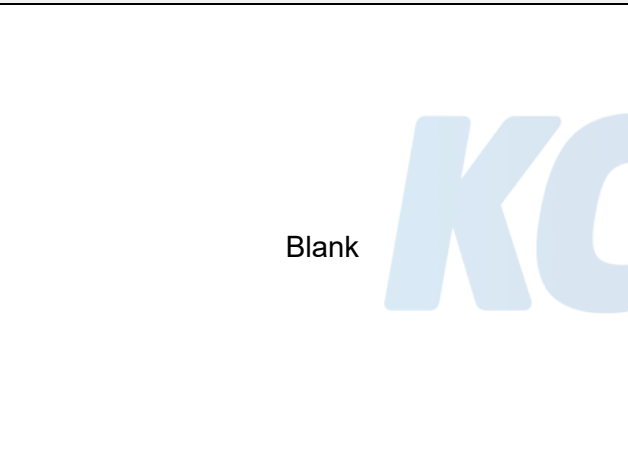
Conducted band-edge / 2 412 MHz



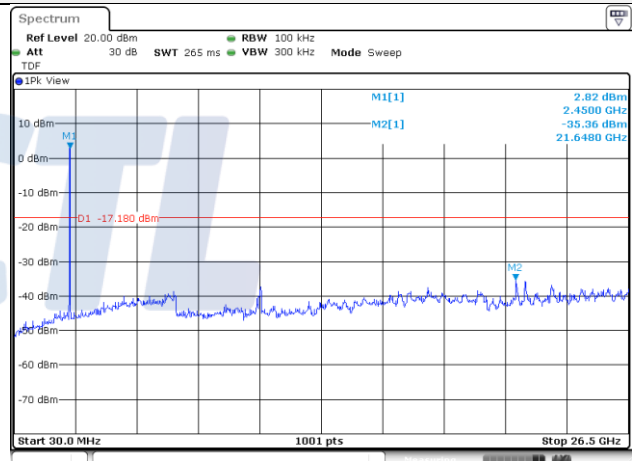
Conducted spurious / 2 412 MHz



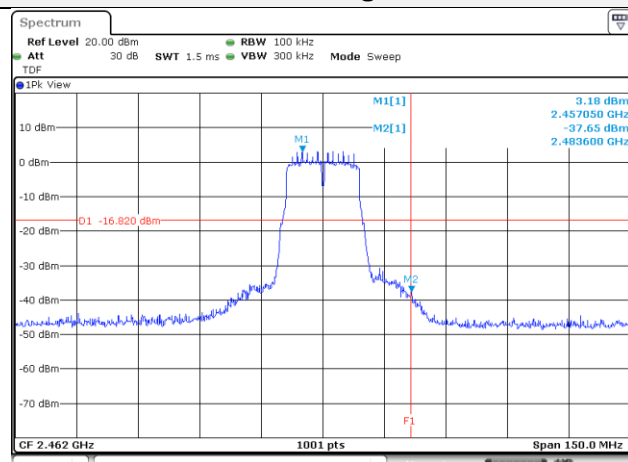
Conducted band-edge / 2 437 MHz



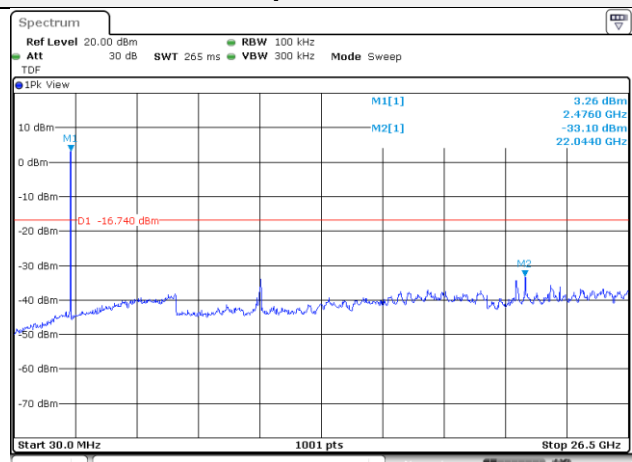
Conducted spurious / 2 437 MHz



Conducted band-edge / 2 462 MHz



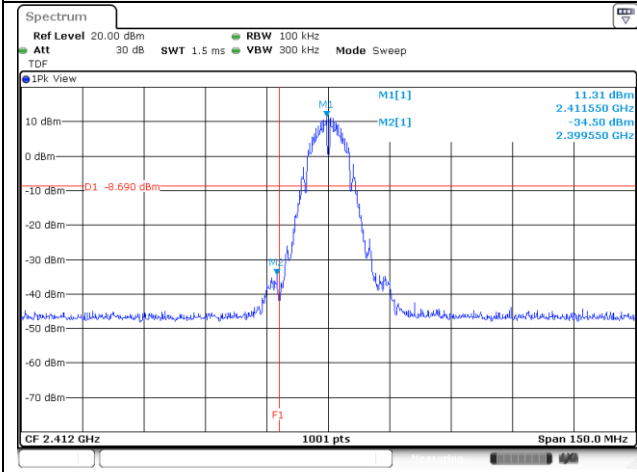
Conducted spurious / 2 462 MHz



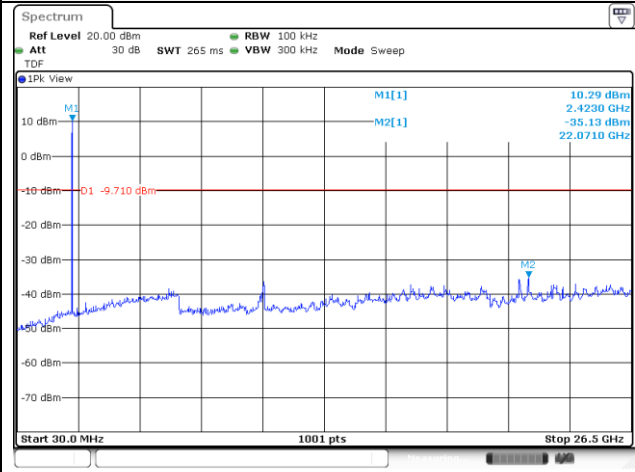
SISO_ANT 2

802.11b

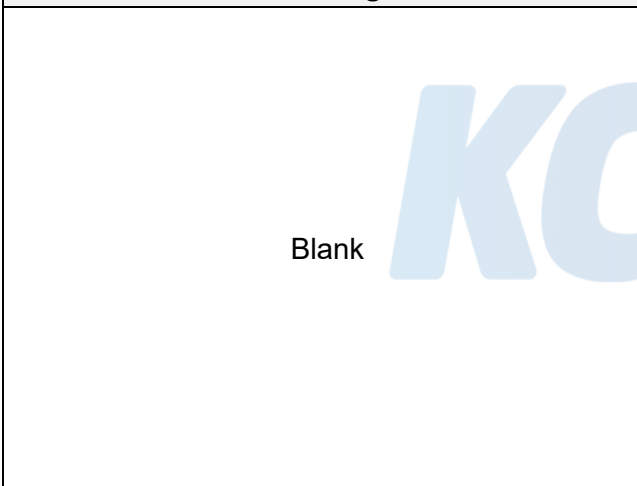
Conducted band-edge / 2 412 MHz



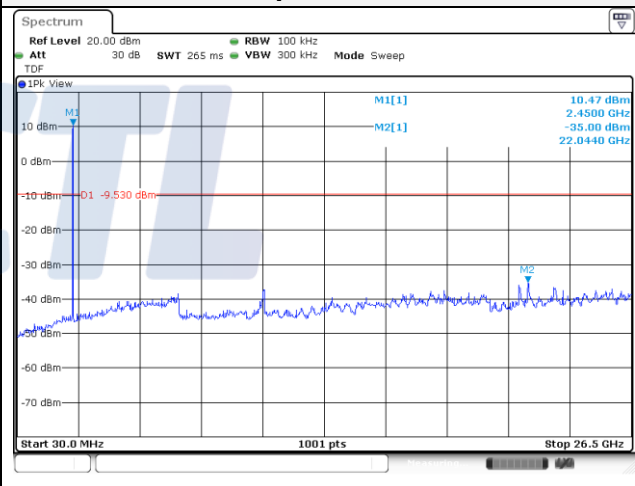
Conducted spurious / 2 412 MHz



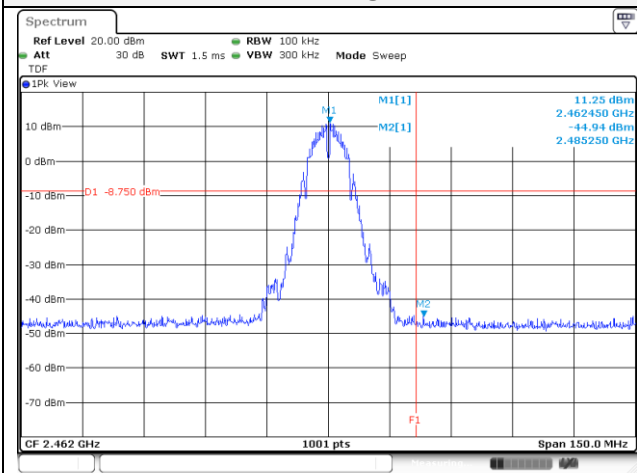
Conducted band-edge / 2 437 MHz



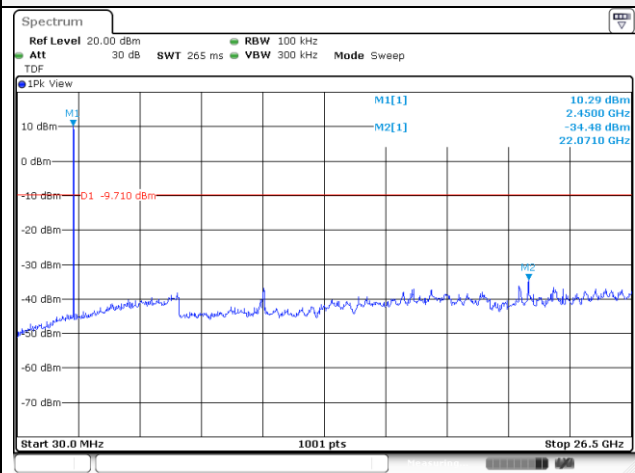
Conducted spurious / 2 437 MHz



Conducted band-edge / 2 462 MHz

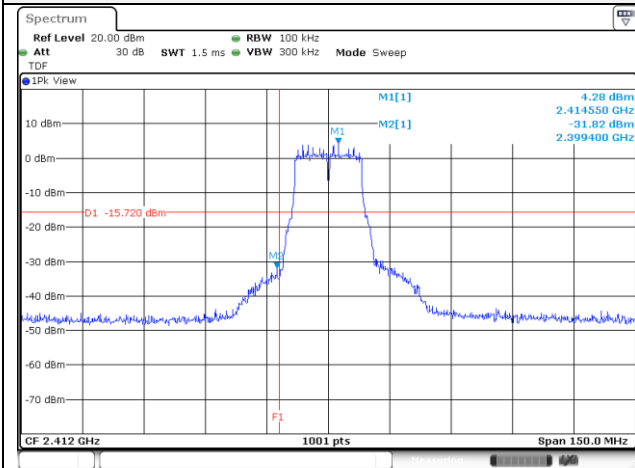


Conducted spurious / 2 462 MHz

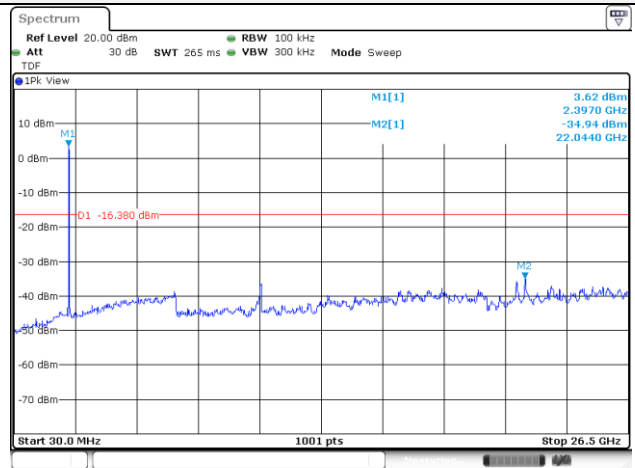


802.11g

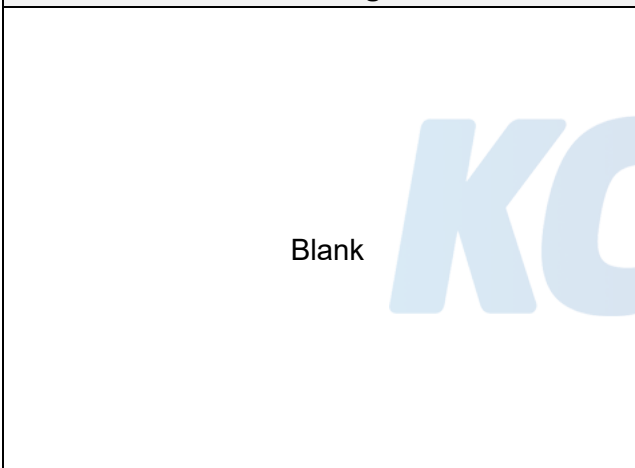
Conducted band-edge / 2 412 MHz



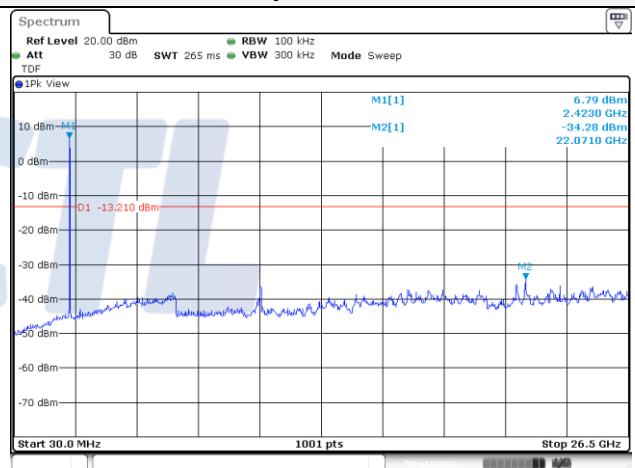
Conducted spurious / 2 412 MHz



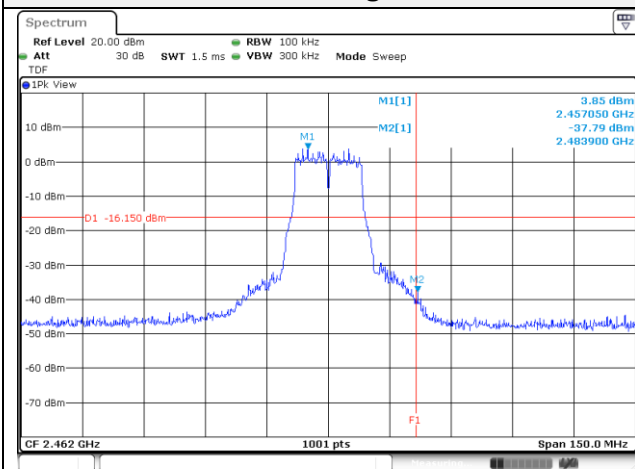
Conducted band-edge / 2 437 MHz



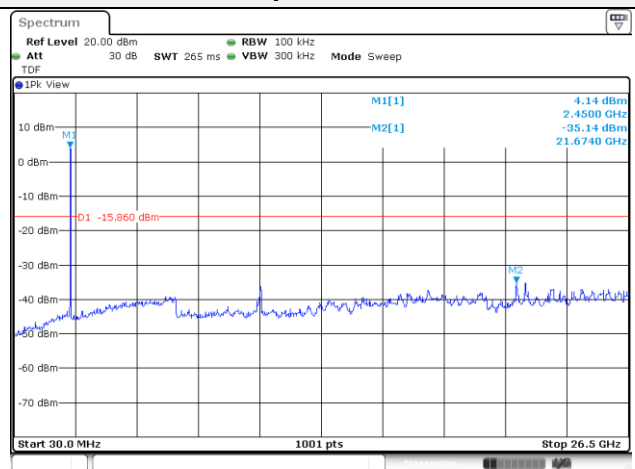
Conducted spurious / 2 437 MHz



Conducted band-edge / 2 462 MHz

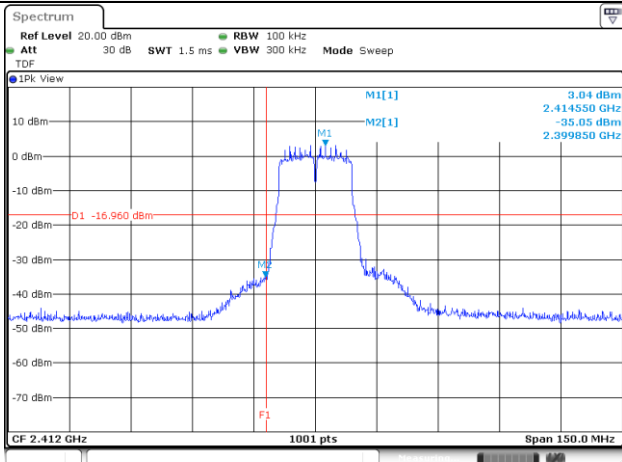


Conducted spurious / 2 462 MHz

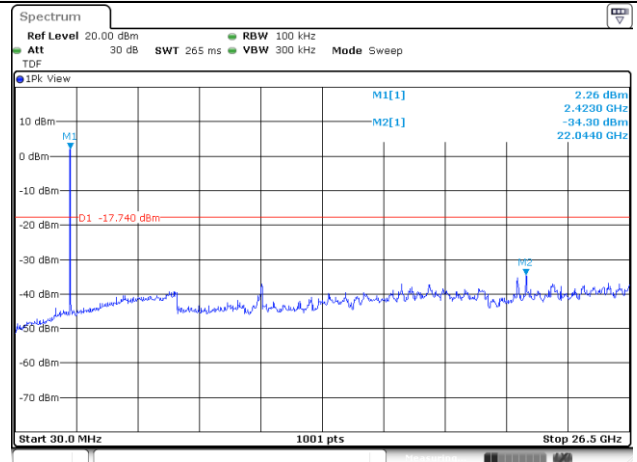


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Conducted band-edge / 2 412 MHz



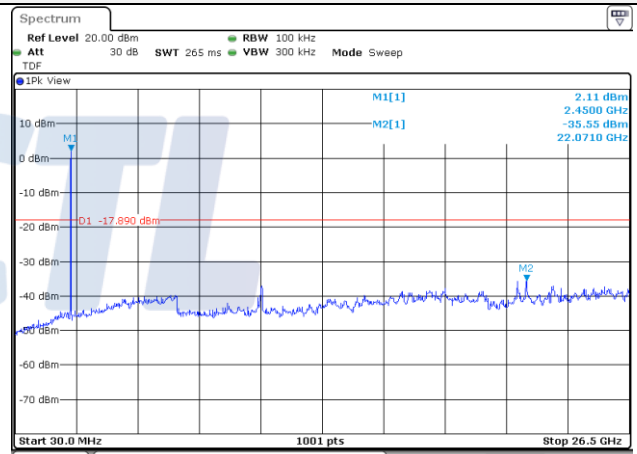
Conducted spurious / 2 412 MHz



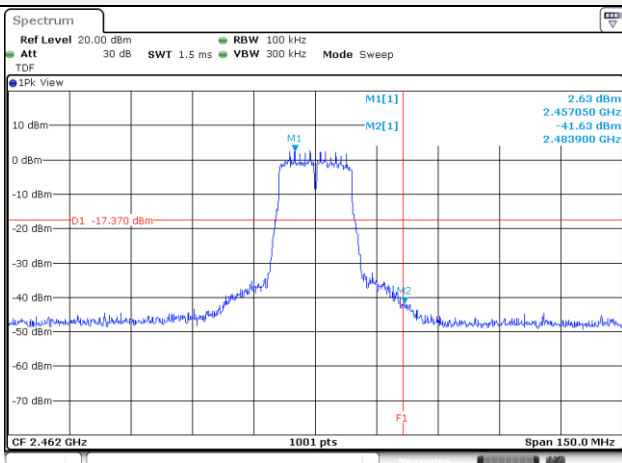
Conducted band-edge / 2 437 MHz

Blank

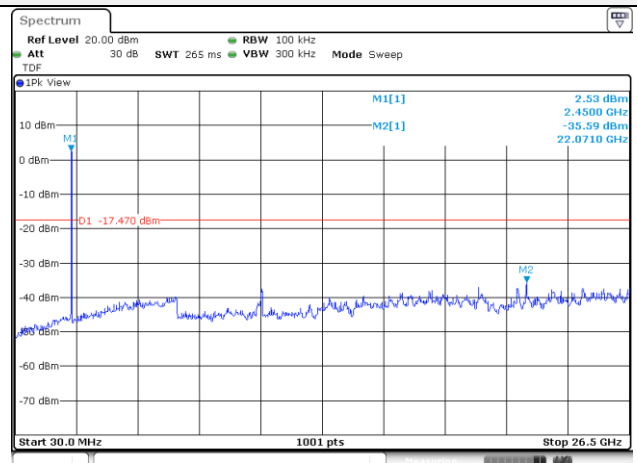
Conducted spurious / 2 437 MHz



Conducted band-edge / 2 462 MHz

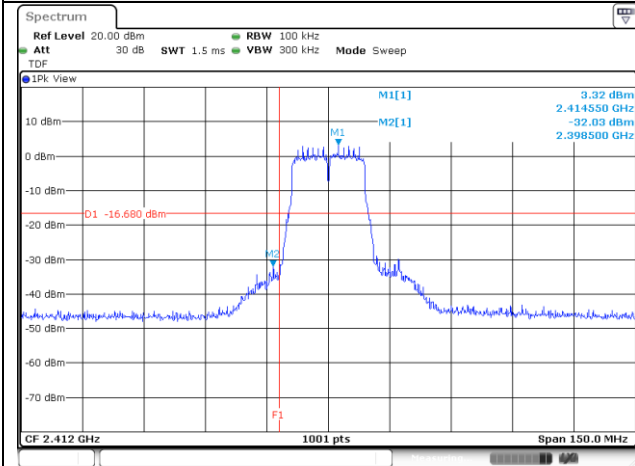


Conducted spurious / 2 462 MHz

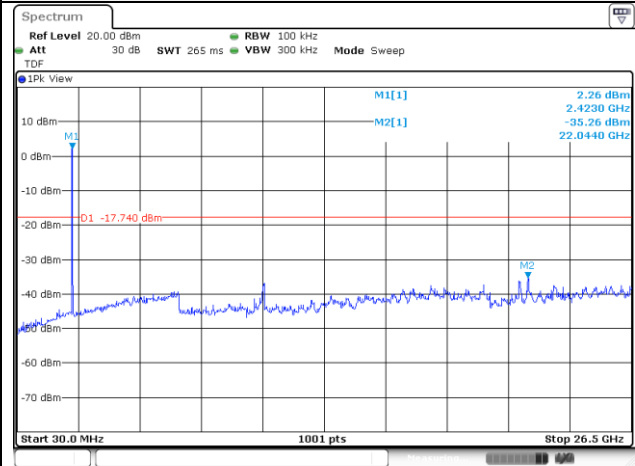


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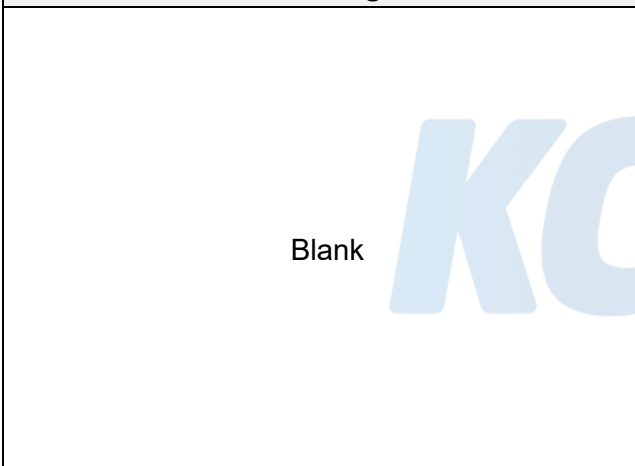
Conducted band-edge / 2 412 MHz



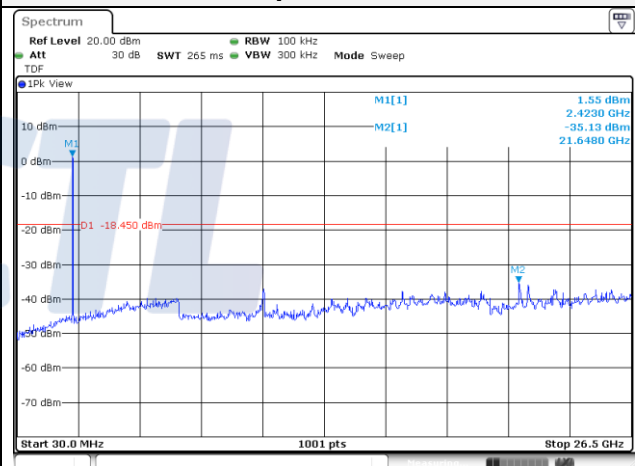
Conducted spurious / 2 412 MHz



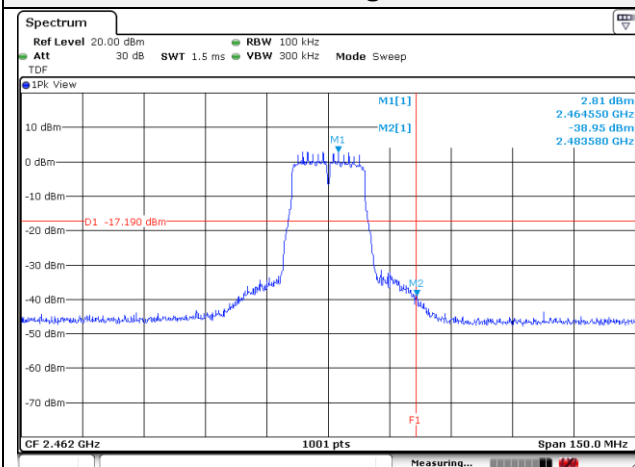
Conducted band-edge / 2 437 MHz



Conducted spurious / 2 437 MHz



Conducted band-edge / 2 462 MHz



Conducted spurious / 2 462 MHz

