802.11n HT20_UNII-2C_ANT1

Lowest Channel (5 500 ㎒)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(㎒)	(V/H)	(dB(㎶))	(dB)	(dB)	(dB)	(dB(㎶/m))	(dB(㎶/m))	(dB)
Peak data								
5 459.81[1)]	H	43.06	34.25	-23.43	-	53.88	74.00	20.12
10 349.63	H	60.35	37.08	-47.96	-	49.47	68.20	18.73
16 420.55	H	57.24	42.33	-44.79	-	54.78	68.20	13.42
Average Data								
5 459.81[1)]	H	35.82	34.25	-23.43	0.32	46.96	54.00	7.04

Middle Channel (5 600 ㎒)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(㎒)	(V/H)	(dB(㎶))	(dB)	(dB)	(dB)	(dB(㎶/m))	(dB(㎶/m))	(dB)
Peak data								
11 390.02[1)]	V	58.66	37.89	-47.65	-	48.90	74.00	25.10
16 917.56	V	56.10	42.87	-44.50	-	54.47	68.20	13.73
Average Data								
No spurious emissions were detected within 20 dB of the limit.								

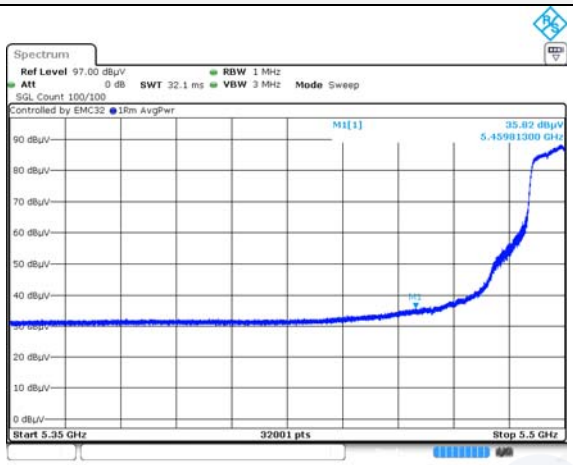
Highest Channel (5 700 ㎒)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(㎒)	(V/H)	(dB(㎶))	(dB)	(dB)	(dB)	(dB(㎶/m))	(dB(㎶/m))	(dB)
Peak data								
5 725.19	H	47.85	34.71	-22.97		59.59	68.20	8.61
11 423.08[1)]	V	58.34	37.92	-47.65		48.61	74.00	25.39
16 950.63	V	56.63	42.92	-44.50		55.05	68.20	13.15
Average Data								
No spurious emissions were detected within 20 dB of the limit.								

802.11n HT20_UNII-2C_ANT1

Lowest Channel (5 500 ㎒)

Average data



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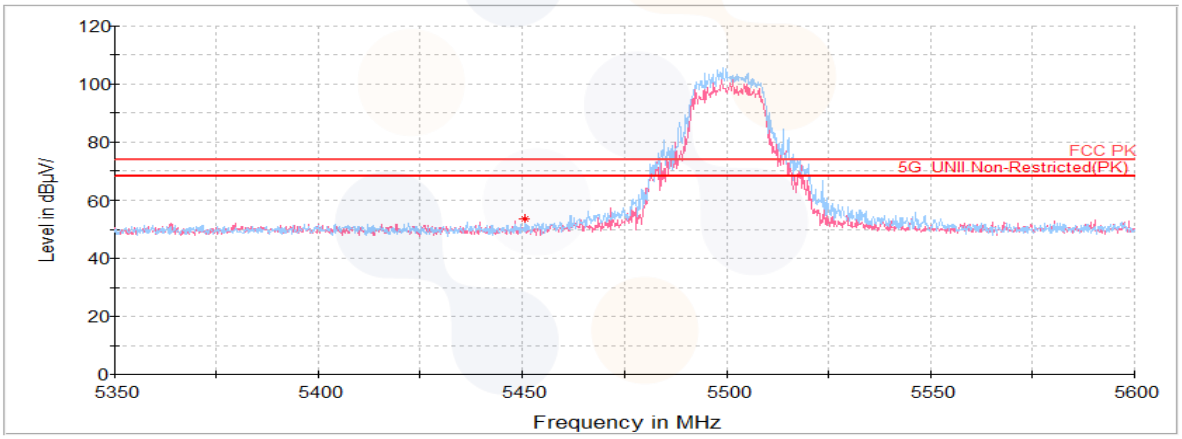
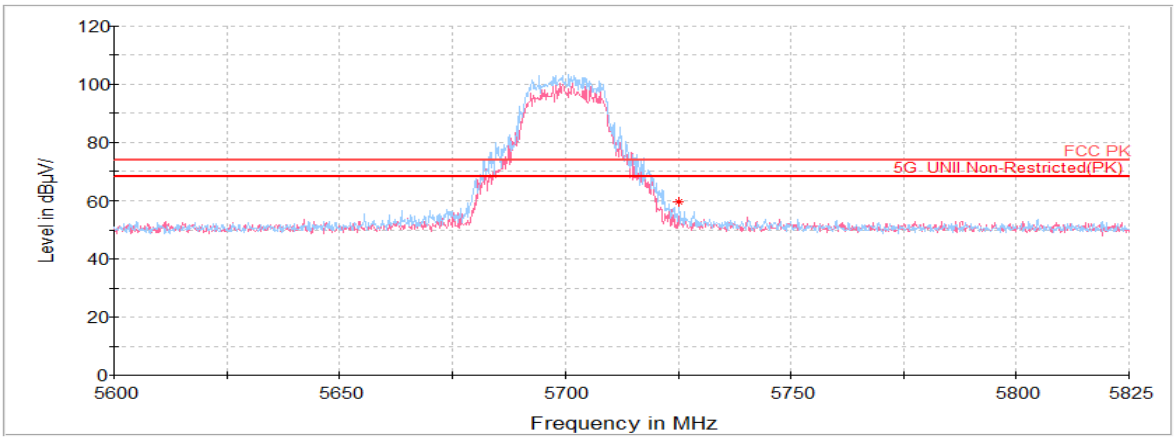
Horizontal/Vertical for Band-edge



Highest Channel (5 700 ㎒)

Horizontal/Vertical for Band-edge



802.11n HT20_UNII-2C_ANT2

Lowest Channel (5 500 ㎒)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(㎒)	(V/H)	(dB(㎶))	(dB)	(dB)	(dB)	(dB(㎶/m))	(dB(㎶/m))	(dB)
Peak data								
5 459.90[1)]	H	43.08	34.25	-23.43	-	53.90	74.00	20.10
10 994.70[1)]	V	58.70	37.50	-47.69	-	48.51	74.00	25.49
16 549.92	H	55.67	42.28	-44.49	-	53.46	68.20	14.74
Average Data								
5 459.90[1)]	H	35.56	34.25	-23.43	0.32	46.70	54.00	7.30

Middle Channel (5 600 ㎒)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(㎒)	(V/H)	(dB(㎶))	(dB)	(dB)	(dB)	(dB(㎶/m))	(dB(㎶/m))	(dB)
Peak data								
11 335.39[1)]	H	58.50	37.84	-47.66	-	48.68	74.00	25.32
16 785.67	H	55.15	42.66	-44.50	-	53.31	68.20	14.89
Average Data								
No spurious emissions were detected within 20 dB of the limit.								

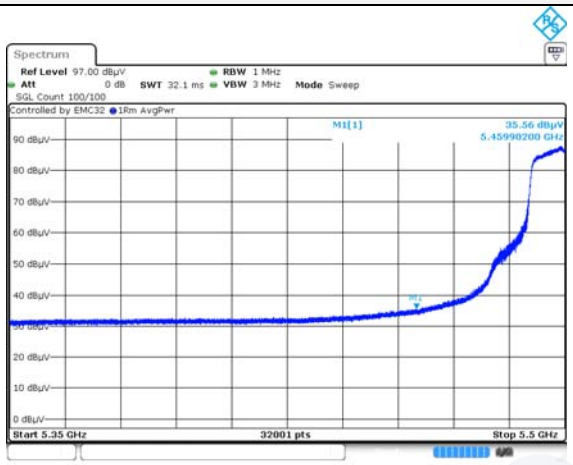
Highest Channel (5 700 ㎒)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(㎒)	(V/H)	(dB(㎶))	(dB)	(dB)	(dB)	(dB(㎶/m))	(dB(㎶/m))	(dB)
Peak data								
5 727.59	H	47.81	34.71	-22.96	-	59.56	68.20	8.64
11 361.98[1)]	V	58.22	37.86	-47.65	-	48.43	74.00	25.57
17 016.75	H	56.09	41.68	-44.54	-	53.23	68.20	14.97
Average Data								
No spurious emissions were detected within 20 dB of the limit.								

802.11n HT20_UNII-2C_ANT2

Lowest Channel (5 500 ㎒)

Average data



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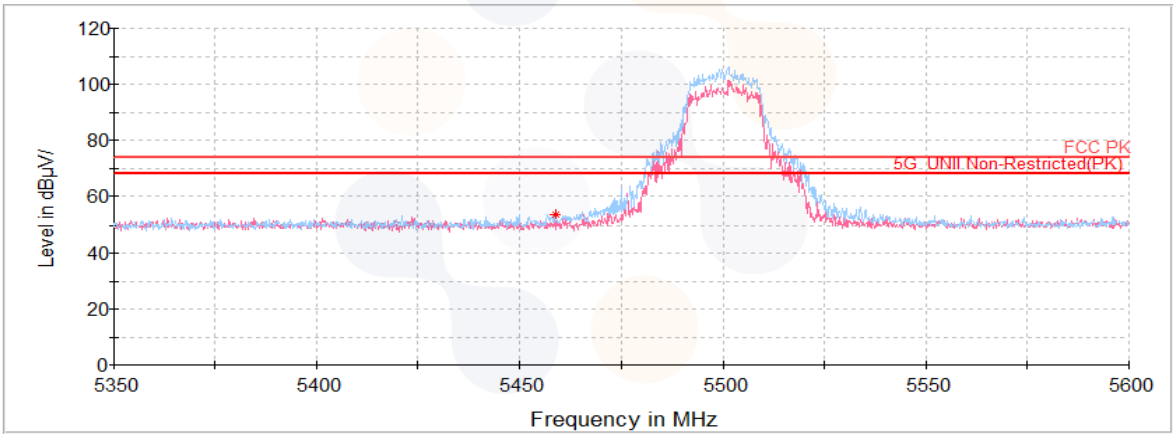
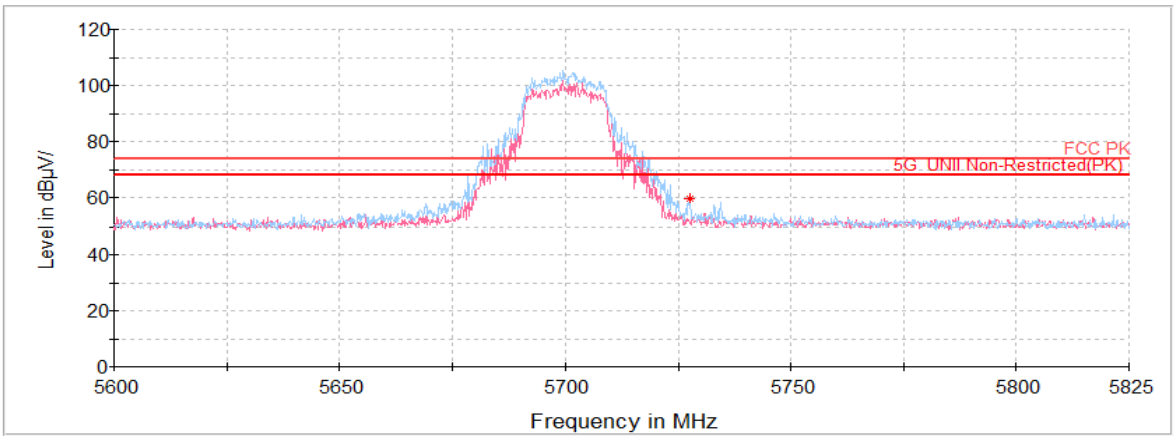
Horizontal/Vertical for Band-edge



Highest Channel (5 700 ㎒)

Horizontal/Vertical for Band-edge



802.11n HT20_UNII-2C_2TX MIMO

Lowest Channel (5 500 ㎒)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(㎒)	(V/H)	(dB(㎶))	(dB)	(dB)	(dB)	(dB(㎶/m))	(dB(㎶/m))	(dB)
Peak data								
5 459.81[1)]	H	43.85	34.25	-23.43	-	54.67	74.00	19.33
10 998.30[1)]	H	58.19	37.50	-47.69	-	48.00	74.00	26.00
16 575.08	V	55.70	42.32	-44.49	-	53.53	68.20	14.67
Average Data								
5 459.81[1)]	H	37.50	34.25	-23.43	0.31	48.63	54.00	5.37

Middle Channel (5 600 ㎒)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(㎒)	(V/H)	(dB(㎶))	(dB)	(dB)	(dB)	(dB(㎶/m))	(dB(㎶/m))	(dB)
Peak data								
11 208.17[1)]	V	57.86	37.71	-47.67	-	47.90	74.00	26.10
16 756.92	H	55.24	42.61	-44.49	-	53.36	68.20	14.84
Average Data								
No spurious emissions were detected within 20 dB of the limit.								

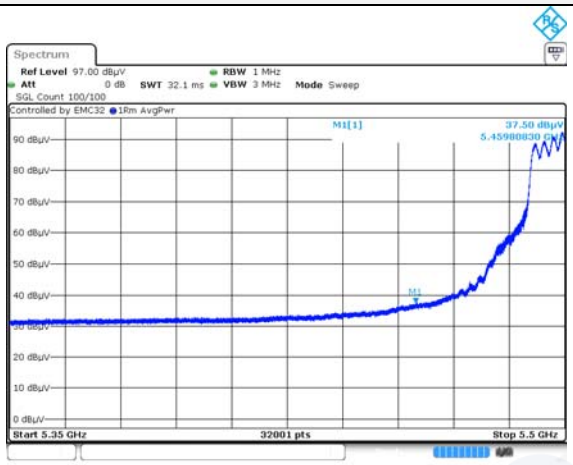
Highest Channel (5 700 ㎒)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(㎒)	(V/H)	(dB(㎶))	(dB)	(dB)	(dB)	(dB(㎶/m))	(dB(㎶/m))	(dB)
Peak data								
5 733.95	H	47.12	34.72	-22.94	-	58.90	68.20	9.30
11 388.58[1)]	H	57.95	37.89	-47.65	-	48.19	74.00	25.81
17 113.78	H	55.25	41.59	-44.71	-	52.13	68.20	16.07
Average Data								
No spurious emissions were detected within 20 dB of the limit.								

802.11n HT20_UNII-2C_2TX MIMO

Lowest Channel (5 500 ㎒)

Average data



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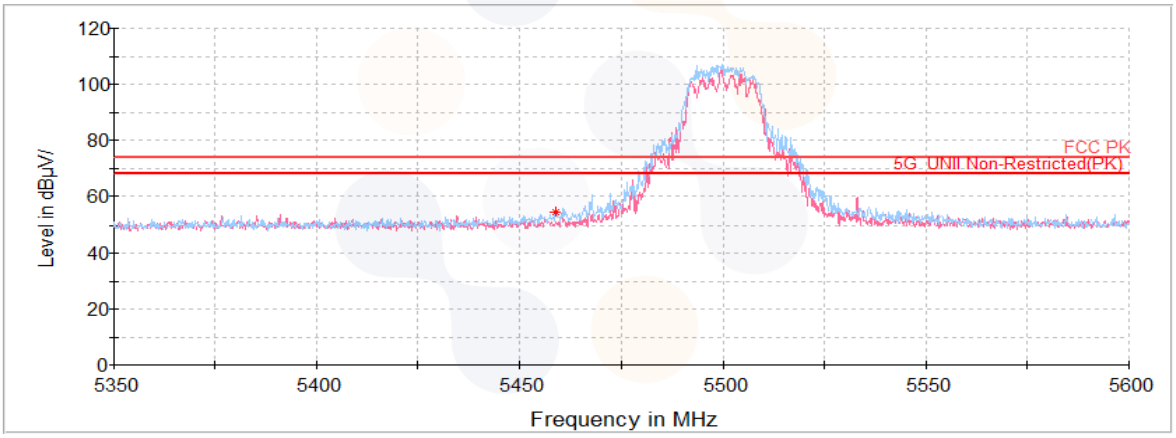
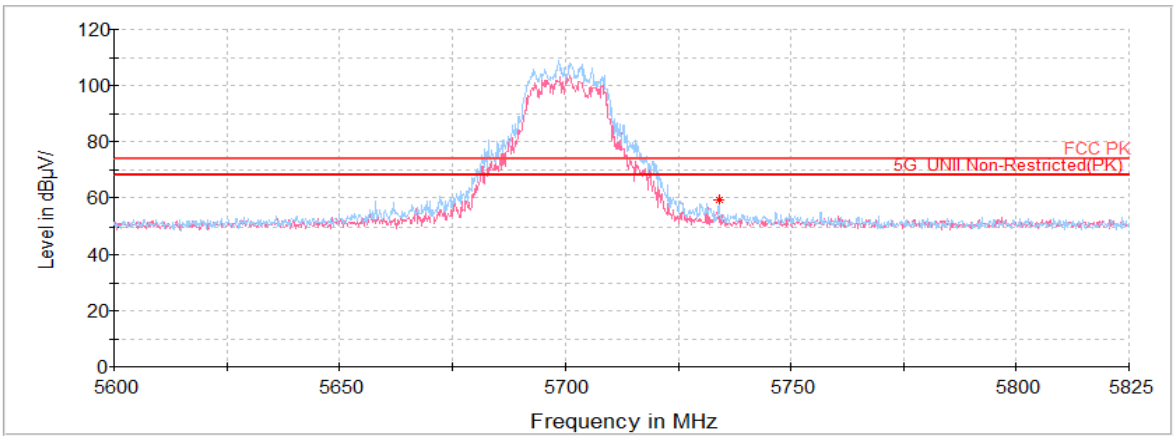
Horizontal/Vertical for Band-edge



Highest Channel (5 700 ㎒)

Horizontal/Vertical for Band-edge



802.11n HT40_UNII-2C_ANT1

Lowest Channel (5 510 ㎒)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(㎒)	(V/H)	(dB(㎶))	(dB)	(dB)	(dB)	(dB(㎶/m))	(dB(㎶/m))	(dB)
Peak data								
5 459.99[1)]	H	43.41	34.25	-23.43	-	54.23	74.00	19.77
11 214.28[1)]	V	59.13	37.71	-47.67	-	49.17	74.00	24.83
16 565.02	V	57.77	42.30	-44.49	-	55.58	68.20	12.62
Average Data								
5 459.99[1)]	H	34.93	34.25	-23.43	0.62	46.37	54.00	7.63

Middle Channel (5 590 ㎒)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(㎒)	(V/H)	(dB(㎶))	(dB)	(dB)	(dB)	(dB(㎶/m))	(dB(㎶/m))	(dB)
Peak data								
11 404.39[1)]	V	59.88	37.90	-47.65	-	50.13	74.00	23.87
16 827.00	V	55.88	42.72	-44.50	-	54.10	68.20	14.10
Average Data								
No spurious emissions were detected within 20 dB of the limit.								

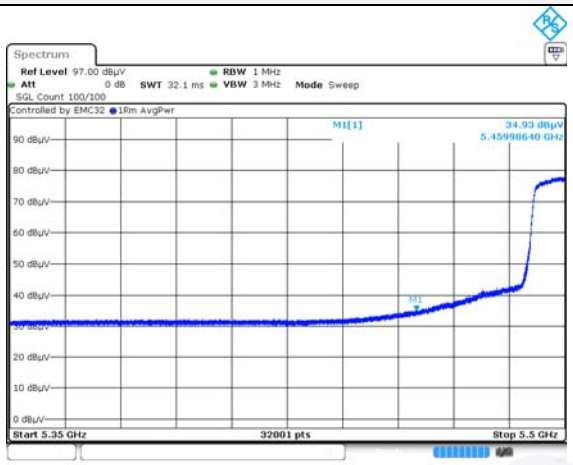
Highest Channel (5 670 ㎒)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(㎒)	(V/H)	(dB(㎶))	(dB)	(dB)	(dB)	(dB(㎶/m))	(dB(㎶/m))	(dB)
Peak data								
5 730.69	H	42.44	34.72	-22.95	-	54.21	68.20	13.99
11 352.28[1)]	H	59.03	37.85	-47.65	-	49.23	74.00	24.77
16 938.77	V	55.76	42.90	-44.50	-	54.16	68.20	14.04
Average Data								
No spurious emissions were detected within 20 dB of the limit.								

802.11n HT40_UNII-2C_ANT1

Lowest Channel (5 510 ㎒)

Average data



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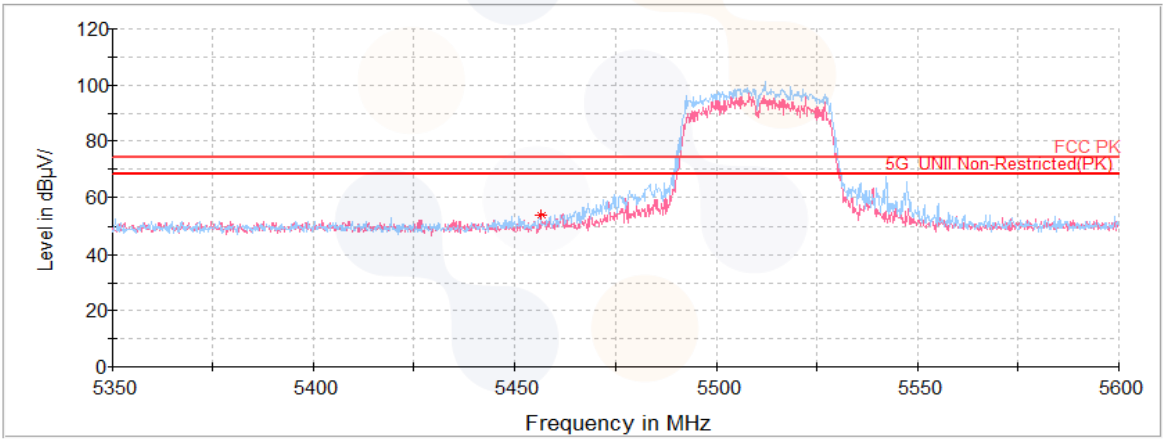
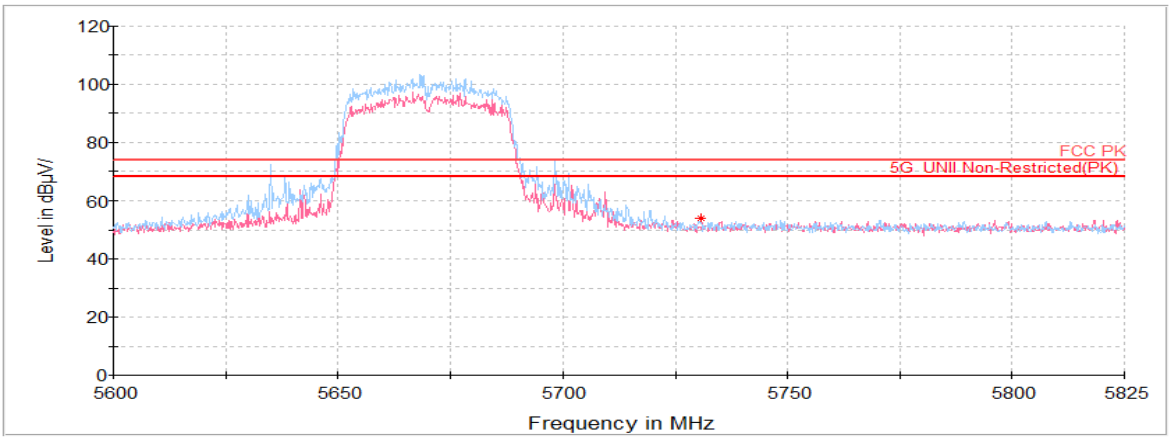
Horizontal/Vertical for Band-edge



Highest Channel (5 670 ㎒)

Horizontal/Vertical for Band-edge



802.11n HT40_UNII-2C_ANT2

Lowest Channel (5 510 ㎒)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(㎒)	(V/H)	(dB(㎶))	(dB)	(dB)	(dB)	(dB(㎶/m))	(dB(㎶/m))	(dB)
Peak data								
5 459.57[1)]	H	43.23	34.25	-23.43	-	54.05	74.00	19.95
11 018.78[1)]	V	57.70	37.52	-47.69	-	47.53	74.00	26.47
16 590.53	V	56.24	42.34	-44.49	-	54.09	68.20	14.11
Average Data								
5 459.57[1)]	H	37.28	34.25	-23.43	0.62	48.72	54.00	5.28

Middle Channel (5 590 ㎒)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(㎒)	(V/H)	(dB(㎶))	(dB)	(dB)	(dB)	(dB(㎶/m))	(dB(㎶/m))	(dB)
Peak data								
11 185.53[1)]	H	57.99	37.69	-47.67	-	48.01	74.00	25.99
16 763.75	V	55.99	42.62	-44.50	-	54.11	68.20	14.09
Average Data								
No spurious emissions were detected within 20 dB of the limit.								

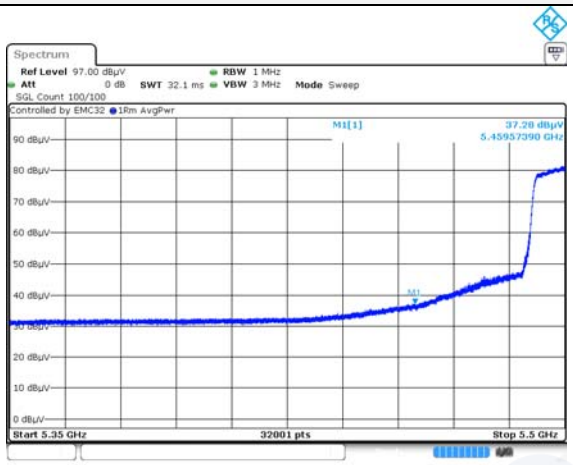
Highest Channel (5 670 ㎒)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(㎒)	(V/H)	(dB(㎶))	(dB)	(dB)	(dB)	(dB(㎶/m))	(dB(㎶/m))	(dB)
Peak data								
5 726.56	H	43.63	34.71	-22.96	-	55.38	68.20	12.82
11 341.86[1)]	H	58.73	37.84	-47.65	-	48.92	74.00	25.08
16 989.44	V	55.27	42.98	-44.51	-	53.74	68.20	14.46
Average Data								
No spurious emissions were detected within 20 dB of the limit.								

802.11n HT40_UNII-2C_ANT2

Lowest Channel (5 510 ㎒)

Average data



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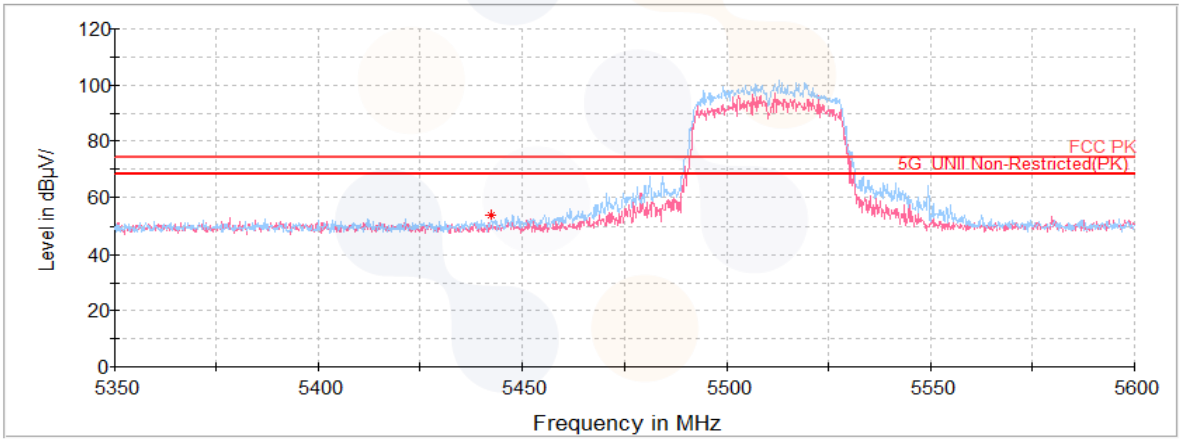
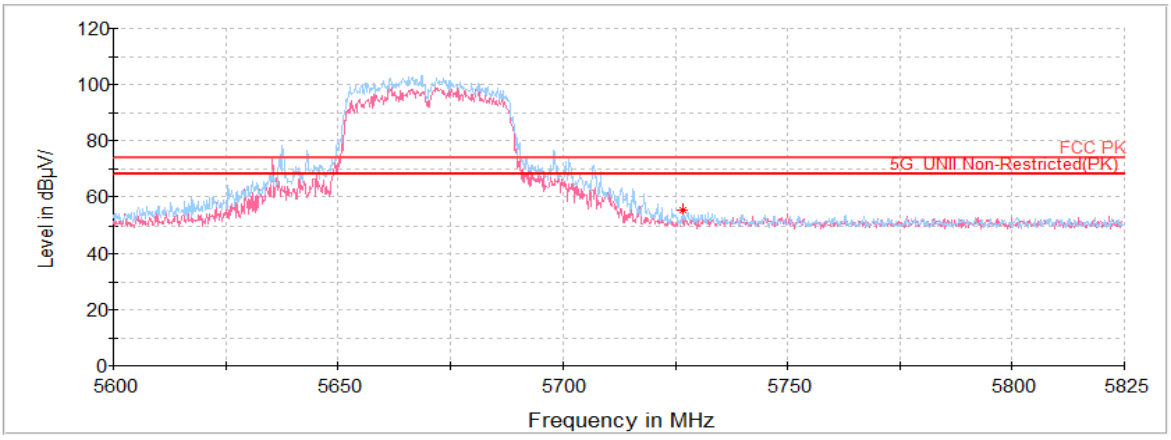
Horizontal/Vertical for Band-edge



Highest Channel (5 670 ㎒)

Horizontal/Vertical for Band-edge



802.11n HT40_UNII-2C_2TX MIMO

Lowest Channel (5 510 ㎒)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(㎒)	(V/H)	(dB(㎶))	(dB)	(dB)	(dB)	(dB(㎶/m))	(dB(㎶/m))	(dB)
Peak data								
5 458.43[1)]	H	44.99	34.25	-23.43	-	55.81	74.00	18.19
11 154.63[1)]	H	57.11	37.65	-47.67	-	47.09	74.00	26.91
15 549.06[1)]	H	56.46	40.34	-46.82	-	49.98	74.00	24.02
Average Data								
5 458.43[1)]	H	40.30	34.25	-23.43	0.61	51.73	54.00	2.27

Middle Channel (5 590 ㎒)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(㎒)	(V/H)	(dB(㎶))	(dB)	(dB)	(dB)	(dB(㎶/m))	(dB(㎶/m))	(dB)
Peak data								
11 185.53[1)]	H	58.00	37.69	-47.67	-	48.02	74.00	25.98
16 742.91	H	55.98	42.59	-44.49	-	54.08	68.20	14.12
Average Data								
No spurious emissions were detected within 20 dB of the limit.								

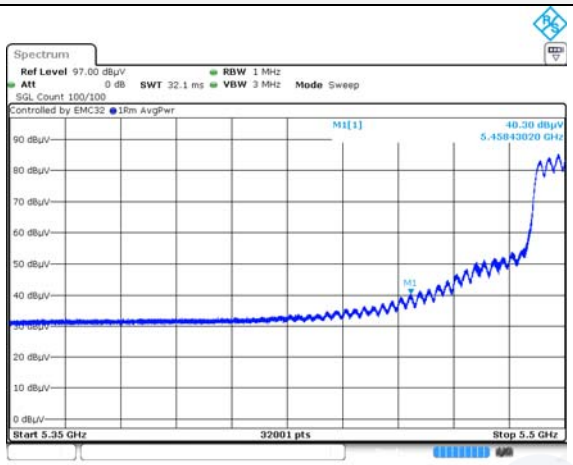
Highest Channel (5 670 ㎒)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(㎒)	(V/H)	(dB(㎶))	(dB)	(dB)	(dB)	(dB(㎶/m))	(dB(㎶/m))	(dB)
Peak data								
5 726.91	V	43.90	34.71	-22.96	-	55.65	68.20	12.55
11 343.30[1)]	V	58.03	37.84	-47.65	-	48.22	74.00	25.78
17 078.56	V	55.36	41.62	-44.65	-	52.33	68.20	15.87
Average Data								
No spurious emissions were detected within 20 dB of the limit.								

802.11n HT40_UNII-2C_2TX MIMO

Lowest Channel (5 510 ㎒)

Average data



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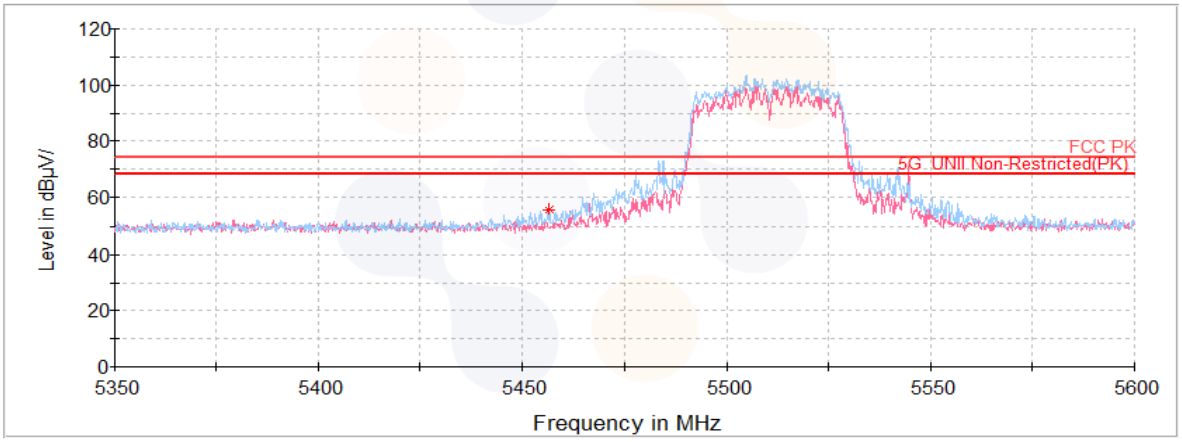
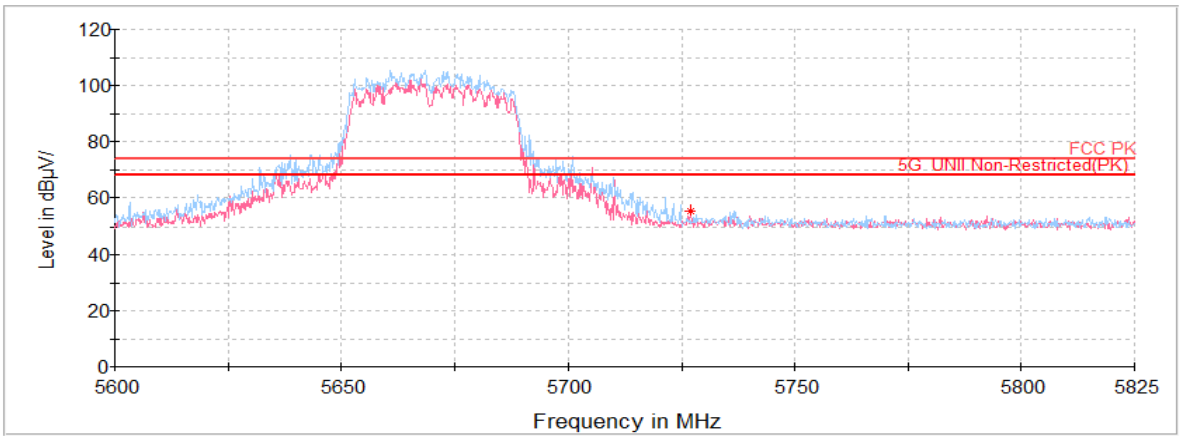
Horizontal/Vertical for Band-edge



Highest Channel (5 670 ㎒)

Horizontal/Vertical for Band-edge



802.11ac VHT20_UNII-2C_ANT1

Lowest Channel (5 500 ㎒)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(㎒)	(V/H)	(dB(㎶))	(dB)	(dB)	(dB)	(dB(㎶/m))	(dB(㎶/m))	(dB)
Peak data								
5 459.96[1)]	H	42.21	34.25	-23.43	-	53.03	74.00	20.97
11 208.17[1)]	V	58.41	37.71	-47.67	-	48.45	74.00	25.55
16 559.98	V	56.23	42.30	-44.49	-	54.04	68.20	14.16
Average Data								
5 459.96[1)]	H	35.17	34.25	-23.43	0.32	46.31	54.00	7.69

Middle Channel (5 600 ㎒)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(㎒)	(V/H)	(dB(㎶))	(dB)	(dB)	(dB)	(dB(㎶/m))	(dB(㎶/m))	(dB)
Peak data								
11 199.19[1)]	H	58.17	37.70	-47.67	-	48.20	74.00	25.80
16 774.53	H	56.55	42.64	-44.50	-	54.69	68.20	13.51
Average Data								
No spurious emissions were detected within 20 dB of the limit.								

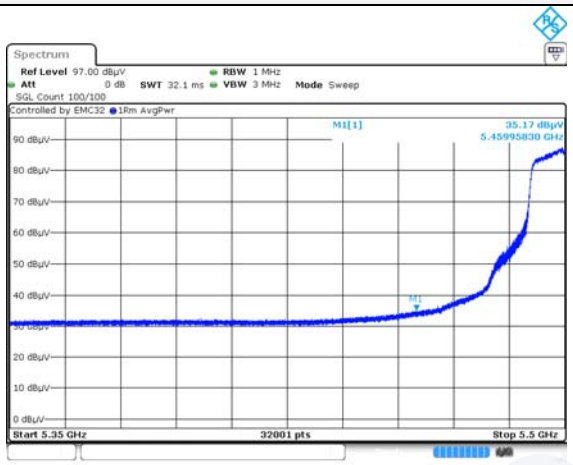
Highest Channel (5 700 ㎒)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(㎒)	(V/H)	(dB(㎶))	(dB)	(dB)	(dB)	(dB(㎶/m))	(dB(㎶/m))	(dB)
Peak data								
5 738.77	H	43.47	34.73	-22.92	-	55.28	68.20	12.92
11 206.38[1)]	H	60.17	37.71	-47.67	-	50.21	74.00	23.79
17 010.64	V	57.21	41.69	-44.53	-	54.37	68.20	13.83
Average Data								
No spurious emissions were detected within 20 dB of the limit.								

802.11ac VHT20_UNII-2C_ANT1

Lowest Channel (5 500 ㎒)

Average data



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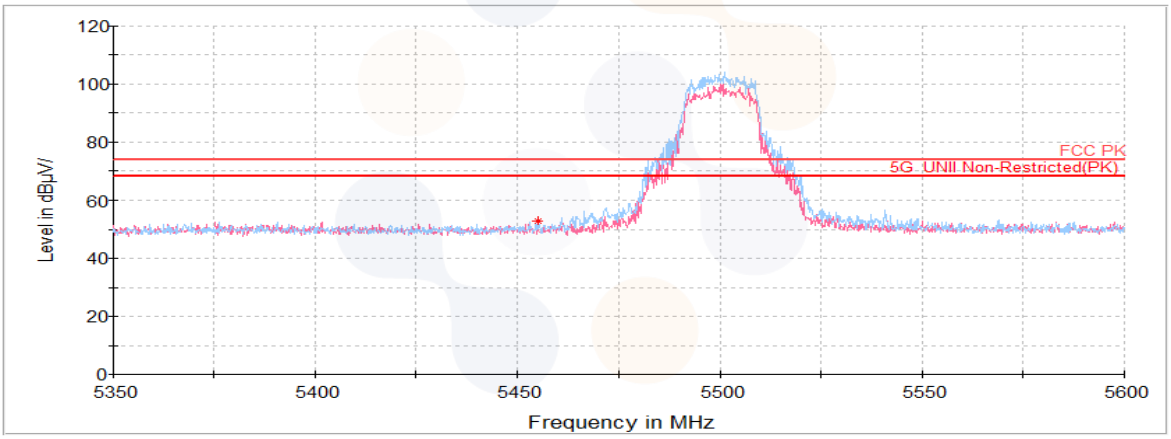
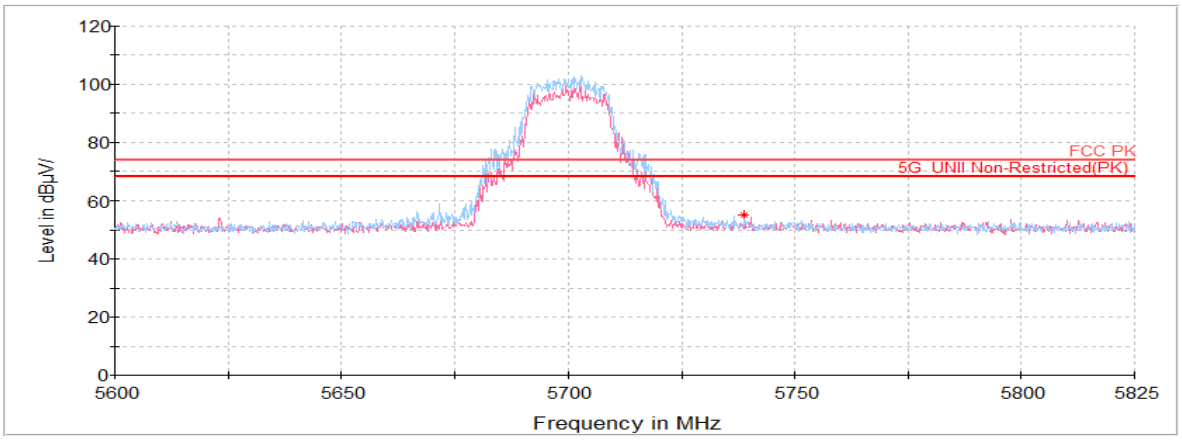
Horizontal/Vertical for Band-edge



Highest Channel (5 700 ㎒)

Horizontal/Vertical for Band-edge



802.11ac VHT20_UNII-2C_ANT2

Lowest Channel (5 500 ㎒)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(㎒)	(V/H)	(dB(㎶))	(dB)	(dB)	(dB)	(dB(㎶/m))	(dB(㎶/m))	(dB)
Peak data								
5 458.67[1)]	H	42.85	34.25	-23.43	-	53.67	74.00	20.33
11 015.55[1)]	V	57.92	37.52	-47.69	-	47.75	74.00	26.25
16 557.47	H	55.60	42.29	-44.49	-	53.40	68.20	14.80
Average Data								
5 458.67[1)]	H	35.38	34.25	-23.43	0.32	46.52	54.00	7.48

Middle Channel (5 600 ㎒)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(㎒)	(V/H)	(dB(㎶))	(dB)	(dB)	(dB)	(dB(㎶/m))	(dB(㎶/m))	(dB)
Peak data								
8 655.17	V	61.85	35.49	-49.58	-	47.76	68.20	20.44
11 216.80[1)]	V	58.00	37.72	-47.67	-	48.05	74.00	25.95
16 817.30	H	55.76	42.71	-44.50	-	53.97	68.20	14.23
Average Data								
No spurious emissions were detected within 20 dB of the limit.								

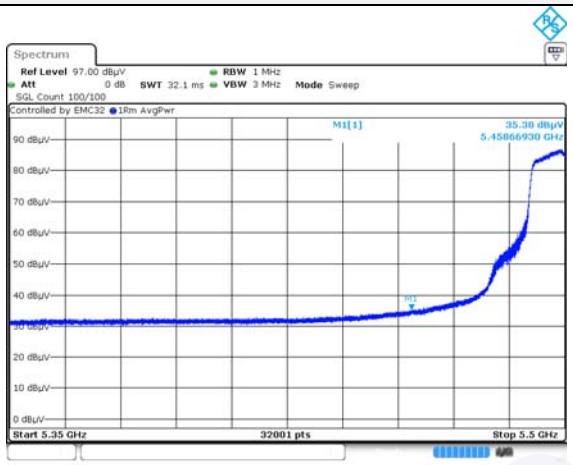
Highest Channel (5 700 ㎒)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(㎒)	(V/H)	(dB(㎶))	(dB)	(dB)	(dB)	(dB(㎶/m))	(dB(㎶/m))	(dB)
Peak data								
5 737.05	H	43.61	34.73	-22.93	-	55.41	68.20	12.79
11 400.80[1)]	V	58.64	37.90	-47.65	-	48.89	74.00	25.11
17 076.77	V	55.36	41.62	-44.65	-	52.33	68.20	15.87
Average Data								
No spurious emissions were detected within 20 dB of the limit.								

802.11ac VHT20_UNII-2C_ANT2

Lowest Channel (5 500 ㎒)

Average data



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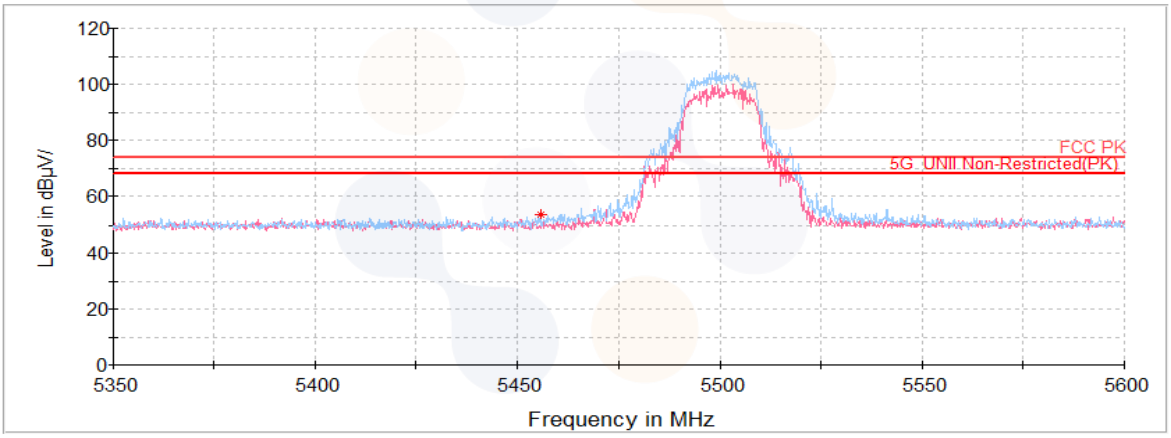
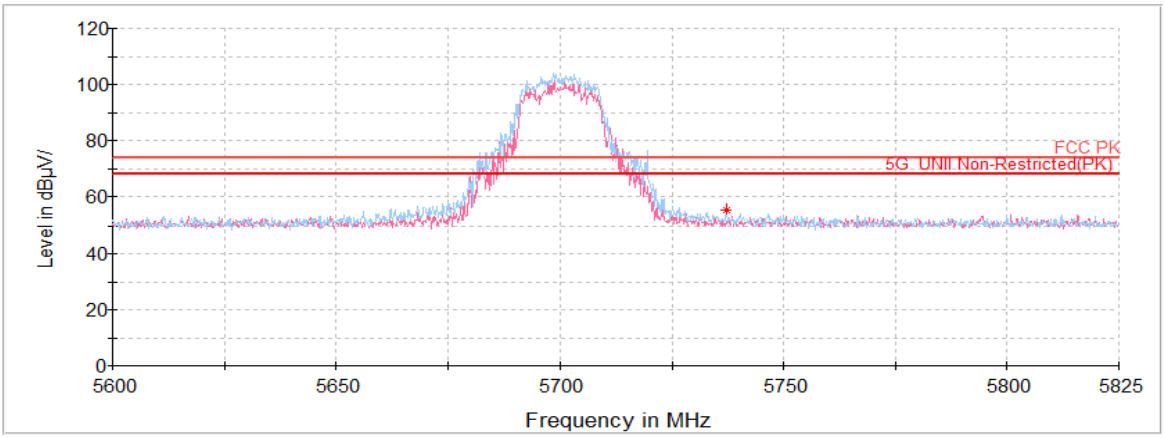
Horizontal/Vertical for Band-edge



Highest Channel (5 700 ㎒)

Horizontal/Vertical for Band-edge



802.11ac VHT20_UNII-2C_2TX MIMO

Lowest Channel (5 500 ㎒)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(㎒)	(V/H)	(dB(㎶))	(dB)	(dB)	(dB)	(dB(㎶/m))	(dB(㎶/m))	(dB)
Peak data								
5 459.89[1)]	H	44.35	34.25	-23.43	-	55.17	74.00	18.83
10 971.70[1)]	V	58.40	37.48	-47.70	-	48.18	74.00	25.82
16 563.22	H	55.73	42.30	-44.49	-	53.54	68.20	14.66
Average Data								
5 459.89[1)]	H	37.21	34.25	-23.43	0.58	48.61	54.00	5.39

Middle Channel (5 600 ㎒)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(㎒)	(V/H)	(dB(㎶))	(dB)	(dB)	(dB)	(dB(㎶/m))	(dB(㎶/m))	(dB)
Peak data								
11 206.38[1)]	H	58.42	37.71	-47.67	-	48.46	74.00	25.54
16 782.08	H	55.47	42.65	-44.50	-	53.62	68.20	14.58
Average Data								
No spurious emissions were detected within 20 dB of the limit.								

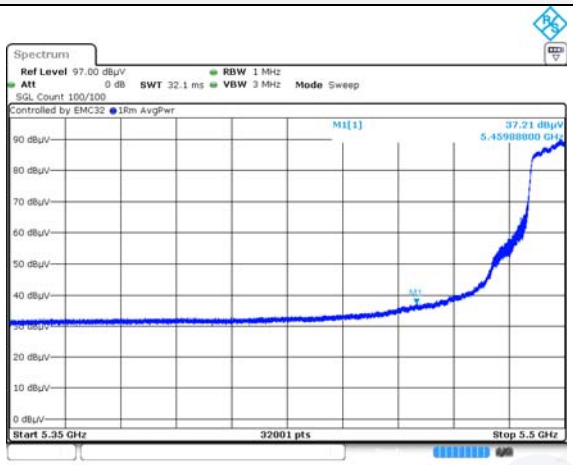
Highest Channel (5 700 ㎒)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(㎒)	(V/H)	(dB(㎶))	(dB)	(dB)	(dB)	(dB(㎶/m))	(dB(㎶/m))	(dB)
Peak data								
5 731.03	H	45.15	34.72	-22.95	-	56.92	68.20	11.28
11 409.42[1)]	H	58.00	37.91	-47.65	-	48.26	74.00	25.74
17 129.23	H	55.25	41.57	-44.74	-	52.08	68.20	16.12
Average Data								
No spurious emissions were detected within 20 dB of the limit.								

802.11ac VHT20_UNII-2C_2TX MIMO

Lowest Channel (5 500 ㎒)

Average data



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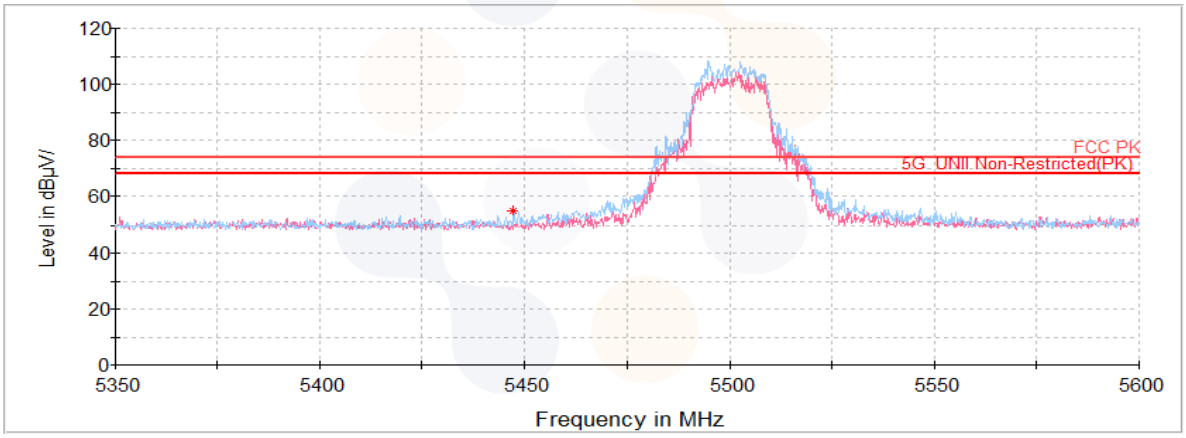
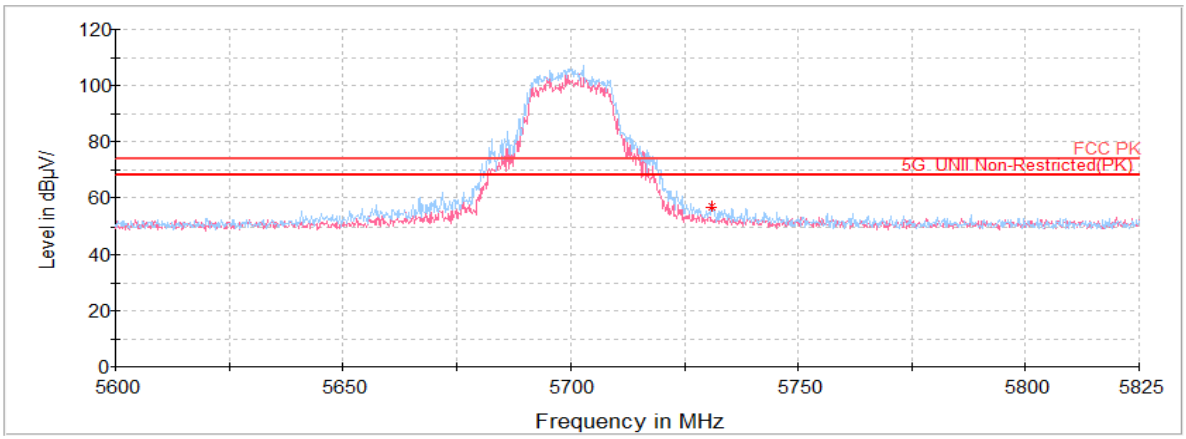
Horizontal/Vertical for Band-edge



Highest Channel (5 700 ㎒)

Horizontal/Vertical for Band-edge



802.11ac VHT40_UNII-2C ANT1

Lowest Channel (5 510 ㎒)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(㎒)	(V/H)	(dB(㎶))	(dB)	(dB)	(dB)	(dB(㎶/m))	(dB(㎶/m))	(dB)
Peak data								
5 459.41[1)]	H	45.85	34.25	-23.43	-	56.67	74.00	17.33
11 219.31[1)]	H	58.25	37.72	-47.67	-	48.30	74.00	25.70
16 588.73	H	57.06	42.34	-44.49	-	54.91	68.20	13.29
Average Data								
5 459.41[1)]	H	36.68	34.25	-23.43	0.61	48.11	54.00	5.89

Middle Channel (5 590 ㎒)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(㎒)	(V/H)	(dB(㎶))	(dB)	(dB)	(dB)	(dB(㎶/m))	(dB(㎶/m))	(dB)
Peak data								
11 223.63[1)]	H	58.21	37.72	-47.67	-	48.26	74.00	25.74
16 775.97	H	55.83	42.64	-44.50	-	53.97	68.20	14.23
Average Data								
No spurious emissions were detected within 20 dB of the limit.								

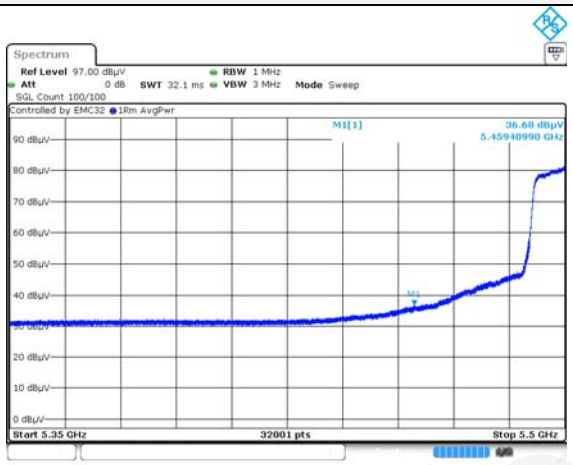
Highest Channel (5 670 ㎒)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(㎒)	(V/H)	(dB(㎶))	(dB)	(dB)	(dB)	(dB(㎶/m))	(dB(㎶/m))	(dB)
Peak data								
5 732.41	H	41.55	34.72	-22.94	-	53.33	68.20	14.87
11 408.34[1)]	H	58.28	37.91	-47.65	-	48.54	74.00	25.46
16 976.14	H	55.92	42.96	-44.50	-	54.38	68.20	13.82
Average Data								
No spurious emissions were detected within 20 dB of the limit.								

802.11ac VHT40_UNII-2C ANT1

Lowest Channel (5 510 ㎒)

Average data



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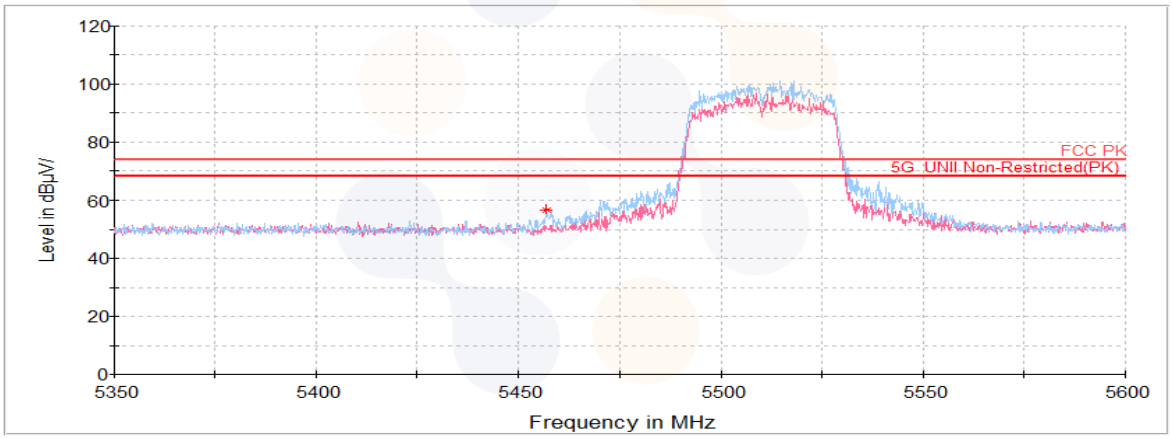
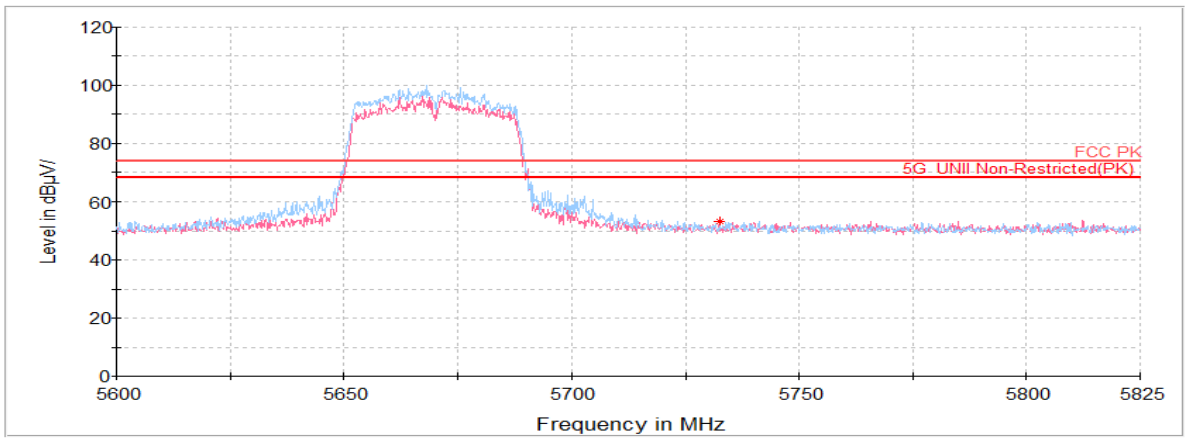
Horizontal/Vertical for Band-edge



Highest Channel (5 670 ㎒)

Horizontal/Vertical for Band-edge



802.11ac VHT40_UNII-2C_ANT2

Lowest Channel (5 510 ㎒)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(㎒)	(V/H)	(dB(㎶))	(dB)	(dB)	(dB)	(dB(㎶/m))	(dB(㎶/m))	(dB)
Peak data								
5 458.89[1)]	H	46.06	34.25	-23.43	-	56.88	74.00	17.12
10 986.80[1)]	V	58.52	37.49	-47.69	-	48.32	74.00	25.68
16 472.30	V	56.20	42.44	-44.59	-	54.05	68.20	14.15
Average Data								
5 458.89[1)]	H	37.45	34.25	-23.43	0.61	48.88	54.00	5.12

Middle Channel (5 590 ㎒)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(㎒)	(V/H)	(dB(㎶))	(dB)	(dB)	(dB)	(dB(㎶/m))	(dB(㎶/m))	(dB)
Peak data								
11 059.75[1)]	V	58.03	37.56	-47.68	-	47.91	74.00	26.09
16 795.02	H	55.52	42.67	-44.50	-	53.69	68.20	14.51
Average Data								
No spurious emissions were detected within 20 dB of the limit.								

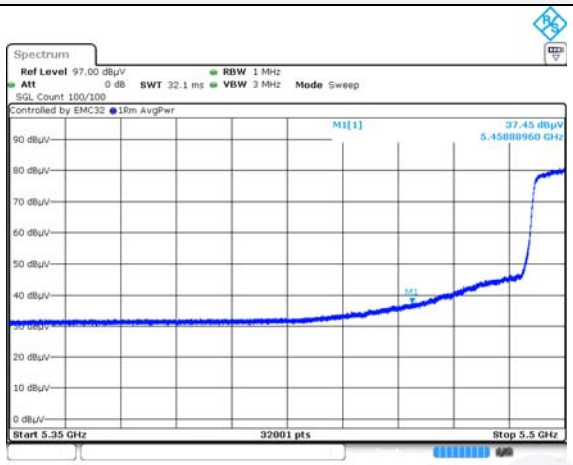
Highest Channel (5 670 ㎒)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(㎒)	(V/H)	(dB(㎶))	(dB)	(dB)	(dB)	(dB(㎶/m))	(dB(㎶/m))	(dB)
Peak data								
5 727.94	H	42.58	34.71	-22.96	-	54.33	68.20	13.87
11 353.00[1)]	H	58.91	37.85	-47.65	-	49.11	74.00	24.89
17 145.77	V	55.58	41.55	-44.77	-	52.36	68.20	15.84
Average Data								
No spurious emissions were detected within 20 dB of the limit.								

802.11ac VHT40_UNII-2C ANT2

Lowest Channel (5 510 ㎒)

Average data



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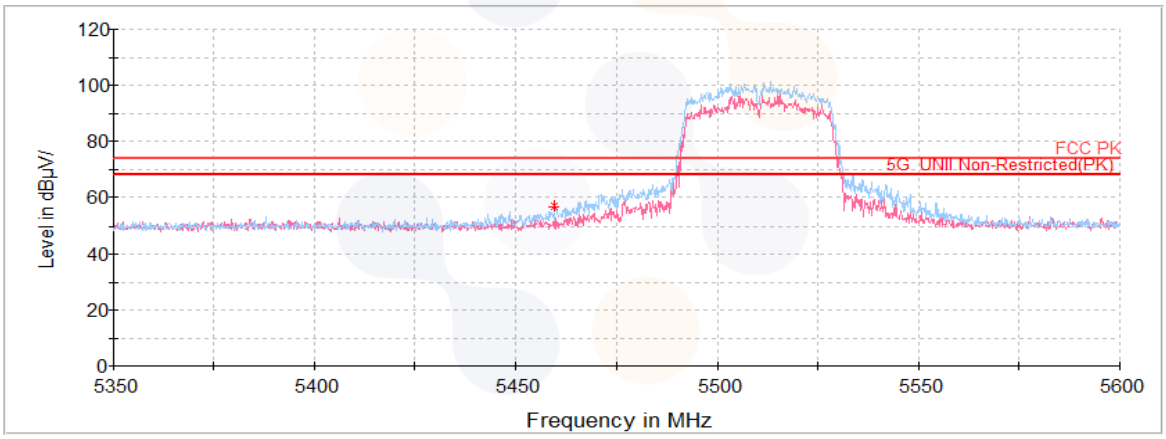
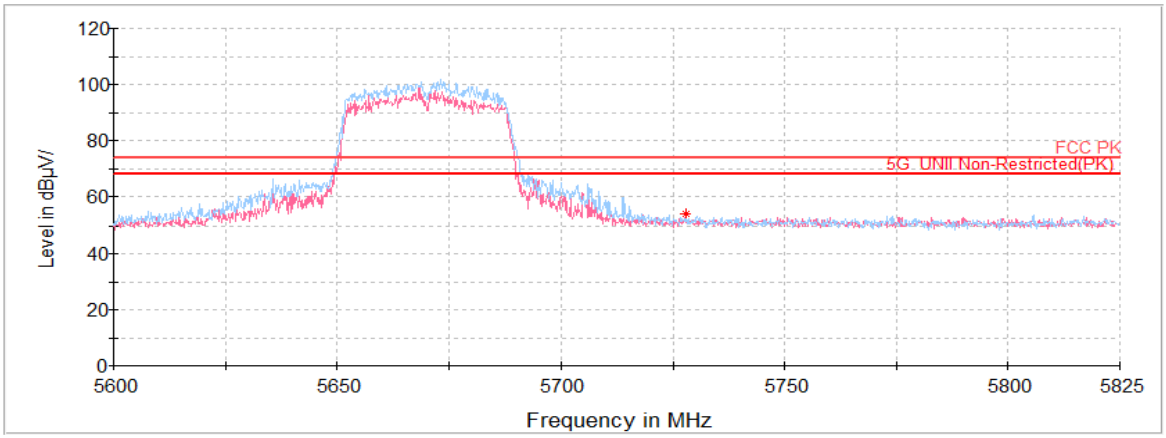
Horizontal/Vertical for Band-edge



Highest Channel (5 670 ㎒)

Horizontal/Vertical for Band-edge



802.11ac VHT40_UNII-2C_2TX MIMO

Lowest Channel (5 510 ㎒)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(㎒)	(V/H)	(dB(㎶))	(dB)	(dB)	(dB)	(dB(㎶/m))	(dB(㎶/m))	(dB)
Peak data								
5 459.19[1)]	H	46.42	34.25	-23.43	-	57.24	74.00	16.76
11 086.70[1)]	H	57.43	37.59	-47.68	-	47.34	74.00	26.66
16 568.97	V	55.33	42.31	-44.49	-	53.15	68.20	15.05
Average Data								
5 459.19[1)]	H	39.70	34.25	-23.43	1.07	51.59	54.00	2.41

Middle Channel (5 590 ㎒)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(㎒)	(V/H)	(dB(㎶))	(dB)	(dB)	(dB)	(dB(㎶/m))	(dB(㎶/m))	(dB)
Peak data								
11 213.20[1)]	V	58.57	37.71	-47.67		48.61	74.00	25.39
16 771.30	V	55.09	42.63	-44.50		53.22	68.20	14.98
Average Data								
No spurious emissions were detected within 20 dB of the limit.								

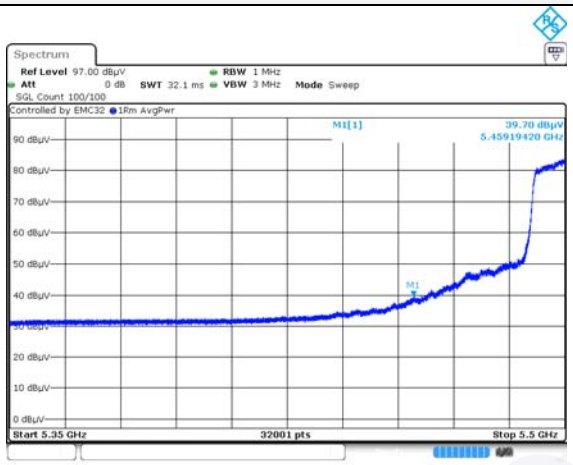
Highest Channel (5 670 ㎒)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(㎒)	(V/H)	(dB(㎶))	(dB)	(dB)	(dB)	(dB(㎶/m))	(dB(㎶/m))	(dB)
Peak data								
5 748.91	H	42.00	34.75	-22.89		53.86	68.20	14.34
11 358.39[1)]	V	59.32	37.86	-47.65		49.53	74.00	24.47
17 106.59	H	55.65	41.59	-44.70		52.54	68.20	15.66
Average Data								
No spurious emissions were detected within 20 dB of the limit.								

802.11ac VHT40_UNII-2C_2TX MIMO

Lowest Channel (5 510 ㎒)

Average data



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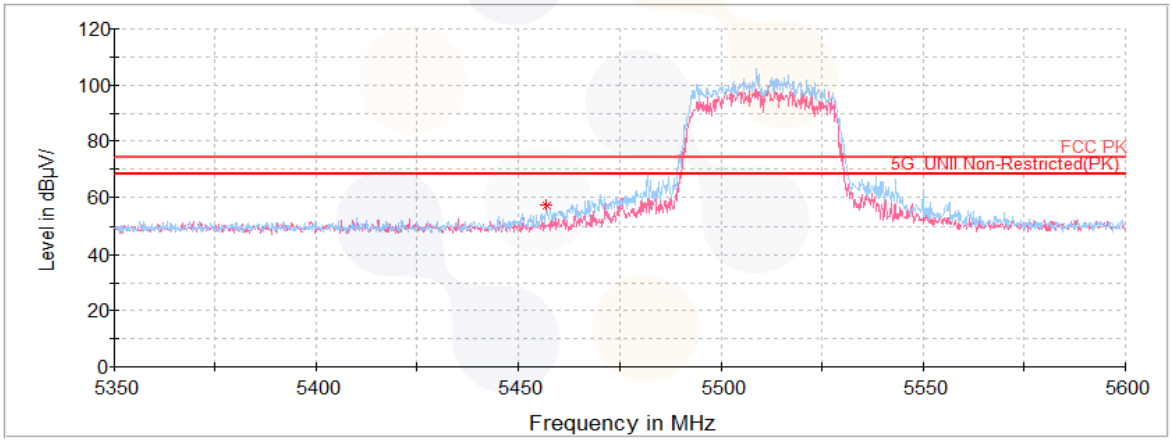
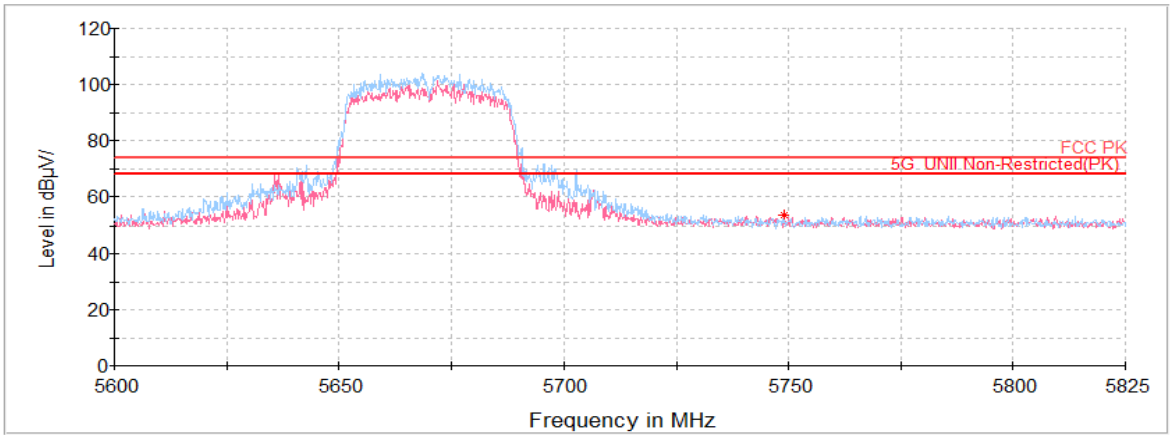
Horizontal/Vertical for Band-edge



Highest Channel (5 670 ㎒)

Horizontal/Vertical for Band-edge



802.11ac VHT80_UNII-2C_ANT1

Lowest Channel (5 530 ㎒)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(㎒)	(V/H)	(dB(㎶))	(dB)	(dB)	(dB)	(dB(㎶/m))	(dB(㎶/m))	(dB)
Peak data								
5 459.21[1)]	H	46.69	34.25	-23.43	-	57.51	74.00	16.49
11 280.05[1)]	H	59.40	37.78	-47.66	-	49.52	74.00	24.48
16 549.56	H	57.29	42.28	-44.49	-	55.08	68.20	13.12
Average Data								
5 459.21[1)]	H	39.17	34.25	-23.43	1.14	51.13	54.00	2.87

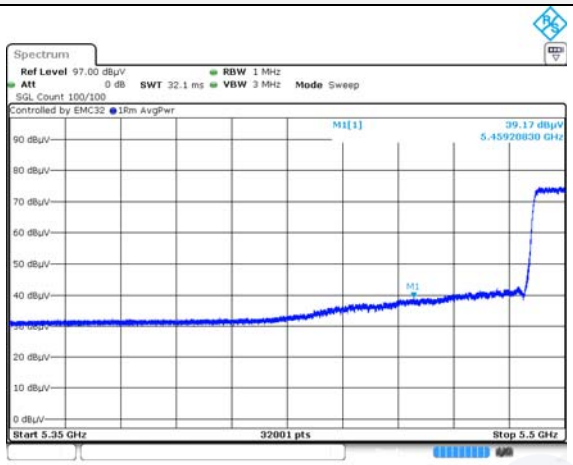
Highest Channel (5 610 ㎒)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(㎒)	(V/H)	(dB(㎶))	(dB)	(dB)	(dB)	(dB(㎶/m))	(dB(㎶/m))	(dB)
Peak data								
5 734.64	H	41.50	34.72	-22.93	-	53.29	68.20	14.91
11 328.92[1)]	V	59.13	37.83	-47.66	-	49.30	74.00	24.70
16 800.41	V	55.90	42.68	-44.50	-	54.08	68.20	14.12
Average Data								
No spurious emissions were detected within 20 ㏈ of the limit.								

802.11ac VHT80_UNII-2C ANT1

Lowest Channel (5 530 ㎒)

Average data



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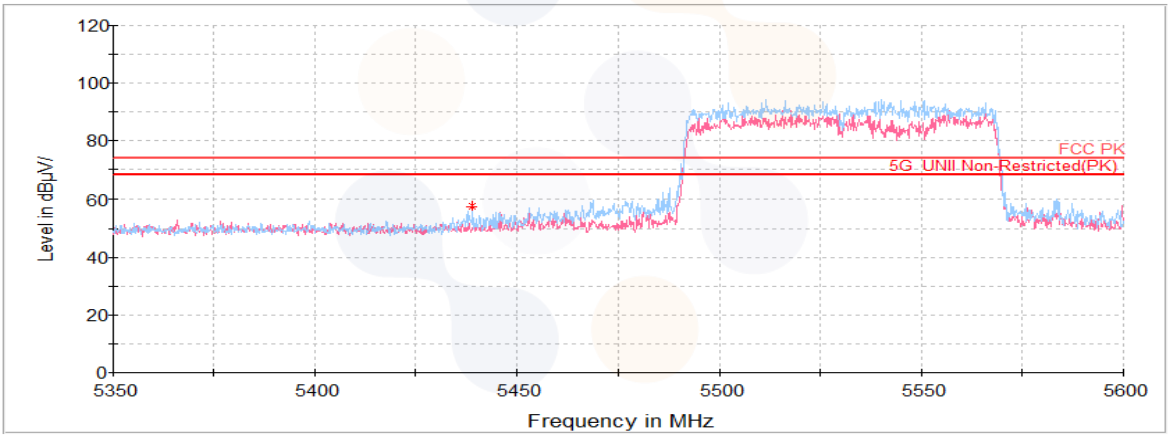
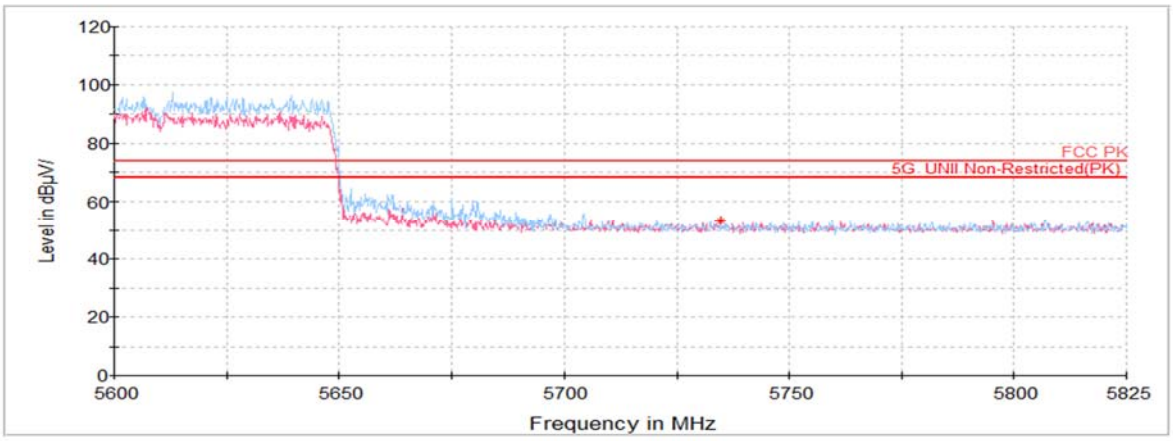
Horizontal/Vertical for Band-edge



Highest Channel (5 610㎒)

Horizontal/Vertical for Band-edge



802.11ac VHT80_UNII-2C_ANT2

Lowest Channel (5 530 ㎒)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(㎒)	(V/H)	(dB(㎶))	(dB)	(dB)	(dB)	(dB(㎶/m))	(dB(㎶/m))	(dB)
Peak data								
5 459.10[1)]	H	47.85	34.25	-23.43	-	58.67	74.00	15.33
11 000.81[1)]	V	57.84	37.50	-47.69	-	47.65	74.00	26.35
16 621.44	V	57.30	42.39	-44.49	-	55.20	68.20	13.00
Average Data								
5 459.10[1)]	H	39.20	34.25	-23.43	1.14	51.16	54.00	2.84

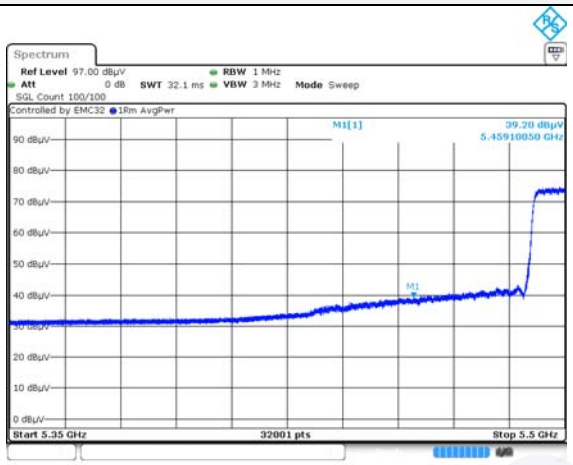
Highest Channel (5 610 ㎒)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(㎒)	(V/H)	(dB(㎶))	(dB)	(dB)	(dB)	(dB(㎶/m))	(dB(㎶/m))	(dB)
Peak data								
5 728.28	H	42.07	34.71	-22.96	-	53.82	68.20	14.38
11 230.09[1)]	V	57.60	37.73	-47.67	-	47.66	74.00	26.34
16 803.64	V	55.95	42.69	-44.50	-	54.14	68.20	14.06
Average Data								
No spurious emissions were detected within 20 ㏈ of the limit.								

802.11ac VHT80_UNII-2C ANT2

Lowest Channel (5 530 ㎒)

Average data



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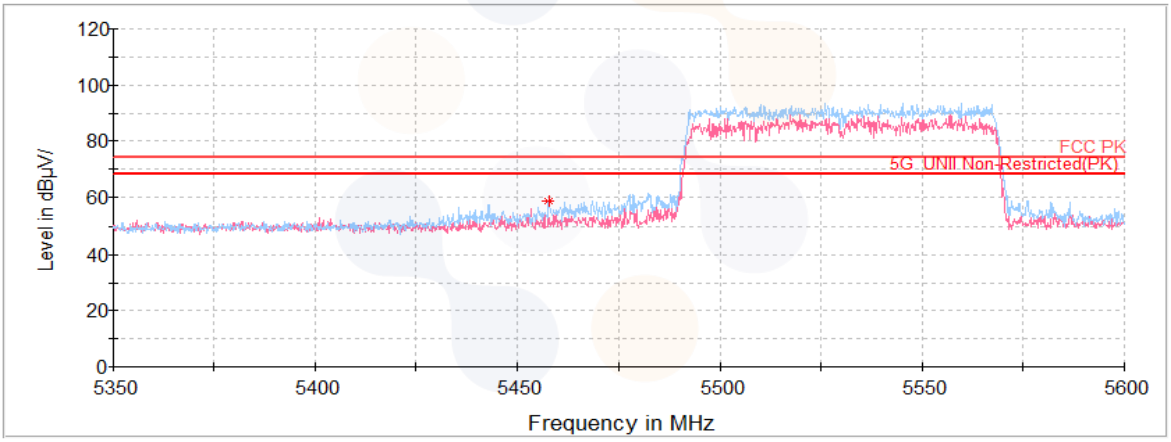
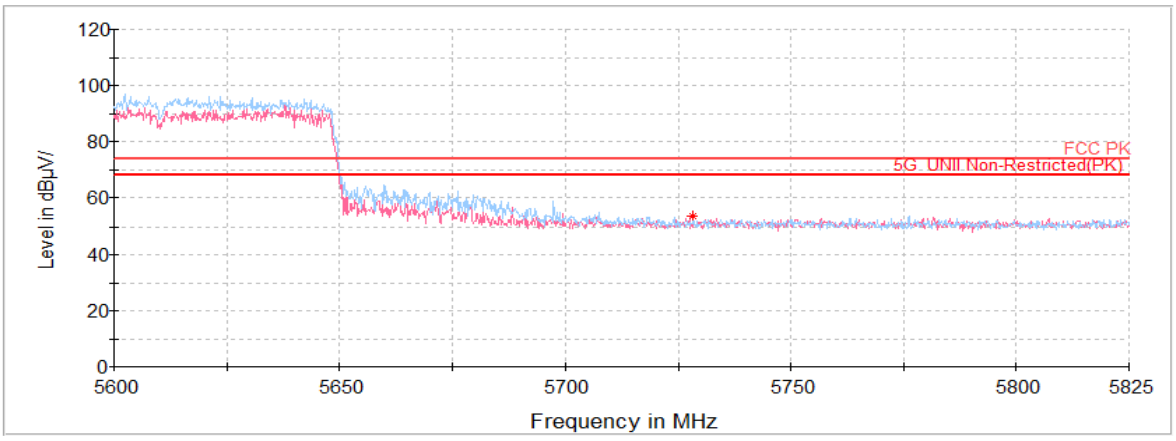
Horizontal/Vertical for Band-edge



Highest Channel (5 610㎒)

Horizontal/Vertical for Band-edge



802.11ac VHT80_UNII-2C_2TX MIMO

Lowest Channel (5 530 ㎒)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(㎒)	(V/H)	(dB(㎶))	(dB)	(dB)	(dB)	(dB(㎶/m))	(dB(㎶/m))	(dB)
Peak data								
5 458.89[1)]	H	48.08	34.25	-23.43	-	58.90	74.00	15.10
11 068.38[1)]	H	57.89	37.57	-47.68	-	47.78	74.00	26.22
16 674.98	V	56.20	42.48	-44.49	-	54.19	68.20	14.01
Average Data								
5 458.89[1)]	H	38.17	34.25	-23.43	1.81	50.80	54.00	3.20

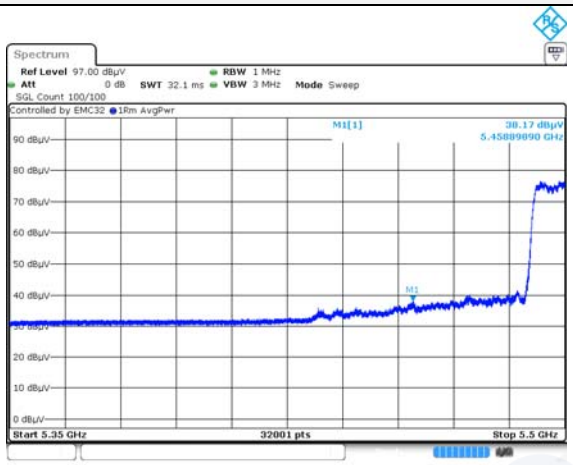
Highest Channel (5 610 ㎒)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(㎒)	(V/H)	(dB(㎶))	(dB)	(dB)	(dB)	(dB(㎶/m))	(dB(㎶/m))	(dB)
Peak data								
5 765.75	H	41.35	34.78	-22.83	-	53.30	68.20	14.90
11 222.55[1)]	V	58.53	37.72	-47.67	-	48.58	74.00	25.42
16 838.86	H	55.25	42.74	-44.50	-	53.49	68.20	14.71
Average Data								
No spurious emissions were detected within 20 ㏈ of the limit.								

802.11ac VHT80_UNII-2C 2TX MIMO

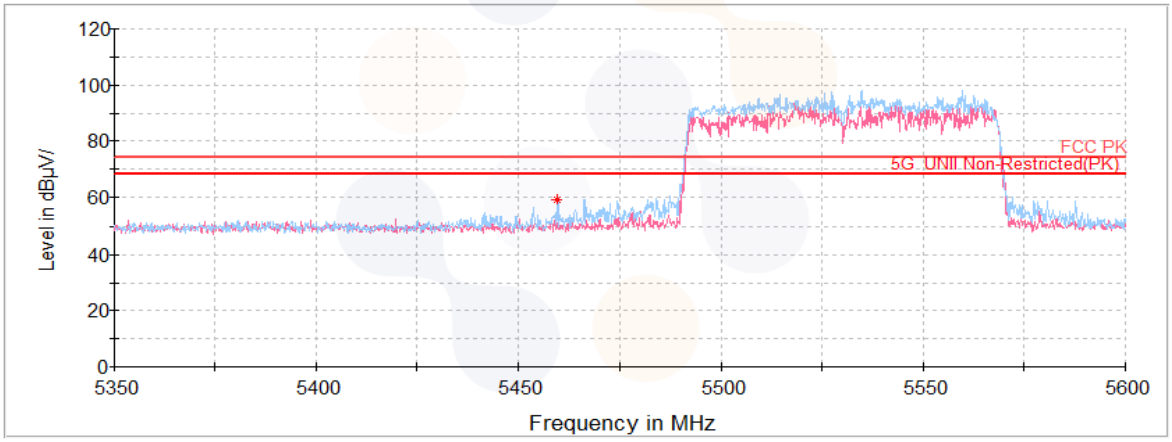
Lowest Channel (5 530 ㎒)

Average data



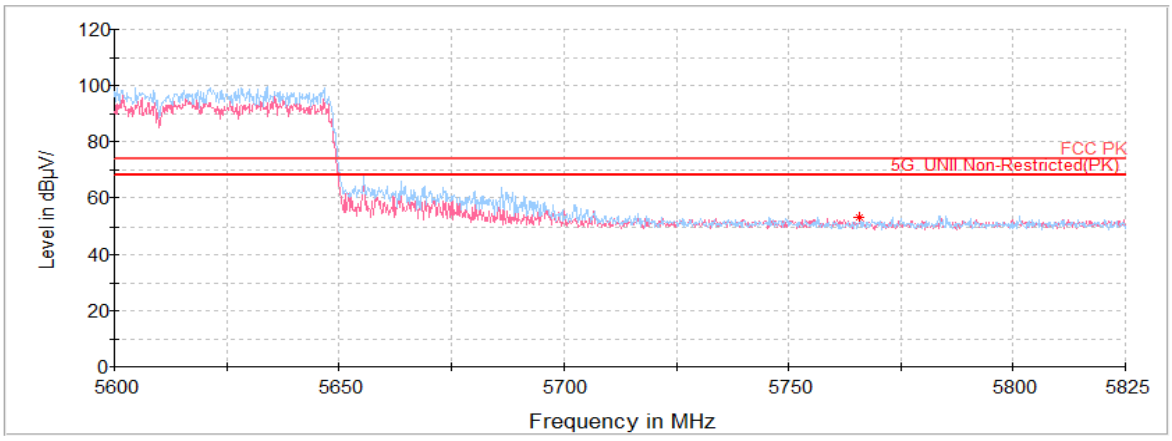
Blank

Horizontal/Vertical for Band-edge



Highest Channel (5 610㎒)

Horizontal/Vertical for Band-edge

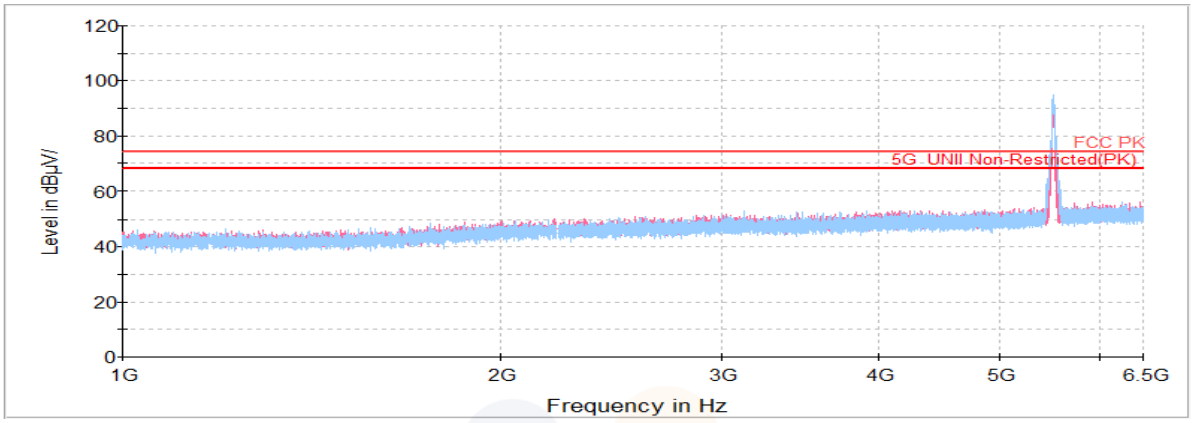


Plot of Harmonics and Spurious Emissions

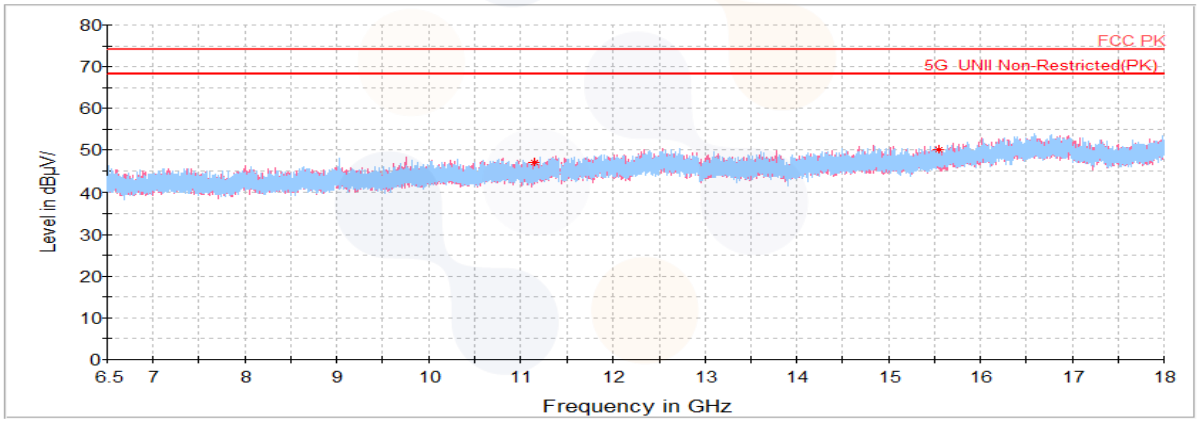
In order to simplify the report, attached plots were only the lowest margin condition

802.11n HT40_UNII-2C_2TX MIMO_ Lowest Channel (5 510 ㎒)

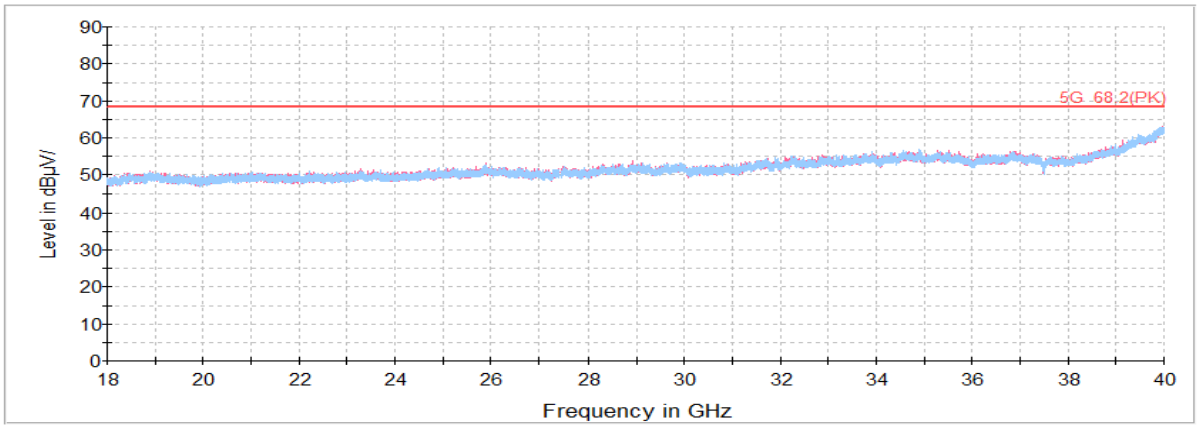
Horizontal/Vertical for 1 ㎓ ~ 6.5 ㎓



Horizontal/Vertical for 6.5 ㎓ ~ 18 ㎓



Horizontal/Vertical for 18 ㎓ ~ 40 ㎓



Straddle Channel

ANT 1

802.11a (5 720 ㎒)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(㎒)	(V/H)	(dB(㎶))	(dB)	(dB)	(dB)	(dB(㎶/m))	(dB(㎶/m))	(dB)
Peak data								
11 340.06[1)]	H	59.74	37.84	-47.65	-	49.93	74.00	24.07
17 151.88	H	55.99	41.55	-44.78	-	52.76	68.20	15.44
Average Data								
No spurious emissions were detected within 20 ㏈ of the limit.								

802.11n HT20 (5 720 ㎒)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(㎒)	(V/H)	(dB(㎶))	(dB)	(dB)	(dB)	(dB(㎶/m))	(dB(㎶/m))	(dB)
Peak data								
11 375.64[1)]	H	58.41	37.88	-47.65	-	48.64	74.00	25.36
17 166.25	V	56.30	41.53	-44.81	-	53.02	68.20	15.18
Average Data								
No spurious emissions were detected within 20 ㏈ of the limit.								

802.11n HT40 (5 710 ㎒)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(㎒)	(V/H)	(dB(㎶))	(dB)	(dB)	(dB)	(dB(㎶/m))	(dB(㎶/m))	(dB)
Peak data								
11 374.92[1)]	V	59.54	37.87	-47.65	-	49.76	74.00	24.24
17 118.09	H	56.15	41.58	-44.72	-	53.01	68.20	15.19
Average Data								
No spurious emissions were detected within 20 ㏈ of the limit.								

802.11ac VHT20 (5 720 ㎒)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(㎒)	(V/H)	(dB(㎶))	(dB)	(dB)	(dB)	(dB(㎶/m))	(dB(㎶/m))	(dB)
Peak data								
11 689.38[1)]	V	59.32	38.15	-47.72	-	49.75	74.00	24.25
17 146.13	H	56.65	41.55	-44.77	-	53.43	68.20	14.77
Average Data								
No spurious emissions were detected within 20 ㏈ of the limit.								

802.11ac VHT40 (5 710 ㎒)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(㎒)	(V/H)	(dB(㎶))	(dB)	(dB)	(dB)	(dB(㎶/m))	(dB(㎶/m))	(dB)
Peak data								
11 394.33[1)]	H	58.66	37.89	-47.65	-	48.90	74.00	25.10
17 281.61	H	56.33	41.42	-45.02	-	52.73	68.20	15.47
Average Data								
No spurious emissions were detected within 20 ㏈ of the limit.								

802.11ac VHT80 (5 690 ㎒)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(㎒)	(V/H)	(dB(㎶))	(dB)	(dB)	(dB)	(dB(㎶/m))	(dB(㎶/m))	(dB)
Peak data								
11 359.47[1)]	V	59.87	37.86	-47.65	-	50.08	74.00	23.92
16 996.27	H	56.07	42.99	-44.51	-	54.55	68.20	13.65
Average Data								
No spurious emissions were detected within 20 ㏈ of the limit.								

ANT 2

802.11a (5 720 ㎒)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(㎒)	(V/H)	(dB(㎶))	(dB)	(dB)	(dB)	(dB(㎶/m))	(dB(㎶/m))	(dB)
Peak data								
11 399.72[1)]	V	59.15	37.90	-47.65	-	49.40	74.00	24.60
17 077.48	H	57.07	41.62	-44.65	-	54.04	68.20	14.16
Average Data-								
No spurious emissions were detected within 20 dB of the limit.								

802.11n HT20 (5 720 ㎒)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(㎒)	(V/H)	(dB(㎶))	(dB)	(dB)	(dB)	(dB(㎶/m))	(dB(㎶/m))	(dB)
Peak data								
11 375.28[1)]	V	58.89	37.88	-47.65	-	49.12	74.00	24.88
17 137.14	V	55.79	41.56	-44.76	-	52.59	68.20	15.61
Average Data								
No spurious emissions were detected within 20 dB of the limit.								

802.11n HT40 (5 710 ㎒)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(㎒)	(V/H)	(dB(㎶))	(dB)	(dB)	(dB)	(dB(㎶/m))	(dB(㎶/m))	(dB)
Peak data								
11 507.17[1)]	H	57.54	38.01	-47.64	-	47.91	74.00	26.09
17 143.25	H	55.19	41.56	-44.77	-	51.98	68.20	16.22
Average Data								
No spurious emissions were detected within 20 dB of the limit.								

802.11ac VHT20 (5 720 ㎒)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(㎒)	(V/H)	(dB(㎶))	(dB)	(dB)	(dB)	(dB(㎶/m))	(dB(㎶/m))	(dB)
Peak data								
11 370.25[1)]	V	59.66	37.87	-47.65	-	49.88	74.00	24.12
17 197.88	H	56.30	41.50	-44.87	-	52.93	68.20	15.27
Average Data								
No spurious emissions were detected within 20 dB of the limit.								

802.11ac VHT40 (5 710 ㎒)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(㎒)	(V/H)	(dB(㎶))	(dB)	(dB)	(dB)	(dB(㎶/m))	(dB(㎶/m))	(dB)
Peak data								
11 377.44[1)]	H	58.14	37.88	-47.65	-	48.37	74.00	25.63
17 150.08	H	55.73	41.55	-44.78	-	52.50	68.20	15.70
Average Data								
No spurious emissions were detected within 20 ㏈ of the limit.								

802.11ac VHT80 (5 690 ㎒)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(㎒)	(V/H)	(dB(㎶))	(dB)	(dB)	(dB)	(dB(㎶/m))	(dB(㎶/m))	(dB)
Peak data								
11 368.81[1)]	H	59.97	37.87	-47.65	-	50.19	74.00	23.81
16 958.17	H	56.75	42.93	-44.50	-	55.18	68.20	13.02
Average Data								
No spurious emissions were detected within 20 ㏈ of the limit.								

MIMO

802.11a (5 720 ㎒)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(㎒)	(V/H)	(dB(㎶))	(dB)	(dB)	(dB)	(dB(㎶/m))	(dB(㎶/m))	(dB)
Peak data								
11 385.34[1)]	H	60.41	37.89	-47.65	-	50.65	74.00	23.35
17 113.78	H	55.78	41.59	-44.71	-	52.66	68.20	15.54
Average Data								
No spurious emissions were detected within 20 dB of the limit.								

802.11n HT20 (5 720 ㎒)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(㎒)	(V/H)	(dB(㎶))	(dB)	(dB)	(dB)	(dB(㎶/m))	(dB(㎶/m))	(dB)
Peak data								
11 350.84[1)]	V	59.57	37.85	-47.65	-	49.77	74.00	24.23
17 169.48	H	55.02	41.53	-44.82	-	51.73	68.20	16.47
Average Data								
No spurious emissions were detected within 20 dB of the limit.								

802.11n HT40 (5 710 ㎒)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(㎒)	(V/H)	(dB(㎶))	(dB)	(dB)	(dB)	(dB(㎶/m))	(dB(㎶/m))	(dB)
Peak data								
11 396.13[1)]	H	58.56	37.90	-47.65	-	48.81	74.00	25.19
17 136.78	V	55.94	41.56	-44.76	-	52.74	68.20	15.46
Average Data								
No spurious emissions were detected within 20 dB of the limit.								

802.11ac VHT20 (5 720 ㎒)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(㎒)	(V/H)	(dB(㎶))	(dB)	(dB)	(dB)	(dB(㎶/m))	(dB(㎶/m))	(dB)
Peak data								
11 429.19[1)]	V	57.50	37.93	-47.65	-	47.78	74.00	26.22
17 186.02	V	55.24	41.51	-44.85	-	51.90	68.20	16.30
Average Data								
No spurious emissions were detected within 20 dB of the limit.								

802.11ac VHT40 (5 710 ㎒)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(㎒)	(V/H)	(dB(㎶))	(dB)	(dB)	(dB)	(dB(㎶/m))	(dB(㎶/m))	(dB)
Peak data								
11 409.42[1)]	H	57.81	37.91	-47.65	-	48.07	74.00	25.93
17 120.25	V	54.59	41.58	-44.73	-	51.44	68.20	16.76
Average Data								
No spurious emissions were detected within 20 dB of the limit.								

802.11ac VHT80 (5 690 ㎒)

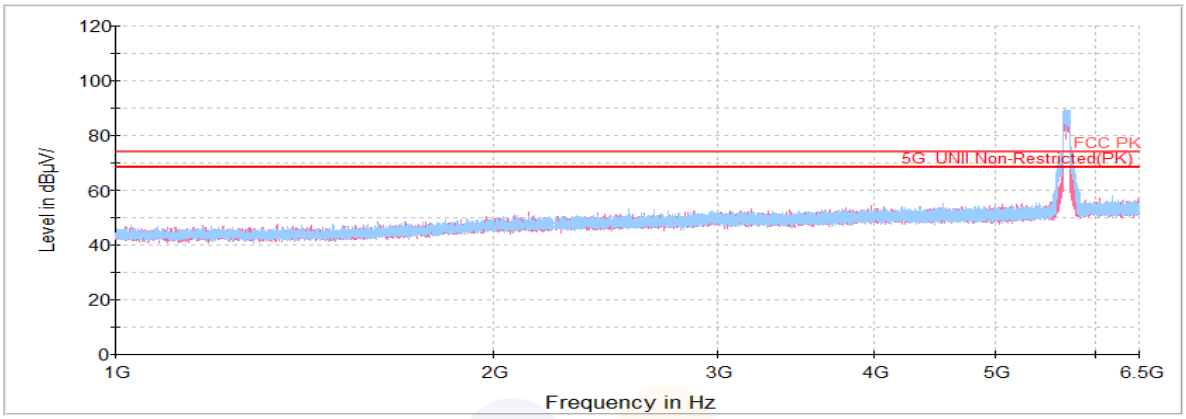
Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(㎒)	(V/H)	(dB(㎶))	(dB)	(dB)	(dB)	(dB(㎶/m))	(dB(㎶/m))	(dB)
Peak data								
11 405.47[1)]	V	58.89	37.91	-47.65	-	49.15	74.00	24.85
17 140.02	H	57.51	41.56	-44.76	-	54.31	68.20	13.89
Average Data								
No spurious emissions were detected within 20 dB of the limit.								

Plot of Harmonics and Spurious Emissions

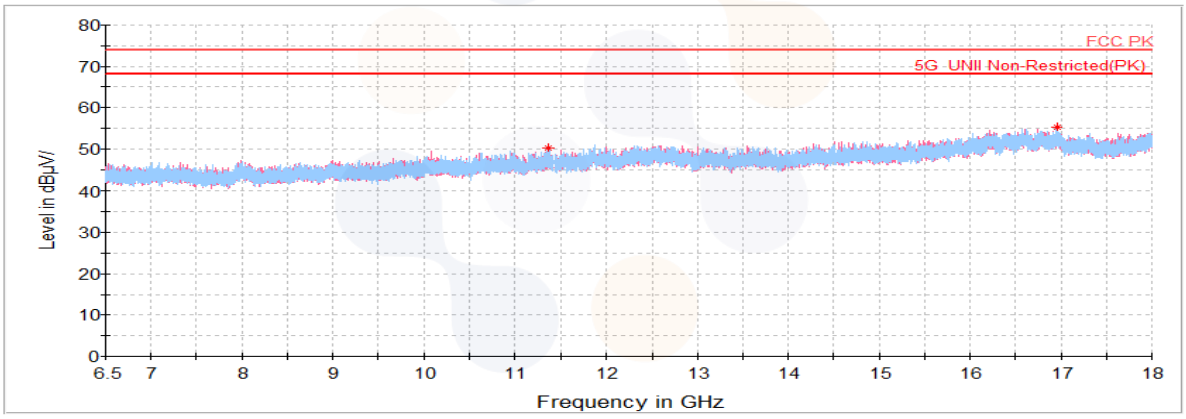
In order to simplify the report, attached plots were only the lowest margin condition

802.11ac VHT80_Straddle Channel (5 690 ㎒)_ANT2

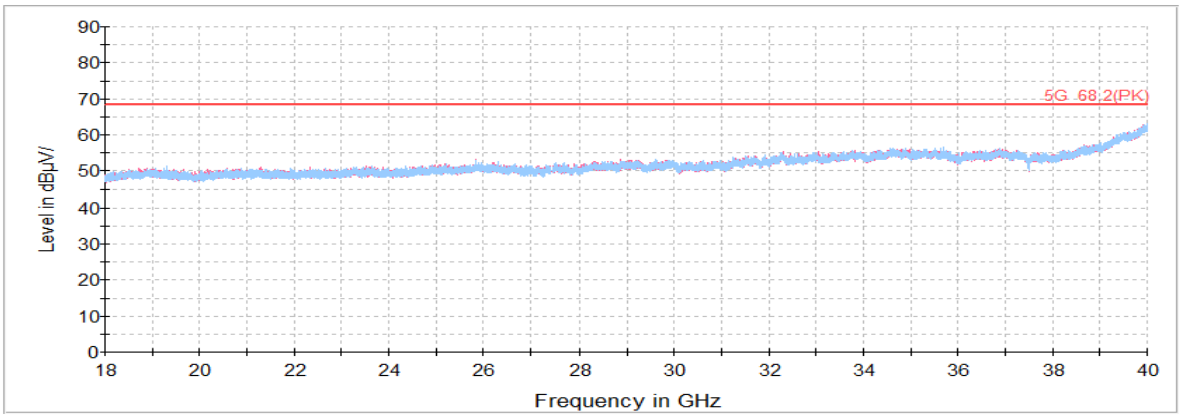
Horizontal/Vertical for 1 ㎓ ~ 6.5 ㎓



Horizontal/Vertical for 6.5 ㎓ ~ 18 ㎓



Horizontal/Vertical for 18 ㎓ ~ 40 ㎓



802.11a_UNII-3_ANT1

Lowest Channel (5 745 ㎒)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(㎒)	(V/H)	(dB(㎶))	(dB)	(dB)	(dB)	(dB(㎶/m))	(dB(㎶/m))	(dB)
Peak data								
5 716.25	H	44.85	34.69	-23.00	-	56.54	109.75	53.21
11 424.16[1)]	H	58.82	37.92	-47.65	-	49.09	74.00	24.91
17 245.67	V	55.56	41.45	-44.95	-	52.06	68.20	16.14
Average Data								
No spurious emissions were detected within 20 dB of the limit.								

Middle Channel (5 785 ㎒)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(㎒)	(V/H)	(dB(㎶))	(dB)	(dB)	(dB)	(dB(㎶/m))	(dB(㎶/m))	(dB)
Peak data								
11 498.91[1)]	V	59.31	38.00	-47.64	-	49.67	74.00	24.33
17 310.72	H	56.83	41.39	-45.07	-	53.15	68.20	15.05
Average Data								
No spurious emissions were detected within 20 dB of the limit.								

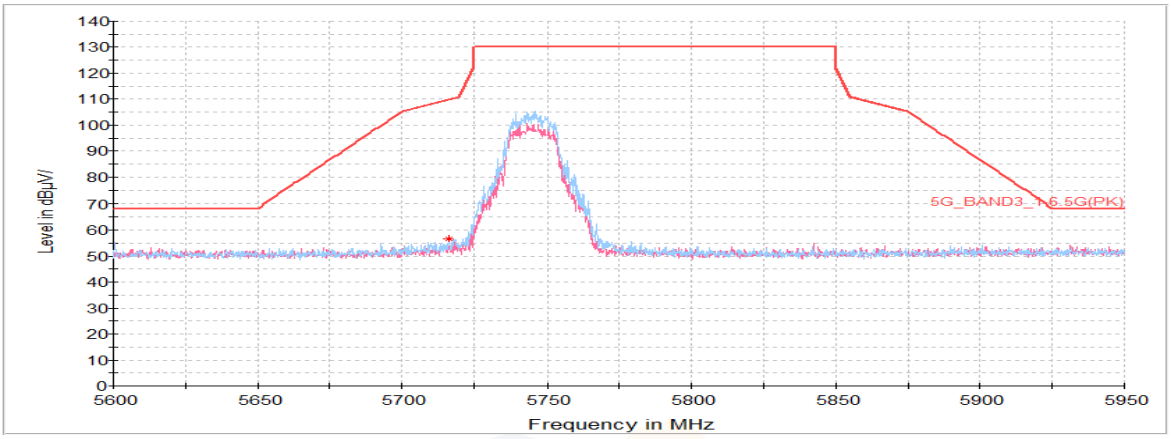
Highest Channel (5 825 ㎒)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(㎒)	(V/H)	(dB(㎶))	(dB)	(dB)	(dB)	(dB(㎶/m))	(dB(㎶/m))	(dB)
Peak data								
5 853.75	H	45.05	34.94	-22.80	-	57.19	113.65	56.46
9 277.61	V	61.20	36.03	-48.99	-	48.24	68.20	19.96
11 639.06[1)]	H	58.37	38.11	-47.70	-	48.78	74.00	25.22
17 417.09	H	55.93	41.28	-45.27	-	51.94	68.20	16.26
Average Data								
No spurious emissions were detected within 20 dB of the limit.								

802.11a_UNII-3_ANT1

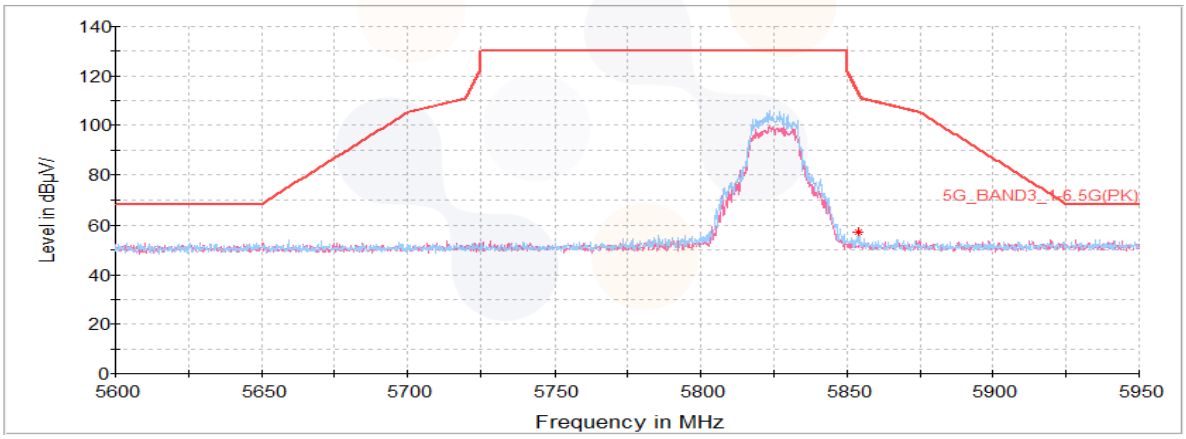
Lowest Channel (5 745 ㎒)

Horizontal/Vertical for Band-edge



Highest Channel (5 825 ㎒)

Horizontal/Vertical for Band-edge



802.11a_UNII-3_ANT2

Lowest Channel (5 745 ㎒)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(㎒)	(V/H)	(dB(㎶))	(dB)	(dB)	(dB)	(dB(㎶/m))	(dB(㎶/m))	(dB)
Peak data								
5 710.06	H	46.12	34.68	-23.02	-	57.78	108.02	50.24
11 448.95[1)]	H	58.19	37.95	-47.64	-	48.50	74.00	25.50
12 903.70	V	60.83	39.12	-48.00	-	51.95	68.20	16.25
17 311.44	H	56.96	41.39	-45.07	-	53.28	68.20	14.92
Average Data								
No spurious emissions were detected within 20 dB of the limit.								

Middle Channel (5 785 ㎒)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(㎒)	(V/H)	(dB(㎶))	(dB)	(dB)	(dB)	(dB(㎶/m))	(dB(㎶/m))	(dB)
Peak data								
11 515.44[1)]	V	58.78	38.01	-47.65	-	49.14	74.00	24.86
17 319.34	H	56.22	41.38	-45.09	-	52.51	68.20	15.69
Average Data								
No spurious emissions were detected within 20 dB of the limit.								

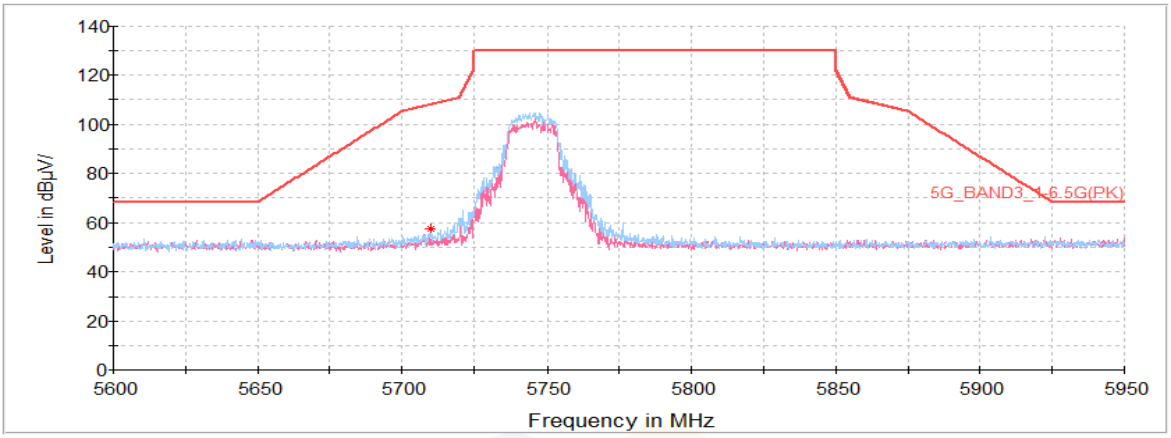
Highest Channel (5 825 ㎒)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(㎒)	(V/H)	(dB(㎶))	(dB)	(dB)	(dB)	(dB(㎶/m))	(dB(㎶/m))	(dB)
Peak data								
5 856.84	V	44.11	34.94	-22.80	-	56.25	110.28	54.04
11 639.06[1)]	V	57.90	38.11	-47.70	-	48.31	74.00	25.69
14 708.13	V	60.14	39.89	-47.48	-	52.55	68.20	15.65
17 325.81	V	57.17	41.37	-45.10	-	53.44	68.20	14.76
Average Data								
No spurious emissions were detected within 20 dB of the limit.								

802.11a_UNII-3_ANT2

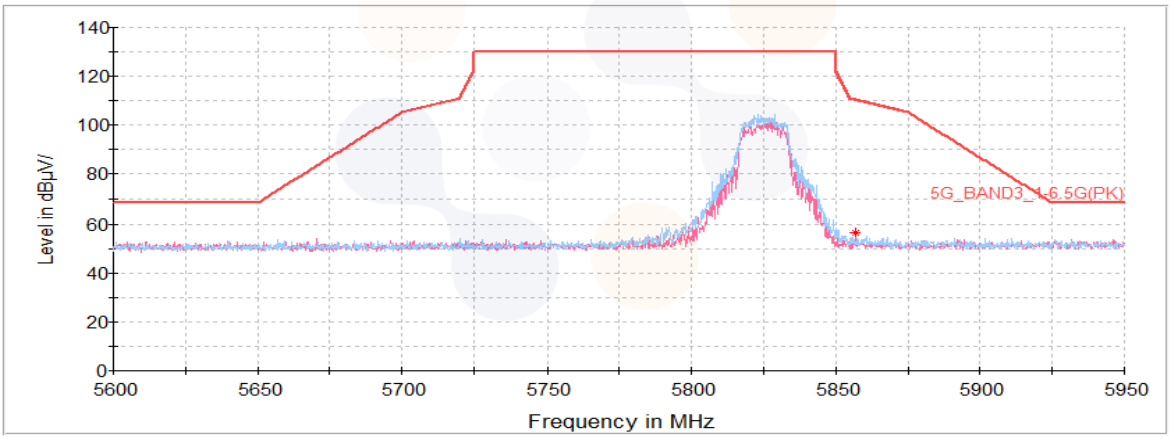
Lowest Channel (5 745 ㎒)

Horizontal/Vertical for Band-edge



Highest Channel (5 825 ㎒)

Horizontal/Vertical for Band-edge



802.11a_UNII-3_2TX MIMO

Lowest Channel (5 745 ㎒)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(㎒)	(V/H)	(dB(㎶))	(dB)	(dB)	(dB)	(dB(㎶/m))	(dB(㎶/m))	(dB)
Peak data								
5 717.63	H	50.79	34.69	-22.99	-	62.49	110.14	47.65
11 505.02[1)]	H	58.22	38.00	-47.64	-	48.58	74.00	25.42
17 340.19	V	56.85	41.36	-45.13	-	53.08	68.20	15.12
Average Data								
No spurious emissions were detected within 20 dB of the limit.								

Middle Channel (5 785 ㎒)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(㎒)	(V/H)	(dB(㎶))	(dB)	(dB)	(dB)	(dB(㎶/m))	(dB(㎶/m))	(dB)
Peak data								
11 572.22[1)]	H	59.80	38.06	-47.67	-	50.19	74.00	23.81
17 367.14	H	56.50	41.33	-45.18	-	52.65	68.20	15.55
Average Data								
No spurious emissions were detected within 20 dB of the limit.								

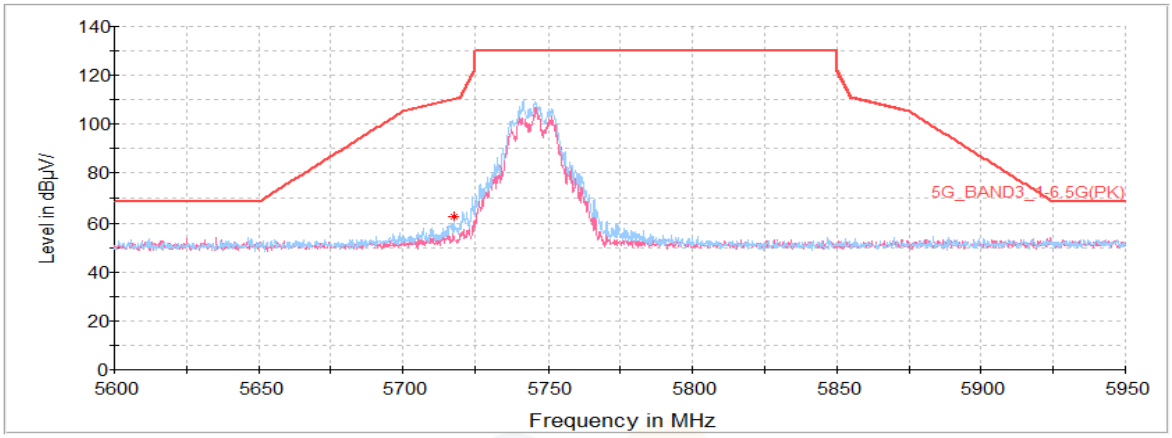
Highest Channel (5 825 ㎒)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(㎒)	(V/H)	(dB(㎶))	(dB)	(dB)	(dB)	(dB(㎶/m))	(dB(㎶/m))	(dB)
Peak data								
5 862.86	H	45.82	34.95	-22.81	-	57.96	108.60	50.64
11 635.11[1)]	H	58.23	38.11	-47.70	-	48.64	74.00	25.36
17 469.20	H	55.78	41.23	-45.36	-	51.65	68.20	16.55
Average Data								
No spurious emissions were detected within 20 dB of the limit.								

802.11a_UNII-3_2TX MIMO

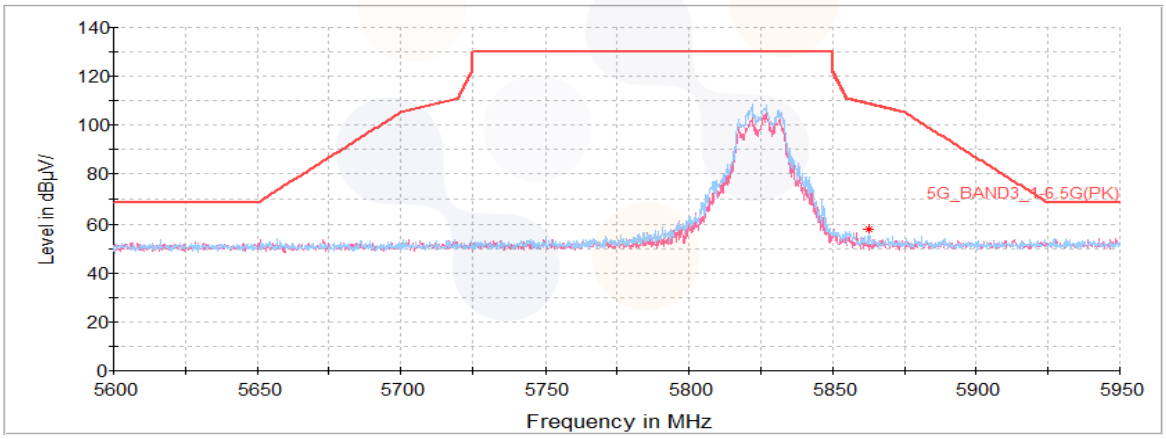
Lowest Channel (5 745 ㎒)

Horizontal/Vertical for Band-edge



Highest Channel (5 825 ㎒)

Horizontal/Vertical for Band-edge



802.11n HT20_UNII-3_ANT1

Lowest Channel (5 745 ㎒)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(㎒)	(V/H)	(dB(㎶))	(dB)	(dB)	(dB)	(dB(㎶/m))	(dB(㎶/m))	(dB)
Peak data								
5 718.14	H	48.83	34.69	-22.99	-	60.53	110.28	49.75
11 378.16[1)]	V	58.55	37.88	-47.65	-	48.78	74.00	25.22
17 140.38	H	55.66	41.56	-44.76	-	52.46	68.20	15.74
Average Data								
No spurious emissions were detected within 20 dB of the limit.								

Middle Channel (5 785 ㎒)

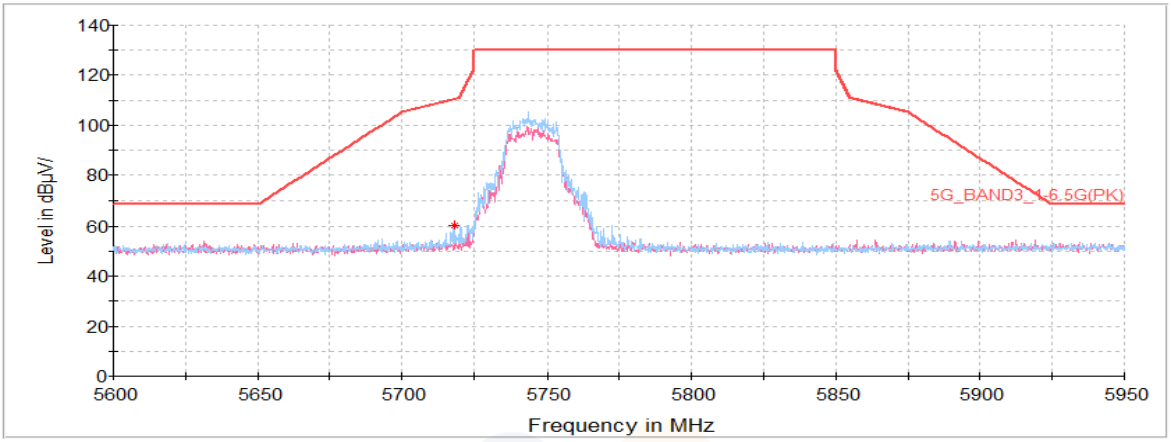
Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(㎒)	(V/H)	(dB(㎶))	(dB)	(dB)	(dB)	(dB(㎶/m))	(dB(㎶/m))	(dB)
Peak data								
11 547.78[1)]	V	57.72	38.04	-47.66	-	48.10	74.00	25.90
17 301.73	H	56.27	41.40	-45.06	-	52.61	68.20	15.59
Average Data								
No spurious emissions were detected within 20 dB of the limit.								

Highest Channel (5 825 ㎒)

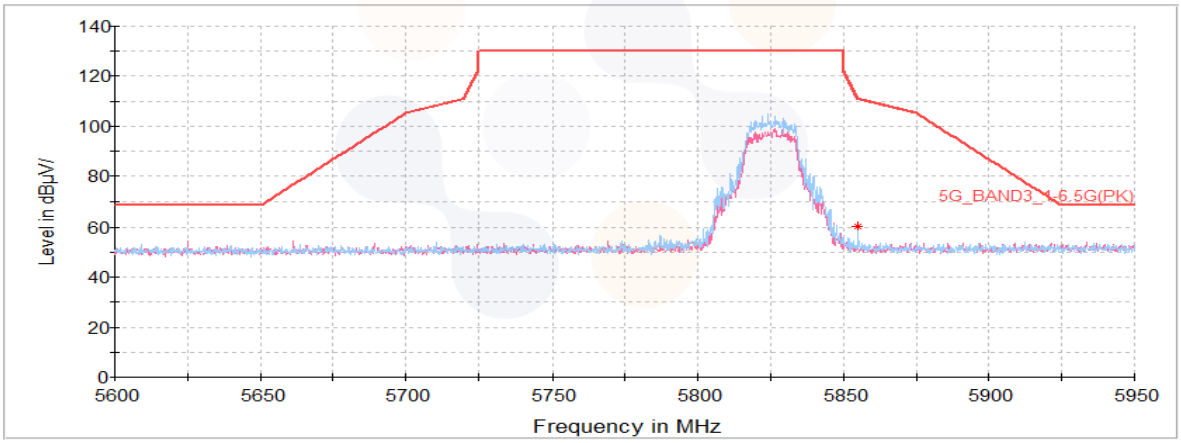
Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(㎒)	(V/H)	(dB(㎶))	(dB)	(dB)	(dB)	(dB(㎶/m))	(dB(㎶/m))	(dB)
Peak data								
5 854.95	H	48.06	34.94	-22.80	-	60.20	110.91	50.71
11 643.73[1)]	V	58.61	38.11	-47.70	-	49.02	74.00	24.98
17 345.58	H	56.34	41.35	-45.14	-	52.55	68.20	15.65
Average Data								
No spurious emissions were detected within 20 dB of the limit.								

802.11n HT20_UNII-3_ANT1

Lowest Channel (5 745 ㎒)

Horizontal/Vertical for Band-edge


Highest Channel (5 825 ㎒)

Horizontal/Vertical for Band-edge


802.11n HT20_UNII-3_ANT2

Lowest Channel (5 745 ㎒)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(㎒)	(V/H)	(dB(㎶))	(dB)	(dB)	(dB)	(dB(㎶/m))	(dB(㎶/m))	(dB)
Peak data								
5 718.14	H	51.94	34.69	-22.99	-	63.64	110.28	46.64
11 370.25[1)]	H	59.40	37.87	-47.65	-	49.62	74.00	24.38
17 271.55	V	55.47	41.43	-45.00	-	51.90	68.20	16.30
Average Data								
No spurious emissions were detected within 20 dB of the limit.								

Middle Channel (5 785 ㎒)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(㎒)	(V/H)	(dB(㎶))	(dB)	(dB)	(dB)	(dB(㎶/m))	(dB(㎶/m))	(dB)
Peak data								
11 574.38[1)]	V	57.80	38.06	-47.67	-	48.19	74.00	25.81
17 334.44	V	55.85	41.37	-45.12	-	52.10	68.20	16.10
Average Data								
No spurious emissions were detected within 20 dB of the limit.								

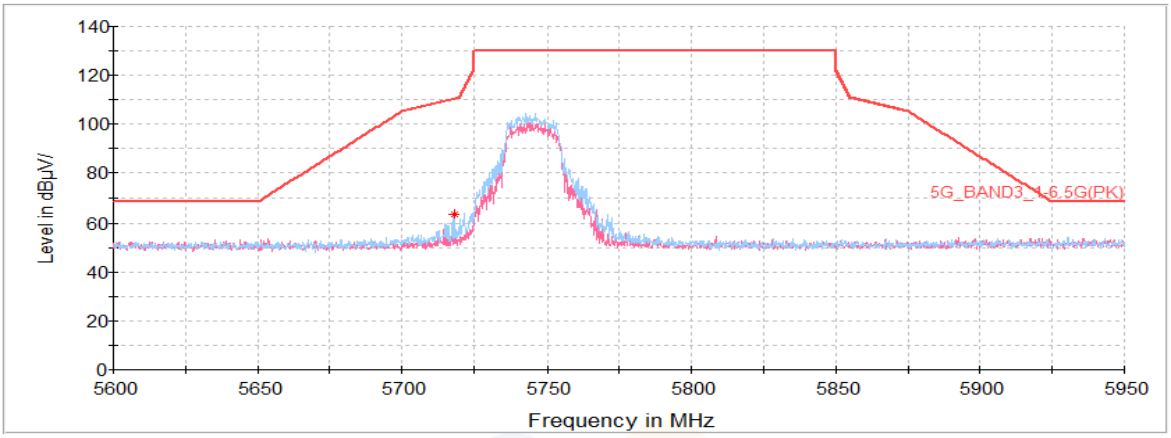
Highest Channel (5 825 ㎒)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(㎒)	(V/H)	(dB(㎶))	(dB)	(dB)	(dB)	(dB(㎶/m))	(dB(㎶/m))	(dB)
Peak data								
5 891.05	V	42.70	35.00	-22.85	-	54.85	93.33	38.48
11 642.66[1)]	H	58.56	38.11	-47.70	-	48.97	74.00	25.03
17 474.59	H	55.49	41.23	-45.37	-	51.35	68.20	16.85
Average Data								
No spurious emissions were detected within 20 dB of the limit.								

802.11n HT20_UNII-3_ANT2

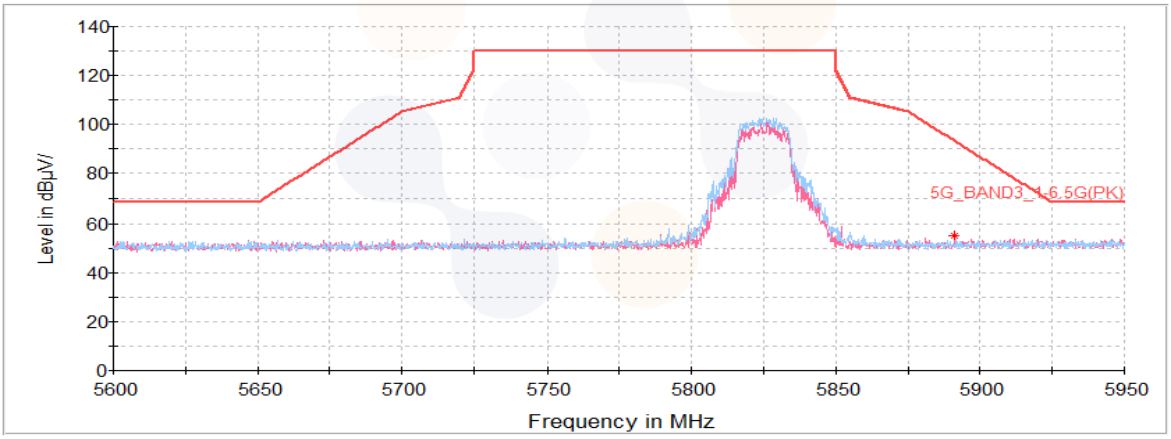
Lowest Channel (5 745 ㎒)

Horizontal/Vertical for Band-edge



Highest Channel (5 825 ㎒)

Horizontal/Vertical for Band-edge



802.11n HT20_UNII-3_2TX MIMO

Lowest Channel (5 745 ㎒)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(㎒)	(V/H)	(dB(㎶))	(dB)	(dB)	(dB)	(dB(㎶/m))	(dB(㎶/m))	(dB)
Peak data								
5 719.17	H	56.39	34.69	-22.99	-	68.09	110.57	42.48
11 501.78[1)]	H	57.85	38.00	-47.64	-	48.21	74.00	25.79
17 261.13	V	55.32	41.44	-44.98	-	51.78	68.20	16.42
Average Data								
No spurious emissions were detected within 20 dB of the limit.								

Middle Channel (5 785 ㎒)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(㎒)	(V/H)	(dB(㎶))	(dB)	(dB)	(dB)	(dB(㎶/m))	(dB(㎶/m))	(dB)
Peak data								
11 576.17[1)]	H	58.05	38.06	-47.67	-	48.44	74.00	25.56
17 304.97	V	55.97	41.40	-45.06	-	52.31	68.20	15.89
Average Data								
No spurious emissions were detected within 20 dB of the limit.								

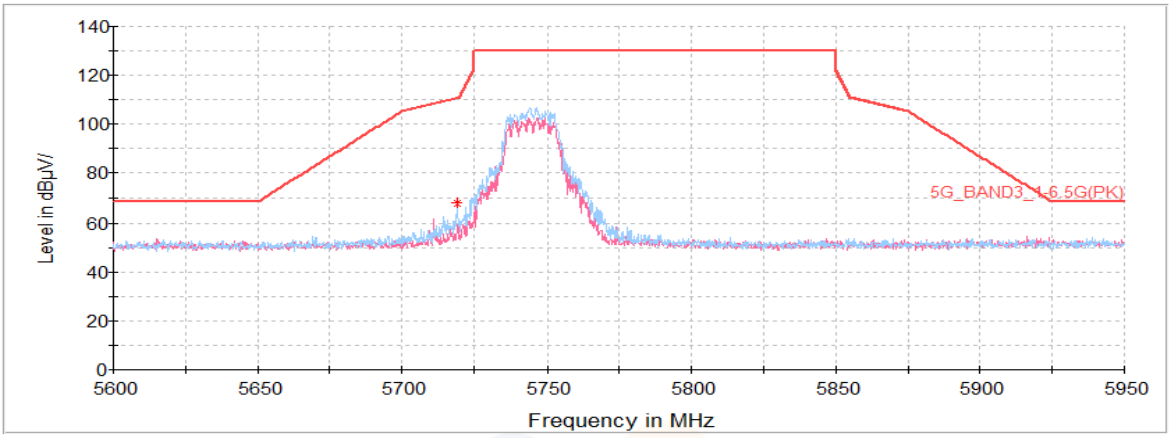
Highest Channel (5 825 ㎒)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(㎒)	(V/H)	(dB(㎶))	(dB)	(dB)	(dB)	(dB(㎶/m))	(dB(㎶/m))	(dB)
Peak data								
5 885.03	V	42.77	34.99	-22.84	-	54.92	97.78	42.85
11 637.63[1)]	H	58.02	38.11	-47.70	-	48.43	74.00	25.57
17 486.09	H	57.33	41.21	-45.39	-	53.15	68.20	15.05
Average Data								
No spurious emissions were detected within 20 dB of the limit.								

802.11n HT20_UNII-3_2TX MIMO

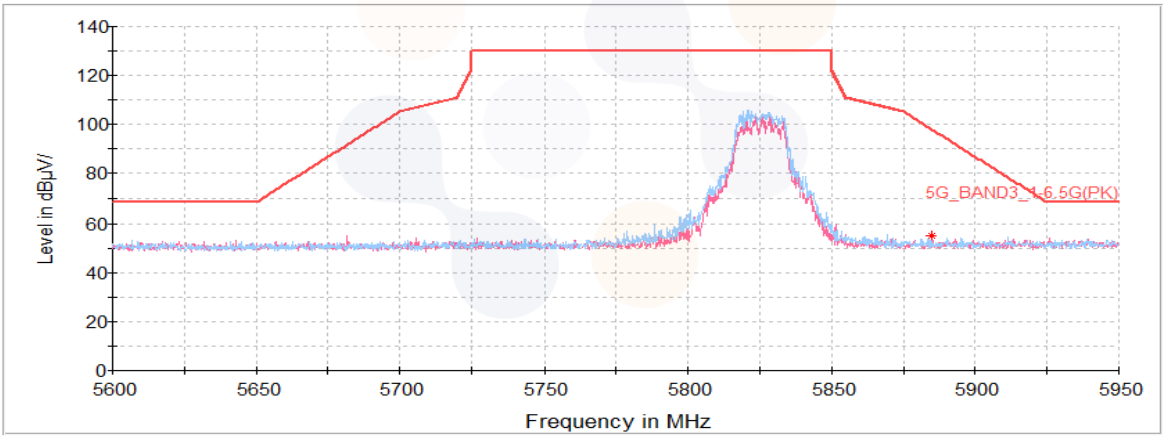
Lowest Channel (5 745 ㎒)

Horizontal/Vertical for Band-edge



Highest Channel (5 825 ㎒)

Horizontal/Vertical for Band-edge



802.11n HT40_UNII-3_ANT1

Lowest Channel (5 755 ㎒)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(㎒)	(V/H)	(dB(㎶))	(dB)	(dB)	(dB)	(dB(㎶/m))	(dB(㎶/m))	(dB)
Peak data								
5 723.64	H	55.80	34.70	-22.97	-	67.53	119.10	51.57
11 740.77[1)]	V	59.61	38.19	-47.75	-	50.05	74.00	23.95
17 322.94	H	56.92	41.38	-45.10	-	53.20	68.20	15.00
Average Data								
No spurious emissions were detected within 20 ㏈ of the limit.								

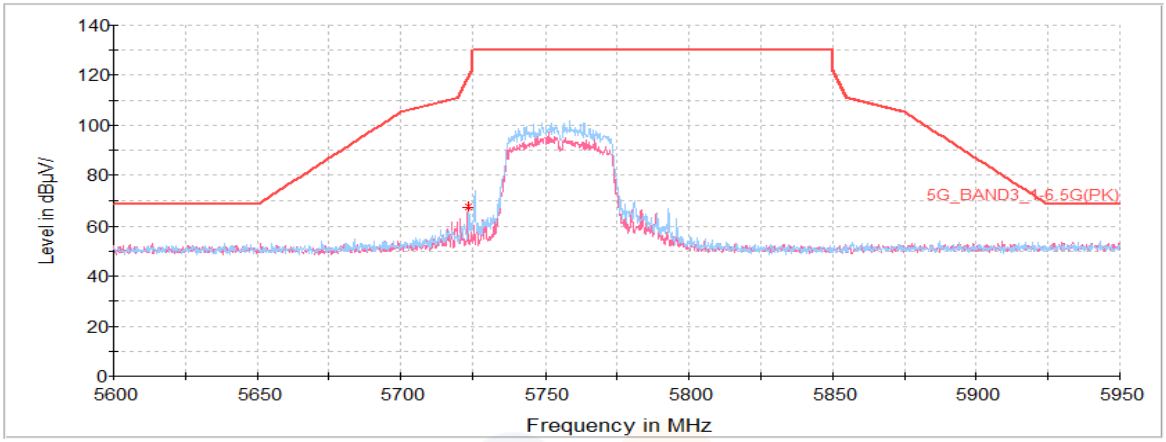
Highest Channel (5 795 ㎒)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(㎒)	(V/H)	(dB(㎶))	(dB)	(dB)	(dB)	(dB(㎶/m))	(dB(㎶/m))	(dB)
Peak data								
5 885.20	H	41.63	34.99	-22.84	-	53.78	97.65	43.87
11 658.83[1)]	V	59.13	38.13	-47.71	-	49.55	74.00	24.45
17 304.25	H	56.78	41.40	-45.06	-	53.12	68.20	15.08
Average Data								
No spurious emissions were detected within 20 ㏈ of the limit.								

802.11n HT40_UNII-3_ANT1

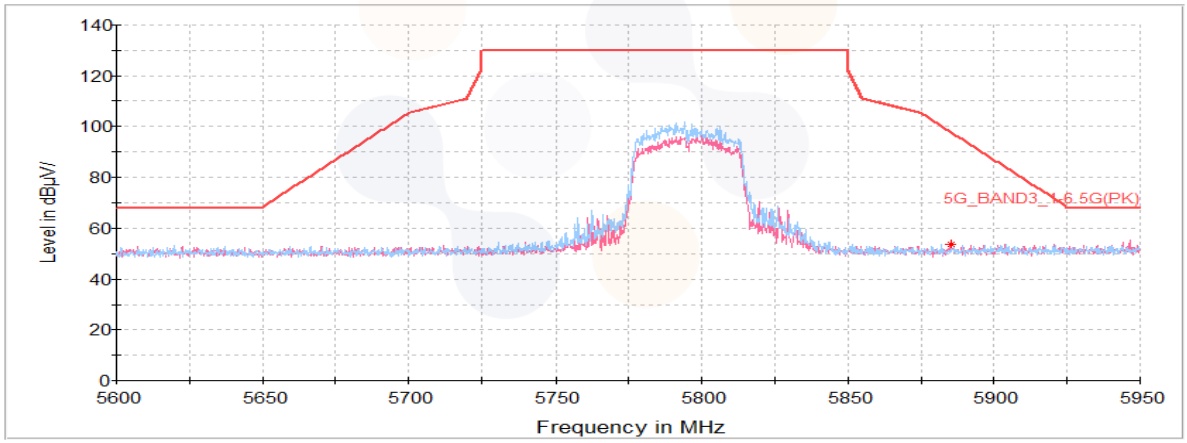
Lowest Channel (5 755 ㎒)

Horizontal/Vertical for Band-edge



Highest Channel (5 795 ㎒)

Horizontal/Vertical for Band-edge



802.11n HT40_UNII-3_ANT2

Lowest Channel (5 755 ㎒)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(㎒)	(V/H)	(dB(㎶))	(dB)	(dB)	(dB)	(dB(㎶/m))	(dB(㎶/m))	(dB)
Peak data								
5 722.95	H	62.74	34.70	-22.97	-	74.47	117.53	43.06
11 539.88[1)]	V	56.98	38.03	-47.66	-	47.35	74.00	26.65
17 221.23	V	54.92	41.48	-44.91	-	51.49	68.20	16.71
Average Data								
No spurious emissions were detected within 20 ㏈ of the limit.								

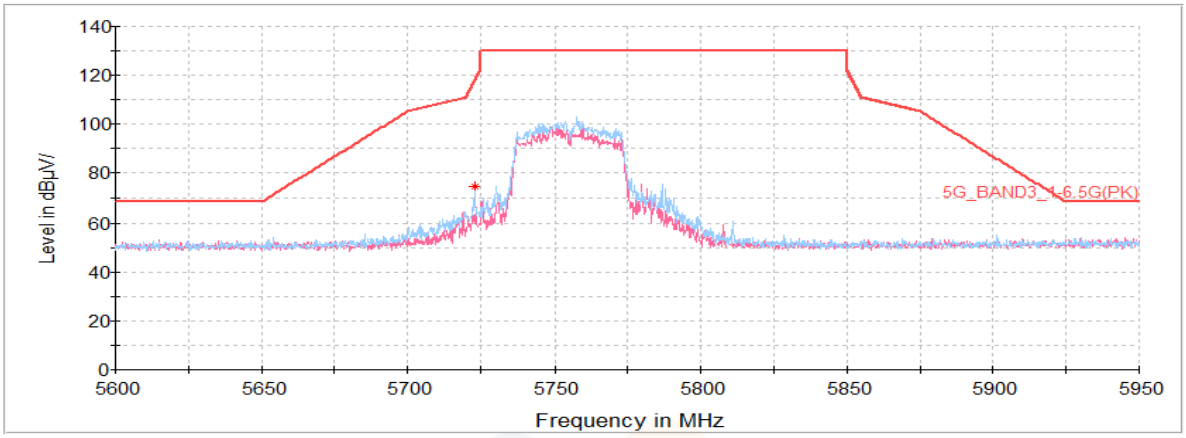
Highest Channel (5 795 ㎒)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(㎒)	(V/H)	(dB(㎶))	(dB)	(dB)	(dB)	(dB(㎶/m))	(dB(㎶/m))	(dB)
Peak data								
5 853.41	V	47.19	34.94	-22.80	-	59.33	114.43	55.10
11 549.22[1)]	H	58.19	38.04	-47.66	-	48.57	74.00	25.43
17 357.80	V	56.22	41.34	-45.16	-	52.40	68.20	15.80
Average Data								
No spurious emissions were detected within 20 ㏈ of the limit.								

802.11n HT40_UNII-3_2TX ANT2

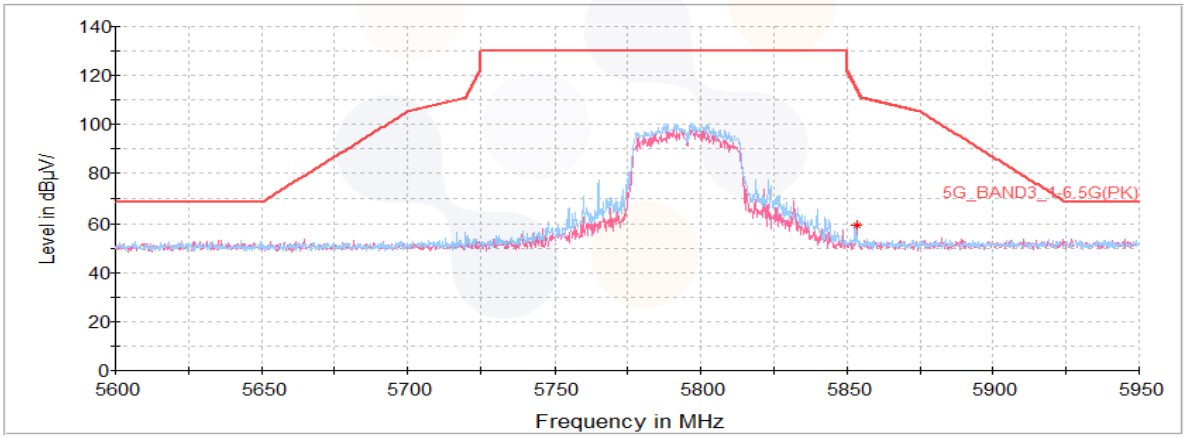
Lowest Channel (5 755 ㎒)

Horizontal/Vertical for Band-edge



Highest Channel (5 795 ㎒)

Horizontal/Vertical for Band-edge



802.11n HT40_UNII-3_2TX MIMO

Lowest Channel (5 755 ㎒)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(㎒)	(V/H)	(dB(㎶))	(dB)	(dB)	(dB)	(dB(㎶/m))	(dB(㎶/m))	(dB)
Peak data								
5 719.86	H	63.66	34.70	-22.98	-	75.38	110.76	35.38
11 522.98[1)]	H	57.22	38.02	-47.65	-	47.59	74.00	26.41
17 146.13	H	55.52	41.55	-44.77	-	52.30	68.20	15.90
Average Data								
No spurious emissions were detected within 20 ㏈ of the limit.								

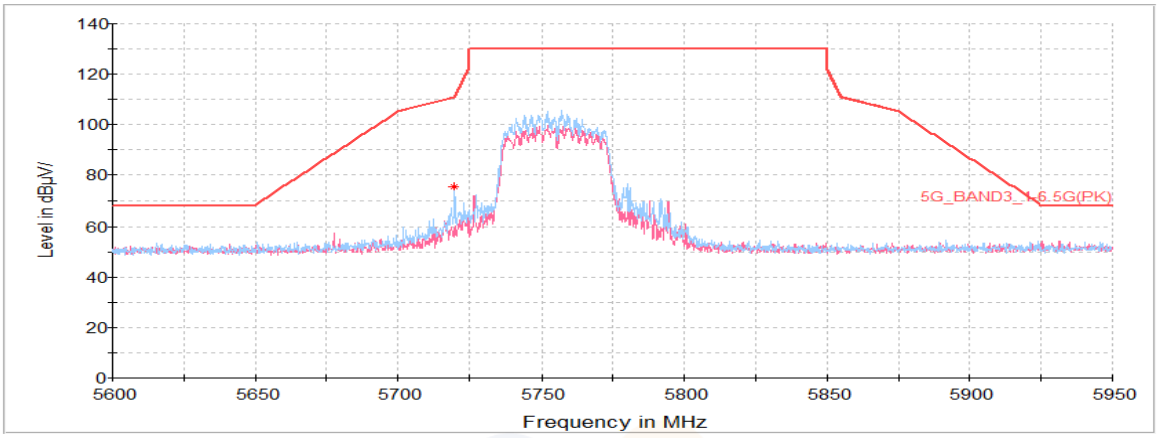
Highest Channel (5 795 ㎒)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(㎒)	(V/H)	(dB(㎶))	(dB)	(dB)	(dB)	(dB(㎶/m))	(dB(㎶/m))	(dB)
Peak data								
5 884.17	H	41.57	34.99	-22.84	-	53.72	110.76	57.04
11 591.63[1)]	V	57.00	38.07	-47.68	-	47.39	74.00	26.61
17 344.86	H	55.49	41.36	-45.14	-	51.71	68.20	16.49
Average Data								
No spurious emissions were detected within 20 ㏈ of the limit.								

802.11n HT40_UNII-3_2TX MIMO

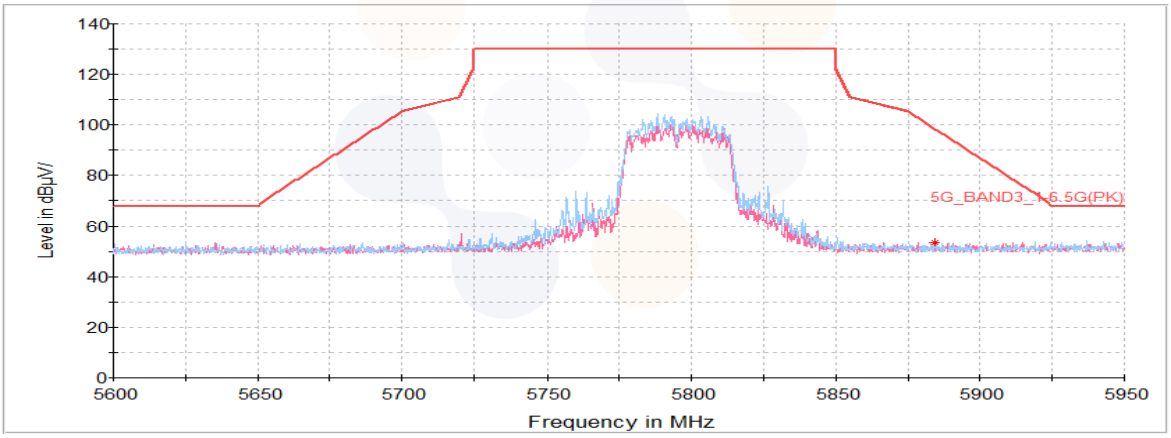
Lowest Channel (5 755 ㎒)

Horizontal/Vertical for Band-edge



Highest Channel (5 795 ㎒)

Horizontal/Vertical for Band-edge



802.11ac VHT20_UNII-3_ANT1

Lowest Channel (5 745 ㎒)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(㎒)	(V/H)	(dB(㎶))	(dB)	(dB)	(dB)	(dB(㎶/m))	(dB(㎶/m))	(dB)
Peak data								
5 715.05	H	45.52	34.69	-23.00	-	57.21	109.41	52.20
11 534.48[1)]	H	57.73	38.03	-47.65	-	48.11	74.00	25.89
17 316.47	V	57.40	41.38	-45.08	-	53.70	68.20	14.50
Average Data								
No spurious emissions were detected within 20 dB of the limit.								

Middle Channel (5 785 ㎒)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(㎒)	(V/H)	(dB(㎶))	(dB)	(dB)	(dB)	(dB(㎶/m))	(dB(㎶/m))	(dB)
Peak data								
11 371.33[1)]	H	58.64	37.87	-47.65	-	48.86	74.00	25.14
17 202.19	V	56.03	41.50	-44.87	-	52.66	68.20	15.54
Average Data								
No spurious emissions were detected within 20 dB of the limit.								

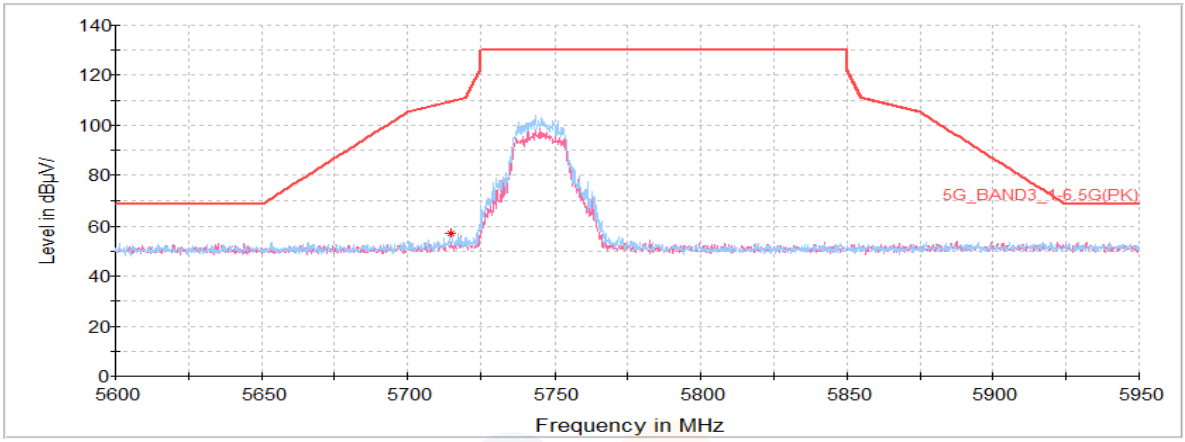
Highest Channel (5 825 ㎒)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(㎒)	(V/H)	(dB(㎶))	(dB)	(dB)	(dB)	(dB(㎶/m))	(dB(㎶/m))	(dB)
Peak data								
5 854.27	H	43.13	34.94	-22.80	-	55.27	112.47	57.20
11 575.09[1)]	V	58.85	38.06	-47.67	-	49.24	74.00	24.76
17 295.98	V	56.22	41.40	-45.05	-	52.57	68.20	15.63
Average Data								
No spurious emissions were detected within 20 dB of the limit.								

802.11ac VHT20_UNII-3_ANT1

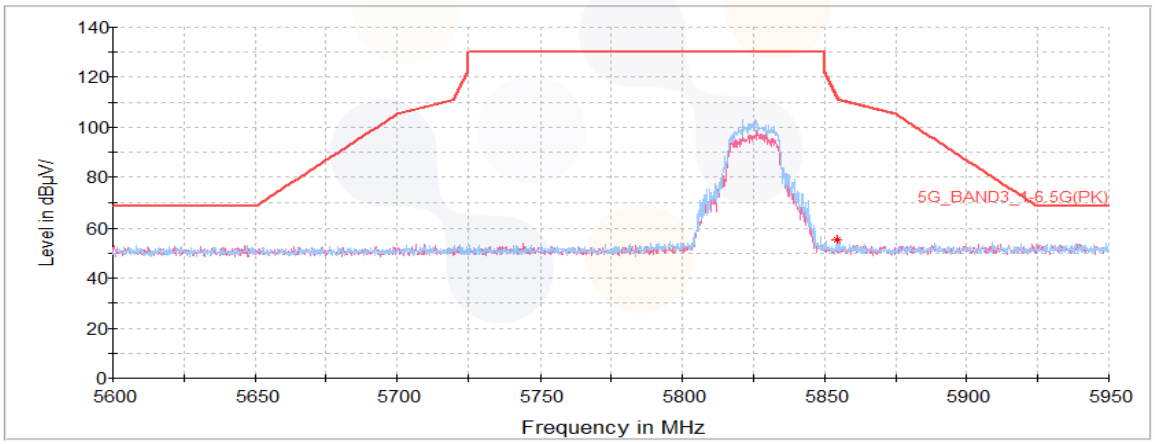
Lowest Channel (5 745 ㎒)

Horizontal/Vertical for Band-edge



Highest Channel (5 825 ㎒)

Horizontal/Vertical for Band-edge



802.11ac VHT20_UNII-3_ANT2

Lowest Channel (5 745 ㎒)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(㎒)	(V/H)	(dB(㎶))	(dB)	(dB)	(dB)	(dB(㎶/m))	(dB(㎶/m))	(dB)
Peak data								
5 719.17	V	46.22	34.69	-22.99	-	57.92	110.57	52.65
9 035.39[1)]	V	61.32	35.74	-48.96	-	48.10	74.00	25.90
11 519.03[1)]	V	57.90	38.02	-47.65	-	48.27	74.00	25.73
17 280.89	V	55.50	41.42	-45.02	-	51.90	68.20	16.30
Average Data								
No spurious emissions were detected within 20 dB of the limit.								

Middle Channel (5 785 ㎒)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(㎒)	(V/H)	(dB(㎶))	(dB)	(dB)	(dB)	(dB(㎶/m))	(dB(㎶/m))	(dB)
Peak data								
11 566.83[1)]	V	57.84	38.05	-47.67	-	48.22	74.00	25.78
17 333.36	V	57.15	41.37	-45.11	-	53.41	68.20	14.79
Average Data								
No spurious emissions were detected within 20 dB of the limit.								

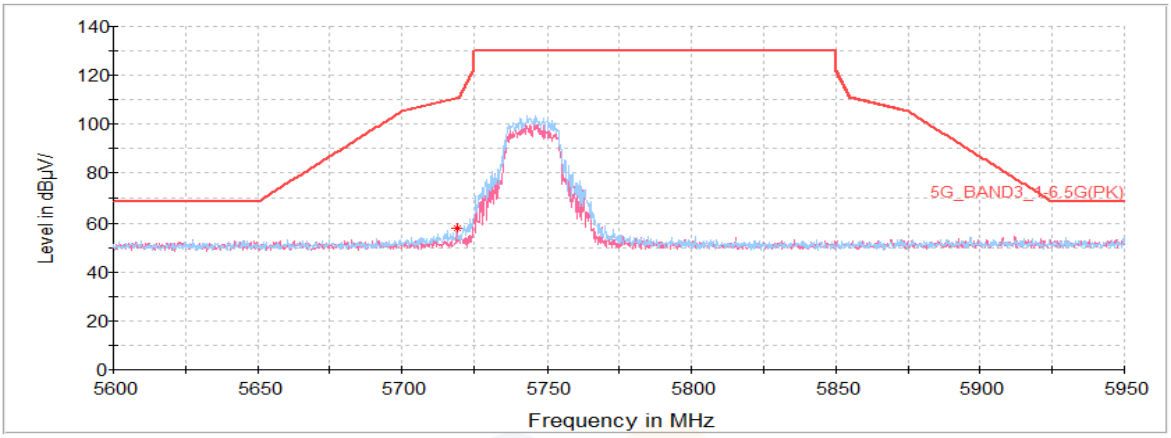
Highest Channel (5 825 ㎒)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(㎒)	(V/H)	(dB(㎶))	(dB)	(dB)	(dB)	(dB(㎶/m))	(dB(㎶/m))	(dB)
Peak data								
5 871.11	H	42.15	34.97	-22.82	-	54.30	106.29	51.99
11 664.22[1)]	V	57.35	38.13	-47.71	-	47.77	74.00	26.23
17 488.61	V	56.09	41.21	-45.40	-	51.90	68.20	16.30
Average Data								
No spurious emissions were detected within 20 dB of the limit.								

802.11ac VHT20_UNII-3_ANT2

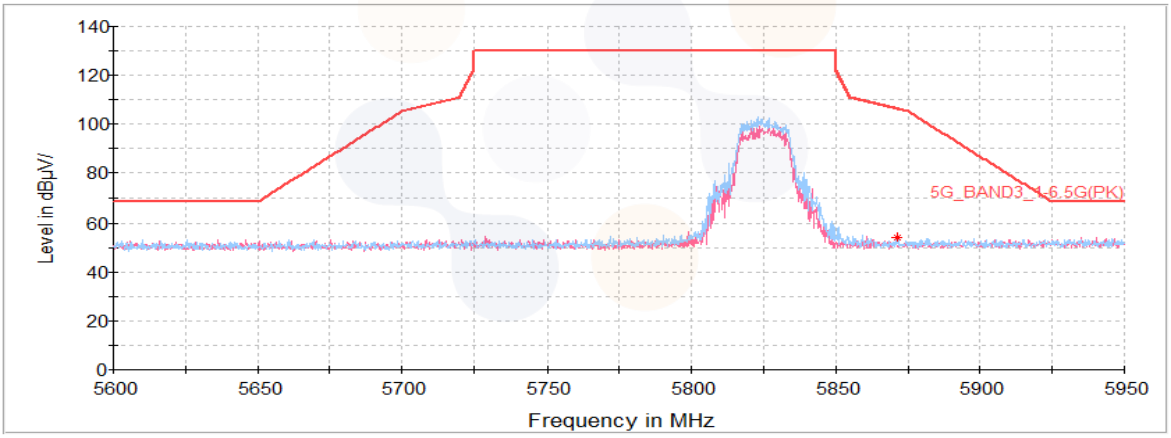
Lowest Channel (5 745 ㎒)

Horizontal/Vertical for Band-edge



Highest Channel (5 825 ㎒)

Horizontal/Vertical for Band-edge



802.11ac VHT20_UNII-3_2TX MIMO

Lowest Channel (5 745 ㎒)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(㎒)	(V/H)	(dB(㎶))	(dB)	(dB)	(dB)	(dB(㎶/m))	(dB(㎶/m))	(dB)
Peak data								
5 720.20	H	51.57	34.70	-22.98	-	63.29	111.26	47.97
11 546.34[1)]	H	57.67	38.04	-47.66	-	48.05	74.00	25.95
17 179.91	H	55.90	41.52	-44.83	-	52.59	68.20	15.61
Average Data								
No spurious emissions were detected within 20 dB of the limit.								

Middle Channel (5 785 ㎒)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(㎒)	(V/H)	(dB(㎶))	(dB)	(dB)	(dB)	(dB(㎶/m))	(dB(㎶/m))	(dB)
Peak data								
11 581.92[1)]	V	57.23	38.07	-47.68	-	47.62	74.00	26.38
17 302.81	H	55.45	41.40	-45.06	-	51.79	68.20	16.41
Average Data								
No spurious emissions were detected within 20 dB of the limit.								

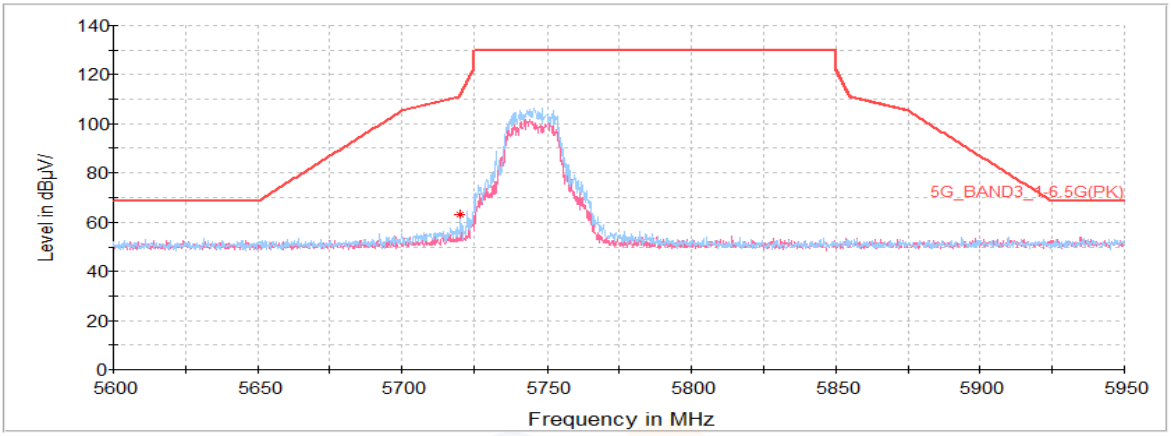
Highest Channel (5 825 ㎒)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(㎒)	(V/H)	(dB(㎶))	(dB)	(dB)	(dB)	(dB(㎶/m))	(dB(㎶/m))	(dB)
Peak data								
5 853.58	H	48.25	34.94	-22.80	-	60.39	114.04	53.65
11 677.52[1)]	V	58.39	38.14	-47.72	-	48.81	74.00	25.19
17 485.38	V	55.21	41.21	-45.39	-	51.03	68.20	17.17
Average Data								
No spurious emissions were detected within 20 dB of the limit.								

802.11ac VHT20_UNII-3_2TX MIMO

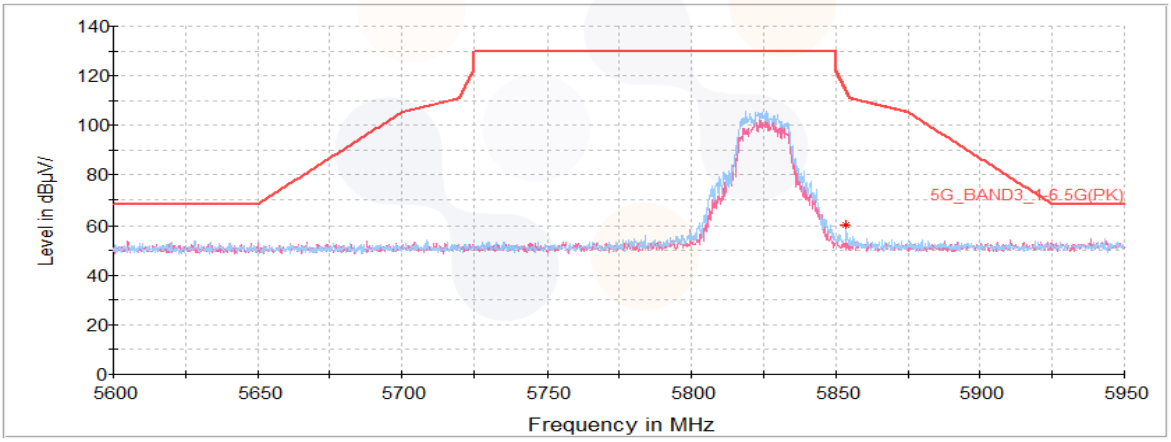
Lowest Channel (5 745 ㎒)

Horizontal/Vertical for Band-edge



Highest Channel (5 825 ㎒)

Horizontal/Vertical for Band-edge



802.11ac VHT40_UNII-3_ANT1

Lowest Channel (5 755 ㎒)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(㎒)	(V/H)	(dB(㎶))	(dB)	(dB)	(dB)	(dB(㎶/m))	(dB(㎶/m))	(dB)
Peak data								
5 712.64	H	45.69	34.68	-23.01	-	57.36	108.74	51.38
11 377.08[1)]	V	60.09	37.88	-47.65	-	50.32	74.00	23.68
17 312.52	H	56.25	41.39	-45.08	-	52.56	68.20	15.64
Average Data								
No spurious emissions were detected within 20 ㏈ of the limit.								

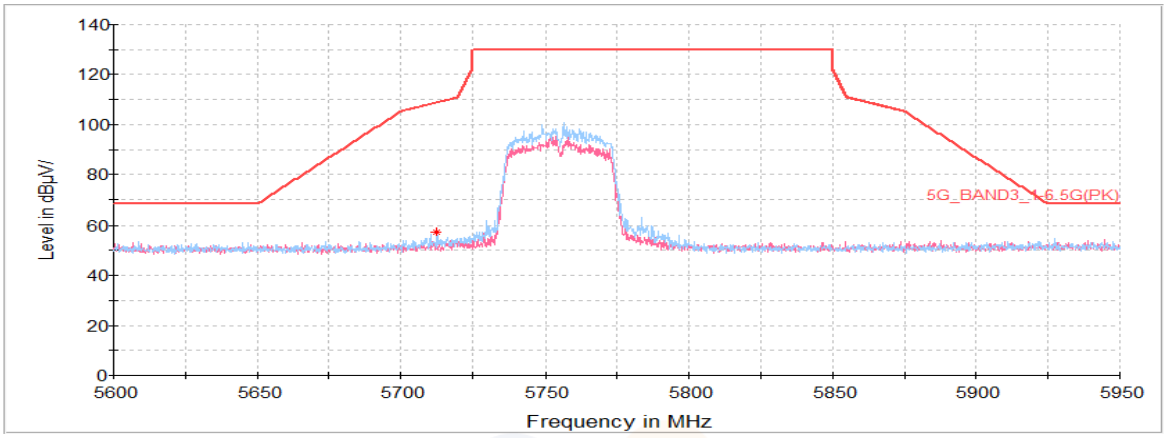
Highest Channel (5 795 ㎒)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(㎒)	(V/H)	(dB(㎶))	(dB)	(dB)	(dB)	(dB(㎶/m))	(dB(㎶/m))	(dB)
Peak data								
5 898.78	V	42.18	35.02	-22.86	-	54.34	87.60	33.26
11 380.67[1)]	V	59.15	37.88	-47.65	-	49.38	74.00	24.62
17 267.95	H	56.10	41.43	-44.99	-	52.54	68.20	15.66
Average Data								
No spurious emissions were detected within 20 ㏈ of the limit.								

802.11ac VHT40_UNII-3_ANT1

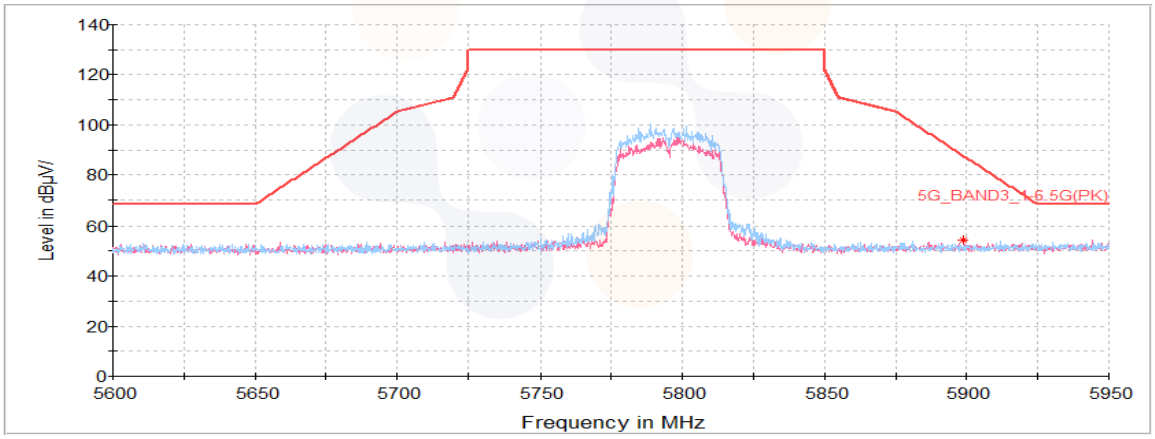
Lowest Channel (5 755 ㎒)

Horizontal/Vertical for Band-edge



Highest Channel (5 795 ㎒)

Horizontal/Vertical for Band-edge



802.11ac VHT40_UNII-3_ANT2

Lowest Channel (5 755 ㎒)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(㎒)	(V/H)	(dB(㎶))	(dB)	(dB)	(dB)	(dB(㎶/m))	(dB(㎶/m))	(dB)
Peak data								
5 721.41	H	50.83	34.70	-22.98	-	62.55	114.01	51.45
11 530.89[1)]	V	57.90	38.02	-47.65	-	48.27	74.00	25.73
17 244.95	H	55.70	41.46	-44.95	-	52.21	68.20	15.99
Average Data								
No spurious emissions were detected within 20 ㏈ of the limit.								

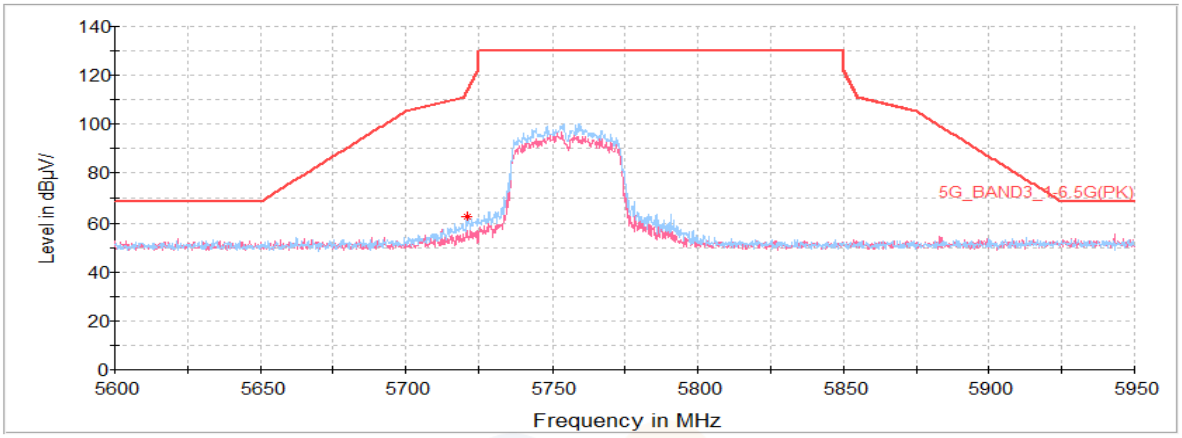
Highest Channel (5 795 ㎒)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(㎒)	(V/H)	(dB(㎶))	(dB)	(dB)	(dB)	(dB(㎶/m))	(dB(㎶/m))	(dB)
Peak data								
5 882.80	H	41.97	34.99	-22.84	-	54.12	99.43	45.31
11 675.36[1)]	V	58.40	38.14	-47.72	-	48.82	74.00	25.18
17 348.45	V	55.93	41.35	-45.14	-	52.14	68.20	16.06
Average Data								
No spurious emissions were detected within 20 ㏈ of the limit.								

802.11ac VHT40_UNII-3_ANT2

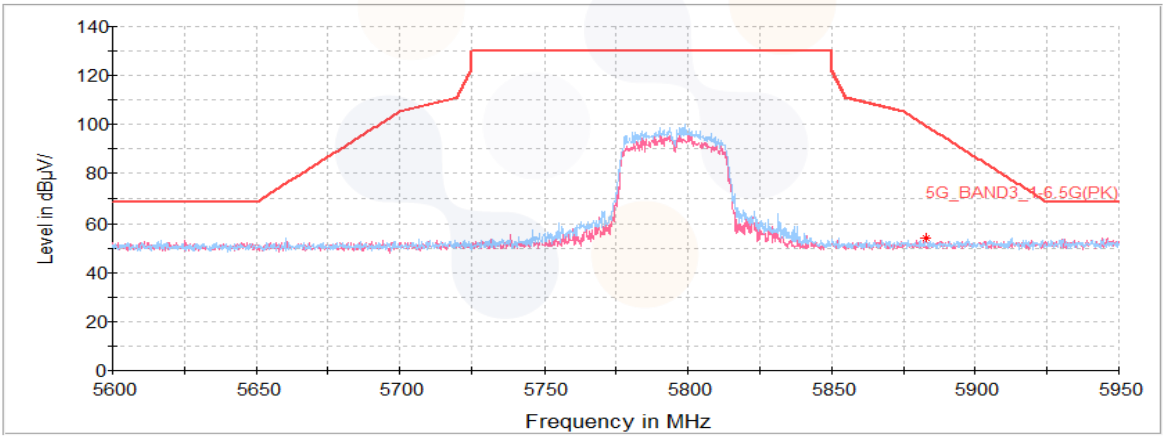
Lowest Channel (5 755 ㎒)

Horizontal/Vertical for Band-edge



Highest Channel (5 795 ㎒)

Horizontal/Vertical for Band-edge



802.11ac VHT40_UNII-3_2TX MIMO

Lowest Channel (5 755 ㎒)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(㎒)	(V/H)	(dB(㎶))	(dB)	(dB)	(dB)	(dB(㎶/m))	(dB(㎶/m))	(dB)
Peak data								
5 719.17	V	51.65	34.69	-22.99	-	63.35	110.57	47.21
11 535.56[1)]	V	57.59	38.03	-47.65	-	47.97	74.00	26.03
17 308.20	V	55.81	41.39	-45.07	-	52.13	68.20	16.07
Average Data								
No spurious emissions were detected within 20 ㏈ of the limit.								

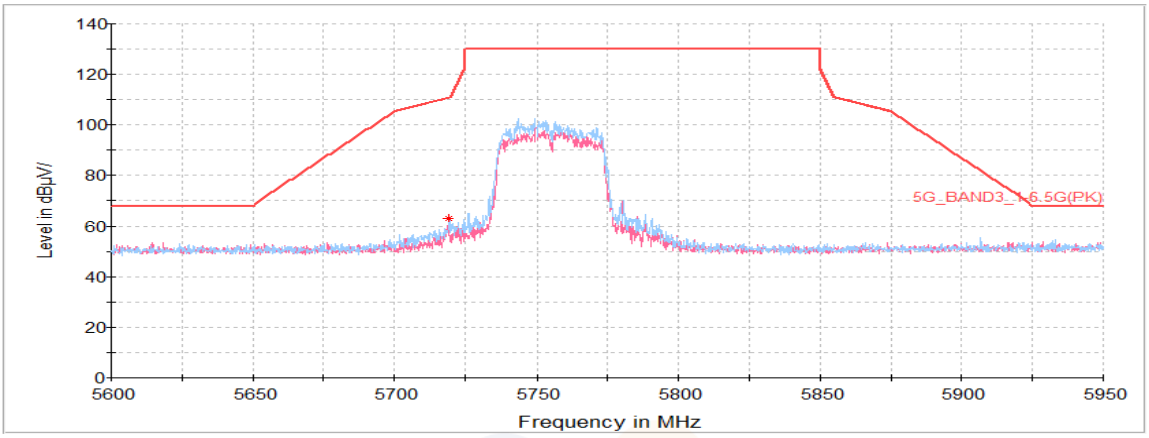
Highest Channel (5 795 ㎒)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(㎒)	(V/H)	(dB(㎶))	(dB)	(dB)	(dB)	(dB(㎶/m))	(dB(㎶/m))	(dB)
Peak data								
5 870.25	H	41.71	34.97	-22.82	-	53.86	106.53	52.67
11 629.36[1)]	H	57.66	38.10	-47.70	-	48.06	74.00	25.94
17 350.25	H	56.71	41.35	-45.14	-	52.92	68.20	15.28
Average Data								
No spurious emissions were detected within 20 ㏈ of the limit.								

802.11ac VHT40_UNII-3_2TX MIMO

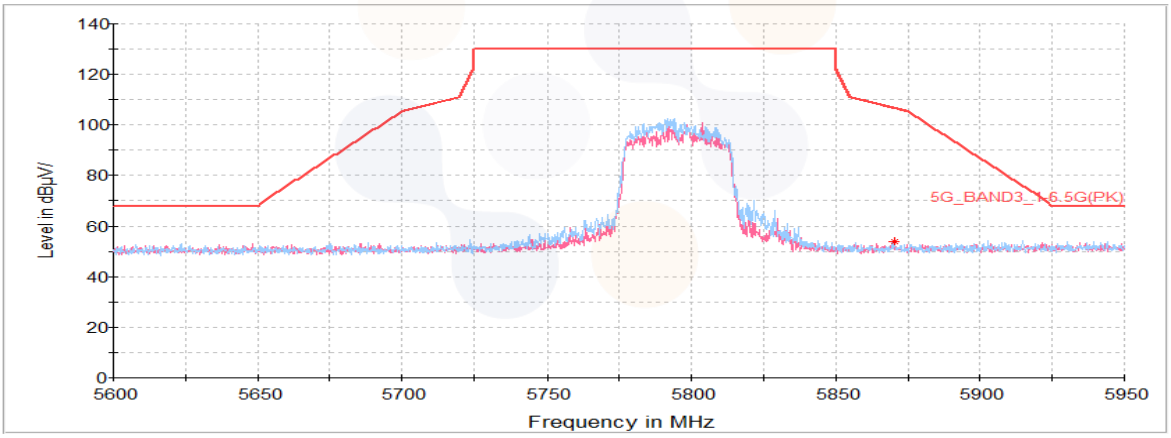
Lowest Channel (5 755 ㎒)

Horizontal/Vertical for Band-edge



Highest Channel (5 795 ㎒)

Horizontal/Vertical for Band-edge

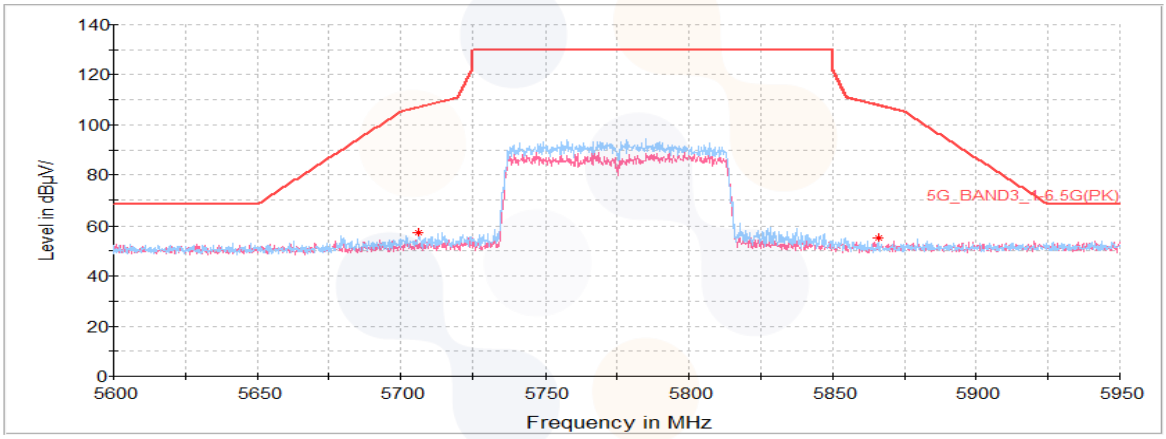


802.11ac VHT80_UNII-3_ANT1

Middle Channel (5 775 ㎒)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(㎒)	(V/H)	(dB(㎶))	(dB)	(dB)	(dB)	(dB(㎶/m))	(dB(㎶/m))	(dB)
Peak data								
5 706.28	H	45.87	34.67	-23.03	-	57.51	106.96	49.45
5 865.78	H	43.01	34.96	-22.81	-	55.16	107.78	52.62
11 401.16[1)]	V	58.24	37.90	-47.65	-	48.49	74.00	25.51
17 298.50	H	56.84	41.40	-45.05	-	53.19	68.20	15.01
Average Data								
No spurious emissions were detected within 20 ㏈ of the limit.								

Horizontal/Vertical for Band-edge

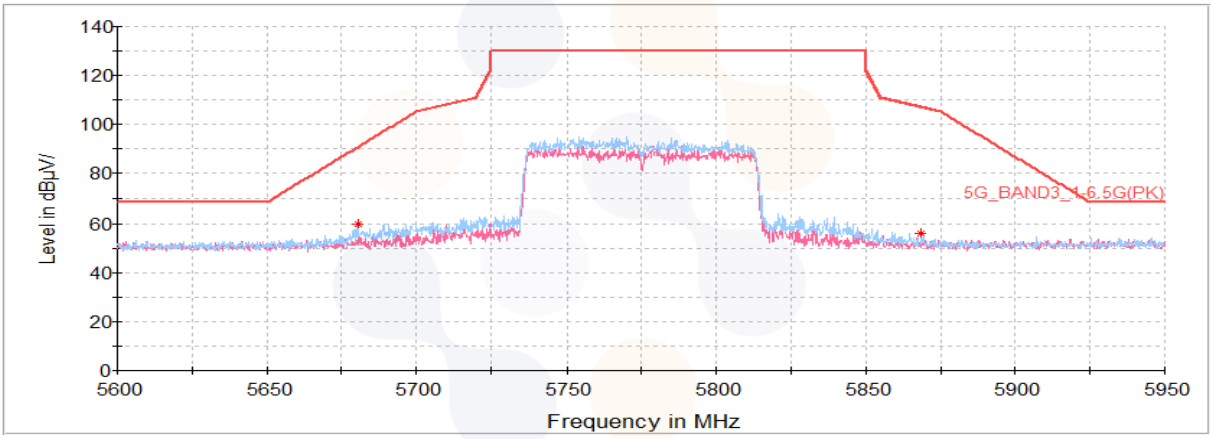


802.11ac VHT80_UNII-3_ANT2

Middle Channel (5 775 ㎒)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(㎒)	(V/H)	(dB(㎶))	(dB)	(dB)	(dB)	(dB(㎶/m))	(dB(㎶/m))	(dB)
Peak data								
5 680.50	H	48.30	34.62	-23.07	-	59.85	90.77	30.92
5 868.53	H	43.70	34.96	-22.82	-	55.84	107.01	51.18
11 584.80[1)]	V	57.84	38.07	-47.68	-	48.23	74.00	25.77
17 306.41	V	56.17	41.39	-45.06	-	52.50	68.20	15.70
Average Data								
No spurious emissions were detected within 20 ㏈ of the limit.								

Horizontal/Vertical for Band-edge



802.11ac VHT80_UNII-3_2TX MIMO

Middle Channel (5 775 ㎒)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(㎒)	(V/H)	(dB(㎶))	(dB)	(dB)	(dB)	(dB(㎶/m))	(dB(㎶/m))	(dB)
Peak data								
5 721.23	H	51.90	34.70	-22.98	-	63.62	113.61	50.00
5 871.80	H	44.08	34.97	-22.82	-	56.23	106.10	49.87
11 560.72[1)]	H	58.36	38.05	-47.67	-	48.74	74.00	25.26
17 313.23	V	56.42	41.39	-45.08	-	52.73	68.20	15.47
Average Data								
No spurious emissions were detected within 20 ㏈ of the limit.								

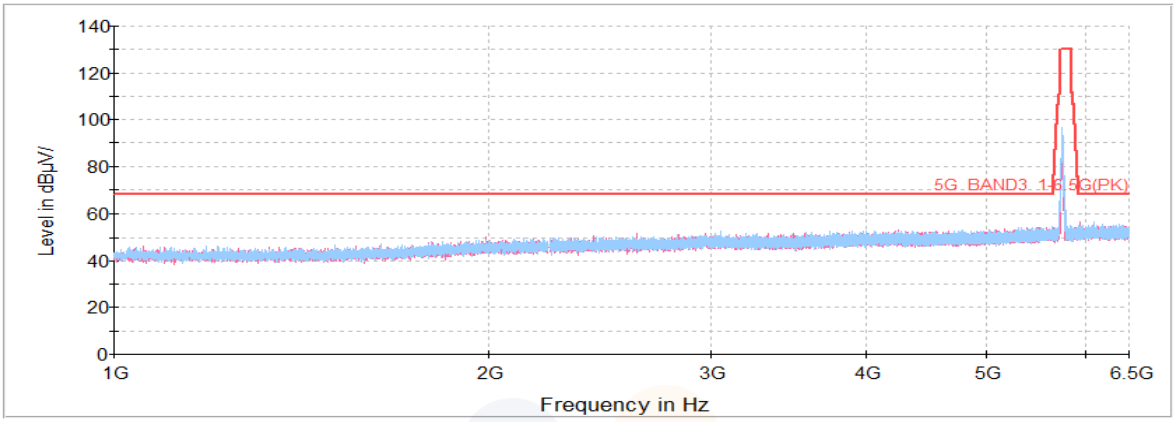
Horizontal/Vertical for Band-edge

Plot of Harmonics and Spurious Emissions

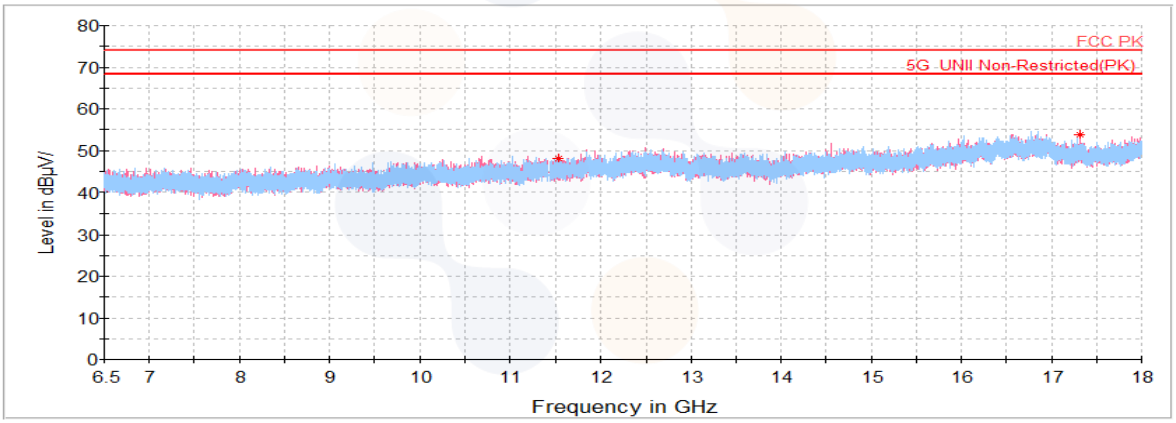
In order to simplify the report, attached plots were only the lowest margin condition

802.11ac VHT20_UNII-3_ANT1_Low Channel (5 745 ㎒)

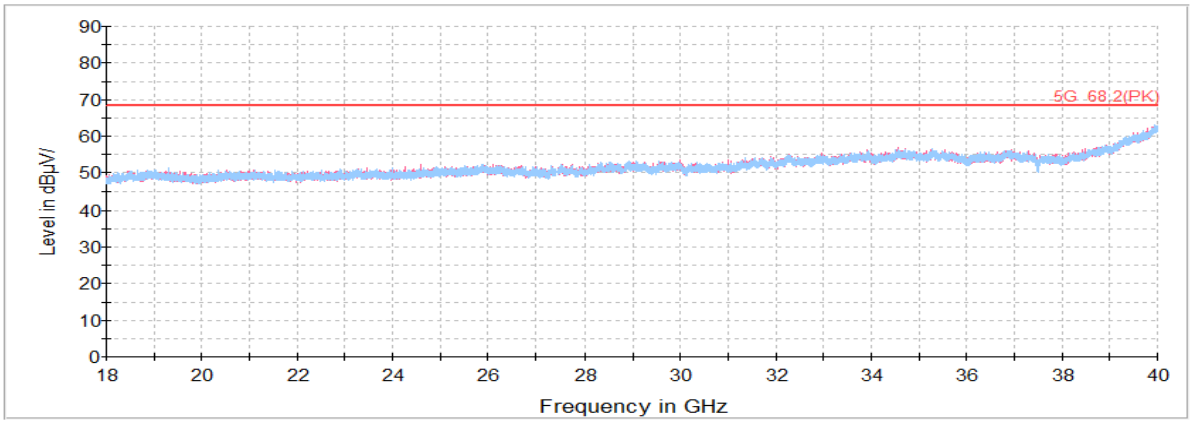
Horizontal/Vertical for 1 ㎓ ~ 6.5 ㎓



Horizontal/Vertical for 6.5 ㎓ ~ 18 ㎓



Horizontal/Vertical for 18 ㎓ ~ 40 ㎓



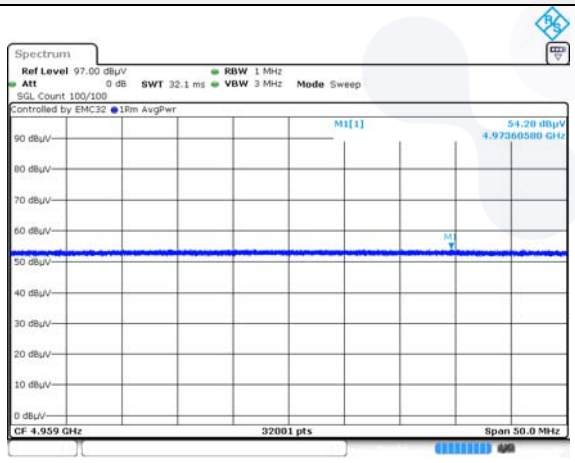
Spurious Emission for Simultaneous Tx Condition

Case	Bluetooth	5 GHz ANT2 WLAN
Mode	BLE	n40
Channel	39	38
Frequency	2 480	5 190
Data Rate	2M Bits/s, 37 Packet	MCS0

Notes.
The lowest margin condition among the channels and modes were selected for test.

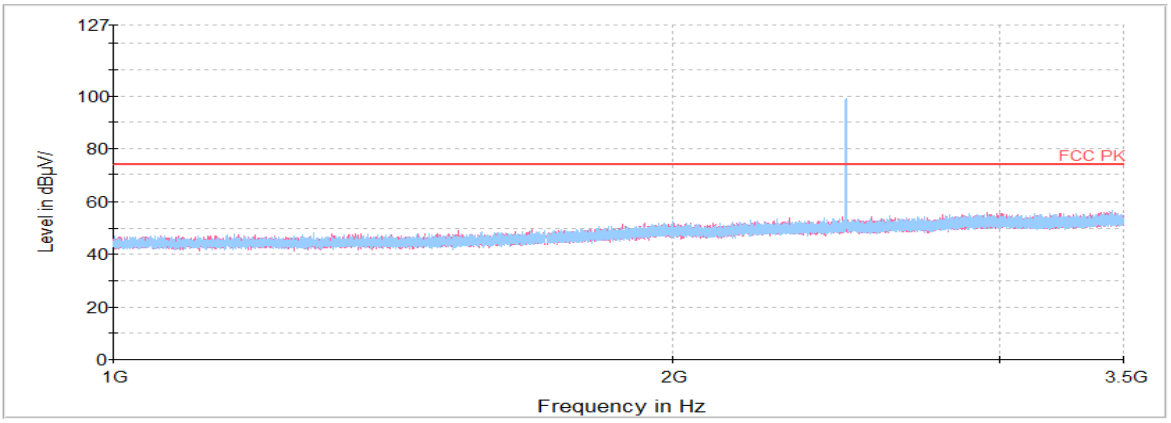
Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(㎒)	(V/H)	(dB(㎶))	(dB)	(dB)	(dB)	(dB(㎶/m))	(dB(㎶/m))	(dB)
Peak data								
4 973.61[1)]	V	63.41	33.70	-44.96	-	52.15	74.00	21.85
10 403.89	V	57.35	37.12	-47.92	-	46.55	68.20	21.65
15 557.33[1)]	V	56.29	40.35	-46.81	-	49.83	74.00	24.17
Average Data								
4 973.61[1)]	V	54.28	33.70	-44.96	5.06	48.08	54.00	5.92

Average data

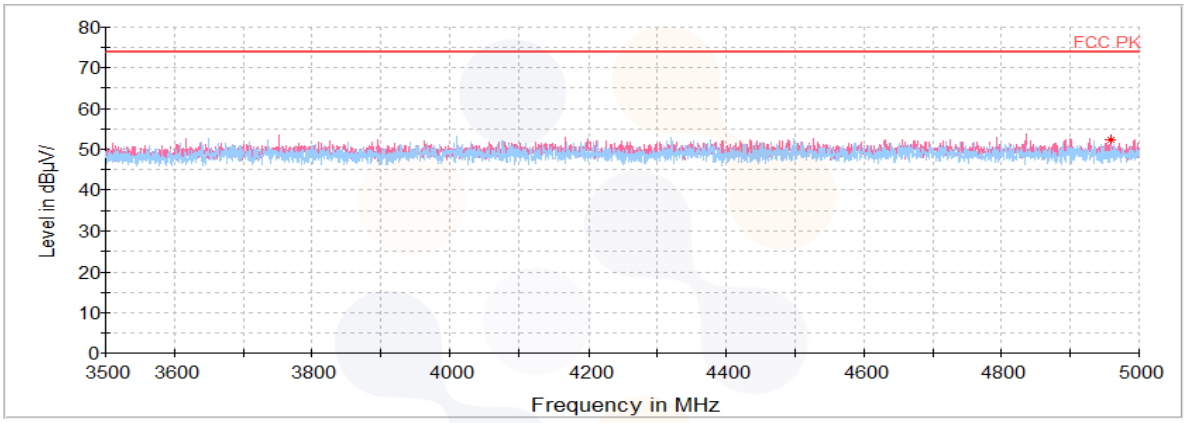


Blank

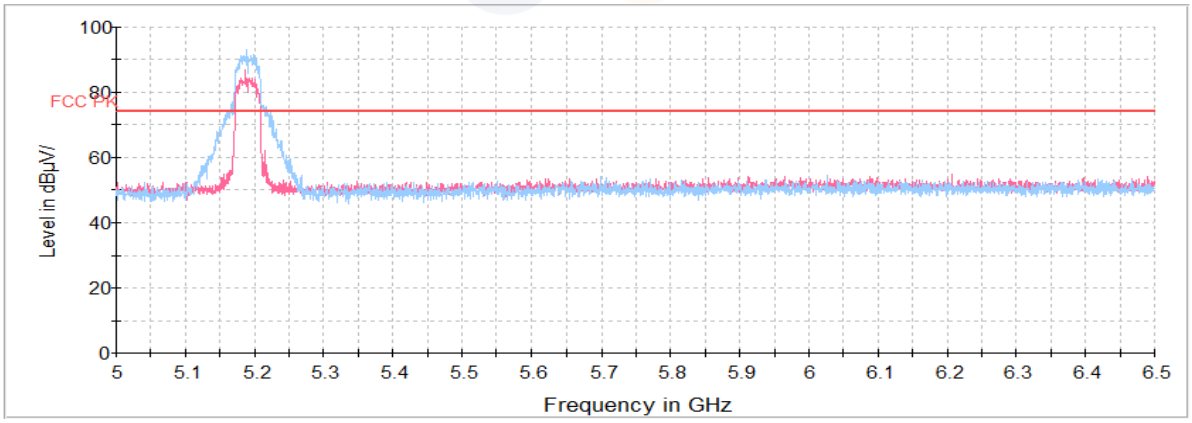
Horizontal/Vertical for 1 ㎓ ~ 3.5 ㎓



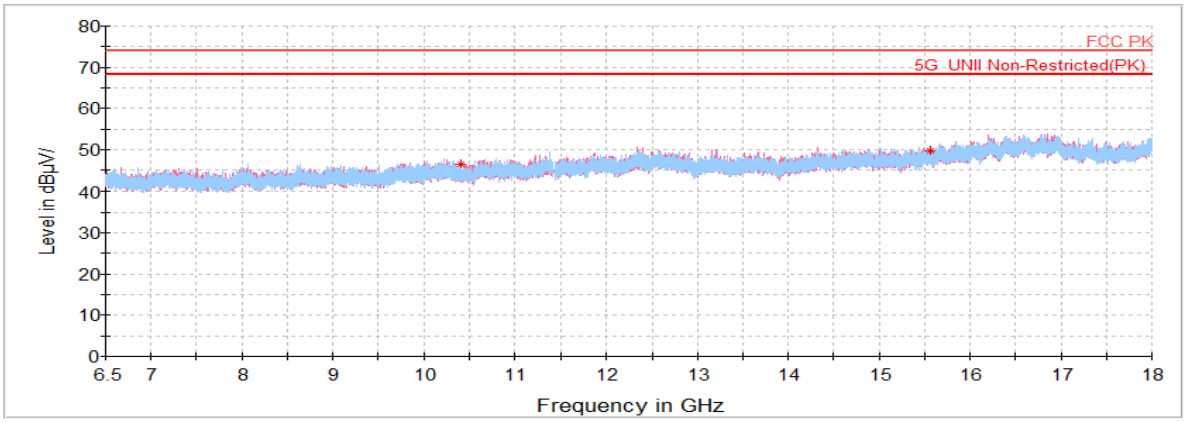
Horizontal/Vertical for 3.5 ㎓ ~ 5 ㎓



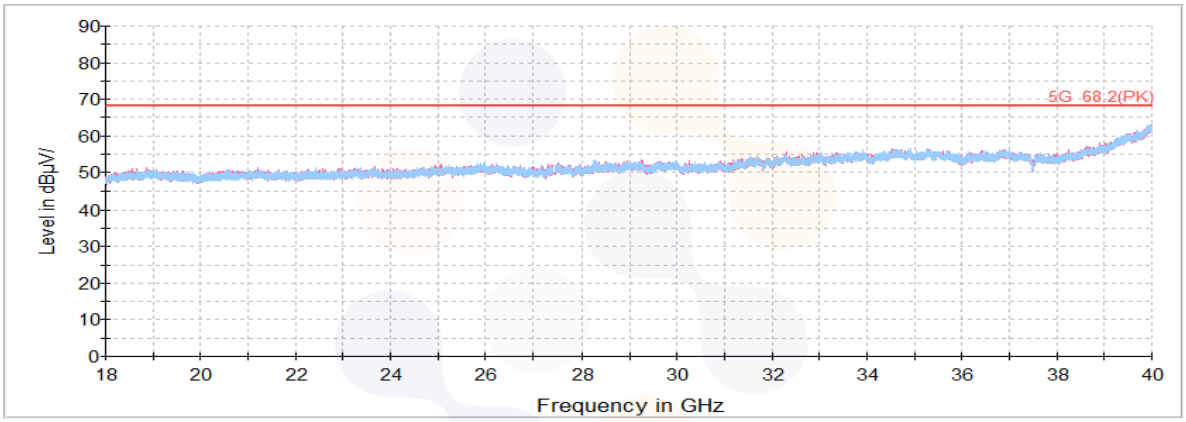
Horizontal/Vertical for 5 ㎓ ~ 6.5 ㎓



Horizontal/Vertical for 6.5 ㎓ ~ 18 ㎓

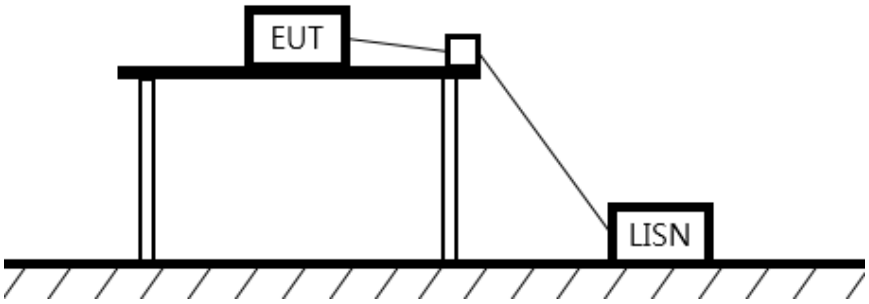


Horizontal/Vertical for 18 ㎓ ~ 40 ㎓



7.7. AC Conducted emission

Test setup



Limit

§15.407

According to 15.207(a) and RSS-Gen (8.8), for an intentional radiator that is designed to be connected to the public utility (AC) power line, the radio frequency voltage that is conducted back onto the AC power line on any frequency or frequencies, within the band 150 ㎑ to 30 ㎒, shall not exceed the limits in the following table, as measured using a 50uH/50 ohm line impedance stabilization network (LISN). Compliance with the provision of this paragraph shall on the measurement of the radio frequency voltage between each power line and ground at the power terminal. The lower applies at the boundary between the frequencies ranges.

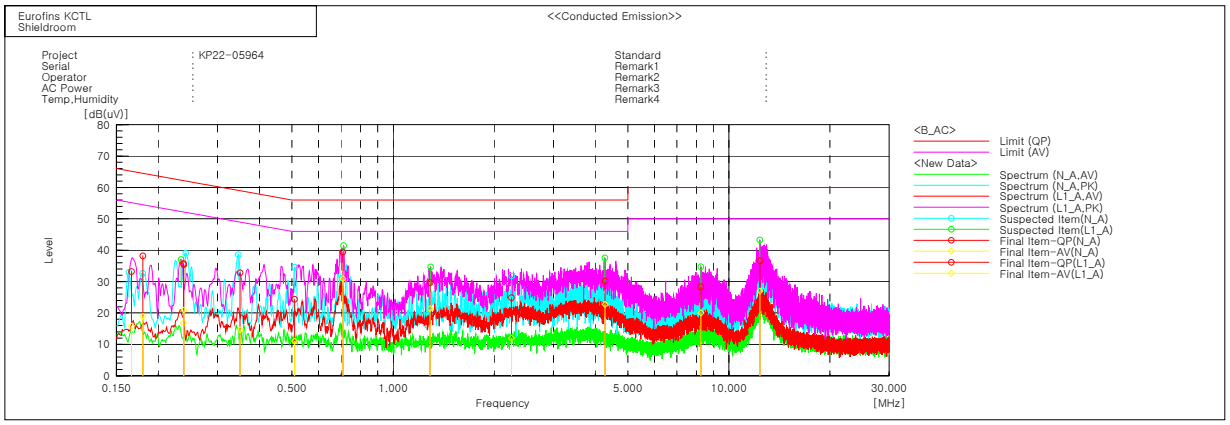
Frequency of Emission (㎒)	Conducted limit (dBμV/m)	
	Quasi-peak	Average
0.15 – 0.50	66 - 56*	56 - 46*
0.50 – 5.00	56	46
5.00 – 30.0	60	50

Measurement procedure

1. The EUT was placed on a wooden table of size, 1 m by 1.5 m, raised 80 ㎝ in which is located 40 ㎝ away from the vertical wall and 1.5m away from the side wall of the shielded room.
2. Each current-carrying conductor of the EUT power cord was individually connected through a 50Ω/50μH LISN, which is an input transducer to a spectrum analyzer or an EMI/Field Intensity Meter, to the input power source.
3. Exploratory measurements were made to identify the frequency of the emission that had the highest amplitude relative to the limit by operating the EUT in a range of typical modes of operation, cable position, and with a typical system equipment configuration and arrangement. Based on the exploratory tests of the EUT, the one EUT cable configuration and arrangement and mode of operation that had produced the emission with the highest amplitude relative to the limit was selected for the final measurement.
4. The final test on all current-carrying conductors of all of the power cords to the equipment that comprises the EUT (but not the cords associated with other non-EUT equipment is the system) was then performed over the frequency range of 0.15 ㎒ to 30 ㎒.
5. The measurements were made with the detector set to peak amplitude within a bandwidth of 10 ㎑ or to quasi-peak and average within a bandwidth of 9 ㎑. The EUT was in transmitting mode during the measurements.

Test results

Worst case: 802.11a MIMO / UNII-1_5 240 ㎒



Final Result

--- N_A Phase ---

No.	Frequency [MHz]	Reading QP [dB(uV)]	Reading CAV [dB(uV)]	c.f [dB]	Result QP [dB(uV)]	Result CAV [dB(uV)]	Limit QP [dB(uV)]	Limit AV [dB(uV)]	Margin QP [dB]	Margin CAV [dB]
1	0.16629	23.0	5.6	10.2	33.2	15.8	65.1	55.1	31.9	39.3
2	0.17995	28.0	8.8	10.2	38.2	19.0	64.5	54.5	26.3	35.5
3	0.23759	26.0	7.0	9.8	35.8	16.8	62.2	52.2	26.4	35.4
4	0.35021	22.9	4.8	9.9	32.8	14.7	59.0	49.0	26.2	34.3
5	0.50864	14.4	1.0	10.0	24.4	11.0	56.0	46.0	31.6	35.0
6	2.25162	15.1	2.2	9.8	24.9	12.0	56.0	46.0	31.1	34.0

--- L1_A Phase ---

No.	Frequency [MHz]	Reading QP [dB(uV)]	Reading CAV [dB(uV)]	c.f [dB]	Result QP [dB(uV)]	Result CAV [dB(uV)]	Limit QP [dB(uV)]	Limit AV [dB(uV)]	Margin QP [dB]	Margin CAV [dB]
1	0.23841	25.6	11.1	9.8	35.4	20.9	62.2	52.2	26.8	31.3
2	0.7087	29.5	21.0	9.9	39.4	30.9	56.0	46.0	16.6	15.1
3	1.28893	19.9	11.6	9.8	29.7	21.4	56.0	46.0	26.3	24.6
4	4.27872	20.2	12.8	9.9	30.1	22.7	56.0	46.0	25.9	23.3
5	8.25304	18.3	9.9	10.1	28.4	20.0	60.0	50.0	31.6	30.0
6	12.3716	26.2	16.6	10.4	36.6	27.0	60.0	50.0	23.4	23.0

8. Measurement equipment

Equipment Name	Manufacturer	Model No.	Serial No.	Next Cal. Date
Spectrum Analyzer	R&S	FSV30	100810	23.07.12
DC Power Supply	AGILENT	E3632A	KR75304571	23.05.02
Attenuator	API Inmet	40AH2W-10	11	23.05.03
Vector Signal Generator	R&S	SMBV100A	257566	23.07.04
Signal Generator	R&S	SMB100A	176206	23.01.19
Spectrum Analyzer	R&S	FSV40	100989	23.10.14
EMI Test Receiver	R&S	ESCI7	100732	23.01.19
Bi-Log Antenna	TESEQ	CBL 6112D	62438	24.08.24
Amplifier	SONOMA INSTRUMENT	310N	284608	23.08.18
Attenuator	KEYSIGHT	8491B-6dB	MY39271060	24.04.27
ISOLATION TRANSFORMER	ONETECH CO., LTD	OT-IT500VA	OTR1-16026	23.03.28
Horn antenna	ETS.lindgren	3117	155787	23.09.29
Horn antenna	ETS.lindgren	3116	00086635	23.05.04
Attenuator	API Inmet	40AH2W-10	12	23.05.03
Amplifier	B&Z Technologies	BZRT-00504000-481055-382525	26299-27735	23.09.19
Amplifier	B&Z Technologies	BZR-0050400-551028-252525	27736	23.09.19
Loop Antenna	R&S	HFH2-Z2	100355	24.08.10
Antenna Mast	Innco Systems	MA4640-XP-ET	-	-
Turn Table	Innco Systems	CO3000	1175/45850319/P	-
Antenna Mast	Innco Systems	MA4000-EP	303	-
Turn Table	Innco Systems	CO3000	1175/45850319/P	-
High Pass Filter	WT	WT-A1699-HS	WT160411002	23.05.03
TWO-LINE V - NETWORK	R&S	ENV216	101358	23.09.29
EMI Test Receiver	R&S	ESCI3	100001	23.08.18

End of test report