

KCTL Inc.

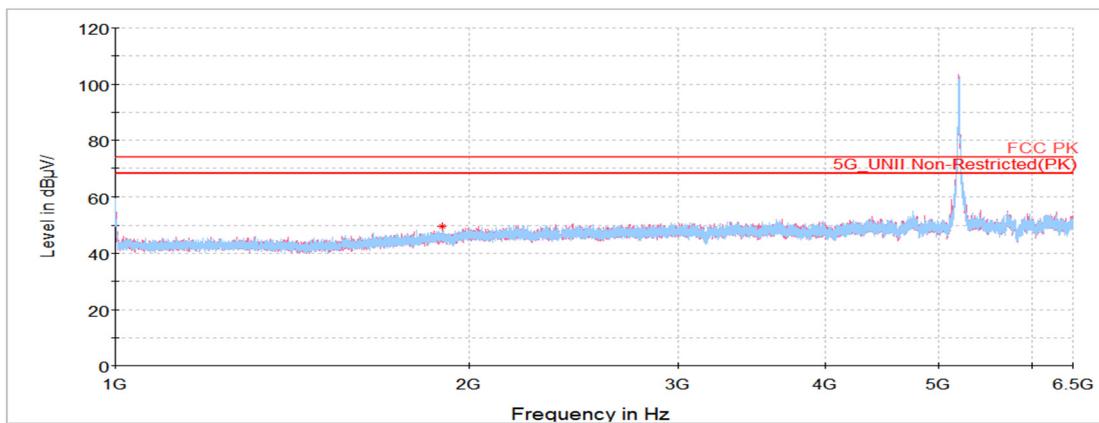
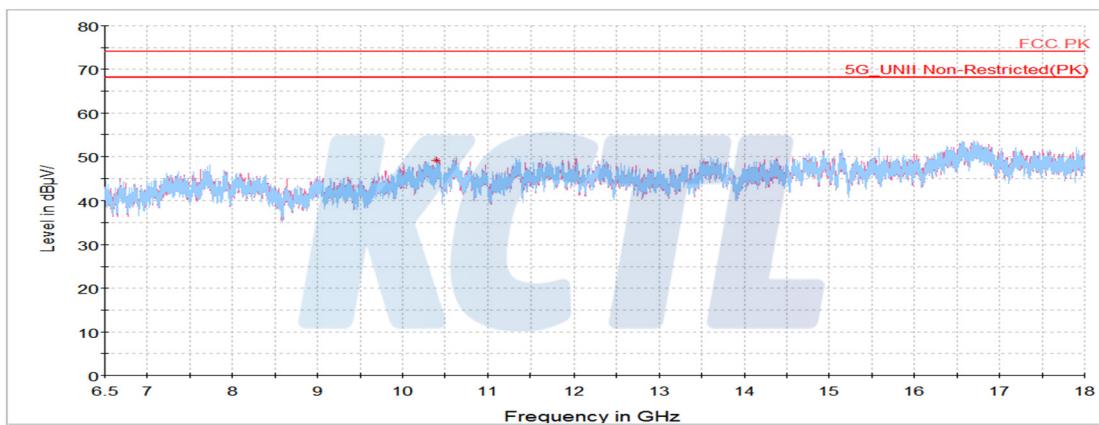
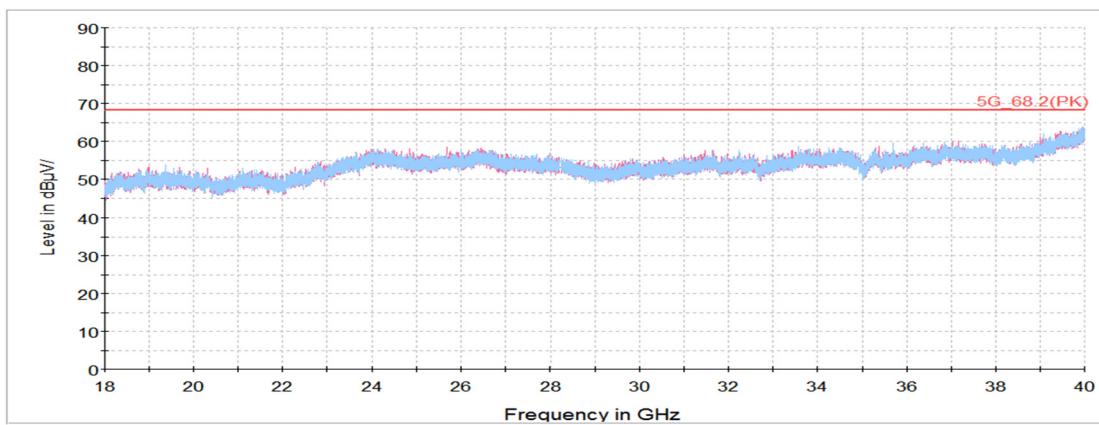
65, Sinwon-ro, Yeongtong-gu,
Suwon-si, Gyeonggi-do, 16677, Korea
TEL: 82-31-285-0894 FAX: 82-505-299-8311
www.kctl.co.kr

Report No.:
KR19-SRF0192-B

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**Middle Channel (5 200 MHz)**

Frequency (MHz)	Pol.	Reading (dB(μV))	Ant. Factor (dB)	Amp.+Cable (dB)	DCCF	Result (dB(μV/m))	Limit (dB(μV/m))	Margin (dB)
Peak data								
1 897.70	V	68.13	30.94	-49.62	-	49.45	68.20	18.75
10 403.17	H	60.40	37.34	-48.63	-	49.11	68.20	19.09
Average Data								
No spurious emissions were detected within 20 dB of the limit								

Horizontal/Vertical for 1 GHz ~ 6.5 GHz**Horizontal/Vertical for 6.5 GHz ~ 18 GHz****Horizontal/Vertical for 18 GHz ~ 40 GHz**

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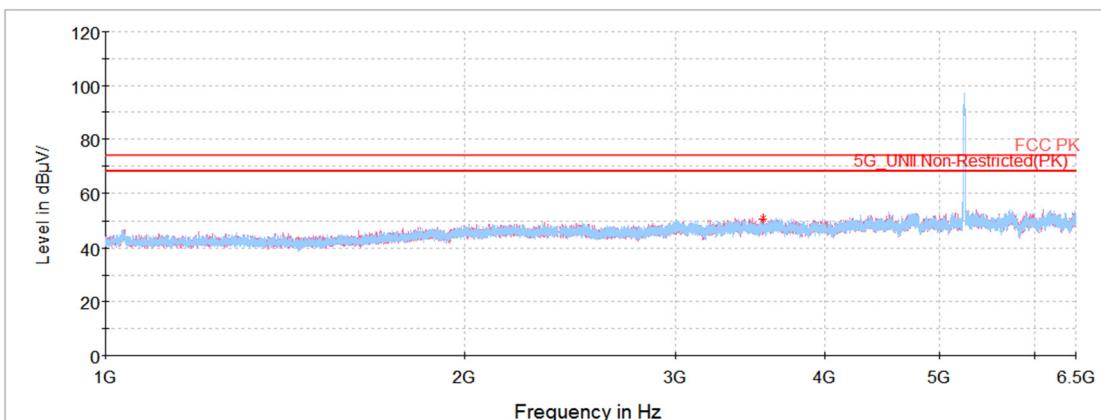
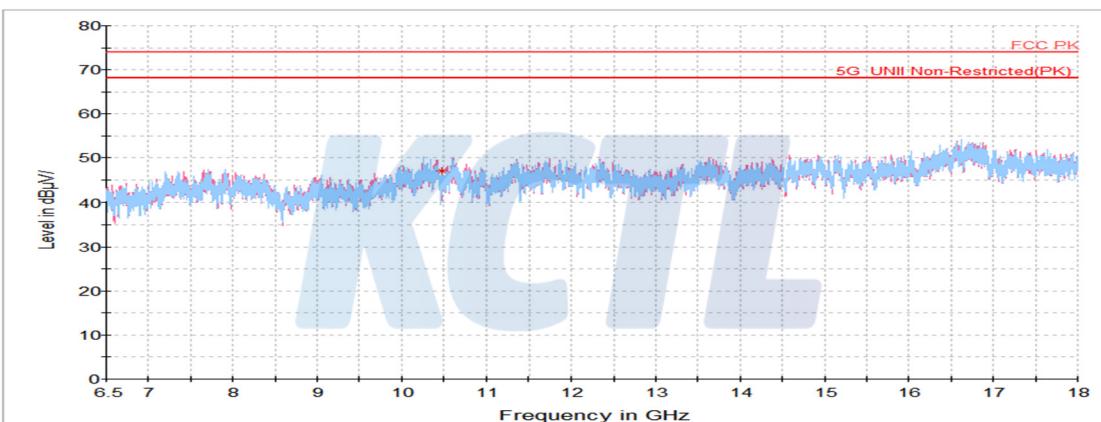
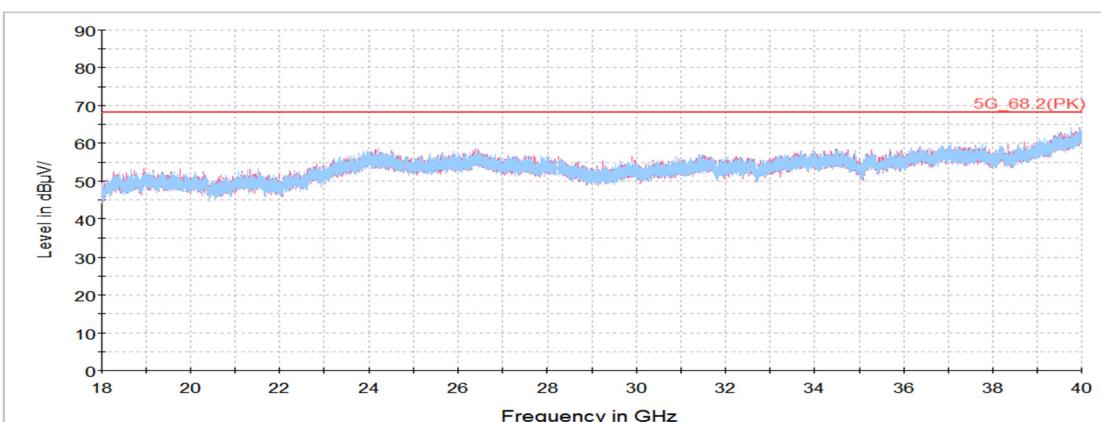
**Highest Channel (5 240 MHz)**

Frequency (MHz)	Pol.	Reading (dB(μ V))	Ant. Factor (dB)	Amp.+Cable (dB)	DCCF	Result (dB(μ V/m))	Limit (dB(μ V/m))	Margin (dB)
Peak data								
3 557.16	V	64.93	32.61	-46.83	-	50.71	68.20	17.49
10 484.39	V	57.78	37.39	-48.16	-	47.01	68.20	21.19
Average Data								
No spurious emissions were detected within 20 dB of the limit								

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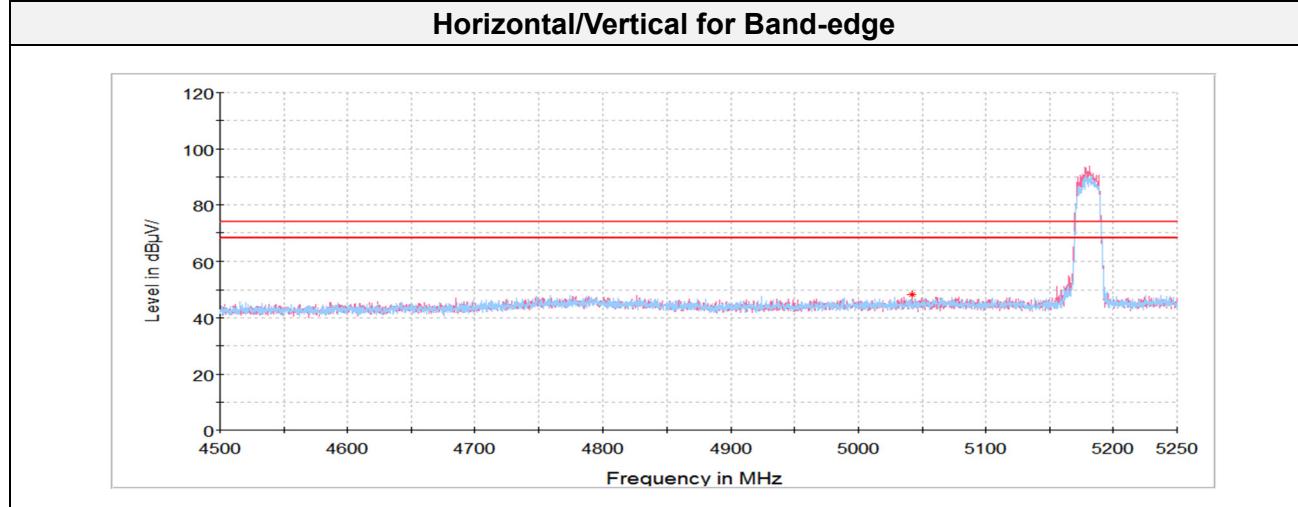
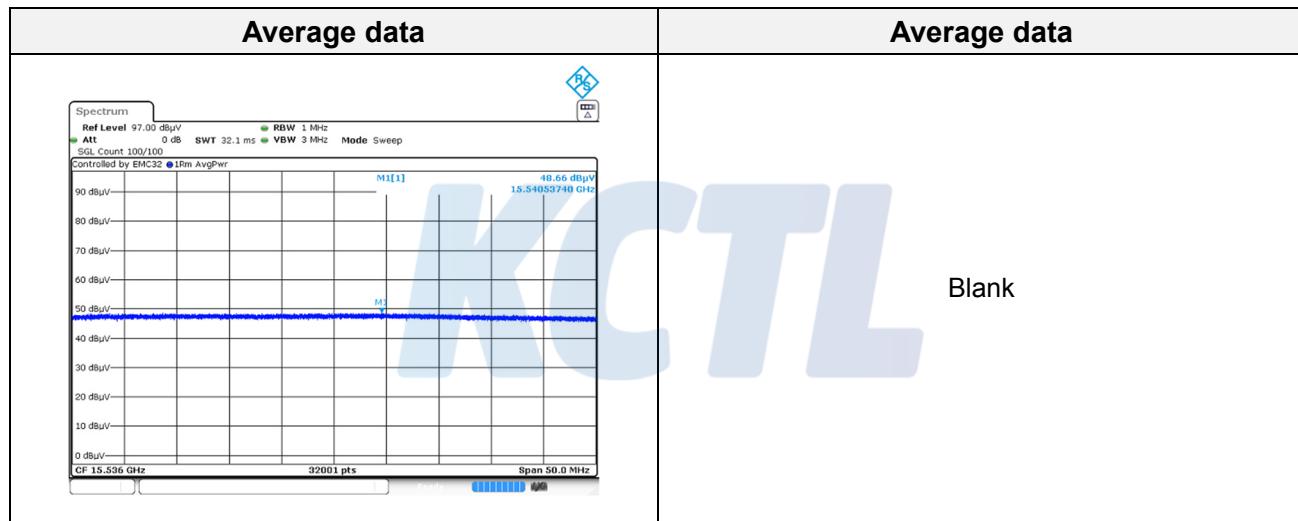
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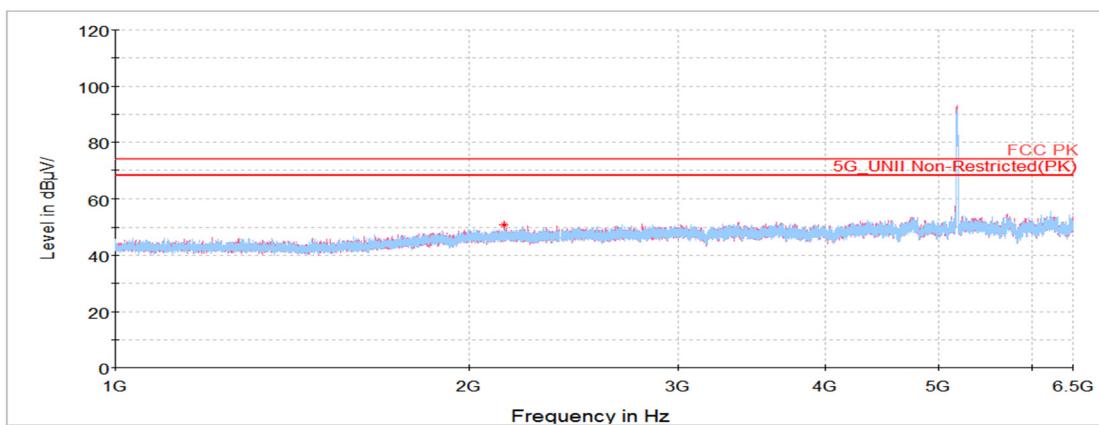
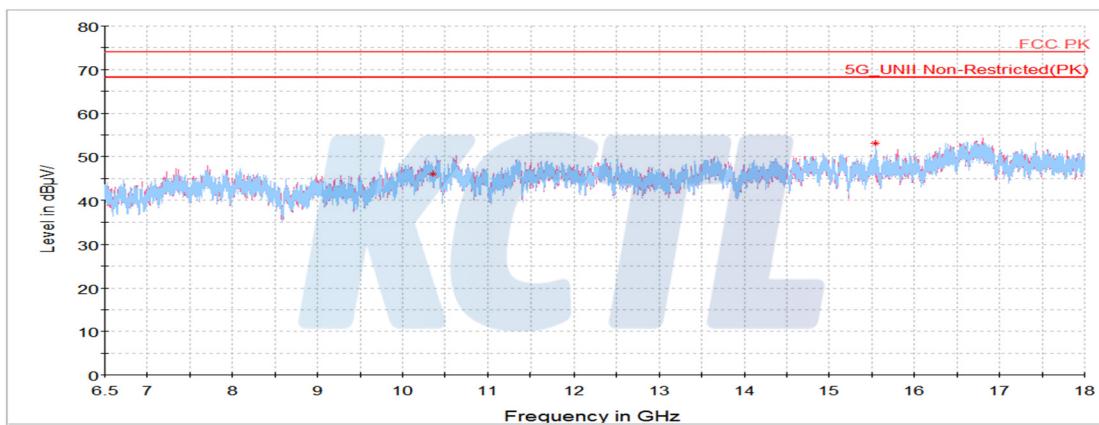
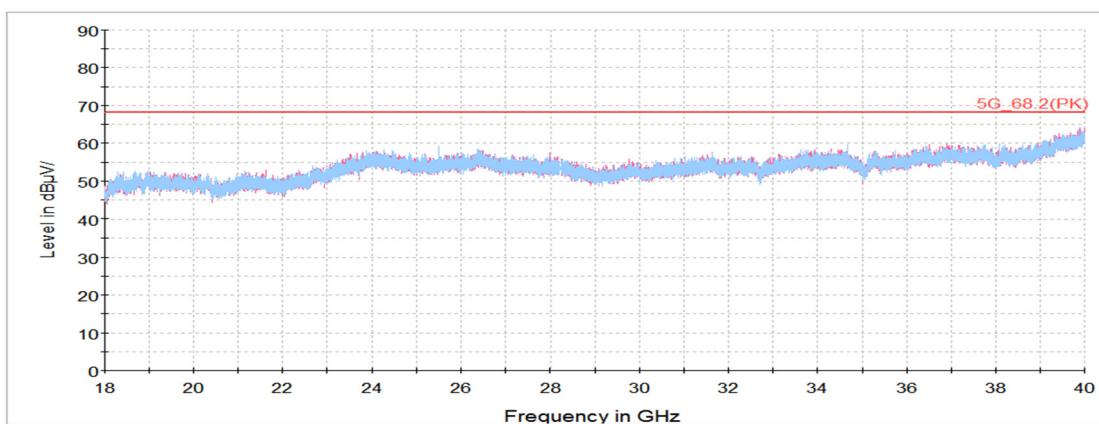
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KCTL**Horizontal/Vertical for 1 GHz ~ 6.5 GHz****Horizontal/Vertical for 6.5 GHz ~ 18 GHz****Horizontal/Vertical for 18 GHz ~ 40 GHz**

802.11n HT20 UNII-1**Lowest Channel (5 180 MHz)**

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCCF	Result	Limit	Margin
(MHz)	(V/H)	(dB(μ V))	(dB)	(dB)	(dB)	(dB(μ V/m))	(dB(μ V/m))	(dB)
Peak data								
2 142.28	V	67.97	31.81	-49.03	-	50.75	68.20	17.45
5 042.16 ¹⁾	V	42.39	33.95	-26.66	-	49.68	74.00	24.32
10 360.41	V	57.52	37.32	-48.87	-	45.97	68.20	22.23
15 540.54 ¹⁾	H	60.99	40.02	-48.02	-	52.99	74.00	21.01
Average Data								
15 540.54 ¹⁾	H	48.66	40.02	-48.02	0.21	40.87	54.00	13.13



Horizontal/Vertical for 1 GHz ~ 6.5 GHz**Horizontal/Vertical for 6.5 GHz ~ 18 GHz****Horizontal/Vertical for 18 GHz ~ 40 GHz**

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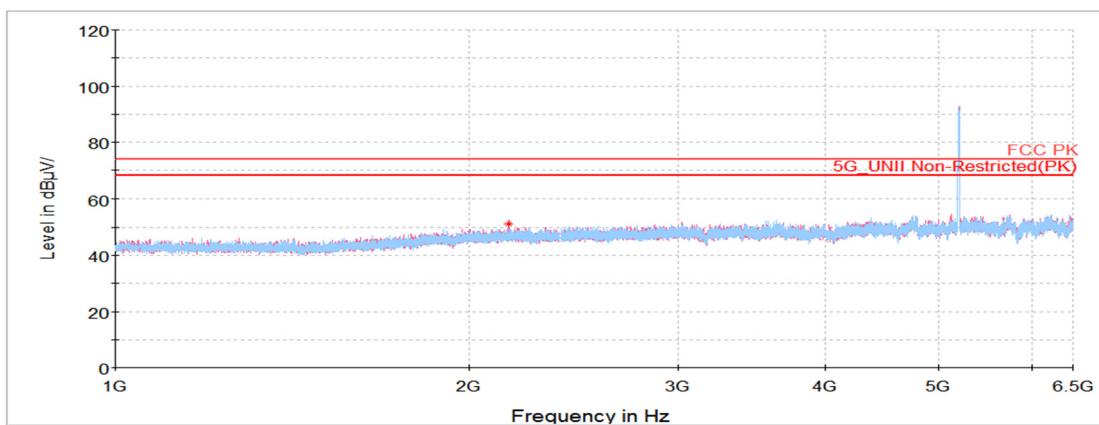
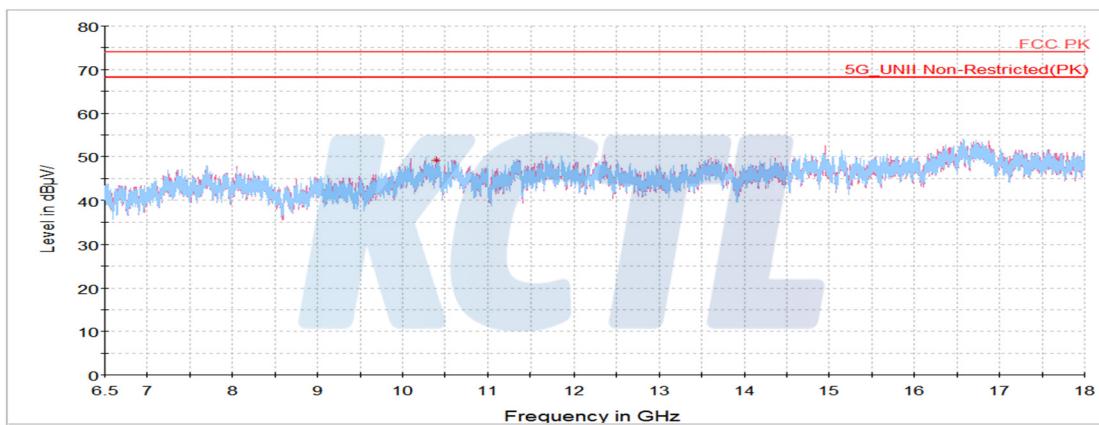
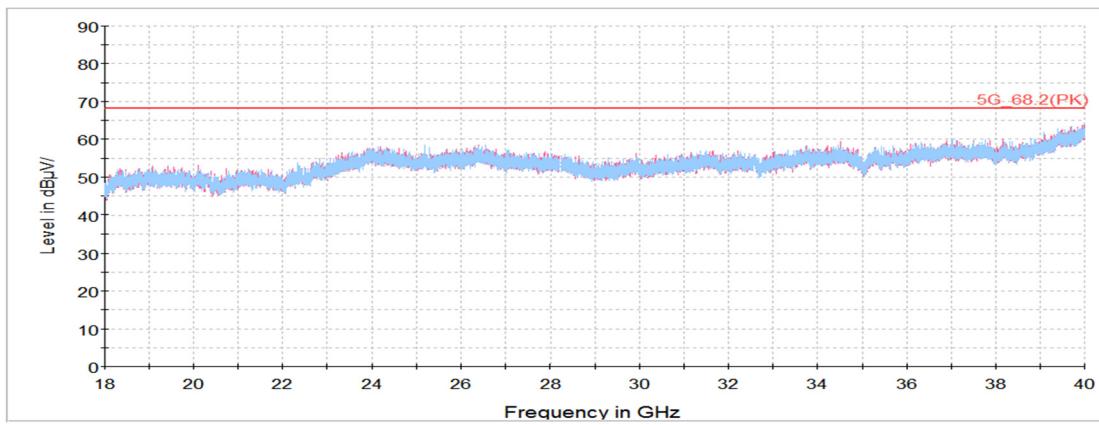
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**Middle Channel (5 200 MHz)**

Frequency (MHz)	Pol.	Reading (dB(μV))	Ant. Factor (dB)	Amp.+Cable (dB)	DCCF	Result (dB(μV/m))	Limit (dB(μV/m))	Margin (dB)
Peak data								
2 159.64	V	68.42	31.83	-48.99	-	51.26	68.20	16.94
10 392.75	H	60.54	37.34	-48.69	-	49.19	68.20	19.01
Average Data								
No spurious emissions were detected within 20 dB of the limit								

Horizontal/Vertical for 1 GHz ~ 6.5 GHz**Horizontal/Vertical for 6.5 GHz ~ 18 GHz****Horizontal/Vertical for 18 GHz ~ 40 GHz**

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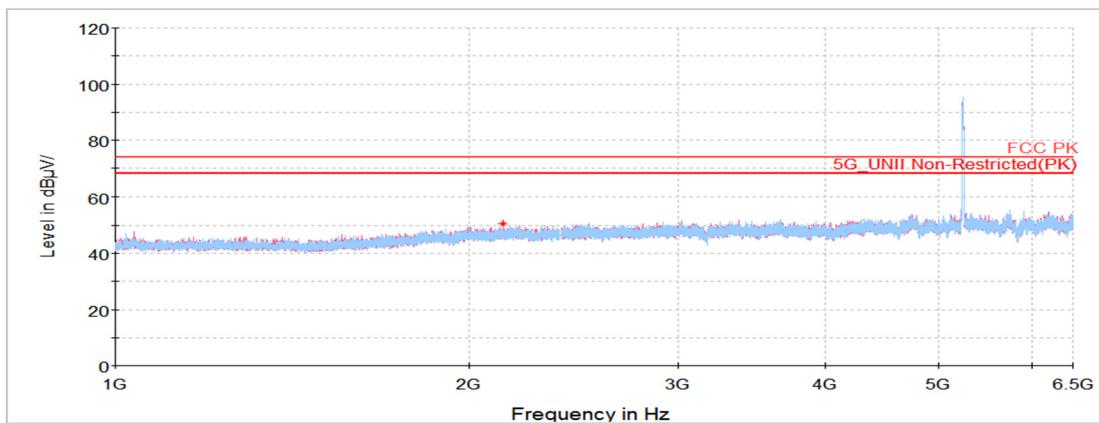
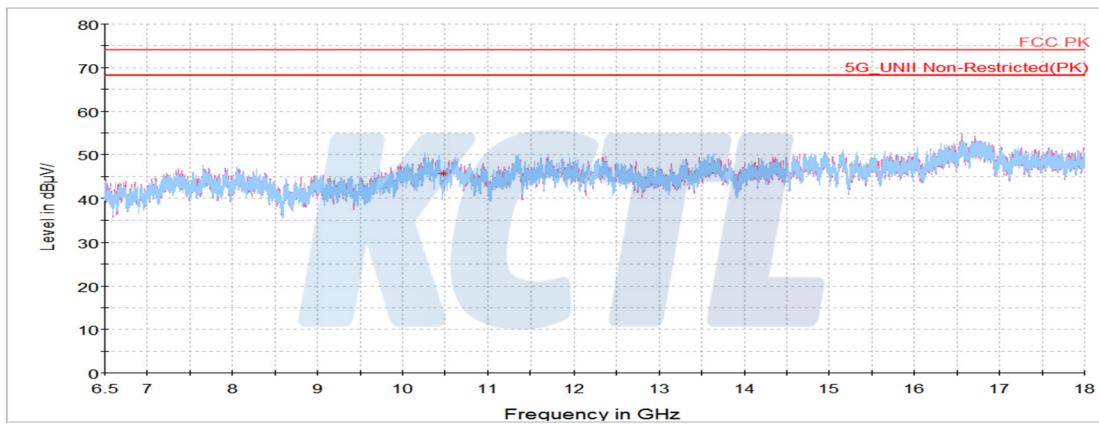
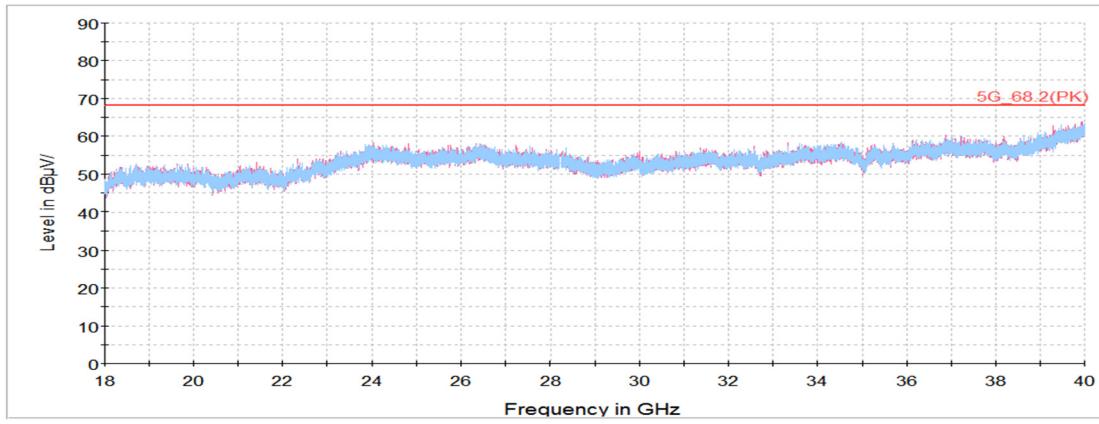
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**Highest Channel (5 240 MHz)**

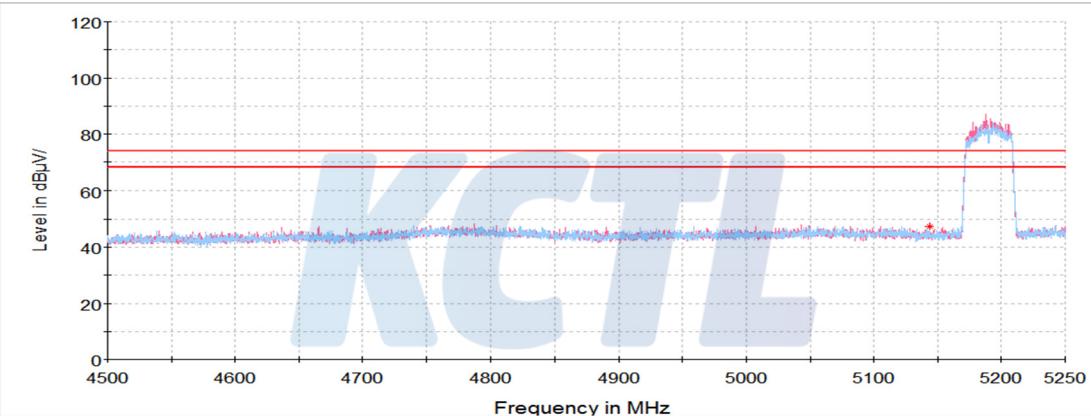
Frequency (MHz)	Pol.	Reading (dB(µV))	Ant. Factor (dB)	Amp.+Cable (dB)	DCCF	Result (dB(µV/m))	Limit (dB(µV/m))	Margin (dB)
Peak data								
2 136.09	H	67.93	31.81	-49.04	-	50.70	68.20	17.50
10 479.36	V	56.39	37.39	-48.19	-	45.59	68.20	22.61
Average Data								
No spurious emissions were detected within 20 dB of the limit.								

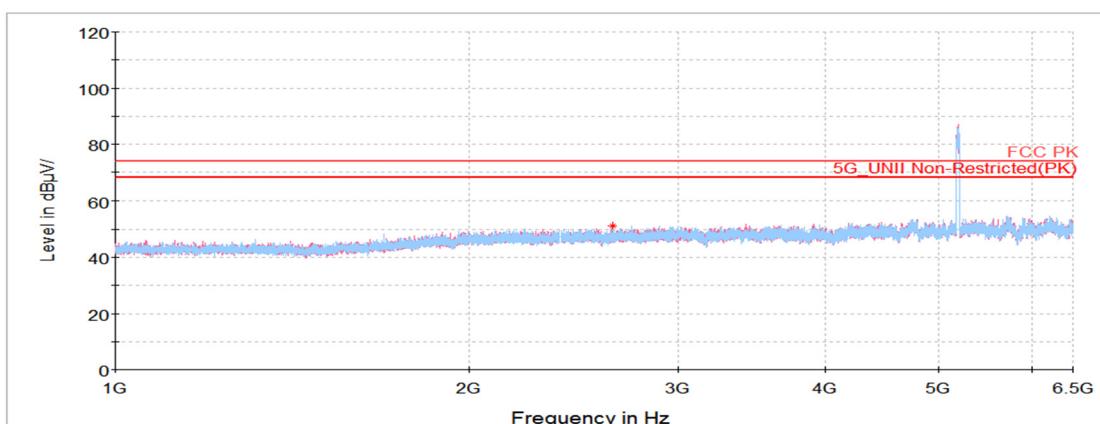
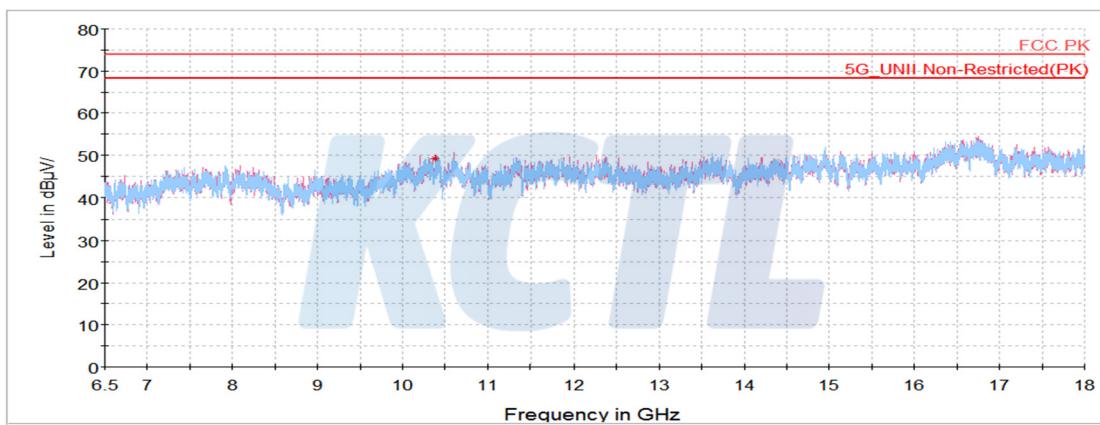
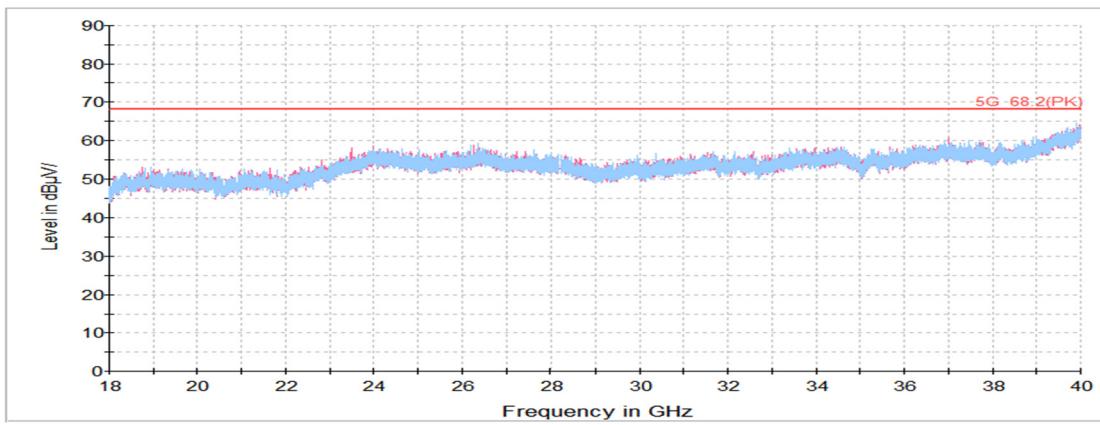


Horizontal/Vertical for 1 GHz ~ 6.5 GHz**Horizontal/Vertical for 6.5 GHz ~ 18 GHz****Horizontal/Vertical for 18 GHz ~ 40 GHz**

802.11n HT40 UNII-1**Lowest Channel (5 190 MHz)**

Frequency (MHz)	Pol. (V/H)	Reading (dB(μ V))	Ant. Factor (dB)	Amp.+Cable (dB)	DCCF (dB)	Result (dB(μ V/m))	Limit (dB(μ V/m))	Margin (dB)
Peak data								
2 641.92	H	67.12	32.33	-48.28	-	51.17	68.20	17.03
5 143.39 ¹⁾	H	40.24	34.07	-27.08	-	47.23	74.00	26.77
10 380.17	V	60.74	37.33	-48.76	-	49.31	68.20	18.89
Average Data								
No spurious emissions were detected within 20 dB of the limit.								

Horizontal/Vertical for Band-edge

Horizontal/Vertical for 1 GHz ~ 6.5 GHz**Horizontal/Vertical for 6.5 GHz ~ 18 GHz****Horizontal/Vertical for 18 GHz ~ 40 GHz**

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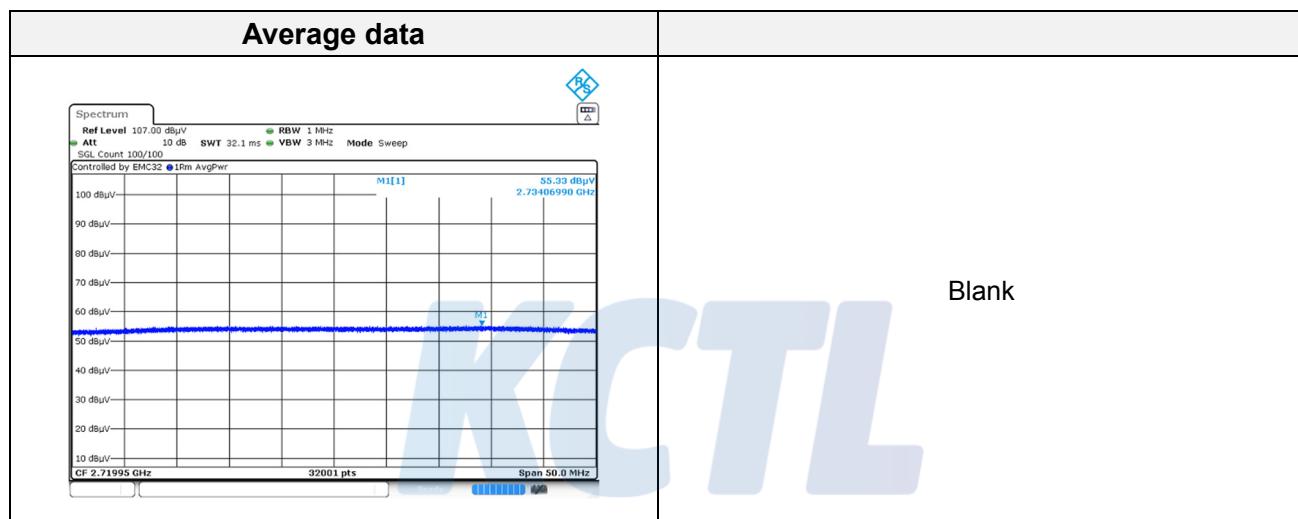
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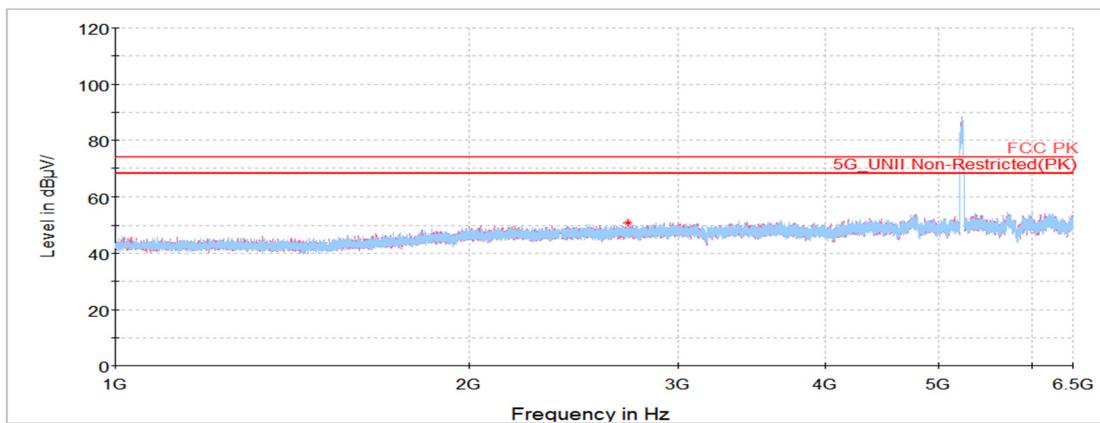
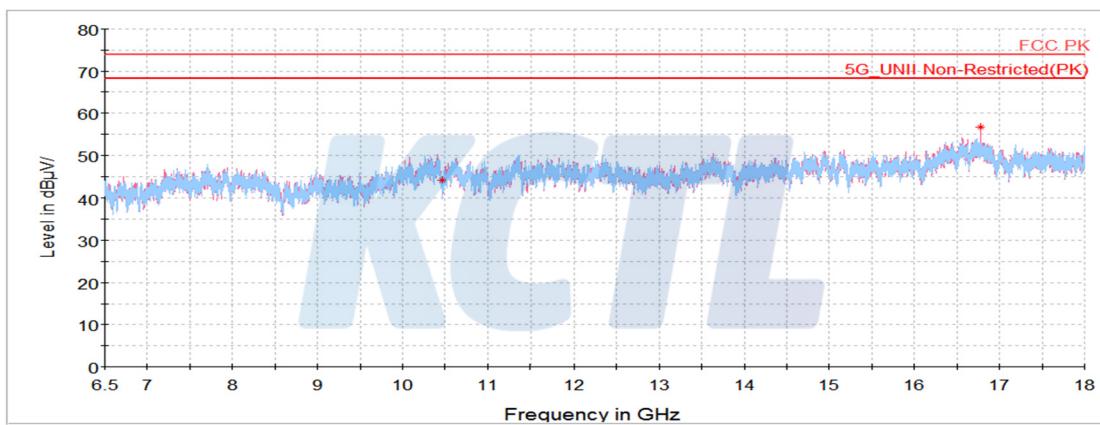
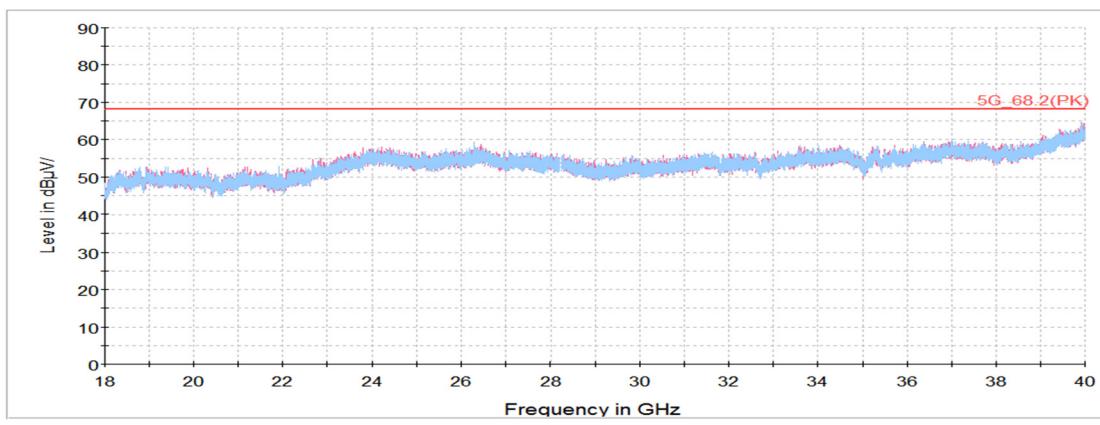
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Highest Channel (5 230 MHz)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCCF	Result	Limit	Margin
(MHz)	(V/H)	(dB(μ V))	(dB)	(dB)	(dB)	(dB(μ V/m))	(dB(μ V/m))	(dB)
Peak data								
2 734.07 ¹⁾	V	66.73	32.29	-48.08	-	50.94	74.00	23.06
10 459.59	H	54.94	37.38	-48.31	-	44.01	68.20	24.19
16 783.16	V	60.45	41.90	-45.75	-	56.60	68.20	11.60
Average Data								
2 734.07 ¹⁾	V	55.33	32.29	-48.08	0.44	39.98	54.00	14.02



Horizontal/Vertical for 1 GHz ~ 6.5 GHz**Horizontal/Vertical for 6.5 GHz ~ 18 GHz****Horizontal/Vertical for 18 GHz ~ 40 GHz**

802.11ac VHT20 UNII-1**Lowest Channel (5 180 MHz)**

Frequency (MHz)	Pol. (V/H)	Reading (dB(μ V))	Ant. Factor (dB)	Amp.+Cable (dB)	DCCF (dB)	Result (dB(μ V/m))	Limit (dB(μ V/m))	Margin (dB)
Peak data								
3 120.94	V	66.17	32.83	-47.70	-	51.30	68.20	16.90
5 076.19 ¹⁾	V	40.73	33.99	-26.74	-	47.98	74.00	26.02
10 358.61	V	59.24	37.32	-48.88	-	47.68	68.20	20.52
Average Data								
No spurious emissions were detected within 20 dB of the limit.								

Horizontal/Vertical for Band-edge