

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.:
KR20-SRF0016-A

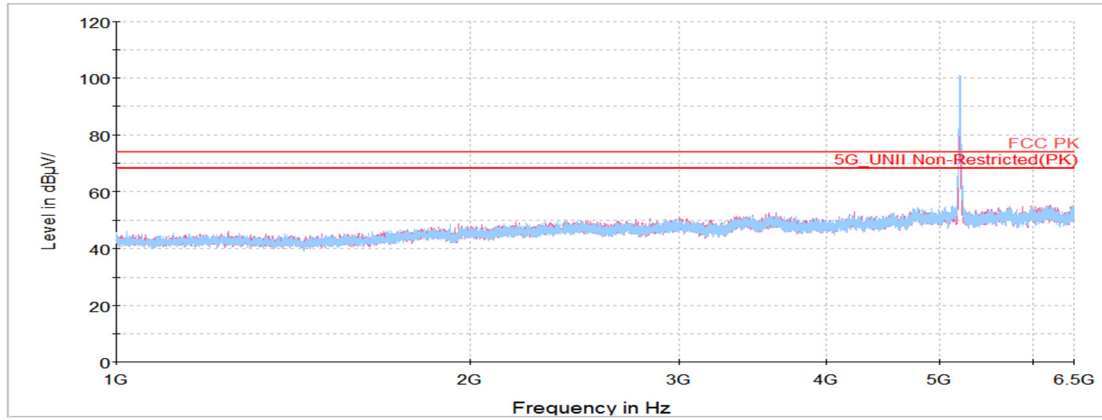
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**Middle Channel (5 200 MHz)**

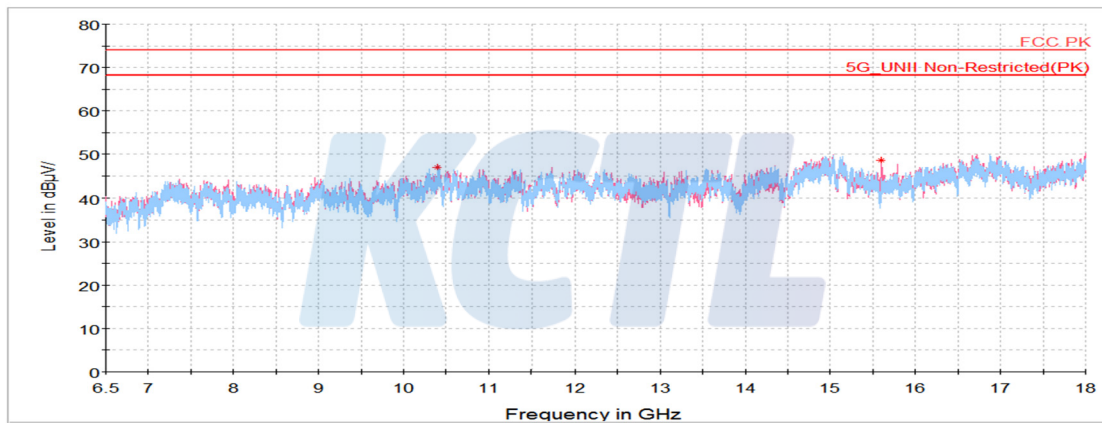
Frequency (MHz)	Reading (dB(μ V))	Pol. (V/H)	Ant. Factor (dB)	Amp.+Cable (dB)	DCCF (dB)	Result (dB(μ V/m))	Limit (dB(μ V/m))	Margin (dB)
Peak data								
10 403.17	59.83	V	37.30	-50.09	-	47.04	68.20	21.16
15 600.09 ¹⁾	57.11	V	40.02	-48.60	-	48.53	74.00	25.47
Average Data								
No spurious emissions were detected within 20 dB of the limit								



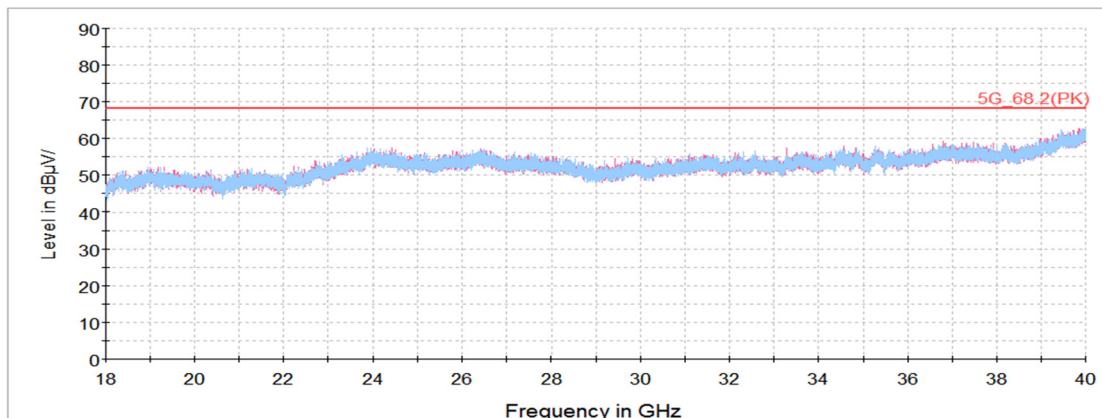
Horizontal/Vertical for 1 GHz ~ 6.5 GHz



Horizontal/Vertical for 6.5 GHz ~ 18 GHz



Horizontal/Vertical for 18 GHz ~ 40 GHz



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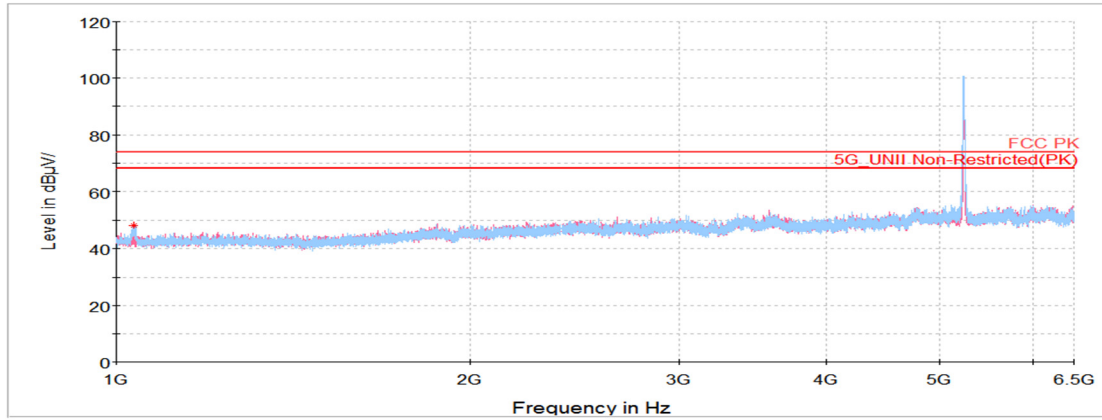
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KCTL**Highest Channel (5 240 MHz)**

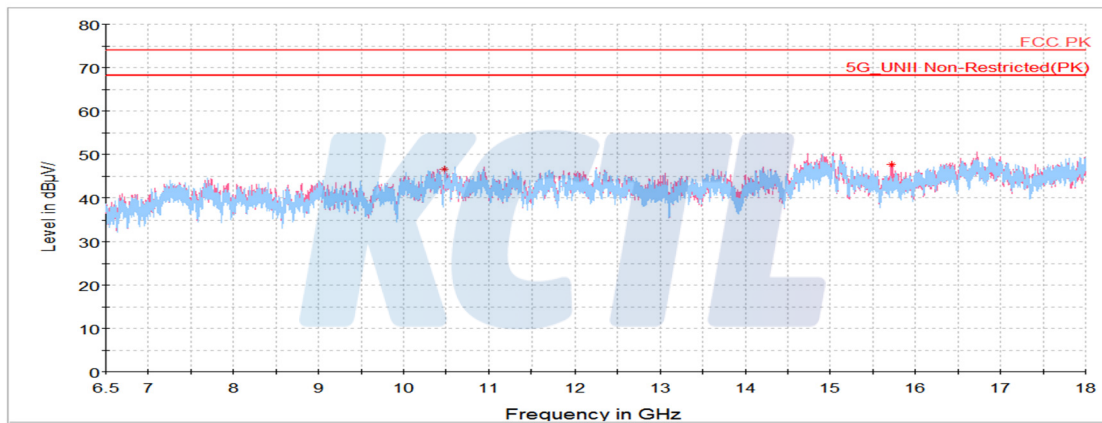
Frequency (MHz)	Reading (dB(μ V))	Pol. (V/H)	Ant. Factor (dB)	Amp.+Cable (dB)	DCCF (dB)	Result (dB(μ V/m))	Limit (dB(μ V/m))	Margin (dB)
Peak data								
1 034.89 ¹⁾	71.05	H	27.81	-50.60	-	48.26	74.00	25.74
10 480.44	49.06	V	37.38	-39.91	-	46.53	68.20	21.67
15 719.41 ¹⁾	46.34	V	40.04	-38.79	-	47.59	74.00	26.41
Average Data								
No spurious emissions were detected within 20 dB of the limit								

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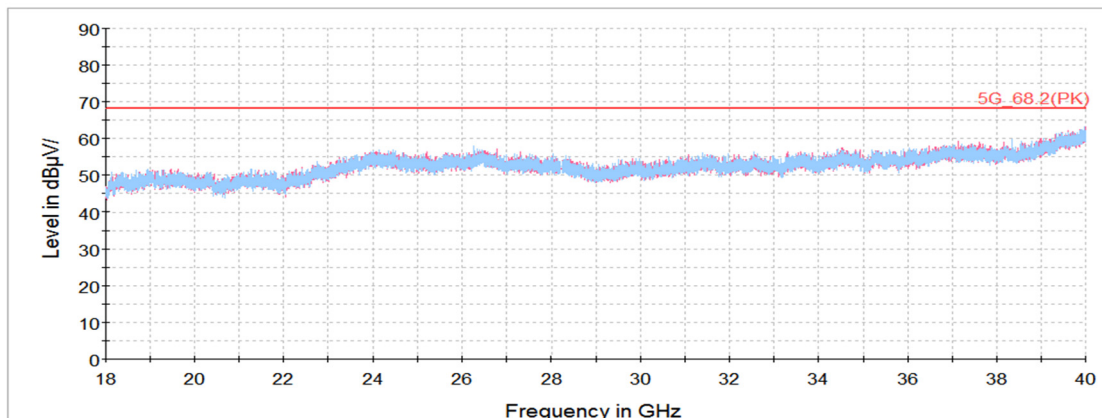
Horizontal/Vertical for 1 GHz ~ 6.5 GHz



Horizontal/Vertical for 6.5 GHz ~ 18 GHz



Horizontal/Vertical for 18 GHz ~ 40 GHz



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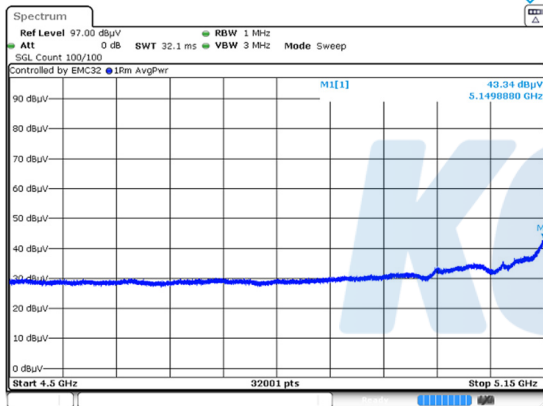


802.11n HT20 UNII-1

Lowest Channel (5 180 MHz)

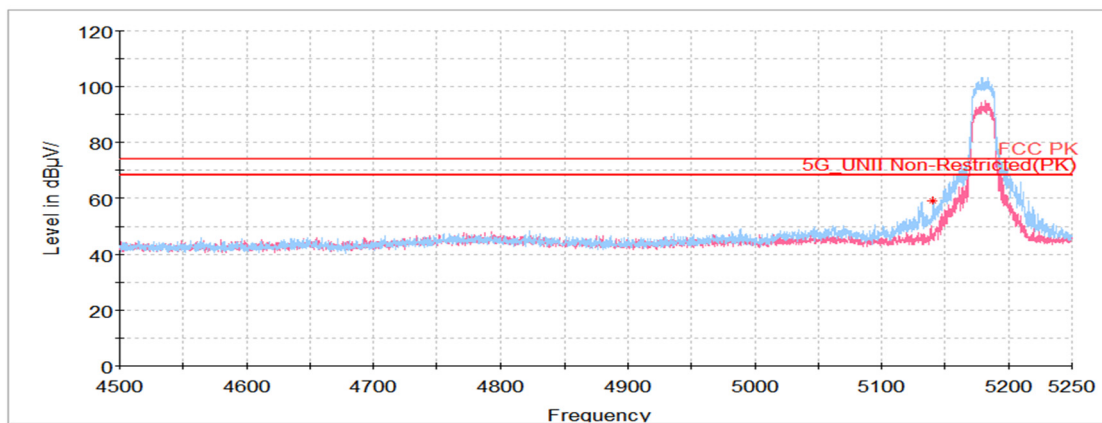
Frequency	Reading	Pol.	Ant. Factor	Amp.+Cable	DCCF	Result	Limit	Margin
(MHz)	(dB(μ V))	(V/H)	(dB)	(dB)	(dB)	(dB(μ V/m))	(dB(μ V/m))	(dB)
Peak data								
5 149.95 ¹⁾	51.97	H	34.24	-27.12	-	59.09	74.00	14.91
10 357.89	59.96	V	37.26	-50.29	-	46.93	68.20	21.27
15 535.05 ¹⁾	58.34	V	40.01	-48.56	-	49.79	74.00	24.21
Average Data								
5 149.95 ¹⁾	43.34	H	34.24	-27.12	-	50.46	54.00	3.54

Average data

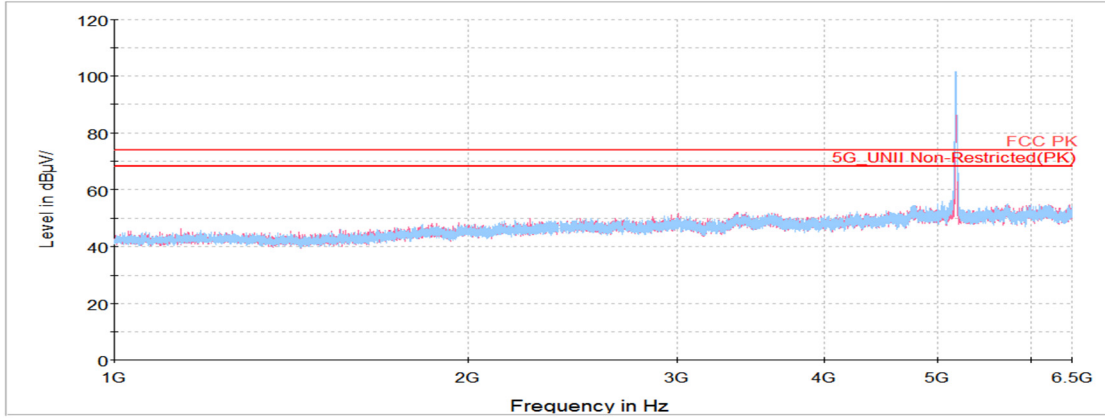


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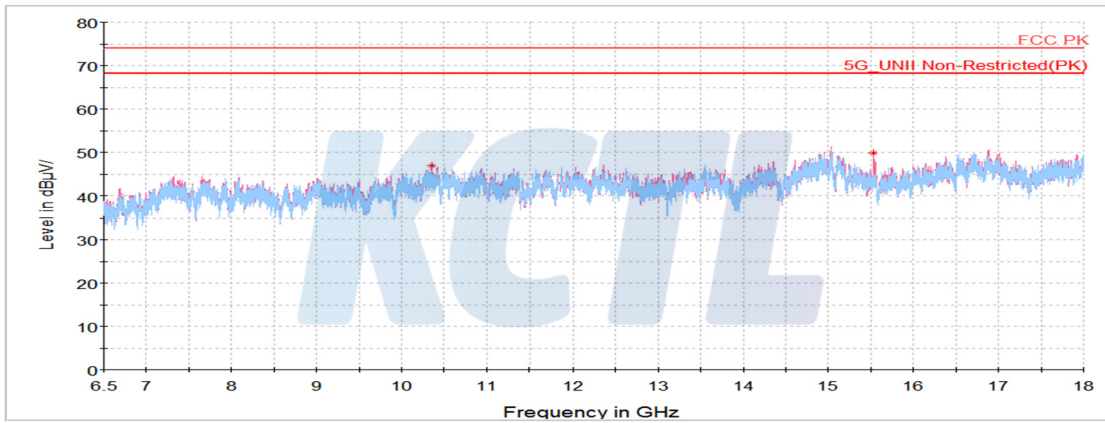
Horizontal/Vertical for Band-edge



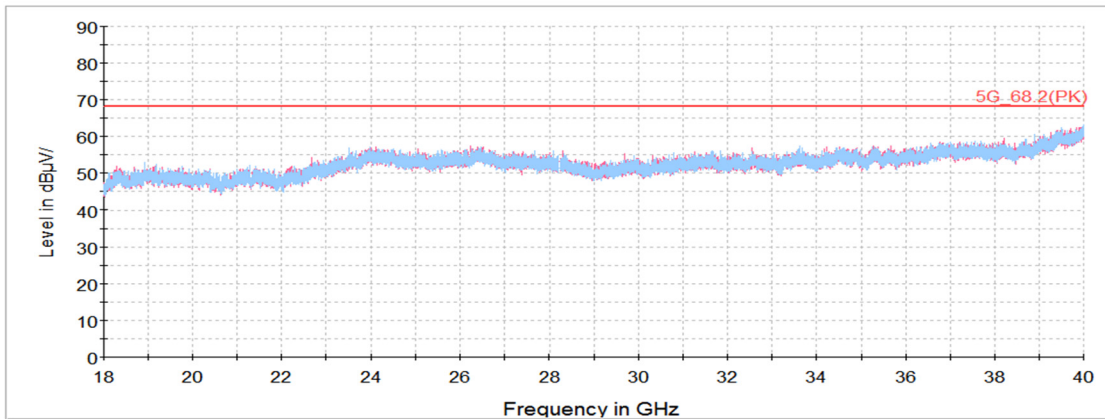
Horizontal/Vertical for 1 GHz ~ 6.5 GHz



Horizontal/Vertical for 6.5 GHz ~ 18 GHz



Horizontal/Vertical for 18 GHz ~ 40 GHz



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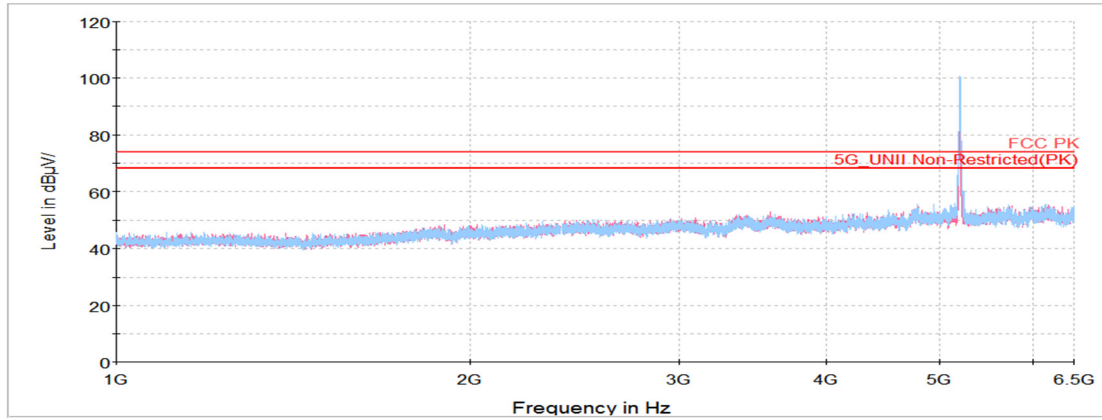
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KCTL**Middle Channel (5 200 MHz)**

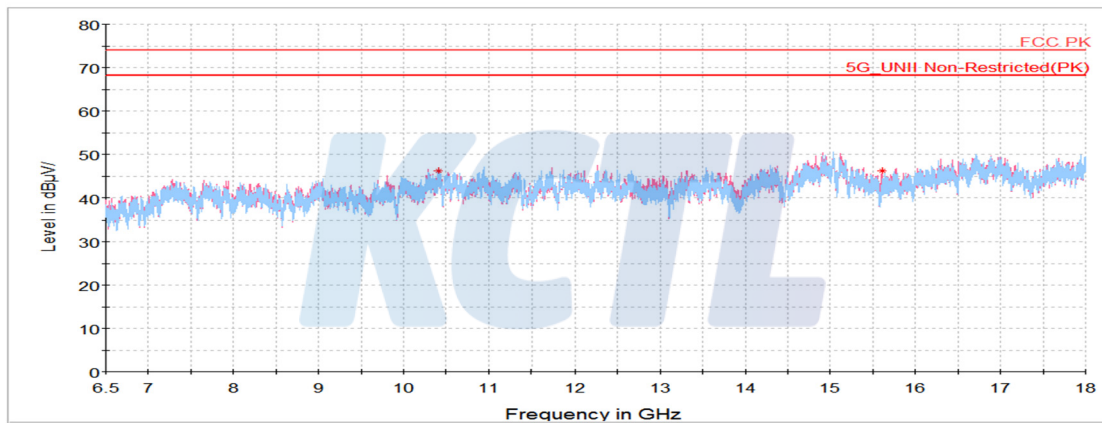
Frequency (MHz)	Reading (dB(μ V))	Pol. (V/H)	Ant. Factor (dB)	Amp.+Cable (dB)	DCCF (dB)	Result (dB(μ V/m))	Limit (dB(μ V/m))	Margin (dB)
Peak data								
10 405.33	58.87	V	37.31	-50.08	-	46.10	68.20	22.10
15 606.20 ¹⁾	54.74	V	40.02	-48.60	-	46.16	74.00	27.84
Average Data								
No spurious emissions were detected within 20 dB of the limit								

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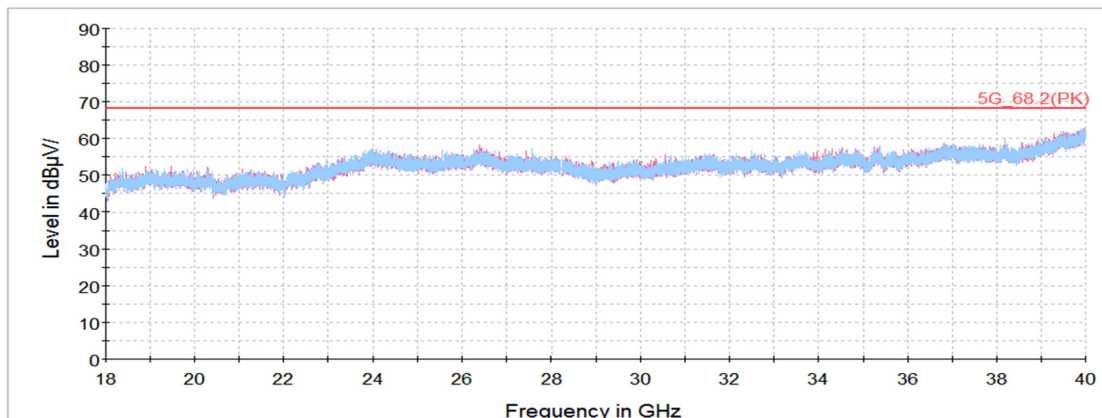
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Horizontal/Vertical for 6.5 GHz ~ 18 GHz



Horizontal/Vertical for 18 GHz ~ 40 GHz



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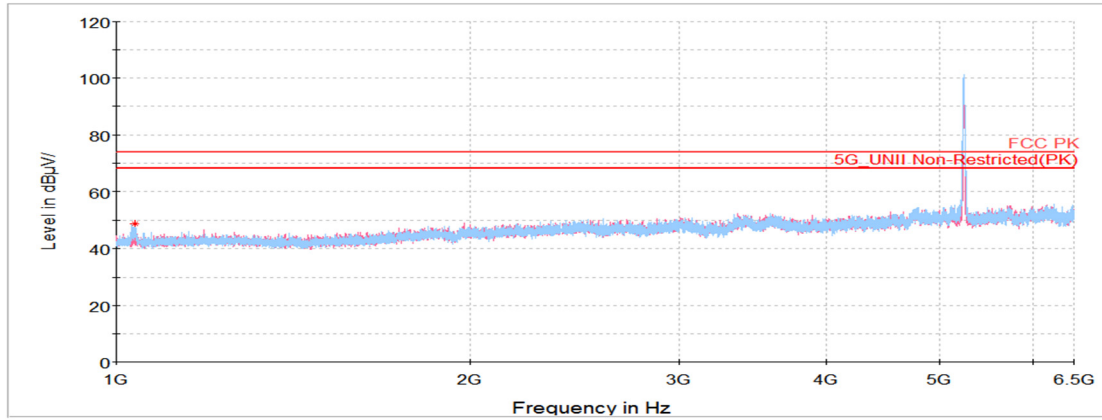
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**Highest Channel (5 240 MHz)**

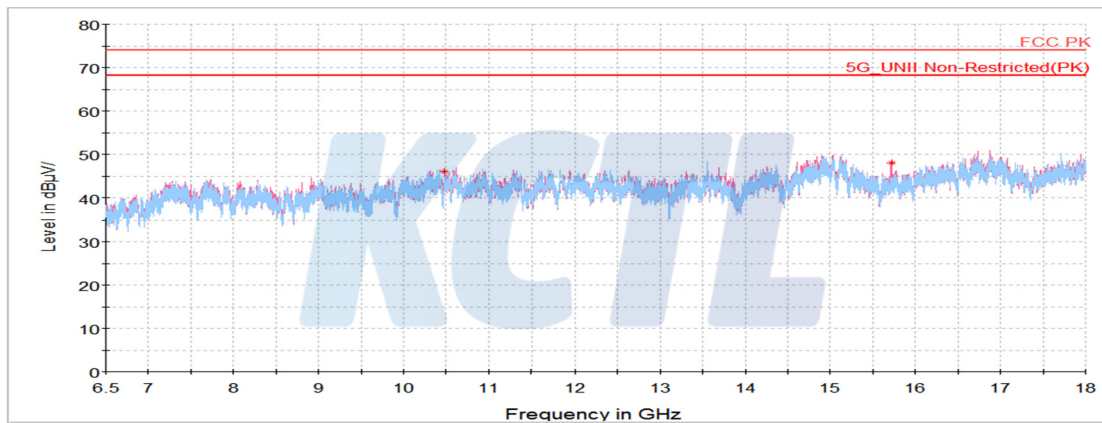
Frequency (MHz)	Reading (dB(μ V))	Pol. (V/H)	Ant. Factor (dB)	Amp.+Cable (dB)	DCCF (dB)	Result (dB(μ V/m))	Limit (dB(μ V/m))	Margin (dB)
Peak data								
1 036.78 ¹⁾	71.54	H	27.81	-50.60	-	48.75	74.00	25.25
10 481.88	58.36	V	37.38	-49.73	-	46.01	68.20	22.19
15 725.16 ¹⁾	56.59	V	40.05	-48.67	-	47.97	74.00	26.03
Average Data								
No spurious emissions were detected within 20 dB of the limit								



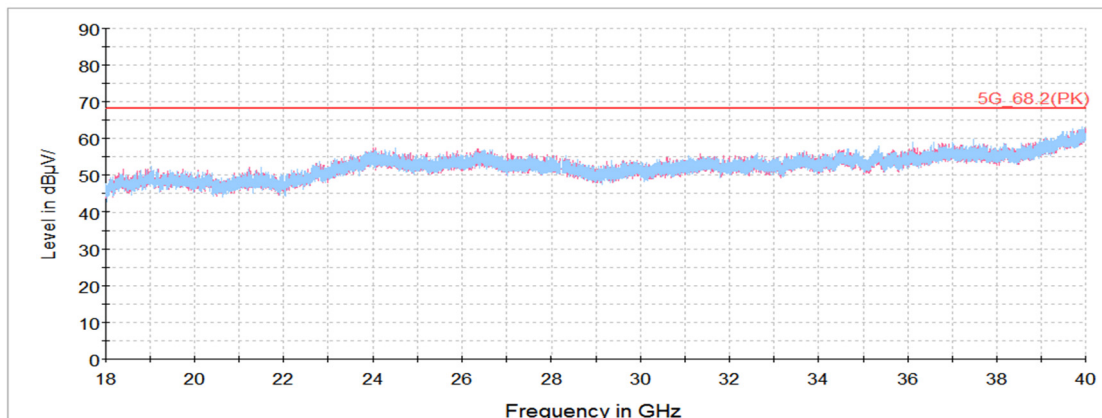
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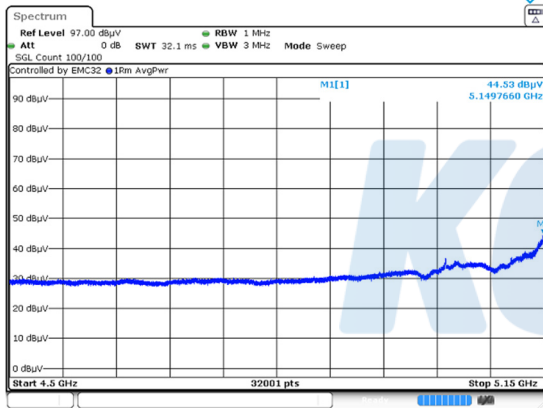


802.11n HT40 UNII-1

Lowest Channel (5 190 MHz)

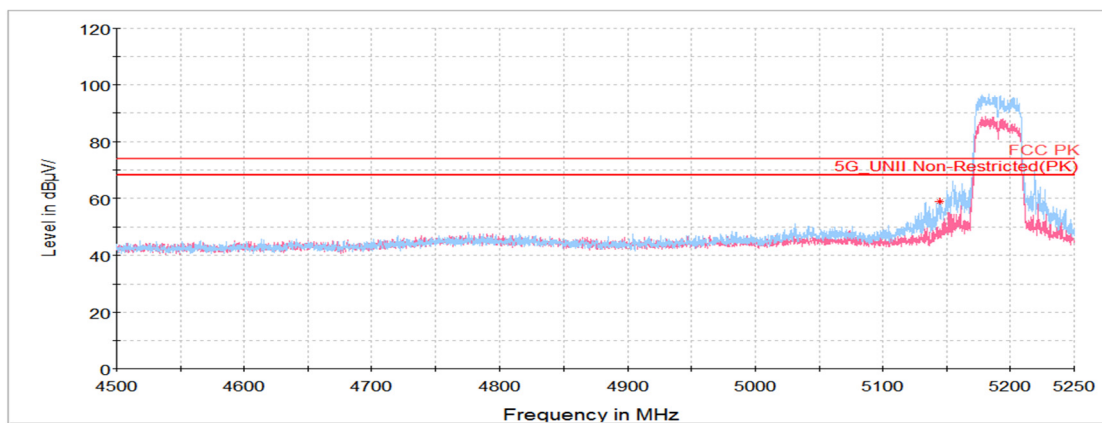
Frequency	Reading	Pol.	Ant. Factor	Amp.+Cable	DCCF	Result	Limit	Margin
(MHz)	(dB(μV))	(V/H)	(dB)	(dB)	(dB)	(dB(μV/m))	(dB(μV/m))	(dB)
Peak data								
5 149.77 ¹⁾	51.73	H	34.24	-27.12	-	58.85	74.00	15.15
10 381.97	57.14	V	37.28	-50.19	-	44.23	68.20	23.97
15 569.91 ¹⁾	51.56	V	40.01	-48.58	-	42.99	74.00	31.01
Average Data								
5 149.77 ¹⁾	44.53	H	34.24	-27.12	0.10	51.75	54.00	2.25

Average data

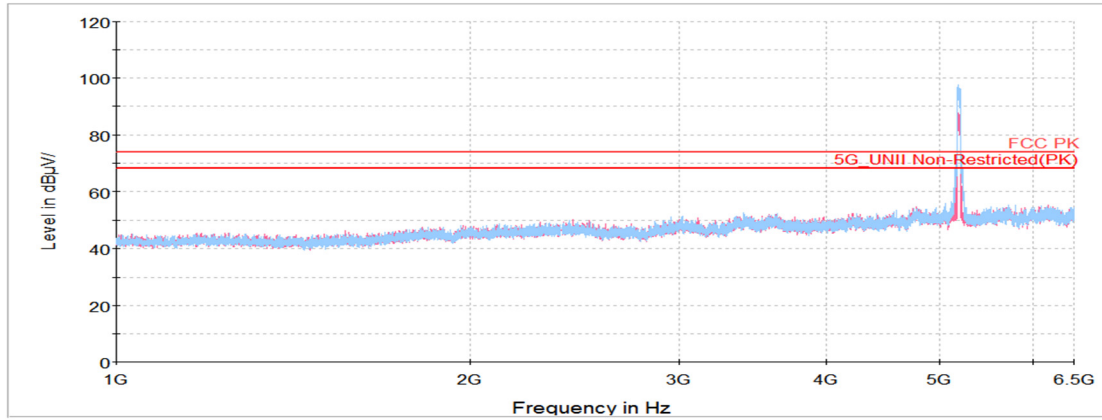


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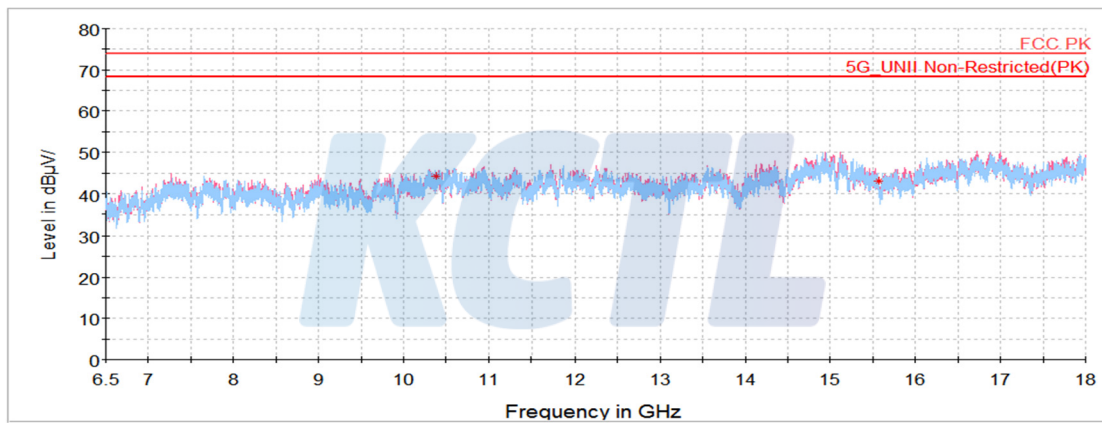
Horizontal/Vertical for Band-edge



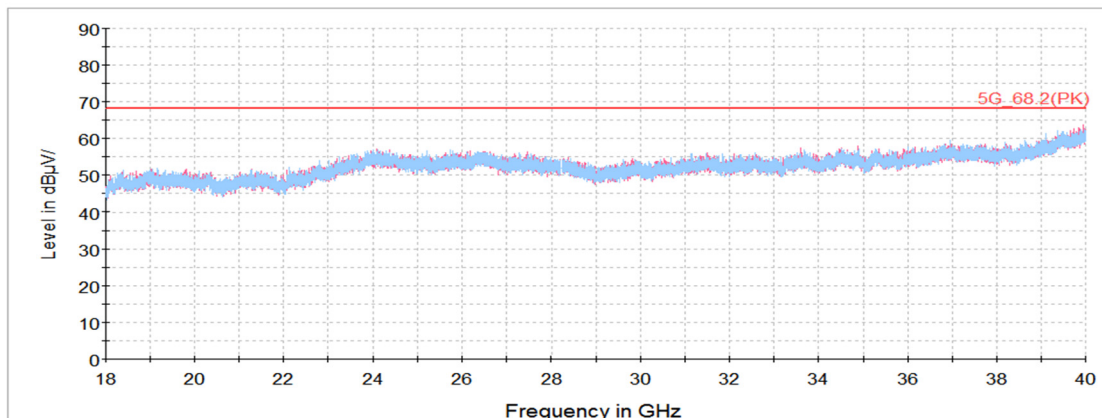
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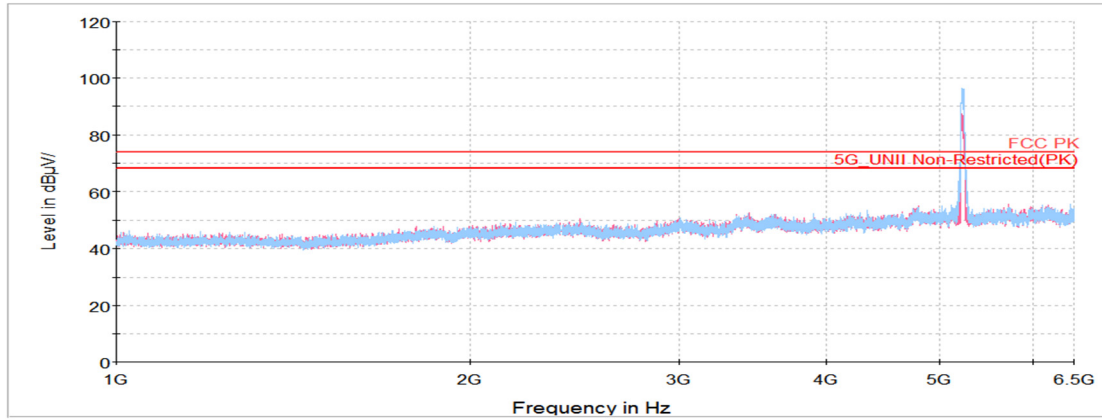
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KCTL**Highest Channel (5 230 MHz)**

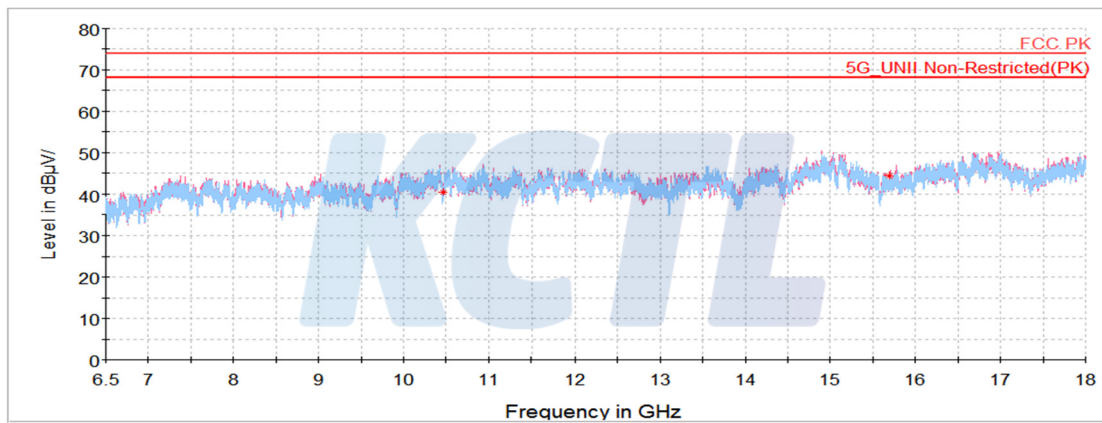
Frequency	Reading	Pol.	Ant. Factor	Amp.+Cable	DCCF	Result	Limit	Margin
(MHz)	(dB(μ V))	(V/H)	(dB)	(dB)	(dB)	(dB(μ V/m))	(dB(μ V/m))	(dB)
Peak data								
10 459.59	52.80	V	37.36	-49.83	-	40.33	68.20	27.87
15 690.30 ¹⁾	52.85	V	40.04	-48.65	-	44.24	74.00	29.76
Average Data								
No spurious emissions were detected within 20 dB of the limit								

KCTL

Horizontal/Vertical for 1 GHz ~ 6.5 GHz



Horizontal/Vertical for 6.5 GHz ~ 18 GHz



Horizontal/Vertical for 18 GHz ~ 40 GHz

