

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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802.11ac VHT20 UNII-1

Lowest Channel (5 180 MHz)

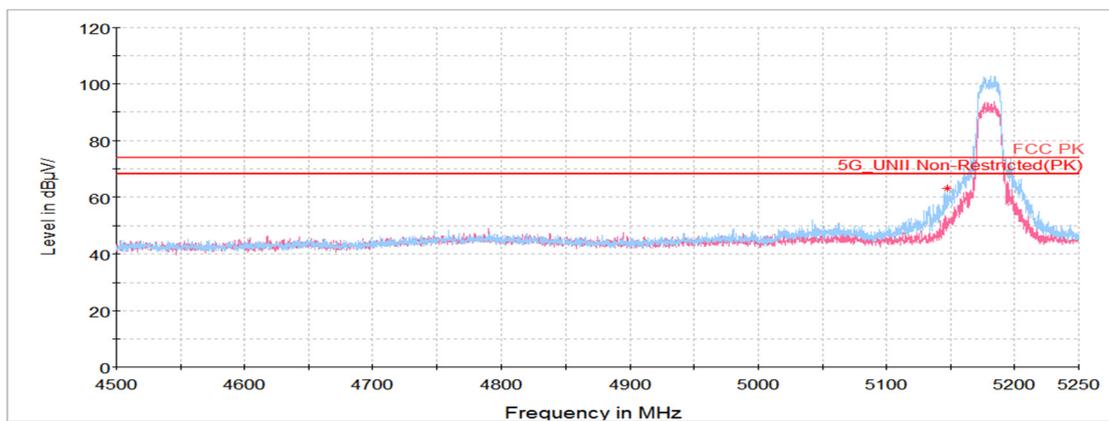
Frequency	Reading	Pol.	Ant. Factor	Amp.+Cable	DCCF	Result	Limit	Margin
(MHz)	(dB(μ V))	(V/H)	(dB)	(dB)	(dB)	(dB(μ V/m))	(dB(μ V/m))	(dB)
Peak data								
5 149.91 ¹⁾	55.93	H	34.24	-27.12	-	63.05	74.00	10.95
10 360.77	58.44	V	37.26	-50.28	-	45.42	68.20	22.78
15 544.75 ¹⁾	57.70	V	40.01	-48.57	-	49.14	74.00	24.86
Average Data								
5 149.91 ¹⁾	43.04	H	34.24	-27.12	-	50.16	54.00	3.84

Average data

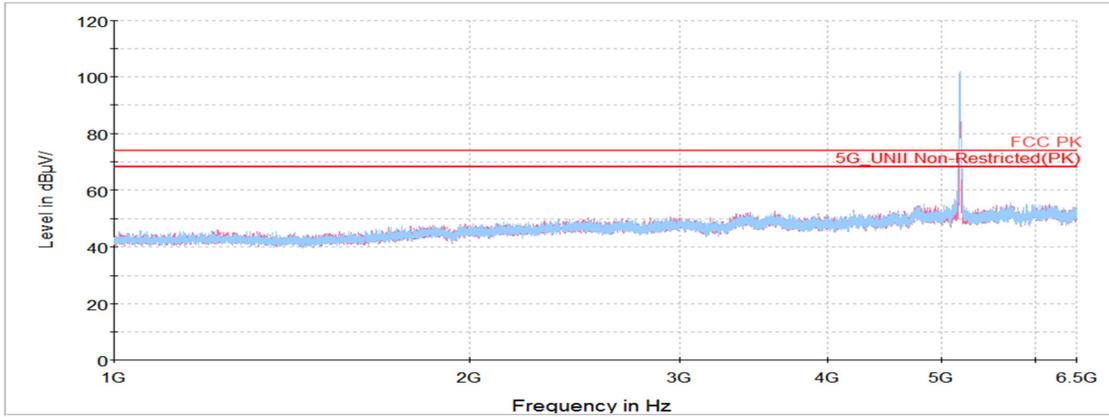


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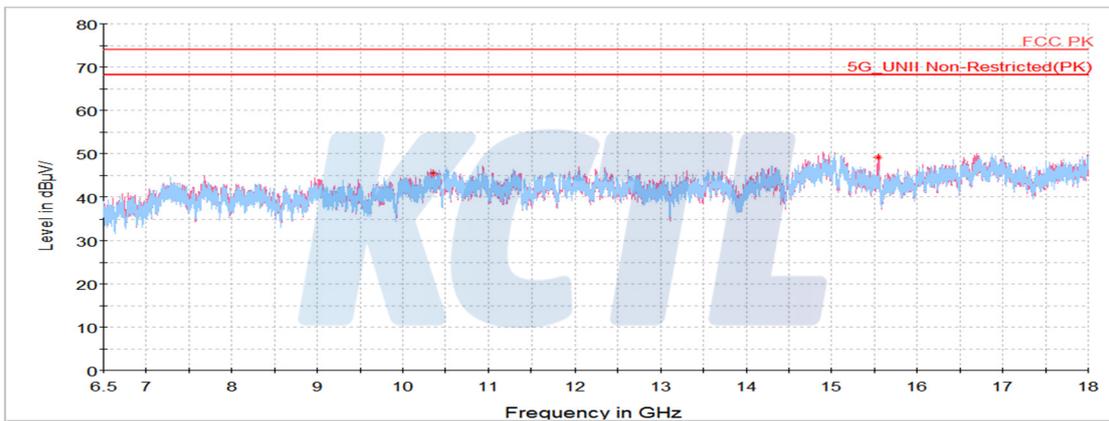
Horizontal/Vertical for Band-edge



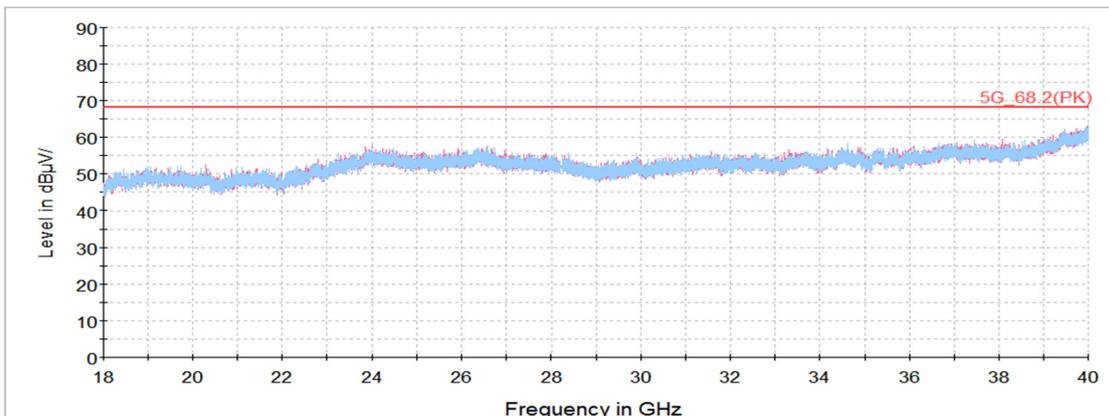
Horizontal/Vertical for 1 GHz ~ 6.5 GHz



Horizontal/Vertical for 6.5 GHz ~ 18 GHz



Horizontal/Vertical for 18 GHz ~ 40 GHz



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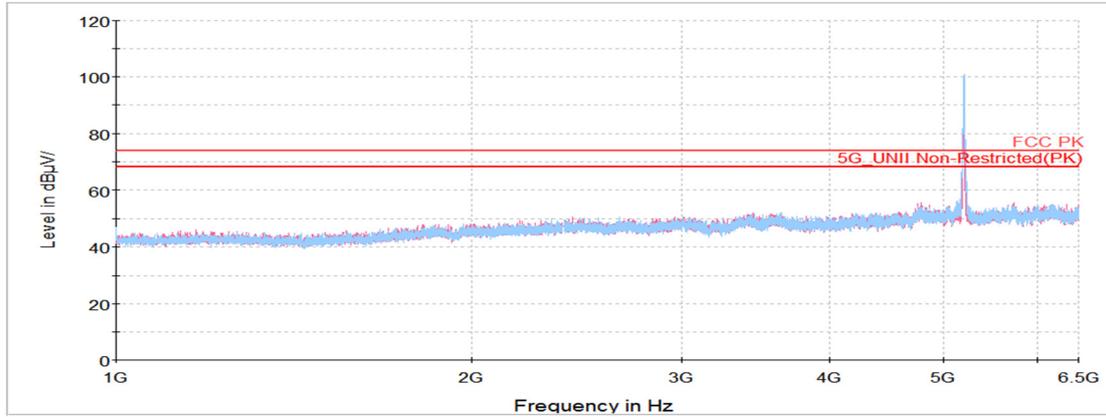
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KCTL**Middle Channel (5 200 MHz)**

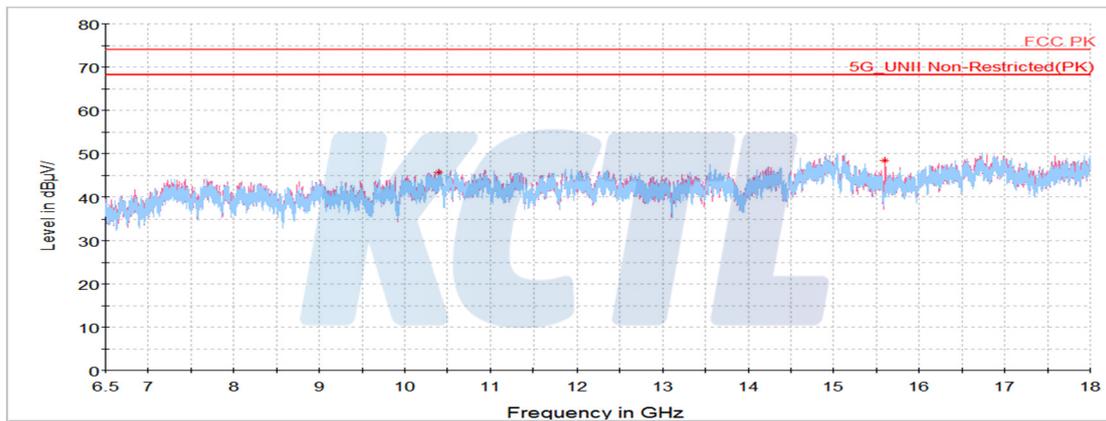
Frequency (MHz)	Reading (dB(μ V))	Pol. (V/H)	Ant. Factor (dB)	Amp.+Cable (dB)	DCCF (dB)	Result (dB(μ V/m))	Limit (dB(μ V/m))	Margin (dB)
Peak data								
10 401.73	58.48	V	37.30	-50.10	-	45.68	68.20	22.52
15 602.97 ¹⁾	57.01	V	40.02	-48.60	-	48.43	74.00	25.57
Average Data								
No spurious emissions were detected within 20 dB of the limit								

KCTL

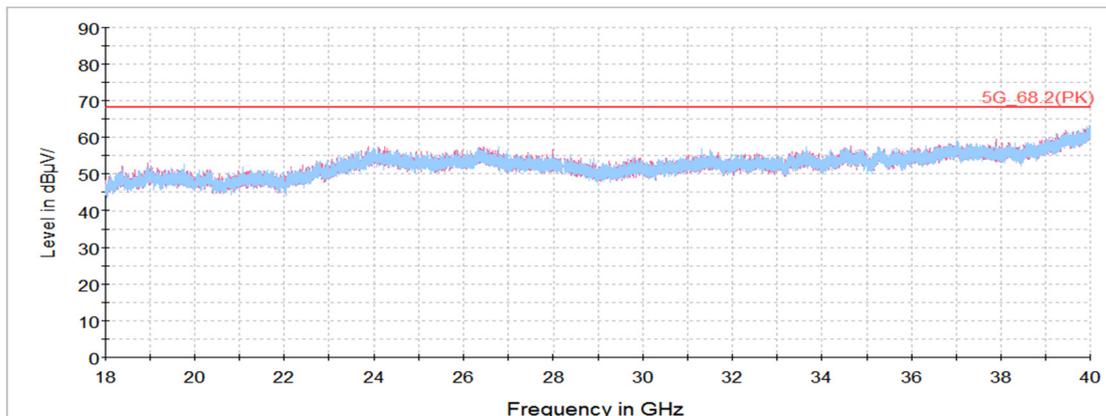
Horizontal/Vertical for 1 GHz ~ 6.5 GHz



Horizontal/Vertical for 6.5 GHz ~ 18 GHz



Horizontal/Vertical for 18 GHz ~ 40 GHz



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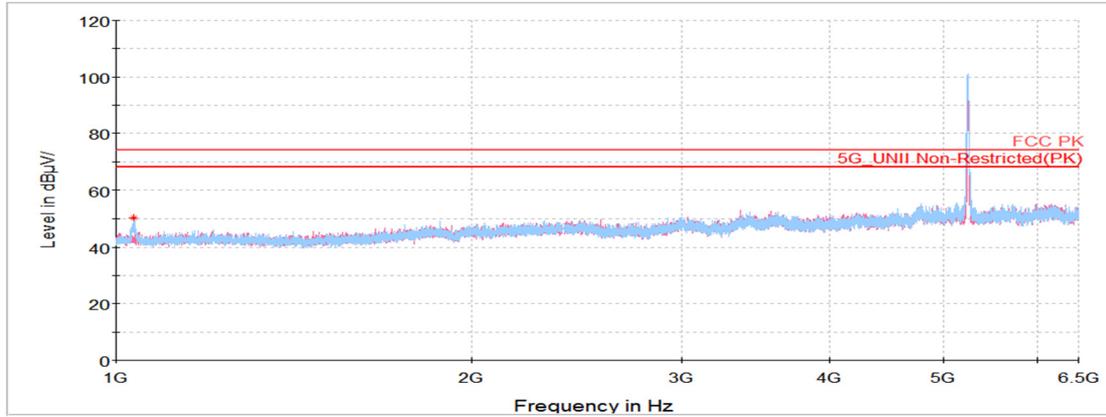
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KCTL**Highest Channel (5 240 MHz)**

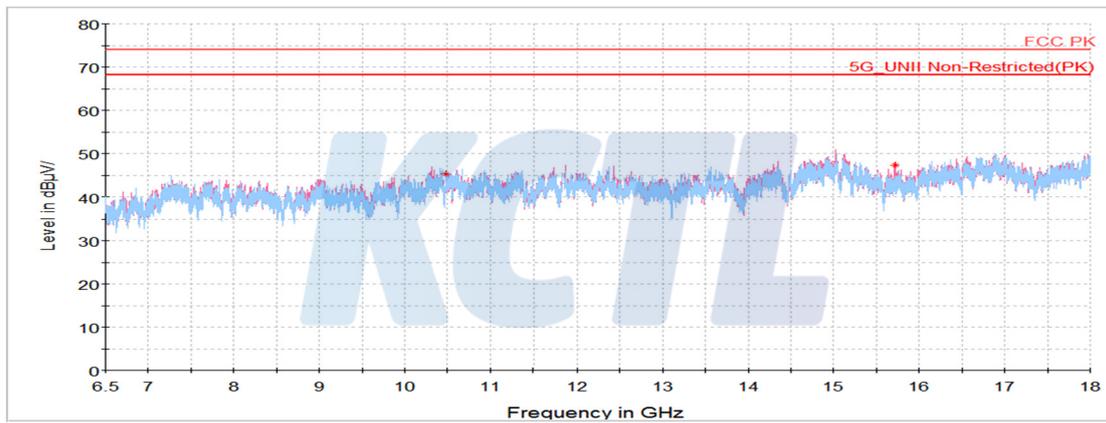
Frequency (MHz)	Reading (dB(μ V))	Pol. (V/H)	Ant. Factor (dB)	Amp.+Cable (dB)	DCCF (dB)	Result (dB(μ V/m))	Limit (dB(μ V/m))	Margin (dB)
Peak data								
10 481.88	57.64	V	37.38	-49.73	-	45.29	68.20	22.91
15 720.84 ¹⁾	55.95	V	40.04	-48.67	-	47.32	74.00	26.68
Average Data								
No spurious emissions were detected within 20 dB of the limit								

KCTL

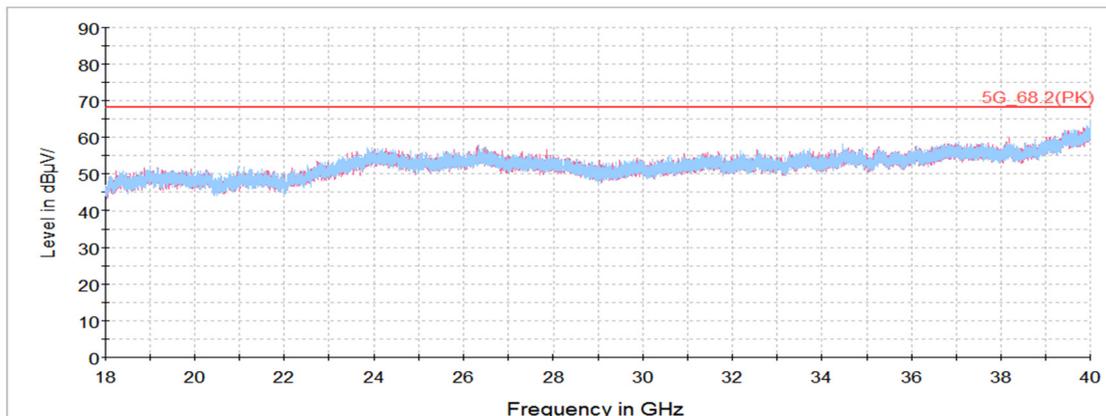
Horizontal/Vertical for 1 GHz ~ 6.5 GHz



Horizontal/Vertical for 6.5 GHz ~ 18 GHz



Horizontal/Vertical for 18 GHz ~ 40 GHz



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802.11ac VHT40 UNII-1

Lowest Channel (5 190 MHz)

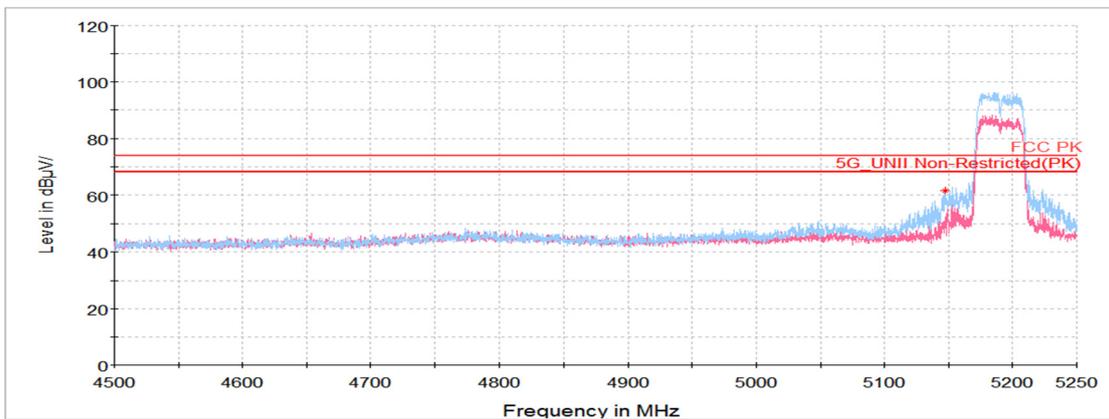
Frequency	Reading	Pol.	Ant. Factor	Amp.+Cable	DCCF	Result	Limit	Margin
(MHz)	(dB(μV))	(V/H)	(dB)	(dB)	(dB)	(dB(μV/m))	(dB(μV/m))	(dB)
Peak data								
5 149.24 ¹⁾	54.25	H	34.24	-27.11	-	61.38	74.00	12.62
10 379.45	58.75	V	37.28	-50.20	-	45.83	74.00	28.17
15 569.55 ¹⁾	52.21	H	40.01	-48.58	-	43.64	68.20	24.56
Average Data								
5 149.24 ¹⁾	44.73	H	34.24	-27.11	0.10	51.96	54.00	2.04

Average data

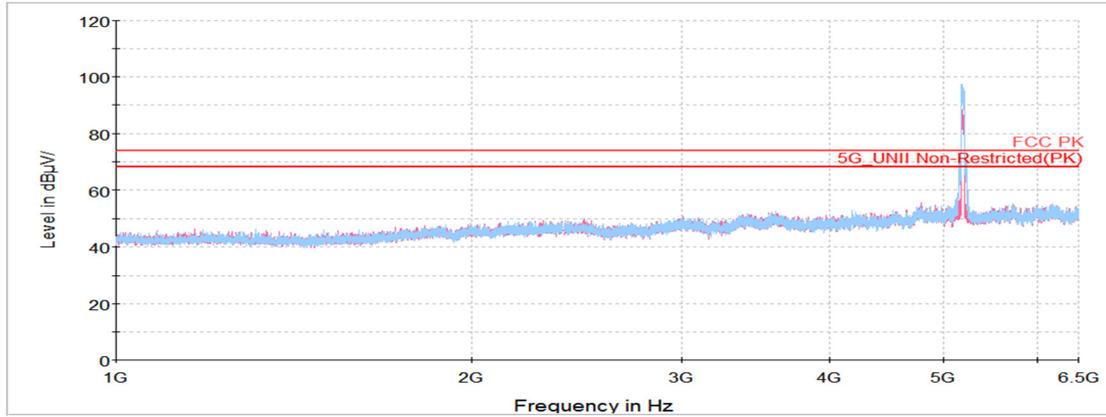


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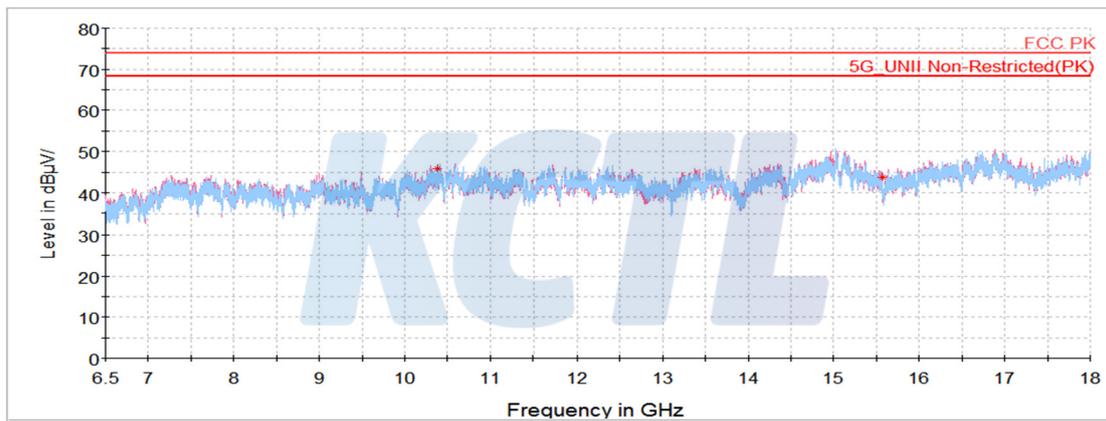
Horizontal/Vertical for Band-edge



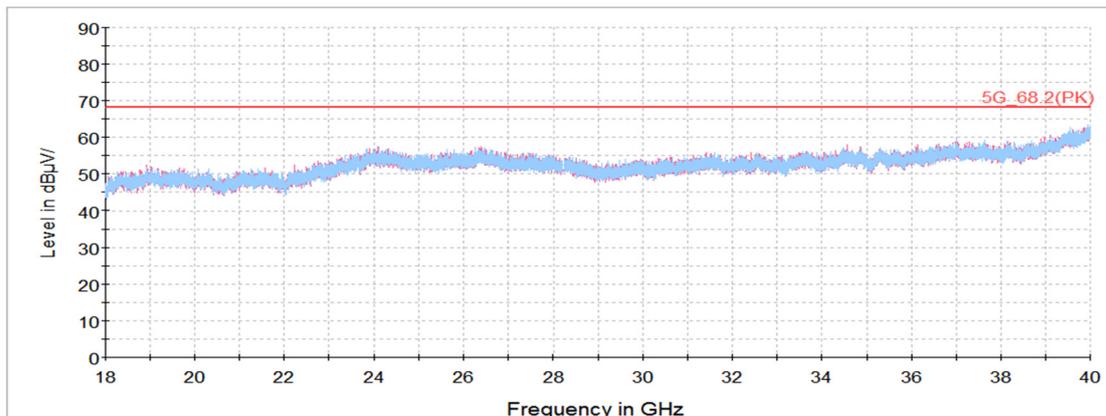
Horizontal/Vertical for 1 GHz ~ 6.5 GHz



Horizontal/Vertical for 6.5 GHz ~ 18 GHz



Horizontal/Vertical for 18 GHz ~ 40 GHz



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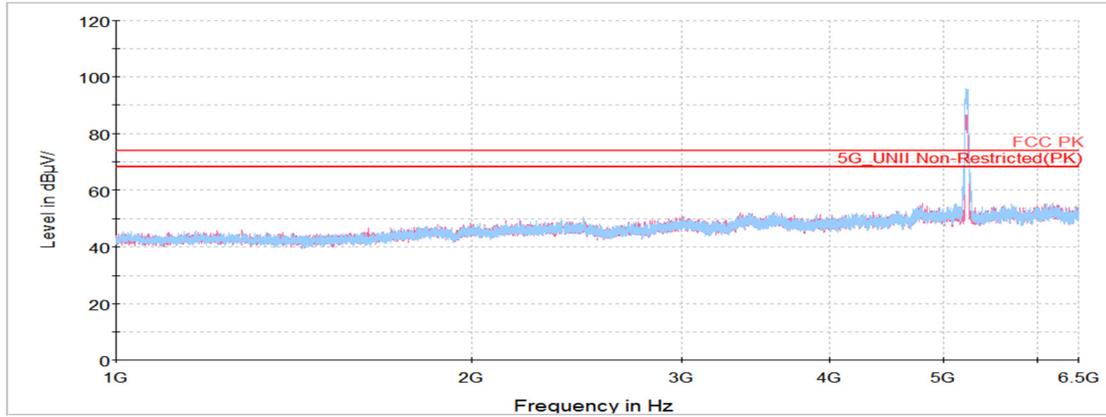
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KCTL**Highest Channel (5 230 MHz)**

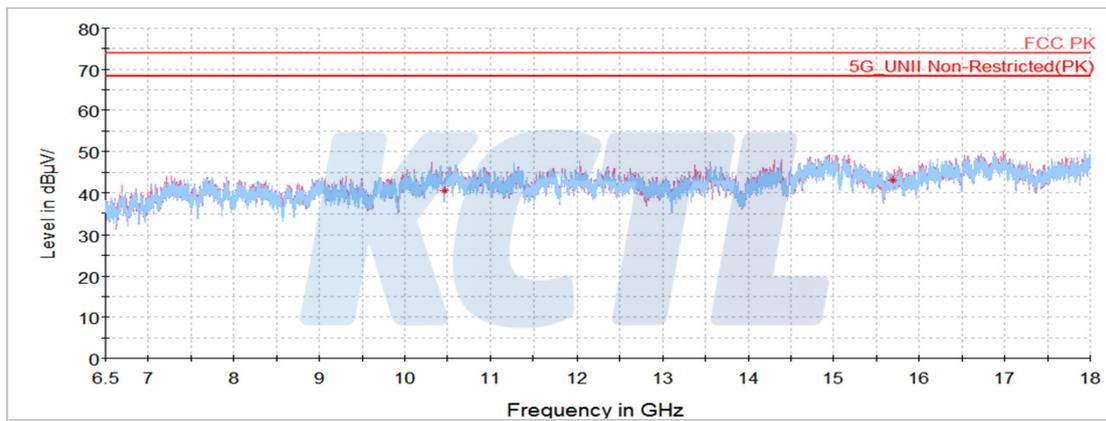
Frequency (MHz)	Reading (dB(μ V))	Pol. (V/H)	Ant. Factor (dB)	Amp.+Cable (dB)	DCCF (dB)	Result (dB(μ V/m))	Limit (dB(μ V/m))	Margin (dB)
Peak data								
10 461.03	53.01	V	37.36	-49.83	-	40.54	68.20	27.66
15 691.38 ¹⁾	51.66	H	40.04	-48.65	-	43.05	74.00	30.95
Average Data								
No spurious emissions were detected within 20 dB of the limit								

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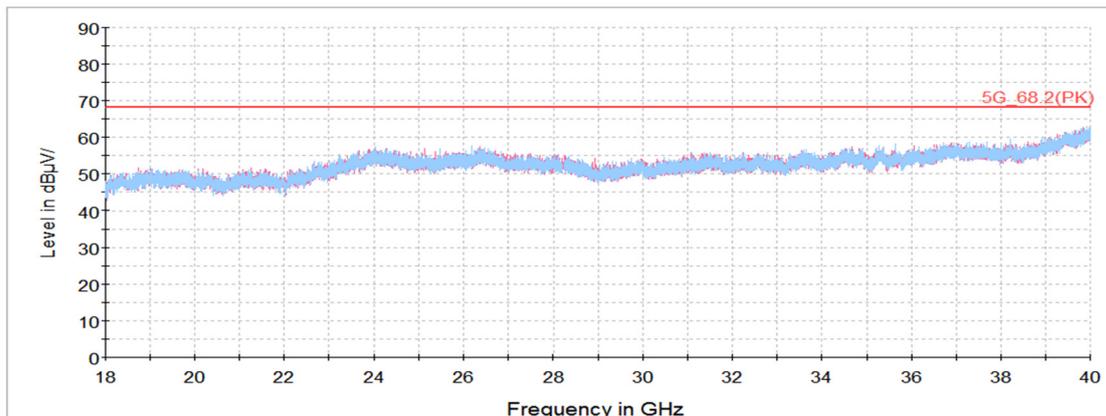
Horizontal/Vertical for 1 GHz ~ 6.5 GHz



Horizontal/Vertical for 6.5 GHz ~ 18 GHz



Horizontal/Vertical for 18 GHz ~ 40 GHz



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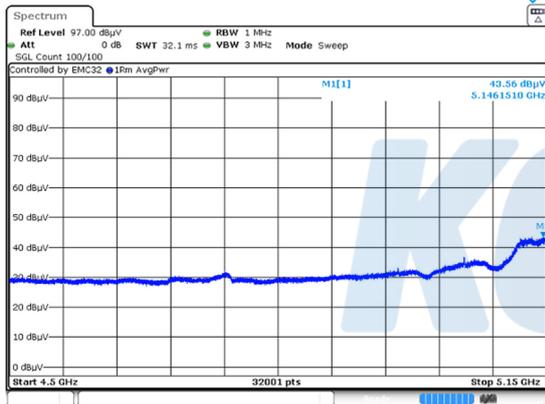


802.11ac VHT80 UNII-1

Lowest Channel (5 210 MHz)

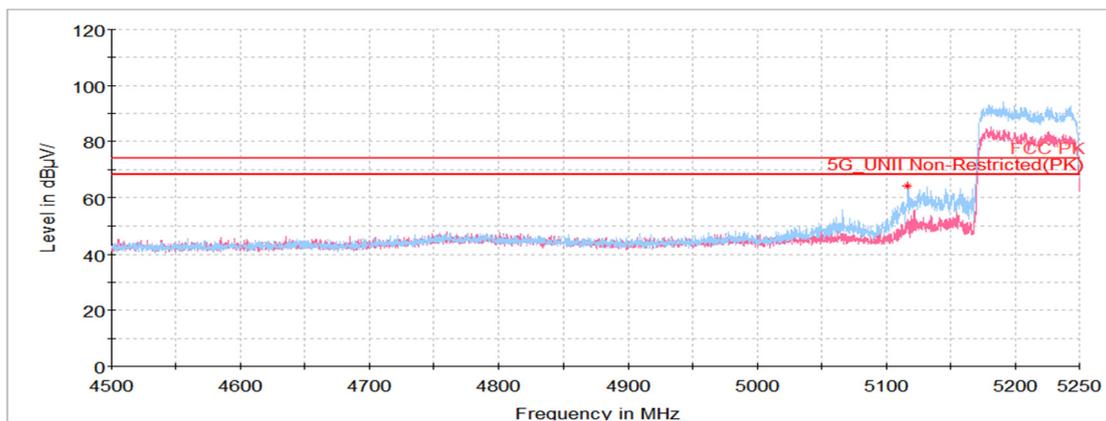
Frequency	Reading	Pol.	Ant. Factor	Amp.+Cable	DCCF	Result	Limit	Margin
(MHz)	(dB(μV))	(V/H)	(dB)	(dB)	(dB)	(dB(μV/m))	(dB(μV/m))	(dB)
Peak data								
5 147.76 ¹⁾	57.00	H	34.24	-27.10	-	64.14	74.00	9.86
10 420.78	58.34	H	37.32	-50.01	-	45.65	68.20	22.55
15 631.00 ¹⁾	52.13	H	40.03	-48.62	-	43.54	74.00	30.46
Average Data								
5 146.15 ¹⁾	43.56	H	34.23	-27.09	0.22	50.92	54.00	3.08

Average data

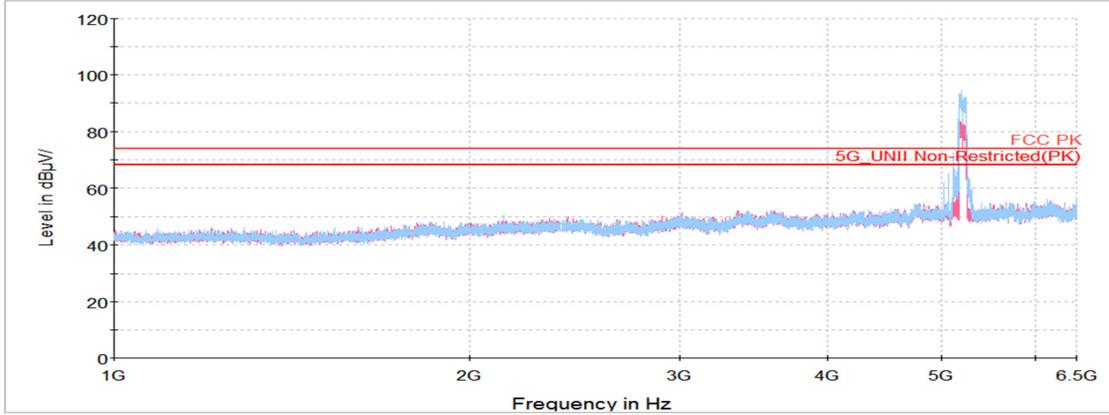


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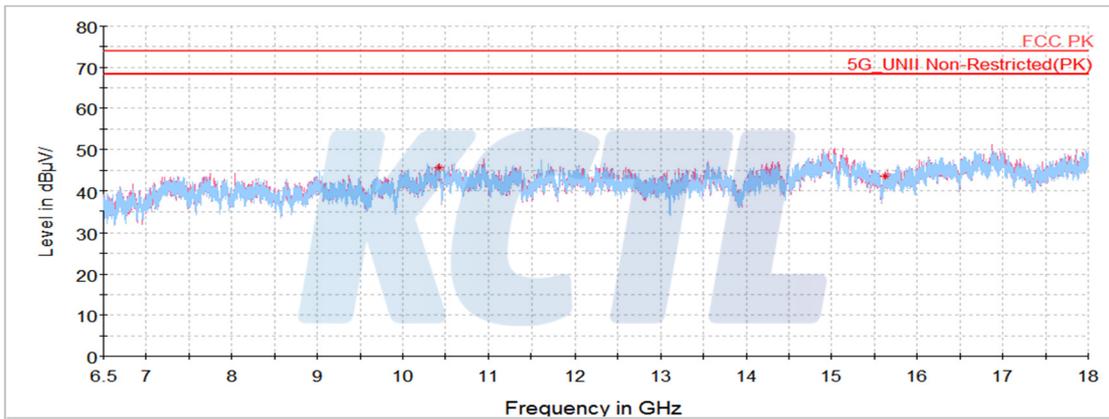
Horizontal/Vertical for Band-edge



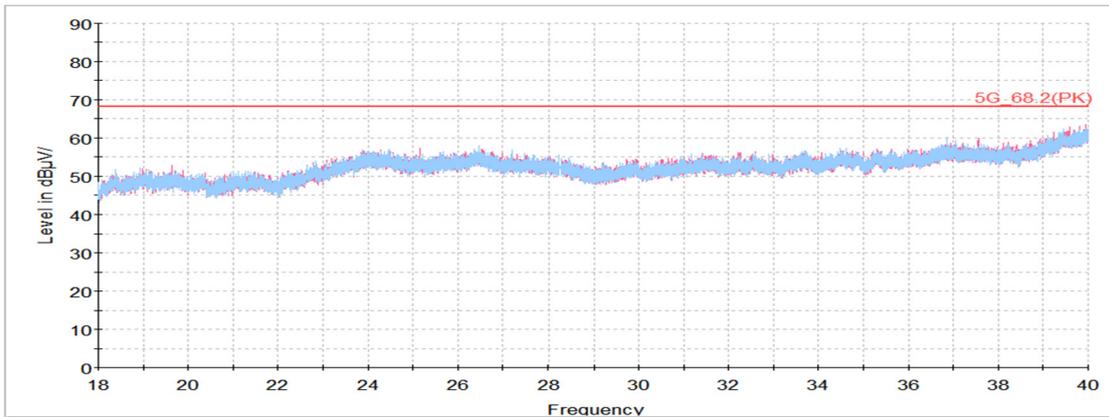
Horizontal/Vertical for 1 GHz ~ 6.5 GHz



Horizontal/Vertical for 6.5 GHz ~ 18 GHz



Horizontal/Vertical for 18 GHz ~ 40 GHz



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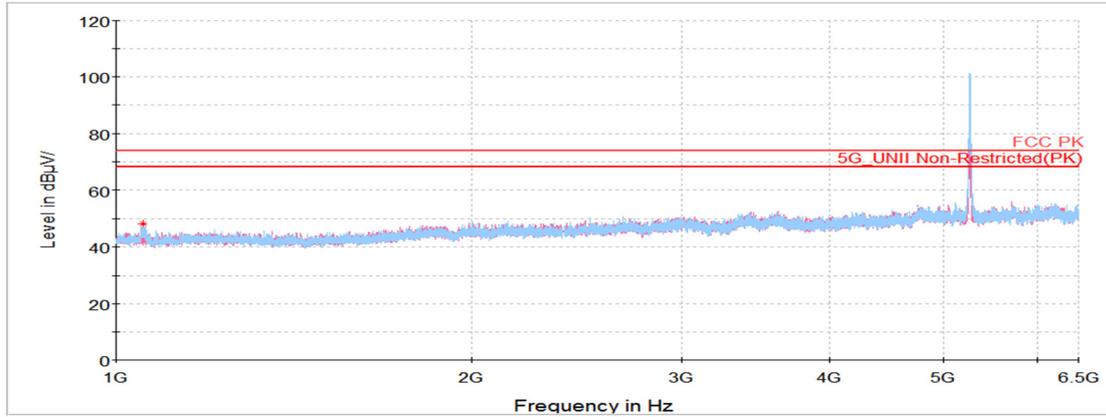
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KCTL**802.11a UNII-2A****Lowest Channel (5 260 MHz)**

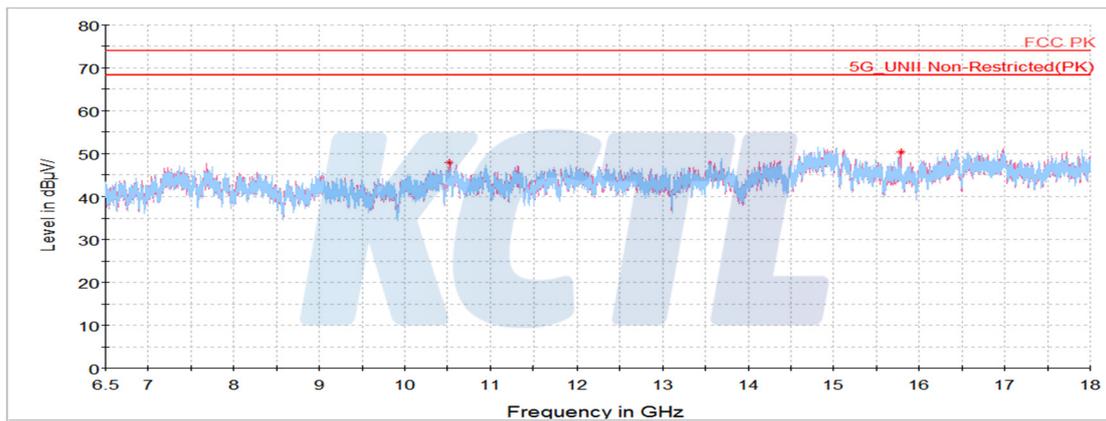
Frequency (MHz)	Reading (dB(μ V))	Pol. (V/H)	Ant. Factor (dB)	Amp.+Cable (dB)	DCCF (dB)	Result (dB(μ V/m))	Limit (dB(μ V/m))	Margin (dB)
Peak data								
1 055.00 ¹⁾	70.97	H	27.82	-50.61	-	48.18	74.00	25.82
10 522.84	60.23	V	37.41	-49.7	-	47.94	68.20	20.26
15 784.45 ¹⁾	58.96	V	40.06	-48.7	-	50.32	74.00	23.68
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

