

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

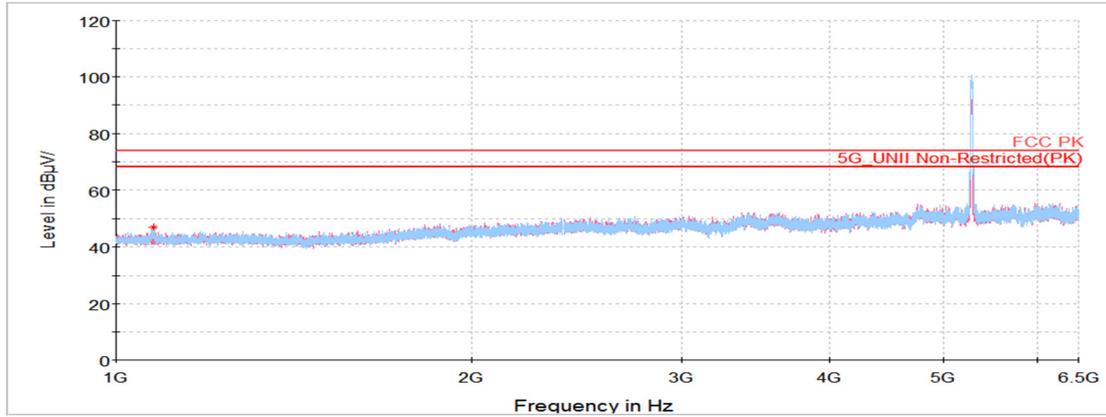
Page (117) of (219)

KCTL**Middle Channel (5 280 MHz)**

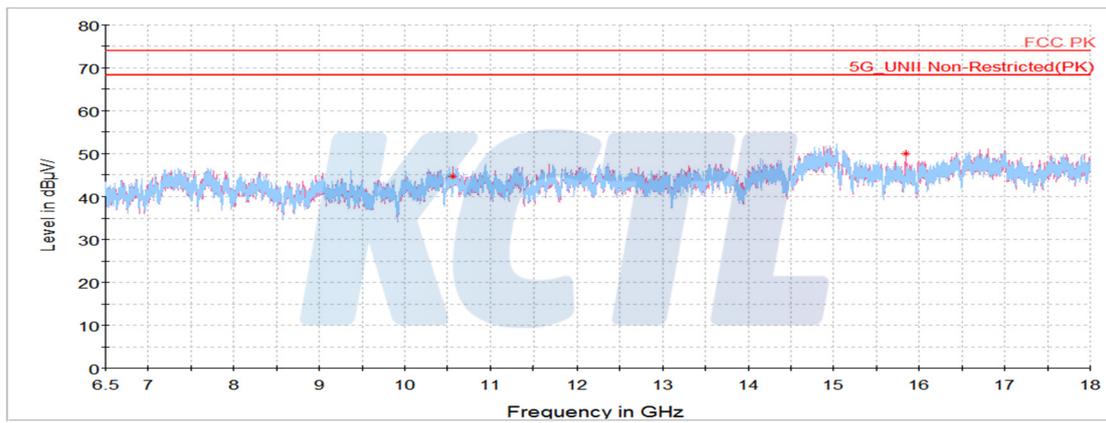
Frequency (MHz)	Reading (dB(μ V))	Pol. (V/H)	Ant. Factor (dB)	Amp.+Cable (dB)	DCCF (dB)	Result (dB(μ V/m))	Limit (dB(μ V/m))	Margin (dB)
Peak data								
1 076.66 ¹⁾	69.73	H	27.83	-50.61	-	46.95	74.00	27.05
10 562.38	56.91	V	37.44	-49.79	-	44.56	68.20	23.64
15 844.83 ¹⁾	58.59	V	40.07	-48.73	-	49.93	74.00	24.07
Average Data								
No spurious emissions were detected within 20 dB of the limit.								

KCTL

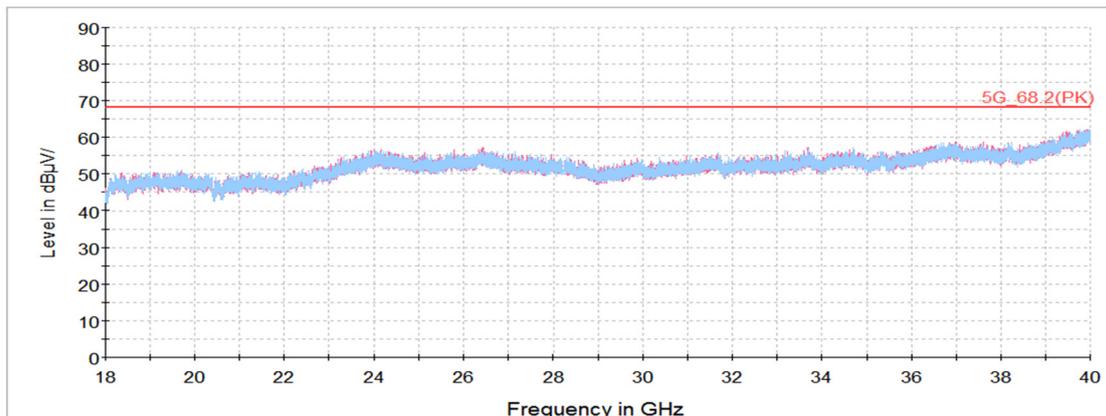
Horizontal/Vertical for 1 GHz ~ 6.5 GHz



Horizontal/Vertical for 6.5 GHz ~ 18 GHz



Horizontal/Vertical for 18 GHz ~ 40 GHz



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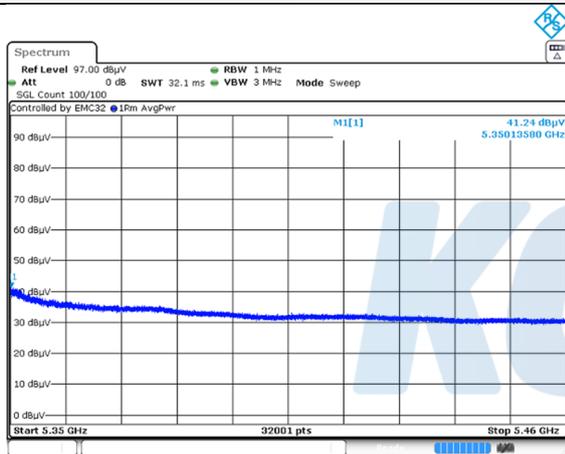
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Highest Channel (5 320 MHz)

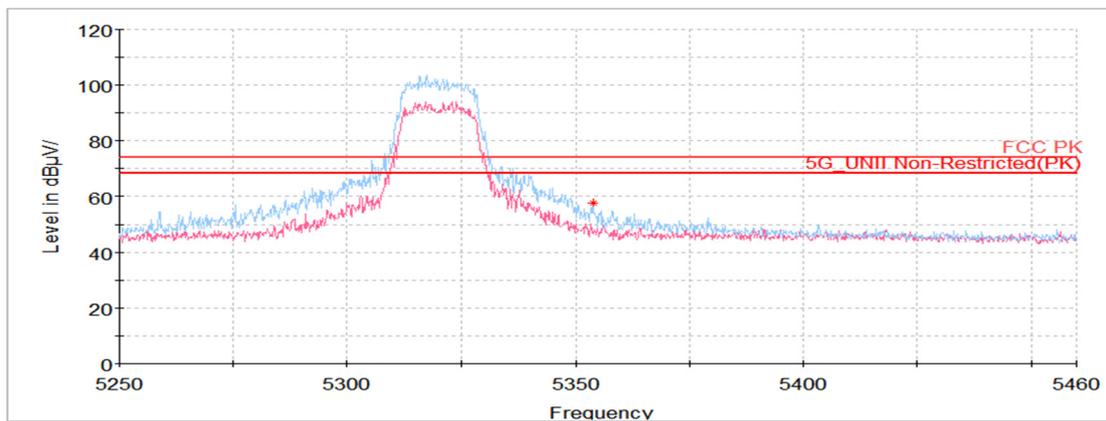
Frequency	Reading	Pol.	Ant. Factor	Amp.+Cable	DCCF	Result	Limit	Margin
(MHz)	(dB(μV))	(V/H)	(dB)	(dB)	(dB)	(dB(μV/m))	(dB(μV/m))	(dB)
Peak data								
1 116.02 ¹⁾	72.69	H	27.85	-50.49	-	50.05	74.00	23.95
5 350.14 ¹⁾	49.79	H	34.56	-26.84	-	57.51	74.00	16.49
10 641.44 ¹⁾	55.74	H	37.48	-49.96	-	43.26	74.00	30.74
15 958.39 ¹⁾	55.94	V	40.09	-48.79	-	47.24	74.00	26.76
Average Data								
5 350.14 ¹⁾	41.24	H	34.56	-26.84	-	48.96	54.00	5.04

Average data



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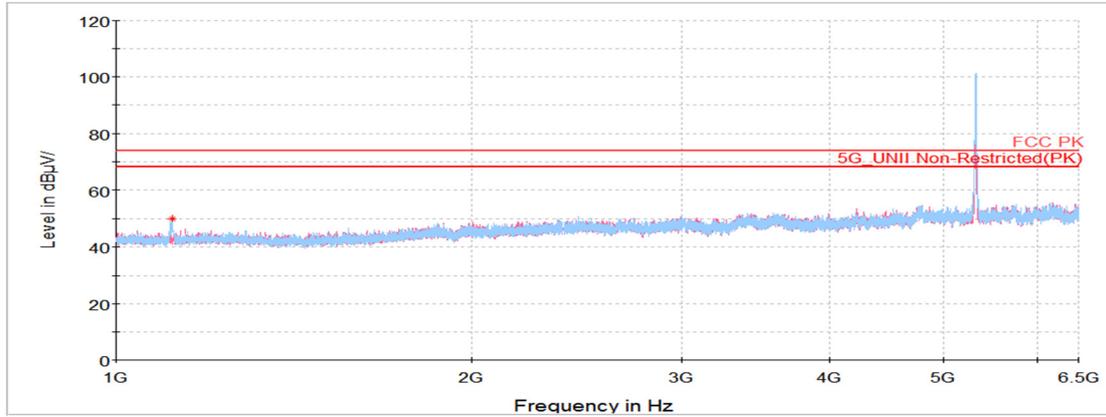
Horizontal/Vertical for Band-edge



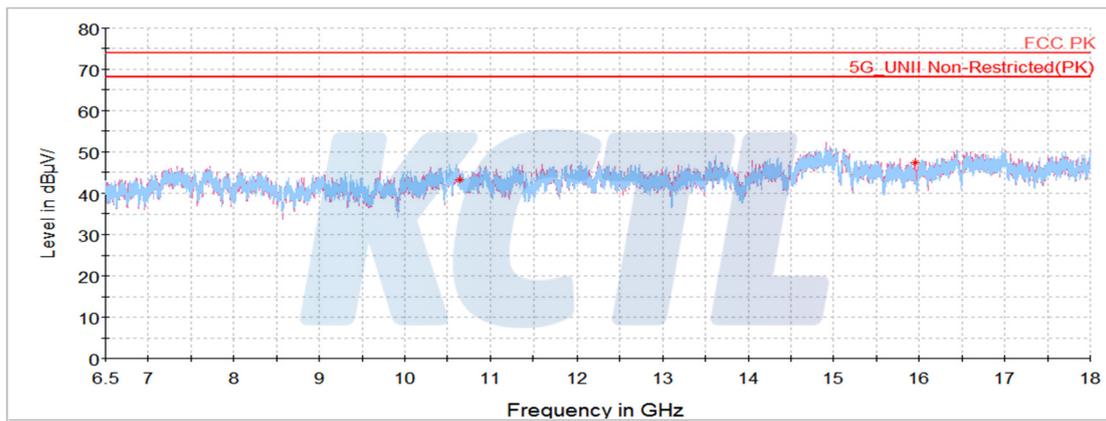
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KCTL-TIR001-003/2

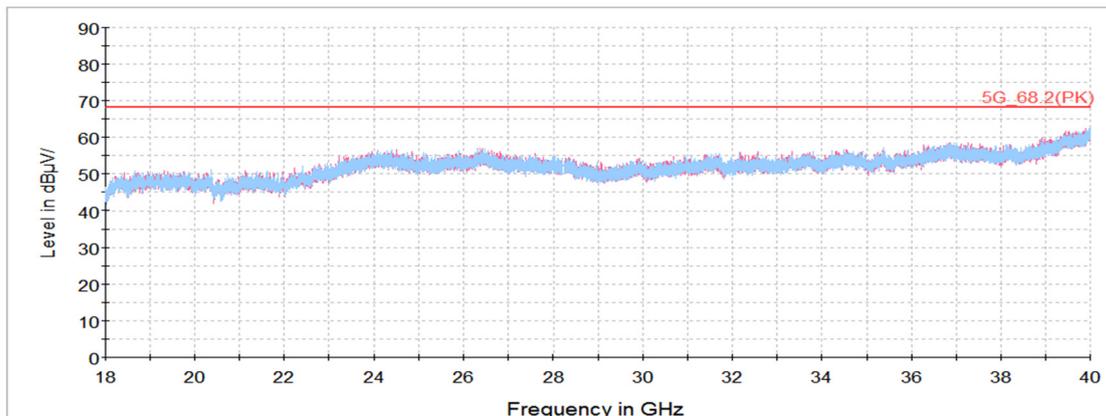
Horizontal/Vertical for 1 GHz ~ 6.5 GHz



Horizontal/Vertical for 6.5 GHz ~ 18 GHz



Horizontal/Vertical for 18 GHz ~ 40 GHz



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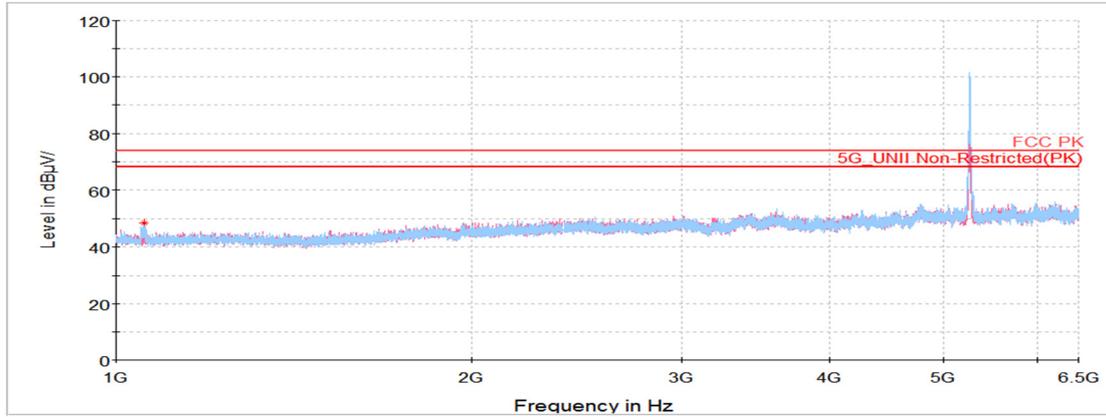
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KCTL**802.11n HT20 UNII-2A****Lowest Channel (5 260 MHz)**

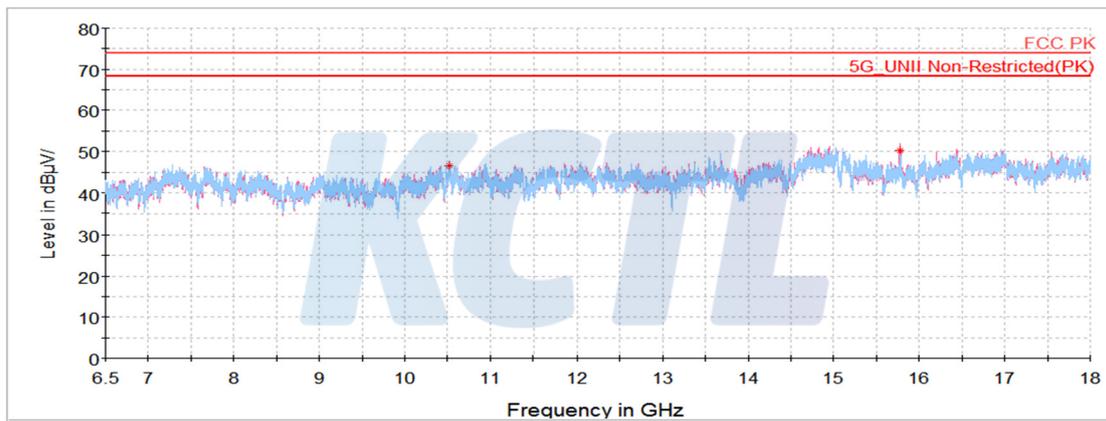
Frequency (MHz)	Reading (dB(μ V))	Pol. (V/H)	Ant. Factor (dB)	Amp.+Cable (dB)	DCCF (dB)	Result (dB(μ V/m))	Limit (dB(μ V/m))	Margin (dB)
Peak data								
1 055.34 ¹⁾	71.48	H	27.82	-50.61	-	48.69	74.00	25.31
10 521.05	58.92	V	37.41	-49.70	-	46.63	68.20	21.57
15 781.58 ¹⁾	58.90	V	40.06	-48.70	-	50.26	74.00	23.74
Average Data								
No spurious emissions were detected within 20 dB of the limit.								

KCTL

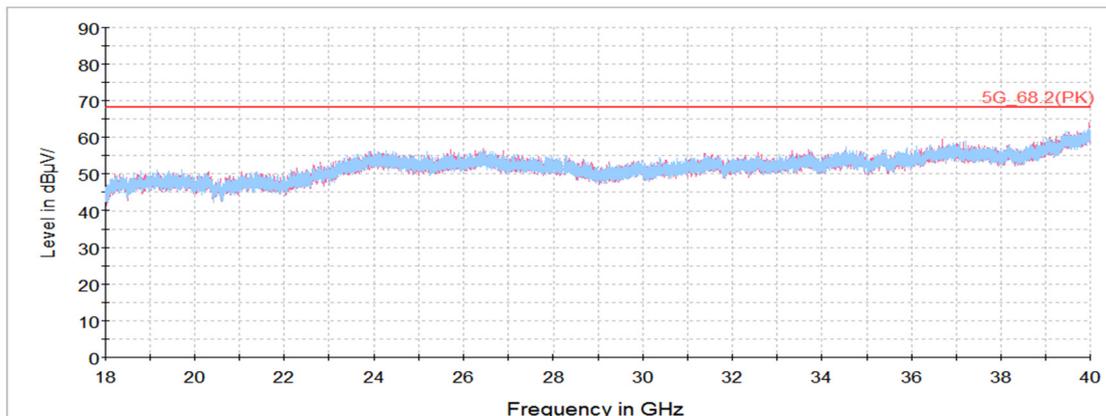
Horizontal/Vertical for 1 GHz ~ 6.5 GHz



Horizontal/Vertical for 6.5 GHz ~ 18 GHz



Horizontal/Vertical for 18 GHz ~ 40 GHz



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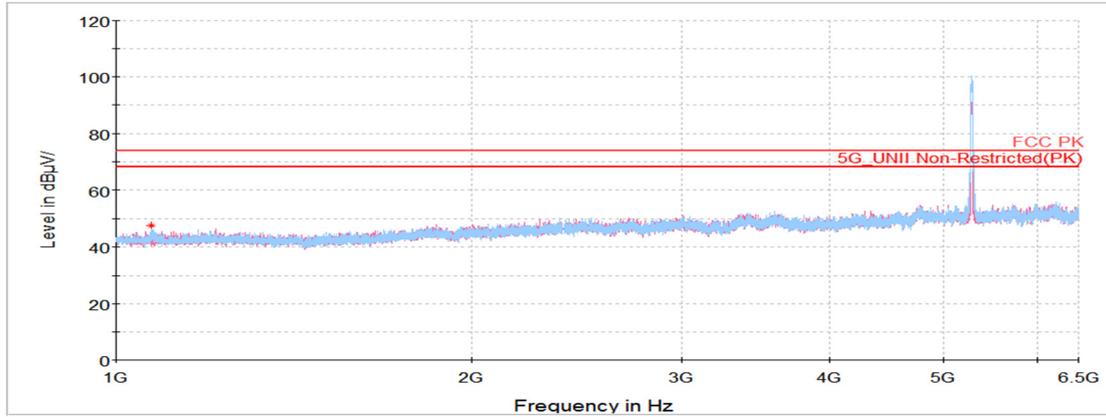
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KCTL**Middle Channel (5 280 MHz)**

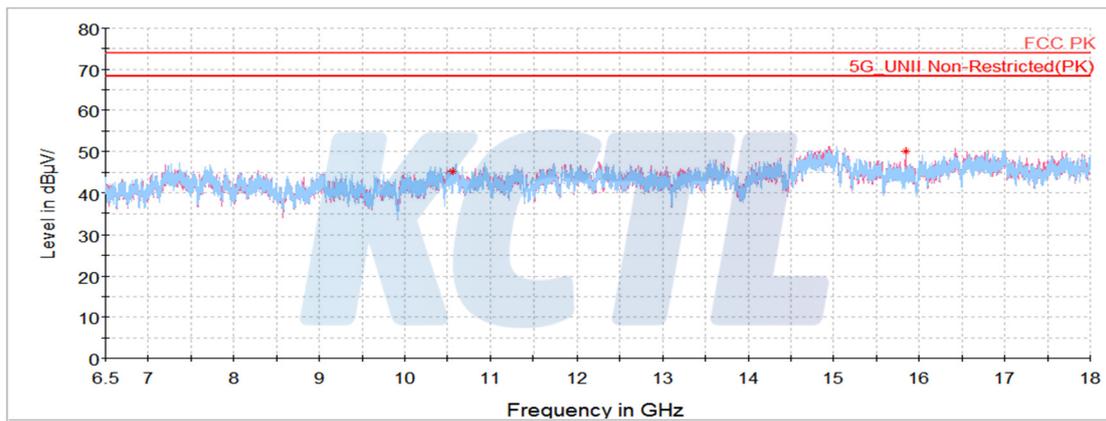
Frequency (MHz)	Reading (dB(μ V))	Pol. (V/H)	Ant. Factor (dB)	Amp.+Cable (dB)	DCCF (dB)	Result (dB(μ V/m))	Limit (dB(μ V/m))	Margin (dB)
Peak data								
1 071.84 ¹⁾	70.33	H	27.83	-50.61	-	47.55	74.00	26.45
10 560.94	57.55	V	37.44	-49.79	-	45.20	68.20	23.00
15 842.31 ¹⁾	58.78	V	40.07	-48.73	-	50.12	74.00	23.88
Average Data								
No spurious emissions were detected within 20 dB of the limit.								

KCTL

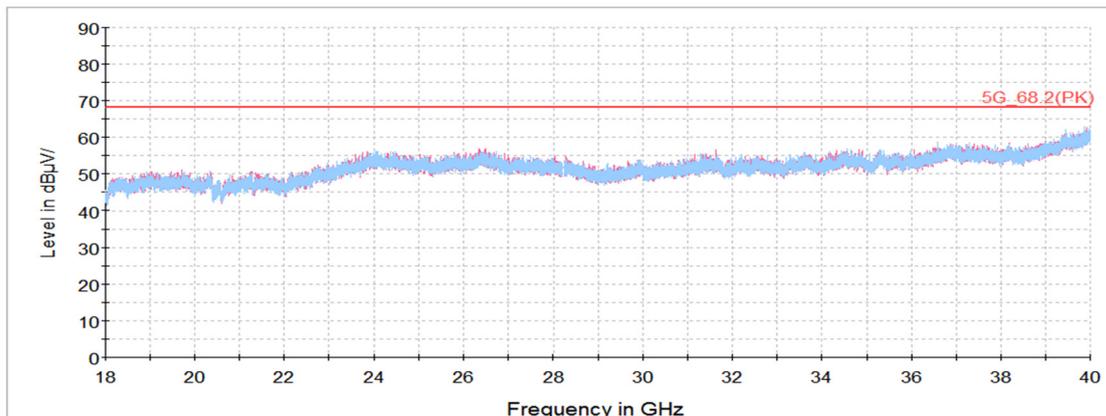
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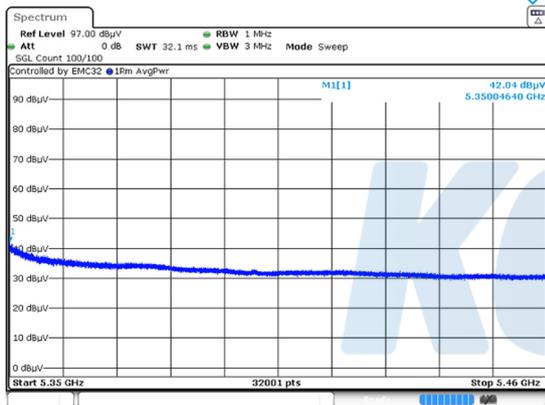
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Highest Channel (5 320 MHz)

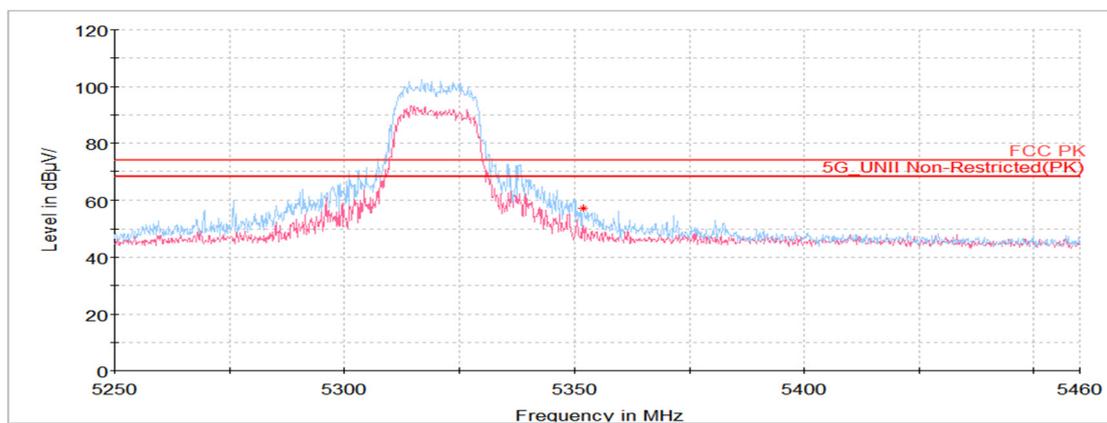
Frequency	Reading	Pol.	Ant. Factor	Amp.+Cable	DCCF	Result	Limit	Margin
(MHz)	(dB(μV))	(V/H)	(dB)	(dB)	(dB)	(dB(μV/m))	(dB(μV/m))	(dB)
Peak data								
1 115.33 ¹⁾	72.67	H	27.85	-50.49	-	50.03	74.00	23.97
5 350.05 ¹⁾	49.17	H	34.56	-26.84	-	56.89	74.00	17.11
10 639.28 ¹⁾	56.10	V	37.48	-49.96	-	43.62	68.20	24.58
15 960.55 ¹⁾	55.08	V	40.09	-48.79	-	46.38	74.00	27.62
Average Data								
5 350.05 ¹⁾	42.04	H	34.56	-26.84	-	49.76	54.00	4.24

Average data

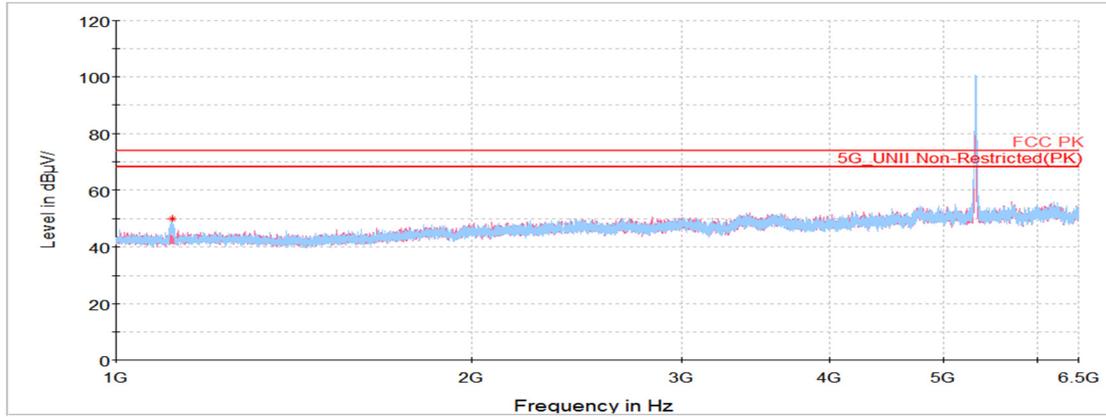


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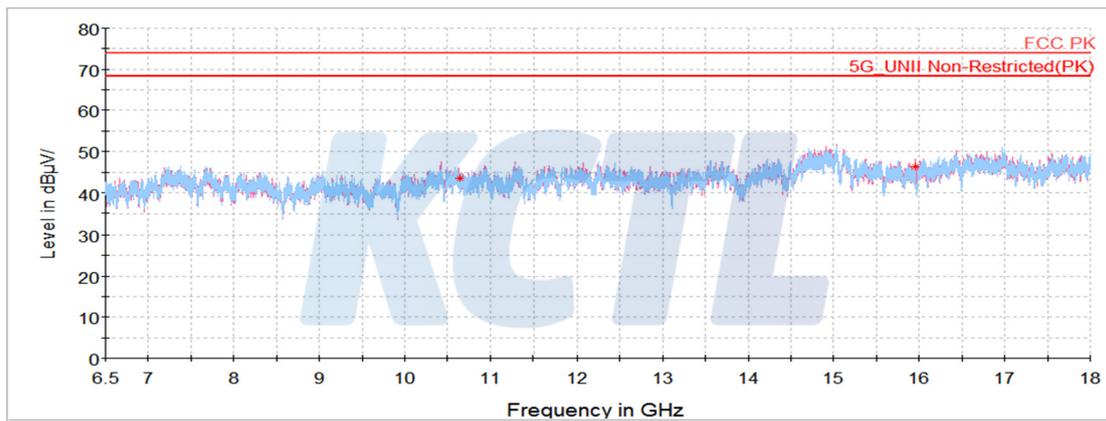
Horizontal/Vertical for Band-edge



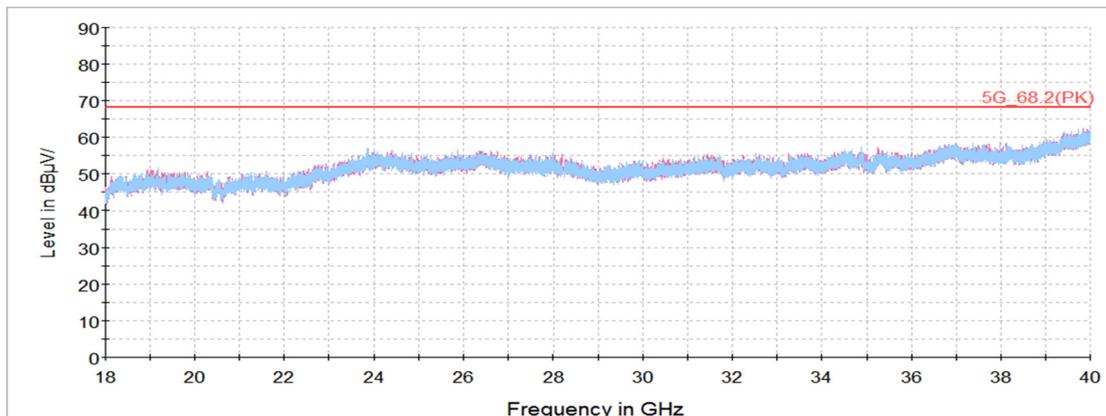
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Horizontal/Vertical for 6.5 GHz ~ 18 GHz



Horizontal/Vertical for 18 GHz ~ 40 GHz



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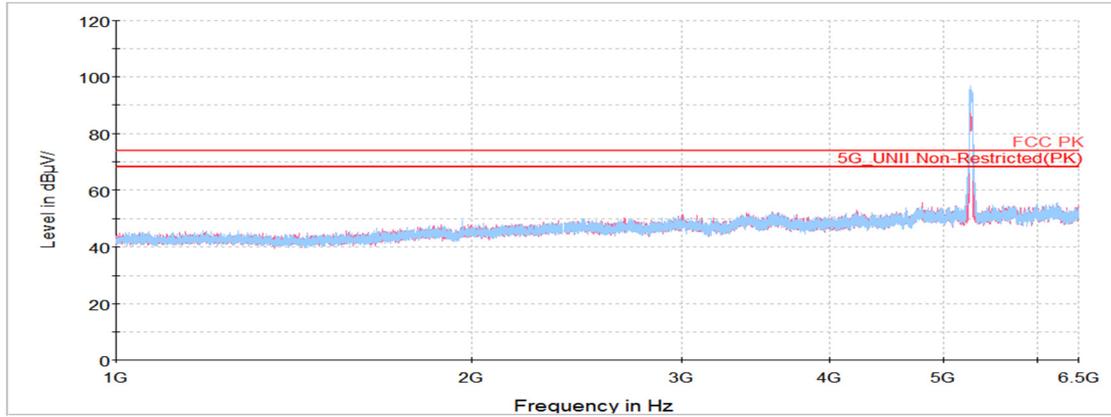
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KCTL**802.11n HT40 UNII-2A****Lowest Channel (5 270 MHz)**

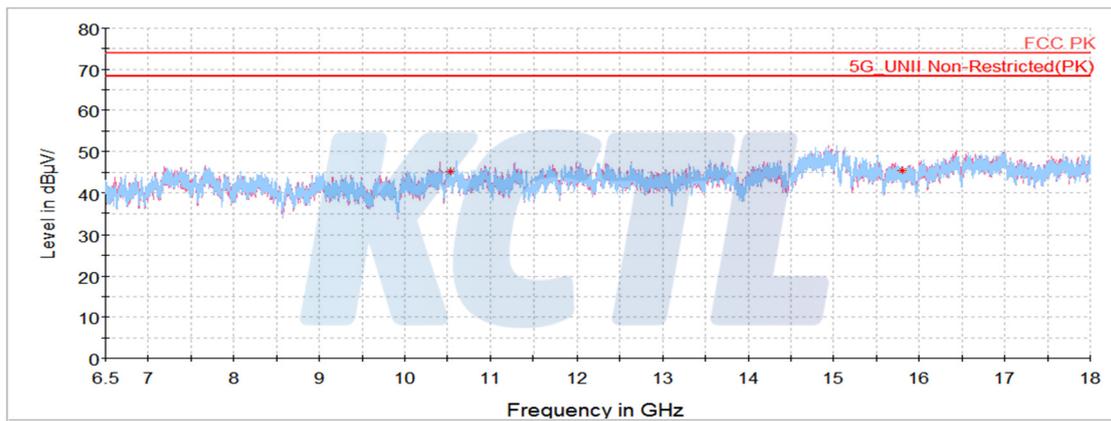
Frequency (MHz)	Reading (dB(μ V))	Pol. (V/H)	Ant. Factor (dB)	Amp.+Cable (dB)	DCCF (dB)	Result (dB(μ V/m))	Limit (dB(μ V/m))	Margin (dB)
Peak data								
10 540.81 ¹⁾	57.39	V	37.42	-49.74	-	45.07	68.20	23.13
15 808.53 ¹⁾	54.01	V	40.06	-48.71	-	45.36	74.00	28.64
Average Data								
No spurious emissions were detected within 20 dB of the limit.								

KCTL

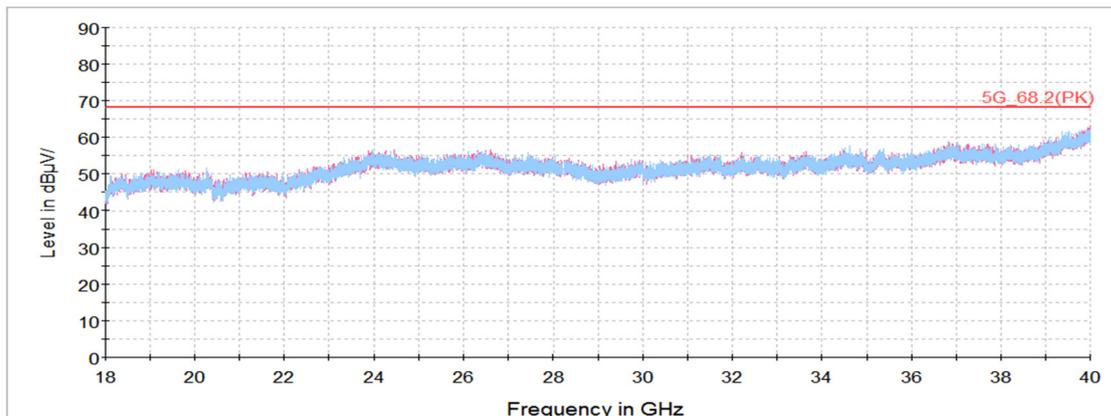
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Horizontal/Vertical for 6.5 GHz ~ 18 GHz



Horizontal/Vertical for 18 GHz ~ 40 GHz



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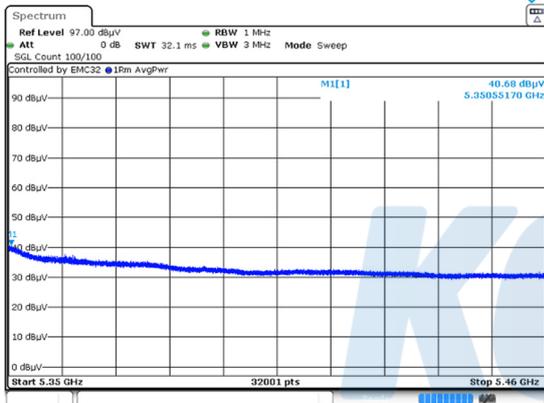
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Highest Channel (5 310 MHz)

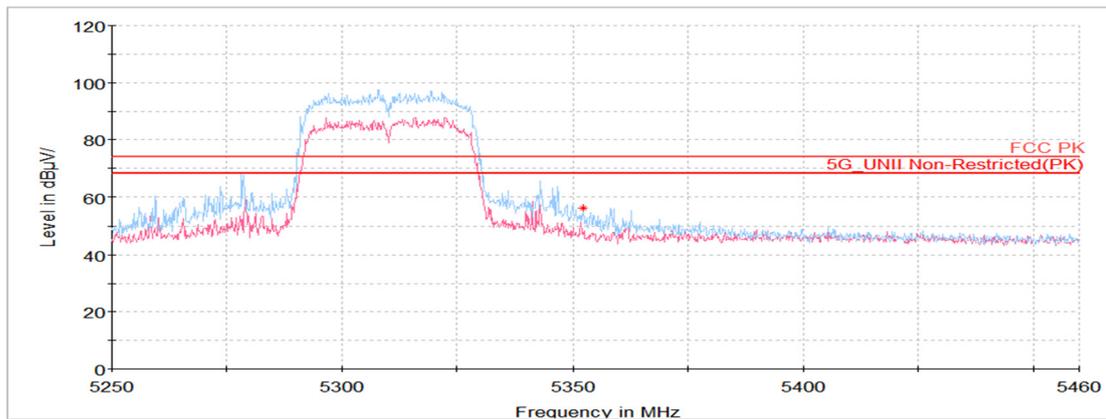
Frequency	Reading	Pol.	Ant. Factor	Amp.+Cable	DCCF	Result	Limit	Margin
(MHz)	(dB(μV))	(V/H)	(dB)	(dB)	(dB)	(dB(μV/m))	(dB(μV/m))	(dB)
Peak data								
5 350.55 ¹⁾	48.39	H	34.56	-26.84	-	56.11	74.00	17.89
10 620.59 ¹⁾	56.56	H	37.47	-49.92	-	44.11	68.20	24.09
15 930.00 ¹⁾	53.35	V	40.09	-48.78	-	44.66	74.00	29.34
Average Data								
5 350.55 ¹⁾	40.68	H	34.56	-26.84	0.10	48.50	54.00	5.50

Average data

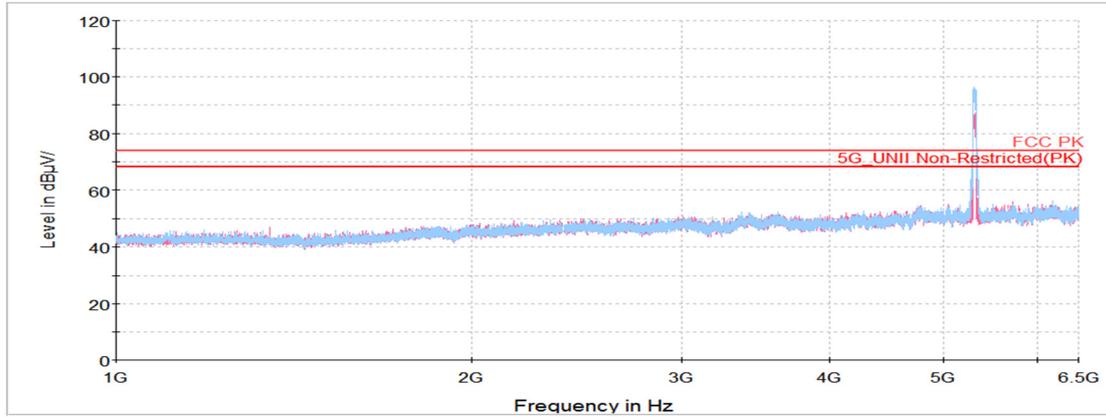


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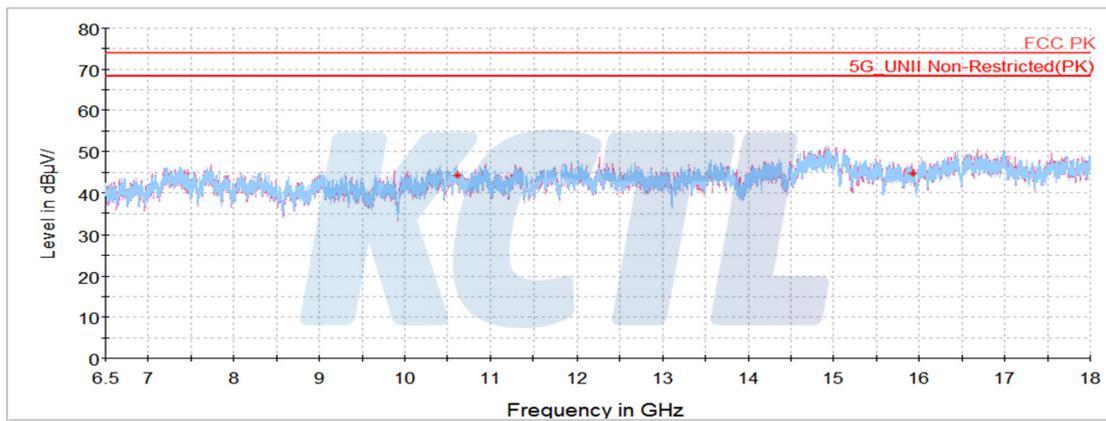
Horizontal/Vertical for Band-edge



Horizontal/Vertical for 1 GHz ~ 6.5 GHz



Horizontal/Vertical for 6.5 GHz ~ 18 GHz



Horizontal/Vertical for 18 GHz ~ 40 GHz

