

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-SRF0176

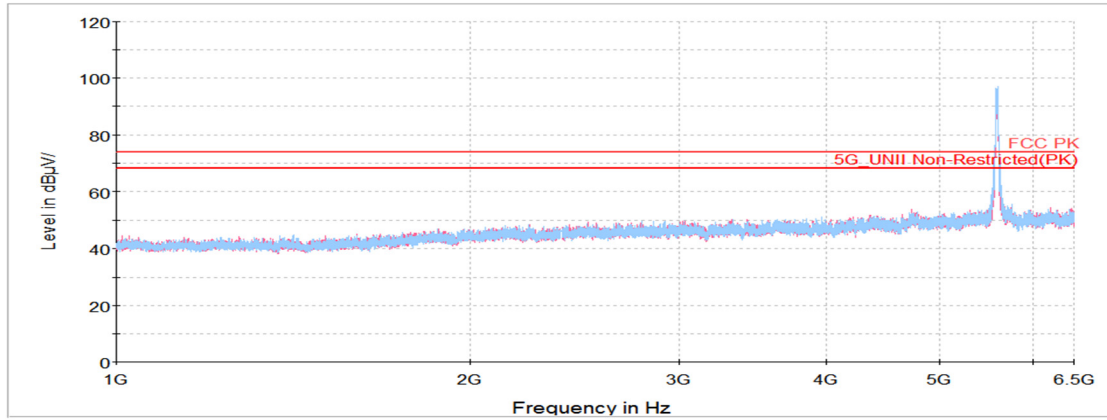
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**Middle Channel (5 590 MHz)**

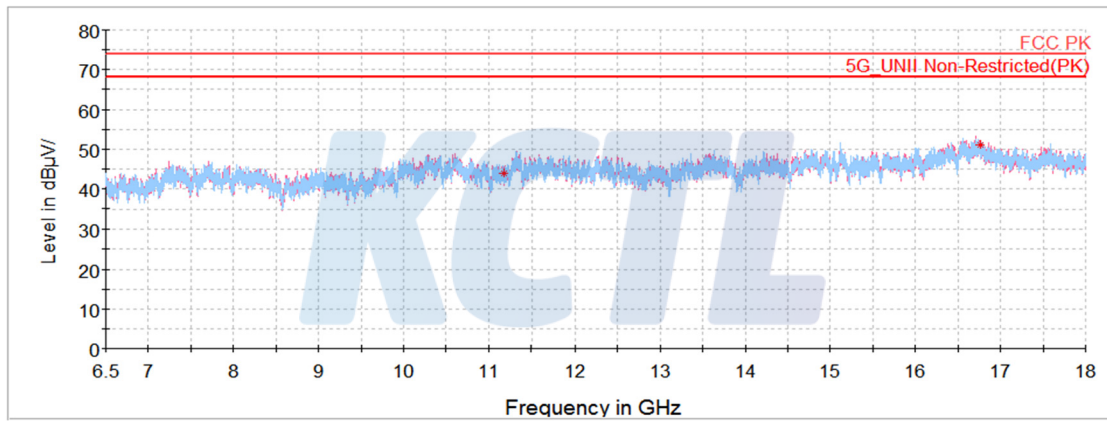
Frequency (MHz)	Pol. (V/H)	Reading (dB(μ V))	Ant. Factor (dB)	Amp.+Cable (dB)	DCCF (dB)	Result (dB(μ V/m))	Limit (dB(μ V/m))	Margin (dB)
Peak data								
11 180.14 ¹⁾	H	56.14	38.04	-50.21	-	43.97	74.00	30.03
16 771.66	V	55.40	41.37	-45.74	-	51.03	68.20	17.17
Average Data								
No spurious emissions were detected within 20 dB of the limit.								



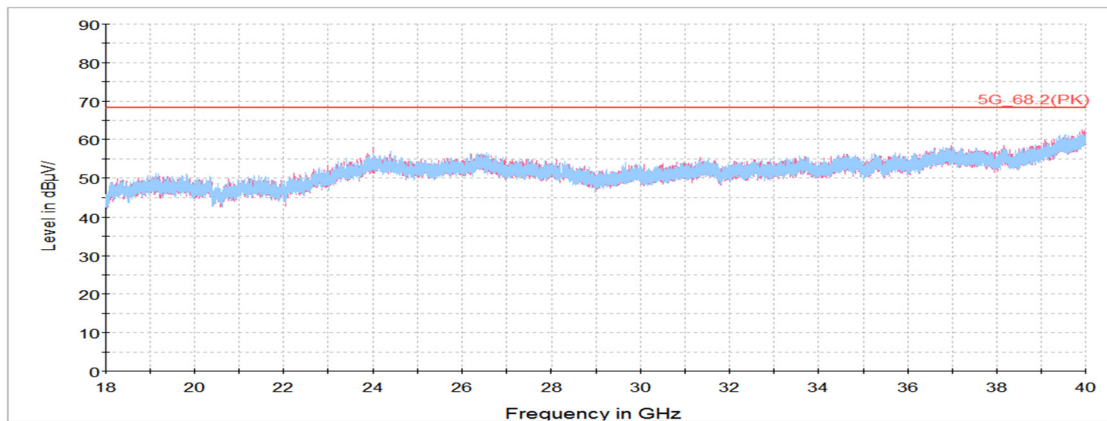
Horizontal/Vertical for 1 GHz ~ 6.5 GHz



Horizontal/Vertical for 6.5 GHz ~ 18 GHz



Horizontal/Vertical for 18 GHz ~ 40 GHz



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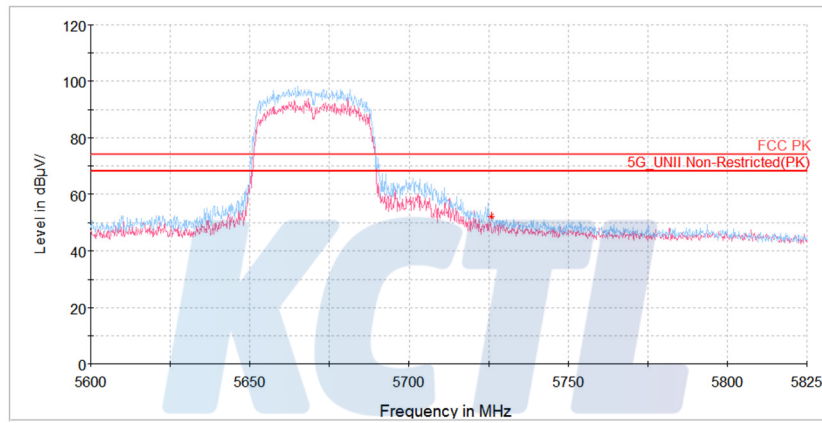
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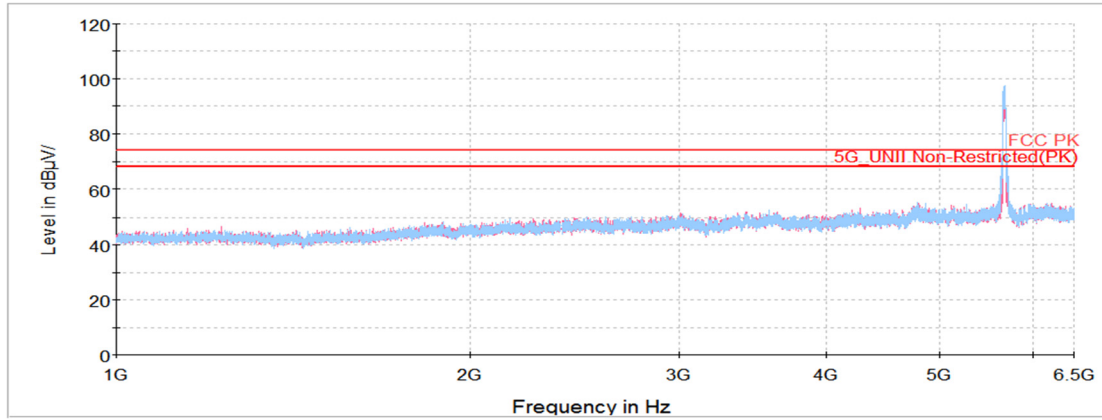
Highest Channel (5 670 MHz)

Frequency (MHz)	Pol. (V/H)	Reading (dB(μV))	Ant. Factor (dB)	Amp.+Cable (dB)	DCCF (dB)	Result (dB(μV/m))	Limit (dB(μV/m))	Margin (dB)
Peak data								
5 725.88	H	43.21	35.07	-25.93	-	52.35	68.20	15.85
11 341.50 ¹⁾	V	57.71	37.90	-50.27	-	45.34	74.00	28.66
17 009.56	H	55.60	41.30	-46.94	-	49.96	68.20	18.24
Average Data								
No spurious emissions were detected within 20 dB of the limit.								

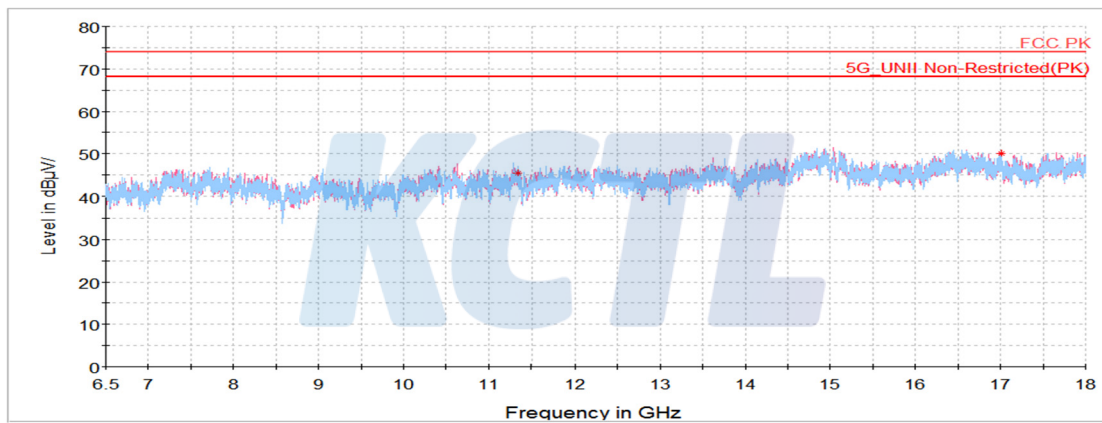
Horizontal/Vertical for Band-edge



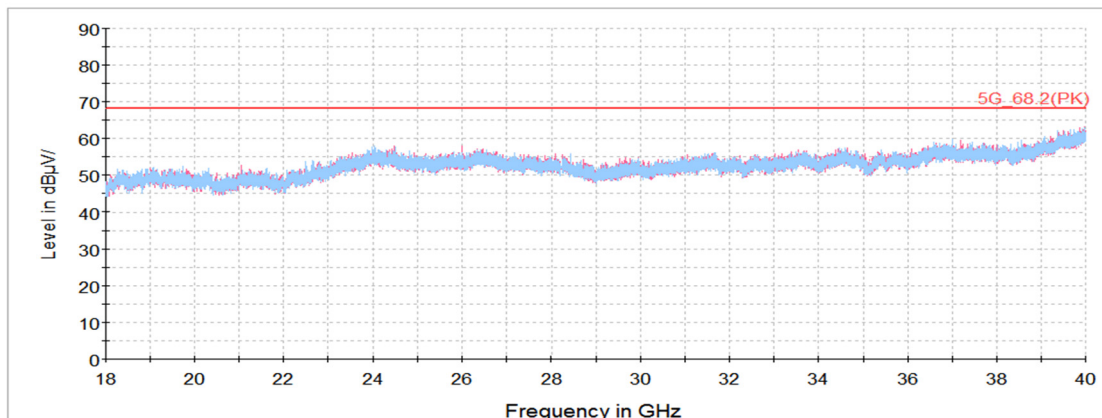
Horizontal/Vertical for 1 GHz ~ 6.5 GHz



Horizontal/Vertical for 6.5 GHz ~ 18 GHz



Horizontal/Vertical for 18 GHz ~ 40 GHz



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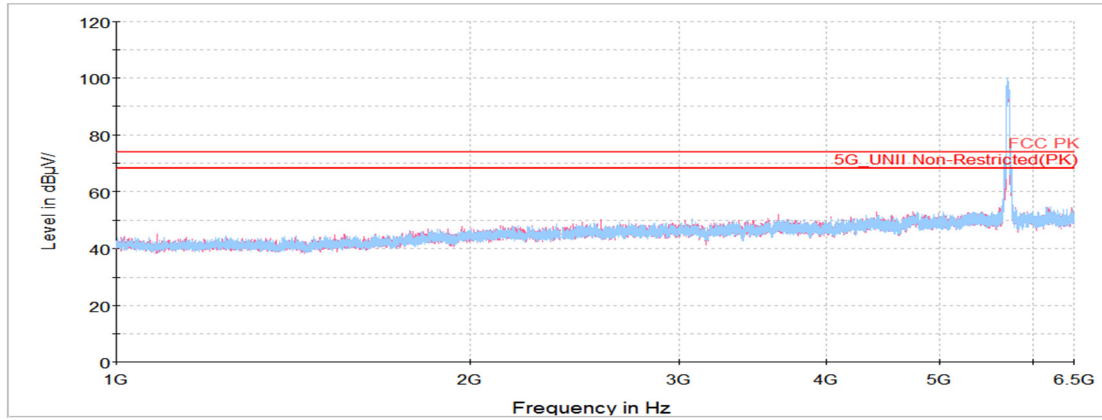
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**Straddle Channel (5 710 MHz)**

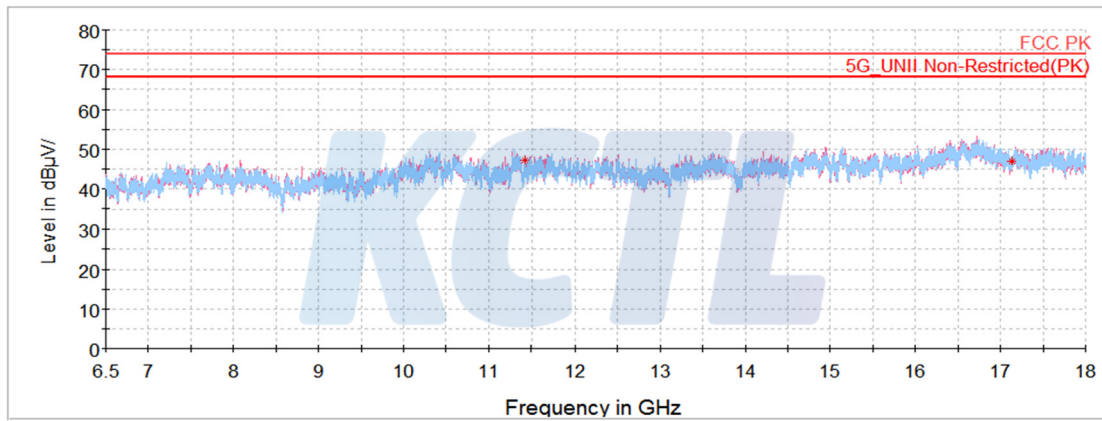
Frequency (MHz)	Pol. (V/H)	Reading (dB(μ V))	Ant. Factor (dB)	Amp.+Cable (dB)	DCCF (dB)	Result (dB(μ V/m))	Limit (dB(μ V/m))	Margin (dB)
Peak data								
11 420.92 ¹⁾	H	57.63	38.24	-48.63	-	47.24	74.00	26.76
17 130.31	H	51.97	41.23	-46.39	-	46.81	68.20	21.39
Average Data								
No spurious emissions were detected within 20 dB of the limit.								



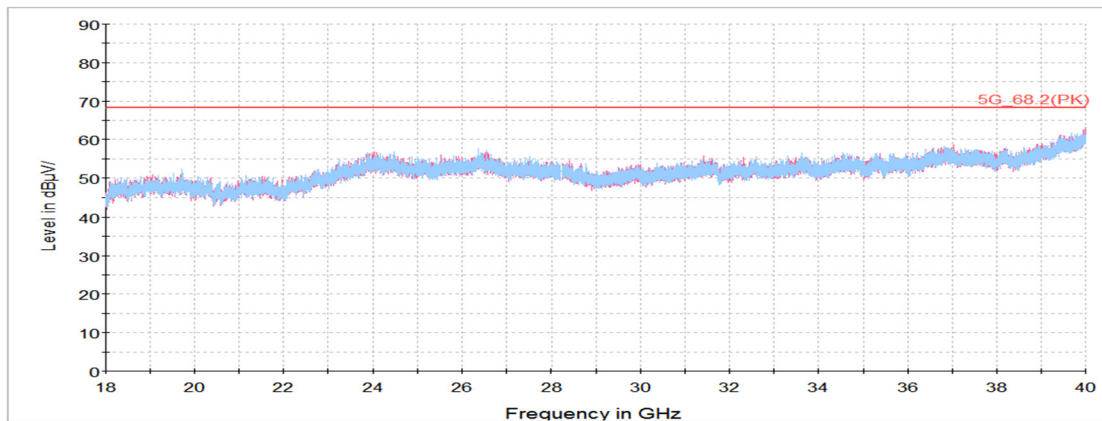
Horizontal/Vertical for 1 GHz ~ 6.5 GHz



Horizontal/Vertical for 6.5 GHz ~ 18 GHz



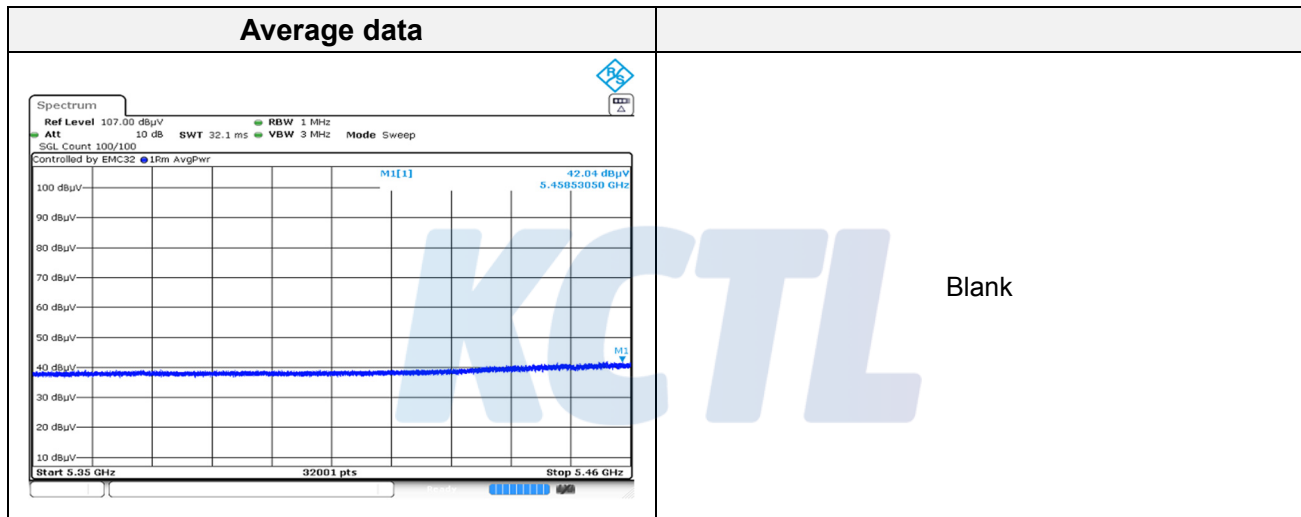
Horizontal/Vertical for 18 GHz ~ 40 GHz



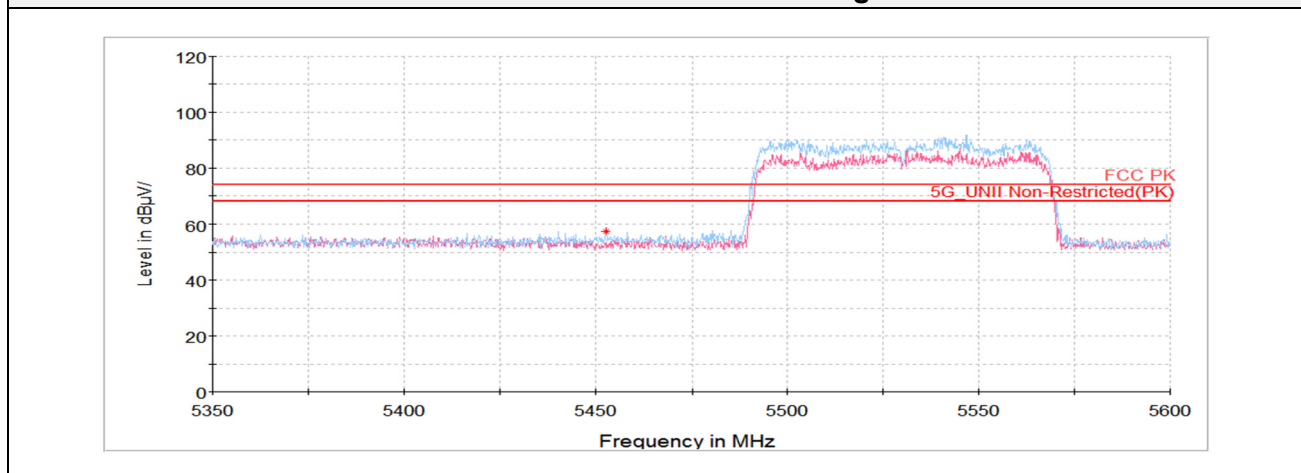
802.11ac VHT80 UNII-2C

Lowest Channel (5 530 MHz)

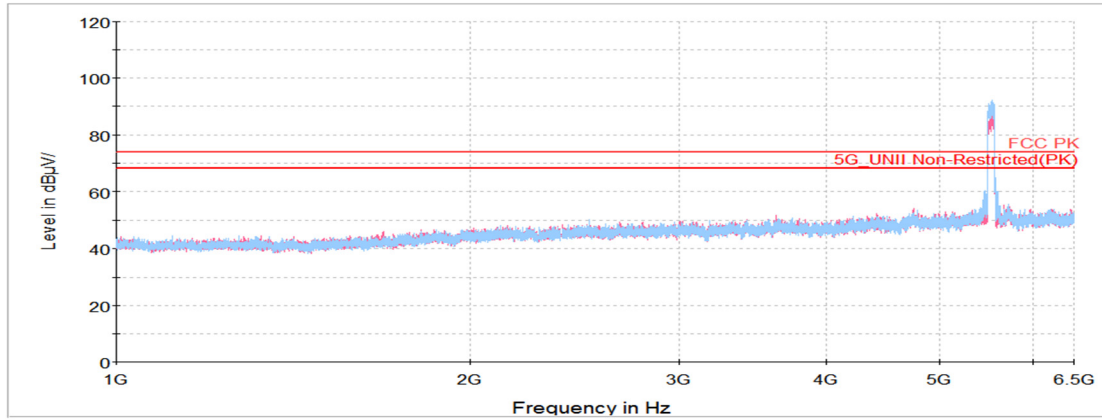
Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCCF	Result	Limit	Margin
(MHz)	(V/H)	(dB(μV))	(dB)	(dB)	(dB)	(dB(μV/m))	(dB(μV/m))	(dB)
Peak data								
5 458.53 ¹⁾	H	50.18	34.46	-27.34	-	57.30	74.00	16.70
11 060.11 ¹⁾	V	57.97	37.95	-50.99	-	44.93	74.00	29.07
16 590.89	V	54.34	41.19	-45.46	-	50.07	68.20	18.13
Average Data								
5 458.53 ¹⁾	H	42.04	34.46	-27.34	1.25	50.41	54.00	3.59



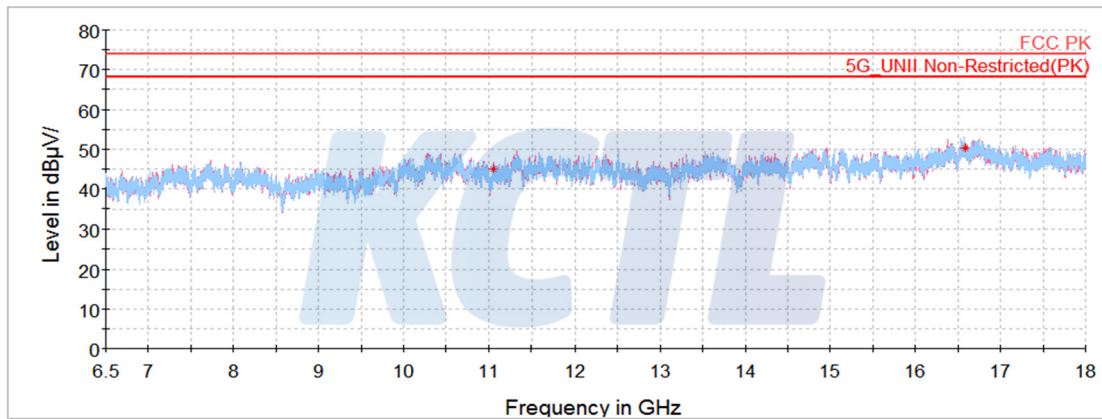
Horizontal/Vertical for Band-edge



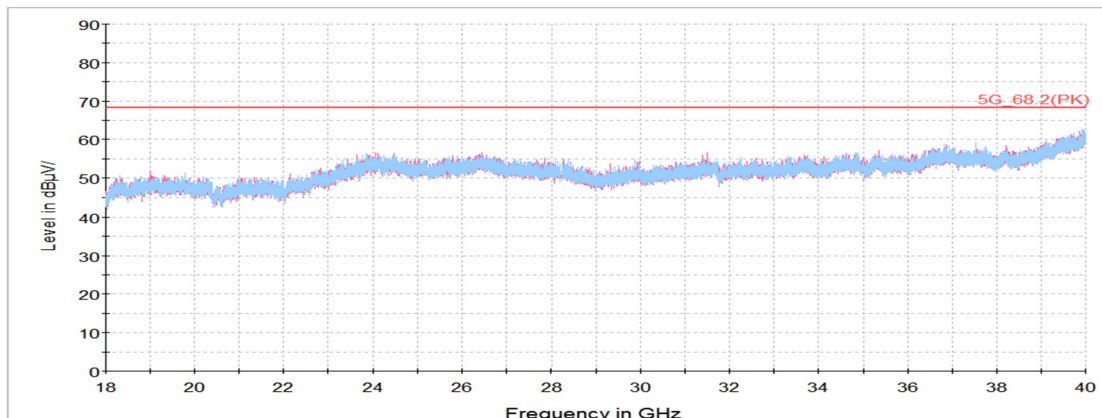
Horizontal/Vertical for 1 GHz ~ 6.5 GHz



Horizontal/Vertical for 6.5 GHz ~ 18 GHz



Horizontal/Vertical for 18 GHz ~ 40 GHz



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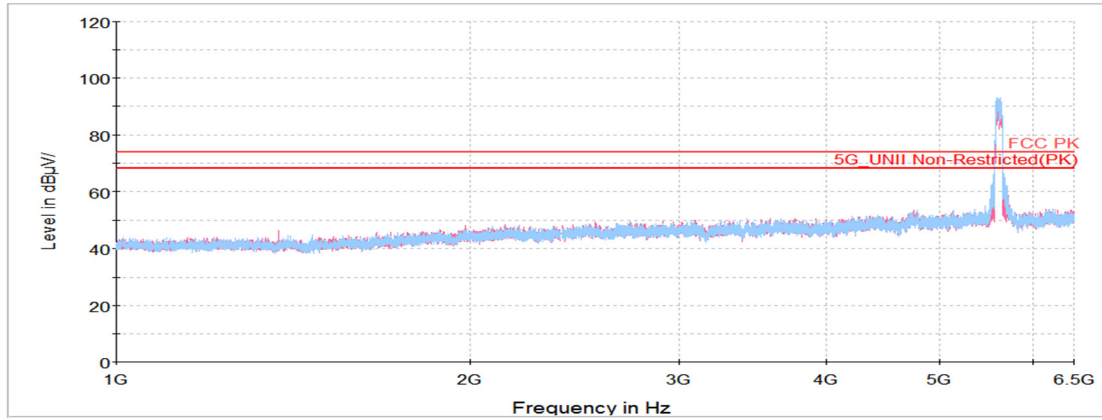
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KCTL**Highest Channel (5 610 MHz)**

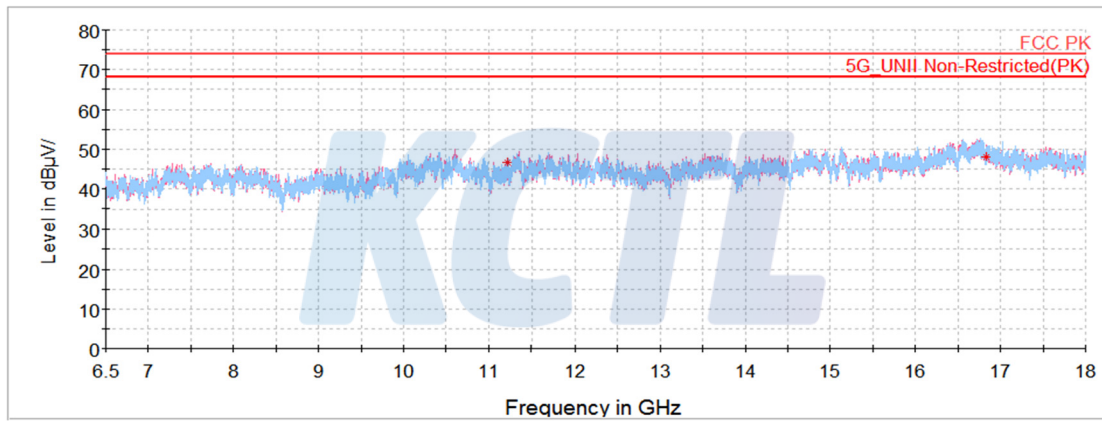
Frequency (MHz)	Pol. (V/H)	Reading (dB(μ V))	Ant. Factor (dB)	Amp.+Cable (dB)	DCCF (dB)	Result (dB(μ V/m))	Limit (dB(μ V/m))	Margin (dB)
Peak data								
11 220.03 ¹⁾	V	58.36	38.08	-49.95	-	46.49	74.00	27.51
16 830.23	V	52.47	41.43	-45.83	-	48.07	68.20	20.13
Average Data								
No spurious emissions were detected within 20 dB of the limit.								

KCTL

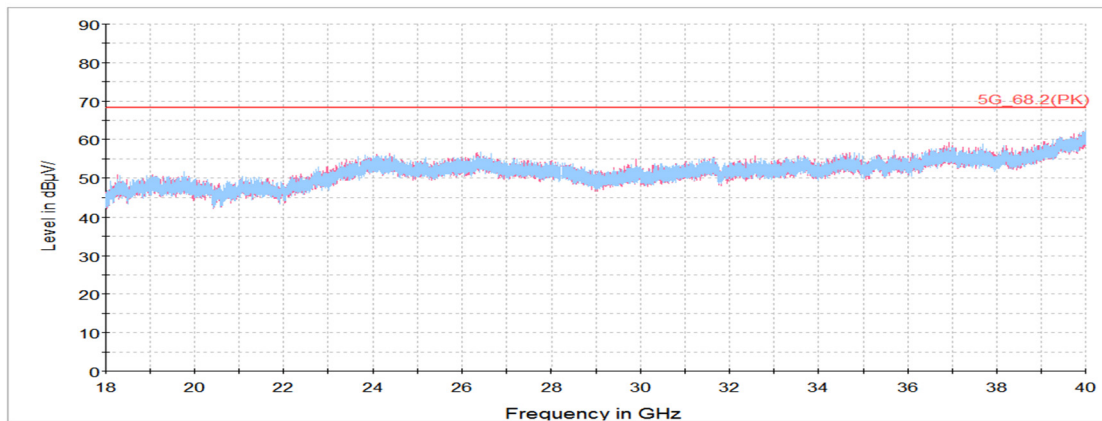
Horizontal/Vertical for 1 GHz ~ 6.5 GHz



Horizontal/Vertical for 6.5 GHz ~ 18 GHz



Horizontal/Vertical for 18 GHz ~ 40 GHz



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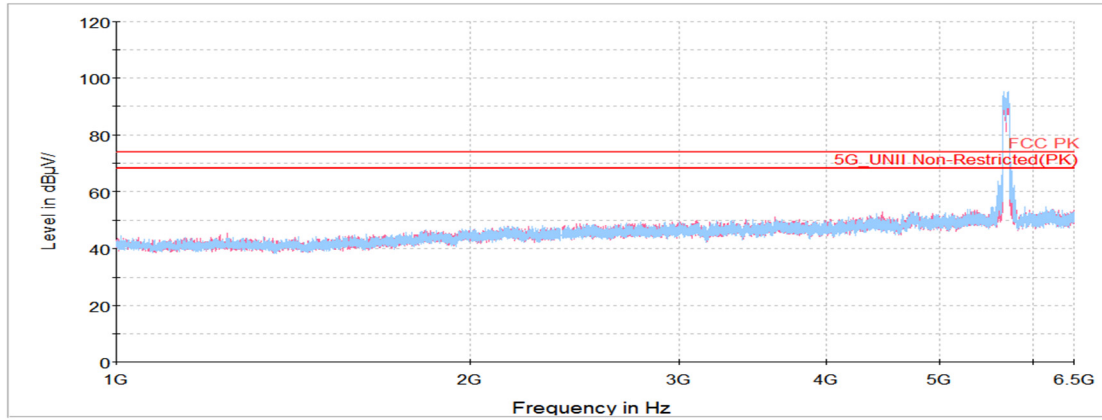
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**Straddle Channel (5 690 MHz)**

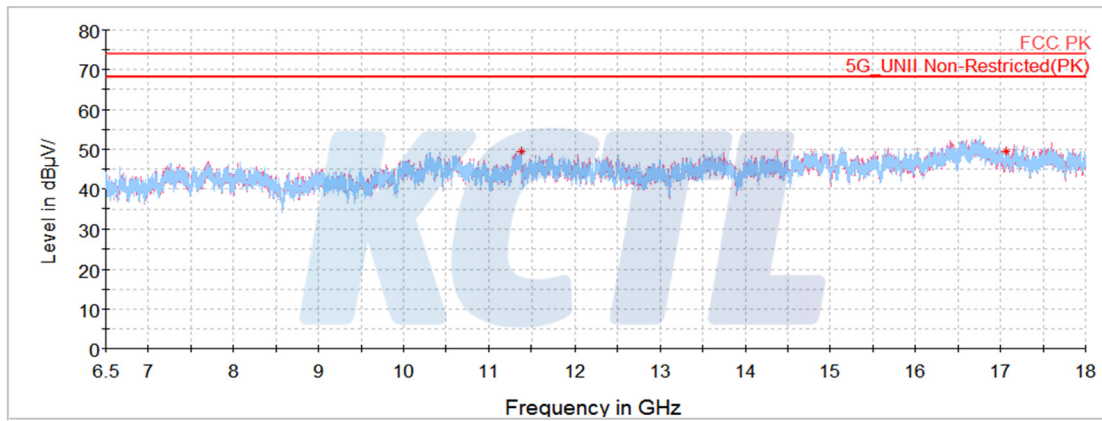
Frequency (MHz)	Pol. (V/H)	Reading (dB(μ V))	Ant. Factor (dB)	Amp.+Cable (dB)	DCCF (dB)	Result (dB(μ V/m))	Limit (dB(μ V/m))	Margin (dB)
Peak data								
11 378.88 ¹⁾	H	59.96	38.20	-48.91	-	49.25	74.00	24.75
17 070.66	V	54.54	41.21	-46.25	-	49.50	68.20	18.70
Average Data								
No spurious emissions were detected within 20 dB of the limit.								



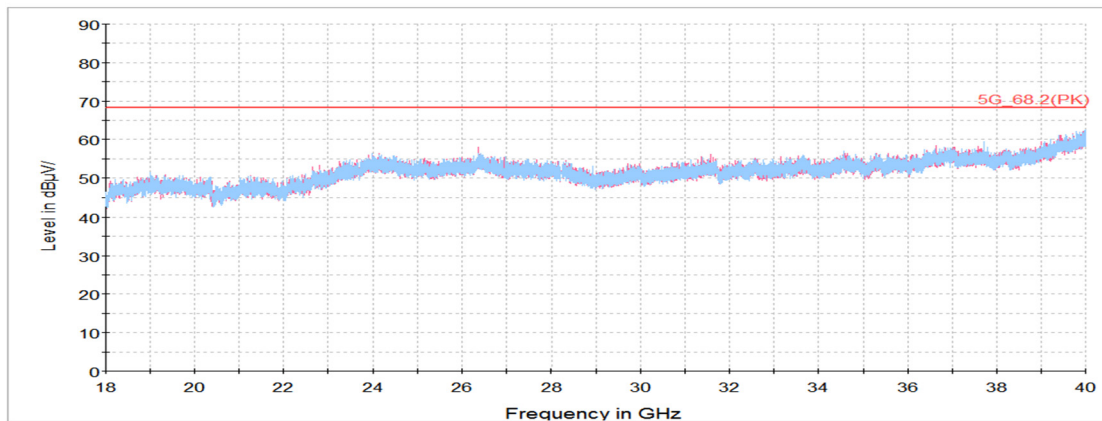
Horizontal/Vertical for 1 GHz ~ 6.5 GHz



Horizontal/Vertical for 6.5 GHz ~ 18 GHz

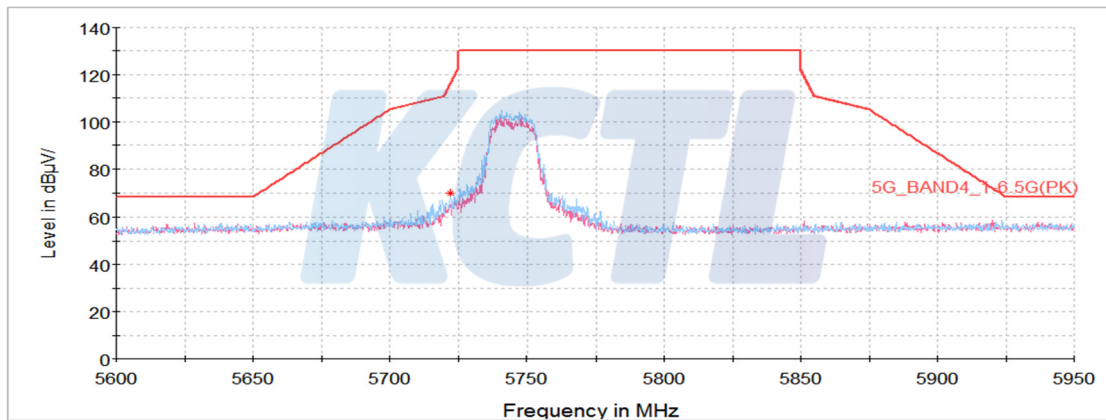


Horizontal/Vertical for 18 GHz ~ 40 GHz

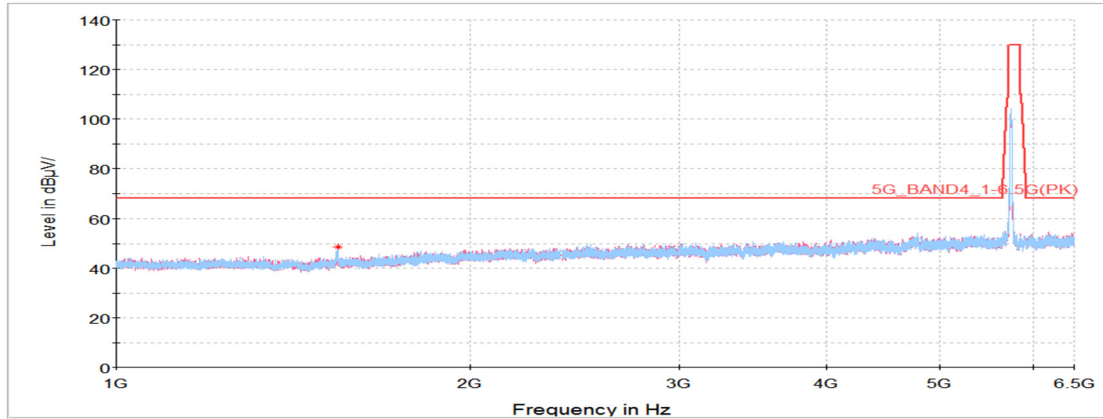


802.11a UNII-3**Lowest Channel (5 745 MHz)**

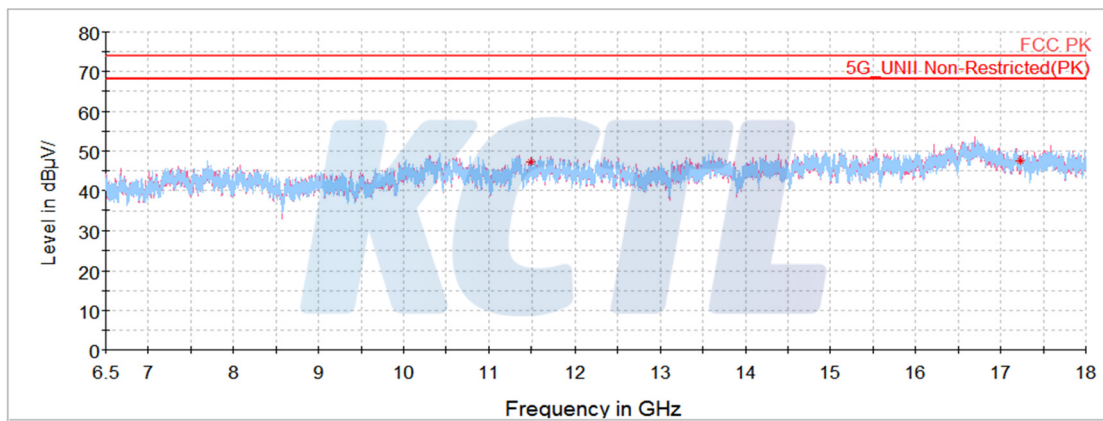
Frequency (MHz)	Pol. (V/H)	Reading (dB(μ V))	Ant. Factor (dB)	Amp.+Cable (dB)	DCCF (dB)	Result (dB(μ V/m))	Limit (dB(μ V/m))	Margin (dB)
Peak data								
1 544.33 ¹⁾	H	71.10	27.55	-50.00	-	48.65	74.00	25.35
5 722.27	H	60.93	34.77	-25.88	-	69.82	115.97	46.14
11 490.28 ¹⁾	V	56.97	38.29	-48.18	-	47.08	74.00	26.92
17 235.25	H	52.74	41.25	-46.64	-	47.35	68.20	20.85
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

