

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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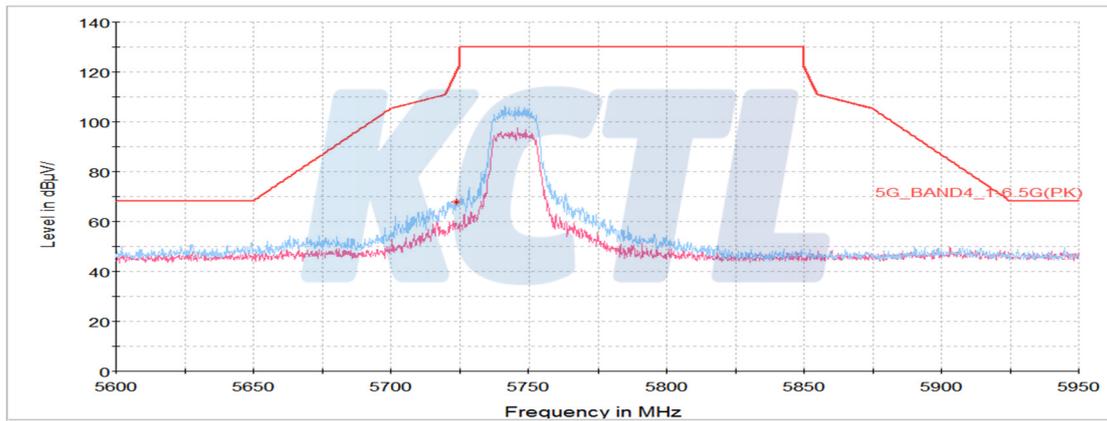


802.11a UNII-3

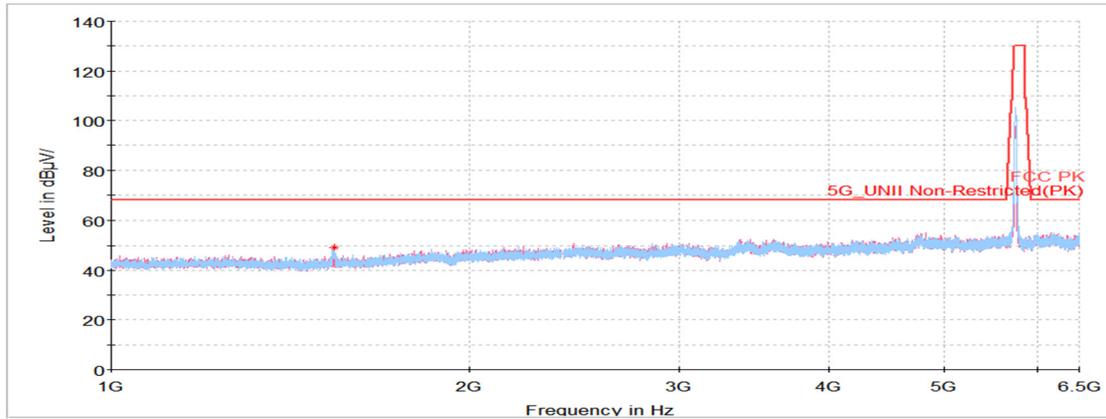
Lowest Channel (5 745 MHz)

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								
1 540.72 ¹⁾	71.14	H	28.25	-50.05	-	49.34	74.00	24.66
5 723.81	76.94	H	35.07	-44.36	-	67.65	119.49	51.84
11 492.44 ¹⁾	58.73	V	38.00	-50.06	-	46.67	74.00	27.33
17 337.67	53.56	H	41.16	-48.07	-	46.65	68.20	21.55
Average Data								
No spurious emissions were detected within 20 dB of the limit.								

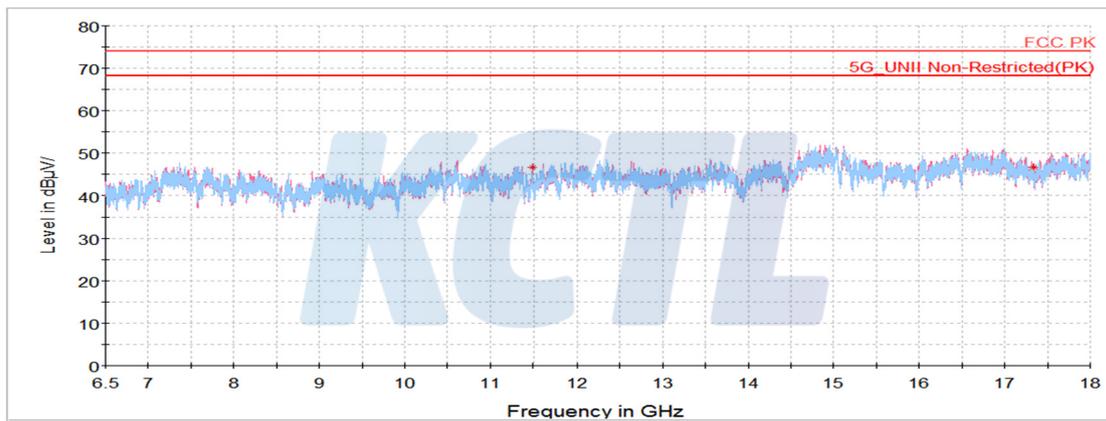
Horizontal/Vertical for Band-edge



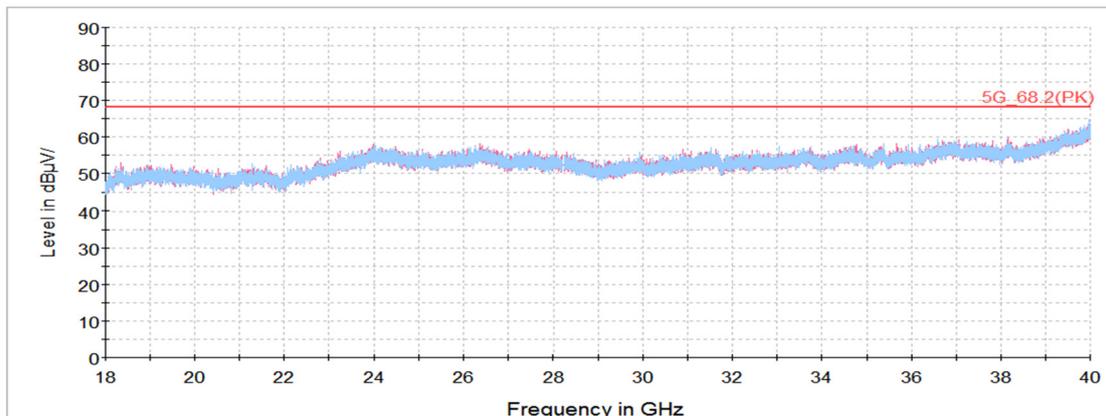
Horizontal/Vertical for 1 GHz ~ 6.5 GHz



Horizontal/Vertical for 6.5 GHz ~ 18 GHz



Horizontal/Vertical for 18 GHz ~ 40 GHz



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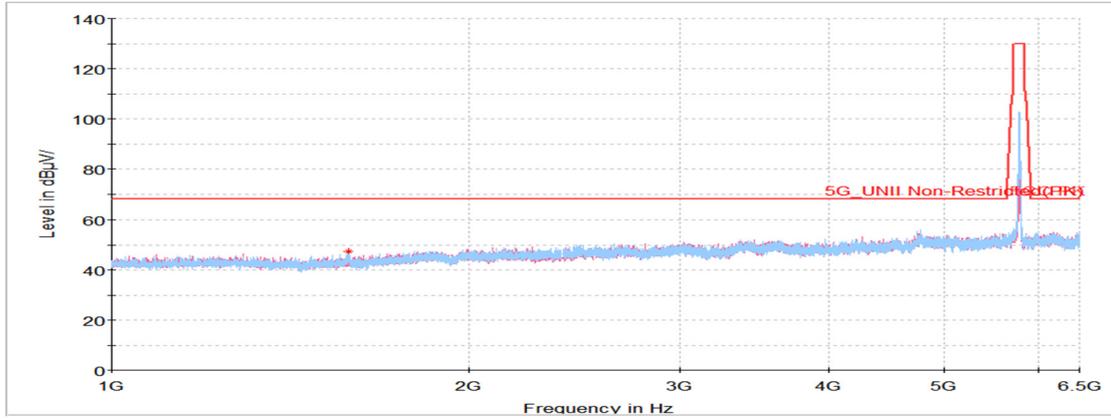
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KCTL**Middle Channel (5 785 MHz)**

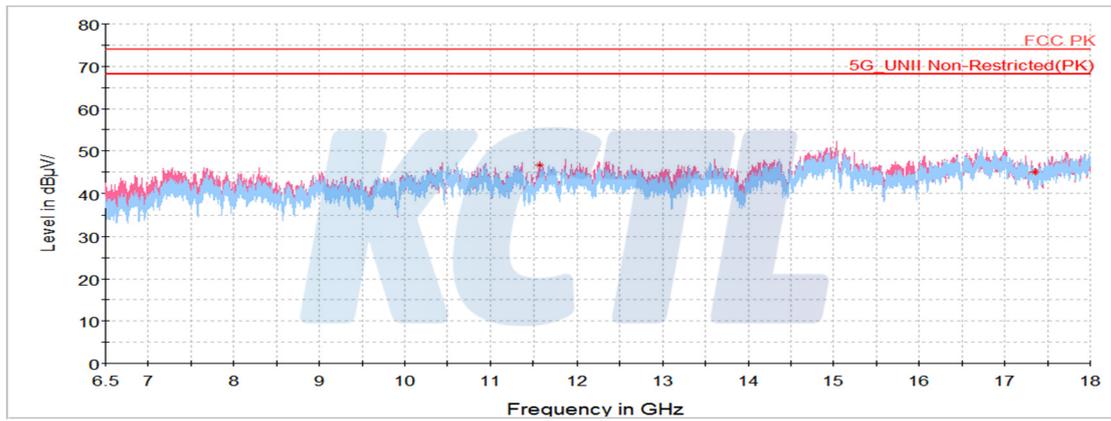
Frequency (MHz)	Reading (dB(μ V))	Pol. (V/H)	Ant. Factor (dB)	Amp.+Cable (dB)	DCCF (dB)	Result (dB(μ V/m))	Limit (dB(μ V/m))	Margin (dB)
Peak data								
1 582.48 ¹⁾	68.84	H	28.51	-50.09	-	47.26	74.00	26.74
11 571.50 ¹⁾	58.63	V	38.09	-50.10	-	46.62	74.00	27.38
17 357.80	52.01	V	41.16	-48.14	-	45.03	68.20	23.17
Average Data								
No spurious emissions were detected within 20 dB of the limit.								

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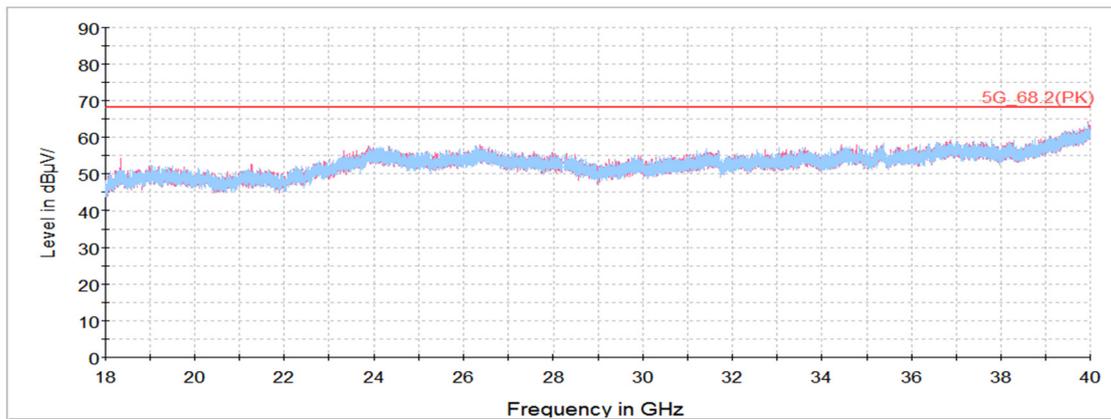
Horizontal/Vertical for 1 GHz ~ 6.5 GHz



Horizontal/Vertical for 6.5 GHz ~ 18 GHz



Horizontal/Vertical for 18 GHz ~ 40 GHz



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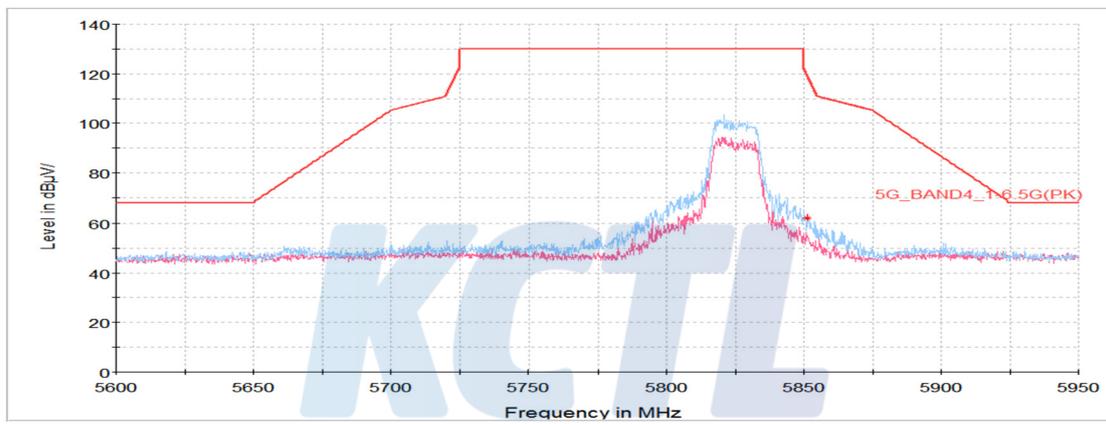
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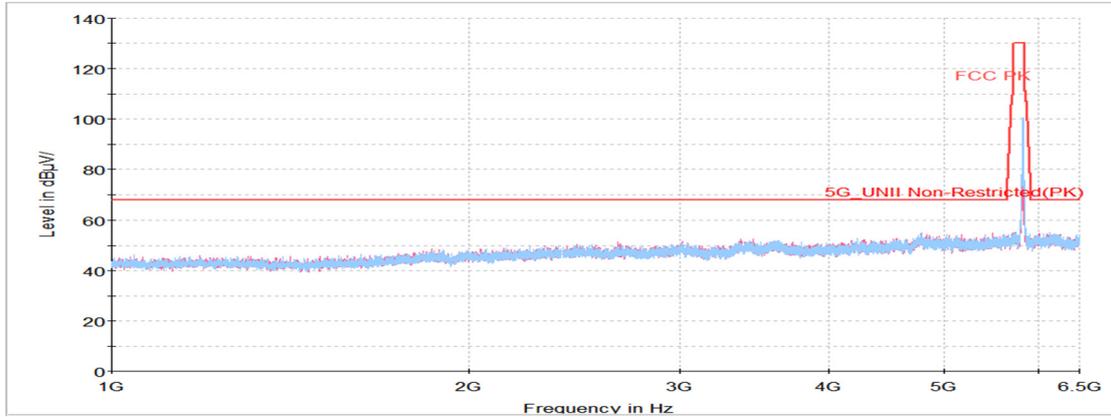
Highest Channel (5 825 MHz)

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								
5 851.34	53.54	H	35.22	-26.67	-	62.09	119.14	57.05
11 650.56 ¹⁾	58.78	V	38.18	-50.15	-	46.81	74.00	27.19
17 476.75	53.30	V	41.11	-48.55	-	45.86	68.20	22.34
Average Data								
No spurious emissions were detected within 20 dB of the limit.								

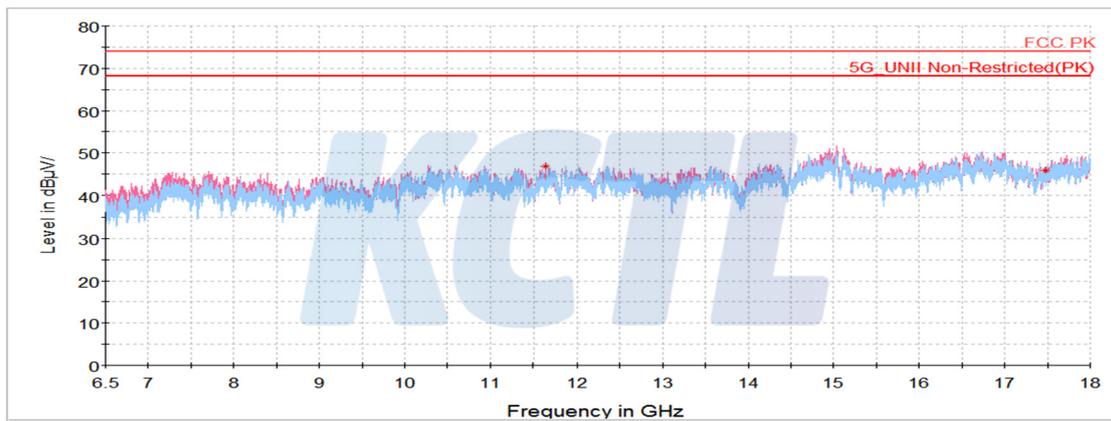
Horizontal/Vertical for Band-edge



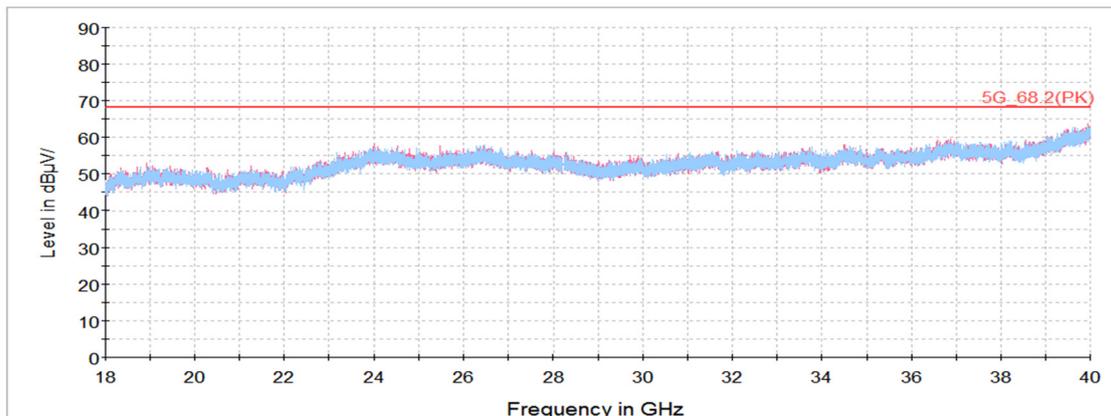
Horizontal/Vertical for 1 GHz ~ 6.5 GHz



Horizontal/Vertical for 6.5 GHz ~ 18 GHz



Horizontal/Vertical for 18 GHz ~ 40 GHz



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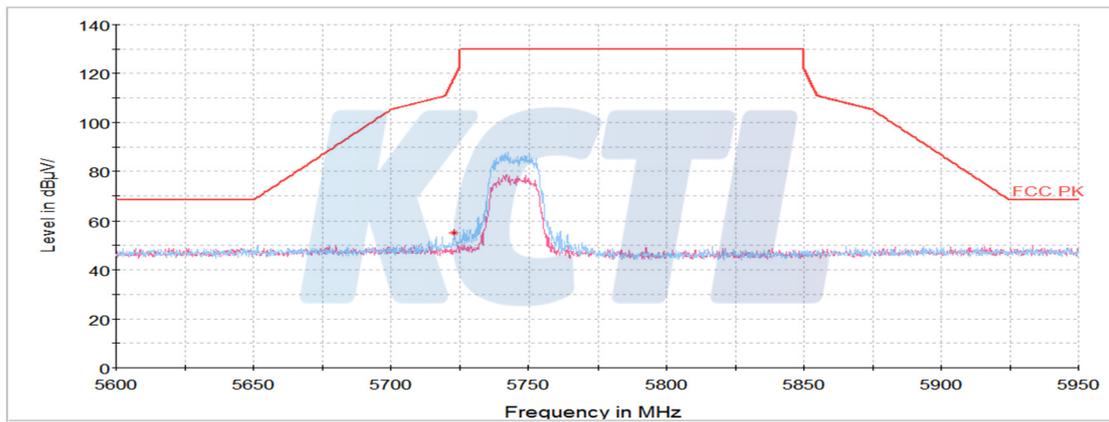
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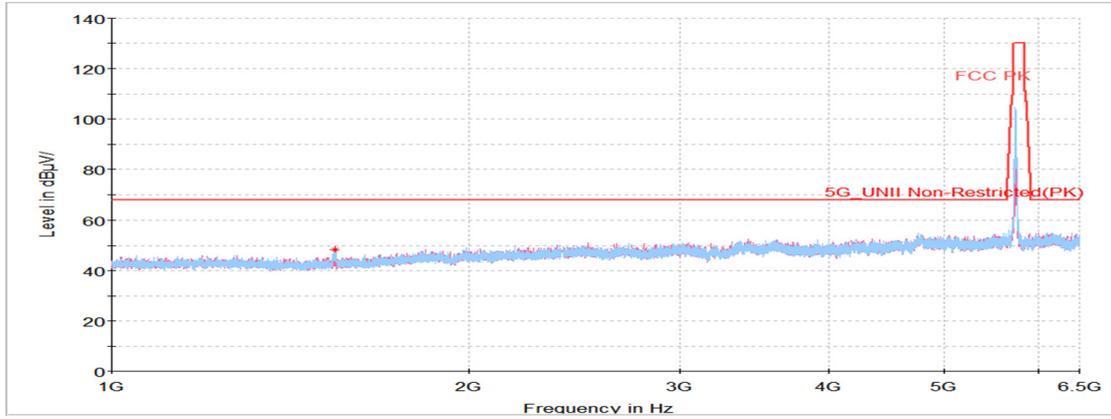
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KCTL**802.11n HT20 UNII-3****Lowest Channel (5 745 MHz)**

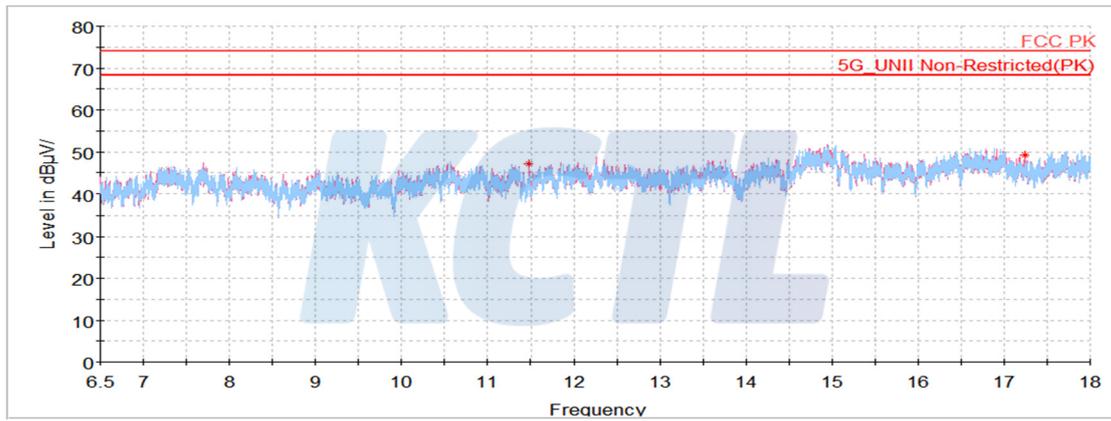
Frequency (MHz)	Reading (dB(μ V))	Pol. (V/H)	Ant. Factor (dB)	Amp.+Cable (dB)	DCCF (dB)	Result (dB(μ V/m))	Limit (dB(μ V/m))	Margin (dB)
Peak data								
1 540.20 ¹⁾	70.10	H	28.25	-50.05	-	48.30	74.00	25.70
5 722.95	64.64	H	35.07	-44.35	-	55.36	117.53	62.17
11 489.20 ¹⁾	59.20	V	37.99	-50.07	-	47.12	74.00	26.88
17 241.72	55.81	V	41.20	-47.74	-	49.27	68.20	18.93
Average Data								
No spurious emissions were detected within 20 dB of the limit.								

Horizontal/Vertical for Band-edge

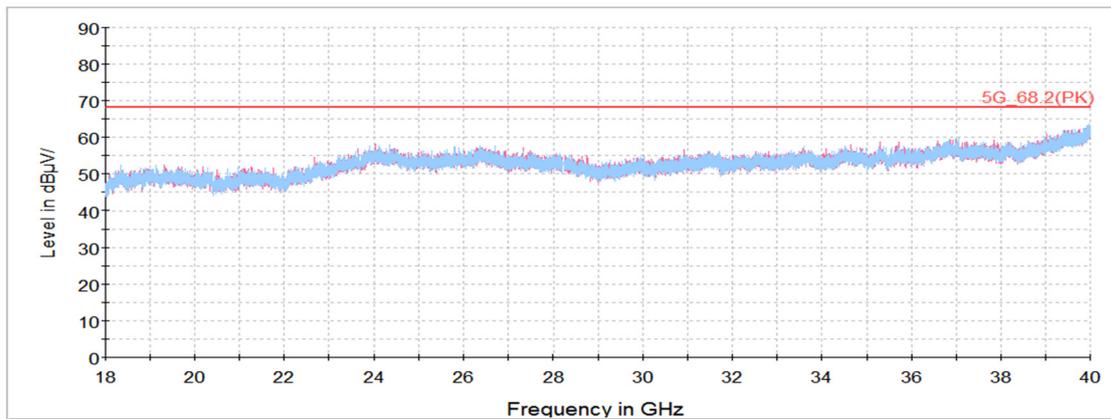
Horizontal/Vertical for 1 GHz ~ 6.5 GHz



Horizontal/Vertical for 6.5 GHz ~ 18 GHz



Horizontal/Vertical for 18 GHz ~ 40 GHz



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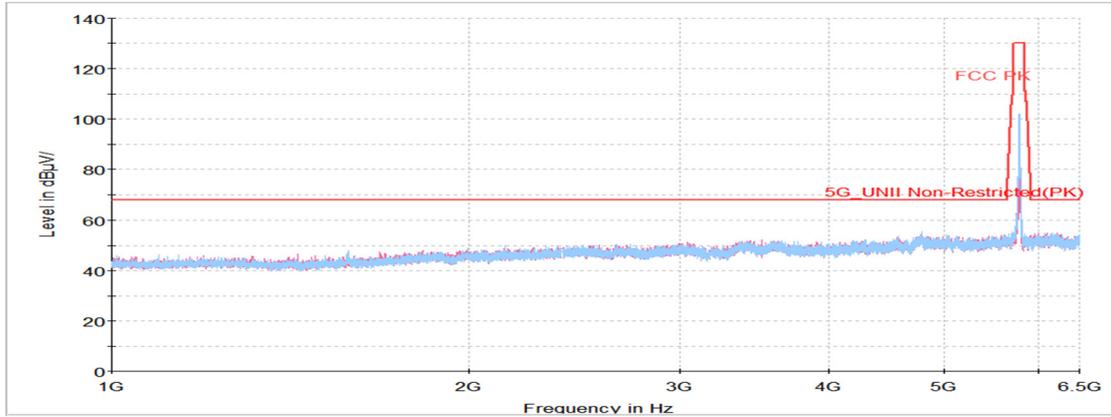
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**Middle Channel (5 785 MHz)**

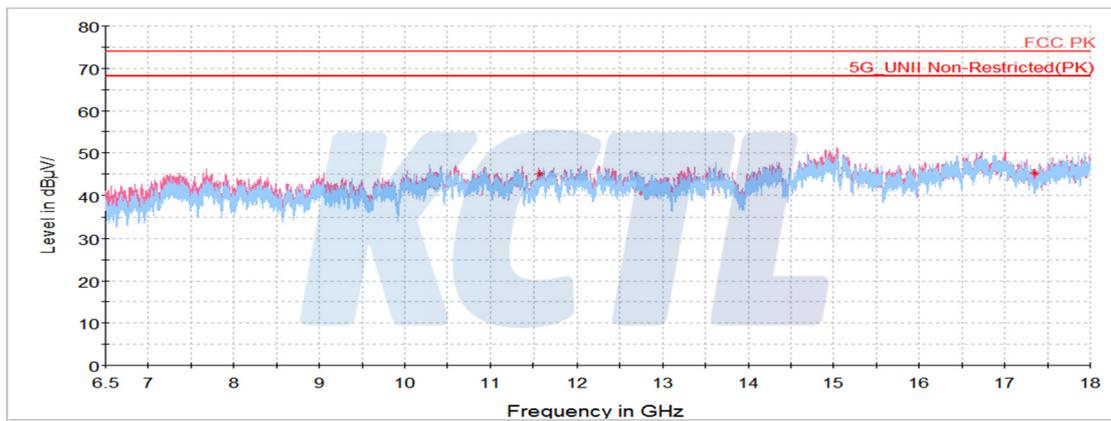
Frequency (MHz)	Reading (dB(μ V))	Pol. (V/H)	Ant. Factor (dB)	Amp.+Cable (dB)	DCCF (dB)	Result (dB(μ V/m))	Limit (dB(μ V/m))	Margin (dB)
Peak data								
11 571.50 ¹⁾	56.95	V	38.09	-50.10	-	44.94	74.00	29.06
17 354.20	52.10	V	41.16	-48.13	-	45.13	68.20	23.07
Average Data								
No spurious emissions were detected within 20 dB of the limit.								



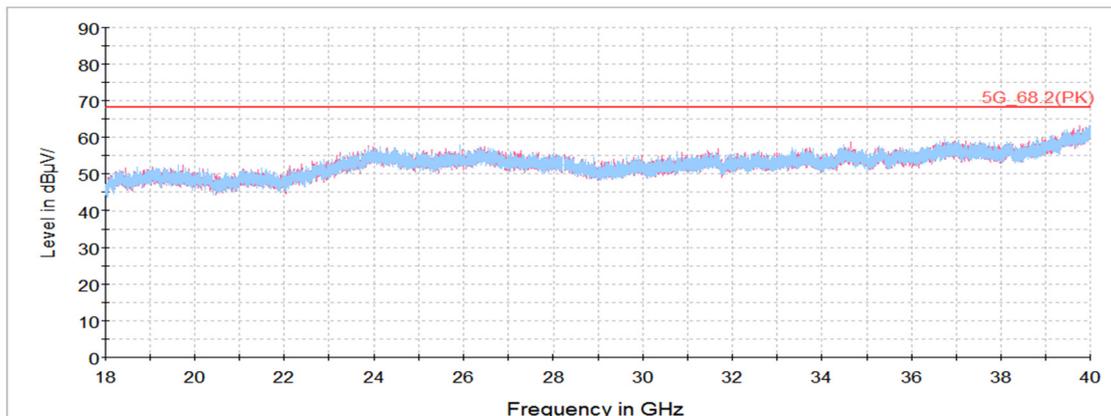
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Horizontal/Vertical for 6.5 GHz ~ 18 GHz



Horizontal/Vertical for 18 GHz ~ 40 GHz



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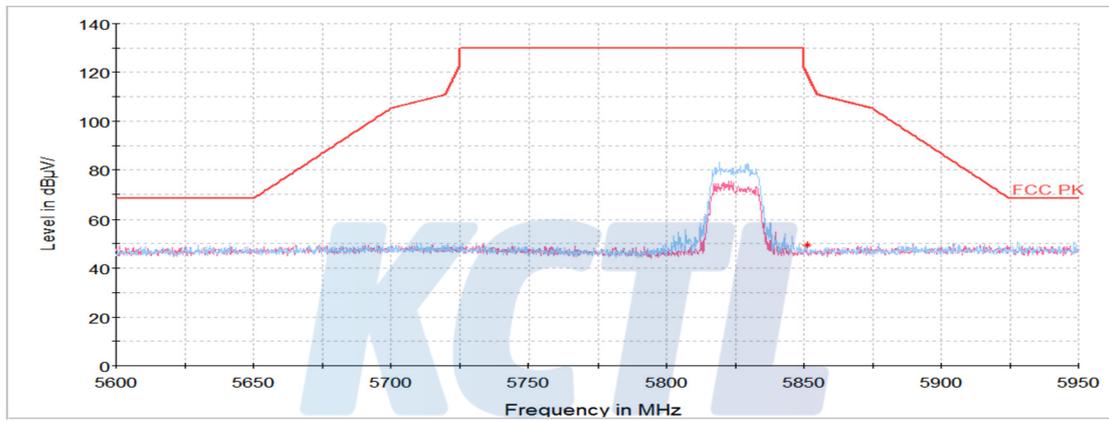
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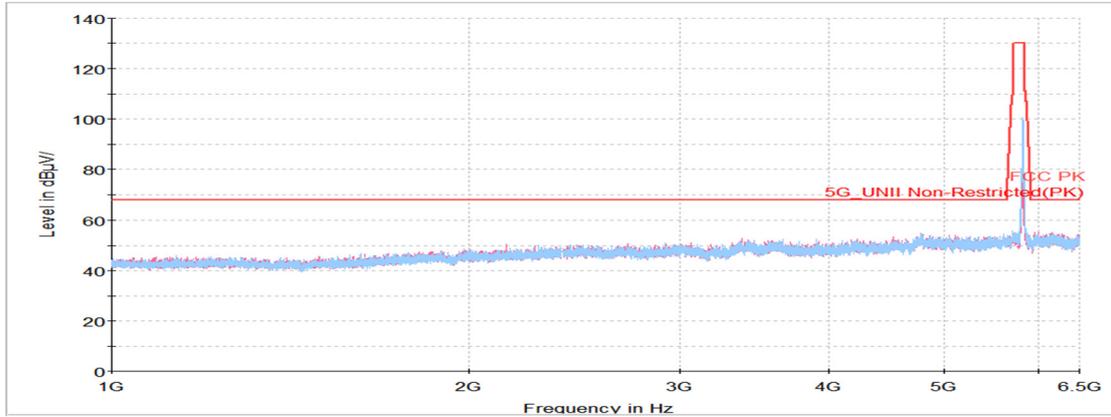
Highest Channel (5 825 MHz)

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								
5 851.17	40.88	H	35.22	-26.67	-	49.43	119.53	70.10
11 648.77 ¹⁾	57.87	V	38.18	-50.15	-	45.90	74.00	28.10
17 474.59	53.74	V	41.11	-48.54	-	46.31	68.20	21.89
Average Data								
No spurious emissions were detected within 20 dB of the limit.								

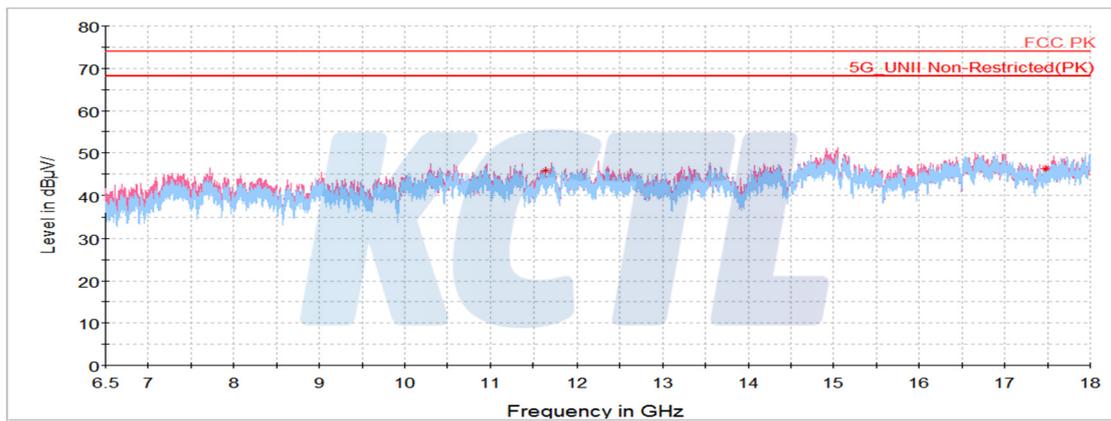
Horizontal/Vertical for Band-edge



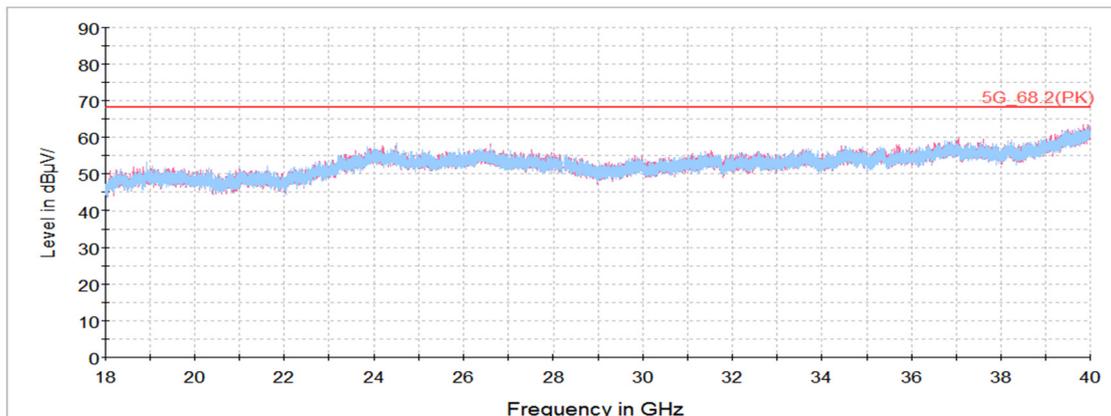
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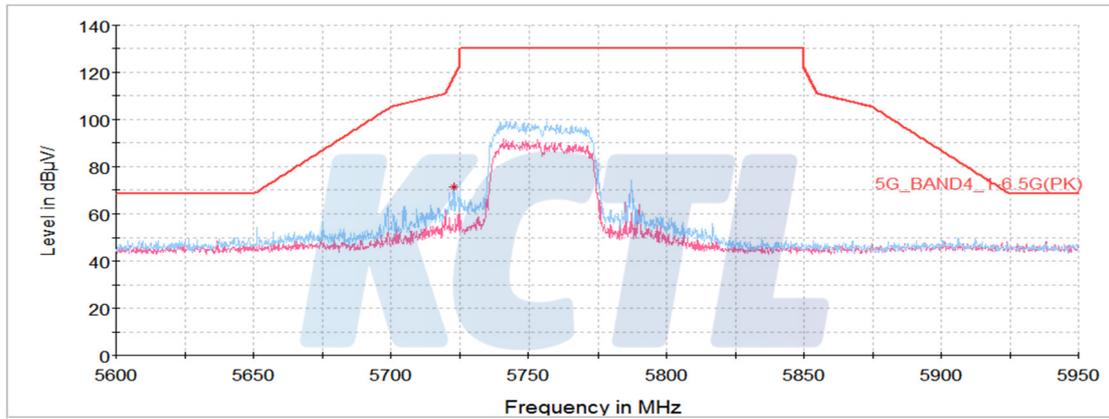


802.11n HT40 UNII-3

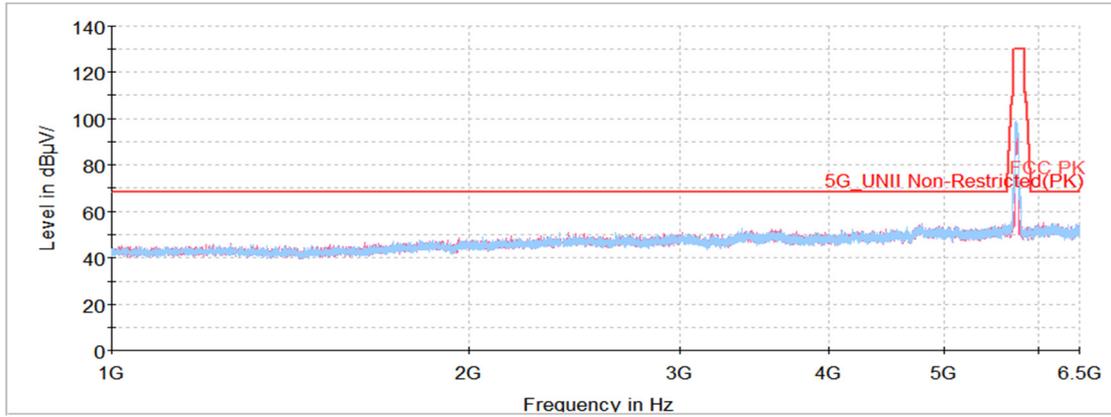
Lowest Channel (5 755 MHz)

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								
5 723.13	61.97	H	35.07	-25.89	-	71.15	117.93	46.78
11 510.41 ¹⁾	54.77	V	38.01	-50.06	-	42.72	74.00	31.28
17 265.44	54.16	H	41.19	-47.82	-	47.53	68.20	20.67
Average Data								
No spurious emissions were detected within 20 dB of the limit.								

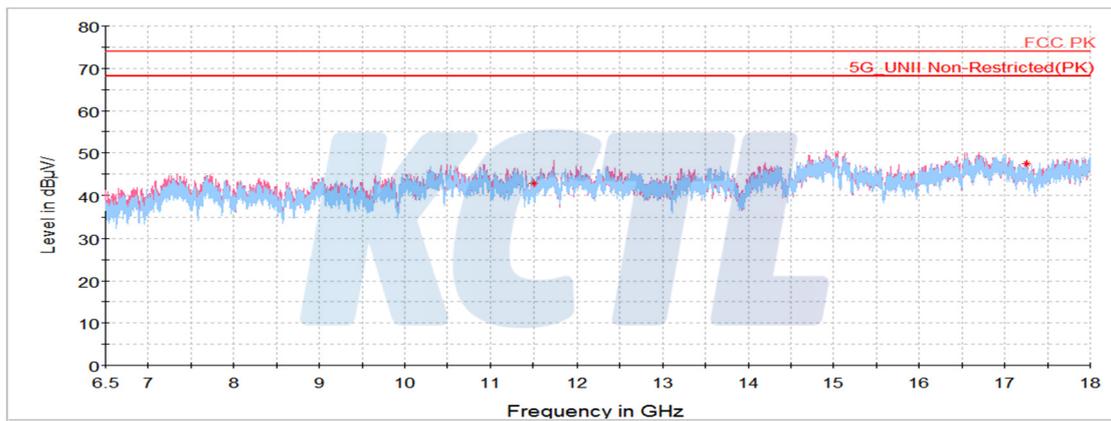
Horizontal/Vertical for Band-edge



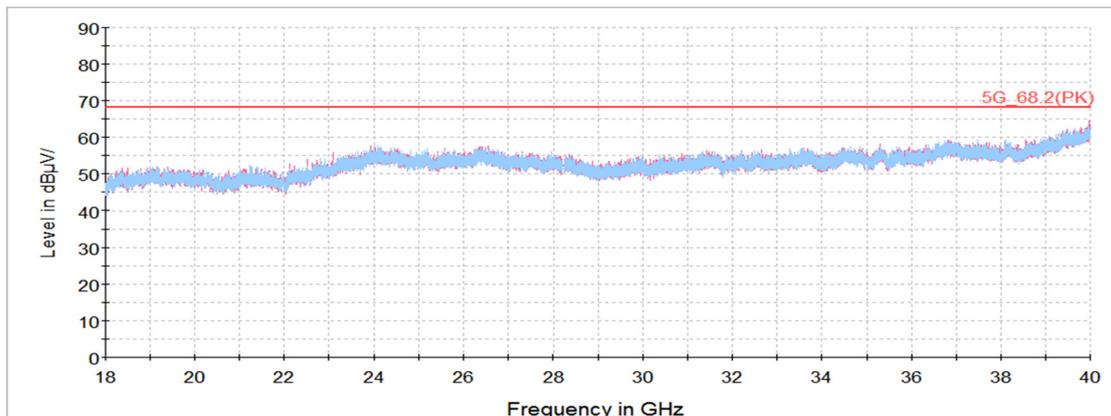
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Highest Channel (5 795 MHz)

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								
5 852.72	42.90	H	35.22	-26.66	-	51.46	116.00	64.54
11 588.39 ¹⁾	58.43	V	38.11	-50.11	-	46.43	74.00	27.57
17 385.47	52.86	V	41.15	-48.24	-	45.77	68.20	22.43
Average Data								
No spurious emissions were detected within 20 dB of the limit.								

Horizontal/Vertical for Band-edge

