

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

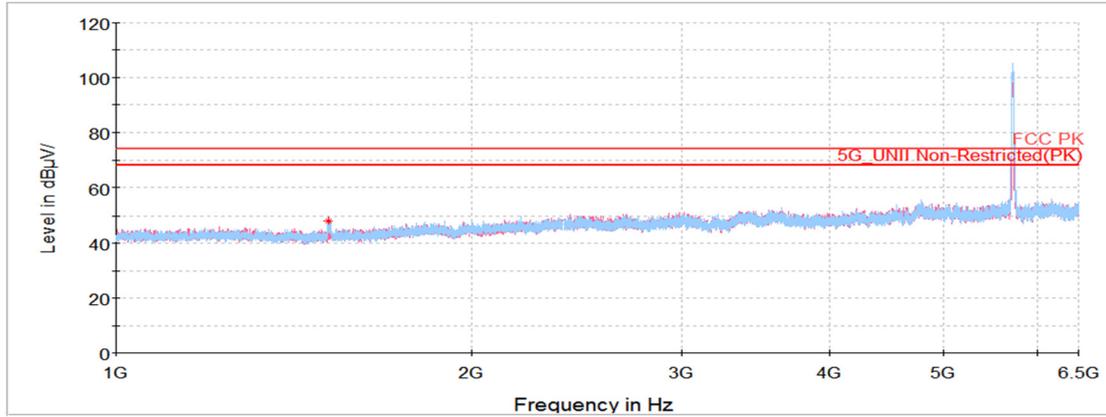
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KCTL**Straddle Channel (5 720 MHz)**

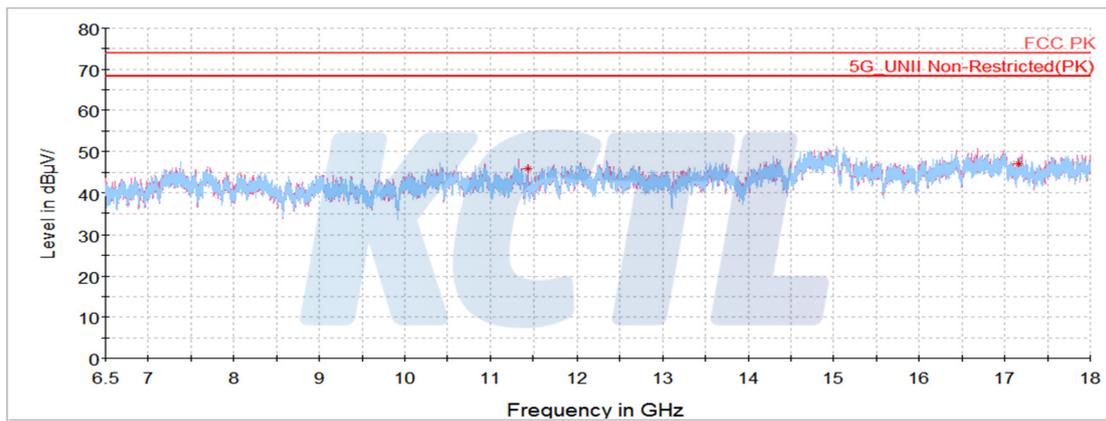
Frequency (MHz)	Reading (dB(μ V))	Pol. (V/H)	Ant. Factor (dB)	Amp.+Cable (dB)	DCCF (dB)	Result (dB(μ V/m))	Limit (dB(μ V/m))	Margin (dB)
Peak data								
1 513.73 ¹⁾	69.91	H	28.09	-50.03	-	47.97	74.00	26.03
11 441.05 ¹⁾	57.98	V	37.96	-50.14	-	45.80	74.00	28.20
17 159.78	53.28	H	41.24	-47.46	-	47.06	68.20	21.14
Average Data								
No spurious emissions were detected within 20 dB of the limit.								

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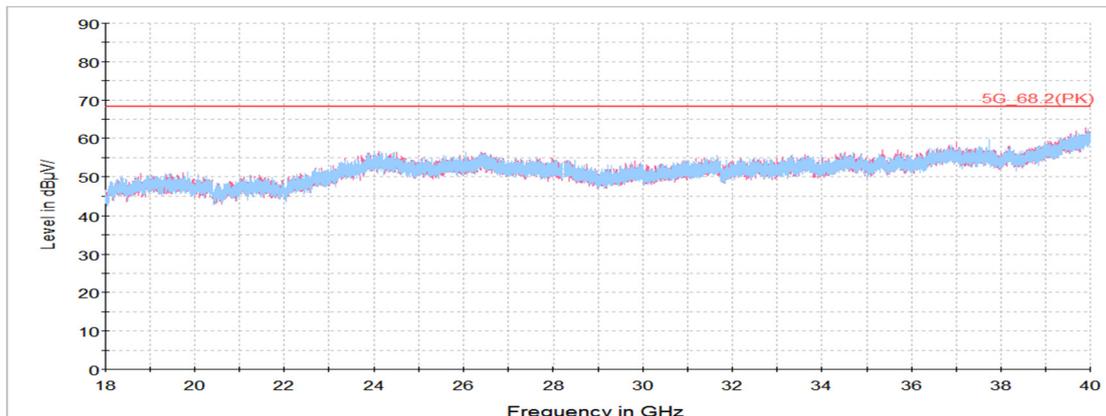
Horizontal/Vertical for 1 GHz ~ 6.5 GHz



Horizontal/Vertical for 6.5 GHz ~ 18 GHz



Horizontal/Vertical for 18 GHz ~ 40 GHz



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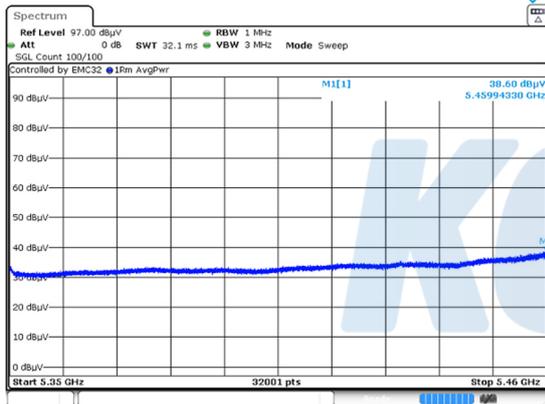


802.11ac VHT40 UNII-2C

Lowest Channel (5 510 MHz)

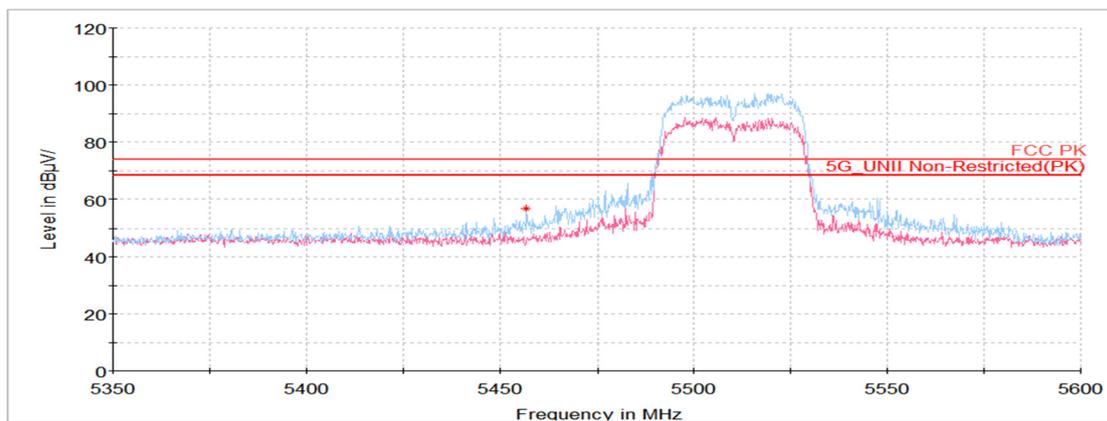
Frequency	Reading	Pol.	Ant. Factor	Amp.+Cable	DCCF	Result	Limit	Margin
(MHz)	(dB(μ V))	(V/H)	(dB)	(dB)	(dB)	(dB(μ V/m))	(dB(μ V/m))	(dB)
Peak data								
5 459.94 ¹⁾	49.17	H	34.74	-27.35	-	56.56	74.00	17.44
11 020.94 ¹⁾	57.38	V	37.71	-50.72	-	44.37	74.00	29.63
16 530.52	54.05	V	41.53	-46.77	-	48.81	68.20	19.39
Average Data								
5 459.94 ¹⁾	38.60	H	34.74	-27.35	0.10	46.09	54.00	7.91

Average data

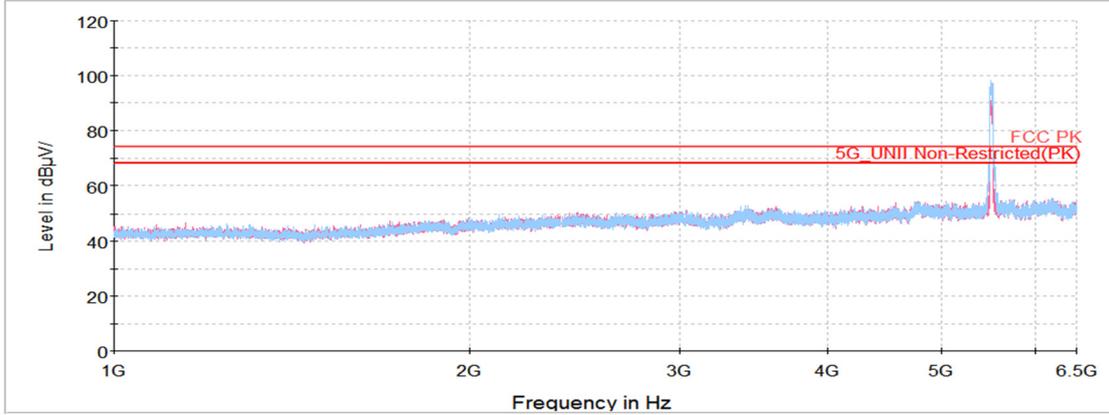


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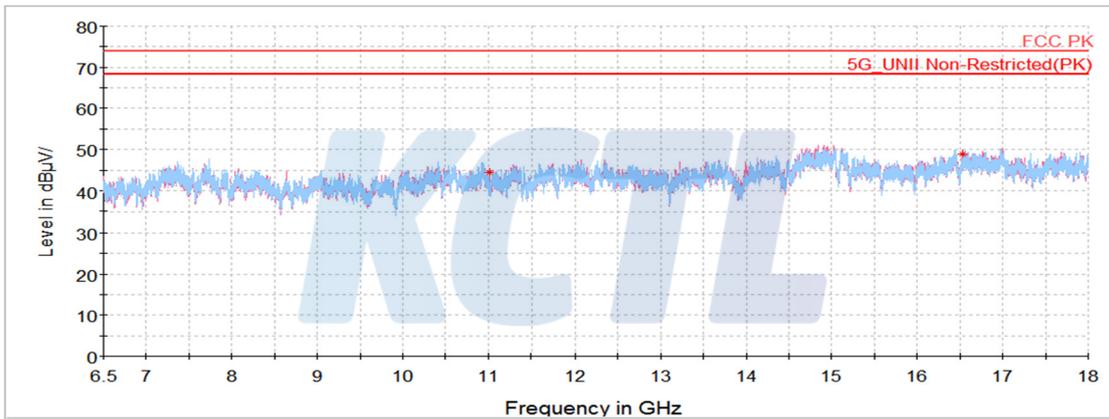
Horizontal/Vertical for Band-edge



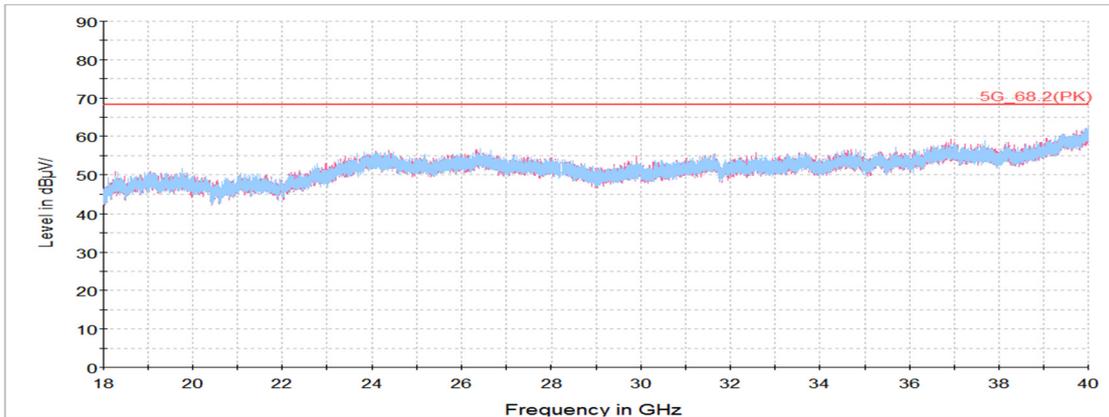
Horizontal/Vertical for 1 GHz ~ 6.5 GHz



Horizontal/Vertical for 6.5 GHz ~ 18 GHz



Horizontal/Vertical for 18 GHz ~ 40 GHz



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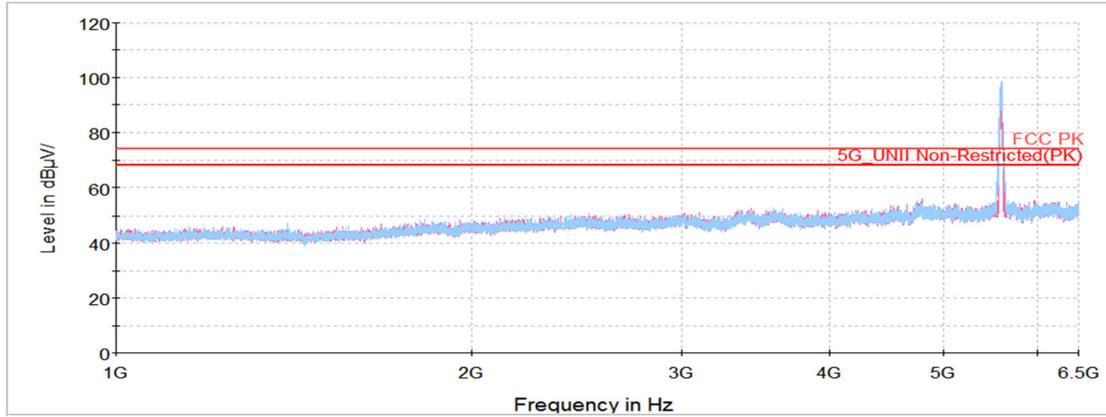
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**Middle Channel (5 590 MHz)**

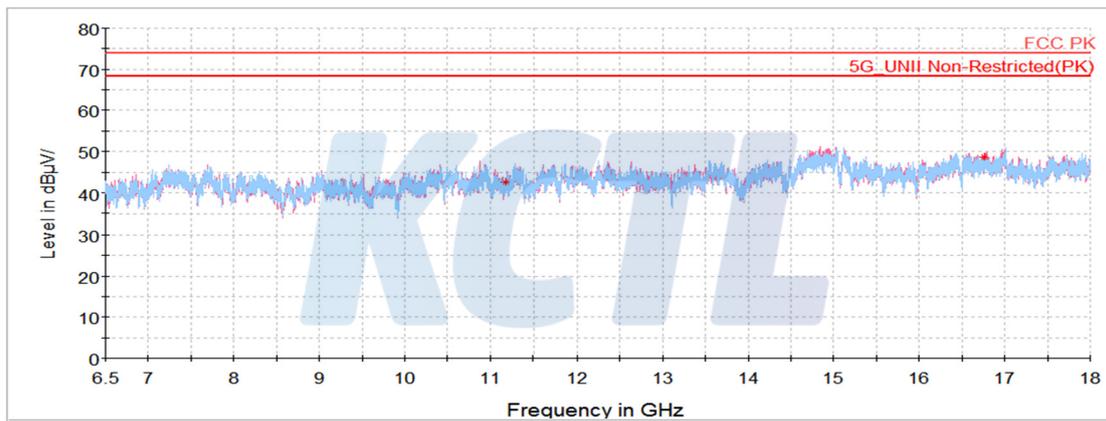
Frequency (MHz)	Reading (dB(μ V))	Pol. (V/H)	Ant. Factor (dB)	Amp.+Cable (dB)	DCCF (dB)	Result (dB(μ V/m))	Limit (dB(μ V/m))	Margin (dB)
Peak data								
11 179.42 ¹⁾	55.36	V	37.81	-50.50	-	42.67	74.00	31.33
16 770.22	53.79	H	41.77	-46.84	-	48.72	68.20	19.48
Average Data								
No spurious emissions were detected within 20 dB of the limit.								



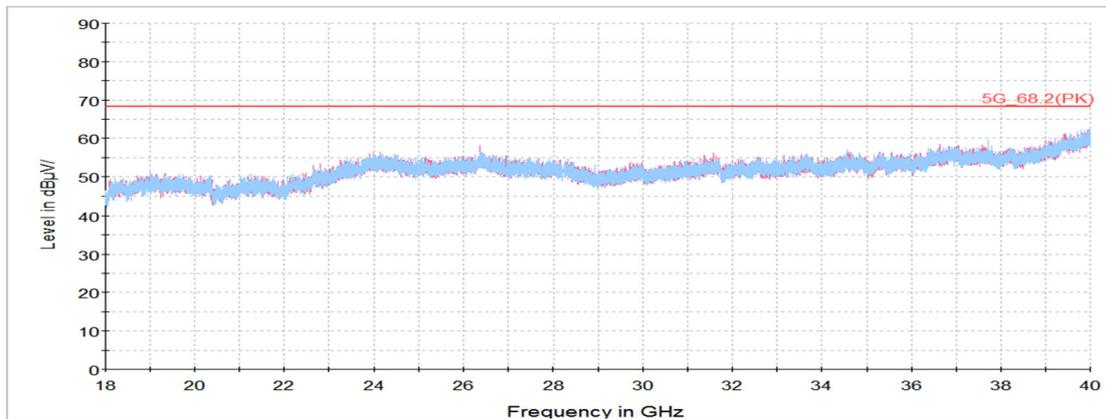
Horizontal/Vertical for 1 GHz ~ 6.5 GHz



Horizontal/Vertical for 6.5 GHz ~ 18 GHz



Horizontal/Vertical for 18 GHz ~ 40 GHz



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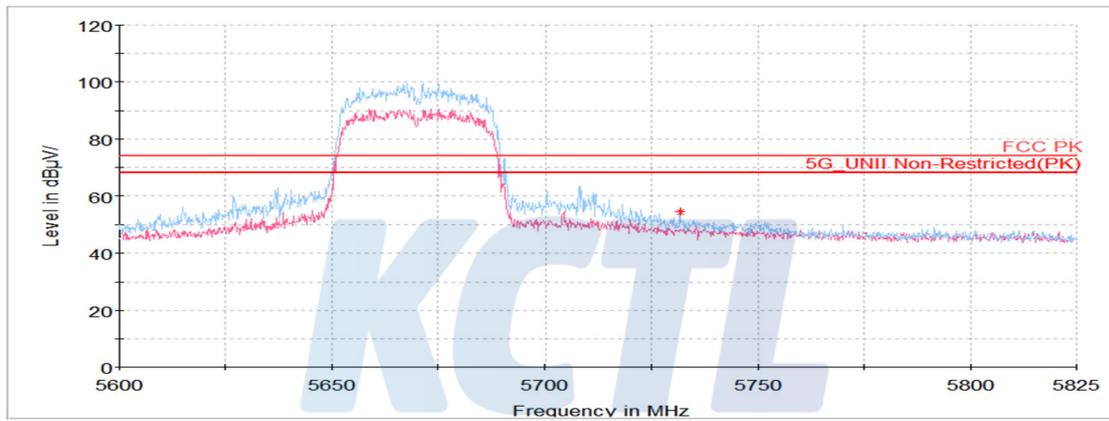
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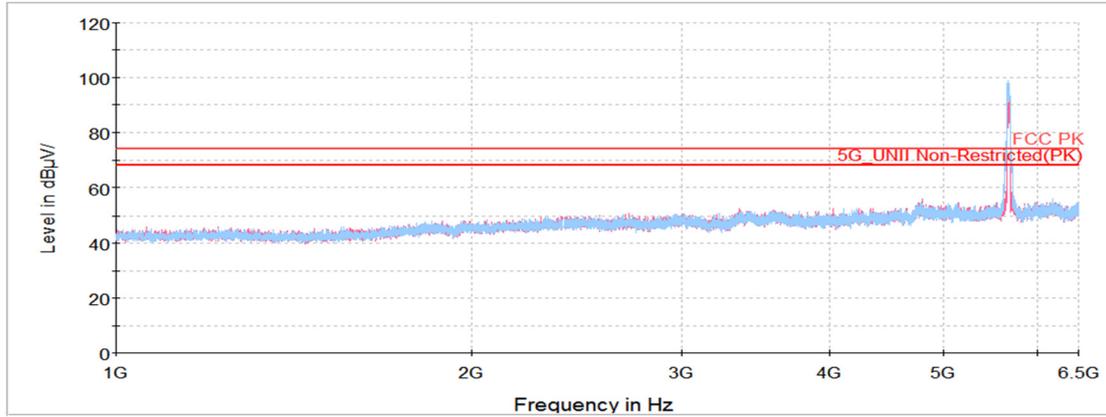
Highest Channel (5 670 MHz)

Frequency (MHz)	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								
5 731.72	45.27	H	35.08	-26.01	-	54.34	68.20	13.86
11 340.42 ¹⁾	57.40	V	37.90	-50.28	-	45.02	74.00	28.98
17 010.28	54.40	V	41.30	-46.94	-	48.76	68.20	19.44
Average Data								
No spurious emissions were detected within 20 dB of the limit.								

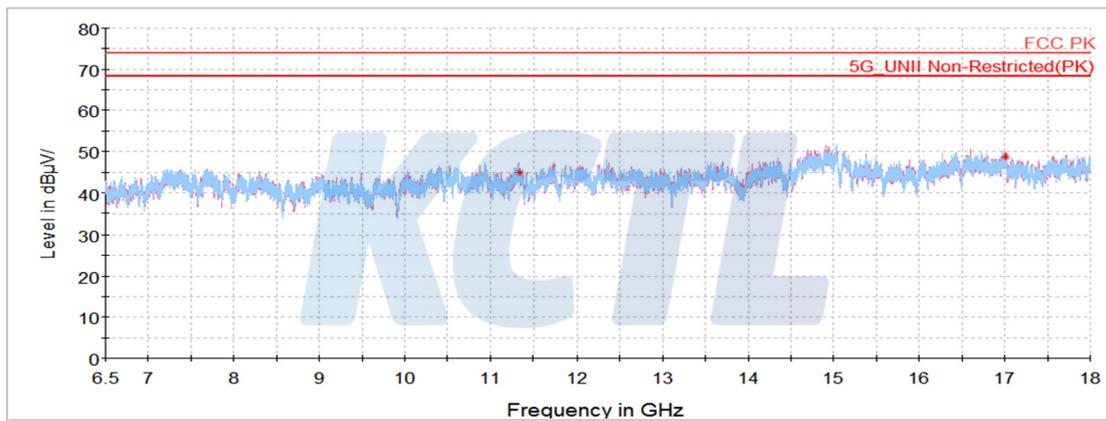
Horizontal/Vertical for Band-edge



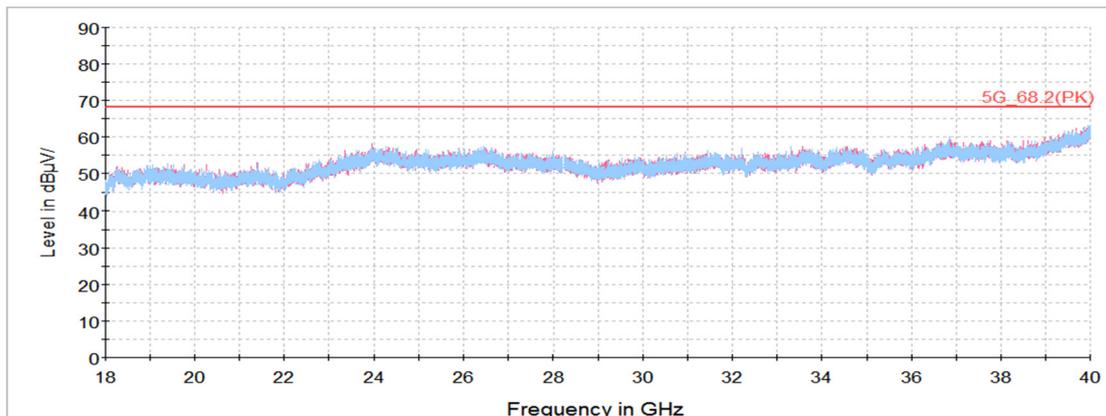
Horizontal/Vertical for 1 GHz ~ 6.5 GHz



Horizontal/Vertical for 6.5 GHz ~ 18 GHz



Horizontal/Vertical for 18 GHz ~ 40 GHz



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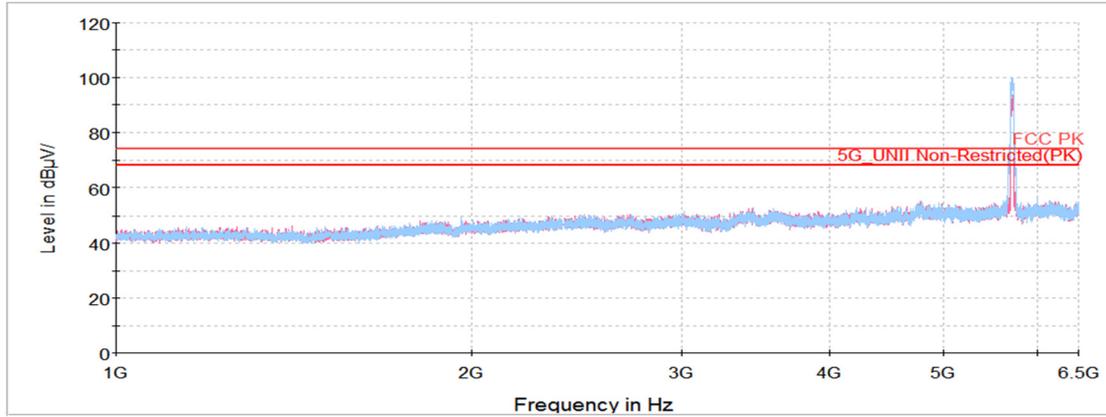
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**Straddle Channel (5 710 MHz)**

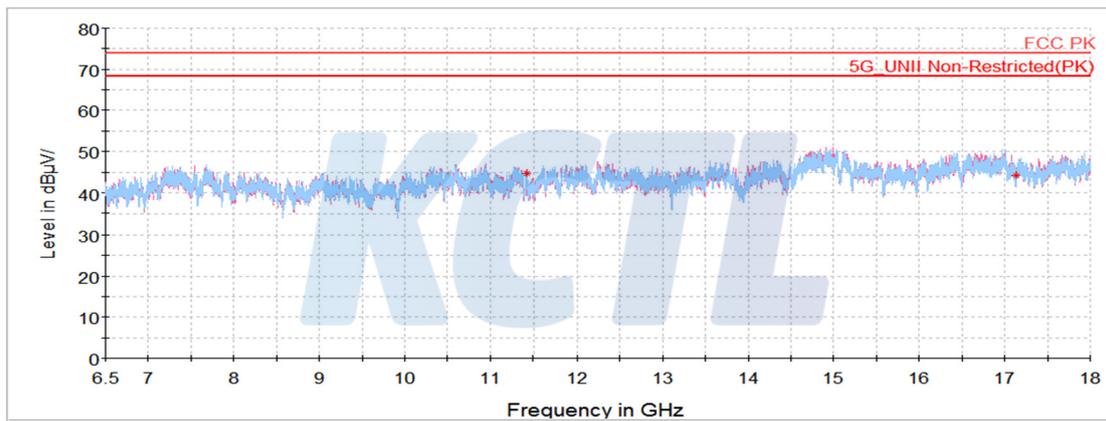
Frequency (MHz)	Reading (dB(μ V))	Pol. (V/H)	Ant. Factor (dB)	Amp.+Cable (dB)	DCCF (dB)	Result (dB(μ V/m))	Limit (dB(μ V/m))	Margin (dB)
Peak data								
11 419.84 ¹⁾	56.94	V	37.95	-50.16	-	44.73	74.00	29.27
17 130.67	50.39	H	41.25	-47.36	-	44.28	68.20	23.92
Average Data								
No spurious emissions were detected within 20 dB of the limit.								



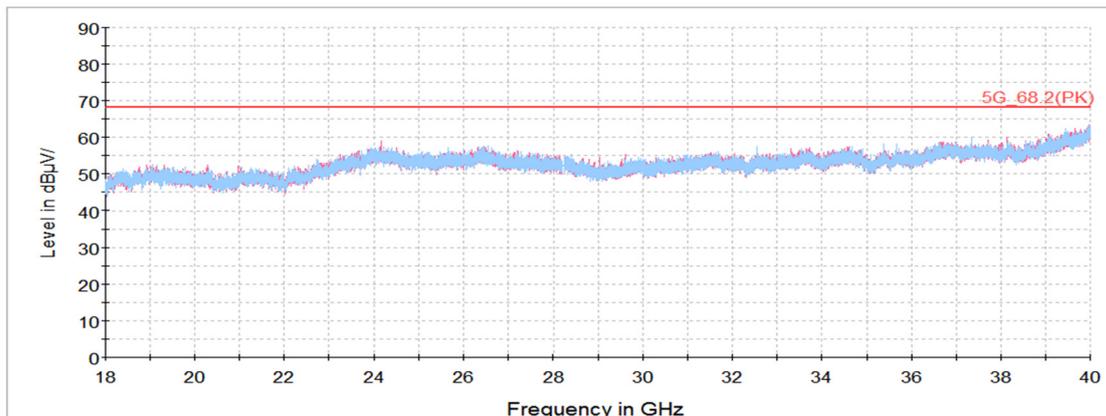
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Horizontal/Vertical for 6.5 GHz ~ 18 GHz



Horizontal/Vertical for 18 GHz ~ 40 GHz



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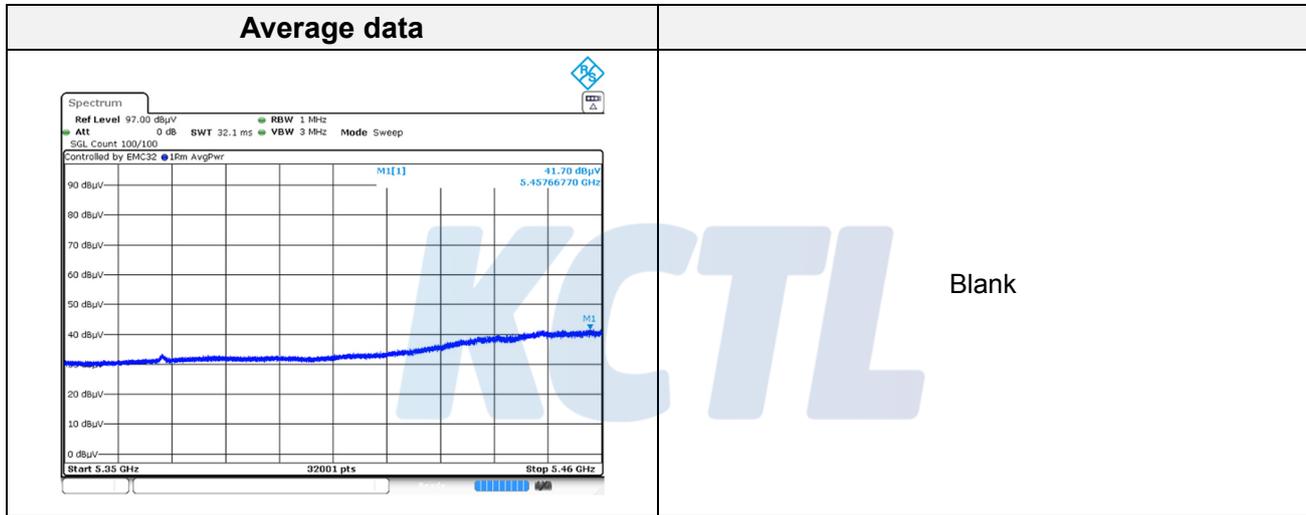
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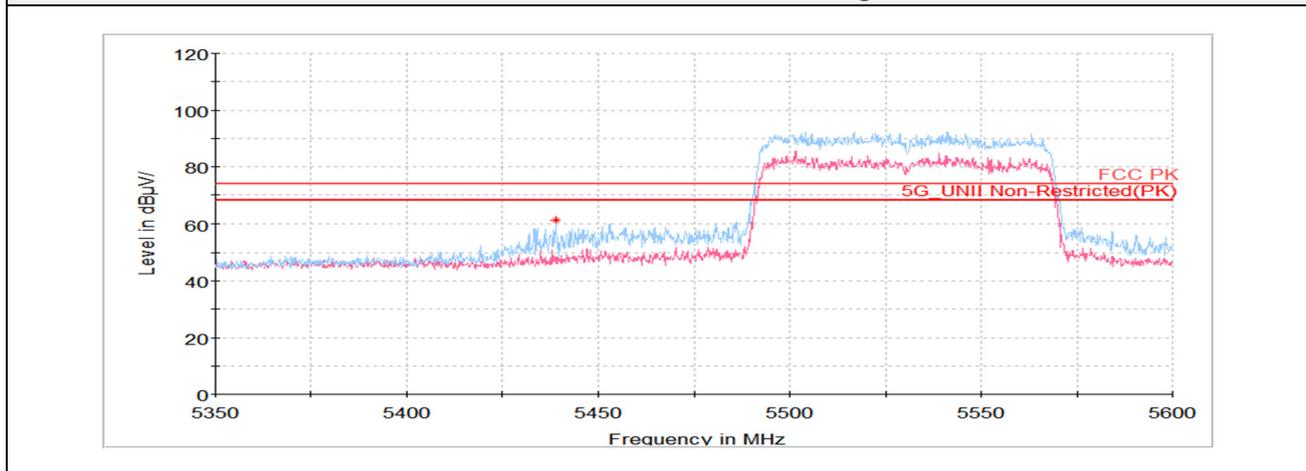
802.11ac VHT80 UNII-2C

Lowest Channel (5 530 MHz)

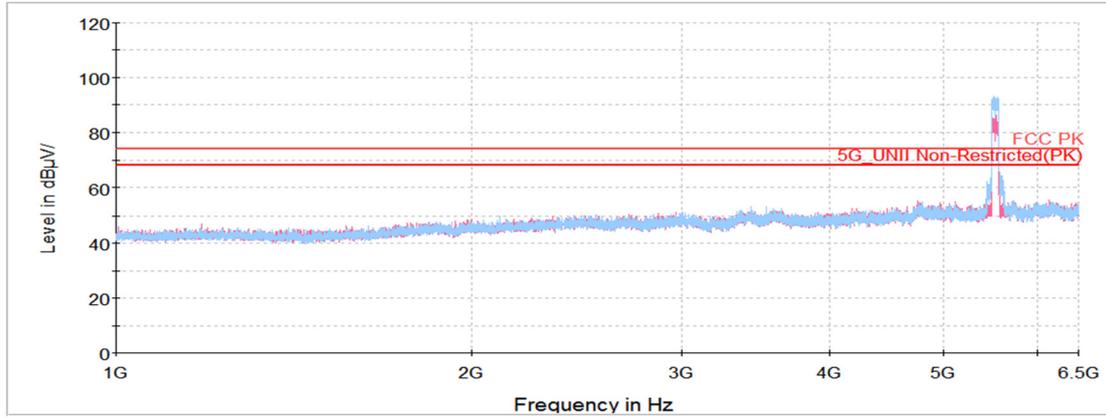
Frequency	Reading	Pol.	Ant. Factor	Amp.+Cable	DCCF	Result	Limit	Margin
(MHz)	(dB(μV))	(V/H)	(dB)	(dB)	(dB)	(dB(μV/m))	(dB(μV/m))	(dB)
Peak data								
5 457.67 ¹⁾	53.80	H	34.73	-27.33	-	61.20	74.00	12.80
11 060.11 ¹⁾	58.67	V	37.74	-50.67	-	45.74	74.00	28.26
16 589.09	54.24	V	41.59	-46.79	-	49.04	68.20	19.16
Average Data								
5 457.67 ¹⁾	41.70	H	34.73	-27.33	0.22	49.32	54.00	4.68



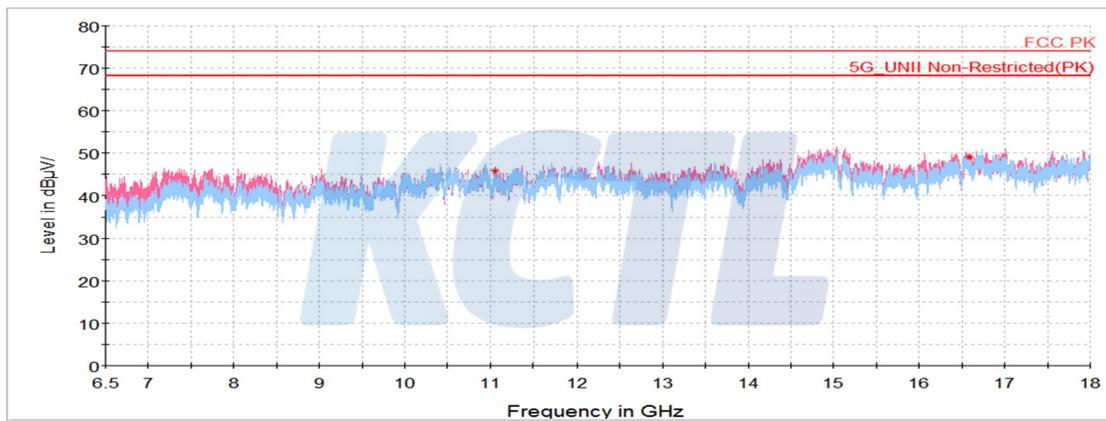
Horizontal/Vertical for Band-edge



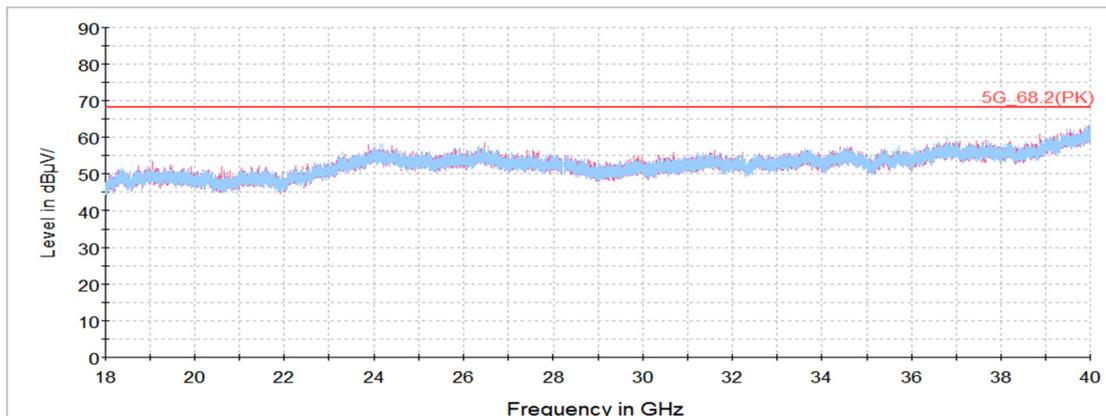
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Horizontal/Vertical for 18 GHz ~ 40 GHz



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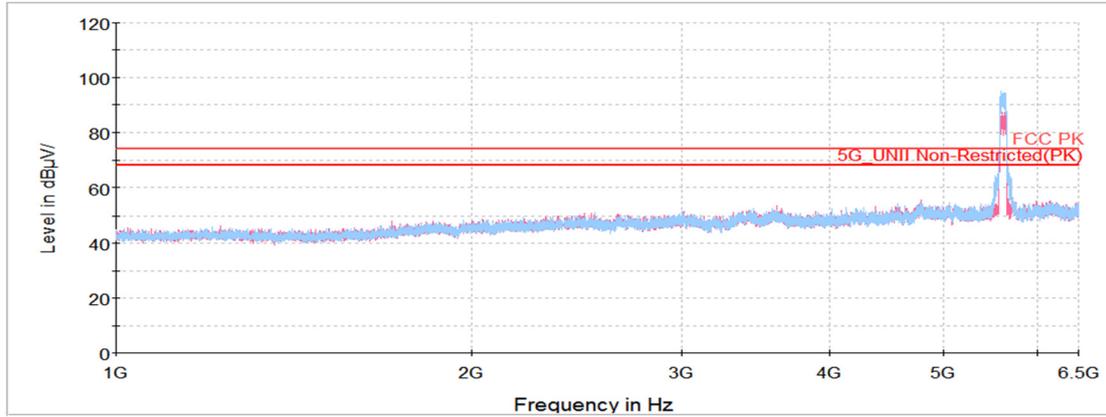
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**Highest Channel (5 610 MHz)**

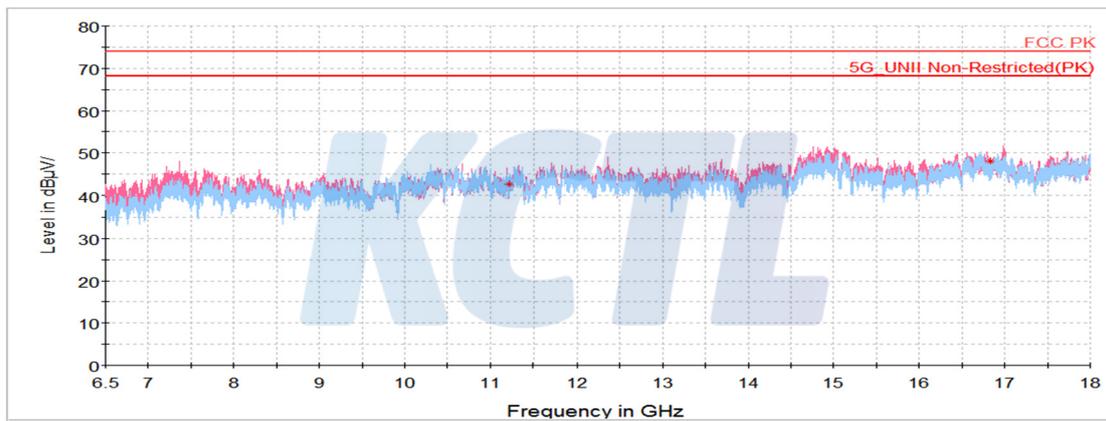
Frequency (MHz)	Reading (dB(μ V))	Pol. (V/H)	Ant. Factor (dB)	Amp.+Cable (dB)	DCCF (dB)	Result (dB(μ V/m))	Limit (dB(μ V/m))	Margin (dB)
Peak data								
5 726.22	41.85	H	35.07	-25.93	-	50.99	68.20	17.21
11 221.11 ¹⁾	55.20	H	37.83	-50.44	-	42.59	74.00	31.41
16 832.39	53.12	V	41.83	-46.86	-	48.09	68.20	20.11
Average Data								
No spurious emissions were detected within 20 dB of the limit.								



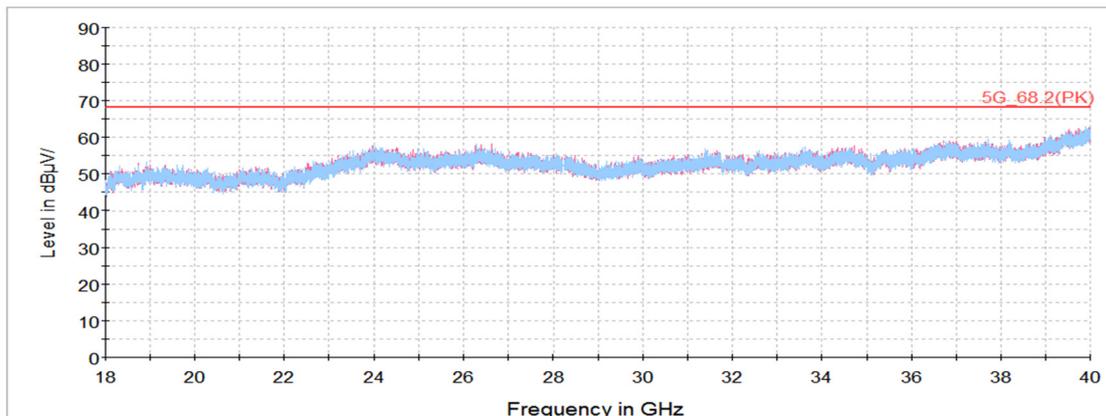
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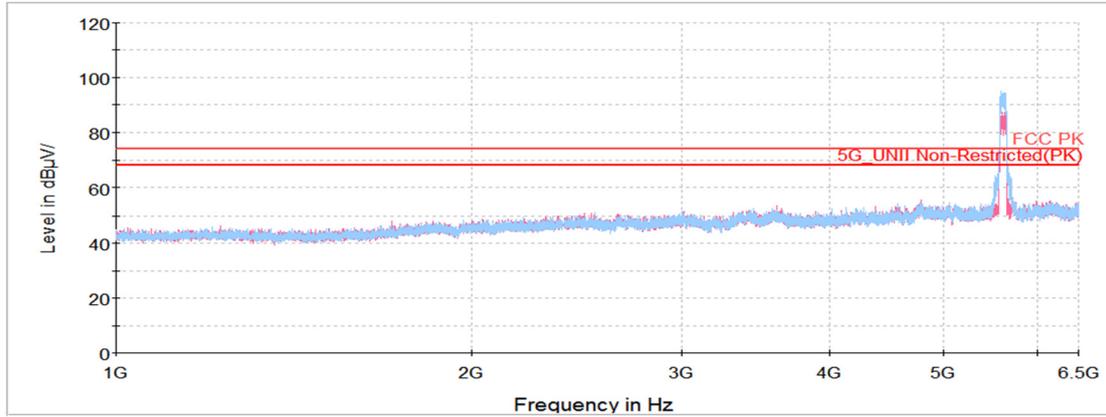
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KCTL**Straddle Channel (5 690 MHz)**

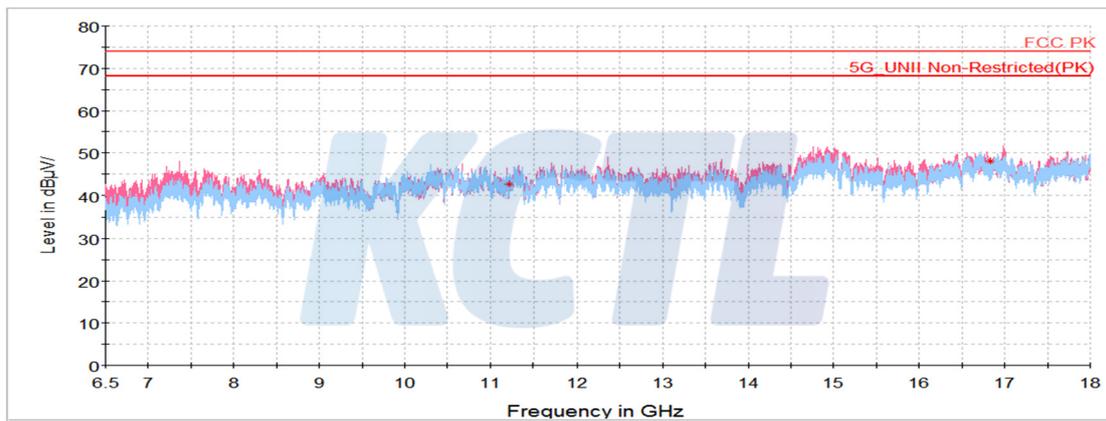
Frequency (MHz)	Reading (dB(μ V))	Pol. (V/H)	Ant. Factor (dB)	Amp.+Cable (dB)	DCCF (dB)	Result (dB(μ V/m))	Limit (dB(μ V/m))	Margin (dB)
Peak data								
11 381.03 ¹⁾	56.75	V	37.93	-50.22	-	44.46	74.00	29.54
17 070.66	52.23	H	41.27	-47.15	-	46.35	68.20	21.85
Average Data								
No spurious emissions 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

