

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-SRF0117-B

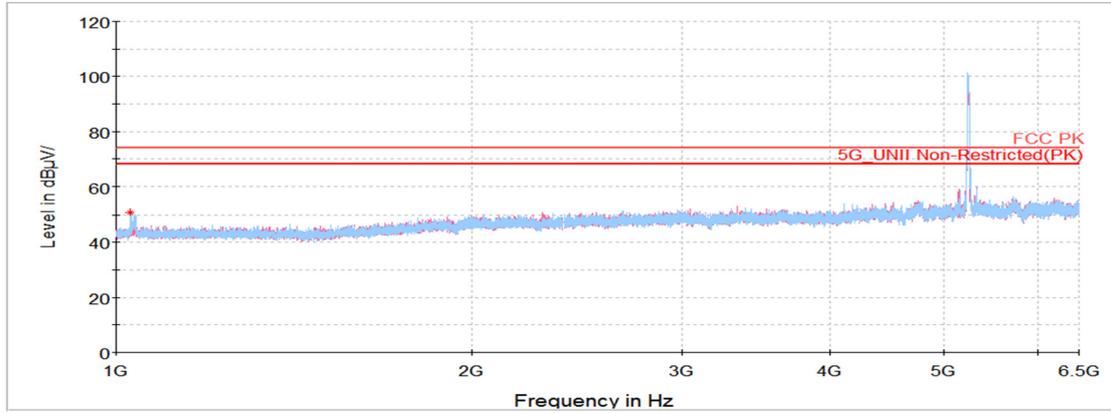
Page (87) of (199)

**Highest Channel (5 240 MHz)**

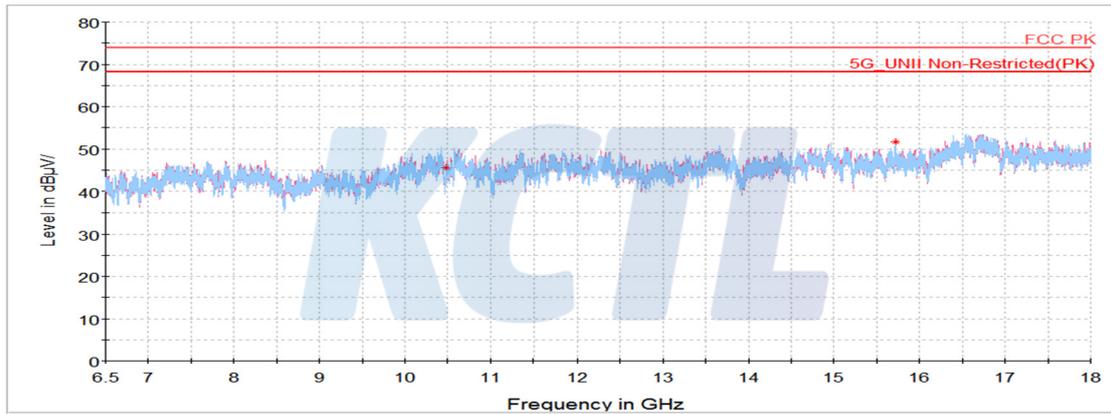
Frequency (MHz)	Pol. (V/H)	Reading (dB(μ V))	Ant. Factor (dB)	Amp.+Cable (dB)	DCCF (dB)	Result (dB(μ V/m))	Limit (dB(μ V/m))	Margin (dB)
Peak data								
10 481.52	H	56.28	37.39	-48.18	-	45.49	68.20	22.71
15 718.64 ¹⁾	V	59.66	40.09	-48.04	-	51.71	74.00	22.29
Average Data								
No spurious emissions were detected within 20 dB of the limit.								



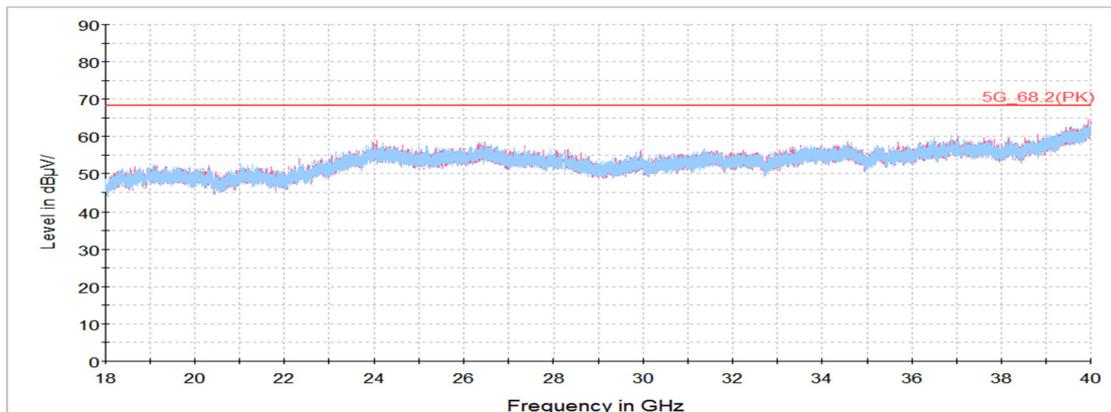
Horizontal/Vertical for 1 GHz ~ 6.5 GHz



Horizontal/Vertical for 6.5 GHz ~ 18 GHz



Horizontal/Vertical for 18 GHz ~ 40 GHz



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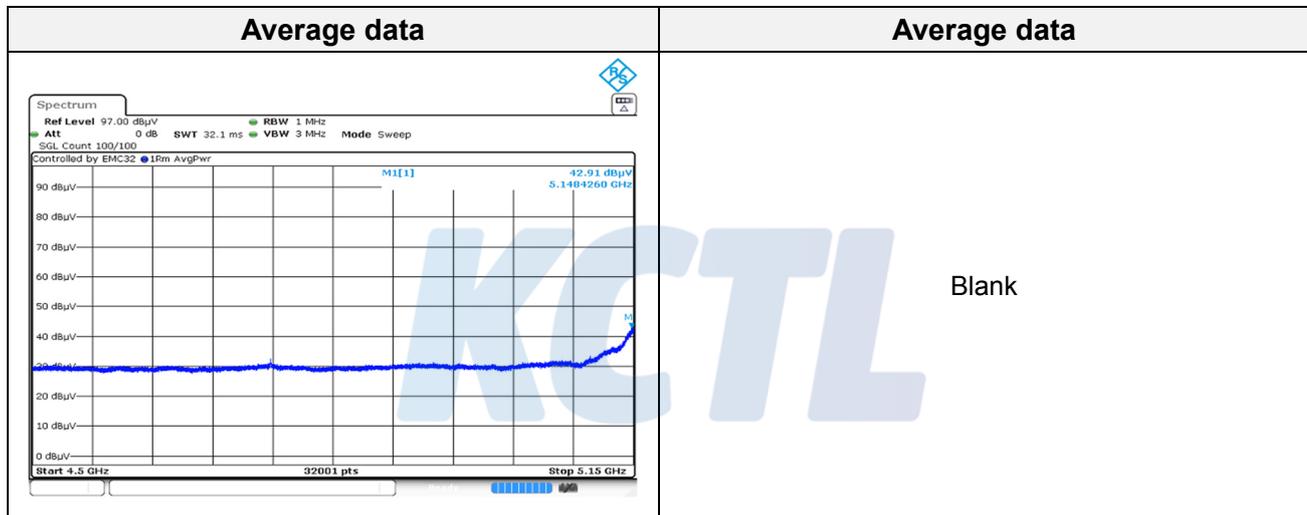
Page (89) of (199)



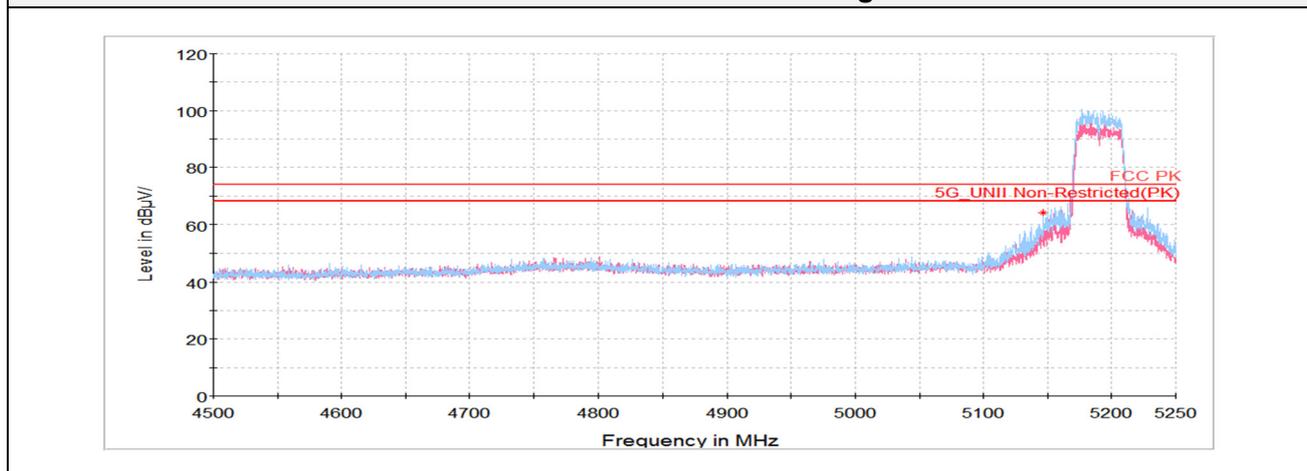
802.11n HT40 UNII-1

Lowest Channel (5 190 MHz)

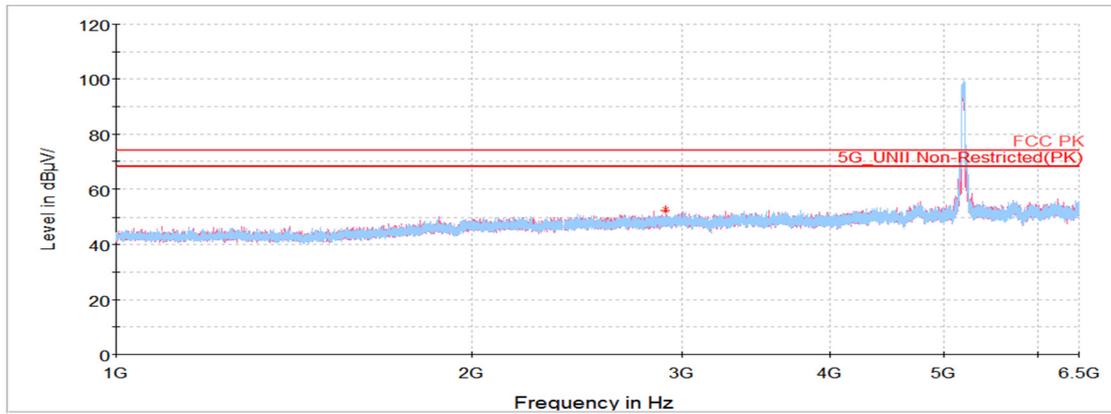
Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCCF	Result	Limit	Margin
(MHz)	(V/H)	(dB(μV))	(dB)	(dB)	(dB)	(dB(μV/m))	(dB(μV/m))	(dB)
Peak data								
5 148.43 ¹⁾	H	49.94	34.08	-27.11	-	56.91	74.00	17.09
10 380.81	V	61.09	37.33	-48.76	-	49.66	68.20	18.54
15 570.05 ¹⁾	H	56.29	40.03	-48.03	-	48.29	74.00	25.71
Average Data								
5 148.43 ¹⁾	H	42.91	34.08	-27.11	0.89	50.77	54.00	3.23



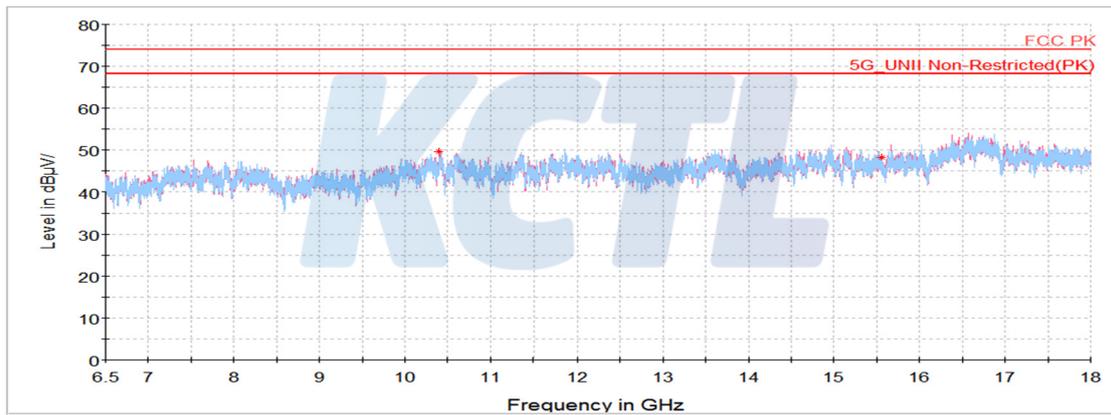
Horizontal/Vertical for Band-edge



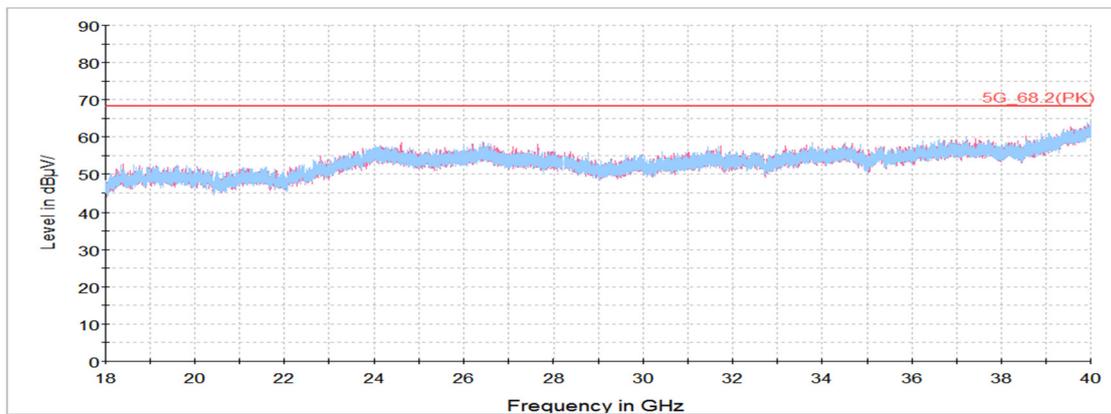
Horizontal/Vertical for 1 GHz ~ 6.5 GHz



Horizontal/Vertical for 6.5 GHz ~ 18 GHz



Horizontal/Vertical for 18 GHz ~ 40 GHz



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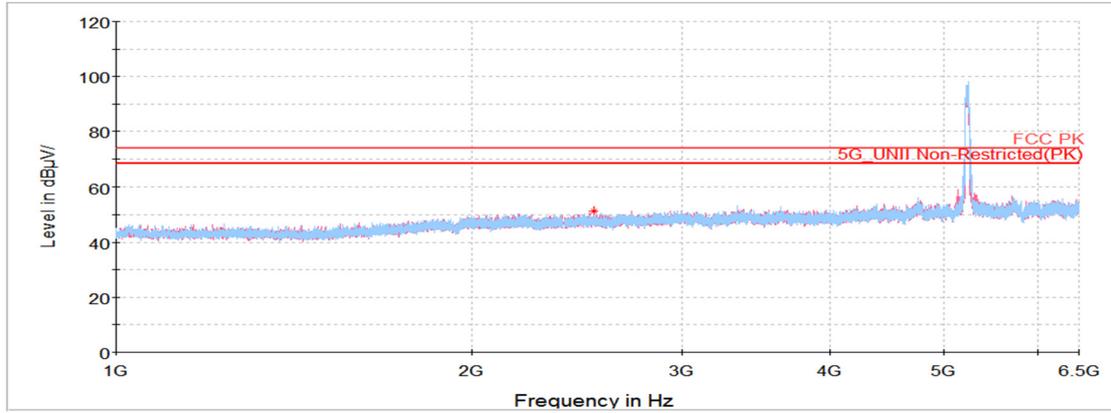
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KCTL**Highest Channel (5 230 MHz)**

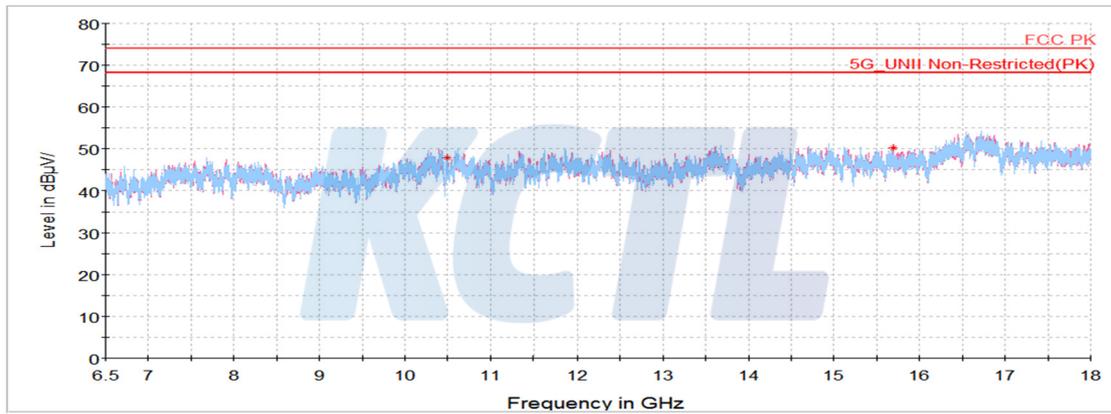
Frequency (MHz)	Pol. (V/H)	Reading (dB(μ V))	Ant. Factor (dB)	Amp.+Cable (dB)	DCCF (dB)	Result (dB(μ V/m))	Limit (dB(μ V/m))	Margin (dB)
Peak data								
10 460.78	H	58.74	37.38	-48.30	-	47.82	68.20	20.38
15 687.78 ¹⁾	V	58.14	40.08	-48.04	-	50.18	74.00	23.82
Average Data								
No spurious emissions were detected within 20 dB of the limit.								

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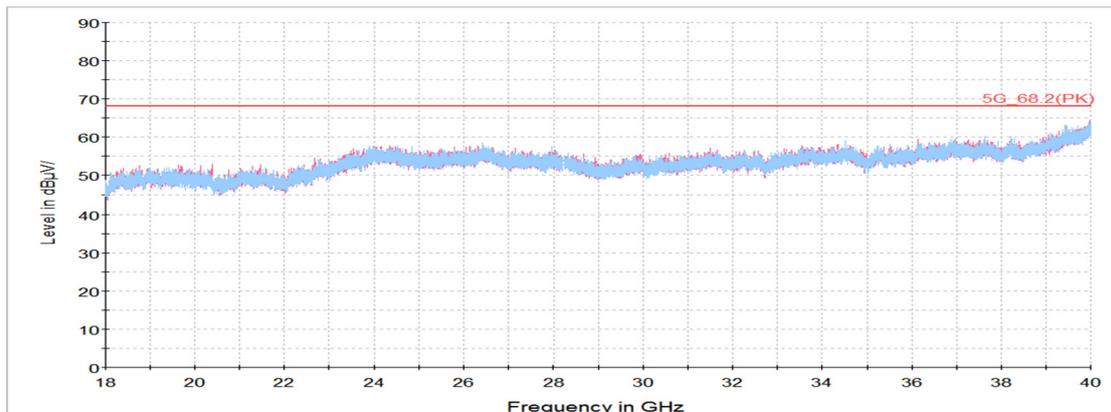
Horizontal/Vertical for 1 GHz ~ 6.5 GHz



Horizontal/Vertical for 6.5 GHz ~ 18 GHz



Horizontal/Vertical for 18 GHz ~ 40 GHz



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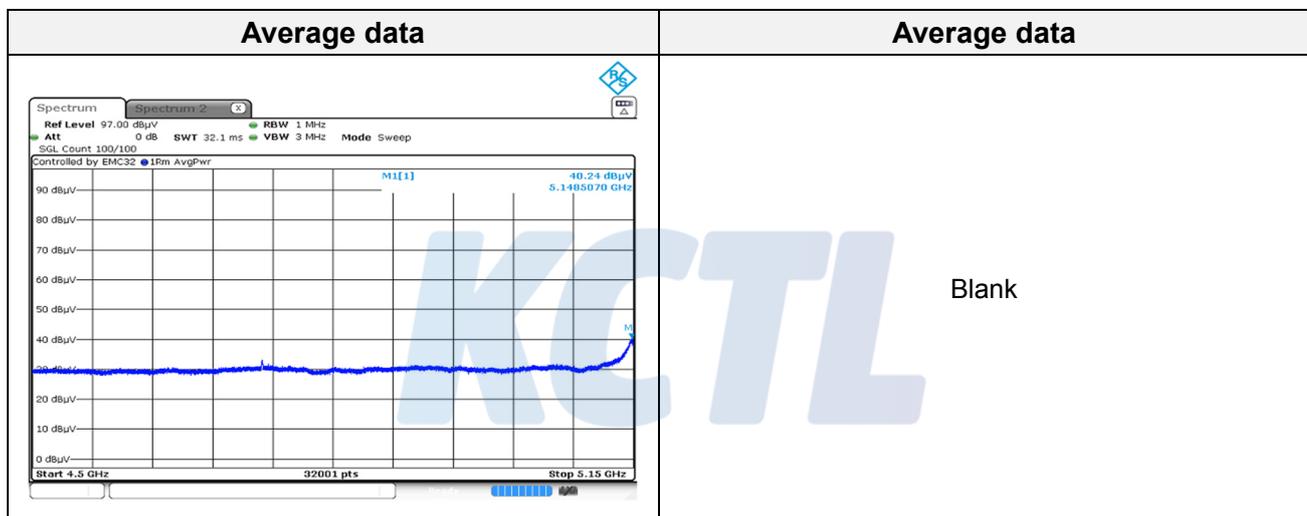
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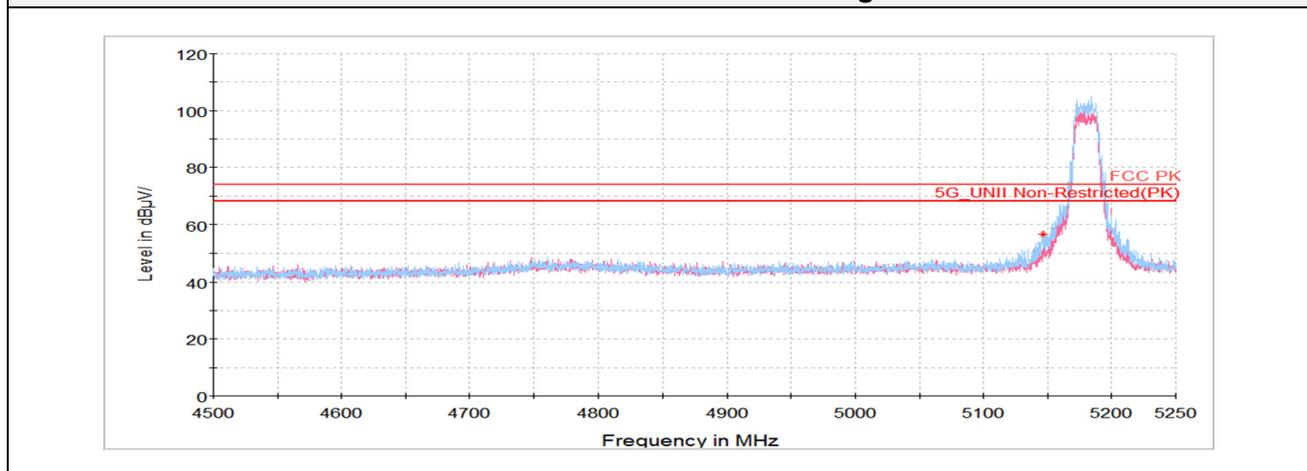
802.11ac VHT20 UNII-1

Lowest Channel (5 180 MHz)

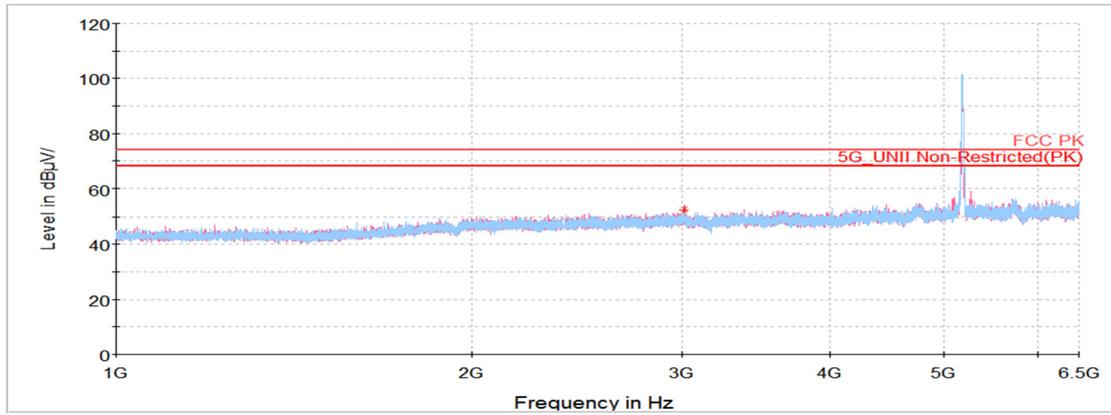
Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCCF	Result	Limit	Margin
(MHz)	(V/H)	(dB(μ V))	(dB)	(dB)	(dB)	(dB(μ V/m))	(dB(μ V/m))	(dB)
Peak data								
5 148.51 ¹⁾	H	49.54	34.08	-27.11	-	56.51	74.00	17.49
10 359.69	H	57.85	37.32	-48.88	-	46.29	68.20	21.91
15 540.44 ¹⁾	H	58.53	40.02	-48.02	-	50.53	74.00	23.47
Average Data								
5 148.51 ¹⁾	H	40.24	34.08	-27.11	0.44	47.65	54.00	6.35



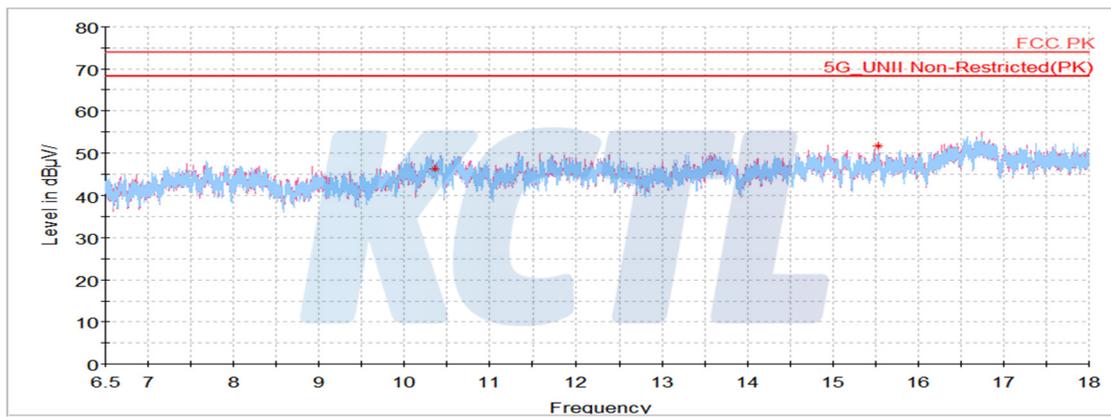
Horizontal/Vertical for Band-edge



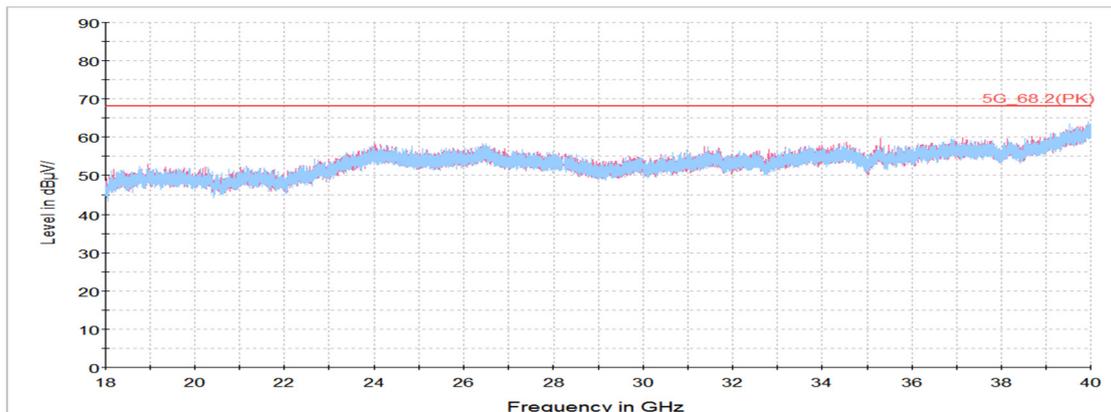
Horizontal/Vertical for 1 GHz ~ 6.5 GHz



Horizontal/Vertical for 6.5 GHz ~ 18 GHz



Horizontal/Vertical for 18 GHz ~ 40 GHz



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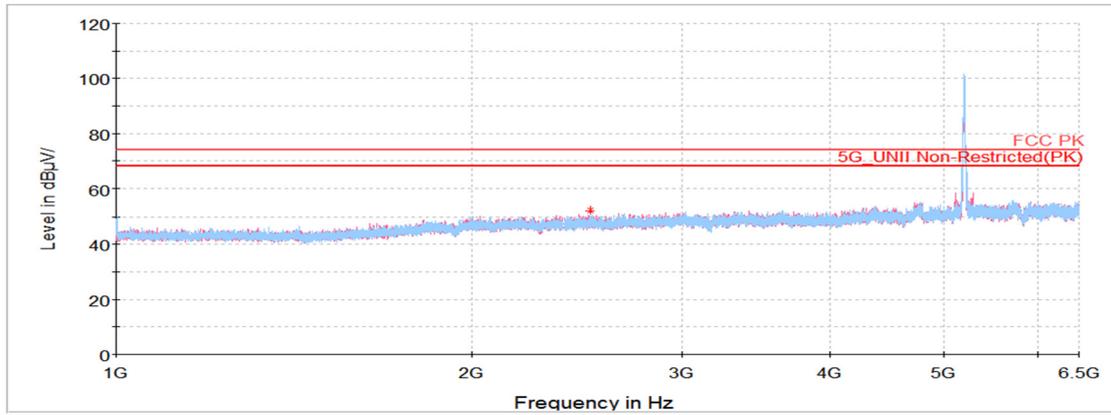
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KCTL**Middle Channel (5 200 MHz)**

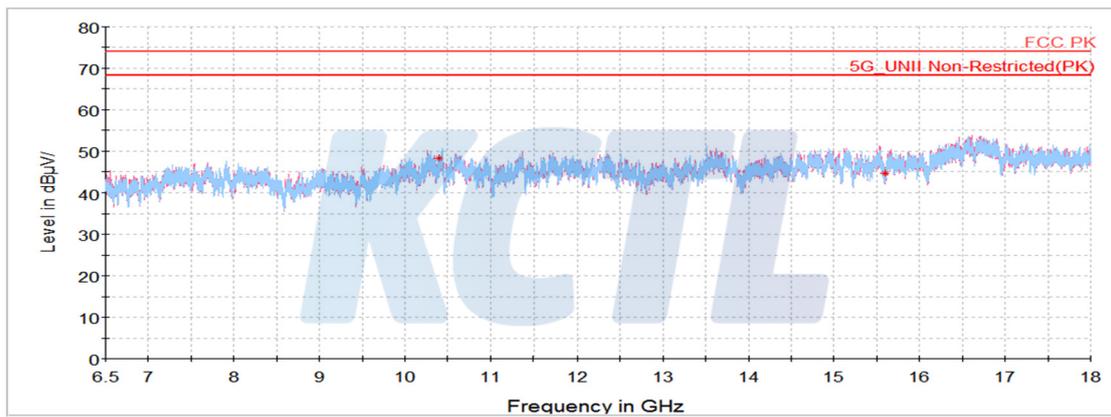
Frequency (MHz)	Pol. (V/H)	Reading (dB(μ V))	Ant. Factor (dB)	Amp.+Cable (dB)	DCCF (dB)	Result (dB(μ V/m))	Limit (dB(μ V/m))	Margin (dB)
Peak data								
10 401.02	H	59.48	37.34	-48.64	-	48.18	68.20	20.02
15 600.09 ¹⁾	H	52.68	40.04	-48.03	-	44.69	74.00	29.31
Average Data								
No spurious emissions were detected within 20 dB of the limit								

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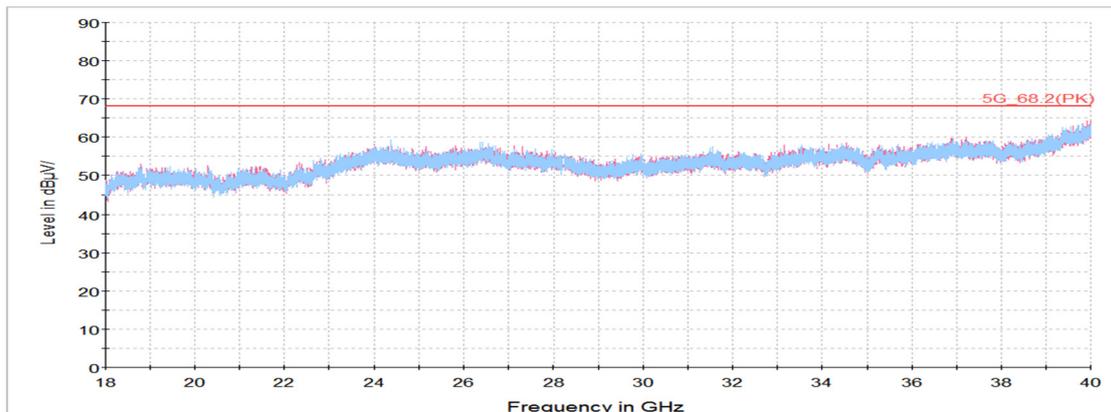
Horizontal/Vertical for 1 GHz ~ 6.5 GHz



Horizontal/Vertical for 6.5 GHz ~ 18 GHz



Horizontal/Vertical for 18 GHz ~ 40 GHz



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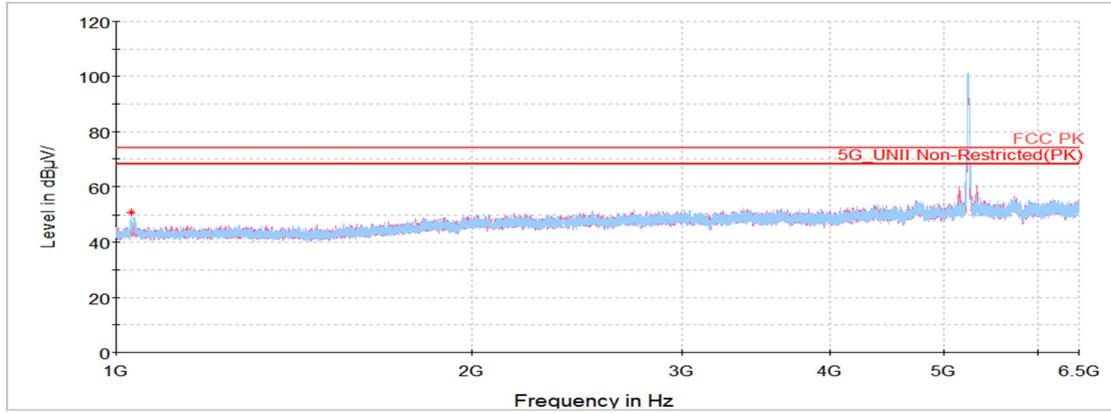
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**Highest Channel (5 240 MHz)**

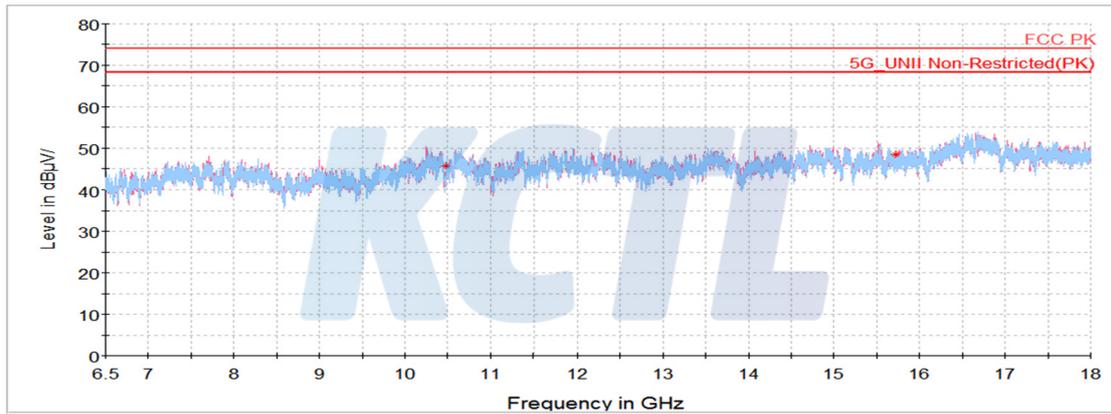
Frequency (MHz)	Pol. (V/H)	Reading (dB(μ V))	Ant. Factor (dB)	Amp.+Cable (dB)	DCCF (dB)	Result (dB(μ V/m))	Limit (dB(μ V/m))	Margin (dB)
Peak data								
10 480.08	H	56.52	37.39	-48.19	-	45.72	68.20	22.48
15 720.48 ¹⁾	V	56.34	40.09	-48.04	-	48.39	74.00	25.61
Average Data								
No spurious emissions were detected within 20 dB of the limit.								



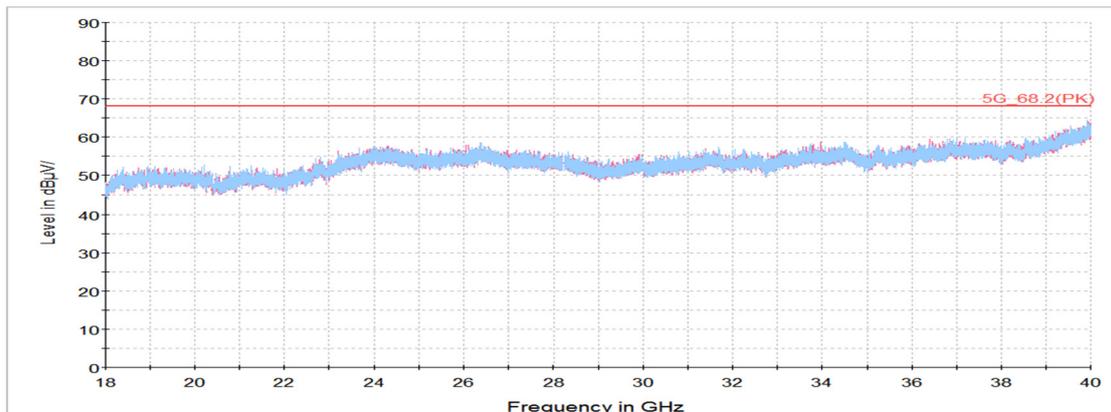
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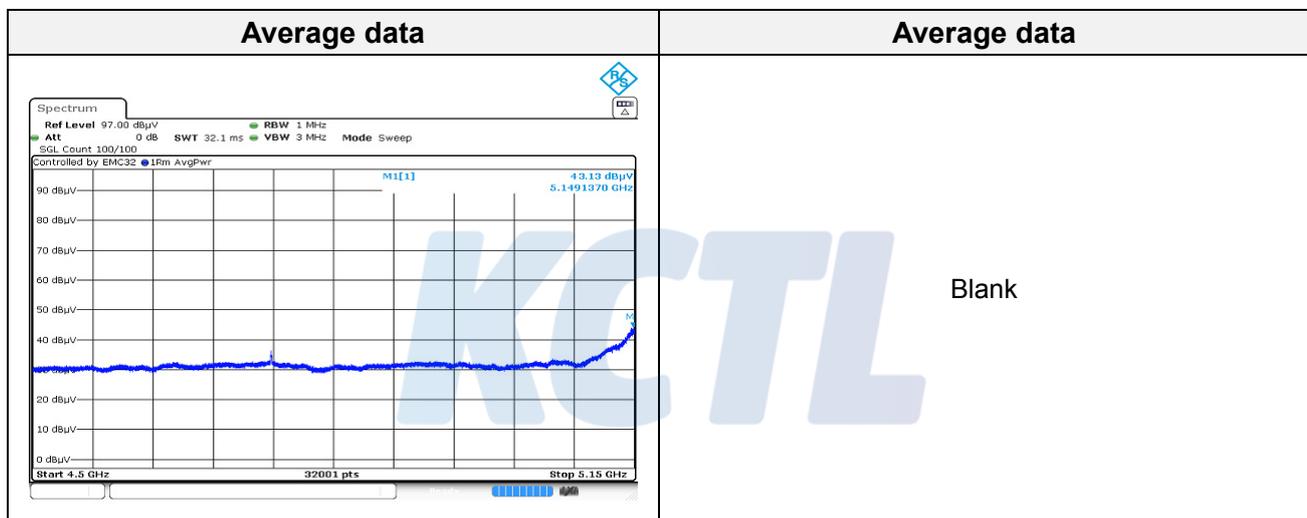
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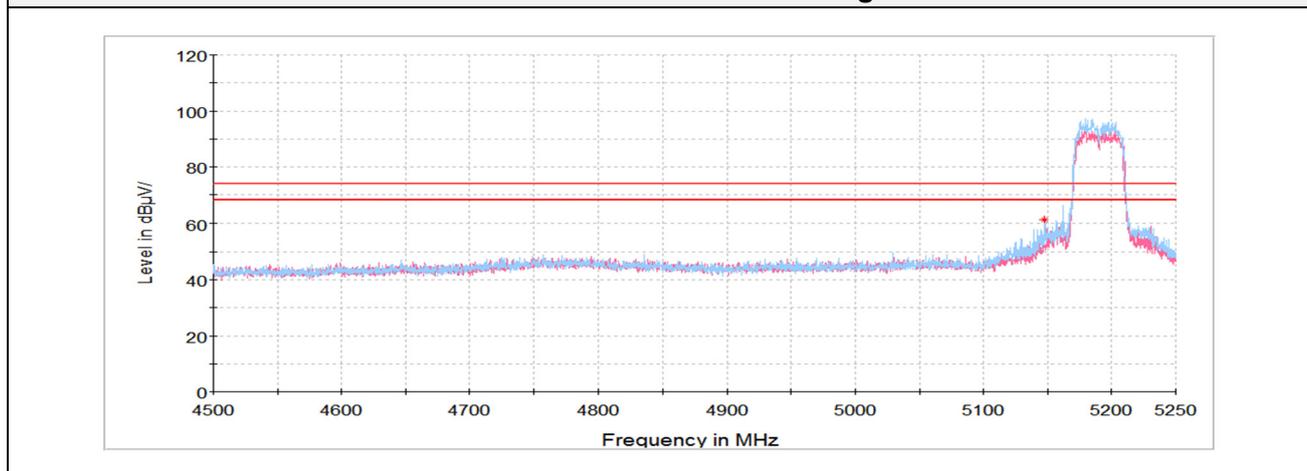
802.11ac VHT40 UNII-1

Lowest Channel (5 190 MHz)

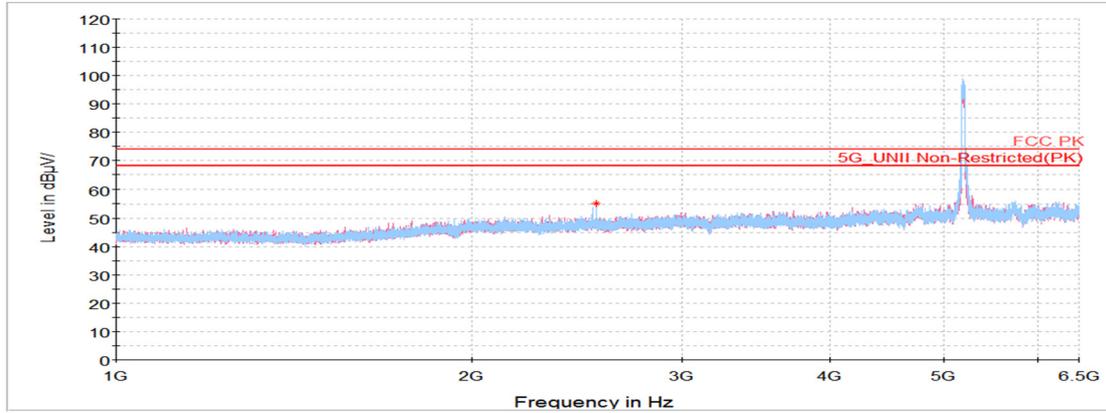
Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCCF	Result	Limit	Margin
(MHz)	(V/H)	(dB(μV))	(dB)	(dB)	(dB)	(dB(μV/m))	(dB(μV/m))	(dB)
Peak data								
5 149.14 ¹⁾	H	54.00	34.08	-27.11	-	60.97	74.00	13.03
10 378.02	V	59.65	37.33	-48.77	-	48.21	68.20	19.99
15 570.63 ¹⁾	V	54.74	40.03	-48.03	-	46.74	74.00	27.26
Average Data								
5 149.14 ¹⁾	H	43.13	34.08	-27.11	0.81	50.91	54.00	3.09



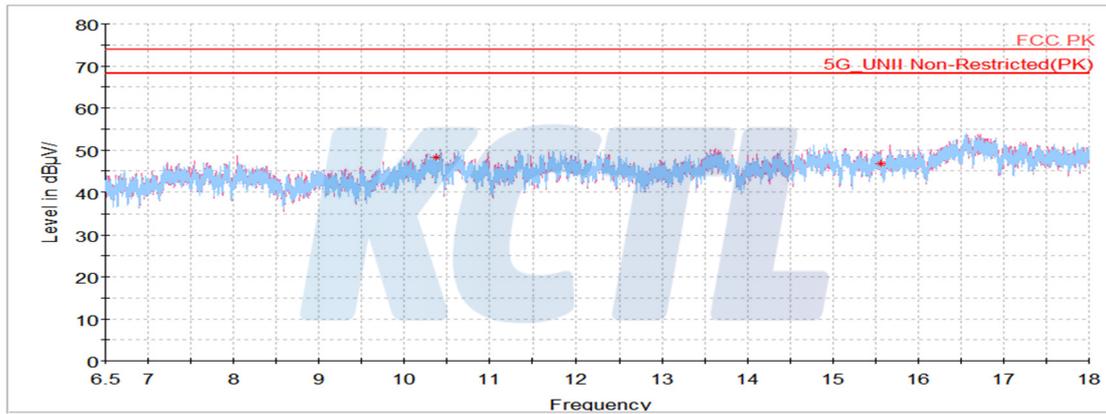
Horizontal/Vertical for Band-edge



Horizontal/Vertical for 1 GHz ~ 6.5 GHz



Horizontal/Vertical for 6.5 GHz ~ 18 GHz



Horizontal/Vertical for 18 GHz ~ 40 GHz

