

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-SRF0165-C

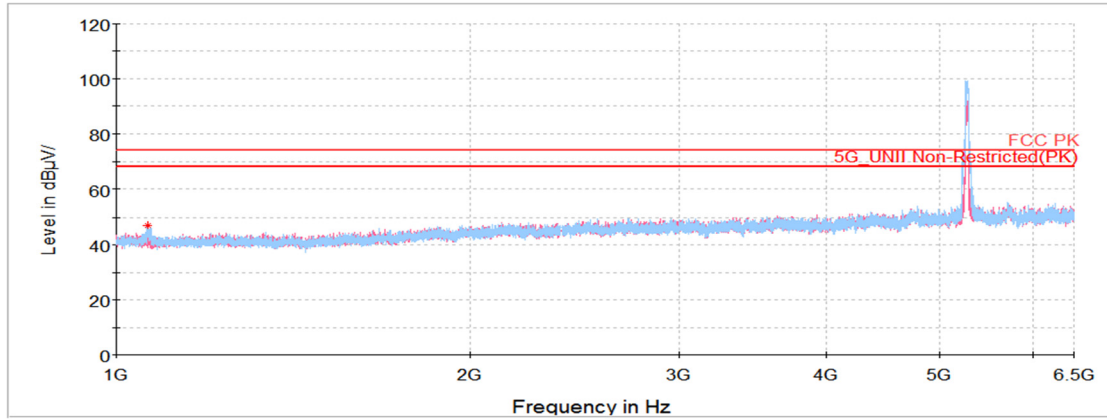
Page (138) of (220)

**802.11ac VHT40 UNII-2A****Lowest Channel (5 270 MHz)**

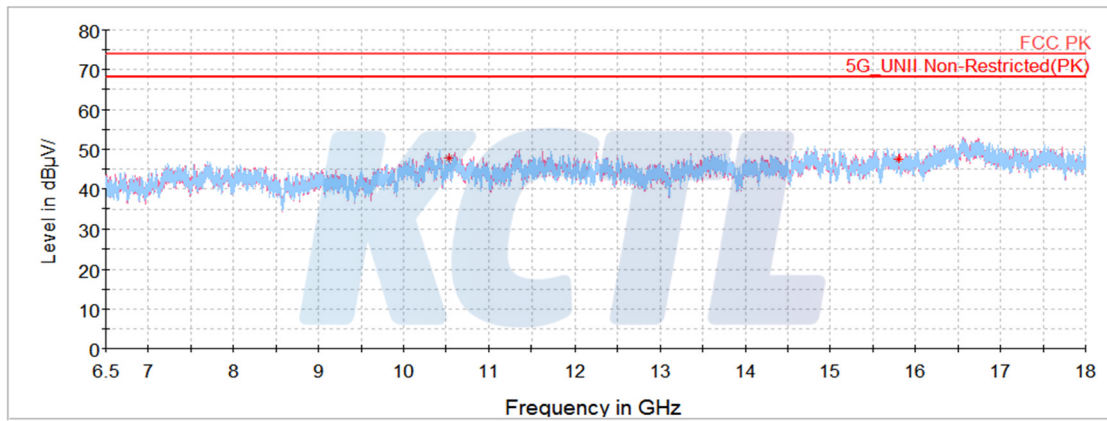
Frequency (MHz)	Pol. (V/H)	Reading (dB(μ V))	Ant. Factor (dB)	Amp.+Cable (dB)	DCCF (dB)	Result (dB(μ V/m))	Limit (dB(μ V/m))	Margin (dB)
Peak data								
1 064.45 ¹⁾	H	71.01	26.94	-50.77	-	47.18	74.00	26.82
10 541.17	H	58.51	37.62	-48.35	-	47.78	68.20	20.42
15 810.33 ¹⁾	H	55.69	39.70	-48.05	-	47.34	74.00	26.66
Average Data								
No spurious emissions were detected within 20 dB of the limit.								



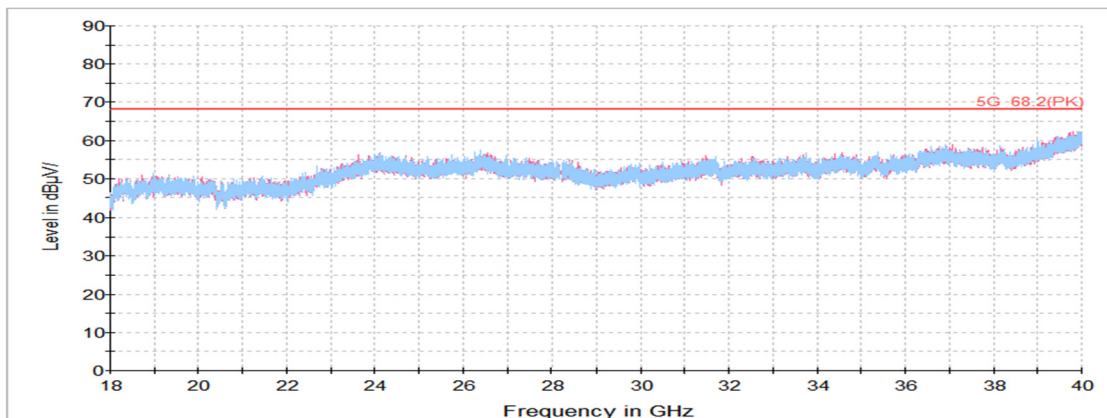
Horizontal/Vertical for 1 GHz ~ 6.5 GHz



Horizontal/Vertical for 6.5 GHz ~ 18 GHz



Horizontal/Vertical for 18 GHz ~ 40 GHz



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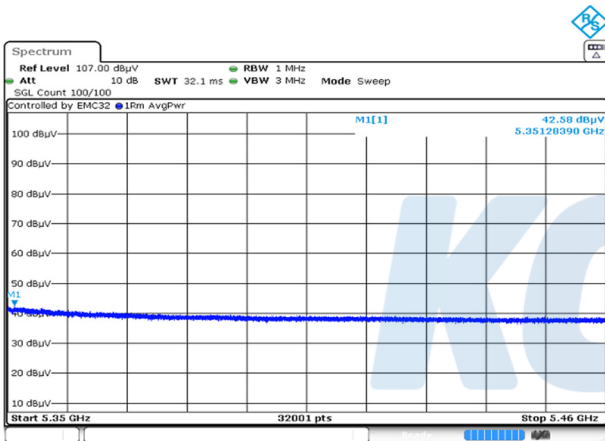
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Highest Channel (5 310 MHz)

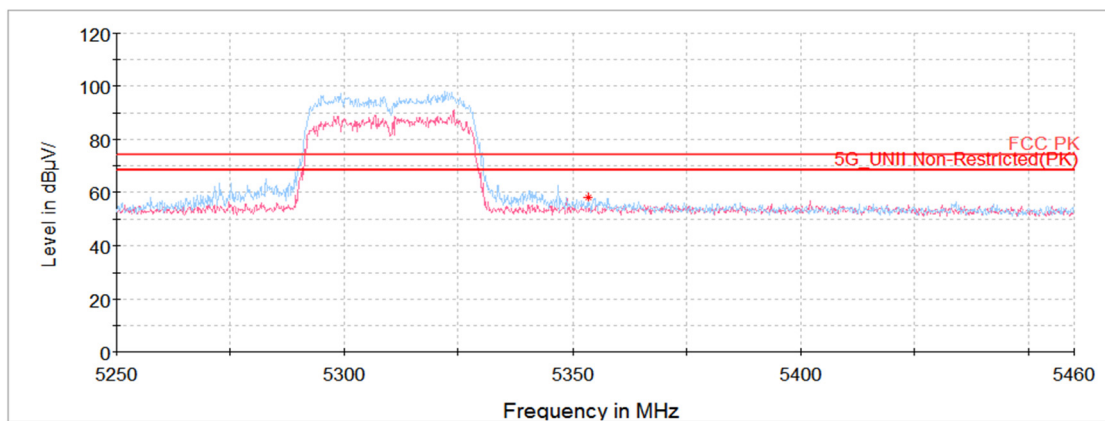
Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCCF	Result	Limit	Margin
(MHz)	(V/H)	(dB(μV))	(dB)	(dB)	(dB)	(dB(μV/m))	(dB(μV/m))	(dB)
Peak data								
1 110.52 ¹⁾	H	70.70	26.97	-50.83	-	46.84	74.00	27.16
5 351.28 ¹⁾	H	50.29	34.35	-26.84	-	57.80	74.00	16.20
10 620.59 ¹⁾	V	58.90	37.67	-48.87	-	47.70	74.00	26.30
15 930.00 ¹⁾	V	54.72	39.70	-48.07	-	46.35	74.00	27.65
Average Data								
5 351.28 ¹⁾	H	42.58	34.35	-26.84	0.61	50.70	54.00	3.30

Average data

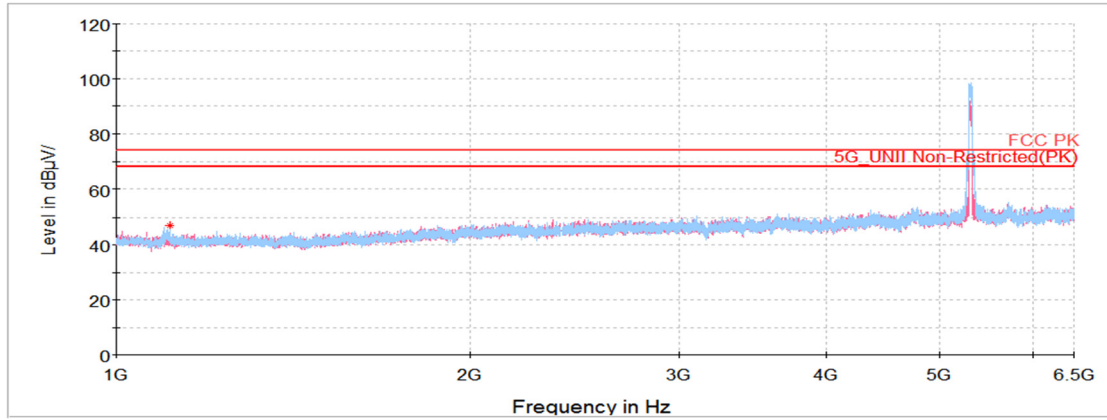


Blank

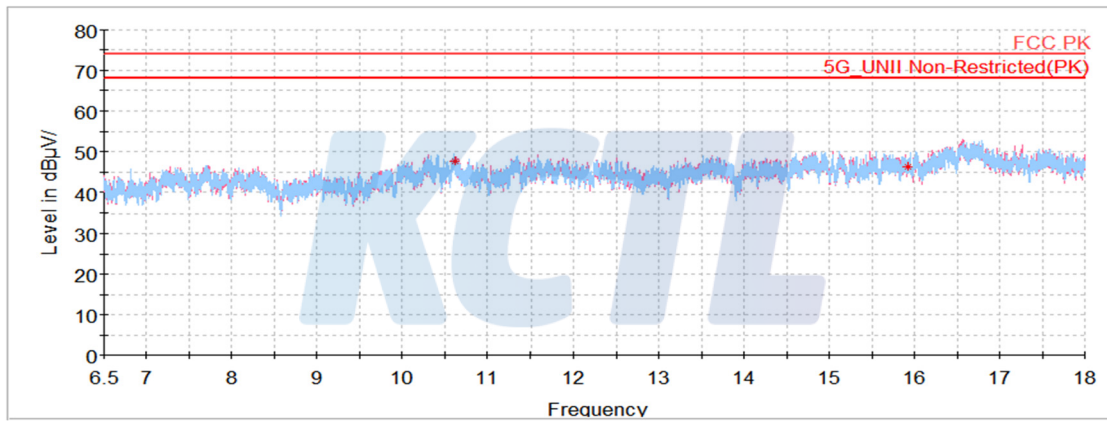
Horizontal/Vertical for Band-edge



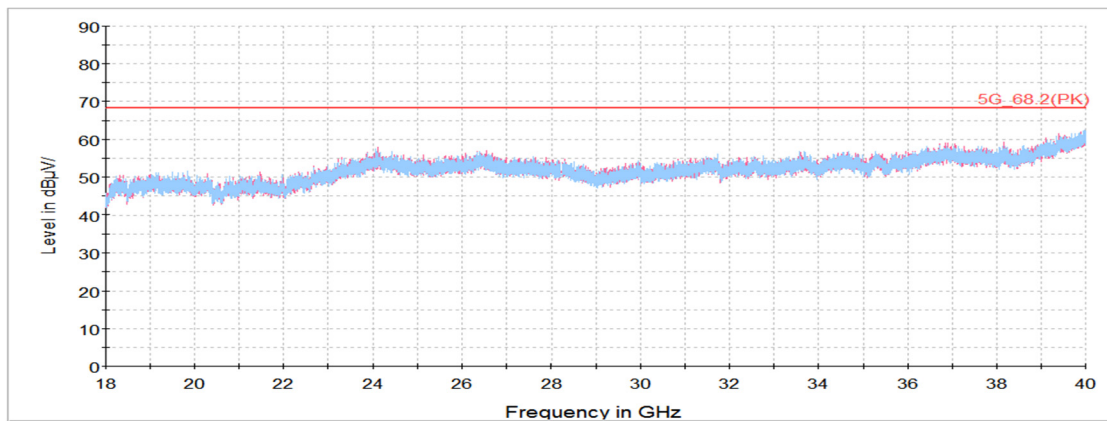
Horizontal/Vertical for 1 GHz ~ 6.5 GHz



Horizontal/Vertical for 6.5 GHz ~ 18 GHz



Horizontal/Vertical for 18 GHz ~ 40 GHz



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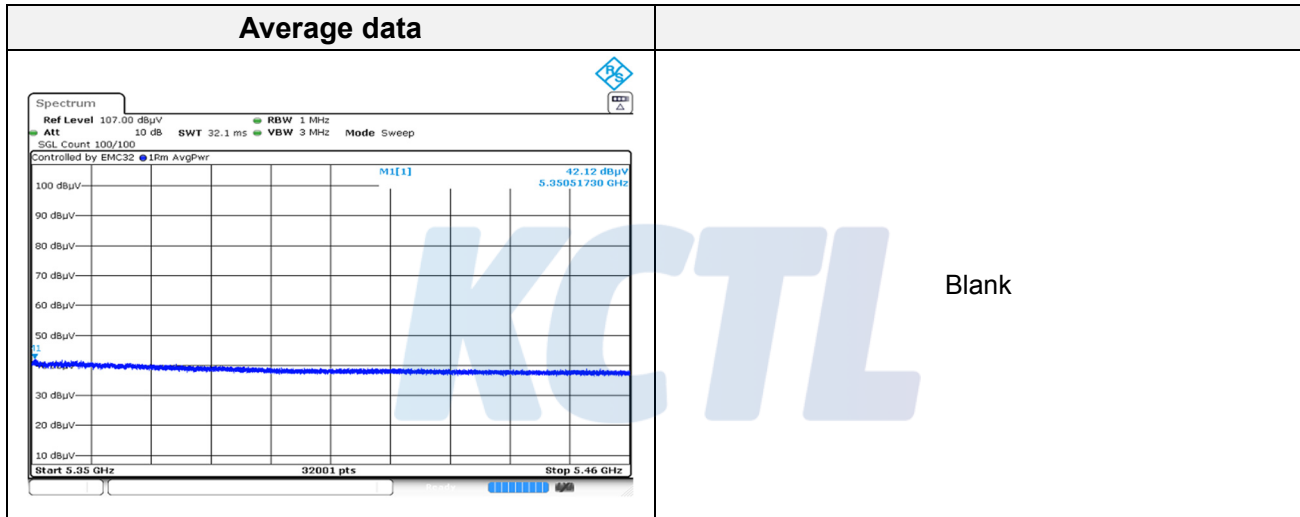
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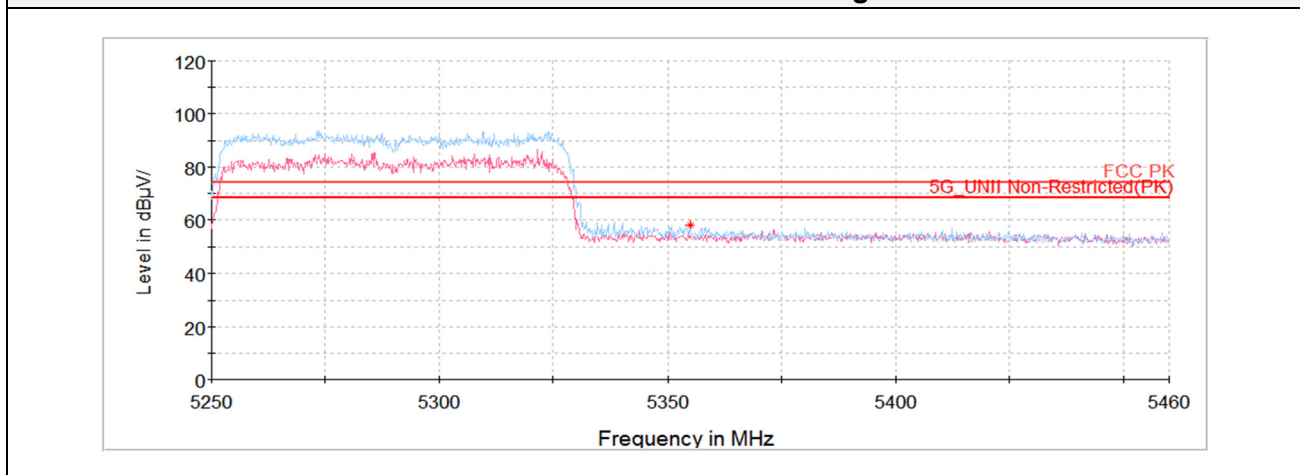
802.11ac VHT80 UNII-2A

Lowest Channel (5 290 MHz)

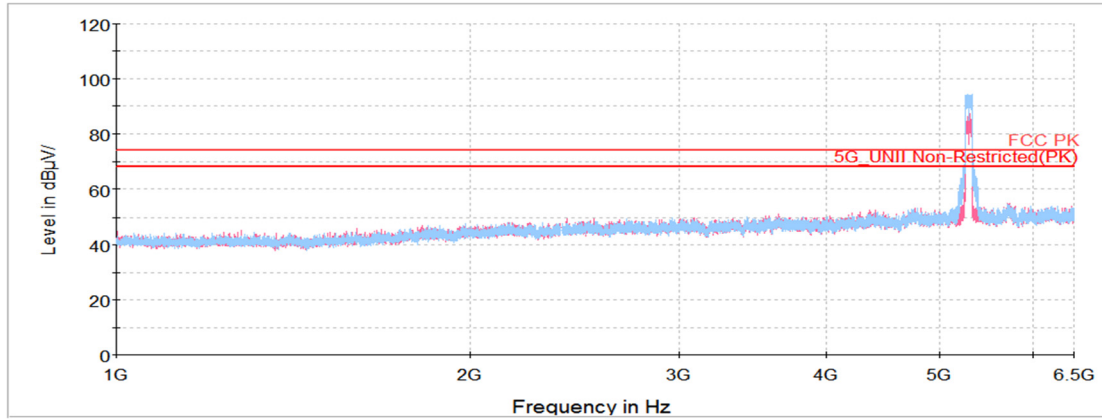
Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCCF	Result	Limit	Margin
(MHz)	(V/H)	(dB(μV))	(dB)	(dB)	(dB)	(dB(μV/m))	(dB(μV/m))	(dB)
Peak data								
5 350.52 ¹⁾	H	50.28	34.35	-26.84	-	57.79	74.00	16.21
10 580.34	V	59.04	37.65	-48.61	-	48.08	68.20	20.12
15 870.34 ¹⁾	H	56.40	39.70	-48.06	-	48.04	74.00	25.96
Average Data								
5 350.52 ¹⁾	H	42.12	34.35	-26.84	1.25	50.88	54.00	3.12



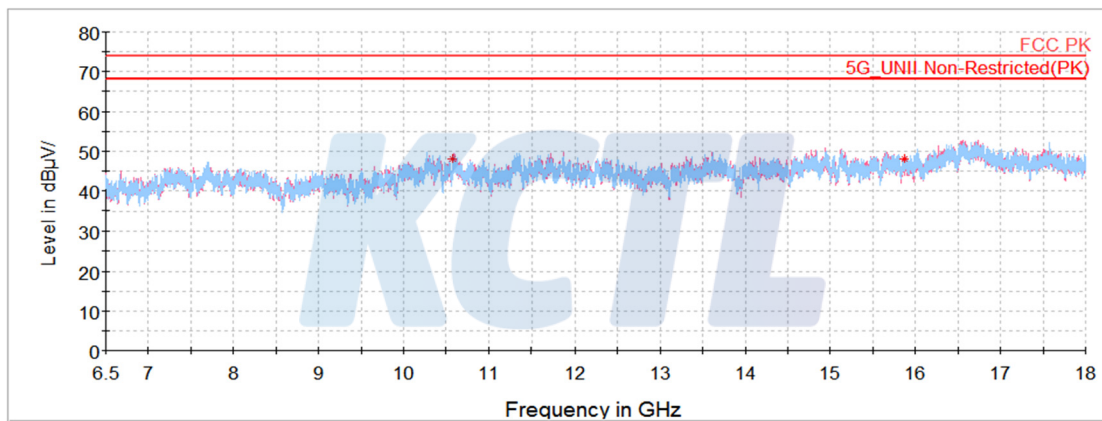
Horizontal/Vertical for Band-edge



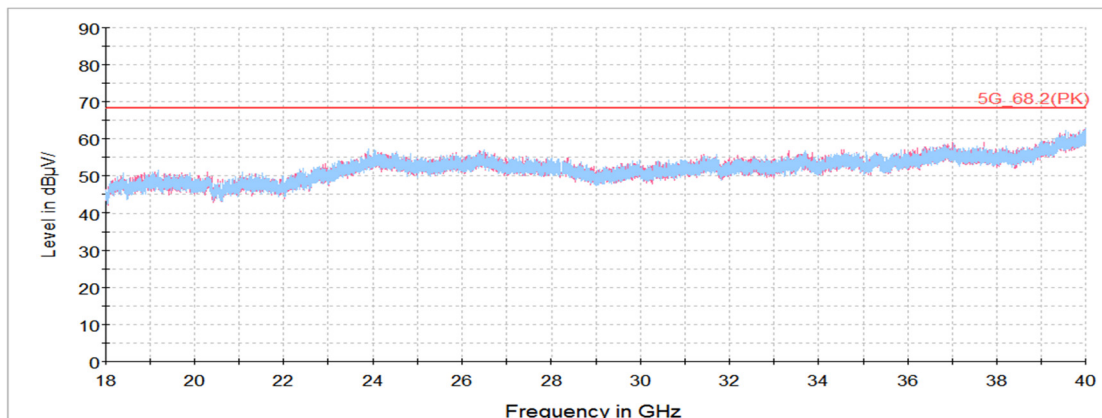
Horizontal/Vertical for 1 GHz ~ 6.5 GHz



Horizontal/Vertical for 6.5 GHz ~ 18 GHz



Horizontal/Vertical for 18 GHz ~ 40 GHz



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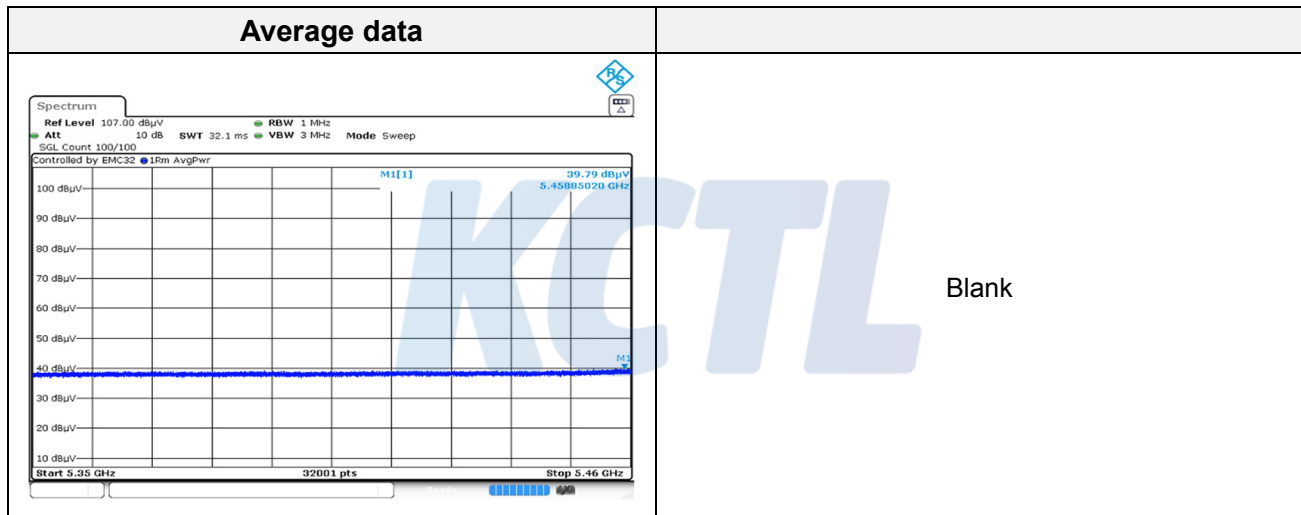
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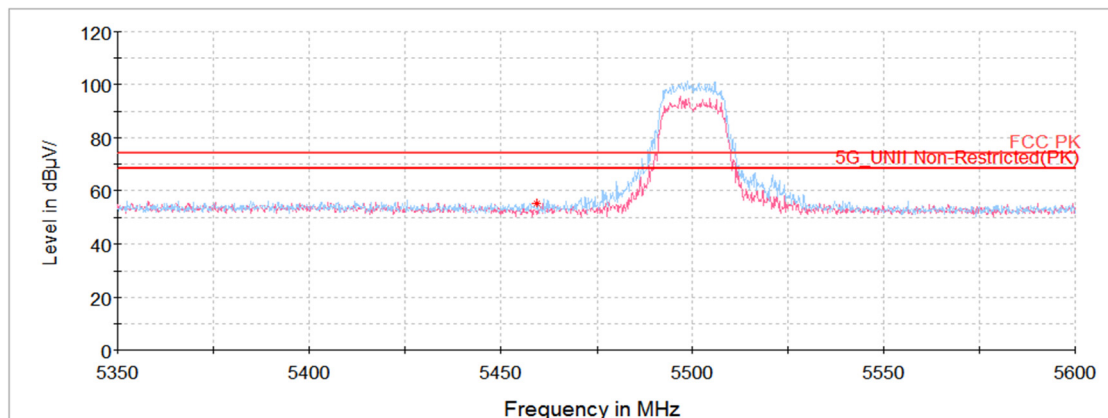
802.11a UNII-2C

Lowest Channel (5 500 MHz)

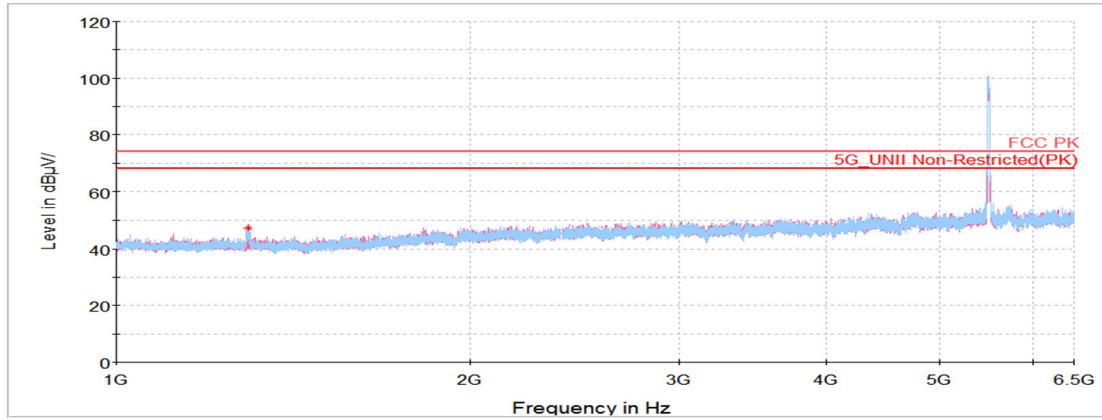
Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCCF	Result	Limit	Margin
(MHz)	(V/H)	(dB(μV))	(dB)	(dB)	(dB)	(dB(μV/m))	(dB(μV/m))	(dB)
Peak data								
1 294.59	H	70.86	27.08	-50.41	-	47.53	68.20	20.67
5 459.64 ¹⁾	H	47.84	34.46	-27.35	-	54.95	74.00	19.05
11 001.53 ¹⁾	V	55.98	37.90	-51.37	-	42.51	74.00	31.49
16 500.69	H	52.40	41.10	-45.33	-	48.17	68.20	20.03
Average Data								
5 459.64 ¹⁾	H	39.79	34.46	-27.35	0.30	47.20	54.00	6.80



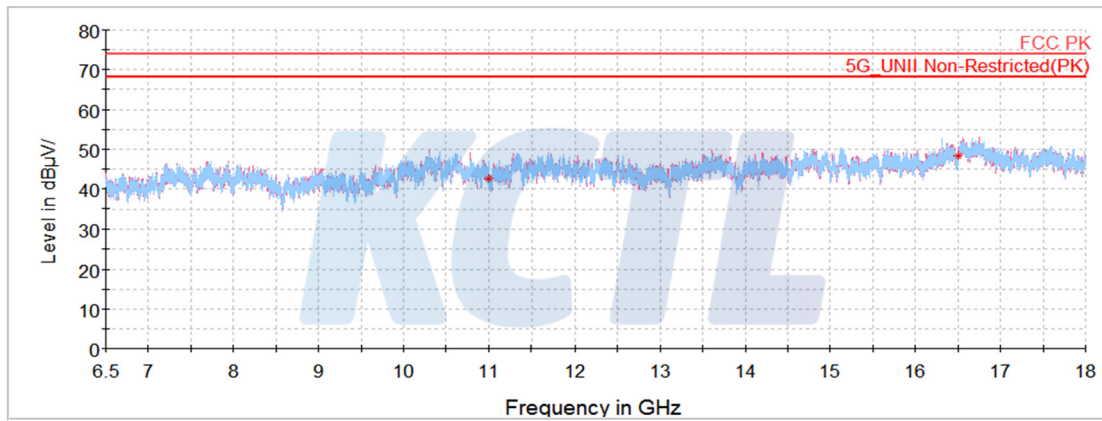
Horizontal/Vertical for Band-edge



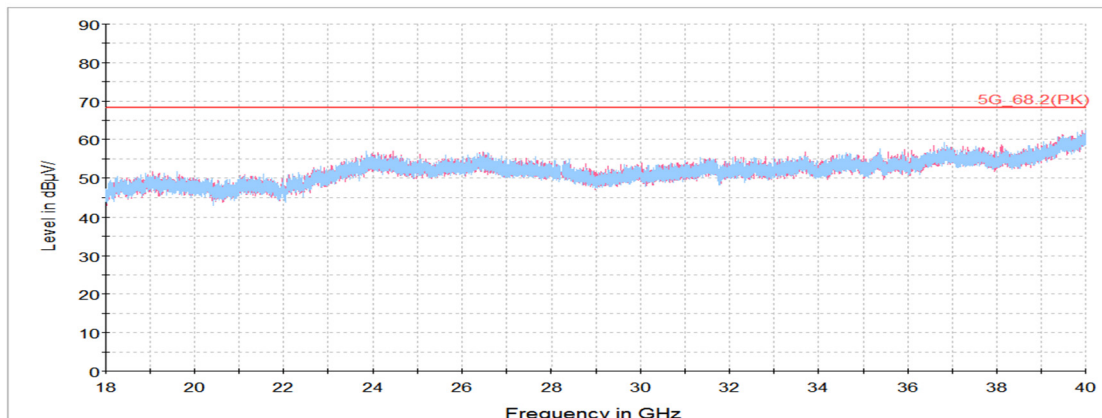
Horizontal/Vertical for 1 GHz ~ 6.5 GHz



Horizontal/Vertical for 6.5 GHz ~ 18 GHz



Horizontal/Vertical for 18 GHz ~ 40 GHz



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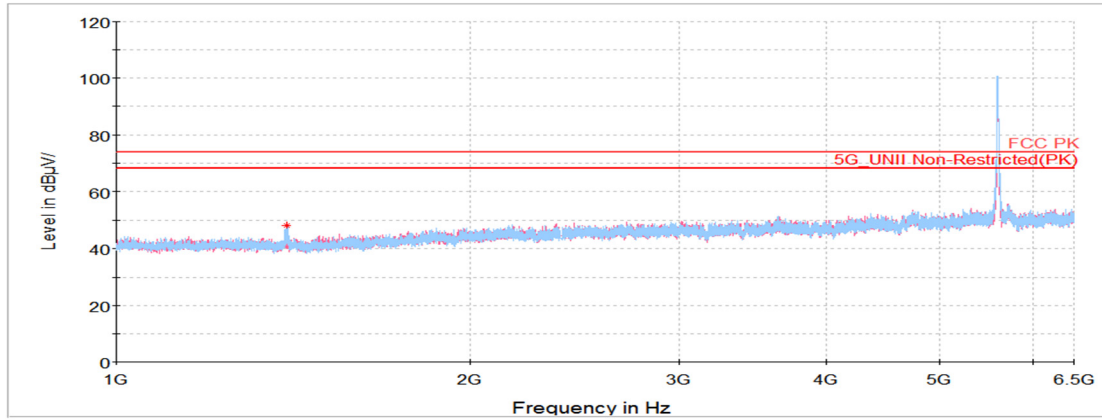
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**Middle Channel (5 600 MHz)**

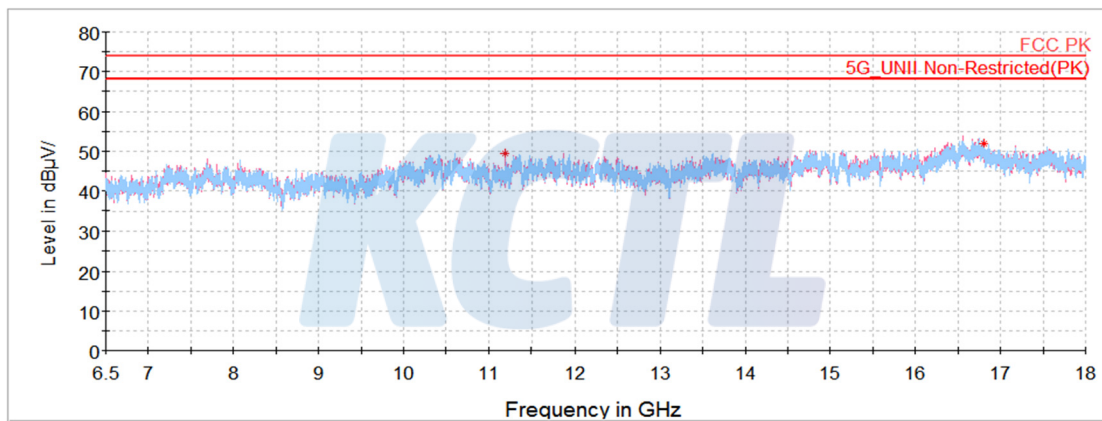
Frequency (MHz)	Pol. (V/H)	Reading (dB(μ V))	Ant. Factor (dB)	Amp.+Cable (dB)	DCCF (dB)	Result (dB(μ V/m))	Limit (dB(μ V/m))	Margin (dB)
Peak data								
1 397.55 ¹⁾	H	71.38	27.14	-50.39	-	48.13	74.00	25.87
11 199.91 ¹⁾	V	61.47	38.06	-50.08	-	49.45	74.00	24.55
16 799.33	H	56.13	41.40	-45.78	-	51.75	68.20	16.45
Average Data								
No spurious emissions were detected within 20 dB of the limit.								



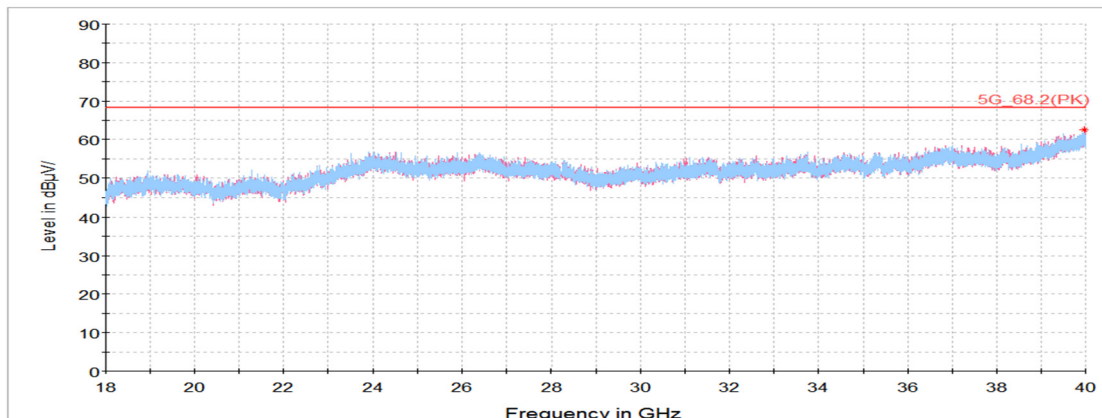
Horizontal/Vertical for 1 GHz ~ 6.5 GHz



Horizontal/Vertical for 6.5 GHz ~ 18 GHz



Horizontal/Vertical for 18 GHz ~ 40 GHz



KCTL Inc.

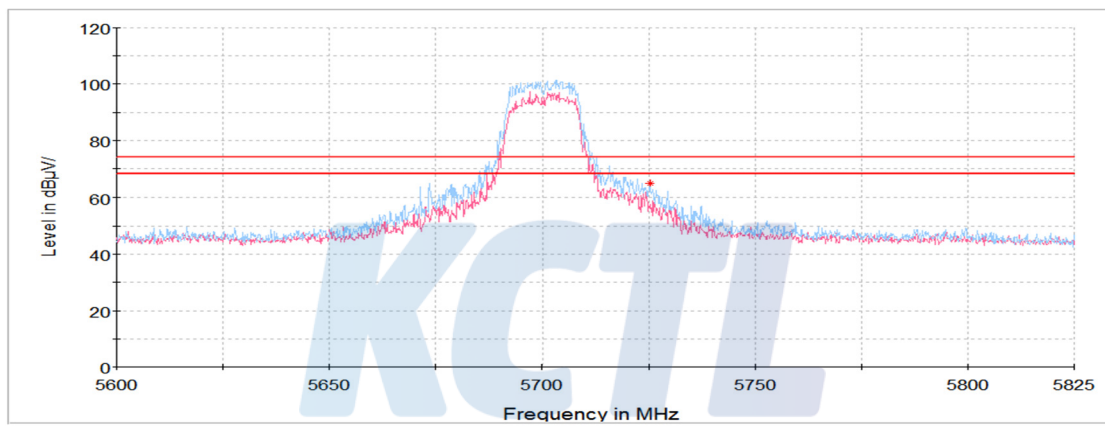
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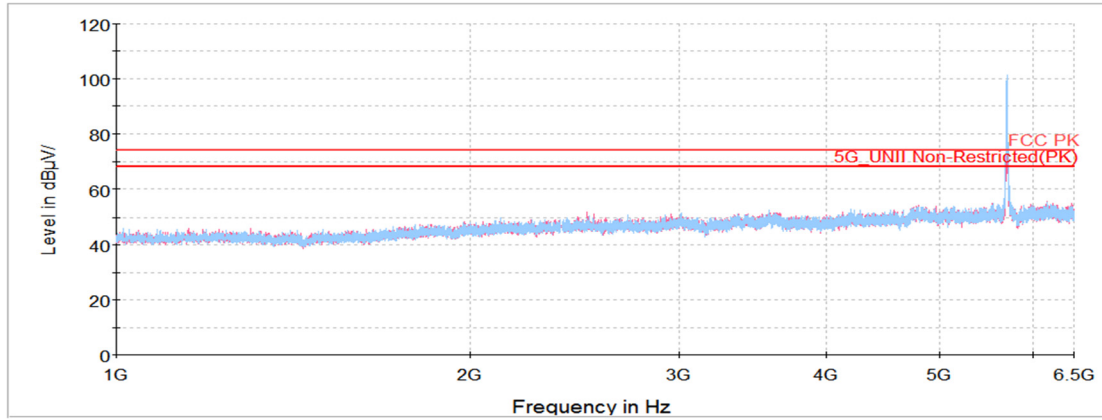
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KCTL**Highest Channel (5 700 MHz)**

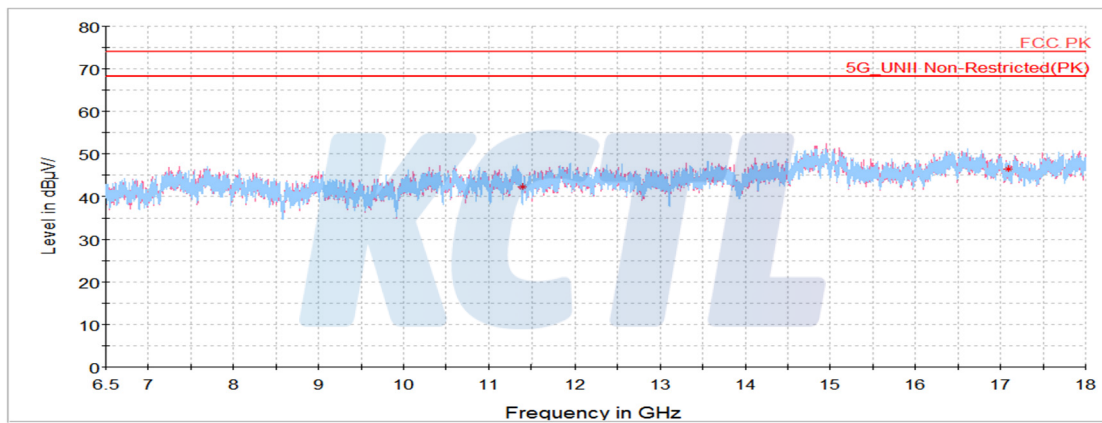
Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCCF	Result	Limit	Margin
(MHz)	(V/H)	(dB(μ V))	(dB)	(dB)	(dB)	(dB(μ V/m))	(dB(μ V/m))	(dB)
Peak data								
5 725.19	H	55.72	35.07	-25.92	-	64.87	68.20	3.33
11 399.72 ¹⁾	V	54.54	37.94	-50.19	-	42.29	74.00	31.71
17 100.48	V	52.43	41.26	-47.26	-	46.43	68.20	21.77
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

