

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

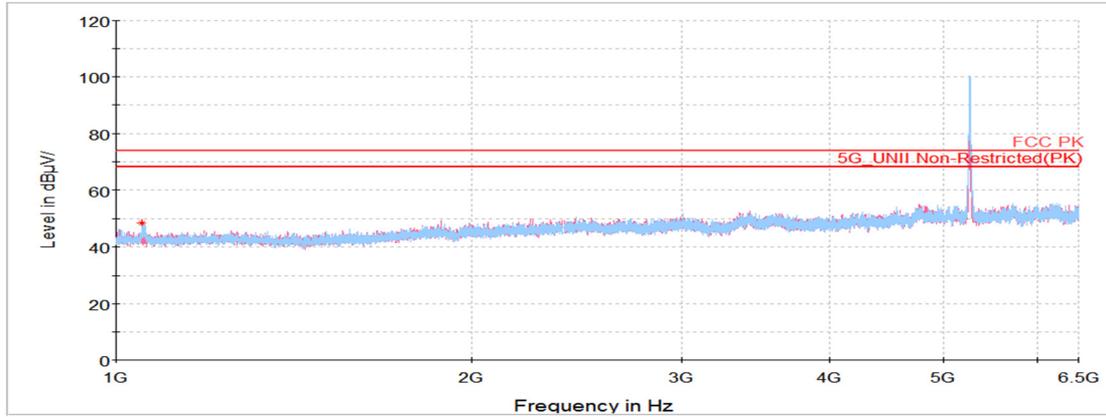
Page (131) of (219)

KCTL**802.11ac VHT20 UNII-2A****Lowest Channel (5 260 MHz)**

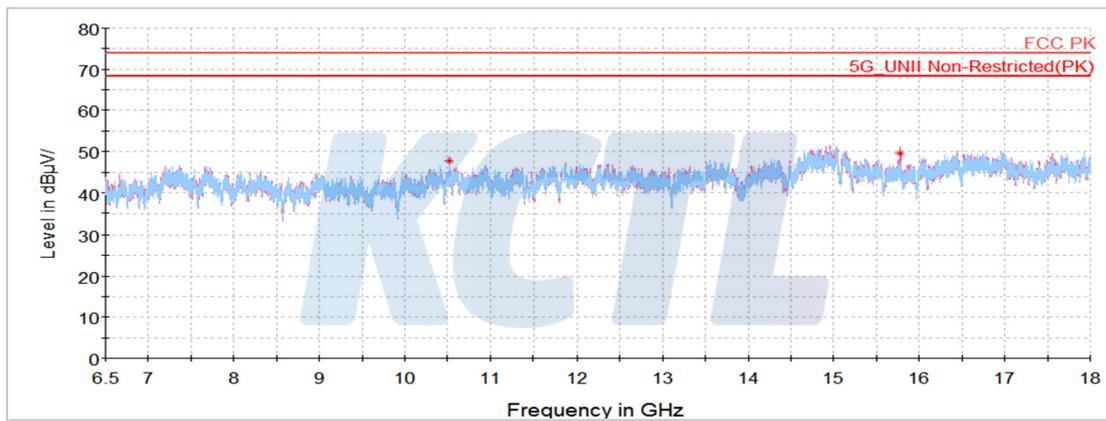
Frequency (MHz)	Reading (dB(μ V))	Pol. (V/H)	Ant. Factor (dB)	Amp.+Cable (dB)	DCCF (dB)	Result (dB(μ V/m))	Limit (dB(μ V/m))	Margin (dB)
Peak data								
1 050.70 ¹⁾	71.29	H	27.82	-50.61	-	48.50	74.00	25.50
10 522.13	59.93	V	37.41	-49.70	-	47.64	68.20	20.56
15 779.42 ¹⁾	58.18	V	40.06	-48.70	-	49.54	74.00	24.46
Average Data								
No spurious emissions were detected within 20 dB of the limit.								

KCTL

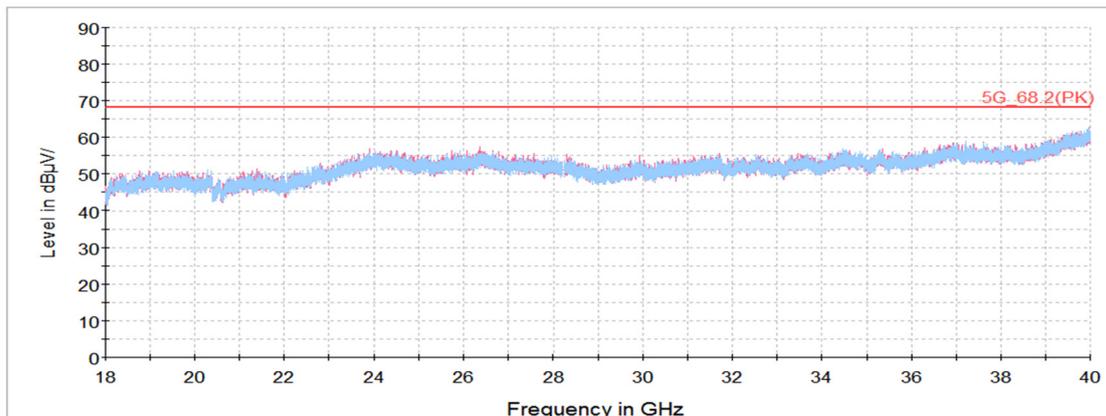
Horizontal/Vertical for 1 GHz ~ 6.5 GHz



Horizontal/Vertical for 6.5 GHz ~ 18 GHz



Horizontal/Vertical for 18 GHz ~ 40 GHz



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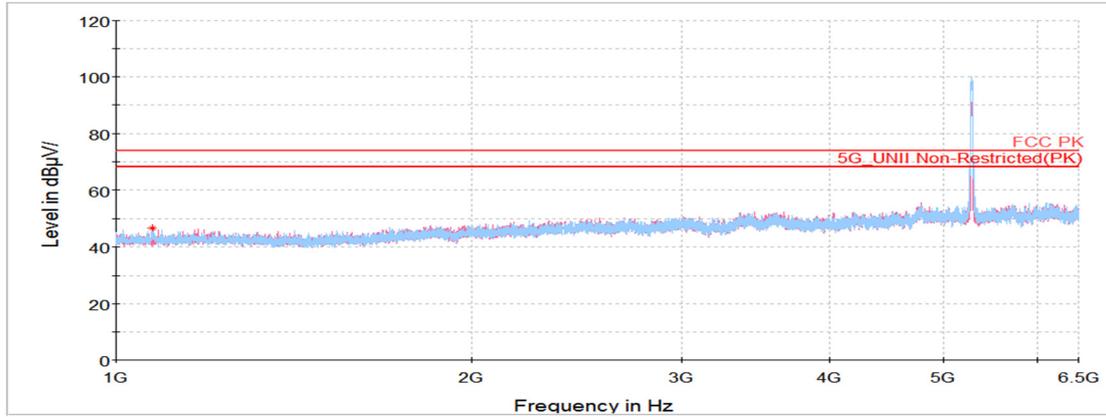
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KCTL**Middle Channel (5 280 MHz)**

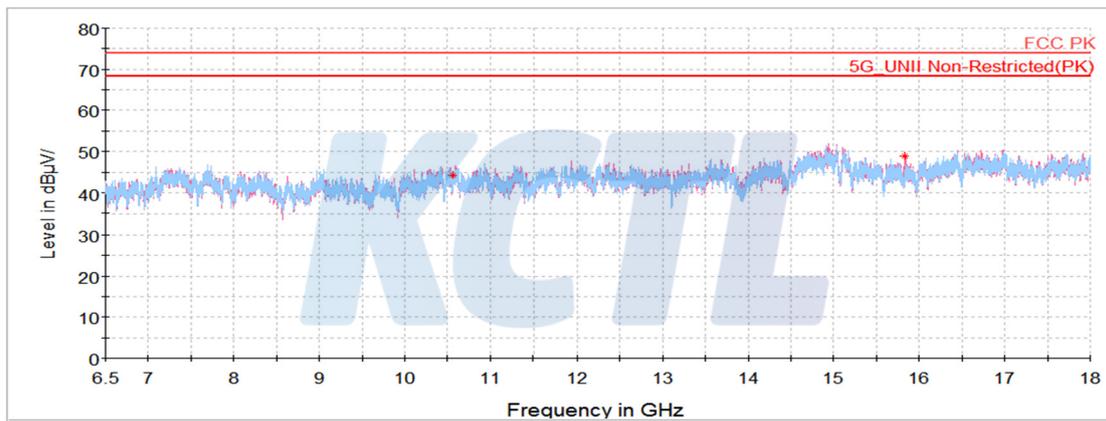
Frequency (MHz)	Reading (dB(μ V))	Pol. (V/H)	Ant. Factor (dB)	Amp.+Cable (dB)	DCCF (dB)	Result (dB(μ V/m))	Limit (dB(μ V/m))	Margin (dB)
Peak data								
1 073.22 ¹⁾	69.52	H	27.83	-50.61	-	46.74	74.00	27.26
10 560.22	56.59	H	37.44	-49.79	-	44.24	68.20	23.96
15 838.00 ¹⁾	57.63	V	40.07	-48.73	-	48.97	74.00	25.03
Average Data								
No spurious emissions were detected within 20 dB of the limit.								

KCTL

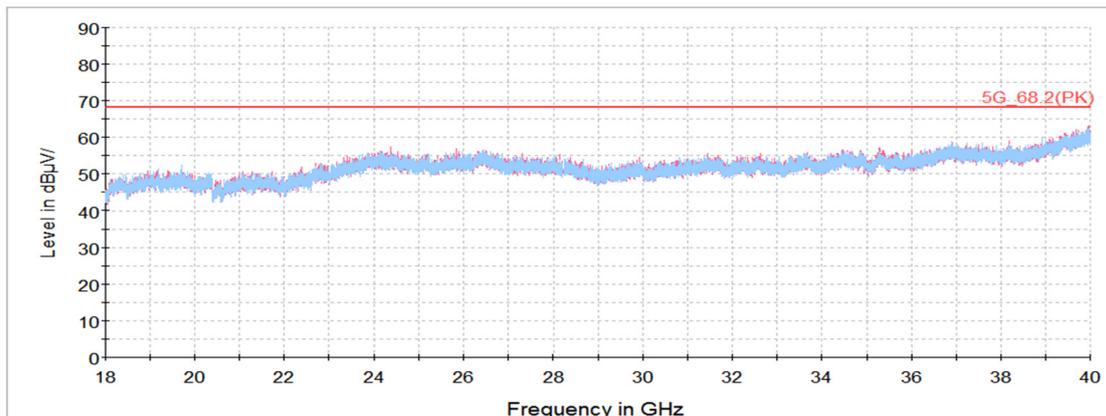
Horizontal/Vertical for 1 GHz ~ 6.5 GHz



Horizontal/Vertical for 6.5 GHz ~ 18 GHz



Horizontal/Vertical for 18 GHz ~ 40 GHz



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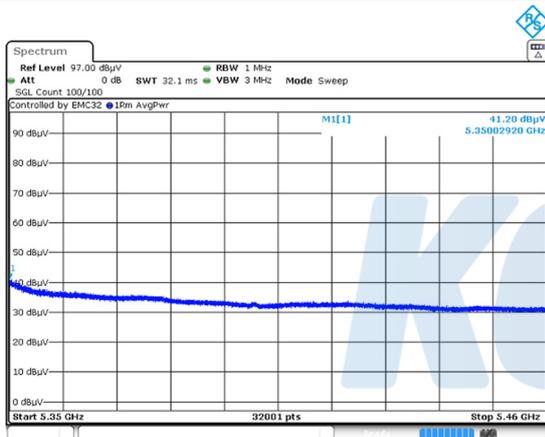
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Highest Channel (5 320 MHz)

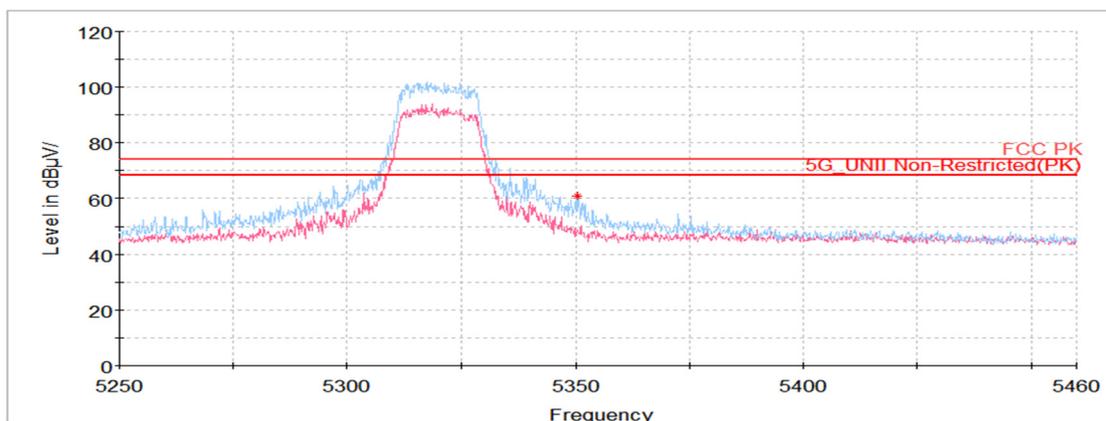
Frequency	Reading	Pol.	Ant. Factor	Amp.+Cable	DCCF	Result	Limit	Margin
(MHz)	(dB(μV))	(V/H)	(dB)	(dB)	(dB)	(dB(μV/m))	(dB(μV/m))	(dB)
Peak data								
1 116.53 ¹⁾	67.74	H	27.85	-50.48	-	45.11	74.00	28.89
5 350.03 ¹⁾	53.07	H	34.56	-26.84	-	60.79	74.00	13.21
10 638.92 ¹⁾	57.00	V	37.48	-49.96	-	44.52	68.20	23.68
15 960.19 ¹⁾	55.36	V	40.09	-48.79	-	46.66	74.00	27.34
Average Data								
5 350.03 ¹⁾	41.45	H	34.56	-26.84	-	49.17	54.00	4.83

Average data

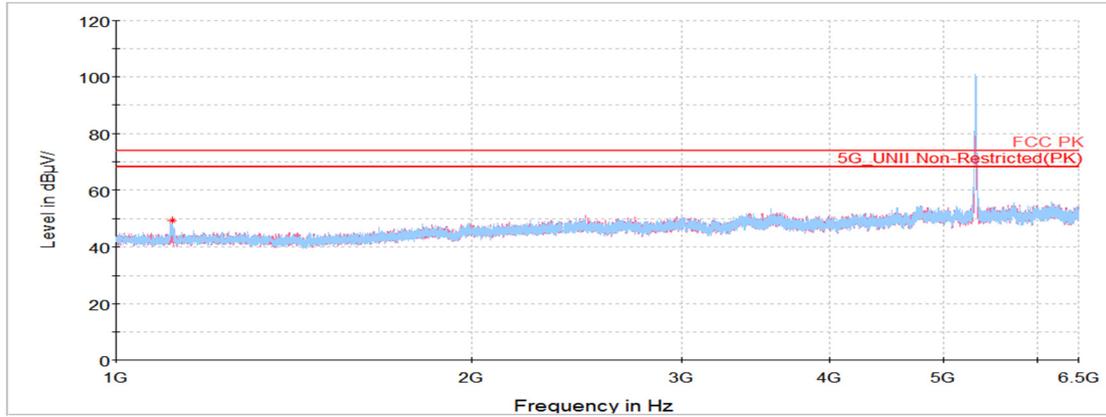


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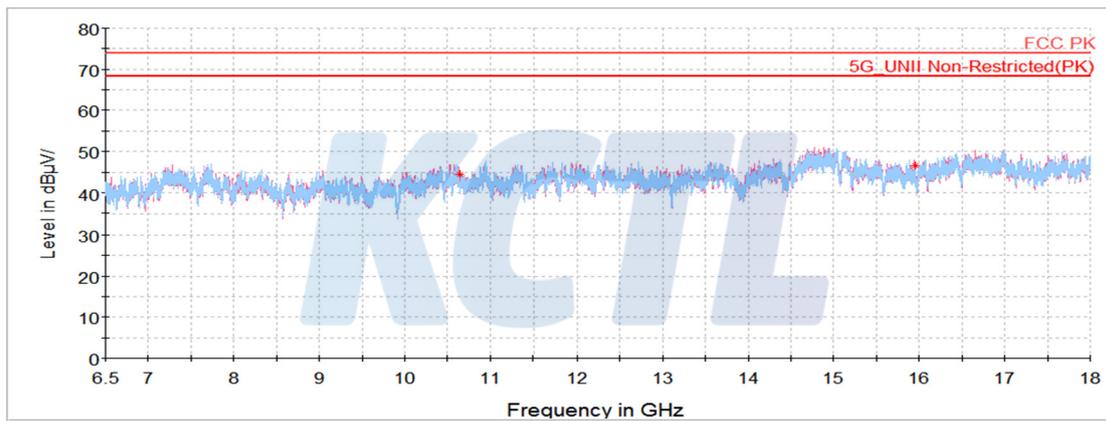
Horizontal/Vertical for Band-edge



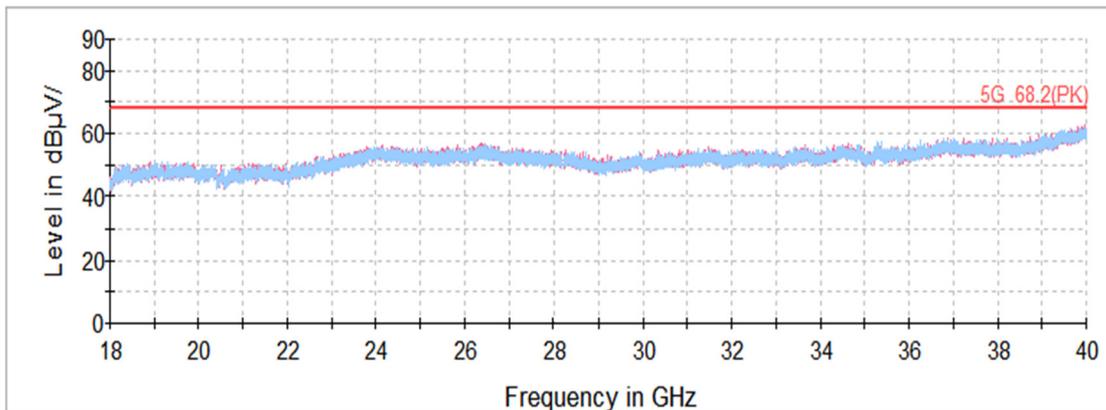
Horizontal/Vertical for 1 GHz ~ 6.5 GHz



Horizontal/Vertical for 6.5 GHz ~ 18 GHz



Horizontal/Vertical for 18 GHz ~ 40 GHz



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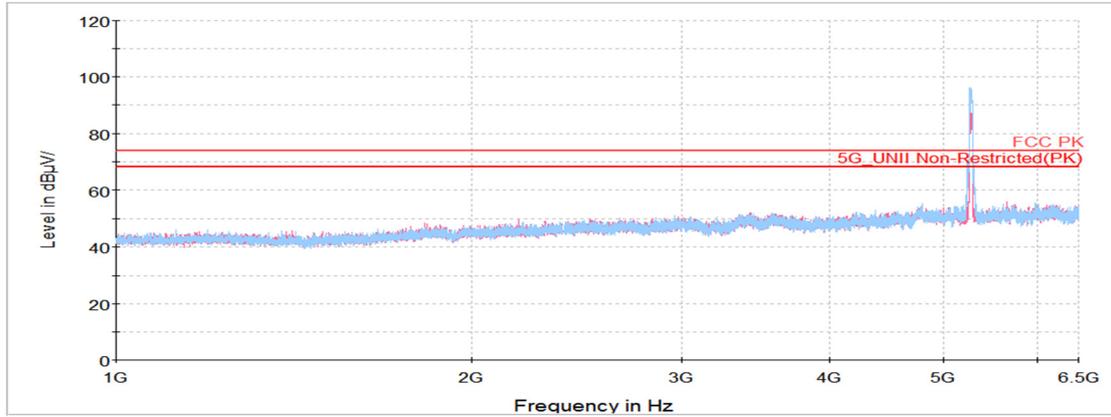
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KCTL**802.11ac VHT40 UNII-2A****Lowest Channel (5 270 MHz)**

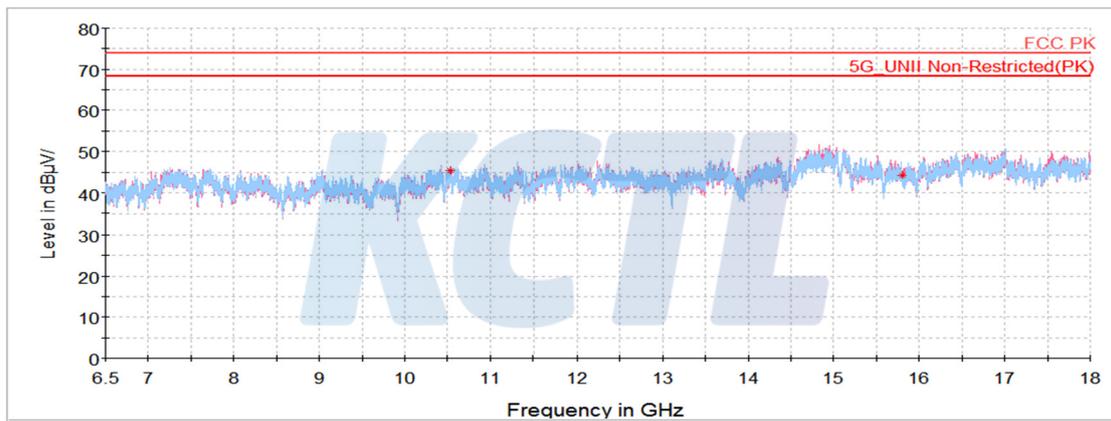
Frequency (MHz)	Reading (dB(μ V))	Pol. (V/H)	Ant. Factor (dB)	Amp.+Cable (dB)	DCCF (dB)	Result (dB(μ V/m))	Limit (dB(μ V/m))	Margin (dB)
Peak data								
10 540.81	57.39	V	37.42	-49.74	-	45.07	68.20	23.13
15 808.53 ¹⁾	54.01	V	40.06	-48.71	-	45.36	74.00	28.64
Average Data								
No spurious emissions were detected within 20 dB of the limit.								

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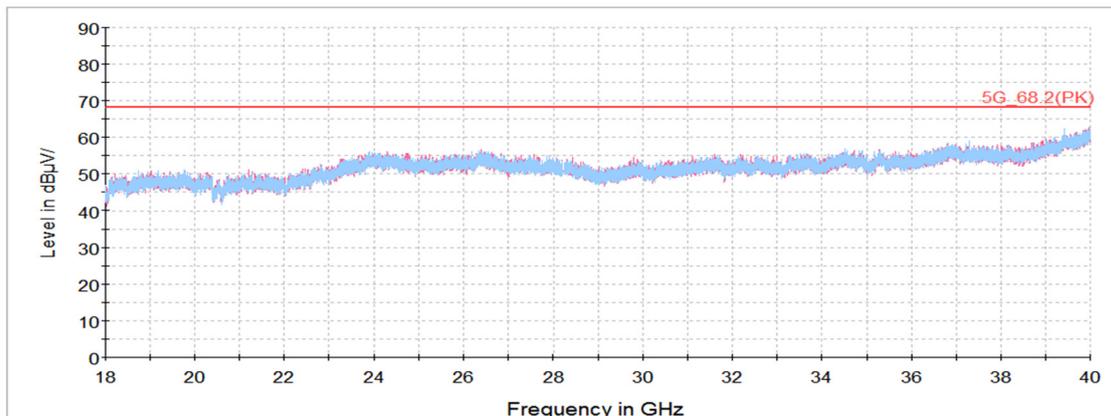
Horizontal/Vertical for 1 GHz ~ 6.5 GHz



Horizontal/Vertical for 6.5 GHz ~ 18 GHz



Horizontal/Vertical for 18 GHz ~ 40 GHz



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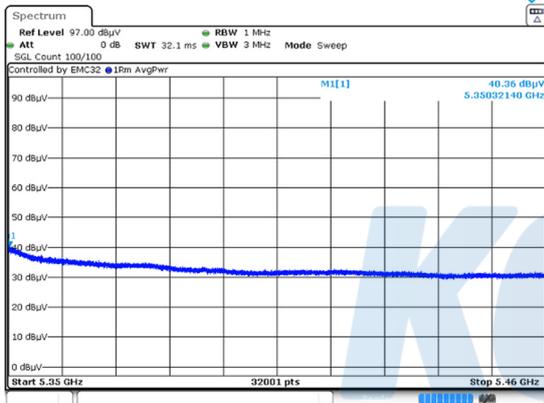
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Highest Channel (5 310 MHz)

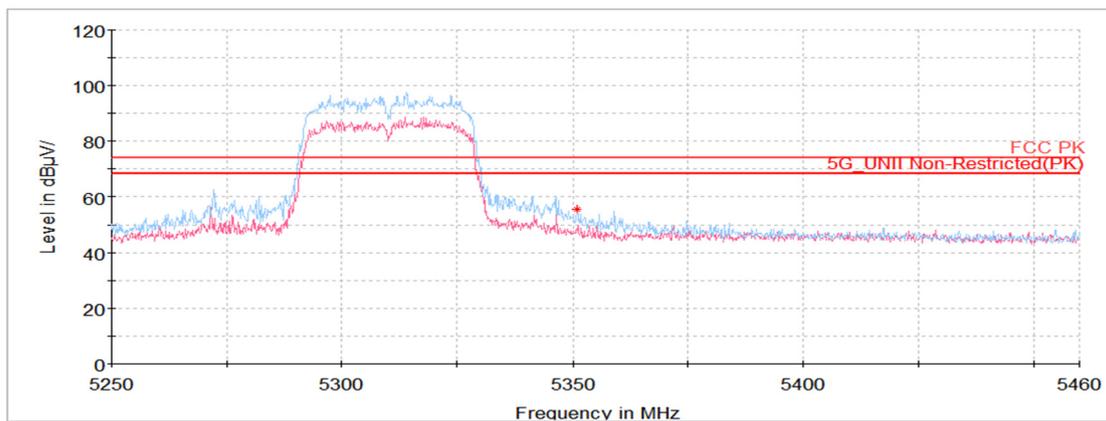
Frequency	Reading	Pol.	Ant. Factor	Amp.+Cable	DCCF	Result	Limit	Margin
(MHz)	(dB(μV))	(V/H)	(dB)	(dB)	(dB)	(dB(μV/m))	(dB(μV/m))	(dB)
Peak data								
5 350.32 ¹⁾	47.69	H	34.56	-26.84	-	55.41	74.00	18.59
10 619.16 ¹⁾	57.20	V	37.47	-49.92	-	44.75	74.00	29.25
15 930.72 ¹⁾	53.76	H	40.09	-48.78	-	45.07	74.00	28.93
Average Data								
5 350.32 ¹⁾	40.36	H	34.56	-26.84	0.10	48.18	54.00	5.82

Average data

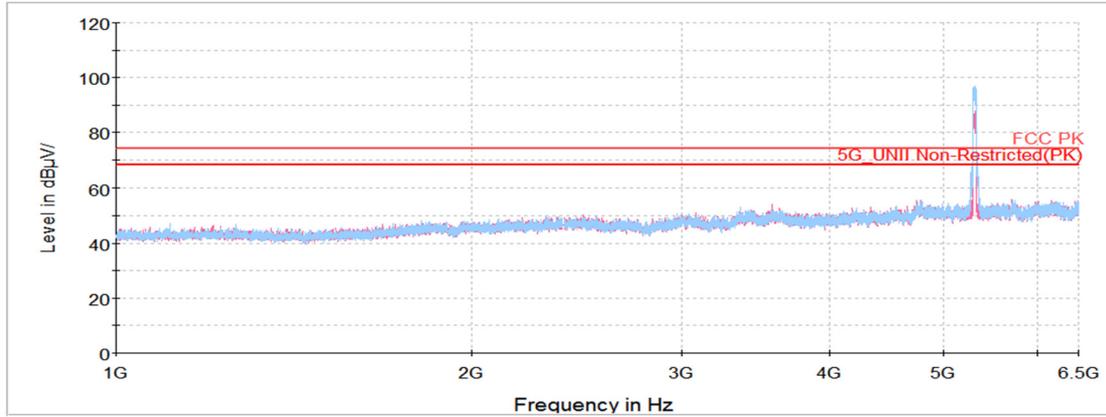


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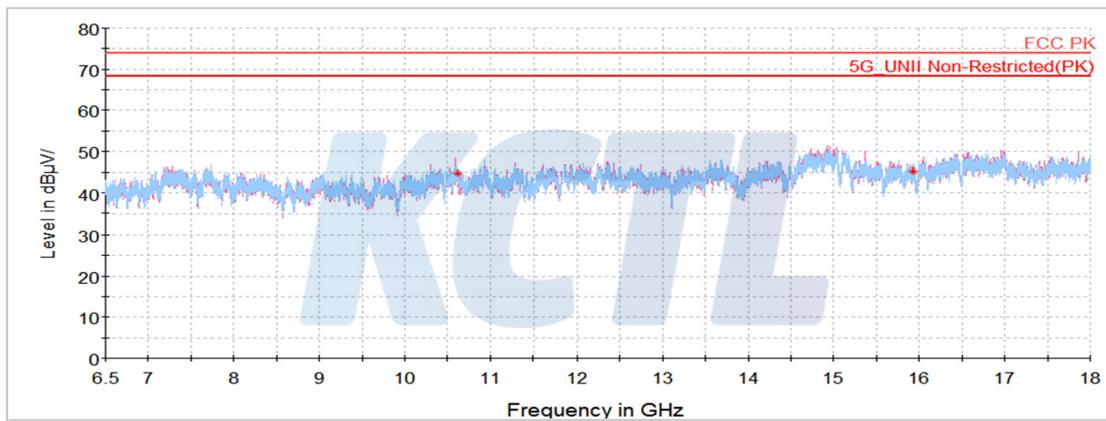
Horizontal/Vertical for Band-edge



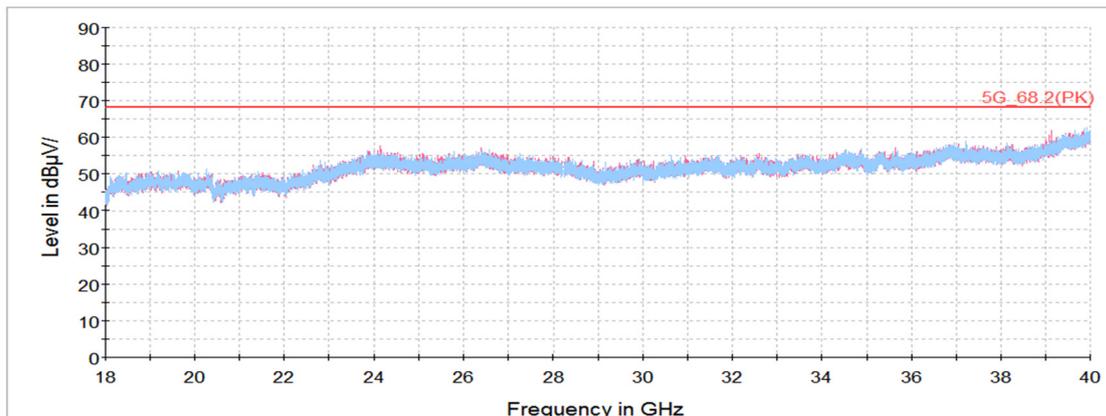
Horizontal/Vertical for 1 GHz ~ 6.5 GHz



Horizontal/Vertical for 6.5 GHz ~ 18 GHz



Horizontal/Vertical for 18 GHz ~ 40 GHz



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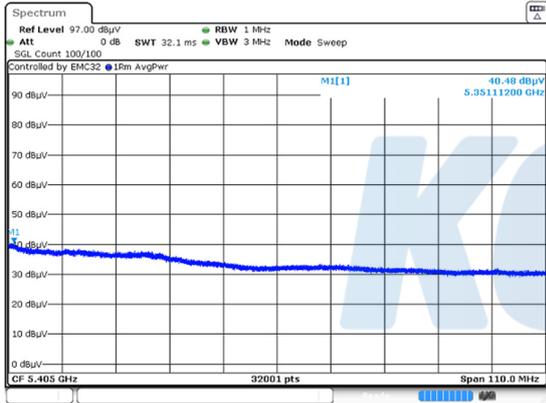


802.11ac VHT80 UNII-2A

Lowest Channel (5 290 MHz)

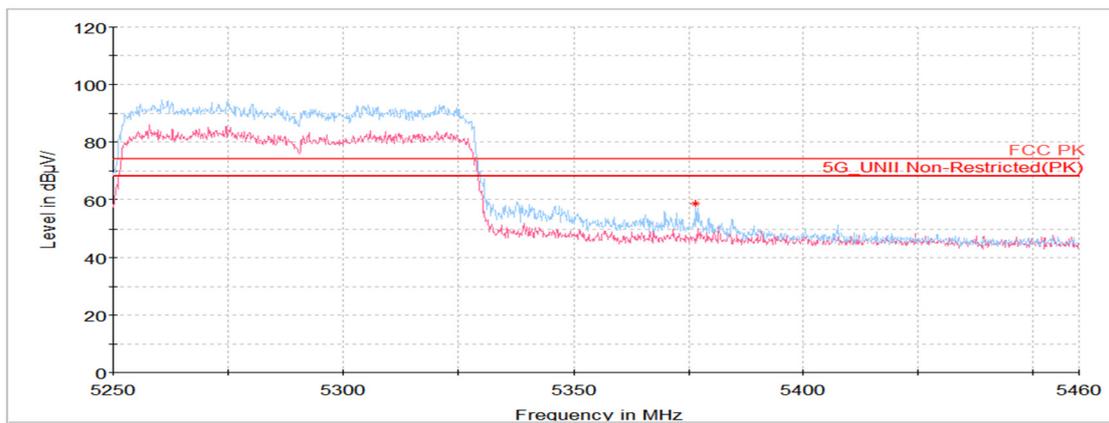
Frequency	Reading	Pol.	Ant. Factor	Amp.+Cable	DCCF	Result	Limit	Margin
(MHz)	(dB(μV))	(V/H)	(dB)	(dB)	(dB)	(dB(μV/m))	(dB(μV/m))	(dB)
Peak data								
5351.11 ¹⁾	50.84	H	34.56	-26.84	-	58.56	74.00	15.44
10578.91 ¹⁾	57.09	H	37.45	-49.83	-	44.71	68.20	23.49
15870.70 ¹⁾	55.75	H	40.07	-48.75	-	47.07	74.00	26.93
Average Data								
5351.11 ¹⁾	40.48	H	34.56	-26.84	0.22	48.42	54.00	5.58

Average data

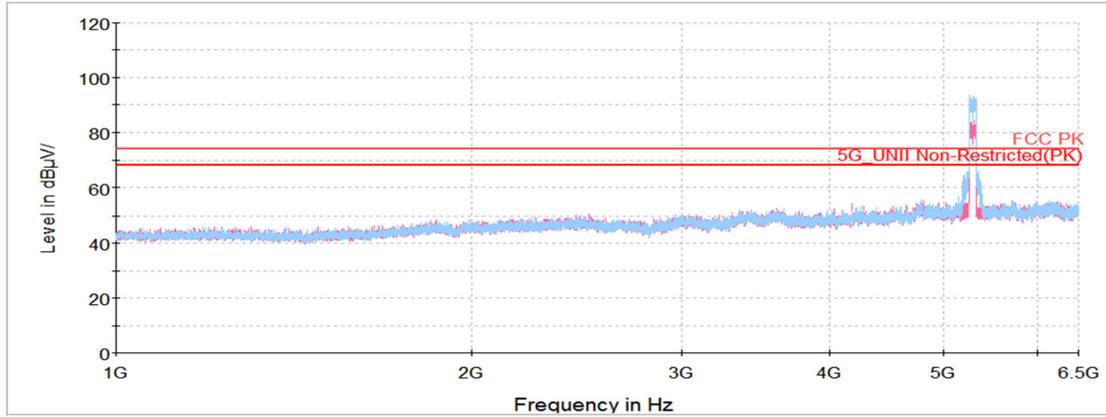


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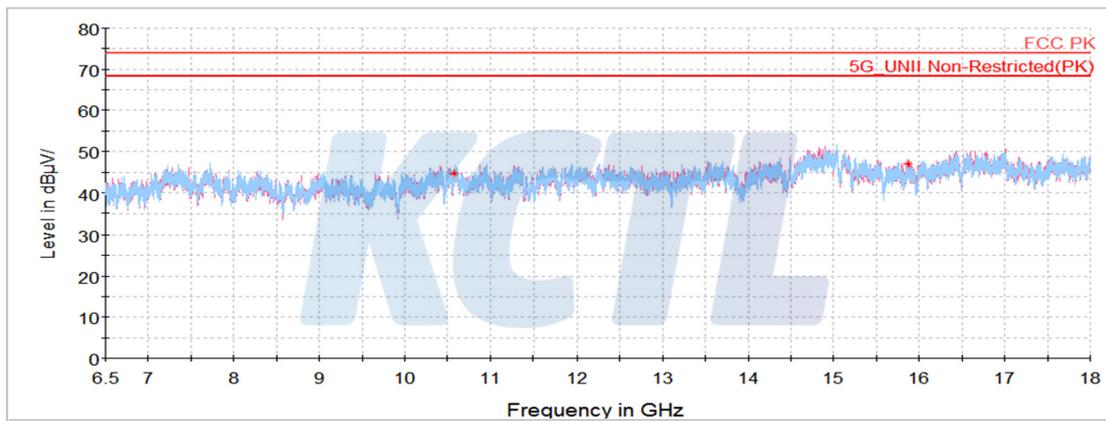
Horizontal/Vertical for Band-edge



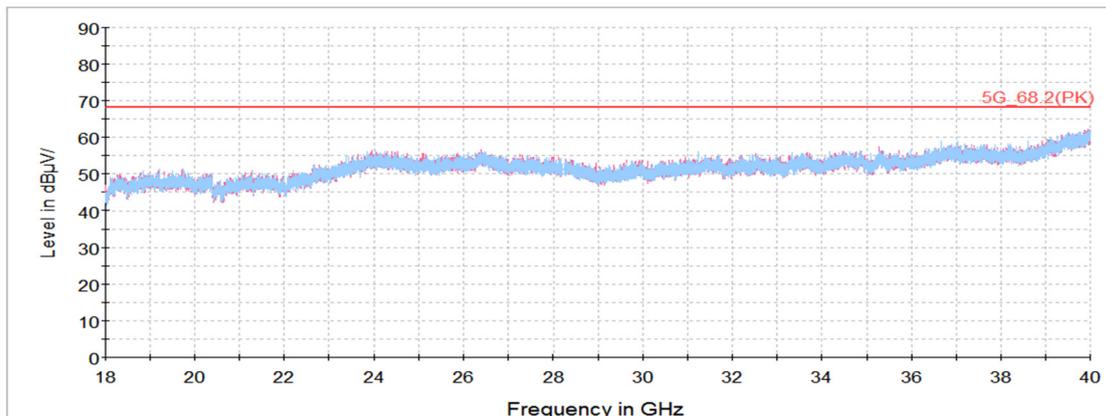
Horizontal/Vertical for 1 GHz ~ 6.5 GHz



Horizontal/Vertical for 6.5 GHz ~ 18 GHz



Horizontal/Vertical for 18 GHz ~ 40 GHz



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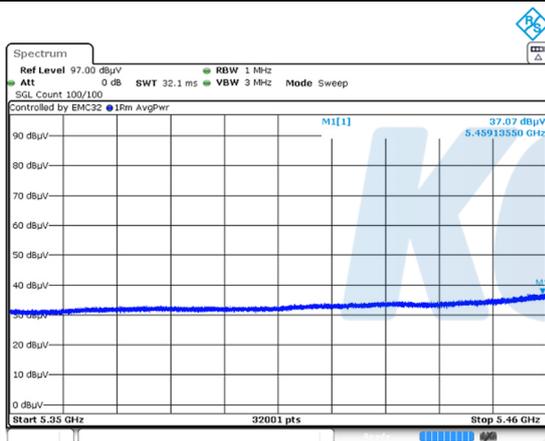


802.11a UNII-2C

Lowest Channel (5 500 MHz)

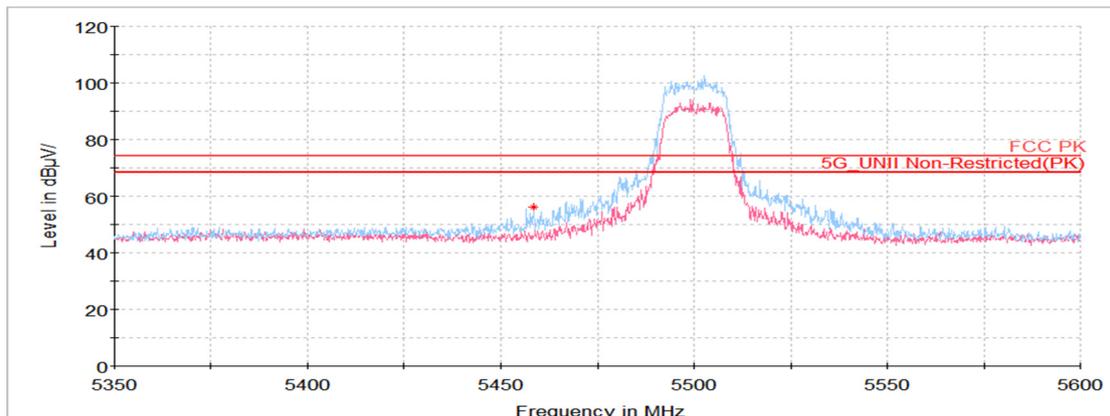
Frequency	Reading	Pol.	Ant. Factor	Amp.+Cable	DCCF	Result	Limit	Margin
(MHz)	(dB(μ V))	(V/H)	(dB)	(dB)	(dB)	(dB(μ V/m))	(dB(μ V/m))	(dB)
Peak data								
1 294.59	70.83	H	27.92	-50.08	-	48.67	68.20	19.53
5 459.14 ¹⁾	48.52	H	34.73	-27.34	-	55.91	74.00	18.09
10 998.66 ¹⁾	56.97	H	37.70	-50.75	-	43.92	74.00	30.08
16 499.25	49.76	V	42.00	-46.77	-	44.99	68.20	23.21
Average Data								
5 459.14 ¹⁾	37.07	H	34.73	-27.34	-	44.46	54.00	9.54

Average data



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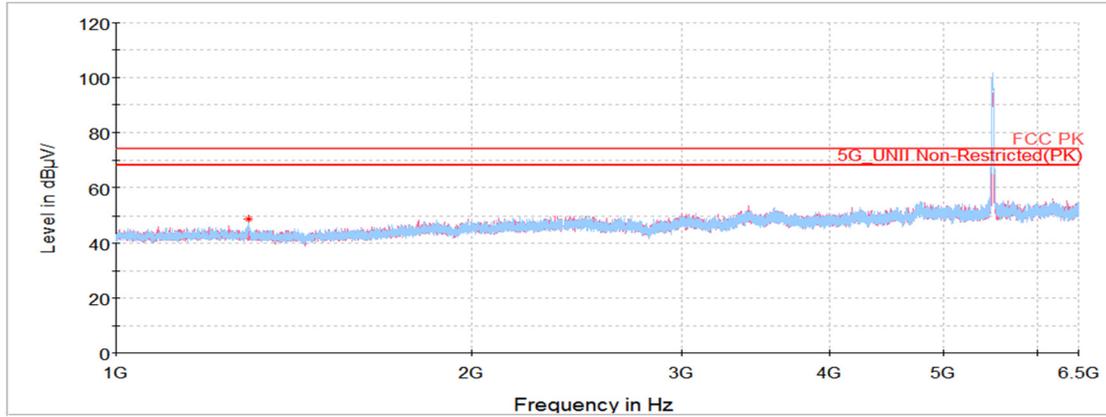
Horizontal/Vertical for Band-edge



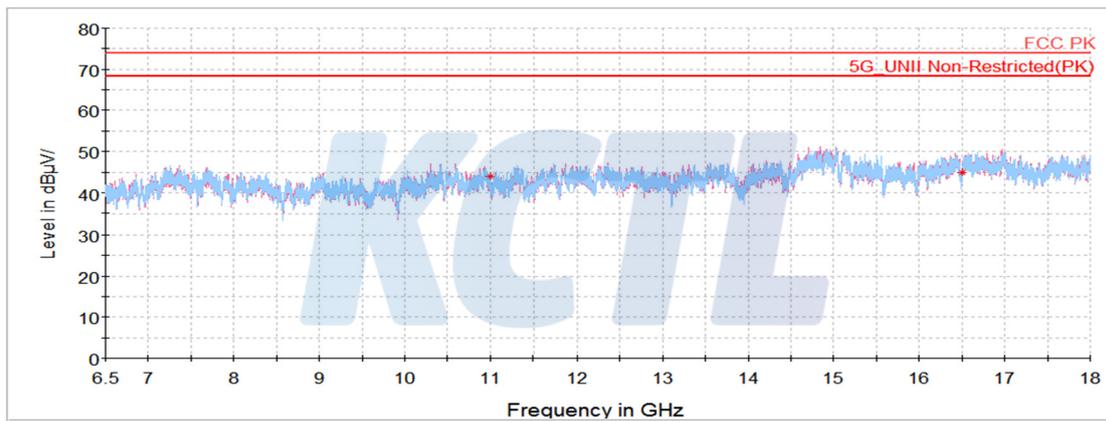
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KCTL-TIR001-003/2

Horizontal/Vertical for 1 GHz ~ 6.5 GHz



Horizontal/Vertical for 6.5 GHz ~ 18 GHz



Horizontal/Vertical for 18 GHz ~ 40 GHz

