

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-SRF0112-A

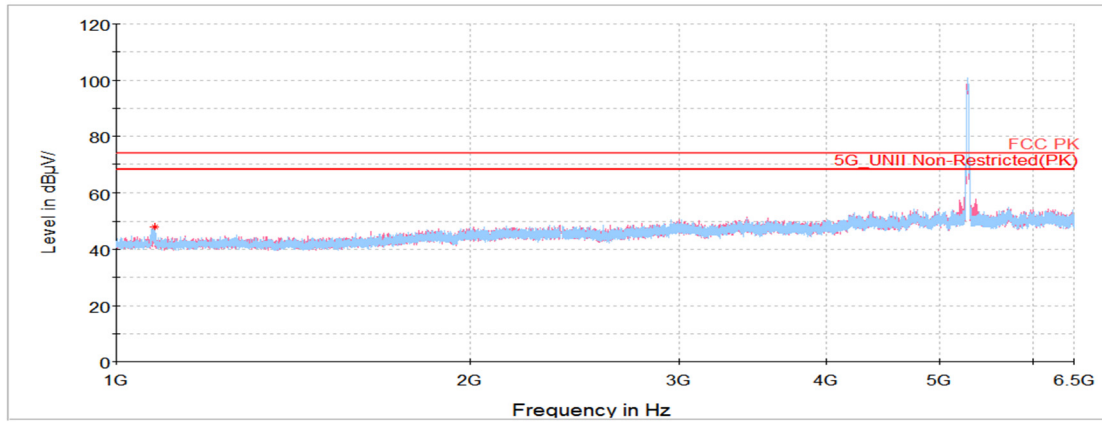
Page (98) of (158)

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

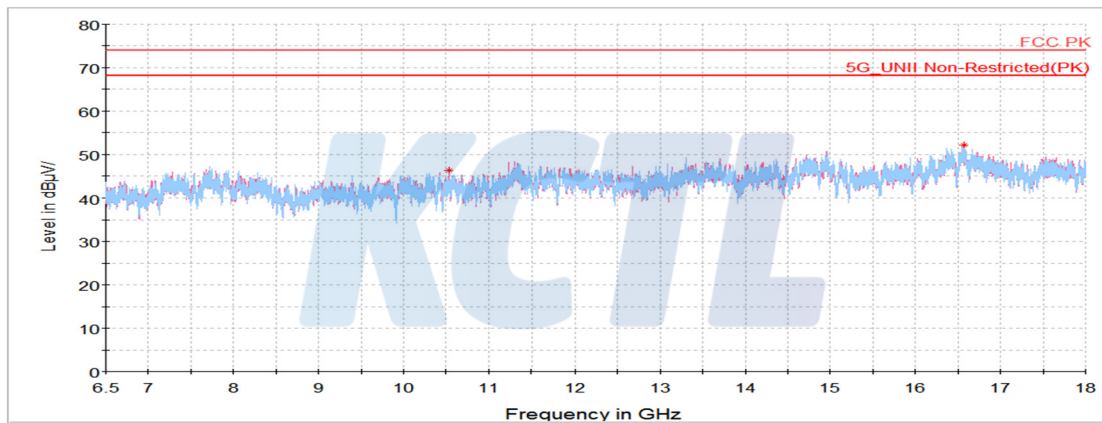
Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(MHz)	(V/H)	(dB(μ V))	(dB)	(dB)	(dB)	(dB(μ V/m))	(dB(μ V/m))	(dB)
Peak data								
10 534.70	V	60.49	37.42	-51.68	-	46.23	68.20	21.97
16 568.61	H	55.93	41.57	-45.39	-	52.11	68.20	16.09
Average Data								
No spurious emissions were detected within 20 dB of the limit.								

KCTL

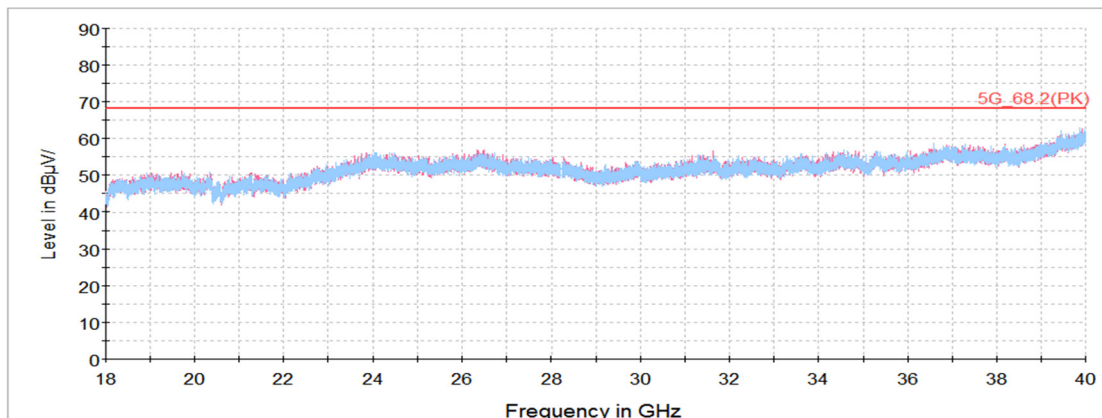
Horizontal/Vertical for 1 GHz ~ 6.5 GHz



Horizontal/Vertical for 6.5 GHz ~ 18 GHz



Horizontal/Vertical for 18 GHz ~ 40 GHz



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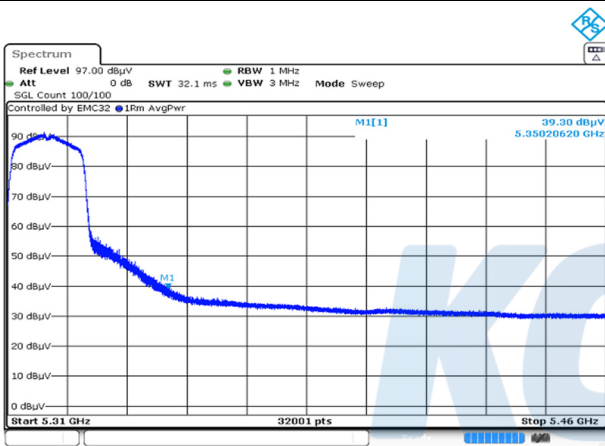
Page (100) of (158)



Highest Channel (5 320 MHz)

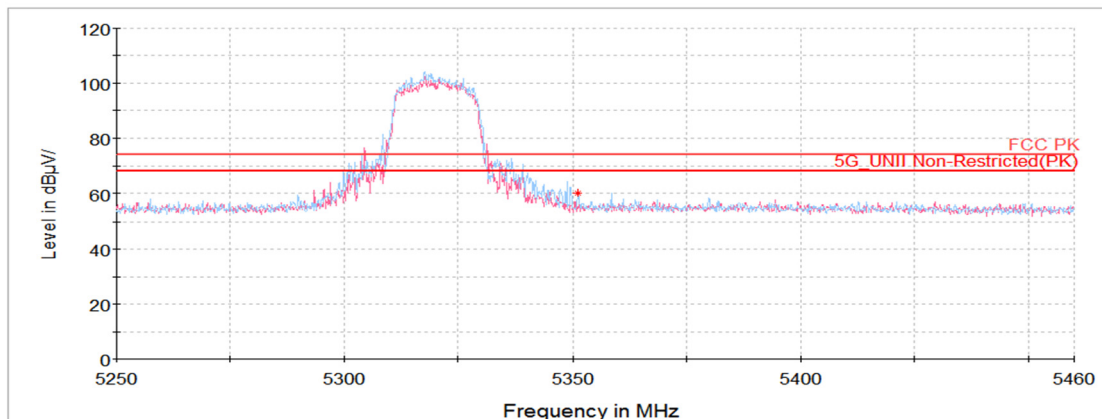
Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(MHz)	(V/H)	(dB(μV))	(dB)	(dB)	(dB)	(dB(μV/m))	(dB(μV/m))	(dB)
Peak data								
5 350.21 ¹⁾	V	52.36	34.56	-26.84	-	60.08	74.00	13.92
10 648.63 ¹⁾	V	59.40	37.49	-51.73	-	45.16	74.00	28.84
16 571.84	V	56.38	41.57	-45.40	-	52.55	68.20	15.65
Average Data								
5 350.21 ¹⁾	V	39.30	34.56	-26.84	0.15	47.17	54.00	6.83

Average data



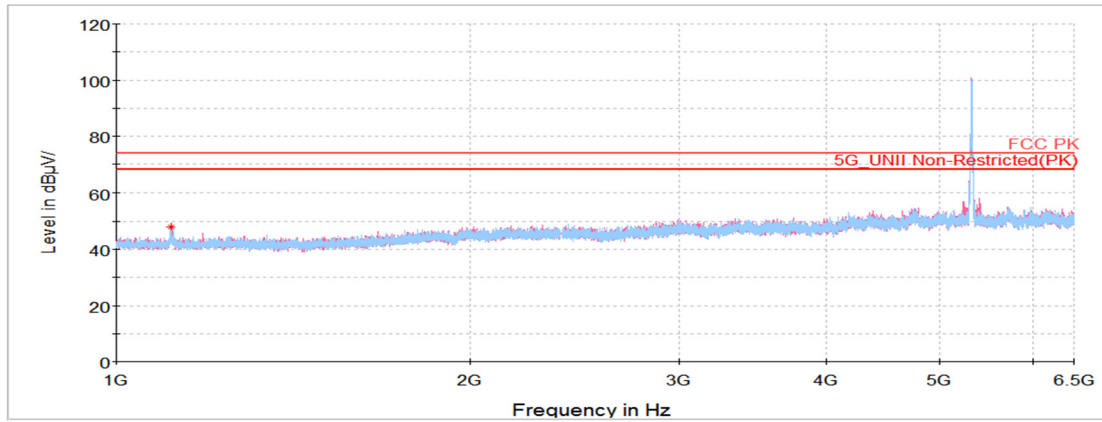
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Horizontal/Vertical for Band-edge

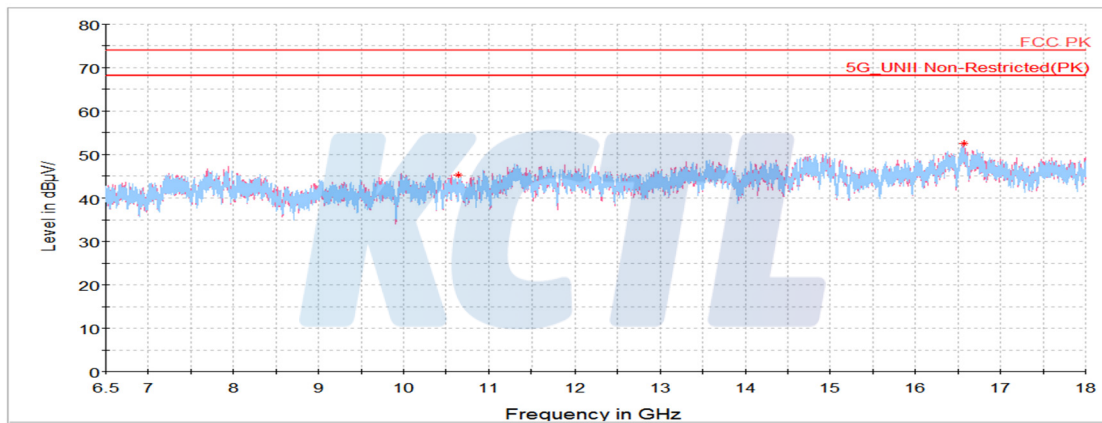


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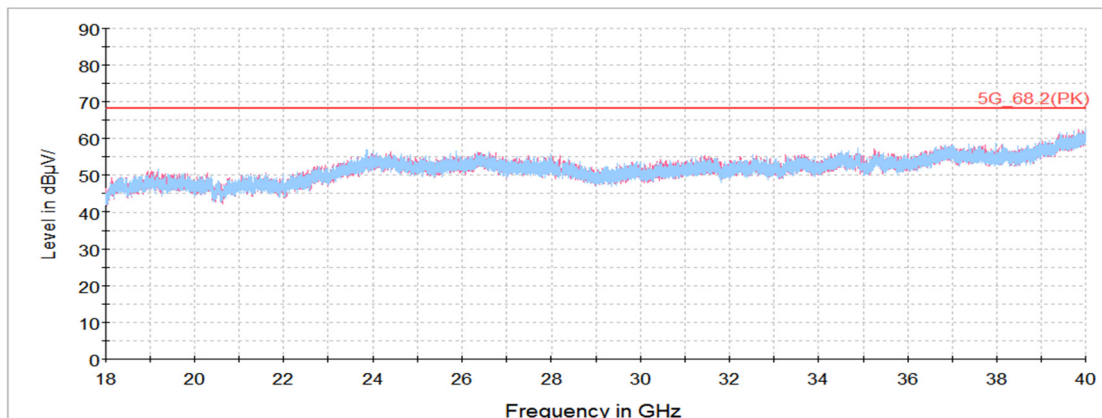
Horizontal/Vertical for 1 GHz ~ 6.5 GHz



Horizontal/Vertical for 6.5 GHz ~ 18 GHz



Horizontal/Vertical for 18 GHz ~ 40 GHz



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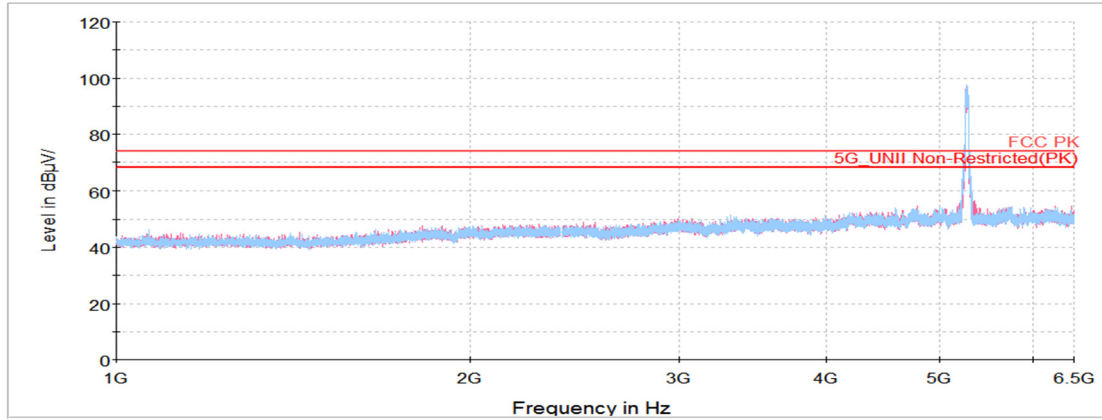
Page (102) of (158)

**802.11 HT40 UNII-2A****Lowest Channel (5 270 MHz)**

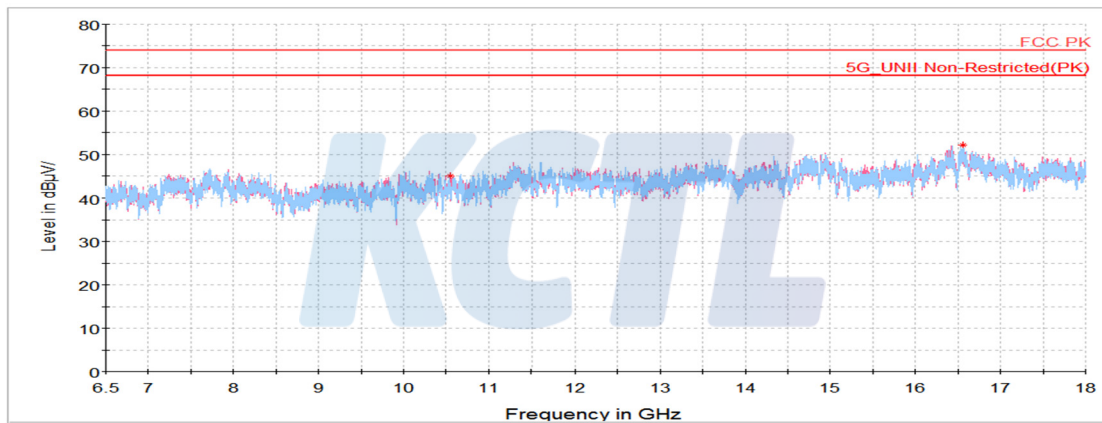
Frequency (MHz)	Pol. (V/H)	Reading (dB(μ V))	Ant. Factor (dB)	Amp.+Cable (dB)	DCF (dB)	Result (dB(μ V/m))	Limit (dB(μ V/m))	Margin (dB)
Peak data								
10 546.92	V	59.27	37.43	-51.69	-	45.01	68.20	23.19
16 565.38	V	55.87	41.57	-45.38	-	52.06	68.20	16.14
Average Data								
No spurious emissions were detected within 20 dB of the limit.								



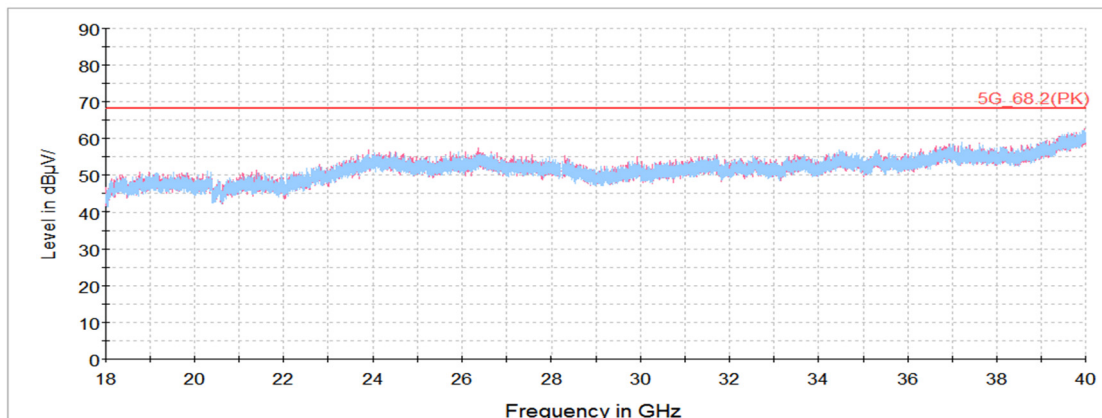
Horizontal/Vertical for 1 GHz ~ 6.5 GHz



Horizontal/Vertical for 6.5 GHz ~ 18 GHz



Horizontal/Vertical for 18 GHz ~ 40 GHz



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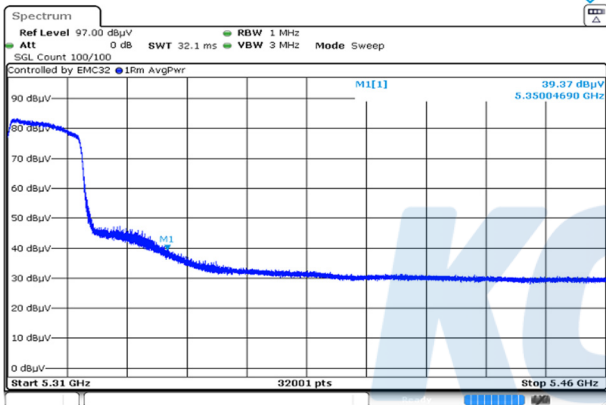
Page (104) of (158)



Highest Channel (5 310 MHz)

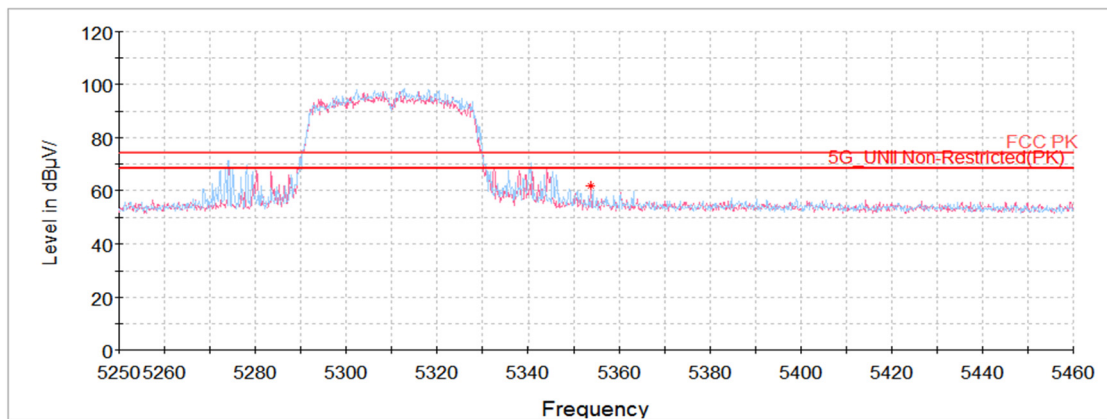
Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(MHz)	(V/H)	(dB(μV))	(dB)	(dB)	(dB)	(dB(μV/m))	(dB(μV/m))	(dB)
Peak data								
5 350.05 ¹⁾	V	54.06	34.56	-26.84	-	61.78	74.00	12.22
10 580.70	V	60.77	37.45	-51.70	-	46.52	68.20	21.68
16 566.81	V	56.63	41.57	-45.38	-	52.82	68.20	15.38
Average Data								
5 350.05 ¹⁾	V	39.37	34.56	-26.84	0.29	47.38	54.00	6.62

Average data



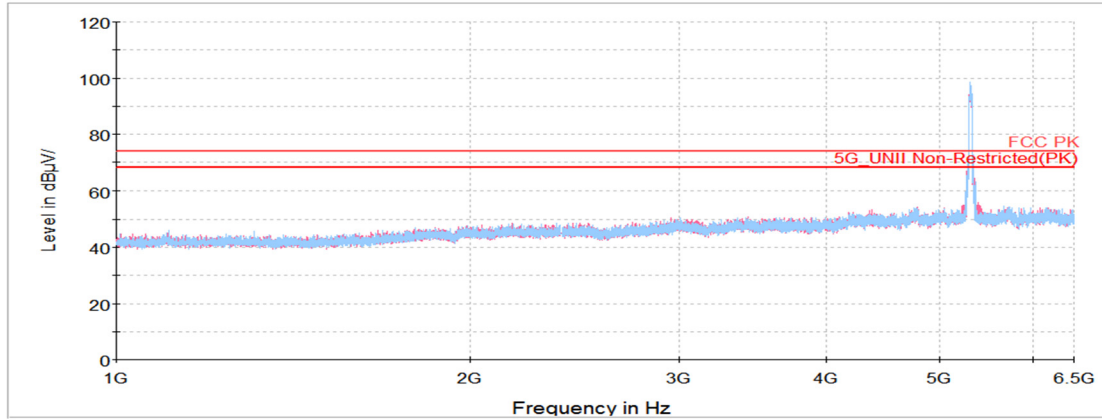
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Horizontal/Vertical for Band-edge

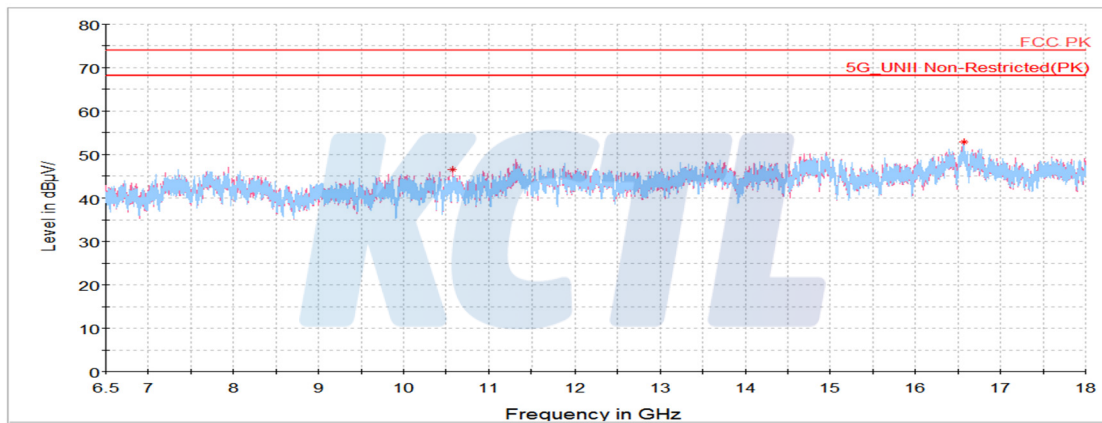


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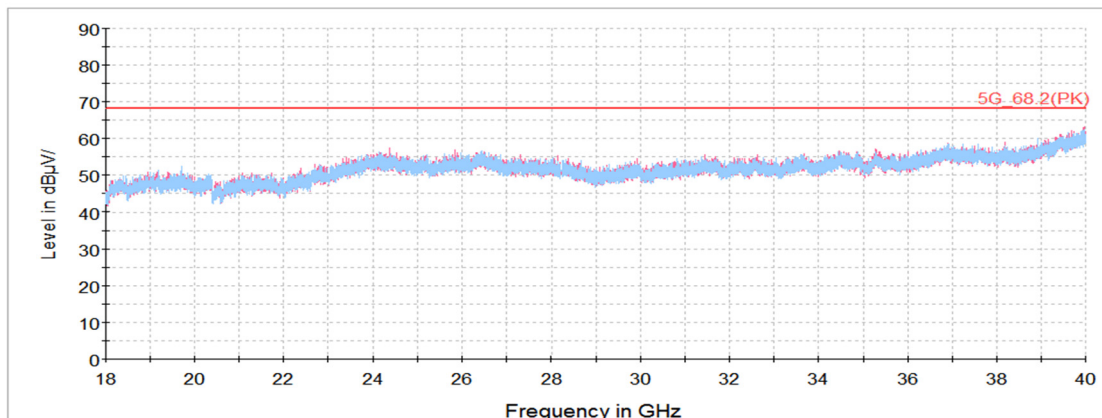
Horizontal/Vertical for 1 GHz ~ 6.5 GHz



Horizontal/Vertical for 6.5 GHz ~ 18 GHz



Horizontal/Vertical for 18 GHz ~ 40 GHz



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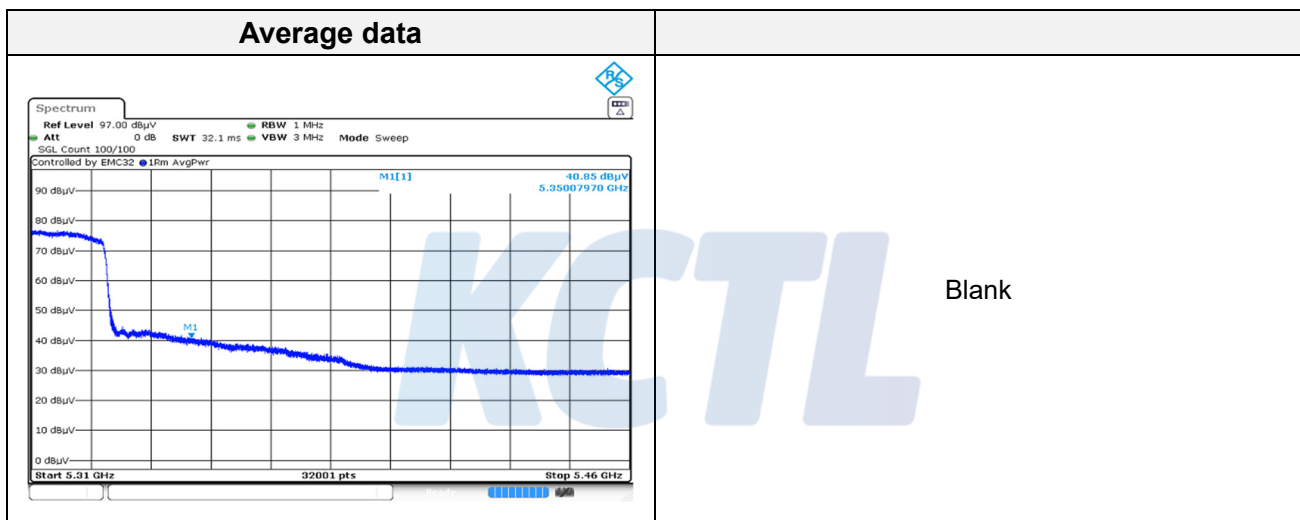
Page (106) of (158)



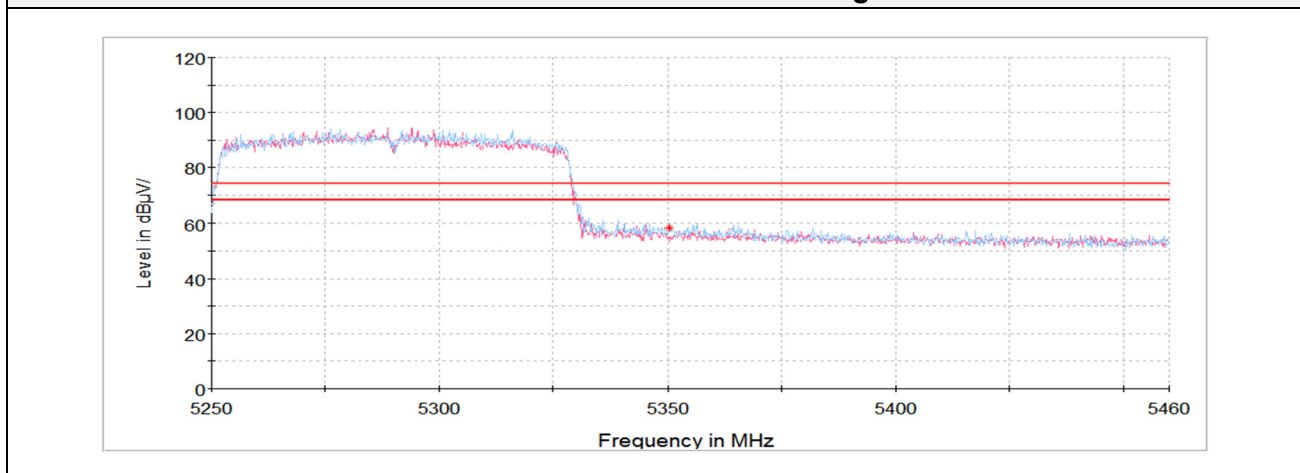
802.11ac VHT80 UNII-2A

Lowest Channel (5 290 MHz)

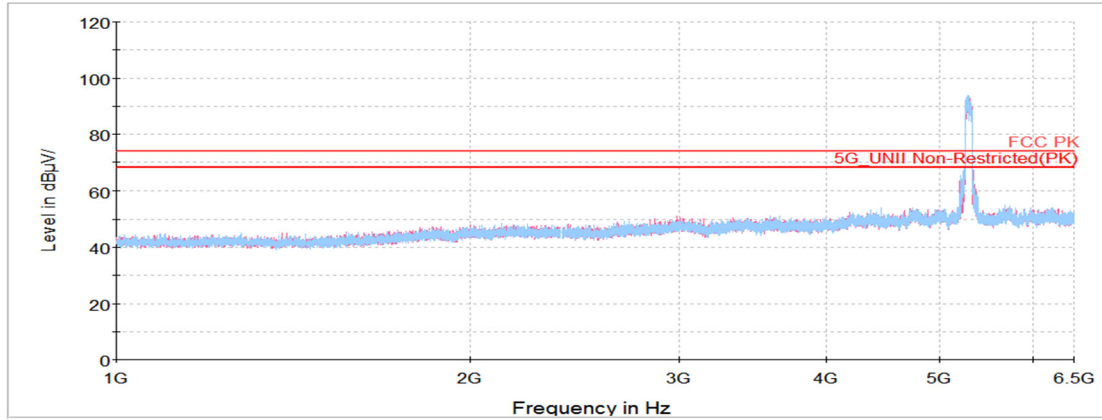
Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(MHz)	(V/H)	(dB(μV))	(dB)	(dB)	(dB)	(dB(μV/m))	(dB(μV/m))	(dB)
Peak data								
5 350.08 ¹⁾	V	50.50	34.56	-26.84	-	58.22	74.00	15.78
10 600.11 ¹⁾	V	58.91	37.45	-51.70	-	45.11	74.00	28.89
16 563.22	H	55.22	40.07	-48.59	-	52.36	74.00	21.64
Average Data								
5 350.08 ¹⁾	V	40.85	34.56	-26.84	0.57	49.14	54.00	4.86



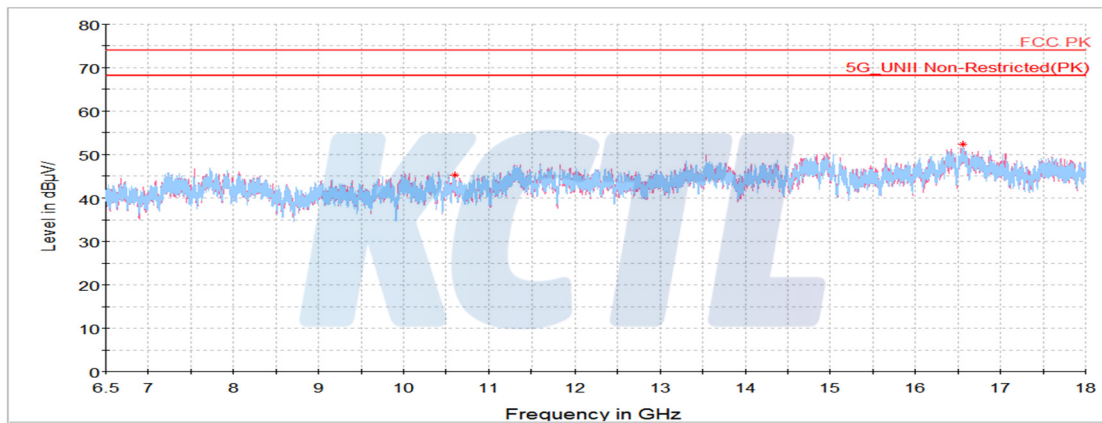
Horizontal/Vertical for Band-edge



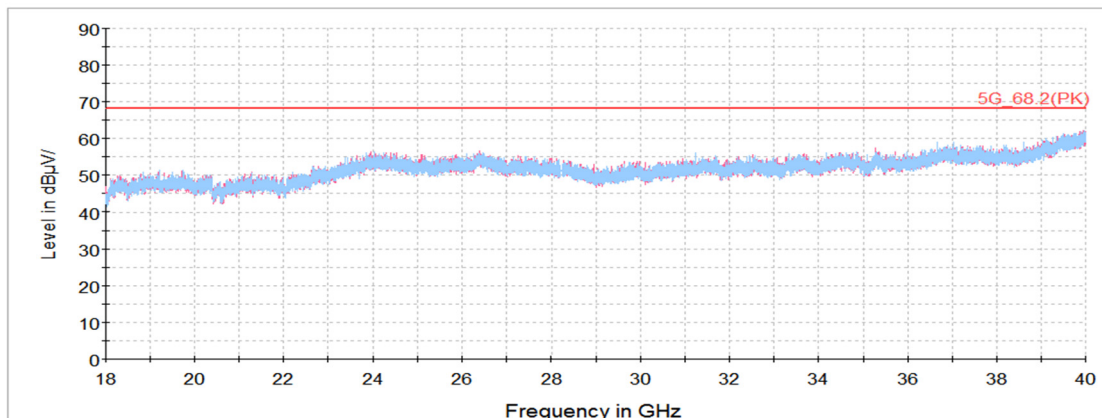
Horizontal/Vertical for 1 GHz ~ 6.5 GHz



Horizontal/Vertical for 6.5 GHz ~ 18 GHz



Horizontal/Vertical for 18 GHz ~ 40 GHz



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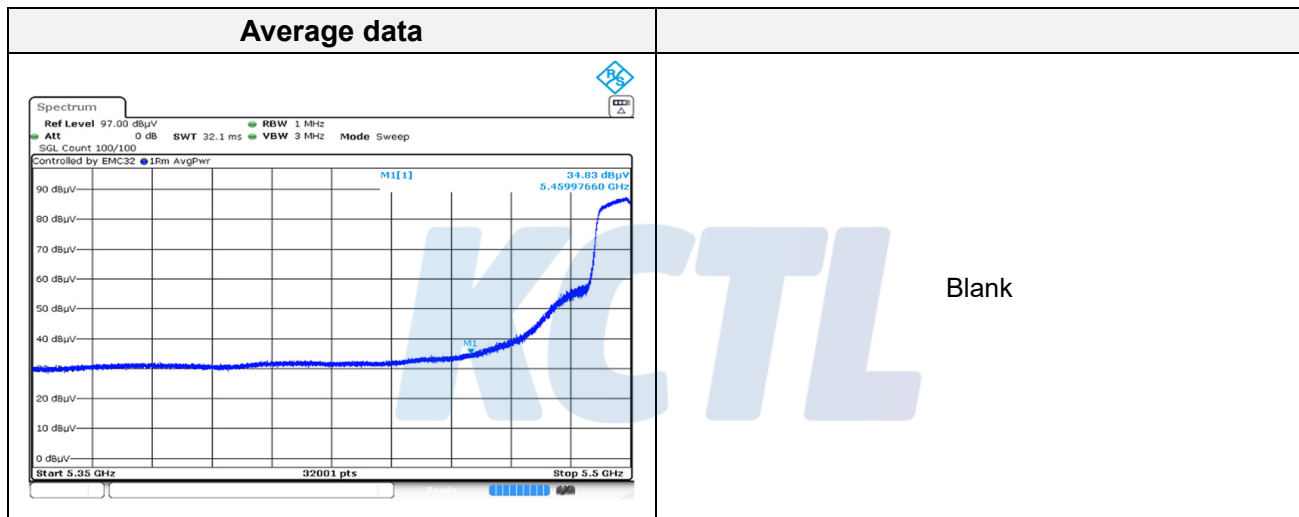
Page (108) of (158)



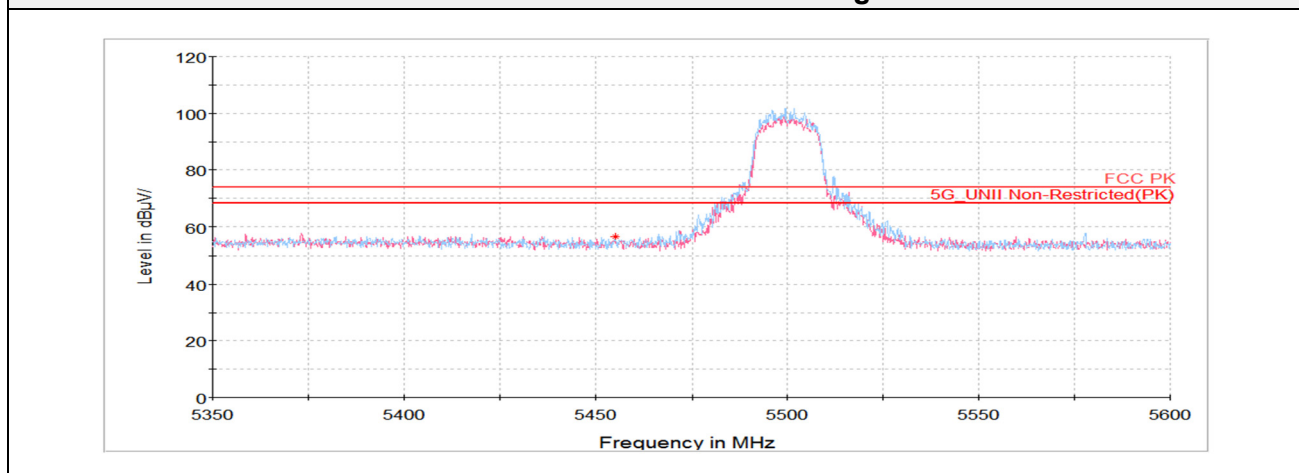
802.11a UNII-2C

Lowest Channel (5 500 MHz)

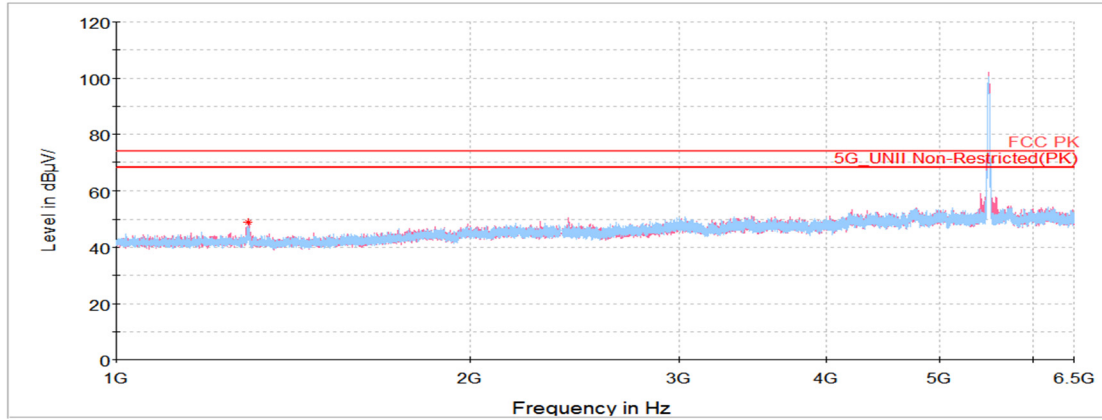
Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(MHz)	(V/H)	(dB(μ V))	(dB)	(dB)	(dB)	(dB(μ V/m))	(dB(μ V/m))	(dB)
Peak data								
5 459.98 ¹⁾	H	49.03	34.74	-27.35	-	56.42	74.00	17.58
10 991.47 ¹⁾	V	65.09	37.69	-51.89	-	50.89	74.00	23.11
16 594.48	V	56.10	41.59	-45.48	-	52.21	68.20	15.99
Average Data								
5 459.98 ¹⁾	H	34.83	34.74	-27.35	0.14	42.36	54.00	11.64



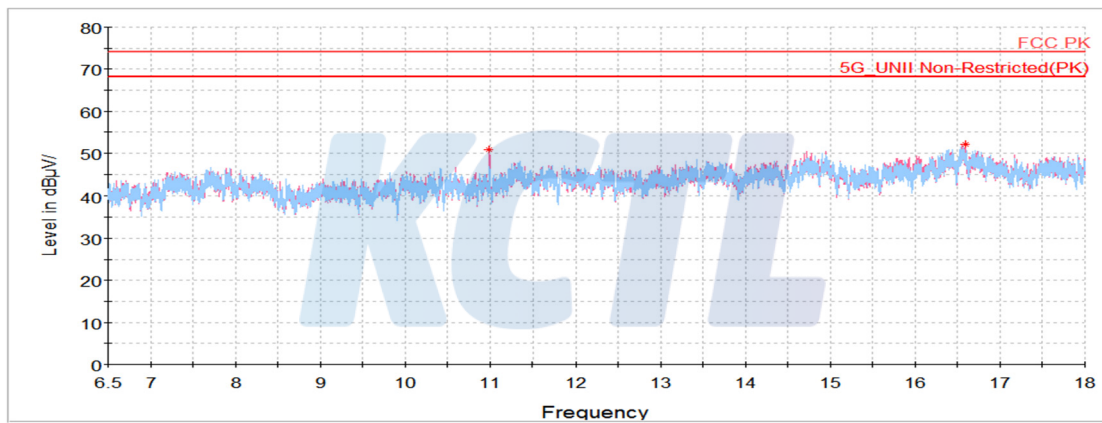
Horizontal/Vertical for Band-edge



Horizontal/Vertical for 1 GHz ~ 6.5 GHz



Horizontal/Vertical for 6.5 GHz ~ 18 GHz



Horizontal/Vertical for 18 GHz ~ 40 GHz

