

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-SRF0044

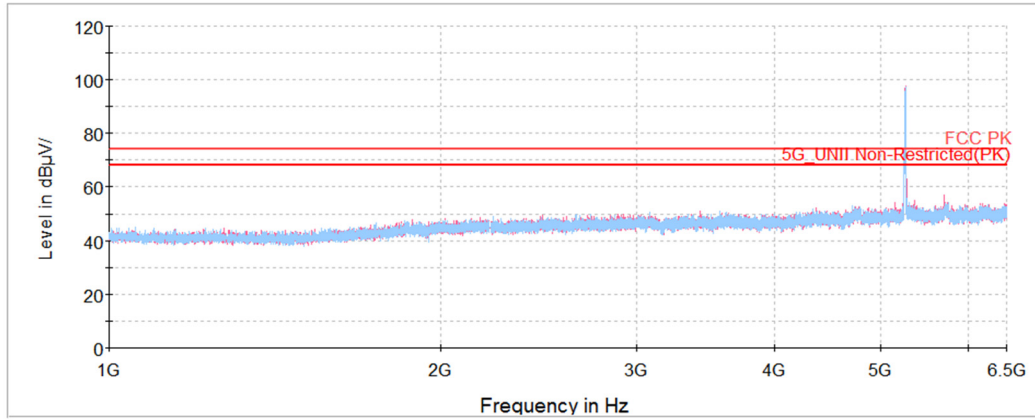
Page (111) of (203)

**802.11a UNII-2A****Lowest Channel (5 260 MHz)**

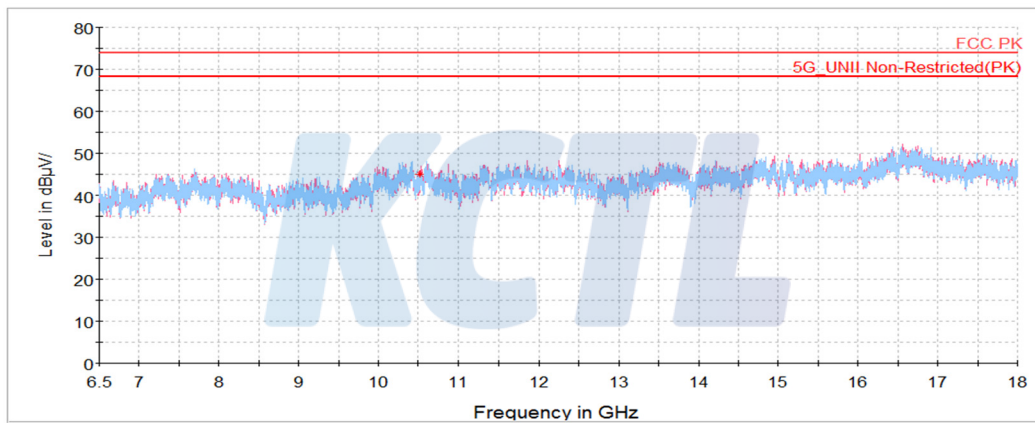
Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCCF	Result	Limit	Margin
(MHz)	(V/H)	(dB(μ V))	(dB)	(dB)	(dB)	(dB(μ V/m))	(dB(μ V/m))	(dB)
Peak data								
10 520.33	H	55.80	37.41	-48.21	-	45.00	68.20	23.20
Average Data								
No spurious emissions were detected within 20 dB of the limit								



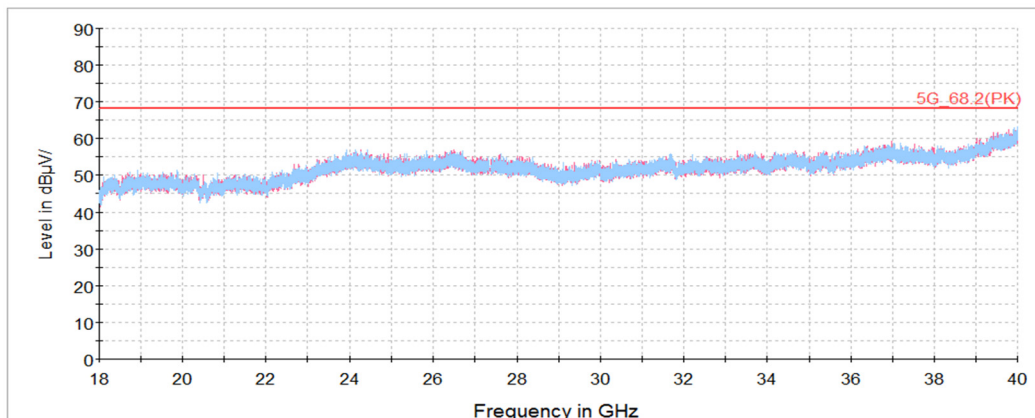
Horizontal/Vertical for 1 GHz ~ 6.5 GHz



Horizontal/Vertical for 6.5 GHz ~ 18 GHz



Horizontal/Vertical for 18 GHz ~ 40 GHz



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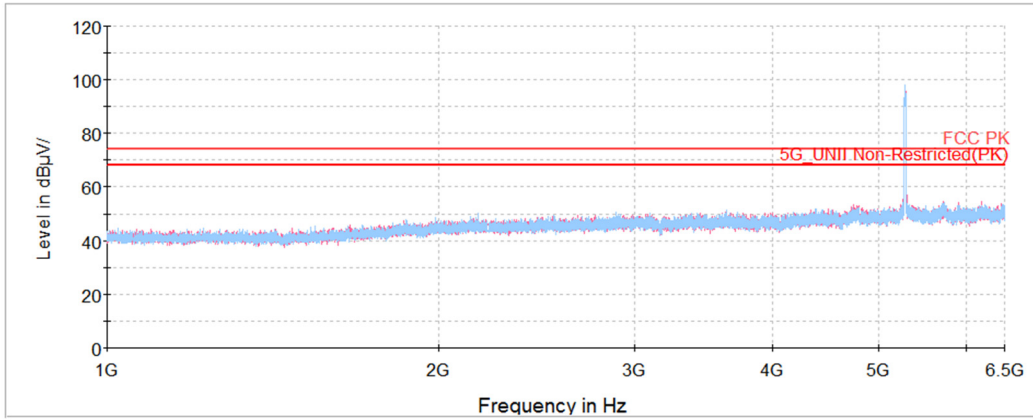
Page (113) of (203)

**Middle Channel (5 280 MHz)**

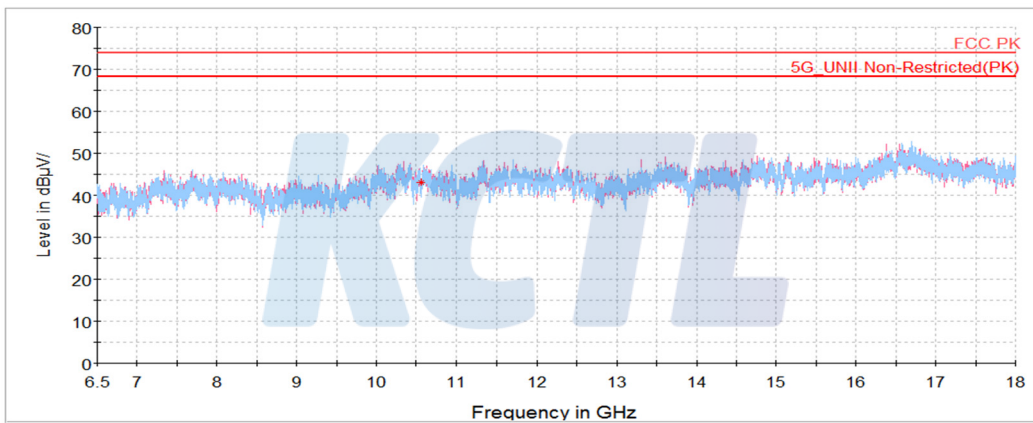
Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCCF	Result	Limit	Margin
(MHz)	(V/H)	(dB(μV))	(dB)	(dB)	(dB)	(dB($\mu V/m$))	(dB($\mu V/m$))	(dB)
Peak data								
10 560.58	V	54.06	37.44	-48.48	-	43.02	68.20	25.18
Average Data								
No spurious emissions were detected within 20 dB of the limit								



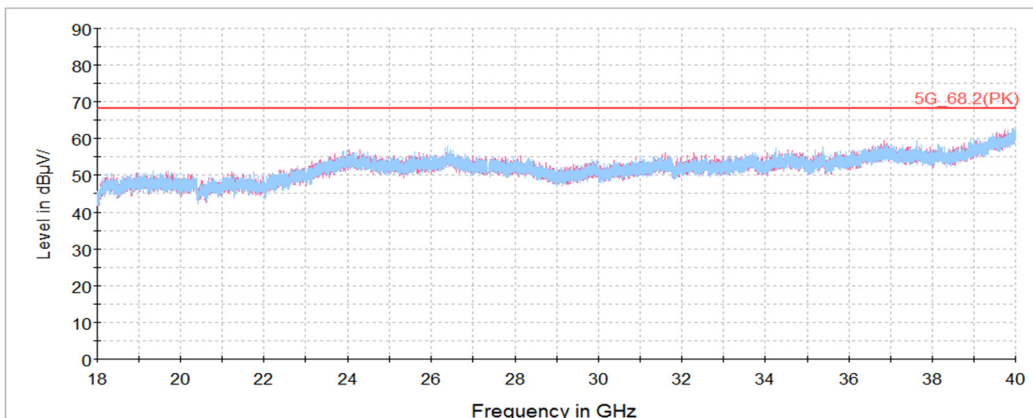
Horizontal/Vertical for 1 GHz ~ 6.5 GHz



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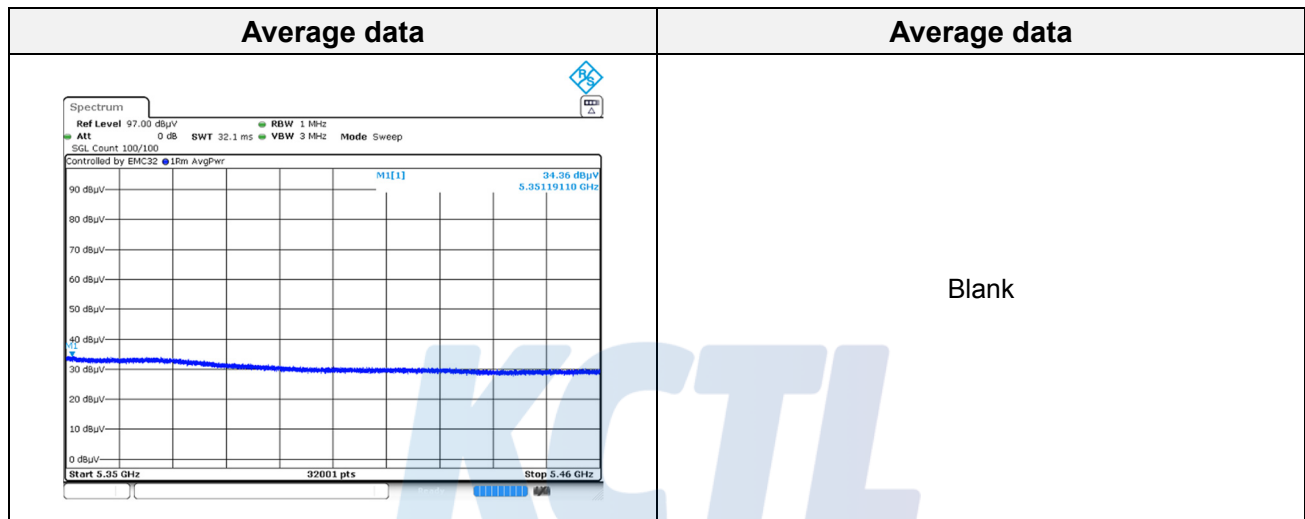
Report No.:
KR20-SRF0044

Page (115) of (203)

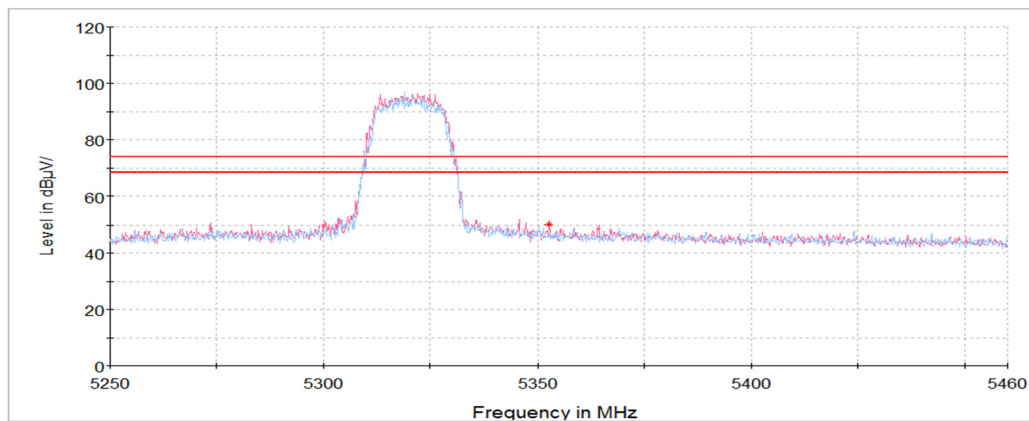


Highest Channel (5 320 MHz)

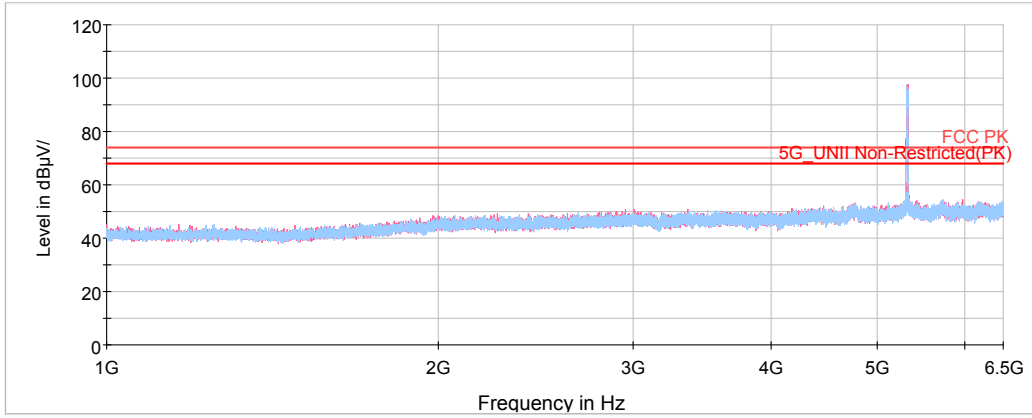
Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCCF	Result	Limit	Margin
(MHz)	(V/H)	(dB(μV))	(dB)	(dB)	(dB)	(dB(μV/m))	(dB(μV/m))	(dB)
Peak data								
5 351.19 ¹⁾	V	42.61	34.32	-26.84	-	50.09	74.00	23.91
10 639.64 ¹⁾	H	57.72	37.48	-49.00	-	46.20	74.00	27.80
Average Data								
5 351.19 ¹⁾	V	34.36	34.32	-26.84	0.31	42.15	54.00	11.85



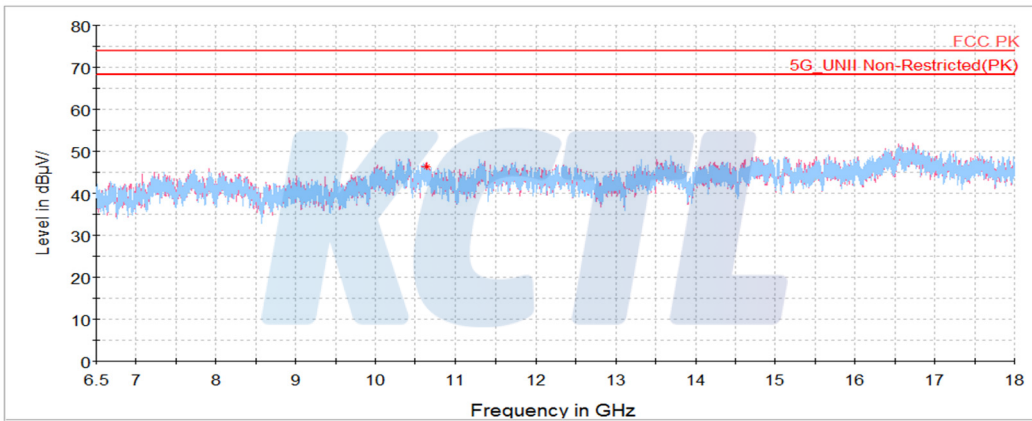
Horizontal/Vertical for Band-edge



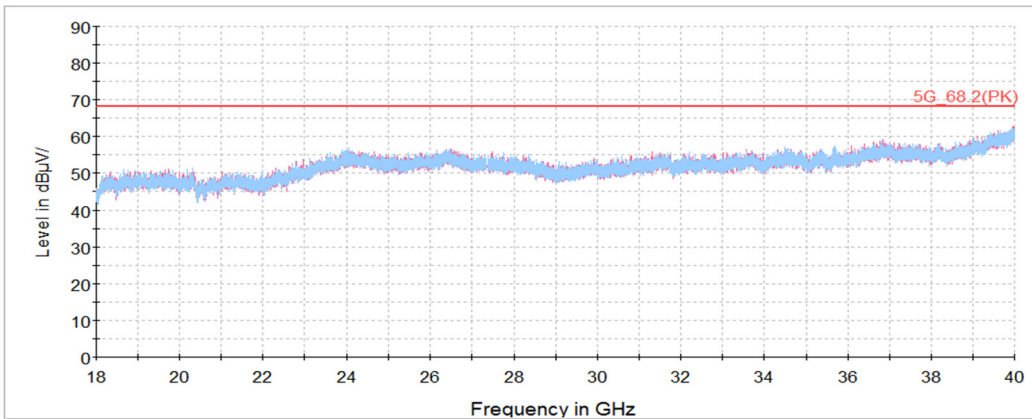
Horizontal/Vertical for 1 GHz ~ 6.5 GHz



Horizontal/Vertical for 6.5 GHz ~ 18 GHz



Horizontal/Vertical for 18 GHz ~ 40 GHz



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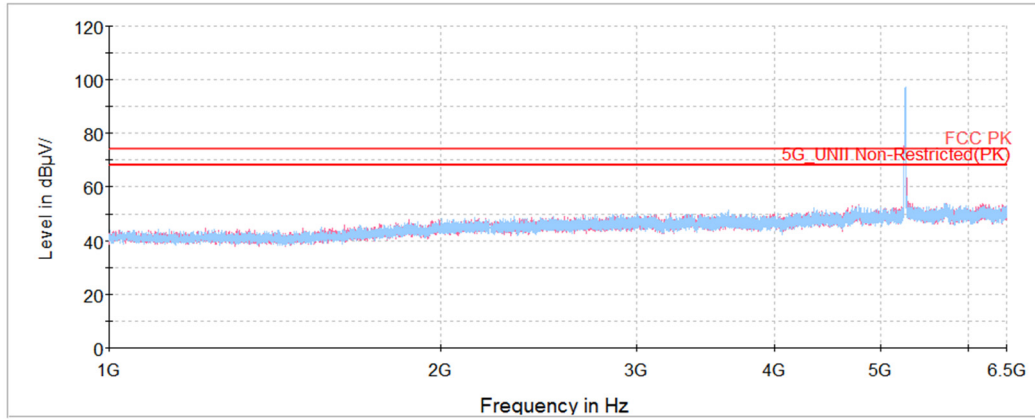
Page (117) of (203)

**802.11n HT20 UNII-2A****Lowest Channel (5 260 MHz)**

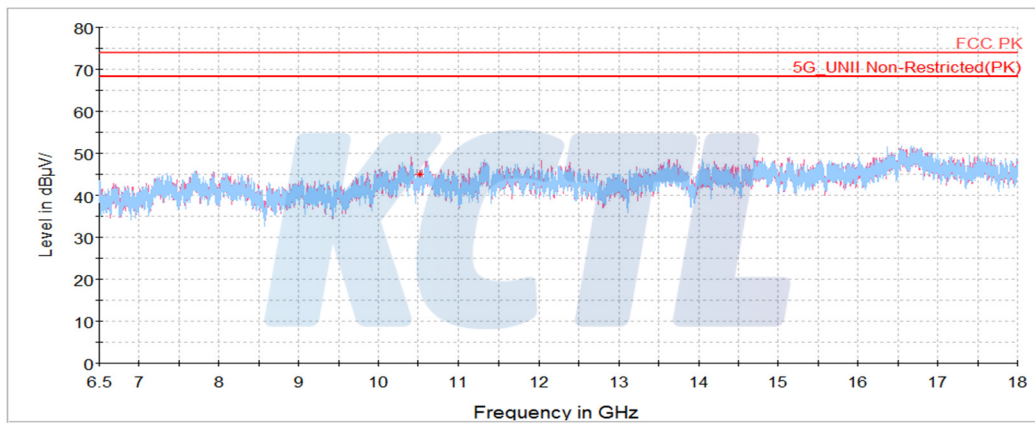
Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCCF	Result	Limit	Margin
(MHz)	(V/H)	(dB(μ V))	(dB)	(dB)	(dB)	(dB(μ V/m))	(dB(μ V/m))	(dB)
Peak data								
10 520.33	H	55.74	37.41	-48.21	-	44.94	68.20	23.26
Average Data								
No spurious emissions were detected within 20 dB of the limit.								



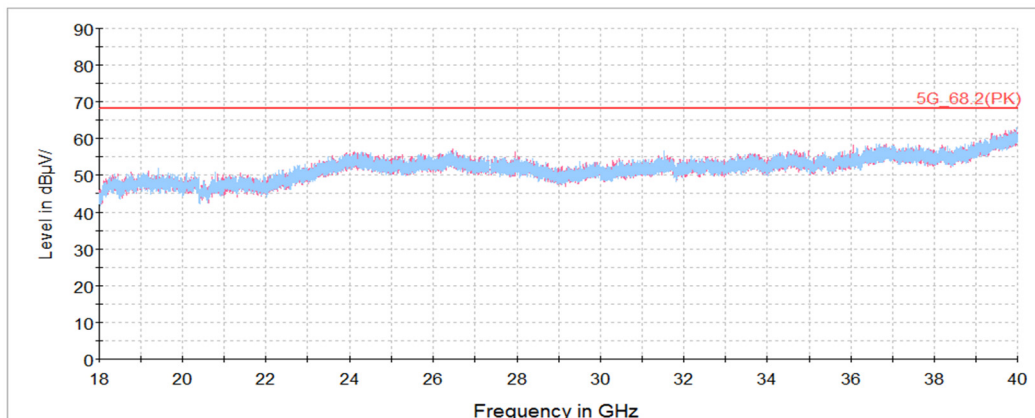
Horizontal/Vertical for 1 GHz ~ 6.5 GHz



Horizontal/Vertical for 6.5 GHz ~ 18 GHz



Horizontal/Vertical for 18 GHz ~ 40 GHz



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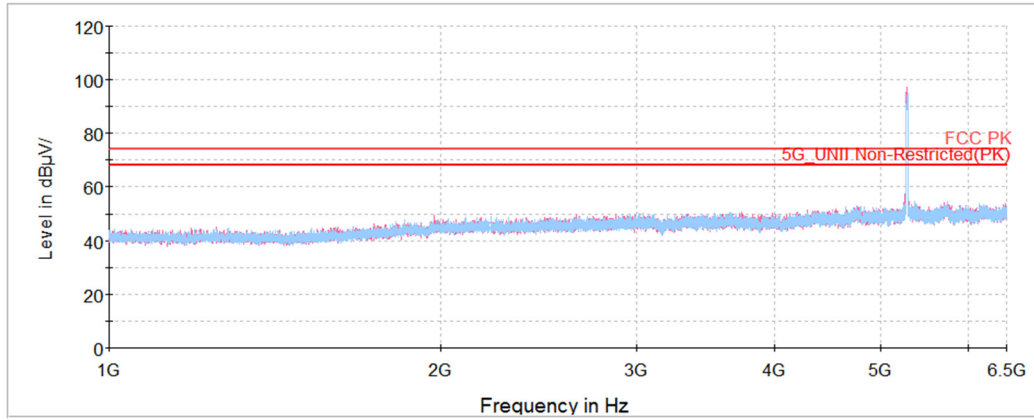
Page (119) of (203)

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

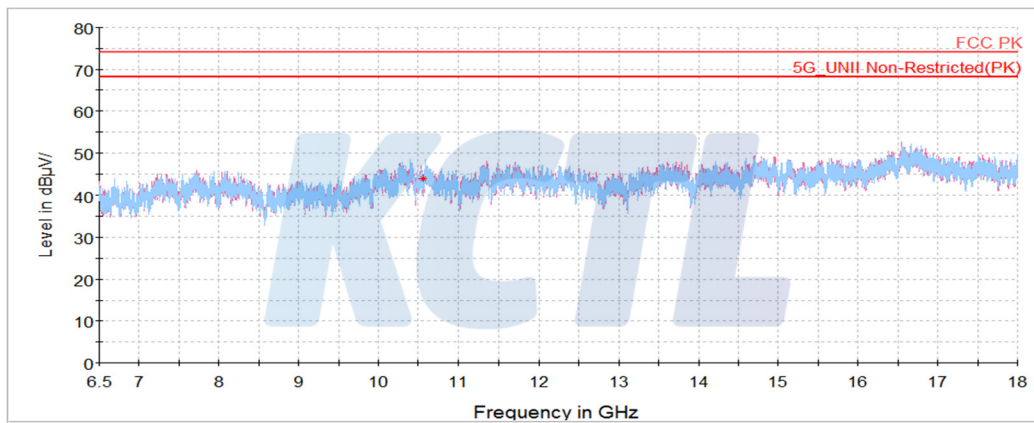
Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCCF	Result	Limit	Margin
(MHz)	(V/H)	(dB(μV))	(dB)	(dB)	(dB)	(dB($\mu V/m$))	(dB($\mu V/m$))	(dB)
Peak data								
10 559.50	V	54.97	37.44	-48.47		43.94	68.20	24.26
Average Data								
No spurious emissions were detected within 20 dB of the limit								

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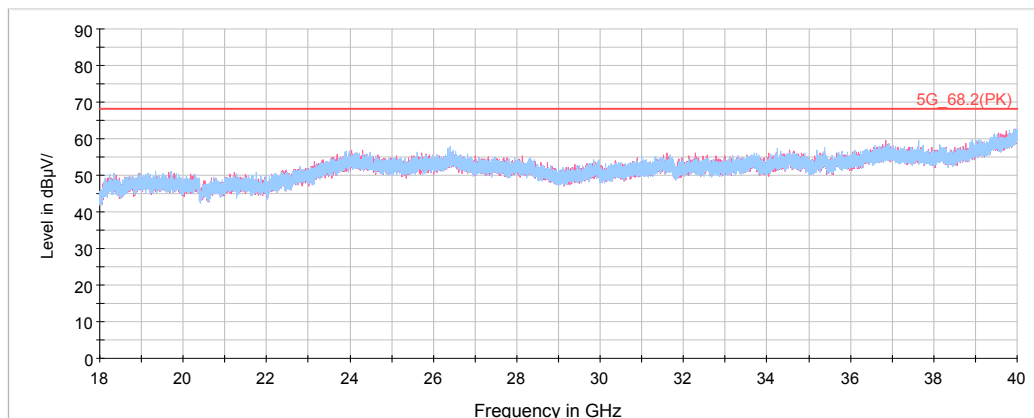
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Horizontal/Vertical for 6.5 GHz ~ 18 GHz



Horizontal/Vertical for 18 GHz ~ 40 GHz



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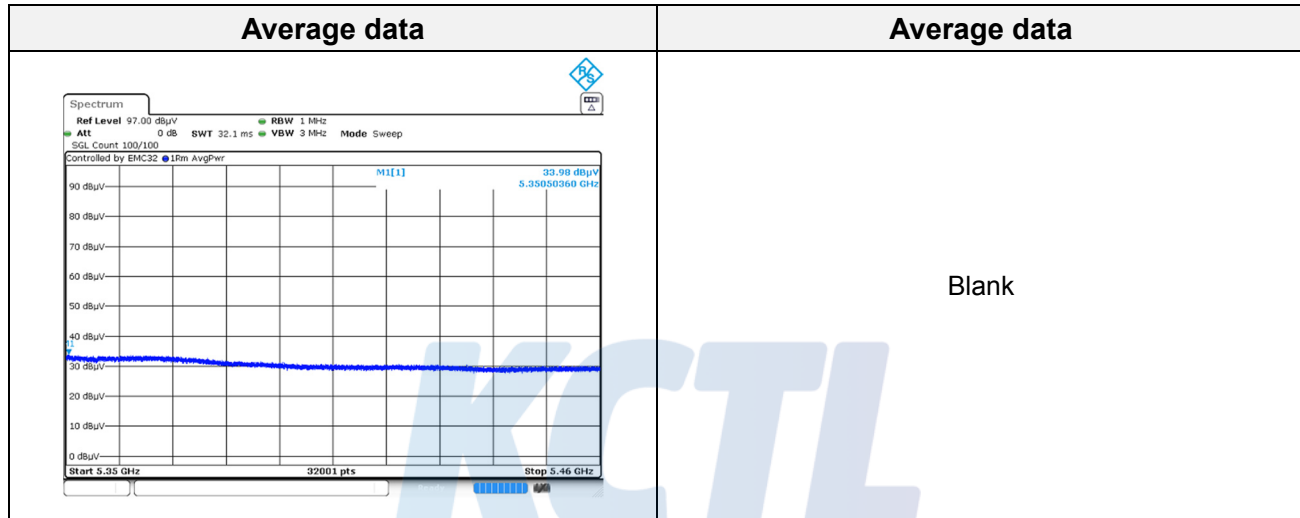
Report No.:
KR20-SRF0044

Page (121) of (203)

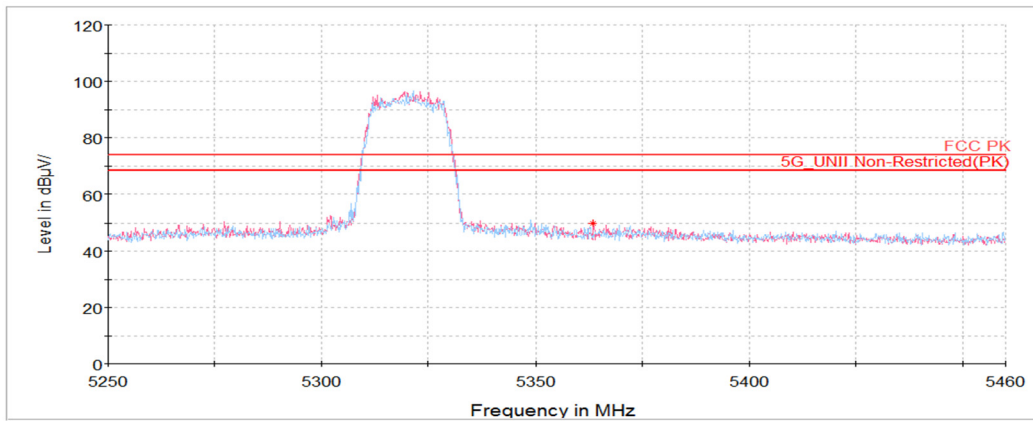


Highest Channel (5 320 MHz)

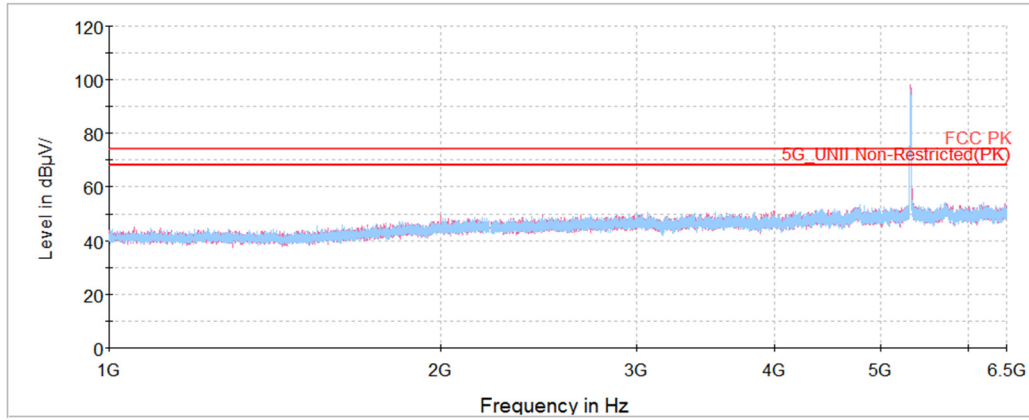
Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCCF	Result	Limit	Margin
(MHz)	(V/H)	(dB(μV))	(dB)	(dB)	(dB)	(dB(μV/m))	(dB(μV/m))	(dB)
Peak data								
5 350.50 ¹⁾	V	42.46	34.32	-26.84	-	49.94	74.00	24.06
10 640.36	V	56.88	37.48	-49.00	-	45.36	74.00	28.64
Average Data								
5 350.50 ¹⁾	V	33.98	34.32	-26.84	0.32	41.78	54.00	12.22



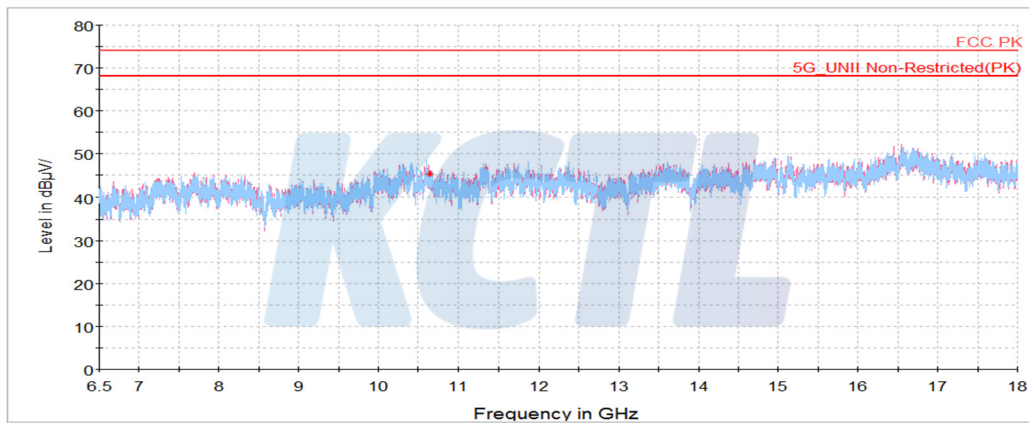
Horizontal/Vertical for Band-edge



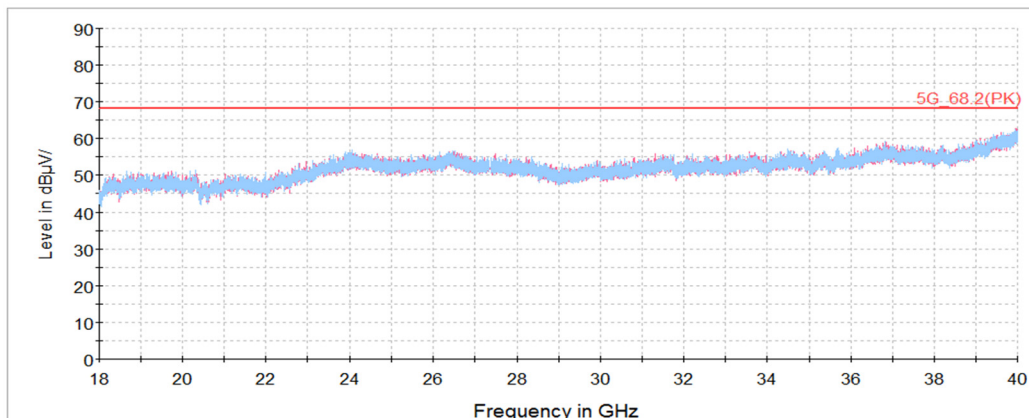
Horizontal/Vertical for 1 GHz ~ 6.5 GHz



Horizontal/Vertical for 6.5 GHz ~ 18 GHz



Horizontal/Vertical for 18 GHz ~ 40 GHz



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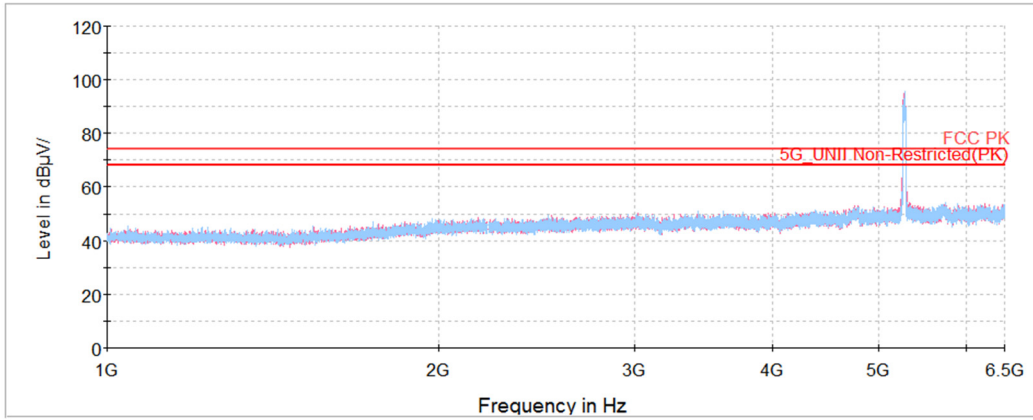
Page (123) of (203)

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

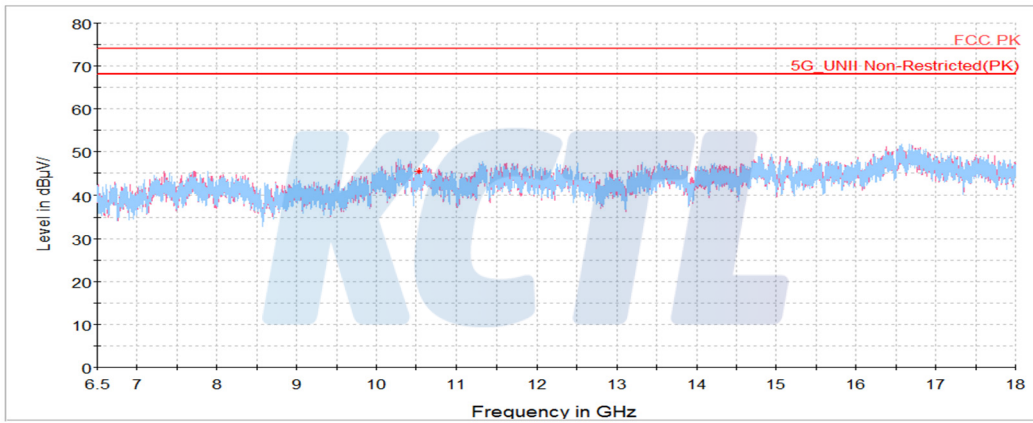
Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCCF	Result	Limit	Margin
(MHz)	(V/H)	(dB(μ V))	(dB)	(dB)	(dB)	(dB(μ V/m))	(dB(μ V/m))	(dB)
Peak data								
10 540.09	V	56.40	37.42	-48.34	-	45.48	68.20	22.72
Average Data								
No spurious emissions were detected within 20 dB of the limit.								

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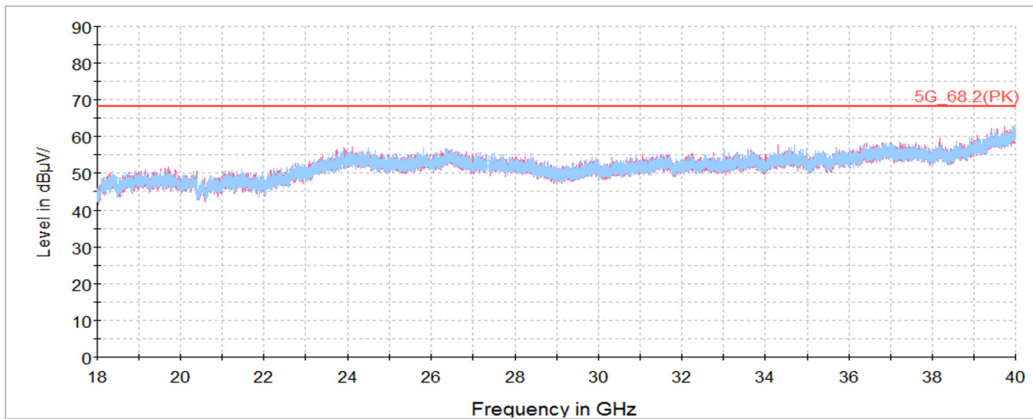
Horizontal/Vertical for 1 GHz ~ 6.5 GHz



Horizontal/Vertical for 6.5 GHz ~ 18 GHz

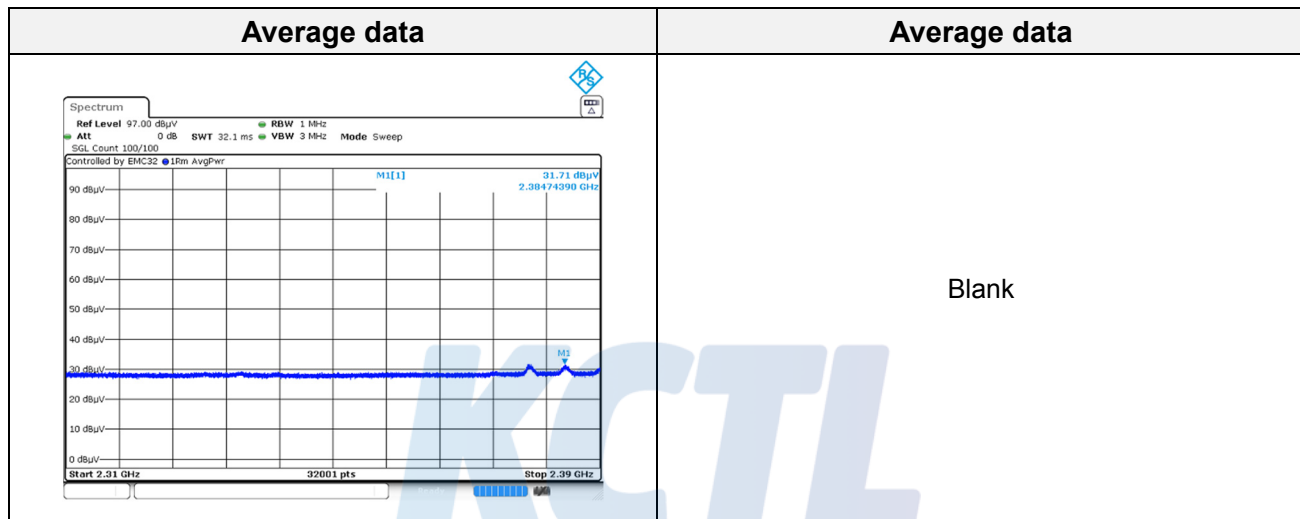


Horizontal/Vertical for 18 GHz ~ 40 GHz

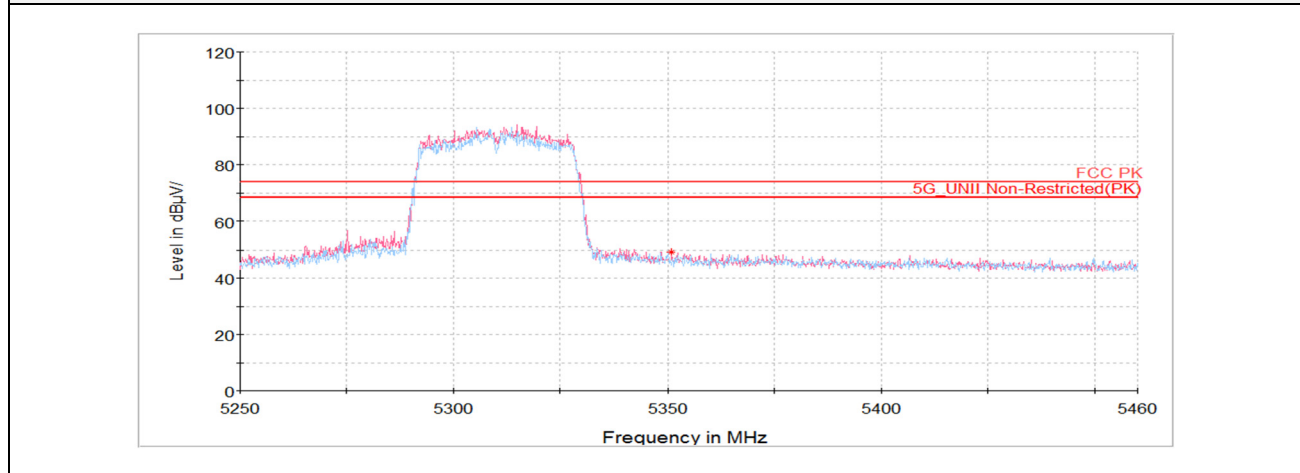


Highest Channel (5 310 MHz)

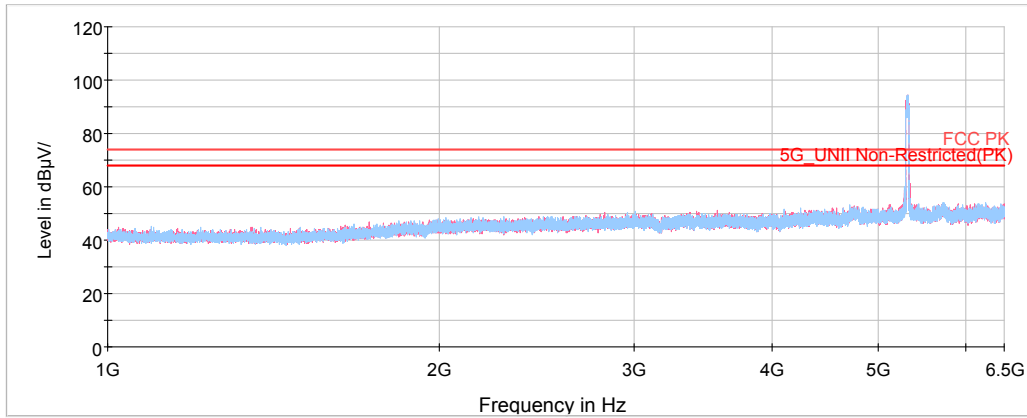
Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCCF	Result	Limit	Margin
(MHz)	(V/H)	(dB(μV))	(dB)	(dB)	(dB)	(dB(μV/m))	(dB(μV/m))	(dB)
Peak data								
5 366.88 ¹⁾	V	41.63	34.34	-26.80	-	49.17	74.00	24.83
10 619.88 ¹⁾	H	59.32	37.47	-48.87	-	47.92	74.00	26.08
Average Data								
5 366.88 ¹⁾	V	33.58	34.34	-26.80	0.65	41.77	54.00	12.23



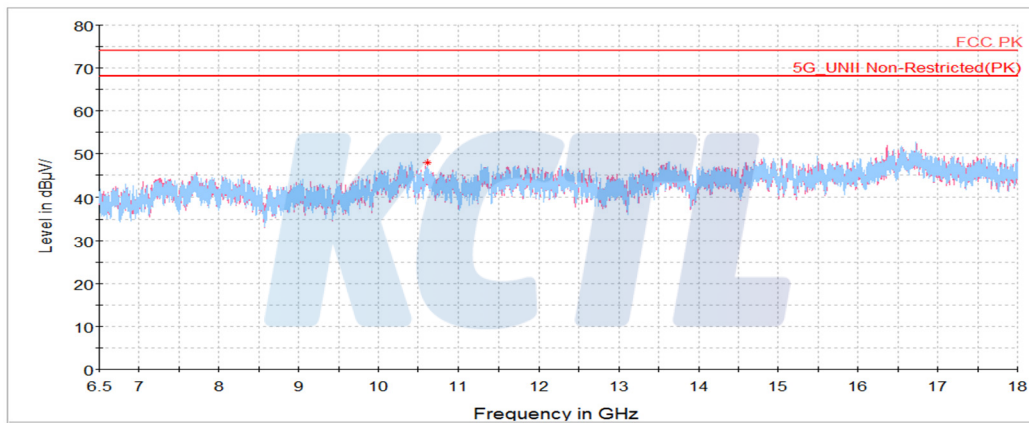
Horizontal/Vertical for Band-edge



Horizontal/Vertical for 1 GHz ~ 6.5 GHz



Horizontal/Vertical for 6.5 GHz ~ 18 GHz



Horizontal/Vertical for 18 GHz ~ 40 GHz

