

**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](http://www.kctl.co.kr)

Report No.:  
KR19-SRF0117-B

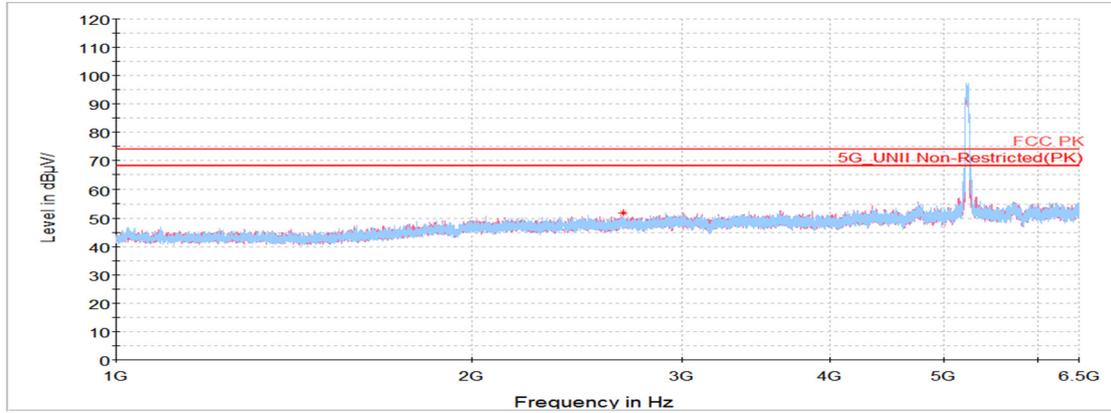
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**Highest Channel (5 230 MHz)**

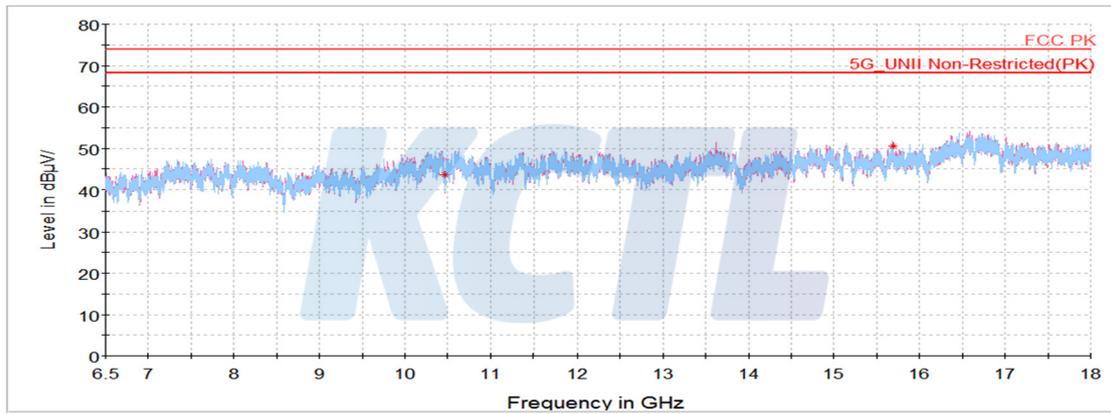
Frequency (MHz)	Pol. (V/H)	Reading (dB( $\mu$ V))	Ant. Factor (dB)	Amp.+Cable (dB)	DCCF (dB)	Result (dB( $\mu$ V/m))	Limit (dB( $\mu$ V/m))	Margin (dB)
<b>Peak data</b>								
10 459.95	H	54.48	37.38	-48.30	-	43.56	68.20	24.64
15 690.66 <sup>1)</sup>	H	58.52	40.08	-48.04	-	50.56	74.00	23.44
<b>Average Data</b>								
No spurious emissions were detected within 20 dB of the limit.								



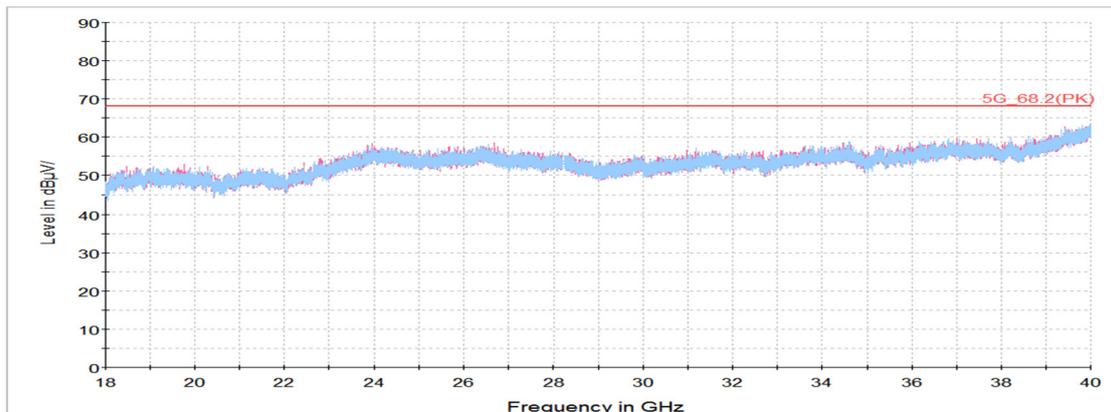
**Horizontal/Vertical for 1 GHz ~ 6.5 GHz**



**Horizontal/Vertical for 6.5 GHz ~ 18 GHz**



**Horizontal/Vertical for 18 GHz ~ 40 GHz**



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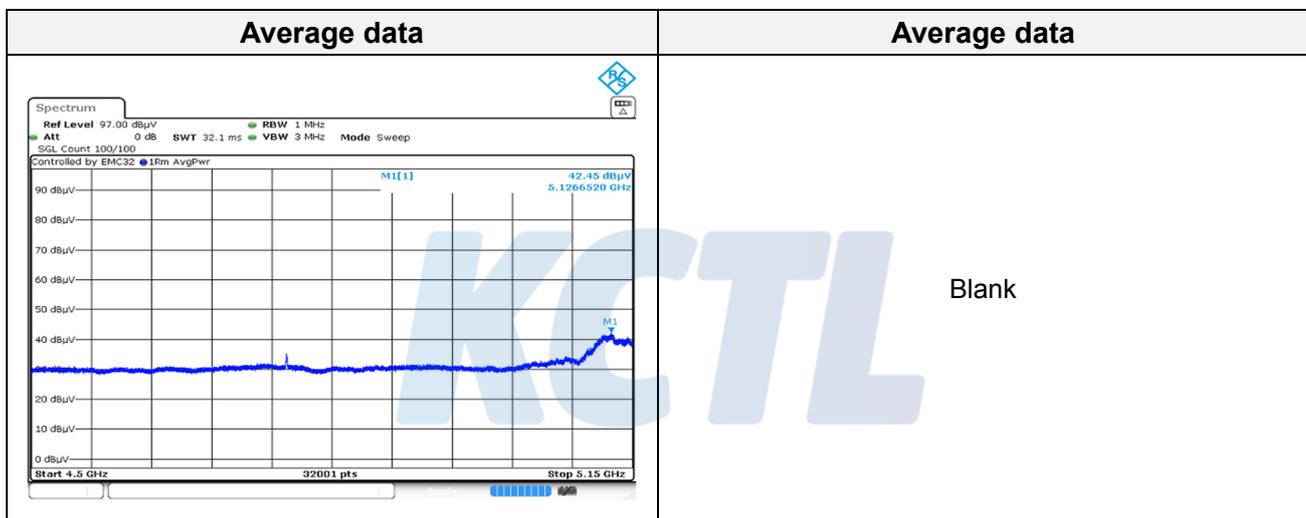
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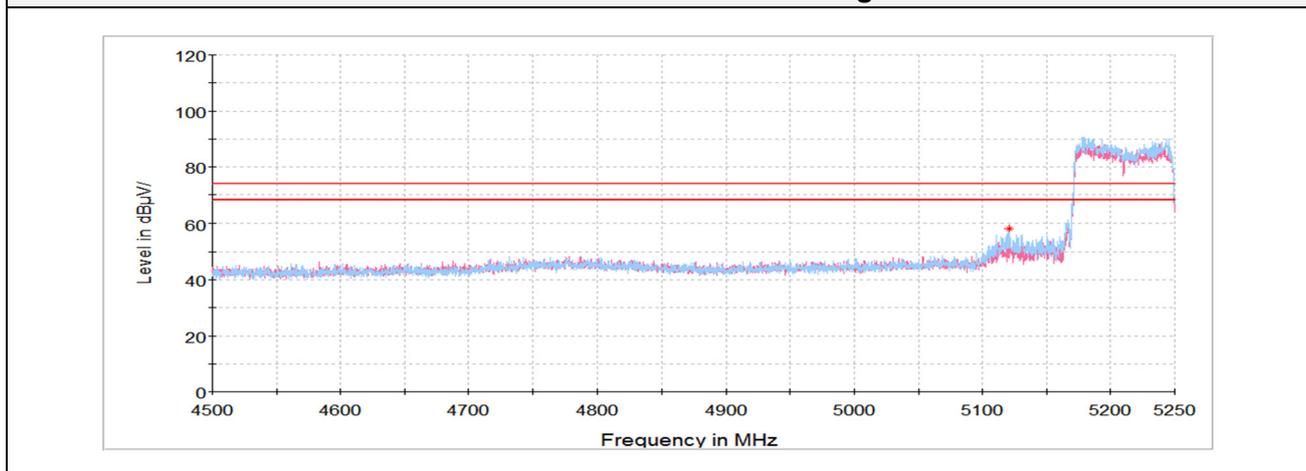
## 802.11ac VHT80 UNII-1

### Lowest Channel (5 210 MHz)

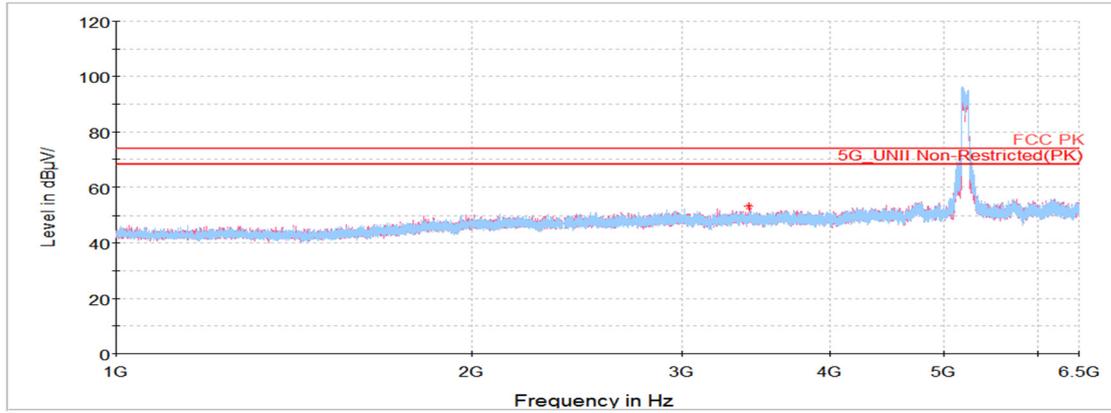
Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCCF	Result	Limit	Margin
(MHz)	(V/H)	(dB(μV))	(dB)	(dB)	(dB)	(dB(μV/m))	(dB(μV/m))	(dB)
<b>Peak data</b>								
5 126.65 <sup>1)</sup>	H	52.26	34.05	-26.97	-	59.34	74.00	14.66
10 420.42	H	58.95	37.35	-48.53	-	47.77	68.20	20.43
15 629.92 <sup>1)</sup>	H	57.23	40.05	-48.03	-	49.25	74.00	24.75
<b>Average Data</b>								
5 126.65 <sup>1)</sup>	H	42.45	34.05	-26.97	1.41	50.94	54.00	3.06



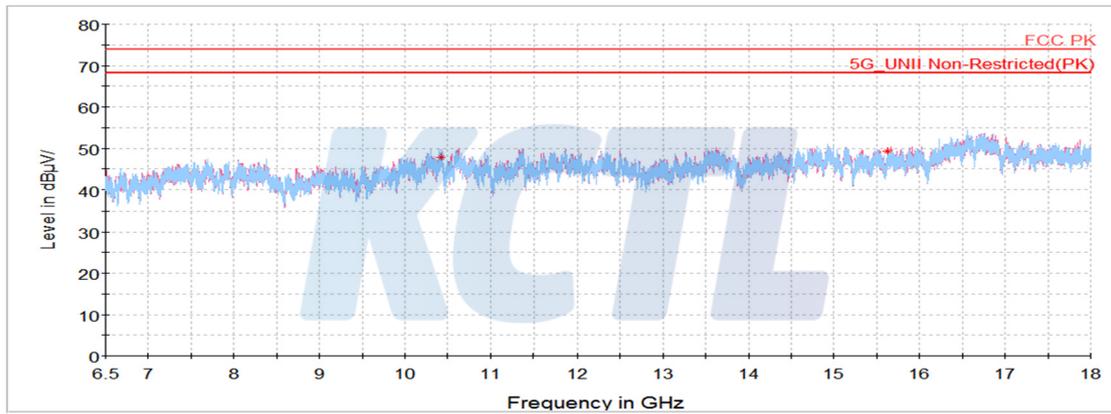
### Horizontal/Vertical for Band-edge



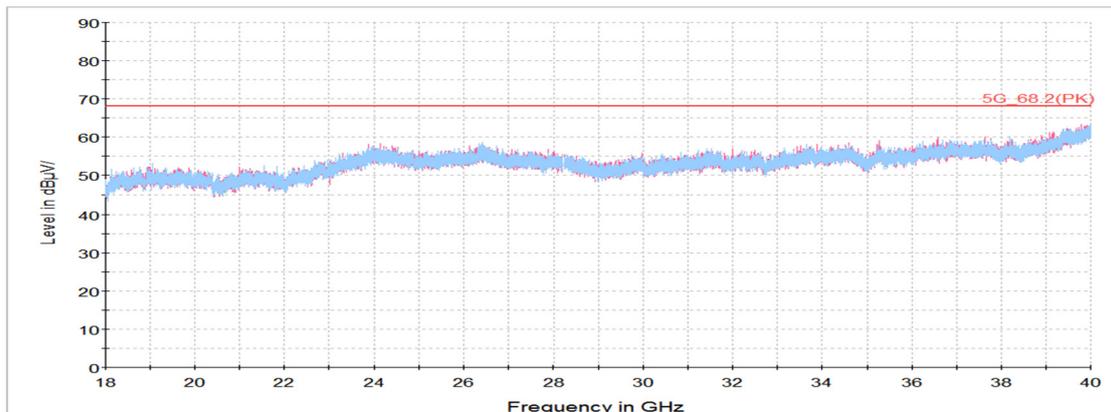
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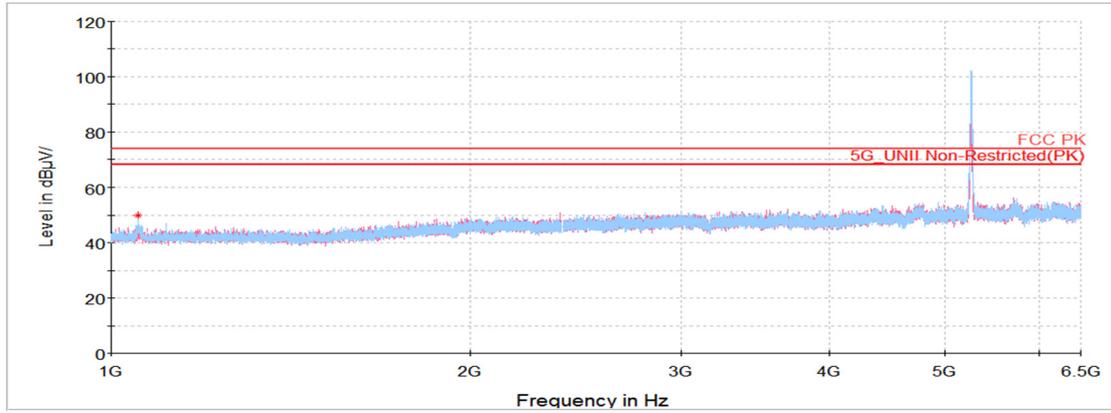
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**KCTL****802.11a UNII-2A****Lowest Channel (5 260 MHz)**

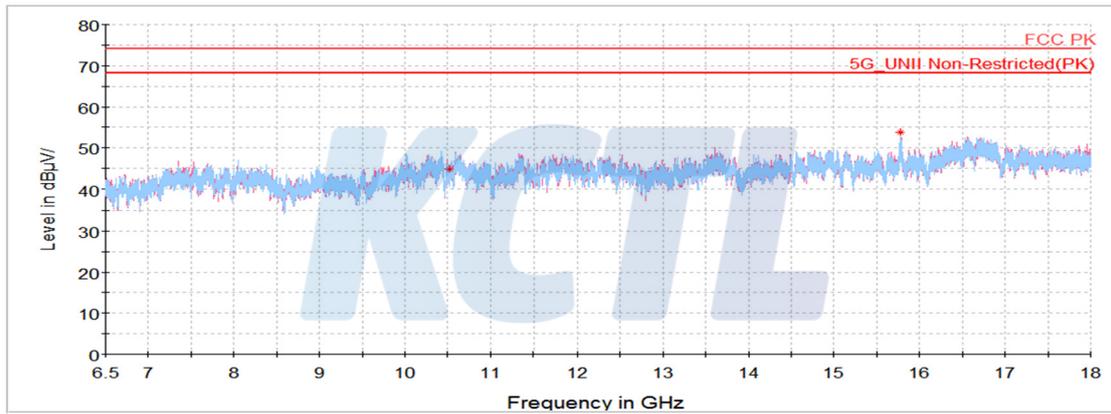
Frequency (MHz)	Pol. (V/H)	Reading (dB( $\mu$ V))	Ant. Factor (dB)	Amp.+Cable (dB)	DCCF (dB)	Result (dB( $\mu$ V/m))	Limit (dB( $\mu$ V/m))	Margin (dB)
<b>Peak data</b>								
10 522.48	V	55.58	37.41	-48.22	-	44.77	68.20	23.43
15 782.66 <sup>1)</sup>	V	61.76	40.11	-48.05	-	53.82	74.00	20.18
<b>Average Data</b>								
No spurious emissions were detected within 20 dB of the limit.								

**KCTL**

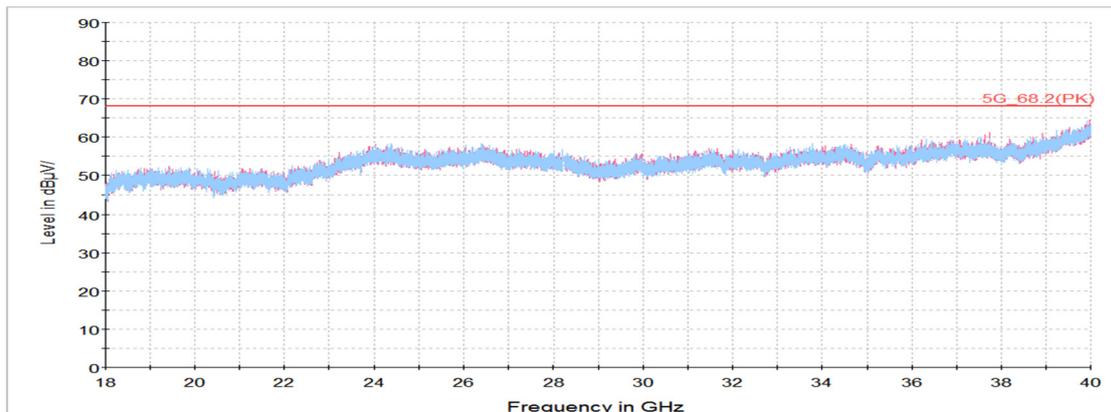
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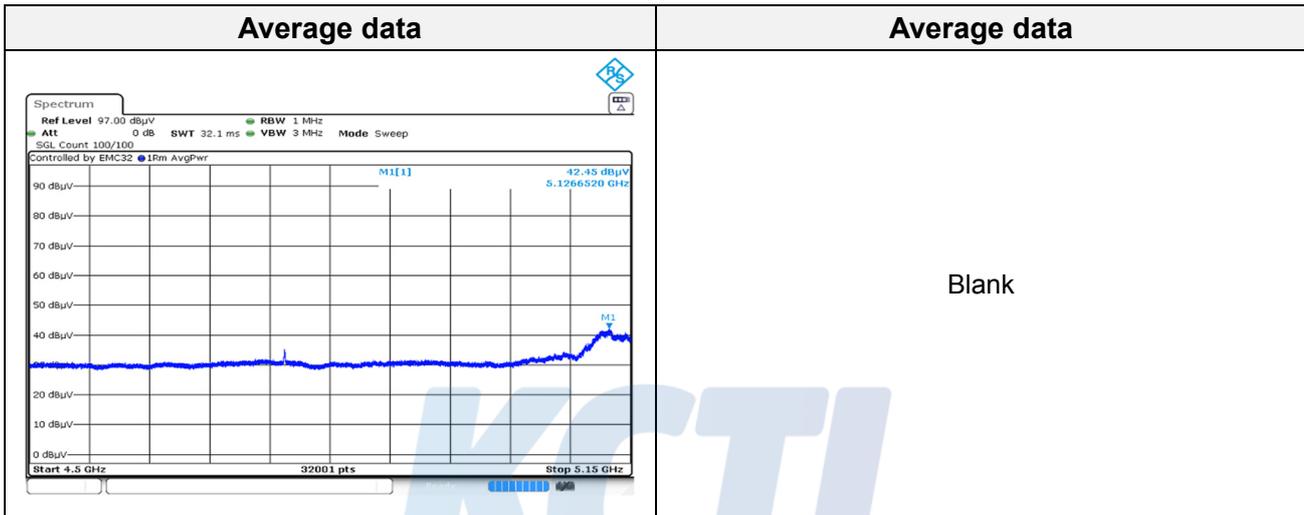
Report No.:  
KR19-SRF0117-B

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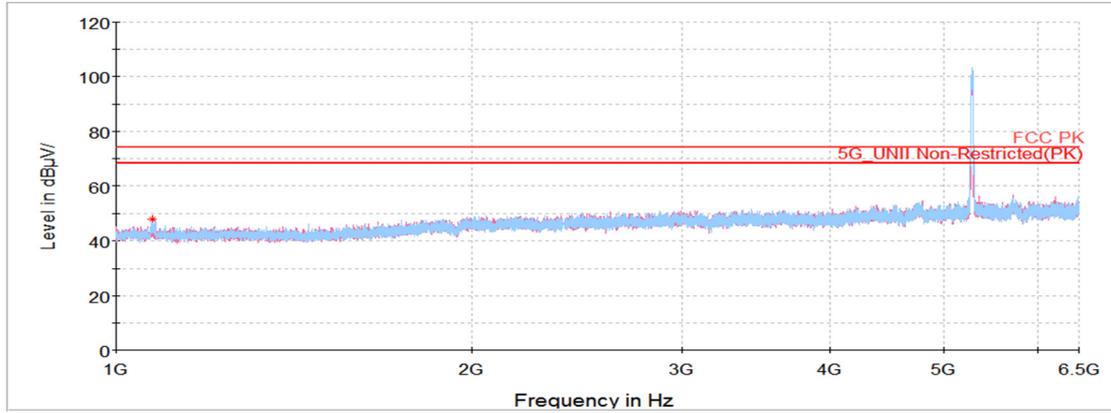


## Middle Channel (5 280 MHz)

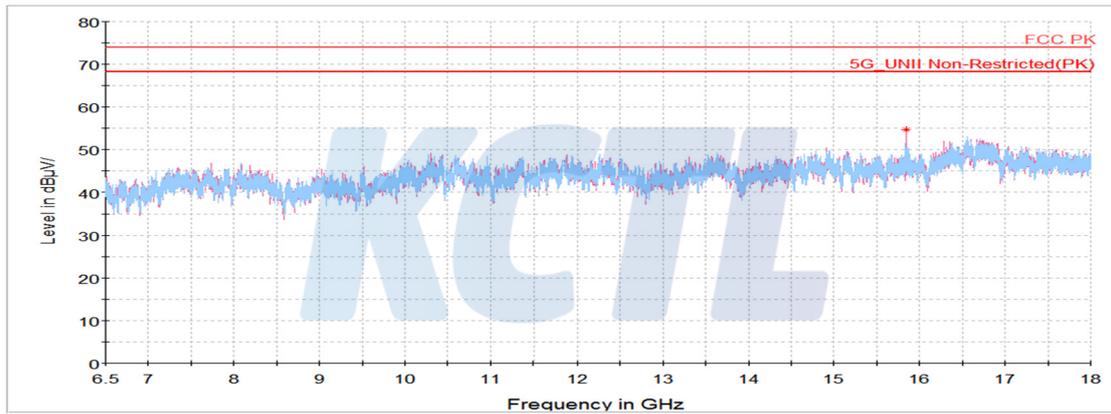
Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCCF	Result	Limit	Margin
(MHz)	(V/H)	(dB(μV))	(dB)	(dB)	(dB)	(dB(μV/m))	(dB(μV/m))	(dB)
<b>Peak data</b>								
15 840.19 <sup>1)</sup>	V	62.52	40.14	-48.06	-	54.60	74.00	19.40
<b>Average Data</b>								
15 840.19 <sup>1)</sup>	V	48.67	40.14	-48.06	0.44	41.19	54.00	12.81



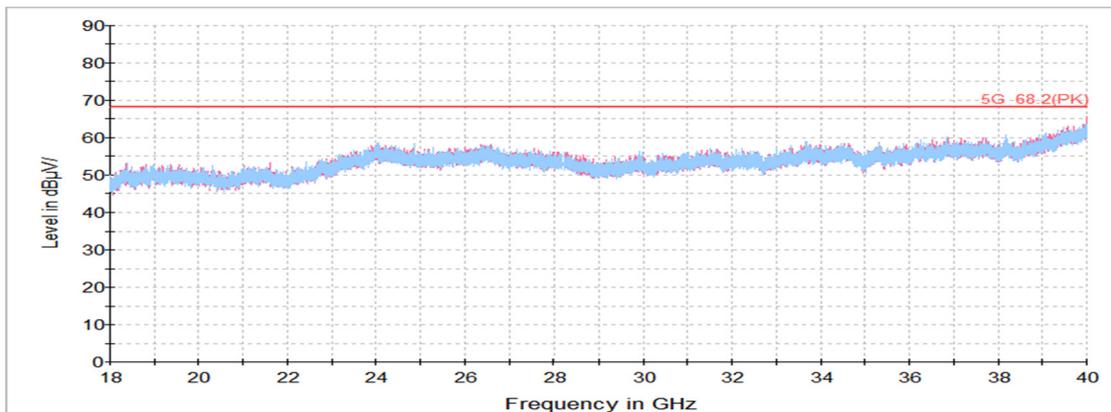
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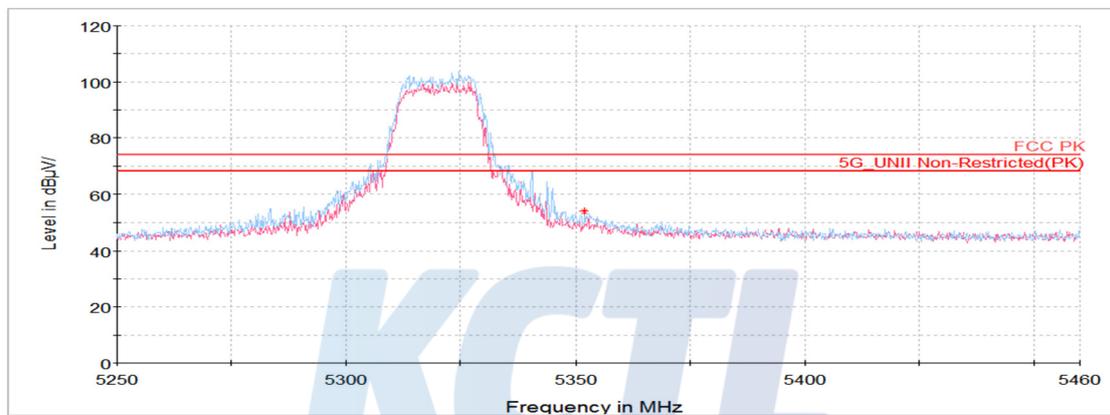
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# KCTL

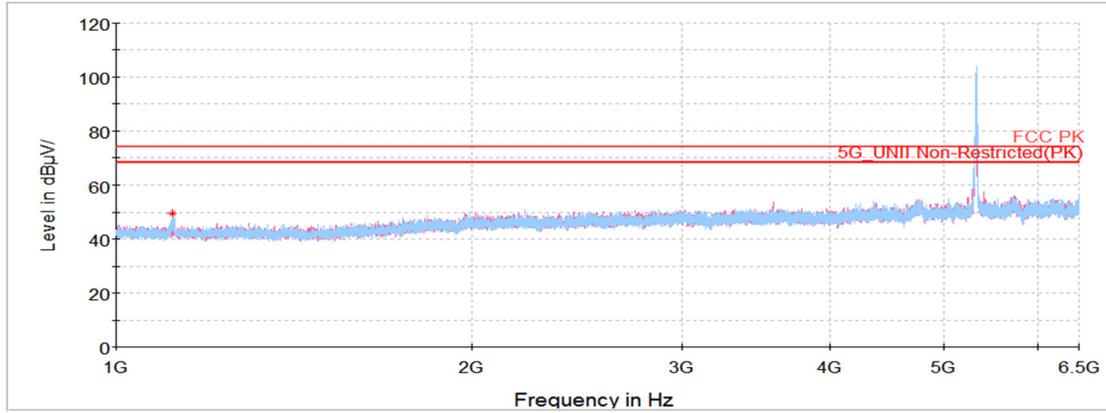
## Highest Channel (5 320 MHz)

Frequency (MHz)	Pol. (V/H)	Reading (dB( $\mu$ V))	Ant. Factor (dB)	Amp.+Cable (dB)	DCCF (dB)	Result (dB( $\mu$ V/m))	Limit (dB( $\mu$ V/m))	Margin (dB)
<b>Peak data</b>								
5 352.22 <sup>1)</sup>	H	38.83	34.32	-26.84	-	53.78	74.00	20.22
15 962.11 <sup>1)</sup>	V	61.20	40.18	-48.07	-	53.31	74.00	20.69
<b>Average Data</b>								
No spurious emissions were detected within 20 dB of the limit.								

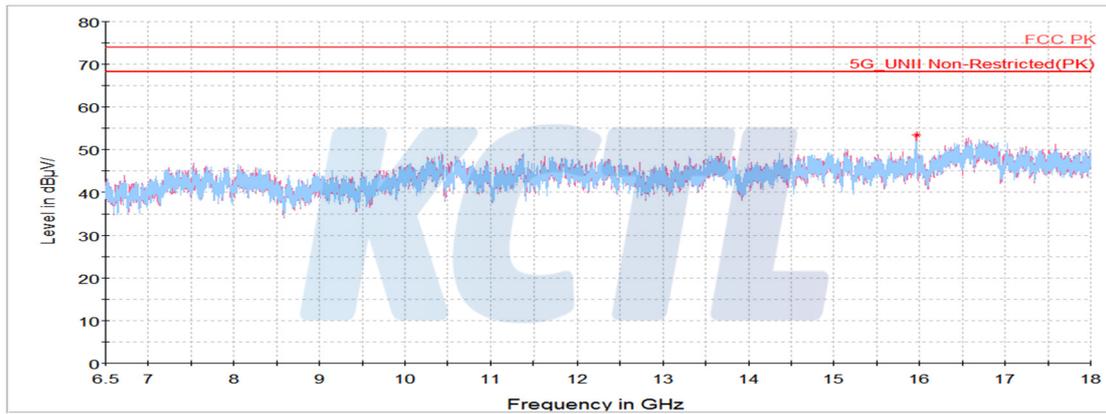
## Horizontal/Vertical for Band-edge



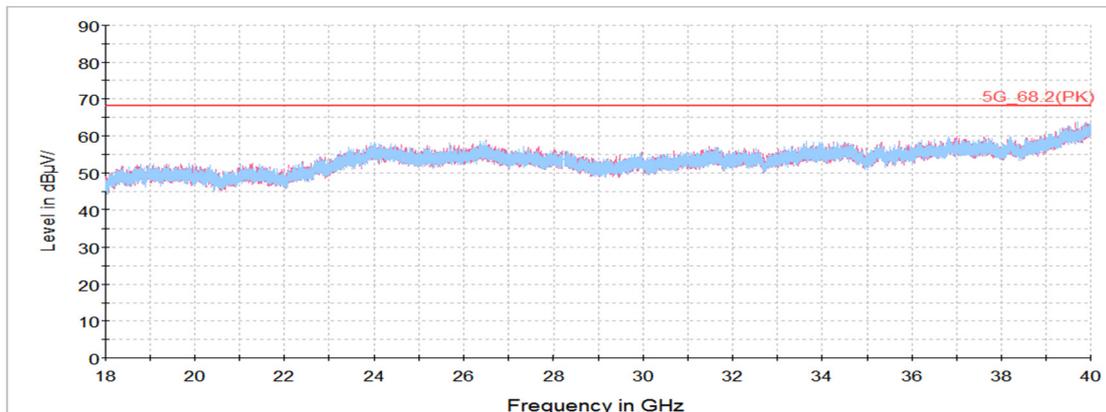
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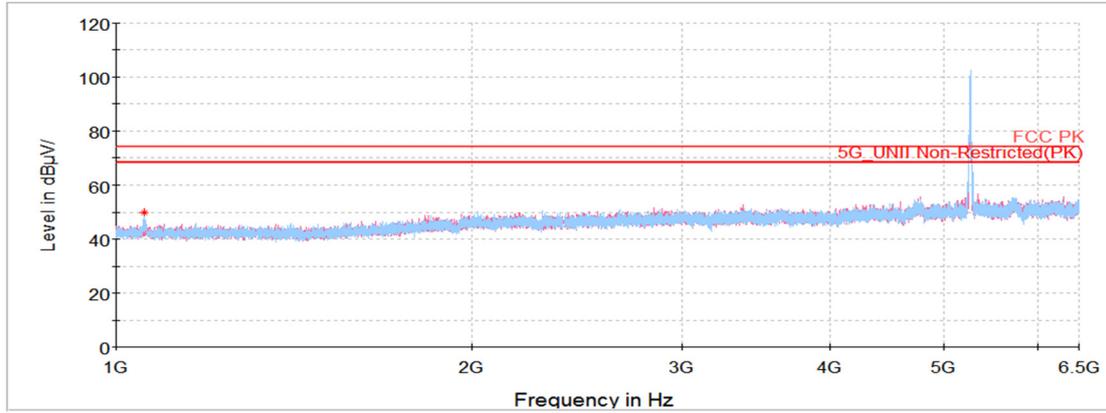
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**802.11n HT20 UNII-2A****Lowest Channel (5 260 MHz)**

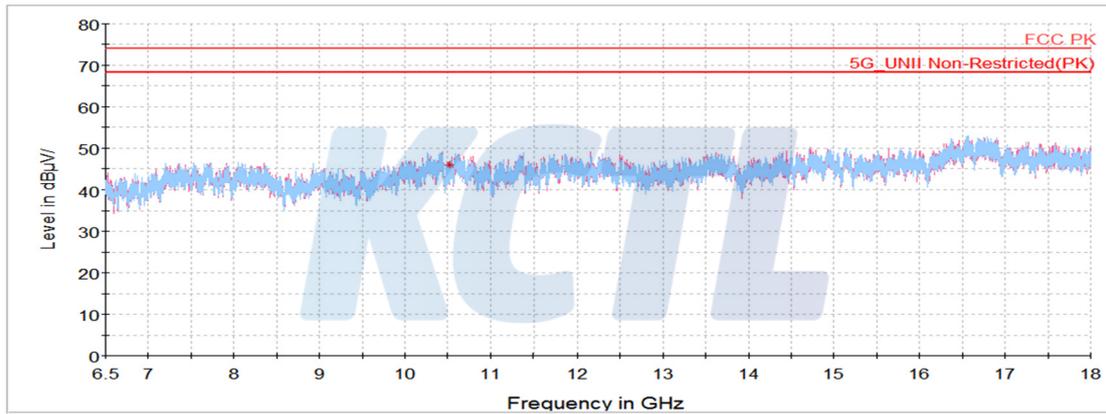
Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCCF	Result	Limit	Margin
(MHz)	(V/H)	(dB( $\mu$ V))	(dB)	(dB)	(dB)	(dB( $\mu$ V/m))	(dB( $\mu$ V/m))	(dB)
<b>Peak data</b>								
10 517.81	H	56.64	37.41	-48.19	-	45.86	68.20	22.34
<b>Average Data</b>								
No spurious emissions were detected within 20 dB of the limit.								



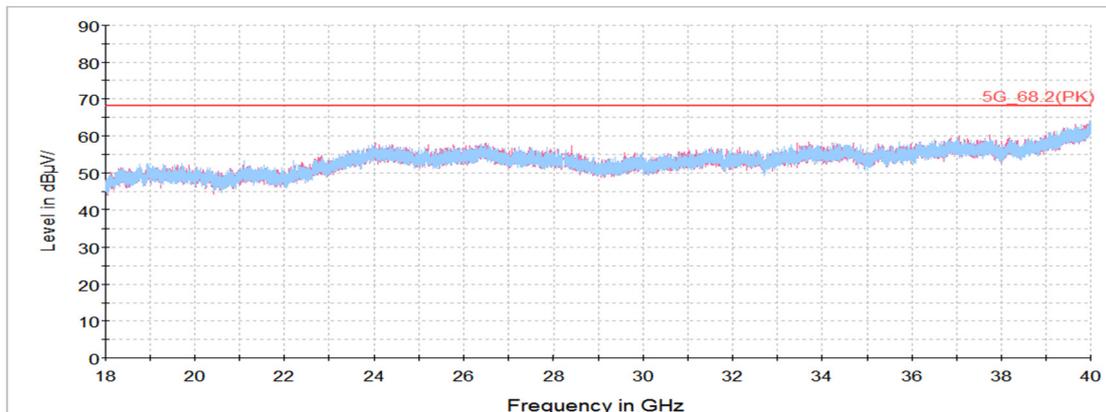
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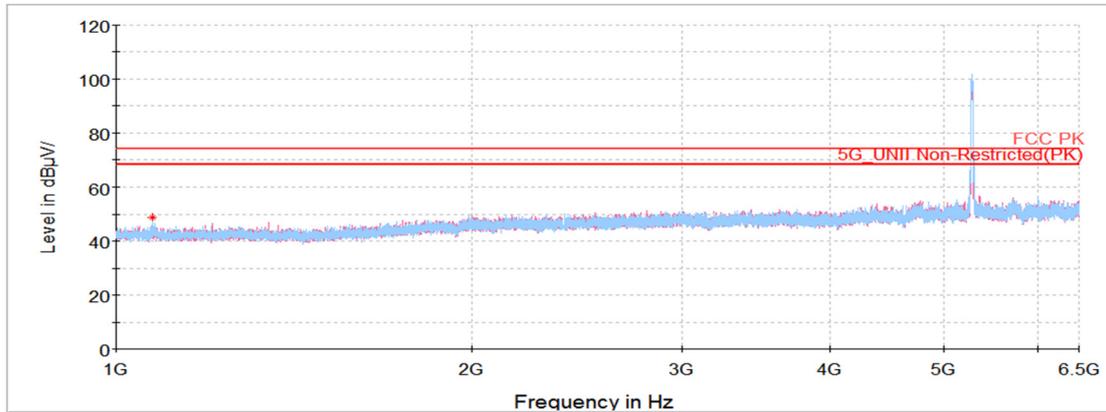
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**Middle Channel (5 280 MHz)**

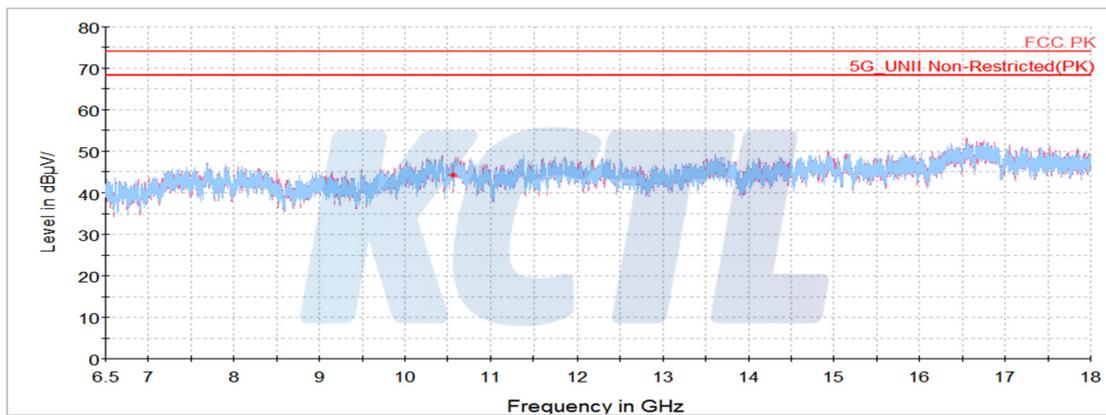
Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCCF	Result	Limit	Margin
(MHz)	(V/H)	(dB( $\mu V$ ))	(dB)	(dB)	(dB)	(dB( $\mu V/m$ ))	(dB( $\mu V/m$ ))	(dB)
<b>Peak data</b>								
10 560.22	V	55.26	37.44	-48.47	-	44.23	68.20	23.97
<b>Average Data</b>								
No spurious emissions were detected within 20 dB of the limit.								



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