

**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)

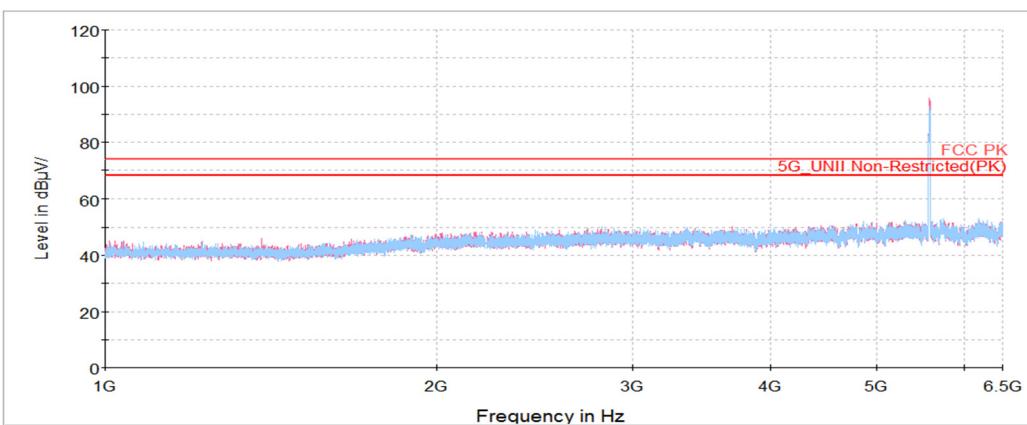
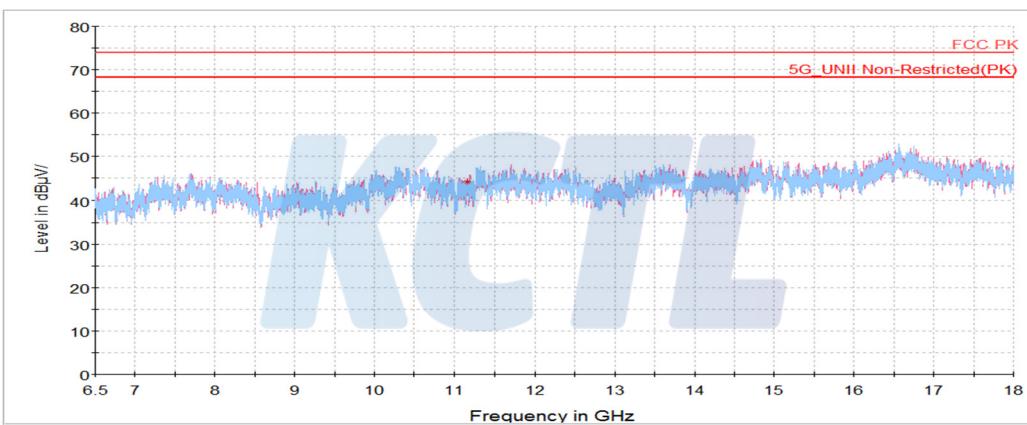
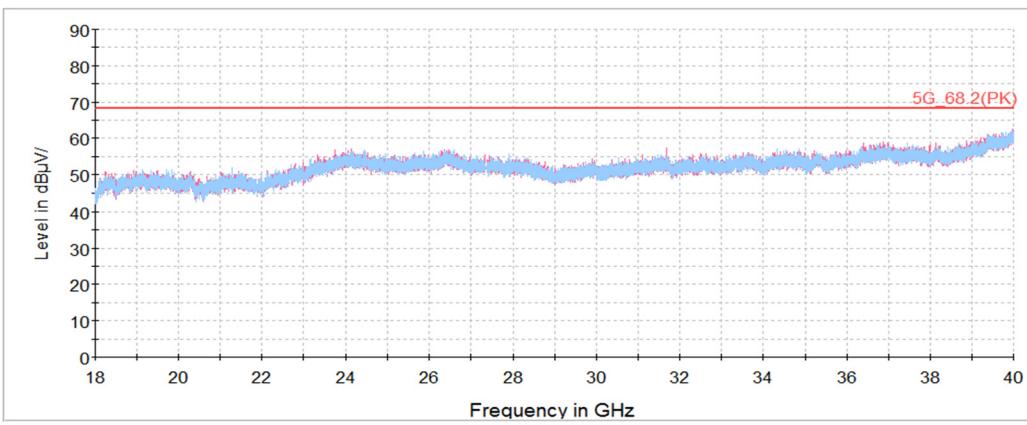
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**Middle Channel (5 580 MHz)**

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>								
11 160.38 <sup>1)</sup>	H	56.74	37.86	-50.34	-	44.26	74.00	29.74
<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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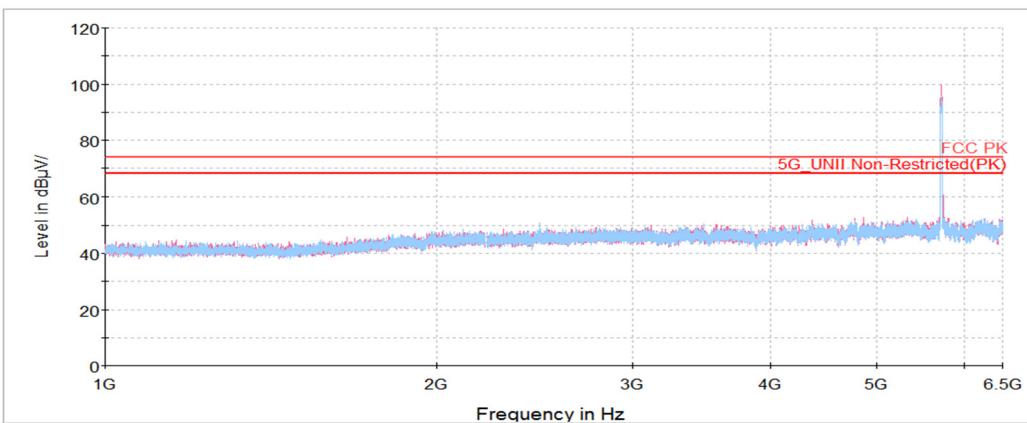
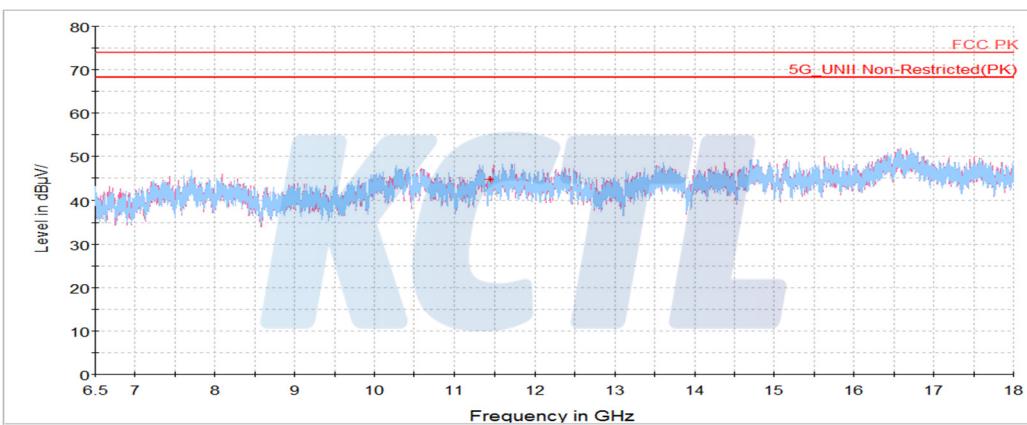
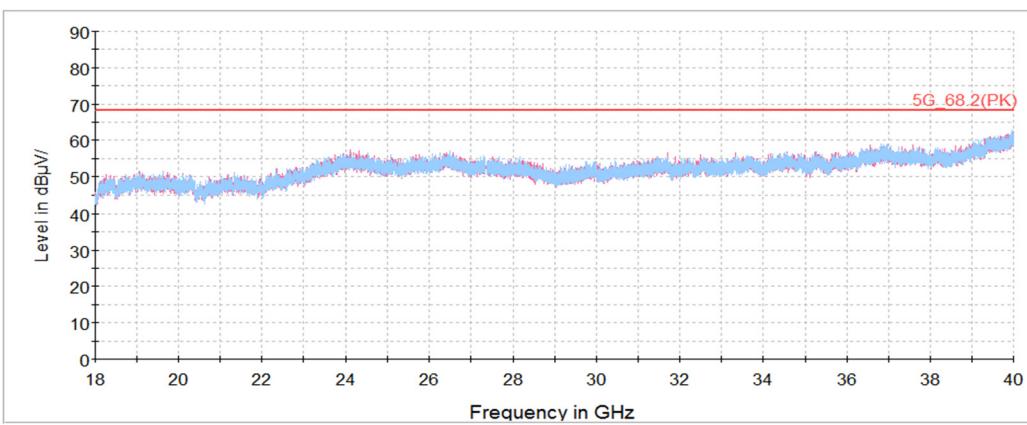
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**KCTL****Highest Channel (5 720 MHz)**

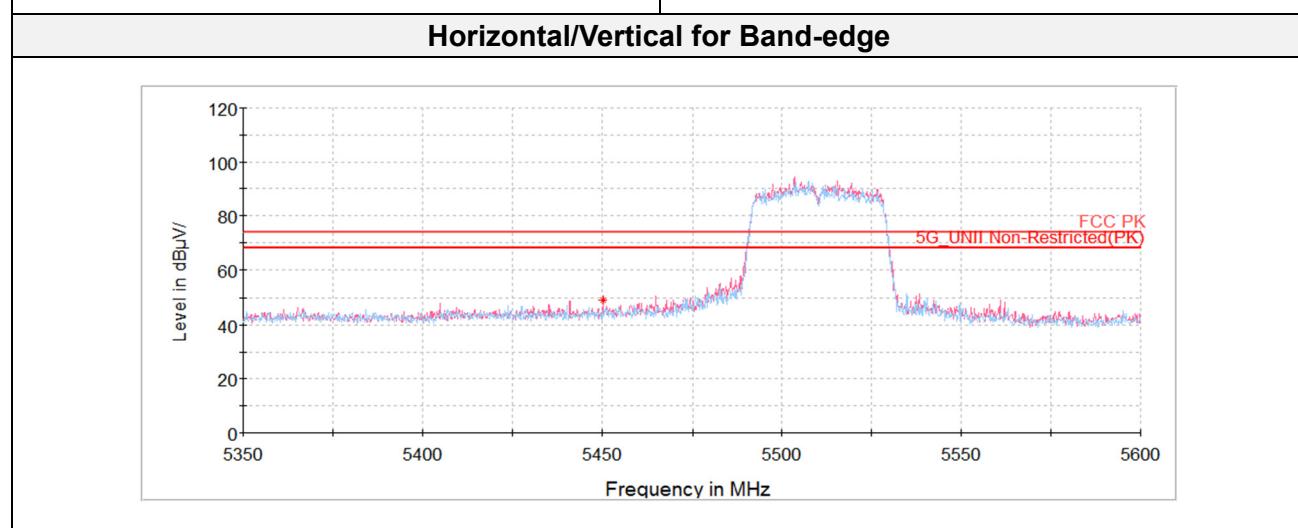
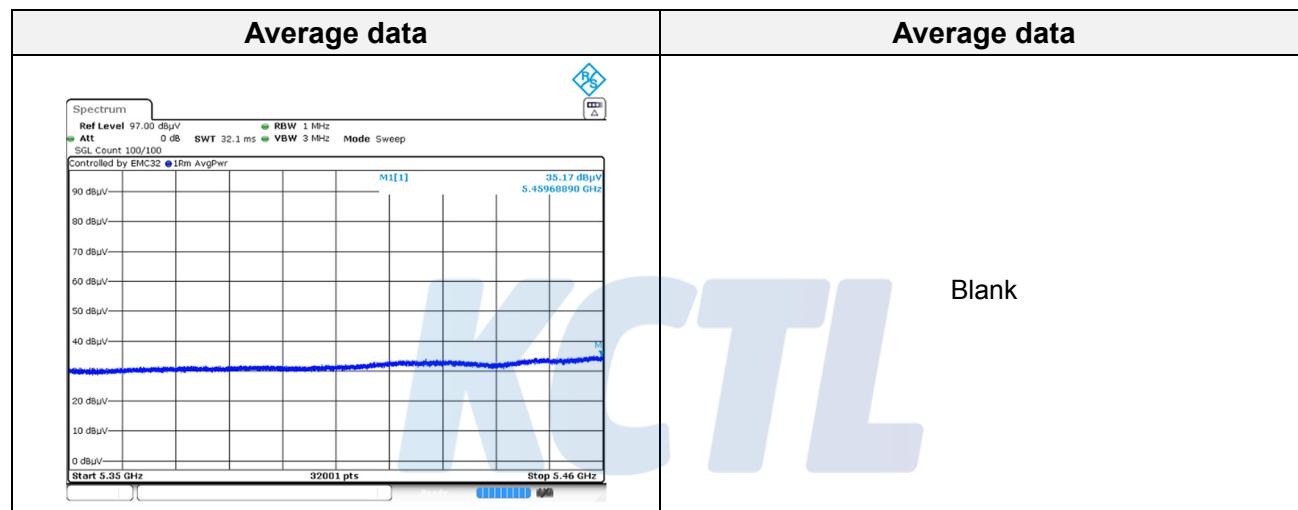
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(MHz)	(V/H)	(dB( $\mu$ V))	(dB)	(dB)	(dB)	(dB( $\mu$ V/m))	(dB( $\mu$ V/m))	(dB)
<b>Peak data</b>								
11 440.33 <sup>1)</sup>	V	55.02	38.14	-48.51	-	44.65	74.00	29.35
<b>Average Data</b>								
No spurious emissions were detected within 20 dB of the limit.								

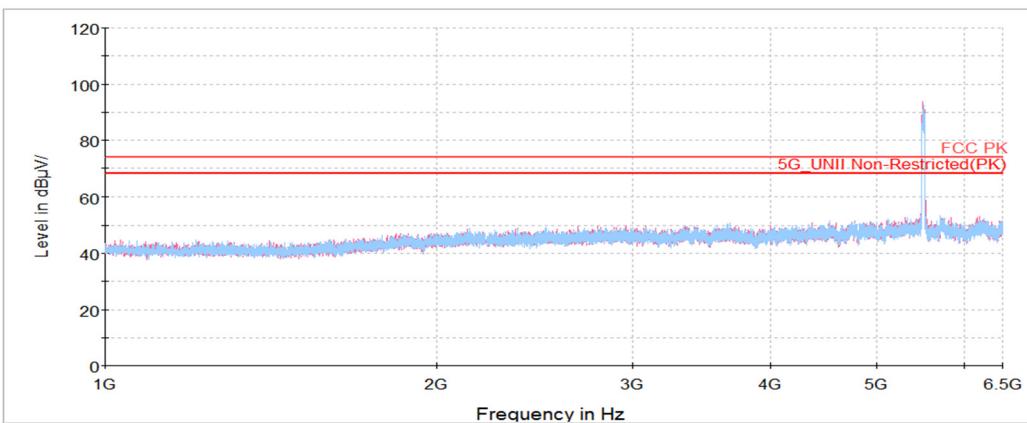
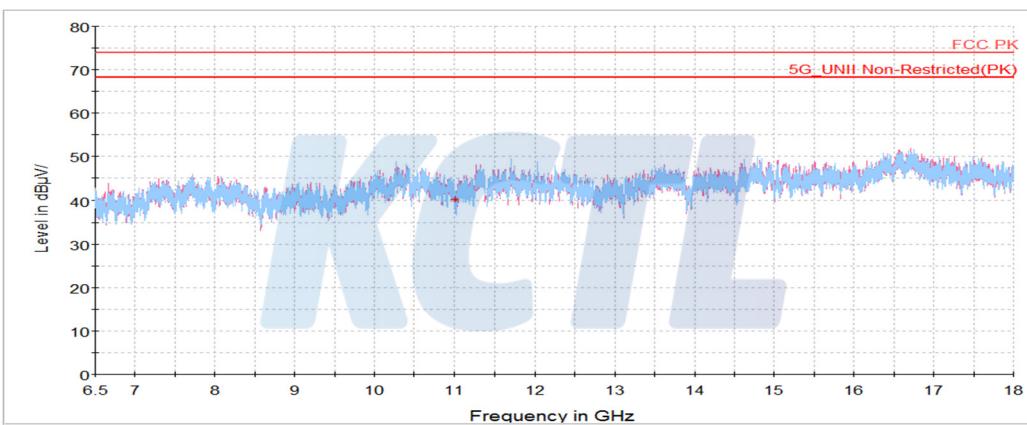
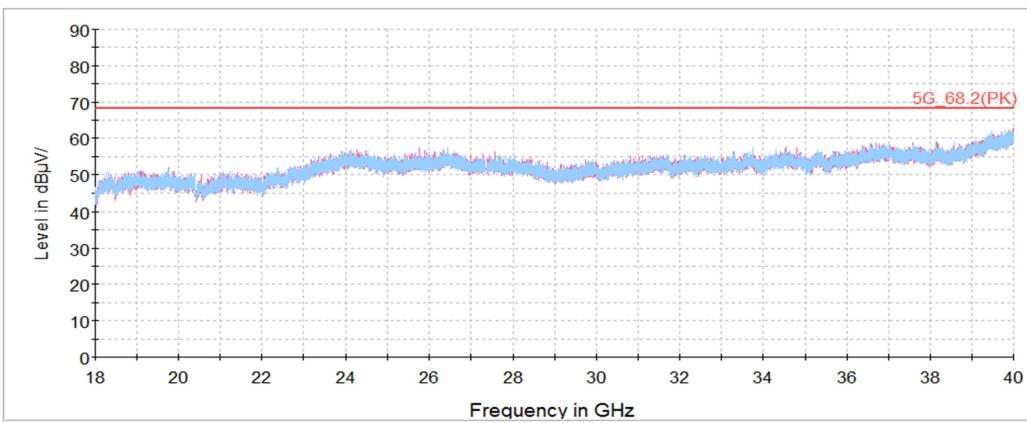
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**Horizontal/Vertical for 1 GHz ~ 6.5 GHz****Horizontal/Vertical for 6.5 GHz ~ 18 GHz****Horizontal/Vertical for 18 GHz ~ 40 GHz**

**802.11ac VHT40 UNII-2C****Lowest Channel (5 510 MHz)**

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCCF	Result	Limit	Margin
(MHz)	(V/H)	(dB( $\mu$ N))	(dB)	(dB)	(dB)	(dB( $\mu$ N/m))	(dB( $\mu$ N/m))	(dB)
<b>Peak data</b>								
5 459.69 <sup>1)</sup>	V	42.22	34.45	-27.35	-	49.32	74.00	24.68
11 020.94 <sup>1)</sup>	H	53.63	37.72	-51.25	-	40.10	74.00	33.90
<b>Average Data</b>								
5 459.69 <sup>1)</sup>	V	35.17	34.45	-27.35	0.62	42.89	54.00	11.11



**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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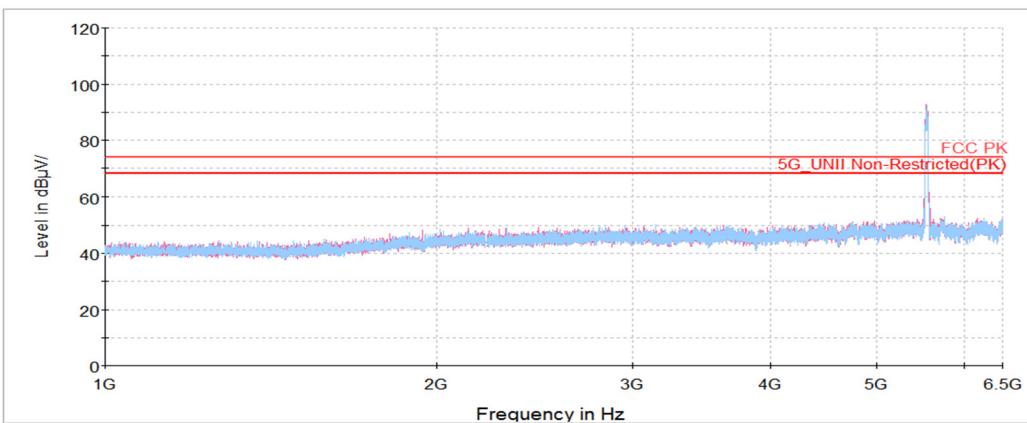
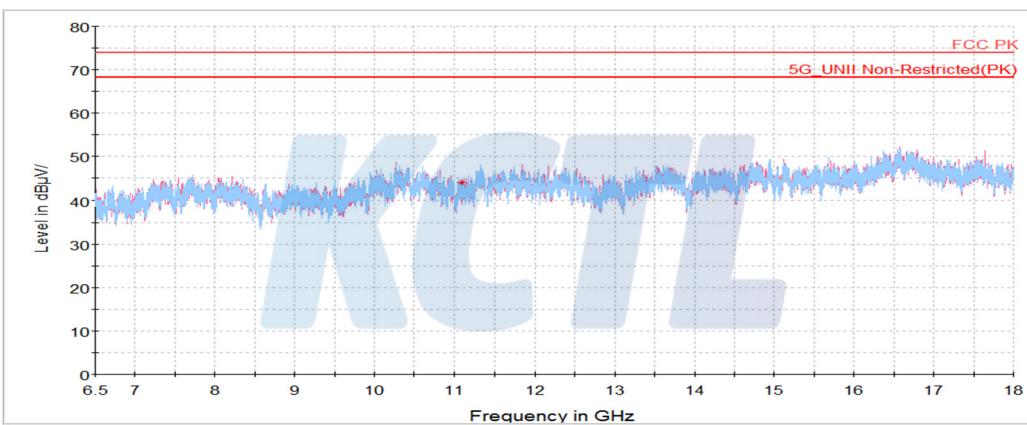
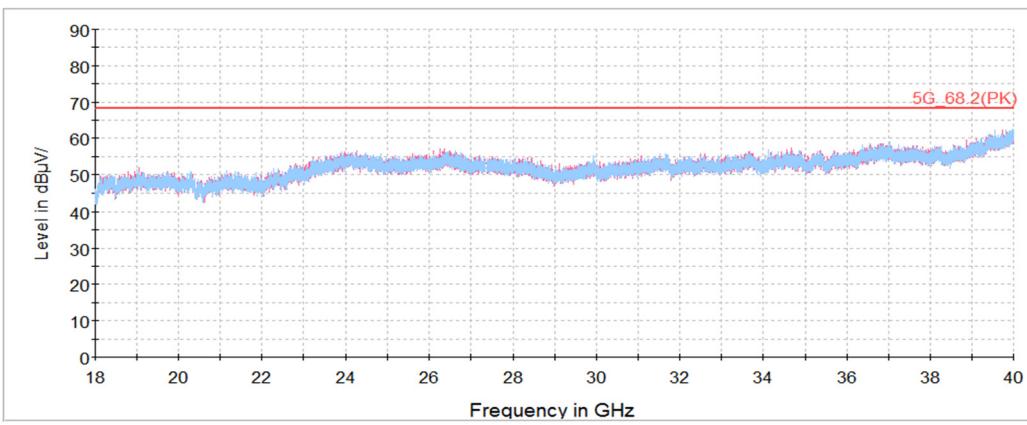
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**Middle Channel (5 550 MHz)**

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>								
11 100.36 <sup>1)</sup>	H	57.01	37.80	-50.73	-	44.08	74.00	29.92
<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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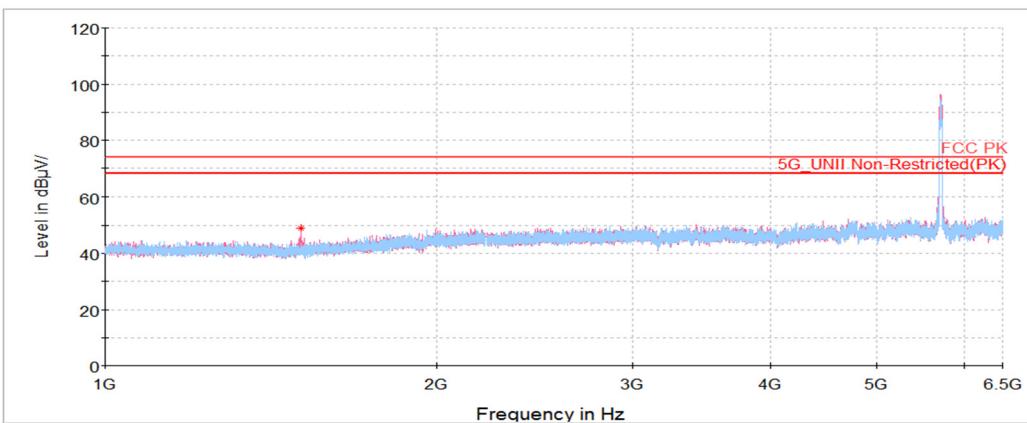
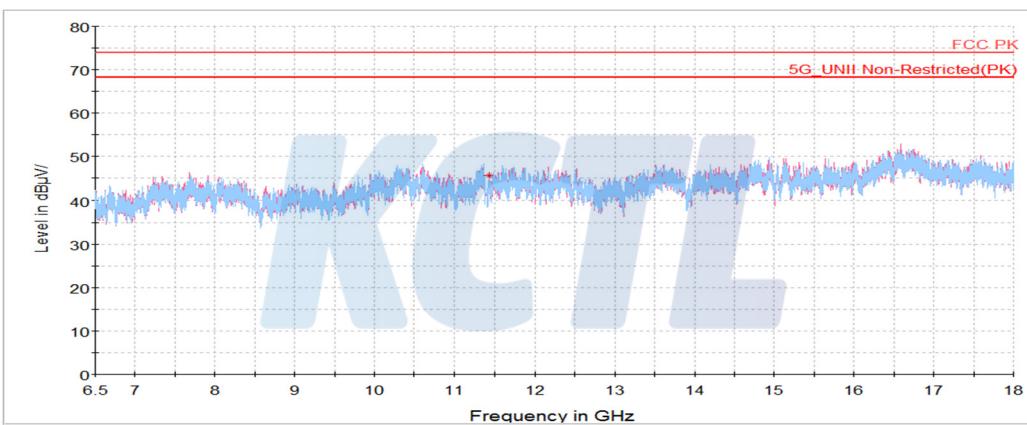
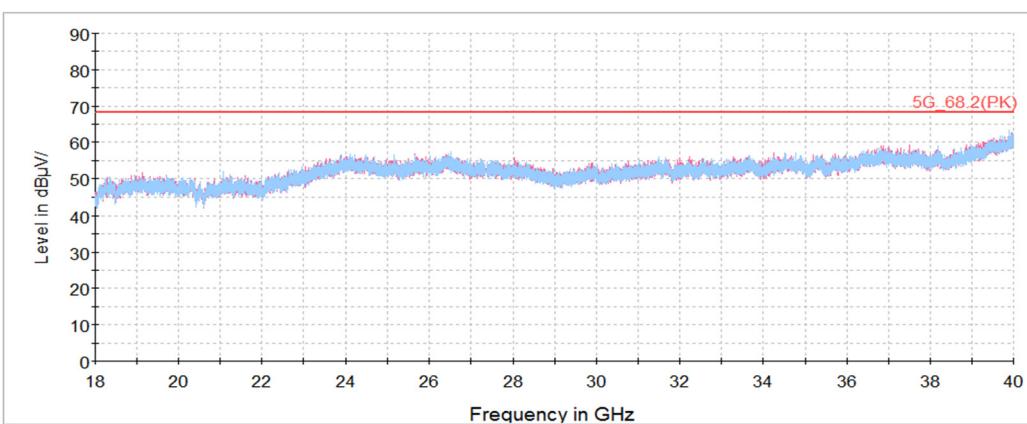
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**Highest Channel (5 710 MHz)**

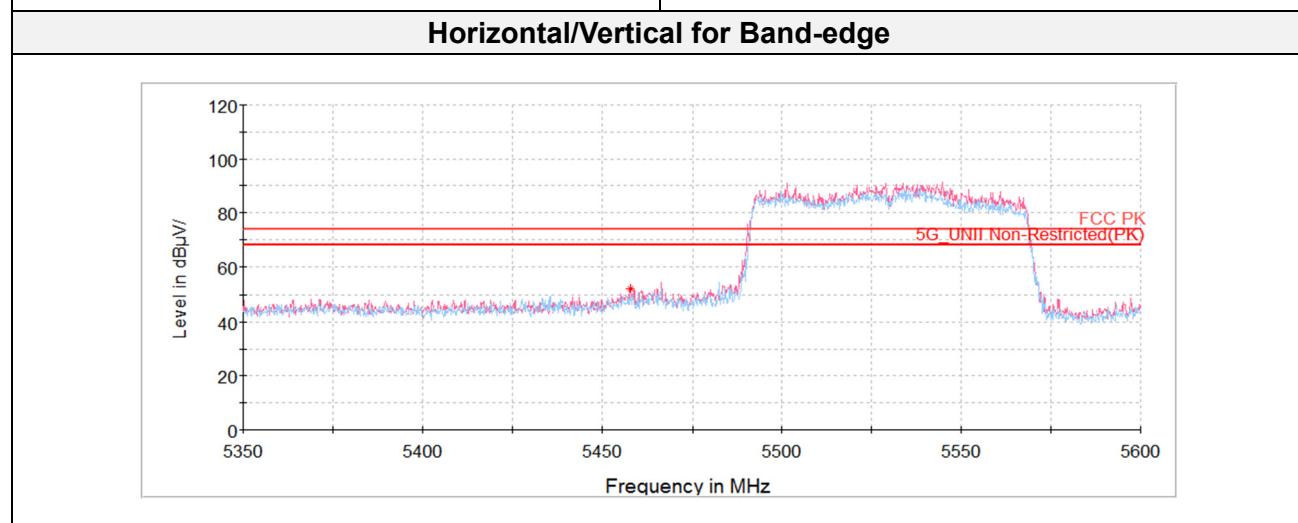
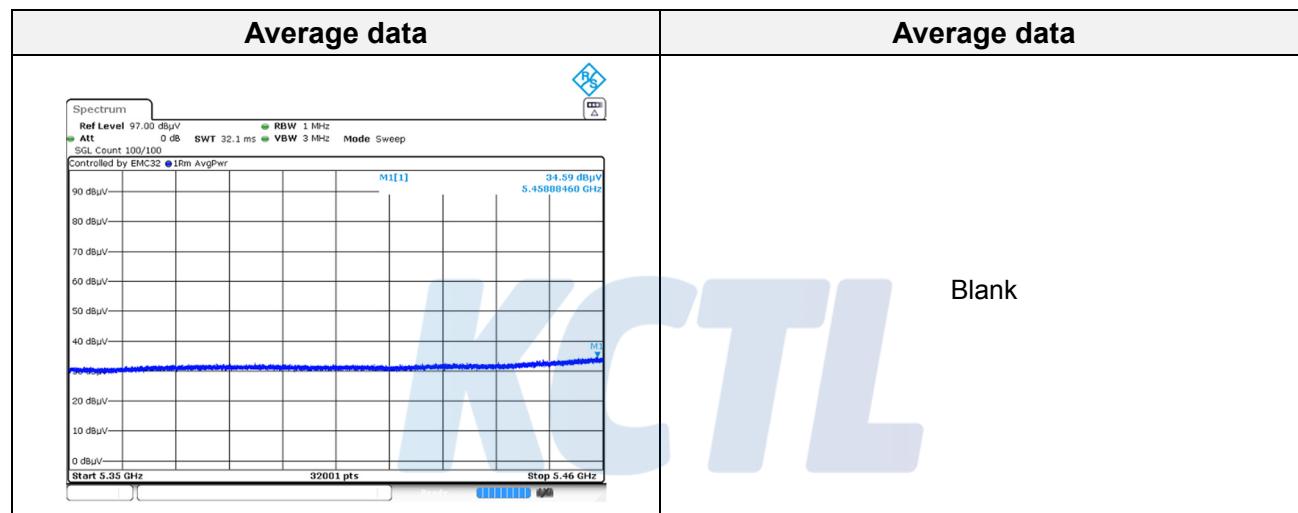
Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCCF	Result	Limit	Margin
(MHz)	(V/H)	(dB(µV))	(dB)	(dB)	(dB)	(dB(µV/m))	(dB(µV/m))	(dB)
<b>Peak data</b>								
11 420.20 <sup>1)</sup>	H	56.20	38.12	-48.64	-	45.68	74.00	28.32
<b>Average Data</b>								
No spurious emissions were detected within 20 dB of the limit.								

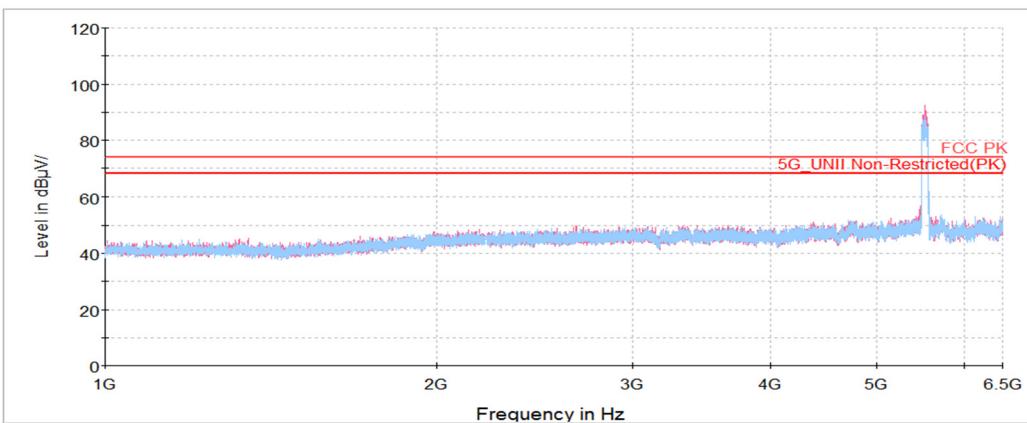
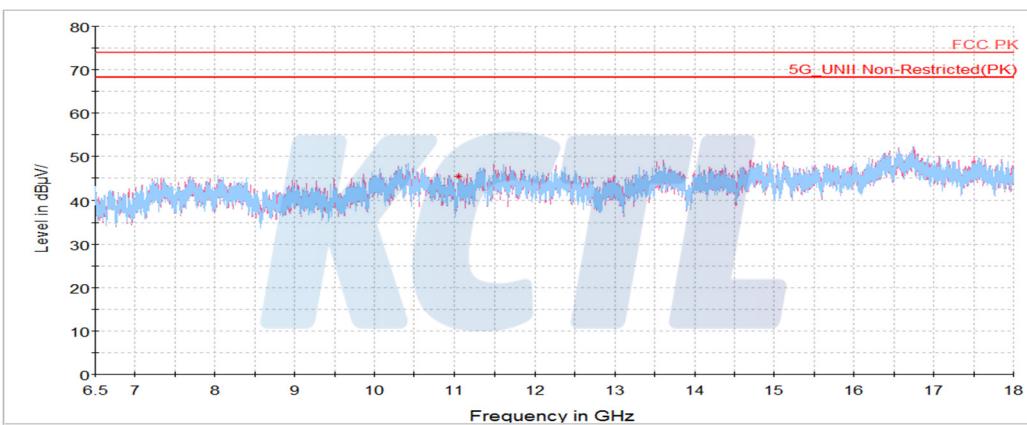
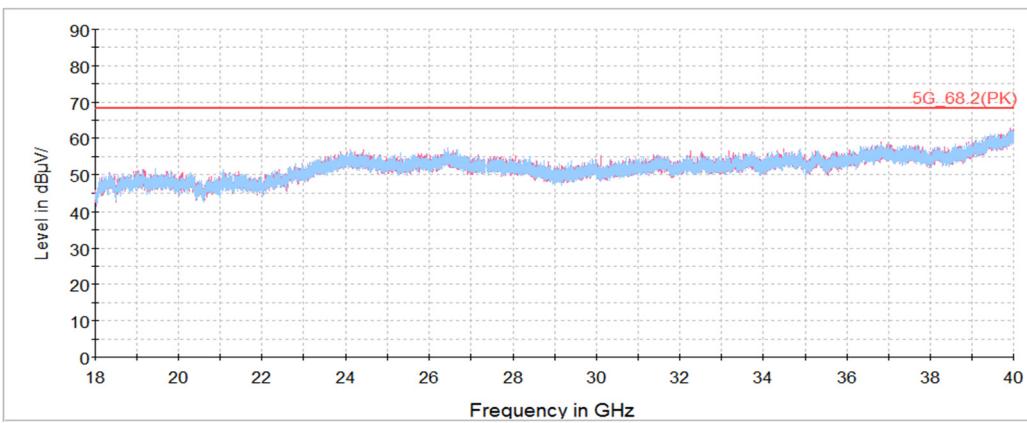


**Horizontal/Vertical for 1 GHz ~ 6.5 GHz****Horizontal/Vertical for 6.5 GHz ~ 18 GHz****Horizontal/Vertical for 18 GHz ~ 40 GHz**

**802.11ac VHT80 UNII-2C****Lowest Channel (5 530 MHz)**

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCCF	Result	Limit	Margin
(MHz)	(V/H)	(dB( $\mu$ N))	(dB)	(dB)	(dB)	(dB( $\mu$ N/m))	(dB( $\mu$ N/m))	(dB)
<b>Peak data</b>								
5 458.88 <sup>1)</sup>	V	45.18	34.45	-27.34	-	52.29	74.00	21.71
11 060.47 <sup>1)</sup>	H	58.62	37.76	-50.99	-	45.39	74.00	28.61
<b>Average Data</b>								
5 458.88 <sup>1)</sup>	V	34.59	34.45	-27.34	1.16	42.86	54.00	11.14



**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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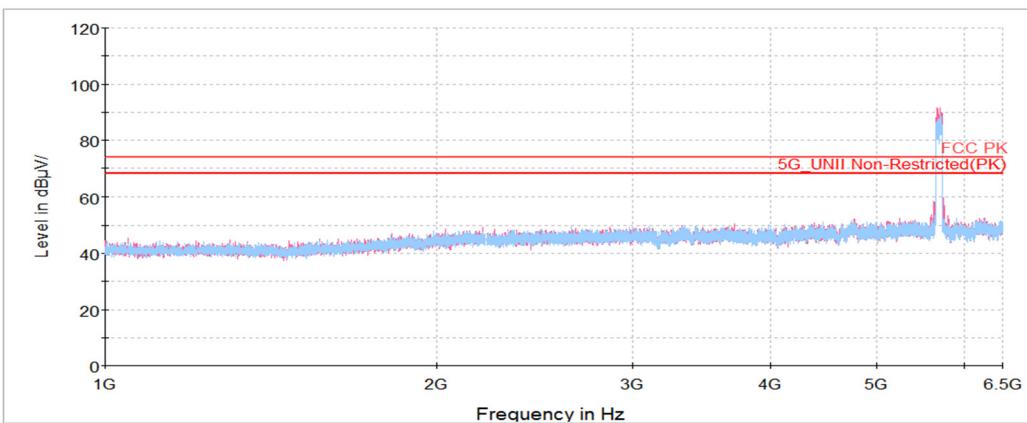
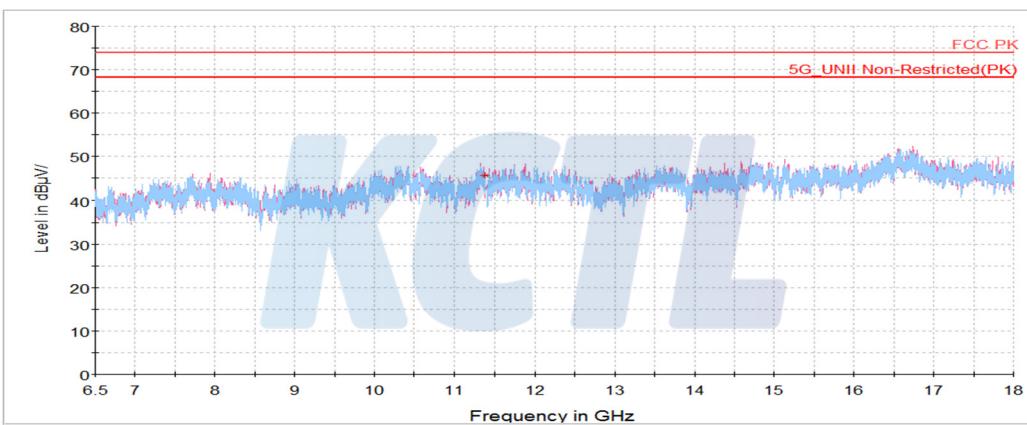
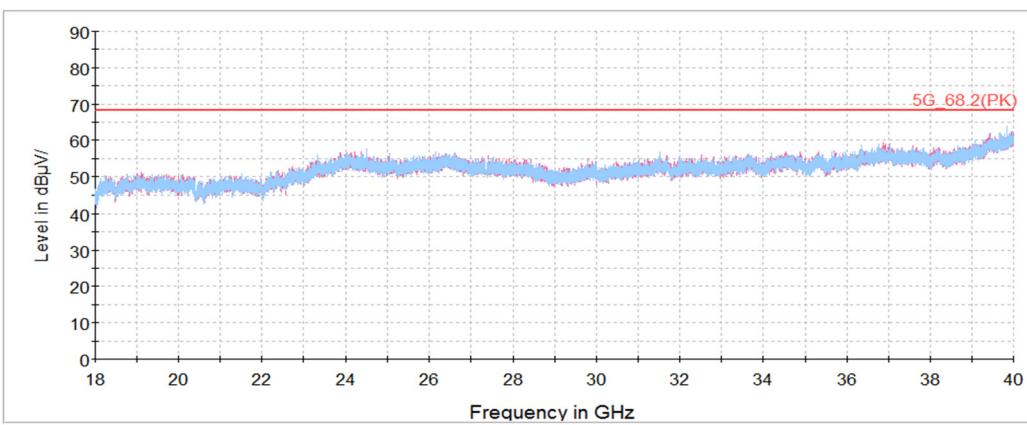
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**KCTL****Highest Channel (5 690 MHz)**

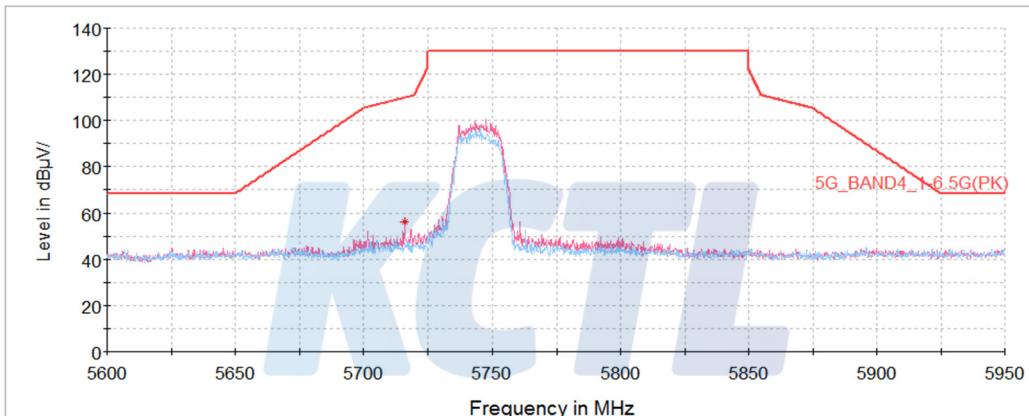
Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCCF	Result	Limit	Margin
(MHz)	(V/H)	(dB( $\mu$ V))	(dB)	(dB)	(dB)	(dB( $\mu$ V/m))	(dB( $\mu$ V/m))	(dB)
<b>Peak data</b>								
11 381.75 <sup>1)</sup>	H	56.38	38.08	-48.89	-	45.57	74.00	28.43
<b>Average Data</b>								
No spurious emissions were detected within 20 dB of the limit.								

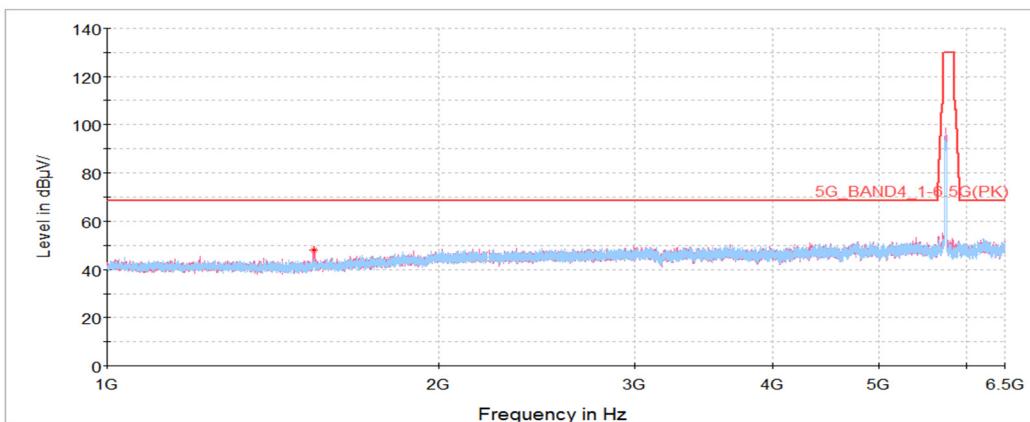
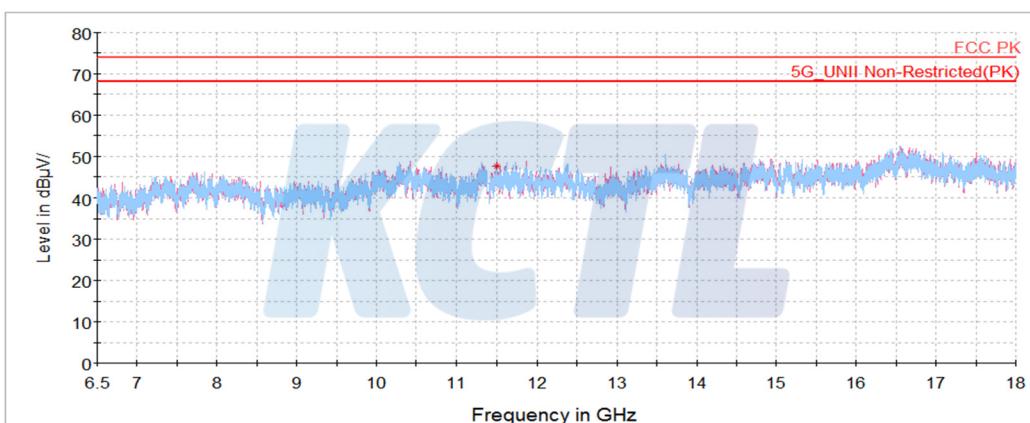
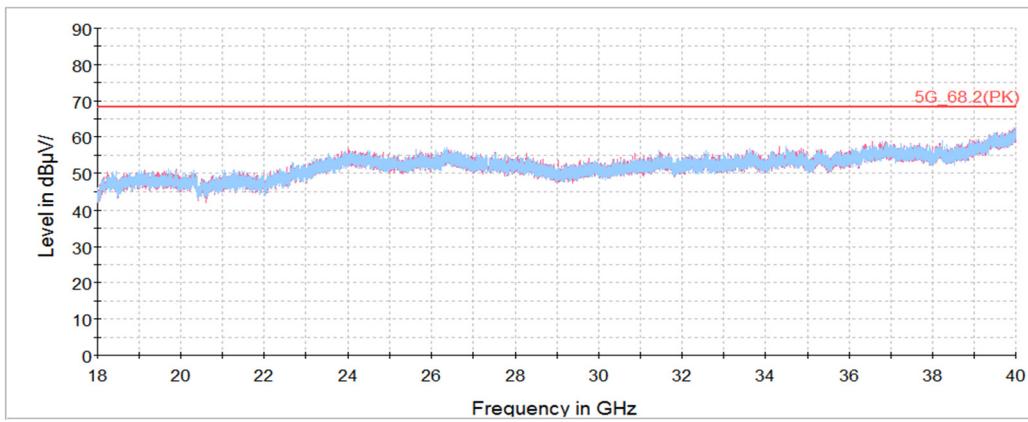
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**Horizontal/Vertical for 1 GHz ~ 6.5 GHz****Horizontal/Vertical for 6.5 GHz ~ 18 GHz****Horizontal/Vertical for 18 GHz ~ 40 GHz**

**802.11a UNII-3****Lowest Channel (5 745 MHz)**

Frequency (MHz)	Pol. (V/H)	Reading (dB( $\mu$ V))	Ant. Factor (dB)	Amp.+Cable (dB)	DCCF	Result (dB( $\mu$ V/m))	Limit (dB( $\mu$ V/m))	Margin (dB)
<b>Peak data</b>								
5 716.08	H	47.17	34.76	-25.79	-	56.14	109.70	53.56
11 488.84 <sup>1)</sup>	H	57.50	38.19	-48.19	-	47.50	74.00	26.50
<b>Average Data</b>								
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**

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