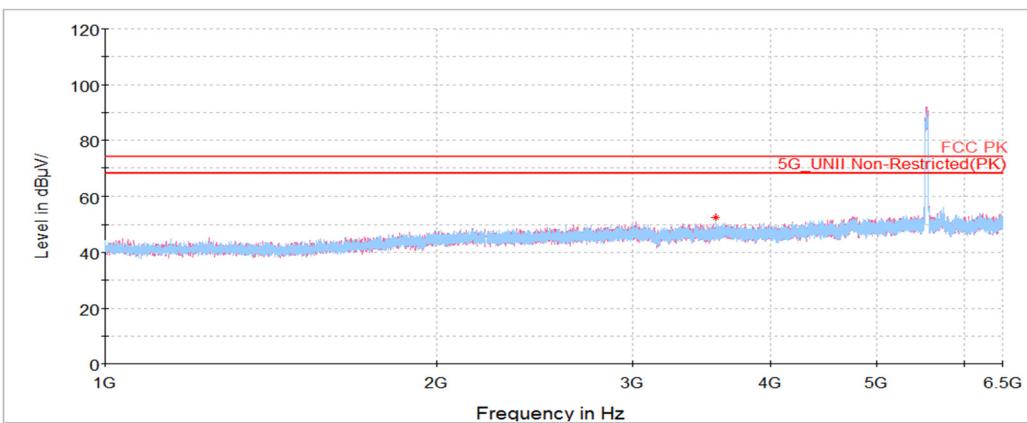
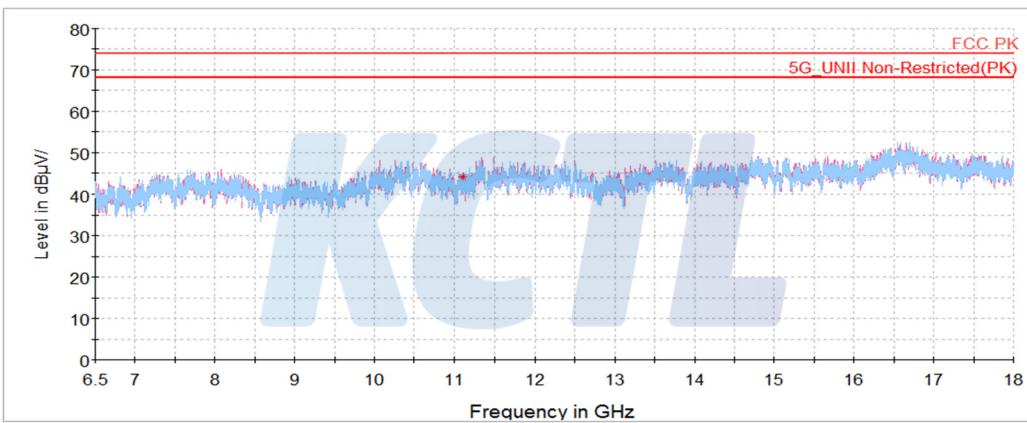
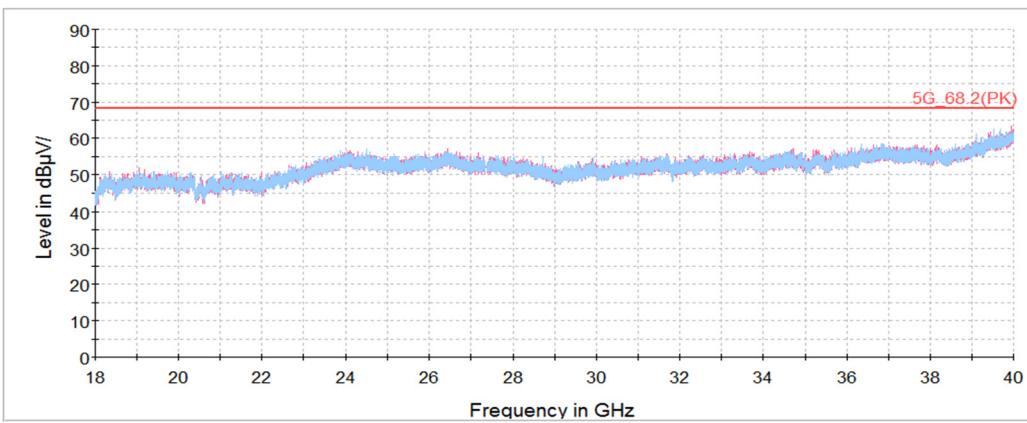


**Horizontal/Vertical for 1 GHz ~ 6.5 GHz****Horizontal/Vertical for 6.5 GHz ~ 18 GHz****Horizontal/Vertical for 18 GHz ~ 40 GHz**

**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)

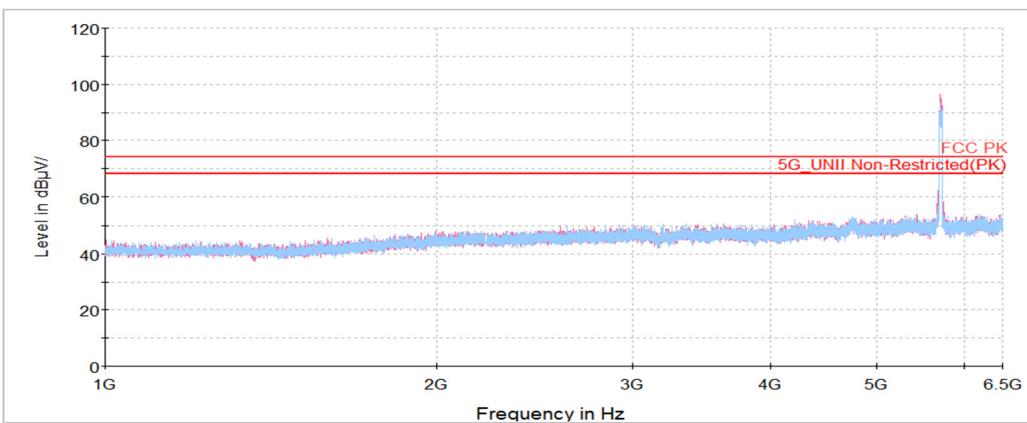
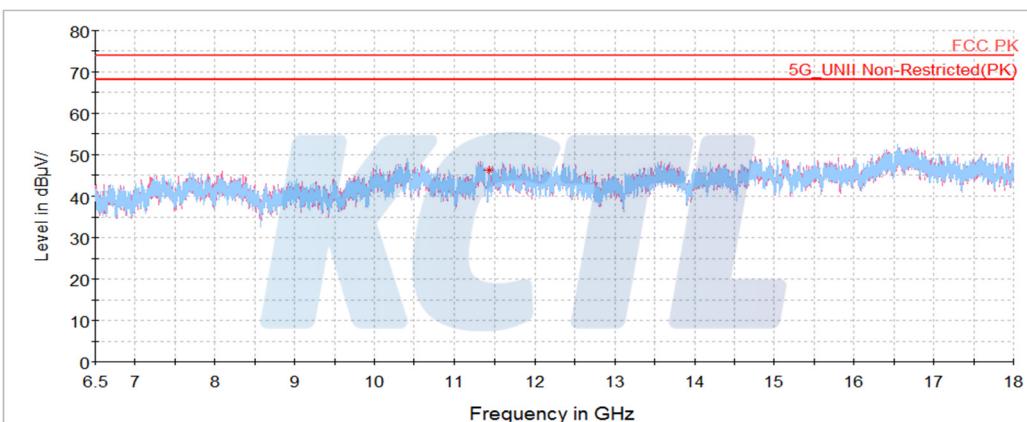
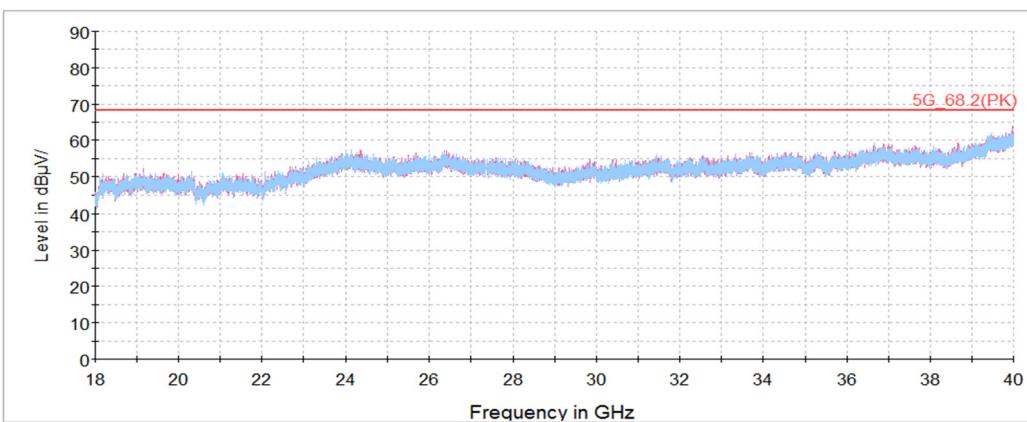
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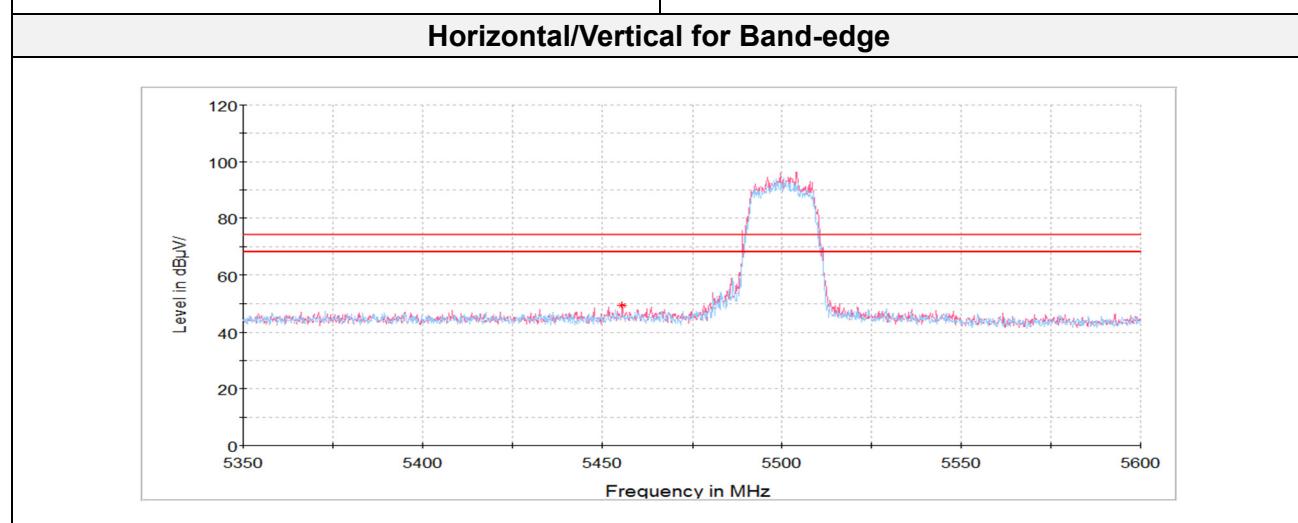
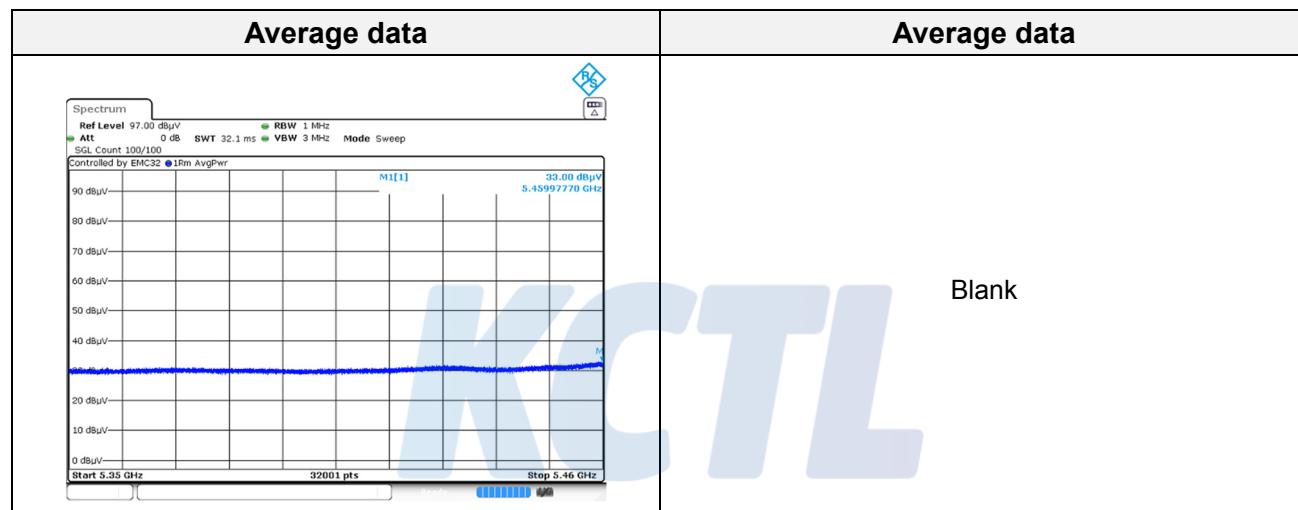
**Highest Channel (5 710 MHz)**

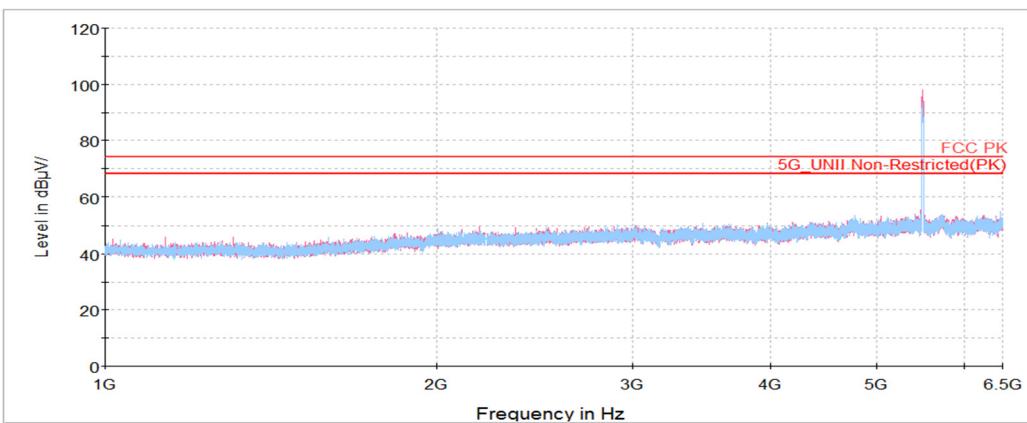
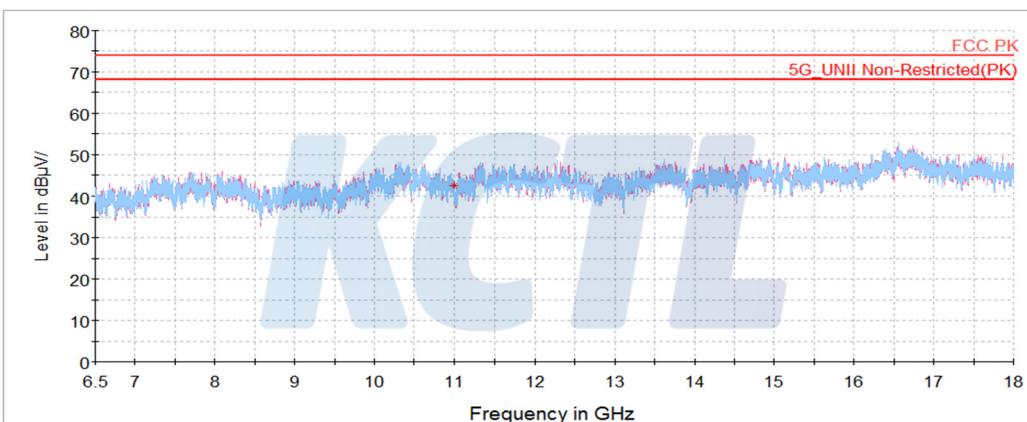
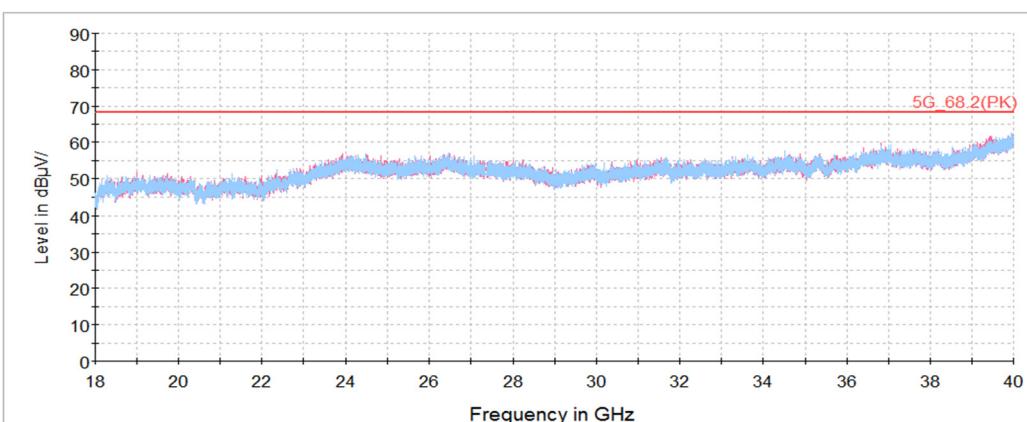
Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCCF	Result	Limit	Margin
(MHz)	(V/H)	(dB(µV))	(dB)	(dB)	(dB)	(dB(µV/m))	(dB(µV/m))	(dB)
<b>Peak data</b>								
11 420.92 <sup>1)</sup>	V	56.76	38.12	-48.63	-	46.25	74.00	27.75
<b>Average Data</b>								
No spurious emissions were detected within 20 dB 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 VHT20 UNII-2C****Lowest Channel (5 500 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>								
5 459.98 <sup>1)</sup>	V	42.48	34.45	-27.35	-	49.58	74.00	24.42
11 001.89 <sup>1)</sup>	H	56.22	37.70	-51.37	-	42.55	74.00	31.45
<b>Average Data</b>								
5 459.98 <sup>1)</sup>	V	33.00	34.45	-27.35	0.31	40.41	54.00	13.59



**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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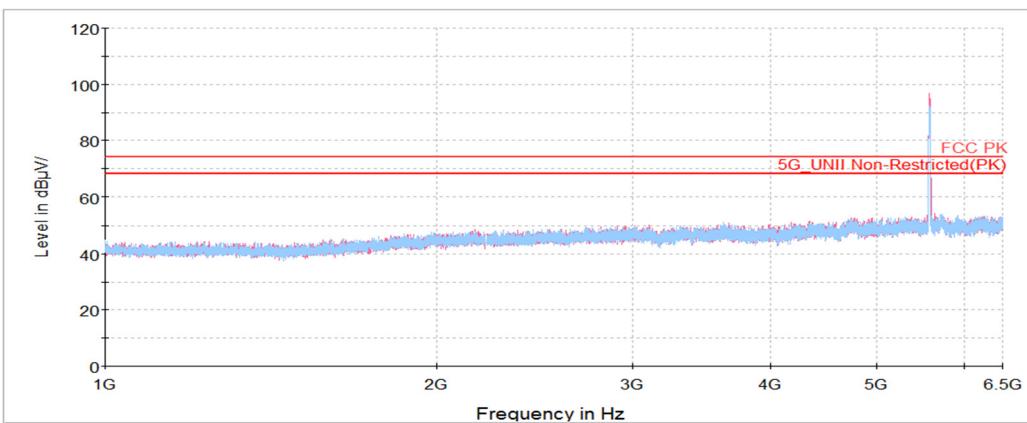
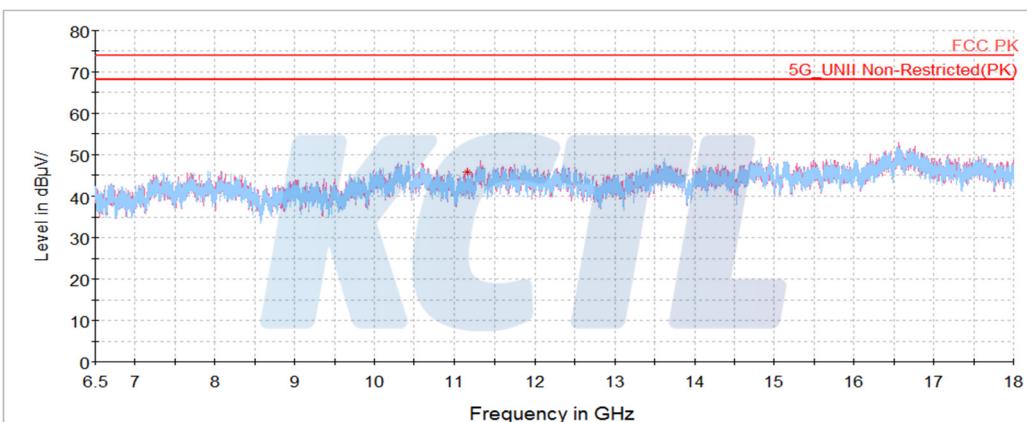
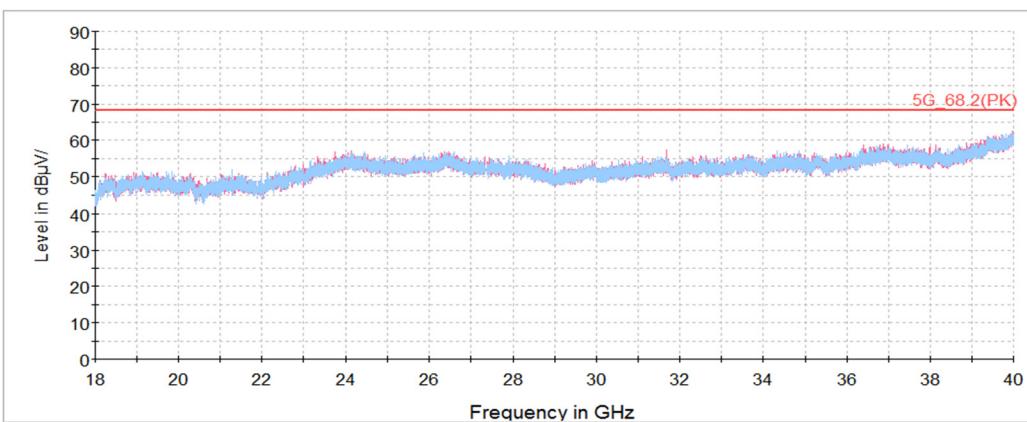
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**Middle Channel (5 580 MHz)**

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>								
11 159.66 <sup>1)</sup>	H	58.29	37.86	-50.34	-	45.81	74.00	28.19
<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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Report No.:

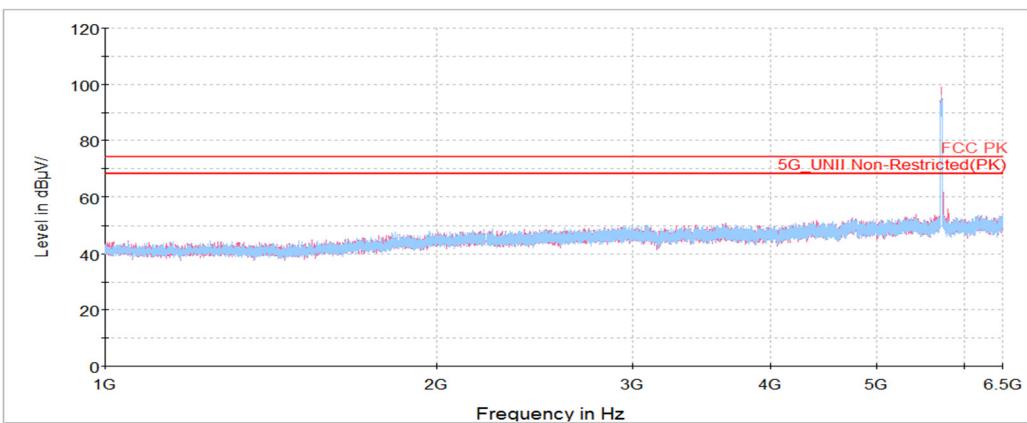
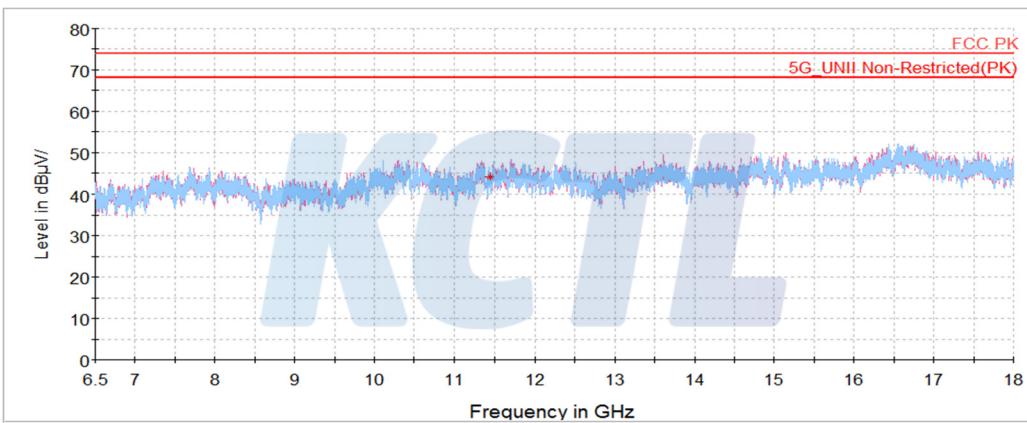
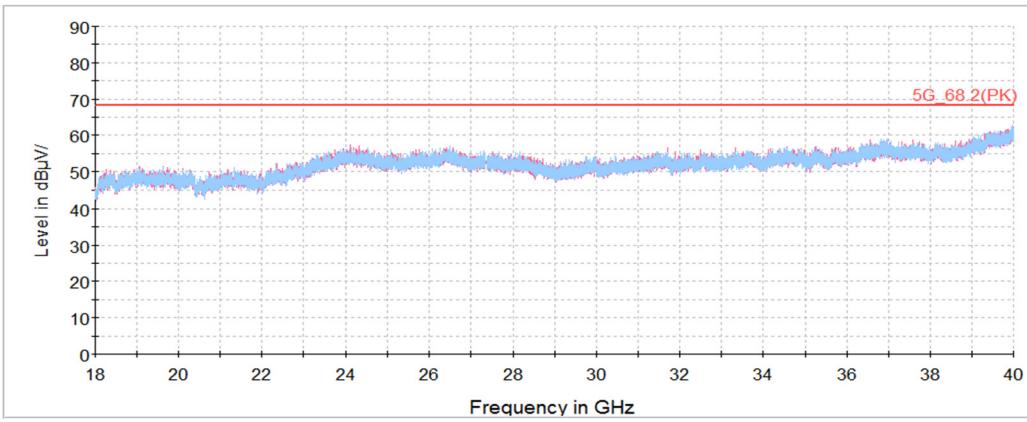
KR20-SRF0051

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**KCTL****Highest Channel (5 720 MHz)**

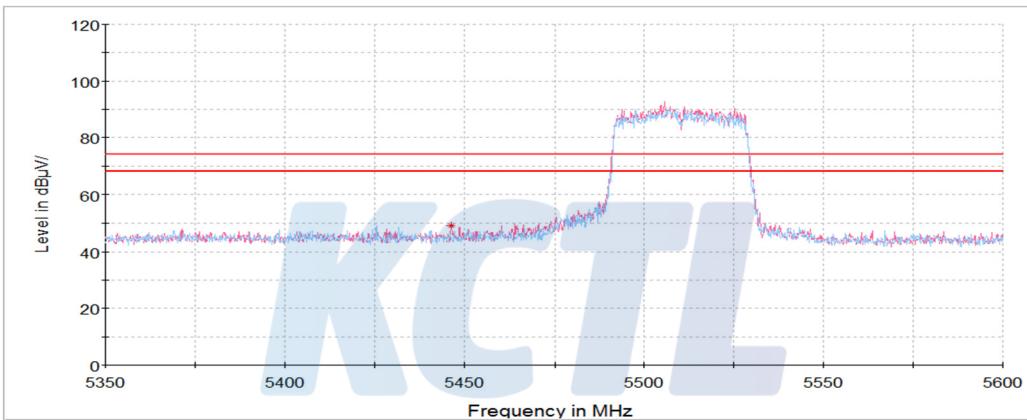
Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCCF	Result	Limit	Margin
(MHz)	(V/H)	(dB( $\mu$ V))	(dB)	(dB)	(dB)	(dB( $\mu$ V/m))	(dB( $\mu$ V/m))	(dB)
<b>Peak data</b>								
11 441.05 <sup>1)</sup>	H	54.51	38.14	-48.5	-	44.15	74.00	29.85
<b>Average Data</b>								
No spurious emissions were detected within 20 dB of the limit.								

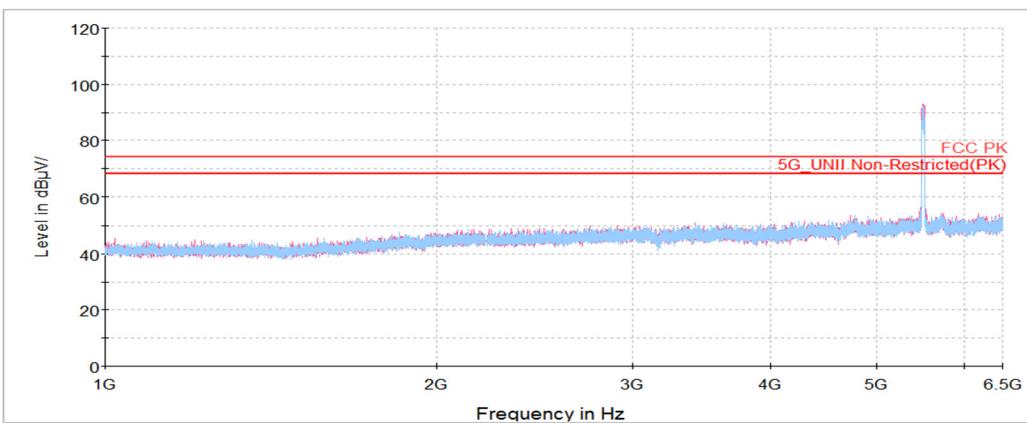
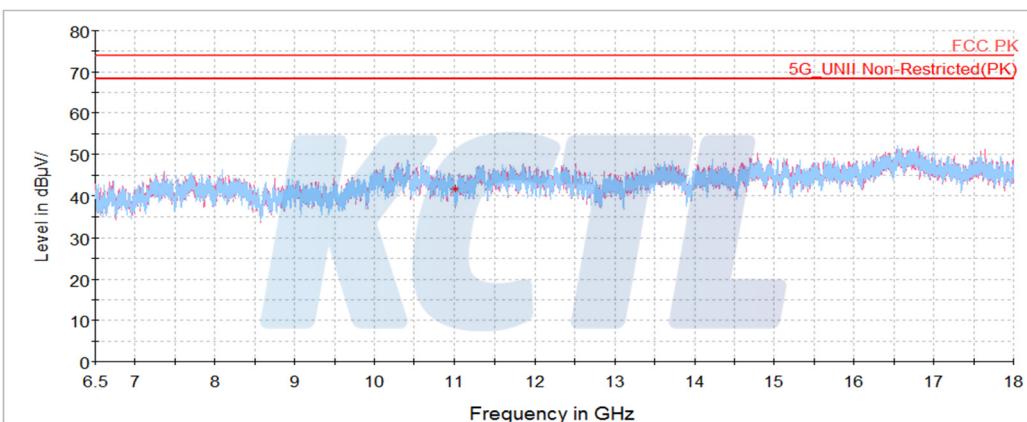
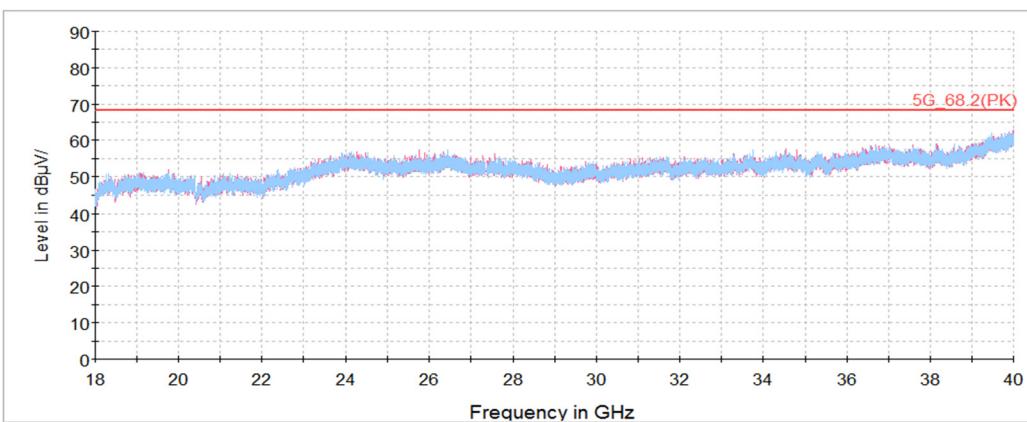
**KCTL**

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

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

Frequency (MHz)	Pol.	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>								
5 446.58 <sup>1)</sup>	V	42.12	34.44	-27.21	-	49.35	74.00	24.65
11 019.14 <sup>1)</sup>	V	55.17	37.72	-51.26	-	41.63	74.00	32.37
<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**

**KCTL Inc.**

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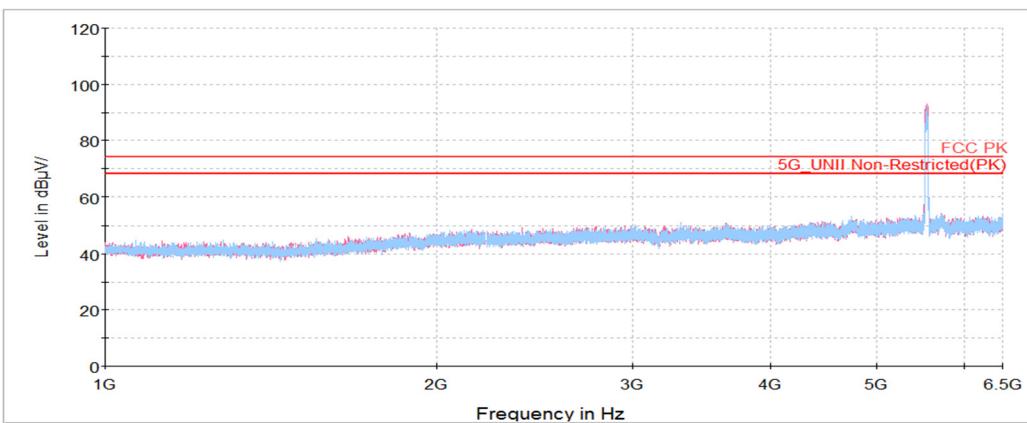
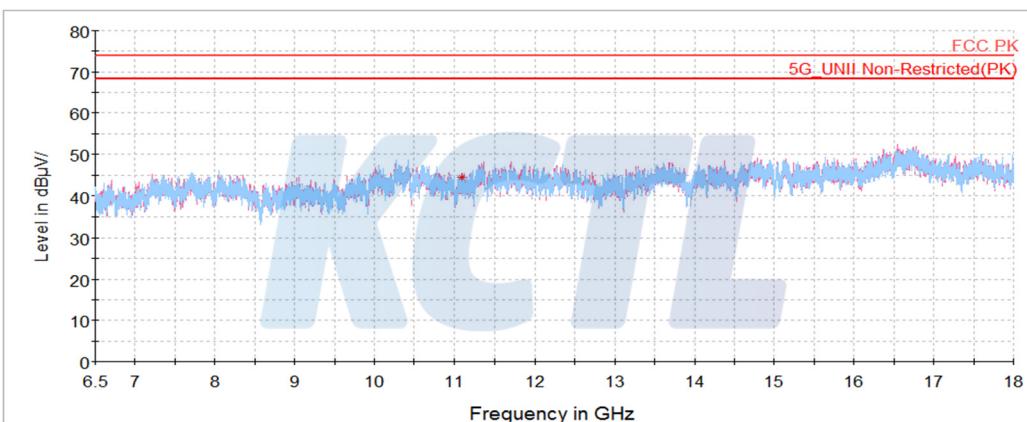
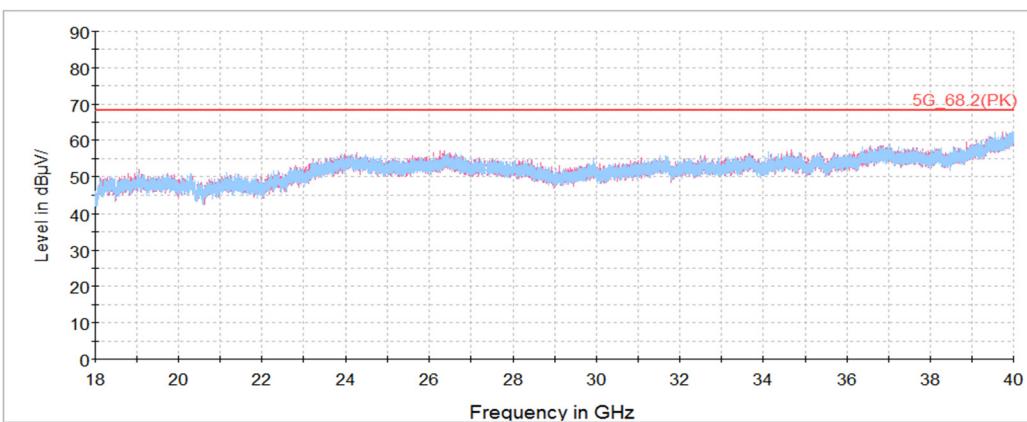
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**Middle Channel (5 590 MHz)**

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	57.31	37.80	-50.73	-	44.38	74.00	29.62
<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****Highest Channel (5 710 MHz)**

**KCTL Inc.**

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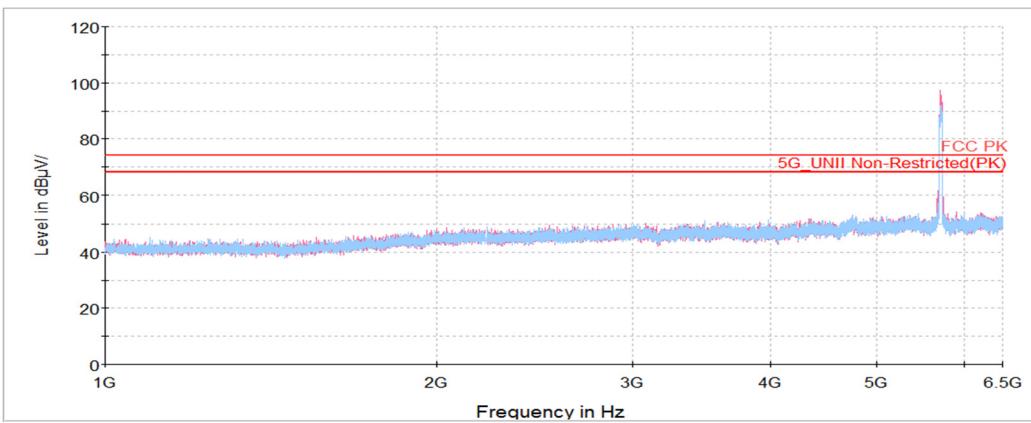
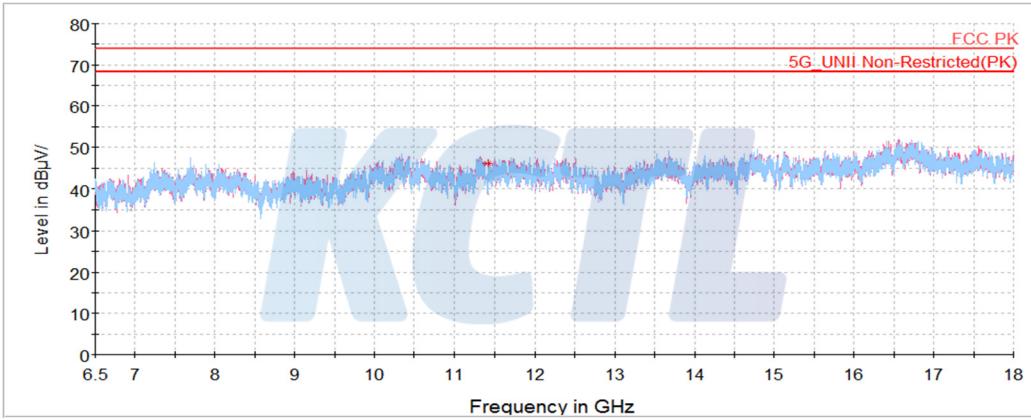
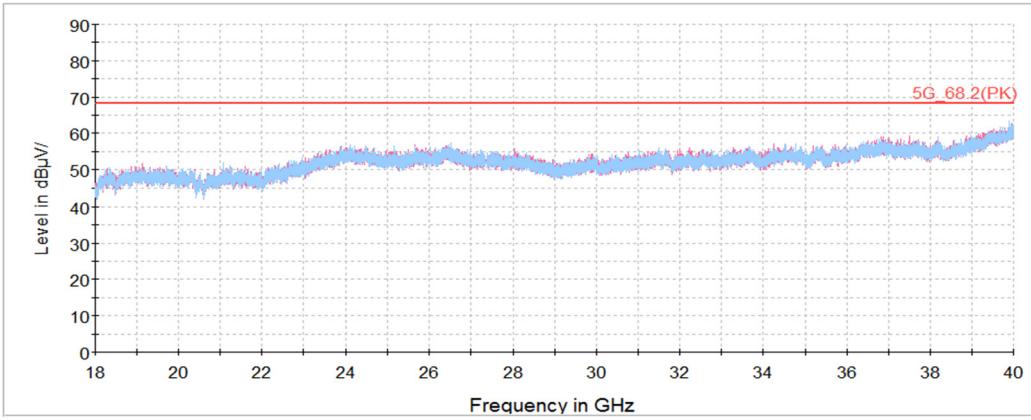
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Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCCF	Result	Limit	Margin
(MHz)	(V/H)	(dB(µV))	(dB)	(dB)	(dB)	(dB(µV/m))	(dB(µV/m))	(dB)
<b>Peak data</b>								
11 419.48	H	56.53	38.12	-48.64	-	46.01	74.00	27.99
<b>Average Data</b>								
No spurious emissions were detected within 20 dB of the limit.								

A large, semi-transparent watermark of the "KCTL" logo is centered on the page. The letters are rendered in a lighter shade of blue than the header logo, creating a subtle watermark effect.

**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>								
5 459.16 <sup>1)</sup>	V	44.76	34.45	-27.34	-	51.87	74.00	22.13
11 059.03 <sup>1)</sup>	H	57.35	37.76	-51.00	-	44.11	74.00	29.89
<b>Average Data</b>								
5 459.16 <sup>1)</sup>	V	34.72	34.45	-27.34	1.17	43.00	54.00	11.00

