

**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)

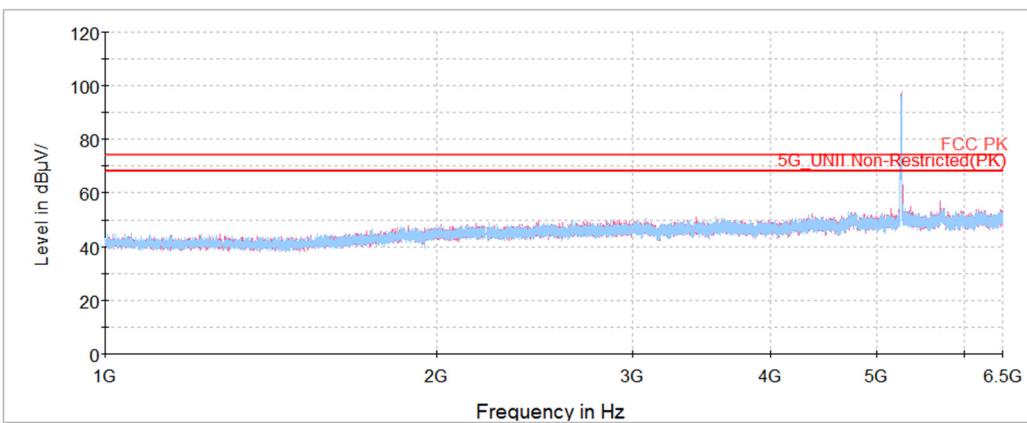
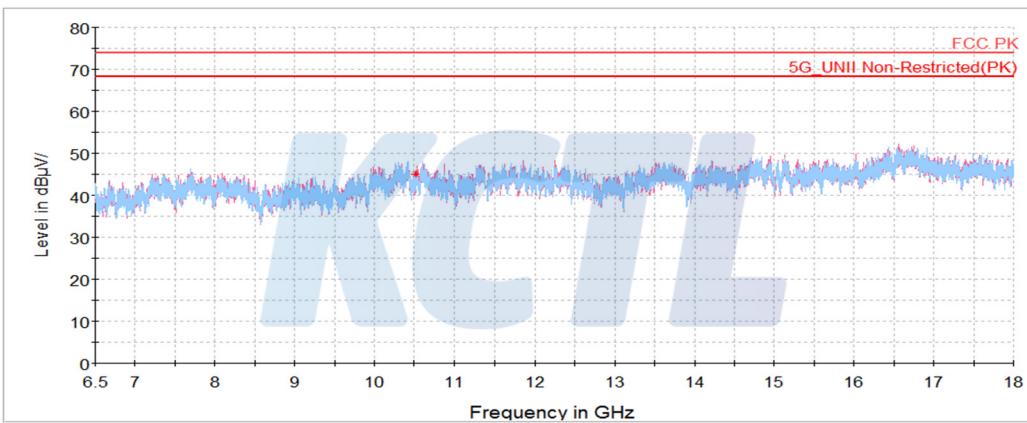
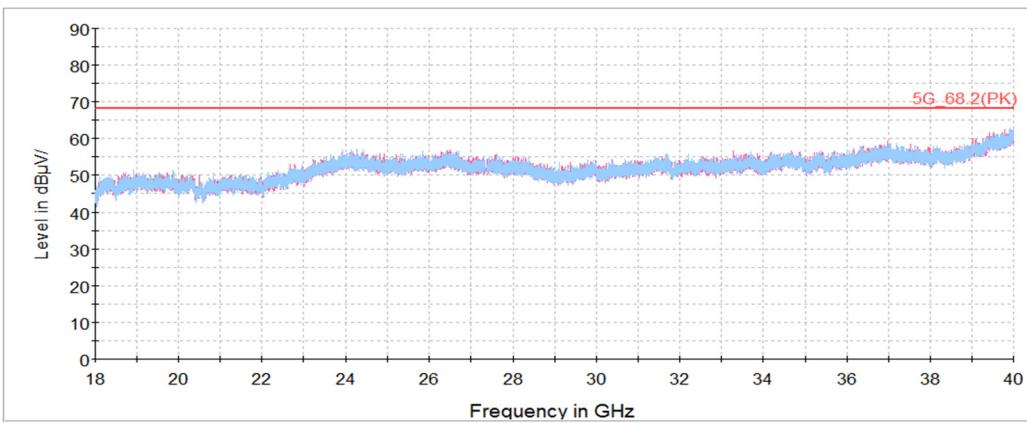
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KR20-SRF0044

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**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>								
10 520.33	H	55.80	37.41	-48.21	-	45.00	68.20	23.20
<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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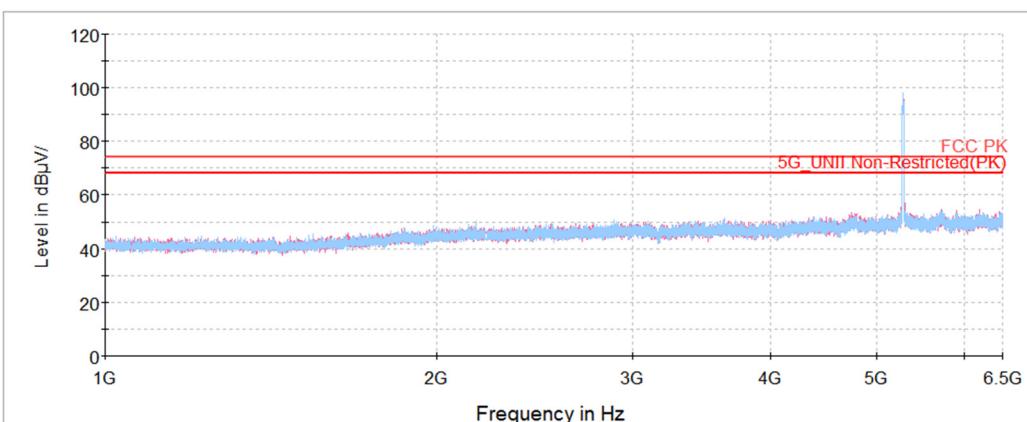
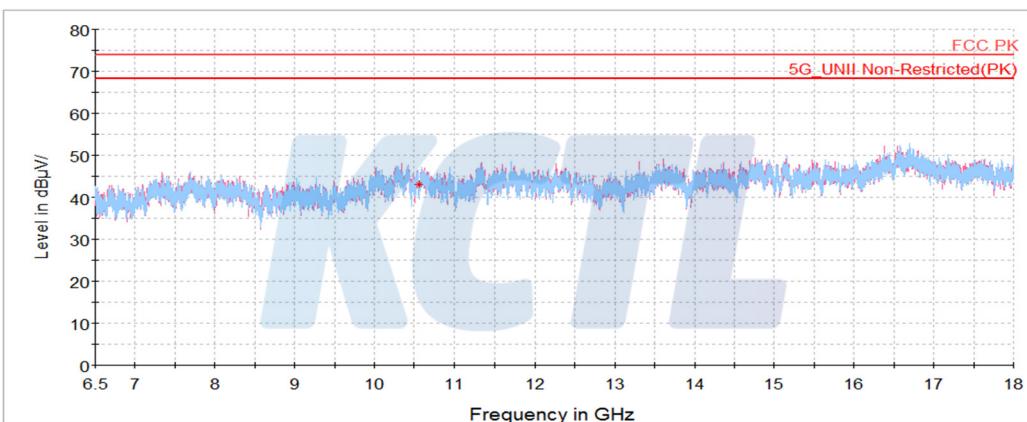
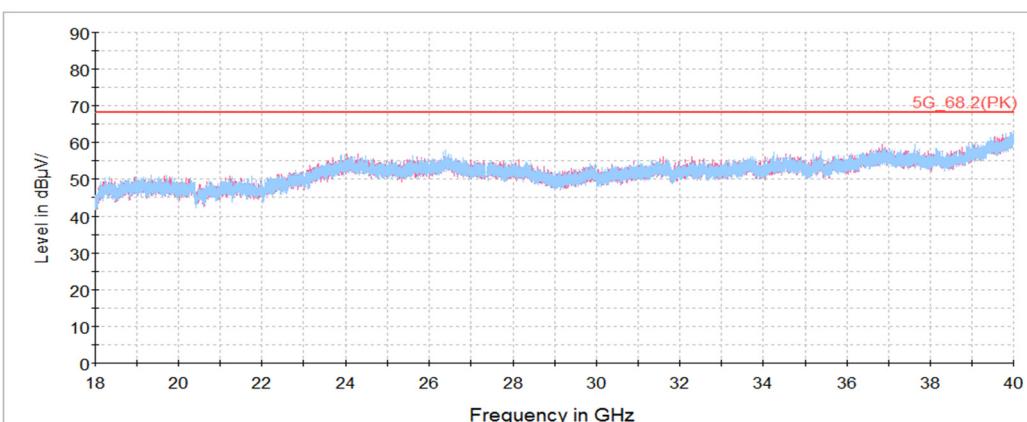
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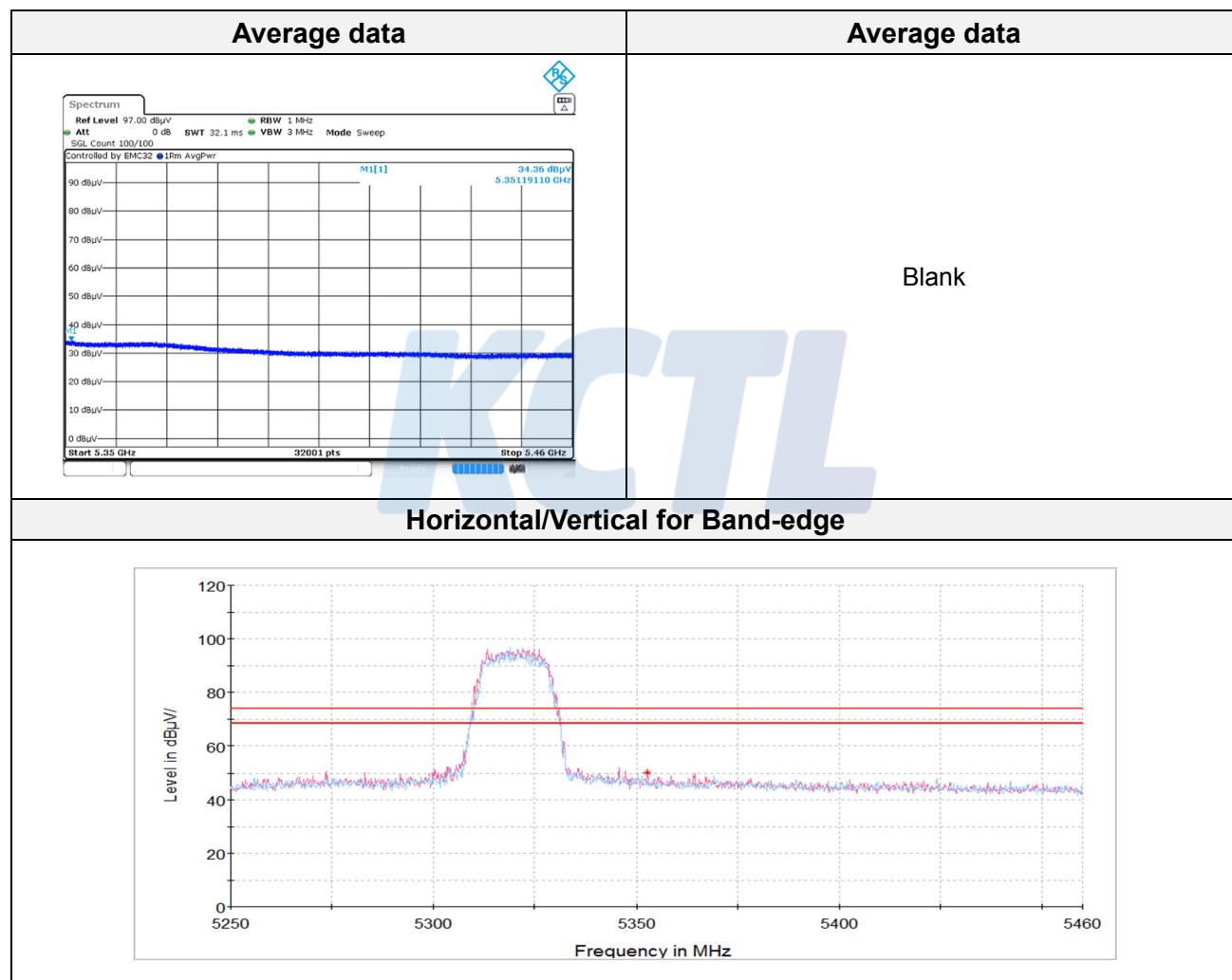
**Middle Channel (5 280 MHz)**

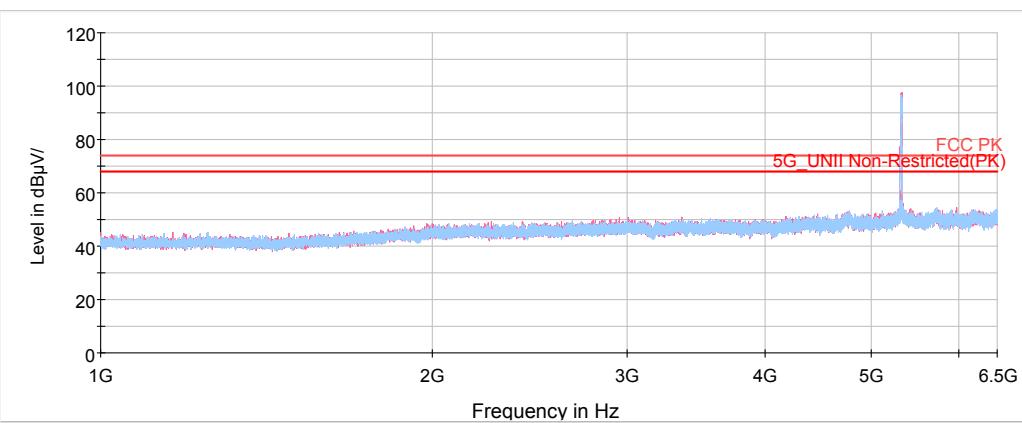
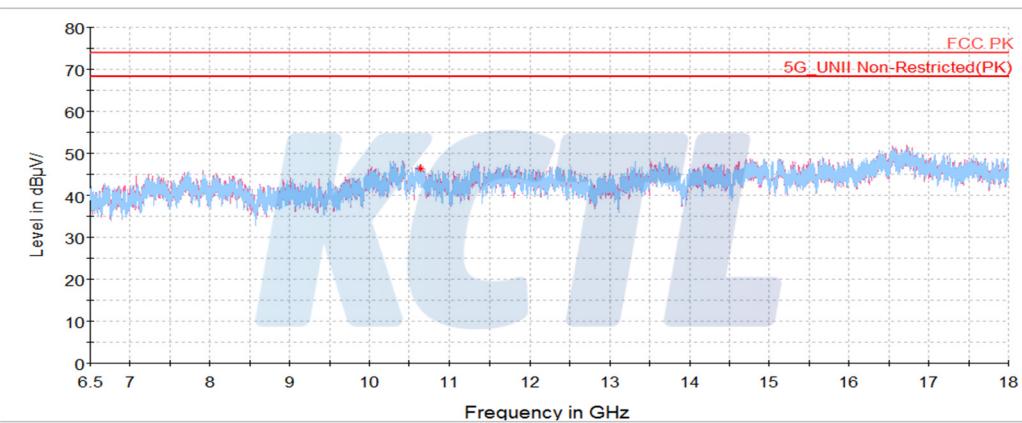
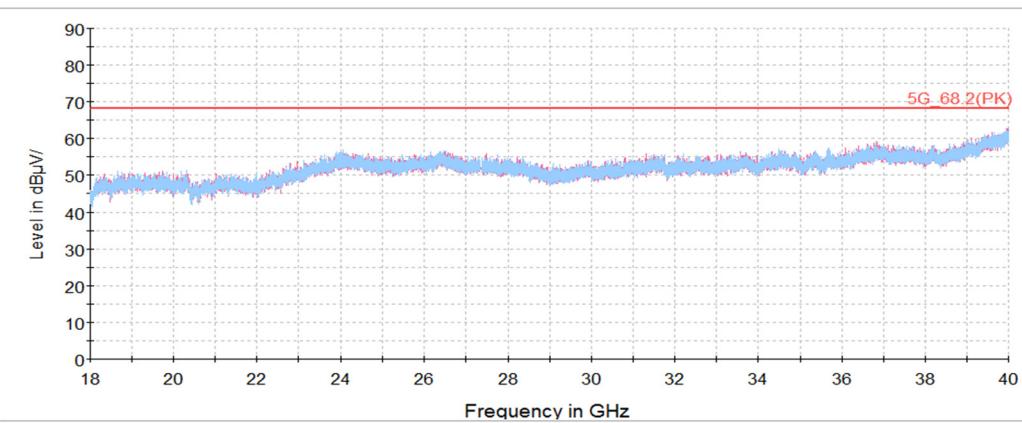
Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCCF	Result	Limit	Margin
(MHz)	(V/H)	(dB(µV))	(dB)	(dB)	(dB)	(dB(µV/m))	(dB(µV/m))	(dB)
<b>Peak data</b>								
10 560.58	V	54.06	37.44	-48.48	-	43.02	68.20	25.18
<b>Average Data</b>								
No spurious emissions were detected within 20 dB of the limit								

**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 (5 320 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>								
5 351.19 <sup>1)</sup>	V	42.61	34.32	-26.84	-	50.09	74.00	23.91
10 639.64 <sup>1)</sup>	H	57.72	37.48	-49.00	-	46.20	74.00	27.80
<b>Average Data</b>								
5 351.19 <sup>1)</sup>	V	34.36	34.32	-26.84	0.31	42.15	54.00	11.85



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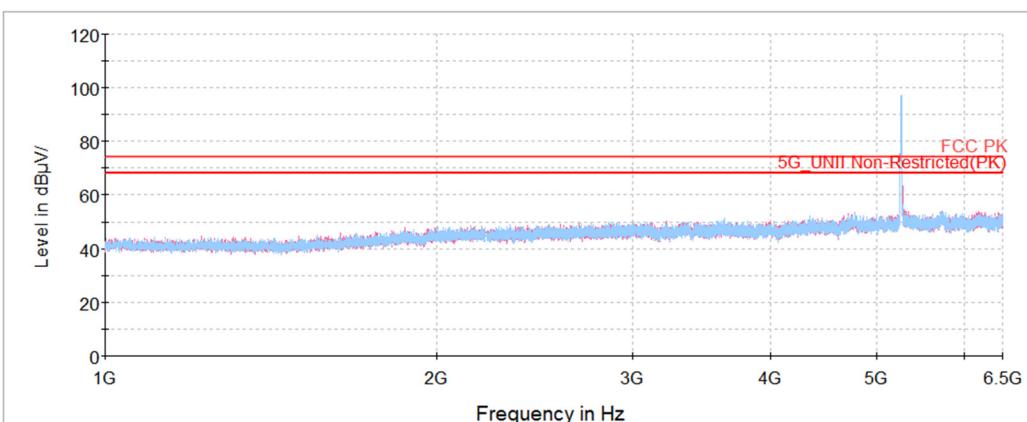
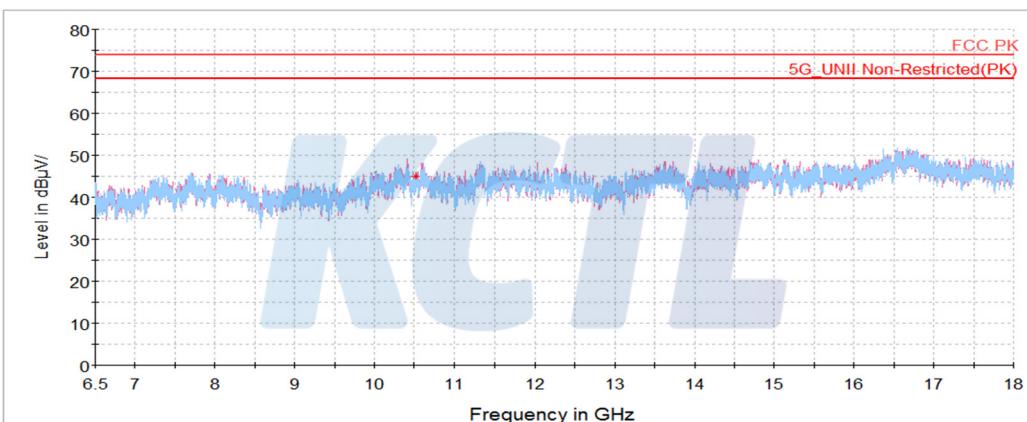
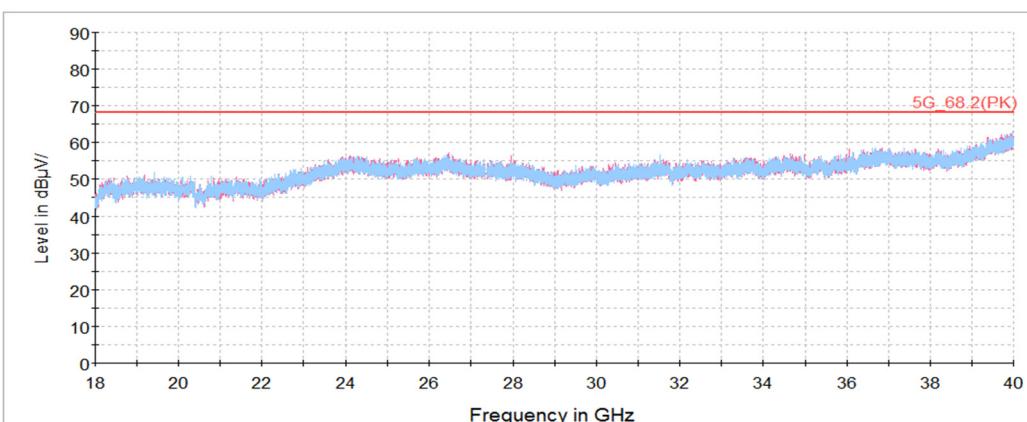
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**KCTL****802.11n HT20 UNII-2A****Lowest Channel (5 260 MHz)**

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>								
10 520.33	H	55.74	37.41	-48.21	-	44.94	68.20	23.26
<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**

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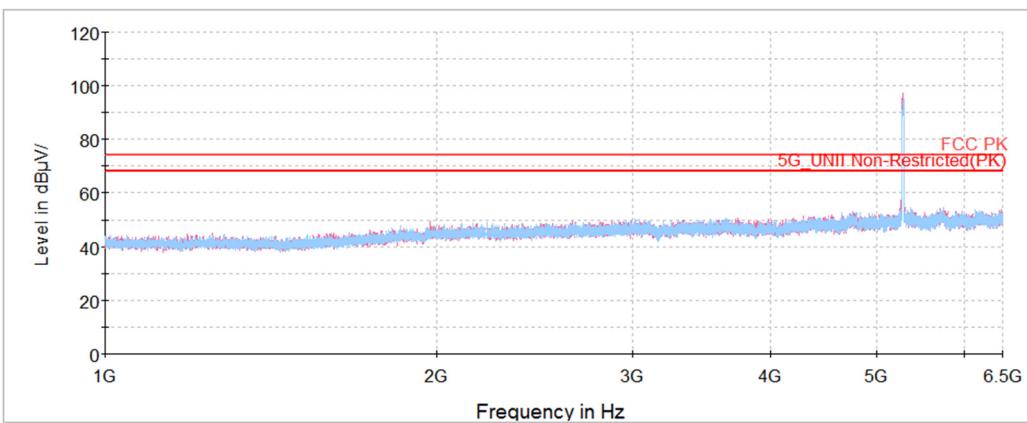
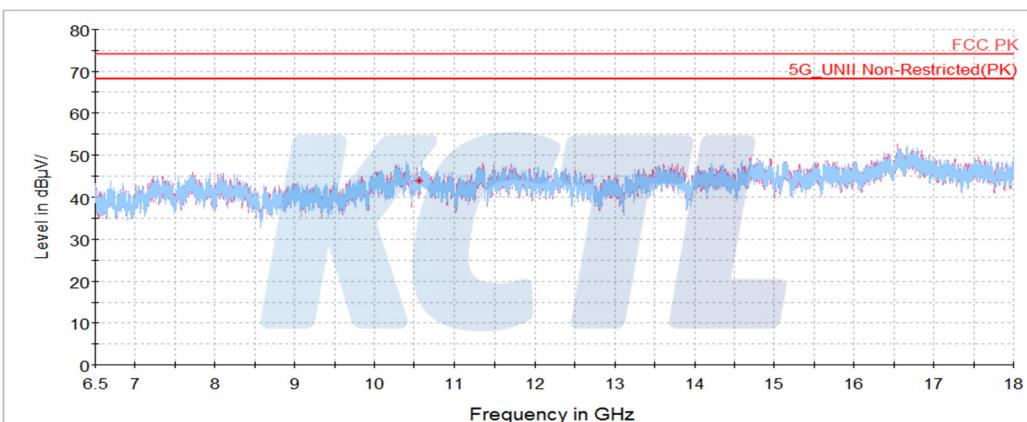
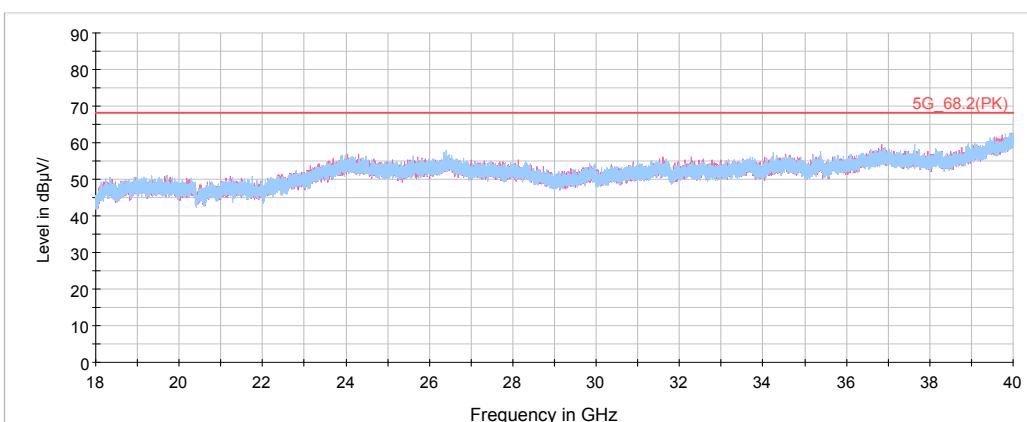
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**KCTL****Middle Channel (5 280 MHz)**

Frequency (MHz)	Pol.	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>								
10 559.50	V	54.97	37.44	-48.47		43.94	68.20	24.26
<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**

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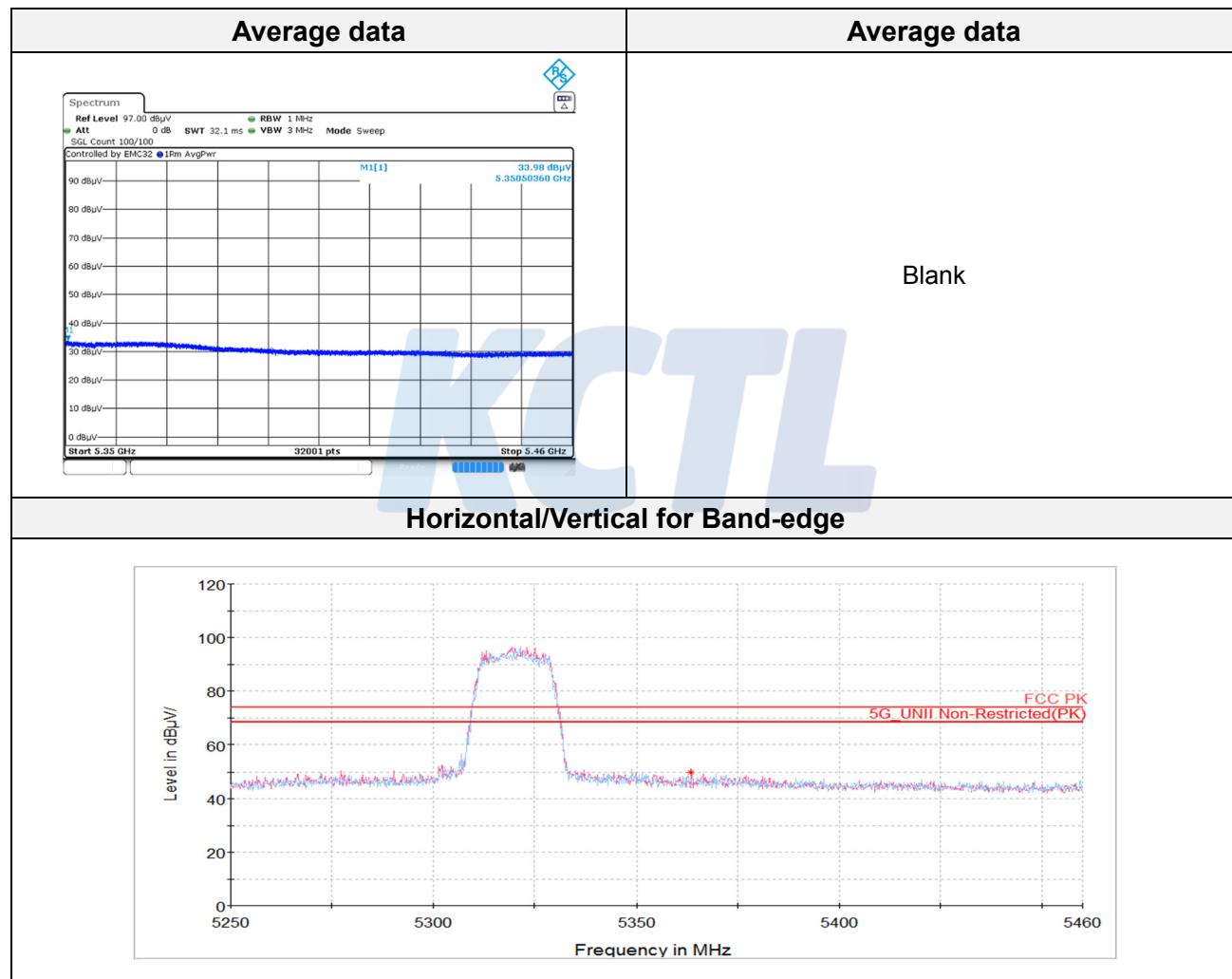
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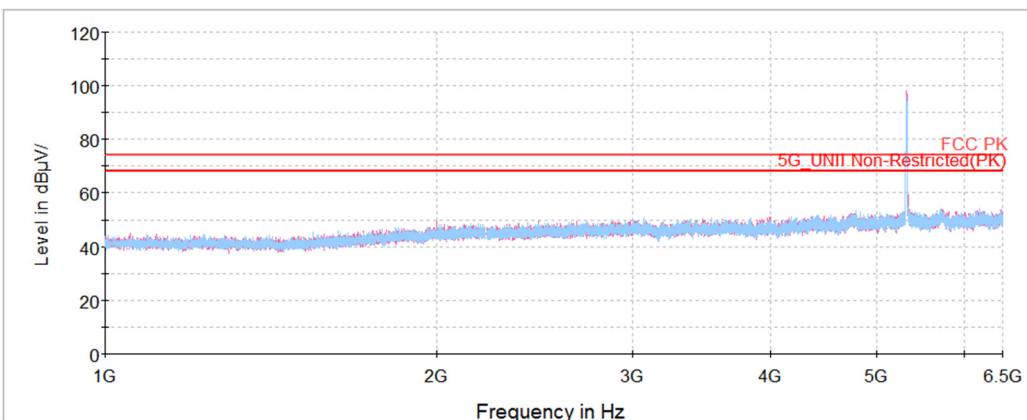
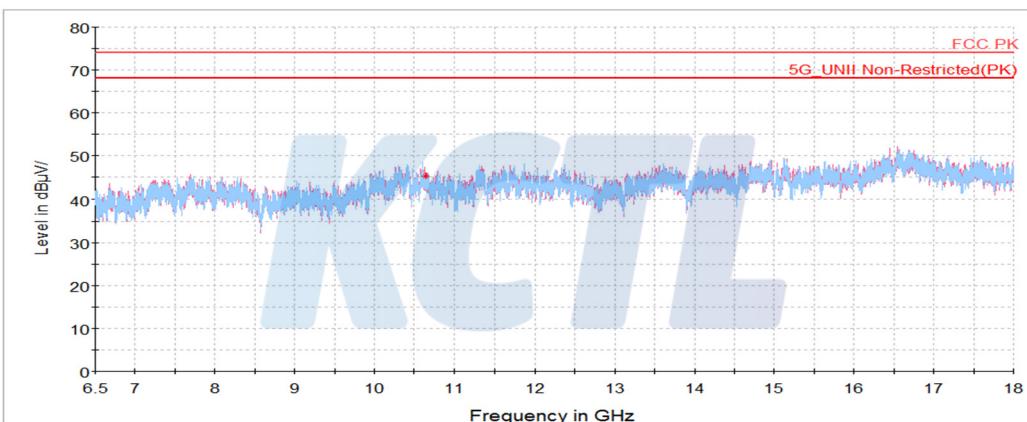
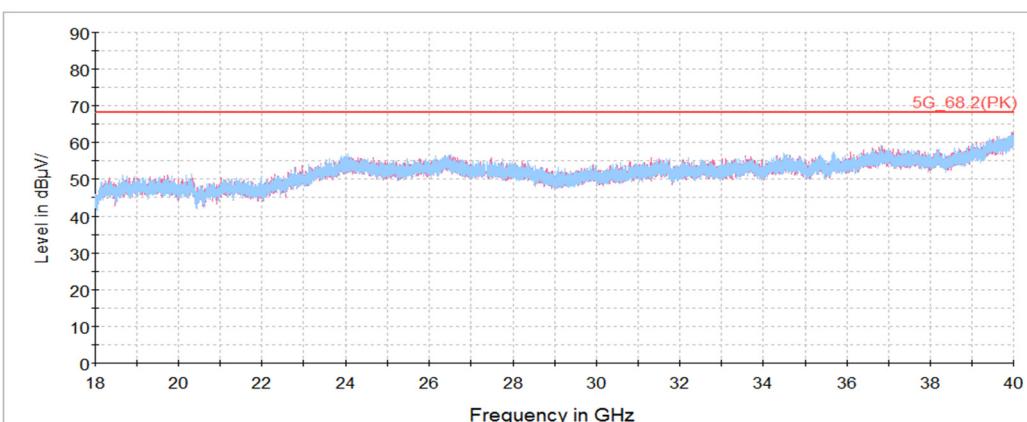
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**KCTL****Highest Channel (5 320 MHz)**

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>								
5 350.50 <sup>1)</sup>	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
<b>Average Data</b>								
5 350.50 <sup>1)</sup>	V	33.98	34.32	-26.84	0.32	41.78	54.00	12.22



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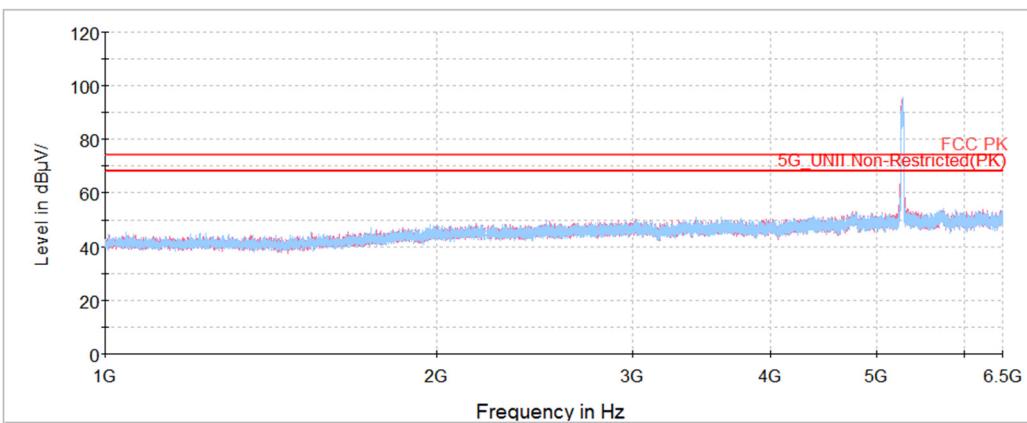
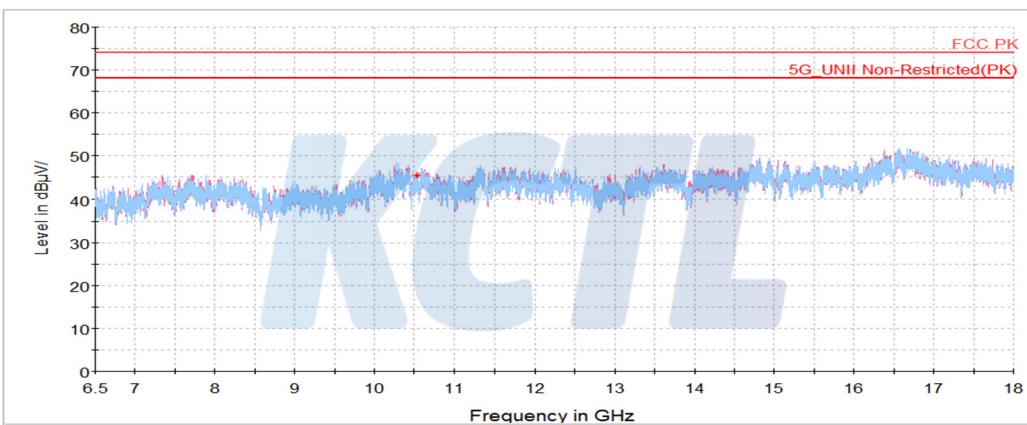
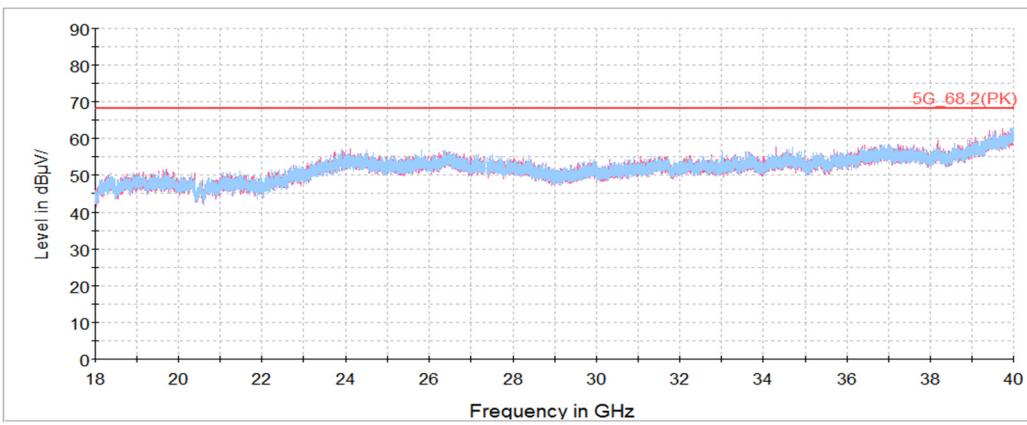
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**802.11n HT40 UNII-2A****Lowest Channel (5 270 MHz)**

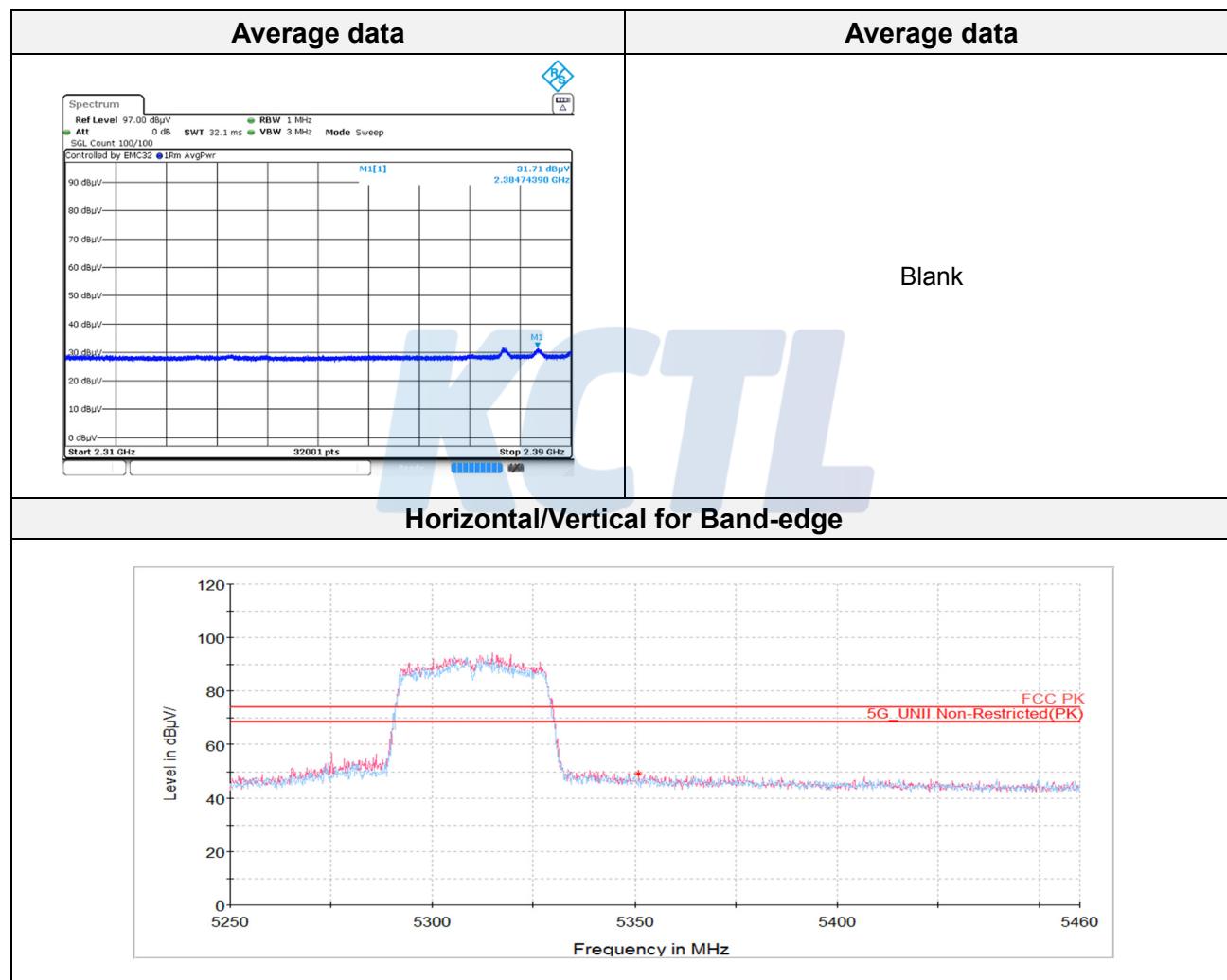
Frequency (MHz)	Pol. (V/H)	Reading (dB( $\mu$ N))	Ant. Factor (dB)	Amp.+Cable (dB)	DCCF (dB)	Result (dB( $\mu$ N/m))	Limit (dB( $\mu$ N/m))	Margin (dB)
<b>Peak data</b>								
10 540.09	V	56.40	37.42	-48.34	-	45.48	68.20	22.72
<b>Average Data</b>								

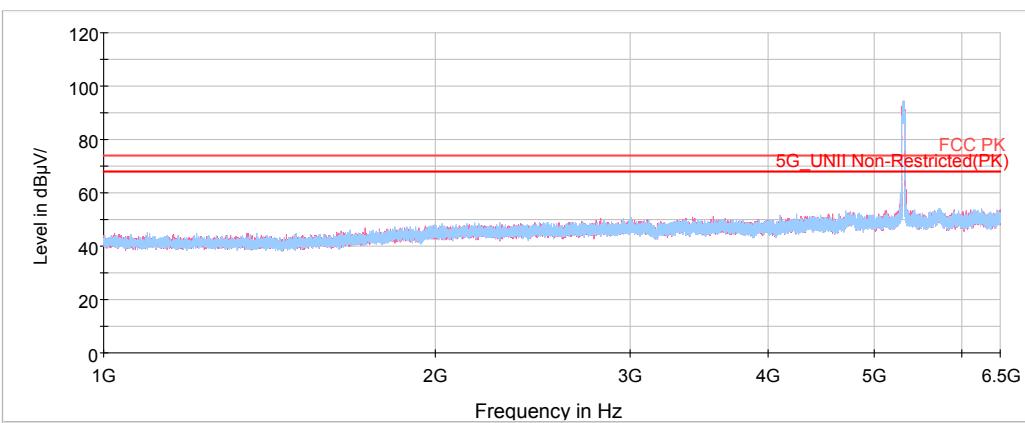
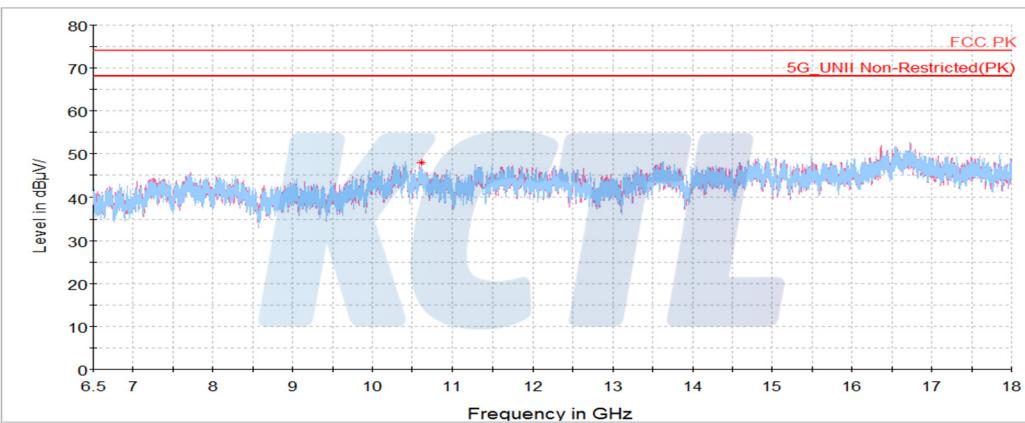
No spurious emissions were detected within 20 dB of the limit.

**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 (5 310 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>								
5 366.88 <sup>1)</sup>	V	41.63	34.34	-26.80	-	49.17	74.00	24.83
10 619.88 <sup>1)</sup>	H	59.32	37.47	-48.87	-	47.92	74.00	26.08
<b>Average Data</b>								
5 366.88 <sup>1)</sup>	V	33.58	34.34	-26.80	0.65	41.77	54.00	12.23



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