

**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-SRF0165-C

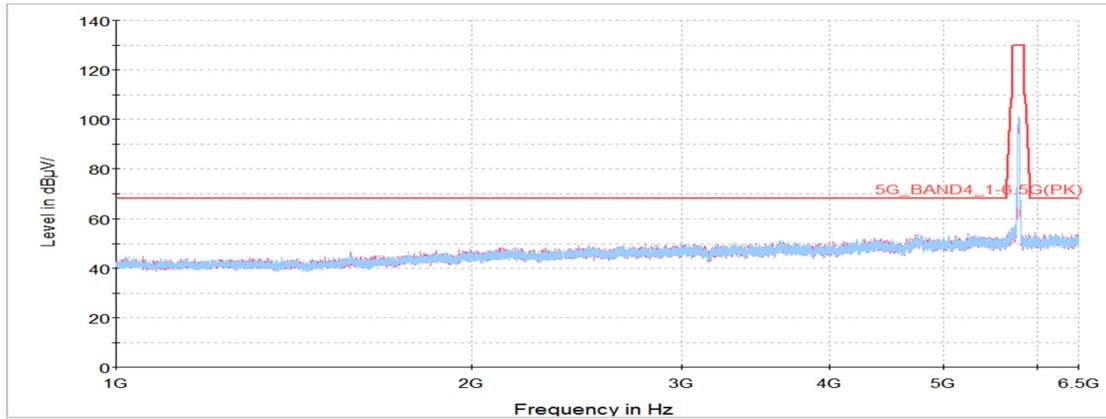
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**Middle Channel (5 785 MHz)**

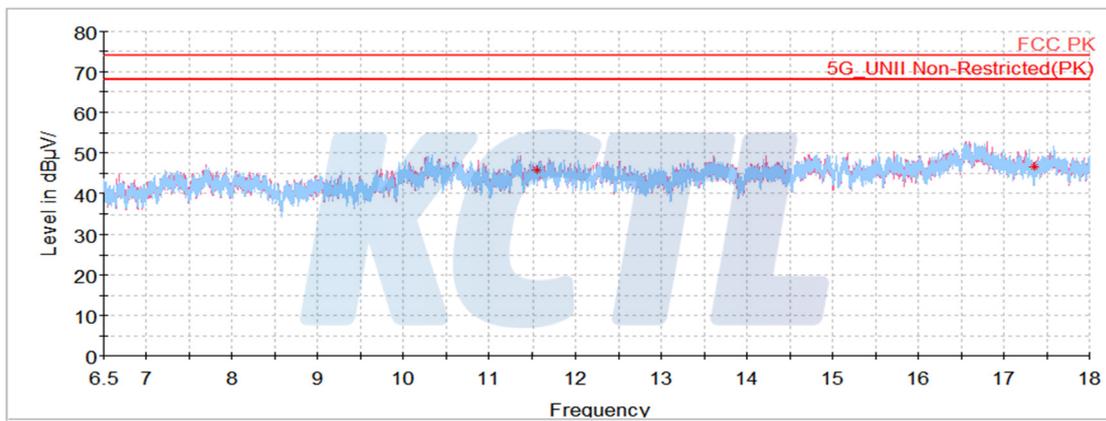
Frequency (MHz)	Pol. (V/H)	Reading (dB( $\mu$ V))	Ant. Factor (dB)	Amp.+Cable (dB)	DCCF (dB)	Result (dB( $\mu$ V/m))	Limit (dB( $\mu$ V/m))	Margin (dB)
<b>Peak data</b>								
11 569.70 <sup>1)</sup>	V	55.83	38.36	-48.40	-	45.79	74.00	28.21
17 354.20	V	52.17	41.27	-46.92	-	46.52	68.20	21.68
<b>Average Data</b>								
No spurious emissions were detected within 20 dB of the limit.								



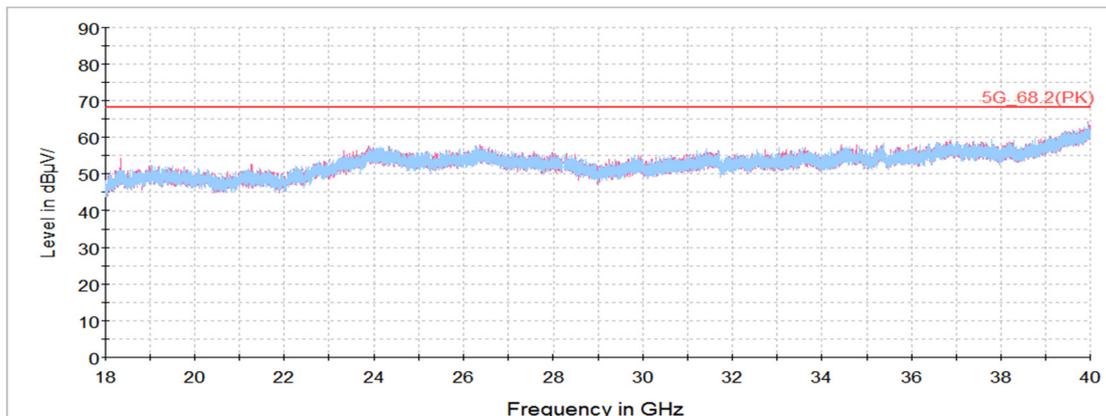
**Horizontal/Vertical for 1 GHz ~ 6.5 GHz**



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



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



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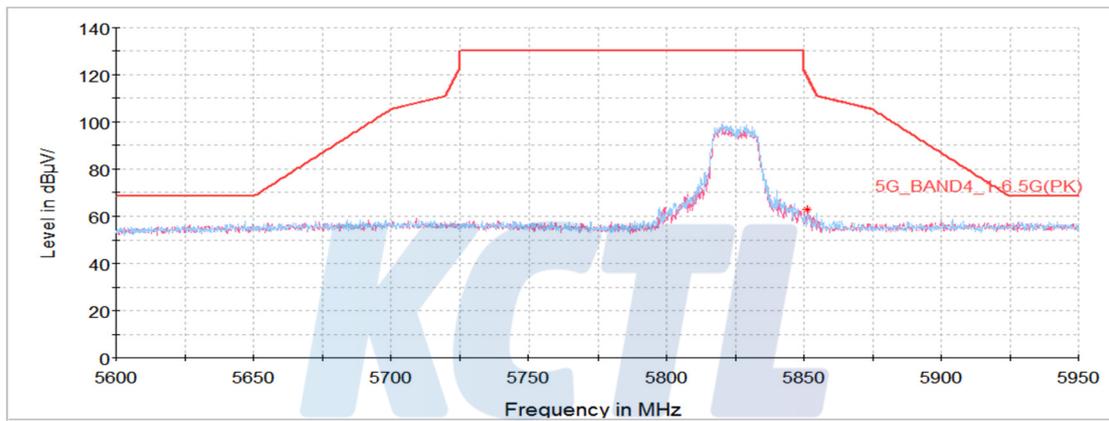
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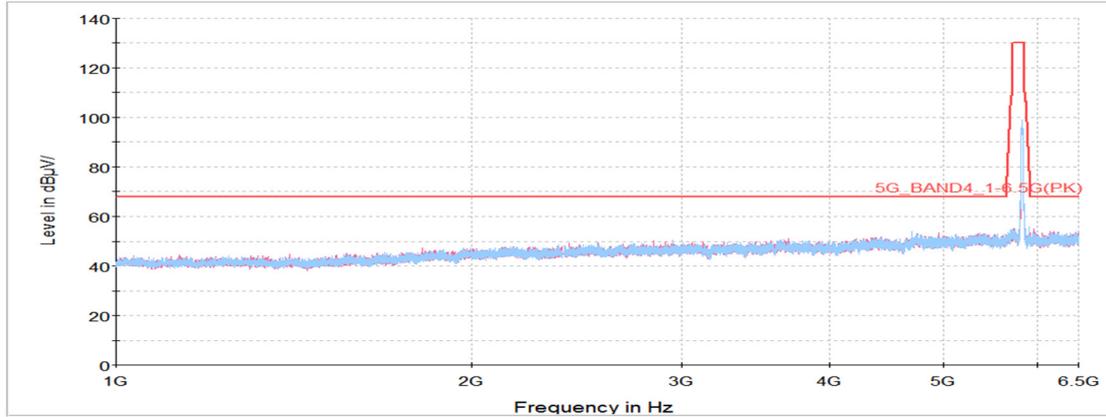
## Highest Channel (5 825 MHz)

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>								
5 851.34	V	54.18	34.92	-26.67	-	62.43	119.14	56.71
11 650.56 <sup>1)</sup>	V	56.40	38.42	-48.74	-	46.08	74.00	27.92
17 475.31	V	52.71	41.30	-47.21	-	46.80	68.20	21.40
<b>Average Data</b>								
No spurious emissions were detected within 20 dB of the limit.								

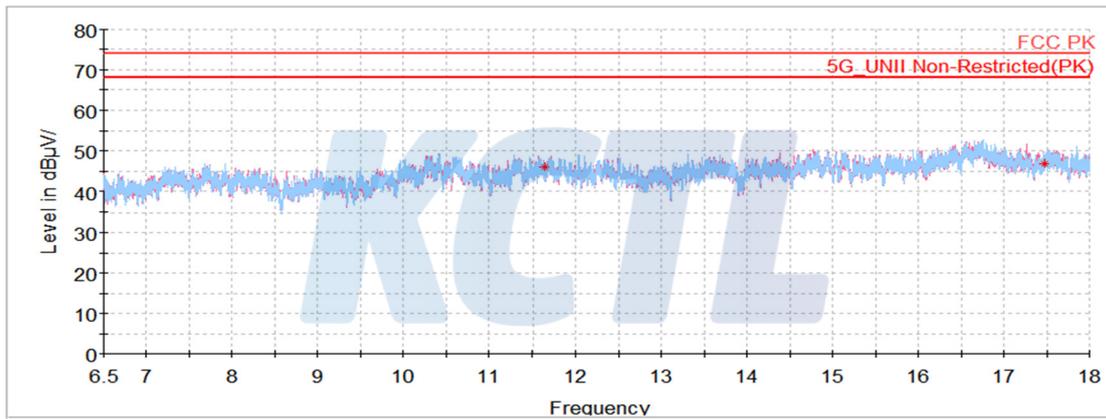
## Horizontal/Vertical for Band-edge



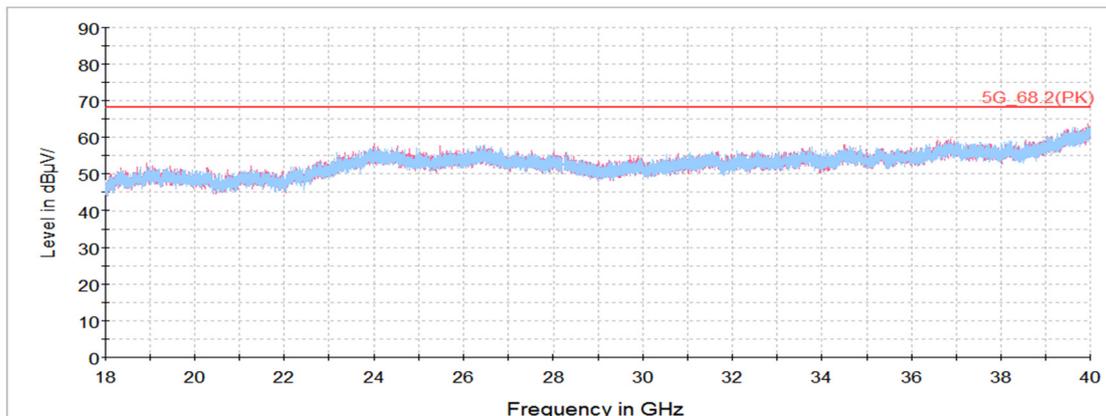
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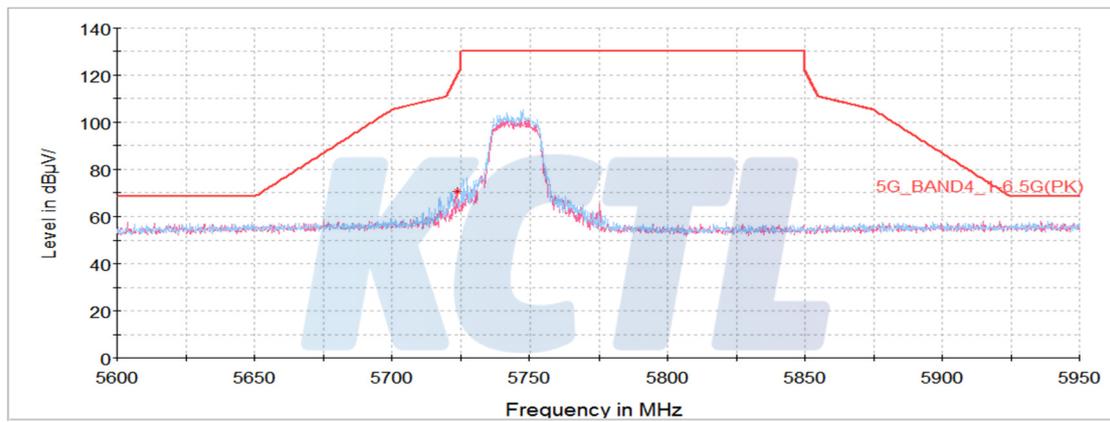
# KCTL

## 802.11n HT20 UNII-3

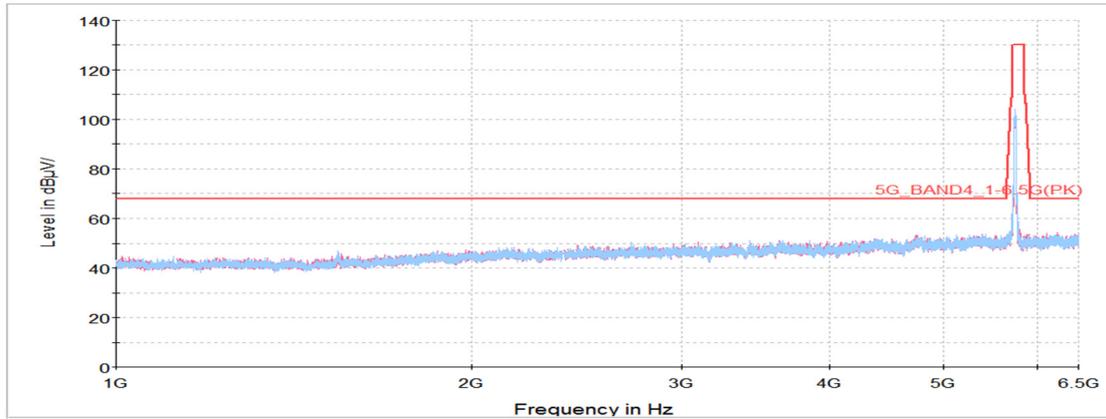
### Lowest Channel (5 745 MHz)

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>								
5 723.98	V	61.72	34.77	-25.90	-	70.59	119.88	49.29
11 489.92 <sup>1)</sup>	V	57.19	38.29	-48.18	-	47.30	74.00	26.70
17 235.25	V	53.09	41.25	-46.64	-	47.70	68.20	20.50
<b>Average Data</b>								
No spurious emissions were detected within 20 dB of the limit.								

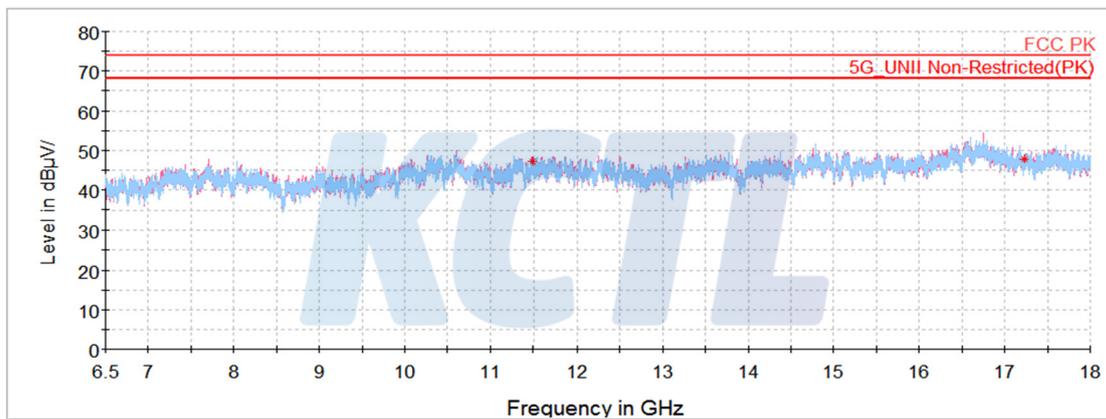
### Horizontal/Vertical for Band-edge



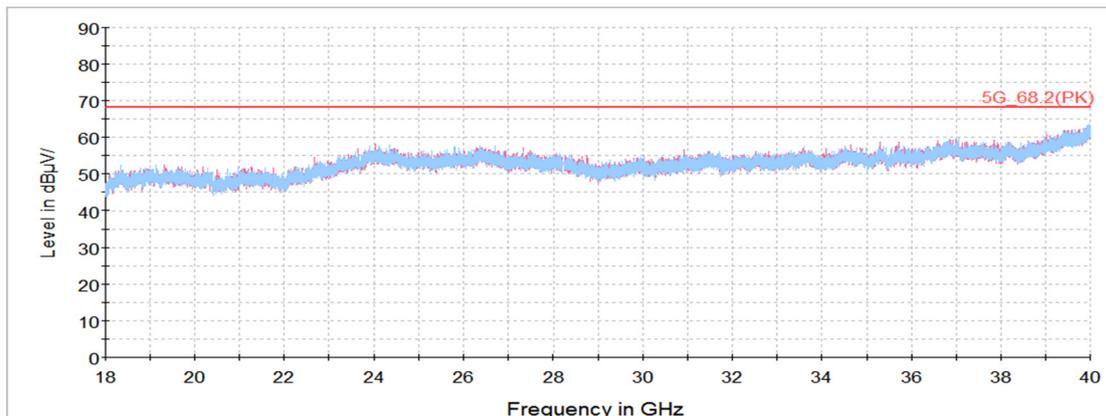
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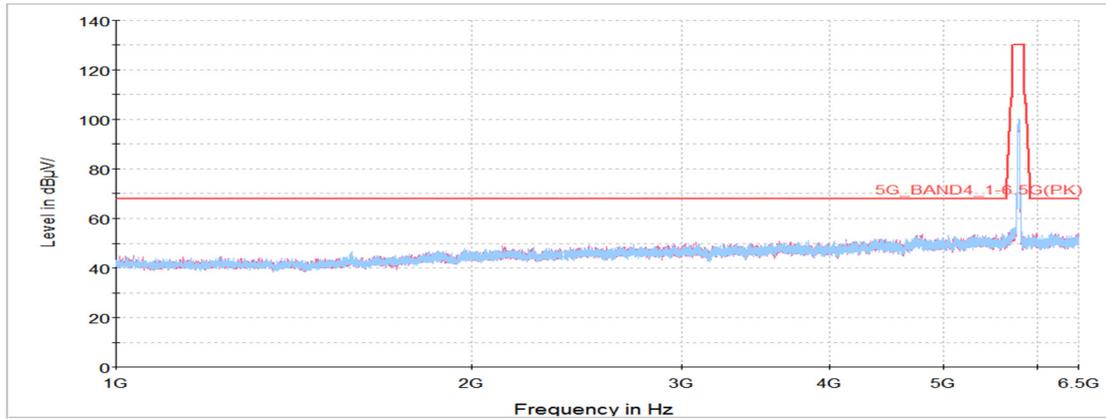
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**KCTL****Middle Channel (5 785 MHz)**

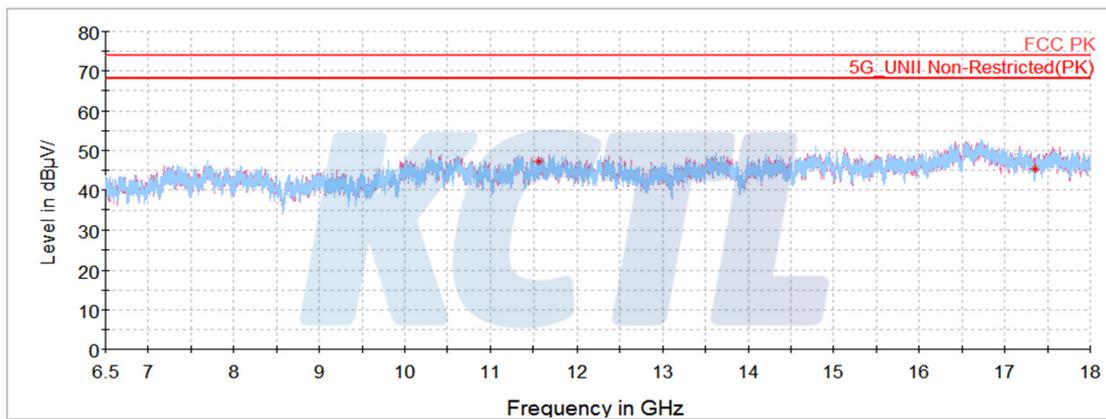
Frequency (MHz)	Pol. (V/H)	Reading (dB( $\mu$ V))	Ant. Factor (dB)	Amp.+Cable (dB)	DCCF (dB)	Result (dB( $\mu$ V/m))	Limit (dB( $\mu$ V/m))	Margin (dB)
<b>Peak data</b>								
11 570.42 <sup>1)</sup>	V	57.17	38.36	-48.41	-	47.12	74.00	26.88
17 355.64	H	50.94	41.27	-46.93	-	45.28	68.20	22.92
<b>Average Data</b>								
No spurious emissions were detected within 20 dB of the limit.								

**KCTL**

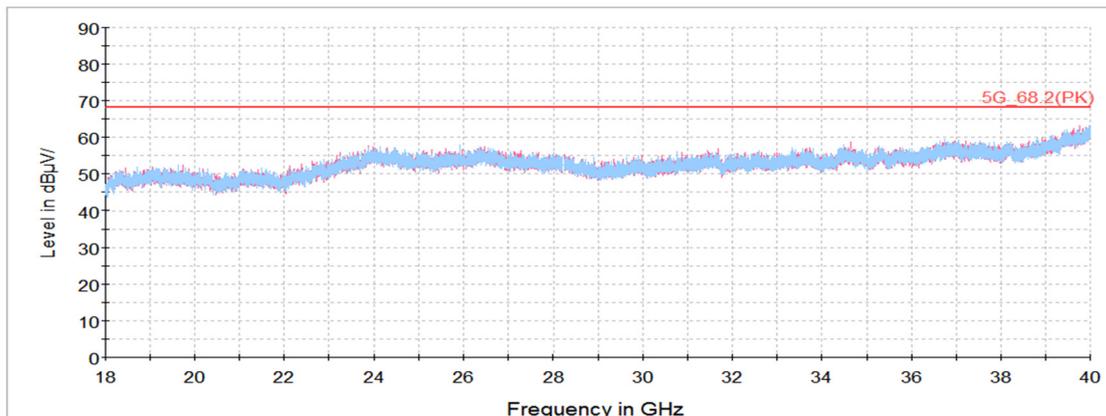
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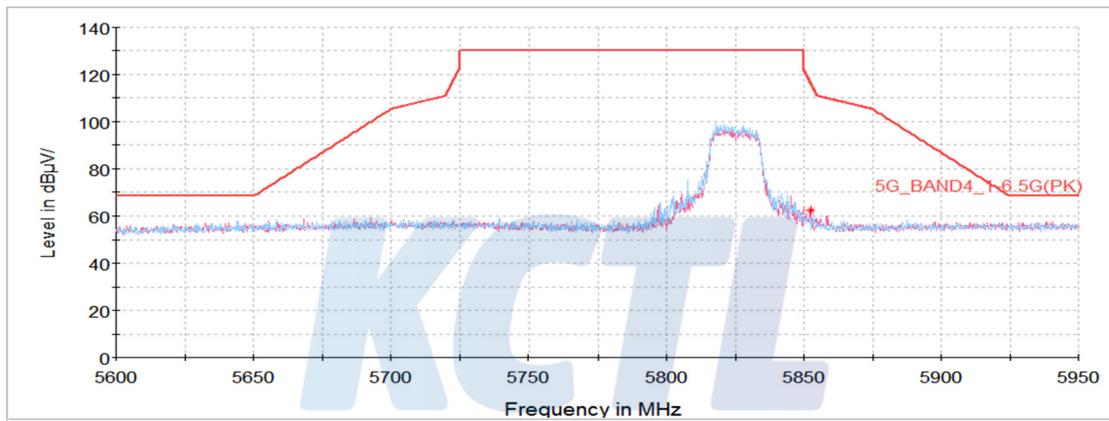
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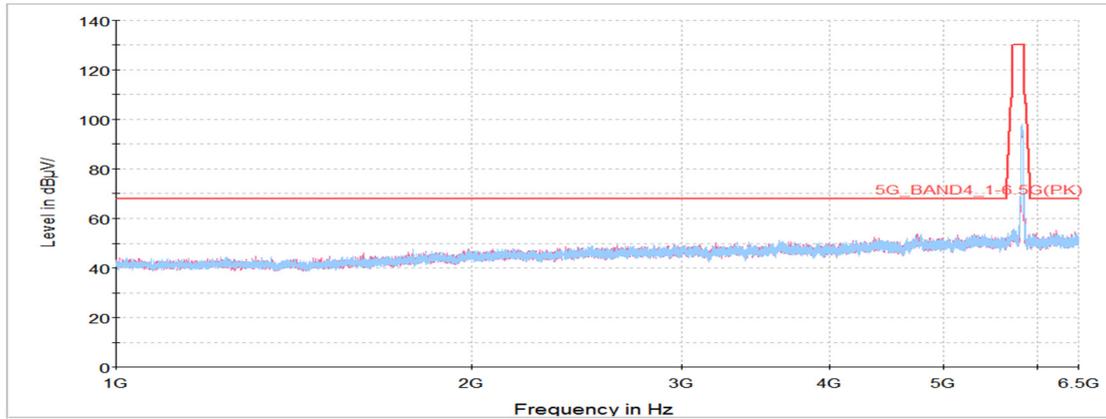
## Highest Channel (5 825 MHz)

Frequency (MHz)	Pol. (V/H)	Reading (dB( $\mu$ V))	Amp. + Cable (dB)	Antenna Factor (dB)	DCCF (dB)	Result (dB( $\mu$ V/m))	Limit (dB( $\mu$ V/m))	Margin (dB)
<b>Peak data</b>								
5 852.38	V	53.77	34.92	-26.67	-	62.02	116.79	54.76
11 650.56 <sup>1)</sup>	H	55.90	38.42	-48.74	-	45.58	74.00	28.42
17 475.67	V	52.85	41.30	-47.21	-	46.94	68.20	21.26
<b>Average Data</b>								
No spurious emissions were detected within 20 dB of the limit.								

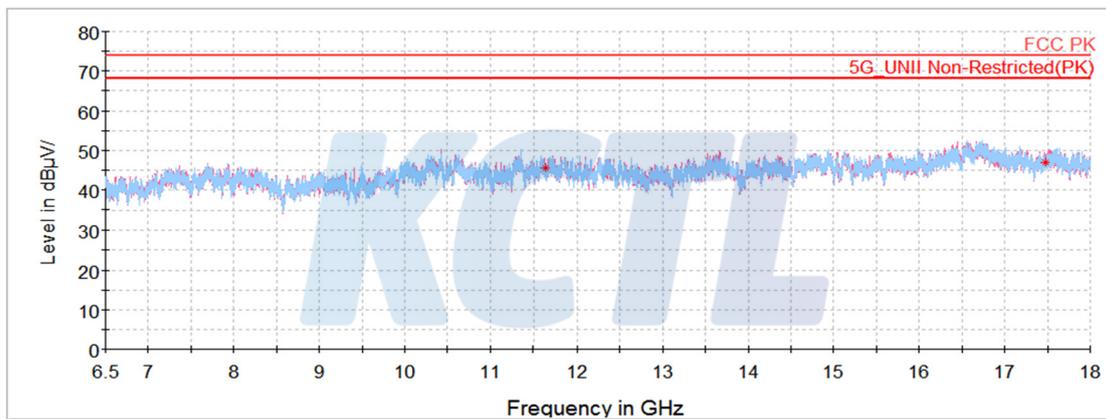
## Horizontal/Vertical for Band-edge



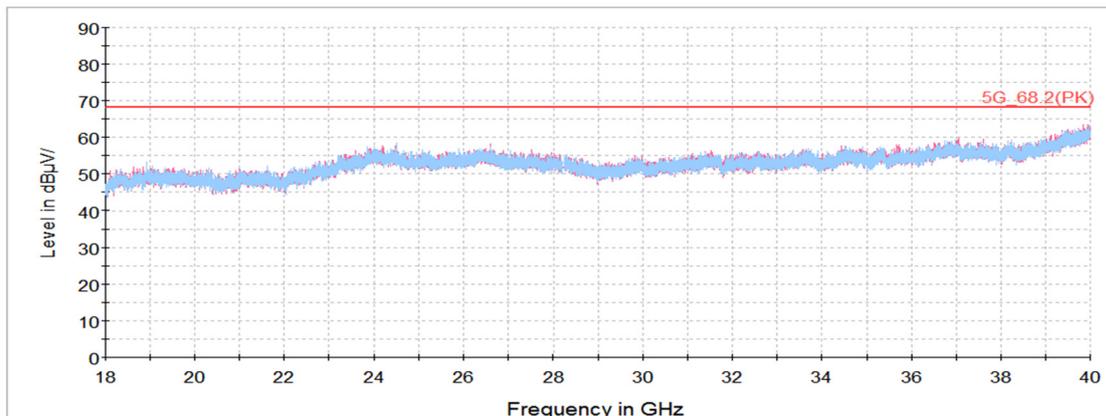
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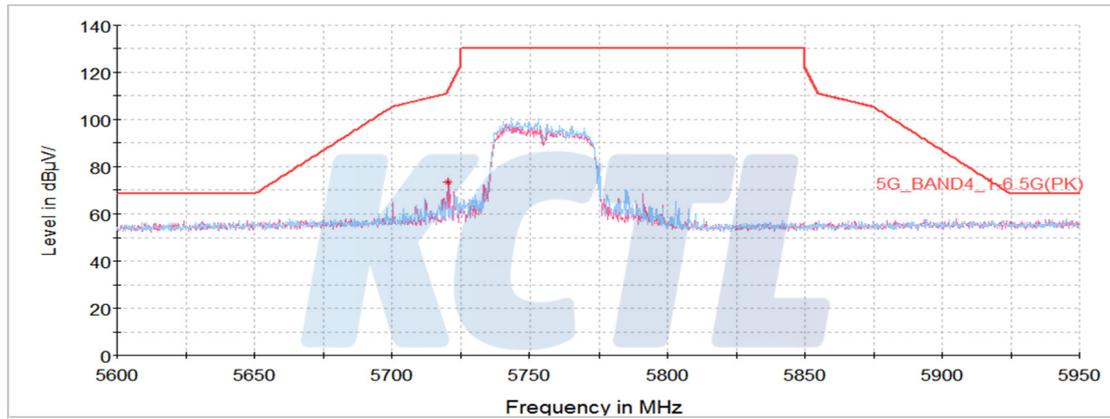


## 802.11n HT40 UNII-3

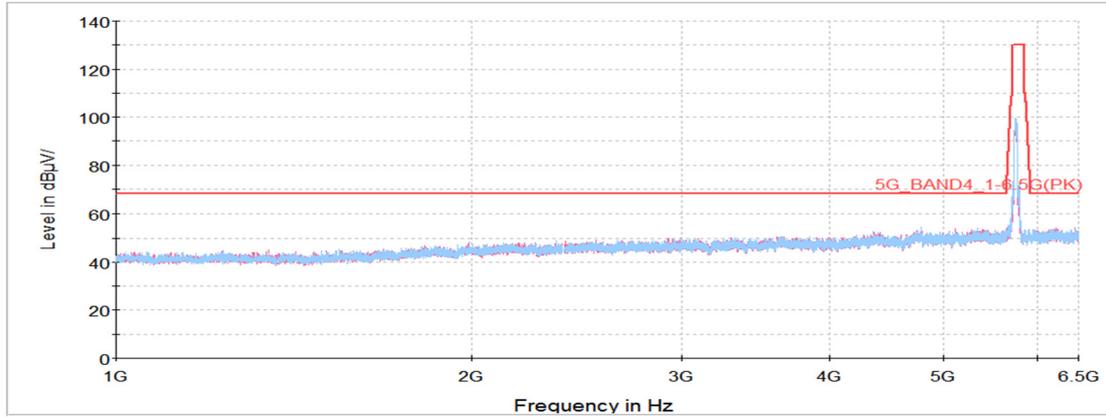
### Lowest Channel (5 755 MHz)

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>								
5 720.72	V	64.41	34.76	-25.86	-	73.31	112.44	39.13
11 510.05 <sup>1)</sup>	V	54.89	38.31	-48.16	-	45.04	74.00	28.96
17 265.44	V	54.16	41.25	-46.71	-	48.70	68.20	19.50
<b>Average Data</b>								
No spurious emissions were detected within 20 dB of the limit.								

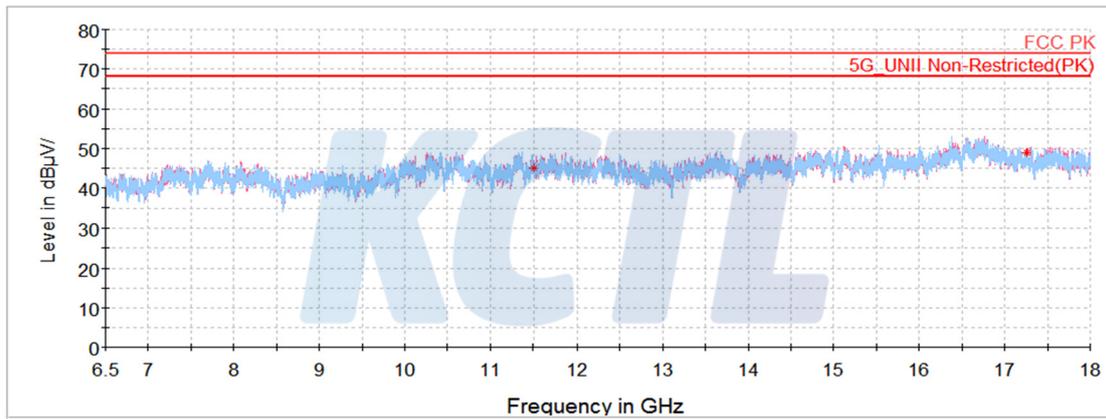
### Horizontal/Vertical for Band-edge



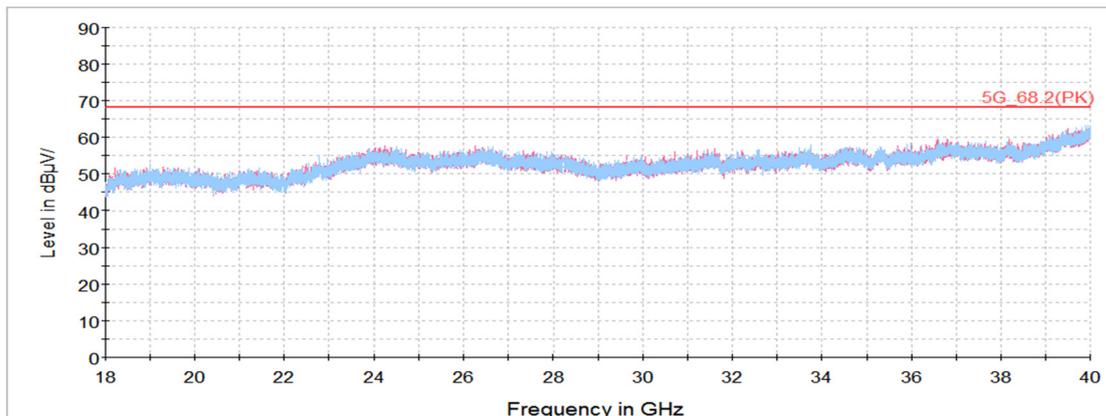
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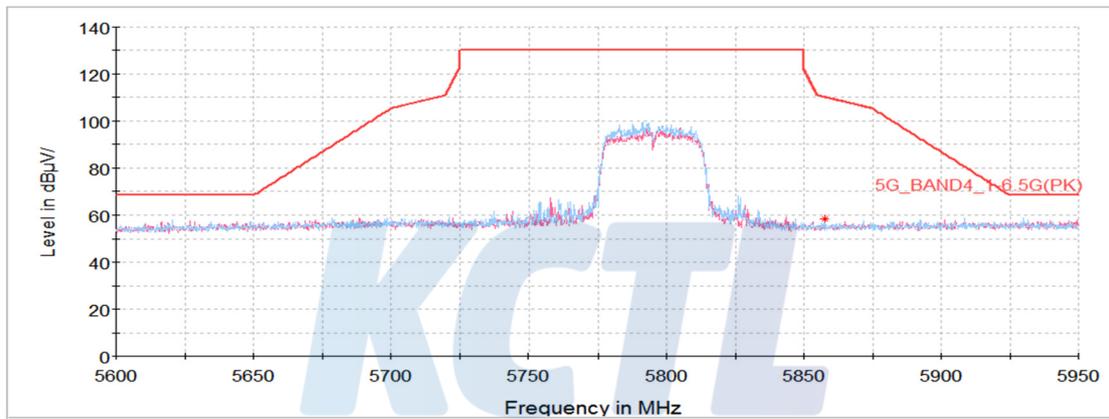
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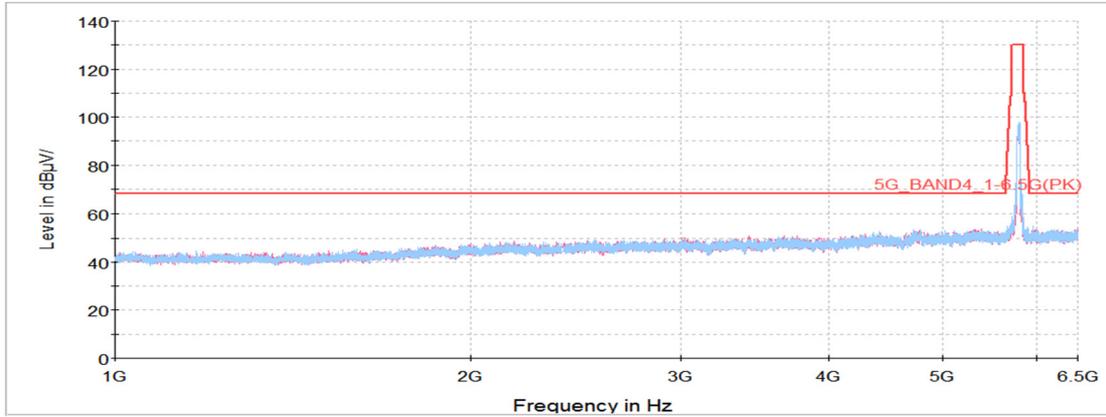
## Highest Channel (5 795 MHz)

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>								
5 857.53	H	50.24	34.93	-26.63	-	58.54	110.09	51.55
11 590.19 <sup>1)</sup>	H	58.18	38.37	-48.49	-	48.06	74.00	25.94
17 385.11	H	53.96	41.28	-47.00	-	48.24	68.20	19.96
<b>Average Data</b>								
No spurious emissions were detected within 20 dB of the limit.								

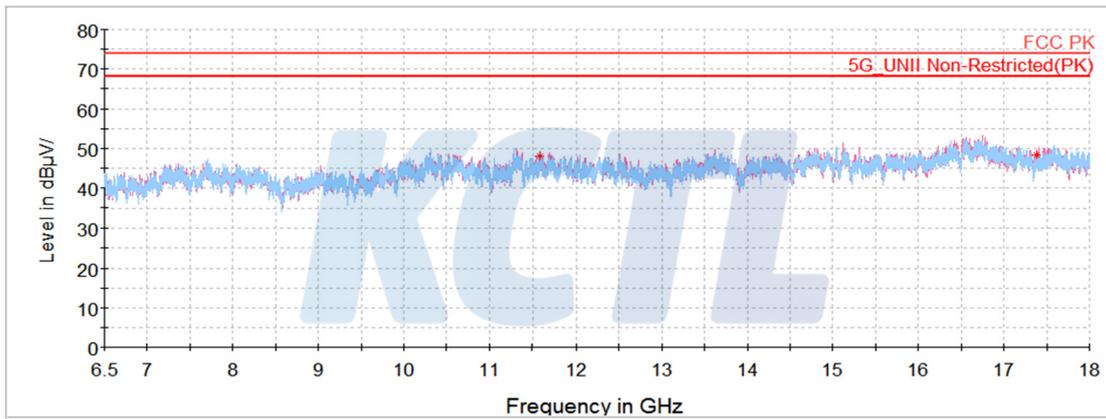
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