

# 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)

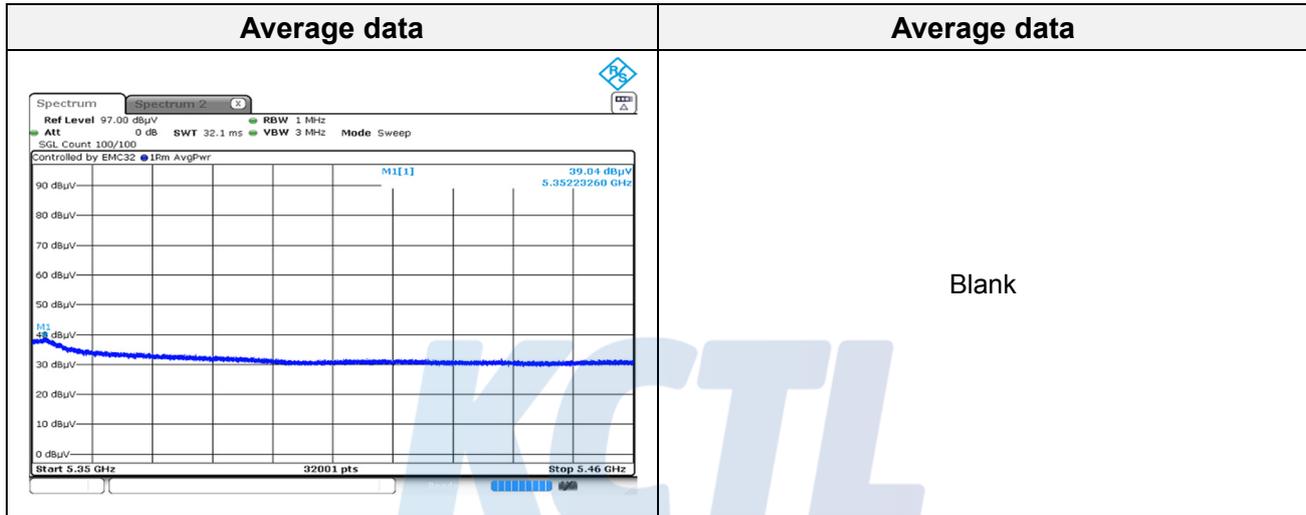
Report No.:  
 KR19-SRF0117-B

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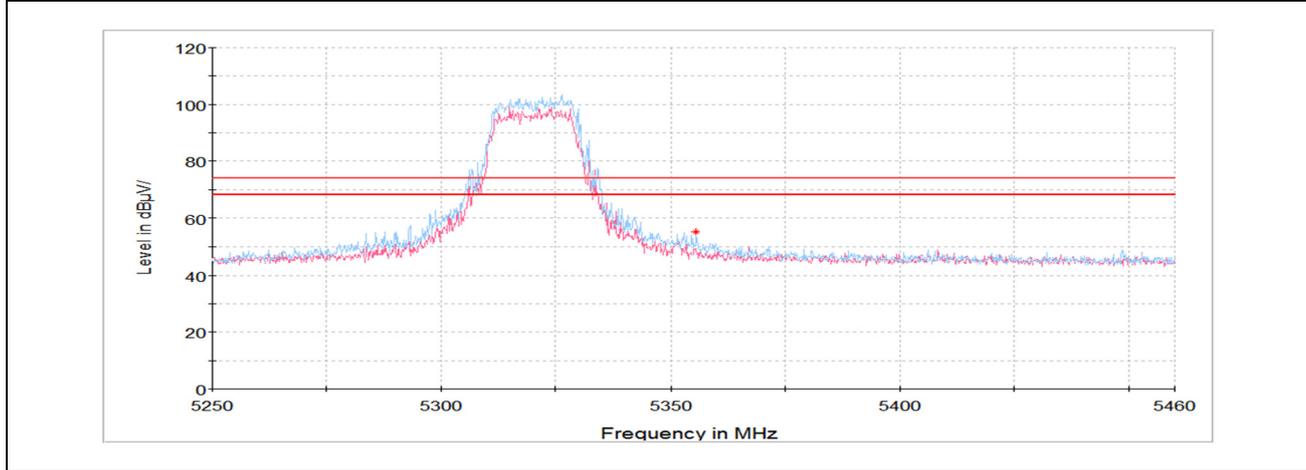


## Highest Channel (5 320 MHz)

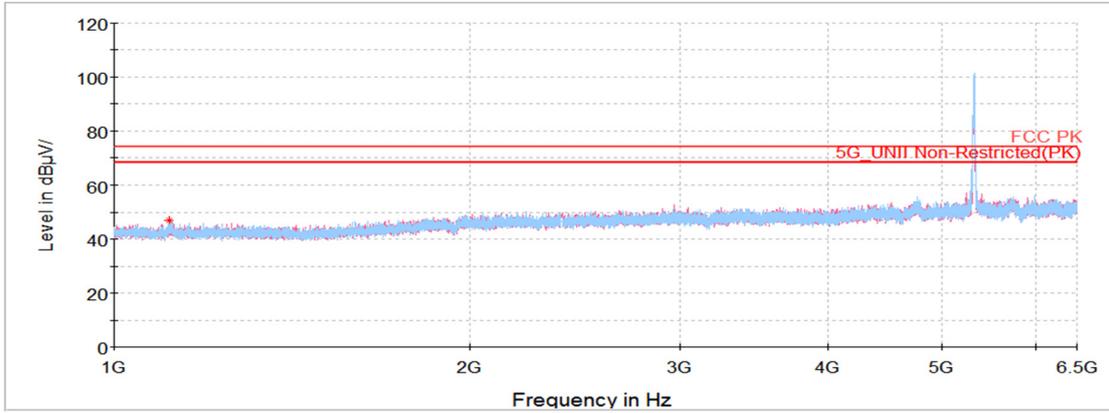
Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCCF	Result	Limit	Margin
(MHz)	(V/H)	(dB(μV))	(dB)	(dB)	(dB)	(dB(μV/m))	(dB(μV/m))	(dB)
<b>Peak data</b>								
5 352.23 <sup>1)</sup>	H	47.45	34.32	-26.84	-	54.93	74.00	19.07
10 641.44 <sup>1)</sup>	V	57.27	37.48	-49.01	-	45.74	74.00	28.26
<b>Average Data</b>								
5 352.23 <sup>1)</sup>	H	39.04	34.32	-26.84	0.45	46.97	54.00	7.03



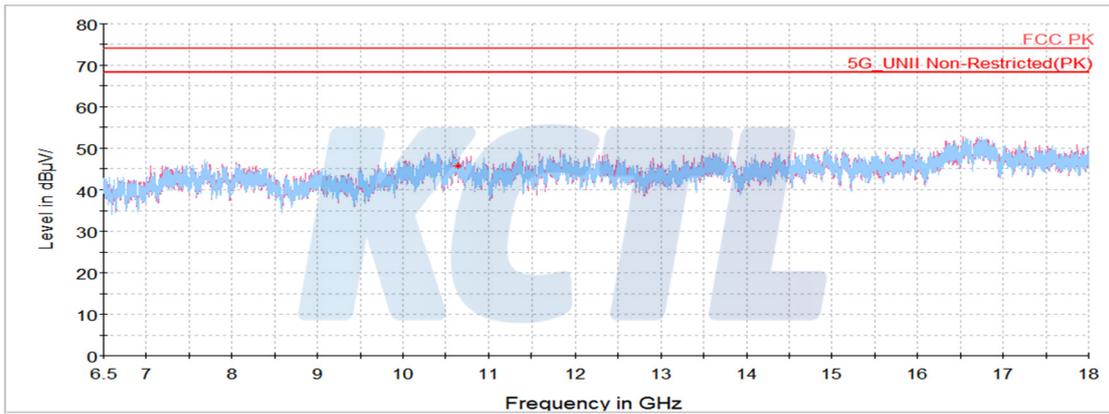
## Horizontal/Vertical for Band-edge



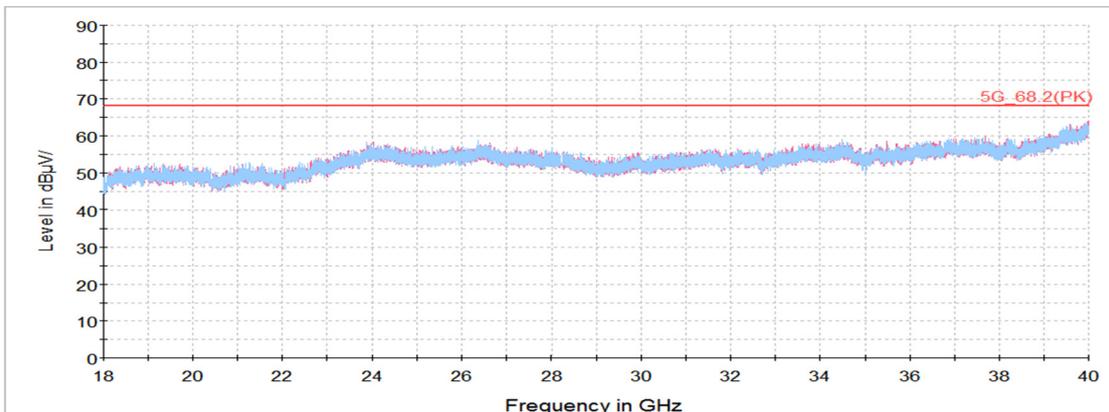
**Horizontal/Vertical for 1 GHz ~ 6.5 GHz**



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



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



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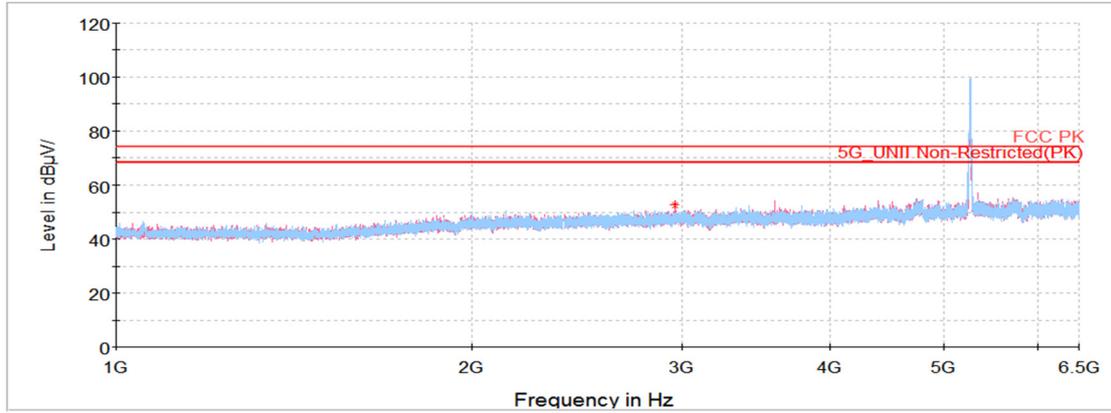
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**802.11n HT40 UNII-2A****Lowest Channel (5 270 MHz)**

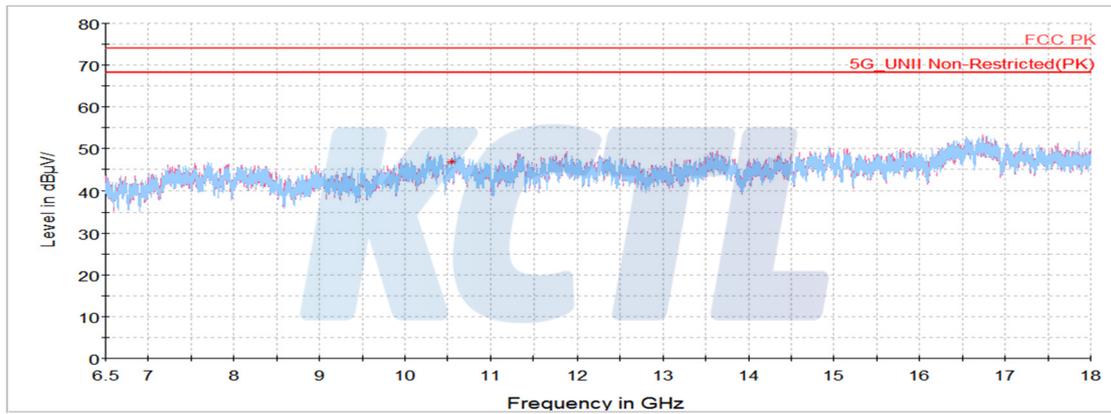
Frequency (MHz)	Pol. (V/H)	Reading (dB( $\mu$ V))	Ant. Factor (dB)	Amp.+Cable (dB)	DCCF (dB)	Result (dB( $\mu$ V/m))	Limit (dB( $\mu$ V/m))	Margin (dB)
<b>Peak data</b>								
10 544.05	V	57.91	37.43	-48.37	-	46.97	68.20	21.23
<b>Average Data</b>								
No spurious emissions were detected within 20 dB of the limit.								



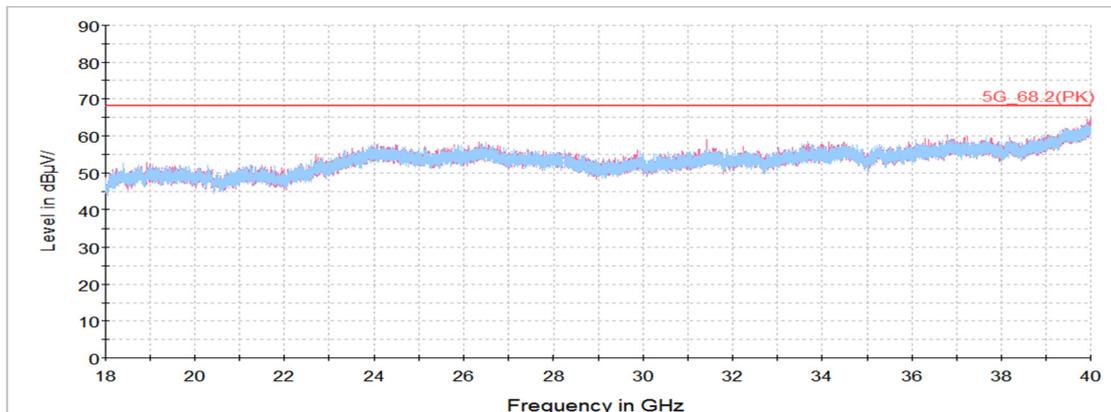
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**Horizontal/Vertical for 6.5 GHz ~ 18 GHz**



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



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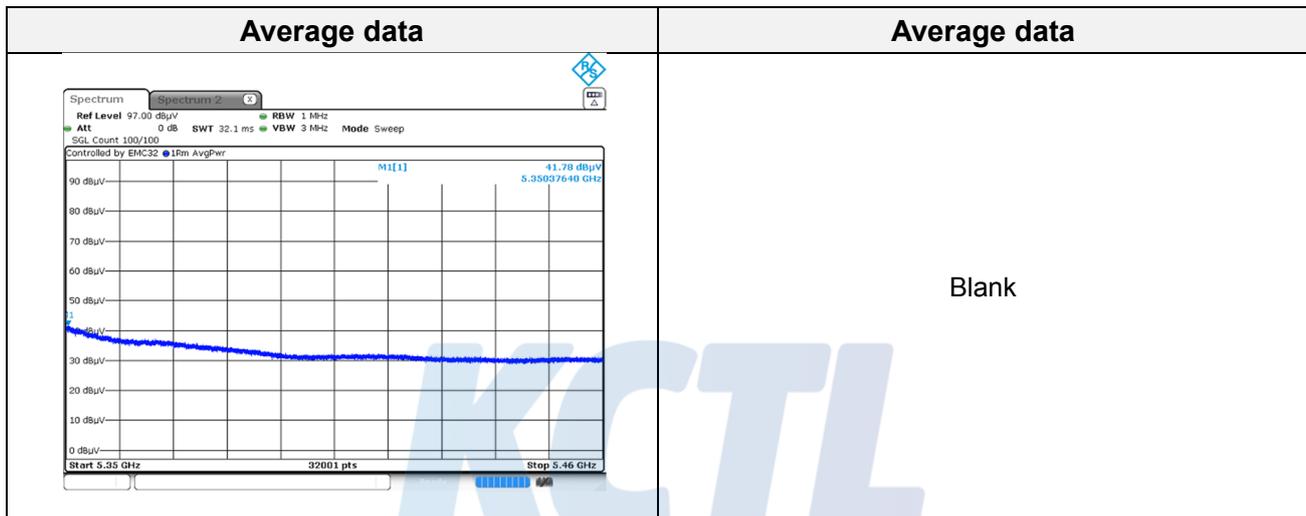
Report No.:  
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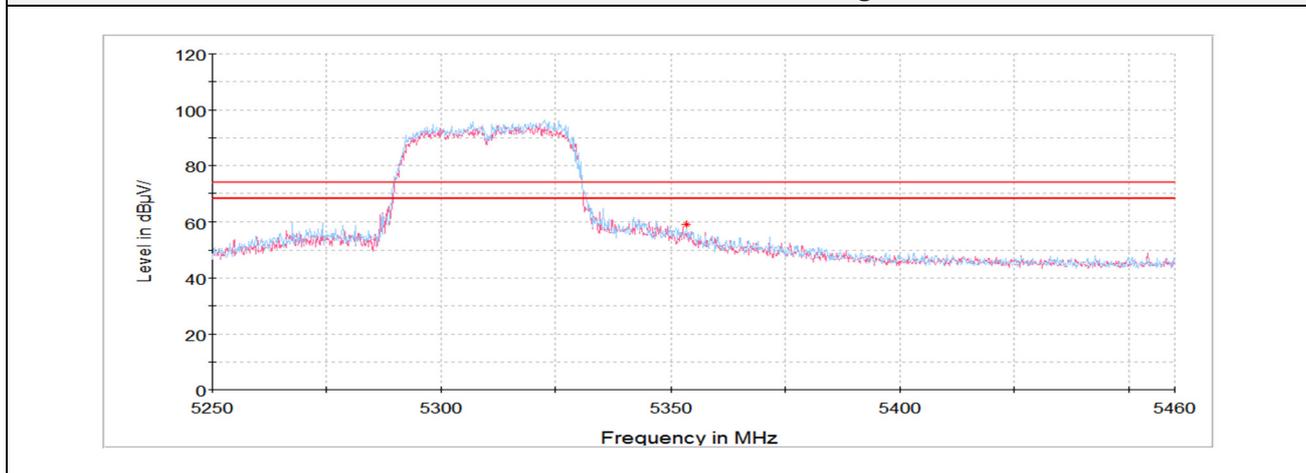


## Highest Channel (5 310 MHz)

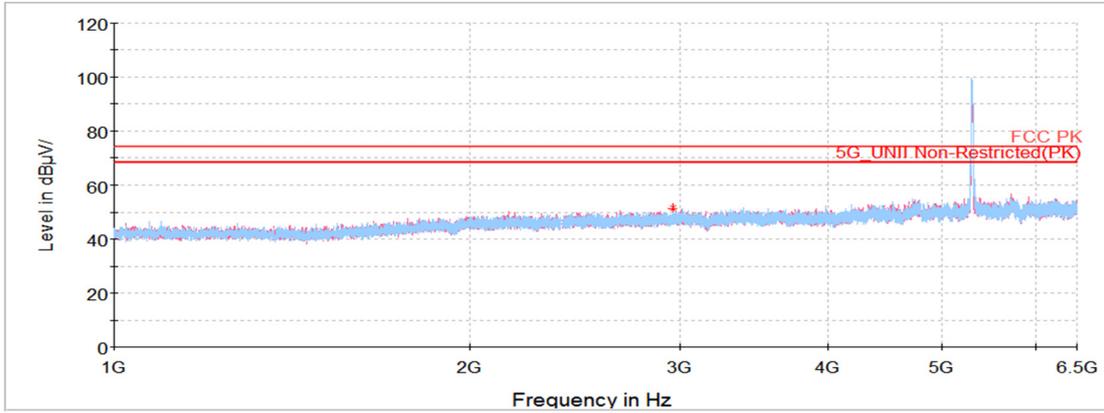
Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCCF	Result	Limit	Margin
(MHz)	(V/H)	(dB(μV))	(dB)	(dB)	(dB)	(dB(μV/m))	(dB(μV/m))	(dB)
<b>Peak data</b>								
5 350.38 <sup>1)</sup>	H	51.44	34.32	-26.84	-	58.92	74.00	15.08
10 621.31 <sup>1)</sup>	V	59.05	37.47	-48.88	-	47.64	74.00	26.36
<b>Average Data</b>								
5 350.38 <sup>1)</sup>	H	41.78	34.32	-26.84	0.89	50.15	54.00	3.85



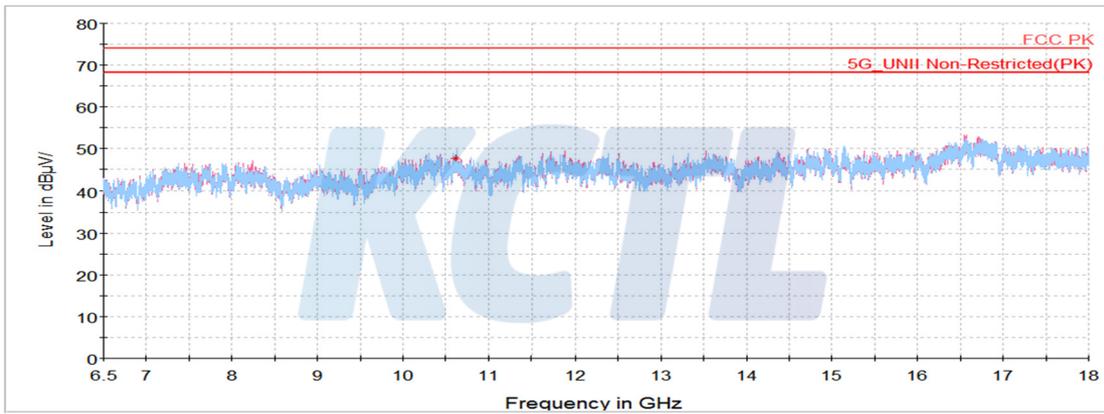
## Horizontal/Vertical for Band-edge



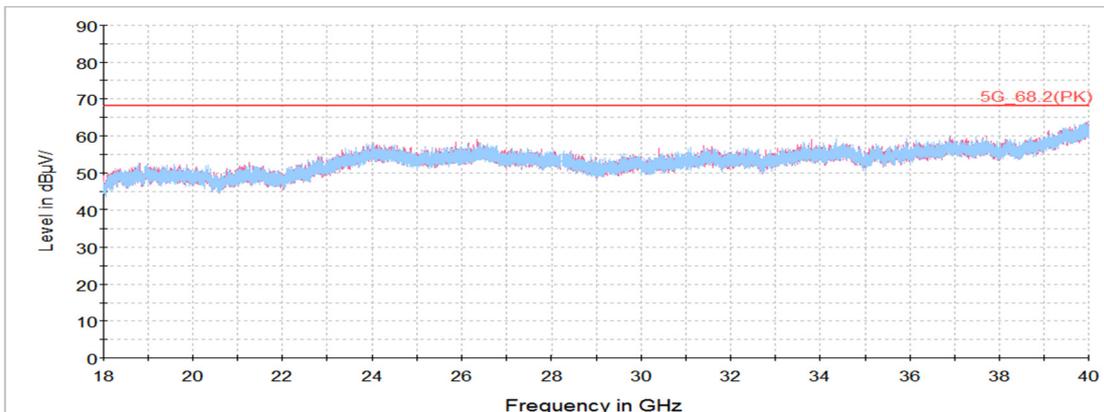
**Horizontal/Vertical for 1 GHz ~ 6.5 GHz**



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



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



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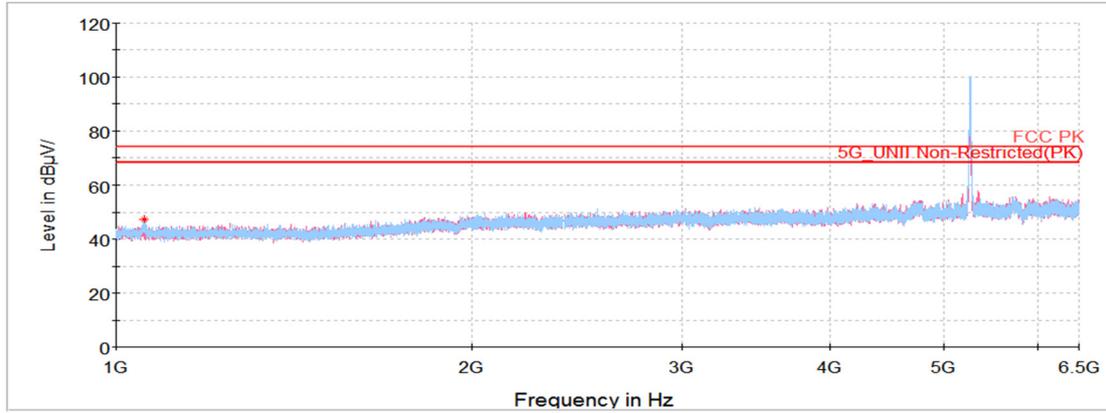
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**802.11ac VHT20 UNII-2A****Lowest Channel (5 260 MHz)**

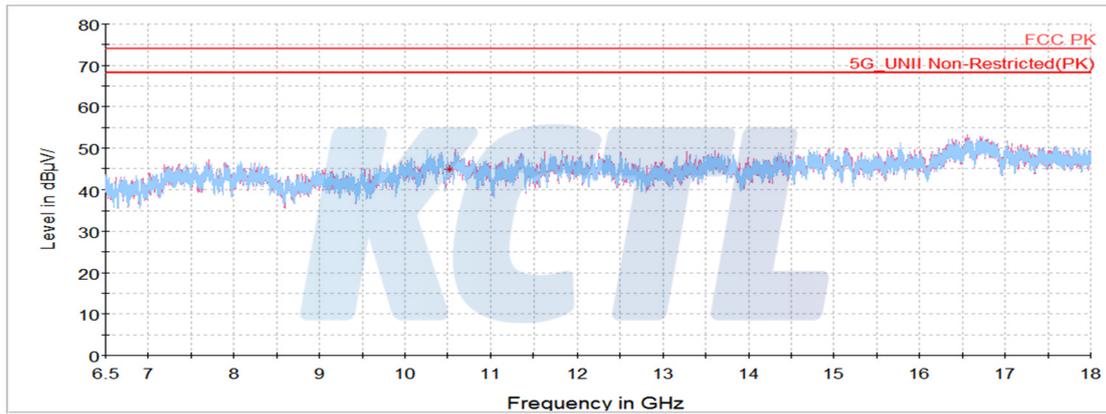
Frequency (MHz)	Pol. (V/H)	Reading (dB( $\mu$ V))	Ant. Factor (dB)	Amp.+Cable (dB)	DCCF (dB)	Result (dB( $\mu$ V/m))	Limit (dB( $\mu$ V/m))	Margin (dB)
<b>Peak data</b>								
10 520.69	H	55.56	37.41	-48.21	-	44.76	68.20	23.44
<b>Average Data</b>								
No spurious emissions were detected within 20 dB of the limit.								



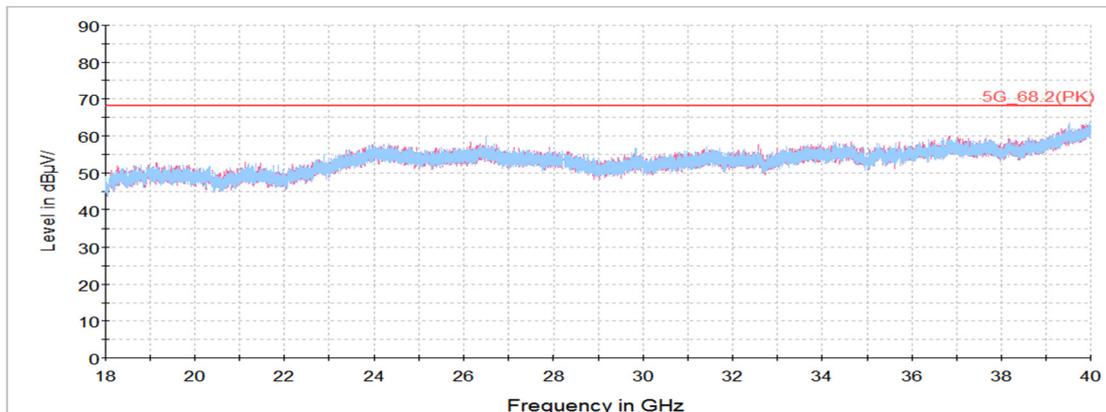
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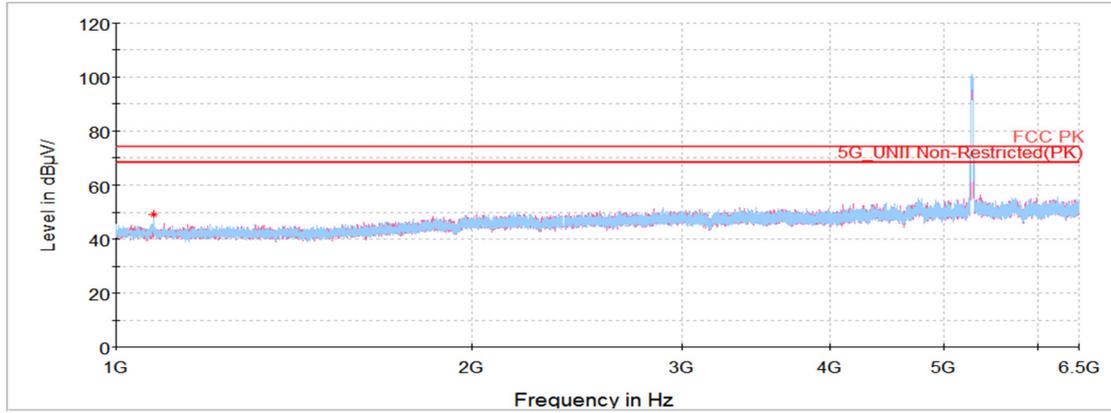
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**Middle Channel (5 280 MHz)**

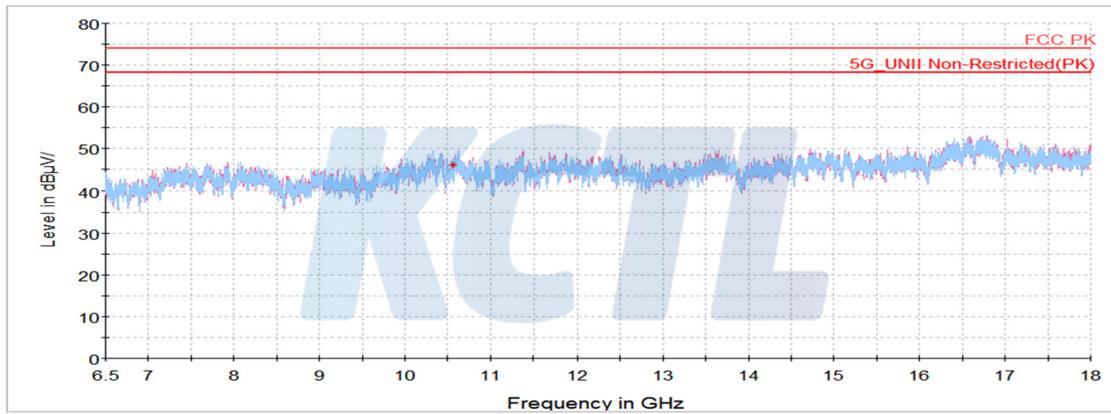
Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCCF	Result	Limit	Margin
(MHz)	(V/H)	(dB( $\mu$ V))	(dB)	(dB)	(dB)	(dB( $\mu$ V/m))	(dB( $\mu$ V/m))	(dB)
<b>Peak data</b>								
10 560.22	V	57.07	37.44	-48.47	-	46.04	68.20	22.16
<b>Average Data</b>								
No spurious emissions were detected within 20 dB of the limit.								



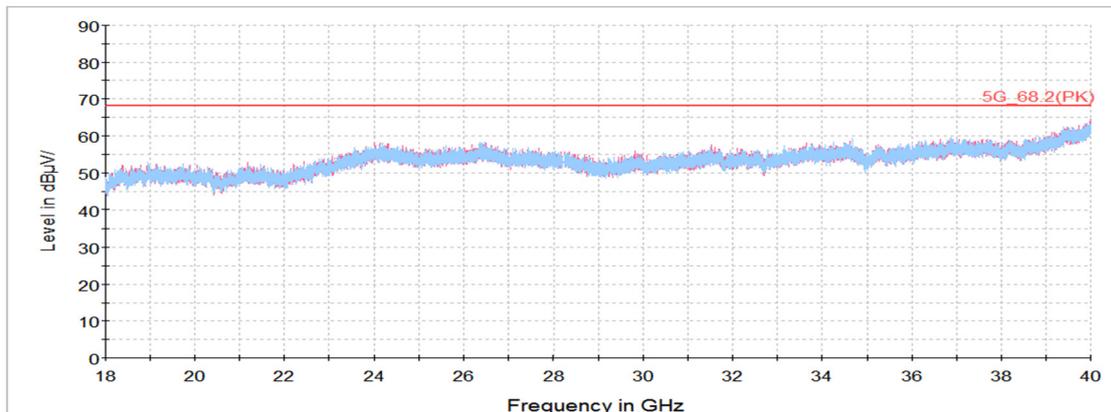
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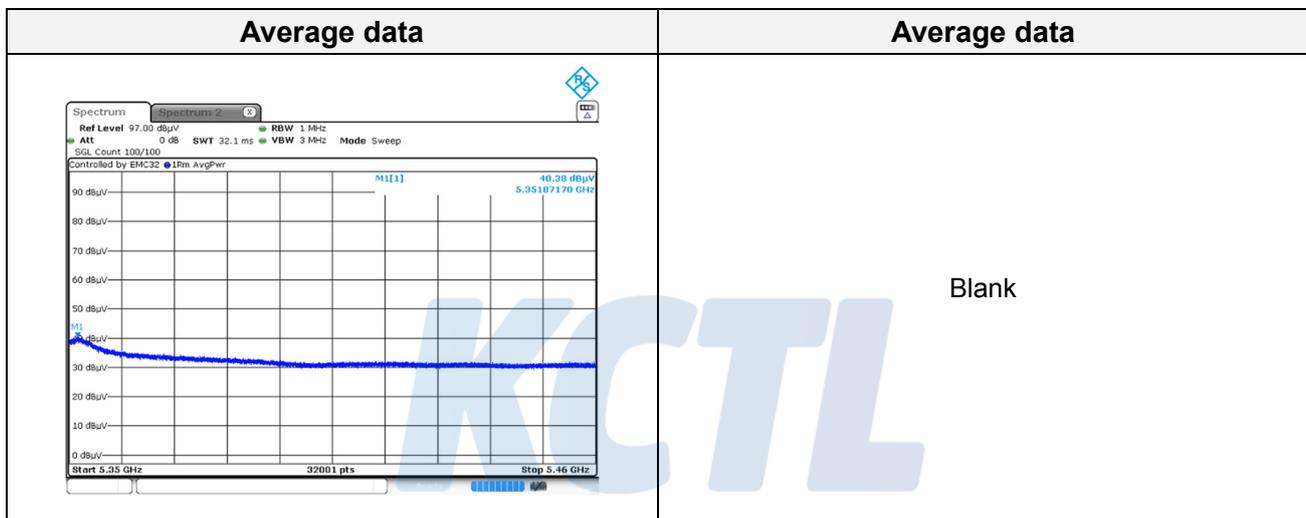
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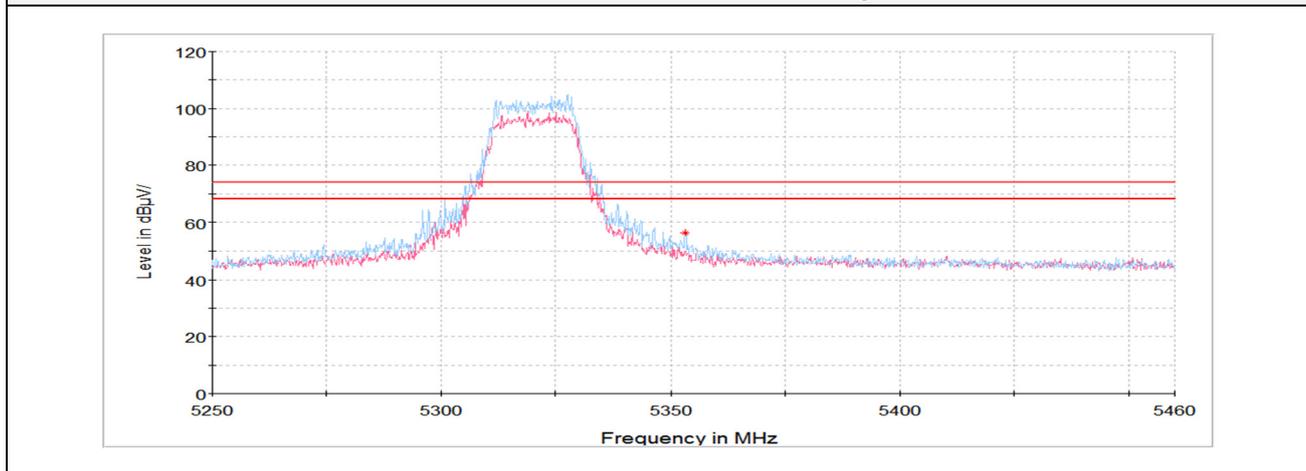


## Highest Channel (5 320 MHz)

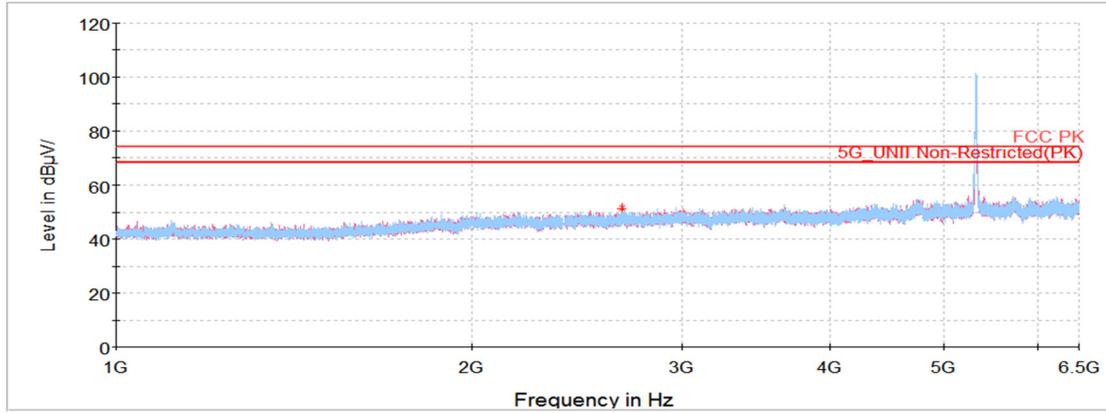
Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCCF	Result	Limit	Margin
(MHz)	(V/H)	(dB(μV))	(dB)	(dB)	(dB)	(dB(μV/m))	(dB(μV/m))	(dB)
<b>Peak data</b>								
5 351.87 <sup>1)</sup>	H	48.72	34.32	-26.84	-	56.20	74.00	17.80
10 640.00 <sup>1)</sup>	V	57.62	37.48	-49.00	-	46.10	74.00	27.90
15 958.85 <sup>1)</sup>	H	59.83	40.18	-48.07	-	51.94	74.00	22.06
<b>Average Data</b>								
5 350.38 <sup>1)</sup>	H	40.38	34.32	-26.84	0.44	48.30	54.00	5.70



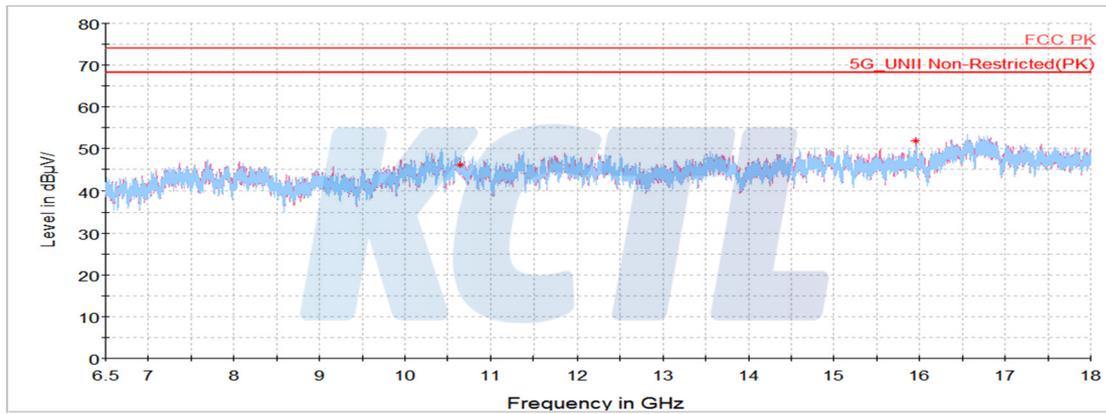
## Horizontal/Vertical for Band-edge



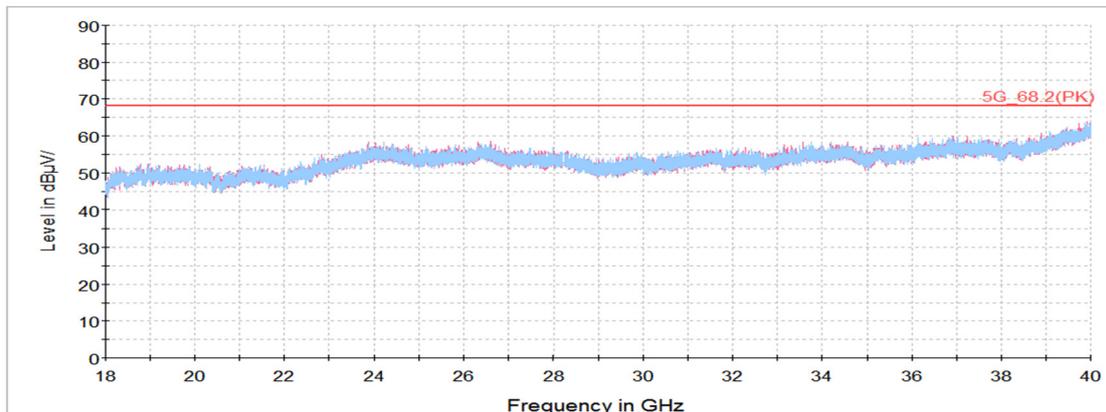
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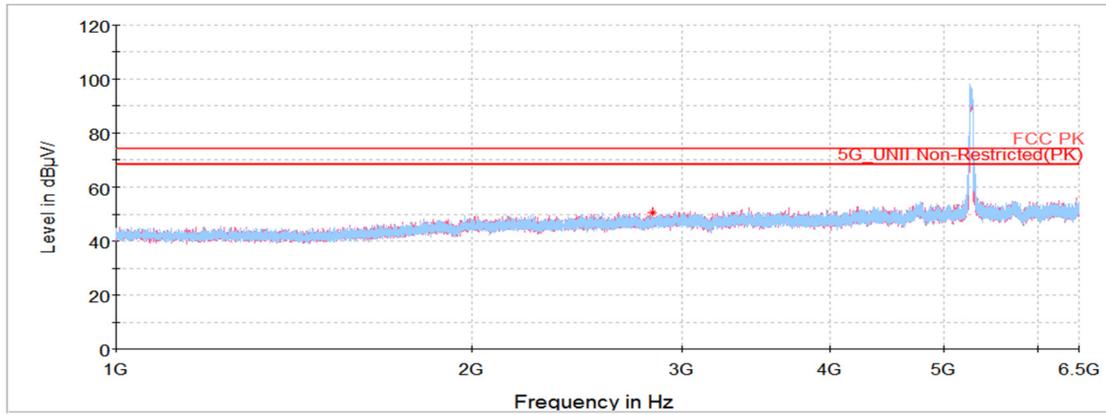
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**802.11ac VHT40 UNII-2A****Lowest Channel (5 270 MHz)**

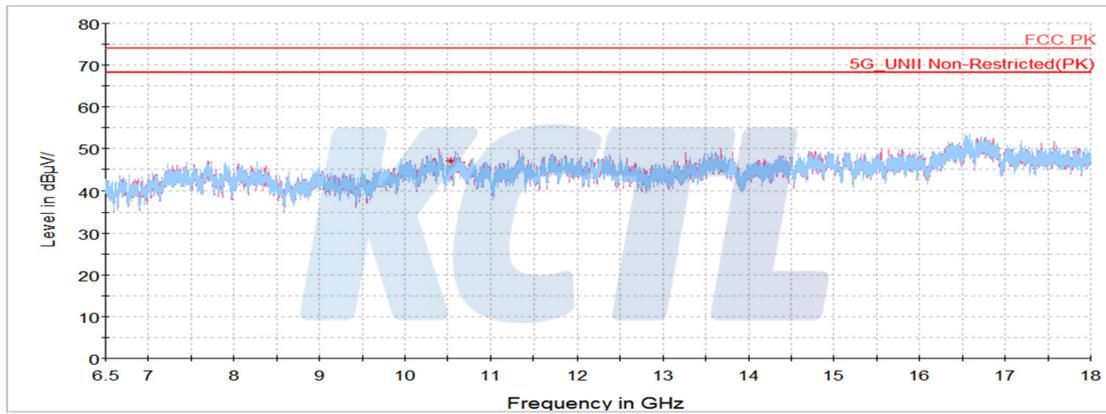
Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCCF	Result	Limit	Margin
(MHz)	(V/H)	(dB( $\mu$ V))	(dB)	(dB)	(dB)	(dB( $\mu$ V/m))	(dB( $\mu$ V/m))	(dB)
<b>Peak data</b>								
10 540.45	V	57.92	37.42	-48.34	-	47.00	68.20	21.20
<b>Average Data</b>								
No spurious emissions were detected within 20 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**

