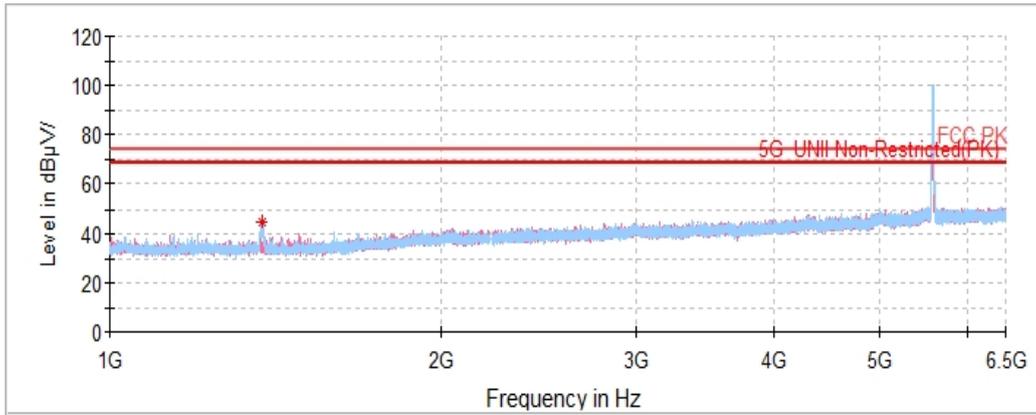
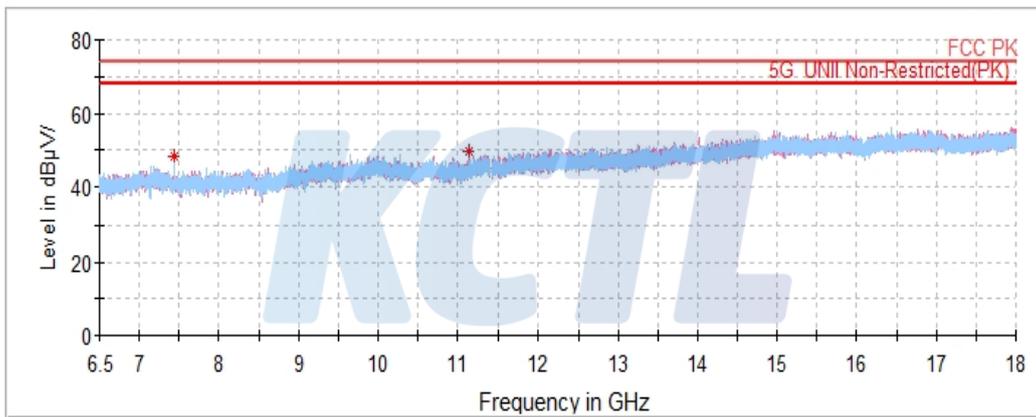


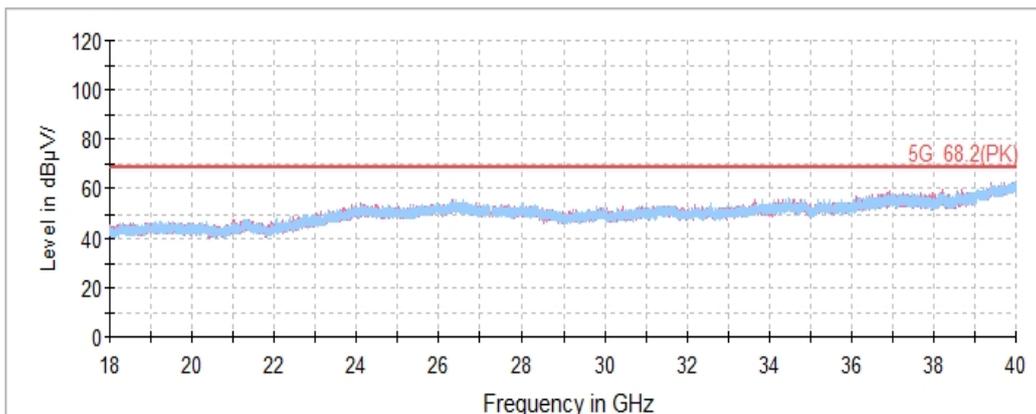
**Horizontal/Vertical for 1 GHz ~ 6.5 GHz**



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



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



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KR19-SRF0077-A

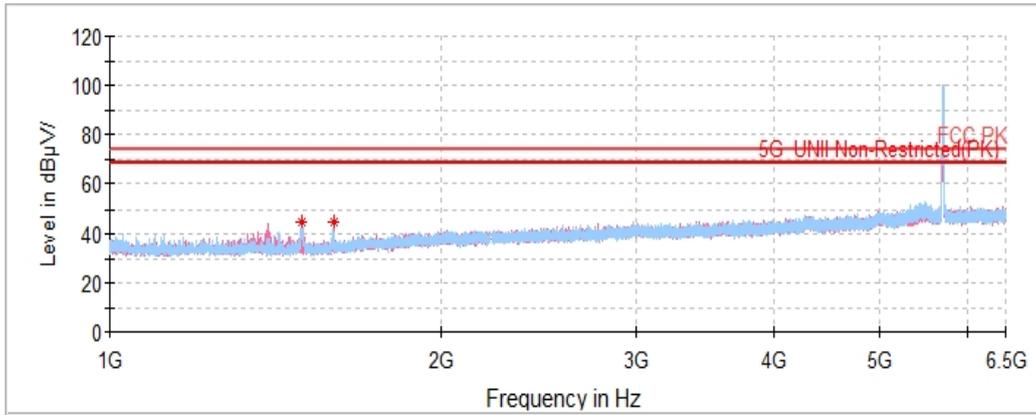
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**Highest Channel (5 700 MHz)**

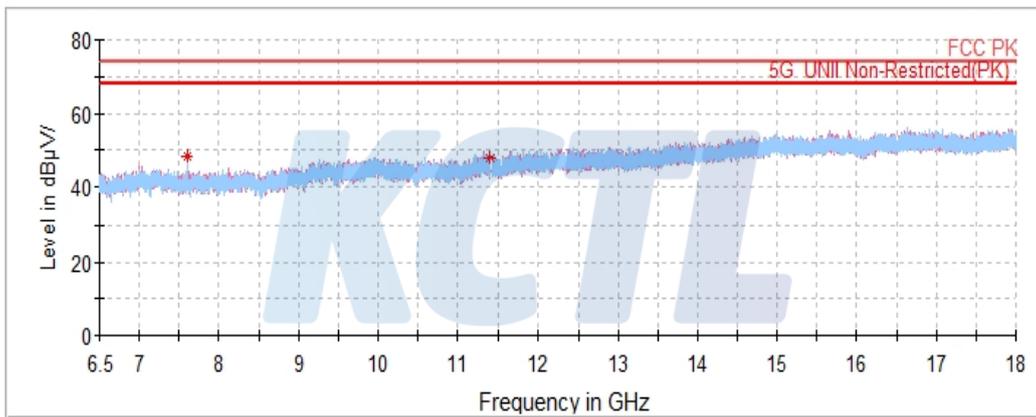
Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCCF	Result	Limit	Margin
(MHz)	(V/H)	(dB( $\mu$ V))	(dB)	(dB)	(dB)	(dB( $\mu$ V/m))	(dB( $\mu$ V/m))	(dB)
<b>Peak data</b>								
11 396.84 <sup>1)</sup>	V	61.35	38.10	-51.78	-	47.67	74.00	26.33
<b>Average Data</b>								
No spurious emissions were detected within 20 dB of the limit.								



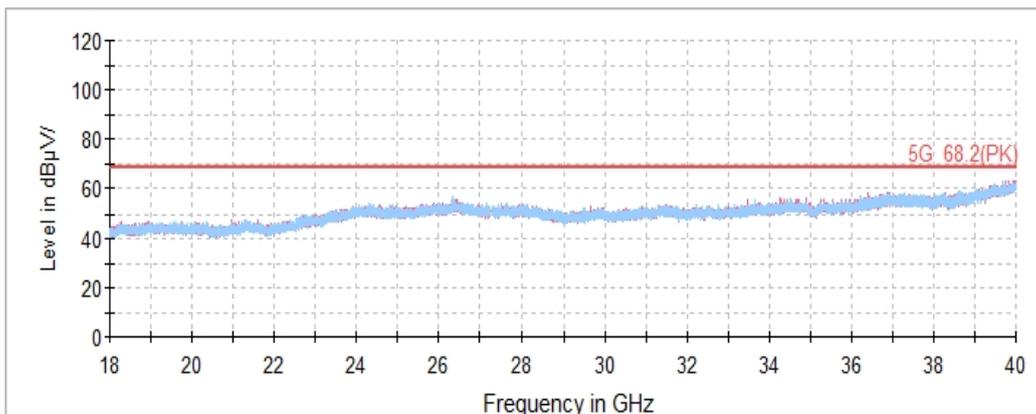
**Horizontal/Vertical for 1 GHz ~ 6.5 GHz**



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



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



**KCTL Inc.**

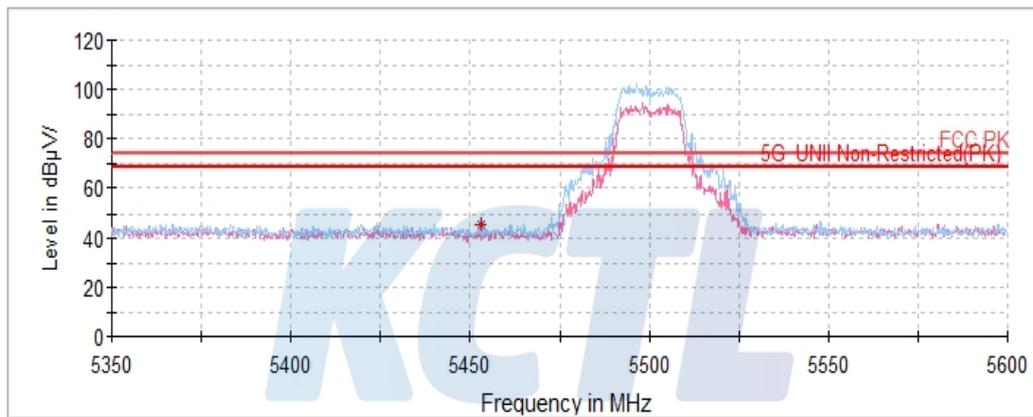
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Suwon-si, Gyeonggi-do, 16677, Korea  
TEL: 82-31-285-0894 FAX: 82-505-299-8311  
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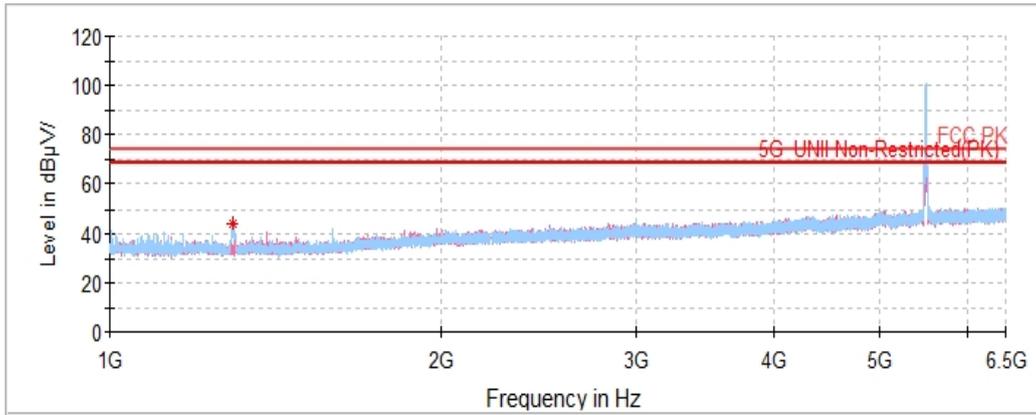
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**KCTL****802.11n HT20 UNII-2C ANT 0****Lowest Channel (5 500 MHz)**

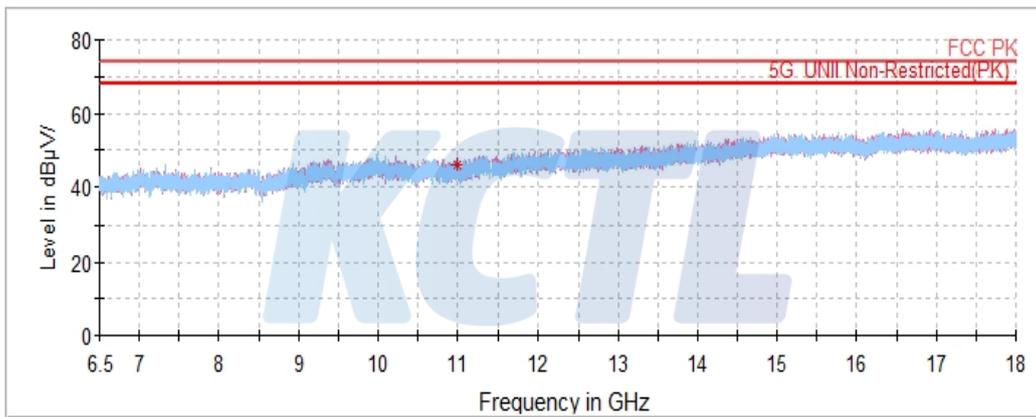
Frequency (MHz)	Pol. (V/H)	Reading (dB( $\mu$ V))	Ant. Factor (dB)	Amp.+Cable (dB)	DCCF (dB)	Result (dB( $\mu$ V/m))	Limit (dB( $\mu$ V/m))	Margin (dB)
<b>Peak data</b>								
5 453.11	H	39.71	34.44	-28.65	-	45.50	74.00	28.50
11 000.45	H	61.39	37.70	-52.97	-	46.12	74.00	27.88
<b>Average Data</b>								
No spurious emissions were detected within 20 dB of the limit.								

**Horizontal/Vertical for Band-edge**

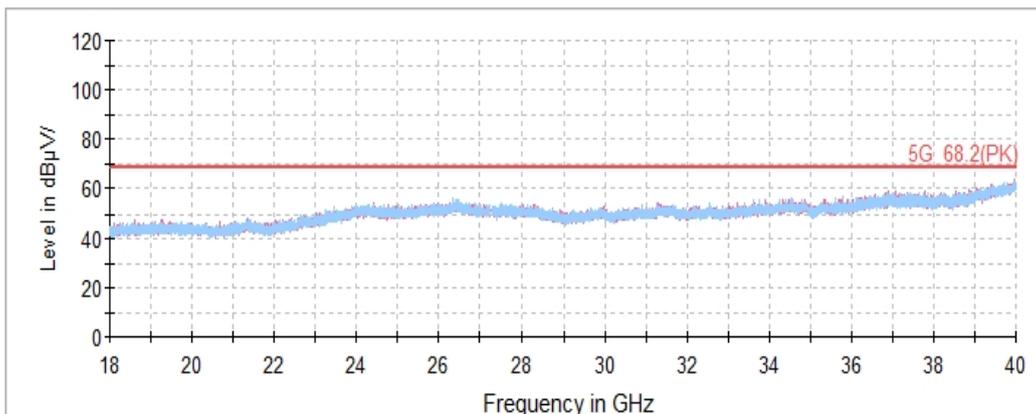
**Horizontal/Vertical for 1 GHz ~ 6.5 GHz**



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



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



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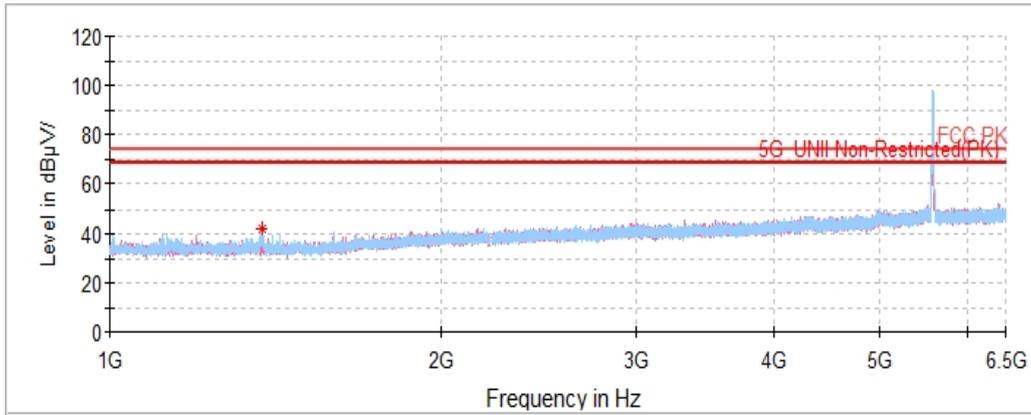
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**Middle Channel (5 580 MHz)**

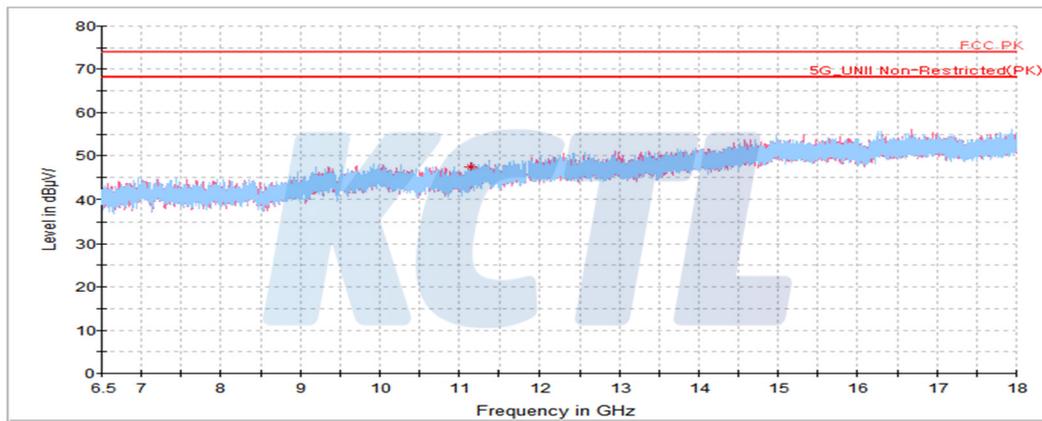
Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCCF	Result	Limit	Margin
(MHz)	(V/H)	(dB( $\mu V$ ))	(dB)	(dB)	(dB)	(dB( $\mu V/m$ ))	(dB( $\mu V/m$ ))	(dB)
<b>Peak data</b>								
11 156.78 <sup>1)</sup>	V	62.16	37.86	-52.50	-	47.52	74.00	26.48
<b>Average Data</b>								
No spurious emissions were detected within 20 dB of the limit.								



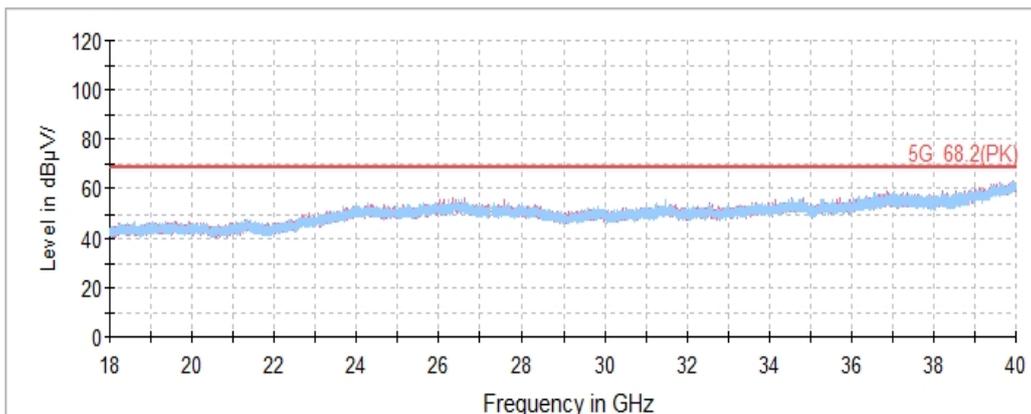
**Horizontal/Vertical for 1 GHz ~ 6.5 GHz**



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



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



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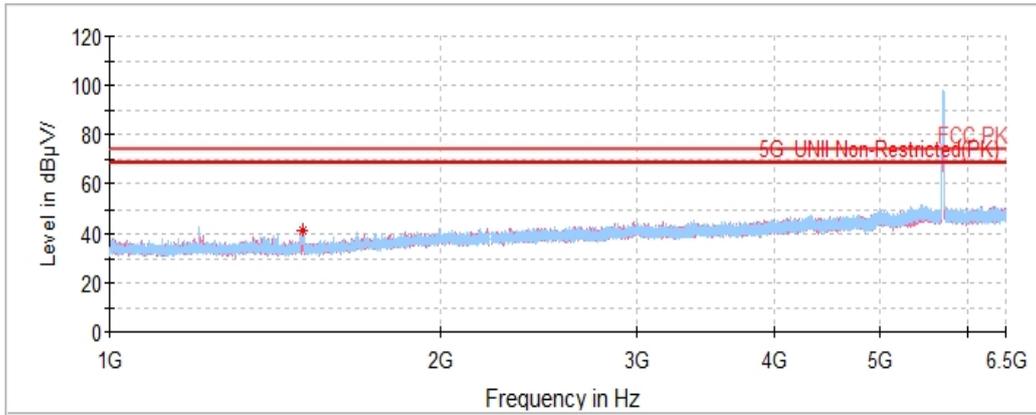
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**KCTL****Highest Channel (5 700 MHz)**

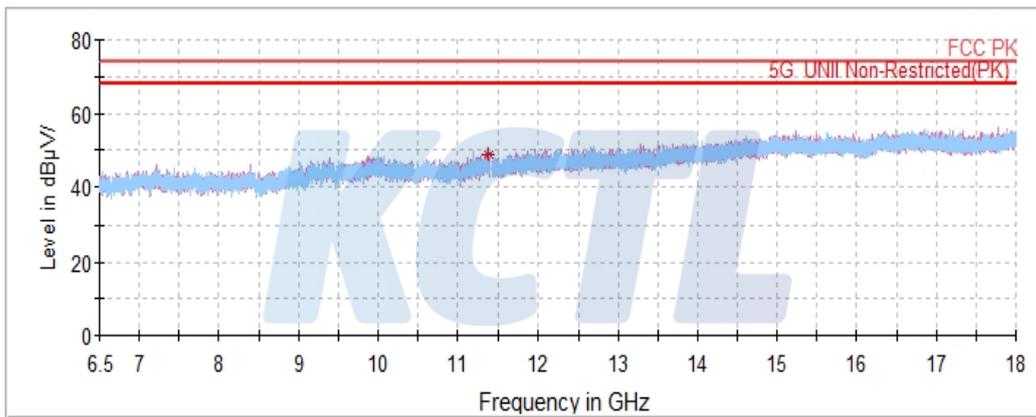
Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCCF	Result	Limit	Margin
(MHz)	(V/H)	(dB( $\mu$ V))	(dB)	(dB)	(dB)	(dB( $\mu$ V/m))	(dB( $\mu$ V/m))	(dB)
<b>Peak data</b>								
11 391.81 <sup>1)</sup>	V	62.58	38.09	-51.79	-	48.88	74.00	25.12
<b>Average Data</b>								
No spurious emissions were detected within 20 dB of the limit.								

**KCTL**

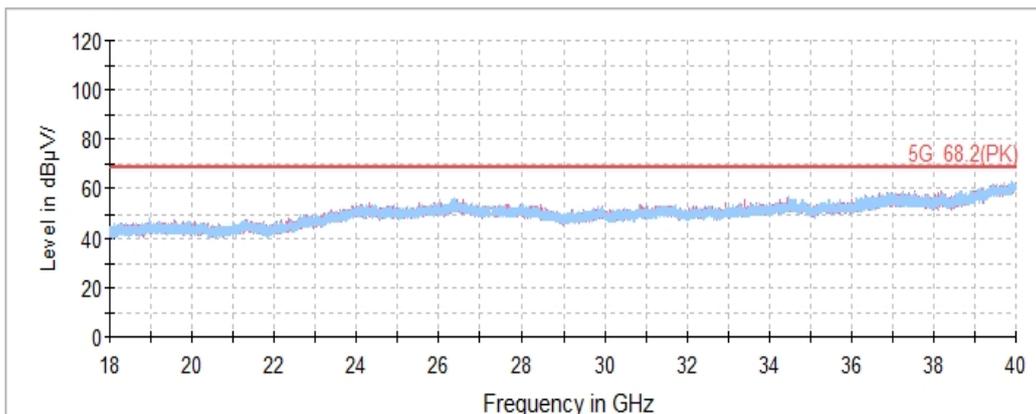
**Horizontal/Vertical for 1 GHz ~ 6.5 GHz**



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



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



**KCTL Inc.**

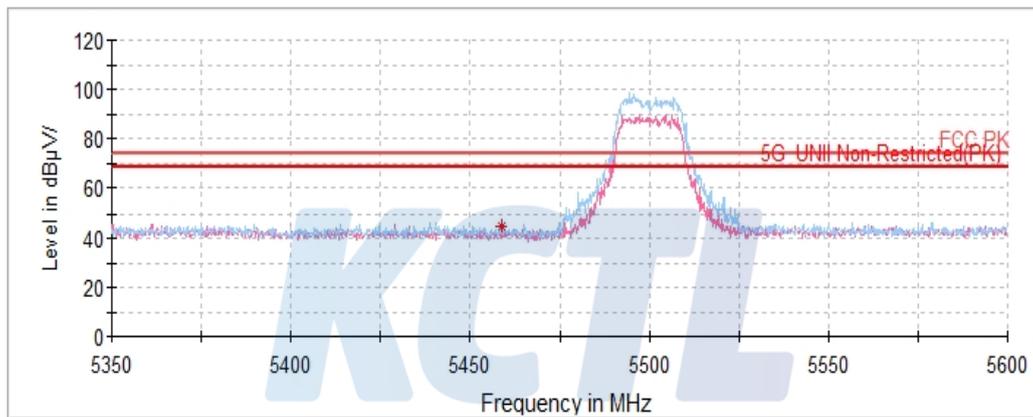
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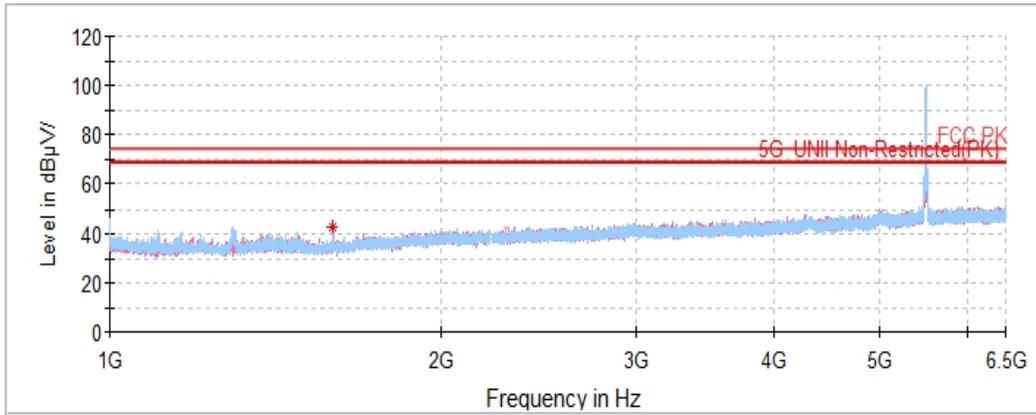
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**KCTL****802.11n HT20 UNII-2C ANT 1****Lowest Channel (5 500 MHz)**

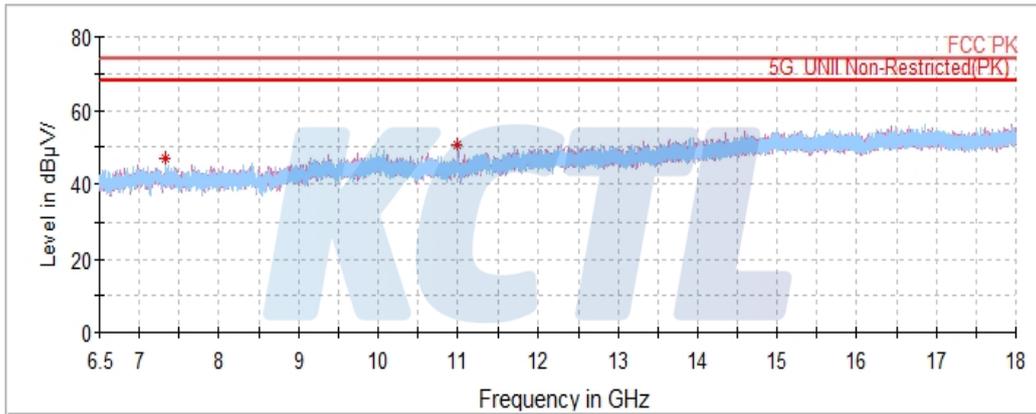
Frequency (MHz)	Pol. (V/H)	Reading (dB( $\mu$ V))	Ant. Factor (dB)	Amp.+Cable (dB)	DCCF (dB)	Result (dB( $\mu$ V/m))	Limit (dB( $\mu$ V/m))	Margin (dB)
<b>Peak data</b>								
5 458.78 <sup>1)</sup>	H	39.17	34.45	-28.64	-	44.98	74.00	29.02
11 003.69 <sup>1)</sup>	H	65.87	37.70	-52.96	-	50.61	74.00	23.39
<b>Average Data</b>								
No spurious emissions were detected within 20 dB of the limit.								

**Horizontal/Vertical for Band-edge**

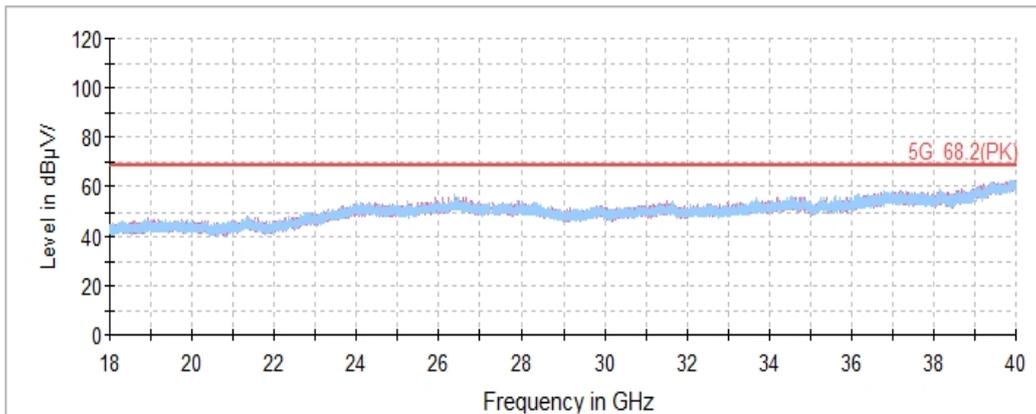
**Horizontal/Vertical for 1 GHz ~ 6.5 GHz**



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



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



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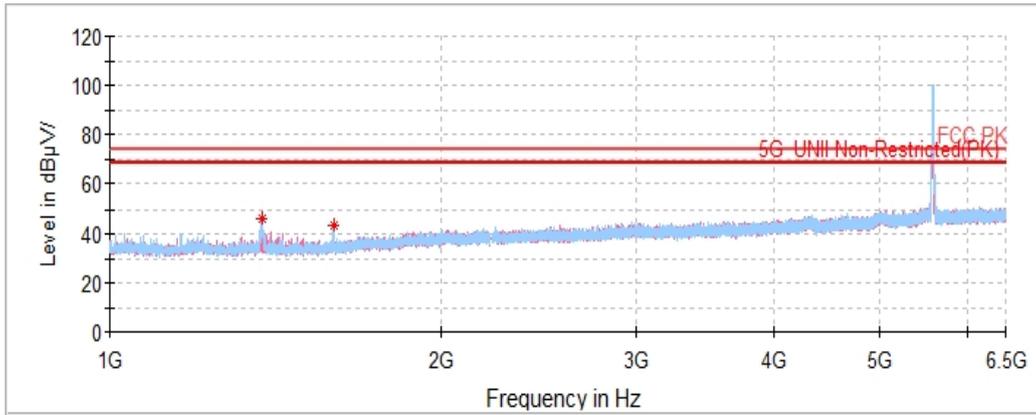
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**KCTL****Middle Channel (5 580 MHz)**

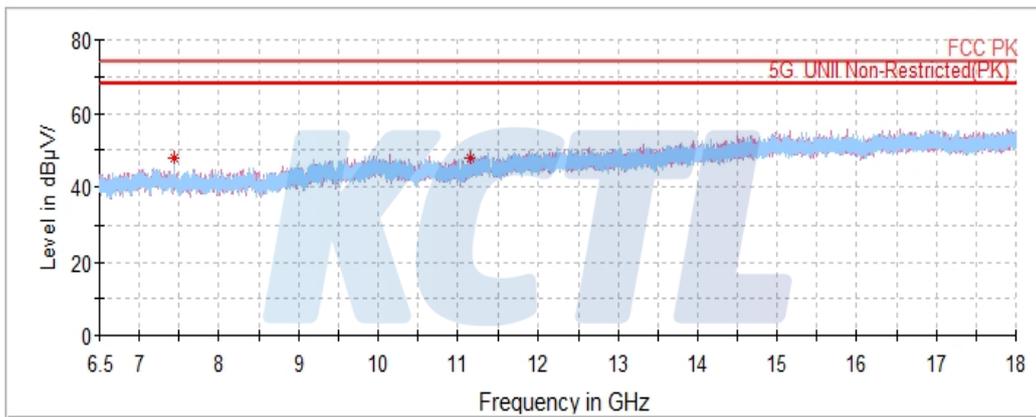
Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCCF	Result	Limit	Margin
(MHz)	(V/H)	(dB( $\mu V$ ))	(dB)	(dB)	(dB)	(dB( $\mu V/m$ ))	(dB( $\mu V/m$ ))	(dB)
<b>Peak data</b>								
11 160.73 <sup>1)</sup>	V	62.59	37.86	-52.49	-	47.96	74.00	26.04
<b>Average Data</b>								
No spurious emissions were detected within 20 dB of the limit.								

**KCTL**

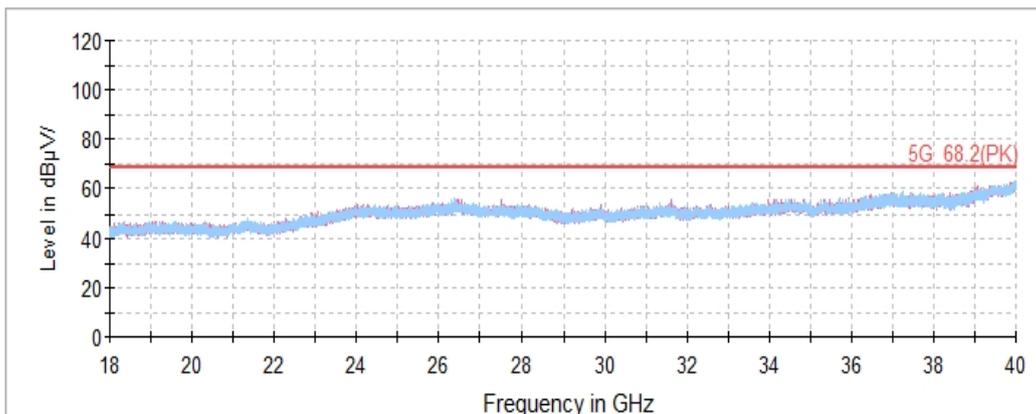
**Horizontal/Vertical for 1 GHz ~ 6.5 GHz**



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



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



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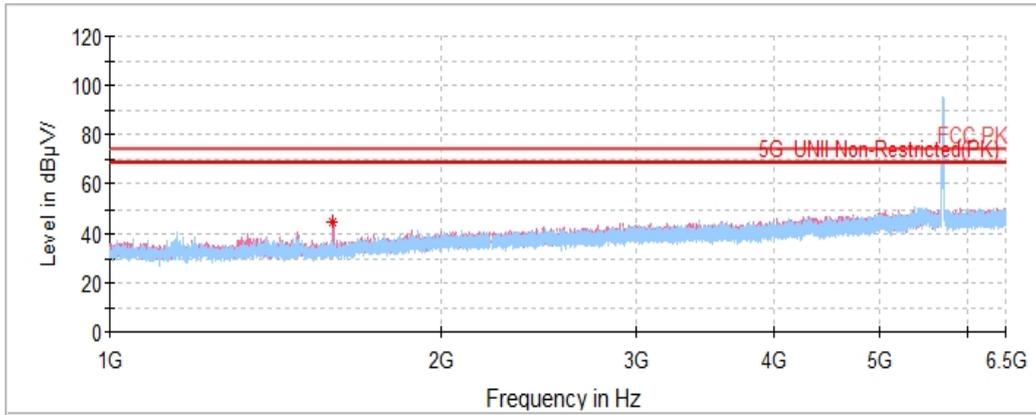
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**Highest Channel (5 700 MHz)**

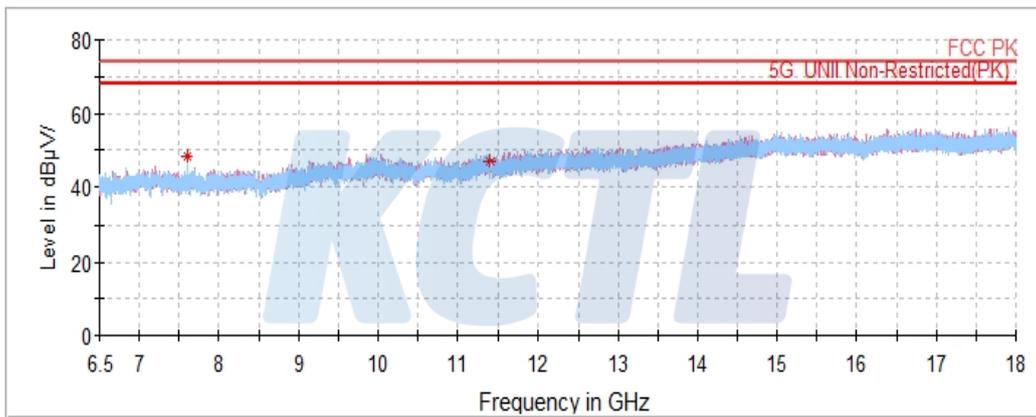
Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCCF	Result	Limit	Margin
(MHz)	(V/H)	(dB( $\mu$ V))	(dB)	(dB)	(dB)	(dB( $\mu$ V/m))	(dB( $\mu$ V/m))	(dB)
<b>Peak data</b>								
11 403.31 <sup>1)</sup>	V	60.48	38.10	-51.76	-	46.82	74.00	27.18
<b>Average Data</b>								
No spurious emissions were detected within 20 dB of the limit.								



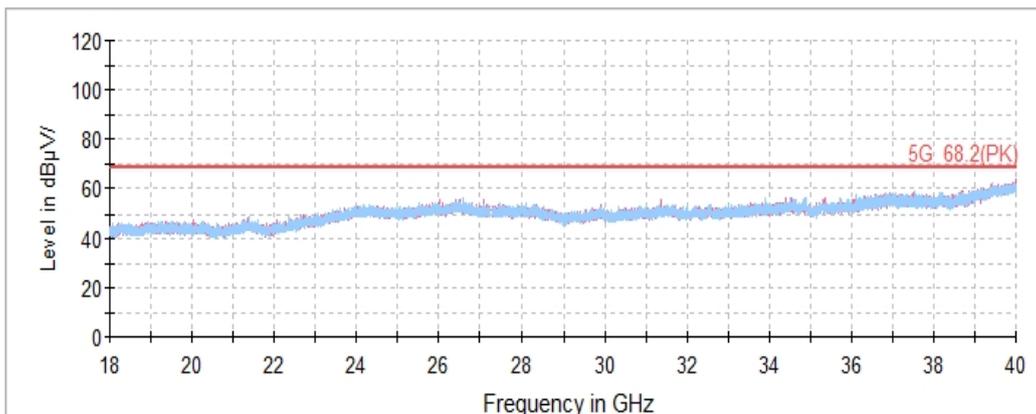
**Horizontal/Vertical for 1 GHz ~ 6.5 GHz**



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



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



**KCTL Inc.**

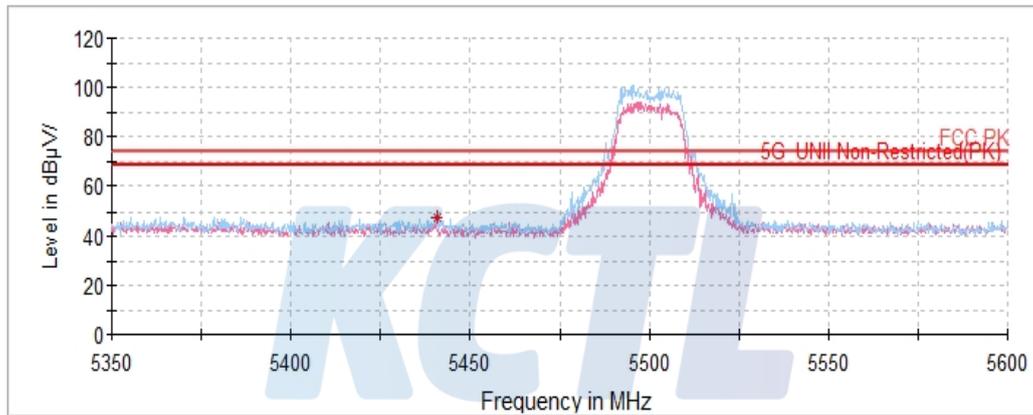
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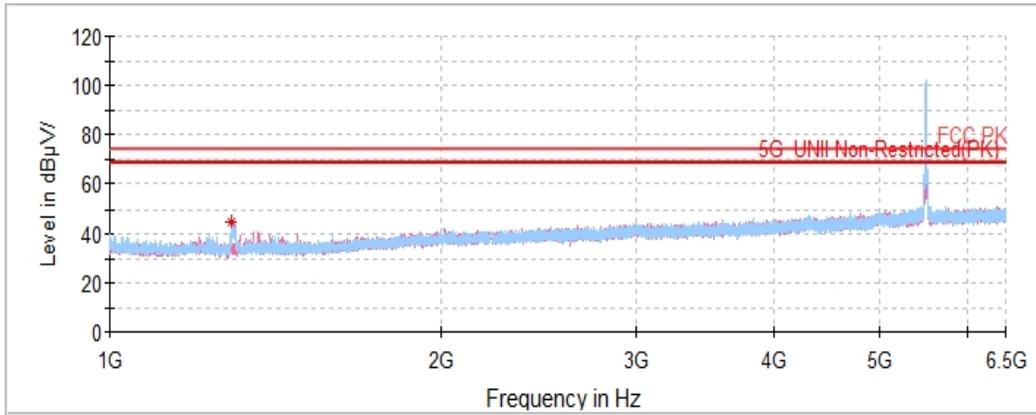
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**802.11n HT20 UNII-2C MIMO****Lowest Channel (5 500 MHz)**

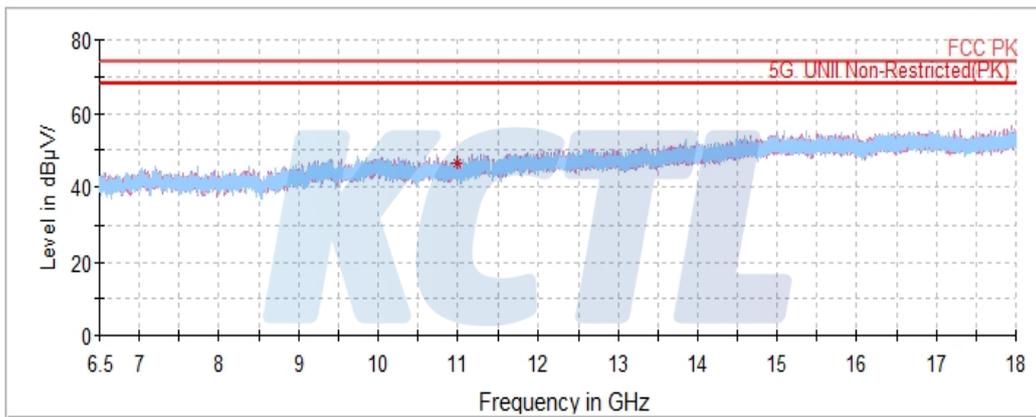
Frequency (MHz)	Pol. (V/H)	Reading (dB( $\mu$ V))	Ant. Factor (dB)	Amp.+Cable (dB)	DCCF (dB)	Result (dB( $\mu$ V/m))	Limit (dB( $\mu$ V/m))	Margin (dB)
<b>Peak data</b>								
5 440.91 <sup>1)</sup>	H	41.86	34.43	-28.68	-	47.61	74.00	26.39
11 005.84 <sup>1)</sup>	H	61.82	37.71	-52.95	-	46.58	74.00	27.42
<b>Average Data</b>								
No spurious emissions were detected within 20 dB of the limit.								

**Horizontal/Vertical for Band-edge**

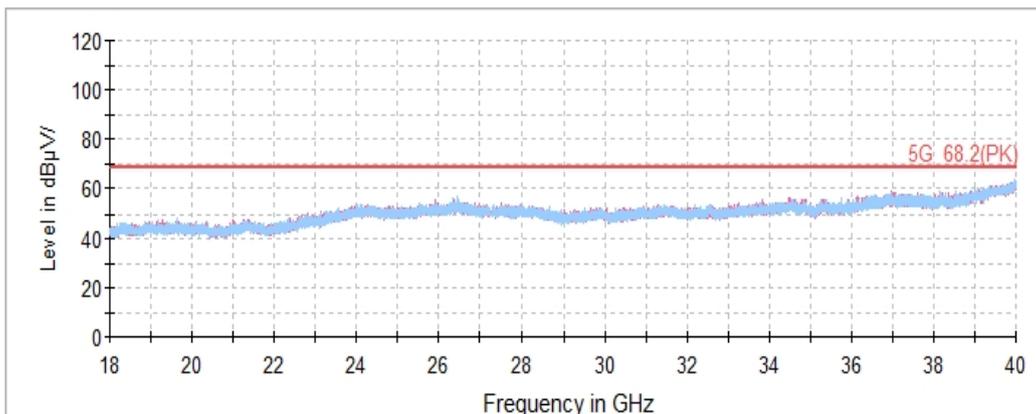
**Horizontal/Vertical for 1 GHz ~ 6.5 GHz**



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



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



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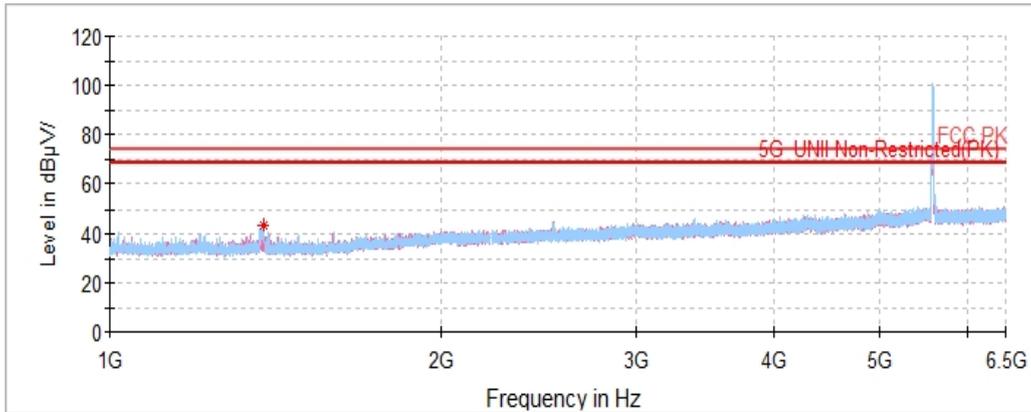
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**Middle Channel (5 580 MHz)**

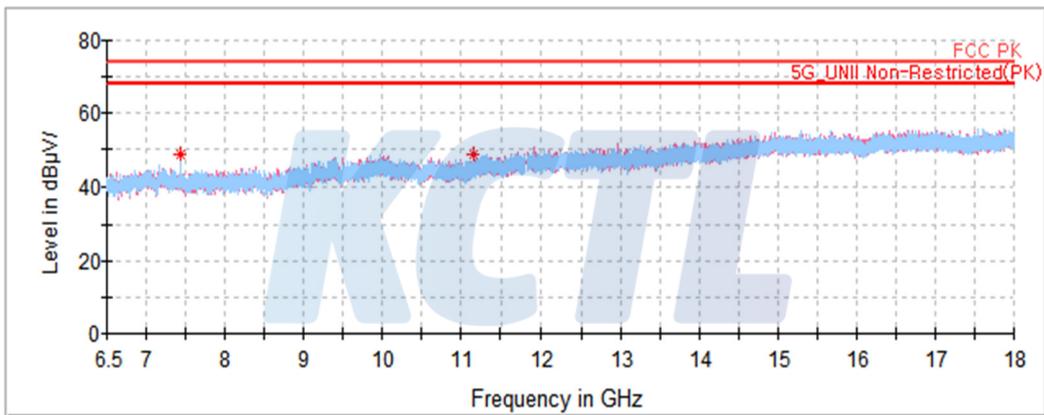
Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCCF	Result	Limit	Margin
(MHz)	(V/H)	(dB( $\mu V$ ))	(dB)	(dB)	(dB)	(dB( $\mu V/m$ ))	(dB( $\mu V/m$ ))	(dB)
<b>Peak data</b>								
11 160.02 <sup>1)</sup>	H	63.13	37.86	-52.49	-	48.50	74.00	25.50
<b>Average Data</b>								
No spurious emissions were detected within 20 dB of the limit.								



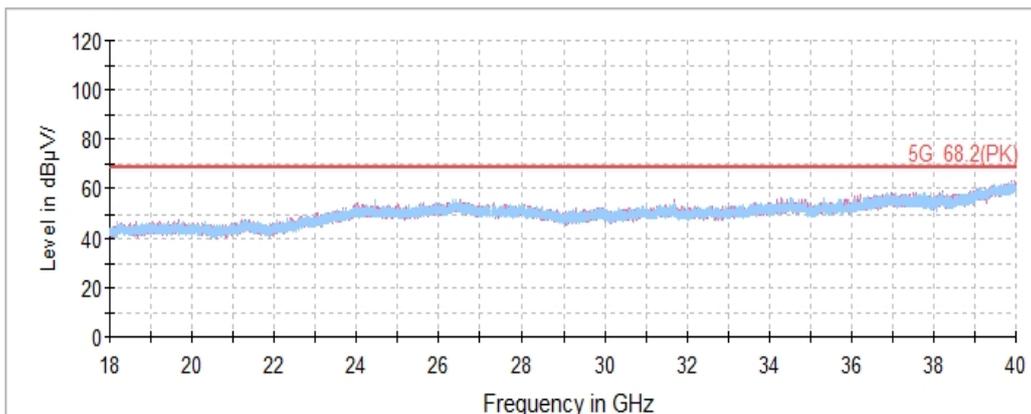
**Horizontal/Vertical for 1 GHz ~ 6.5 GHz**



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



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



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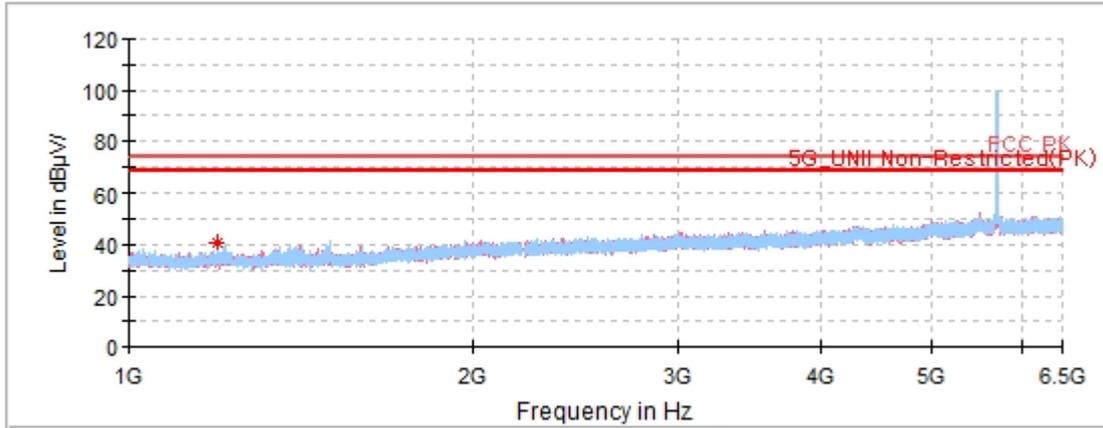
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**KCTL****Highest Channel (5 700 MHz)**

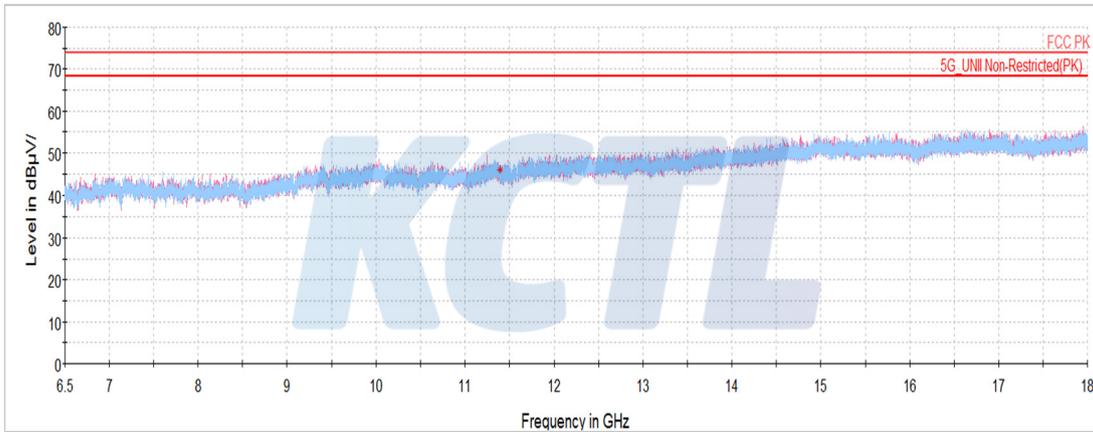
Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCCF	Result	Limit	Margin
(MHz)	(V/H)	(dB( $\mu$ V))	(dB)	(dB)	(dB)	(dB( $\mu$ V/m))	(dB( $\mu$ V/m))	(dB)
<b>Peak data</b>								
11 398.64 <sup>1)</sup>	V	59.72	38.10	-51.77	-	46.05	74.00	27.95
<b>Average Data</b>								
No spurious emissions were detected within 20 dB of the limit.								

**KCTL**

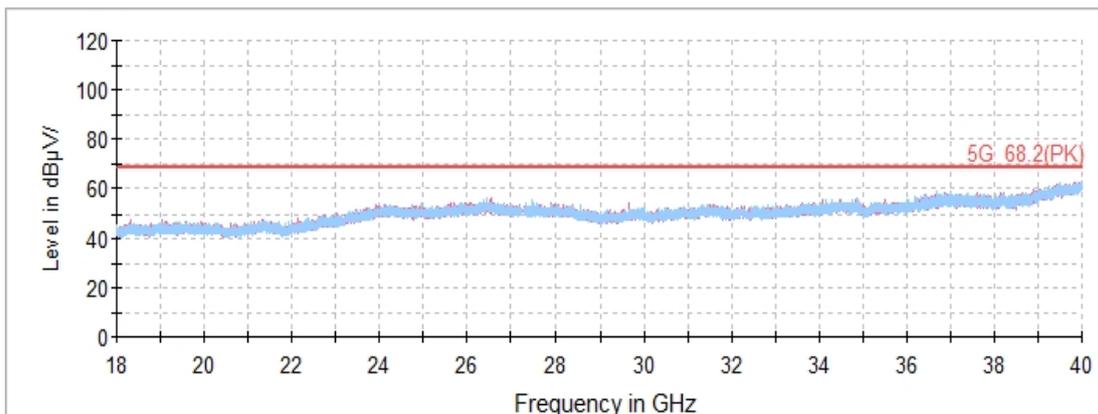
**Horizontal/Vertical for 1 GHz ~ 6.5 GHz**



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



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



**KCTL Inc.**

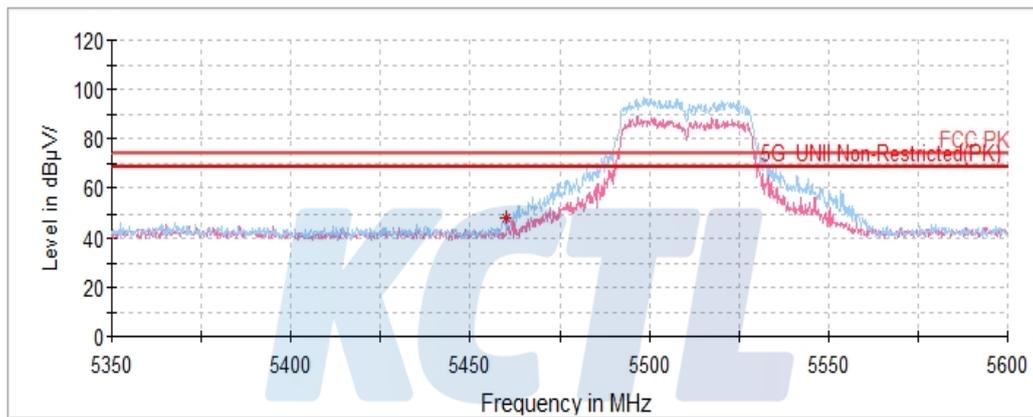
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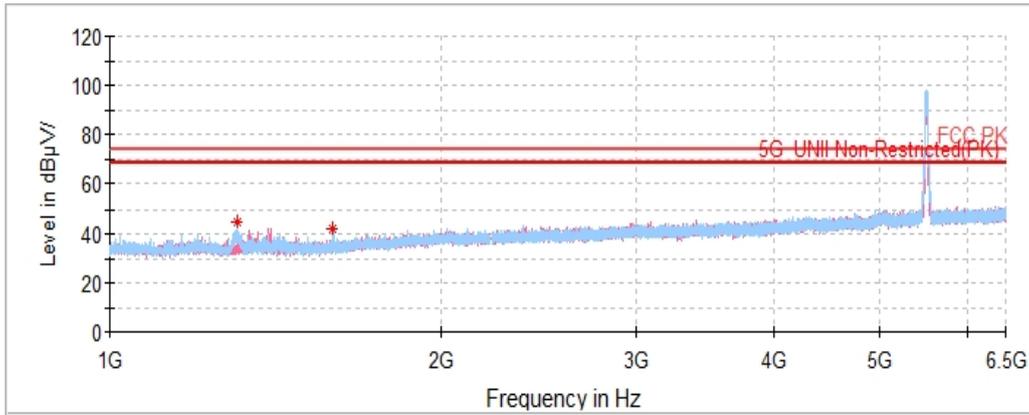
Page (205) of (267)

**KCTL****802.11n HT40 UNII-2C ANT 0****Lowest Channel (5 510 MHz)**

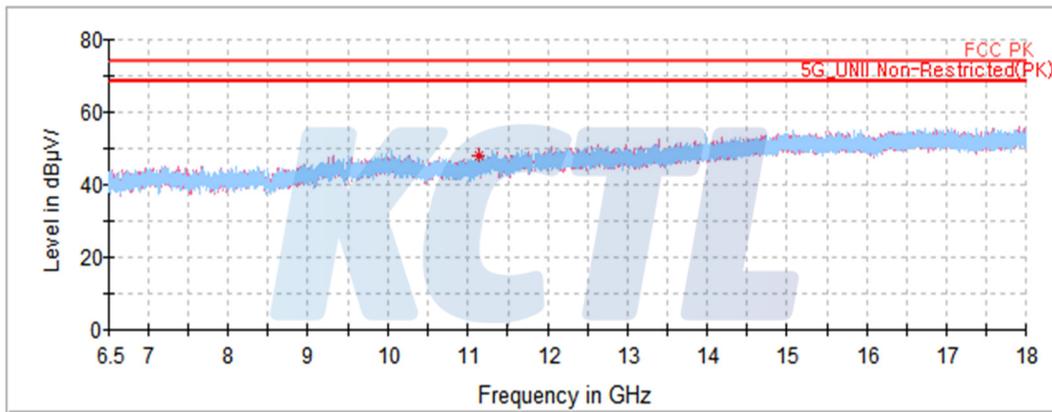
Frequency (MHz)	Pol. (V/H)	Reading (dB( $\mu$ V))	Ant. Factor (dB)	Amp.+Cable (dB)	DCCF (dB)	Result (dB( $\mu$ V/m))	Limit (dB( $\mu$ V/m))	Margin (dB)
<b>Peak data</b>								
5 459.81 <sup>1)</sup>	H	42.77	34.45	-28.64	-	48.58	74.00	25.42
11 019.86 <sup>1)</sup>	H	60.44	37.72	-52.91	-	45.25	74.00	28.75
<b>Average Data</b>								
No spurious emissions were detected within 20 dB of the limit.								

**Horizontal/Vertical for Band-edge**

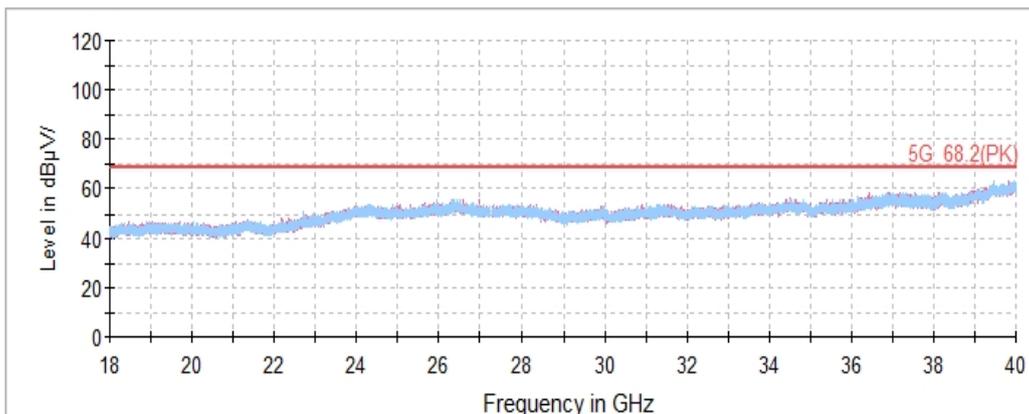
**Horizontal/Vertical for 1 GHz ~ 6.5 GHz**



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



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



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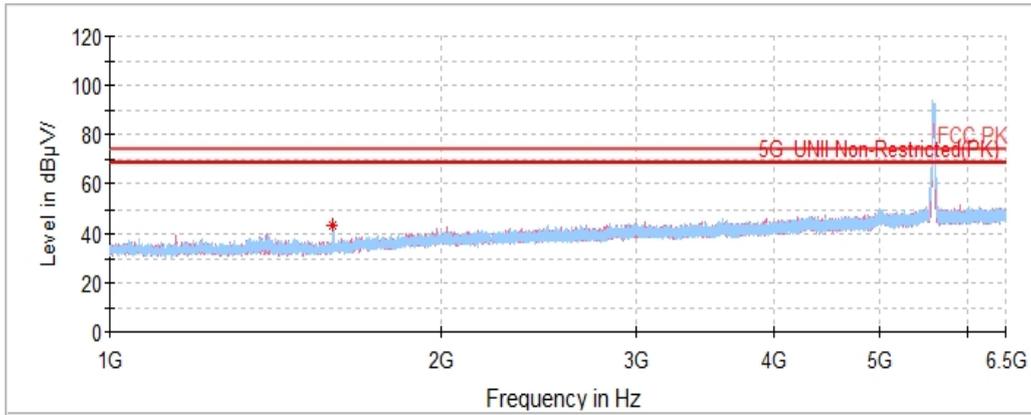
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**KCTL****Middle Channel (5 590 MHz)**

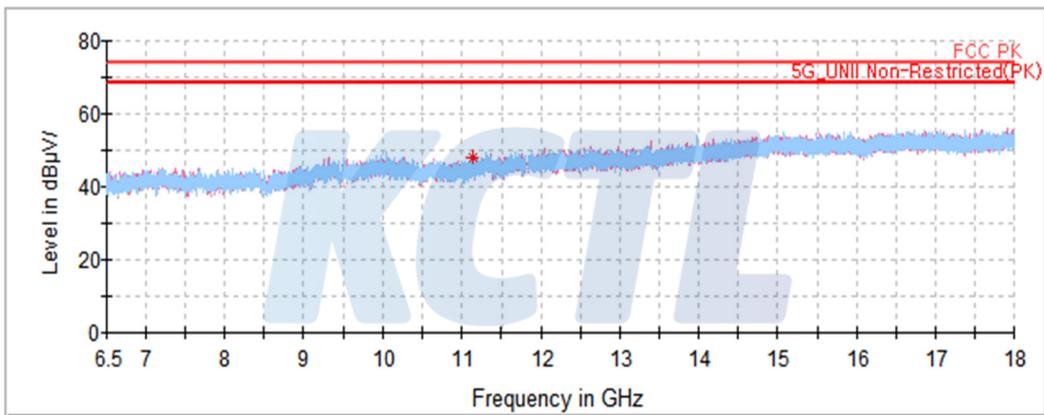
Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCCF	Result	Limit	Margin
(MHz)	(V/H)	(dB( $\mu$ V))	(dB)	(dB)	(dB)	(dB( $\mu$ V/m))	(dB( $\mu$ V/m))	(dB)
<b>Peak data</b>								
11 149.95 <sup>1)</sup>	V	62.54	37.85	-52.52	-	47.87	74.00	26.13
<b>Average Data</b>								
No spurious emissions were detected within 20 dB of the limit.								

**KCTL**

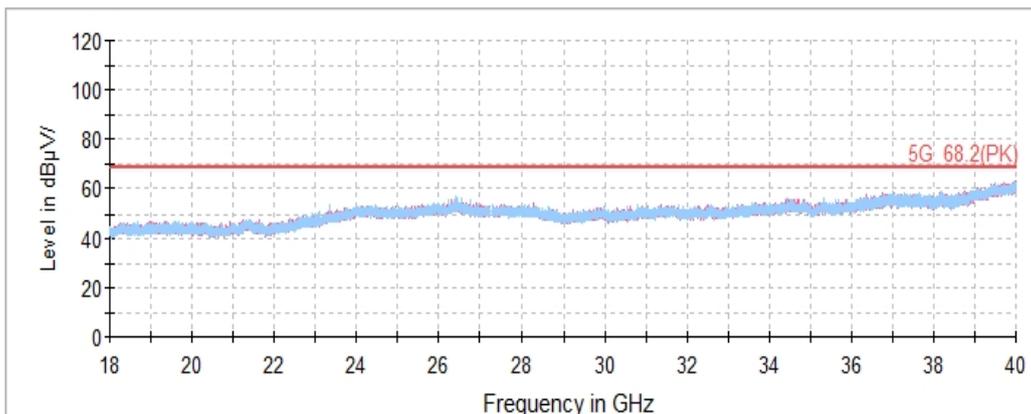
**Horizontal/Vertical for 1 GHz ~ 6.5 GHz**



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



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



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Report No.:  
KR19-SRF0077-A

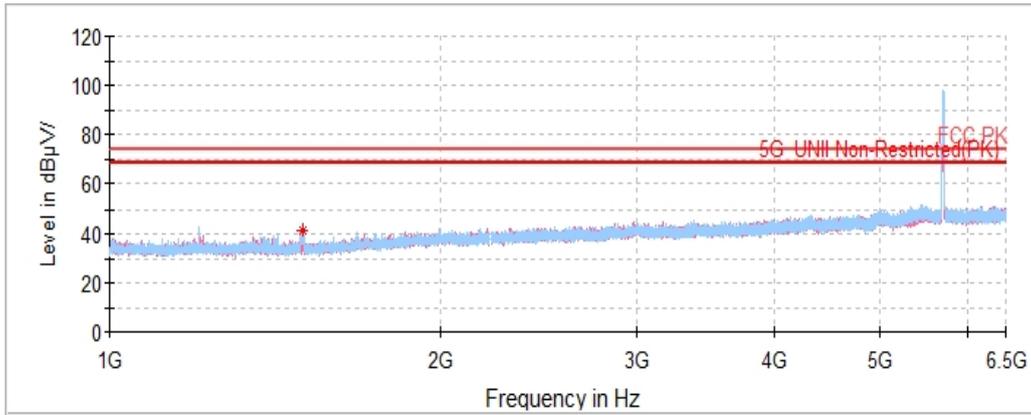
Page (209) of (267)

**Highest Channel (5 670 MHz)**

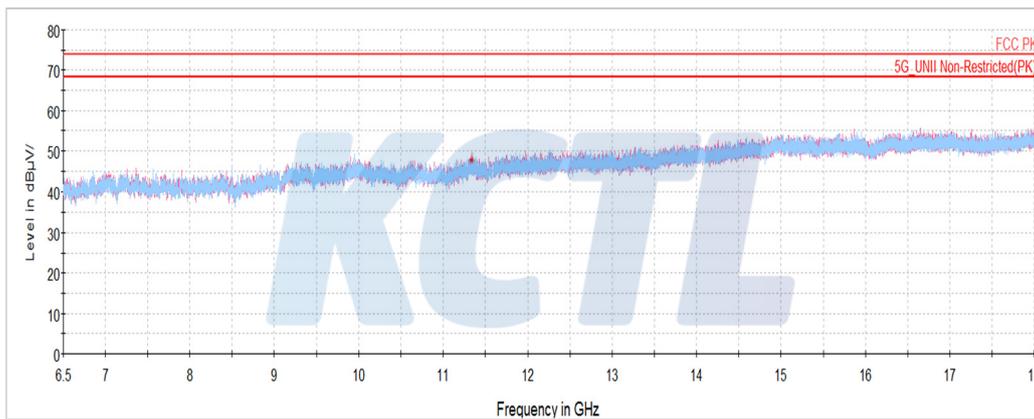
Frequency (MHz)	Pol. (V/H)	Reading (dB( $\mu$ V))	Ant. Factor (dB)	Amp.+Cable (dB)	DCCF (dB)	Result (dB( $\mu$ V/m))	Limit (dB( $\mu$ V/m))	Margin (dB)
<b>Peak data</b>								
11 340.06 <sup>1)</sup>	V	61.60	38.04	-51.95	-	47.69	74.00	26.31
<b>Average Data</b>								
No spurious emissions were detected within 20 dB of the limit.								



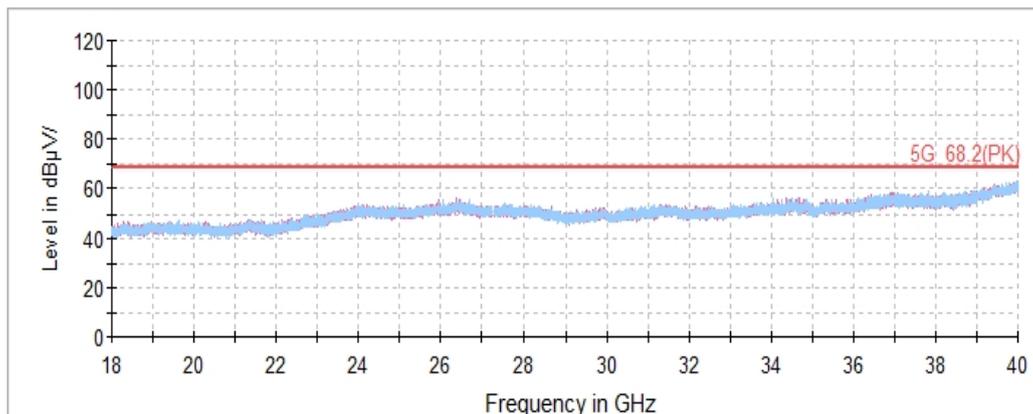
**Horizontal/Vertical for 1 GHz ~ 6.5 GHz**



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



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



**KCTL Inc.**

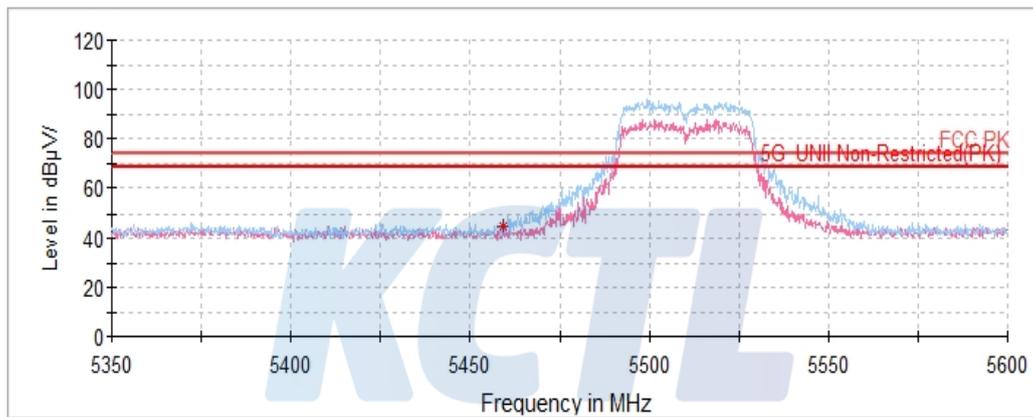
65, Sinwon-ro, Yeongtong-gu,  
Suwon-si, Gyeonggi-do, 16677, Korea  
TEL: 82-31-285-0894 FAX: 82-505-299-8311  
[www.kctl.co.kr](http://www.kctl.co.kr)

Report No.:  
KR19-SRF0077-A

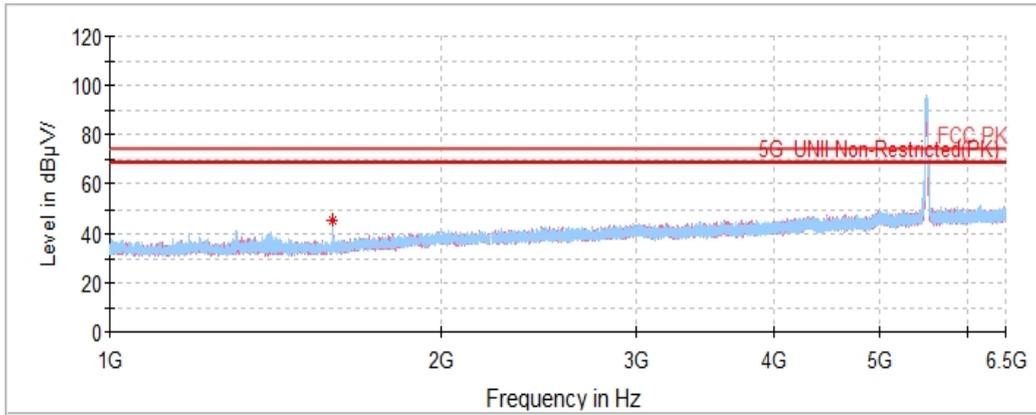
Page (211) of (267)

**KCTL****802.11n HT40 UNII-2C ANT 1****Lowest Channel (5 510 MHz)**

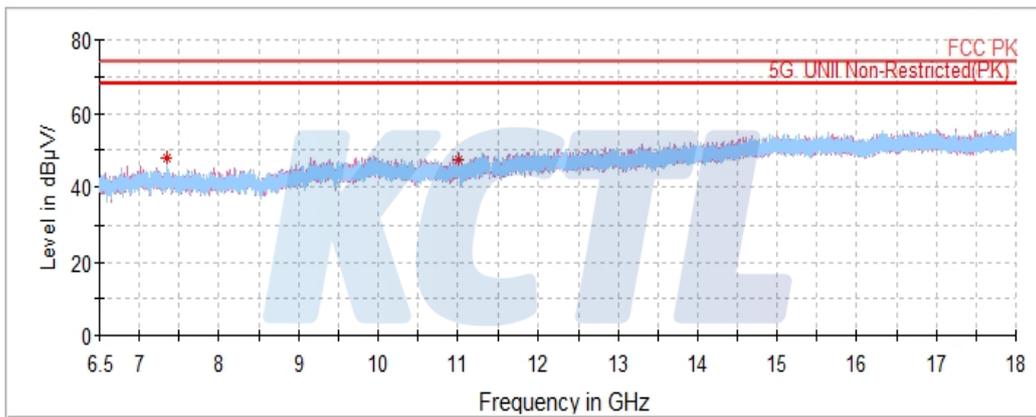
Frequency (MHz)	Pol. (V/H)	Reading (dB( $\mu$ V))	Ant. Factor (dB)	Amp.+Cable (dB)	DCCF (dB)	Result (dB( $\mu$ V/m))	Limit (dB( $\mu$ V/m))	Margin (dB)
<b>Peak data</b>								
5 459.13 <sup>1)</sup>	H	38.95	34.45	-28.64	-	44.76	74.00	29.24
11 019.86 <sup>1)</sup>	V	62.42	37.72	-52.91	-	47.23	74.00	26.77
<b>Average Data</b>								
No spurious emissions were detected within 20 dB of the limit.								

**Horizontal/Vertical for Band-edge**

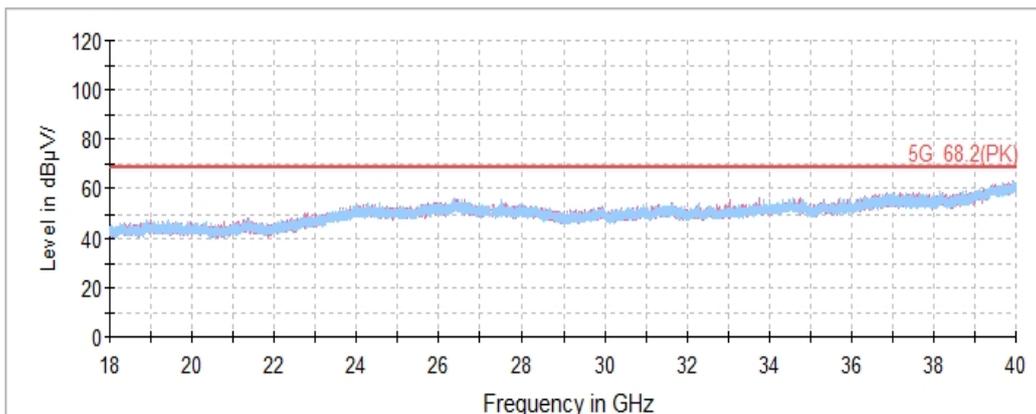
**Horizontal/Vertical for 1 GHz ~ 6.5 GHz**



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



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



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KR19-SRF0077-A

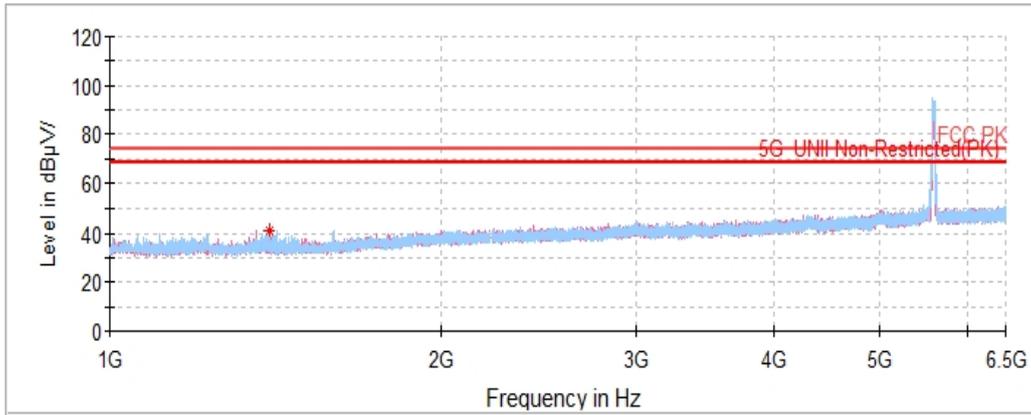
Page (213) of (267)

**KCTL****Middle Channel (5 590 MHz)**

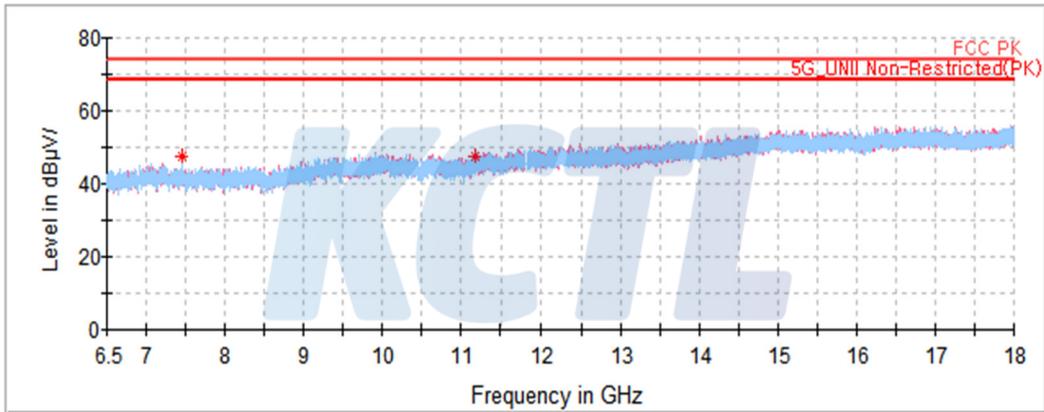
Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCCF	Result	Limit	Margin
(MHz)	(V/H)	(dB( $\mu V$ ))	(dB)	(dB)	(dB)	(dB( $\mu V/m$ ))	(dB( $\mu V/m$ ))	(dB)
<b>Peak data</b>								
11 188.77 <sup>1)</sup>	H	62.01	37.89	-52.40	-	47.50	74.00	26.50
<b>Average Data</b>								
No spurious emissions were detected within 20 dB of the limit.								

**KCTL**

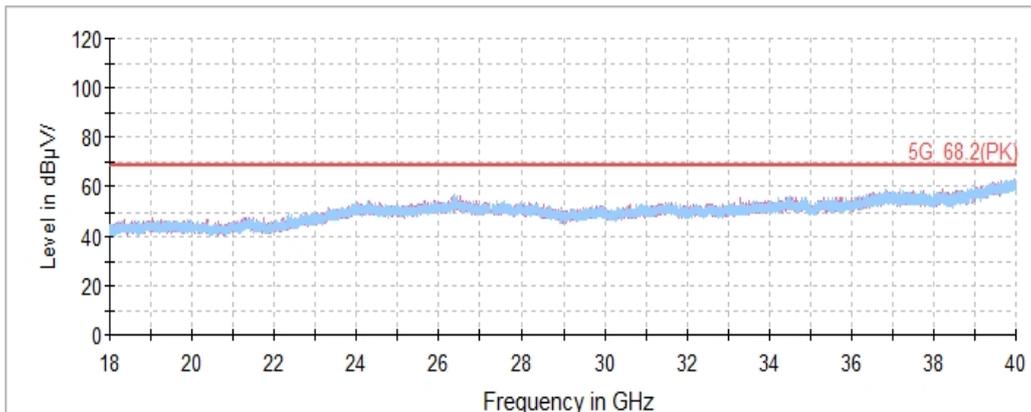
**Horizontal/Vertical for 1 GHz ~ 6.5 GHz**



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



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



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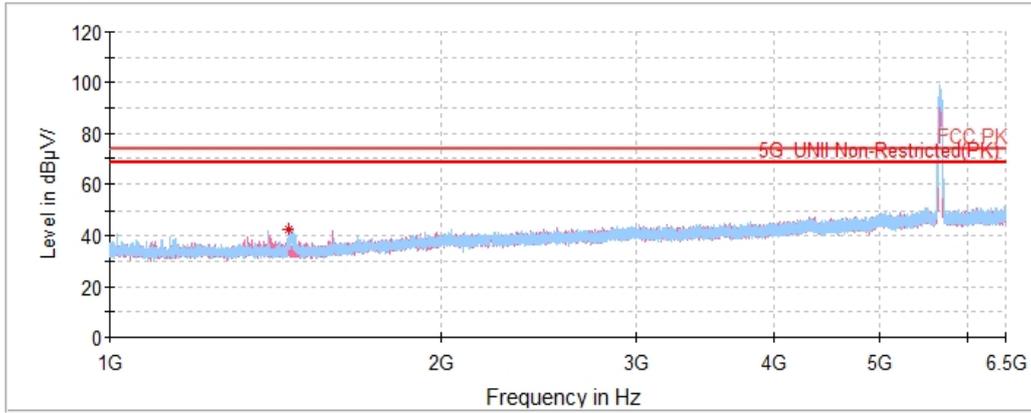
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**KCTL****Highest Channel (5 670 MHz)**

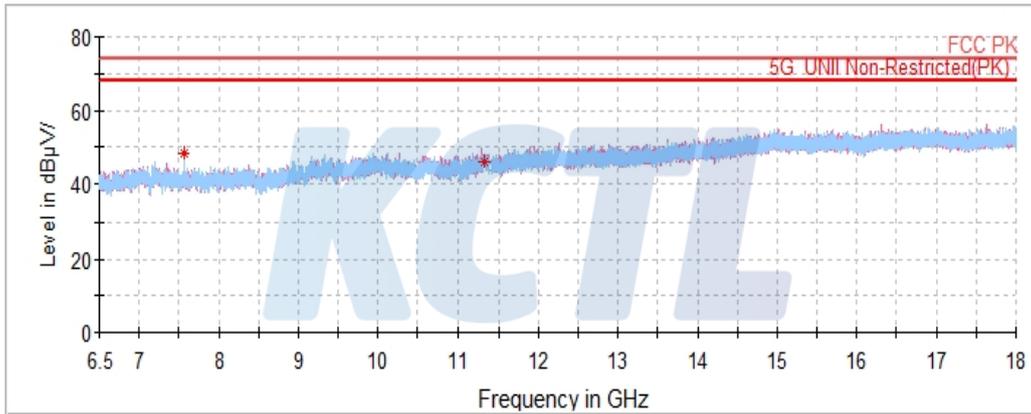
Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCCF	Result	Limit	Margin
(MHz)	(V/H)	(dB( $\mu V$ ))	(dB)	(dB)	(dB)	(dB( $\mu V/m$ ))	(dB( $\mu V/m$ ))	(dB)
<b>Peak data</b>								
11 340.06 <sup>1)</sup>	H	59.69	38.04	-51.95	-	45.78	74.00	28.22
<b>Average Data</b>								
No spurious emissions were detected within 20 dB of the limit.								

**KCTL**

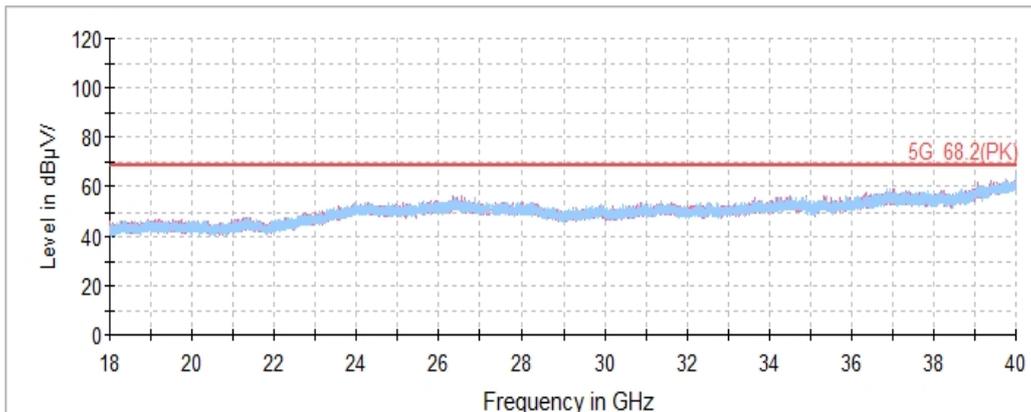
**Horizontal/Vertical for 1 GHz ~ 6.5 GHz**



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



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



**KCTL Inc.**

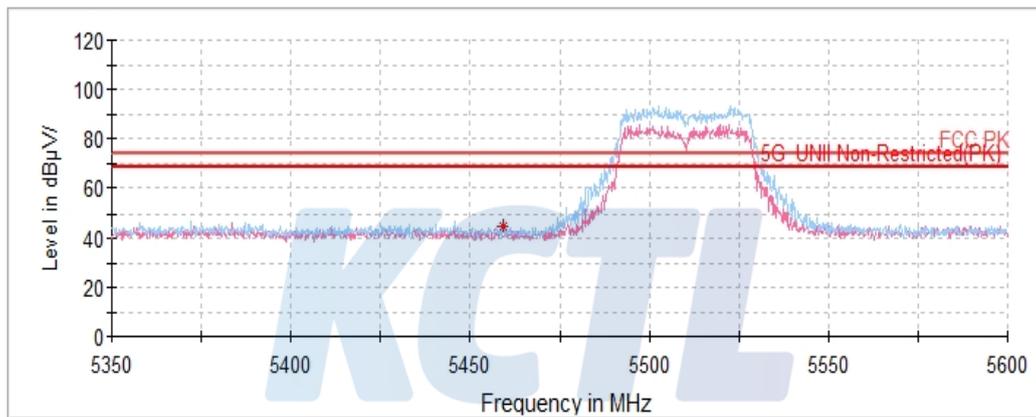
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TEL: 82-31-285-0894 FAX: 82-505-299-8311  
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KR19-SRF0077-A

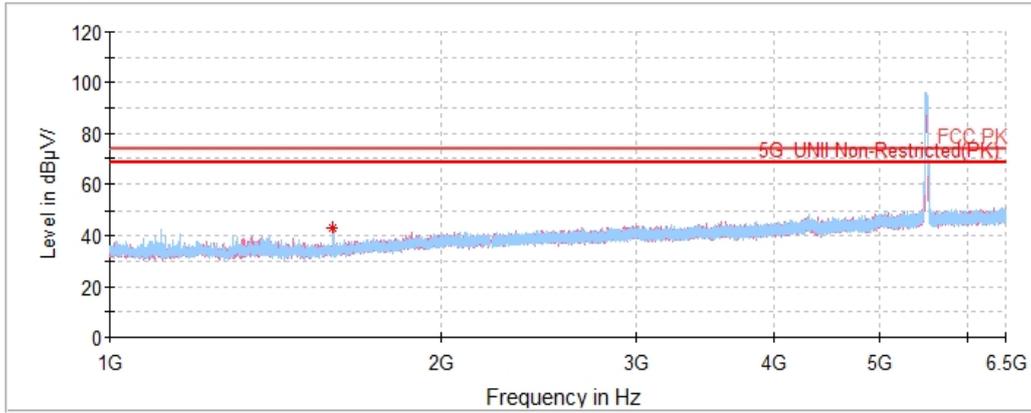
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**KCTL****802.11n HT40 UNII-2C MIMO****Lowest Channel (5 510 MHz)**

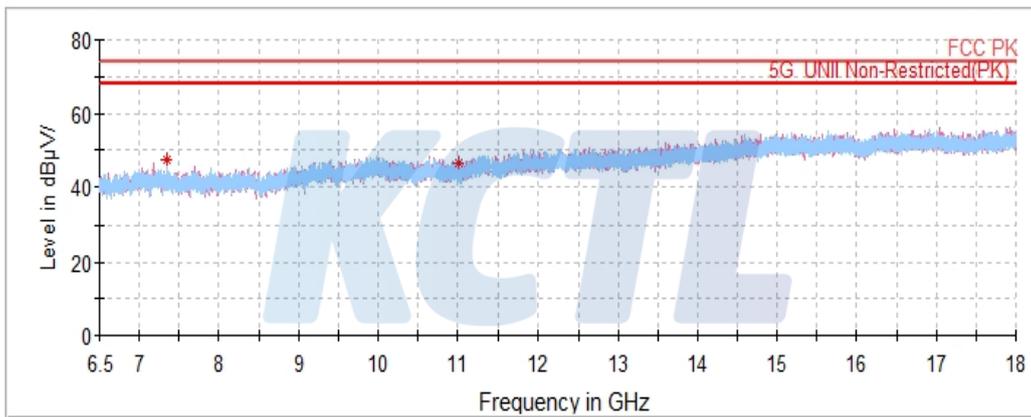
Frequency (MHz)	Pol. (V/H)	Reading (dB( $\mu$ V))	Ant. Factor (dB)	Amp.+Cable (dB)	DCCF (dB)	Result (dB( $\mu$ V/m))	Limit (dB( $\mu$ V/m))	Margin (dB)
<b>Peak data</b>								
5 459.13 <sup>1)</sup>	H	39.31	34.45	-28.64	-	45.12	74.00	28.88
11 020.94 <sup>1)</sup>	H	61.73	37.72	-52.90	-	46.55	74.00	27.45
<b>Average Data</b>								
No spurious emissions were detected within 20 dB of the limit.								

**Horizontal/Vertical for Band-edge**

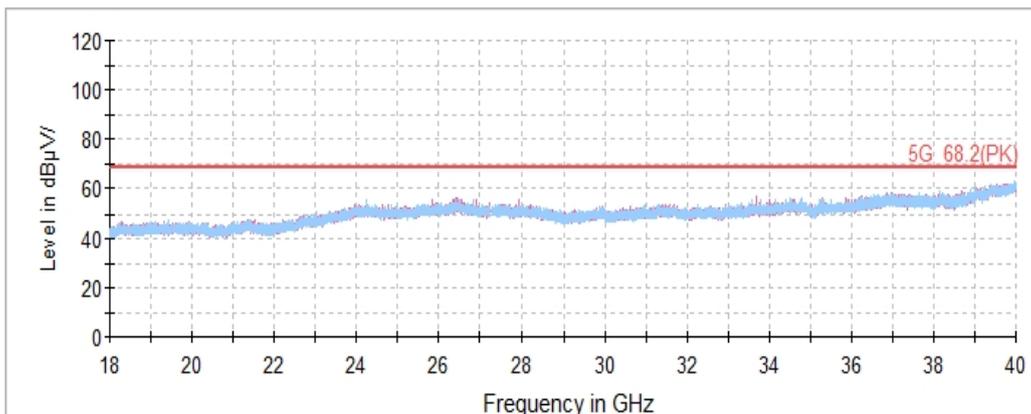
**Horizontal/Vertical for 1 GHz ~ 6.5 GHz**



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



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



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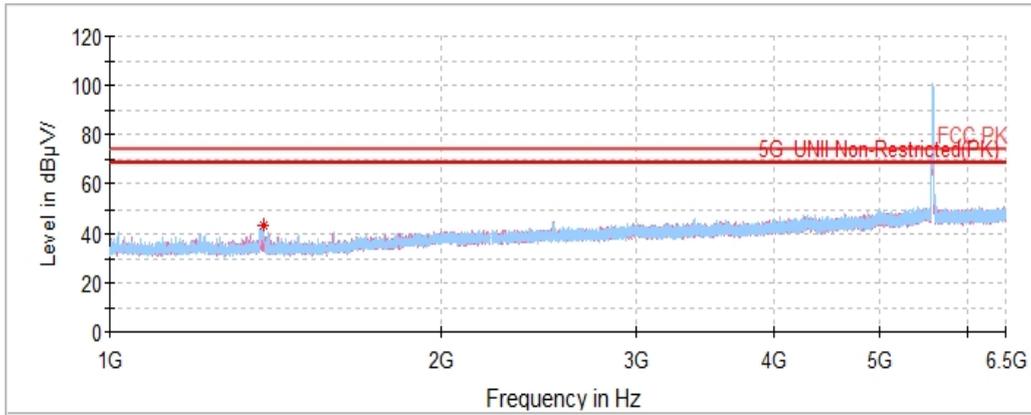
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**KCTL****Middle Channel (5 590 MHz)**

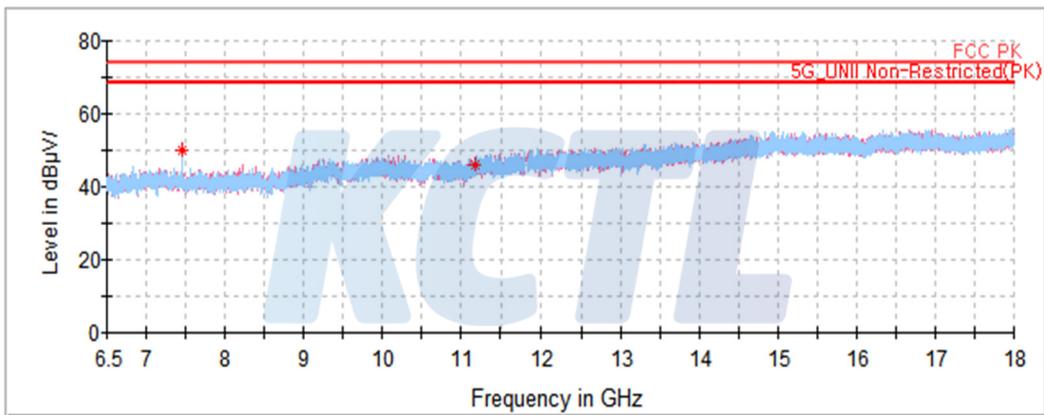
Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCCF	Result	Limit	Margin
(MHz)	(V/H)	(dB( $\mu V$ ))	(dB)	(dB)	(dB)	(dB( $\mu V/m$ ))	(dB( $\mu V/m$ ))	(dB)
<b>Peak data</b>								
11 180.14 <sup>1)</sup>	V	60.36	37.88	-52.43	-	45.81	74.00	28.19
<b>Average Data</b>								
No spurious emissions were detected within 20 dB of the limit.								

**KCTL**

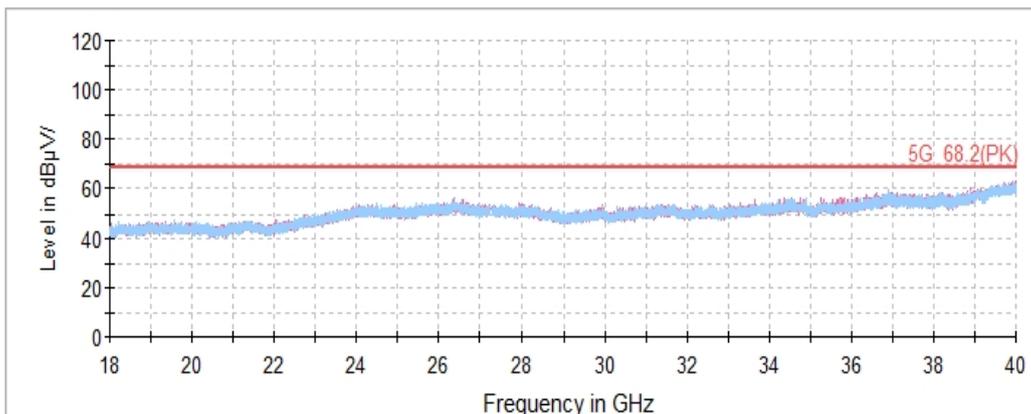
**Horizontal/Vertical for 1 GHz ~ 6.5 GHz**



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



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



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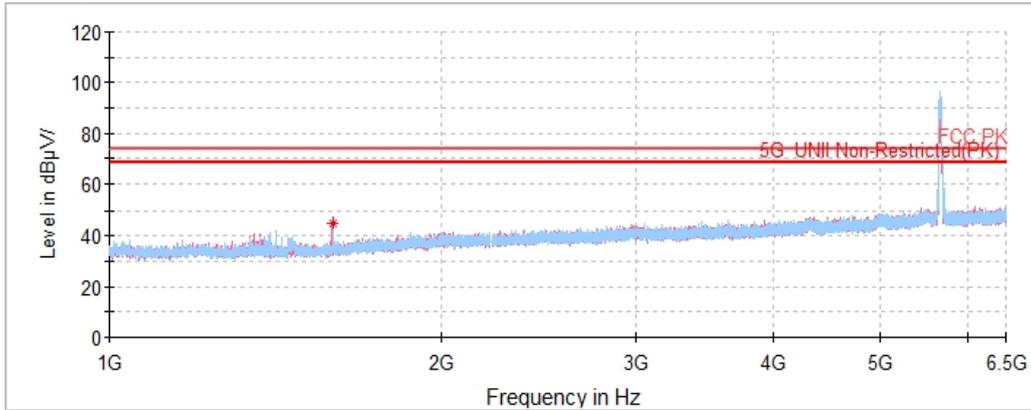
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**Highest Channel (5 670 MHz)**

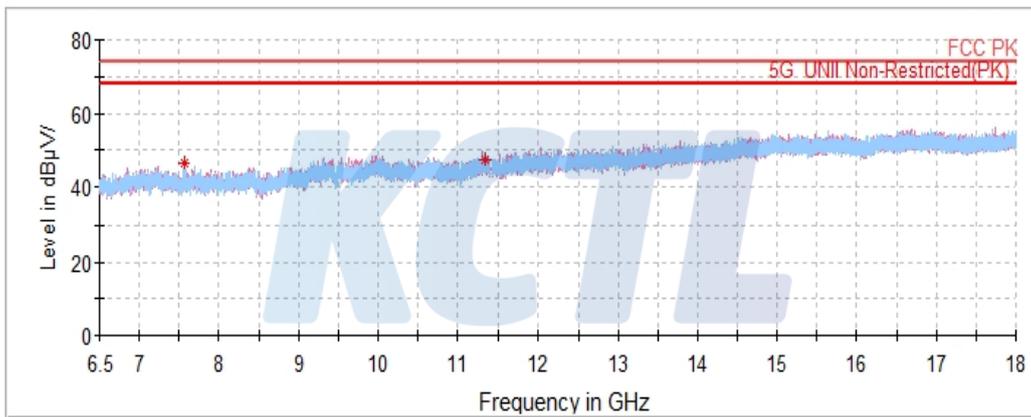
Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCCF	Result	Limit	Margin
(MHz)	(V/H)	(dB( $\mu V$ ))	(dB)	(dB)	(dB)	(dB( $\mu V/m$ ))	(dB( $\mu V/m$ ))	(dB)
<b>Peak data</b>								
11 339.34 <sup>1)</sup>	H	61.47	38.04	-51.95	-	47.56	74.00	26.44
<b>Average Data</b>								
No spurious emissions were detected within 20 dB of the limit.								



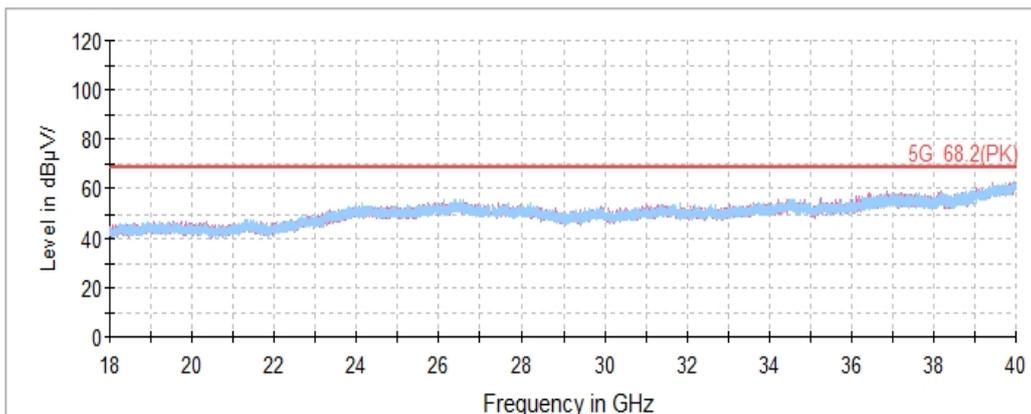
**Horizontal/Vertical for 1 GHz ~ 6.5 GHz**



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



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



**KCTL Inc.**

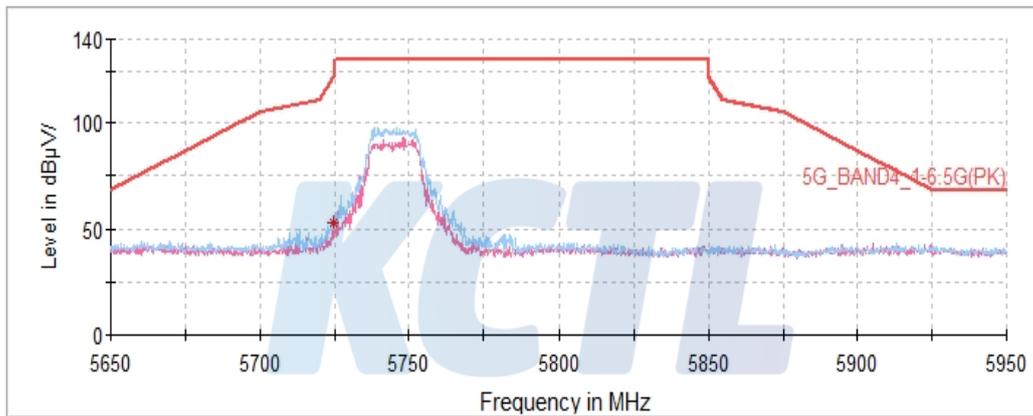
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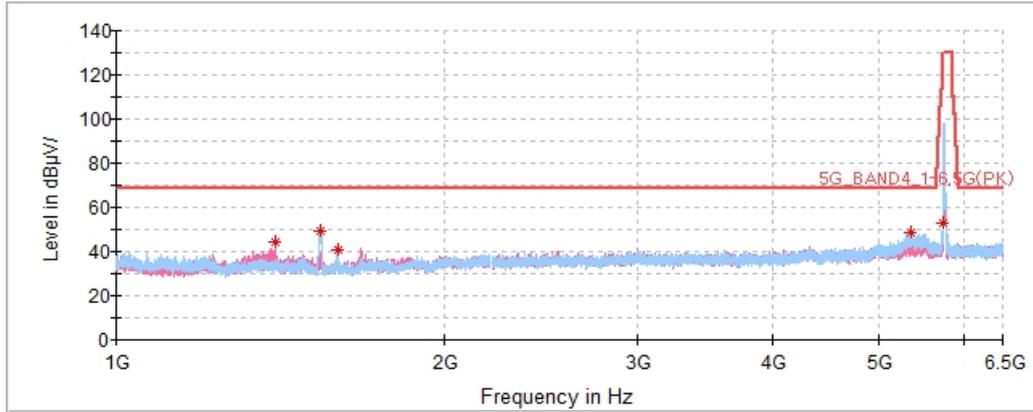
Page (223) of (267)

**KCTL****802.11a UNII-3 ANT 0****Lowest Channel (5 745 MHz)**

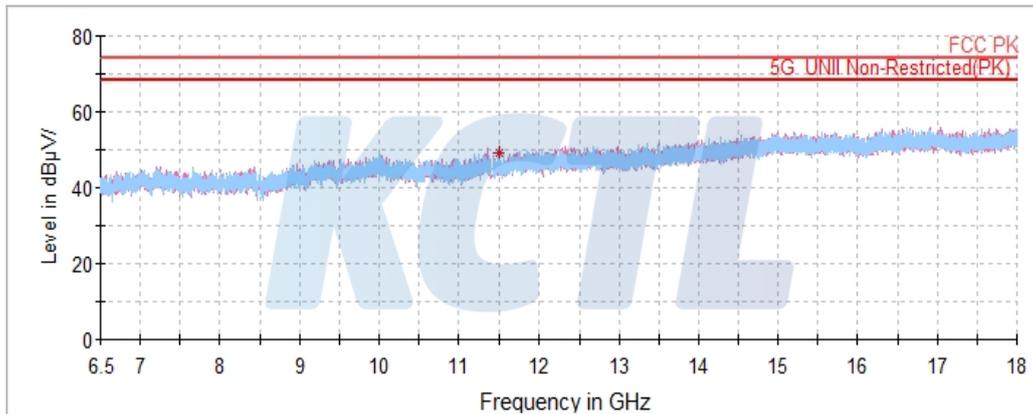
Frequency (MHz)	Pol. (V/H)	Reading (dB( $\mu$ V))	Ant. Factor (dB)	Amp.+Cable (dB)	DCCF (dB)	Result (dB( $\mu$ V/m))	Limit (dB( $\mu$ V/m))	Margin (dB)
<b>Peak data</b>								
5 724.67	H	51.74	34.77	-33.43	-	53.08	121.45	68.37
11 491.00 <sup>1)</sup>	V	62.44	38.19	-51.50	-	49.13	74.00	24.87
<b>Average Data</b>								
No spurious emissions were detected within 20 dB of the limit.								

**Horizontal/Vertical for Band-edge**

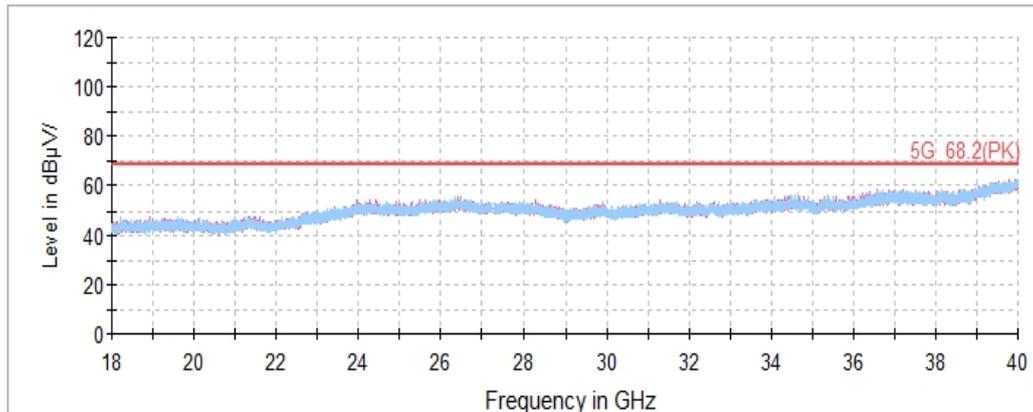
**Horizontal/Vertical for 1 GHz ~ 6.5 GHz**



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



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



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KR19-SRF0077-A

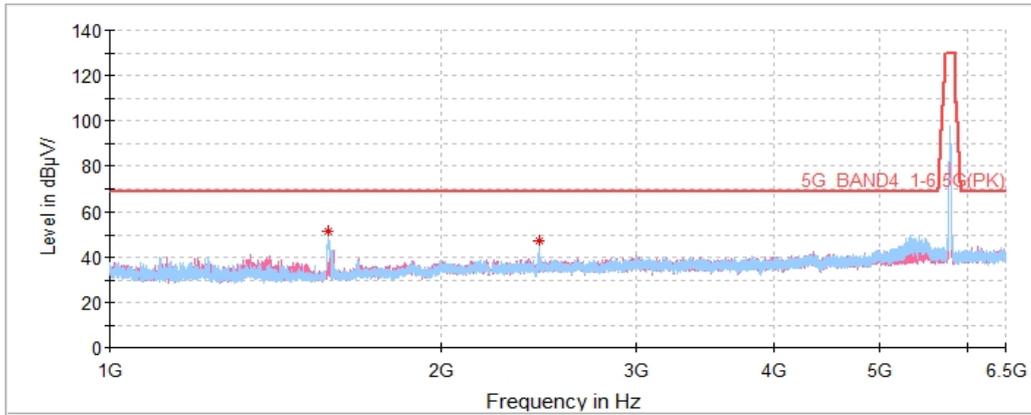
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**KCTL****Middle Channel (5 785 MHz)**

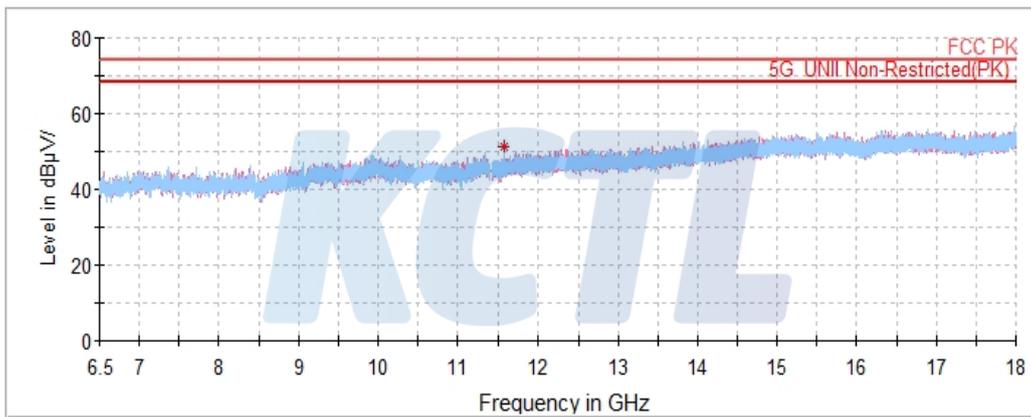
Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCCF	Result	Limit	Margin
(MHz)	(V/H)	(dB( $\mu$ V))	(dB)	(dB)	(dB)	(dB( $\mu$ V/m))	(dB( $\mu$ V/m))	(dB)
<b>Peak data</b>								
11 569.34 <sup>1)</sup>	V	64.24	38.28	-51.43	-	51.09	74.00	22.91
<b>Average Data</b>								
No spurious emissions were detected within 20 dB of the limit.								

**KCTL**

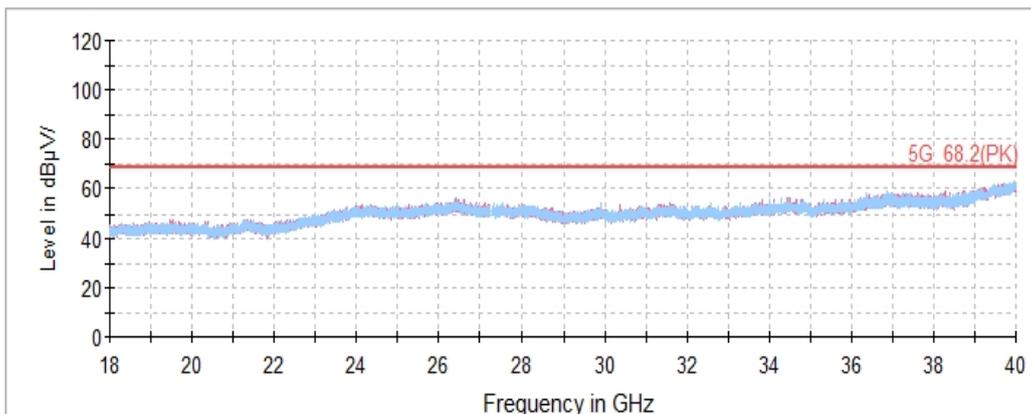
**Horizontal/Vertical for 1 GHz ~ 6.5 GHz**



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



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



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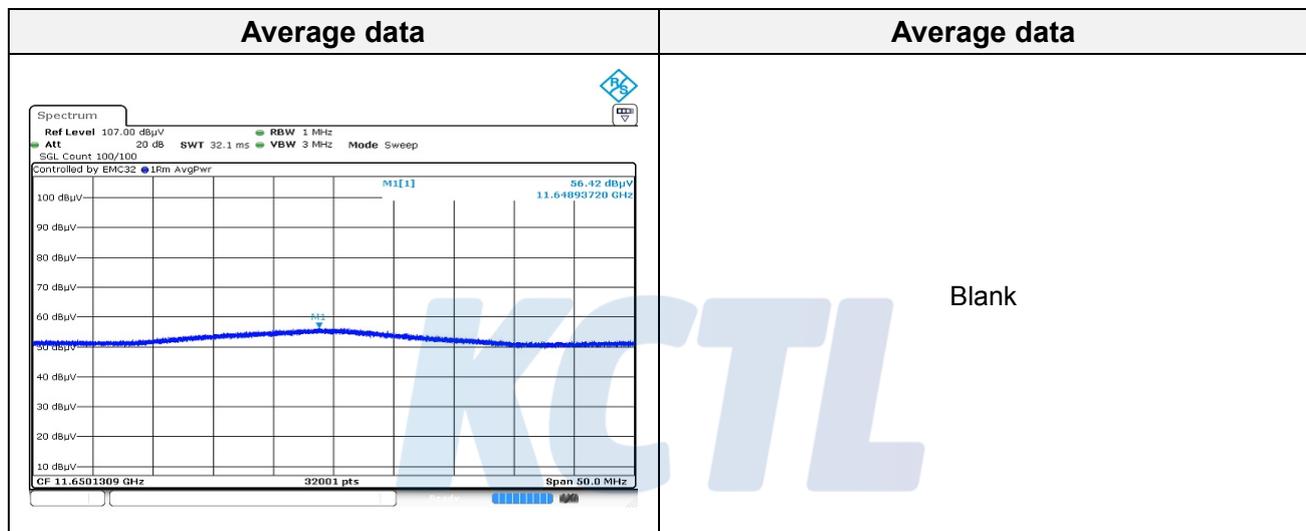
Report No.:  
 KR19-SRF0077-A

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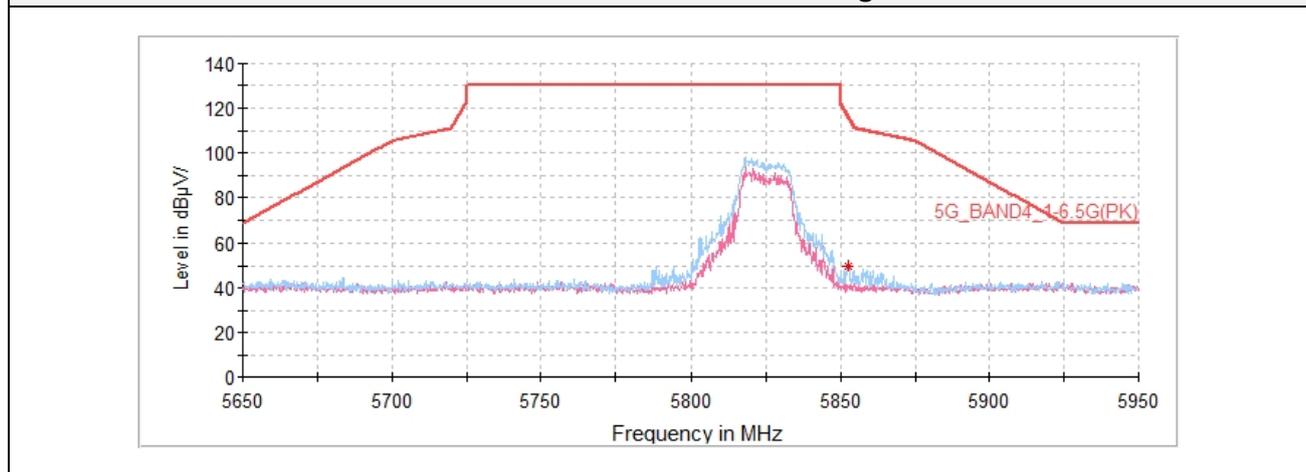


## Highest Channel (5 825 MHz)

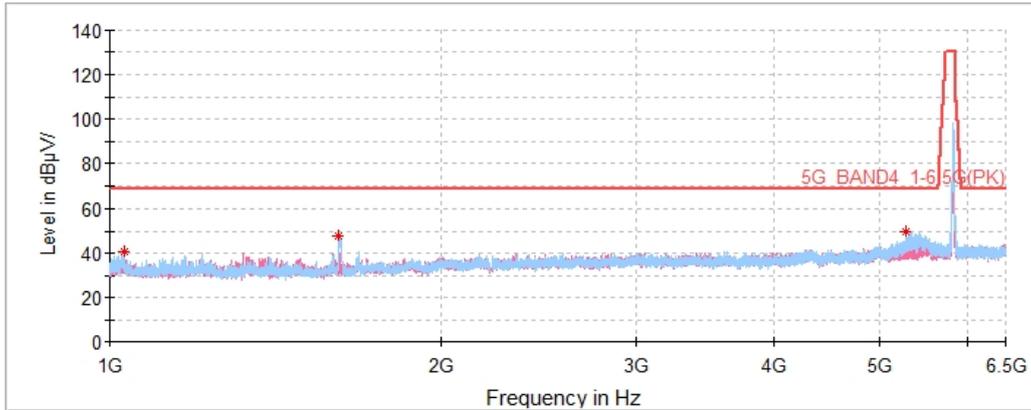
Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCCF	Result	Limit	Margin
(MHz)	(V/H)	(dB(μV))	(dB)	(dB)	(dB)	(dB(μV/m))	(dB(μV/m))	(dB)
<b>Peak data</b>								
5 281.23	H	49.79	34.24	-34.24	-	49.79	68.20	18.41
5 852.72	H	47.90	34.92	-33.20	-	49.62	116.00	66.38
11 648.94 <sup>1)</sup>	V	67.44	38.38	-51.38	-	54.44	74.00	19.56
<b>Average Data</b>								
11 648.94 <sup>1)</sup>	V	56.42	38.38	-51.38	0.11	43.53	54.00	10.47



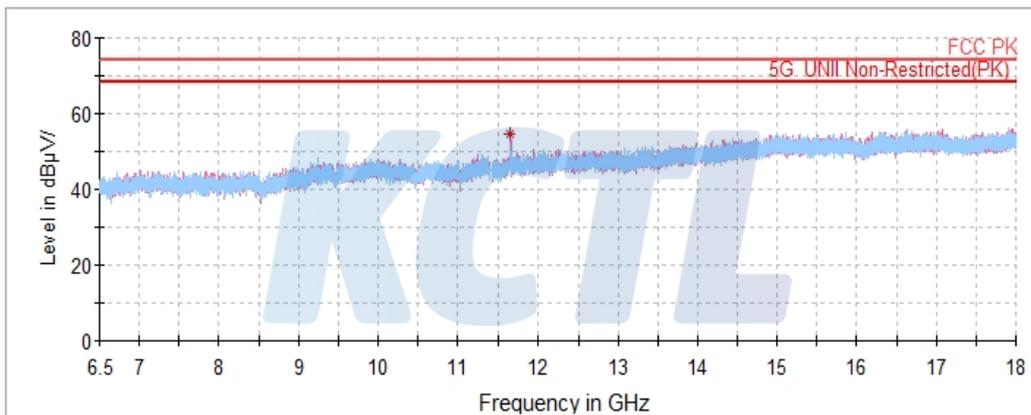
## Horizontal/Vertical for Band-edge



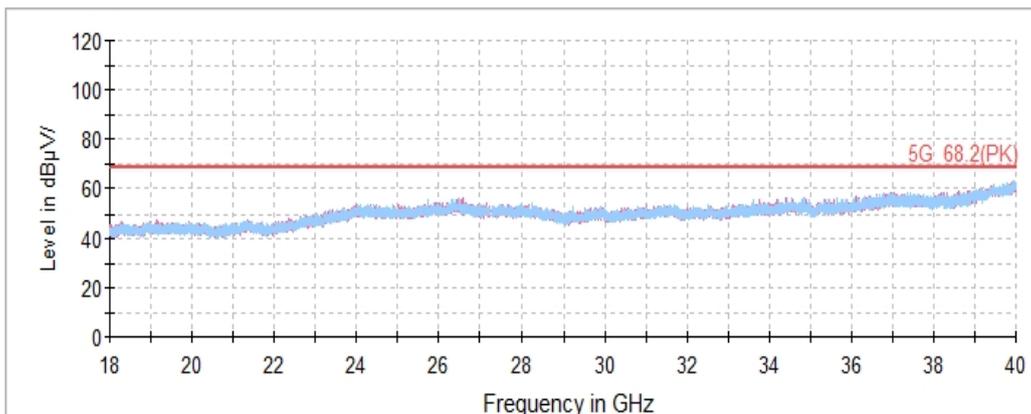
**Horizontal/Vertical for 1 GHz ~ 6.5 GHz**



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



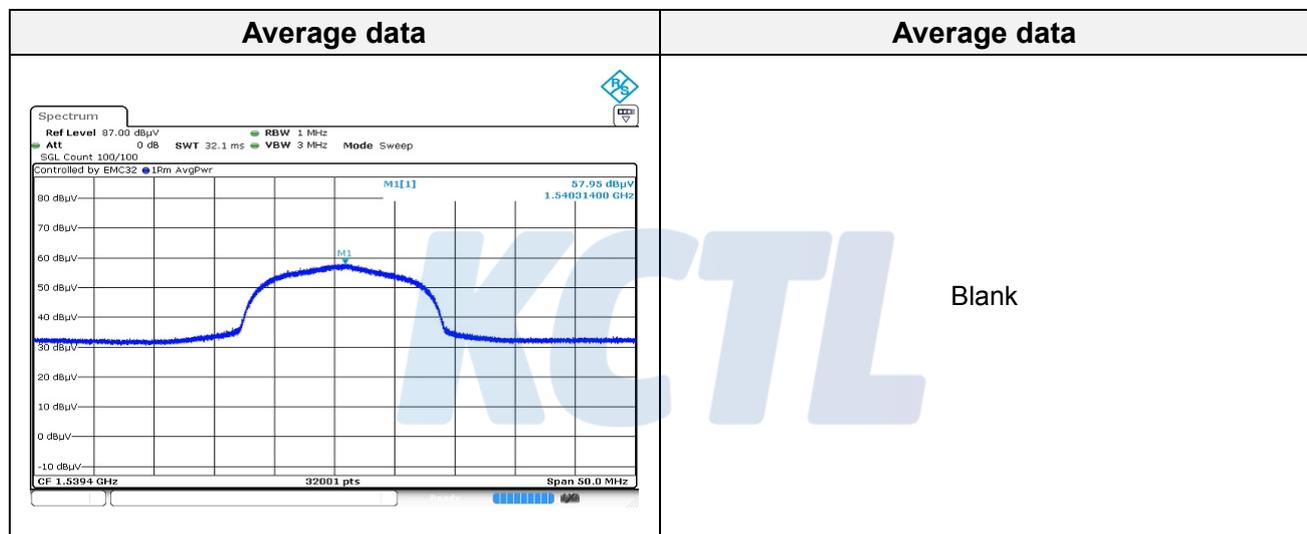
**Horizontal/Vertical for 18 GHz ~ 40 GHz**



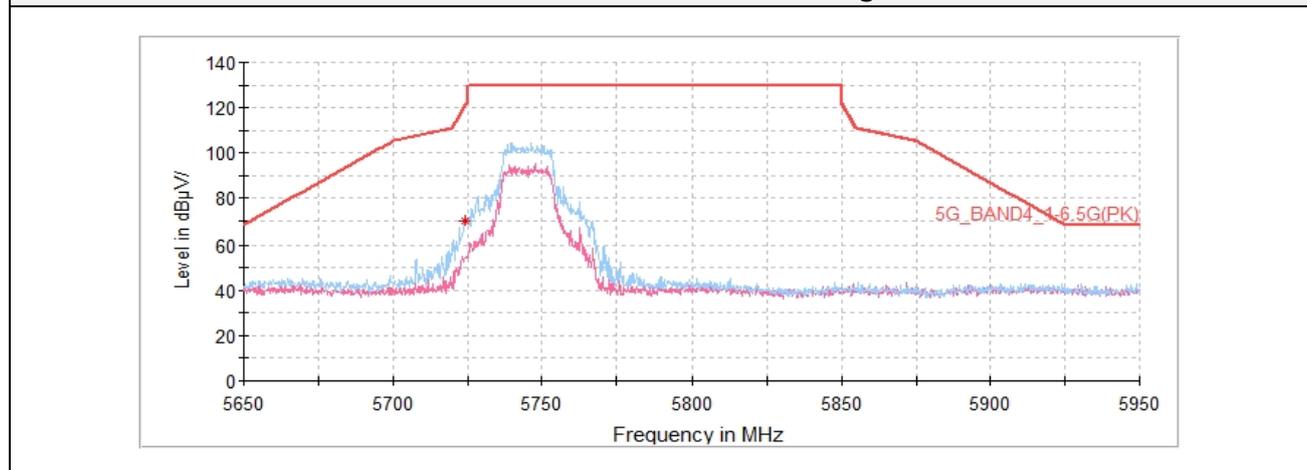
**802.11a UNII 3 ANT1**

**Lowest Channel (5 745 MHz)**

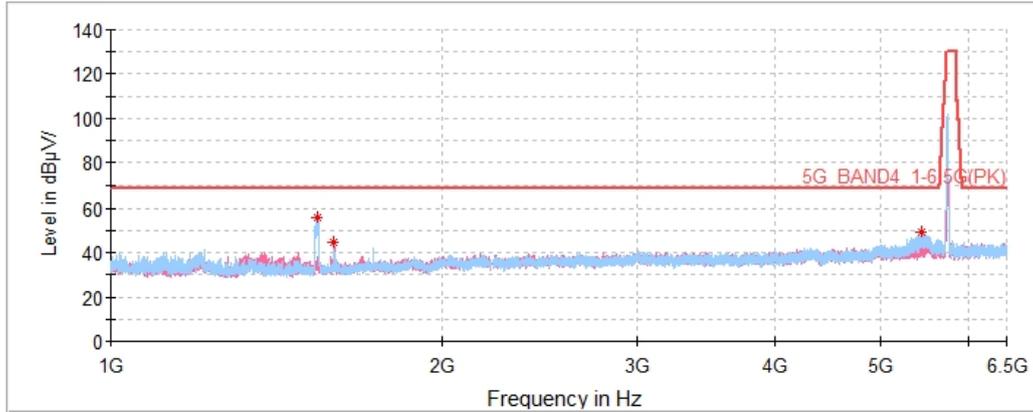
Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCCF	Result	Limit	Margin
(MHz)	(V/H)	(dB(μV))	(dB)	(dB)	(dB)	(dB(μV/m))	(dB(μV/m))	(dB)
<b>Peak data</b>								
1 540.31 <sup>1)</sup>	H	64.14	28.30	-36.72	-	55.72	74.00	18.28
5 724.33	H	68.87	34.77	-33.43	-	70.21	120.67	50.46
11 569.34 <sup>1)</sup>	H	59.43	38.28	-51.43	-	46.28	74.00	27.72
<b>Average Data</b>								
1 540.31 <sup>1)</sup>	H	57.95	28.30	-36.72	0.11	49.64	54.00	4.36



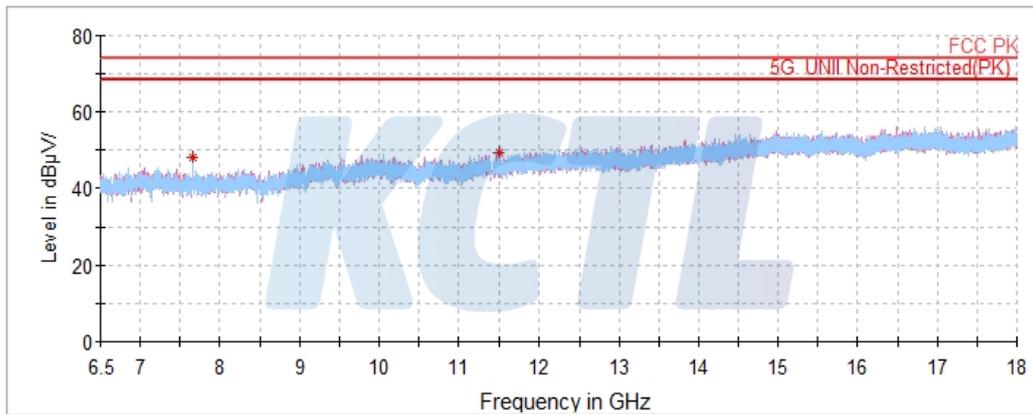
**Horizontal/Vertical for Band-edge**



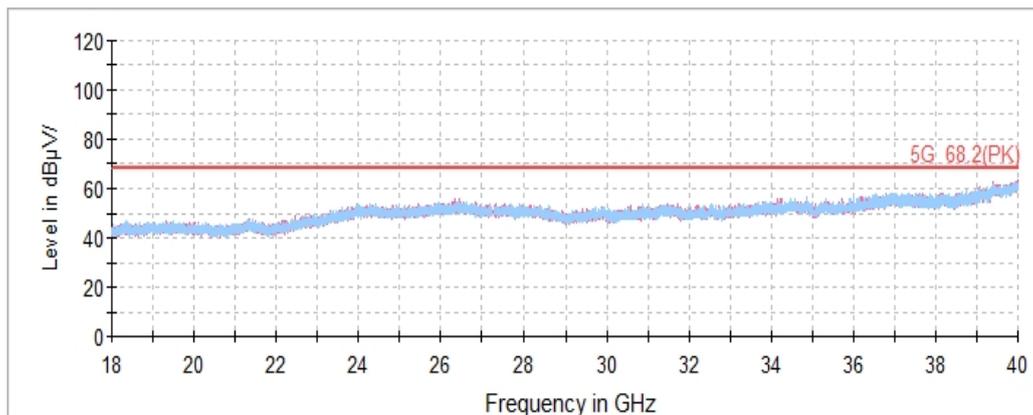
**Horizontal/Vertical for 1 GHz ~ 6.5 GHz**



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



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



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Report No.:  
KR19-SRF0077-A

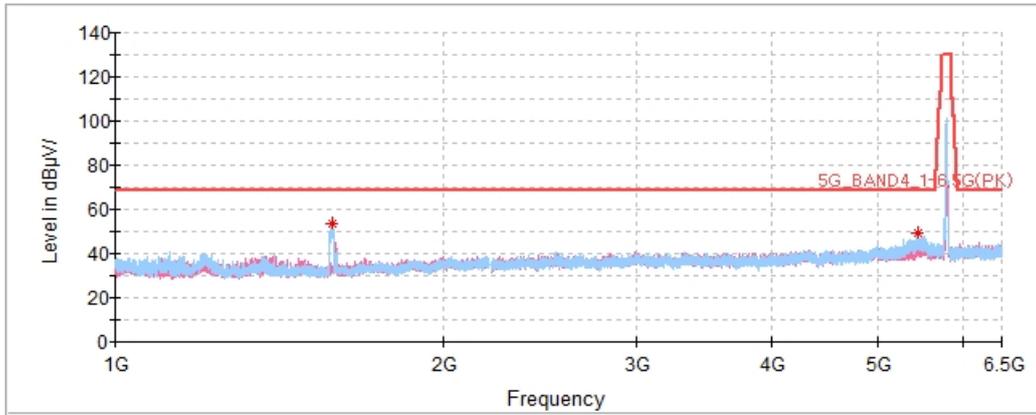
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**Middle Channel (5 785 MHz)**

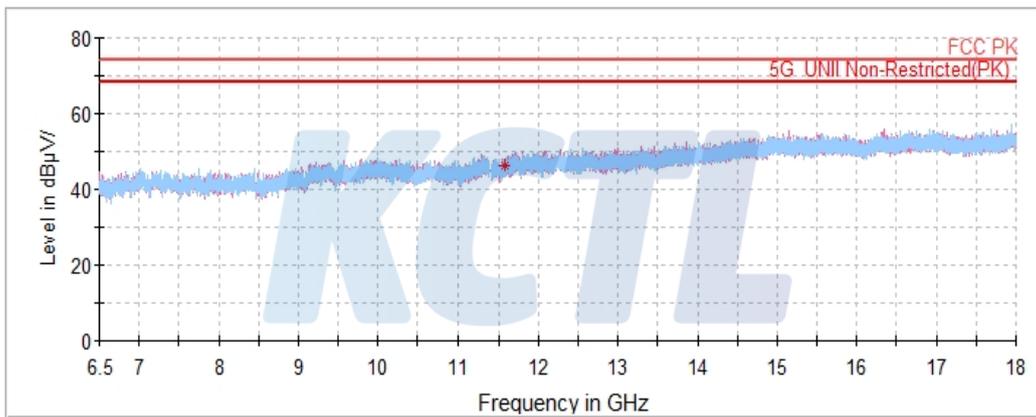
Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCCF	Result	Limit	Margin
(MHz)	(V/H)	(dB( $\mu V$ ))	(dB)	(dB)	(dB)	(dB( $\mu V/m$ ))	(dB( $\mu V/m$ ))	(dB)
<b>Peak data</b>								
11 569.34 <sup>1)</sup>	H	59.43	38.28	-51.43	-	46.28	74.00	27.72
<b>Average Data</b>								
No spurious emissions were detected within 20 dB of the limit.								



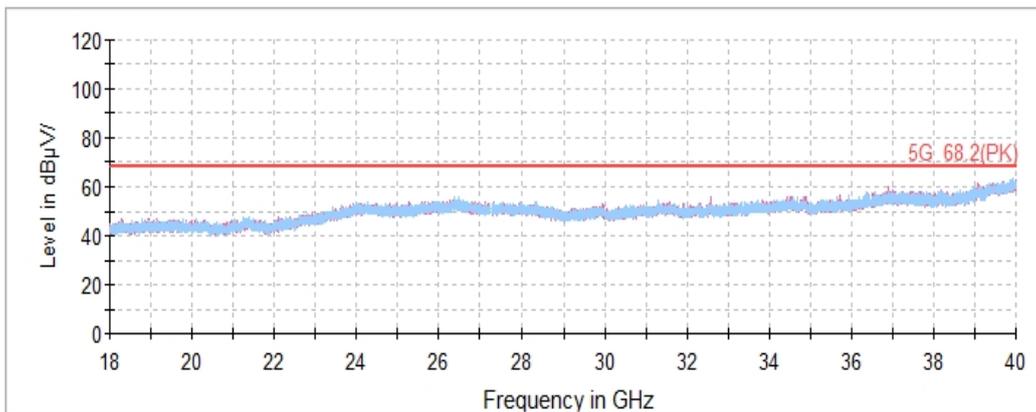
**Horizontal/Vertical for 1 GHz ~ 6.5 GHz**



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



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



# KCTL Inc.

65, Sinwon-ro, Yeongtong-gu,  
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TEL: 82-31-285-0894 FAX: 82-505-299-8311  
[www.kctl.co.kr](http://www.kctl.co.kr)

Report No.:  
KR19-SRF0077-A

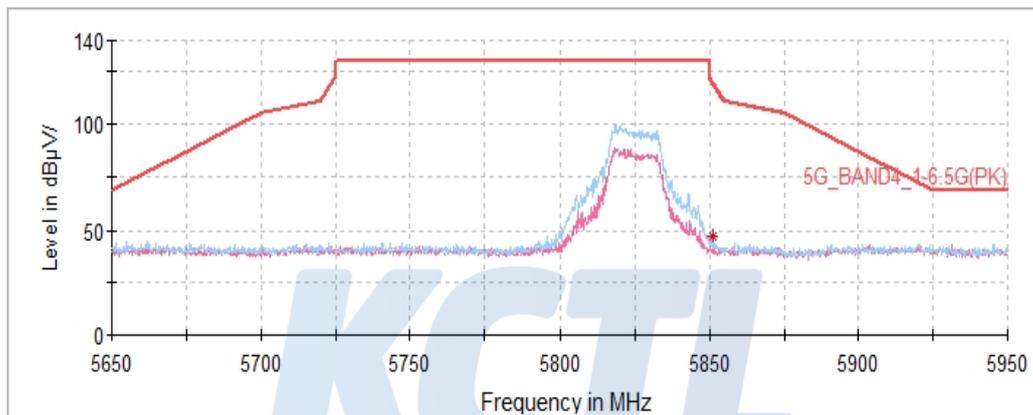
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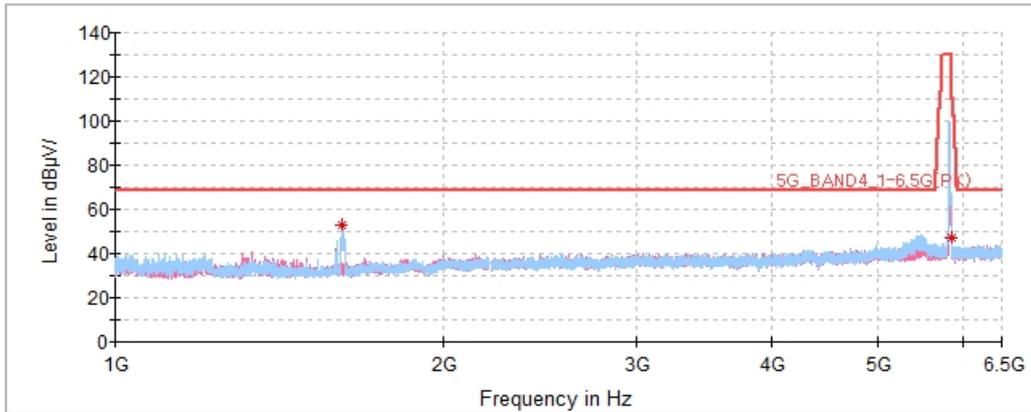
## Highest Channel (5 825 MHz)

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>								
5 851.00	H	45.70	34.92	-33.19	-	47.43	119.92	72.49
11 649.48 <sup>1)</sup>	V	60.47	38.38	-51.38	-	47.47	74.00	26.53
<b>Average Data</b>								
No spurious emissions were detected within 20 dB of the limit.								

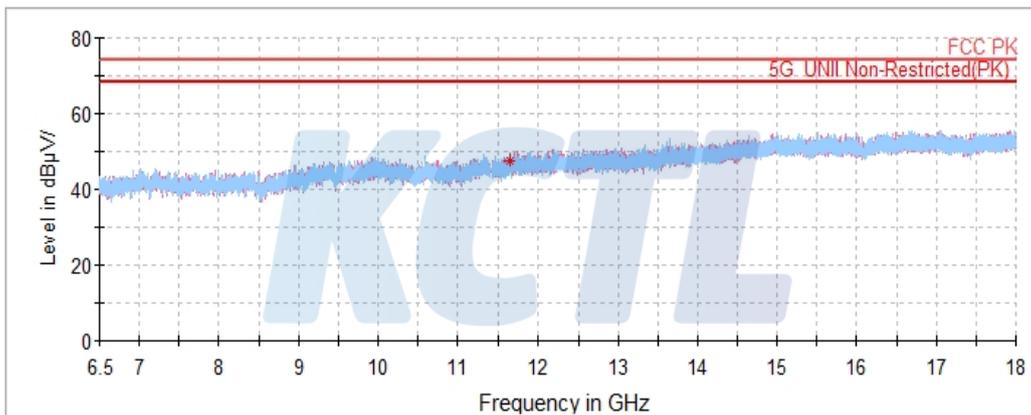
## Horizontal/Vertical for Band-edge



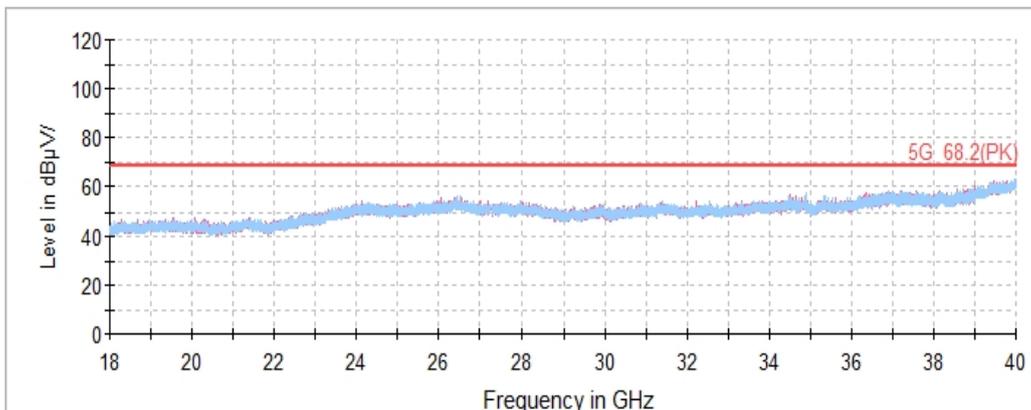
**Horizontal/Vertical for 1 GHz ~ 6.5 GHz**



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



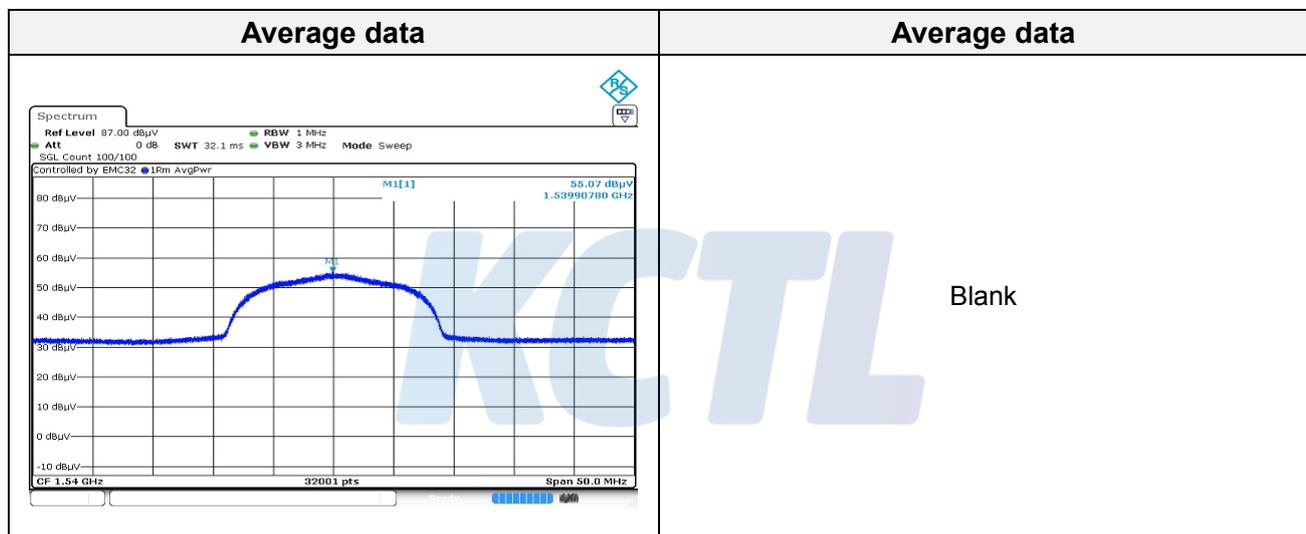
**Horizontal/Vertical for 18 GHz ~ 40 GHz**



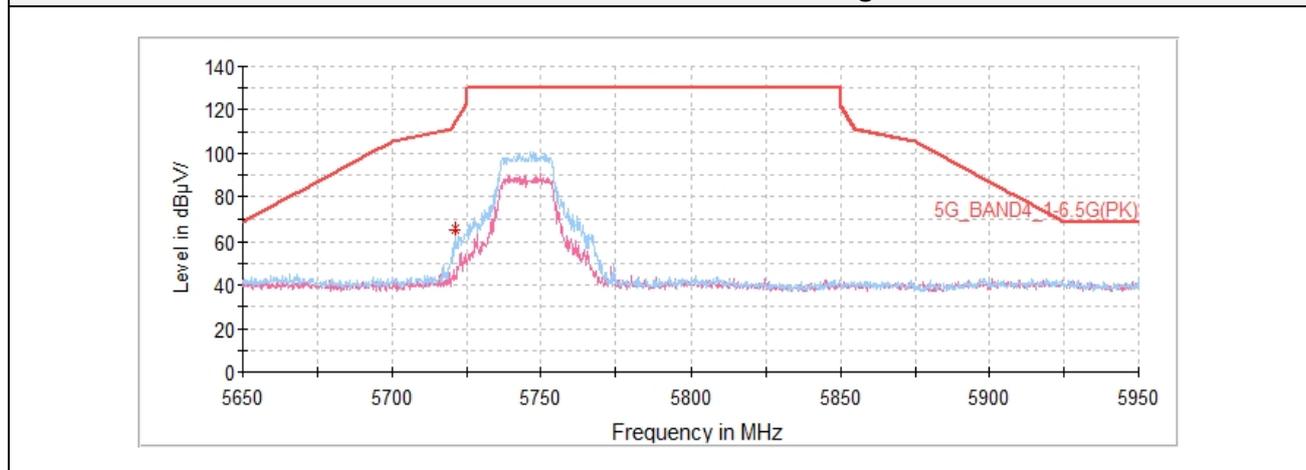
**802.11n HT20 UNII-3 ANT 0**

**Lowest Channel (5 745 MHz)**

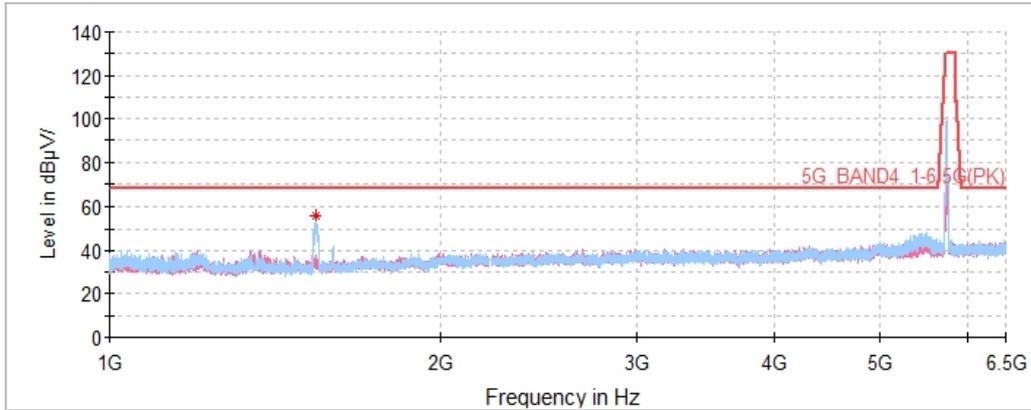
Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCCF	Result	Limit	Margin
(MHz)	(V/H)	(dB(μV))	(dB)	(dB)	(dB)	(dB(μV/m))	(dB(μV/m))	(dB)
<b>Peak data</b>								
1 539.91 <sup>1)</sup>	H	64.50	28.30	-36.72	-	56.08	74.00	17.92
5 721.23	H	64.21	34.77	-33.46	-	65.52	113.61	48.09
11 491.00 <sup>1)</sup>	V	59.96	38.19	-51.50	-	46.65	74.00	27.35
<b>Average Data</b>								
1 539.91 <sup>1)</sup>	H	55.07	28.30	-36.72	0.10	46.75	54.00	7.25



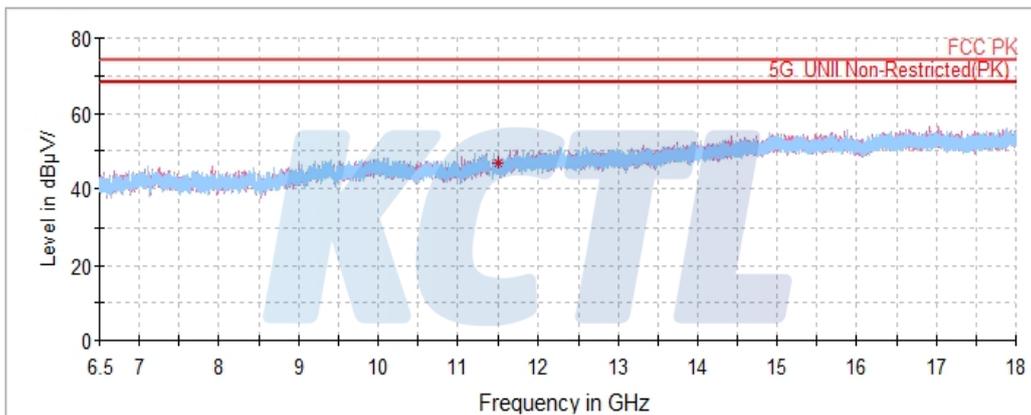
**Horizontal/Vertical for Band-edge**



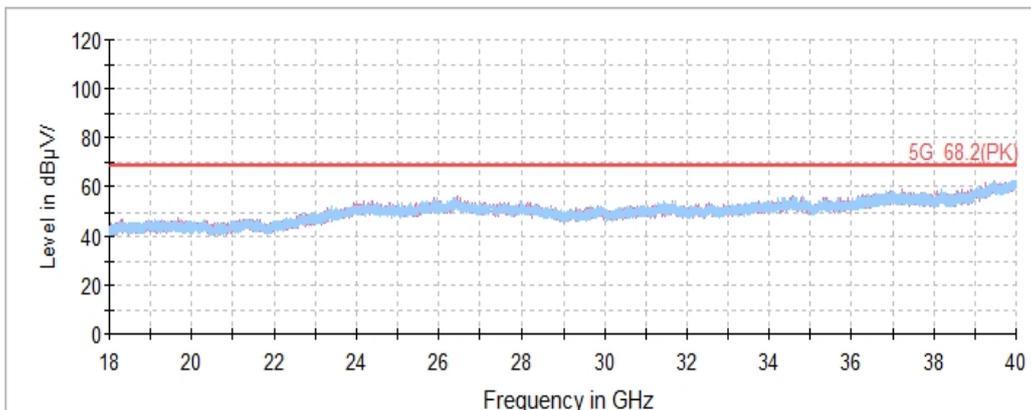
**Horizontal/Vertical for 1 GHz ~ 6.5 GHz**



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



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



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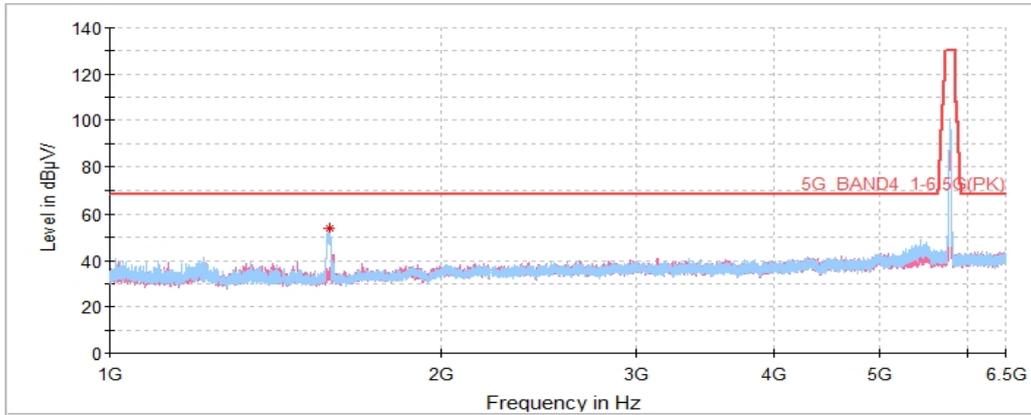
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**KCTL****Middle Channel (5 785 MHz)**

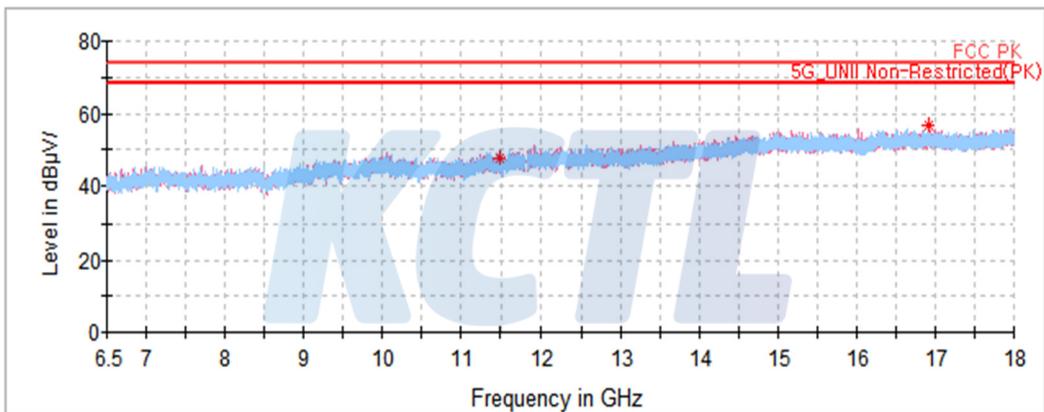
Frequency (MHz)	Pol. (V/H)	Reading (dB( $\mu$ V))	Ant. Factor (dB)	Amp.+Cable (dB)	DCCF (dB)	Result (dB( $\mu$ V/m))	Limit (dB( $\mu$ V/m))	Margin (dB)
<b>Peak data</b>								
11 490.28 <sup>1)</sup>	V	60.75	38.19	-51.50	-	47.44	74.00	26.56
16 914.33	H	63.46	42.08	-48.69	-	56.85	68.20	11.35
<b>Average Data</b>								
No spurious emissions were detected within 20 dB of the limit.								

**KCTL**

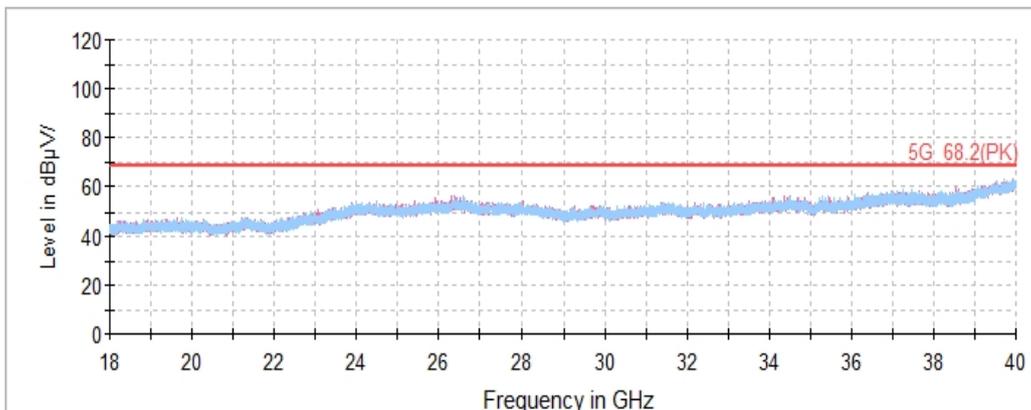
**Horizontal/Vertical for 1 GHz ~ 6.5 GHz**



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



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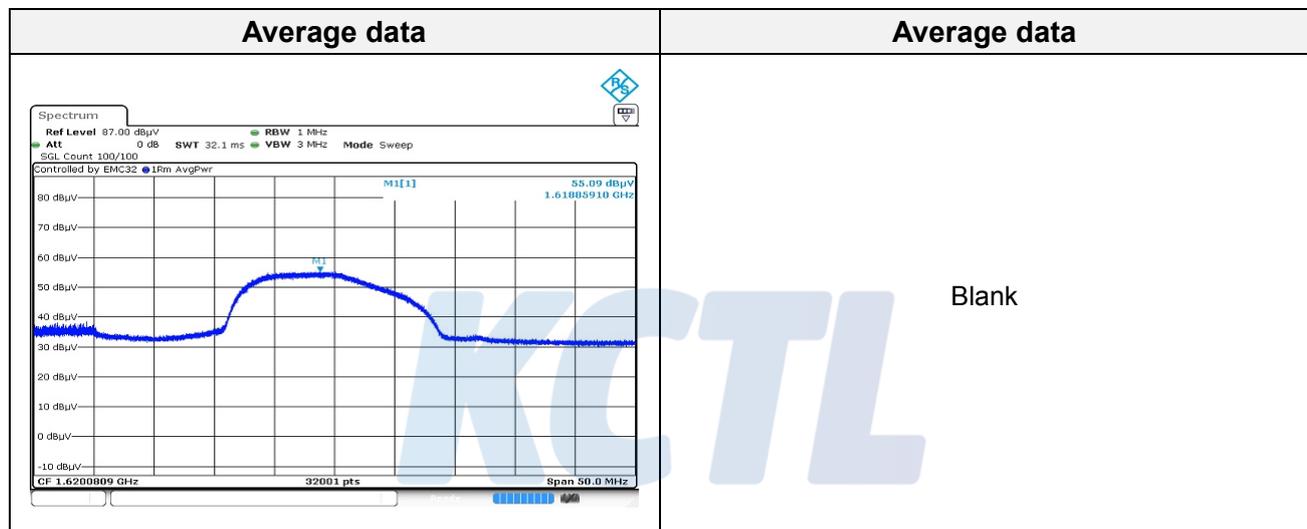
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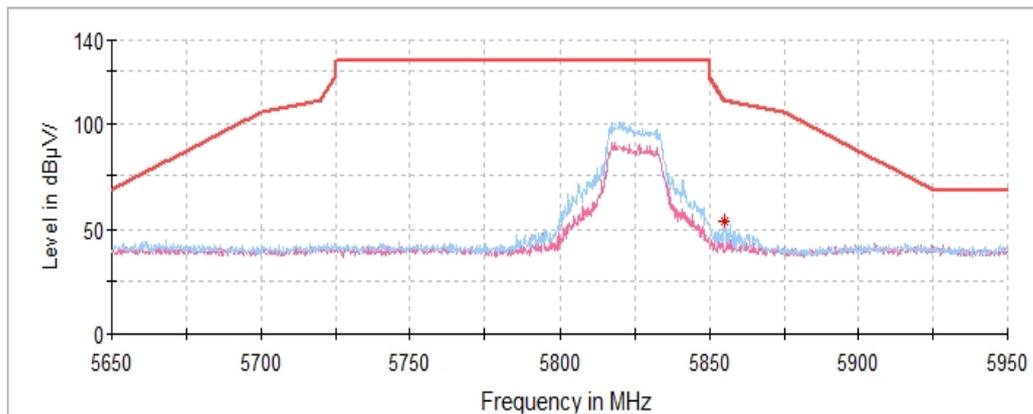


## Highest Channel (5 825 MHz)

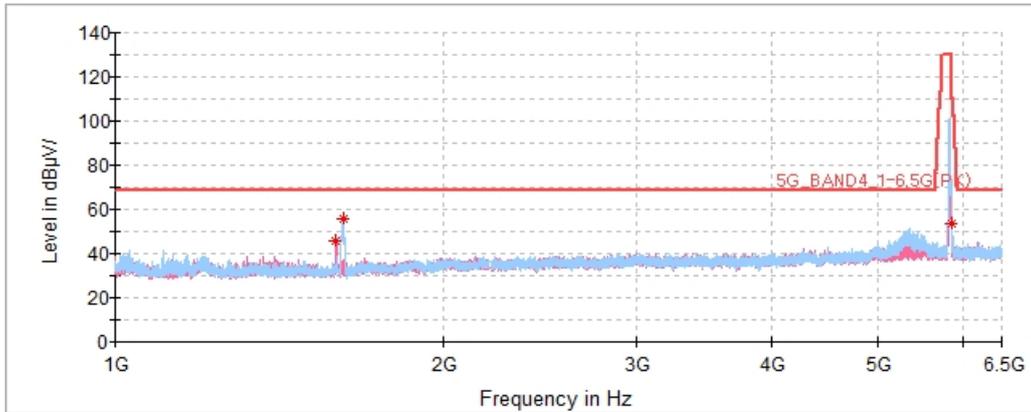
Frequency	Pol.	Reading	Amp. + Cable	Antenna Factor	DCCF	Result	Limit	Margin
(MHz)	(V/H)	(dB(μV))	(dB)	(dB)	(dB)	(dB(μV/m))	(dB(μV/m))	(dB)
<b>Peak data</b>								
1 618.86 <sup>1)</sup>	H	63.54	28.88	-36.77	-	55.65	74.00	18.35
5 855.13	H	51.93	34.93	-33.22	-	53.64	110.77	57.13
11 648.05 <sup>1)</sup>	V	61.50	38.38	-51.38	-	48.50	74.00	25.50
<b>Average Data</b>								
1 618.86 <sup>1)</sup>	H	55.09	28.88	-36.77	0.10	47.30	54.00	6.70



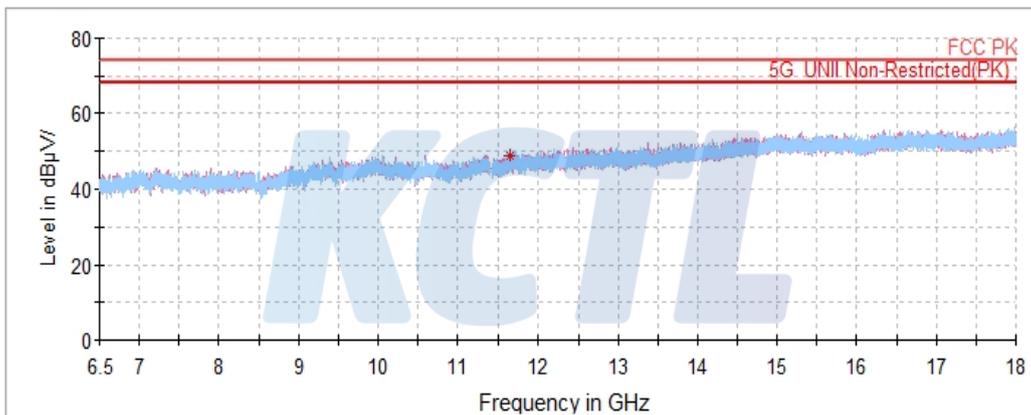
## Horizontal/Vertical for Band-edge



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



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



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

