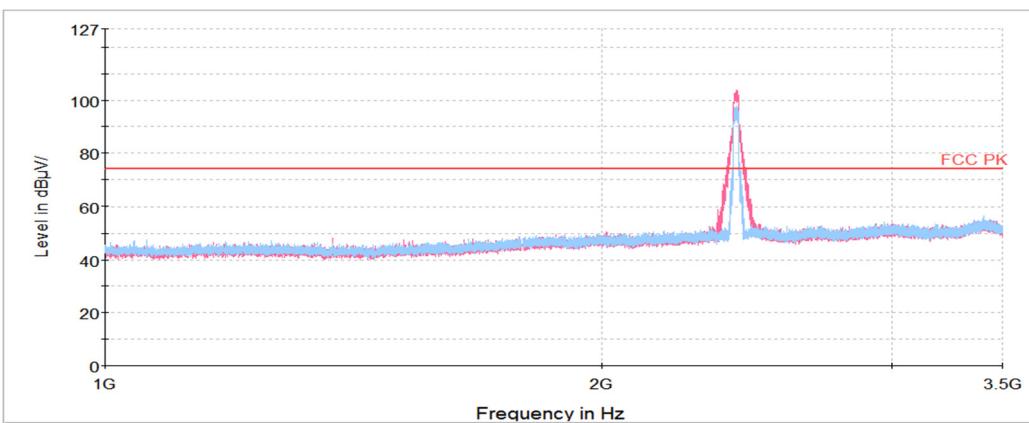
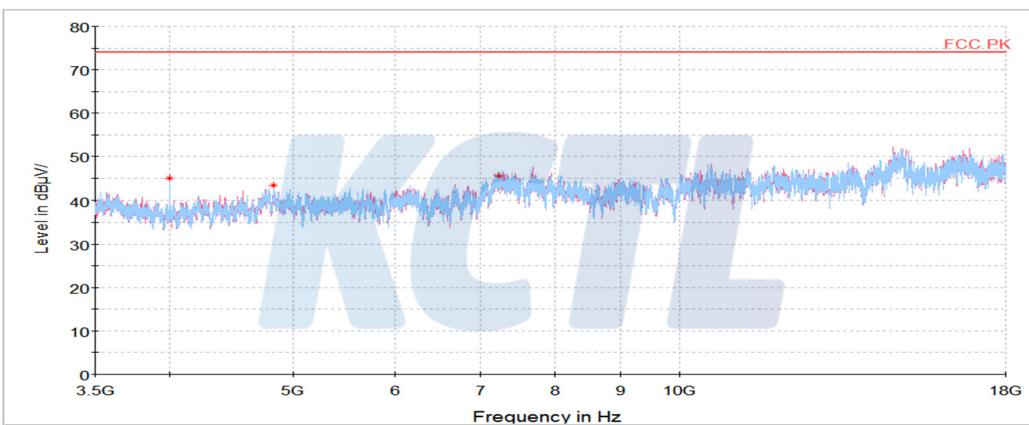
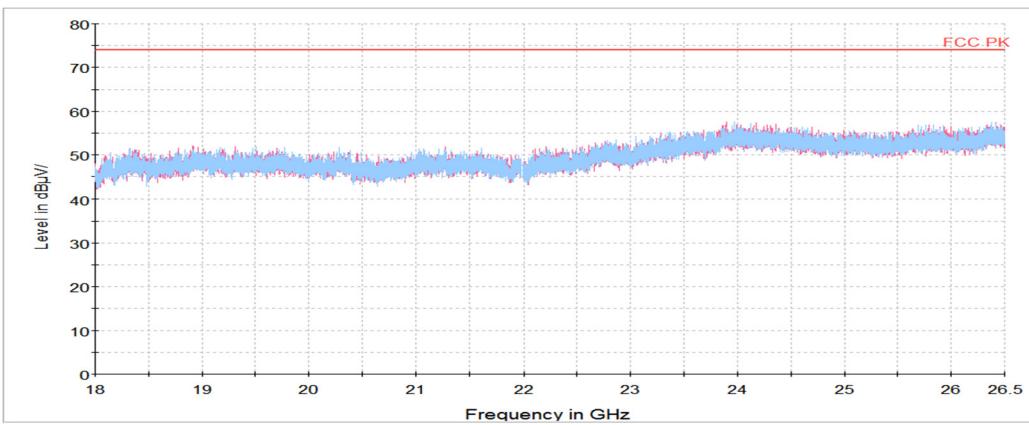


**Horizontal/Vertical for 1 GHz ~ 3.5 GHz****Horizontal/Vertical for 3.5 GHz ~ 18 GHz****Horizontal/Vertical for 18 GHz ~ 26.5 GHz**

**KCTL Inc.**

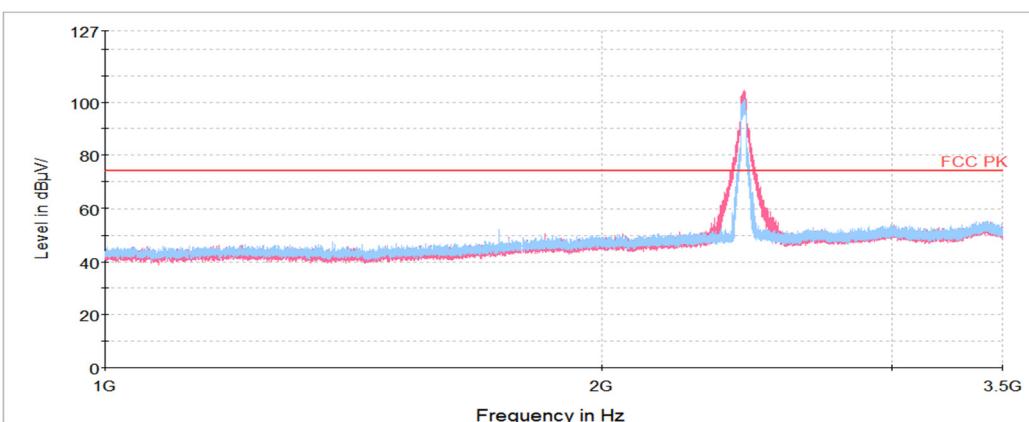
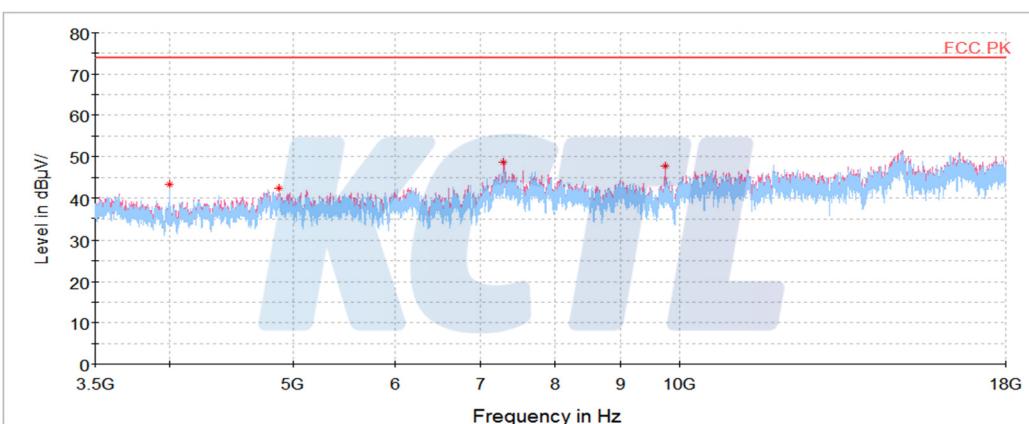
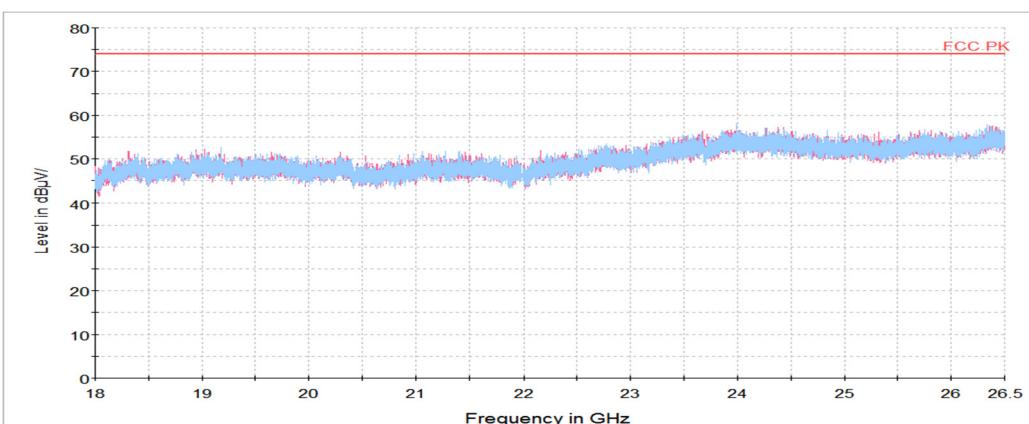
65, Sinwon-ro, Yeongtong-gu,  
Suwon-si, Gyeonggi-do, 16677, Korea  
TEL: 82-31-285-0894 FAX: 82-505-299-8311  
[www.kctl.co.kr](http://www.kctl.co.kr)

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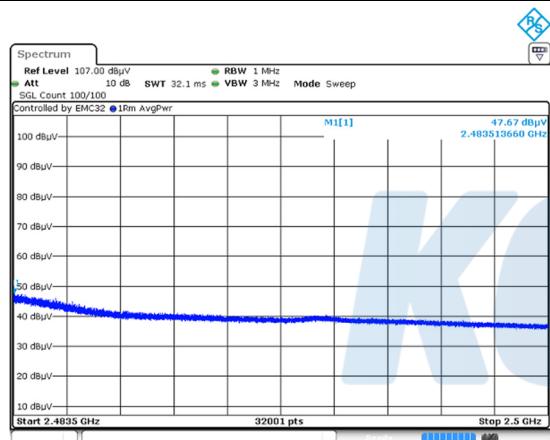
**Middle Channel (2 437 MHz)**

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>								
4 000.25 <sup>1)</sup>	V	67.03	33.00	-56.65	-	43.38	74.00	30.62
4 872.97 <sup>1)</sup>	H	62.65	33.95	-54.18	-	42.42	74.00	31.58
7 301.27 <sup>1)</sup>	V	64.76	35.40	-51.55	-	48.61	74.00	25.39
9 748.59	V	63.65	36.70	-52.53	-	47.82	74.00	26.18
<b>Average Data</b>								
No spurious emissions were detected within 20 dB of the limit								

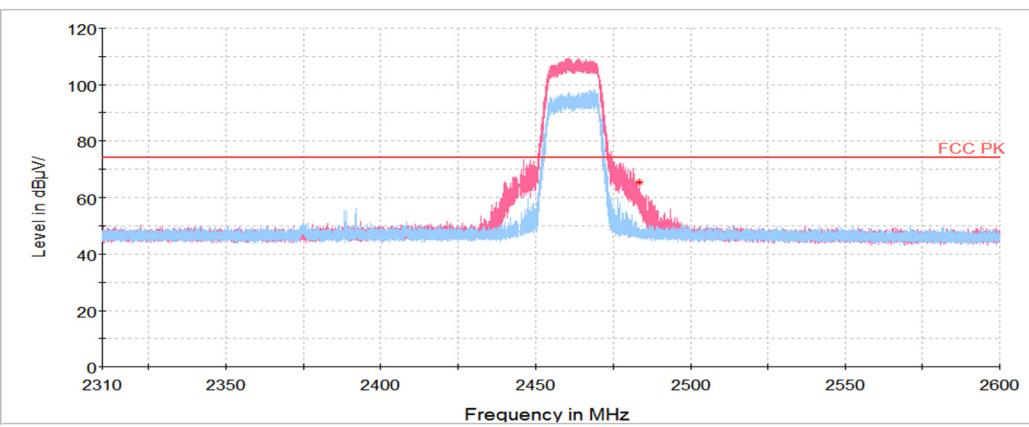
**Horizontal/Vertical for 1 GHz ~ 3.5 GHz****Horizontal/Vertical for 3.5 GHz ~ 18 GHz****Horizontal/Vertical for 18 GHz ~ 26.5 GHz**

**Highest Channel (2 462 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>								
2 483.51 <sup>1)</sup>	V	62.38	32.07	-29.21	-	65.24	74.00	8.76
3 999.80 <sup>1)</sup>	H	72.45	33.00	-56.65	-	48.80	74.00	25.20
4 923.72 <sup>1)</sup>	H	60.62	33.97	-54.88	-	39.71	74.00	34.29
7 387.36 <sup>1)</sup>	H	60.98	35.40	-51.13	-	45.25	74.00	28.75
<b>Average Data</b>								
2 483.51 <sup>1)</sup>	V	47.67	32.07	-29.21	0.23	50.76	54.00	3.24

**Average data (2 483.51 MHz)**

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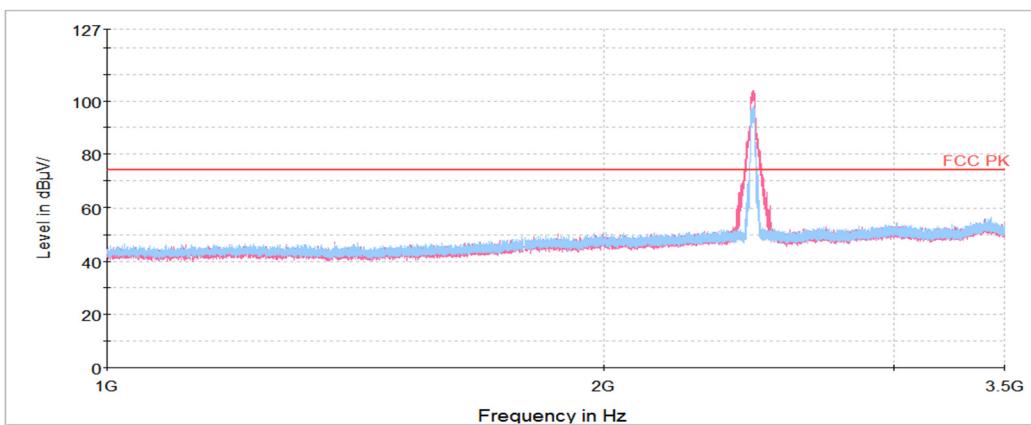
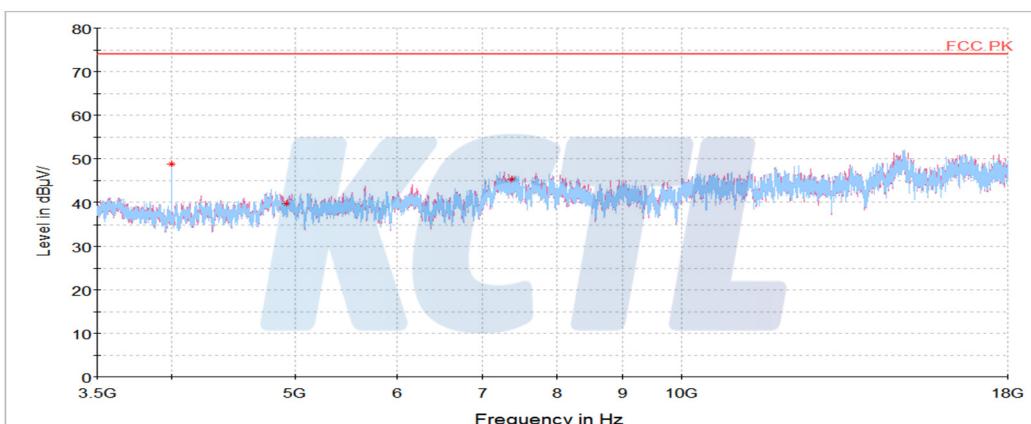
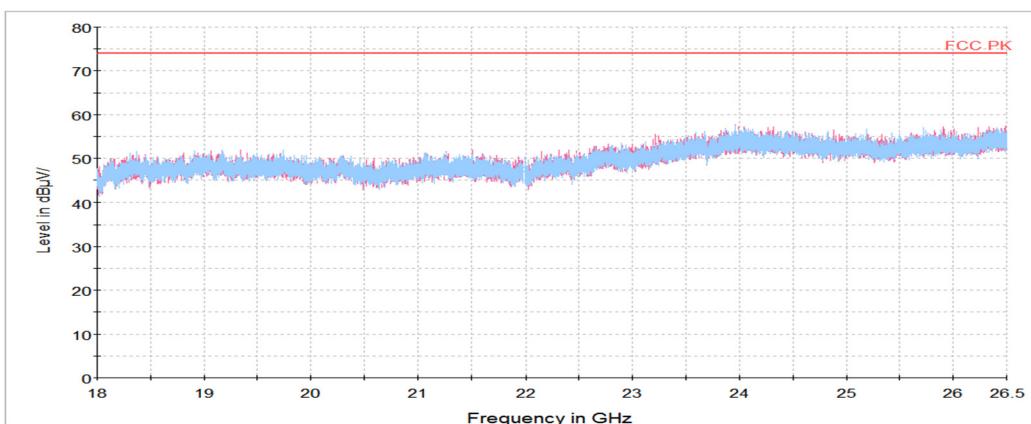
**Horizontal/Vertical for Band-edge**

**KCTL Inc.**

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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)

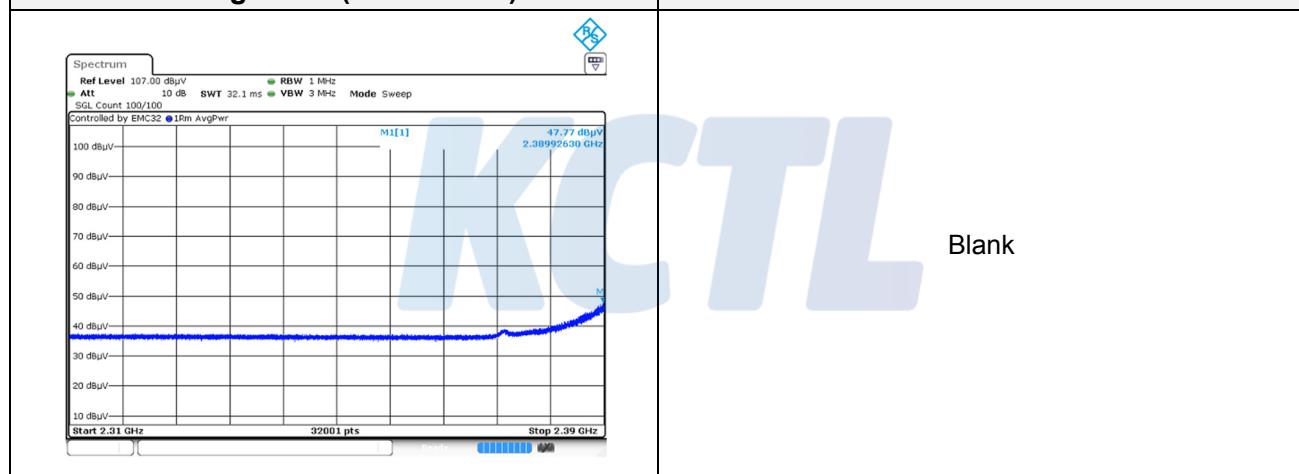
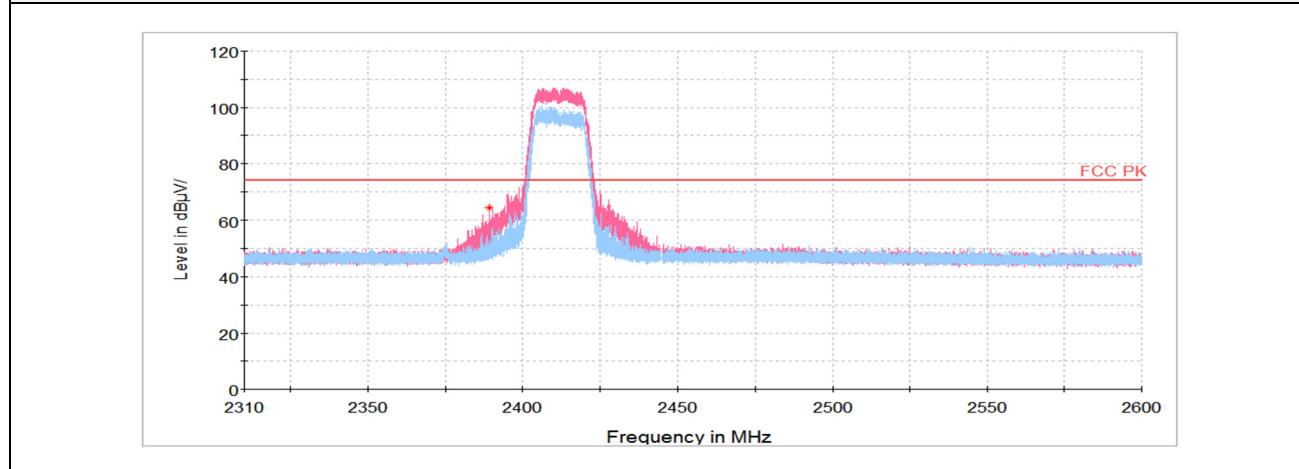
Report No.:  
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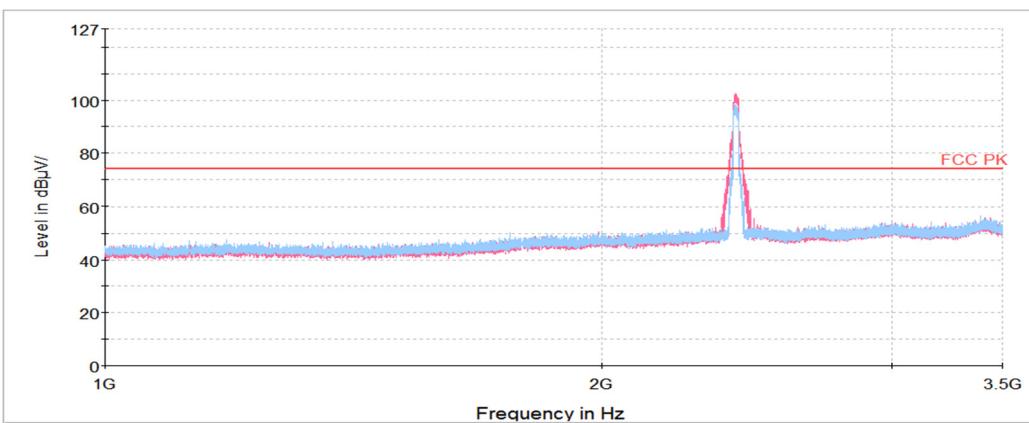
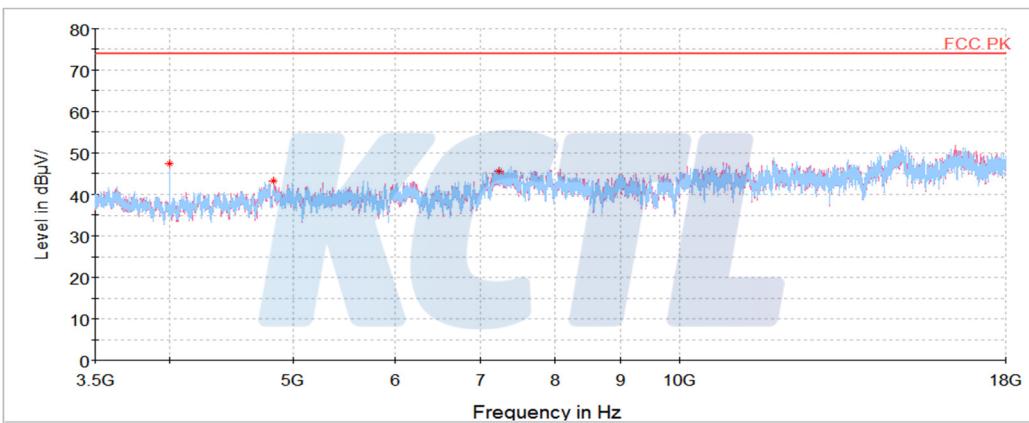
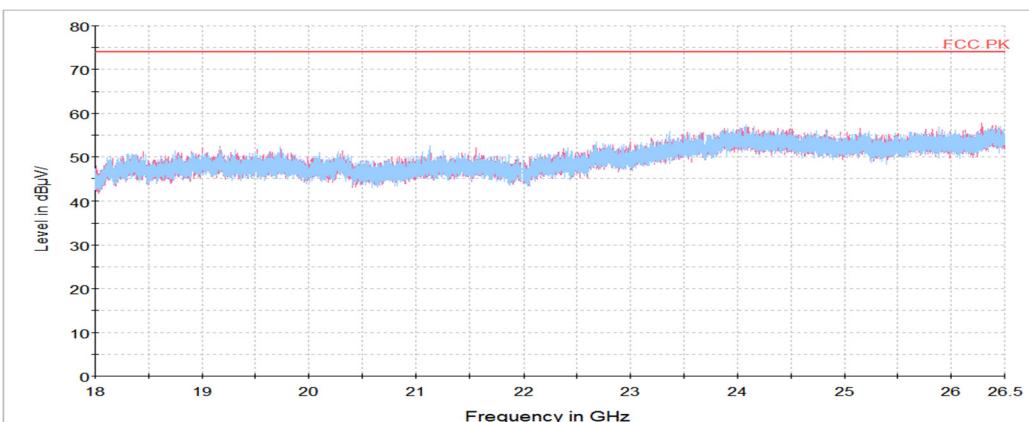
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**KCTL****Horizontal/Vertical for 1 GHz ~ 3.5 GHz****Horizontal/Vertical for 3.5 GHz ~ 18 GHz****Horizontal/Vertical for 18 GHz ~ 26.5 GHz**

**802.11q ANT 1****Lowest Channel (2 412 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>								
2 389.93 <sup>1)</sup>	V	61.29	31.88	-29.04	-	64.13	74.00	9.87
3 999.80 <sup>1)</sup>	V	70.96	33.00	-56.65	-	47.31	74.00	26.69
4 824.03 <sup>1)</sup>	H	61.99	33.93	-52.83	-	43.09	74.00	30.91
7 238.73	V	62.04	35.40	-51.86	-	45.58	74.00	28.42
<b>Average Data</b>								
2 389.93 <sup>1)</sup>	V	47.77	31.88	-29.04	0.23	50.84	54.00	3.16

**Average data (2 389.93 MHz)****Horizontal/Vertical for Band-edge**

**Horizontal/Vertical for 1 GHz ~ 3.5 GHz****Horizontal/Vertical for 3.5 GHz ~ 18 GHz****Horizontal/Vertical for 18 GHz ~ 26.5 GHz**

**KCTL Inc.**

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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)

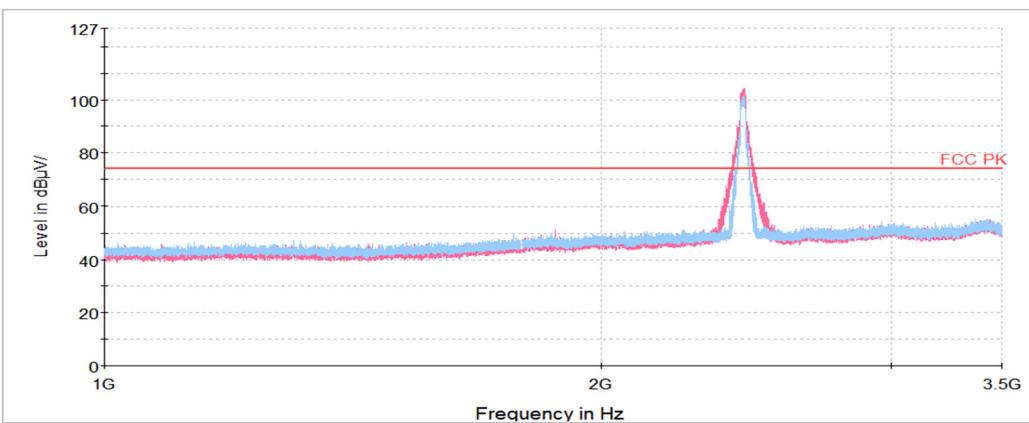
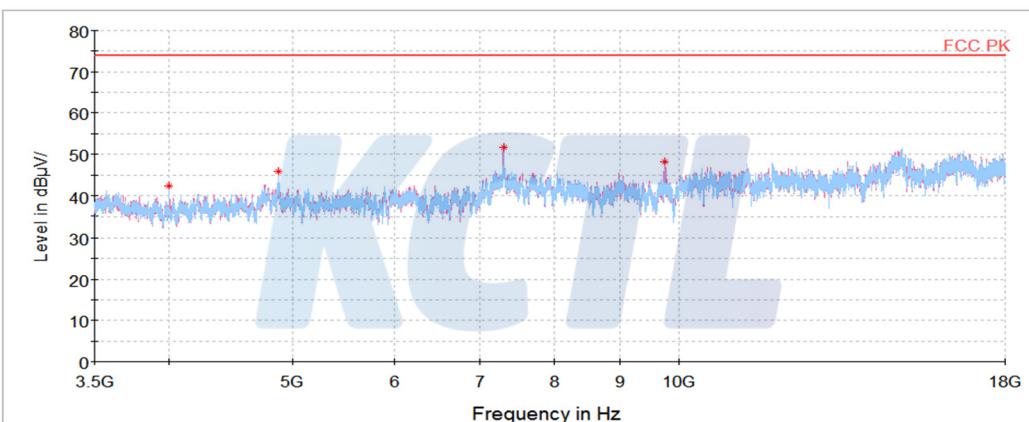
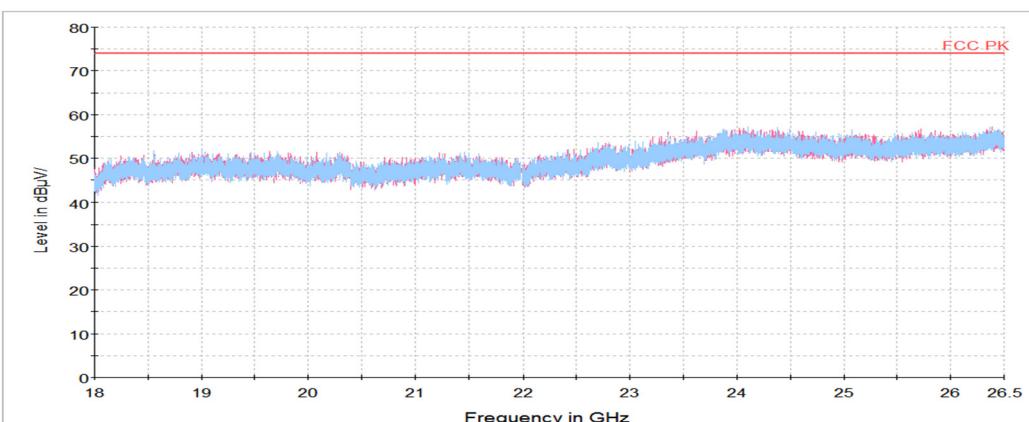
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**Middle Channel (2 437 MHz)**

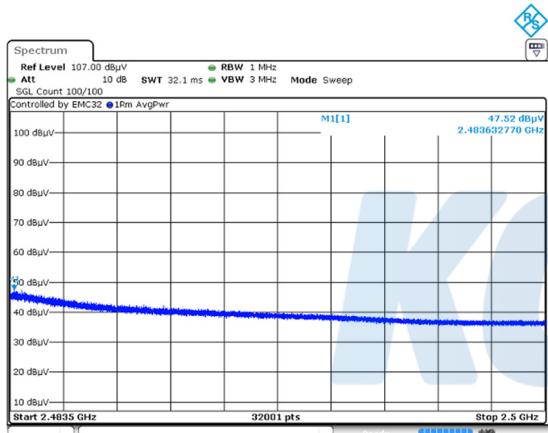
Frequency	Pol.	Reading	Ant. Factor	Amp. + Cable	DCCF	Result	Limit	Margin
(MHz)	(V/H)	(dB(µV))	(dB)	(dB)	(dB)	(dB(µV/m))	(dB(µV/m))	(dB)
<b>Peak data</b>								
3 999.80 <sup>1)</sup>	H	66.08	33.00	-56.65	-	42.43	74.00	31.57
4 877.50 <sup>1)</sup>	H	66.31	33.95	-54.30	-	45.96	74.00	28.04
7 313.59 <sup>1)</sup>	V	67.75	35.40	-51.49	-	51.66	74.00	22.34
9 755.84	V	64.05	36.70	-52.53	-	48.22	74.00	25.78
<b>Average Data</b>								
No spurious emissions were detected within 20 dB of the limit								



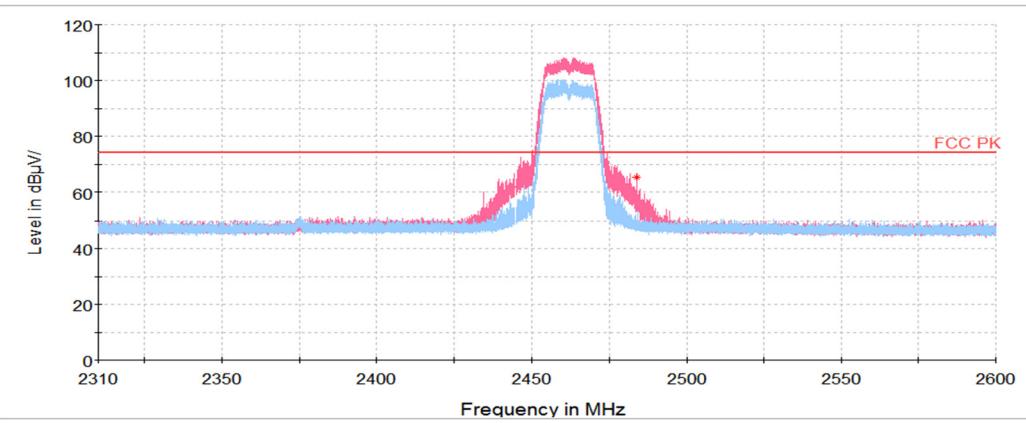
**Horizontal/Vertical for 1 GHz ~ 3.5 GHz****Horizontal/Vertical for 3.5 GHz ~ 18 GHz****Horizontal/Vertical for 18 GHz ~ 26.5 GHz**

**Highest Channel (2 462 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>								
2 483.63 <sup>1)</sup>	V	62.30	32.07	-29.21	-	65.16	74.00	8.84
4 000.25 <sup>1)</sup>	V	70.60	33.00	-56.65	-	46.95	74.00	27.05
4 924.63 <sup>1)</sup>	H	61.37	33.97	-54.87	-	40.47	74.00	33.53
7 387.36 <sup>1)</sup>	V	60.71	35.40	-51.13	-	44.98	74.00	29.02
<b>Average Data</b>								
2 483.63 <sup>1)</sup>	V	47.52	32.07	-29.21	0.23	50.61	54.00	3.39

**Average data (2 483.63 MHz)**

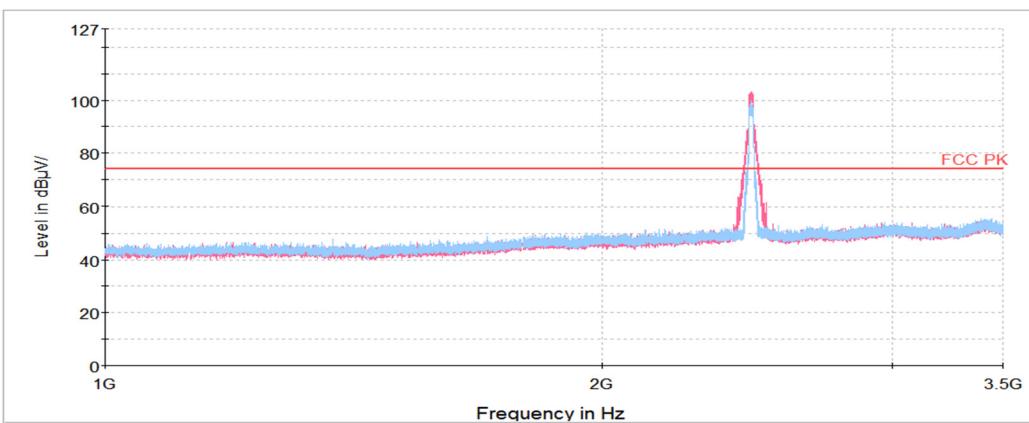
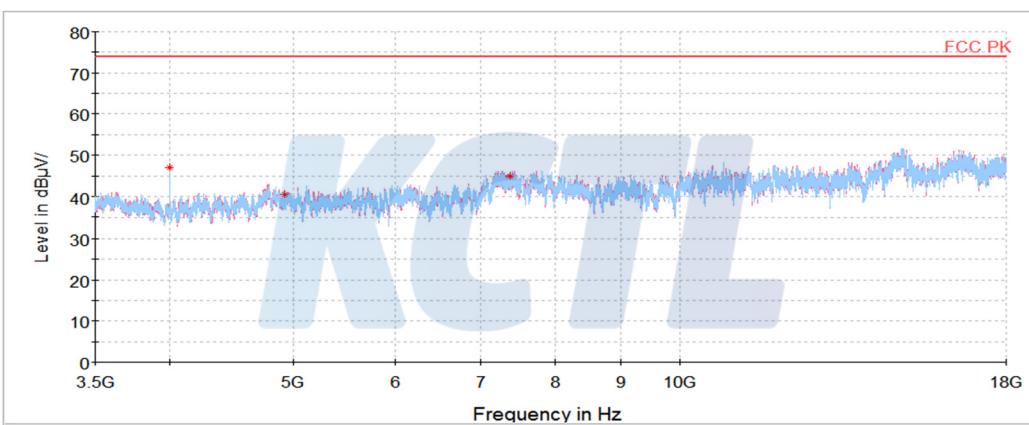
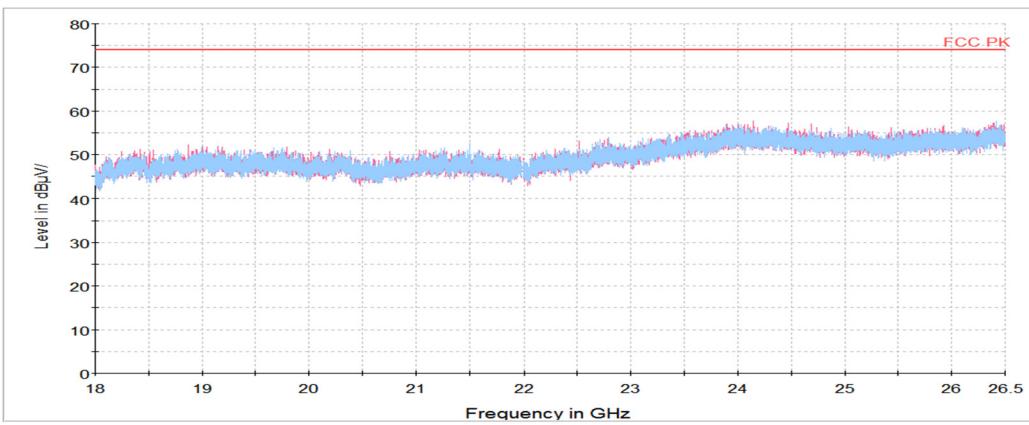
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**Horizontal/Vertical for Band-edge**

**KCTL Inc.**

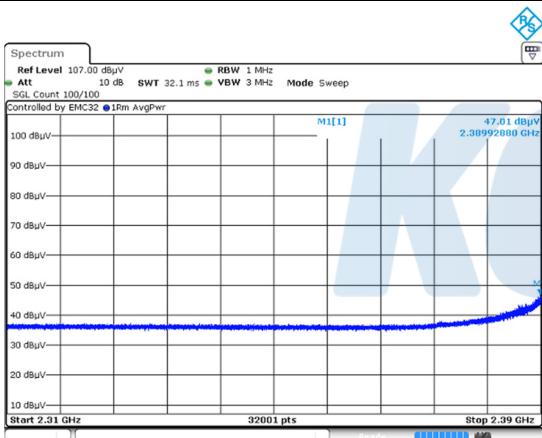
65, Sinwon-ro, Yeongtong-gu,  
Suwon-si, Gyeonggi-do, 16677, Korea  
TEL: 82-31-285-0894 FAX: 82-505-299-8311  
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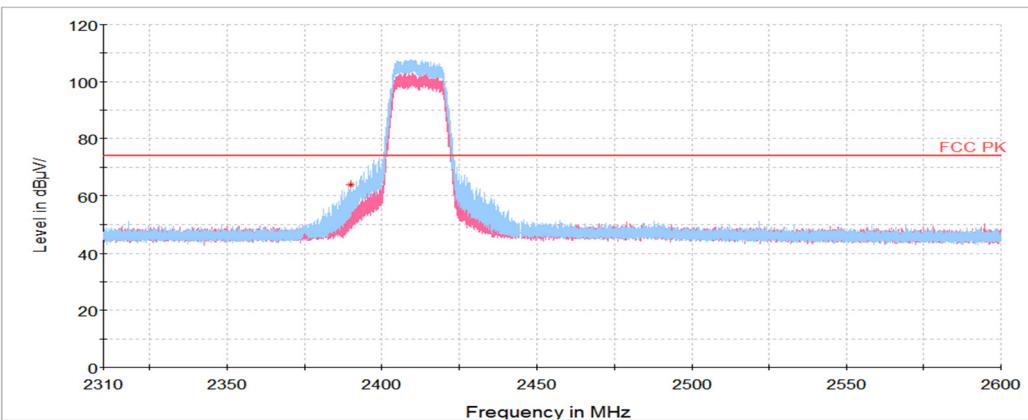
**KCTL****Horizontal/Vertical for 1 GHz ~ 3.5 GHz****Horizontal/Vertical for 3.5 GHz ~ 18 GHz****Horizontal/Vertical for 18 GHz ~ 26.5 GHz**

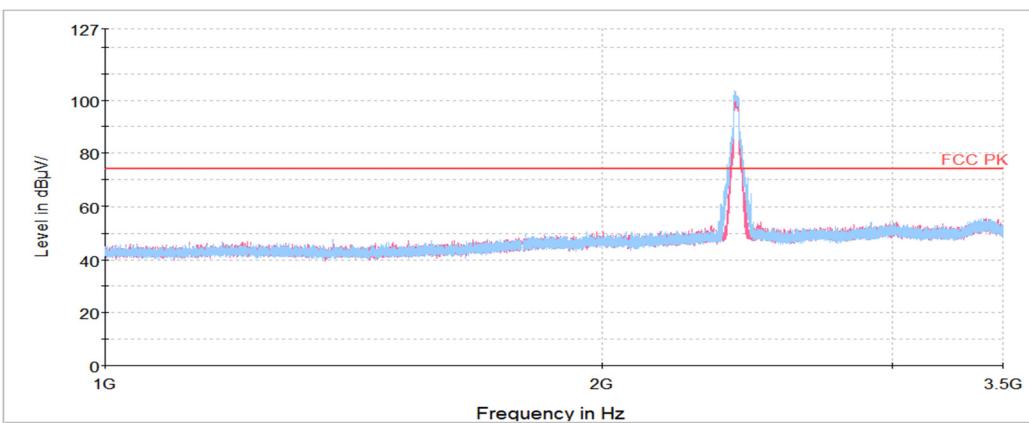
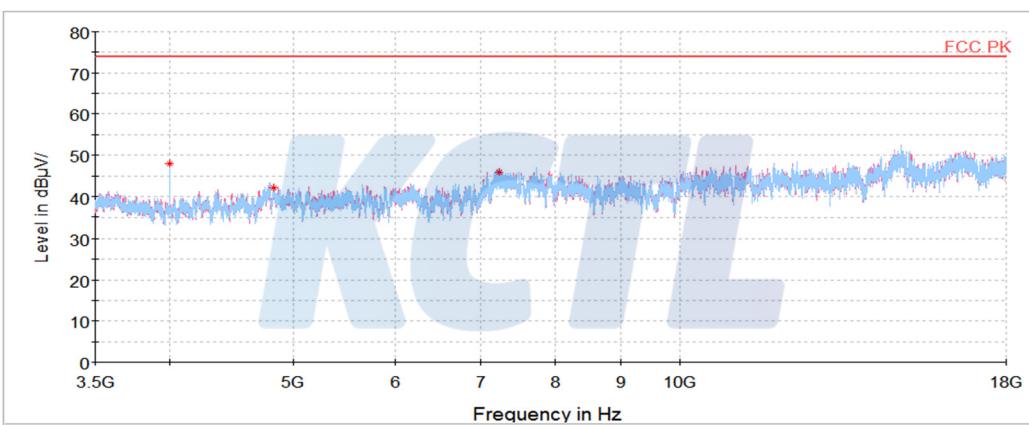
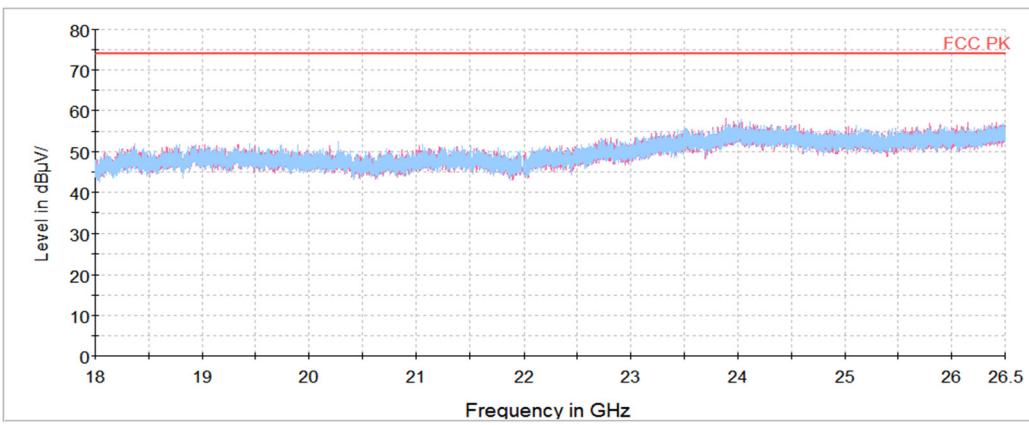
**802.11q ANT 2****Lowest Channel (2 412 MHz)**

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>								
2 389.93 <sup>1)</sup>	H	60.94	31.88	-29.04	-	63.78	74.00	10.22
3 999.80 <sup>1)</sup>	H	71.51	33.00	-56.65	-	47.86	74.00	26.14
4 823.13 <sup>1)</sup>	H	60.98	33.93	-52.80	-	42.11	74.00	31.89
7 236.02	H	62.23	35.40	-51.87	-	45.76	74.00	28.24
<b>Average Data</b>								
2 389.93 <sup>1)</sup>	H	47.01	31.88	-29.04	0.23	50.08	54.00	3.92

**Average data (2 389.93 MHz)**

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**Horizontal/Vertical for Band-edge**

**Horizontal/Vertical for 1 GHz ~ 3.5 GHz****Horizontal/Vertical for 3.5 GHz ~ 18 GHz****Horizontal/Vertical for 18 GHz ~ 26.5 GHz**

**KCTL Inc.**

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**Middle Channel (2 437 MHz)**

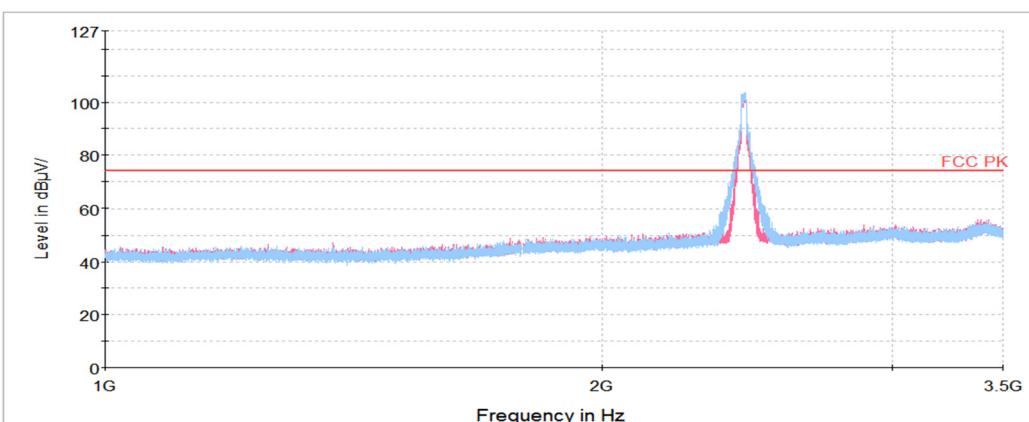
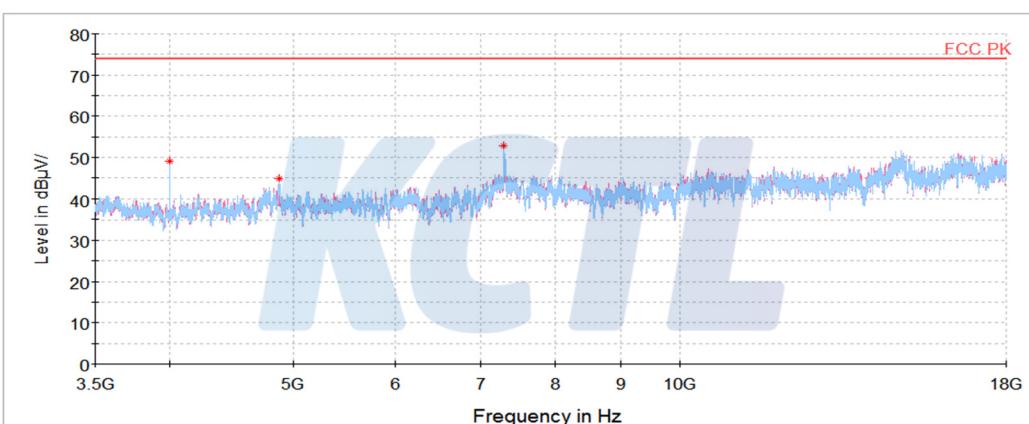
Frequency (MHz)	Pol.	Reading (dB(µV))	Ant. Factor (dB)	Amp. + Cable (dB)	DCCF	Result (dB(µV/m))	Limit (dB(µV/m))	Margin (dB)
<b>Peak data</b>								
4 000.25 <sup>1)</sup>	H	72.69	33.00	-56.65	-	49.04	74.00	24.96
4 874.33 <sup>1)</sup>	H	65.11	33.95	-54.22	-	44.84	74.00	29.16
7 312.84 <sup>1)</sup>	H	68.98	35.40	-51.49	-	52.89	74.00	21.11
<b>Average Data</b>								
No spurious emissions were detected within 20 dB of the limit								



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**KCTL****Horizontal/Vertical for 1 GHz ~ 3.5 GHz****Horizontal/Vertical for 3.5 GHz ~ 18 GHz****Horizontal/Vertical for 18 GHz ~ 26.5 GHz**