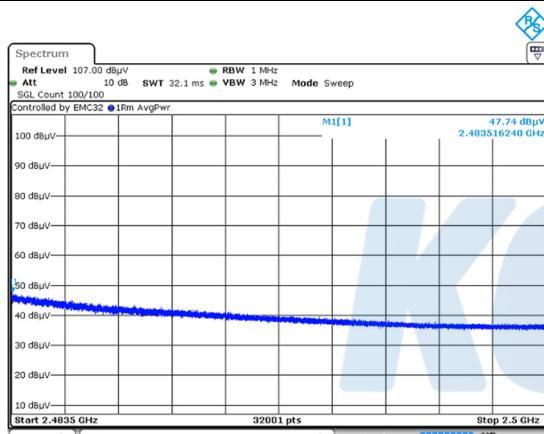
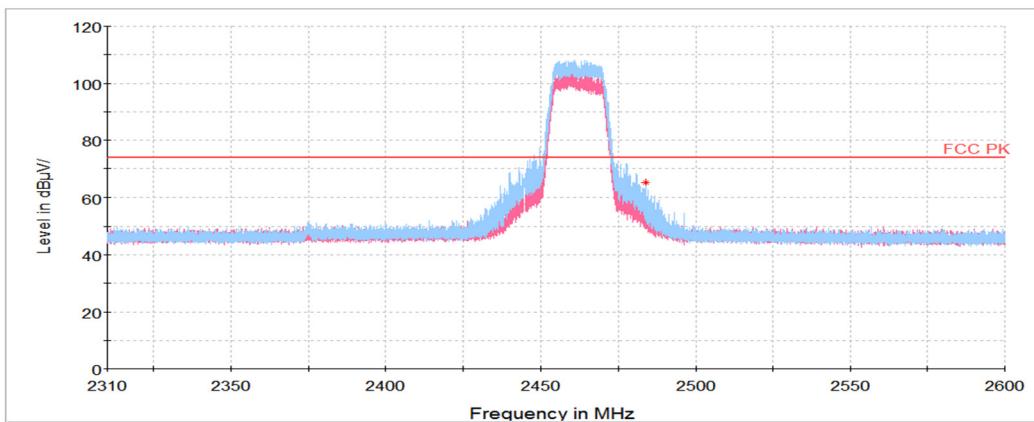


**Highest Channel (2 462 MHz)**

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>								
2 483.52 <sup>1)</sup>	H	62.24	32.07	-29.21	-	65.10	74.00	8.90
3 999.80 <sup>1)</sup>	H	72.73	33.00	-56.65	-	49.08	74.00	24.92
4 925.08 <sup>1)</sup>	H	60.51	33.97	-54.87	-	39.61	74.00	34.39
7 387.36 <sup>1)</sup>	V	61.81	35.40	-51.13	-	46.08	74.00	27.92
<b>Average Data</b>								
2 483.52 <sup>1)</sup>	H	47.74	32.07	-29.21	0.23	50.83	54.00	3.17

**Average data (2 483.52 MHz)**

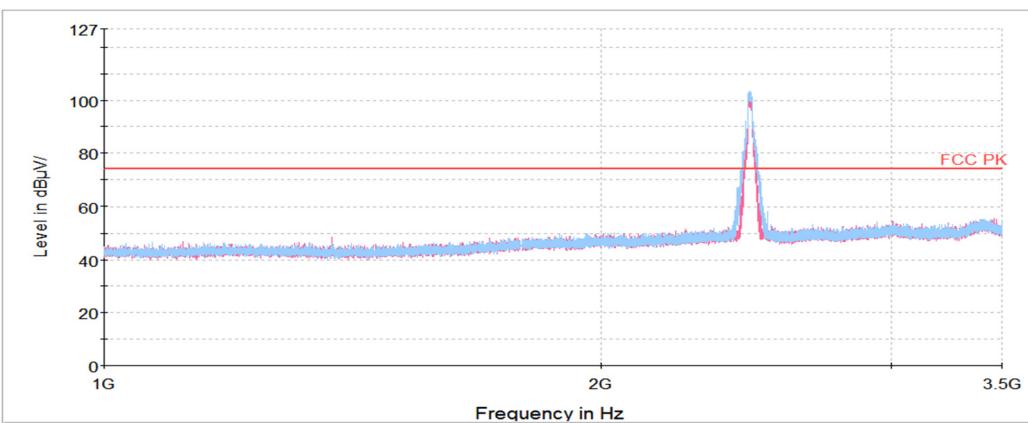
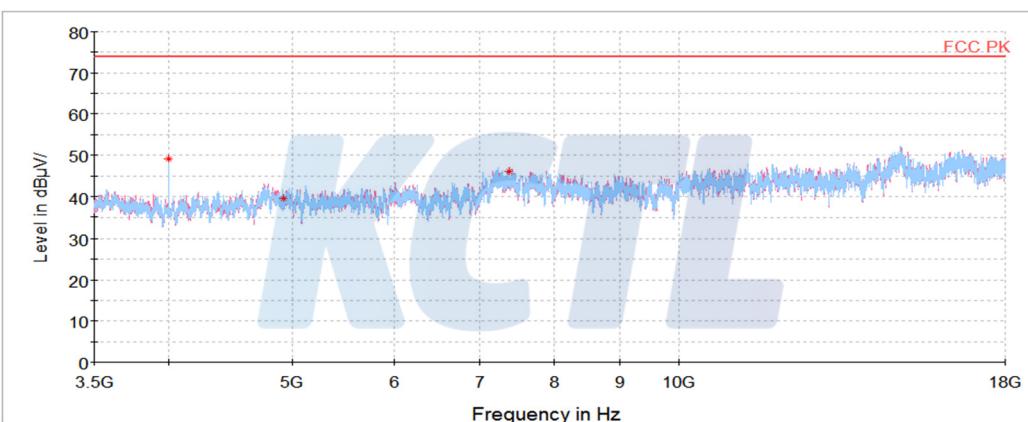
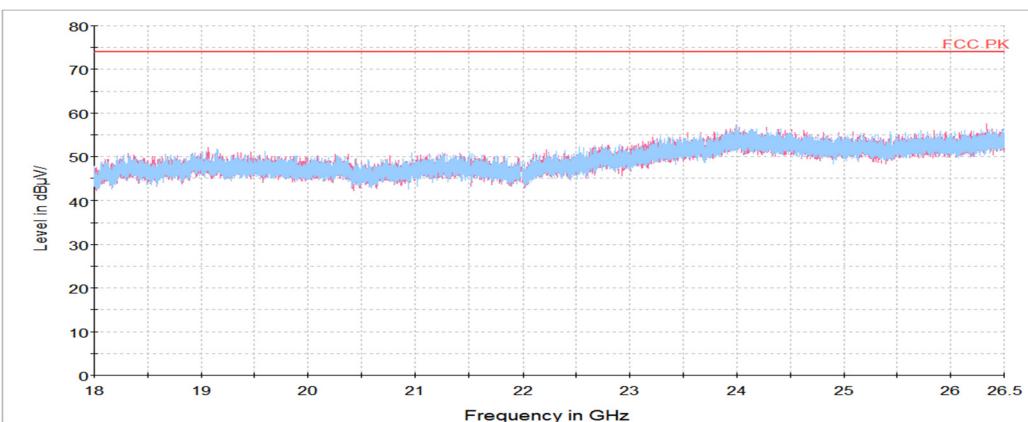
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**Horizontal/Vertical for Band-edge**

**KCTL Inc.**

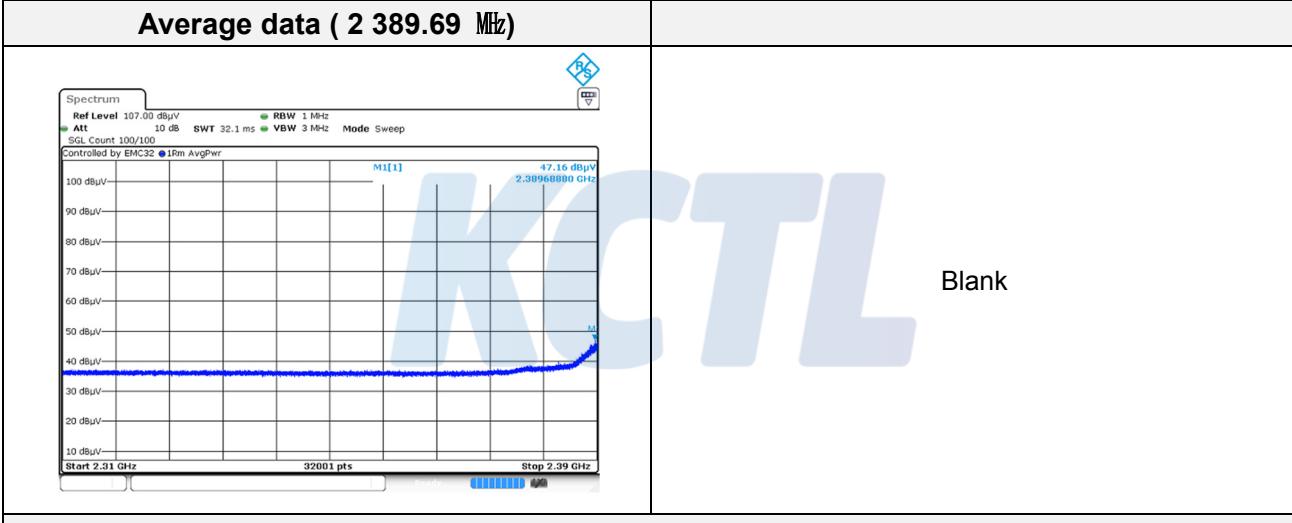
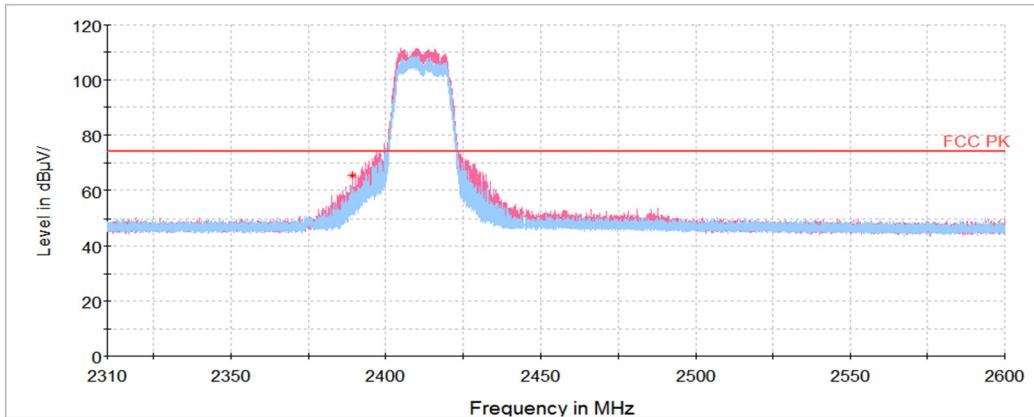
65, Sinwon-ro, Yeongtong-gu,  
Suwon-si, Gyeonggi-do, 16677, Korea  
TEL: 82-31-285-0894 FAX: 82-505-299-8311  
[www.kctl.co.kr](http://www.kctl.co.kr)

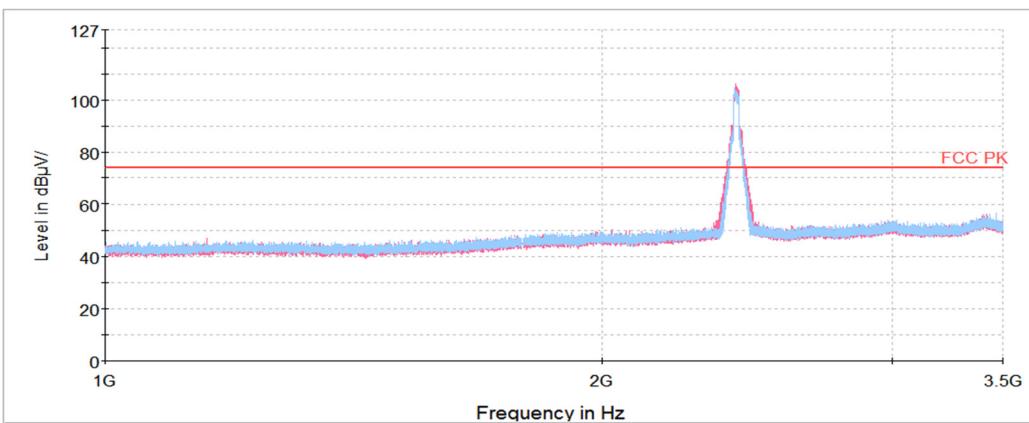
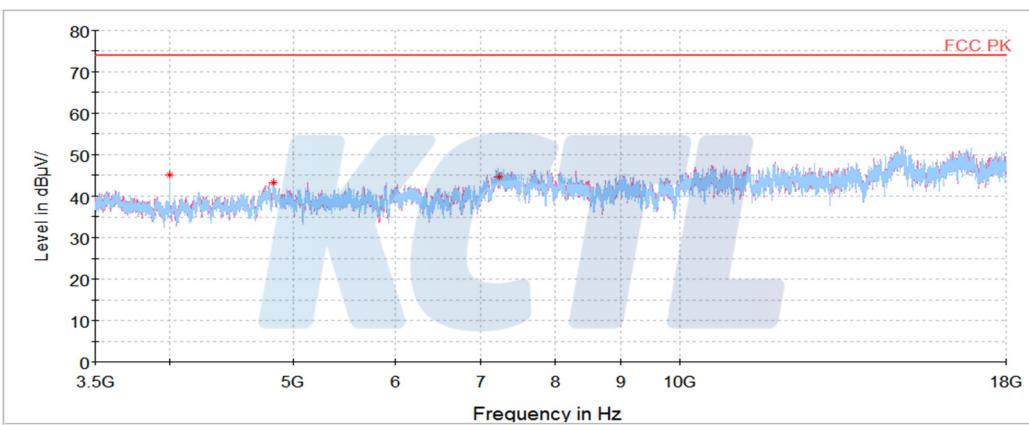
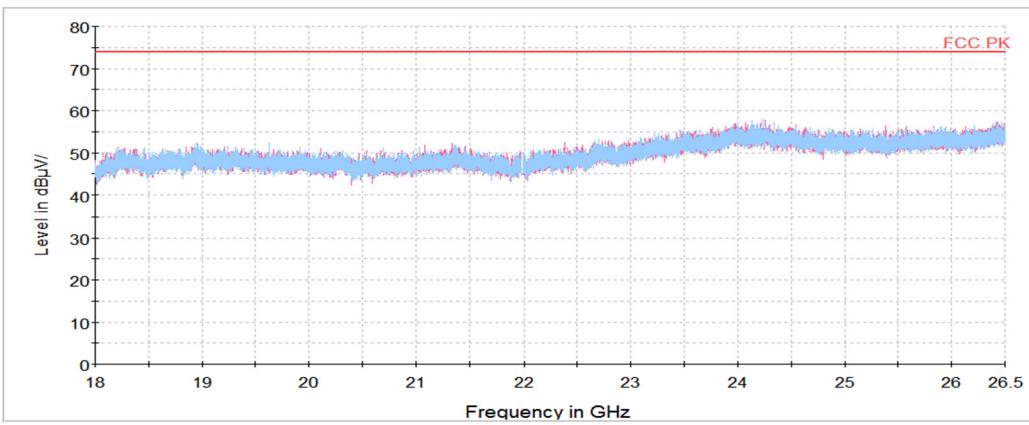
Report No.:  
KR20-SRF0029-B  
Page (85) of (155)

**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 3TX MIMO****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>								
2 389.69 <sup>1)</sup>	V	62.48	31.88	-29.04	-	65.32	74.00	8.68
3 999.80 <sup>1)</sup>	H	68.71	33.00	-56.65	-	45.06	74.00	28.94
4 823.13 <sup>1)</sup>	H	62.03	33.93	-52.80	-	43.16	74.00	30.84
7 236.02	V	61.03	35.40	-51.87	-	44.56	74.00	29.44
<b>Average Data</b>								
2 389.69 <sup>1)</sup>	V	47.16	31.88	-29.04	0.23	50.23	54.00	3.77

**Average data ( 2 389.69 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)

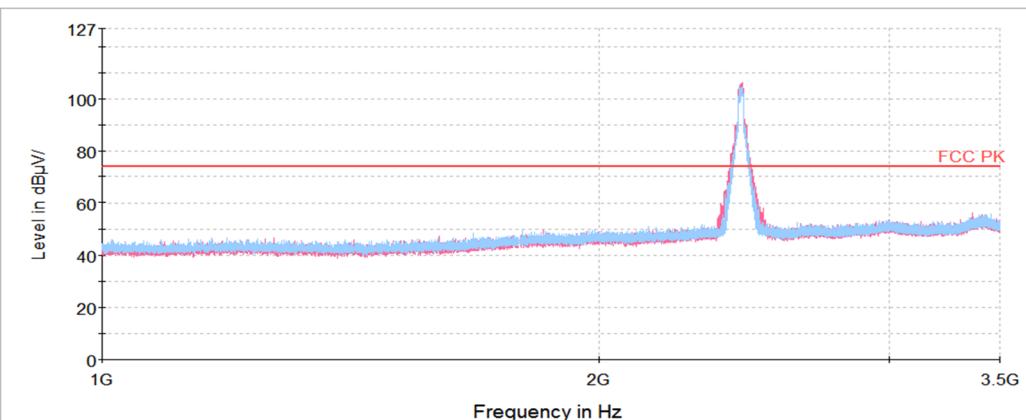
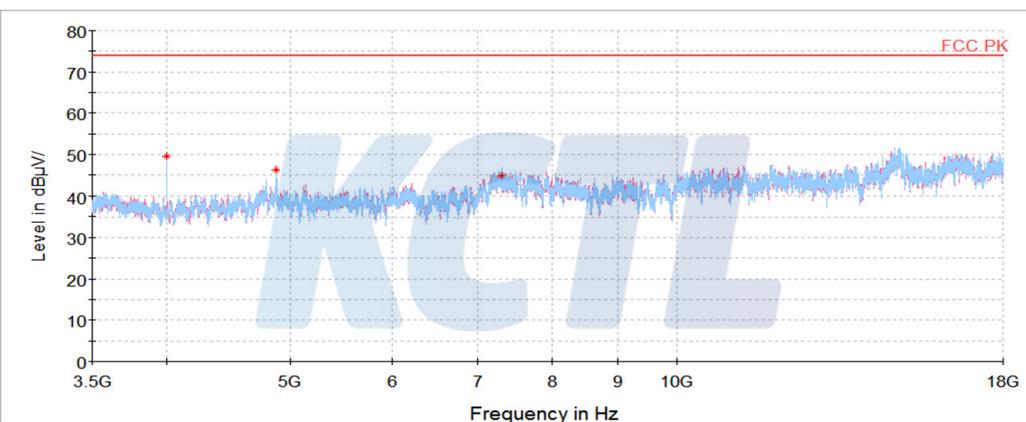
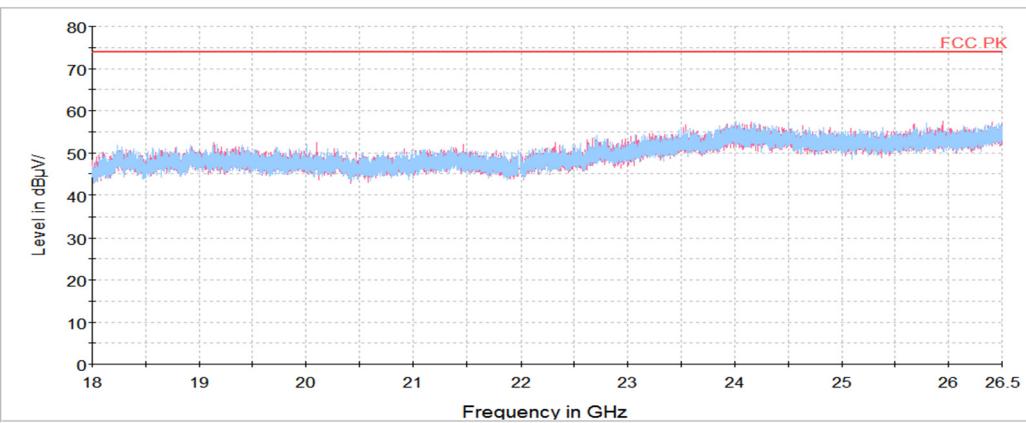
Report No.:  
KR20-SRF0029-B

Page (88) of (155)

**KCTL****Middle Channel (2 437 MHz)**

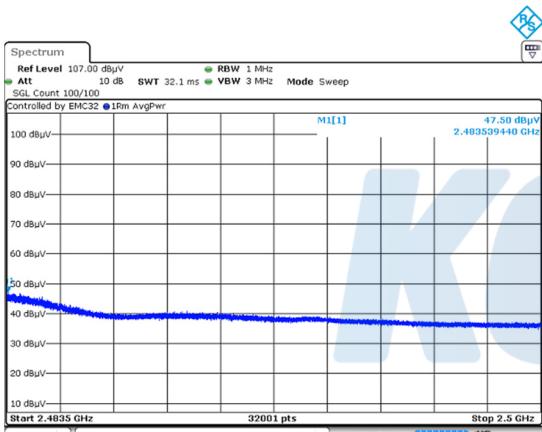
Frequency	Pol.	Reading	Ant. Factor	Amp. + Cable	DCCF	Result	Limit	Margin
(MHz)	(V/H)	(dB(µV))	(dB)	(dB)	(dB)	(dB(µV/m))	(dB(µV/m))	(dB)
<b>Peak data</b>								
3 999.80	H	73.17	33.00	-56.65	-	49.52	74.00	24.48
4 873.42	H	66.55	33.95	-54.19	-	46.31	74.00	27.69
7 311.23	V	60.94	35.40	-51.50	-	44.84	74.00	29.16
<b>Average Data</b>								
No spurious emissions were detected within 20 dB of the limit								

**KCTL**

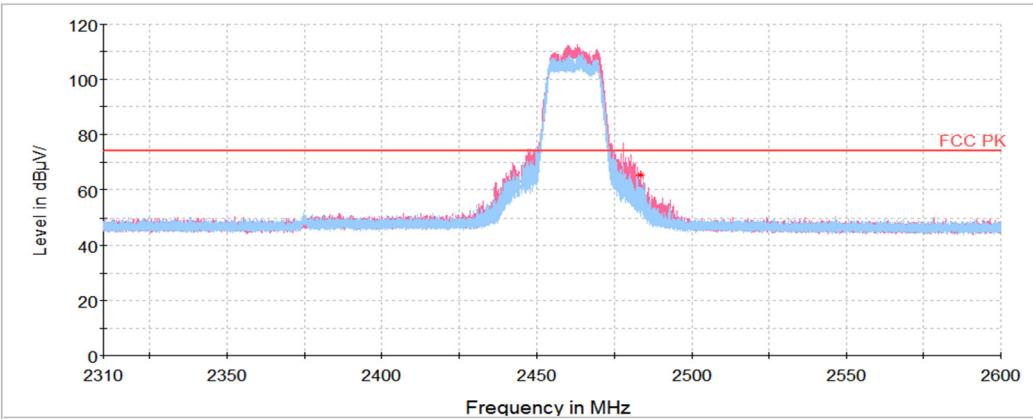
**Horizontal/Vertical for 1 GHz ~ 3.5 GHz****Horizontal/Vertical for 3.5 GHz ~ 18 GHz****Horizontal/Vertical for 18 GHz ~ 26.5 GHz**

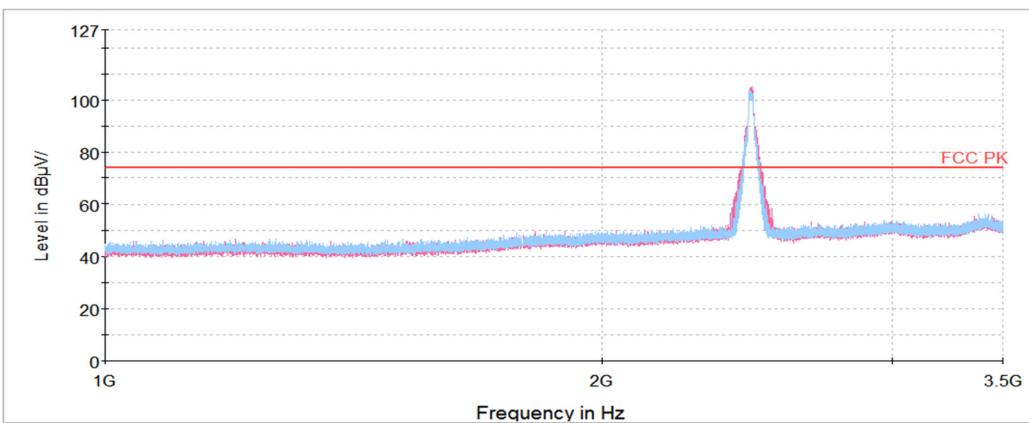
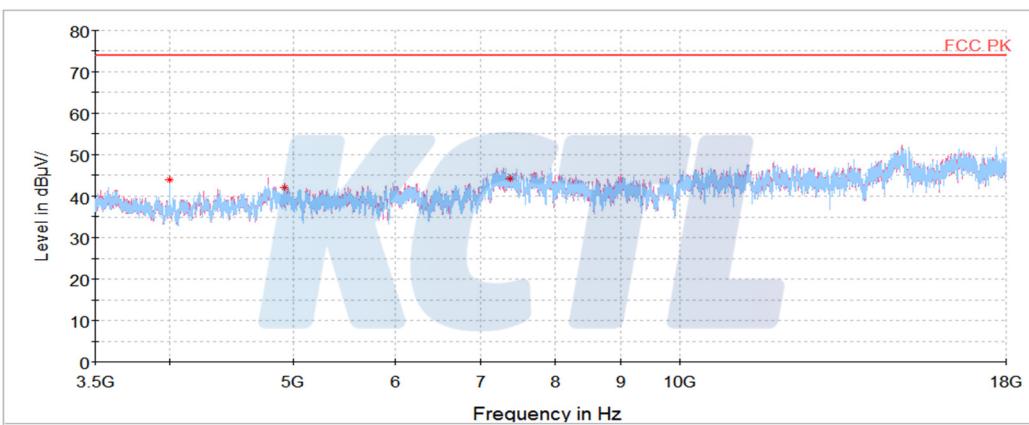
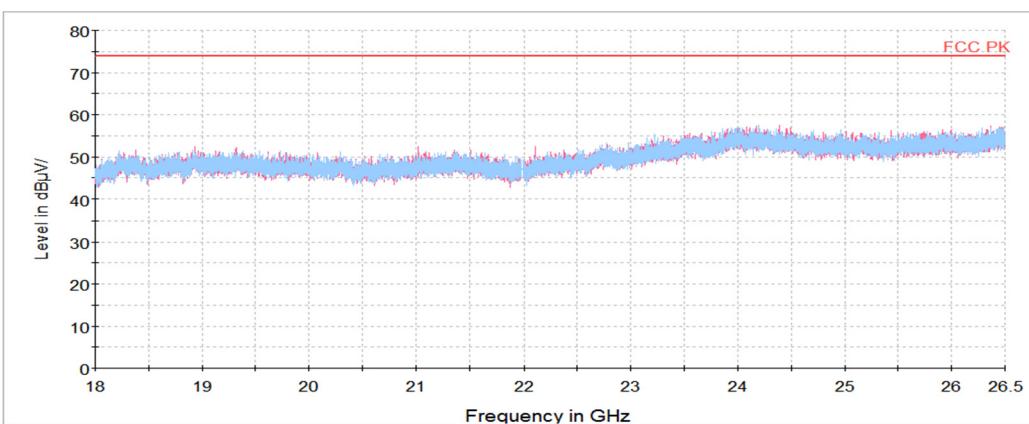
**Highest Channel (2 462 MHz)**

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>								
2 483.54 <sup>1)</sup>	V	62.52	32.07	-29.21	-	65.38	74.00	8.62
3 999.80 <sup>1)</sup>	H	67.38	33.00	-56.65	-	43.73	74.00	30.27
4 924.17 <sup>1)</sup>	H	62.93	33.97	-54.88	-	42.02	74.00	31.98
7 386.45 <sup>1)</sup>	H	59.87	35.40	-51.13	-	44.14	74.00	29.86
<b>Average Data</b>								
2 483.54 <sup>1)</sup>	V	47.50	32.07	-29.21	0.23	50.59	54.00	3.41

**Average data (2 483.54 MHz)**

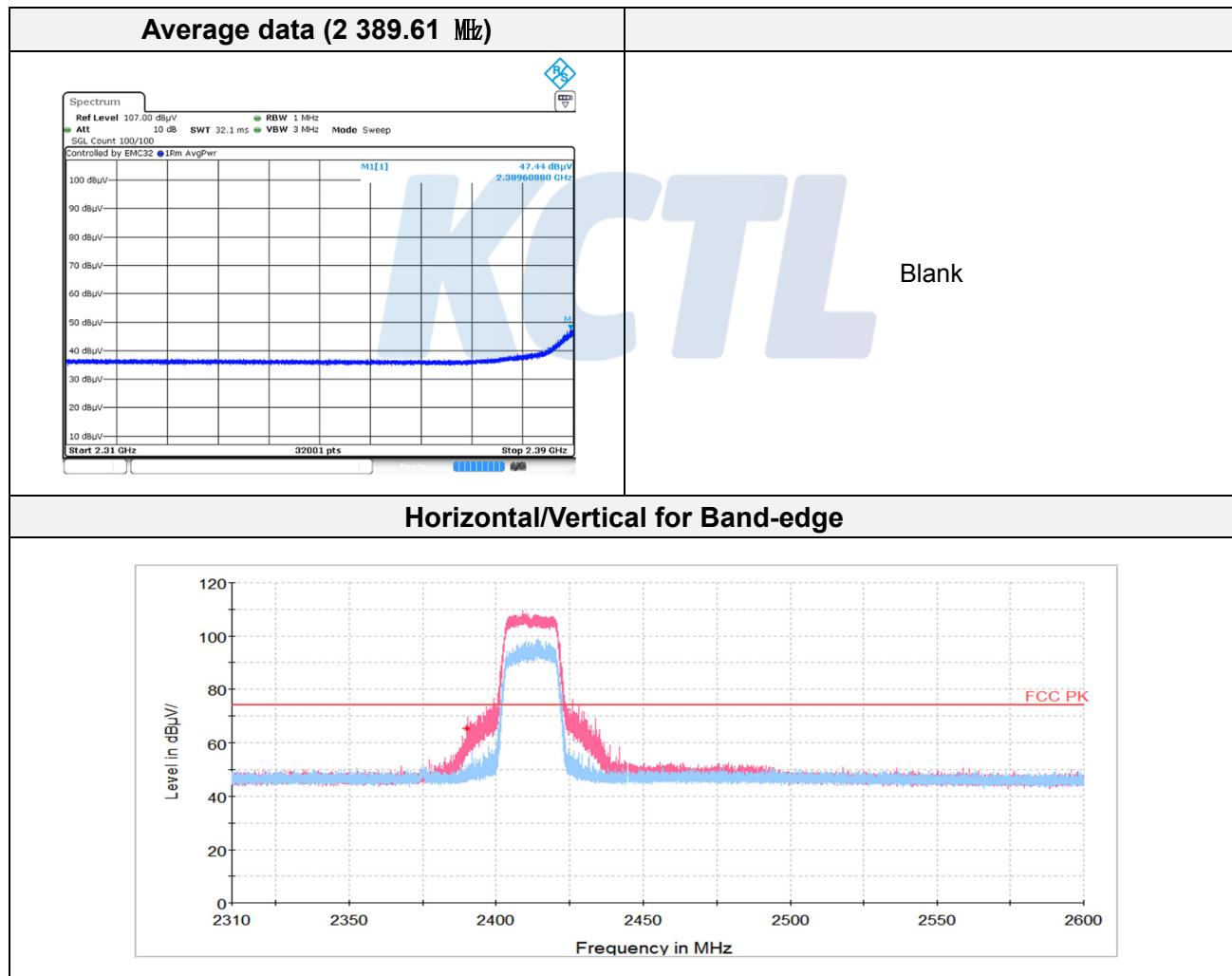
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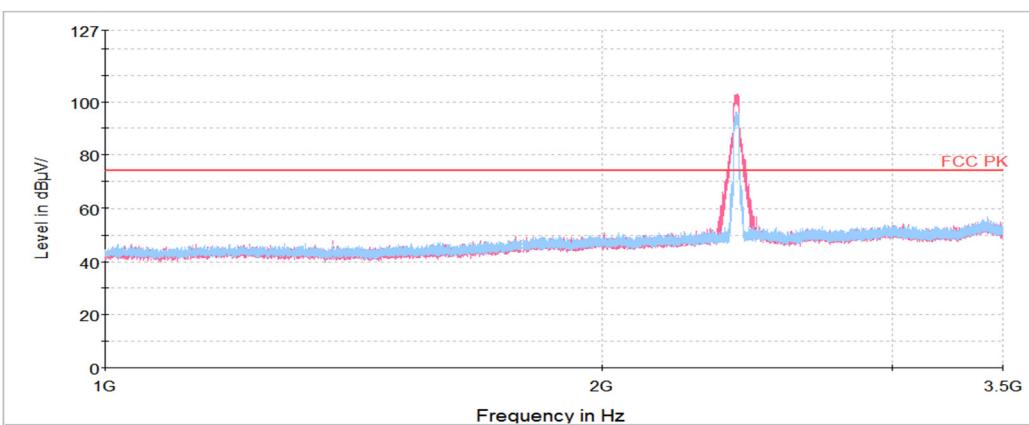
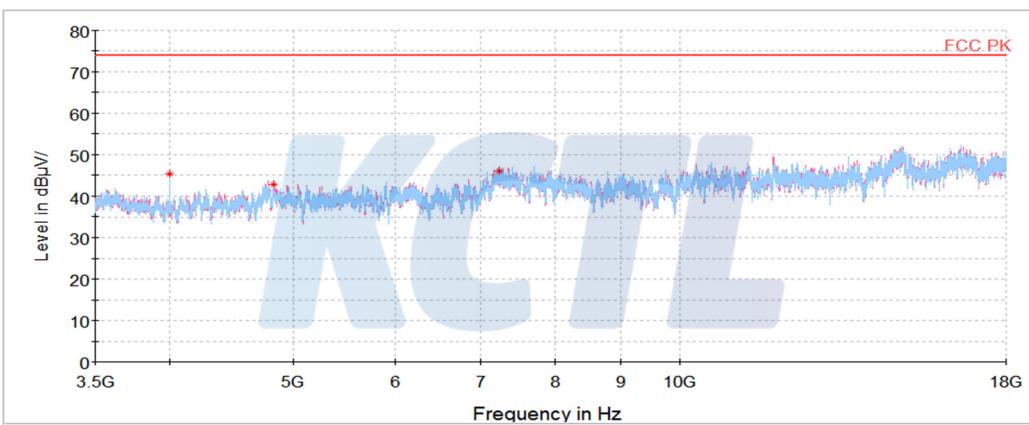
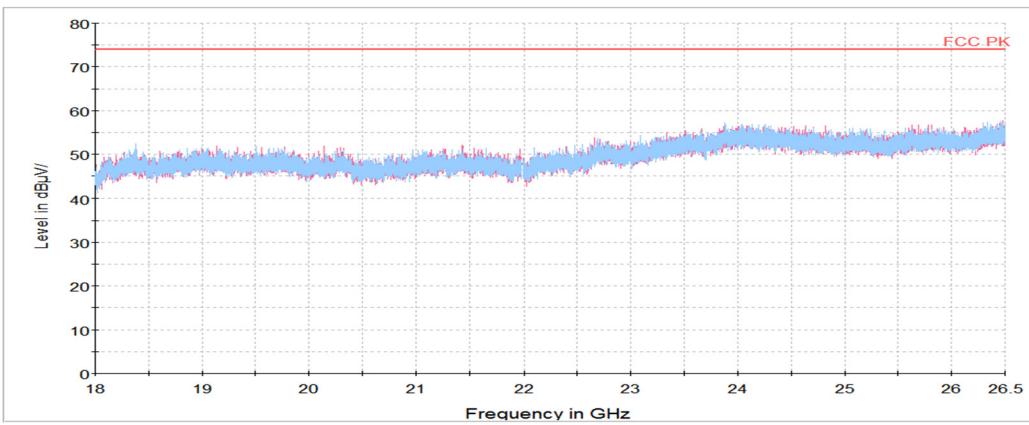
**Horizontal/Vertical for Band-edge**

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

**802.11n HT20 ANT 0****Lowest Channel (2 412 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>								
2 389.61 <sup>1)</sup>	V	62.47	31.88	-29.04	-	65.31	74.00	8.69
4 000.25 <sup>1)</sup>	H	68.93	33.00	-56.65	-	45.28	74.00	28.72
4 826.30 <sup>1)</sup>	H	61.73	33.93	-52.89	-	42.77	74.00	31.23
7 238.73	V	62.33	35.40	-51.86	-	45.87	74.00	28.13
<b>Average Data</b>								
2 389.61 <sup>1)</sup>	V	47.44	31.88	-29.04	0.20	50.48	54.00	3.52



**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)

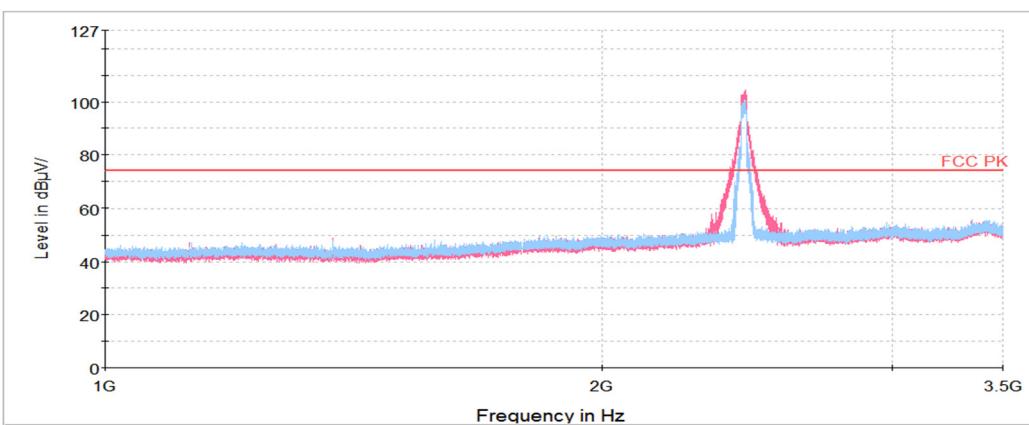
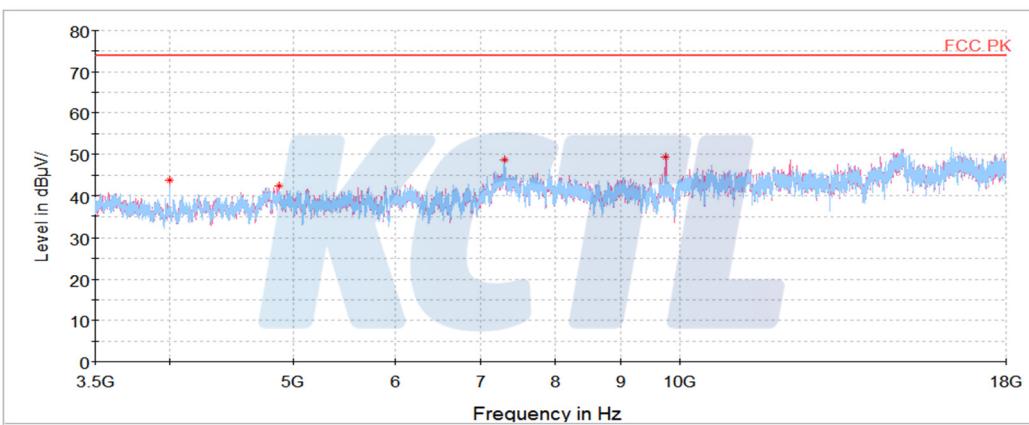
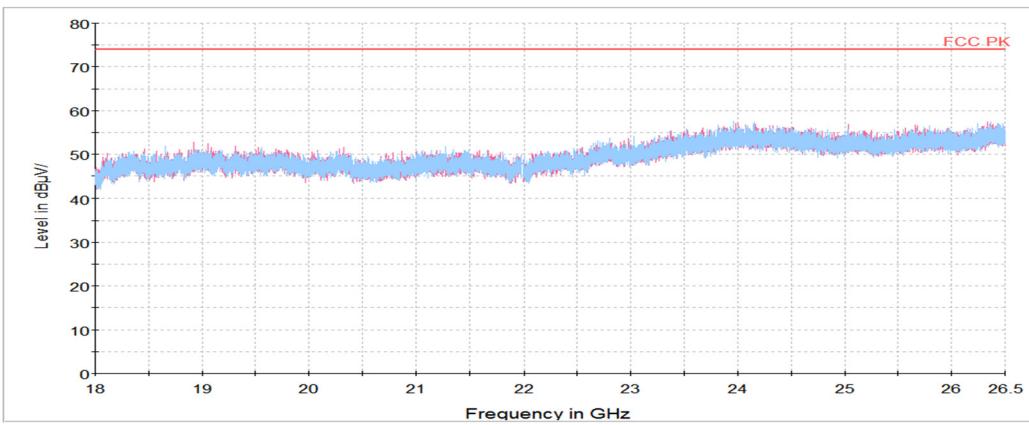
Report No.:  
KR20-SRF0029-B

Page (94) of (155)

**Middle Channel (2 437 MHz)**

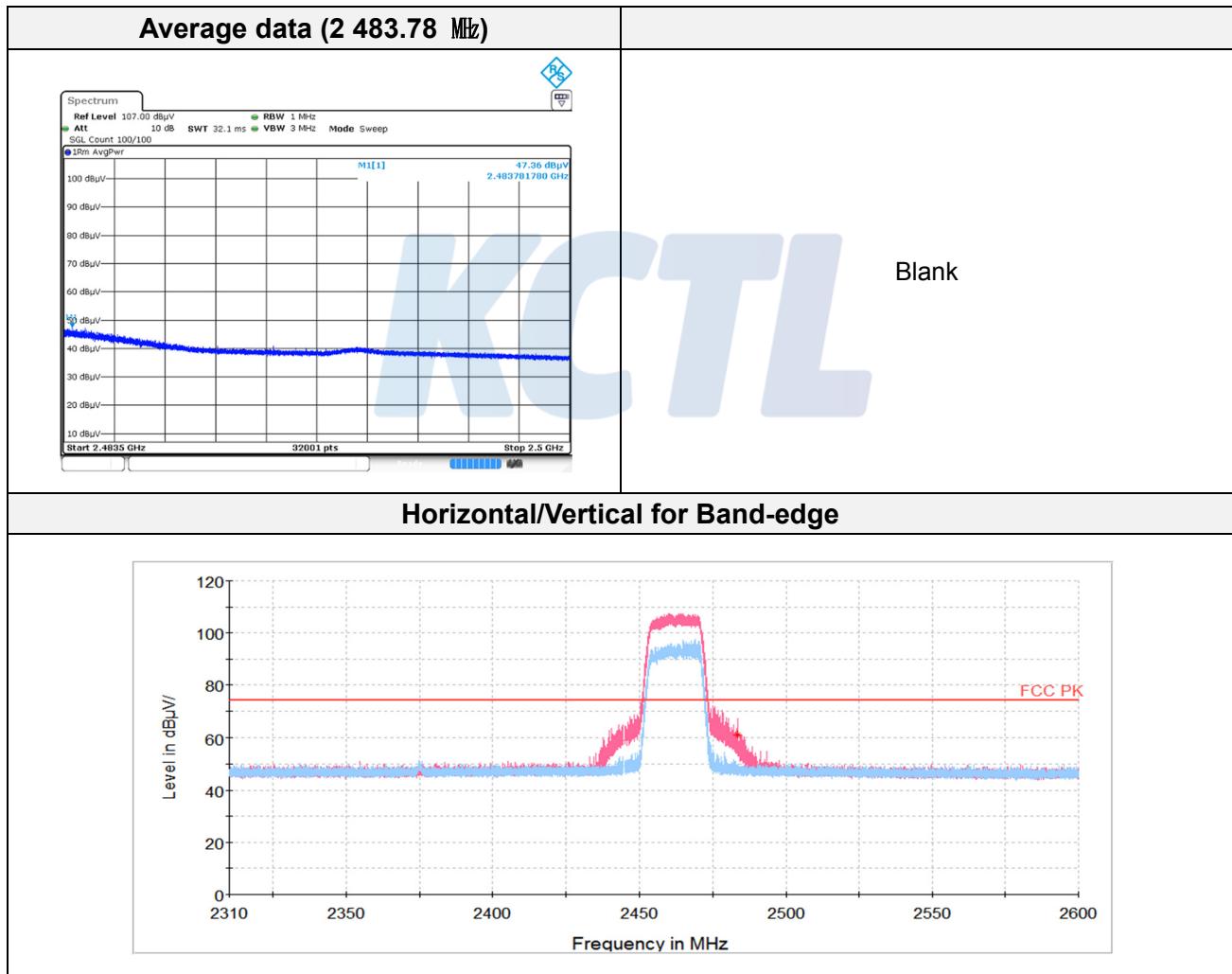
Frequency	Pol.	Reading	Ant. Factor	Amp. + Cable	DCCF	Result	Limit	Margin
(MHz)	(V/H)	(dB(µV))	(dB)	(dB)	(dB)	(dB(µV/m))	(dB(µV/m))	(dB)
<b>Peak data</b>								
3 999.80 <sup>1)</sup>	V	67.45	33.00	-56.65	-	43.80	74.00	30.20
4 874.33 <sup>1)</sup>	V	62.51	33.95	-54.22	-	42.24	74.00	31.76
7 309.88 <sup>1)</sup>	H	64.82	35.40	-51.51	-	48.71	74.00	25.29
9 750.86	V	65.28	36.70	-52.53	-	49.45	74.00	24.55
<b>Average Data</b>								
No spurious emissions were detected within 20 dB of the limit								

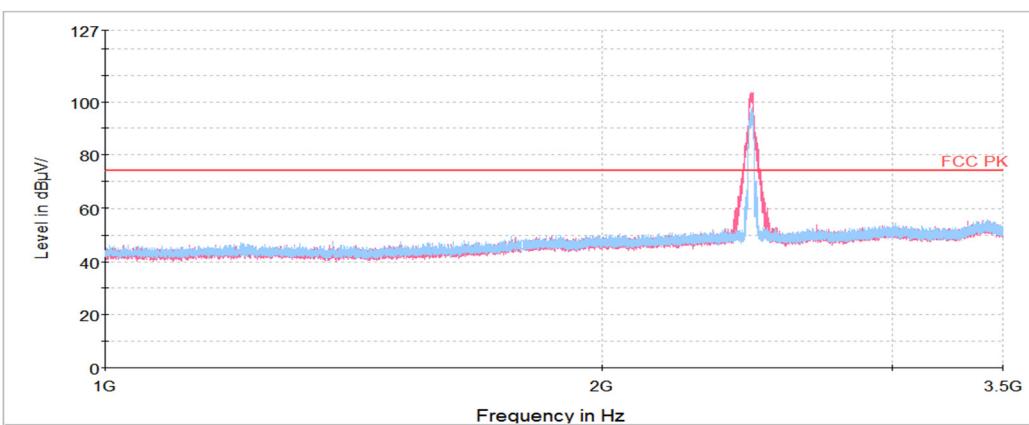
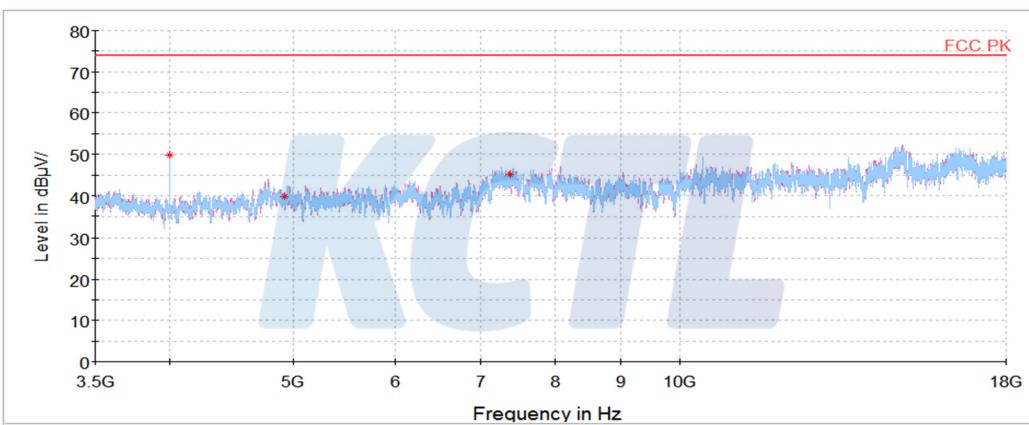
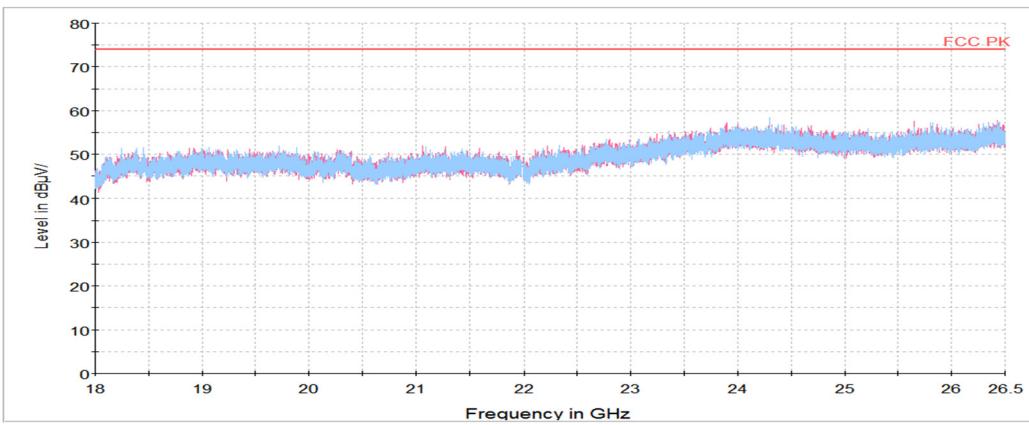


**Horizontal/Vertical for 1 GHz ~ 3.5 GHz****Horizontal/Vertical for 3.5 GHz ~ 18 GHz****Horizontal/Vertical for 18 GHz ~ 26.5 GHz**

**Highest Channel (2 462 MHz)**

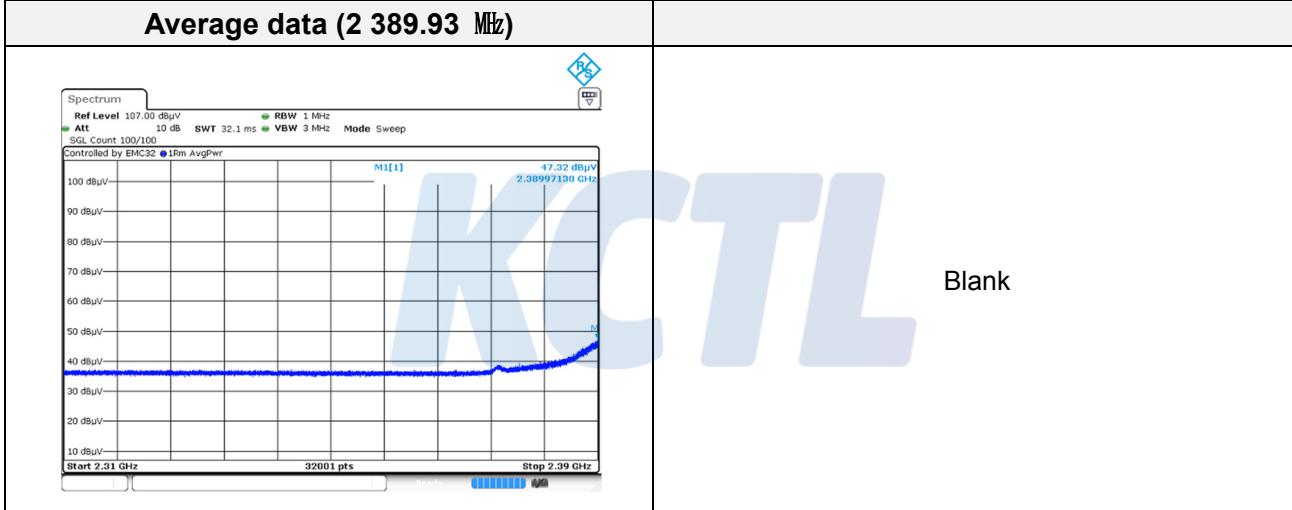
Frequency	Pol.	Reading	Ant. Factor	Amp. + Cable	DCCF	Result	Limit	Margin
(MHz)	(V/H)	(dB( $\mu$ V))	(dB)	(dB)	(dB)	(dB( $\mu$ V/m))	(dB( $\mu$ V/m))	(dB)
<b>Peak data</b>								
2 483.78 <sup>1)</sup>	V	58.00	32.07	-29.21	-	60.86	74.00	13.14
4 000.25 <sup>1)</sup>	H	73.45	33.00	-56.65	-	49.80	74.00	24.20
4 923.72 <sup>1)</sup>	V	60.73	33.97	-54.88	-	39.82	74.00	34.18
7 385.55 <sup>1)</sup>	V	60.88	35.40	-51.13	-	45.15	74.00	28.85
<b>Average Data</b>								
2 483.78 <sup>1)</sup>	V	47.36	32.07	-29.21	0.20	50.42	54.00	3.58



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

**802.11n HT20 ANT 1****Lowest Channel (2 412 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>								
2 389.93 <sup>1)</sup>	V	60.76	31.88	-29.04	-	63.60	74.00	10.40
4 000.25 <sup>1)</sup>	V	72.11	33.00	-56.65	-	48.46	74.00	25.54
4 824.94 <sup>1)</sup>	H	60.80	33.93	-52.85	-	41.88	74.00	32.12
7 236.92	V	62.80	35.40	-51.87	-	46.33	74.00	27.67
<b>Average Data</b>								
2 389.93 <sup>1)</sup>	V	47.32	31.88	-29.04	0.20	50.36	54.00	3.64

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