

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

Report No.:
KR19-SRF0165-C

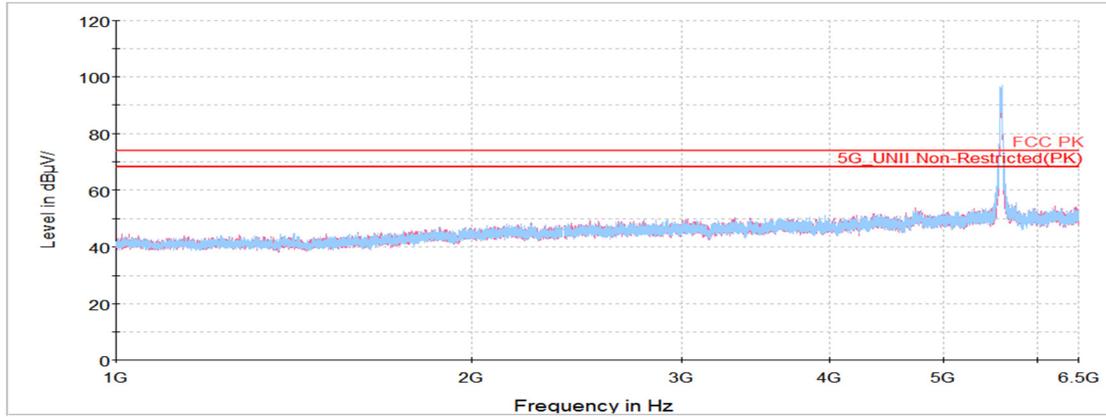
Page (178) of (220)

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

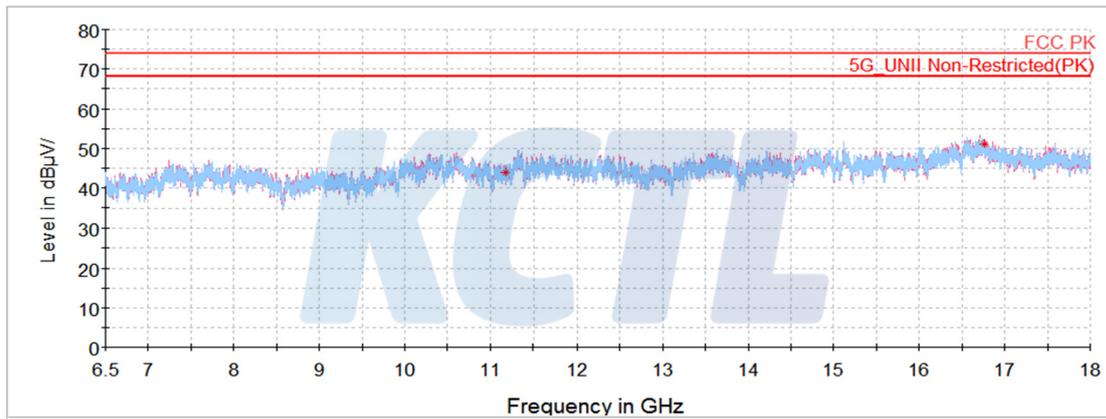
| Frequency (MHz) | Pol. (V/H) | Reading (dB(μ V)) | Ant. Factor (dB) | Amp.+Cable (dB) | DCCF (dB) | Result (dB(μ V/m)) | Limit (dB(μ V/m)) | Margin (dB) |
|----------------------------------------------------------------|---------------|---------------------------|---------------------|--------------------|--------------|----------------------------|---------------------------|----------------|
| Peak data | | | | | | | | |
| 11 180.14 ¹⁾ | H | 56.14 | 38.04 | -50.21 | - | 43.97 | 74.00 | 30.03 |
| 16 771.66 | V | 55.40 | 41.37 | -45.74 | - | 51.03 | 68.20 | 17.17 |
| Average Data | | | | | | | | |
| No spurious emissions were detected within 20 dB of the limit. | | | | | | | | |

KCTL

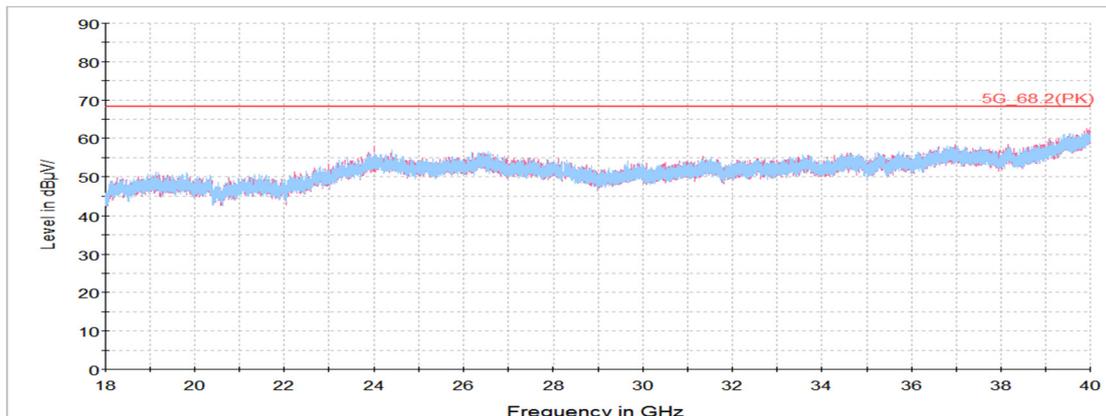
Horizontal/Vertical for 1 GHz ~ 6.5 GHz



Horizontal/Vertical for 6.5 GHz ~ 18 GHz



Horizontal/Vertical for 18 GHz ~ 40 GHz



KCTL Inc.

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

Report No.:
KR19-SRF0165-C

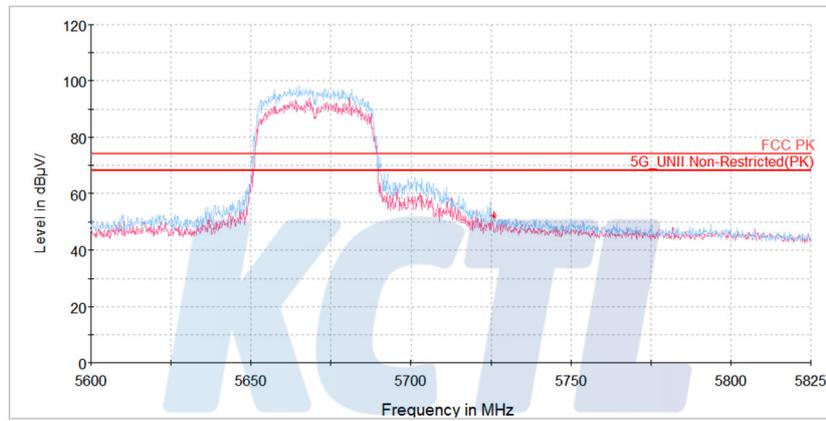
Page (180) of (220)



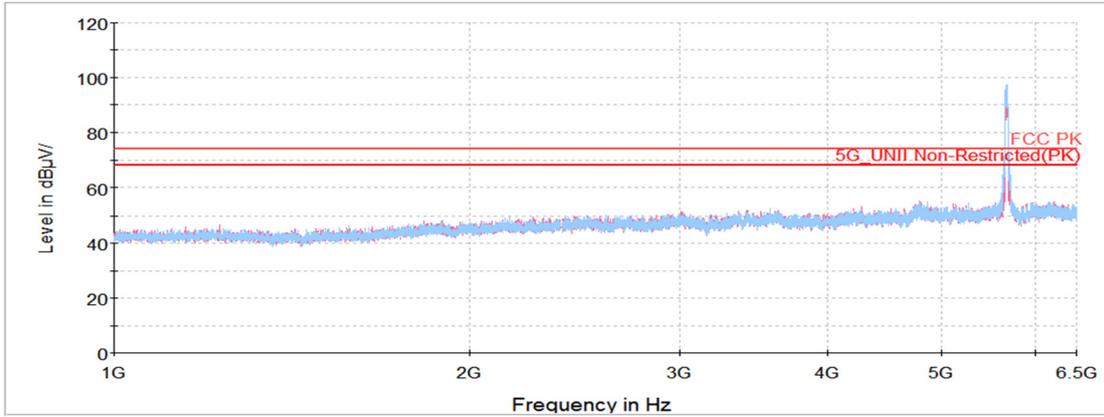
Highest Channel (5 670 MHz)

| Frequency (MHz) | Pol. (V/H) | Reading (dB(μ V)) | Ant. Factor (dB) | Amp.+Cable (dB) | DCCF (dB) | Result (dB(μ V/m)) | Limit (dB(μ V/m)) | Margin (dB) |
|----------------------------------------------------------------|---------------|---------------------------|---------------------|--------------------|--------------|----------------------------|---------------------------|----------------|
| Peak data | | | | | | | | |
| 5 725.88 | H | 43.21 | 35.07 | -25.93 | - | 52.35 | 68.20 | 15.85 |
| 11 341.50 ¹⁾ | V | 57.71 | 37.90 | -50.27 | - | 45.34 | 74.00 | 28.66 |
| 17 009.56 | H | 55.60 | 41.30 | -46.94 | - | 49.96 | 68.20 | 18.24 |
| Average Data | | | | | | | | |
| No spurious emissions were detected within 20 dB of the limit. | | | | | | | | |

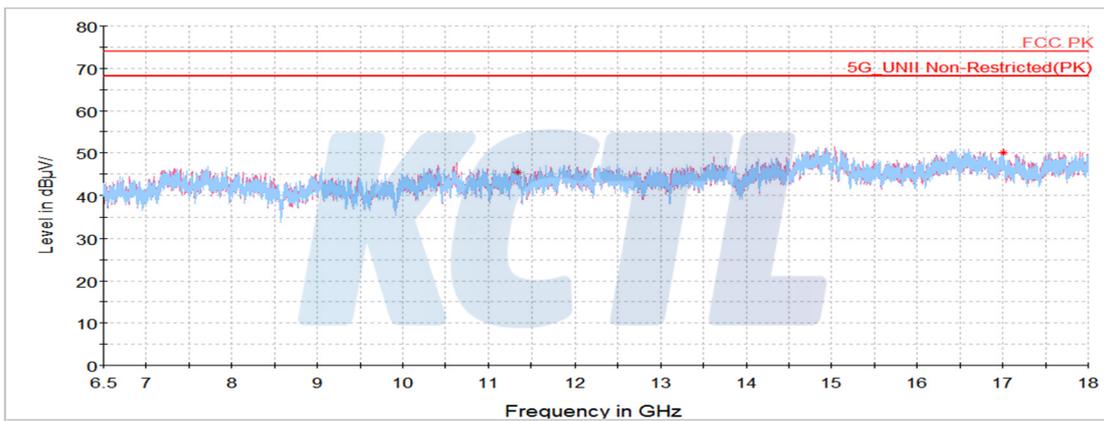
Horizontal/Vertical for Band-edge



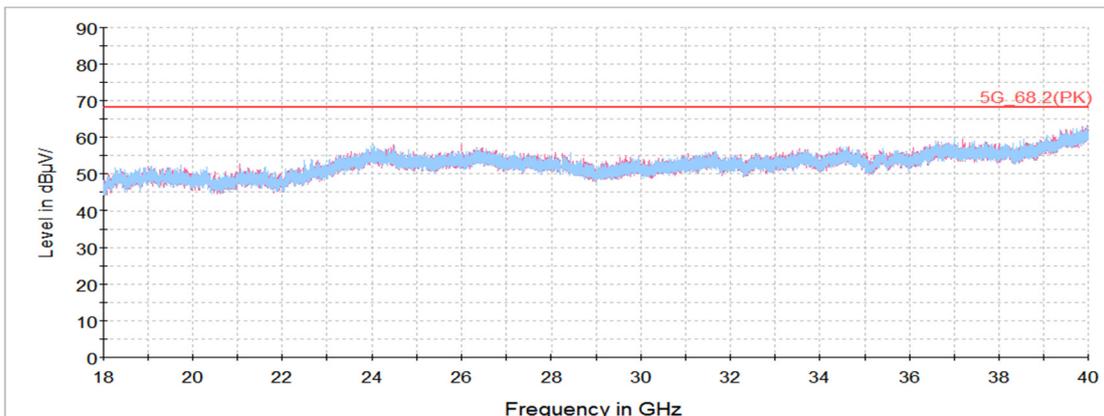
Horizontal/Vertical for 1 GHz ~ 6.5 GHz



Horizontal/Vertical for 6.5 GHz ~ 18 GHz



Horizontal/Vertical for 18 GHz ~ 40 GHz



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

Report No.:
KR19-SRF0165-C

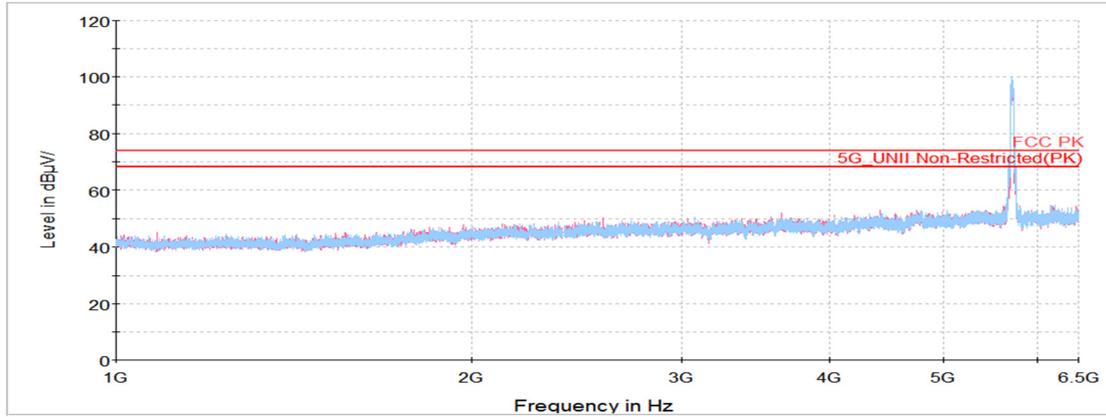
Page (182) of (220)

KCTL**Straddle Channel (5 710 MHz)**

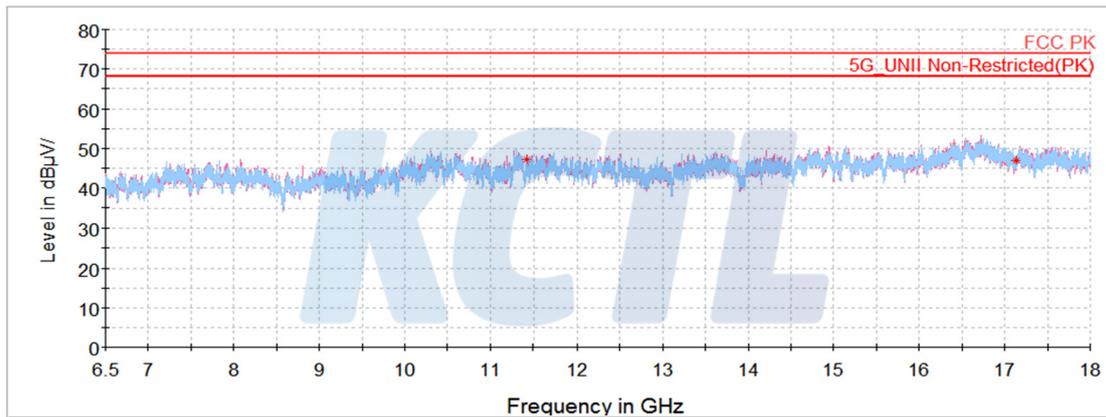
| Frequency (MHz) | Pol. (V/H) | Reading (dB(μ V)) | Ant. Factor (dB) | Amp.+Cable (dB) | DCCF (dB) | Result (dB(μ V/m)) | Limit (dB(μ V/m)) | Margin (dB) |
|----------------------------------------------------------------|---------------|---------------------------|---------------------|--------------------|--------------|----------------------------|---------------------------|----------------|
| Peak data | | | | | | | | |
| 11 420.92 ¹⁾ | H | 57.63 | 38.24 | -48.63 | - | 47.24 | 74.00 | 26.76 |
| 17 130.31 | H | 51.97 | 41.23 | -46.39 | - | 46.81 | 68.20 | 21.39 |
| Average Data | | | | | | | | |
| No spurious emissions were detected within 20 dB of the limit. | | | | | | | | |

KCTL

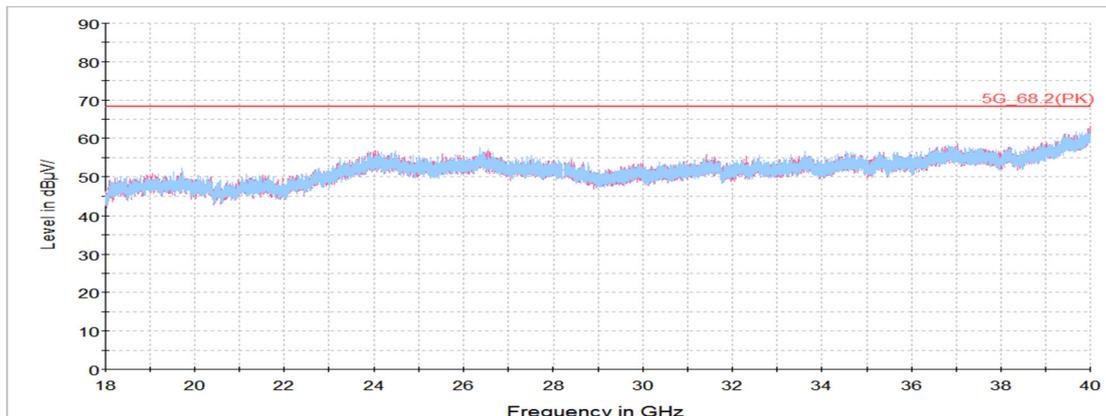
Horizontal/Vertical for 1 GHz ~ 6.5 GHz



Horizontal/Vertical for 6.5 GHz ~ 18 GHz



Horizontal/Vertical for 18 GHz ~ 40 GHz



KCTL Inc.

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

Report No.:
KR19-SRF0165-C

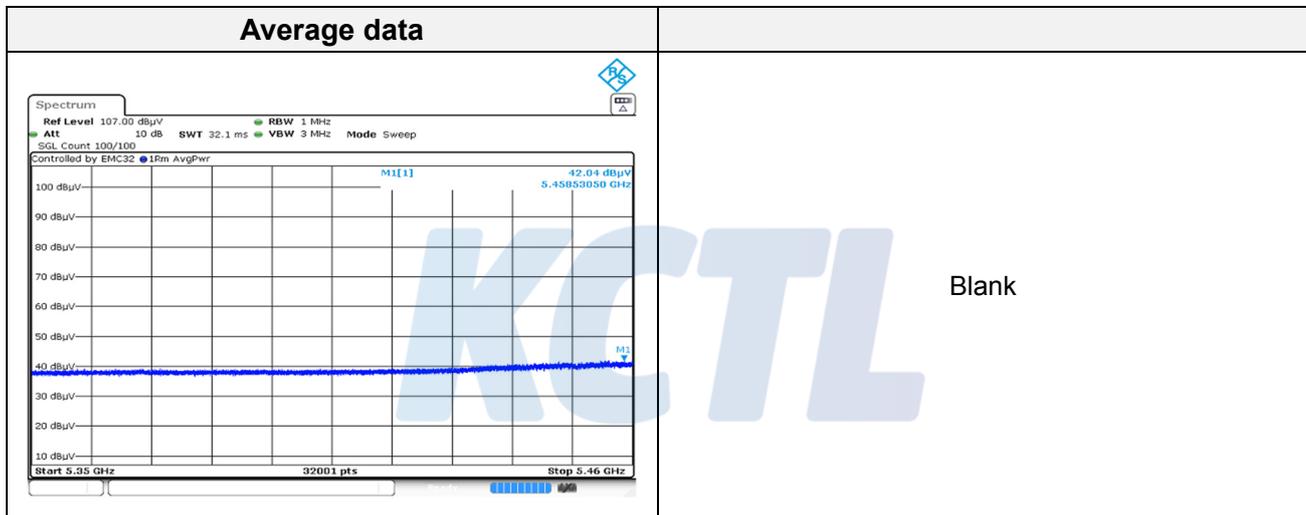
Page (184) of (220)



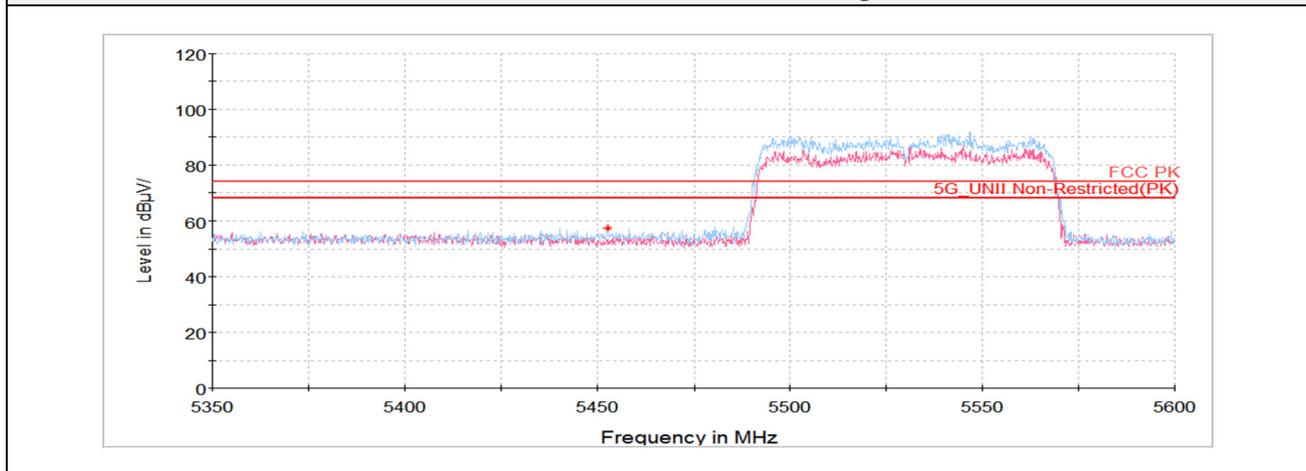
802.11ac VHT80 UNII-2C

Lowest Channel (5 530 MHz)

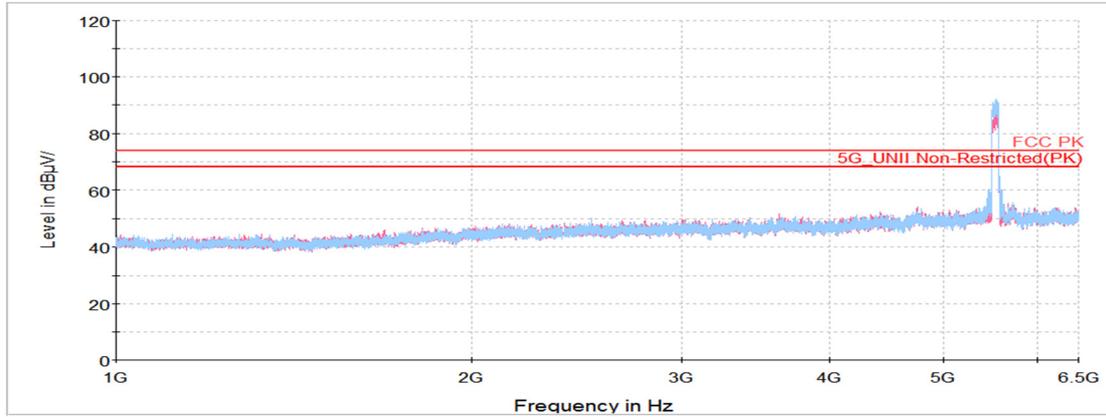
| Frequency | Pol. | Reading | Ant. Factor | Amp.+Cable | DCCF | Result | Limit | Margin |
|-------------------------|-------|----------|-------------|------------|------|------------|------------|--------|
| (MHz) | (V/H) | (dB(μV)) | (dB) | (dB) | (dB) | (dB(μV/m)) | (dB(μV/m)) | (dB) |
| Peak data | | | | | | | | |
| 5 458.53 ¹⁾ | H | 50.18 | 34.46 | -27.34 | - | 57.30 | 74.00 | 16.70 |
| 11 060.11 ¹⁾ | V | 57.97 | 37.95 | -50.99 | - | 44.93 | 74.00 | 29.07 |
| 16 590.89 | V | 54.34 | 41.19 | -45.46 | - | 50.07 | 68.20 | 18.13 |
| Average Data | | | | | | | | |
| 5 458.53 ¹⁾ | H | 42.04 | 34.46 | -27.34 | 1.25 | 50.41 | 54.00 | 3.59 |



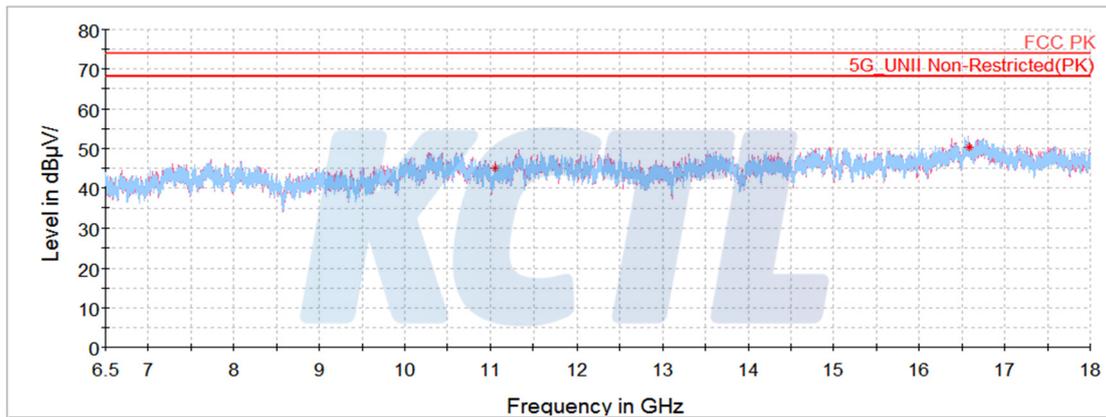
Horizontal/Vertical for Band-edge



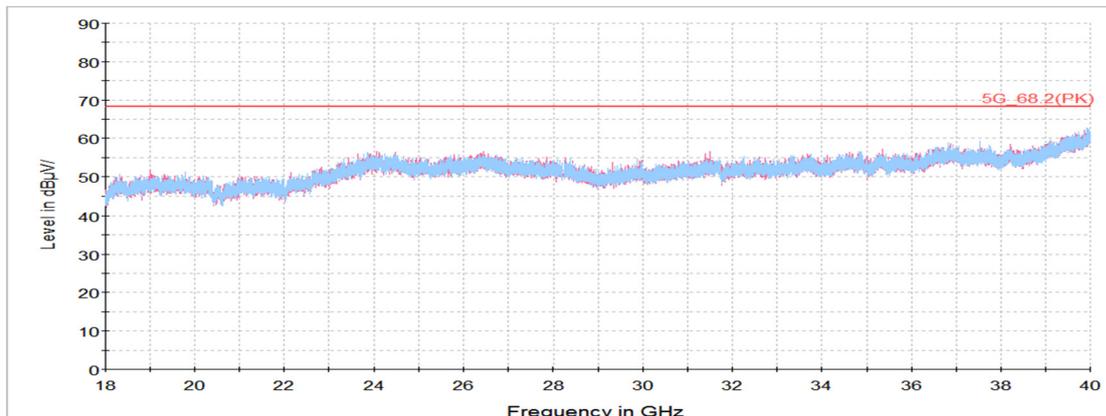
Horizontal/Vertical for 1 GHz ~ 6.5 GHz



Horizontal/Vertical for 6.5 GHz ~ 18 GHz



Horizontal/Vertical for 18 GHz ~ 40 GHz



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

Report No.:
KR19-SRF0165-C

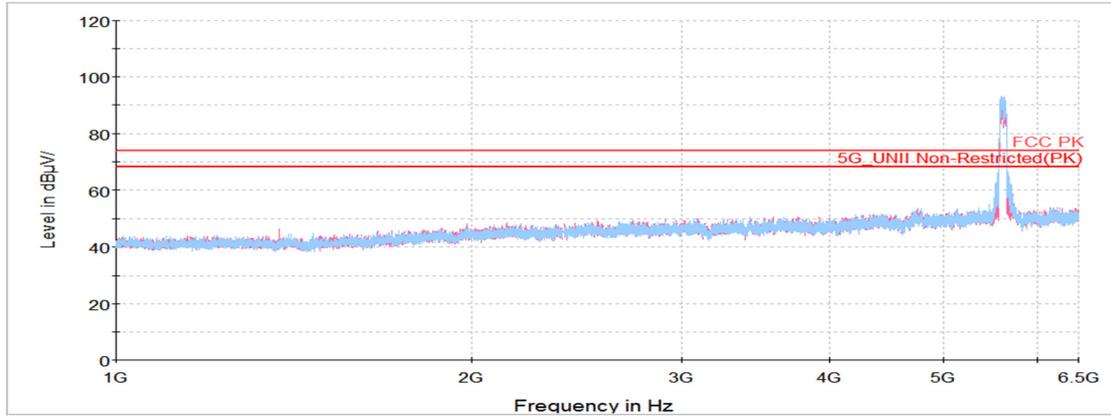
Page (186) of (220)

KCTL**Highest Channel (5 610 MHz)**

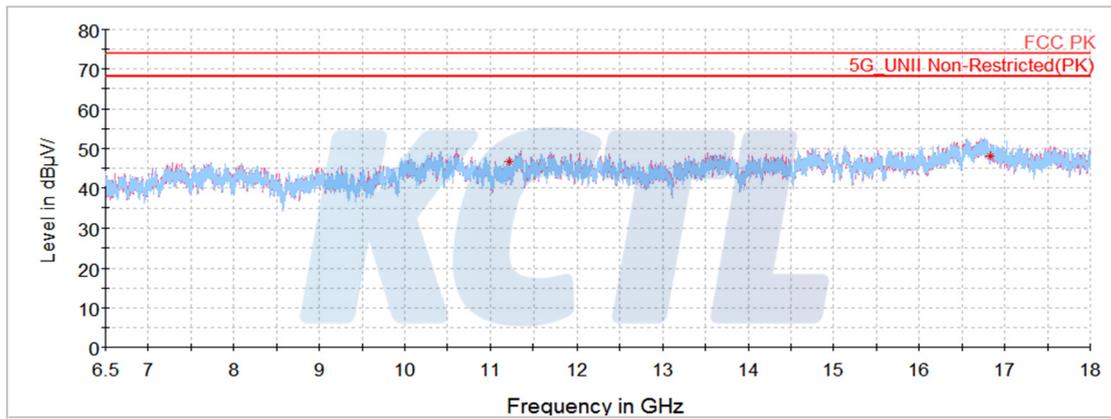
| Frequency (MHz) | Pol. (V/H) | Reading (dB(μ V)) | Ant. Factor (dB) | Amp.+Cable (dB) | DCCF (dB) | Result (dB(μ V/m)) | Limit (dB(μ V/m)) | Margin (dB) |
|----------------------------------------------------------------|---------------|---------------------------|---------------------|--------------------|--------------|----------------------------|---------------------------|----------------|
| Peak data | | | | | | | | |
| 11 220.03 ¹⁾ | V | 58.36 | 38.08 | -49.95 | - | 46.49 | 74.00 | 27.51 |
| 16 830.23 | V | 52.47 | 41.43 | -45.83 | - | 48.07 | 68.20 | 20.13 |
| Average Data | | | | | | | | |
| No spurious emissions were detected within 20 dB of the limit. | | | | | | | | |

KCTL

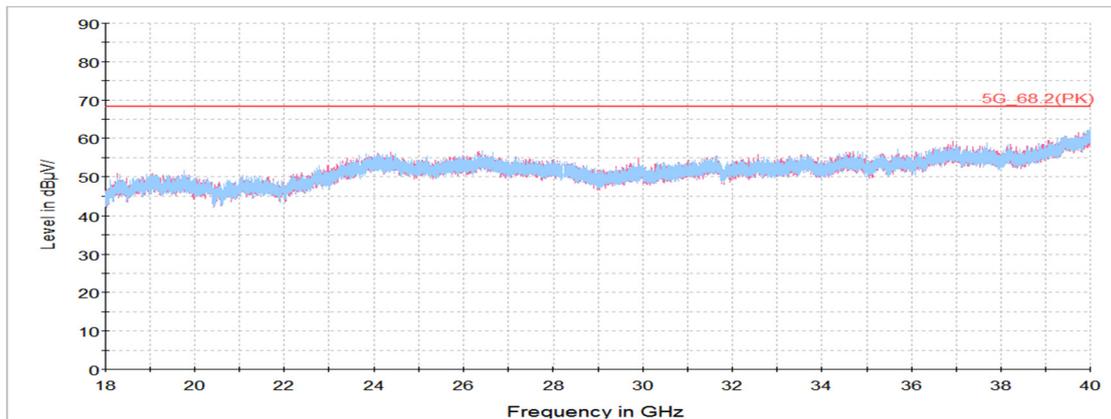
Horizontal/Vertical for 1 GHz ~ 6.5 GHz



Horizontal/Vertical for 6.5 GHz ~ 18 GHz



Horizontal/Vertical for 18 GHz ~ 40 GHz



KCTL Inc.

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

Report No.:
KR19-SRF0165-C

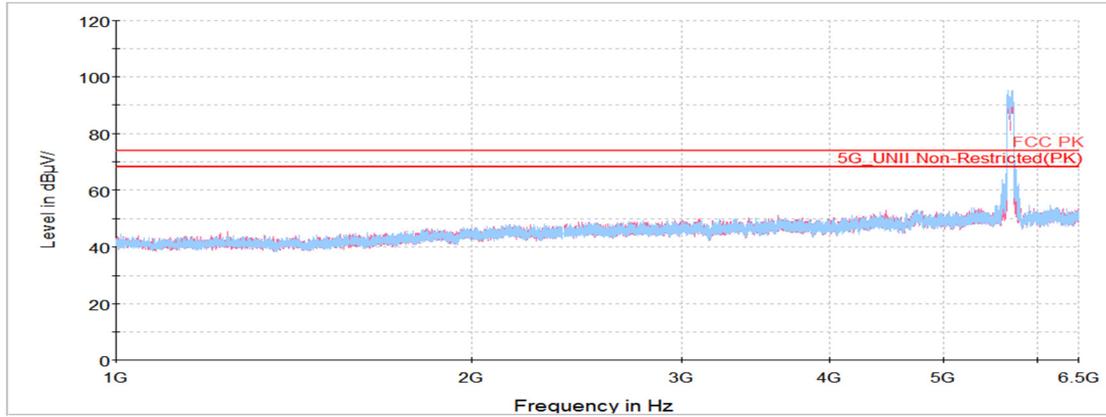
Page (188) of (220)

KCTL**Straddle Channel (5 690 MHz)**

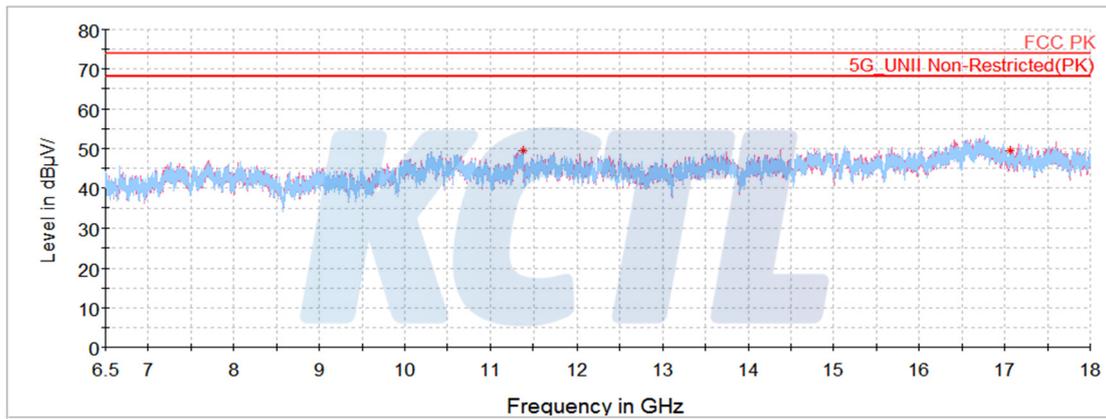
| Frequency (MHz) | Pol. (V/H) | Reading (dB(μ V)) | Ant. Factor (dB) | Amp.+Cable (dB) | DCCF (dB) | Result (dB(μ V/m)) | Limit (dB(μ V/m)) | Margin (dB) |
|----------------------------------------------------------------|---------------|---------------------------|---------------------|--------------------|--------------|----------------------------|---------------------------|----------------|
| Peak data | | | | | | | | |
| 11 378.88 ¹⁾ | H | 59.96 | 38.20 | -48.91 | - | 49.25 | 74.00 | 24.75 |
| 17 070.66 | V | 54.54 | 41.21 | -46.25 | - | 49.50 | 68.20 | 18.70 |
| Average Data | | | | | | | | |
| No spurious emissions were detected within 20 dB of the limit. | | | | | | | | |

KCTL

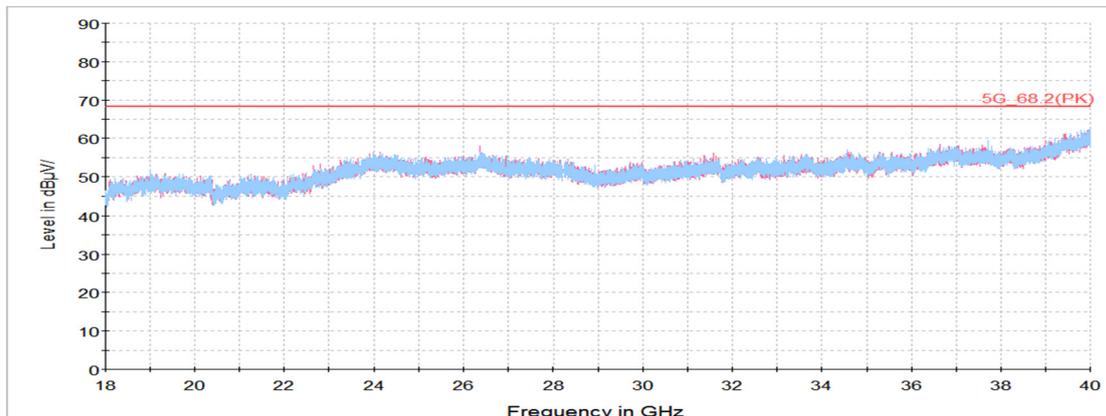
Horizontal/Vertical for 1 GHz ~ 6.5 GHz



Horizontal/Vertical for 6.5 GHz ~ 18 GHz

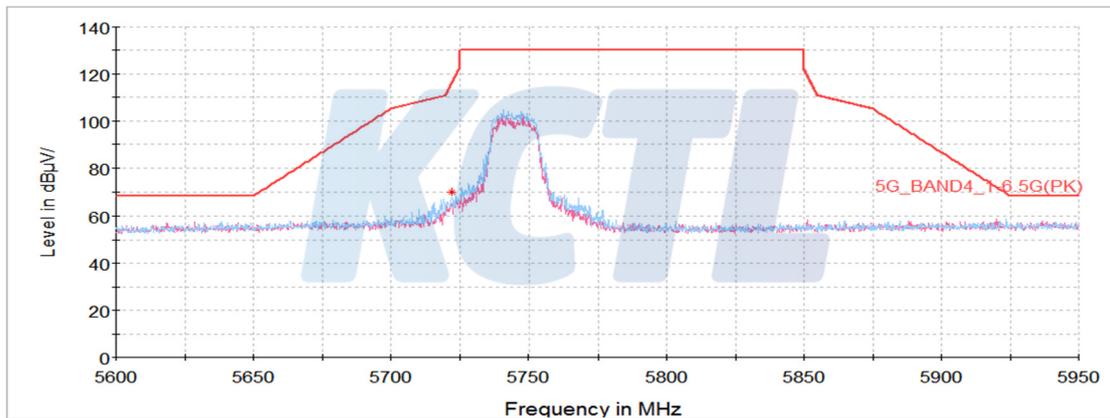


Horizontal/Vertical for 18 GHz ~ 40 GHz

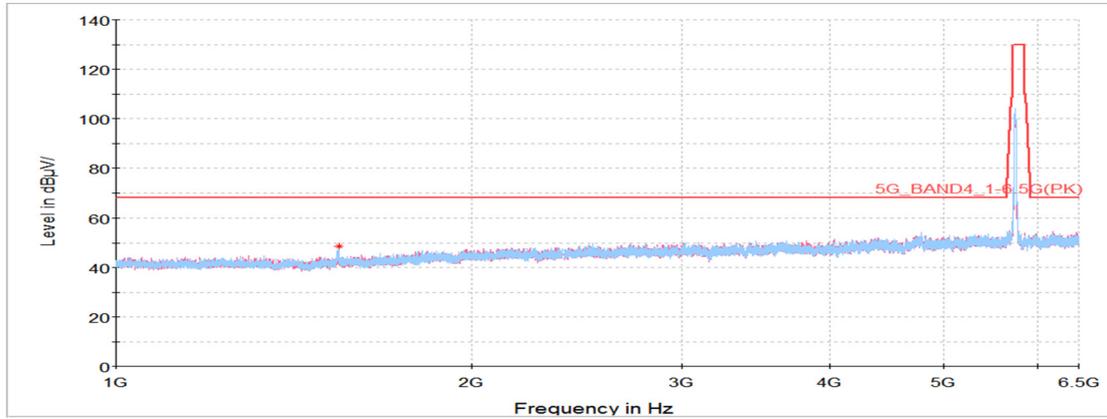


802.11a UNII-3**Lowest Channel (5 745 MHz)**

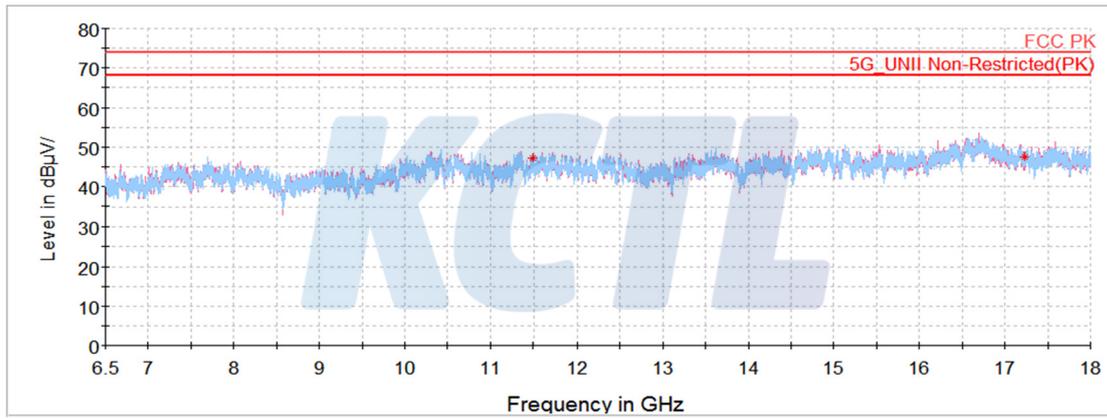
| Frequency (MHz) | Pol. (V/H) | Reading (dB(μ V)) | Ant. Factor (dB) | Amp.+Cable (dB) | DCCF (dB) | Result (dB(μ V/m)) | Limit (dB(μ V/m)) | Margin (dB) |
|----------------------------------------------------------------|---------------|---------------------------|---------------------|--------------------|--------------|----------------------------|---------------------------|----------------|
| Peak data | | | | | | | | |
| 1 544.33 ¹⁾ | H | 71.10 | 27.55 | -50.00 | - | 48.65 | 74.00 | 25.35 |
| 5 722.27 | H | 60.93 | 34.77 | -25.88 | - | 69.82 | 115.97 | 46.14 |
| 11 490.28 ¹⁾ | V | 56.97 | 38.29 | -48.18 | - | 47.08 | 74.00 | 26.92 |
| 17 235.25 | H | 52.74 | 41.25 | -46.64 | - | 47.35 | 68.20 | 20.85 |
| Average Data | | | | | | | | |
| 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

