

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.:
KR20-SRF0037

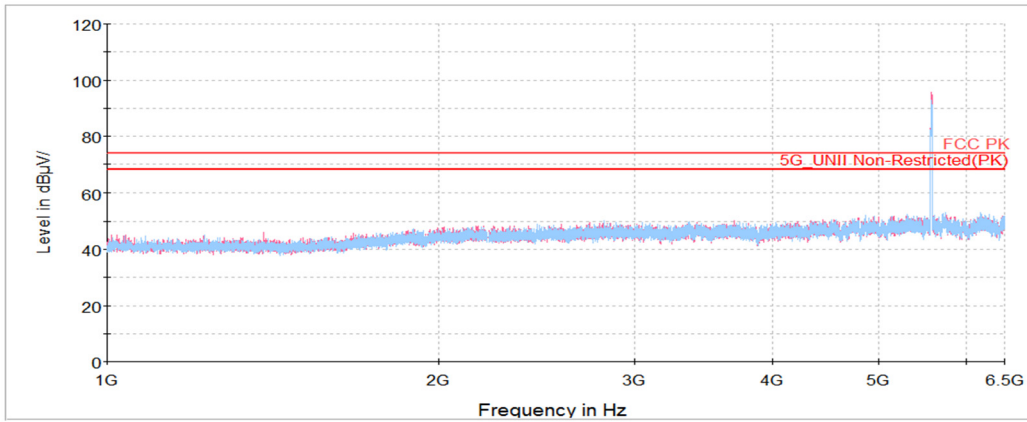
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KCTL**Middle Channel (5 580 MHz)**

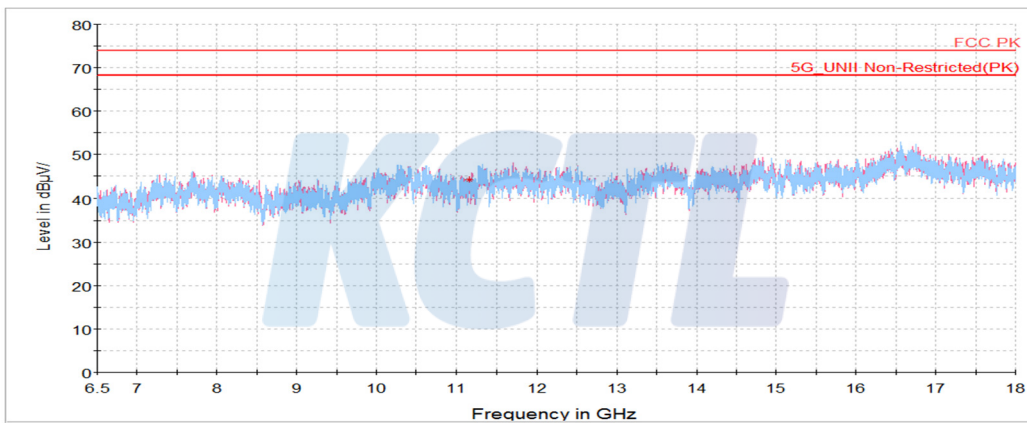
| Frequency | Pol. | Reading | Ant. Factor | Amp.+Cable | DCCF | Result | Limit | Margin |
|--|-------|-----------------|-------------|------------|------|-------------------|-------------------|--------|
| (MHz) | (V/H) | (dB(μV)) | (dB) | (dB) | (dB) | (dB($\mu V/m$)) | (dB($\mu V/m$)) | (dB) |
| Peak data | | | | | | | | |
| 11 160.38 ¹⁾ | H | 56.74 | 37.86 | -50.34 | - | 44.26 | 74.00 | 29.74 |
| Average Data | | | | | | | | |
| No spurious emissions were detected within 20 dB of the limit. | | | | | | | | |

KCTL

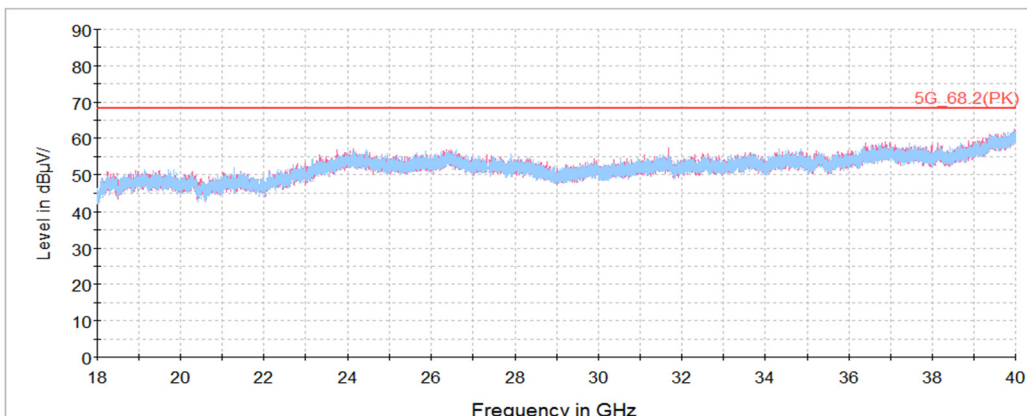
Horizontal/Vertical for 1 GHz ~ 6.5 GHz



Horizontal/Vertical for 6.5 GHz ~ 18 GHz



Horizontal/Vertical for 18 GHz ~ 40 GHz



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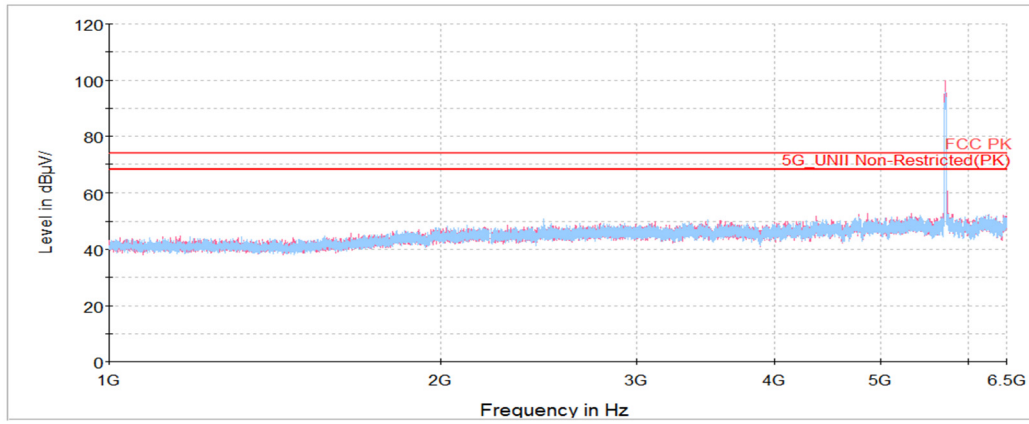
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KCTL**Highest Channel (5 720 MHz)**

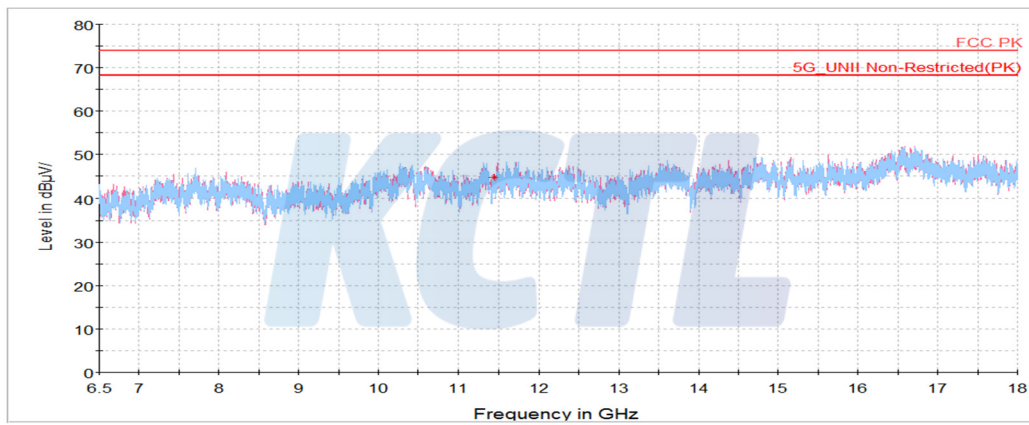
| Frequency | Pol. | Reading | Ant. Factor | Amp.+Cable | DCCF | Result | Limit | Margin |
|--|-------|----------------|-------------|------------|------|------------------|------------------|--------|
| (MHz) | (V/H) | (dB(μ V)) | (dB) | (dB) | (dB) | (dB(μ V/m)) | (dB(μ V/m)) | (dB) |
| Peak data | | | | | | | | |
| 11 440.33 ¹⁾ | V | 55.02 | 38.14 | -48.51 | - | 44.65 | 74.00 | 29.35 |
| Average Data | | | | | | | | |
| No spurious emissions were detected within 20 dB of the limit. | | | | | | | | |

KCTL

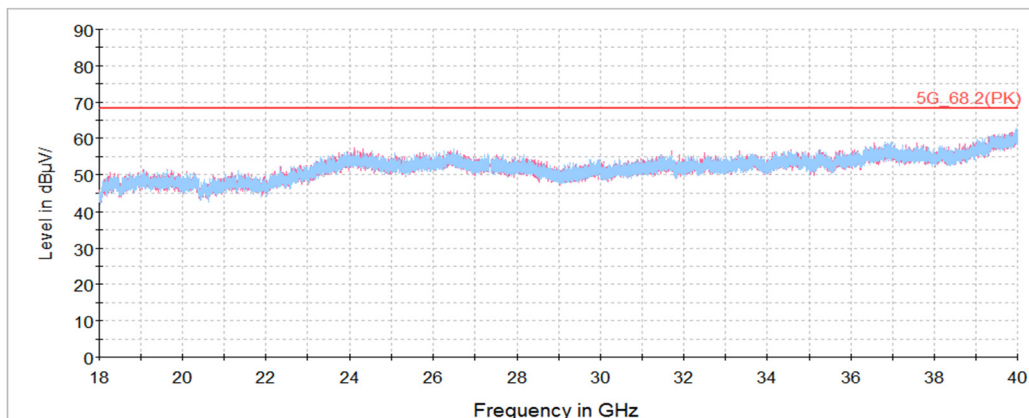
Horizontal/Vertical for 1 GHz ~ 6.5 GHz



Horizontal/Vertical for 6.5 GHz ~ 18 GHz



Horizontal/Vertical for 18 GHz ~ 40 GHz



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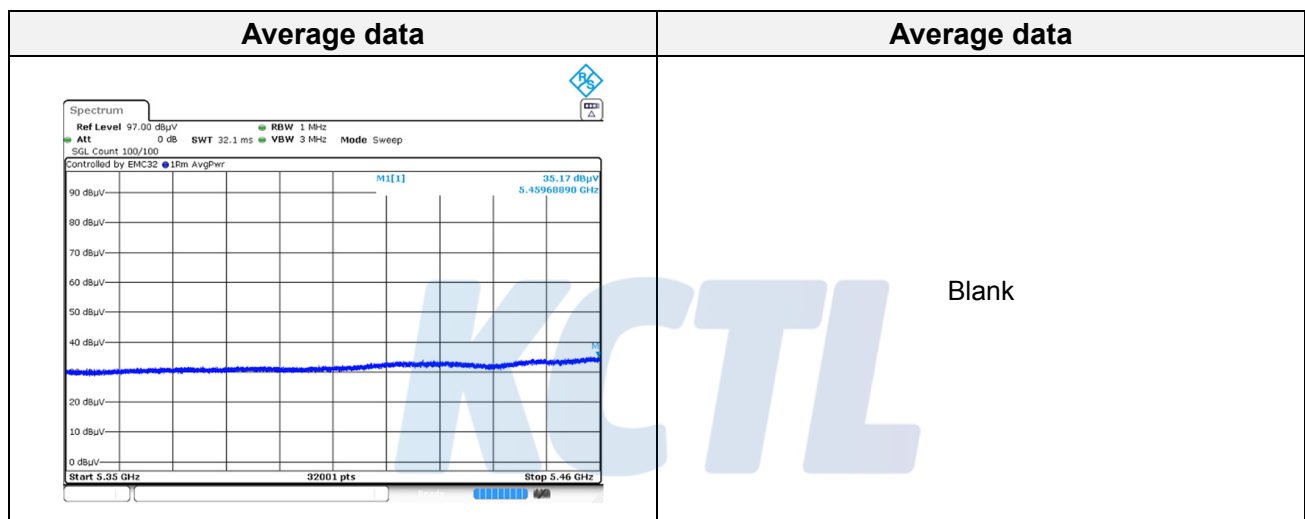
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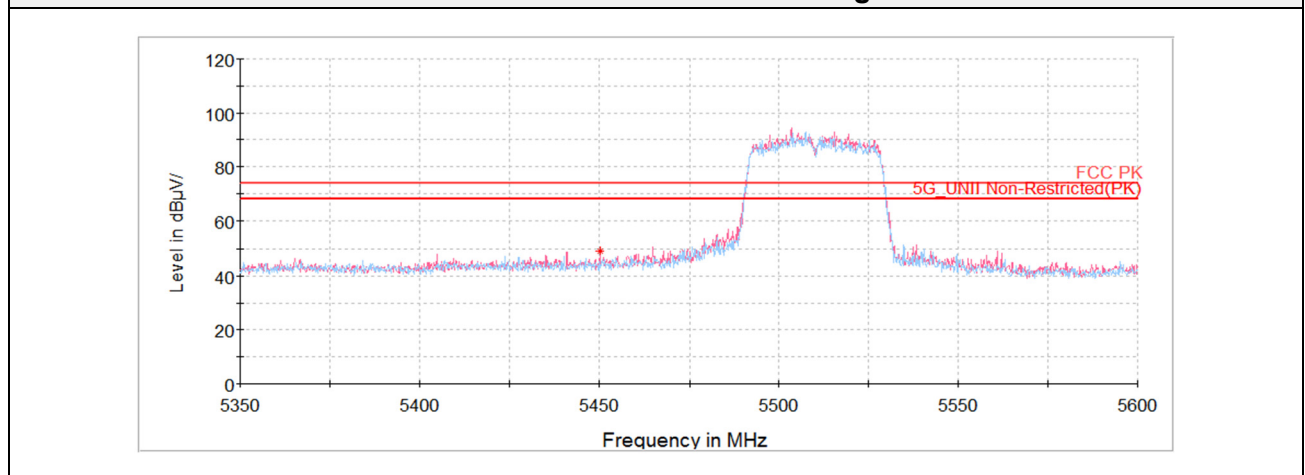
802.11ac VHT40 UNII-2C

Lowest Channel (5 510 MHz)

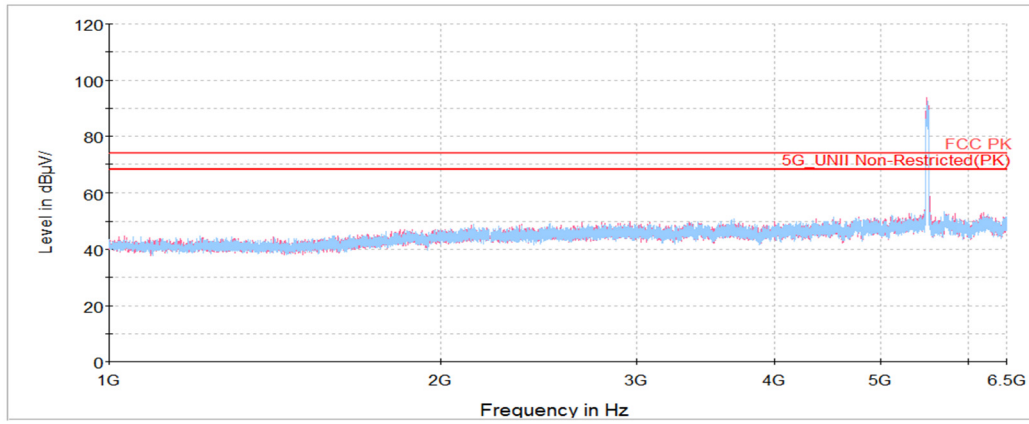
| Frequency | Pol. | Reading | Ant. Factor | Amp.+Cable | DCCF | Result | Limit | Margin |
|-------------------------|-------|----------|-------------|------------|------|------------|------------|--------|
| (MHz) | (V/H) | (dB(μV)) | (dB) | (dB) | (dB) | (dB(μV/m)) | (dB(μV/m)) | (dB) |
| Peak data | | | | | | | | |
| 5 459.69 ¹⁾ | V | 42.22 | 34.45 | -27.35 | - | 49.32 | 74.00 | 24.68 |
| 11 020.94 ¹⁾ | H | 53.63 | 37.72 | -51.25 | - | 40.10 | 74.00 | 33.90 |
| Average Data | | | | | | | | |
| 5 459.69 ¹⁾ | V | 35.17 | 34.45 | -27.35 | 0.62 | 42.89 | 54.00 | 11.11 |



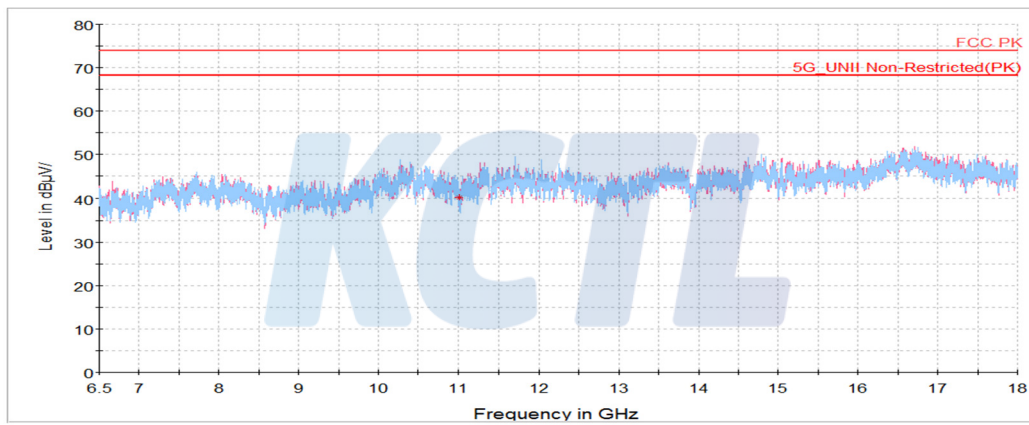
Horizontal/Vertical for Band-edge



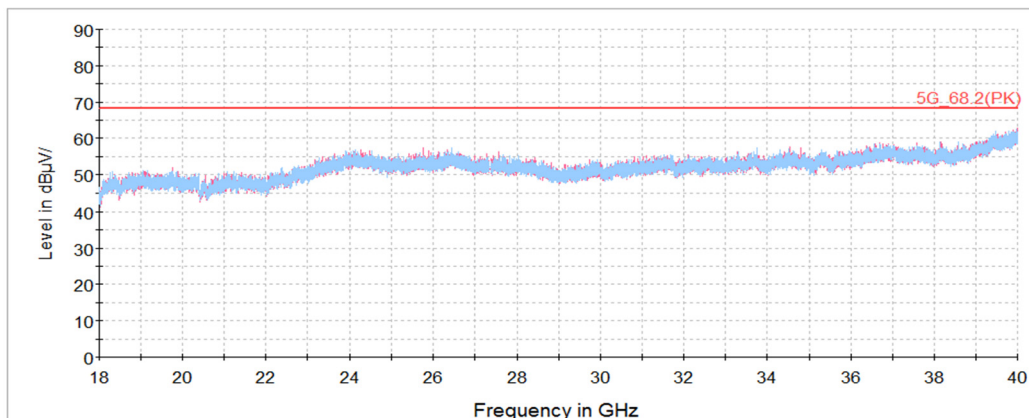
Horizontal/Vertical for 1 GHz ~ 6.5 GHz



Horizontal/Vertical for 6.5 GHz ~ 18 GHz



Horizontal/Vertical for 18 GHz ~ 40 GHz



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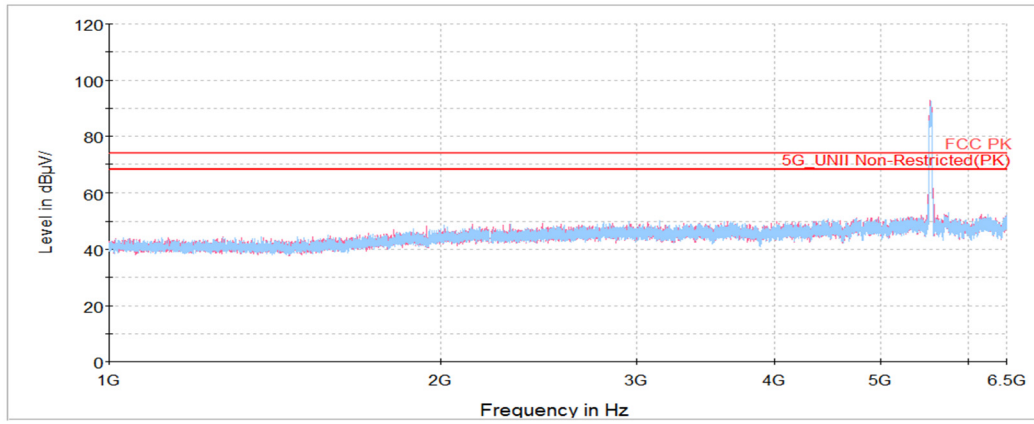
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KCTL**Middle Channel (5 550 MHz)**

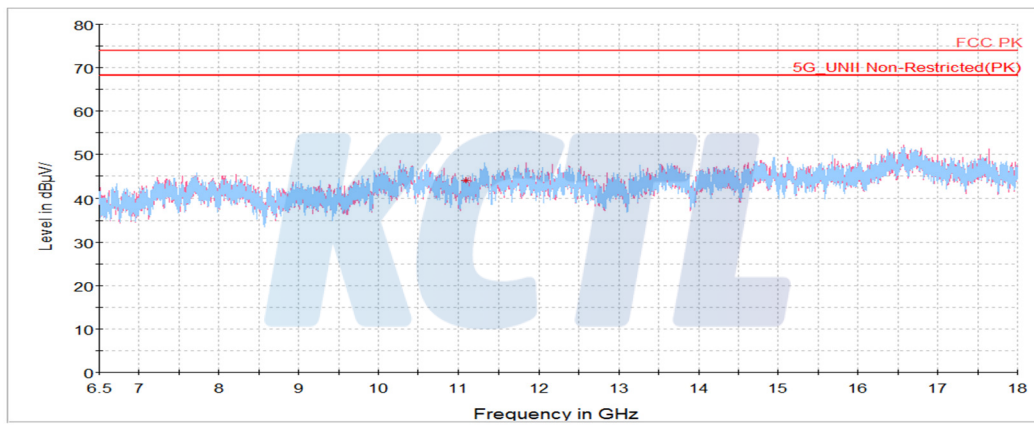
| Frequency | Pol. | Reading | Ant. Factor | Amp.+Cable | DCCF | Result | Limit | Margin |
|--|-------|-----------------|-------------|------------|------|-------------------|-------------------|--------|
| (MHz) | (V/H) | (dB(μV)) | (dB) | (dB) | (dB) | (dB($\mu V/m$)) | (dB($\mu V/m$)) | (dB) |
| Peak data | | | | | | | | |
| 11 100.36 ¹⁾ | H | 57.01 | 37.80 | -50.73 | - | 44.08 | 74.00 | 29.92 |
| Average Data | | | | | | | | |
| No spurious emissions were detected within 20 dB of the limit. | | | | | | | | |

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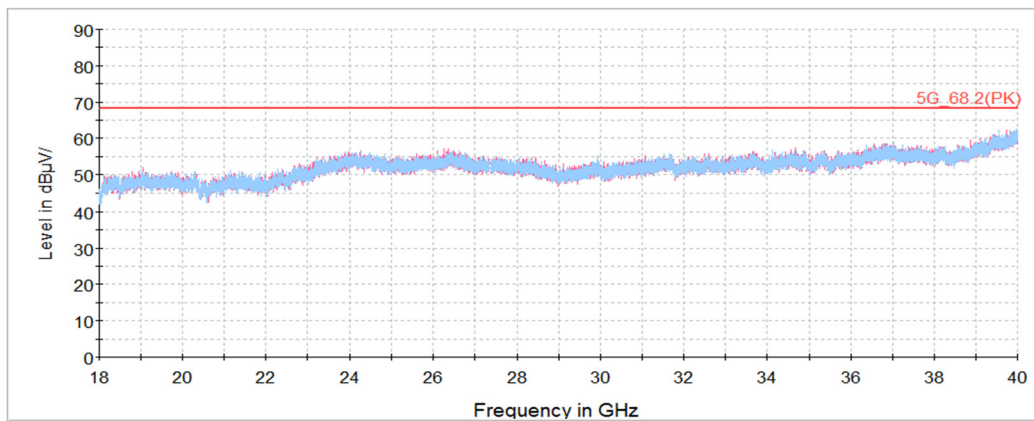
Horizontal/Vertical for 1 GHz ~ 6.5 GHz



Horizontal/Vertical for 6.5 GHz ~ 18 GHz



Horizontal/Vertical for 18 GHz ~ 40 GHz



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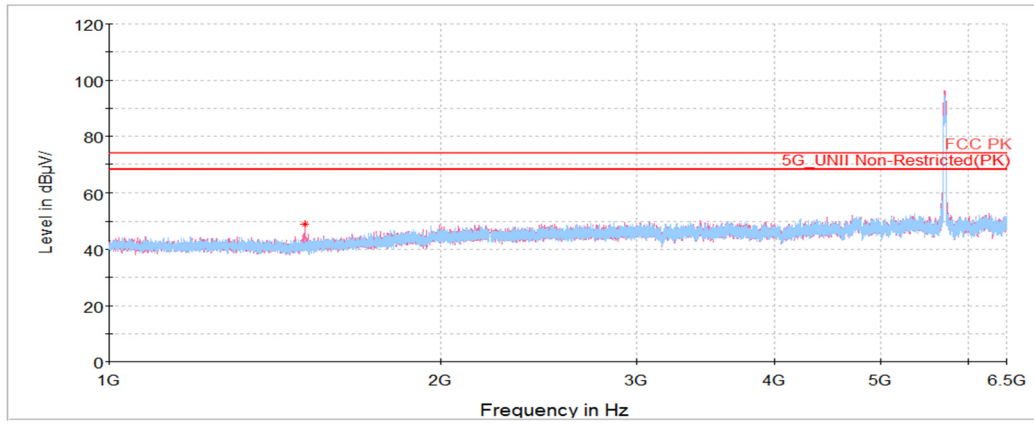
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**Highest Channel (5 710 MHz)**

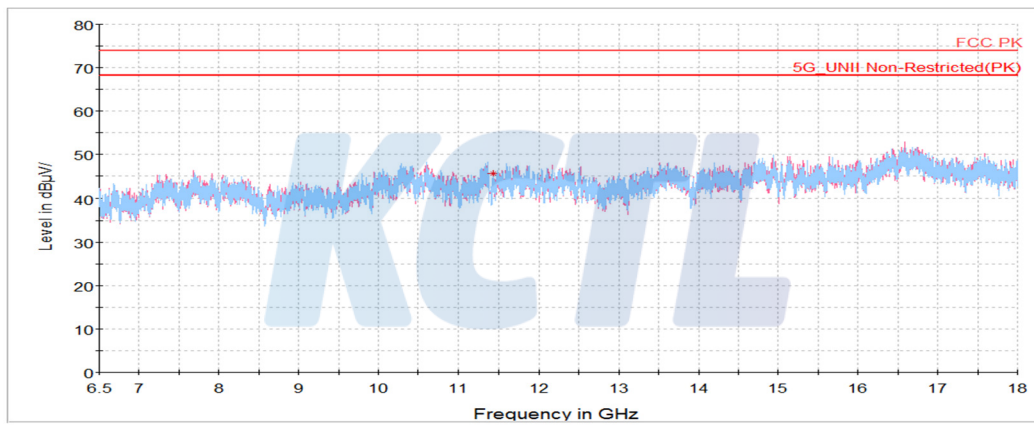
| Frequency | Pol. | Reading | Ant. Factor | Amp.+Cable | DCCF | Result | Limit | Margin |
|--|-------|-----------------|-------------|------------|------|-------------------|-------------------|--------|
| (MHz) | (V/H) | (dB(μV)) | (dB) | (dB) | (dB) | (dB($\mu V/m$)) | (dB($\mu V/m$)) | (dB) |
| Peak data | | | | | | | | |
| 11 420.20 ¹⁾ | H | 56.20 | 38.12 | -48.64 | - | 45.68 | 74.00 | 28.32 |
| Average Data | | | | | | | | |
| No spurious emissions were detected within 20 dB of the limit. | | | | | | | | |



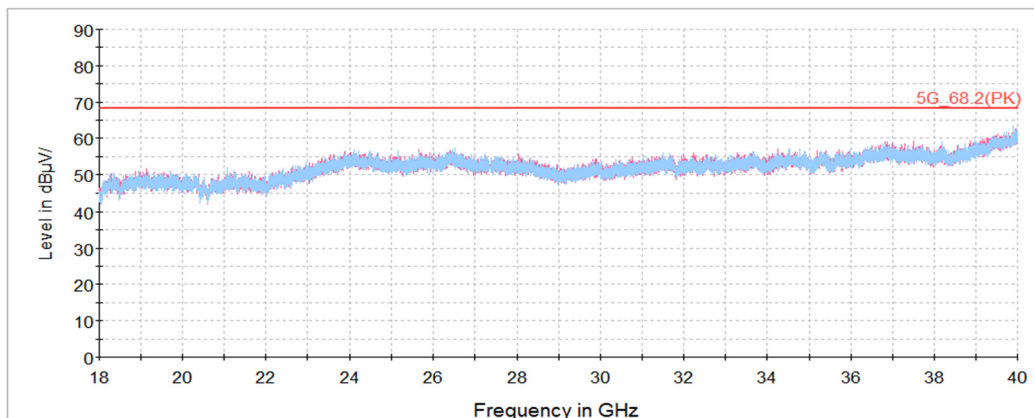
Horizontal/Vertical for 1 GHz ~ 6.5 GHz



Horizontal/Vertical for 6.5 GHz ~ 18 GHz



Horizontal/Vertical for 18 GHz ~ 40 GHz



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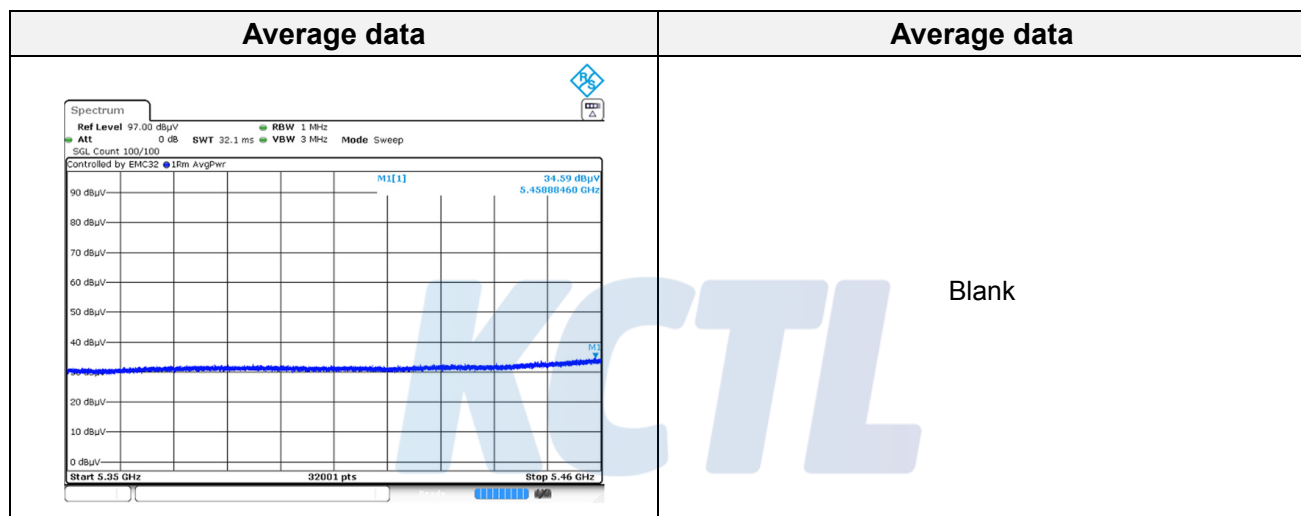
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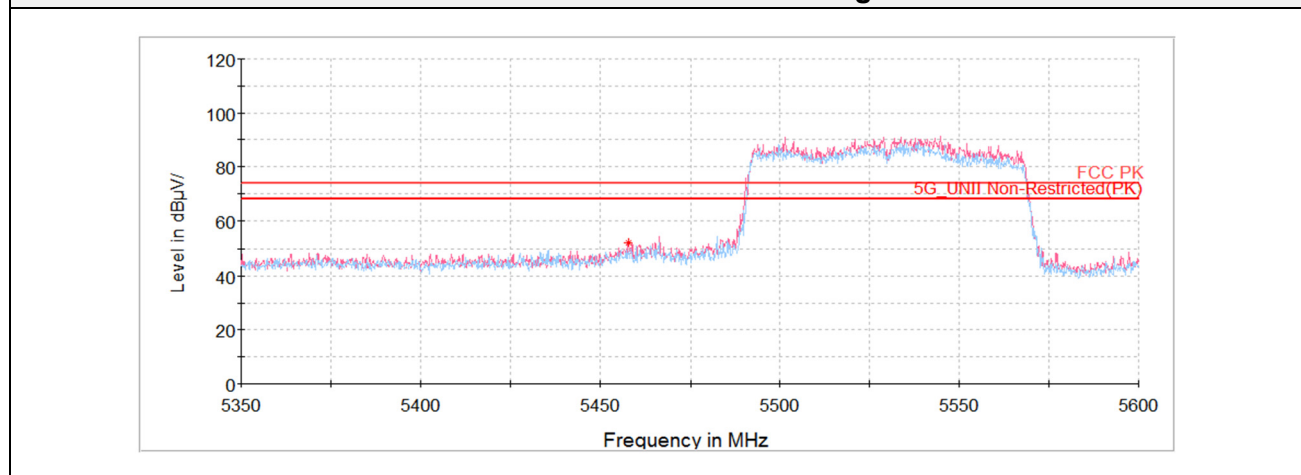
802.11ac VHT80 UNII-2C

Lowest Channel (5 530 MHz)

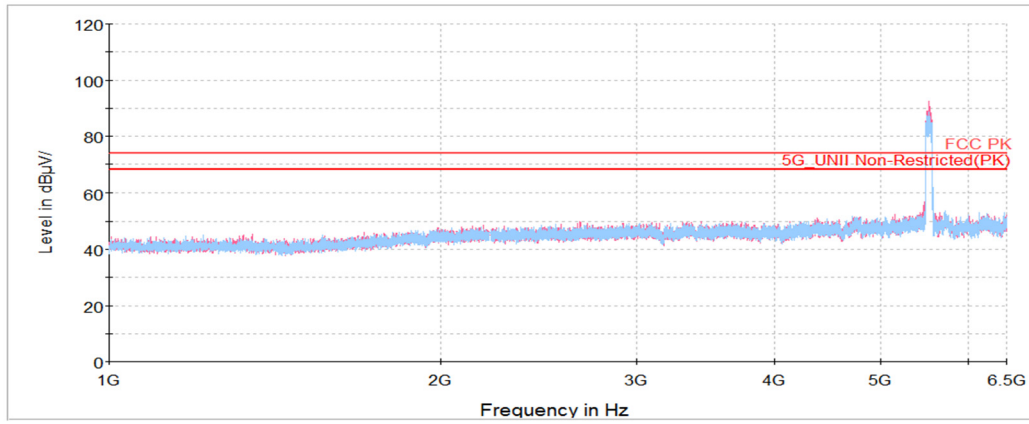
| Frequency | Pol. | Reading | Ant. Factor | Amp.+Cable | DCCF | Result | Limit | Margin |
|-------------------------|-------|----------|-------------|------------|------|------------|------------|--------|
| (MHz) | (V/H) | (dB(μV)) | (dB) | (dB) | (dB) | (dB(μV/m)) | (dB(μV/m)) | (dB) |
| Peak data | | | | | | | | |
| 5 458.88 ¹⁾ | V | 45.18 | 34.45 | -27.34 | - | 52.29 | 74.00 | 21.71 |
| 11 060.47 ¹⁾ | H | 58.62 | 37.76 | -50.99 | - | 45.39 | 74.00 | 28.61 |
| Average Data | | | | | | | | |
| 5 458.88 ¹⁾ | V | 34.59 | 34.45 | -27.34 | 1.16 | 42.86 | 54.00 | 11.14 |



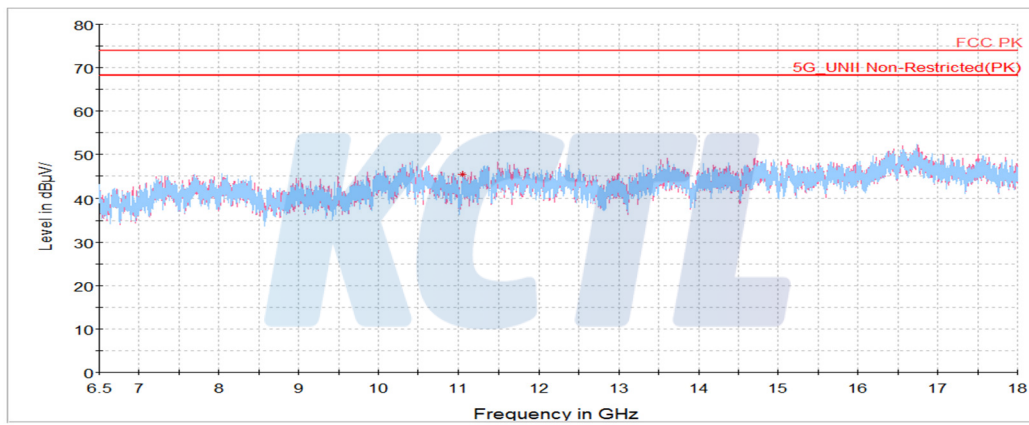
Horizontal/Vertical for Band-edge



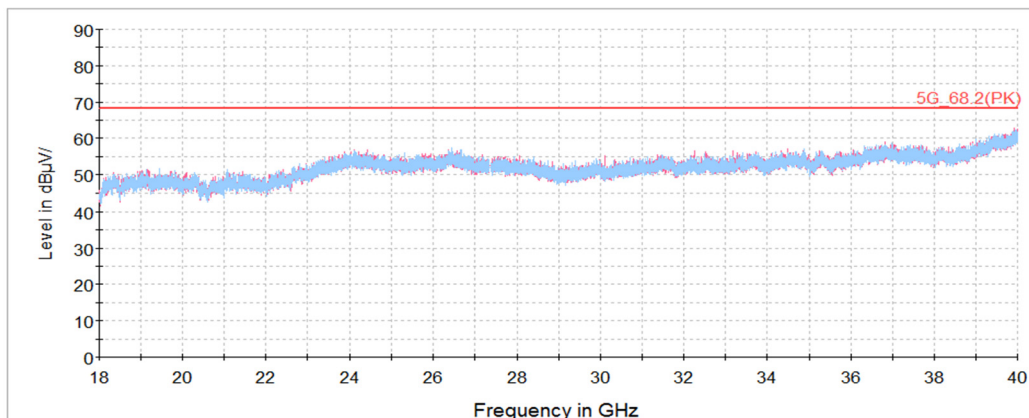
Horizontal/Vertical for 1 GHz ~ 6.5 GHz



Horizontal/Vertical for 6.5 GHz ~ 18 GHz



Horizontal/Vertical for 18 GHz ~ 40 GHz



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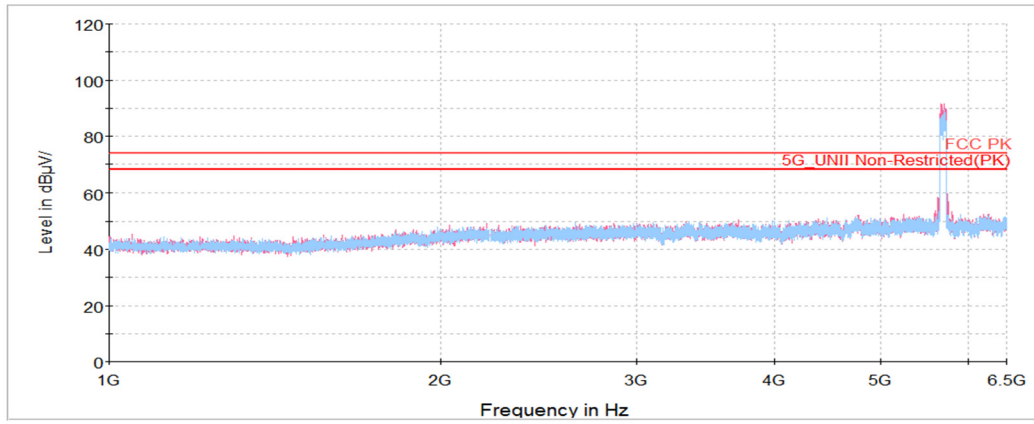
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KCTL**Highest Channel (5 690 MHz)**

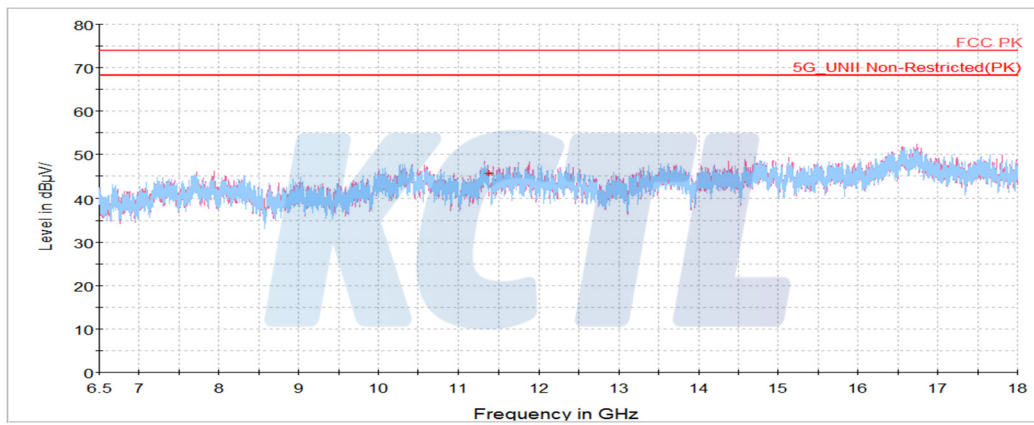
| Frequency | Pol. | Reading | Ant. Factor | Amp.+Cable | DCCF | Result | Limit | Margin |
|--|-------|----------------|-------------|------------|------|------------------|------------------|--------|
| (MHz) | (V/H) | (dB(μ V)) | (dB) | (dB) | (dB) | (dB(μ V/m)) | (dB(μ V/m)) | (dB) |
| Peak data | | | | | | | | |
| 11 381.75 ¹⁾ | H | 56.38 | 38.08 | -48.89 | - | 45.57 | 74.00 | 28.43 |
| Average Data | | | | | | | | |
| No spurious emissions were detected within 20 dB of the limit. | | | | | | | | |

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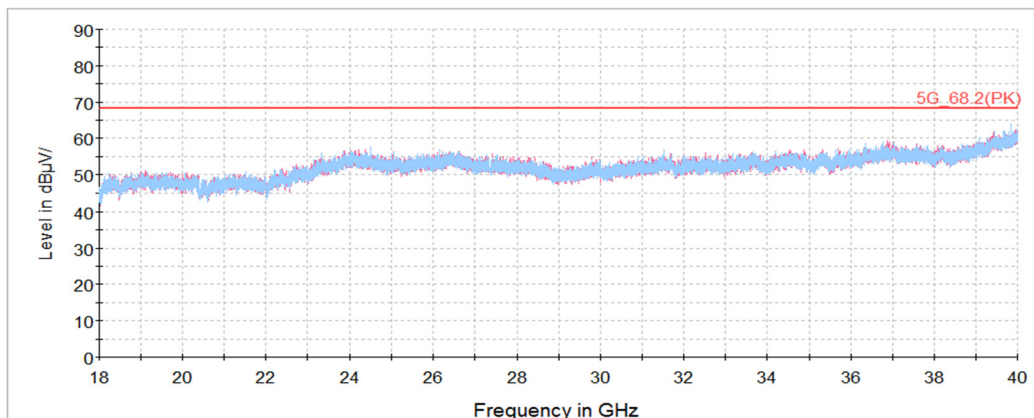
Horizontal/Vertical for 1 GHz ~ 6.5 GHz



Horizontal/Vertical for 6.5 GHz ~ 18 GHz



Horizontal/Vertical for 18 GHz ~ 40 GHz



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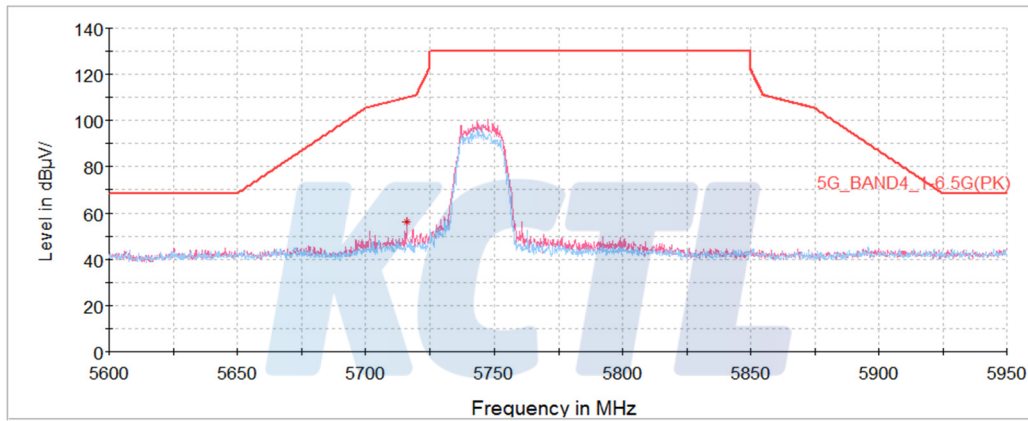
KCTL

802.11a UNII-3

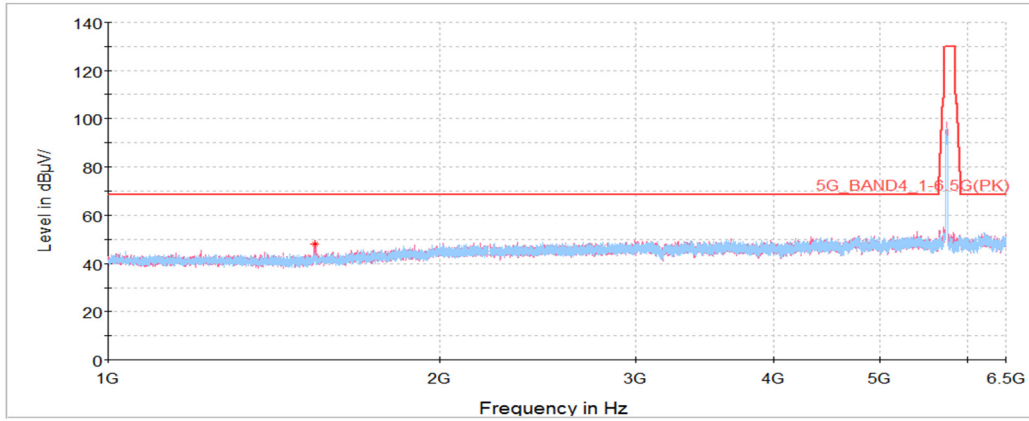
Lowest Channel (5 745 MHz)

| 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 | | | | | | | | |
| 5 716.08 | H | 47.17 | 34.76 | -25.79 | - | 56.14 | 109.70 | 53.56 |
| 11 488.84 ¹⁾ | H | 57.50 | 38.19 | -48.19 | - | 47.50 | 74.00 | 26.50 |
| Average Data | | | | | | | | |
| No spurious emissions were detected within 20 dB of the limit. | | | | | | | | |

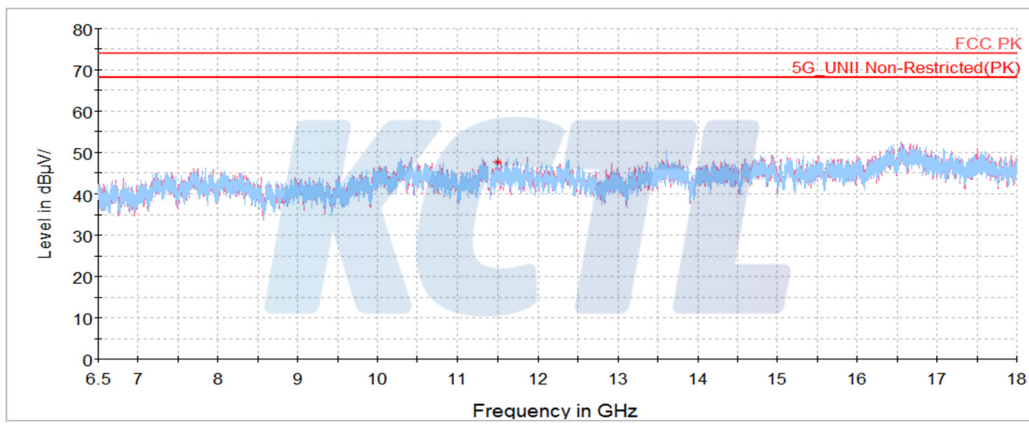
Horizontal/Vertical for Band-edge



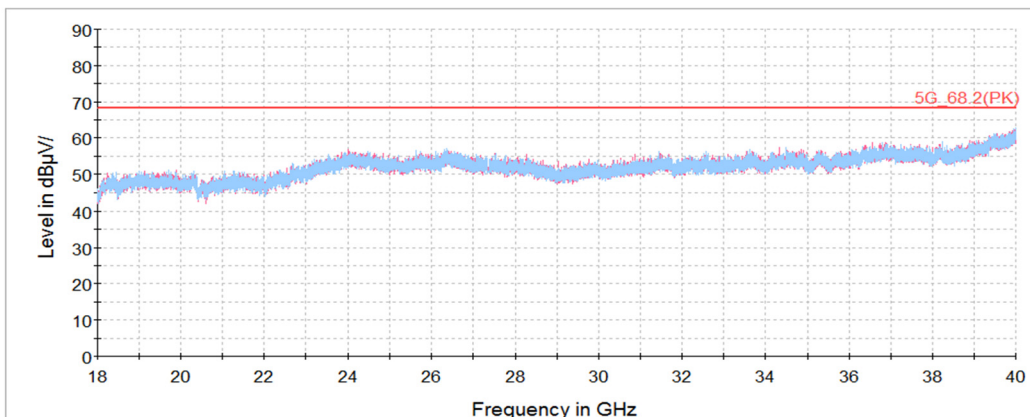
Horizontal/Vertical for 1 GHz ~ 6.5 GHz



Horizontal/Vertical for 6.5 GHz ~ 18 GHz



Horizontal/Vertical for 18 GHz ~ 40 GHz



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