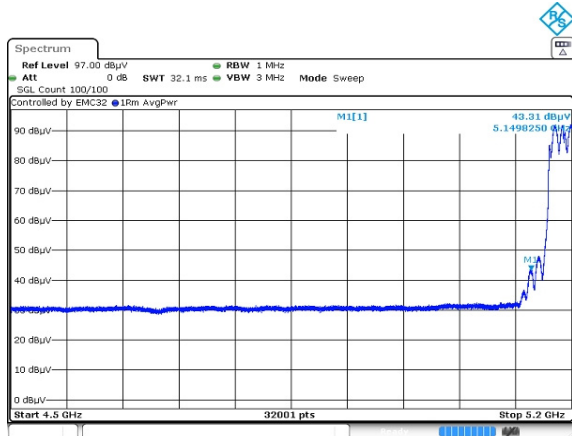
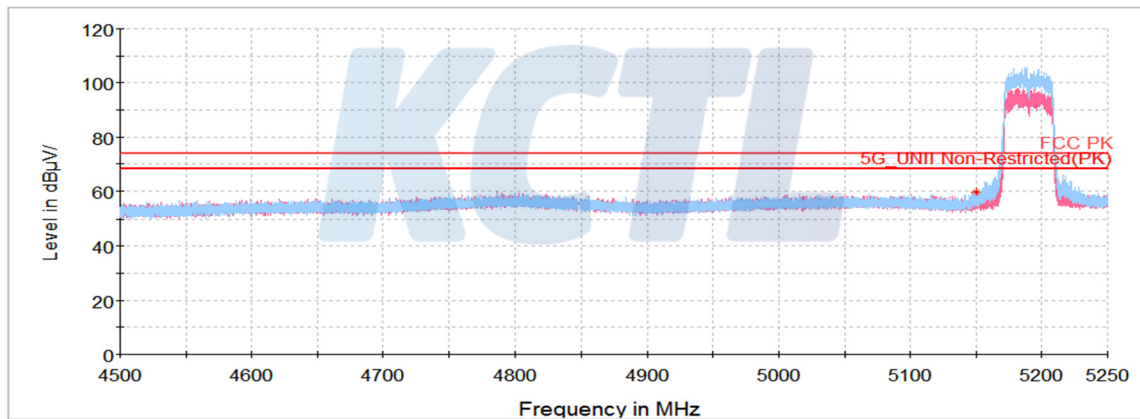


**802.11 HT40 UNII-1 2TX MIMO****Lowest Channel (5 190 MHz)****Average data**

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**Horizontal/Vertical for Band-edge**

## 802.11ac VHT20 UNII-1 ANT1

### Lowest Channel (5 180 MHz)

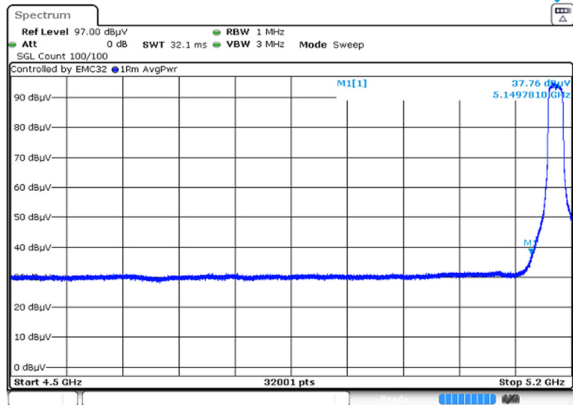
| Frequency              | Pol.  | Reading  | Ant. Factor | Amp.+Cable | DCF  | Result     | Limit      | Margin |
|------------------------|-------|----------|-------------|------------|------|------------|------------|--------|
| (MHz)                  | (V/H) | (dB(μV)) | (dB)        | (dB)       | (dB) | (dB(μV/m)) | (dB(μV/m)) | (dB)   |
| <b>Peak data</b>       |       |          |             |            |      |            |            |        |
| 5 149.78 <sup>1)</sup> | H     | 50.75    | 34.24       | -27.12     | -    | 57.87      | 74.00      | 16.13  |
| 10 374.78              | V     | 57.87    | 37.27       | -51.95     | -    | 43.19      | 68.20      | 25.01  |
| 16 718.47              | V     | 57.31    | 41.72       | -45.94     | -    | 53.09      | 68.20      | 15.11  |
| <b>Average Data</b>    |       |          |             |            |      |            |            |        |
| 5 149.78 <sup>1)</sup> | H     | 37.76    | 34.24       | -27.12     | -    | 44.88      | 54.00      | 9.12   |

### Middle Channel (5 200 MHz)

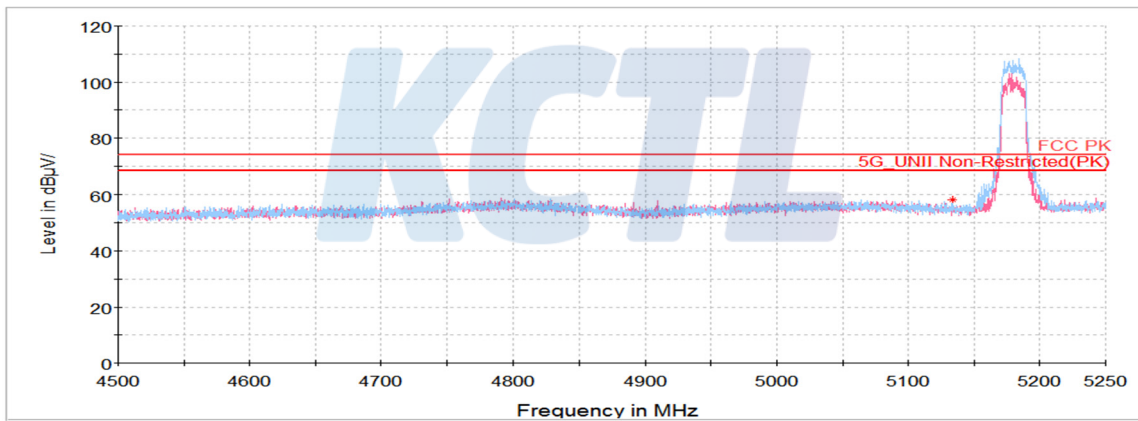
| Frequency                                                     | Pol.  | Reading  | Ant. Factor | Amp.+Cable | DCF  | Result     | Limit      | Margin |
|---------------------------------------------------------------|-------|----------|-------------|------------|------|------------|------------|--------|
| (MHz)                                                         | (V/H) | (dB(μV)) | (dB)        | (dB)       | (dB) | (dB(μV/m)) | (dB(μV/m)) | (dB)   |
| <b>Peak data</b>                                              |       |          |             |            |      |            |            |        |
| 10 411.44                                                     | H     | 60.19    | 37.31       | -51.86     | -    | 45.64      | 68.20      | 22.56  |
| 16 573.64                                                     | V     | 57.69    | 41.57       | -45.41     | -    | 53.85      | 68.20      | 14.35  |
| <b>Average Data</b>                                           |       |          |             |            |      |            |            |        |
| No spurious emissions were detected within 20 dB of the limit |       |          |             |            |      |            |            |        |

### Highest Channel (5 240 MHz)

| Frequency                                                      | Pol.  | Reading  | Ant. Factor | Amp.+Cable | DCF  | Result     | Limit      | Margin |
|----------------------------------------------------------------|-------|----------|-------------|------------|------|------------|------------|--------|
| (MHz)                                                          | (V/H) | (dB(μV)) | (dB)        | (dB)       | (dB) | (dB(μV/m)) | (dB(μV/m)) | (dB)   |
| <b>Peak data</b>                                               |       |          |             |            |      |            |            |        |
| 10 484.39                                                      | H     | 58.81    | 37.38       | -51.70     | -    | 44.49      | 68.20      | 23.71  |
| 16 574.36                                                      | H     | 57.58    | 41.57       | -45.41     | -    | 53.74      | 68.20      | 14.46  |
| <b>Average Data</b>                                            |       |          |             |            |      |            |            |        |
| No spurious emissions were detected within 20 dB of the limit. |       |          |             |            |      |            |            |        |

**802.11ac VHT20 UNII-1 ANT1****Lowest Channel (5 180 MHz)****Average data**

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**Horizontal/Vertical for Band-edge**

## 802.11ac VHT20 UNII-1 ANT2

### Lowest Channel (5 180 MHz)

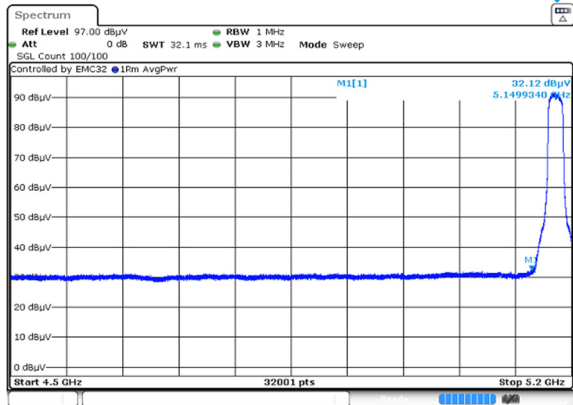
| Frequency              | Pol.  | Reading  | Ant. Factor | Amp.+Cable | DCF  | Result     | Limit      | Margin |
|------------------------|-------|----------|-------------|------------|------|------------|------------|--------|
| (MHz)                  | (V/H) | (dB(μV)) | (dB)        | (dB)       | (dB) | (dB(μV/m)) | (dB(μV/m)) | (dB)   |
| <b>Peak data</b>       |       |          |             |            |      |            |            |        |
| 5 149.93 <sup>1)</sup> | H     | 51.99    | 34.24       | -27.12     | -    | 59.11      | 74.00      | 14.89  |
| 10 352.50              | V     | 59.36    | 37.25       | -52.00     | -    | 44.61      | 68.20      | 23.59  |
| 16 412.64              | H     | 56.57    | 41.83       | -45.68     | -    | 52.72      | 68.20      | 15.48  |
| <b>Average Data</b>    |       |          |             |            |      |            |            |        |
| 5 149.93 <sup>1)</sup> | H     | 32.12    | 34.24       | -27.12     | -    | 39.24      | 54.00      | 14.76  |

### Middle Channel (5 200 MHz)

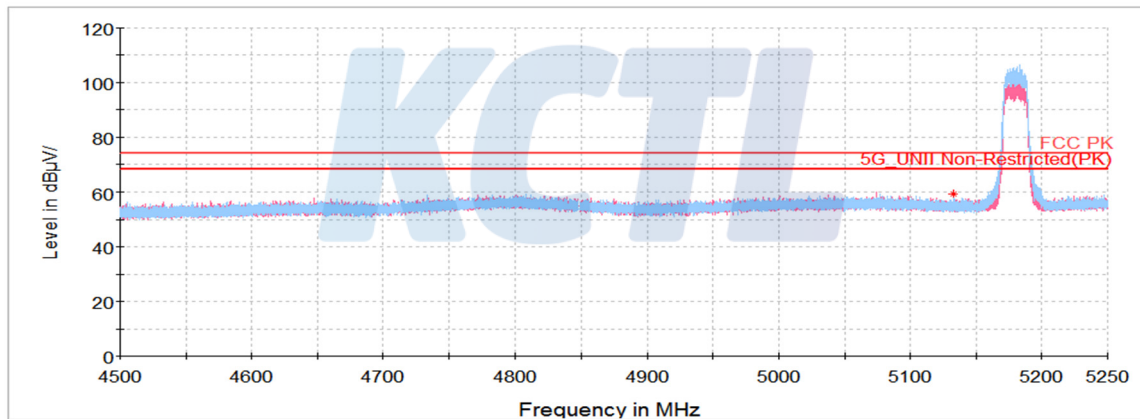
| Frequency                                                     | Pol.  | Reading  | Ant. Factor | Amp.+Cable | DCF  | Result     | Limit      | Margin |
|---------------------------------------------------------------|-------|----------|-------------|------------|------|------------|------------|--------|
| (MHz)                                                         | (V/H) | (dB(μV)) | (dB)        | (dB)       | (dB) | (dB(μV/m)) | (dB(μV/m)) | (dB)   |
| <b>Peak data</b>                                              |       |          |             |            |      |            |            |        |
| 10 407.48                                                     | V     | 60.20    | 37.31       | -51.87     | -    | 45.64      | 68.20      | 22.56  |
| 16 557.83                                                     | H     | 56.98    | 41.56       | -45.35     | -    | 53.19      | 68.20      | 15.01  |
| <b>Average Data</b>                                           |       |          |             |            |      |            |            |        |
| No spurious emissions were detected within 20 dB of the limit |       |          |             |            |      |            |            |        |

### Highest Channel (5 240 MHz)

| Frequency                                                      | Pol.  | Reading  | Ant. Factor | Amp.+Cable | DCF  | Result     | Limit      | Margin |
|----------------------------------------------------------------|-------|----------|-------------|------------|------|------------|------------|--------|
| (MHz)                                                          | (V/H) | (dB(μV)) | (dB)        | (dB)       | (dB) | (dB(μV/m)) | (dB(μV/m)) | (dB)   |
| <b>Peak data</b>                                               |       |          |             |            |      |            |            |        |
| 10 484.03                                                      | H     | 58.63    | 37.38       | -51.70     | -    | 44.31      | 68.20      | 23.89  |
| 16 537.70                                                      | V     | 57.65    | 41.54       | -45.28     | -    | 53.91      | 68.20      | 14.29  |
| <b>Average Data</b>                                            |       |          |             |            |      |            |            |        |
| No spurious emissions were detected within 20 dB of the limit. |       |          |             |            |      |            |            |        |

**802.11ac VHT20 UNII-1 ANT2****Lowest Channel (5 180 MHz)****Average data**

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**Horizontal/Vertical for Band-edge**

## 802.11ac VHT20 UNII-1 2TX MIMO

### Lowest Channel (5 180 MHz)

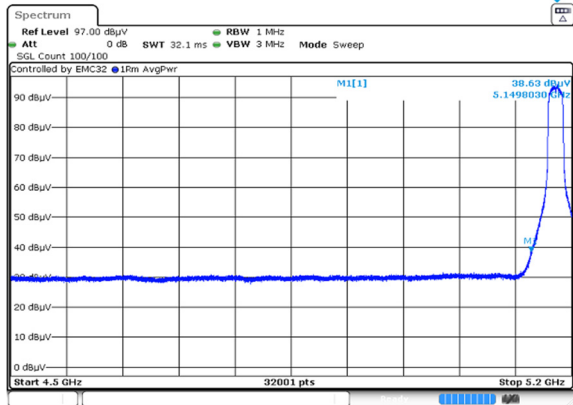
| Frequency              | Pol.  | Reading  | Ant. Factor | Amp.+Cable | DCF  | Result     | Limit      | Margin |
|------------------------|-------|----------|-------------|------------|------|------------|------------|--------|
| (MHz)                  | (V/H) | (dB(μV)) | (dB)        | (dB)       | (dB) | (dB(μV/m)) | (dB(μV/m)) | (dB)   |
| <b>Peak data</b>       |       |          |             |            |      |            |            |        |
| 5 149.80 <sup>1)</sup> | H     | 51.67    | 34.24       | -27.12     | -    | 58.79      | 74.00      | 15.21  |
| 16 579.03              | V     | 57.24    | 41.58       | -45.43     | -    | 53.39      | 68.20      | 14.81  |
| <b>Average Data</b>    |       |          |             |            |      |            |            |        |
| 5 149.80 <sup>1)</sup> | H     | 38.63    | 34.24       | -27.12     | -    | 45.75      | 54.00      | 8.25   |

### Middle Channel (5 200 MHz)

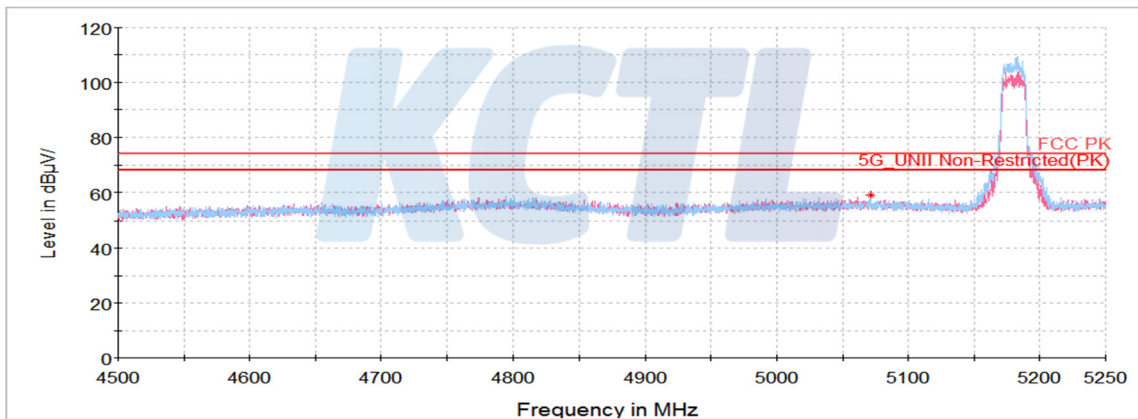
| Frequency                                                     | Pol.  | Reading  | Ant. Factor | Amp.+Cable | DCF  | Result     | Limit      | Margin |
|---------------------------------------------------------------|-------|----------|-------------|------------|------|------------|------------|--------|
| (MHz)                                                         | (V/H) | (dB(μV)) | (dB)        | (dB)       | (dB) | (dB(μV/m)) | (dB(μV/m)) | (dB)   |
| <b>Peak data</b>                                              |       |          |             |            |      |            |            |        |
| 10 404.97                                                     | V     | 60.29    | 37.30       | -51.88     | -    | 45.71      | 68.20      | 22.49  |
| 16 550.64                                                     | H     | 57.12    | 41.55       | -45.32     | -    | 53.35      | 68.20      | 14.85  |
| <b>Average Data</b>                                           |       |          |             |            |      |            |            |        |
| No spurious emissions were detected within 20 dB of the limit |       |          |             |            |      |            |            |        |

### Highest Channel (5 240 MHz)

| Frequency                                                      | Pol.  | Reading  | Ant. Factor | Amp.+Cable | DCF  | Result     | Limit      | Margin |
|----------------------------------------------------------------|-------|----------|-------------|------------|------|------------|------------|--------|
| (MHz)                                                          | (V/H) | (dB(μV)) | (dB)        | (dB)       | (dB) | (dB(μV/m)) | (dB(μV/m)) | (dB)   |
| <b>Peak data</b>                                               |       |          |             |            |      |            |            |        |
| 10 470.38                                                      | V     | 60.73    | 37.37       | -51.73     | -    | 46.37      | 68.20      | 21.83  |
| 16 543.45                                                      | V     | 56.75    | 41.54       | -45.30     | -    | 52.99      | 68.20      | 15.21  |
| <b>Average Data</b>                                            |       |          |             |            |      |            |            |        |
| No spurious emissions were detected within 20 dB of the limit. |       |          |             |            |      |            |            |        |

**802.11ac VHT20 UNII-1 2TX MIMO****Lowest Channel (5 180 MHz)****Average data**

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**Horizontal/Vertical for Band-edge**

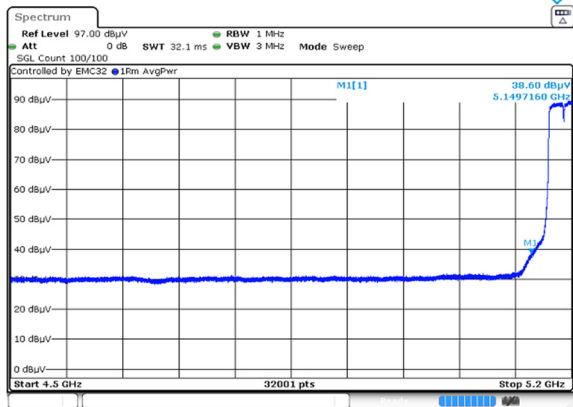
## 802.11ac VHT40 UNII-1 ANT1

### Lowest Channel (5 190 MHz)

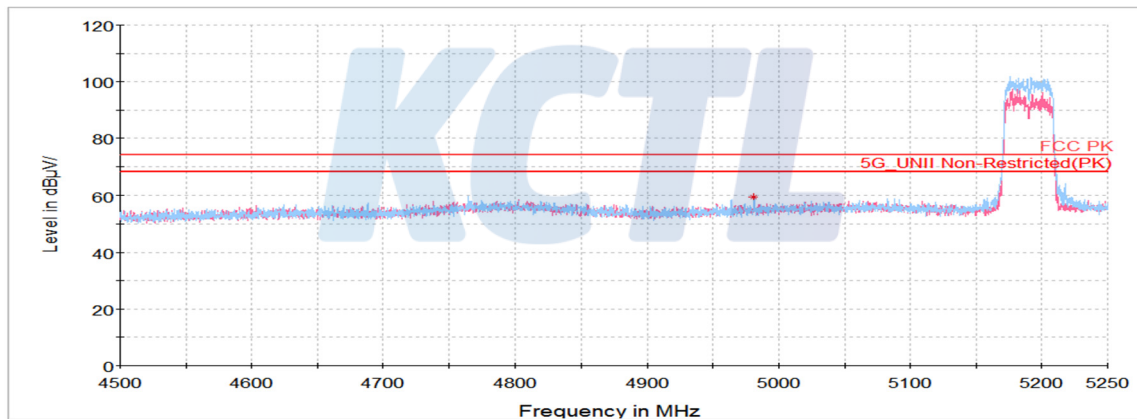
| Frequency              | Pol.  | Reading  | Ant. Factor | Amp.+Cable | DCF  | Result     | Limit      | Margin |
|------------------------|-------|----------|-------------|------------|------|------------|------------|--------|
| (MHz)                  | (V/H) | (dB(μV)) | (dB)        | (dB)       | (dB) | (dB(μV/m)) | (dB(μV/m)) | (dB)   |
| <b>Peak data</b>       |       |          |             |            |      |            |            |        |
| 5 149.72 <sup>1)</sup> | H     | 52.09    | 34.24       | -27.12     | -    | 59.21      | 74.00      | 14.79  |
| 10 374.42              | H     | 58.23    | 37.27       | -51.95     | -    | 43.55      | 68.20      | 24.65  |
| 16 731.05              | V     | 57.07    | 41.73       | -45.99     | -    | 52.81      | 68.20      | 15.39  |
| <b>Average Data</b>    |       |          |             |            |      |            |            |        |
| 5 149.72 <sup>1)</sup> | H     | 38.60    | 34.24       | -27.12     | -    | 45.72      | 54.00      | 8.28   |

### Highest Channel (5 230 MHz)

| Frequency                                                      | Pol.  | Reading  | Ant. Factor | Amp.+Cable | DCF  | Result     | Limit      | Margin |
|----------------------------------------------------------------|-------|----------|-------------|------------|------|------------|------------|--------|
| (MHz)                                                          | (V/H) | (dB(μV)) | (dB)        | (dB)       | (dB) | (dB(μV/m)) | (dB(μV/m)) | (dB)   |
| <b>Peak data</b>                                               |       |          |             |            |      |            |            |        |
| 10 475.77                                                      | H     | 60.35    | 37.38       | -51.72     | -    | 46.01      | 68.20      | 22.19  |
| 16 563.58                                                      | H     | 57.65    | 41.56       | -45.37     | -    | 53.84      | 68.20      | 14.36  |
| <b>Average Data</b>                                            |       |          |             |            |      |            |            |        |
| No spurious emissions were detected within 20 dB of the limit. |       |          |             |            |      |            |            |        |

**802.11ac VHT40 UNII-1 ANT1****Lowest Channel (5 190 MHz)****Average data**

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**Horizontal/Vertical for Band-edge**

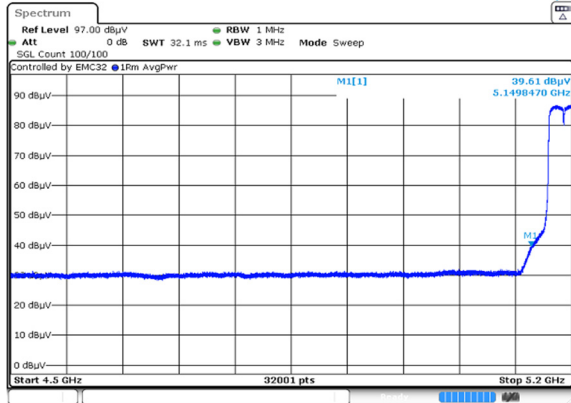
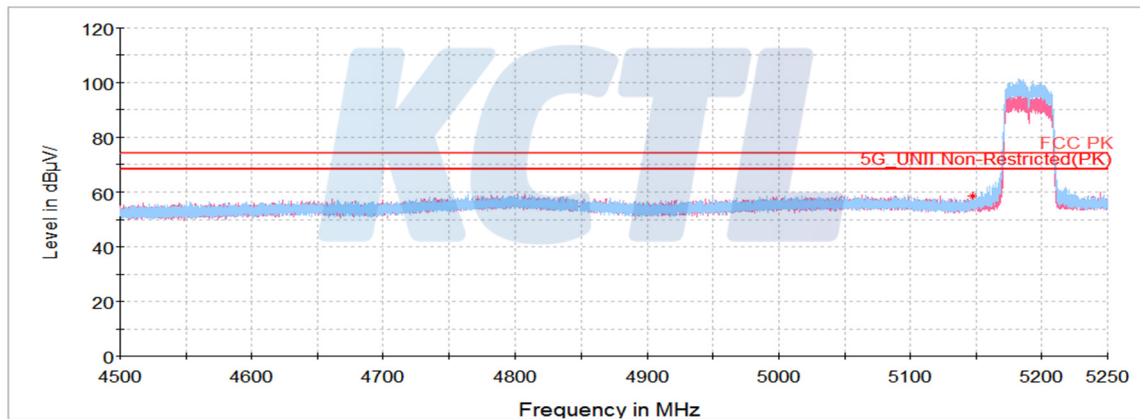
## 802.11ac VHT40 UNII-1 ANT2

### Lowest Channel (5 190 MHz)

| Frequency              | Pol.  | Reading  | Ant. Factor | Amp.+Cable | DCF  | Result     | Limit      | Margin |
|------------------------|-------|----------|-------------|------------|------|------------|------------|--------|
| (MHz)                  | (V/H) | (dB(μV)) | (dB)        | (dB)       | (dB) | (dB(μV/m)) | (dB(μV/m)) | (dB)   |
| <b>Peak data</b>       |       |          |             |            |      |            |            |        |
| 5 149.85 <sup>1)</sup> | H     | 51.18    | 34.24       | -27.12     | -    | 58.30      | 74.00      | 15.70  |
| 10 415.75              | V     | 59.96    | 37.32       | -51.85     | -    | 45.43      | 68.20      | 22.77  |
| 16 528.36              | H     | 56.52    | 41.53       | -45.24     | -    | 52.81      | 68.20      | 15.39  |
| <b>Average Data</b>    |       |          |             |            |      |            |            |        |
| 5 149.85 <sup>1)</sup> | H     | 39.61    | 34.24       | -27.12     | -    | 46.73      | 54.00      | 7.27   |

### Highest Channel (5 230 MHz)

| Frequency                                                      | Pol.  | Reading  | Ant. Factor | Amp.+Cable | DCF  | Result     | Limit      | Margin |
|----------------------------------------------------------------|-------|----------|-------------|------------|------|------------|------------|--------|
| (MHz)                                                          | (V/H) | (dB(μV)) | (dB)        | (dB)       | (dB) | (dB(μV/m)) | (dB(μV/m)) | (dB)   |
| <b>Peak data</b>                                               |       |          |             |            |      |            |            |        |
| 10 445.58                                                      | H     | 59.83    | 37.35       | -51.79     | -    | 45.39      | 68.20      | 22.81  |
| 16 551.36                                                      | V     | 56.79    | 41.55       | -45.33     | -    | 53.01      | 68.20      | 15.19  |
| <b>Average Data</b>                                            |       |          |             |            |      |            |            |        |
| No spurious emissions were detected within 20 dB of the limit. |       |          |             |            |      |            |            |        |

**802.11ac VHT40 UNII-1 ANT2****Lowest Channel (5 190 MHz)****Average data****Horizontal/Vertical for Band-edge**

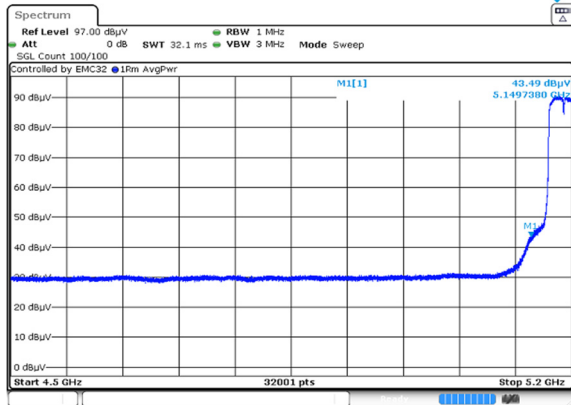
## 802.11ac VHT40 UNII-1 2TX MIMO

### Lowest Channel (5 190 MHz)

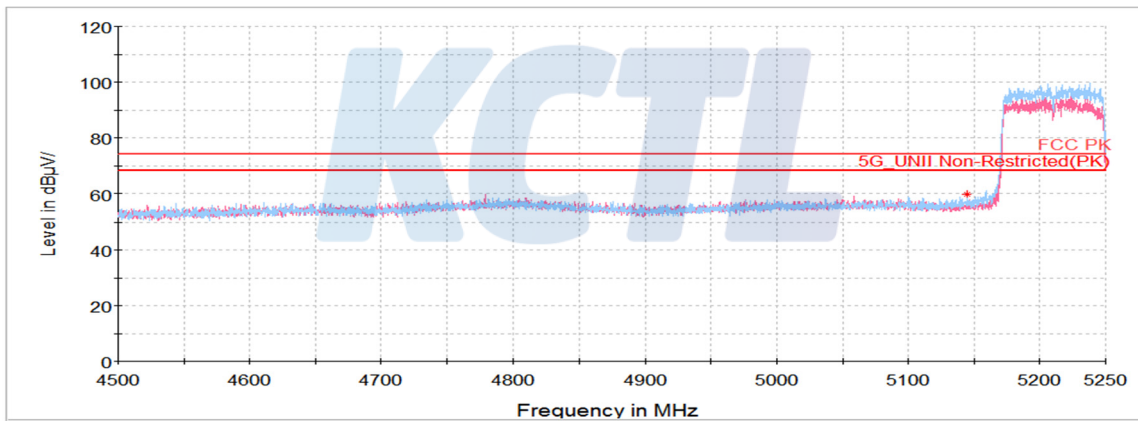
| Frequency              | Pol.  | Reading  | Ant. Factor | Amp.+Cable | DCF  | Result     | Limit      | Margin |
|------------------------|-------|----------|-------------|------------|------|------------|------------|--------|
| (MHz)                  | (V/H) | (dB(μV)) | (dB)        | (dB)       | (dB) | (dB(μV/m)) | (dB(μV/m)) | (dB)   |
| <b>Peak data</b>       |       |          |             |            |      |            |            |        |
| 5 149.74 <sup>1)</sup> | H     | 49.42    | 34.24       | -27.12     | -    | 56.54      | 74.00      | 17.46  |
| 15 686.34              | V     | 56.91    | 40.04       | -49.07     | -    | 47.88      | 74.00      | 26.12  |
| 16 553.88              | H     | 57.14    | 41.55       | -45.33     | -    | 53.36      | 68.20      | 14.84  |
| <b>Average Data</b>    |       |          |             |            |      |            |            |        |
| 5 149.74 <sup>1)</sup> | H     | 43.49    | 34.24       | -27.12     | -    | 50.61      | 54.00      | 3.39   |

### Highest Channel (5 230 MHz)

| Frequency                                                      | Pol.  | Reading  | Ant. Factor | Amp.+Cable | DCF  | Result     | Limit      | Margin |
|----------------------------------------------------------------|-------|----------|-------------|------------|------|------------|------------|--------|
| (MHz)                                                          | (V/H) | (dB(μV)) | (dB)        | (dB)       | (dB) | (dB(μV/m)) | (dB(μV/m)) | (dB)   |
| <b>Peak data</b>                                               |       |          |             |            |      |            |            |        |
| 16 718.47                                                      | V     | 57.65    | 41.72       | -45.94     | -    | 53.43      | 68.20      | 14.77  |
| <b>Average Data</b>                                            |       |          |             |            |      |            |            |        |
| No spurious emissions were detected within 20 dB of the limit. |       |          |             |            |      |            |            |        |

**802.11ac VHT40 UNII-1 2TX MIMO****Lowest Channel (5 190 MHz)****Average data**

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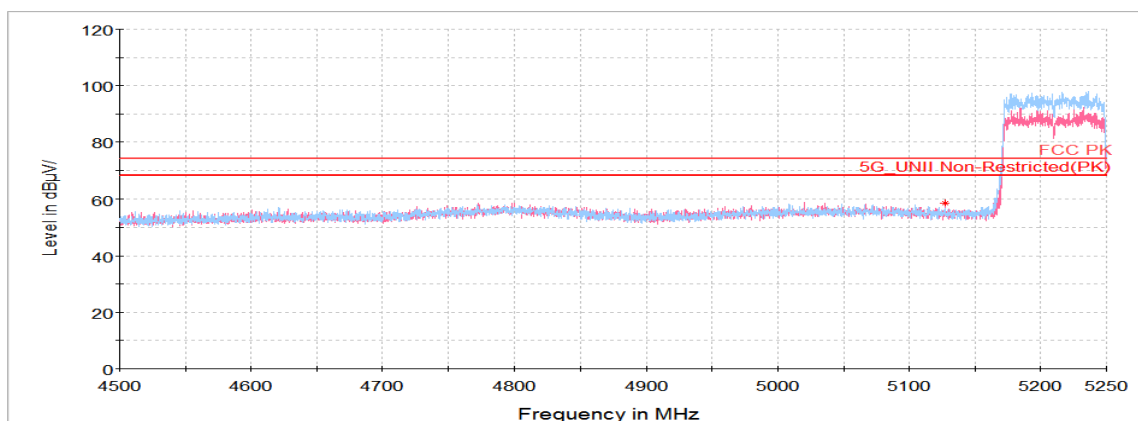
**Horizontal/Vertical for Band-edge**

**802.11ac VHT80 UNII-1 ANT1****Lowest Channel (5 210 MHz)**

| Frequency              | Pol.  | Reading  | Ant. Factor | Amp.+Cable | DCF  | Result     | Limit      | Margin |
|------------------------|-------|----------|-------------|------------|------|------------|------------|--------|
| (MHz)                  | (V/H) | (dB(μV)) | (dB)        | (dB)       | (dB) | (dB(μV/m)) | (dB(μV/m)) | (dB)   |
| Peak data              |       |          |             |            |      |            |            |        |
| 5 146.52 <sup>1)</sup> | H     | 51.14    | 34.23       | -27.10     | -    | 58.27      | 74.00      | 15.73  |
| 10 415.39              | H     | 60.26    | 37.32       | -51.86     | -    | 45.72      | 68.20      | 22.48  |
| 16 564.30              | V     | 56.83    | 41.56       | -45.37     | -    | 53.02      | 68.20      | 15.18  |
| Average Data           |       |          |             |            |      |            |            |        |
| 5 146.52 <sup>1)</sup> | H     | 36.37    | 34.23       | -27.10     | -    | 43.50      | 54.00      | 10.50  |

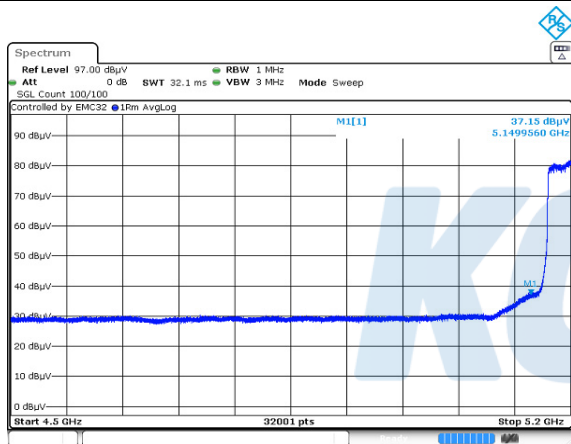
**Average data**

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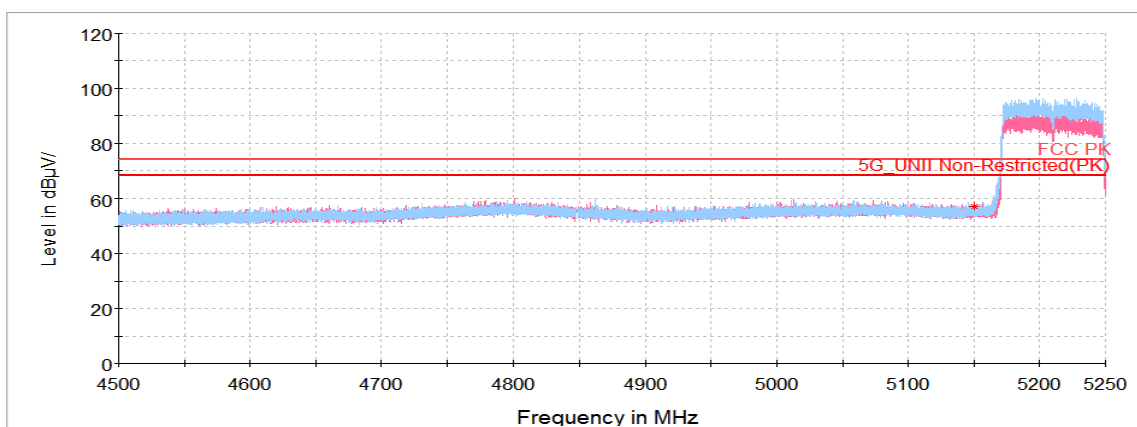
**Horizontal/Vertical for Band-edge**

**802.11ac VHT80 UNII-1 ANT2****Lowest Channel (5 210 MHz)**

| Frequency              | Pol.  | Reading  | Ant. Factor | Amp.+Cable | DCF  | Result     | Limit      | Margin |
|------------------------|-------|----------|-------------|------------|------|------------|------------|--------|
| (MHz)                  | (V/H) | (dB(μV)) | (dB)        | (dB)       | (dB) | (dB(μV/m)) | (dB(μV/m)) | (dB)   |
| <b>Peak data</b>       |       |          |             |            |      |            |            |        |
| 5 149.96 <sup>1)</sup> | H     | 49.70    | 34.24       | -27.12     | -    | 56.82      | 74.00      | 17.18  |
| 10 413.59              | H     | 59.67    | 37.31       | -51.86     | -    | 45.12      | 68.20      | 23.08  |
| 16 556.39              | H     | 56.93    | 41.56       | -45.34     | -    | 53.15      | 68.20      | 15.05  |
| <b>Average Data</b>    |       |          |             |            |      |            |            |        |
| 5 149.96 <sup>1)</sup> | H     | 37.15    | 34.24       | -27.12     | -    | 44.27      | 54.00      | 9.73   |

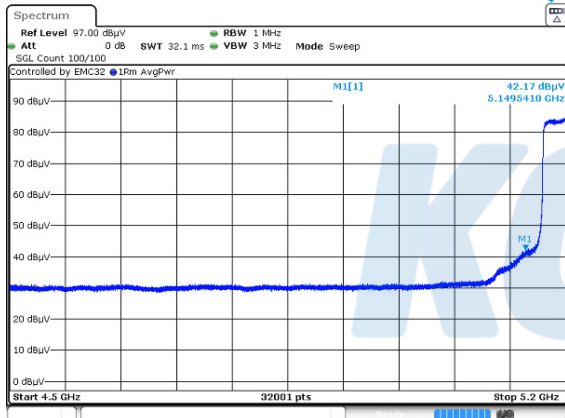
**Average data**

Blank

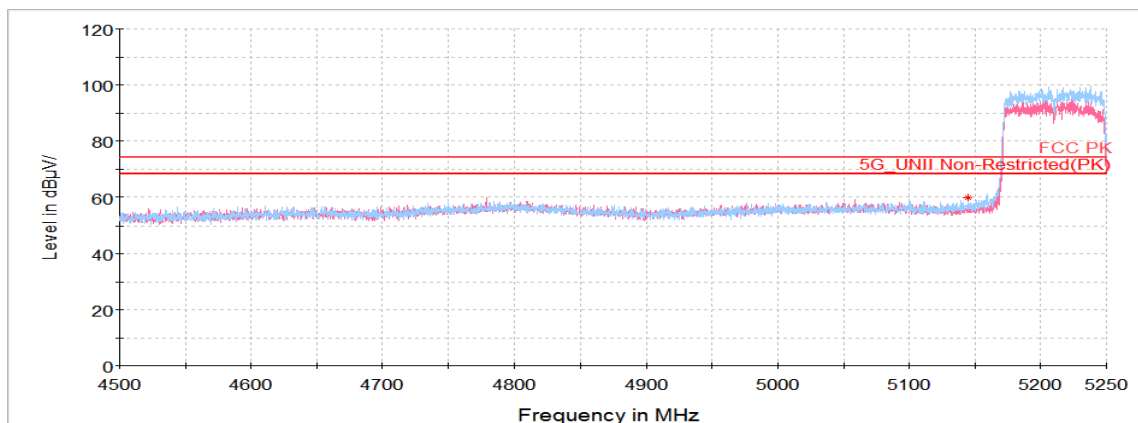
**Horizontal/Vertical for Band-edge**

**802.11ac VHT80 UNII-1 2TX MIMO****Lowest Channel (5 210 MHz)**

| Frequency              | Pol.  | Reading  | Ant. Factor | Amp.+Cable | DCF  | Result     | Limit      | Margin |
|------------------------|-------|----------|-------------|------------|------|------------|------------|--------|
| (MHz)                  | (V/H) | (dB(μV)) | (dB)        | (dB)       | (dB) | (dB(μV/m)) | (dB(μV/m)) | (dB)   |
| Peak data              |       |          |             |            |      |            |            |        |
| 5 149.54 <sup>1)</sup> | H     | 52.59    | 34.24       | -27.12     | -    | 59.71      | 74.00      | 14.29  |
| 10 415.39              | H     | 60.26    | 37.32       | -51.86     | -    | 45.72      | 68.20      | 22.48  |
| 16 564.30              | V     | 56.83    | 41.56       | -45.37     | -    | 53.02      | 68.20      | 15.18  |
| Average Data           |       |          |             |            |      |            |            |        |
| 5 149.54 <sup>1)</sup> | H     | 42.17    | 34.24       | -27.12     | -    | 49.29      | 54.00      | 4.71   |

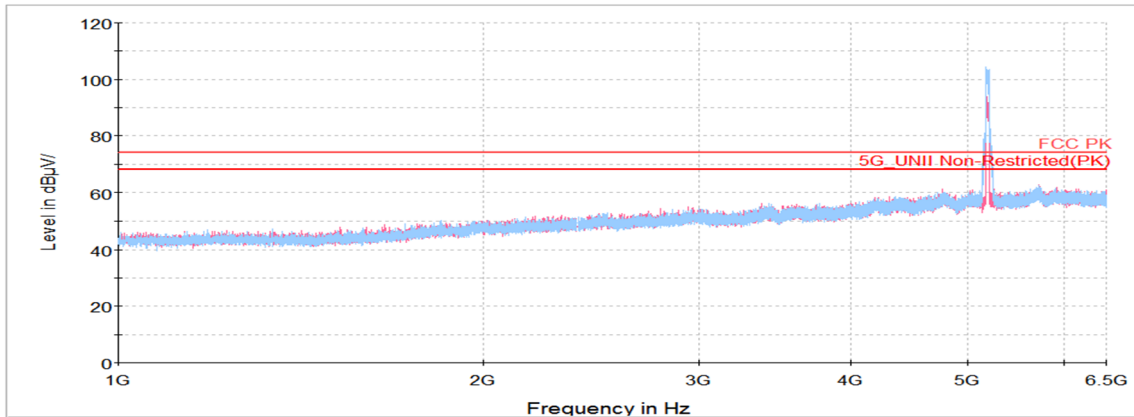
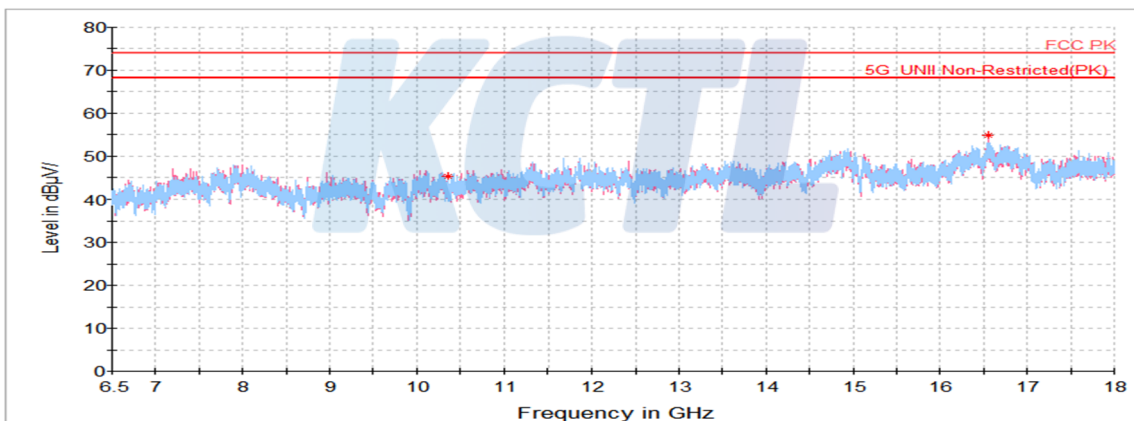
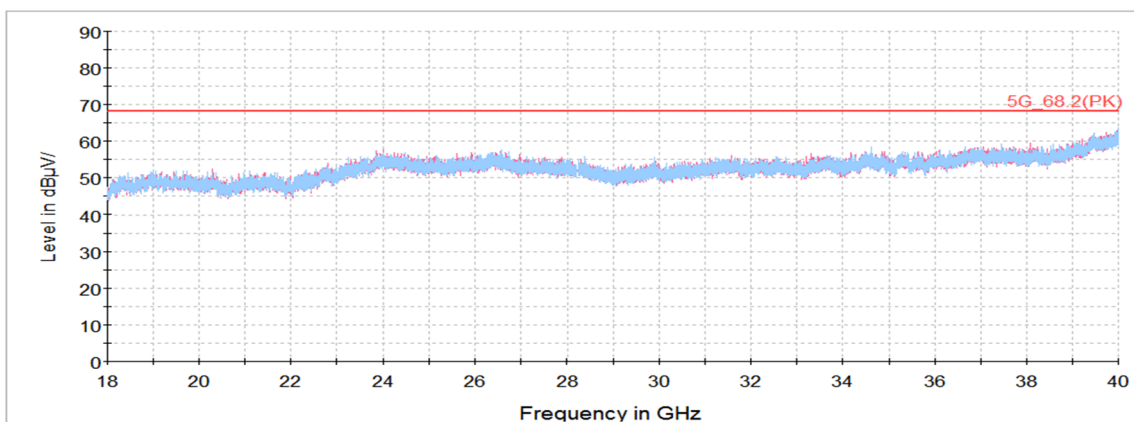
**Average data**

Blank

**Horizontal/Vertical for Band-edge**

**Plot of Harmonics and Spurious Emissions**

In order to simplify the report, attached plots were only the lowest margin condition

**802.11 HT40\_UNII-1\_2TX MIMO\_Lowest Channel (5 190 MHz)****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-2A ANT1

### Lowest Channel (5 260 MHz)

| Frequency                                                      | Pol.  | Reading  | Ant. Factor | Amp.+Cable | DCF  | Result     | Limit      | Margin |
|----------------------------------------------------------------|-------|----------|-------------|------------|------|------------|------------|--------|
| (MHz)                                                          | (V/H) | (dB(μV)) | (dB)        | (dB)       | (dB) | (dB(μV/m)) | (dB(μV/m)) | (dB)   |
| <b>Peak data</b>                                               |       |          |             |            |      |            |            |        |
| 10 521.77                                                      | H     | 59.84    | 37.41       | -51.68     | -    | 45.57      | 74.00      | 28.43  |
| 16 579.03                                                      | H     | 56.80    | 41.58       | -45.43     | -    | 52.95      | 74.00      | 21.05  |
| <b>Average Data</b>                                            |       |          |             |            |      |            |            |        |
| No spurious emissions were detected within 20 dB of the limit. |       |          |             |            |      |            |            |        |

### Middle Channel (5 280 MHz)

| Frequency                                                      | Pol.  | Reading  | Ant. Factor | Amp.+Cable | DCF  | Result     | Limit      | Margin |
|----------------------------------------------------------------|-------|----------|-------------|------------|------|------------|------------|--------|
| (MHz)                                                          | (V/H) | (dB(μV)) | (dB)        | (dB)       | (dB) | (dB(μV/m)) | (dB(μV/m)) | (dB)   |
| <b>Peak data</b>                                               |       |          |             |            |      |            |            |        |
| 10 571.00                                                      | V     | 59.17    | 37.44       | -51.70     | -    | 44.91      | 74.00      | 29.09  |
| 16 549.56                                                      | V     | 57.29    | 41.55       | -45.32     | -    | 53.52      | 74.00      | 20.48  |
| <b>Average Data</b>                                            |       |          |             |            |      |            |            |        |
| No spurious emissions were detected within 20 dB of the limit. |       |          |             |            |      |            |            |        |

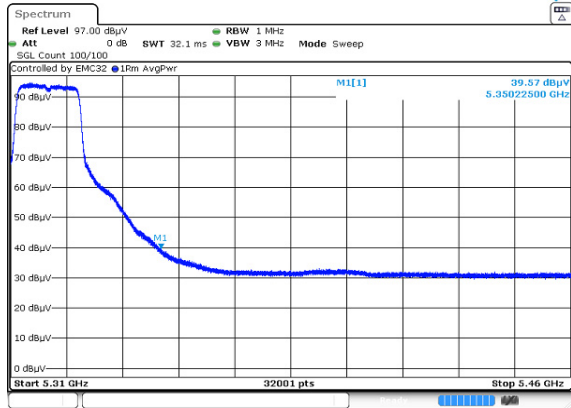
### Highest Channel (5 320 MHz)

| Frequency               | Pol.  | Reading  | Ant. Factor | Amp.+Cable | DCF  | Result     | Limit      | Margin |
|-------------------------|-------|----------|-------------|------------|------|------------|------------|--------|
| (MHz)                   | (V/H) | (dB(μV)) | (dB)        | (dB)       | (dB) | (dB(μV/m)) | (dB(μV/m)) | (dB)   |
| <b>Peak data</b>        |       |          |             |            |      |            |            |        |
| 5 350.23 <sup>1)</sup>  | H     | 51.68    | 34.56       | -26.84     | -    | 59.40      | 74.00      | 14.60  |
| 10 649.70 <sup>1)</sup> | V     | 61.76    | 37.49       | -51.73     | -    | 47.52      | 74.00      | 26.48  |
| 16 709.84               | V     | 57.16    | 41.71       | -45.91     | -    | 52.96      | 68.20      | 15.24  |
| <b>Average Data</b>     |       |          |             |            |      |            |            |        |
| 5 350.23 <sup>1)</sup>  | H     | 39.57    | 34.56       | -26.84     | -    | 47.29      | 54.00      | 6.71   |

## 802.11a UNII-2A ANT1

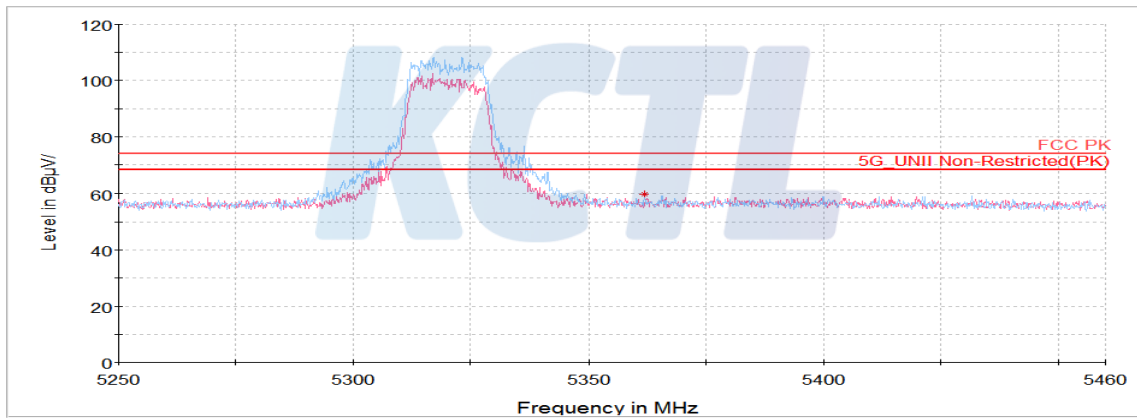
### Highest Channel (5 320 MHz)

#### Average data



Blank

#### Horizontal/Vertical for Band-edge



## 802.11a UNII-2A ANT2

### Lowest Channel (5 260 MHz)

| Frequency                                                      | Pol.  | Reading  | Ant. Factor | Amp.+Cable | DCF  | Result     | Limit      | Margin |
|----------------------------------------------------------------|-------|----------|-------------|------------|------|------------|------------|--------|
| (MHz)                                                          | (V/H) | (dB(μV)) | (dB)        | (dB)       | (dB) | (dB(μV/m)) | (dB(μV/m)) | (dB)   |
| <b>Peak data</b>                                               |       |          |             |            |      |            |            |        |
| 10 522.48                                                      | V     | 60.08    | 37.41       | -51.68     | -    | 45.81      | 68.20      | 22.39  |
| 16 766.63                                                      | V     | 57.16    | 41.77       | -46.12     | -    | 52.81      | 68.20      | 15.39  |
| <b>Average Data</b>                                            |       |          |             |            |      |            |            |        |
| No spurious emissions were detected within 20 dB of the limit. |       |          |             |            |      |            |            |        |

### Middle Channel (5 280 MHz)

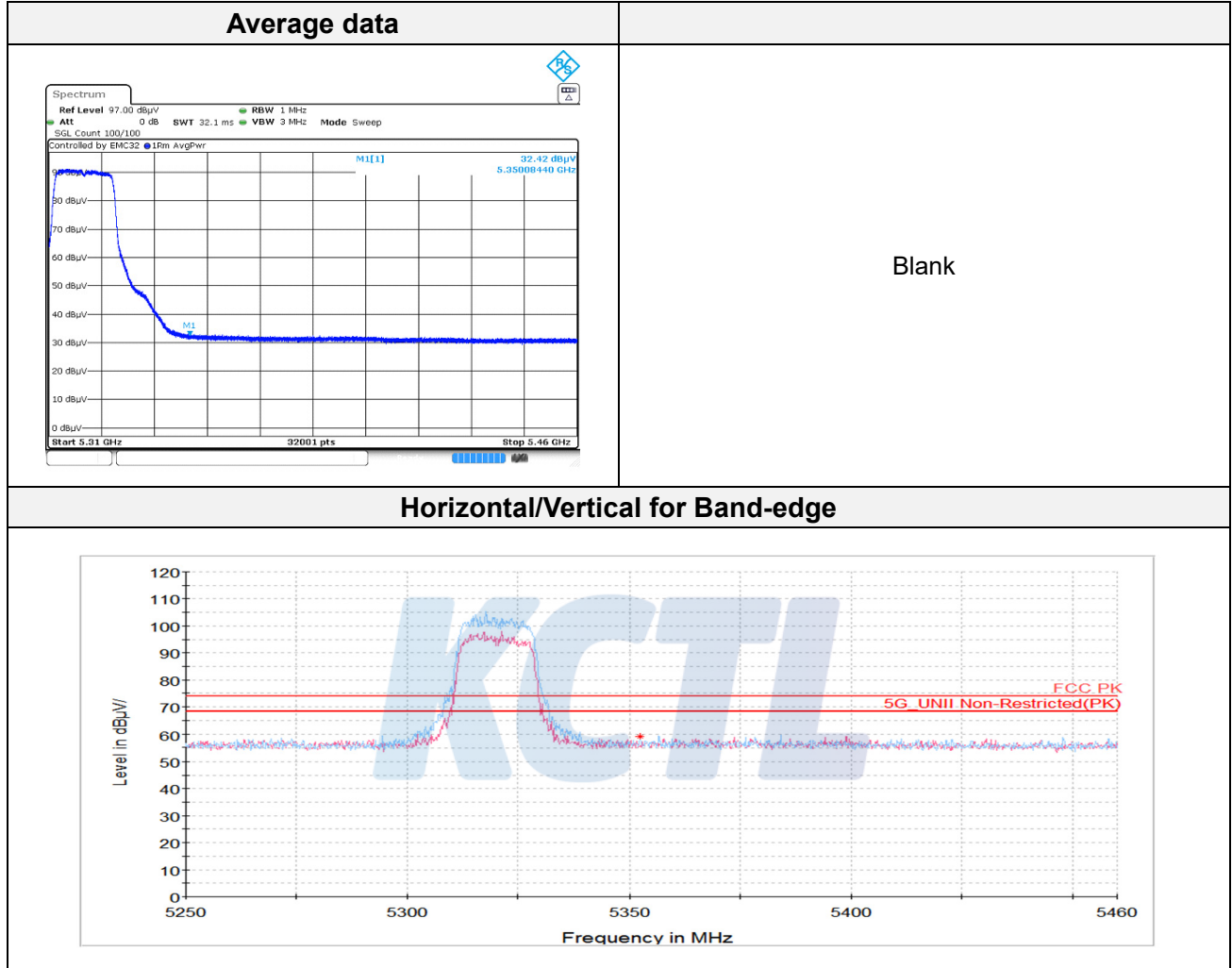
| Frequency                                                      | Pol.  | Reading  | Ant. Factor | Amp.+Cable | DCF  | Result     | Limit      | Margin |
|----------------------------------------------------------------|-------|----------|-------------|------------|------|------------|------------|--------|
| (MHz)                                                          | (V/H) | (dB(μV)) | (dB)        | (dB)       | (dB) | (dB(μV/m)) | (dB(μV/m)) | (dB)   |
| <b>Peak data</b>                                               |       |          |             |            |      |            |            |        |
| 10 577.83                                                      | H     | 60.46    | 37.45       | -51.70     | -    | 46.21      | 68.20      | 21.99  |
| 16 552.44                                                      | H     | 56.67    | 41.55       | -45.33     | -    | 52.89      | 68.20      | 15.31  |
| <b>Average Data</b>                                            |       |          |             |            |      |            |            |        |
| No spurious emissions were detected within 20 dB of the limit. |       |          |             |            |      |            |            |        |

### Highest Channel (5 320 MHz)

| Frequency               | Pol.  | Reading  | Ant. Factor | Amp.+Cable | DCF  | Result     | Limit      | Margin |
|-------------------------|-------|----------|-------------|------------|------|------------|------------|--------|
| (MHz)                   | (V/H) | (dB(μV)) | (dB)        | (dB)       | (dB) | (dB(μV/m)) | (dB(μV/m)) | (dB)   |
| <b>Peak data</b>        |       |          |             |            |      |            |            |        |
| 5 350.08 <sup>1)</sup>  | H     | 51.42    | 34.56       | -26.84     | -    | 59.14      | 74.00      | 14.86  |
| 10 635.33 <sup>1)</sup> | V     | 60.15    | 37.48       | -51.73     | -    | 45.90      | 74.00      | 28.10  |
| 16 557.83               | V     | 57.90    | 41.56       | -45.35     | -    | 54.11      | 68.20      | 14.09  |
| <b>Average Data</b>     |       |          |             |            |      |            |            |        |
| 5 350.08 <sup>1)</sup>  | H     | 32.42    | 34.56       | -26.84     | -    | 40.14      | 54.00      | 13.86  |

## 802.11a UNII-2A ANT2

### Highest Channel (5 320 MHz)



## 802.11a UNII-2A 2TX MIMO

### Lowest Channel (5 260 MHz)

| Frequency                                                      | Pol.  | Reading  | Ant. Factor | Amp.+Cable | DCF  | Result     | Limit      | Margin |
|----------------------------------------------------------------|-------|----------|-------------|------------|------|------------|------------|--------|
| (MHz)                                                          | (V/H) | (dB(μV)) | (dB)        | (dB)       | (dB) | (dB(μV/m)) | (dB(μV/m)) | (dB)   |
| <b>Peak data</b>                                               |       |          |             |            |      |            |            |        |
| 10 522.13                                                      | V     | 59.74    | 37.41       | -51.68     | -    | 45.47      | 68.20      | 22.73  |
| 16 579.39                                                      | H     | 56.75    | 41.58       | -45.43     | -    | 52.90      | 68.20      | 15.30  |
| <b>Average Data</b>                                            |       |          |             |            |      |            |            |        |
| No spurious emissions were detected within 20 dB of the limit. |       |          |             |            |      |            |            |        |

### Middle Channel (5 280 MHz)

| Frequency                                                      | Pol.  | Reading  | Ant. Factor | Amp.+Cable | DCF  | Result     | Limit      | Margin |
|----------------------------------------------------------------|-------|----------|-------------|------------|------|------------|------------|--------|
| (MHz)                                                          | (V/H) | (dB(μV)) | (dB)        | (dB)       | (dB) | (dB(μV/m)) | (dB(μV/m)) | (dB)   |
| <b>Peak data</b>                                               |       |          |             |            |      |            |            |        |
| 10 603.70 <sup>1)</sup>                                        | H     | 59.36    | 37.46       | -51.71     | -    | 45.11      | 74.00      | 28.89  |
| 16 538.06                                                      | V     | 56.68    | 41.54       | -45.28     | -    | 52.94      | 68.20      | 15.26  |
| <b>Average Data</b>                                            |       |          |             |            |      |            |            |        |
| No spurious emissions were detected within 20 dB of the limit. |       |          |             |            |      |            |            |        |

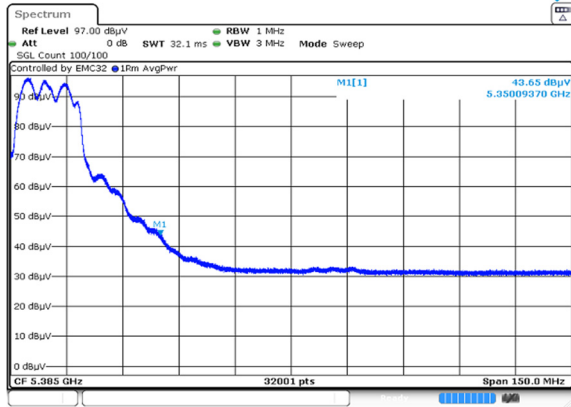
### Highest Channel (5 320 MHz)

| Frequency               | Pol.  | Reading  | Ant. Factor | Amp.+Cable | DCF  | Result     | Limit      | Margin |
|-------------------------|-------|----------|-------------|------------|------|------------|------------|--------|
| (MHz)                   | (V/H) | (dB(μV)) | (dB)        | (dB)       | (dB) | (dB(μV/m)) | (dB(μV/m)) | (dB)   |
| <b>Peak data</b>        |       |          |             |            |      |            |            |        |
| 5 350.09 <sup>1)</sup>  | H     | 54.55    | 34.56       | -26.84     | -    | 62.27      | 74.00      | 11.73  |
| 10 639.64 <sup>1)</sup> | V     | 60.91    | 37.48       | -51.73     | -    | 46.66      | 74.00      | 27.34  |
| 16 547.41               | V     | 56.95    | 41.55       | -45.31     | -    | 53.19      | 68.20      | 15.01  |
| <b>Average Data</b>     |       |          |             |            |      |            |            |        |
| 5 350.09 <sup>1)</sup>  | H     | 43.65    | 34.56       | -26.84     | -    | 51.37      | 54.00      | 2.63   |

## 802.11a UNII-2A 2TX MIMO

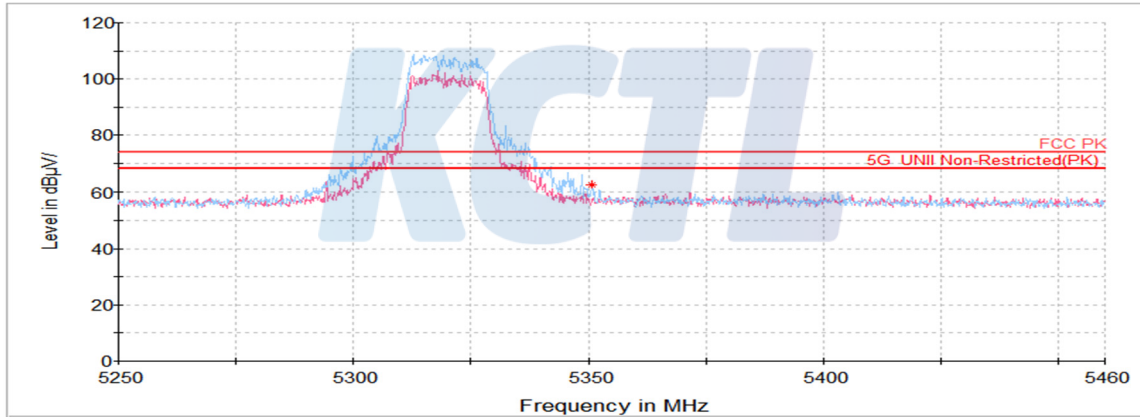
### Highest Channel (5 320 MHz)

#### Average data



Blank

#### Horizontal/Vertical for Band-edge



## 802.11 HT20 UNII-2A ANT1

### Lowest Channel (5 260 MHz)

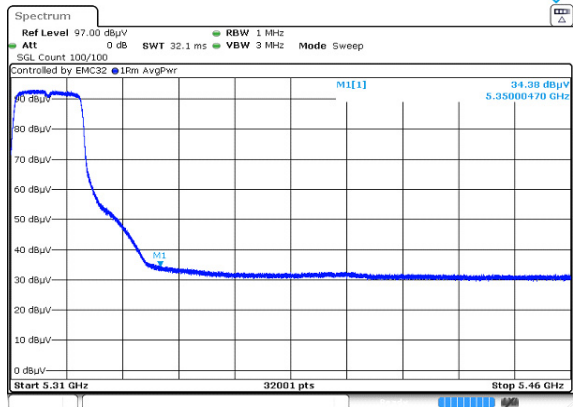
| Frequency                                                      | Pol.  | Reading  | Ant. Factor | Amp.+Cable | DCF  | Result     | Limit      | Margin |
|----------------------------------------------------------------|-------|----------|-------------|------------|------|------------|------------|--------|
| (MHz)                                                          | (V/H) | (dB(μV)) | (dB)        | (dB)       | (dB) | (dB(μV/m)) | (dB(μV/m)) | (dB)   |
| <b>Peak data</b>                                               |       |          |             |            |      |            |            |        |
| 10 521.77                                                      | H     | 58.91    | 37.41       | -51.68     | -    | 44.64      | 74.00      | 29.36  |
| 16 587.30                                                      | V     | 57.06    | 41.59       | -45.46     | -    | 53.19      | 74.00      | 20.81  |
| <b>Average Data</b>                                            |       |          |             |            |      |            |            |        |
| No spurious emissions were detected within 20 dB of the limit. |       |          |             |            |      |            |            |        |

### Middle Channel (5 280 MHz)

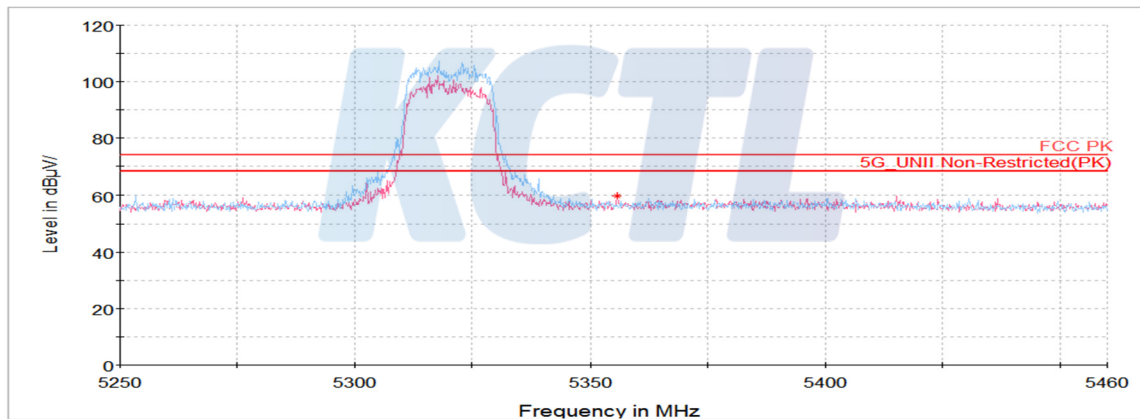
| Frequency                                                      | Pol.  | Reading  | Ant. Factor | Amp.+Cable | DCF  | Result     | Limit      | Margin |
|----------------------------------------------------------------|-------|----------|-------------|------------|------|------------|------------|--------|
| (MHz)                                                          | (V/H) | (dB(μV)) | (dB)        | (dB)       | (dB) | (dB(μV/m)) | (dB(μV/m)) | (dB)   |
| <b>Peak data</b>                                               |       |          |             |            |      |            |            |        |
| 10 555.91                                                      | H     | 58.86    | 37.43       | -51.69     | -    | 44.60      | 68.20      | 23.60  |
| 16 554.23                                                      | H     | 57.27    | 41.55       | -45.34     | -    | 53.48      | 68.20      | 14.72  |
| <b>Average Data</b>                                            |       |          |             |            |      |            |            |        |
| No spurious emissions were detected within 20 dB of the limit. |       |          |             |            |      |            |            |        |

### Highest Channel (5 320 MHz)

| Frequency              | Pol.  | Reading  | Ant. Factor | Amp.+Cable | DCF  | Result     | Limit      | Margin |
|------------------------|-------|----------|-------------|------------|------|------------|------------|--------|
| (MHz)                  | (V/H) | (dB(μV)) | (dB)        | (dB)       | (dB) | (dB(μV/m)) | (dB(μV/m)) | (dB)   |
| <b>Peak data</b>       |       |          |             |            |      |            |            |        |
| 5 350.00 <sup>1)</sup> | H     | 51.73    | 34.56       | -26.84     | -    | 59.45      | 74.00      | 14.55  |
| 10 633.89              | H     | 60.41    | 37.48       | -51.73     | -    | 46.16      | 74.00      | 27.84  |
| 16 606.70              | V     | 57.08    | 41.61       | -45.53     | -    | 53.16      | 68.20      | 15.04  |
| <b>Average Data</b>    |       |          |             |            |      |            |            |        |
| 5 350.00 <sup>1)</sup> | H     | 34.38    | 34.56       | -26.84     | -    | 42.10      | 54.00      | 11.90  |

**802.11 HT20 UNII-2A ANT1****Highest Channel (5 320 MHz)****Average data**

Blank

**Horizontal/Vertical for Band-edge**

## 802.11 HT20 UNII-2A ANT2

### Lowest Channel (5 260 MHz)

| Frequency                                                      | Pol.  | Reading  | Ant. Factor | Amp.+Cable | DCF  | Result     | Limit      | Margin |
|----------------------------------------------------------------|-------|----------|-------------|------------|------|------------|------------|--------|
| (MHz)                                                          | (V/H) | (dB(μV)) | (dB)        | (dB)       | (dB) | (dB(μV/m)) | (dB(μV/m)) | (dB)   |
| <b>Peak data</b>                                               |       |          |             |            |      |            |            |        |
| 10 522.48                                                      | V     | 58.61    | 37.41       | -51.68     | -    | 44.34      | 68.20      | 23.86  |
| 16 563.94                                                      | V     | 57.51    | 41.56       | -45.37     | -    | 53.70      | 68.20      | 14.50  |
| <b>Average Data</b>                                            |       |          |             |            |      |            |            |        |
| No spurious emissions were detected within 20 dB of the limit. |       |          |             |            |      |            |            |        |

### Middle Channel (5 280 MHz)

| Frequency                                                      | Pol.  | Reading  | Ant. Factor | Amp.+Cable | DCF  | Result     | Limit      | Margin |
|----------------------------------------------------------------|-------|----------|-------------|------------|------|------------|------------|--------|
| (MHz)                                                          | (V/H) | (dB(μV)) | (dB)        | (dB)       | (dB) | (dB(μV/m)) | (dB(μV/m)) | (dB)   |
| <b>Peak data</b>                                               |       |          |             |            |      |            |            |        |
| 10 573.88                                                      | V     | 60.57    | 37.44       | -51.70     | -    | 46.31      | 68.20      | 21.89  |
| 16 544.53                                                      | H     | 56.54    | 41.54       | -45.30     | -    | 52.78      | 68.20      | 15.42  |
| <b>Average Data</b>                                            |       |          |             |            |      |            |            |        |
| No spurious emissions were detected within 20 dB of the limit. |       |          |             |            |      |            |            |        |

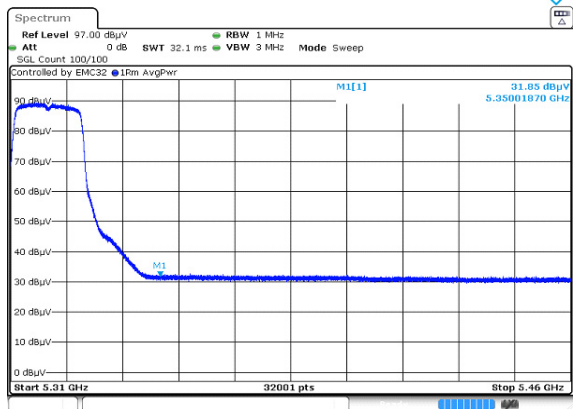
### Highest Channel (5 320 MHz)

| Frequency               | Pol.  | Reading  | Ant. Factor | Amp.+Cable | DCF  | Result     | Limit      | Margin |
|-------------------------|-------|----------|-------------|------------|------|------------|------------|--------|
| (MHz)                   | (V/H) | (dB(μV)) | (dB)        | (dB)       | (dB) | (dB(μV/m)) | (dB(μV/m)) | (dB)   |
| <b>Peak data</b>        |       |          |             |            |      |            |            |        |
| 5 350.02 <sup>1)</sup>  | H     | 49.11    | 34.56       | -26.84     | -    | 56.83      | 74.00      | 17.17  |
| 10 648.63 <sup>1)</sup> | V     | 59.85    | 37.49       | -51.73     | -    | 45.61      | 74.00      | 28.39  |
| 16 572.92               | H     | 56.92    | 41.57       | -45.40     | -    | 53.09      | 68.20      | 15.11  |
| <b>Average Data</b>     |       |          |             |            |      |            |            |        |
| 5 350.02 <sup>1)</sup>  | H     | 31.85    | 34.56       | -26.84     | -    | 39.57      | 54.00      | 14.43  |

## 802.11 HT20 UNII-2A ANT2

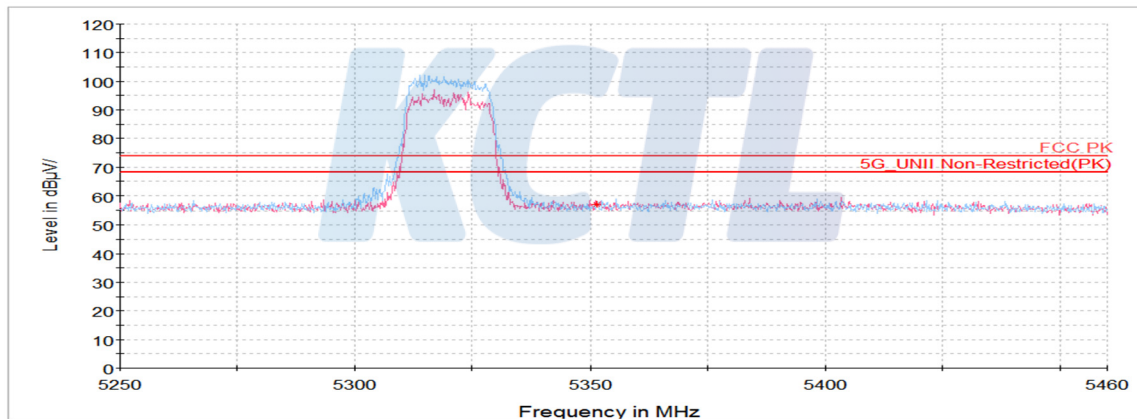
### Highest Channel (5 320 MHz)

#### Average data



Blank

#### Horizontal/Vertical for Band-edge



## 802.11 HT20 UNII-2A 2TX MIMO

### Lowest Channel (5 260 MHz)

| Frequency                                                      | Pol.  | Reading  | Ant. Factor | Amp.+Cable | DCF  | Result     | Limit      | Margin |
|----------------------------------------------------------------|-------|----------|-------------|------------|------|------------|------------|--------|
| (MHz)                                                          | (V/H) | (dB(μV)) | (dB)        | (dB)       | (dB) | (dB(μV/m)) | (dB(μV/m)) | (dB)   |
| <b>Peak data</b>                                               |       |          |             |            |      |            |            |        |
| 10 516.73                                                      | V     | 60.88    | 37.41       | -51.67     | -    | 46.62      | 68.20      | 21.58  |
| 16 582.63                                                      | H     | 57.38    | 41.58       | -45.44     | -    | 53.52      | 68.20      | 14.68  |
| <b>Average Data</b>                                            |       |          |             |            |      |            |            |        |
| No spurious emissions were detected within 20 dB of the limit. |       |          |             |            |      |            |            |        |

### Middle Channel (5 280 MHz)

| Frequency                                                      | Pol.  | Reading  | Ant. Factor | Amp.+Cable | DCF  | Result     | Limit      | Margin |
|----------------------------------------------------------------|-------|----------|-------------|------------|------|------------|------------|--------|
| (MHz)                                                          | (V/H) | (dB(μV)) | (dB)        | (dB)       | (dB) | (dB(μV/m)) | (dB(μV/m)) | (dB)   |
| <b>Peak data</b>                                               |       |          |             |            |      |            |            |        |
| 10 564.53                                                      | V     | 60.27    | 37.44       | -51.70     | -    | 46.01      | 68.20      | 22.19  |
| 16 430.61                                                      | V     | 56.49    | 41.86       | -45.57     | -    | 52.78      | 68.20      | 15.42  |
| <b>Average Data</b>                                            |       |          |             |            |      |            |            |        |
| No spurious emissions were detected within 20 dB of the limit. |       |          |             |            |      |            |            |        |

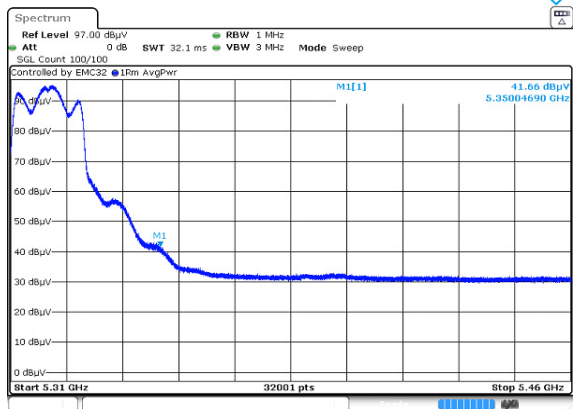
### Highest Channel (5 320 MHz)

| Frequency              | Pol.  | Reading  | Ant. Factor | Amp.+Cable | DCF  | Result     | Limit      | Margin |
|------------------------|-------|----------|-------------|------------|------|------------|------------|--------|
| (MHz)                  | (V/H) | (dB(μV)) | (dB)        | (dB)       | (dB) | (dB(μV/m)) | (dB(μV/m)) | (dB)   |
| <b>Peak data</b>       |       |          |             |            |      |            |            |        |
| 5 350.05 <sup>1)</sup> | H     | 52.17    | 34.56       | -26.84     | -    | 59.89      | 74.00      | 14.11  |
| 10 647.19              | V     | 61.54    | 37.49       | -51.73     | -    | 47.30      | 74.00      | 26.70  |
| 16 576.52              | V     | 56.92    | 41.58       | -45.42     | -    | 53.08      | 68.20      | 15.12  |
| <b>Average Data</b>    |       |          |             |            |      |            |            |        |
| 5 350.05 <sup>1)</sup> | H     | 41.66    | 34.56       | -26.84     | -    | 49.38      | 54.00      | 4.62   |

## 802.11 HT20 UNII-2A 2TX MIMO

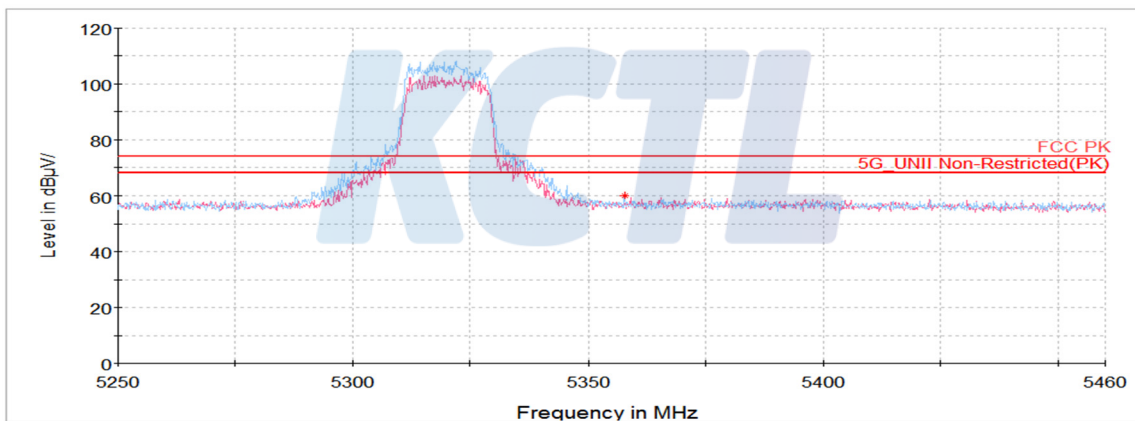
### Highest Channel (5 320 MHz)

#### Average data



Blank

#### Horizontal/Vertical for Band-edge



## 802.11 HT40 UNII-2A ANT1

### Lowest Channel (5 270 MHz)

| Frequency                                                      | Pol.  | Reading  | Ant. Factor | Amp.+Cable | DCF  | Result     | Limit      | Margin |
|----------------------------------------------------------------|-------|----------|-------------|------------|------|------------|------------|--------|
| (MHz)                                                          | (V/H) | (dB(μV)) | (dB)        | (dB)       | (dB) | (dB(μV/m)) | (dB(μV/m)) | (dB)   |
| <b>Peak data</b>                                               |       |          |             |            |      |            |            |        |
| 10 542.25                                                      | V     | 57.77    | 37.43       | -51.68     | -    | 43.52      | 68.20      | 24.68  |
| 16 574.72                                                      | V     | 56.79    | 41.57       | -45.41     | -    | 52.95      | 68.20      | 15.25  |
| <b>Average Data</b>                                            |       |          |             |            |      |            |            |        |
| No spurious emissions were detected within 20 dB of the limit. |       |          |             |            |      |            |            |        |

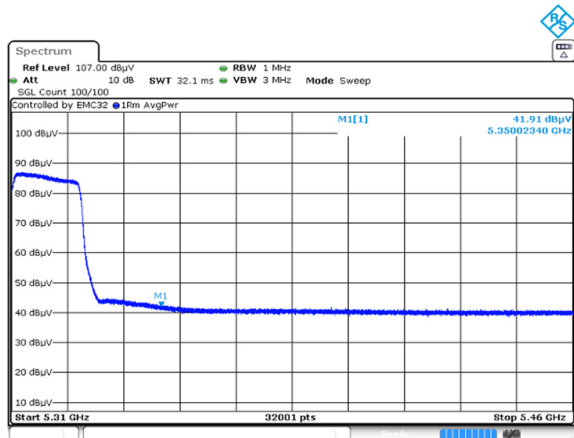
### Highest Channel (5 310 MHz)

| Frequency              | Pol.  | Reading  | Ant. Factor | Amp.+Cable | DCF  | Result     | Limit      | Margin |
|------------------------|-------|----------|-------------|------------|------|------------|------------|--------|
| (MHz)                  | (V/H) | (dB(μV)) | (dB)        | (dB)       | (dB) | (dB(μV/m)) | (dB(μV/m)) | (dB)   |
| <b>Peak data</b>       |       |          |             |            |      |            |            |        |
| 5 350.02 <sup>1)</sup> | H     | 50.83    | 34.56       | -26.84     | -    | 58.55      | 74.00      | 15.45  |
| 10 626.70              | H     | 60.65    | 37.48       | -51.72     | -    | 46.41      | 74.00      | 27.59  |
| 16 558.55              | V     | 57.45    | 41.56       | -45.35     | -    | 53.66      | 68.20      | 14.54  |
| <b>Average Data</b>    |       |          |             |            |      |            |            |        |
| 5 350.02 <sup>1)</sup> | H     | 41.91    | 34.56       | -26.84     | -    | 49.63      | 54.00      | 4.37   |

## 802.11 HT40 UNII-2A ANT1

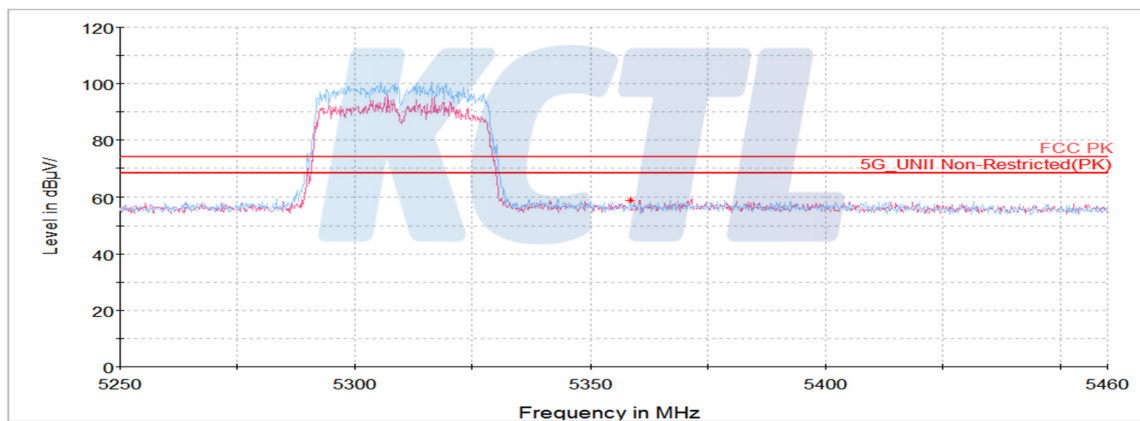
### Highest Channel (5 310 MHz)

#### Average data



Blank

#### Horizontal/Vertical for Band-edge



## 802.11 HT40 UNII-2A ANT2

### Lowest Channel (5 270 MHz)

| Frequency                                                      | Pol.  | Reading  | Ant. Factor | Amp.+Cable | DCF  | Result     | Limit      | Margin |
|----------------------------------------------------------------|-------|----------|-------------|------------|------|------------|------------|--------|
| (MHz)                                                          | (V/H) | (dB(μV)) | (dB)        | (dB)       | (dB) | (dB(μV/m)) | (dB(μV/m)) | (dB)   |
| <b>Peak data</b>                                               |       |          |             |            |      |            |            |        |
| 10 537.94                                                      | H     | 59.90    | 37.42       | -51.68     | -    | 45.64      | 68.20      | 22.56  |
| 16 882.34                                                      | H     | 57.65    | 41.88       | -46.54     | -    | 52.99      | 68.20      | 15.21  |
| <b>Average Data</b>                                            |       |          |             |            |      |            |            |        |
| No spurious emissions were detected within 20 dB of the limit. |       |          |             |            |      |            |            |        |

### Highest Channel (5 310 MHz)

| Frequency               | Pol.  | Reading  | Ant. Factor | Amp.+Cable | DCF  | Result     | Limit      | Margin |
|-------------------------|-------|----------|-------------|------------|------|------------|------------|--------|
| (MHz)                   | (V/H) | (dB(μV)) | (dB)        | (dB)       | (dB) | (dB(μV/m)) | (dB(μV/m)) | (dB)   |
| <b>Peak data</b>        |       |          |             |            |      |            |            |        |
| 5 350.02 <sup>1)</sup>  | V     | 50.41    | 34.56       | -26.84     | -    | 58.13      | 74.00      | 15.87  |
| 10 608.38 <sup>1)</sup> | V     | 59.77    | 37.47       | -51.72     | -    | 45.52      | 74.00      | 28.48  |
| 16 579.03               | V     | 56.74    | 41.58       | -45.43     | -    | 52.89      | 68.20      | 15.31  |
| <b>Average Data</b>     |       |          |             |            |      |            |            |        |
| 5 350.02 <sup>1)</sup>  | V     | 35.88    | 34.56       | -26.84     | -    | 43.60      | 54.00      | 10.40  |