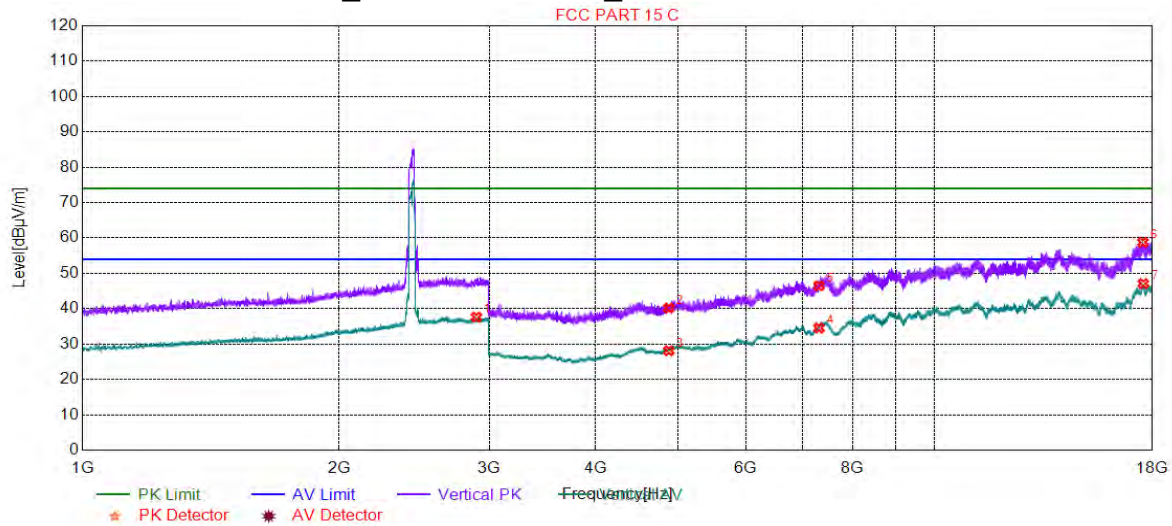


#### 4.9.2.1.20 802.11N40\_Middle Channel\_Vertical



#### Suspected List

| NO. | Freq. [MHz] | Level [dBμV/m] | Factor [dB] | Limit [dBμV/m] | Margin [dB] | Height [cm] | Angle [°] | Polarity |
|-----|-------------|----------------|-------------|----------------|-------------|-------------|-----------|----------|
| 1   | 2897.97     | 37.64          | 2.26        | 54.00          | 16.36       | 150         | 182       | Vertical |
| 2   | 4874.00     | 40.17          | -19.37      | 74.00          | 33.83       | 150         | 181       | Vertical |
| 3   | 4874.00     | 28.13          | -19.37      | 54.00          | 25.87       | 150         | 342       | Vertical |
| 4   | 7311.00     | 34.54          | -11.50      | 54.00          | 19.46       | 150         | 262       | Vertical |
| 5   | 7311.00     | 46.47          | -11.50      | 74.00          | 27.53       | 150         | 198       | Vertical |
| 6   | 17534.9     | 58.79          | 0.80        | 74.00          | 15.21       | 150         | 188       | Vertical |
| 7   | 17557.4     | 47.10          | 1.09        | 54.00          | 6.90        | 150         | 188       | Vertical |



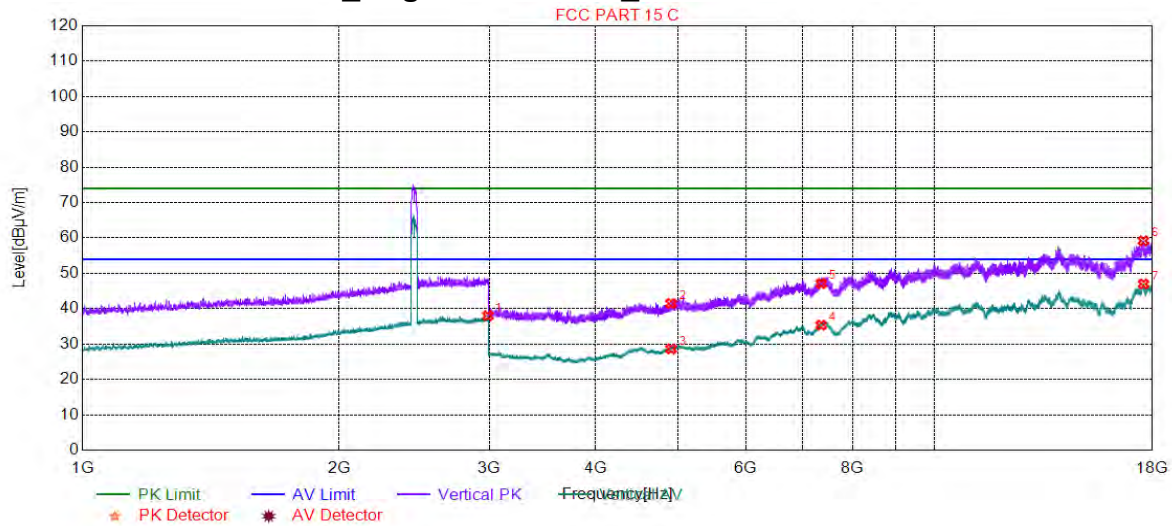
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## 4.9.2.1.21 802.11N40\_Highest Channel\_Vertical

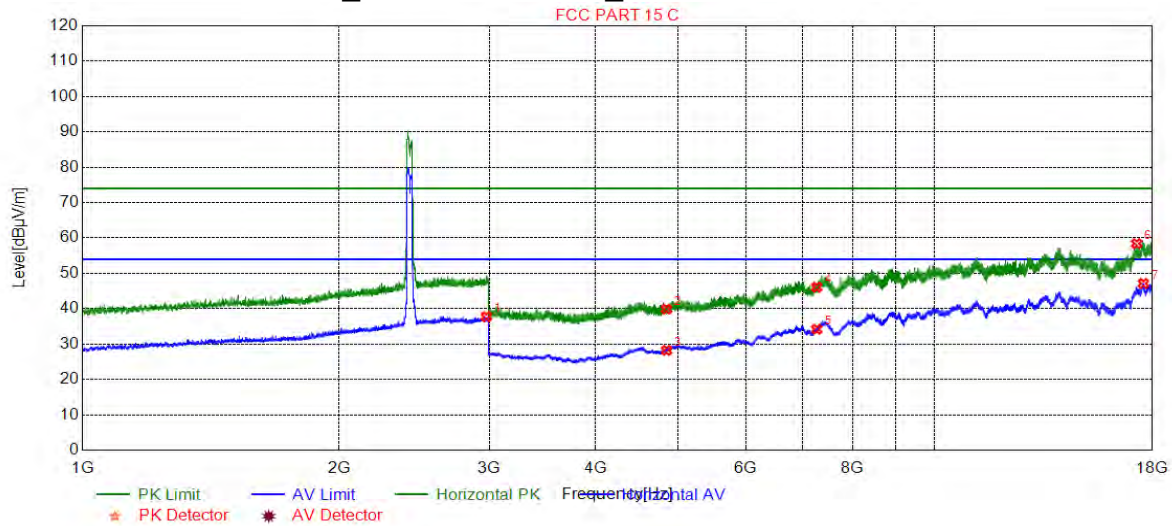


## Suspected List

| NO. | Freq. [MHz] | Level [dBμV/m] | Factor [dB] | Limit [dBμV/m] | Margin [dB] | Height [cm] | Angle [°] | Polarity |
|-----|-------------|----------------|-------------|----------------|-------------|-------------|-----------|----------|
| 1   | 2988.49     | 37.99          | 2.32        | 54.00          | 16.01       | 150         | 359       | Vertical |
| 2   | 4904.00     | 41.50          | -18.98      | 74.00          | 32.50       | 150         | 325       | Vertical |
| 3   | 4904.00     | 28.63          | -18.98      | 54.00          | 25.37       | 150         | 342       | Vertical |
| 4   | 7356.00     | 35.34          | -11.03      | 54.00          | 18.66       | 150         | 228       | Vertical |
| 5   | 7356.00     | 47.13          | -11.03      | 74.00          | 26.87       | 150         | 35        | Vertical |
| 6   | 17559.9     | 59.20          | 1.12        | 74.00          | 14.80       | 150         | 189       | Vertical |
| 7   | 17567.9     | 47.01          | 1.22        | 54.00          | 6.99        | 150         | 75        | Vertical |



## 4.9.2.1.22 802.11N40\_Lowest Channel\_Horizontal

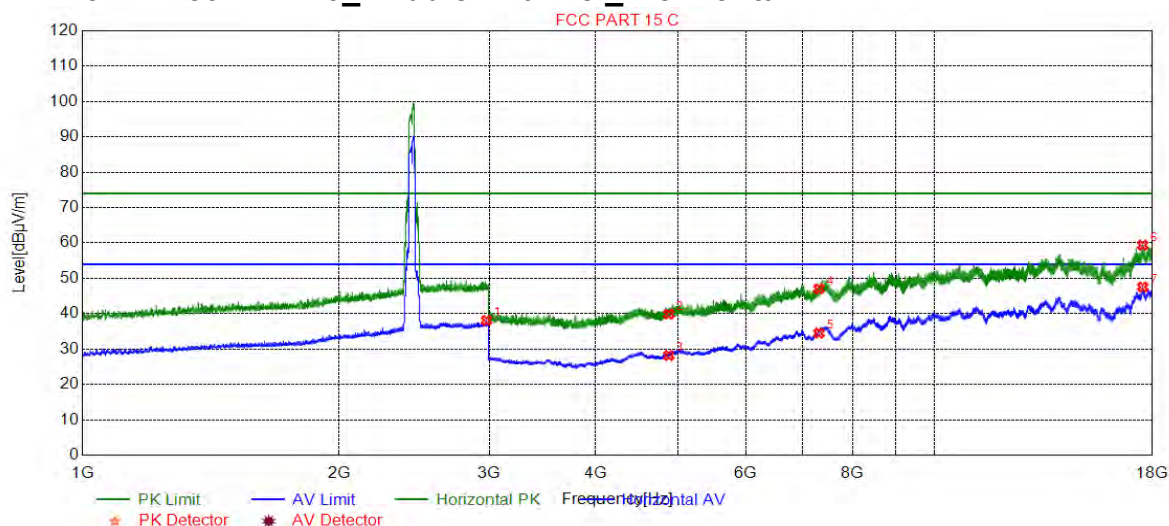


## Suspected List

| NO. | Freq. [MHz] | Level [dBμV/m] | Factor [dB] | Limit [dBμV/m] | Margin [dB] | Height [cm] | Angle [°] | Polarity   |
|-----|-------------|----------------|-------------|----------------|-------------|-------------|-----------|------------|
| 1   | 2976.99     | 37.77          | 2.31        | 54.00          | 16.23       | 150         | 335       | Horizontal |
| 2   | 4844.00     | 39.88          | -19.80      | 74.00          | 34.12       | 150         | 32        | Horizontal |
| 3   | 4844.00     | 28.22          | -19.80      | 54.00          | 25.78       | 150         | 180       | Horizontal |
| 4   | 7266.00     | 46.08          | -12.03      | 74.00          | 27.92       | 150         | 326       | Horizontal |
| 5   | 7266.00     | 34.20          | -12.03      | 54.00          | 19.80       | 150         | 326       | Horizontal |
| 6   | 17247.9     | 58.43          | -1.41       | 74.00          | 15.57       | 150         | 251       | Horizontal |
| 7   | 17564.4     | 47.13          | 1.18        | 54.00          | 6.87        | 150         | 251       | Horizontal |



## 4.9.2.1.23 802.11N40\_Middle Channel\_Horizontal

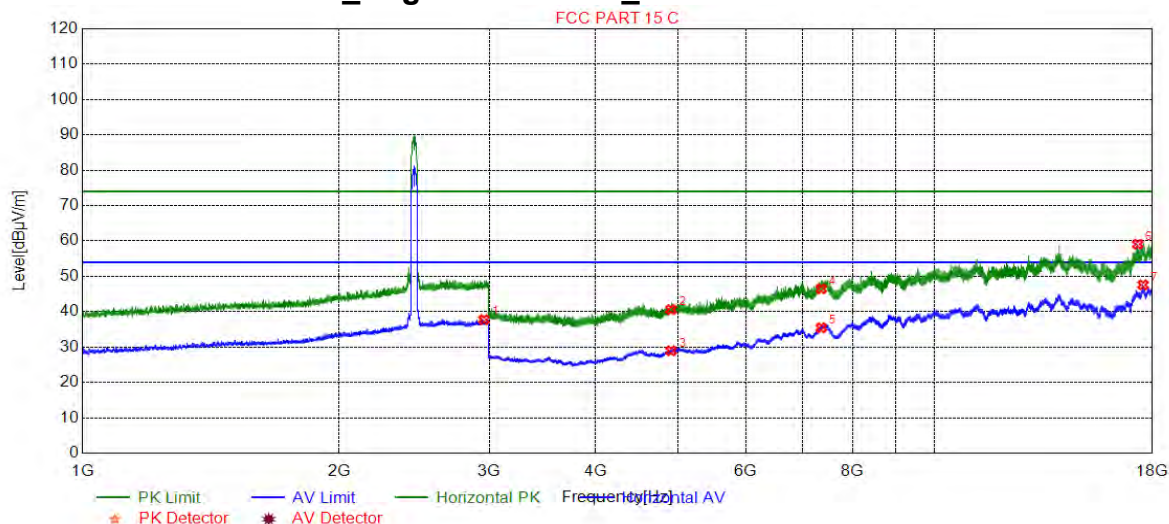


## Suspected List

| NO. | Freq. [MHz] | Level [dBμV/m] | Factor [dB] | Limit [dBμV/m] | Margin [dB] | Height [cm] | Angle [°] | Polarity   |
|-----|-------------|----------------|-------------|----------------|-------------|-------------|-----------|------------|
| 1   | 2978.49     | 38.10          | 2.31        | 54.00          | 15.90       | 150         | 270       | Horizontal |
| 2   | 4874.00     | 39.89          | -19.37      | 74.00          | 34.11       | 150         | 128       | Horizontal |
| 3   | 4874.00     | 28.20          | -19.37      | 54.00          | 25.80       | 150         | 128       | Horizontal |
| 4   | 7311.00     | 47.04          | -11.50      | 74.00          | 26.96       | 150         | 180       | Horizontal |
| 5   | 7311.00     | 34.50          | -11.50      | 54.00          | 19.50       | 150         | 164       | Horizontal |
| 6   | 17525.9     | 59.39          | 0.68        | 74.00          | 14.61       | 150         | 274       | Horizontal |
| 7   | 17531.9     | 47.57          | 0.76        | 54.00          | 6.43        | 150         | 217       | Horizontal |



## 4.9.2.1.24 802.11N40\_Highest Channel\_Horizontal



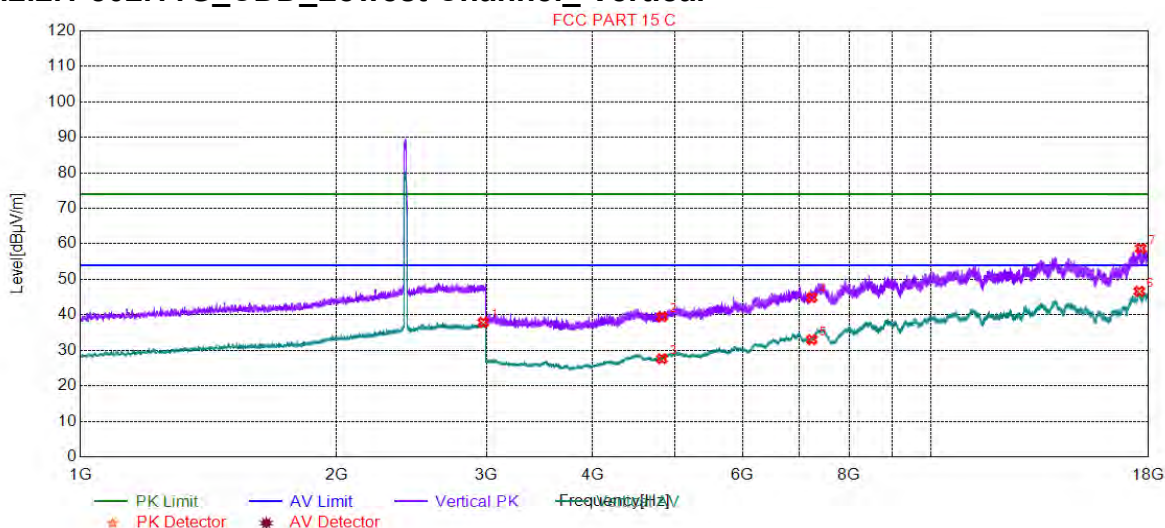
## Suspected List

| NO. | Freq. [MHz] | Level [dBμV/m] | Factor [dB] | Limit [dBμV/m] | Margin [dB] | Height [cm] | Angle [°] | Polarity   |
|-----|-------------|----------------|-------------|----------------|-------------|-------------|-----------|------------|
| 1   | 2957.48     | 37.77          | 2.30        | 54.00          | 16.23       | 150         | 93        | Horizontal |
| 2   | 4904.00     | 40.60          | -18.98      | 74.00          | 33.40       | 150         | 138       | Horizontal |
| 3   | 4904.00     | 28.95          | -18.98      | 54.00          | 25.05       | 150         | 237       | Horizontal |
| 4   | 7356.00     | 46.48          | -11.03      | 74.00          | 27.52       | 150         | 342       | Horizontal |
| 5   | 7356.00     | 35.46          | -11.03      | 54.00          | 18.54       | 150         | 237       | Horizontal |
| 6   | 17300.4     | 59.08          | -1.17       | 74.00          | 14.92       | 150         | 160       | Horizontal |
| 7   | 17545.9     | 47.60          | 0.94        | 54.00          | 6.40        | 150         | 357       | Horizontal |



## 4.9.2.2 CDD &amp; MIMO

## 4.9.2.2.1 802.11G\_CDD\_Lowest Channel\_Vertical

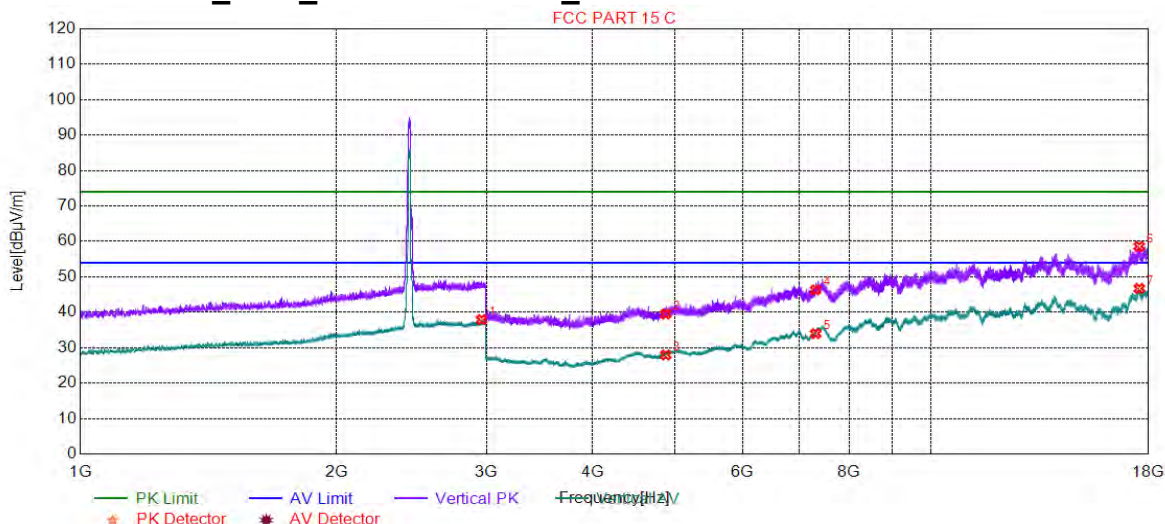


## Suspected List

| NO. | Freq. [MHz] | Level [dBμV/m] | Factor [dB] | Limit [dBμV/m] | Margin [dB] | Height [cm] | Angle [°] | Polarity |
|-----|-------------|----------------|-------------|----------------|-------------|-------------|-----------|----------|
| 1   | 2974.49     | 37.86          | 2.31        | 54.00          | 16.14       | 150         | 209       | Vertical |
| 2   | 4824.00     | 39.47          | -20.09      | 74.00          | 34.53       | 150         | 261       | Vertical |
| 3   | 4824.00     | 27.64          | -20.09      | 54.00          | 26.36       | 150         | 261       | Vertical |
| 4   | 7236.00     | 44.89          | -12.40      | 74.00          | 29.11       | 150         | 117       | Vertical |
| 5   | 7236.00     | 33.02          | -12.40      | 54.00          | 20.98       | 150         | 68        | Vertical |
| 6   | 17549.9     | 46.63          | 0.99        | 54.00          | 7.37        | 150         | 133       | Vertical |
| 7   | 17622.9     | 58.72          | 1.03        | 74.00          | 15.28       | 150         | 218       | Vertical |



#### 4.9.2.2.2 802.11G\_CDD\_Middle Channel\_Vertical



#### Suspected List

| NO. | Freq. [MHz] | Level [dBμV/m] | Factor [dB] | Limit [dBμV/m] | Margin [dB] | Height [cm] | Angle [°] | Polarity |
|-----|-------------|----------------|-------------|----------------|-------------|-------------|-----------|----------|
| 1   | 2961.99     | 37.92          | 2.30        | 54.00          | 16.08       | 150         | 229       | Vertical |
| 2   | 4874.00     | 39.53          | -19.37      | 74.00          | 34.47       | 150         | 188       | Vertical |
| 3   | 4874.00     | 27.95          | -19.37      | 54.00          | 26.05       | 150         | 12        | Vertical |
| 4   | 7311.00     | 46.32          | -11.50      | 74.00          | 27.68       | 150         | 220       | Vertical |
| 5   | 7311.00     | 33.99          | -11.50      | 54.00          | 20.01       | 150         | 28        | Vertical |
| 6   | 17544.4     | 58.58          | 0.92        | 74.00          | 15.42       | 150         | 18        | Vertical |
| 7   | 17549.4     | 46.71          | 0.98        | 54.00          | 7.29        | 150         | 160       | Vertical |



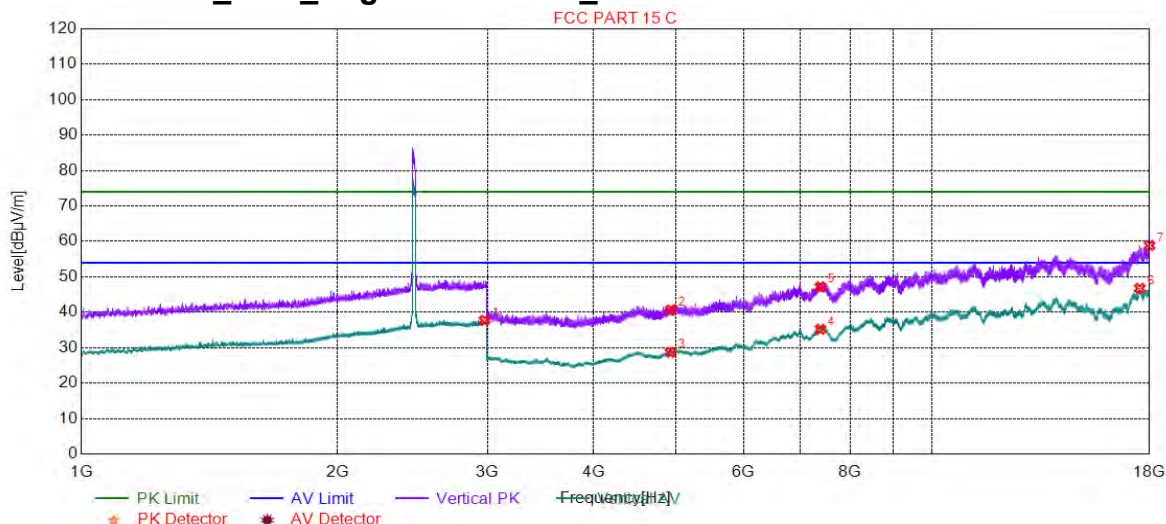
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## 4.9.2.2.3 802.11G\_CDD\_Highest Channel\_Vertical

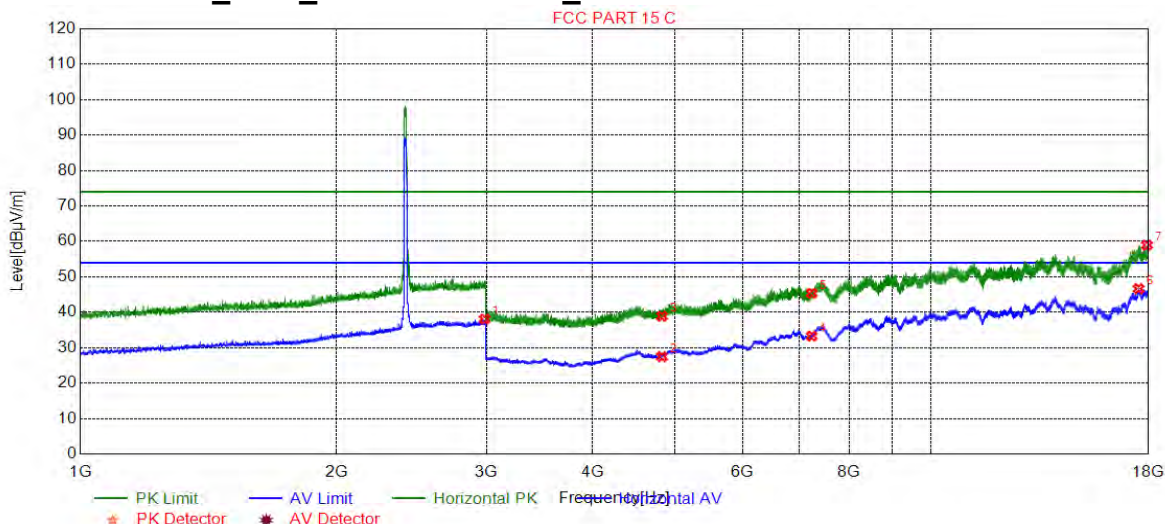


## Suspected List

| NO. | Freq. [MHz] | Level [dBμV/m] | Factor [dB] | Limit [dBμV/m] | Margin [dB] | Height [cm] | Angle [°] | Polarity |
|-----|-------------|----------------|-------------|----------------|-------------|-------------|-----------|----------|
| 1   | 2976.49     | 37.75          | 2.31        | 54.00          | 16.25       | 150         | 153       | Vertical |
| 2   | 4924.00     | 40.64          | -18.87      | 74.00          | 33.36       | 150         | 294       | Vertical |
| 3   | 4924.00     | 28.71          | -18.87      | 54.00          | 25.29       | 150         | 149       | Vertical |
| 4   | 7386.00     | 35.21          | -10.72      | 54.00          | 18.79       | 150         | 342       | Vertical |
| 5   | 7386.00     | 47.17          | -10.72      | 74.00          | 26.83       | 150         | 117       | Vertical |
| 6   | 17525.9     | 46.74          | 0.68        | 54.00          | 7.26        | 150         | 47        | Vertical |
| 7   | 17995.4     | 58.83          | -0.38       | 74.00          | 15.17       | 150         | 330       | Vertical |



#### 4.9.2.2.4 802.11G\_CDD\_Lowest Channel\_Horizontal



#### Suspected List

| NO. | Freq. [MHz] | Level [dBμV/m] | Factor [dB] | Limit [dBμV/m] | Margin [dB] | Height [cm] | Angle [°] | Polarity   |
|-----|-------------|----------------|-------------|----------------|-------------|-------------|-----------|------------|
| 1   | 2985.49     | 38.06          | 2.32        | 54.00          | 15.94       | 150         | 360       | Horizontal |
| 2   | 4824.00     | 27.48          | -20.09      | 54.00          | 26.52       | 150         | 148       | Horizontal |
| 3   | 4824.00     | 38.89          | -20.09      | 74.00          | 35.11       | 150         | 310       | Horizontal |
| 4   | 7236.00     | 33.29          | -12.40      | 54.00          | 20.71       | 150         | 68        | Horizontal |
| 5   | 7236.00     | 45.37          | -12.40      | 74.00          | 28.63       | 150         | 100       | Horizontal |
| 6   | 17517.4     | 46.67          | 0.57        | 54.00          | 7.33        | 150         | 302       | Horizontal |
| 7   | 17920.9     | 58.95          | -0.95       | 74.00          | 15.05       | 150         | 18        | Horizontal |



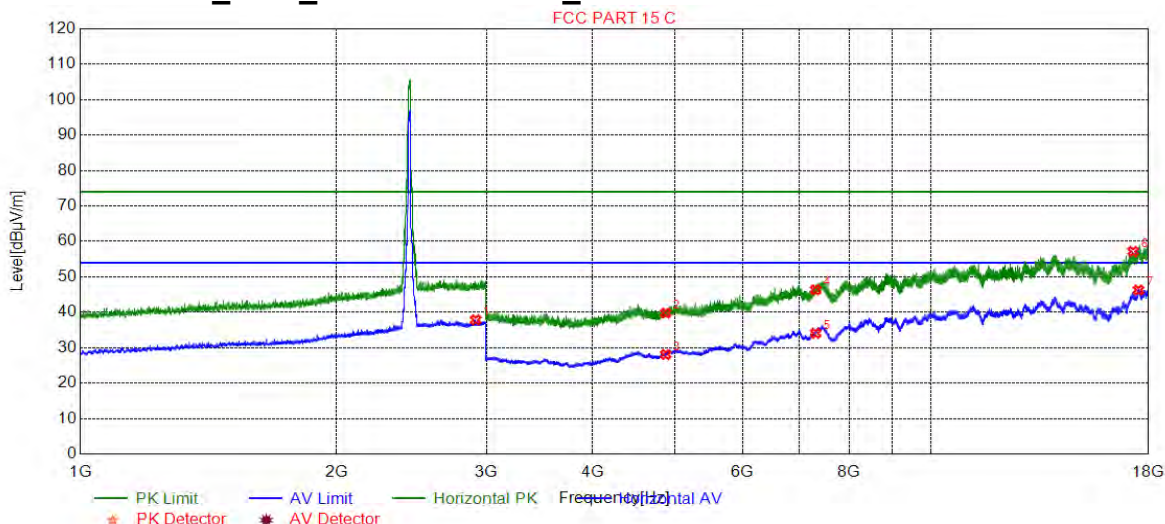
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## 4.9.2.2.5 802.11G\_CDD\_Middle Channel\_Horizontal

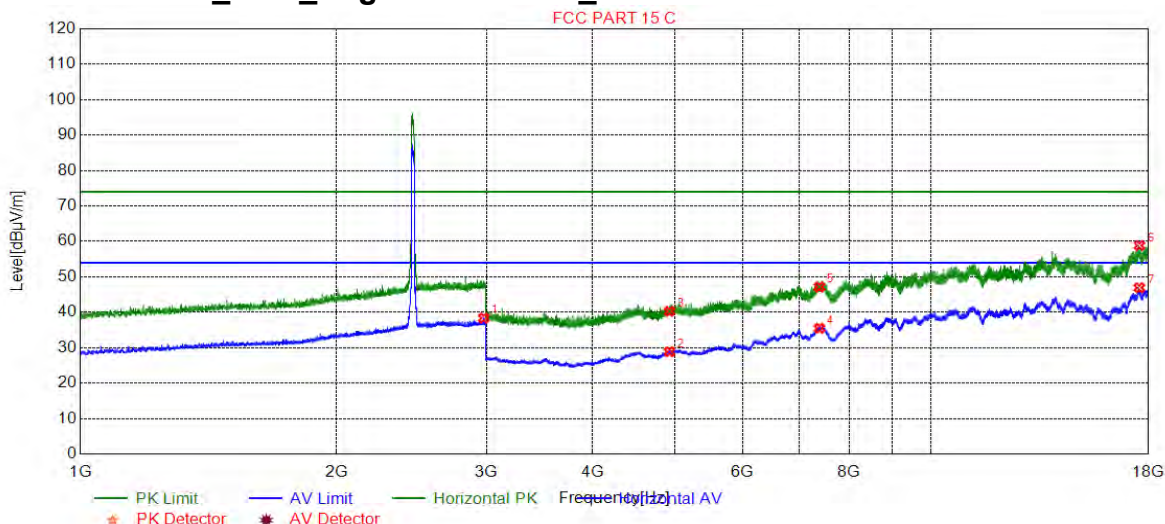


## Suspected List

| NO. | Freq. [MHz] | Level [dBμV/m] | Factor [dB] | Limit [dBμV/m] | Margin [dB] | Height [cm] | Angle [°] | Polarity   |
|-----|-------------|----------------|-------------|----------------|-------------|-------------|-----------|------------|
| 1   | 2914.47     | 37.85          | 2.27        | 54.00          | 16.15       | 150         | 144       | Horizontal |
| 2   | 4874.00     | 39.79          | -19.37      | 74.00          | 34.21       | 150         | 65        | Horizontal |
| 3   | 4874.00     | 28.09          | -19.37      | 54.00          | 25.91       | 150         | 342       | Horizontal |
| 4   | 7311.00     | 46.34          | -11.50      | 74.00          | 27.66       | 150         | 131       | Horizontal |
| 5   | 7311.00     | 34.08          | -11.50      | 54.00          | 19.92       | 150         | 65        | Horizontal |
| 6   | 17258.4     | 57.17          | -1.37       | 74.00          | 16.83       | 150         | 315       | Horizontal |
| 7   | 17512.9     | 46.27          | 0.52        | 54.00          | 7.73        | 150         | 229       | Horizontal |



#### 4.9.2.2.6 802.11G\_CDD\_Highest Channel\_Horizontal



| Suspected List |             |                |             |                |             |             |           |            |
|----------------|-------------|----------------|-------------|----------------|-------------|-------------|-----------|------------|
| NO.            | Freq. [MHz] | Level [dBμV/m] | Factor [dB] | Limit [dBμV/m] | Margin [dB] | Height [cm] | Angle [°] | Polarity   |
| 1              | 2978.49     | 38.38          | 2.31        | 54.00          | 15.62       | 150         | 262       | Horizontal |
| 2              | 4924.00     | 28.86          | -18.87      | 54.00          | 25.14       | 150         | 98        | Horizontal |
| 3              | 4924.00     | 40.28          | -18.87      | 74.00          | 33.72       | 150         | 243       | Horizontal |
| 4              | 7386.00     | 35.50          | -10.72      | 54.00          | 18.50       | 150         | 65        | Horizontal |
| 5              | 7386.00     | 47.17          | -10.72      | 74.00          | 26.83       | 150         | 211       | Horizontal |
| 6              | 17553.4     | 58.84          | 1.03        | 74.00          | 15.16       | 150         | 75        | Horizontal |
| 7              | 17554.4     | 46.92          | 1.05        | 54.00          | 7.08        | 150         | 274       | Horizontal |



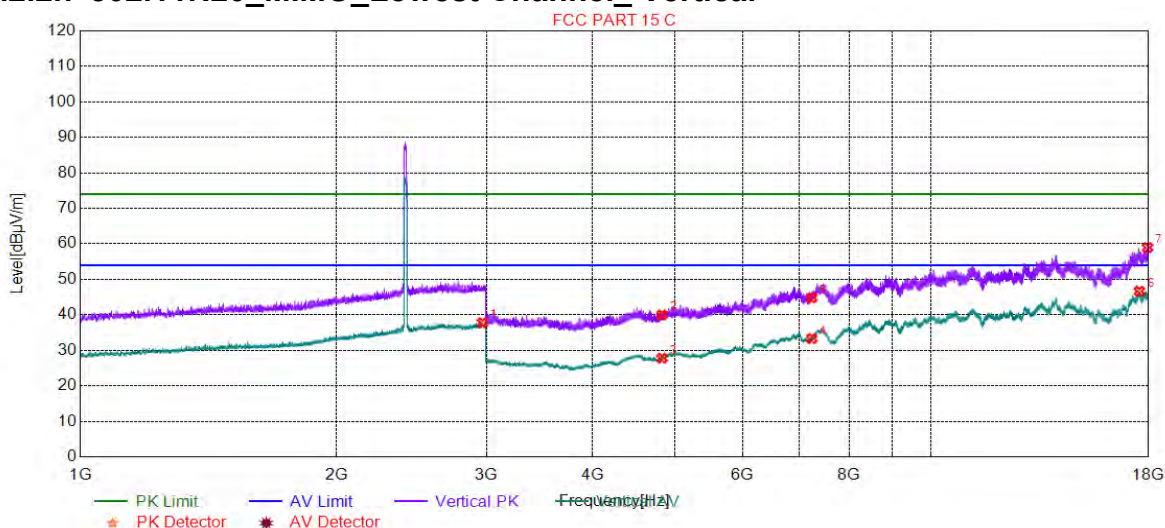
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## 4.9.2.2.7 802.11N20\_MIMO\_Lowest Channel\_Vertical

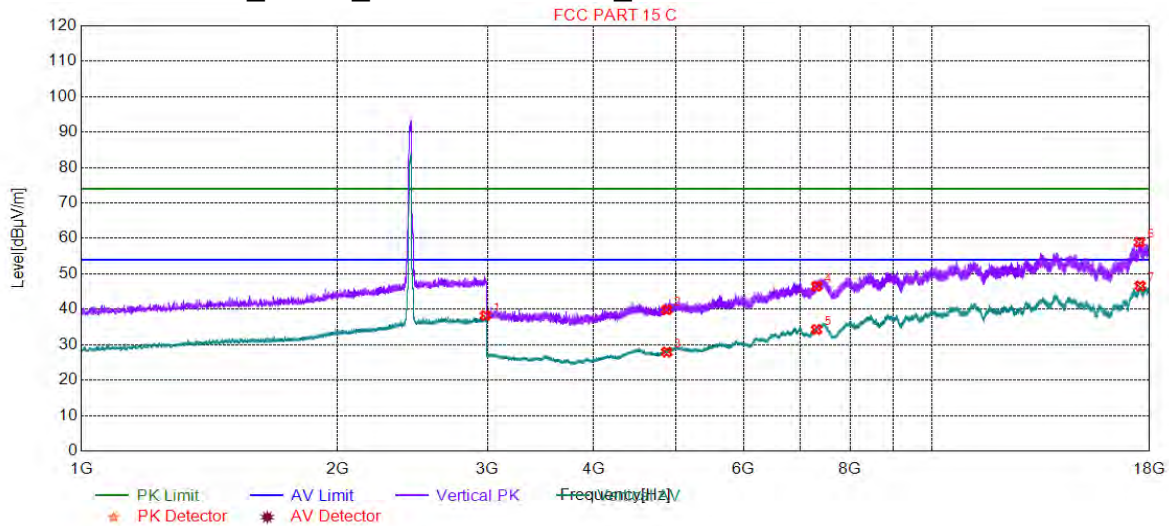


## Suspected List

| NO. | Freq. [MHz] | Level [dBμV/m] | Factor [dB] | Limit [dBμV/m] | Margin [dB] | Height [cm] | Angle [°] | Polarity |
|-----|-------------|----------------|-------------|----------------|-------------|-------------|-----------|----------|
| 1   | 2968.49     | 37.77          | 2.31        | 54.00          | 16.23       | 150         | 343       | Vertical |
| 2   | 4824.00     | 39.99          | -20.09      | 74.00          | 34.01       | 150         | 181       | Vertical |
| 3   | 4824.00     | 27.80          | -20.09      | 54.00          | 26.20       | 150         | 213       | Vertical |
| 4   | 7236.00     | 33.33          | -12.40      | 54.00          | 20.67       | 150         | 68        | Vertical |
| 5   | 7236.00     | 44.78          | -12.40      | 74.00          | 29.22       | 150         | 68        | Vertical |
| 6   | 17555.4     | 46.64          | 1.06        | 54.00          | 7.36        | 150         | 160       | Vertical |
| 7   | 17944.4     | 58.96          | -0.77       | 74.00          | 15.04       | 150         | 330       | Vertical |



#### 4.9.2.2.8 802.11N20\_MIMO\_Middle Channel\_Vertical



#### Suspected List

| NO. | Freq. [MHz] | Level [dBμV/m] | Factor [dB] | Limit [dBμV/m] | Margin [dB] | Height [cm] | Angle [°] | Polarity |
|-----|-------------|----------------|-------------|----------------|-------------|-------------|-----------|----------|
| 1   | 2984.99     | 38.25          | 2.32        | 54.00          | 15.75       | 150         | 135       | Vertical |
| 2   | 4874.00     | 39.87          | -19.37      | 74.00          | 34.13       | 150         | 261       | Vertical |
| 3   | 4874.00     | 27.93          | -19.37      | 54.00          | 26.07       | 150         | 342       | Vertical |
| 4   | 7311.00     | 46.52          | -11.50      | 74.00          | 27.48       | 150         | 179       | Vertical |
| 5   | 7311.00     | 34.29          | -11.50      | 54.00          | 19.71       | 150         | 163       | Vertical |
| 6   | 17514.4     | 58.91          | 0.54        | 74.00          | 15.09       | 150         | 161       | Vertical |
| 7   | 17544.9     | 46.60          | 0.93        | 54.00          | 7.40        | 150         | 276       | Vertical |



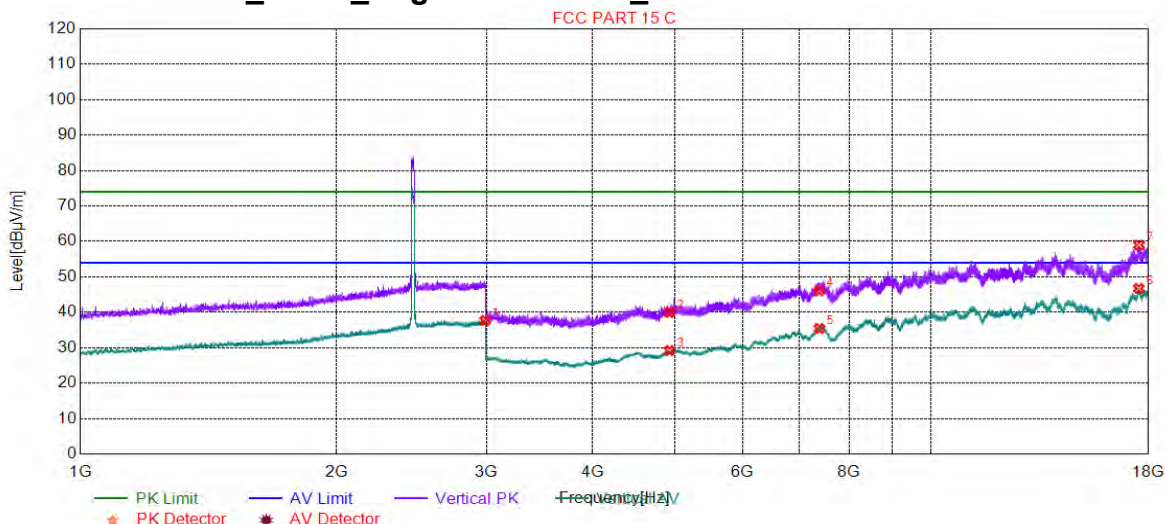
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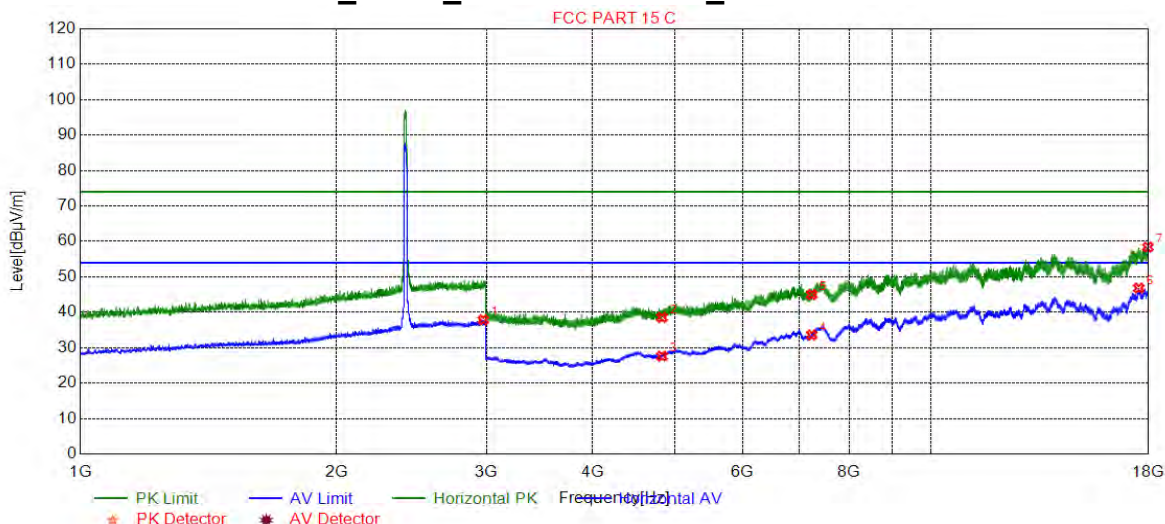
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#### 4.9.2.2.9 802.11N20\_MIMO\_Highest Channel\_Vertical



| Suspected List |             |                |             |                |             |             |           |          |
|----------------|-------------|----------------|-------------|----------------|-------------|-------------|-----------|----------|
| NO.            | Freq. [MHz] | Level [dBμV/m] | Factor [dB] | Limit [dBμV/m] | Margin [dB] | Height [cm] | Angle [°] | Polarity |
| 1              | 2989.49     | 37.70          | 2.32        | 54.00          | 16.30       | 150         | 84        | Vertical |
| 2              | 4924.00     | 39.94          | -18.87      | 74.00          | 34.06       | 150         | 326       | Vertical |
| 3              | 4924.00     | 29.18          | -18.87      | 54.00          | 24.82       | 150         | 130       | Vertical |
| 4              | 7386.00     | 46.08          | -10.72      | 74.00          | 27.92       | 150         | 212       | Vertical |
| 5              | 7386.00     | 35.42          | -10.72      | 54.00          | 18.58       | 150         | 163       | Vertical |
| 6              | 17527.9     | 46.71          | 0.71        | 54.00          | 7.29        | 150         | 189       | Vertical |
| 7              | 17536.9     | 58.97          | 0.82        | 74.00          | 15.03       | 150         | 357       | Vertical |

#### 4.9.2.2.10 802.11N20\_MIMO\_Lowest Channel\_Horizontal



| Suspected List |             |                |             |                |             |             |           |            |
|----------------|-------------|----------------|-------------|----------------|-------------|-------------|-----------|------------|
| NO.            | Freq. [MHz] | Level [dBμV/m] | Factor [dB] | Limit [dBμV/m] | Margin [dB] | Height [cm] | Angle [°] | Polarity   |
| 1              | 2974.49     | 37.85          | 2.31        | 54.00          | 16.15       | 150         | 136       | Horizontal |
| 2              | 4824.00     | 38.55          | -20.09      | 74.00          | 35.45       | 150         | 305       | Horizontal |
| 3              | 4824.00     | 27.63          | -20.09      | 54.00          | 26.37       | 150         | 198       | Horizontal |
| 4              | 7236.00     | 33.61          | -12.40      | 54.00          | 20.39       | 150         | 69        | Horizontal |
| 5              | 7236.00     | 45.01          | -12.40      | 74.00          | 28.99       | 150         | 273       | Horizontal |
| 6              | 17525.9     | 46.81          | 0.68        | 54.00          | 7.19        | 150         | 161       | Horizontal |
| 7              | 17966.4     | 58.40          | -0.60       | 74.00          | 15.60       | 150         | 161       | Horizontal |



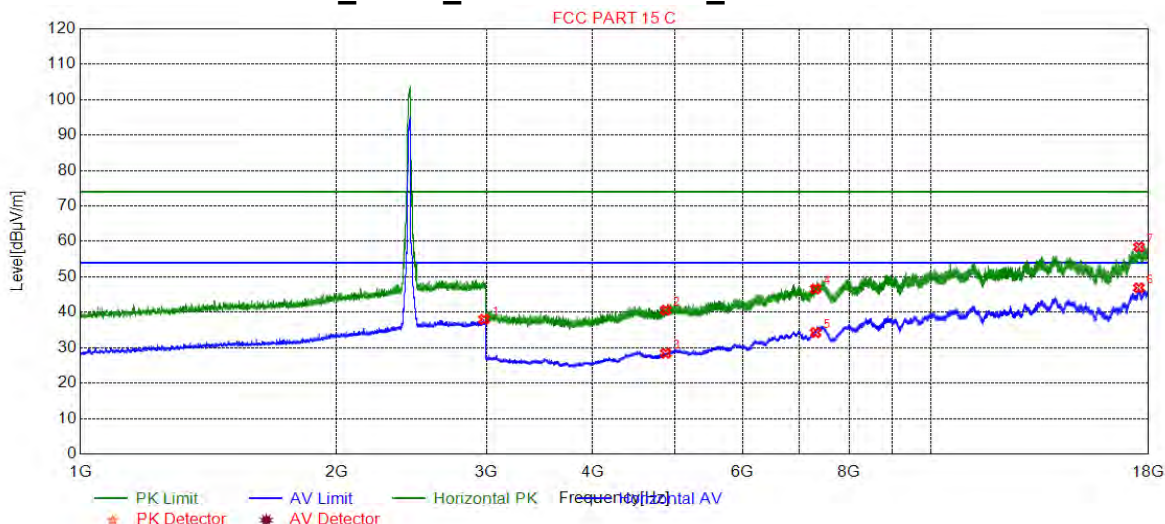
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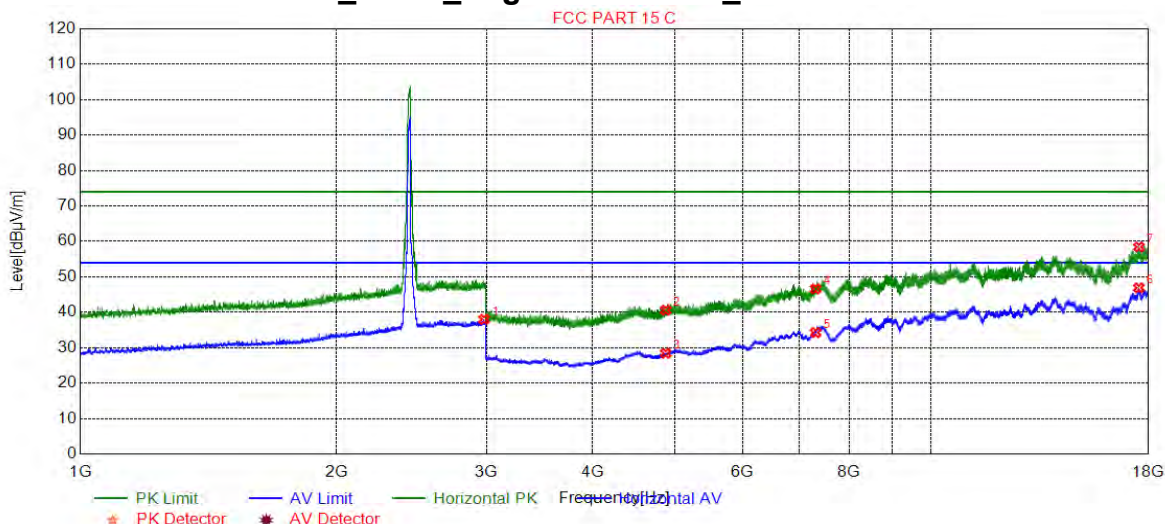
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#### 4.9.2.2.11 802.11N20\_MIMO\_Middle Channel\_Horizontal



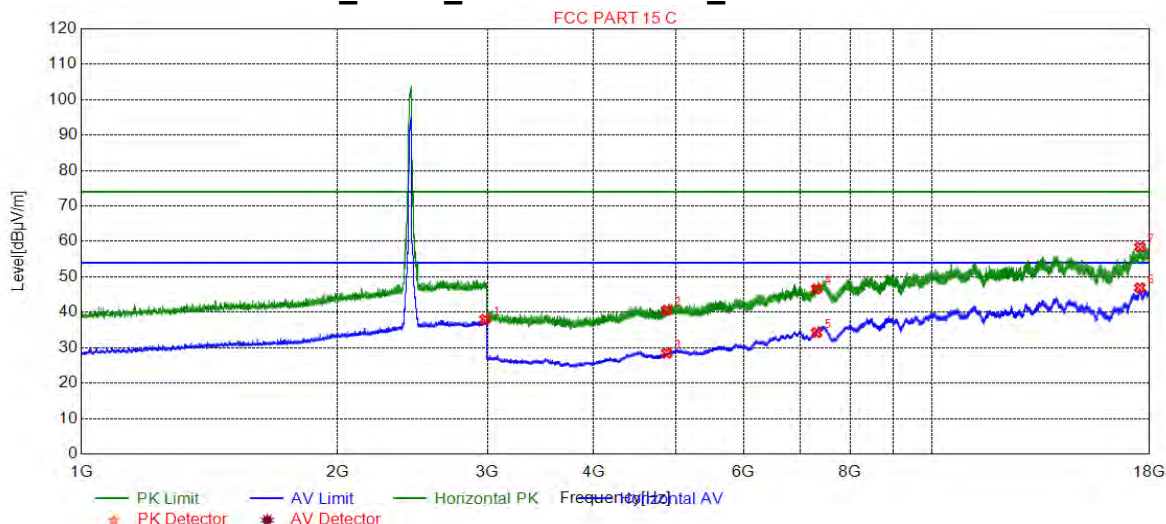
| Suspected List |             |                |             |                |             |             |           |            |
|----------------|-------------|----------------|-------------|----------------|-------------|-------------|-----------|------------|
| NO.            | Freq. [MHz] | Level [dBμV/m] | Factor [dB] | Limit [dBμV/m] | Margin [dB] | Height [cm] | Angle [°] | Polarity   |
| 1              | 2981.49     | 38.00          | 2.32        | 54.00          | 16.00       | 150         | 56        | Horizontal |
| 2              | 4874.00     | 40.60          | -19.37      | 74.00          | 33.40       | 150         | 342       | Horizontal |
| 3              | 4874.00     | 28.44          | -19.37      | 54.00          | 25.56       | 150         | 114       | Horizontal |
| 4              | 7311.00     | 46.60          | -11.50      | 74.00          | 27.40       | 150         | 244       | Horizontal |
| 5              | 7311.00     | 34.26          | -11.50      | 54.00          | 19.74       | 150         | 228       | Horizontal |
| 6              | 17529.9     | 46.90          | 0.73        | 54.00          | 7.10        | 150         | 246       | Horizontal |
| 7              | 17535.4     | 58.44          | 0.80        | 74.00          | 15.56       | 150         | 275       | Horizontal |

#### 4.9.2.2.12 802.11N20\_MIMO\_Highest Channel\_Horizontal



| Suspected List |             |                |             |                |             |             |           |            |
|----------------|-------------|----------------|-------------|----------------|-------------|-------------|-----------|------------|
| NO.            | Freq. [MHz] | Level [dBμV/m] | Factor [dB] | Limit [dBμV/m] | Margin [dB] | Height [cm] | Angle [°] | Polarity   |
| 1              | 2981.49     | 38.00          | 2.32        | 54.00          | 16.00       | 150         | 56        | Horizontal |
| 2              | 4874.00     | 40.60          | -19.37      | 74.00          | 33.40       | 150         | 342       | Horizontal |
| 3              | 4874.00     | 28.44          | -19.37      | 54.00          | 25.56       | 150         | 114       | Horizontal |
| 4              | 7311.00     | 46.60          | -11.50      | 74.00          | 27.40       | 150         | 244       | Horizontal |
| 5              | 7311.00     | 34.26          | -11.50      | 54.00          | 19.74       | 150         | 228       | Horizontal |
| 6              | 17529.9     | 46.90          | 0.73        | 54.00          | 7.10        | 150         | 246       | Horizontal |
| 7              | 17535.4     | 58.44          | 0.80        | 74.00          | 15.56       | 150         | 275       | Horizontal |

## 4.9.2.2.13 802.11N40\_MIMO\_Lowest Channel\_Vertical

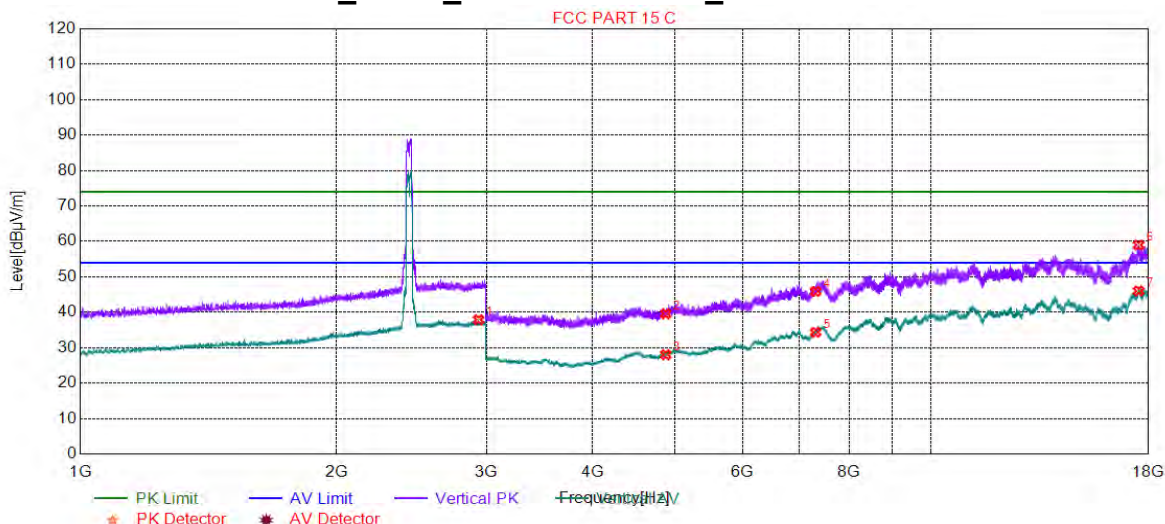


## Suspected List

| NO. | Freq. [MHz] | Level [dBμV/m] | Factor [dB] | Limit [dBμV/m] | Margin [dB] | Height [cm] | Angle [°] | Polarity   |
|-----|-------------|----------------|-------------|----------------|-------------|-------------|-----------|------------|
| 1   | 2981.49     | 38.00          | 2.32        | 54.00          | 16.00       | 150         | 56        | Horizontal |
| 2   | 4874.00     | 40.60          | -19.37      | 74.00          | 33.40       | 150         | 342       | Horizontal |
| 3   | 4874.00     | 28.44          | -19.37      | 54.00          | 25.56       | 150         | 114       | Horizontal |
| 4   | 7311.00     | 46.60          | -11.50      | 74.00          | 27.40       | 150         | 244       | Horizontal |
| 5   | 7311.00     | 34.26          | -11.50      | 54.00          | 19.74       | 150         | 228       | Horizontal |
| 6   | 17529.9     | 46.90          | 0.73        | 54.00          | 7.10        | 150         | 246       | Horizontal |
| 7   | 17535.4     | 58.44          | 0.80        | 74.00          | 15.56       | 150         | 275       | Horizontal |



#### 4.9.2.2.14 802.11N40\_MIMO\_Middle Channel\_Vertical



| Suspected List |             |                |             |                |             |             |           |          |
|----------------|-------------|----------------|-------------|----------------|-------------|-------------|-----------|----------|
| NO.            | Freq. [MHz] | Level [dBμV/m] | Factor [dB] | Limit [dBμV/m] | Margin [dB] | Height [cm] | Angle [°] | Polarity |
| 1              | 2936.98     | 37.90          | 2.29        | 54.00          | 16.10       | 150         | 41        | Vertical |
| 2              | 4874.00     | 39.59          | -19.37      | 74.00          | 34.41       | 150         | 164       | Vertical |
| 3              | 4874.00     | 28.03          | -19.37      | 54.00          | 25.97       | 150         | 4         | Vertical |
| 4              | 7311.00     | 45.89          | -11.50      | 74.00          | 28.11       | 150         | 0         | Vertical |
| 5              | 7311.00     | 34.37          | -11.50      | 54.00          | 19.63       | 150         | 0         | Vertical |
| 6              | 17516.4     | 58.98          | 0.56        | 74.00          | 15.02       | 150         | 274       | Vertical |
| 7              | 17520.4     | 46.03          | 0.61        | 54.00          | 7.97        | 150         | 103       | Vertical |



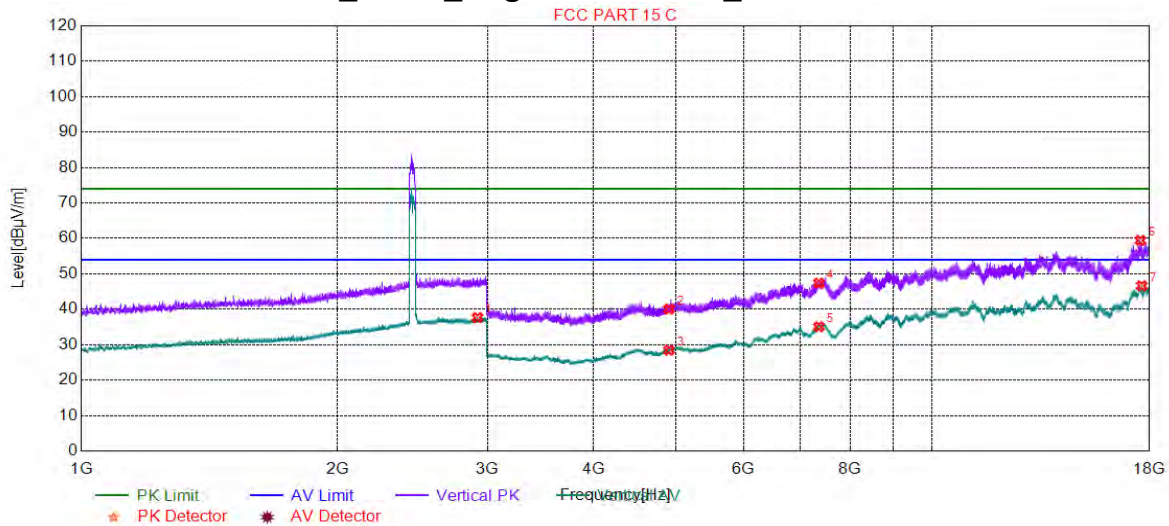
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#### 4.9.2.2.15 802.11N40\_MIMO\_Highest Channel\_Vertical

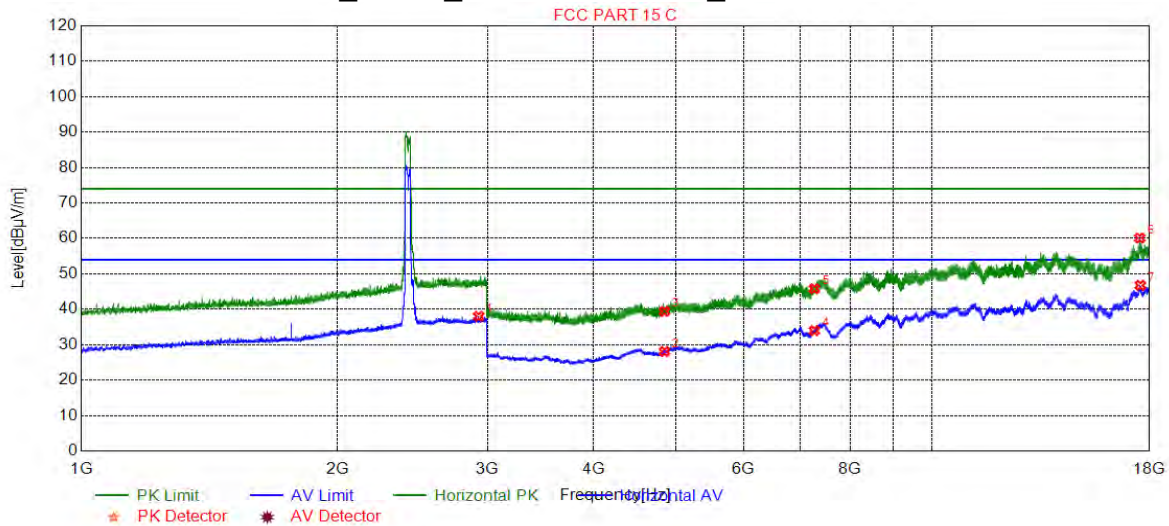


#### Suspected List

| NO. | Freq. [MHz] | Level [dBμV/m] | Factor [dB] | Limit [dBμV/m] | Margin [dB] | Height [cm] | Angle [°] | Polarity |
|-----|-------------|----------------|-------------|----------------|-------------|-------------|-----------|----------|
| 1   | 2920.98     | 37.66          | 2.27        | 54.00          | 16.34       | 150         | 130       | Vertical |
| 2   | 4904.00     | 40.03          | -18.98      | 74.00          | 33.97       | 150         | 325       | Vertical |
| 3   | 4904.00     | 28.46          | -18.98      | 54.00          | 25.54       | 150         | 68        | Vertical |
| 4   | 7356.00     | 47.38          | -11.03      | 74.00          | 26.62       | 150         | 36        | Vertical |
| 5   | 7356.00     | 35.08          | -11.03      | 54.00          | 18.92       | 150         | 196       | Vertical |
| 6   | 17555.4     | 59.44          | 1.06        | 74.00          | 14.56       | 150         | 133       | Vertical |
| 7   | 17620.9     | 46.62          | 1.08        | 54.00          | 7.38        | 150         | 247       | Vertical |



#### 4.9.2.2.16 802.11N40\_MIMO\_Lowest Channel\_Horizontal

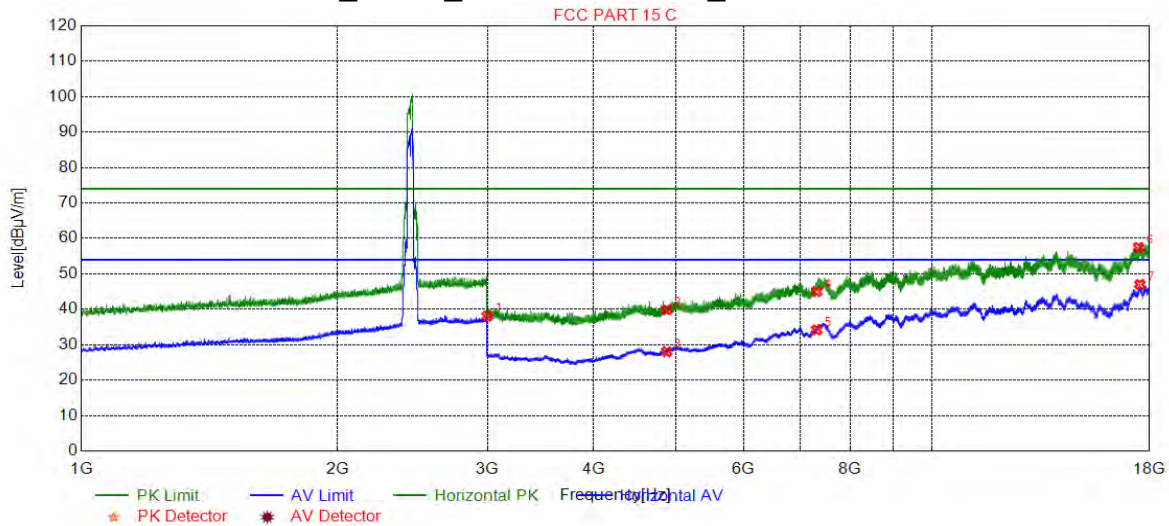


#### Suspected List

| NO. | Freq. [MHz] | Level [dBμV/m] | Factor [dB] | Limit [dBμV/m] | Margin [dB] | Height [cm] | Angle [°] | Polarity   |
|-----|-------------|----------------|-------------|----------------|-------------|-------------|-----------|------------|
| 1   | 2930.48     | 38.00          | 2.28        | 54.00          | 16.00       | 150         | 34        | Horizontal |
| 2   | 4844.00     | 28.07          | -19.80      | 54.00          | 25.93       | 150         | 228       | Horizontal |
| 3   | 4844.00     | 39.41          | -19.80      | 74.00          | 34.59       | 150         | 148       | Horizontal |
| 4   | 7266.00     | 33.98          | -12.03      | 54.00          | 20.02       | 150         | 326       | Horizontal |
| 5   | 7266.00     | 45.80          | -12.03      | 74.00          | 28.20       | 150         | 245       | Horizontal |
| 6   | 17526.4     | 60.11          | 0.69        | 74.00          | 13.89       | 150         | 274       | Horizontal |
| 7   | 17551.4     | 46.75          | 1.01        | 54.00          | 7.25        | 150         | 74        | Horizontal |



## 4.9.2.2.17 802.11N40\_MIMO\_Middle Channel\_Horizontal

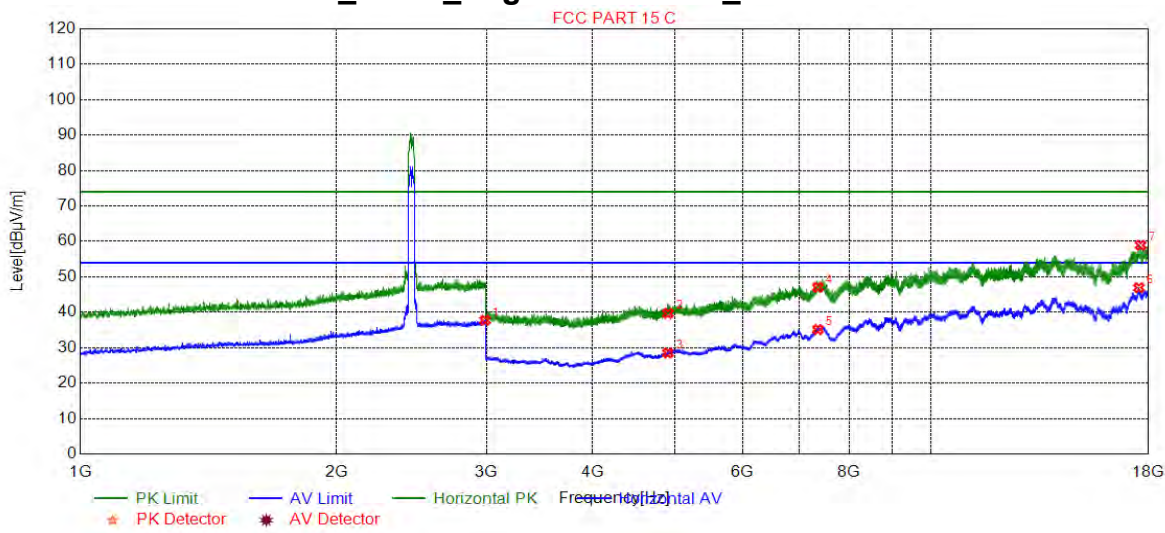


## Suspected List

| NO. | Freq. [MHz] | Level [dBμV/m] | Factor [dB] | Limit [dBμV/m] | Margin [dB] | Height [cm] | Angle [°] | Polarity   |
|-----|-------------|----------------|-------------|----------------|-------------|-------------|-----------|------------|
| 1   | 2998.49     | 38.05          | 2.33        | 54.00          | 15.95       | 150         | 161       | Horizontal |
| 2   | 4874.00     | 39.84          | -19.37      | 74.00          | 34.16       | 150         | 229       | Horizontal |
| 3   | 4874.00     | 28.02          | -19.37      | 54.00          | 25.98       | 150         | 229       | Horizontal |
| 4   | 7311.00     | 44.98          | -11.50      | 74.00          | 29.02       | 150         | 116       | Horizontal |
| 5   | 7311.00     | 34.16          | -11.50      | 54.00          | 19.84       | 150         | 100       | Horizontal |
| 6   | 17472.4     | 57.46          | -0.02       | 74.00          | 16.54       | 150         | 75        | Horizontal |
| 7   | 17531.9     | 46.99          | 0.76        | 54.00          | 7.01        | 150         | 360       | Horizontal |



#### 4.9.2.2.18 802.11N40\_MIMO\_Highest Channel\_Horizontal



| Suspected List |             |                |             |                |             |             |           |            |
|----------------|-------------|----------------|-------------|----------------|-------------|-------------|-----------|------------|
| NO.            | Freq. [MHz] | Level [dBμV/m] | Factor [dB] | Limit [dBμV/m] | Margin [dB] | Height [cm] | Angle [°] | Polarity   |
| 1              | 2988.49     | 37.75          | 2.32        | 54.00          | 16.25       | 150         | 300       | Horizontal |
| 2              | 4904.00     | 39.68          | -18.98      | 74.00          | 34.32       | 150         | 202       | Horizontal |
| 3              | 4904.00     | 28.53          | -18.98      | 54.00          | 25.47       | 150         | 342       | Horizontal |
| 4              | 7356.00     | 47.06          | -11.03      | 74.00          | 26.94       | 150         | 272       | Horizontal |
| 5              | 7356.00     | 35.14          | -11.03      | 54.00          | 18.86       | 150         | 164       | Horizontal |
| 6              | 17532.9     | 46.95          | 0.77        | 54.00          | 7.05        | 150         | 18        | Horizontal |
| 7              | 17610.9     | 58.92          | 1.34        | 74.00          | 15.08       | 150         | 303       | Horizontal |

#### Remark:

- 1) The field strength is calculated by adding the Antenna Factor, Cable Factor & Preamplifier. The basic equation with a sample calculation is as follows:  
Final Test Level = Receiver Reading + Antenna Factor + Cable Factor – Preamplifier Factor
- 2) Scan from 9kHz to 25GHz, the disturbance between 9KHz to 30MHz and 18GHz to 25GHz was very low, and the above harmonics were the highest point could be found when testing, The amplitude of spurious emissions from the radiator which are attenuated more than 20dB below the limit need not be reported.
- 3) As shown in this section, for frequencies above 1GHz, the field strength limits are based on average limits. However, the peak field strength of any emission shall not exceed the maximum permitted average limits specified above by more than 20 dB under any condition of modulation. So, only the peak measurements were shown in the report.
- 4) All Modes have been tested, but only the worst case data displayed in this report.



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## 4.10 Restricted bands around fundamental frequency

|                   |                                                         |                    |                  |
|-------------------|---------------------------------------------------------|--------------------|------------------|
| Test Requirement: | 47 CFR Part 15C Section 15.209 and 15.205               |                    |                  |
| Test Method:      | ANSI C63.10: 2013 Section 11.12                         |                    |                  |
| Test Site:        | Measurement Distance: 3m or 10m (Semi-Anechoic Chamber) |                    |                  |
| Limit:            | Frequency                                               | Limit (dBuV/m @3m) | Remark           |
|                   | 30MHz-88MHz                                             | 40.0               | Quasi-peak Value |
|                   | 88MHz-216MHz                                            | 43.5               | Quasi-peak Value |
|                   | 216MHz-960MHz                                           | 46.0               | Quasi-peak Value |
|                   | 960MHz-1GHz                                             | 54.0               | Quasi-peak Value |
|                   | Above 1GHz                                              | 54.0               | Average Value    |
|                   |                                                         | 74.0               | Peak Value       |
| Test Setup:       |                                                         |                    |                  |

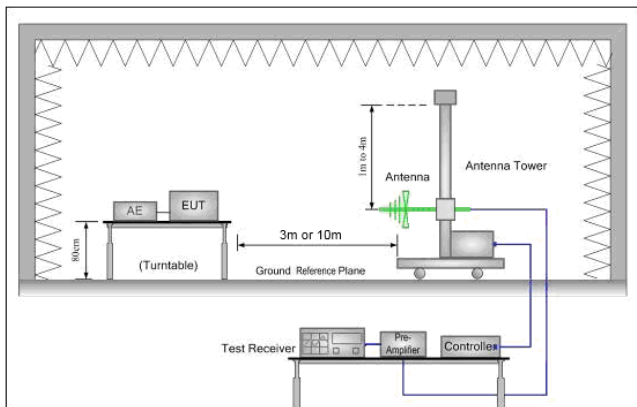


Figure 1. 30MHz to 1GHz

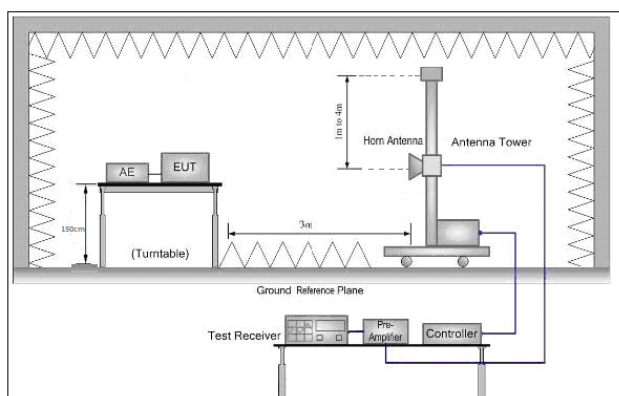


Figure 2. Above 1 GHz



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|                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Test Procedure:        | <ul style="list-style-type: none"> <li>a. For below 1GHz, the EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 or 10 meter semi-anechoic camber. The table was rotated 360 degrees to determine the position of the highest radiation.</li> <li>b. For above 1GHz, the EUT was placed on the top of a rotating table 1.5 meters above the ground at a 3 meter semi-anechoic camber. The table was rotated 360 degrees to determine the position of the highest radiation.</li> <li>c. The EUT was set 3 or 10 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.</li> <li>d. The antenna height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.</li> <li>e. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.</li> <li>f. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.</li> <li>g. Place a marker at the end of the restricted band closest to the transmit frequency to show compliance. Also measure any emissions in the restricted bands. Save the spectrum analyzer plot. Repeat for each power and modulation for lowest and highest channel</li> <li>h. Test the EUT in the lowest channel , the Highest channel</li> <li>i. The radiation measurements are performed in X, Y, Z axis positioning for Transmitting mode, And found the X axis positioning which it is worse case.</li> <li>j. Repeat above procedures until all frequencies measured was complete.</li> </ul> |
| Exploratory Test Mode: | Transmitting with all kind of modulations, data rates.<br>Charge + Transmitting mode.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Final Test Mode:       | <p>Pretest the EUT at Charge +Transmitting mode.</p> <p>Through Pre-scan, find the</p> <p>1Mbps of rate is the worst case of 802.11B;</p> <p>6Mbps of rate is the worst case of 802.11G ;</p> <p>6.5Mbps of rate is the worst case of 802.11N(HT20);</p> <p>13.5Mbps of rate is the worst case of 802.11N(HT40).</p> <p>Only the worst case is recorded in the report.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Instruments Used:      | Refer to section 5.10 for details                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Test Results:          | Pass                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |



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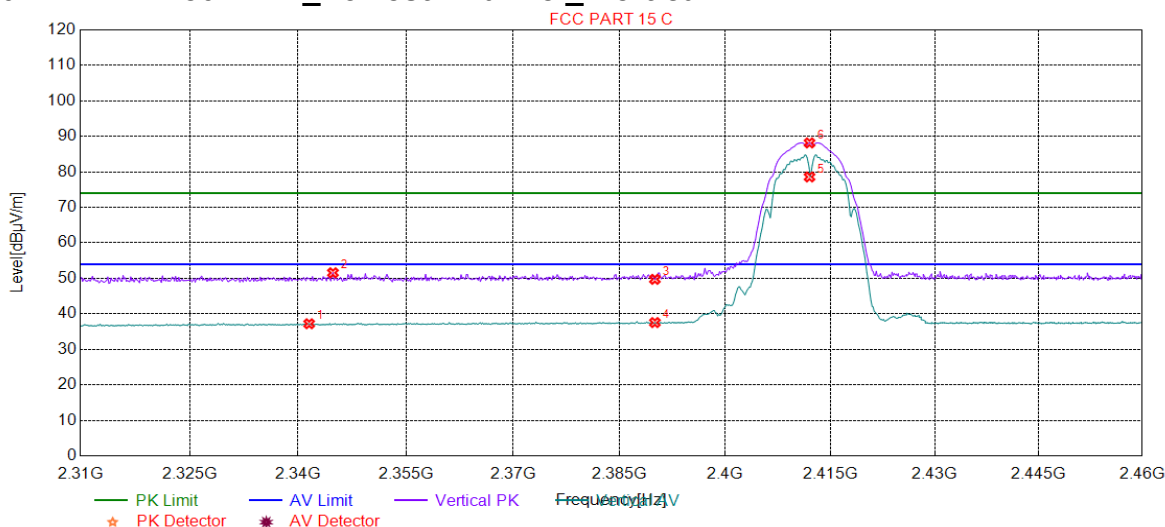
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Test plot as follows:

#### 4.10.1 SISO

##### 4.10.1.1 802.11B\_Lowest Channel\_Vertical



| Suspected List |             |                |             |                |             |             |           |          |
|----------------|-------------|----------------|-------------|----------------|-------------|-------------|-----------|----------|
| NO.            | Freq. [MHz] | Level [dBμV/m] | Factor [dB] | Limit [dBμV/m] | Margin [dB] | Height [cm] | Angle [°] | Polarity |
| 1              | 2341.53     | 37.22          | 1.03        | 54.00          | 16.78       | 150         | 26        | Vertical |
| 2              | 2344.83     | 51.57          | 1.05        | 74.00          | 22.43       | 150         | 40        | Vertical |
| 3              | 2390.00     | 49.73          | 1.25        | 74.00          | 24.27       | 150         | 274       | Vertical |
| 4              | 2390.00     | 37.55          | 1.25        | 54.00          | 16.45       | 150         | 235       | Vertical |
| 5              | 2412.00     | 78.57          | 1.32        | 54.00          | -24.57      | 150         | 151       | Vertical |
| 6              | 2412.00     | 88.15          | 1.32        | 74.00          | -14.15      | 150         | 151       | Vertical |

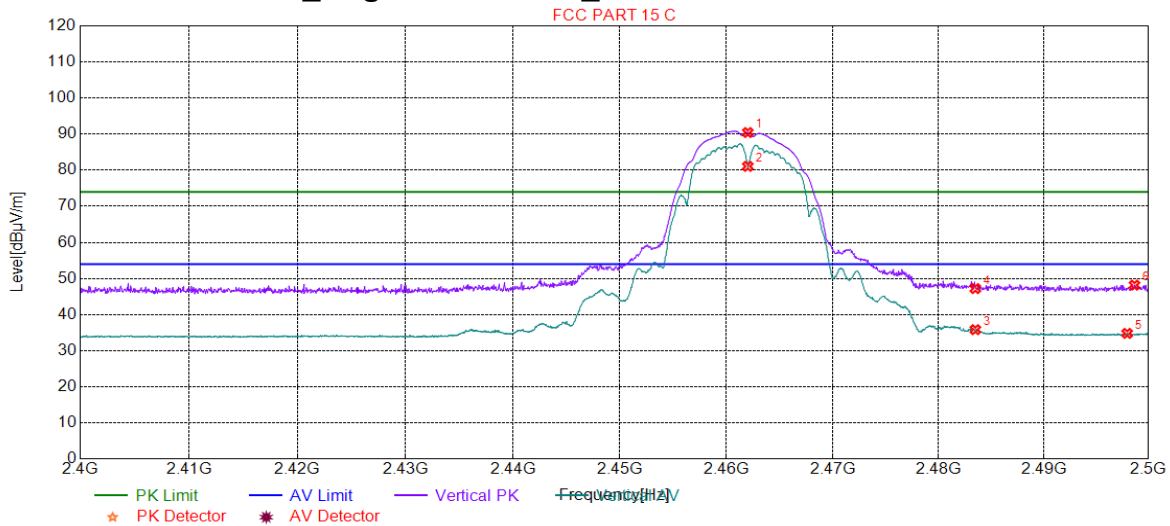


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#### 4.10.1.2 802.11B\_Highest Channel\_Vertical

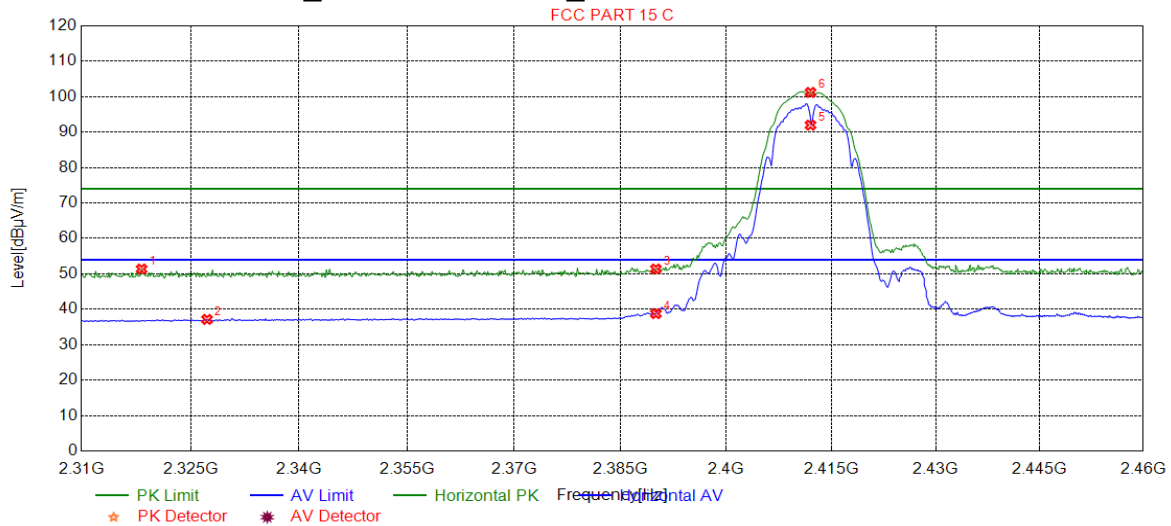


#### Suspected List

| NO. | Freq. [MHz] | Level [dBμV/m] | Factor [dB] | Limit [dBμV/m] | Margin [dB] | Height [cm] | Angle [°] | Polarity |
|-----|-------------|----------------|-------------|----------------|-------------|-------------|-----------|----------|
| 1   | 2462.00     | 90.45          | 1.46        | 74.00          | -16.45      | 150         | 235       | Vertical |
| 2   | 2462.00     | 81.07          | 1.46        | 54.00          | -27.07      | 150         | 349       | Vertical |
| 3   | 2483.50     | 35.82          | 1.52        | 54.00          | 18.18       | 150         | 189       | Vertical |
| 4   | 2483.50     | 47.20          | 1.52        | 74.00          | 26.80       | 150         | 98        | Vertical |
| 5   | 2497.94     | 34.79          | 1.56        | 54.00          | 19.21       | 150         | 308       | Vertical |
| 6   | 2498.64     | 48.17          | 1.57        | 74.00          | 25.83       | 150         | 25        | Vertical |



#### 4.10.1.3 802.11B\_Lowest Channel\_Horizontal



#### Suspected List

| NO. | Freq. [MHz] | Level [dBμV/m] | Factor [dB] | Limit [dBμV/m] | Margin [dB] | Height [cm] | Angle [°] | Polarity   |
|-----|-------------|----------------|-------------|----------------|-------------|-------------|-----------|------------|
| 1   | 2318.25     | 51.37          | 0.93        | 74.00          | 22.63       | 150         | 50        | Horizontal |
| 2   | 2327.26     | 37.15          | 0.97        | 54.00          | 16.85       | 150         | 185       | Horizontal |
| 3   | 2390.00     | 51.38          | 1.25        | 74.00          | 22.62       | 150         | 340       | Horizontal |
| 4   | 2390.00     | 38.78          | 1.25        | 54.00          | 15.22       | 150         | 44        | Horizontal |
| 5   | 2412.00     | 91.98          | 1.32        | 54.00          | -37.98      | 150         | 40        | Horizontal |
| 6   | 2412.00     | 101.21         | 1.32        | 74.00          | -27.21      | 150         | 47        | Horizontal |



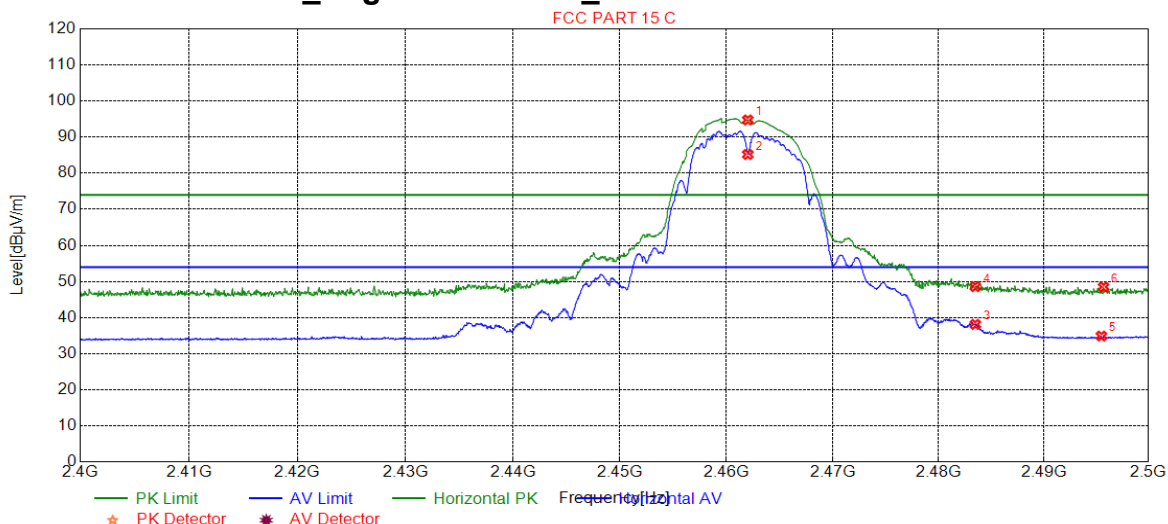
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#### 4.10.1.4 802.11B\_Highest Channel\_Horizontal



#### Suspected List

| NO. | Freq. [MHz] | Level [dBμV/m] | Factor [dB] | Limit [dBμV/m] | Margin [dB] | Height [cm] | Angle [°] | Polarity   |
|-----|-------------|----------------|-------------|----------------|-------------|-------------|-----------|------------|
| 1   | 2462.00     | 94.75          | 1.46        | 74.00          | -20.75      | 150         | 189       | Horizontal |
| 2   | 2462.00     | 85.20          | 1.46        | 54.00          | -31.20      | 150         | 151       | Horizontal |
| 3   | 2483.50     | 38.12          | 1.52        | 54.00          | 15.88       | 150         | 192       | Horizontal |
| 4   | 2483.50     | 48.59          | 1.52        | 74.00          | 25.41       | 150         | 144       | Horizontal |
| 5   | 2495.49     | 34.88          | 1.56        | 54.00          | 19.12       | 150         | 294       | Horizontal |
| 6   | 2495.69     | 48.49          | 1.56        | 74.00          | 25.51       | 150         | 222       | Horizontal |



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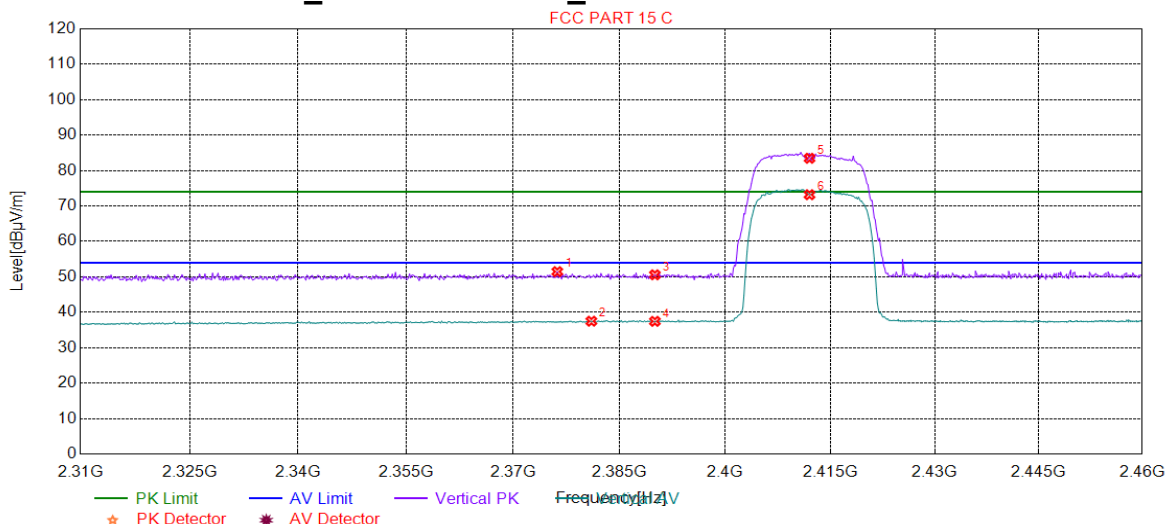
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#### 4.10.1.5 802.11G\_Lowest Channel\_Vertical

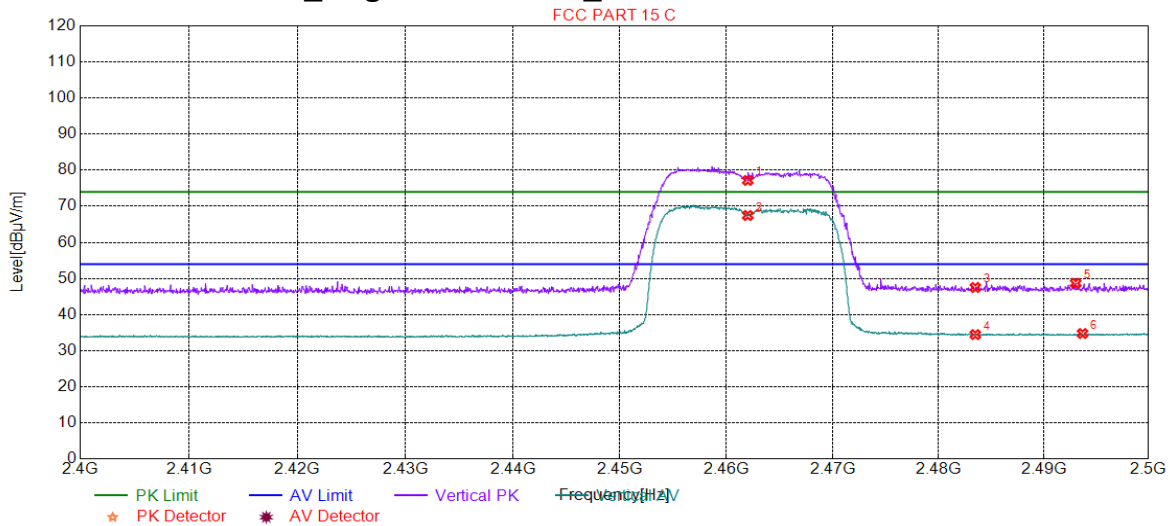


#### Suspected List

| NO. | Freq. [MHz] | Level [dBμV/m] | Factor [dB] | Limit [dBμV/m] | Margin [dB] | Height [cm] | Angle [°] | Polarity |
|-----|-------------|----------------|-------------|----------------|-------------|-------------|-----------|----------|
| 1   | 2376.21     | 51.48          | 1.19        | 74.00          | 22.52       | 150         | 353       | Vertical |
| 2   | 2381.02     | 37.49          | 1.21        | 54.00          | 16.51       | 150         | 92        | Vertical |
| 3   | 2390.00     | 50.58          | 1.25        | 74.00          | 23.42       | 150         | 234       | Vertical |
| 4   | 2390.00     | 37.45          | 1.25        | 54.00          | 16.55       | 150         | 258       | Vertical |
| 5   | 2412.00     | 83.47          | 1.32        | 74.00          | -9.47       | 150         | 170       | Vertical |
| 6   | 2412.00     | 73.19          | 1.32        | 54.00          | -19.19      | 150         | 167       | Vertical |



#### 4.10.1.6 802.11G\_Highest Channel\_Vertical

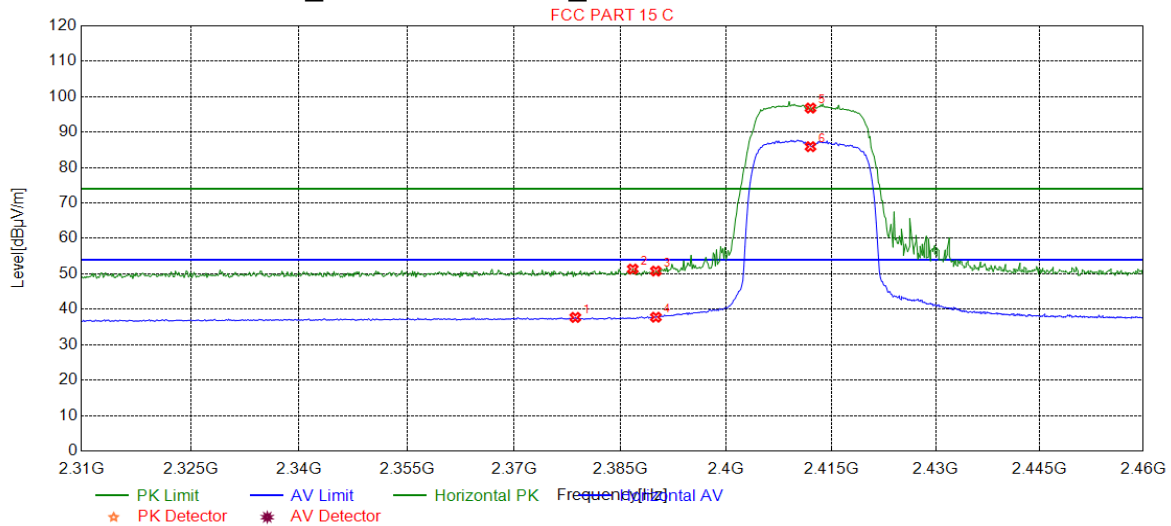


#### Suspected List

| NO. | Freq. [MHz] | Level [dBμV/m] | Factor [dB] | Limit [dBμV/m] | Margin [dB] | Height [cm] | Angle [°] | Polarity |
|-----|-------------|----------------|-------------|----------------|-------------|-------------|-----------|----------|
| 1   | 2462.00     | 77.17          | 1.46        | 74.00          | -3.17       | 150         | 77        | Vertical |
| 2   | 2462.00     | 67.46          | 1.46        | 54.00          | -13.46      | 150         | 73        | Vertical |
| 3   | 2483.50     | 47.52          | 1.52        | 74.00          | 26.48       | 150         | 360       | Vertical |
| 4   | 2483.50     | 34.46          | 1.52        | 54.00          | 19.54       | 150         | 291       | Vertical |
| 5   | 2493.04     | 48.68          | 1.55        | 74.00          | 25.32       | 150         | 186       | Vertical |
| 6   | 2493.69     | 34.76          | 1.55        | 54.00          | 19.24       | 150         | 77        | Vertical |



#### 4.10.1.7 802.11G\_Lowest Channel\_Horizontal



#### Suspected List

| NO. | Freq. [MHz] | Level [dBμV/m] | Factor [dB] | Limit [dBμV/m] | Margin [dB] | Height [cm] | Angle [°] | Polarity   |
|-----|-------------|----------------|-------------|----------------|-------------|-------------|-----------|------------|
| 1   | 2378.61     | 37.71          | 1.20        | 54.00          | 16.29       | 150         | 268       | Horizontal |
| 2   | 2386.72     | 51.36          | 1.23        | 74.00          | 22.64       | 150         | 346       | Horizontal |
| 3   | 2390.00     | 50.79          | 1.25        | 74.00          | 23.21       | 150         | 95        | Horizontal |
| 4   | 2390.00     | 37.77          | 1.25        | 54.00          | 16.23       | 150         | 101       | Horizontal |
| 5   | 2412.00     | 96.78          | 1.32        | 74.00          | -22.78      | 150         | 72        | Horizontal |
| 6   | 2412.00     | 85.90          | 1.32        | 54.00          | -31.90      | 150         | 51        | Horizontal |



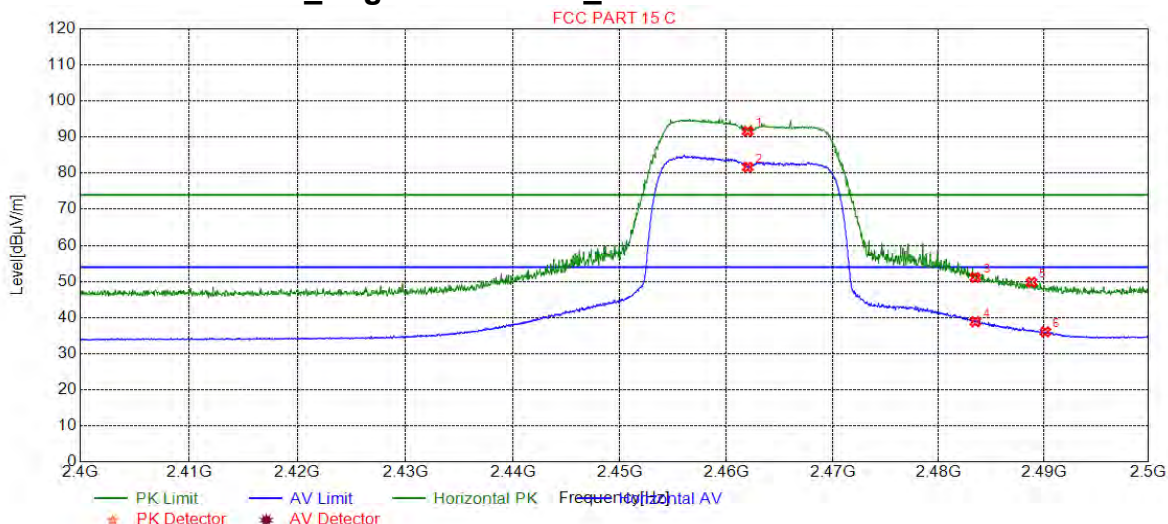
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#### 4.10.1.8 802.11G\_Highest Channel\_Horizontal



| Suspected List |             |                |             |                |             |             |           |            |
|----------------|-------------|----------------|-------------|----------------|-------------|-------------|-----------|------------|
| NO.            | Freq. [MHz] | Level [dBμV/m] | Factor [dB] | Limit [dBμV/m] | Margin [dB] | Height [cm] | Angle [°] | Polarity   |
| 1              | 2462.00     | 91.61          | 1.46        | 74.00          | -17.61      | 150         | 61        | Horizontal |
| 2              | 2462.00     | 81.69          | 1.46        | 54.00          | -27.69      | 150         | 57        | Horizontal |
| 3              | 2483.50     | 51.10          | 1.52        | 74.00          | 22.90       | 150         | 76        | Horizontal |
| 4              | 2483.50     | 38.86          | 1.52        | 54.00          | 15.14       | 150         | 65        | Horizontal |
| 5              | 2488.84     | 49.79          | 1.54        | 74.00          | 24.21       | 150         | 42        | Horizontal |
| 6              | 2490.14     | 36.05          | 1.54        | 54.00          | 17.95       | 150         | 61        | Horizontal |



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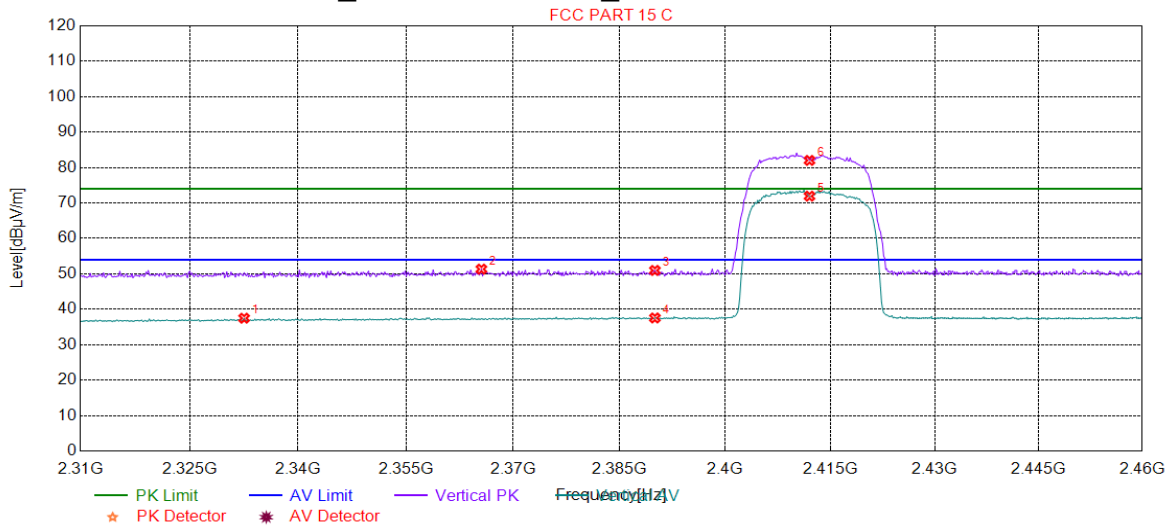
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#### 4.10.1.9 802.11N20\_Lowest Channel\_Vertical

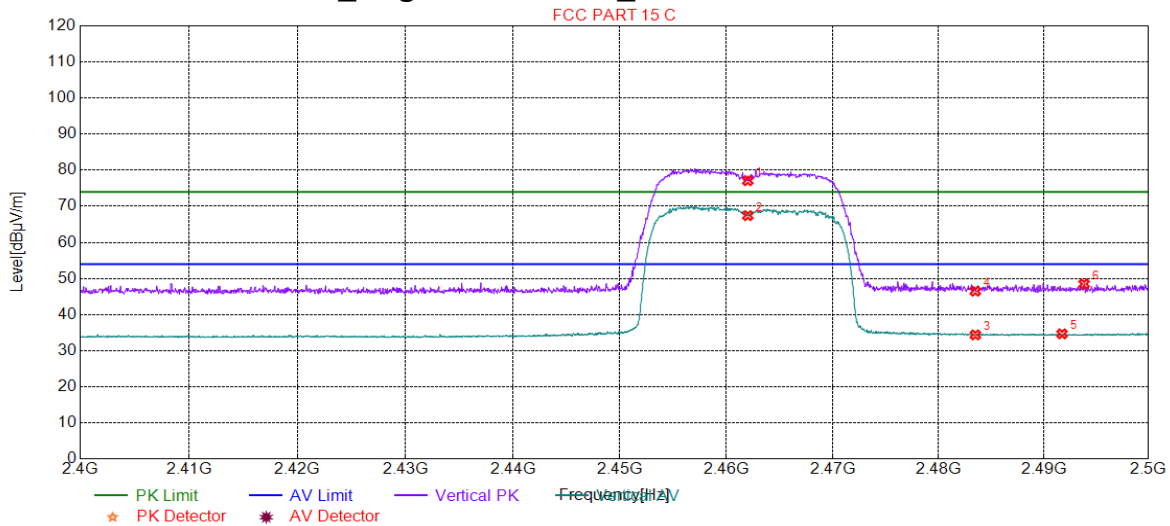


#### Suspected List

| NO. | Freq. [MHz] | Level [dBμV/m] | Factor [dB] | Limit [dBμV/m] | Margin [dB] | Height [cm] | Angle [°] | Polarity |
|-----|-------------|----------------|-------------|----------------|-------------|-------------|-----------|----------|
| 1   | 2332.52     | 37.49          | 0.99        | 54.00          | 16.51       | 150         | 114       | Vertical |
| 2   | 2365.55     | 51.33          | 1.14        | 74.00          | 22.67       | 150         | 213       | Vertical |
| 3   | 2390.00     | 50.97          | 1.25        | 74.00          | 23.03       | 150         | 51        | Vertical |
| 4   | 2390.00     | 37.55          | 1.25        | 54.00          | 16.45       | 150         | 324       | Vertical |
| 5   | 2412.00     | 71.93          | 1.32        | 54.00          | -17.93      | 150         | 166       | Vertical |
| 6   | 2412.00     | 82.02          | 1.32        | 74.00          | -8.02       | 150         | 118       | Vertical |



#### 4.10.1.10 802.11N20\_Highest Channel\_Vertical



#### Suspected List

| NO. | Freq. [MHz] | Level [dBμV/m] | Factor [dB] | Limit [dBμV/m] | Margin [dB] | Height [cm] | Angle [°] | Polarity |
|-----|-------------|----------------|-------------|----------------|-------------|-------------|-----------|----------|
| 1   | 2462.00     | 77.09          | 1.46        | 74.00          | -3.09       | 150         | 175       | Vertical |
| 2   | 2462.00     | 67.42          | 1.46        | 54.00          | -13.42      | 150         | 175       | Vertical |
| 3   | 2483.50     | 34.37          | 1.52        | 54.00          | 19.63       | 150         | 175       | Vertical |
| 4   | 2483.50     | 46.48          | 1.52        | 74.00          | 27.52       | 150         | 295       | Vertical |
| 5   | 2491.74     | 34.66          | 1.55        | 54.00          | 19.34       | 150         | 178       | Vertical |
| 6   | 2493.84     | 48.47          | 1.55        | 74.00          | 25.53       | 150         | 280       | Vertical |



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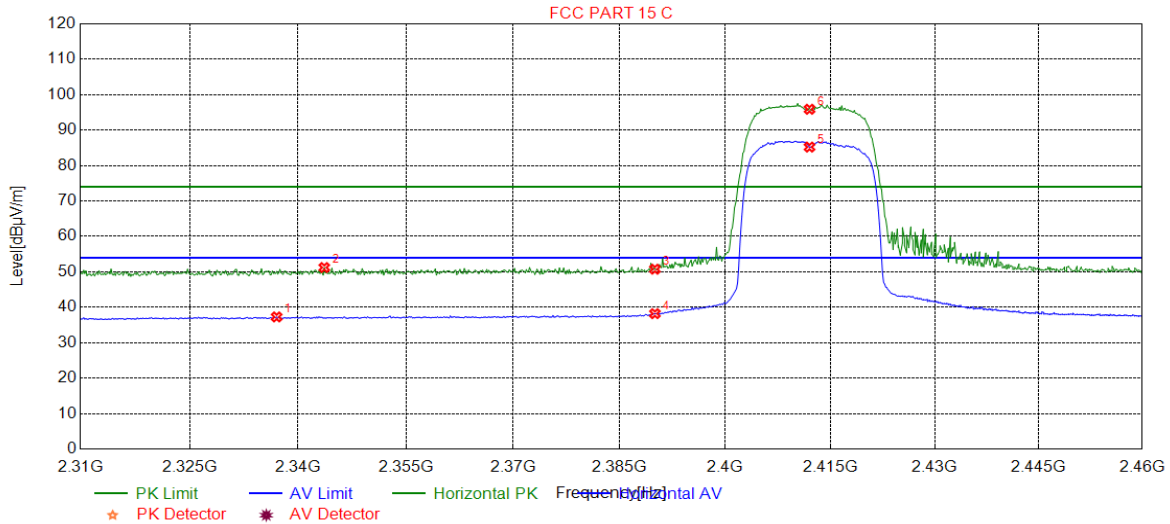
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4.10.1.11 802.11N20\_Lowest Channel\_Horizontal

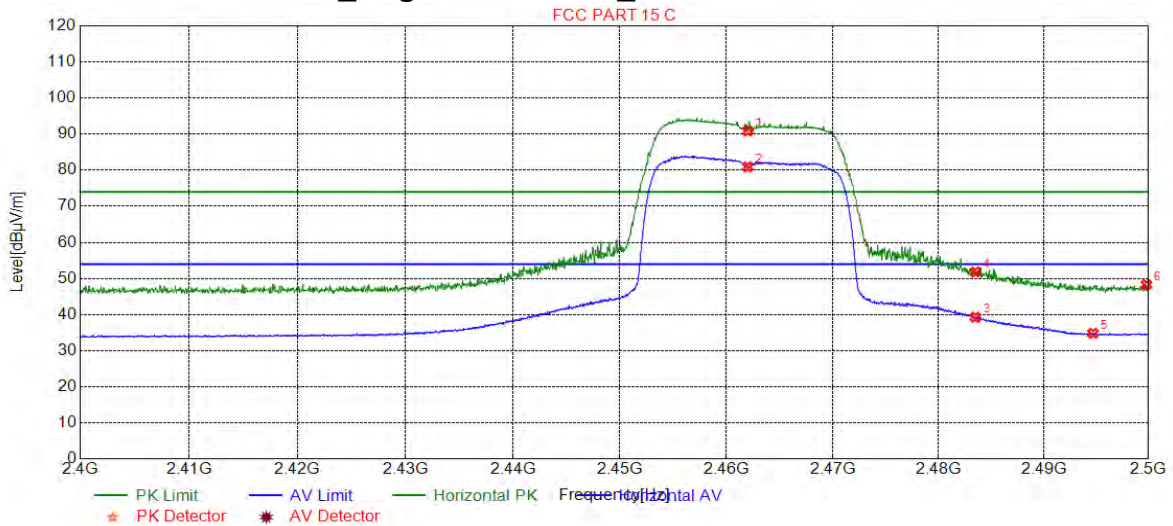


Suspected List

| NO. | Freq. [MHz] | Level [dBμV/m] | Factor [dB] | Limit [dBμV/m] | Margin [dB] | Height [cm] | Angle [°] | Polarity   |
|-----|-------------|----------------|-------------|----------------|-------------|-------------|-----------|------------|
| 1   | 2337.02     | 37.28          | 1.01        | 54.00          | 16.72       | 150         | 191       | Horizontal |
| 2   | 2343.63     | 51.22          | 1.04        | 74.00          | 22.78       | 150         | 84        | Horizontal |
| 3   | 2390.00     | 50.75          | 1.25        | 74.00          | 23.25       | 150         | 340       | Horizontal |
| 4   | 2390.00     | 38.21          | 1.25        | 54.00          | 15.79       | 150         | 48        | Horizontal |
| 5   | 2412.00     | 85.22          | 1.32        | 54.00          | -31.22      | 150         | 48        | Horizontal |
| 6   | 2412.00     | 95.89          | 1.32        | 74.00          | -21.89      | 150         | 54        | Horizontal |



#### 4.10.1.12 802.11N20\_Highest Channel\_Horizontal



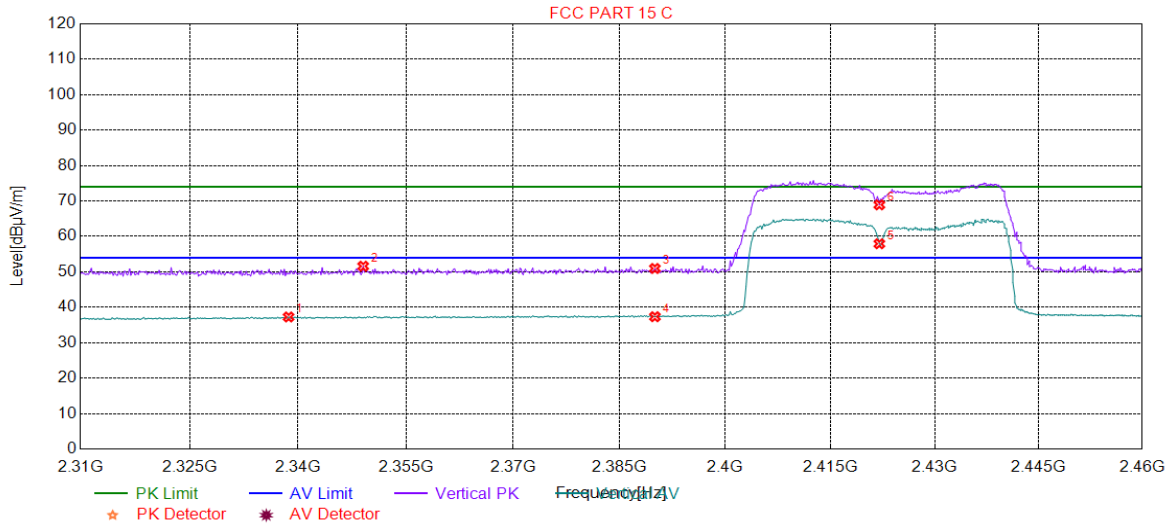
#### Suspected List

| NO. | Freq. [MHz] | Level [dBμV/m] | Factor [dB] | Limit [dBμV/m] | Margin [dB] | Height [cm] | Angle [°] | Polarity   |
|-----|-------------|----------------|-------------|----------------|-------------|-------------|-----------|------------|
| 1   | 2462.00     | 90.84          | 1.46        | 74.00          | -16.84      | 150         | 45        | Horizontal |
| 2   | 2462.00     | 80.91          | 1.46        | 54.00          | -26.91      | 150         | 52        | Horizontal |
| 3   | 2483.50     | 39.25          | 1.52        | 54.00          | 14.75       | 150         | 60        | Horizontal |
| 4   | 2483.50     | 51.80          | 1.52        | 74.00          | 22.20       | 150         | 60        | Horizontal |
| 5   | 2494.69     | 34.80          | 1.56        | 54.00          | 19.20       | 150         | 75        | Horizontal |
| 6   | 2499.79     | 48.28          | 1.57        | 74.00          | 25.72       | 150         | 158       | Horizontal |





4.10.1.13 802.11N40\_Lowest Channel\_Vertical



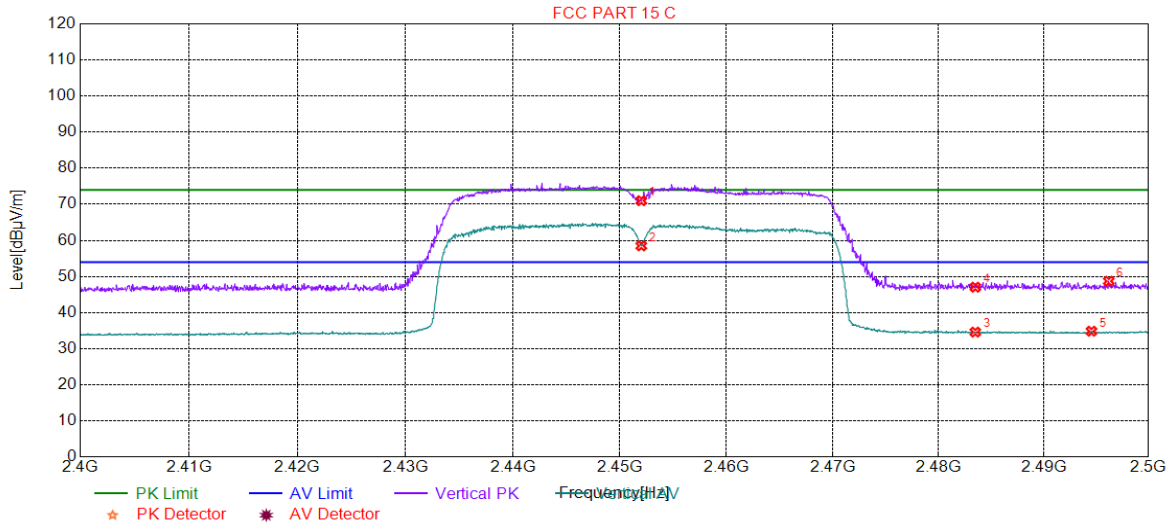
Suspected List

| NO. | Freq. [MHz] | Level [dBμV/m] | Factor [dB] | Limit [dBμV/m] | Margin [dB] | Height [cm] | Angle [°] | Polarity |
|-----|-------------|----------------|-------------|----------------|-------------|-------------|-----------|----------|
| 1   | 2338.67     | 37.27          | 1.02        | 54.00          | 16.73       | 150         | 176       | Vertical |
| 2   | 2349.03     | 51.59          | 1.07        | 74.00          | 22.41       | 150         | 14        | Vertical |
| 3   | 2390.00     | 50.96          | 1.25        | 74.00          | 23.04       | 150         | 29        | Vertical |
| 4   | 2390.00     | 37.34          | 1.25        | 54.00          | 16.66       | 150         | 152       | Vertical |
| 5   | 2422.00     | 57.93          | 1.35        | 54.00          | -3.93       | 150         | 146       | Vertical |
| 6   | 2422.00     | 68.92          | 1.35        | 74.00          | 5.08        | 150         | 146       | Vertical |





4.10.1.14 802.11N40\_Highest Channel\_Vertical



Suspected List

| NO. | Freq. [MHz] | Level [dBμV/m] | Factor [dB] | Limit [dBμV/m] | Margin [dB] | Height [cm] | Angle [°] | Polarity |
|-----|-------------|----------------|-------------|----------------|-------------|-------------|-----------|----------|
| 1   | 2452.00     | 71.01          | 1.44        | 74.00          | 2.99        | 150         | 153       | Vertical |
| 2   | 2452.00     | 58.49          | 1.44        | 54.00          | -4.49       | 150         | 153       | Vertical |
| 3   | 2483.50     | 34.59          | 1.52        | 54.00          | 19.41       | 150         | 145       | Vertical |
| 4   | 2483.50     | 47.04          | 1.52        | 74.00          | 26.96       | 150         | 119       | Vertical |
| 5   | 2494.54     | 34.84          | 1.55        | 54.00          | 19.16       | 150         | 194       | Vertical |
| 6   | 2496.19     | 48.71          | 1.56        | 74.00          | 25.29       | 150         | 333       | Vertical |



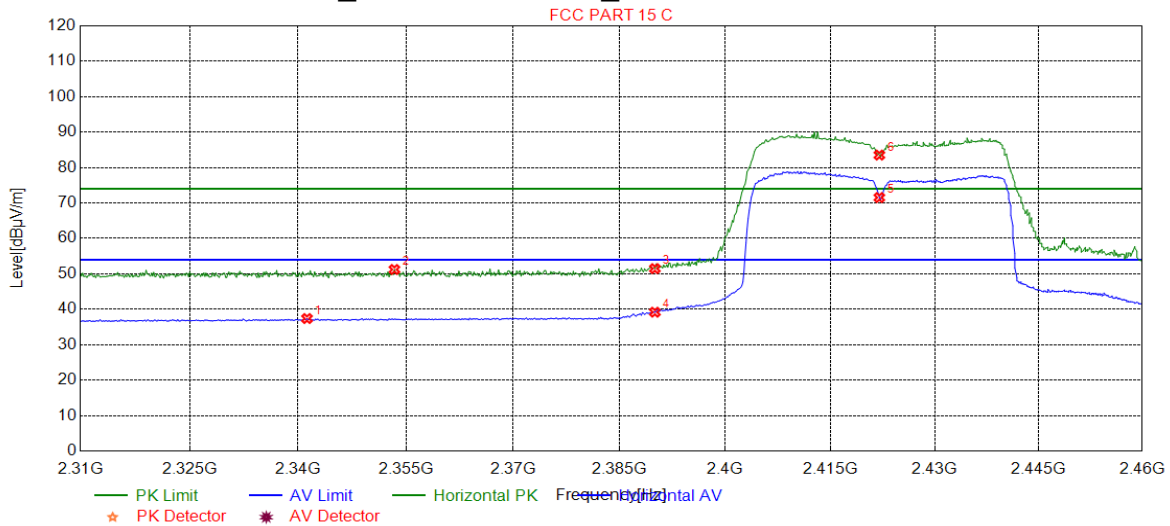
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## 4.10.1.15 802.11N40\_Lowest Channel\_Horizontal



## Suspected List

| NO. | Freq.<br>[MHz] | Level<br>[dBμV/m] | Factor<br>[dB] | Limit<br>[dBμV/m] | Margin<br>[dB] | Height<br>[cm] | Angle<br>[°] | Polarity   |
|-----|----------------|-------------------|----------------|-------------------|----------------|----------------|--------------|------------|
| 1   | 2341.23        | 37.39             | 1.03           | 54.00             | 16.61          | 150            | 334          | Horizontal |
| 2   | 2353.39        | 51.23             | 1.08           | 74.00             | 22.77          | 150            | 264          | Horizontal |
| 3   | 2390.00        | 51.48             | 1.25           | 74.00             | 22.52          | 150            | 78           | Horizontal |
| 4   | 2390.00        | 39.18             | 1.25           | 54.00             | 14.82          | 150            | 38           | Horizontal |
| 5   | 2422.00        | 71.53             | 1.35           | 54.00             | -17.53         | 150            | 50           | Horizontal |
| 6   | 2422.00        | 83.53             | 1.35           | 74.00             | -9.53          | 150            | 59           | Horizontal |



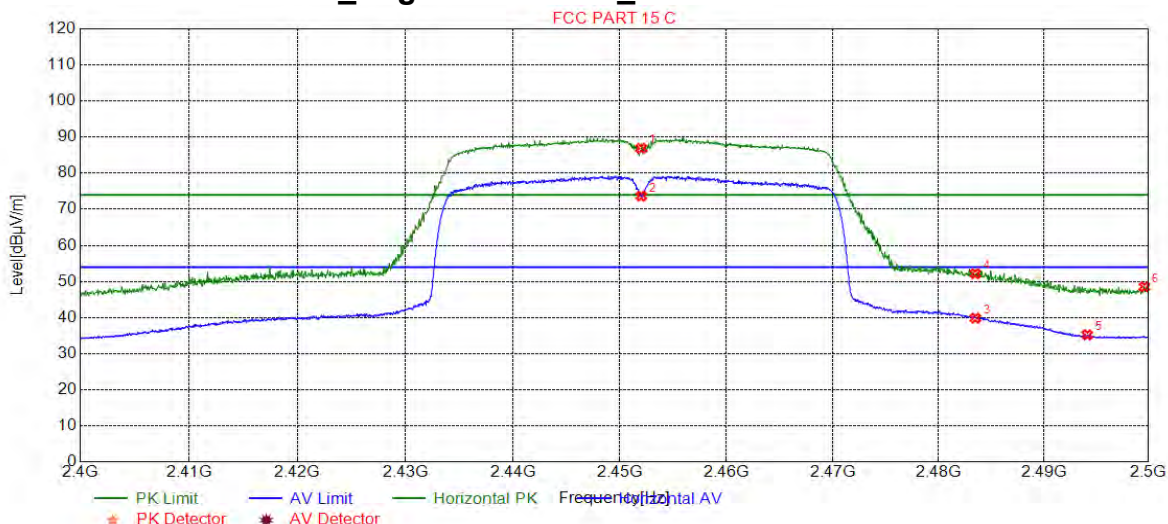
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#### 4.10.1.16 802.11N40\_Highest Channel\_Horizontal



#### Suspected List

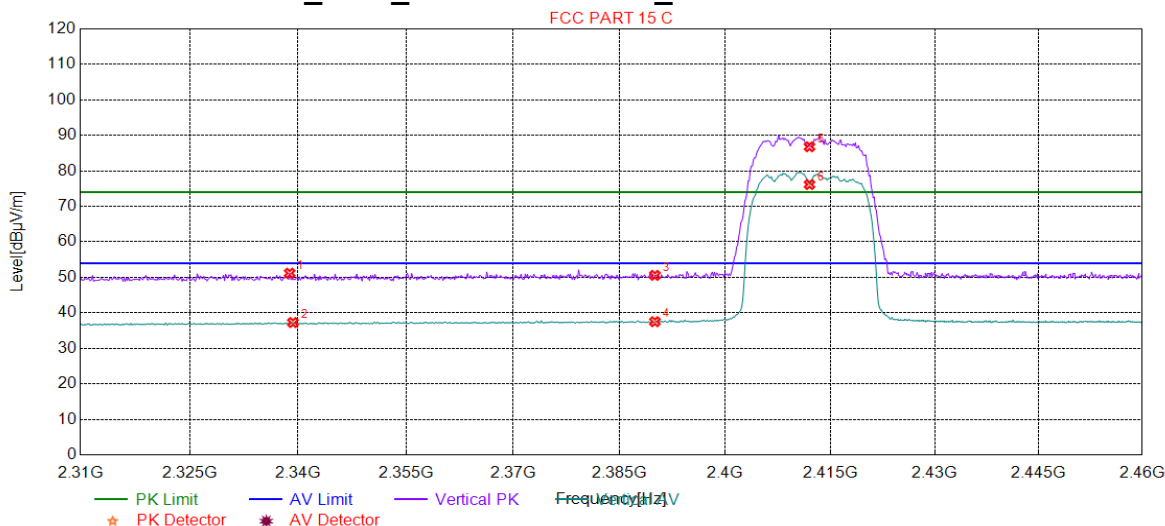
| NO. | Freq. [MHz] | Level [dBμV/m] | Factor [dB] | Limit [dBμV/m] | Margin [dB] | Height [cm] | Angle [°] | Polarity   |
|-----|-------------|----------------|-------------|----------------|-------------|-------------|-----------|------------|
| 1   | 2452.00     | 86.88          | 1.44        | 74.00          | -12.88      | 150         | 51        | Horizontal |
| 2   | 2452.00     | 73.66          | 1.44        | 54.00          | -19.66      | 150         | 51        | Horizontal |
| 3   | 2483.50     | 39.85          | 1.52        | 54.00          | 14.15       | 150         | 51        | Horizontal |
| 4   | 2483.50     | 52.18          | 1.52        | 74.00          | 21.82       | 150         | 58        | Horizontal |
| 5   | 2494.14     | 35.22          | 1.55        | 54.00          | 18.78       | 150         | 65        | Horizontal |
| 6   | 2499.59     | 48.54          | 1.57        | 74.00          | 25.46       | 150         | 324       | Horizontal |





#### 4.10.1 CDD & MIMO

##### 4.10.1.1 802.11G\_CDD\_Lowest Channel\_Vertical

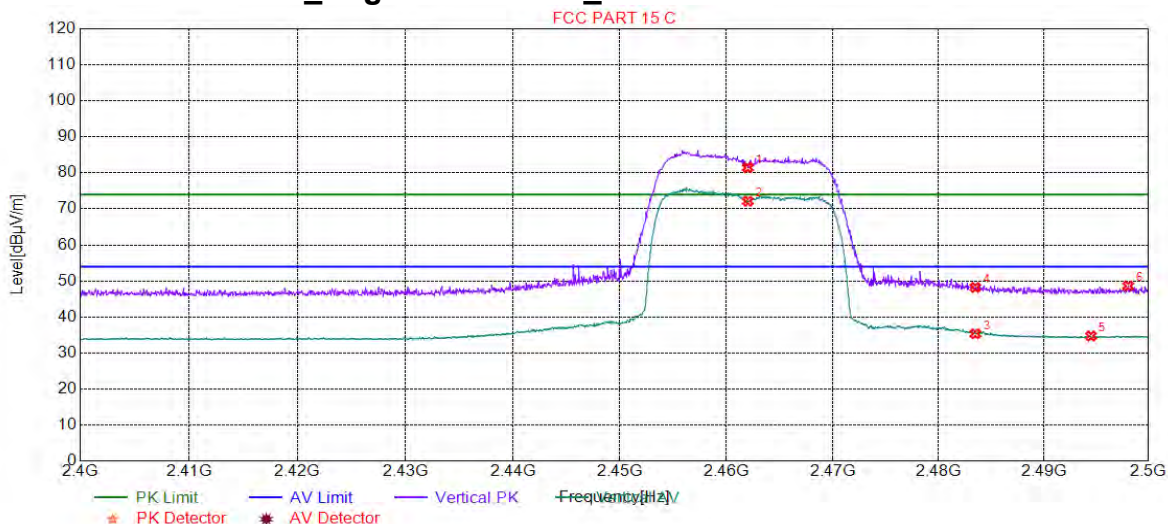


#### Suspected List

| NO. | Freq. [MHz] | Level [dBμV/m] | Factor [dB] | Limit [dBμV/m] | Margin [dB] | Height [cm] | Angle [°] | Polarity |
|-----|-------------|----------------|-------------|----------------|-------------|-------------|-----------|----------|
| 1   | 2338.82     | 51.17          | 1.02        | 74.00          | 22.83       | 150         | 175       | Vertical |
| 2   | 2339.27     | 37.28          | 1.02        | 54.00          | 16.72       | 150         | 283       | Vertical |
| 3   | 2390.00     | 50.57          | 1.25        | 74.00          | 23.43       | 150         | 17        | Vertical |
| 4   | 2390.00     | 37.52          | 1.25        | 54.00          | 16.48       | 150         | 235       | Vertical |
| 5   | 2412.00     | 86.79          | 1.32        | 74.00          | -12.79      | 150         | 14        | Vertical |
| 6   | 2412.00     | 76.15          | 1.32        | 54.00          | -22.15      | 150         | 169       | Vertical |



#### 4.10.1.2 802.11G\_Highest Channel\_Vertical



#### Suspected List

| NO. | Freq. [MHz] | Level [dBμV/m] | Factor [dB] | Limit [dBμV/m] | Margin [dB] | Height [cm] | Angle [°] | Polarity |
|-----|-------------|----------------|-------------|----------------|-------------|-------------|-----------|----------|
| 1   | 2462.00     | 81.45          | 1.46        | 74.00          | -7.45       | 150         | 74        | Vertical |
| 2   | 2462.00     | 72.14          | 1.46        | 54.00          | -18.14      | 150         | 74        | Vertical |
| 3   | 2483.50     | 35.34          | 1.52        | 54.00          | 18.66       | 150         | 17        | Vertical |
| 4   | 2483.50     | 48.20          | 1.52        | 74.00          | 25.80       | 150         | 41        | Vertical |
| 5   | 2494.49     | 34.73          | 1.55        | 54.00          | 19.27       | 150         | 279       | Vertical |
| 6   | 2498.04     | 48.61          | 1.56        | 74.00          | 25.39       | 150         | 67        | Vertical |

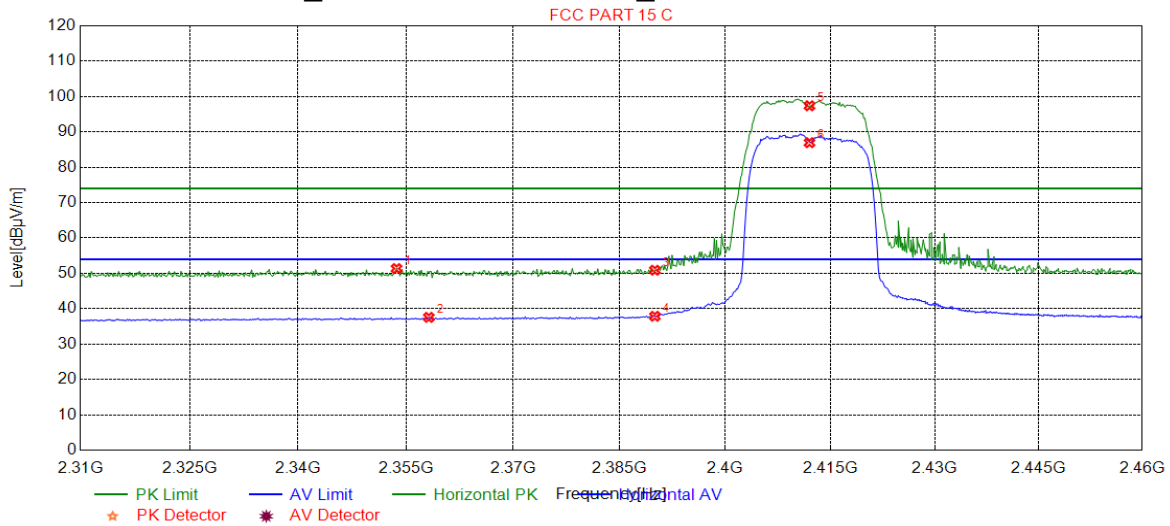


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#### 4.10.1.3 802.11G\_CDDLowest Channel\_Horizontal

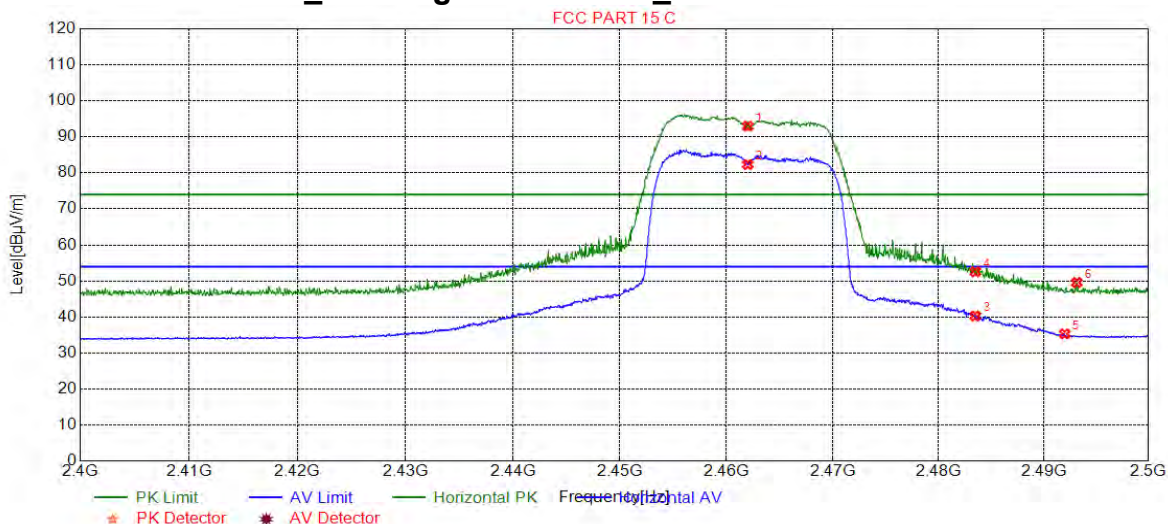


#### Suspected List

| NO. | Freq. [MHz] | Level [dBμV/m] | Factor [dB] | Limit [dBμV/m] | Margin [dB] | Height [cm] | Angle [°] | Polarity   |
|-----|-------------|----------------|-------------|----------------|-------------|-------------|-----------|------------|
| 1   | 2353.69     | 51.35          | 1.09        | 74.00          | 22.65       | 150         | 193       | Horizontal |
| 2   | 2358.19     | 37.56          | 1.11        | 54.00          | 16.44       | 150         | 236       | Horizontal |
| 3   | 2390.00     | 50.88          | 1.25        | 74.00          | 23.12       | 150         | 55        | Horizontal |
| 4   | 2390.00     | 37.87          | 1.25        | 54.00          | 16.13       | 150         | 200       | Horizontal |
| 5   | 2412.00     | 97.38          | 1.32        | 74.00          | -23.38      | 150         | 76        | Horizontal |
| 6   | 2412.00     | 86.95          | 1.32        | 54.00          | -32.95      | 150         | 58        | Horizontal |



#### 4.10.1.4 802.11G\_CDD Highest Channel\_Horizontal



#### Suspected List

| NO. | Freq. [MHz] | Level [dBμV/m] | Factor [dB] | Limit [dBμV/m] | Margin [dB] | Height [cm] | Angle [°] | Polarity   |
|-----|-------------|----------------|-------------|----------------|-------------|-------------|-----------|------------|
| 1   | 2462.00     | 92.95          | 1.46        | 74.00          | -18.95      | 150         | 61        | Horizontal |
| 2   | 2462.00     | 82.33          | 1.46        | 54.00          | -28.33      | 150         | 65        | Horizontal |
| 3   | 2483.50     | 40.28          | 1.52        | 54.00          | 13.72       | 150         | 102       | Horizontal |
| 4   | 2483.50     | 52.53          | 1.52        | 74.00          | 21.47       | 150         | 65        | Horizontal |
| 5   | 2491.99     | 35.32          | 1.55        | 54.00          | 18.68       | 150         | 61        | Horizontal |
| 6   | 2493.14     | 49.57          | 1.55        | 74.00          | 24.43       | 150         | 31        | Horizontal |



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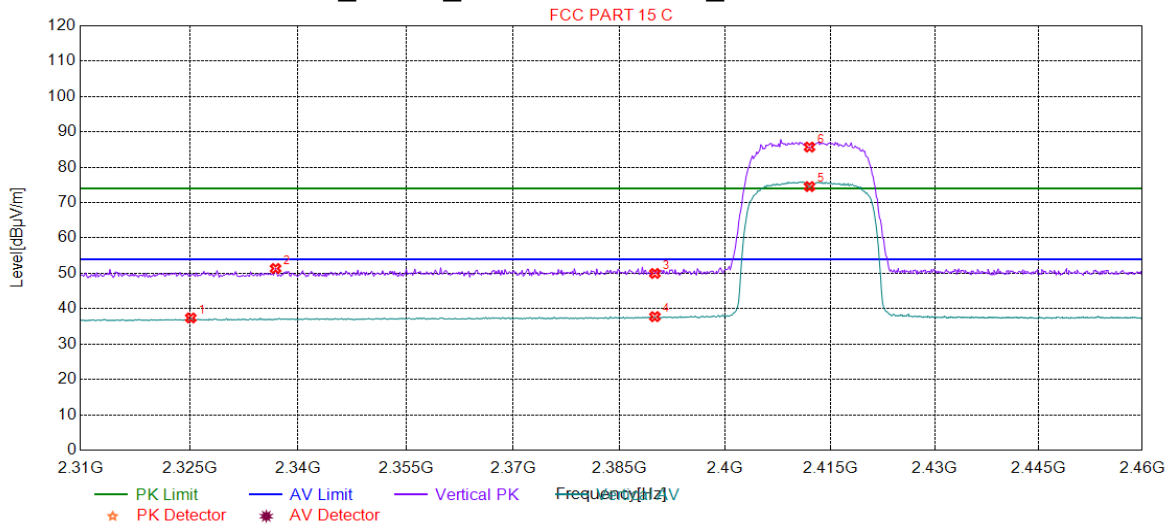
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#### 4.10.1.5 802.11N20\_MIMO\_Lowest Channel\_Vertical



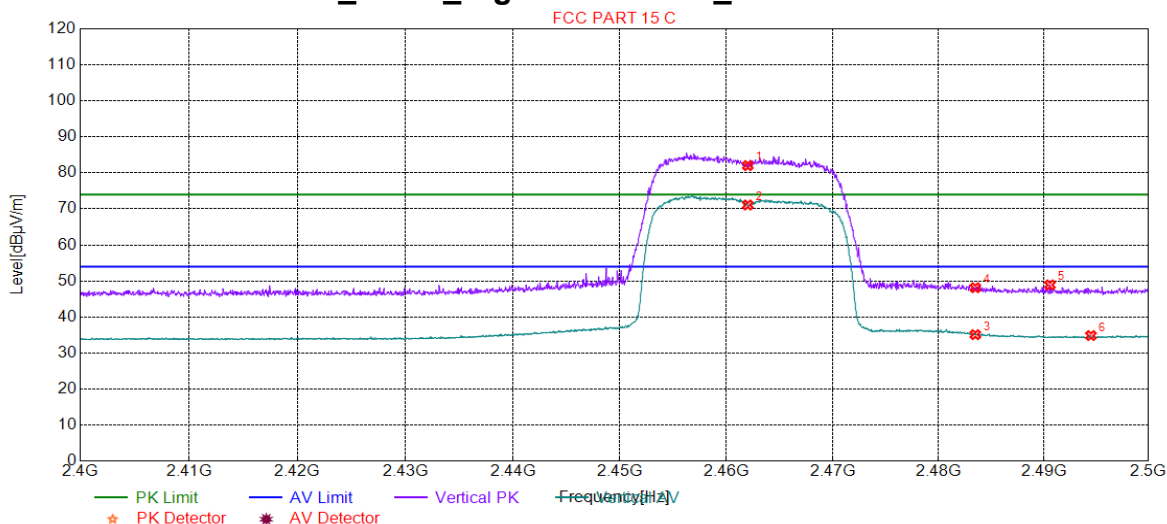
#### Suspected List

| NO. | Freq. [MHz] | Level [dBμV/m] | Factor [dB] | Limit [dBμV/m] | Margin [dB] | Height [cm] | Angle [°] | Polarity |
|-----|-------------|----------------|-------------|----------------|-------------|-------------|-----------|----------|
| 1   | 2325.16     | 37.40          | 0.96        | 54.00          | 16.60       | 150         | 52        | Vertical |
| 2   | 2336.87     | 51.37          | 1.01        | 74.00          | 22.63       | 150         | 334       | Vertical |
| 3   | 2390.00     | 49.98          | 1.25        | 74.00          | 24.02       | 150         | 196       | Vertical |
| 4   | 2390.00     | 37.76          | 1.25        | 54.00          | 16.24       | 150         | 115       | Vertical |
| 5   | 2412.00     | 74.54          | 1.32        | 54.00          | -20.54      | 150         | 115       | Vertical |
| 6   | 2412.00     | 85.71          | 1.32        | 74.00          | -11.71      | 150         | 26        | Vertical |





4.10.1.6 802.11N20\_MIMO\_Highest Channel\_Vertical



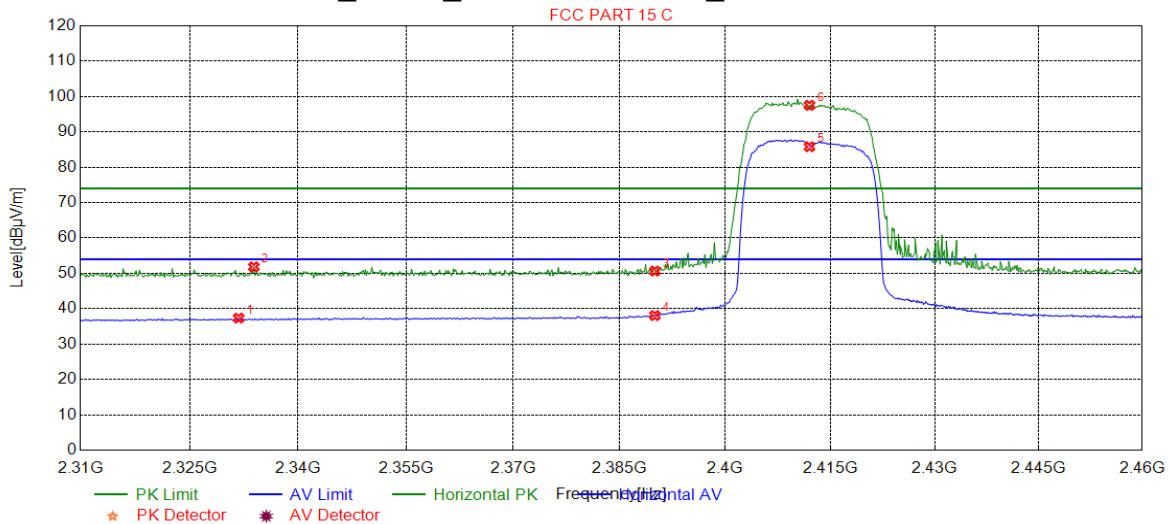
Suspected List

| NO. | Freq. [MHz] | Level [dBμV/m] | Factor [dB] | Limit [dBμV/m] | Margin [dB] | Height [cm] | Angle [°] | Polarity |
|-----|-------------|----------------|-------------|----------------|-------------|-------------|-----------|----------|
| 1   | 2462.00     | 82.02          | 1.46        | 74.00          | -8.02       | 150         | 118       | Vertical |
| 2   | 2462.00     | 71.09          | 1.46        | 54.00          | -17.09      | 150         | 122       | Vertical |
| 3   | 2483.50     | 35.10          | 1.52        | 54.00          | 18.90       | 150         | 130       | Vertical |
| 4   | 2483.50     | 48.13          | 1.52        | 74.00          | 25.87       | 150         | 360       | Vertical |
| 5   | 2490.59     | 48.90          | 1.54        | 74.00          | 25.10       | 150         | 118       | Vertical |
| 6   | 2494.49     | 34.84          | 1.55        | 54.00          | 19.16       | 150         | 197       | Vertical |





4.10.1.7 802.11N20\_MIMO\_Lowest Channel\_Horizontal



Suspected List

| NO. | Freq. [MHz] | Level [dBμV/m] | Factor [dB] | Limit [dBμV/m] | Margin [dB] | Height [cm] | Angle [°] | Polarity   |
|-----|-------------|----------------|-------------|----------------|-------------|-------------|-----------|------------|
| 1   | 2331.77     | 37.34          | 0.99        | 54.00          | 16.66       | 150         | 187       | Horizontal |
| 2   | 2333.87     | 51.83          | 1.00        | 74.00          | 22.17       | 150         | 92        | Horizontal |
| 3   | 2390.00     | 50.65          | 1.25        | 74.00          | 23.35       | 150         | 338       | Horizontal |
| 4   | 2390.00     | 38.07          | 1.25        | 54.00          | 15.93       | 150         | 169       | Horizontal |
| 5   | 2412.00     | 85.81          | 1.32        | 54.00          | -31.81      | 150         | 50        | Horizontal |
| 6   | 2412.00     | 97.52          | 1.32        | 74.00          | -23.52      | 150         | 50        | Horizontal |



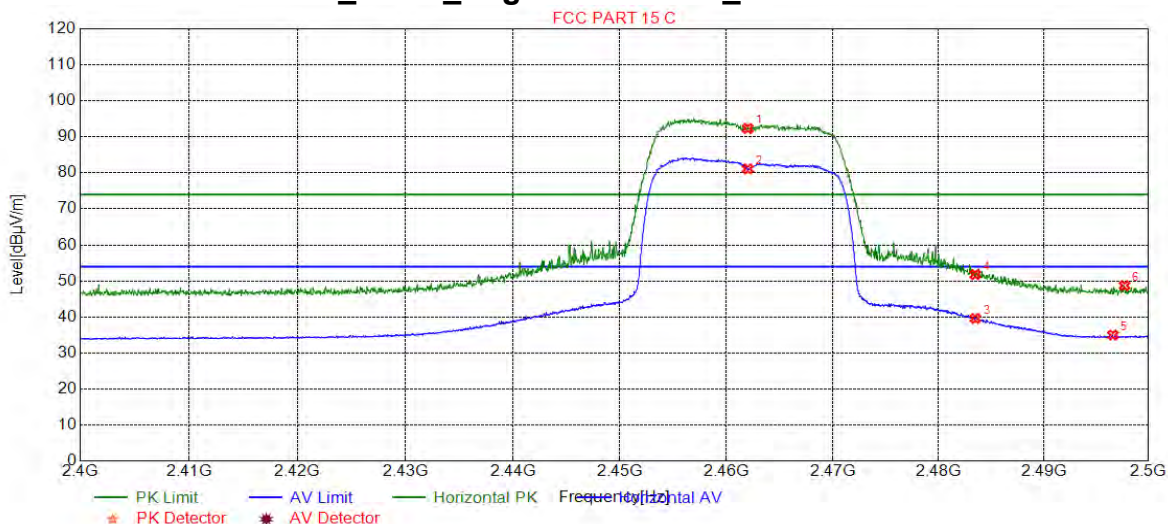
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#### 4.10.1.8 802.11N20\_MIMO\_Highest Channel\_Horizontal



#### Suspected List

| NO. | Freq. [MHz] | Level [dBμV/m] | Factor [dB] | Limit [dBμV/m] | Margin [dB] | Height [cm] | Angle [°] | Polarity   |
|-----|-------------|----------------|-------------|----------------|-------------|-------------|-----------|------------|
| 1   | 2462.00     | 92.32          | 1.46        | 74.00          | -18.32      | 150         | 44        | Horizontal |
| 2   | 2462.00     | 81.10          | 1.46        | 54.00          | -27.10      | 150         | 41        | Horizontal |
| 3   | 2483.50     | 39.58          | 1.52        | 54.00          | 14.42       | 150         | 33        | Horizontal |
| 4   | 2483.50     | 51.77          | 1.52        | 74.00          | 22.23       | 150         | 145       | Horizontal |
| 5   | 2496.59     | 35.00          | 1.56        | 54.00          | 19.00       | 150         | 160       | Horizontal |
| 6   | 2497.69     | 48.71          | 1.56        | 74.00          | 25.29       | 150         | 339       | Horizontal |



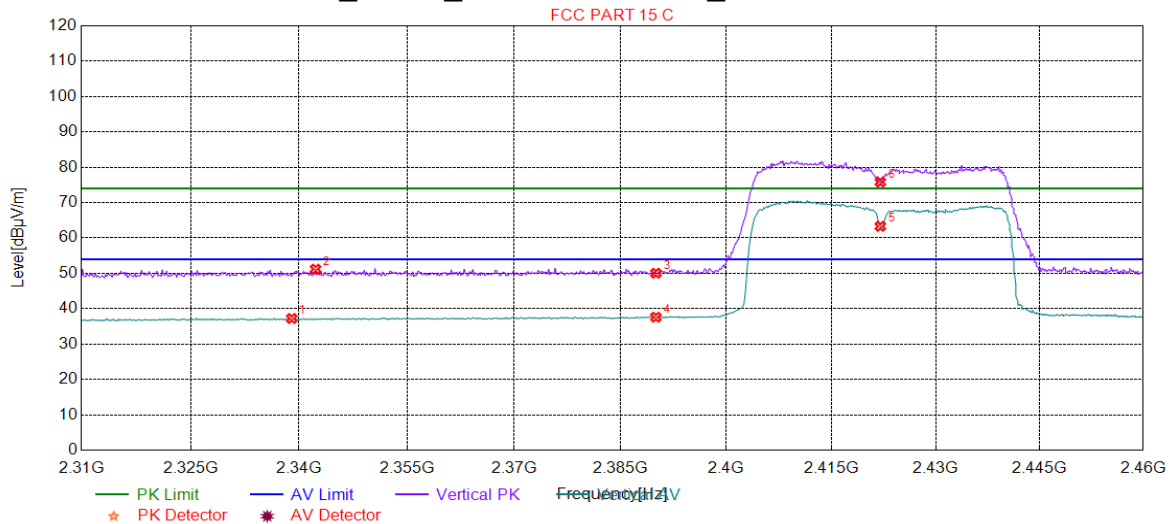
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#### 4.10.1.9 802.11N40\_MIMO\_Lowest Channel\_Vertical



#### Suspected List

| NO. | Freq. [MHz] | Level [dBμV/m] | Factor [dB] | Limit [dBμV/m] | Margin [dB] | Height [cm] | Angle [°] | Polarity |
|-----|-------------|----------------|-------------|----------------|-------------|-------------|-----------|----------|
| 1   | 2338.97     | 37.24          | 1.02        | 54.00          | 16.76       | 150         | 292       | Vertical |
| 2   | 2342.28     | 51.19          | 1.04        | 74.00          | 22.81       | 150         | 14        | Vertical |
| 3   | 2390.00     | 50.05          | 1.25        | 74.00          | 23.95       | 150         | 134       | Vertical |
| 4   | 2390.00     | 37.61          | 1.25        | 54.00          | 16.39       | 150         | 328       | Vertical |
| 5   | 2422.00     | 63.31          | 1.35        | 54.00          | -9.31       | 150         | 132       | Vertical |
| 6   | 2422.00     | 75.82          | 1.35        | 74.00          | -1.82       | 150         | 128       | Vertical |



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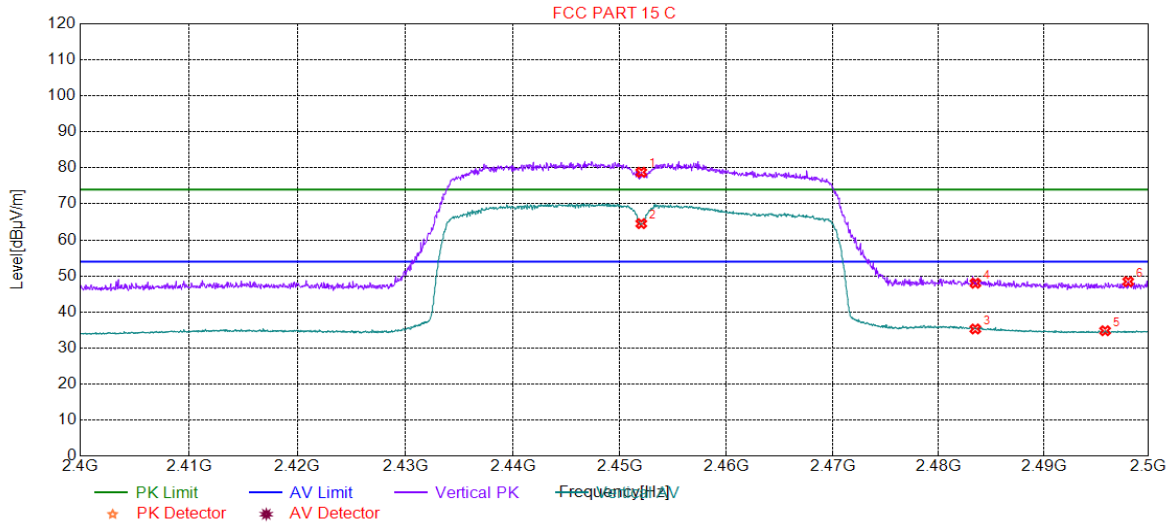
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4.10.1.10 802.11N40\_MIMO\_Highest Channel\_Vertical



Suspected List

| NO. | Freq. [MHz] | Level [dBμV/m] | Factor [dB] | Limit [dBμV/m] | Margin [dB] | Height [cm] | Angle [°] | Polarity |
|-----|-------------|----------------|-------------|----------------|-------------|-------------|-----------|----------|
| 1   | 2452.00     | 78.79          | 1.44        | 74.00          | -4.79       | 150         | 112       | Vertical |
| 2   | 2452.00     | 64.53          | 1.44        | 54.00          | -10.53      | 150         | 112       | Vertical |
| 3   | 2483.50     | 35.29          | 1.52        | 54.00          | 18.71       | 150         | 162       | Vertical |
| 4   | 2483.50     | 47.98          | 1.52        | 74.00          | 26.02       | 150         | 40        | Vertical |
| 5   | 2495.84     | 34.79          | 1.56        | 54.00          | 19.21       | 150         | 234       | Vertical |
| 6   | 2498.04     | 48.43          | 1.56        | 74.00          | 25.57       | 150         | 348       | Vertical |



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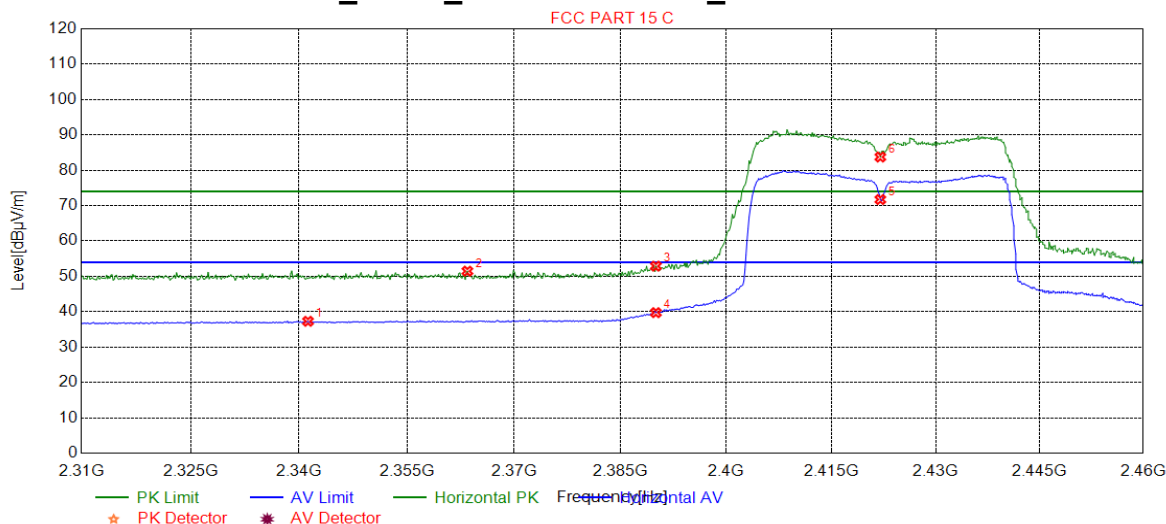
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#### 4.10.1.11 802.11N40\_MIMO\_Lowest Channel\_Horizontal



#### Suspected List

| NO. | Freq. [MHz] | Level [dBμV/m] | Factor [dB] | Limit [dBμV/m] | Margin [dB] | Height [cm] | Angle [°] | Polarity   |
|-----|-------------|----------------|-------------|----------------|-------------|-------------|-----------|------------|
| 1   | 2341.23     | 37.30          | 1.03        | 54.00          | 16.70       | 150         | 346       | Horizontal |
| 2   | 2363.45     | 51.47          | 1.13        | 74.00          | 22.53       | 150         | 289       | Horizontal |
| 3   | 2390.00     | 52.89          | 1.25        | 74.00          | 21.11       | 150         | 35        | Horizontal |
| 4   | 2390.00     | 39.74          | 1.25        | 54.00          | 14.26       | 150         | 23        | Horizontal |
| 5   | 2422.00     | 71.72          | 1.35        | 54.00          | -17.72      | 150         | 29        | Horizontal |
| 6   | 2422.00     | 83.74          | 1.35        | 74.00          | -9.74       | 150         | 26        | Horizontal |



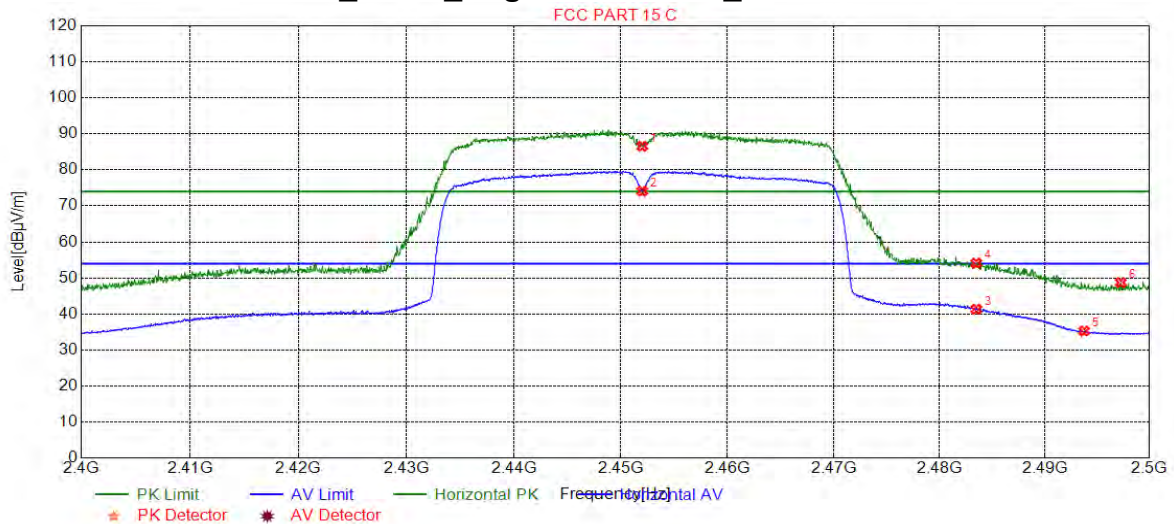
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## 4.10.1.12 802.11N40\_MIMO\_Highest Channel\_Horizontal



## Suspected List

| NO. | Freq. [MHz] | Level [dBμV/m] | Factor [dB] | Limit [dBμV/m] | Margin [dB] | Height [cm] | Angle [°] | Polarity   |
|-----|-------------|----------------|-------------|----------------|-------------|-------------|-----------|------------|
| 1   | 2452.00     | 86.54          | 1.44        | 74.00          | -12.54      | 150         | 24        | Horizontal |
| 2   | 2452.00     | 74.10          | 1.44        | 54.00          | -20.10      | 150         | 59        | Horizontal |
| 3   | 2483.50     | 41.31          | 1.52        | 54.00          | 12.69       | 150         | 48        | Horizontal |
| 4   | 2483.50     | 54.12          | 1.52        | 74.00          | 19.88       | 150         | 51        | Horizontal |
| 5   | 2493.74     | 35.28          | 1.55        | 54.00          | 18.72       | 150         | 97        | Horizontal |
| 6   | 2497.24     | 48.73          | 1.56        | 74.00          | 25.27       | 150         | 335       | Horizontal |

## Remark:

The field strength is calculated by adding the Antenna Factor, Cable Factor & Preamplifier. The basic equation with a sample calculation is as follows:

Final Test Level = Receiver Reading + Antenna Factor + Cable Factor – Preamplifier Factor

All Modes have been tested, but only the worst case data displayed in this report.





## 5 Measurement Uncertainty (95% confidence levels, k=2)

| No. | Item                            | Measurement Uncertainty            |
|-----|---------------------------------|------------------------------------|
| 1   | Total RF power, conducted       | $\pm 0.75\text{dB}$                |
| 2   | RF power density, conducted     | $\pm 2.84\text{dB}$                |
| 3   | Spurious emissions, conducted   | $\pm 0.75\text{dB}$                |
| 4   | Radiated Spurious emission test | $\pm 4.5\text{dB}$ (30MHz-1GHz)    |
|     |                                 | $\pm 4.8\text{dB}$ (1GHz-25GHz)    |
| 5   | Conduct emission test           | $\pm 3.12\text{ dB}$ (9KHz- 30MHz) |
| 6   | Temperature test                | $\pm 1^{\circ}\text{C}$            |
| 7   | Humidity test                   | $\pm 3\%$                          |
| 8   | DC and low frequency voltages   | $\pm 0.5\%$                        |



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## 6 Equipment List

| Conducted Emission                 |                                    |                   |               |              |               |
|------------------------------------|------------------------------------|-------------------|---------------|--------------|---------------|
| Test Equipment                     | Manufacturer                       | Model No.         | Inventory No. | Cal. date    | Cal. Due date |
|                                    |                                    |                   |               | (yyyy-mm-dd) | (yyyy-mm-dd)  |
| Shielding Room                     | ZhongYu Electron                   | GB-88             | SEM001-06     | 2017/5/10    | 2020/5/9      |
| LISN                               | Rohde & Schwarz                    | ENV216            | SEM007-01     | 2018/9/2     | 2019/9/2      |
| LISN                               | ETS-LINDGREN                       | Feb-16            | SEM007-02     | 2019/3/2     | 2020/3/1      |
| Measurement Software               | AUDIX                              | e3 V5.4.1221d     | N/A           | N/A          | N/A           |
| Coaxial Cable                      | SGS                                | N/A               | SEM024-01     | 2018/7/12    | 2019/7/11     |
| 2 Line ISN                         | Fischer Custom Communications Inc. | FCC-TLISN-T2-02   | EMC0122       | 2019/2/11    | 2020/2/10     |
| EMI Test Receiver                  | Rohde & Schwarz                    | ESCI              | SEM004-02     | 2019/3/2     | 2020/3/1      |
| RF conducted test                  |                                    |                   |               |              |               |
| Test Equipment                     | Manufacturer                       | Model No.         | Inventory No. | Cal. date    | Cal. Due date |
|                                    |                                    |                   |               | (yyyy-mm-dd) | (yyyy-mm-dd)  |
| DC Power Supply                    | Agilent Technologies Inc           | 66311B            | W009-09       | 2018/9/15    | 2019/9/15     |
| Signal Analyzer                    | Rohde & Schwarz                    | FSV               | W025-05       | 2019/1/13    | 2020/1/12     |
| Coaxial Cable                      | SGS                                | N/A               | SEM031-01     | 2018/7/13    | 2019/7/12     |
| Attenuator                         | Weinschel Associates               | WA41              | SEM021-09     | N/A          | N/A           |
| Signal Generator                   | KEYSIGHT                           | N5173B            | SEM006-05     | 2018/9/2     | 2019/9/2      |
| Temperature Chamber                | GIANT FORCE                        | ICT-150-40-CP-AR  | W027-03       | 2018/11/27   | 2019/11/27    |
| Power Meter                        | Rohde & Schwarz                    | NRVS              | SEM014-02     | 2018/9/2     | 2019/9/2      |
| RE in Chamber                      |                                    |                   |               |              |               |
| Test Equipment                     | Manufacturer                       | Model No.         | Inventory No. | Cal. date    | Cal. Due date |
|                                    |                                    |                   |               | (yyyy-mm-dd) | (yyyy-mm-dd)  |
| 3m Semi-Anechoic Chamber           | ETS-LINDGREN                       | N/A               | SEM001-01     | 2017/8/5     | 2020/8/4      |
| Measurement Software               | AUDIX                              | e3 V8.2014-6-27   | N/A           | N/A          | N/A           |
| Coaxial Cable                      | SGS                                | N/A               | SEM025-01     | 2018/7/12    | 2019/7/11     |
| MXE EMI Receiver (20Hz-8.4GHz)     | Agilent Technologies               | N9038A            | SEM004-05     | 2018/9/2     | 2019/9/2      |
| BiConiLog Antenna (26-3000MHz)     | ETS-LINDGREN                       | 3142C             | SEM003-01     | 2017/6/27    | 2020/6/26     |
| Pre-amplifier (0.1-1.3GHz)         | Agilent Technologies               | 8447D             | SEM005-01     | 2019/3/2     | 2020/3/1      |
| RE in Chamber                      |                                    |                   |               |              |               |
| Test Equipment                     | Manufacturer                       | Model No.         | Inventory No. | Cal. date    | Cal. Due date |
|                                    |                                    |                   |               | (yyyy-mm-dd) | (yyyy-mm-dd)  |
| 3m Semi-Anechoic Chamber           | AUDIX                              | N/A               | SEM001-02     | 2018/3/13    | 2021/3/12     |
| Measurement Software               | AUDIX                              | e3V8.2014-6-27    | N/A           | N/A          | N/A           |
| Coaxial Cable                      | SGS                                | N/A               | SEM026-01     | 2018/7/12    | 2019/7/11     |
| EXA Signal Analyzer (10Hz-26.5GHz) | Agilent Technologies Inc           | N9010A            | SEM004-09     | 2019/4/12    | 2020/4/11     |
| BiConiLog Antenna (26-3000MHz)     | ETS-Lindgren                       | 3142C             | SEM003-01     | 2017/6/27    | 2020/6/26     |
| Horn Antenna (0.8-18GHz)           | Rohde & Schwarz                    | HF907             | SEM003-07     | 2018/4/13    | 2021/4/12     |
| Pre-amplifier(0.1-1.3GHz)          | HP                                 | 8447D             | SEM005-02     | 2018/9/2     | 2019/9/2      |
| Low Noise Amplifier(100MHz-18GHz)  | Black Diamond Series               | BDLNA-0118-352810 | SEM005-05     | 2018/9/27    | 2019/9/27     |
| Horn Antenna (15-40GHz)            | Schwarzbeck                        | BBHA 9170         | SEM003-15     | 2017/10/17   | 2020/10/16    |
| Pre-amplifier(18-26GHz)            | Rohde & Schwarz                    | CH14-H052         | SEM005-17     | 2019/3/2     | 2020/3/1      |
| Band filter                        | N/A                                | N/A               | SEM023-01     | N/A          | N/A           |



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| RE in Chamber                      |                 |                 |               |                           |                               |
|------------------------------------|-----------------|-----------------|---------------|---------------------------|-------------------------------|
| Test Equipment                     | Manufacturer    | Model No.       | Inventory No. | Cal. Date<br>(yyyy-mm-dd) | Cal. Due date<br>(yyyy-mm-dd) |
| 10m Semi-Anechoic Chamber          | SAEMC           | FSAC1018        | SEM001-03     | 2018/3/31                 | 2021/3/30                     |
| EMI Test Receiver (9k-7GHz)        | Rohde & Schwarz | ESR             | SEM004-03     | 2019/3/2                  | 2020/3/1                      |
| Trilog-Broadband Antenna(25M-2GHz) | Schwarzbeck     | VULB9168        | SEM003-18     | 2016/6/29                 | 2019/6/28                     |
| Pre-amplifier (9k-1GHz)            | Sonoma          | 310N            | SEM005-03     | 2019/4/12                 | 2020/4/11                     |
| Loop Antenna (9kHz-30MHz)          | ETS-Lindgren    | 6502            | SEM003-08     | 2017/8/22                 | 2020/8/21                     |
| Measurement Software               | AUDIX           | e3 V8.2014-6-27 | N/A           | N/A                       | N/A                           |
| Coaxial Cable                      | SGS             | N/A             | SEM029-01     | 2018/7/12                 | 2019/7/11                     |

## 7 Photographs - EUT Constructional Details

Refer to Appendix A - Photographs of EUT Constructional Details for HR/2019/30012

The End

