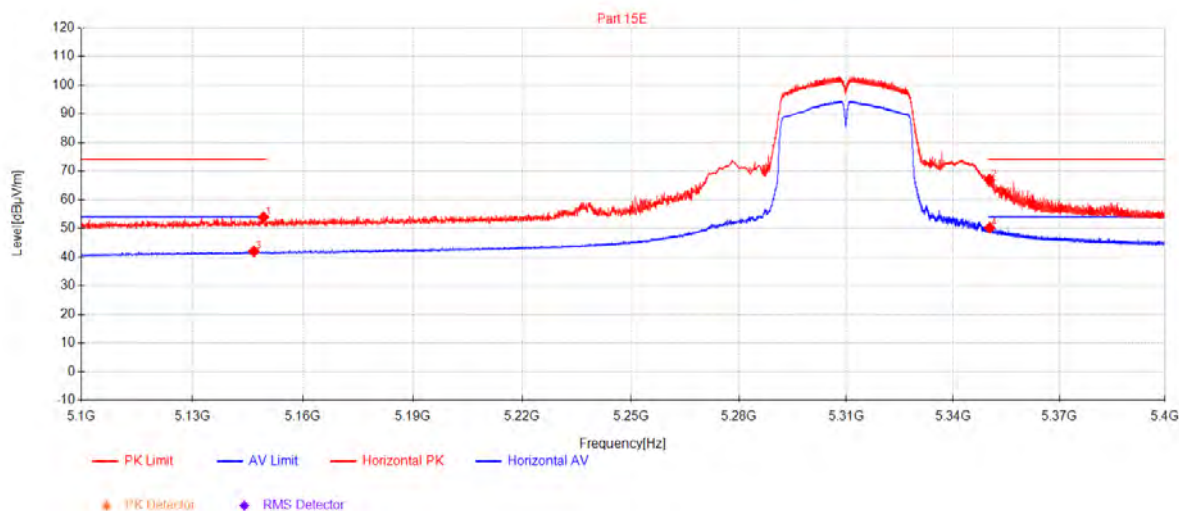


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## 802.11n40\_Channel 62



## Data List

| NO. | Frequency [MHz] | Reading [dBμV] | AF [dB/m] | Factor [dB] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Height [cm] | Angle [°] | Polarity   |
|-----|-----------------|----------------|-----------|-------------|----------------|----------------|-------------|-------------|-----------|------------|
| 1   | 5149.3          | 39.35          | 32.60     | -18.09      | 53.86          | 74.00          | 20.14       | 101         | 58        | Horizontal |
| 2   | 5350.2375       | 51.75          | 32.60     | -17.39      | 66.96          | 74.00          | 7.04        | 101         | 58        | Horizontal |
| 3   | 5146.65         | 27.44          | 32.60     | -18.10      | 41.94          | 54.00          | 12.06       | 101         | 58        | Horizontal |
| 4   | 5350.2875       | 34.95          | 32.60     | -17.39      | 50.16          | 54.00          | 3.84        | 101         | 58        | Horizontal |



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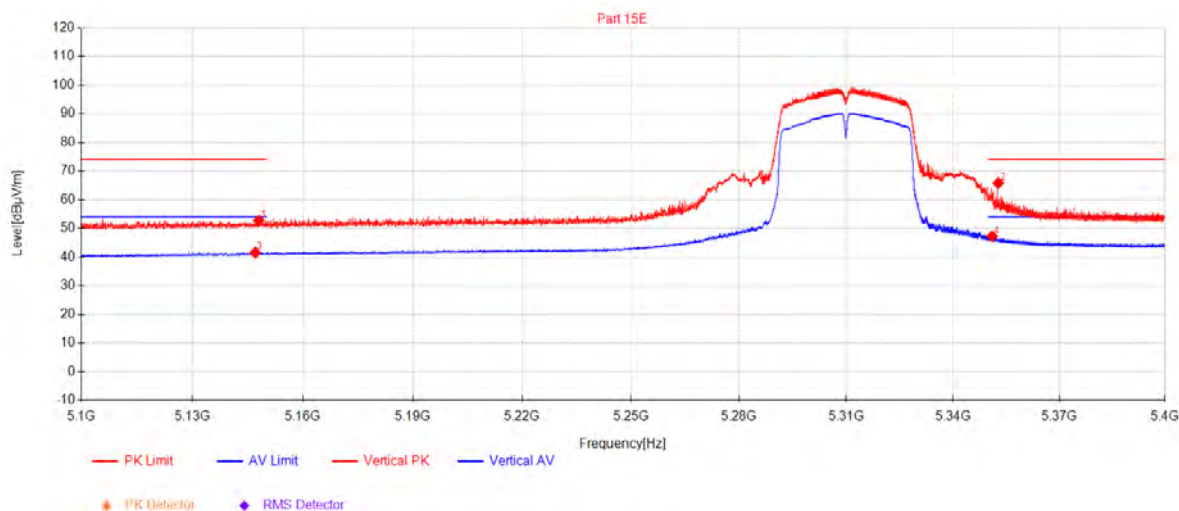
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## 802.11n40\_Channel 62



## Data List

| NO. | Frequency [MHz] | Reading [dBμV] | AF [dB/m] | Factor [dB] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Height [cm] | Angle [°] | Polarity |
|-----|-----------------|----------------|-----------|-------------|----------------|----------------|-------------|-------------|-----------|----------|
| 1   | 5148            | 38.14          | 32.60     | -18.10      | 52.64          | 74.00          | 21.36       | 302         | 246       | Vertical |
| 2   | 5352.7          | 50.54          | 32.60     | -17.39      | 65.75          | 74.00          | 8.25        | 302         | 246       | Vertical |
| 3   | 5147.05         | 26.99          | 32.60     | -18.10      | 41.49          | 54.00          | 12.51       | 302         | 246       | Vertical |
| 4   | 5350.9625       | 32.03          | 32.60     | -17.39      | 47.24          | 54.00          | 6.76        | 302         | 246       | Vertical |



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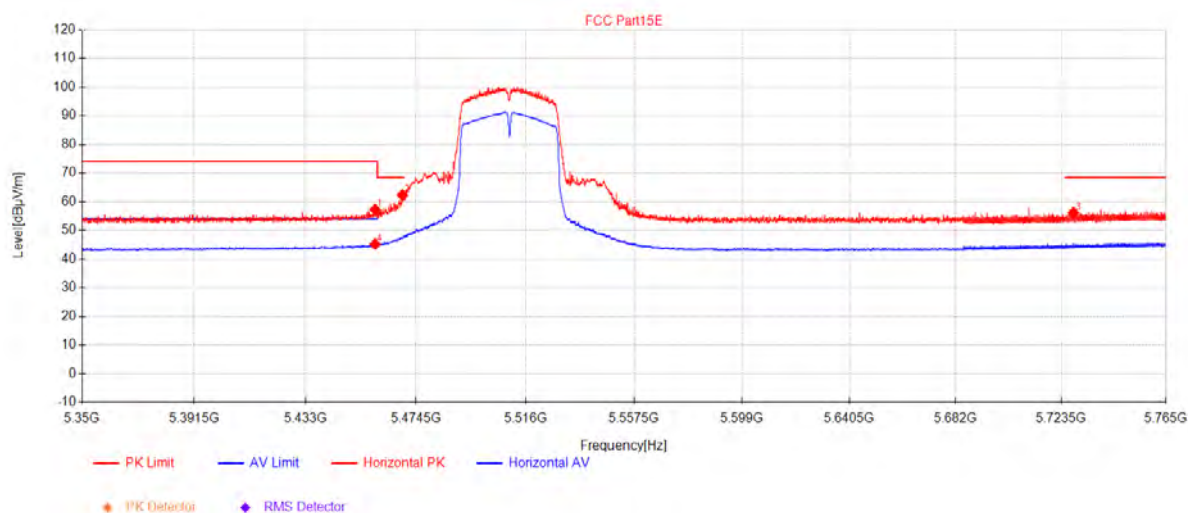
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## 802.11n40\_Channel 102



## Data List

| NO. | Frequency [MHz] | Reading [dBμV] | AF [dB/m] | Factor [dB] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Height [cm] | Angle [°] | Polarity   |
|-----|-----------------|----------------|-----------|-------------|----------------|----------------|-------------|-------------|-----------|------------|
| 1   | 5459.1262       | 41.81          | 32.60     | -17.23      | 57.18          | 74.00          | 16.82       | 102         | 56        | Horizontal |
| 2   | 5469.4275       | 46.88          | 32.60     | -17.22      | 62.26          | 68.30          | 6.04        | 102         | 56        | Horizontal |
| 3   | 5728.3          | 39.51          | 33.33     | -16.67      | 56.17          | 68.30          | 12.13       | 102         | 56        | Horizontal |
| 4   | 5459.1262       | 29.80          | 32.60     | -17.23      | 45.17          | 54.00          | 8.83        | 102         | 56        | Horizontal |



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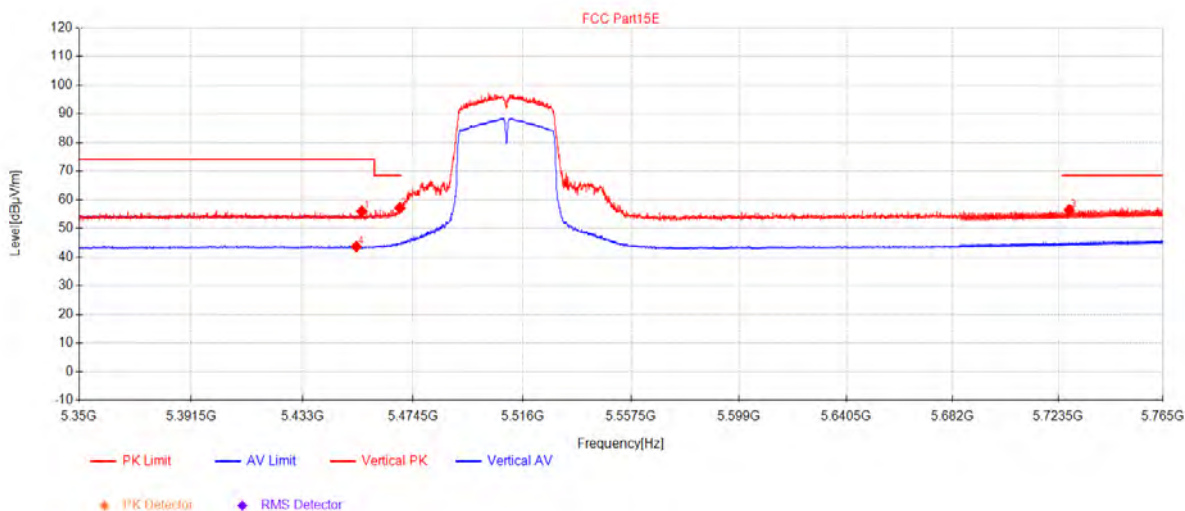
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## 802.11n40\_Channel 102



## Data List

| NO. | Frequency [MHz] | Reading [dBμV] | AF [dB/m] | Factor [dB] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Height [cm] | Angle [°] | Polarity |
|-----|-----------------|----------------|-----------|-------------|----------------|----------------|-------------|-------------|-----------|----------|
| 1   | 5455.2738       | 40.54          | 32.60     | -17.24      | 55.90          | 74.00          | 18.10       | 302         | 211       | Vertical |
| 2   | 5469.595        | 41.70          | 32.60     | -17.22      | 57.08          | 68.30          | 11.22       | 302         | 211       | Vertical |
| 3   | 5727.87         | 39.73          | 33.33     | -16.68      | 56.38          | 68.30          | 11.92       | 302         | 211       | Vertical |
| 4   | 5453.18         | 28.27          | 32.60     | -17.24      | 43.63          | 54.00          | 10.37       | 302         | 211       | Vertical |



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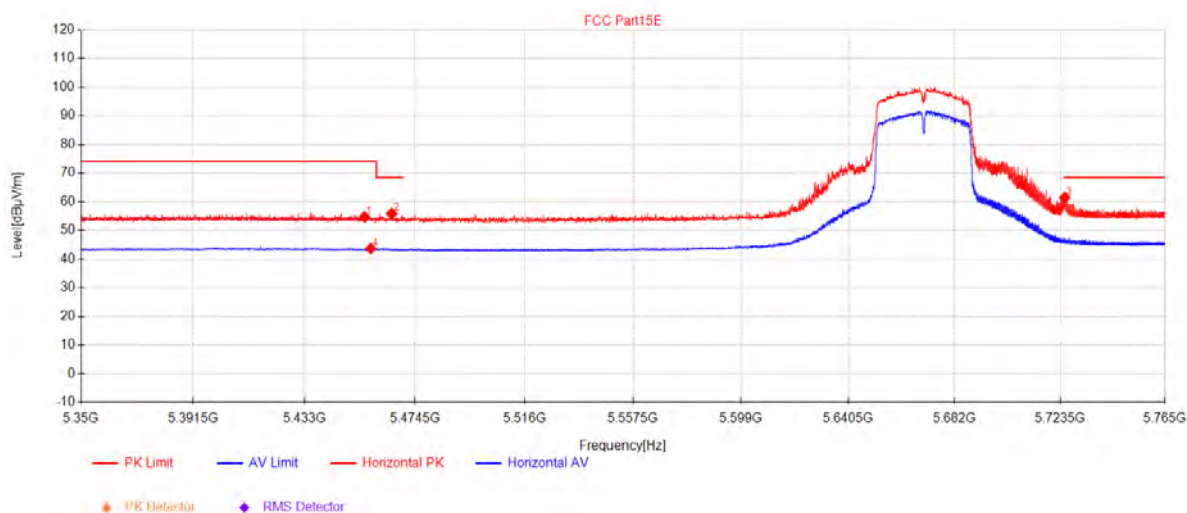
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## 802.11n40\_Channel 134



## Data List

| NO. | Frequency [MHz] | Reading [dBμV] | AF [dB/m] | Factor [dB] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Height [cm] | Angle [°] | Polarity   |
|-----|-----------------|----------------|-----------|-------------|----------------|----------------|-------------|-------------|-----------|------------|
| 1   | 5455.525        | 39.38          | 32.60     | -17.24      | 54.74          | 74.00          | 19.26       | 103         | 58        | Horizontal |
| 2   | 5465.7425       | 40.42          | 32.60     | -17.22      | 55.80          | 68.30          | 12.50       | 103         | 58        | Horizontal |
| 3   | 5725.25         | 44.78          | 33.32     | -16.69      | 61.41          | 68.30          | 6.89        | 103         | 58        | Horizontal |
| 4   | 5457.87         | 28.29          | 32.60     | -17.23      | 43.66          | 54.00          | 10.34       | 103         | 58        | Horizontal |



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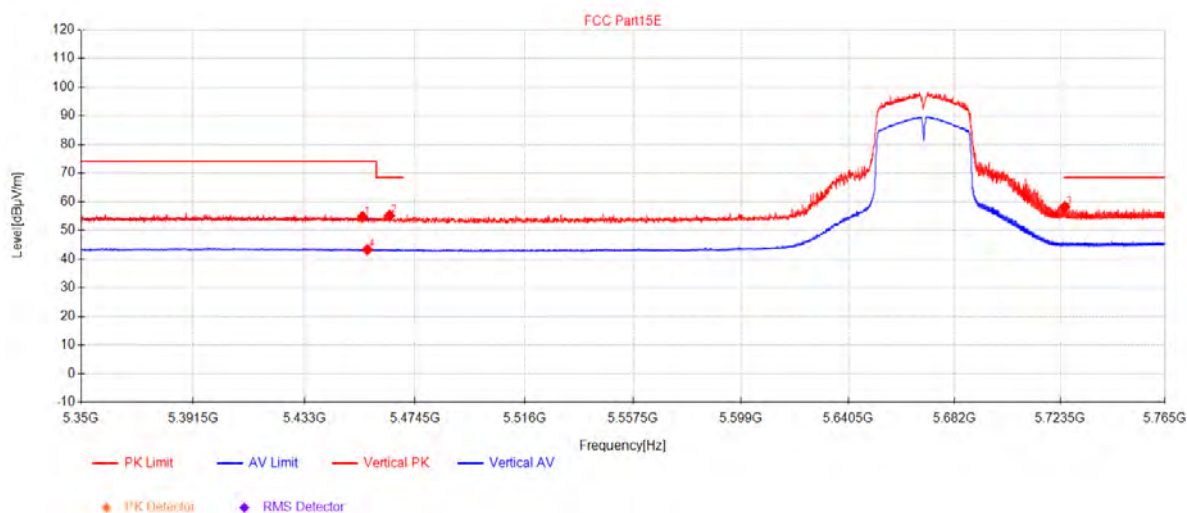
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## 802.11n40\_Channel 134



## Data List

| NO. | Frequency [MHz] | Reading [dBμV] | AF [dB/m] | Factor [dB] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Height [cm] | Angle [°] | Polarity |
|-----|-----------------|----------------|-----------|-------------|----------------|----------------|-------------|-------------|-----------|----------|
| 1   | 5454.7712       | 39.36          | 32.60     | -17.24      | 54.72          | 74.00          | 19.28       | 362         | 261       | Vertical |
| 2   | 5464.905        | 39.72          | 32.60     | -17.22      | 55.10          | 68.30          | 13.20       | 362         | 261       | Vertical |
| 3   | 5725.32         | 41.55          | 33.32     | -16.69      | 58.18          | 68.30          | 10.12       | 362         | 261       | Vertical |
| 4   | 5456.6138       | 27.91          | 32.60     | -17.24      | 43.27          | 54.00          | 10.73       | 362         | 261       | Vertical |



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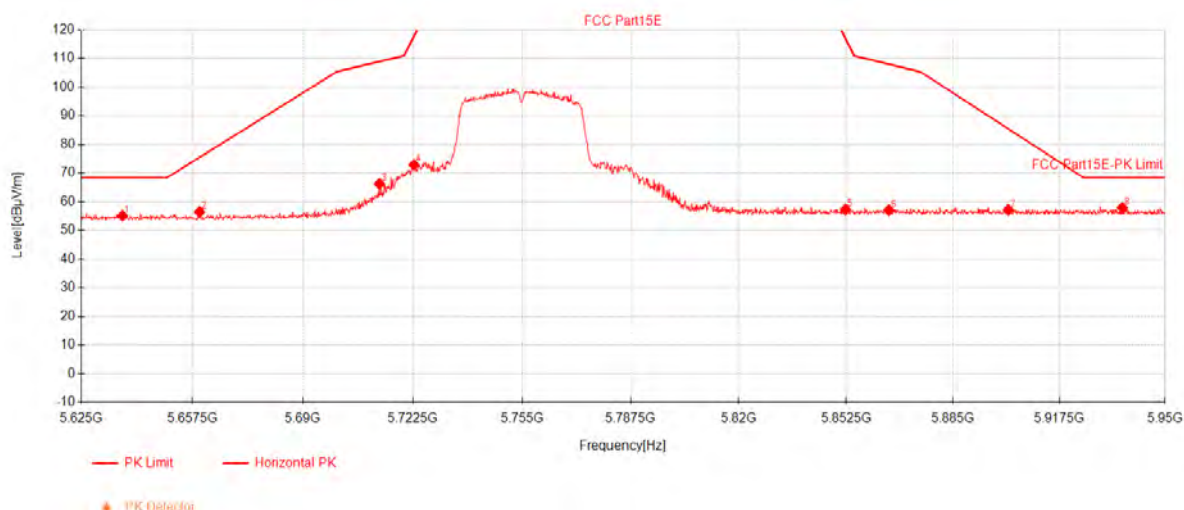
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## 802.11n40\_Channel 151



| Data List |                 |                |           |             |                |                |             |             |           |            |
|-----------|-----------------|----------------|-----------|-------------|----------------|----------------|-------------|-------------|-----------|------------|
| NO.       | Frequency [MHz] | Reading [dBμV] | AF [dB/m] | Factor [dB] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Height [cm] | Angle [°] | Polarity   |
| 1         | 5637.031        | 38.65          | 33.04     | -16.64      | 55.05          | 68.30          | 13.25       | 103         | 56        | Horizontal |
| 2         | 5659.6298       | 39.99          | 33.11     | -16.72      | 56.38          | 75.45          | 19.07       | 103         | 56        | Horizontal |
| 3         | 5712.6313       | 49.71          | 33.28     | -16.78      | 66.21          | 108.84         | 42.63       | 103         | 56        | Horizontal |
| 4         | 5722.8739       | 56.20          | 33.31     | -16.71      | 72.80          | 117.45         | 44.65       | 103         | 56        | Horizontal |
| 5         | 5852.2886       | 39.79          | 33.73     | -16.30      | 57.22          | 117.08         | 59.86       | 103         | 56        | Horizontal |
| 6         | 5865.4577       | 39.56          | 33.77     | -16.32      | 57.01          | 107.97         | 50.96       | 103         | 56        | Horizontal |
| 7         | 5901.8759       | 39.62          | 33.89     | -16.39      | 57.11          | 85.37          | 28.26       | 103         | 56        | Horizontal |
| 8         | 5936.8309       | 40.28          | 34.00     | -16.45      | 57.83          | 68.30          | 10.47       | 103         | 56        | Horizontal |



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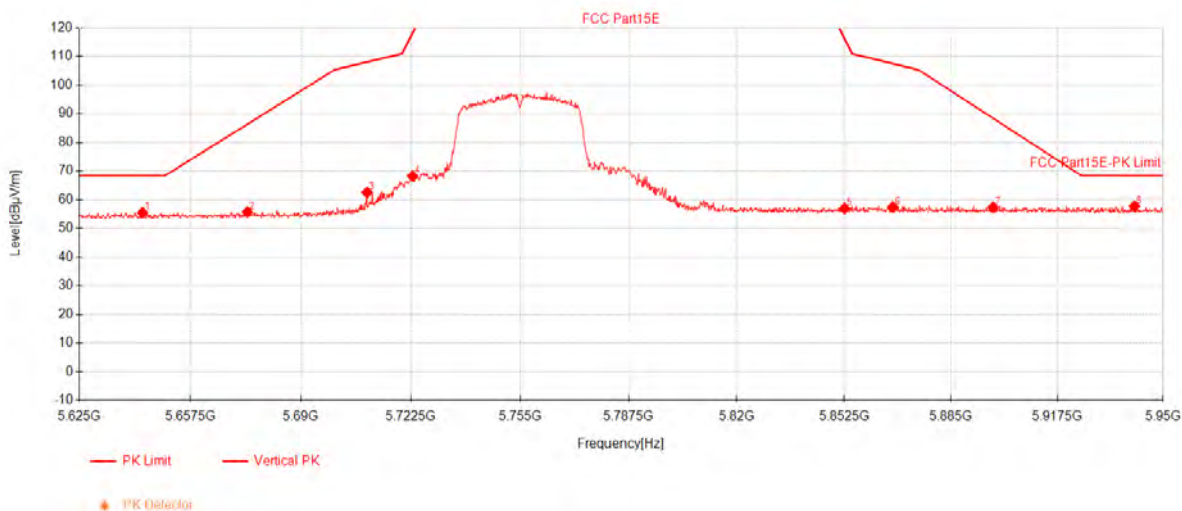
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## 802.11n40\_Channel 151



## Data List

| NO. | Frequency [MHz] | Reading [dBμV] | AF [dB/m] | Factor [dB] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Height [cm] | Angle [°] | Polarity |
|-----|-----------------|----------------|-----------|-------------|----------------|----------------|-------------|-------------|-----------|----------|
| 1   | 5643.5343       | 39.03          | 33.06     | -16.66      | 55.43          | 68.30          | 12.87       | 311         | 216       | Vertical |
| 2   | 5674.2621       | 39.27          | 33.16     | -16.77      | 55.66          | 86.29          | 30.63       | 311         | 216       | Vertical |
| 3   | 5709.5423       | 45.99          | 33.27     | -16.80      | 62.46          | 107.97         | 45.51       | 311         | 216       | Vertical |
| 4   | 5723.0365       | 51.61          | 33.31     | -16.71      | 68.22          | 117.82         | 49.60       | 311         | 216       | Vertical |
| 5   | 5852.6138       | 39.50          | 33.73     | -16.30      | 56.93          | 116.34         | 59.41       | 311         | 216       | Vertical |
| 6   | 5867.2461       | 39.90          | 33.78     | -16.33      | 57.35          | 107.47         | 50.12       | 311         | 216       | Vertical |
| 7   | 5897.8114       | 39.80          | 33.87     | -16.39      | 57.29          | 88.38          | 31.09       | 311         | 216       | Vertical |
| 8   | 5941.2206       | 40.10          | 34.01     | -16.45      | 57.66          | 68.30          | 10.64       | 311         | 216       | Vertical |



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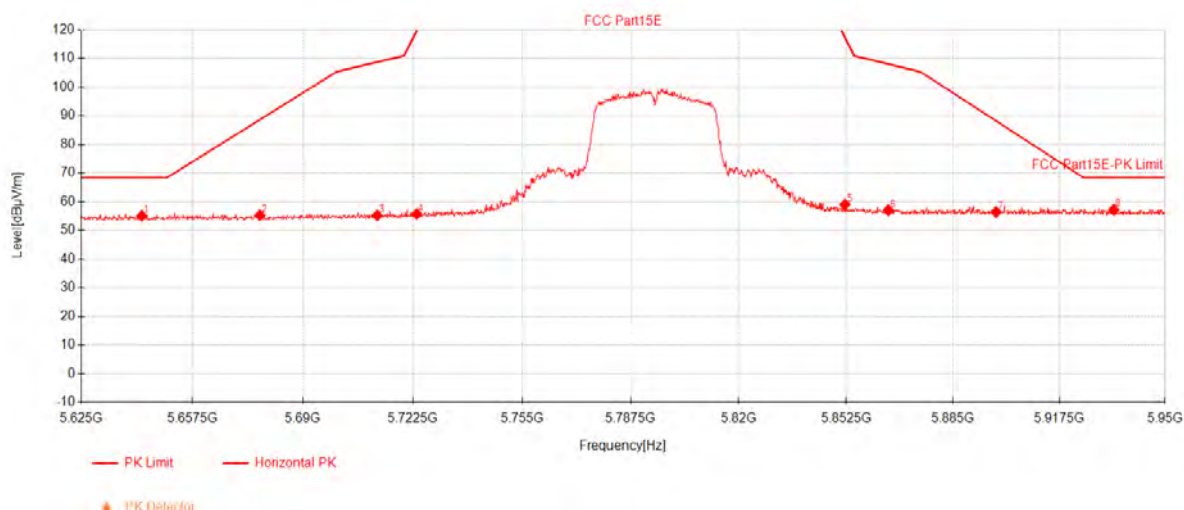
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## 802.11n40\_Channel 159



## Data List

| NO. | Frequency [MHz] | Reading [dBμV] | AF [dB/m] | Factor [dB] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Height [cm] | Angle [°] | Polarity   |
|-----|-----------------|----------------|-----------|-------------|----------------|----------------|-------------|-------------|-----------|------------|
| 1   | 5642.7214       | 38.63          | 33.06     | -16.66      | 55.03          | 68.30          | 13.27       | 112         | 56        | Horizontal |
| 2   | 5677.3512       | 38.81          | 33.17     | -16.78      | 55.20          | 88.58          | 33.38       | 112         | 56        | Horizontal |
| 3   | 5711.981        | 38.65          | 33.28     | -16.78      | 55.15          | 108.66         | 53.51       | 112         | 56        | Horizontal |
| 4   | 5723.6868       | 39.05          | 33.32     | -16.70      | 55.66          | 119.31         | 63.65       | 112         | 56        | Horizontal |
| 5   | 5852.1261       | 41.56          | 33.73     | -16.30      | 58.99          | 117.45         | 58.46       | 112         | 56        | Horizontal |
| 6   | 5865.2951       | 39.55          | 33.77     | -16.32      | 56.99          | 108.01         | 51.02       | 112         | 56        | Horizontal |
| 7   | 5898.1366       | 38.85          | 33.87     | -16.39      | 56.34          | 88.14          | 31.80       | 112         | 56        | Horizontal |
| 8   | 5934.2296       | 39.58          | 33.99     | -16.44      | 57.13          | 68.30          | 11.17       | 112         | 56        | Horizontal |



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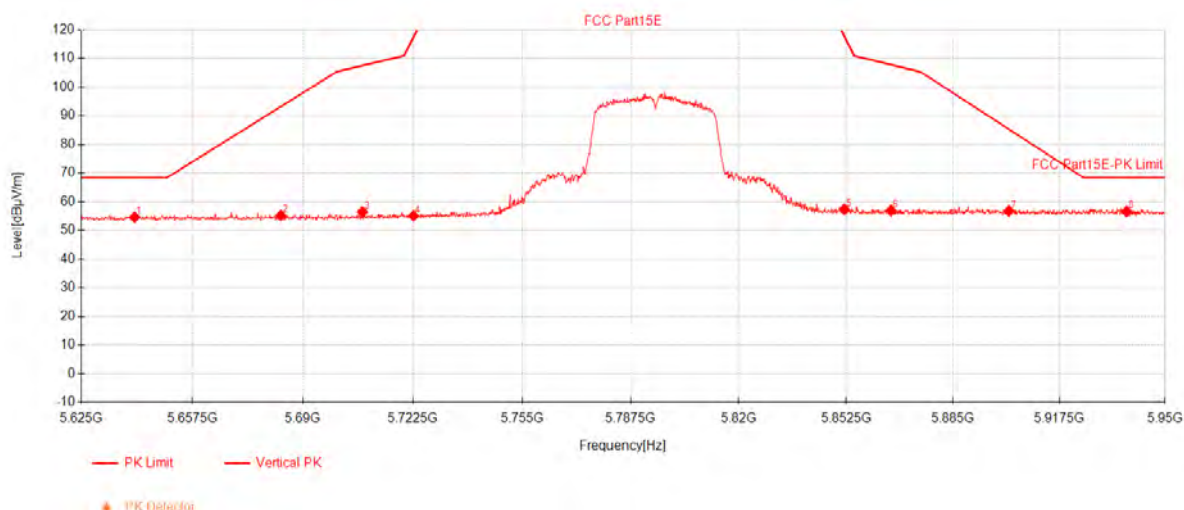
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## 802.11n40\_Channel 159



## Data List

| NO. | Frequency [MHz] | Reading [dBμV] | AF [dB/m] | Factor [dB] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Height [cm] | Angle [°] | Polarity |
|-----|-----------------|----------------|-----------|-------------|----------------|----------------|-------------|-------------|-----------|----------|
| 1   | 5640.6078       | 38.17          | 33.05     | -16.65      | 54.57          | 68.30          | 13.73       | 332         | 221       | Vertical |
| 2   | 5683.5293       | 38.77          | 33.19     | -16.80      | 55.15          | 93.15          | 38.00       | 332         | 221       | Vertical |
| 3   | 5707.5913       | 39.91          | 33.26     | -16.81      | 56.36          | 107.43         | 51.07       | 332         | 221       | Vertical |
| 4   | 5722.7114       | 38.40          | 33.31     | -16.71      | 55.00          | 117.08         | 62.08       | 332         | 221       | Vertical |
| 5   | 5851.9635       | 39.86          | 33.73     | -16.30      | 57.29          | 117.82         | 60.53       | 332         | 221       | Vertical |
| 6   | 5866.1081       | 39.46          | 33.77     | -16.33      | 56.91          | 107.79         | 50.88       | 332         | 221       | Vertical |
| 7   | 5902.0385       | 39.28          | 33.89     | -16.39      | 56.77          | 85.25          | 28.48       | 332         | 221       | Vertical |
| 8   | 5938.1316       | 39.01          | 34.00     | -16.45      | 56.56          | 68.30          | 11.74       | 332         | 221       | Vertical |



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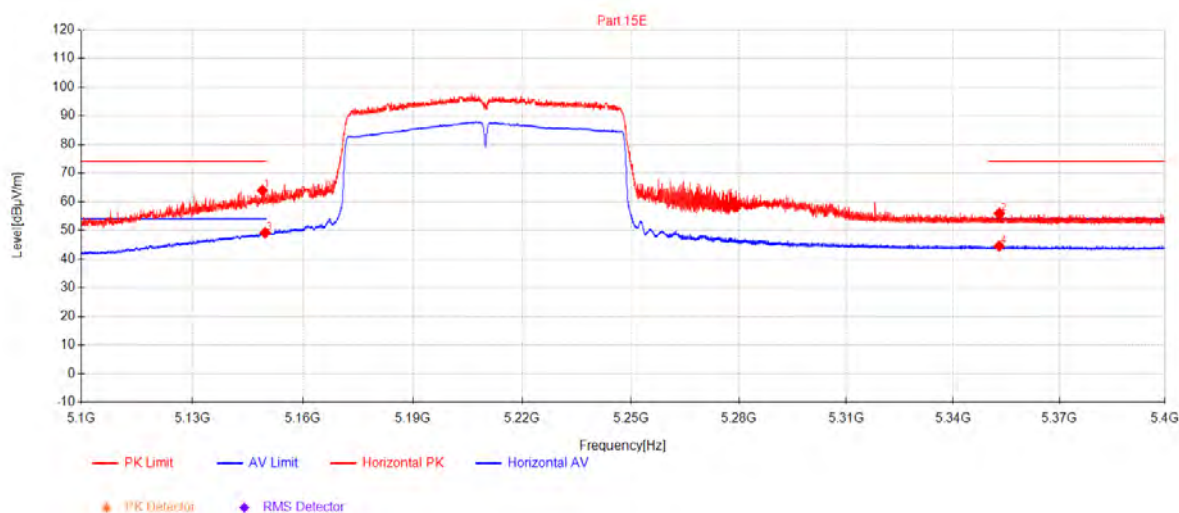
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## 802.11ac80\_Channel 42



## Data List

| NO. | Frequency [MHz] | Reading [dBμV] | AF [dB/m] | Factor [dB] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Height [cm] | Angle [°] | Polarity   |
|-----|-----------------|----------------|-----------|-------------|----------------|----------------|-------------|-------------|-----------|------------|
| 1   | 5149            | 49.39          | 32.60     | -18.09      | 63.90          | 74.00          | 10.10       | 101         | 58        | Horizontal |
| 2   | 5353.0125       | 40.67          | 32.60     | -17.39      | 55.88          | 74.00          | 18.12       | 101         | 58        | Horizontal |
| 3   | 5149.72         | 34.59          | 32.60     | -18.09      | 49.10          | 54.00          | 4.90        | 101         | 58        | Horizontal |
| 4   | 5352.9775       | 29.28          | 32.60     | -17.39      | 44.49          | 54.00          | 9.51        | 101         | 58        | Horizontal |



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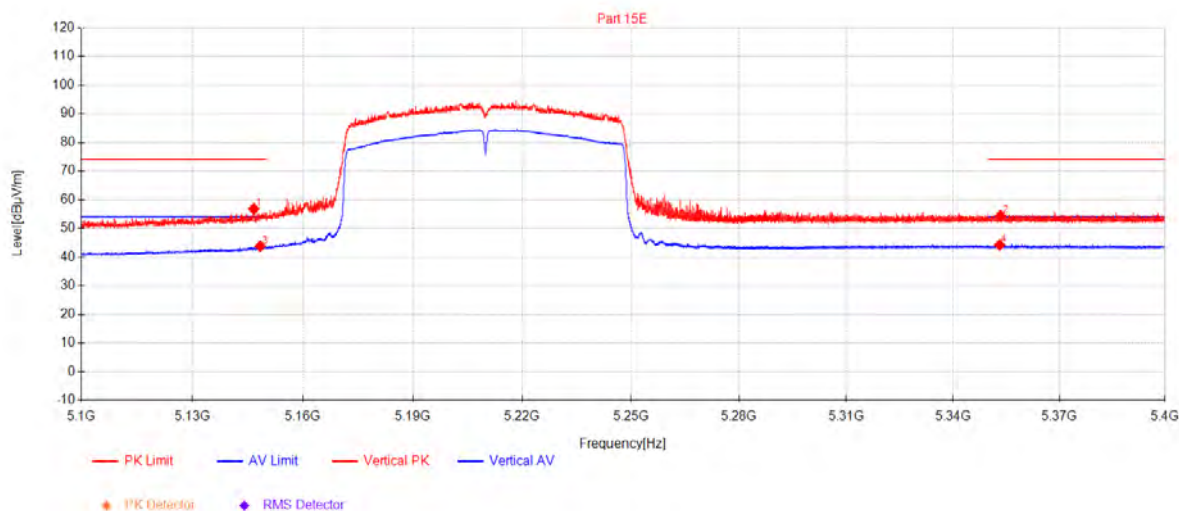
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## 802.11ac80\_Channel 42



## Data List

| NO. | Frequency [MHz] | Reading [dBμV] | AF [dB/m] | Factor [dB] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Height [cm] | Angle [°] | Polarity |
|-----|-----------------|----------------|-----------|-------------|----------------|----------------|-------------|-------------|-----------|----------|
| 1   | 5146.64         | 42.24          | 32.60     | -18.10      | 56.74          | 74.00          | 17.26       | 367         | 354       | Vertical |
| 2   | 5353.38         | 39.22          | 32.60     | -17.39      | 54.43          | 74.00          | 19.57       | 367         | 354       | Vertical |
| 3   | 5148.4          | 29.26          | 32.60     | -18.09      | 43.77          | 54.00          | 10.23       | 367         | 354       | Vertical |
| 4   | 5353.1175       | 28.98          | 32.60     | -17.39      | 44.19          | 54.00          | 9.81        | 367         | 354       | Vertical |



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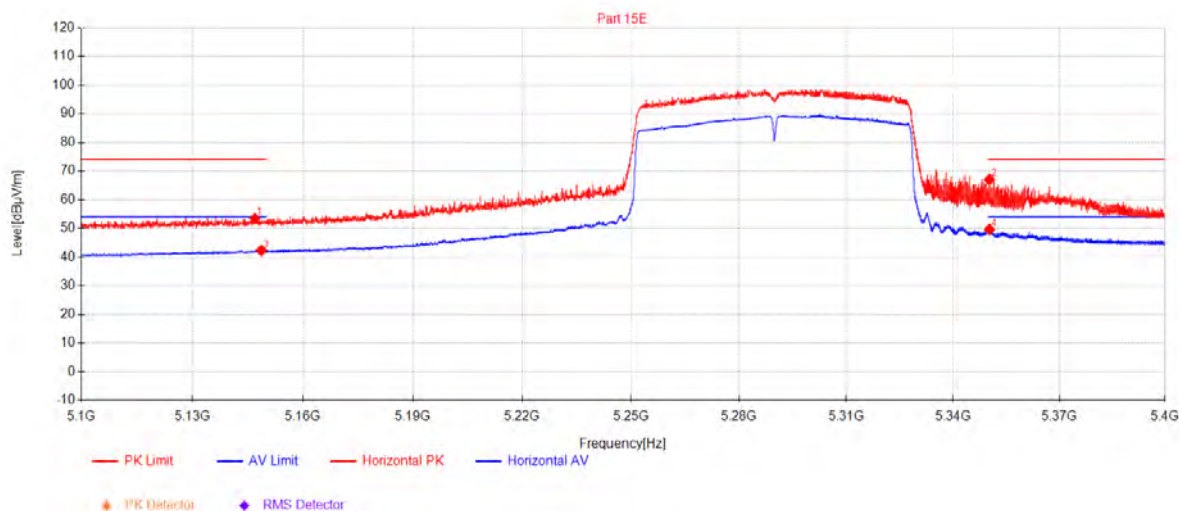
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## 802.11ac80\_Channel 58



## Data List

| NO. | Frequency [MHz] | Reading [dBμV] | AF [dB/m] | Factor [dB] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Height [cm] | Angle [°] | Polarity   |
|-----|-----------------|----------------|-----------|-------------|----------------|----------------|-------------|-------------|-----------|------------|
| 1   | 5146.95         | 38.88          | 32.60     | -18.10      | 53.38          | 74.00          | 20.62       | 103         | 57        | Horizontal |
| 2   | 5350.2125       | 51.77          | 32.60     | -17.39      | 66.98          | 74.00          | 7.02        | 103         | 57        | Horizontal |
| 3   | 5148.7          | 27.78          | 32.60     | -18.09      | 42.29          | 54.00          | 11.71       | 103         | 57        | Horizontal |
| 4   | 5350.2375       | 34.42          | 32.60     | -17.39      | 49.63          | 54.00          | 4.37        | 103         | 57        | Horizontal |



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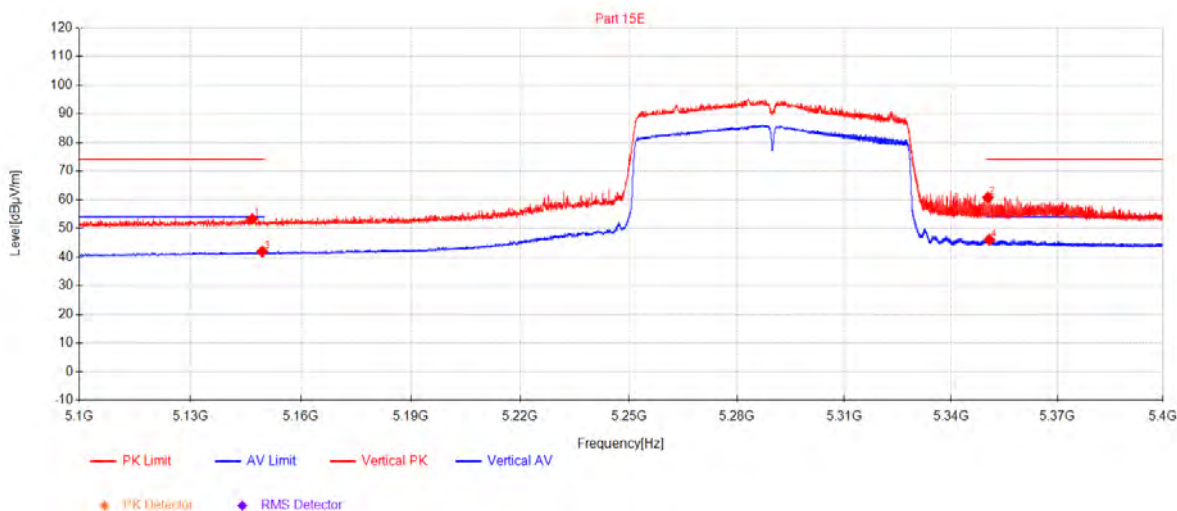
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## 802.11ac80\_Channel 58



## Data List

| NO. | Frequency [MHz] | Reading [dBμV] | AF [dB/m] | Factor [dB] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Height [cm] | Angle [°] | Polarity |
|-----|-----------------|----------------|-----------|-------------|----------------|----------------|-------------|-------------|-----------|----------|
| 1   | 5146.8          | 38.80          | 32.60     | -18.10      | 53.30          | 74.00          | 20.70       | 383         | 221       | Vertical |
| 2   | 5350.375        | 45.53          | 32.60     | -17.39      | 60.74          | 74.00          | 13.26       | 383         | 221       | Vertical |
| 3   | 5149.5          | 27.38          | 32.60     | -18.09      | 41.89          | 54.00          | 12.11       | 383         | 221       | Vertical |
| 4   | 5350.7875       | 30.80          | 32.60     | -17.39      | 46.01          | 54.00          | 7.99        | 383         | 221       | Vertical |



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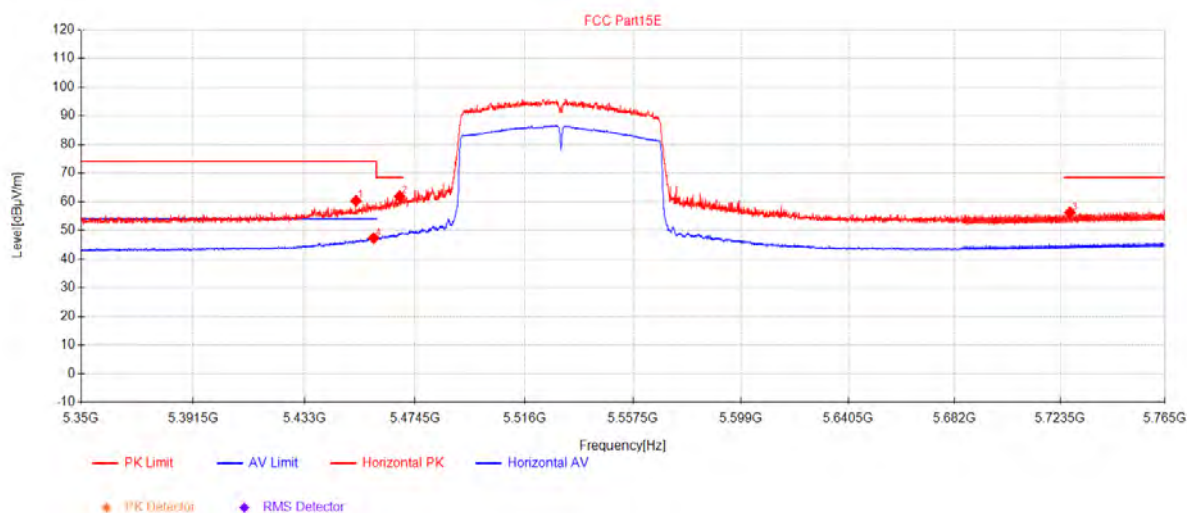
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## 802.11ac80\_Channel 106



## Data List

| NO. | Frequency [MHz] | Reading [dBμV] | AF [dB/m] | Factor [dB] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Height [cm] | Angle [°] | Polarity   |
|-----|-----------------|----------------|-----------|-------------|----------------|----------------|-------------|-------------|-----------|------------|
| 1   | 5452.3425       | 44.92          | 32.60     | -17.24      | 60.28          | 74.00          | 13.72       | 106         | 56        | Horizontal |
| 2   | 5468.7575       | 46.45          | 32.60     | -17.22      | 61.83          | 68.30          | 6.47        | 106         | 56        | Horizontal |
| 3   | 5727.33         | 39.57          | 33.33     | -16.68      | 56.22          | 68.30          | 12.08       | 106         | 56        | Horizontal |
| 4   | 5458.9588       | 31.89          | 32.60     | -17.23      | 47.26          | 54.00          | 6.74        | 106         | 56        | Horizontal |



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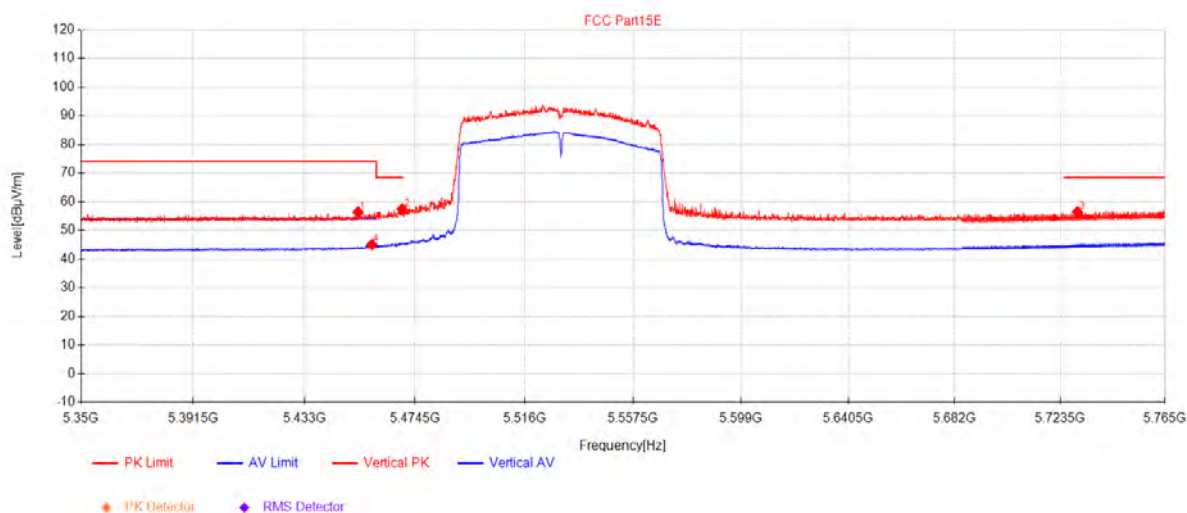
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## 802.11ac80\_Channel 106



## Data List

| NO. | Frequency [MHz] | Reading [dBμV] | AF [dB/m] | Factor [dB] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Height [cm] | Angle [°] | Polarity |
|-----|-----------------|----------------|-----------|-------------|----------------|----------------|-------------|-------------|-----------|----------|
| 1   | 5453.0962       | 41.00          | 32.60     | -17.24      | 56.36          | 74.00          | 17.64       | 352         | 246       | Vertical |
| 2   | 5469.6788       | 41.95          | 32.60     | -17.22      | 57.33          | 68.30          | 10.97       | 352         | 246       | Vertical |
| 3   | 5730.28         | 39.70          | 33.34     | -16.66      | 56.38          | 68.30          | 11.92       | 352         | 246       | Vertical |
| 4   | 5458.2888       | 29.62          | 32.60     | -17.23      | 44.99          | 54.00          | 9.01        | 352         | 246       | Vertical |



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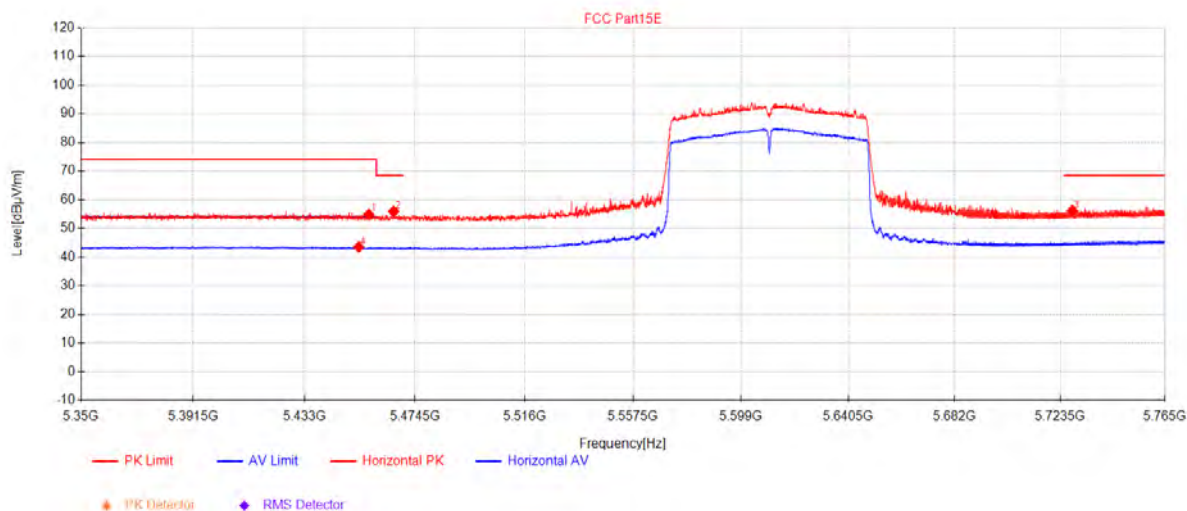
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## 802.11ac80\_Channel 122



## Data List

| NO. | Frequency [MHz] | Reading [dBμV] | AF [dB/m] | Factor [dB] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Height [cm] | Angle [°] | Polarity   |
|-----|-----------------|----------------|-----------|-------------|----------------|----------------|-------------|-------------|-----------|------------|
| 1   | 5457.1162       | 39.44          | 32.60     | -17.23      | 54.81          | 74.00          | 19.19       | 103         | 56        | Horizontal |
| 2   | 5466.4962       | 40.49          | 32.60     | -17.22      | 55.87          | 68.30          | 12.43       | 103         | 56        | Horizontal |
| 3   | 5728.24         | 39.48          | 33.33     | -16.67      | 56.14          | 68.30          | 12.16       | 103         | 56        | Horizontal |
| 4   | 5453.3475       | 28.11          | 32.60     | -17.24      | 43.47          | 54.00          | 10.53       | 103         | 56        | Horizontal |



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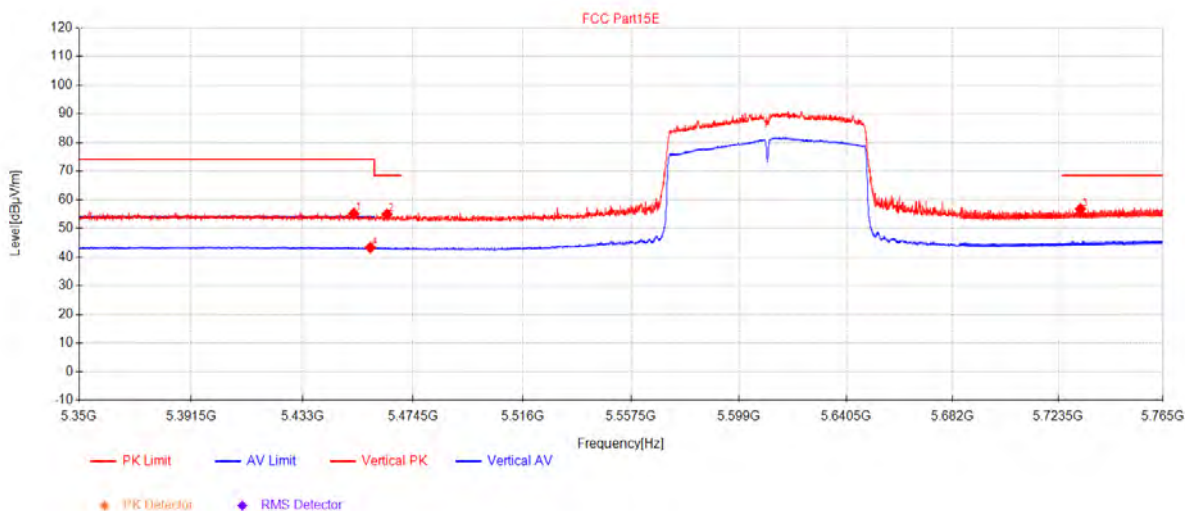
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## 802.11ac80\_Channel 122



## Data List

| NO. | Frequency [MHz] | Reading [dBμV] | AF [dB/m] | Factor [dB] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Height [cm] | Angle [°] | Polarity |
|-----|-----------------|----------------|-----------|-------------|----------------|----------------|-------------|-------------|-----------|----------|
| 1   | 5452.2588       | 39.77          | 32.60     | -17.24      | 55.13          | 74.00          | 18.87       | 336         | 235       | Vertical |
| 2   | 5464.7375       | 39.45          | 32.60     | -17.22      | 54.83          | 68.30          | 13.47       | 336         | 235       | Vertical |
| 3   | 5732.28         | 39.96          | 33.34     | -16.65      | 56.66          | 68.30          | 11.64       | 336         | 235       | Vertical |
| 4   | 5458.4562       | 27.93          | 32.60     | -17.23      | 43.30          | 54.00          | 10.70       | 336         | 235       | Vertical |



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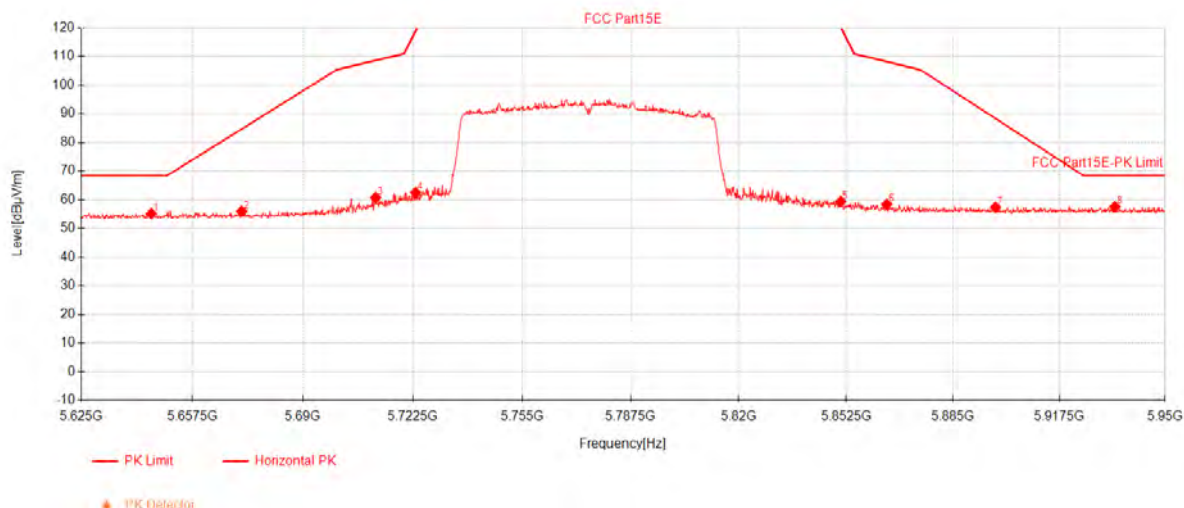
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## 802.11ac80\_Channel 155



## Data List

| NO. | Frequency [MHz] | Reading [dBμV] | AF [dB/m] | Factor [dB] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Height [cm] | Angle [°] | Polarity   |
|-----|-----------------|----------------|-----------|-------------|----------------|----------------|-------------|-------------|-----------|------------|
| 1   | 5645.4852       | 38.67          | 33.07     | -16.67      | 55.07          | 68.30          | 13.23       | 104         | 55        | Horizontal |
| 2   | 5671.986        | 39.48          | 33.15     | -16.76      | 55.87          | 84.61          | 28.74       | 104         | 55        | Horizontal |
| 3   | 5711.4932       | 44.19          | 33.28     | -16.78      | 60.68          | 108.52         | 47.84       | 104         | 55        | Horizontal |
| 4   | 5723.3617       | 45.79          | 33.31     | -16.71      | 62.40          | 118.57         | 56.17       | 104         | 55        | Horizontal |
| 5   | 5850.8254       | 41.84          | 33.72     | -16.30      | 59.27          | 120.42         | 61.15       | 104         | 55        | Horizontal |
| 6   | 5864.8074       | 40.87          | 33.77     | -16.32      | 58.31          | 108.15         | 49.84       | 104         | 55        | Horizontal |
| 7   | 5897.974        | 39.79          | 33.87     | -16.39      | 57.28          | 88.26          | 30.98       | 104         | 55        | Horizontal |
| 8   | 5934.5548       | 39.90          | 33.99     | -16.44      | 57.45          | 68.30          | 10.85       | 104         | 55        | Horizontal |



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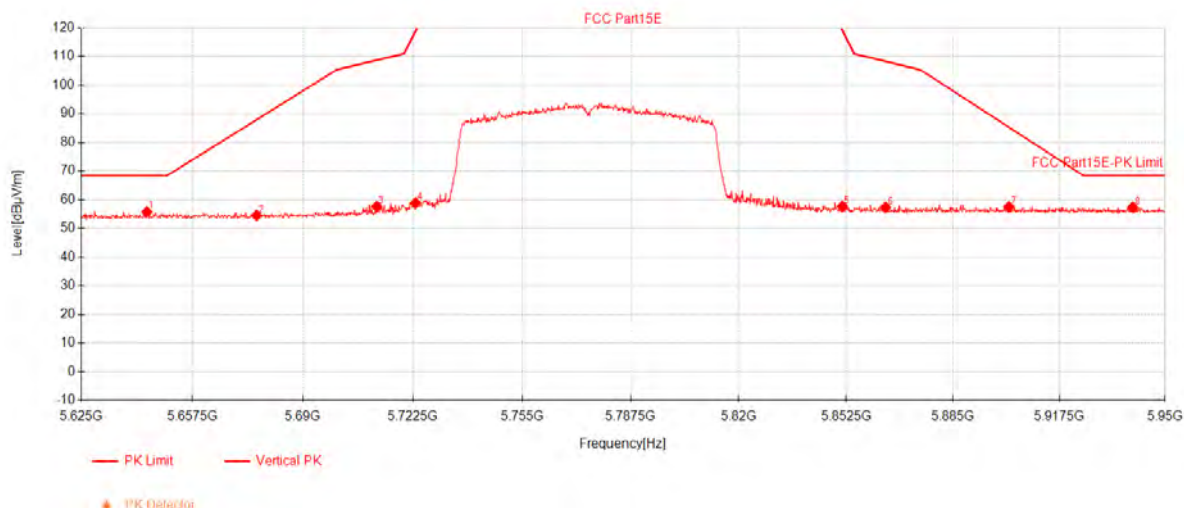
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## 802.11ac80\_Channel 155



## Data List

| NO. | Frequency [MHz] | Reading [dBμV] | AF [dB/m] | Factor [dB] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Height [cm] | Angle [°] | Polarity |
|-----|-----------------|----------------|-----------|-------------|----------------|----------------|-------------|-------------|-----------|----------|
| 1   | 5644.1846       | 39.28          | 33.06     | -16.66      | 55.68          | 68.30          | 12.62       | 326         | 210       | Vertical |
| 2   | 5676.3757       | 38.08          | 33.16     | -16.78      | 54.47          | 87.86          | 33.39       | 326         | 210       | Vertical |
| 3   | 5711.8184       | 41.05          | 33.28     | -16.78      | 57.55          | 108.61         | 51.06       | 326         | 210       | Vertical |
| 4   | 5723.3617       | 42.29          | 33.31     | -16.71      | 58.90          | 118.57         | 59.67       | 326         | 210       | Vertical |
| 5   | 5851.3132       | 40.17          | 33.72     | -16.30      | 57.60          | 119.31         | 61.71       | 326         | 210       | Vertical |
| 6   | 5864.4822       | 39.83          | 33.77     | -16.32      | 57.27          | 108.24         | 50.97       | 326         | 210       | Vertical |
| 7   | 5902.0385       | 39.95          | 33.89     | -16.39      | 57.44          | 85.25          | 27.81       | 326         | 210       | Vertical |
| 8   | 5940.0825       | 39.72          | 34.01     | -16.45      | 57.28          | 68.30          | 11.02       | 326         | 210       | Vertical |

## Remark:

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

Level = Reading Level(dBμV) + AF(dB/m) + Factor(dB):

Factor = Cable Factor(dB) - Preamplifier gain(dB)

AF = Antenna Factor(dB/m)

Margin = Limit(dBμV/m) – Level(dBμV/m)

I

---End of Report---



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