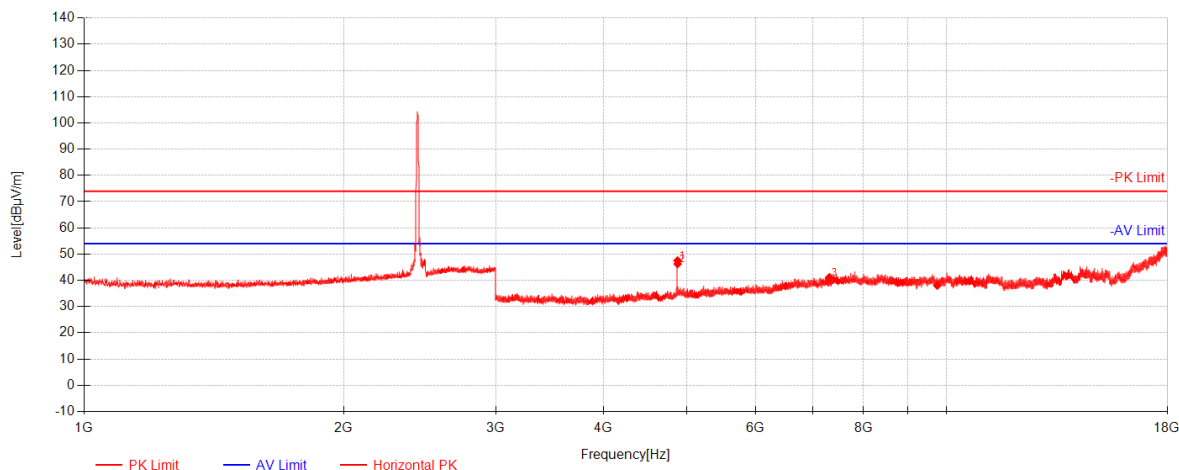


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### 802.11b\_Channel 06



| 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         | 4874.0000       | 61.94          | 31.12     | -45.53      | 47.53          | 74.00          | 26.47       | 215         | 138       | Horizontal |
| 2         | 4874.5          | 60.67          | 31.12     | -45.53      | 46.26          | 54.00          | 7.74        | 148         | 166       | Horizontal |
| 3         | 7311.0000       | 48.81          | 36.07     | -43.71      | 41.17          | 74.00          | 32.83       | 175         | 278       | Horizontal |
| 4         | 9748.0000       | 39.76          | 37.72     | -39.46      | 38.02          | 74.00          | 35.98       | 163         | 249       | Horizontal |



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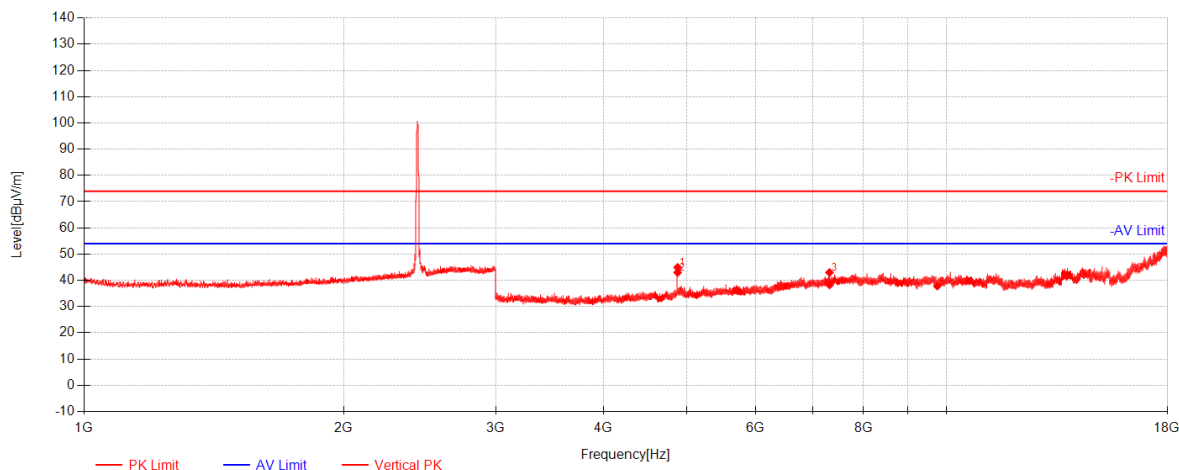
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Rev.: 01

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## 802.11b\_Channel 06



## 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   | 4874.0000       | 59.35          | 31.12     | -45.53      | 44.94          | 74.00          | 29.06       | 211         | 80        | Vertical |
| 2   | 4874.5          | 57.40          | 31.12     | -45.53      | 42.99          | 54.00          | 11.01       | 142         | 80        | Vertical |
| 3   | 7311.0000       | 50.62          | 36.07     | -43.71      | 42.98          | 74.00          | 31.02       | 136         | 233       | Vertical |
| 4   | 7313            | 45.89          | 36.08     | -43.71      | 38.26          | 54.00          | 15.74       | 256         | 262       | Vertical |
| 5   | 9748.0000       | 39.53          | 37.72     | -39.46      | 37.79          | 74.00          | 36.21       | 145         | 0         | Vertical |



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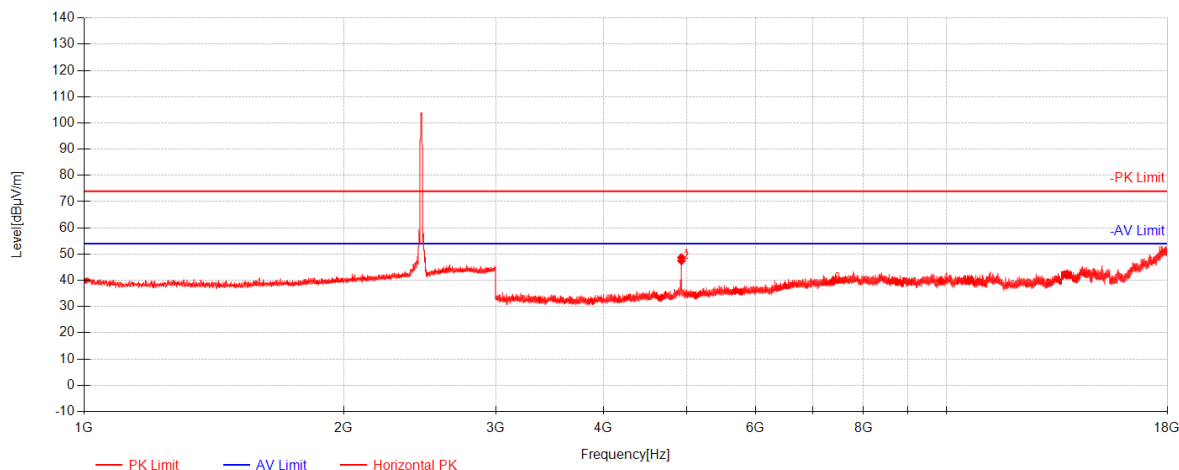
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## 802.11b\_Channel 11



## 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   | 4924.0000       | 63.02          | 31.23     | -45.56      | 48.70          | 74.00          | 25.30       | 288         | 168       | Horizontal |
| 2   | 4924.5          | 61.77          | 31.23     | -45.56      | 47.45          | 54.00          | 6.55        | 142         | 168       | Horizontal |
| 3   | 7386.0000       | 46.68          | 36.28     | -43.46      | 39.50          | 74.00          | 34.50       | 163         | 23        | Horizontal |
| 4   | 9848.0000       | 41.20          | 37.91     | -39.41      | 39.70          | 74.00          | 34.30       | 251         | 306       | Horizontal |



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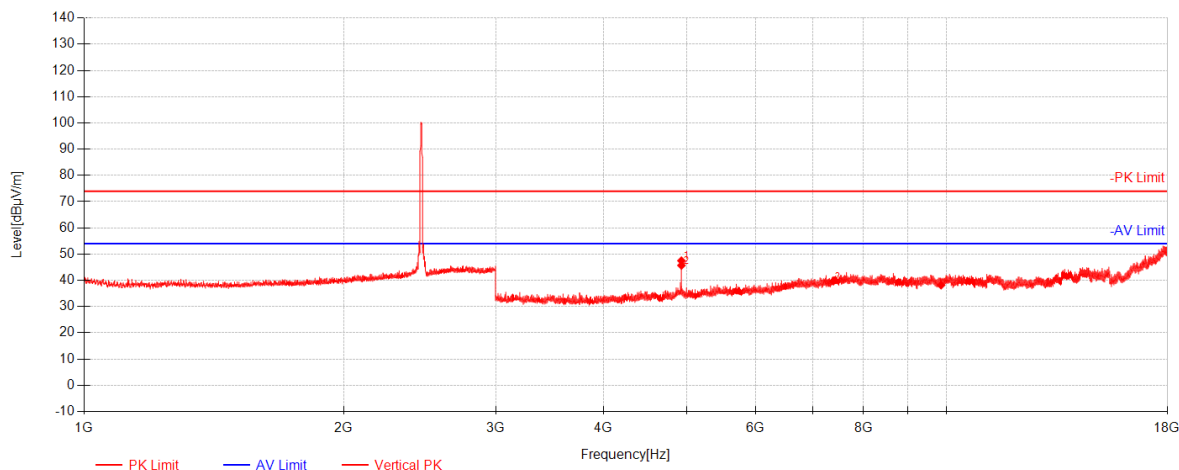
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### 802.11b\_Channel 11



| 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         | 4924.0000       | 61.82          | 31.23     | -45.56      | 47.50          | 74.00          | 26.50       | 248         | 48        | Vertical |
| 2         | 4924.5          | 60.02          | 31.23     | -45.56      | 45.70          | 54.00          | 8.30        | 156         | 74        | Vertical |
| 3         | 7386.0000       | 46.87          | 36.28     | -43.46      | 39.69          | 74.00          | 34.31       | 136         | 1         | Vertical |
| 4         | 9848.0000       | 39.67          | 37.91     | -39.41      | 38.17          | 74.00          | 35.83       | 251         | 193       | Vertical |



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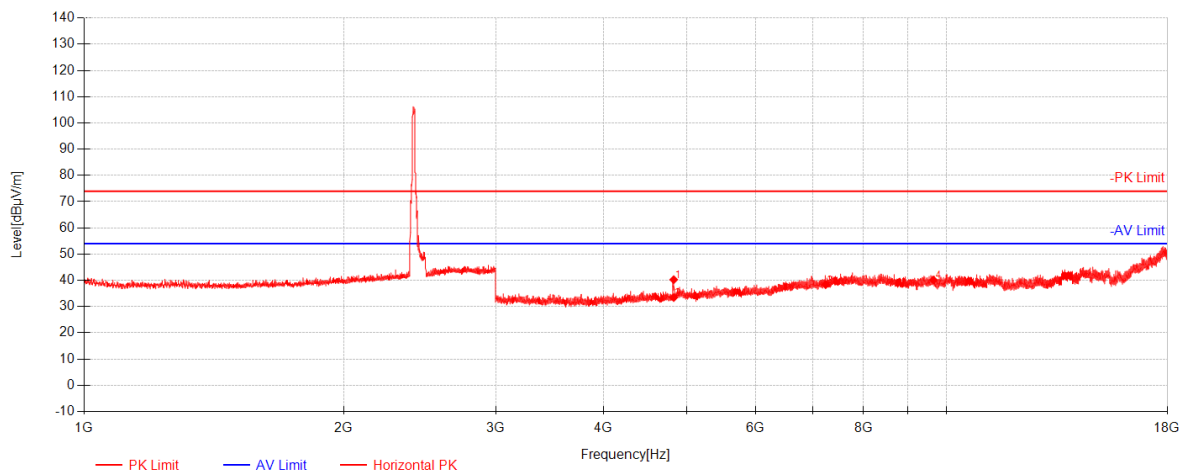
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### 802.11g\_Channel 01



| 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         | 4824.0000       | 54.78          | 31.01     | -45.54      | 40.26          | 74.00          | 33.74       | 248         | 110       | Horizontal |
| 2         | 4824            | 47.96          | 31.01     | -45.54      | 33.44          | 54.00          | 20.56       | 156         | 110       | Horizontal |
| 3         | 7236.0000       | 46.01          | 35.86     | -43.54      | 38.33          | 74.00          | 35.67       | 136         | 251       | Horizontal |
| 4         | 9648.0000       | 42.16          | 37.53     | -39.56      | 40.13          | 74.00          | 33.87       | 251         | 360       | Horizontal |



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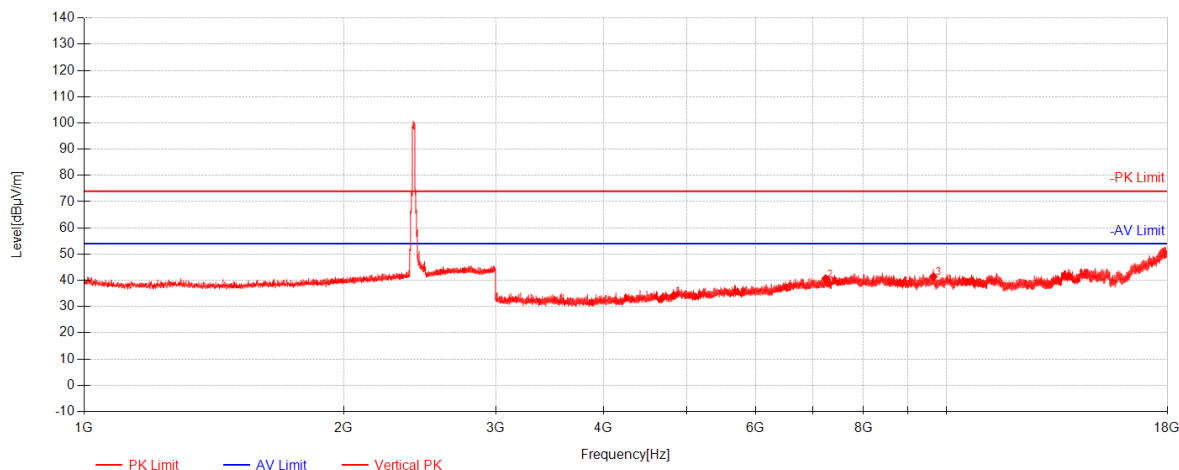
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### 802.11g\_Channel 01



| 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         | 4824.0000       | 48.68          | 31.01     | -45.54      | 34.16          | 74.00          | 39.84       | 163         | 335       | Vertical |
| 2         | 7236.0000       | 48.35          | 35.86     | -43.54      | 40.67          | 74.00          | 33.33       | 251         | 279       | Vertical |
| 3         | 9648.0000       | 43.46          | 37.53     | -39.56      | 41.43          | 74.00          | 32.57       | 144         | 111       | Vertical |



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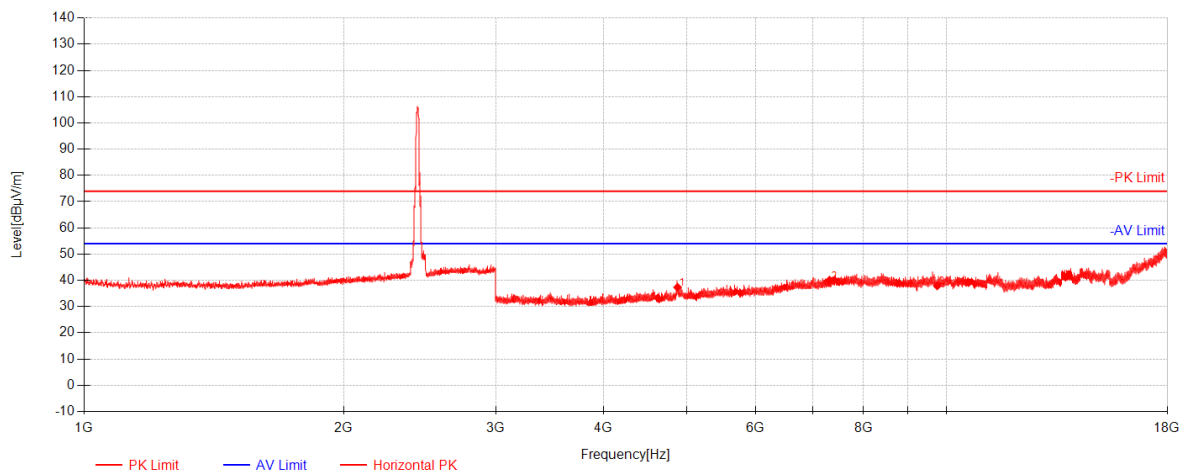
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### 802.11g\_Channel 06



### 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   | 4874.0000       | 51.77          | 31.12     | -45.53      | 37.36          | 74.00          | 36.64       | 174         | 194       | Horizontal |
| 2   | 7311.0000       | 47.69          | 36.07     | -43.71      | 40.05          | 74.00          | 33.95       | 156         | 307       | Horizontal |
| 3   | 9748.0000       | 39.63          | 37.72     | -39.46      | 37.89          | 74.00          | 36.11       | 199         | 222       | Horizontal |



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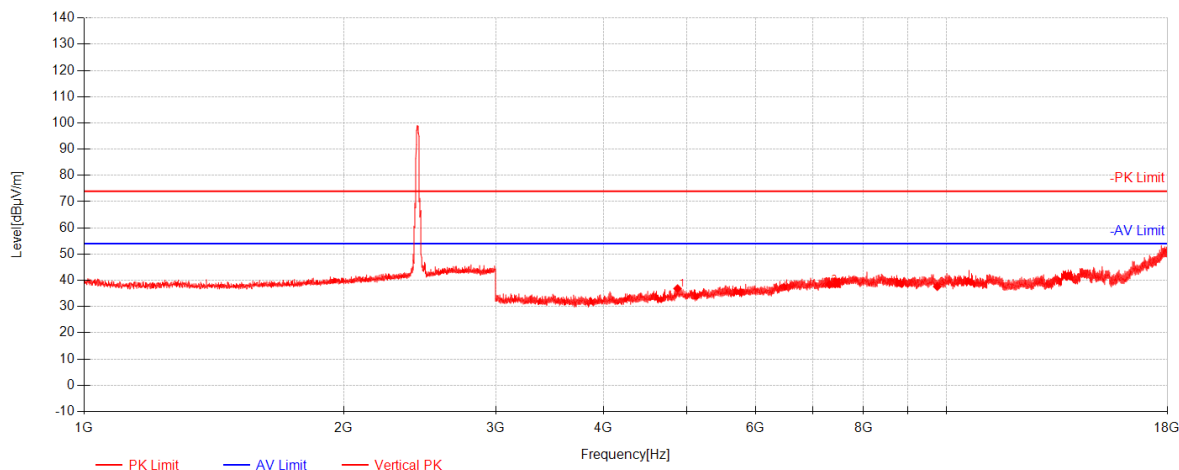
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## 802.11g\_Channel 06



## 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   | 4874.0000       | 51.27          | 31.12     | -45.53      | 36.86          | 74.00          | 37.14       | 178         | 112       | Vertical |
| 2   | 7311.0000       | 46.10          | 36.07     | -43.71      | 38.46          | 74.00          | 35.54       | 112         | 54        | Vertical |
| 3   | 9748.0000       | 39.36          | 37.72     | -39.46      | 37.62          | 74.00          | 36.38       | 156         | 354       | Vertical |



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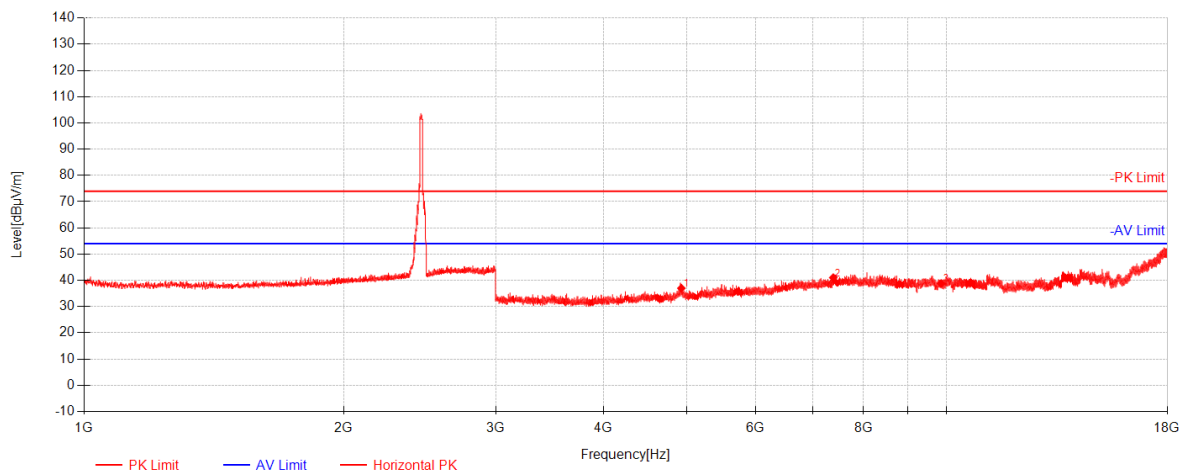
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### 802.11g\_Channel 11



| 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         | 4924.0000       | 51.32          | 31.23     | -45.56      | 37.00          | 74.00          | 37.00       | 254         | 136       | Horizontal |
| 2         | 7386.0000       | 48.20          | 36.28     | -43.46      | 41.02          | 74.00          | 32.98       | 153         | 334       | Horizontal |
| 3         | 9848.0000       | 40.29          | 37.91     | -39.41      | 38.79          | 74.00          | 35.21       | 261         | 247       | Horizontal |



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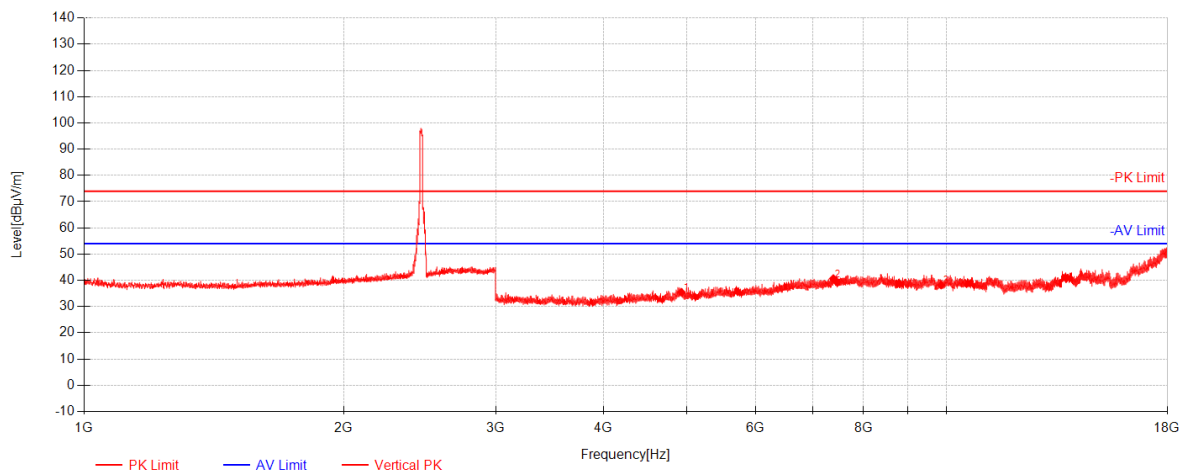
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### 802.11g\_Channel 11



| 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         | 4924.0000       | 49.79          | 31.23     | -45.56      | 35.47          | 74.00          | 38.53       | 248         | 170       | Vertical |
| 2         | 7386.0000       | 47.87          | 36.28     | -43.46      | 40.69          | 74.00          | 33.31       | 178         | 141       | Vertical |
| 3         | 9848.0000       | 39.71          | 37.91     | -39.41      | 38.21          | 74.00          | 35.79       | 186         | 198       | Vertical |



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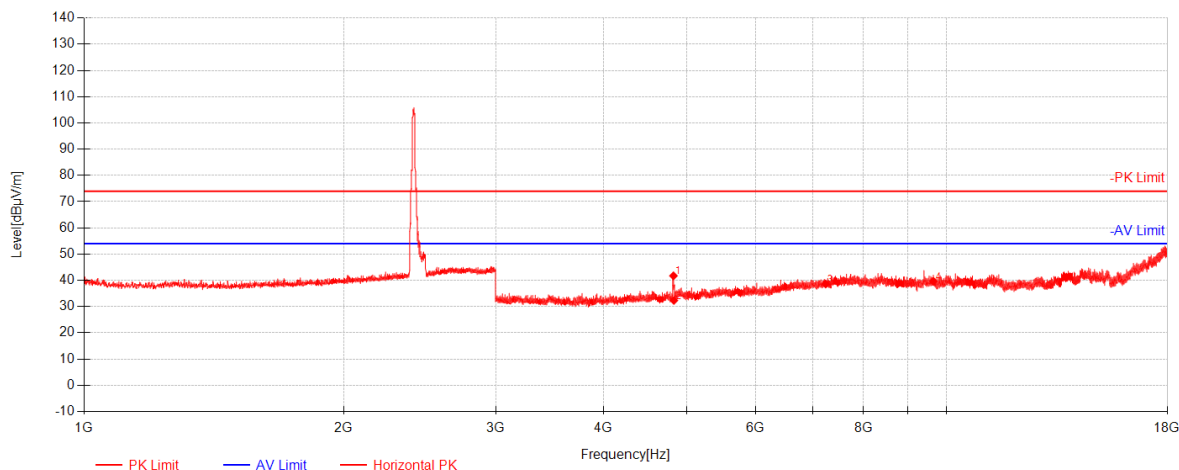
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### 802.11n20\_Channel 01



| 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         | 4821            | 56.26          | 31.01     | -45.54      | 41.73          | 74.00          | 32.27       | 215         | 104       | Horizontal |
| 2         | 4826            | 46.85          | 31.02     | -45.54      | 32.33          | 54.00          | 21.67       | 147         | 104       | Horizontal |
| 3         | 7236.0000       | 46.29          | 35.86     | -43.54      | 38.61          | 74.00          | 35.39       | 186         | 78        | Horizontal |
| 4         | 9648.0000       | 41.65          | 37.53     | -39.56      | 39.62          | 74.00          | 34.38       | 136         | 104       | Horizontal |



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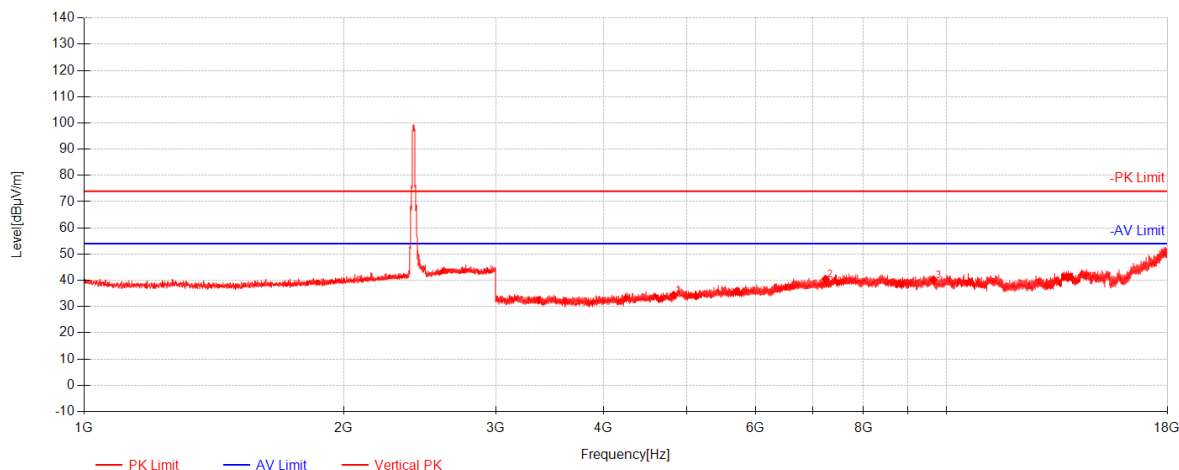
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### 802.11n20\_Channel 01



| 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         | 4824.0000       | 48.91          | 31.01     | -45.54      | 34.39          | 74.00          | 39.61       | 244         | 23        | Vertical |
| 2         | 7236.0000       | 48.17          | 35.86     | -43.54      | 40.49          | 74.00          | 33.51       | 178         | 220       | Vertical |
| 3         | 9648.0000       | 42.29          | 37.53     | -39.56      | 40.26          | 74.00          | 33.74       | 111         | 23        | Vertical |



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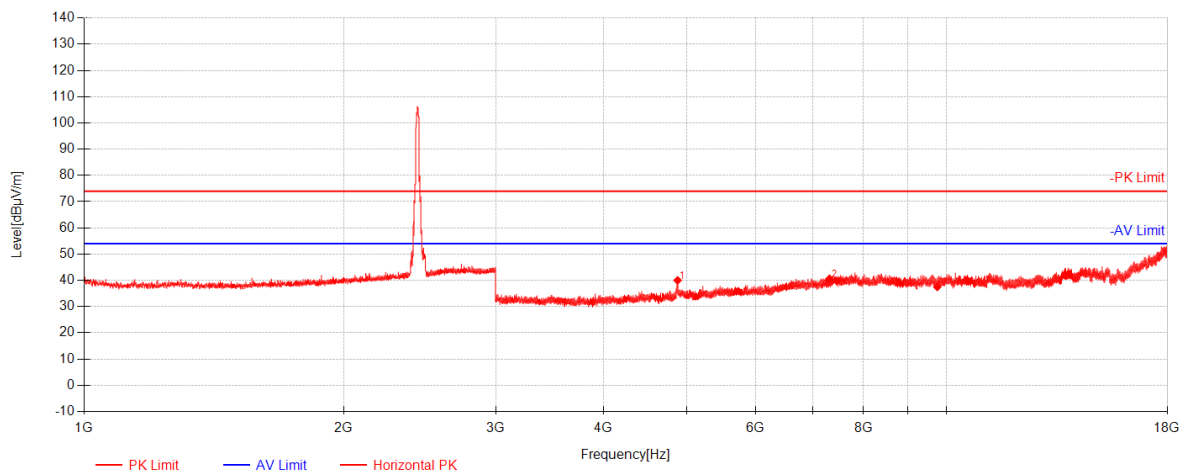
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### 802.11n20\_Channel 06



### 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   | 4874.5          | 54.41          | 31.12     | -45.53      | 40.00          | 74.00          | 34.00       | 254         | 138       | Horizontal |
| 2   | 7311.0000       | 48.23          | 36.07     | -43.71      | 40.59          | 74.00          | 33.41       | 163         | 52        | Horizontal |
| 3   | 9748.0000       | 39.22          | 37.72     | -39.46      | 37.48          | 74.00          | 36.52       | 259         | 52        | Horizontal |



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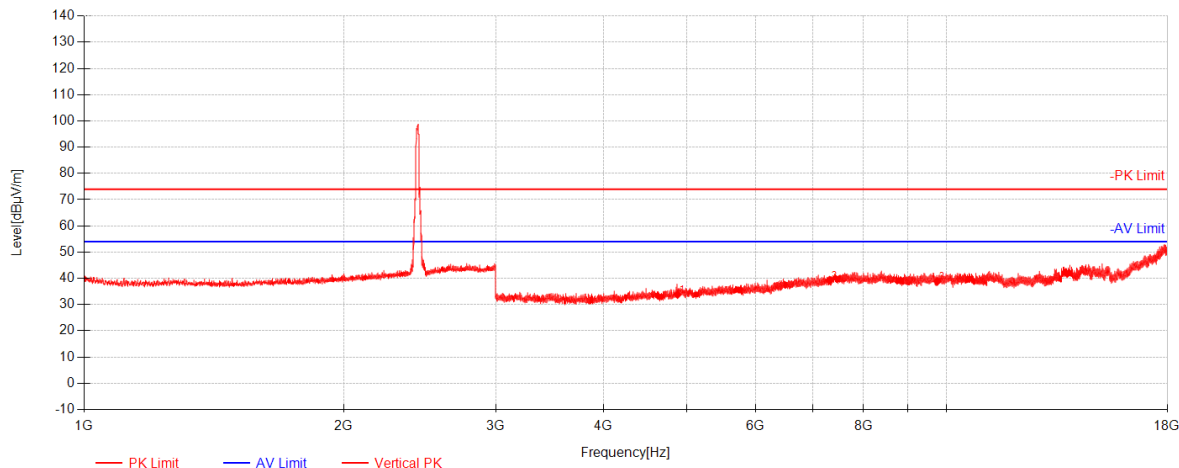
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### 802.11n20\_Channel 06



| 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         | 4874.0000       | 48.22          | 31.12     | -45.53      | 33.81          | 74.00          | 40.19       | 156         | 166       | Vertical |
| 2         | 7311.0000       | 46.92          | 36.07     | -43.71      | 39.28          | 74.00          | 34.72       | 188         | 6         | Vertical |
| 3         | 9748.0000       | 40.61          | 37.72     | -39.46      | 38.87          | 74.00          | 35.13       | 176         | 0         | Vertical |



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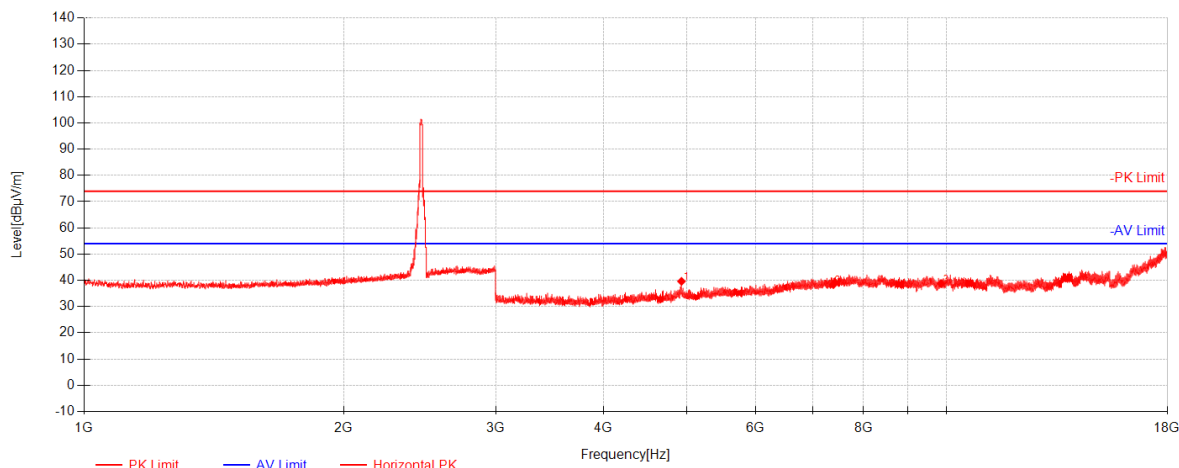
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### 802.11n20\_Channel 11



### 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   | 4925.5          | 53.94          | 31.24     | -45.56      | 39.62          | 74.00          | 34.38       | 248         | 164       | Horizontal |
| 2   | 7386.0000       | 45.52          | 36.28     | -43.46      | 38.34          | 74.00          | 35.66       | 179         | 250       | Horizontal |
| 3   | 9848.0000       | 40.25          | 37.91     | -39.41      | 38.75          | 74.00          | 35.25       | 152         | 0         | Horizontal |



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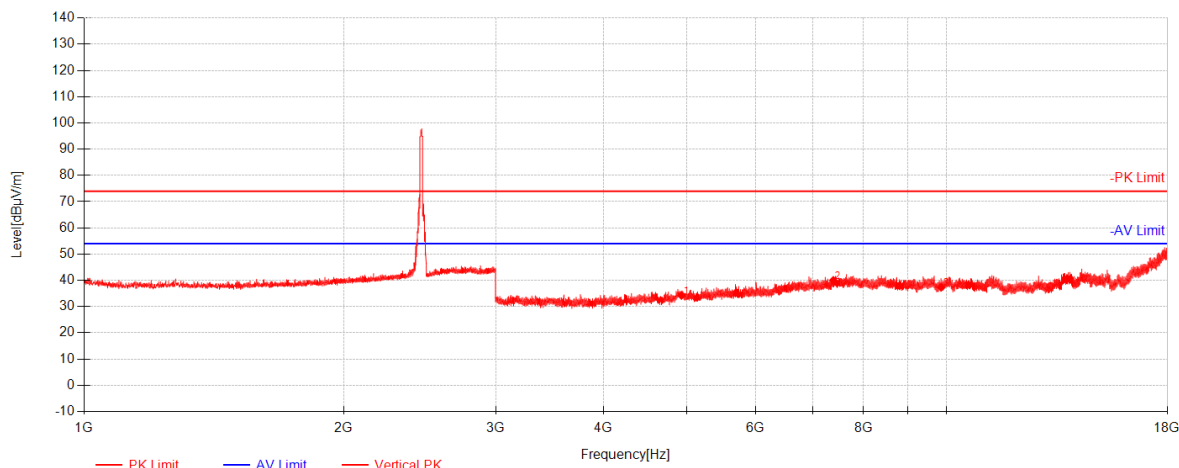
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### 802.11n20\_Channel 11



| 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         | 4924.0000       | 48.55          | 31.23     | -45.56      | 34.23          | 74.00          | 39.77       | 165         | 165       | Vertical |
| 2         | 7386.0000       | 47.19          | 36.28     | -43.46      | 40.01          | 74.00          | 33.99       | 185         | 357       | Vertical |
| 3         | 9848.0000       | 38.83          | 37.91     | -39.41      | 37.33          | 74.00          | 36.67       | 172         | 357       | Vertical |



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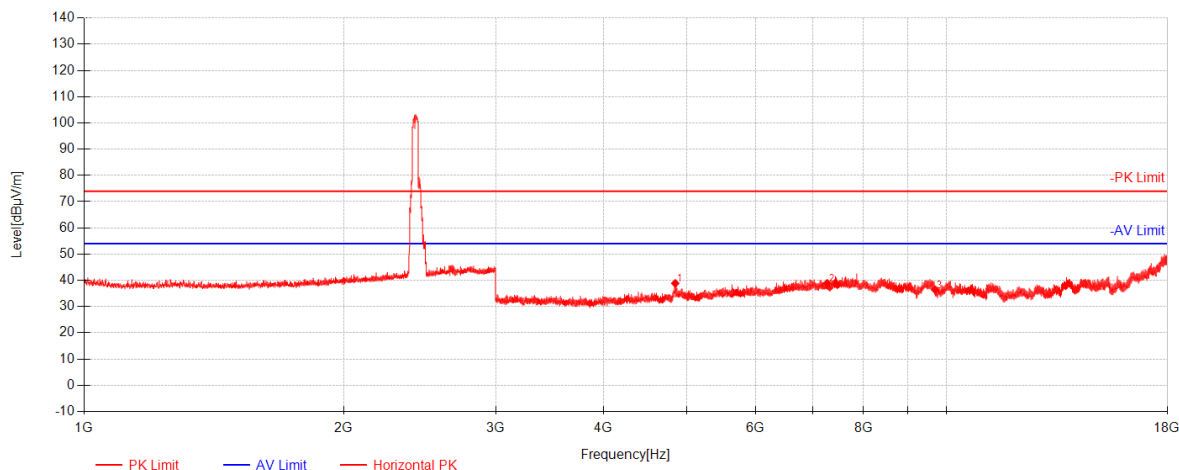
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### 802.11n40\_Channel 03



| 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         | 4844.0000       | 53.34          | 31.06     | -45.54      | 38.86          | 74.00          | 35.14       | 248         | 170       | Horizontal |
| 2         | 7266.0000       | 46.56          | 35.94     | -43.64      | 38.87          | 74.00          | 35.13       | 179         | 170       | Horizontal |
| 3         | 9688.0000       | 38.33          | 37.61     | -39.47      | 36.47          | 74.00          | 37.53       | 155         | 108       | Horizontal |



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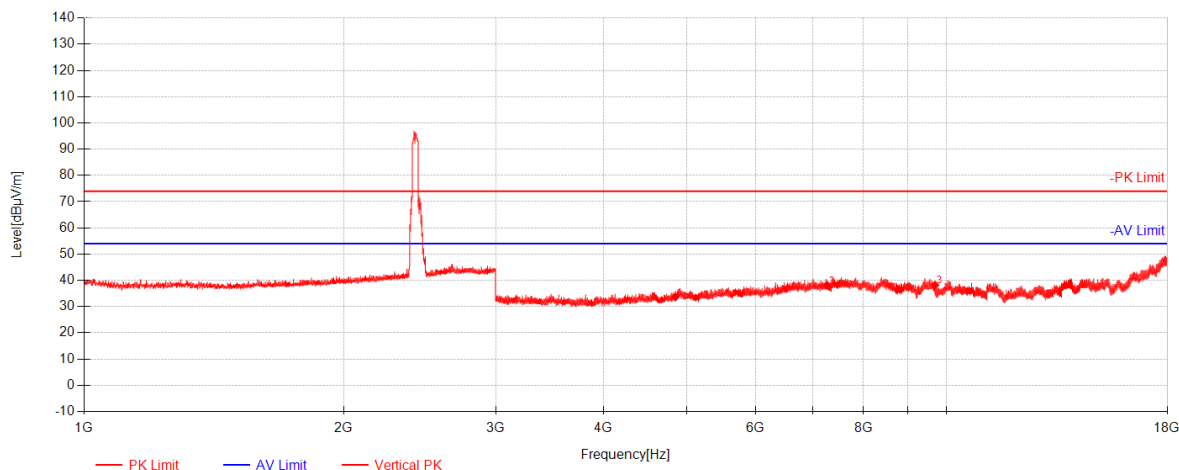
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### 802.11n40\_Channel 03



### 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   | 4844.0000       | 48.10          | 31.06     | -45.54      | 33.62          | 74.00          | 40.38       | 148         | 211       | Vertical |
| 2   | 7266.0000       | 45.74          | 35.94     | -43.64      | 38.05          | 74.00          | 35.95       | 165         | 191       | Vertical |
| 3   | 9688.0000       | 40.03          | 37.61     | -39.47      | 38.17          | 74.00          | 35.83       | 175         | 86        | Vertical |



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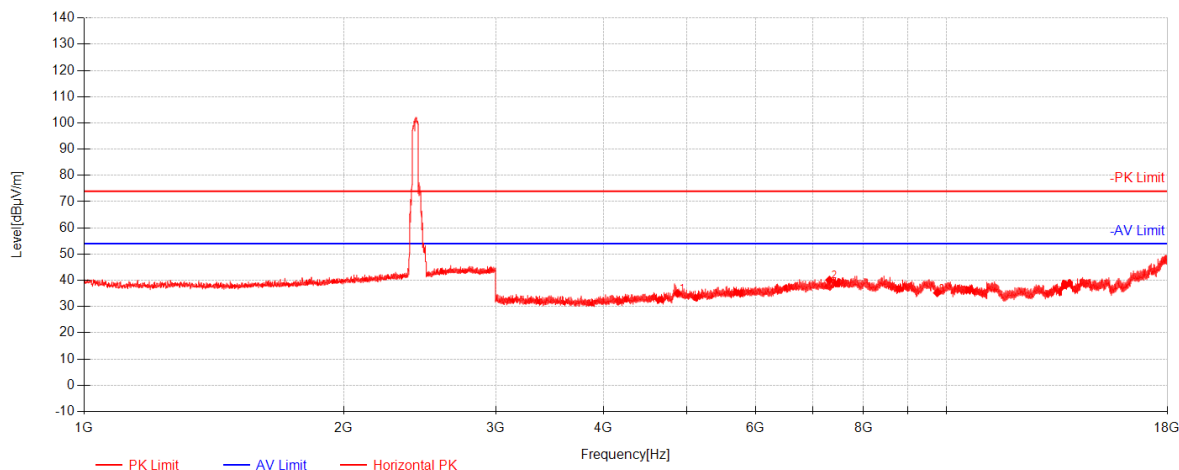
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### 802.11n40\_Channel 06



| 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         | 4874.0000       | 49.42          | 31.12     | -45.53      | 35.01          | 74.00          | 38.99       | 166         | 315       | Horizontal |
| 2         | 7311.0000       | 47.74          | 36.07     | -43.71      | 40.10          | 74.00          | 33.90       | 258         | 274       | Horizontal |
| 3         | 9748.0000       | 36.96          | 37.72     | -39.46      | 35.22          | 74.00          | 38.78       | 175         | 252       | Horizontal |



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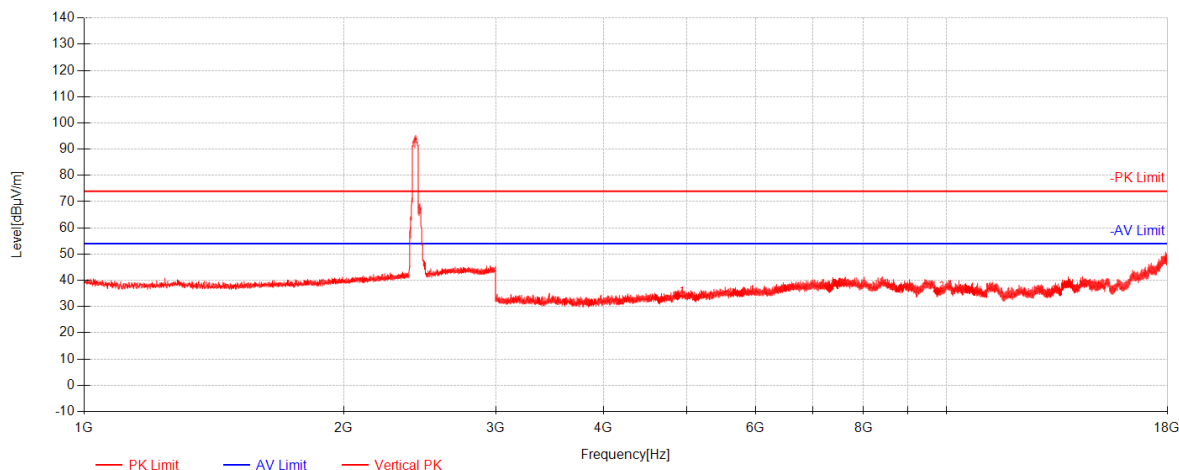
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### 802.11n40\_Channel 06



| 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         | 4874.0000       | 48.42          | 31.12     | -45.53      | 34.01          | 74.00          | 39.99       | 156         | 214       | Vertical |
| 2         | 7311.0000       | 44.52          | 36.07     | -43.71      | 36.88          | 74.00          | 37.12       | 148         | 66        | Vertical |
| 3         | 9748.0000       | 37.69          | 37.72     | -39.46      | 35.95          | 74.00          | 38.05       | 175         | 277       | Vertical |



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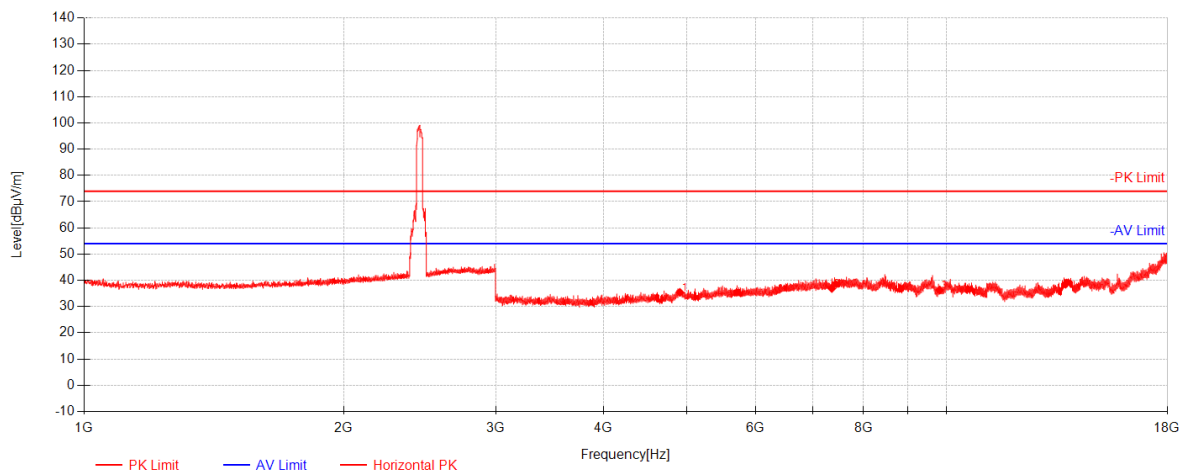
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### 802.11n40\_Channel 09



| 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         | 4904.0000       | 49.77          | 31.19     | -45.53      | 35.42          | 74.00          | 38.58       | 265         | 233       | Horizontal |
| 2         | 7356.0000       | 44.24          | 36.20     | -43.56      | 36.88          | 74.00          | 37.12       | 258         | 354       | Horizontal |
| 3         | 9808.0000       | 37.94          | 37.84     | -39.47      | 36.31          | 74.00          | 37.69       | 196         | 316       | Horizontal |



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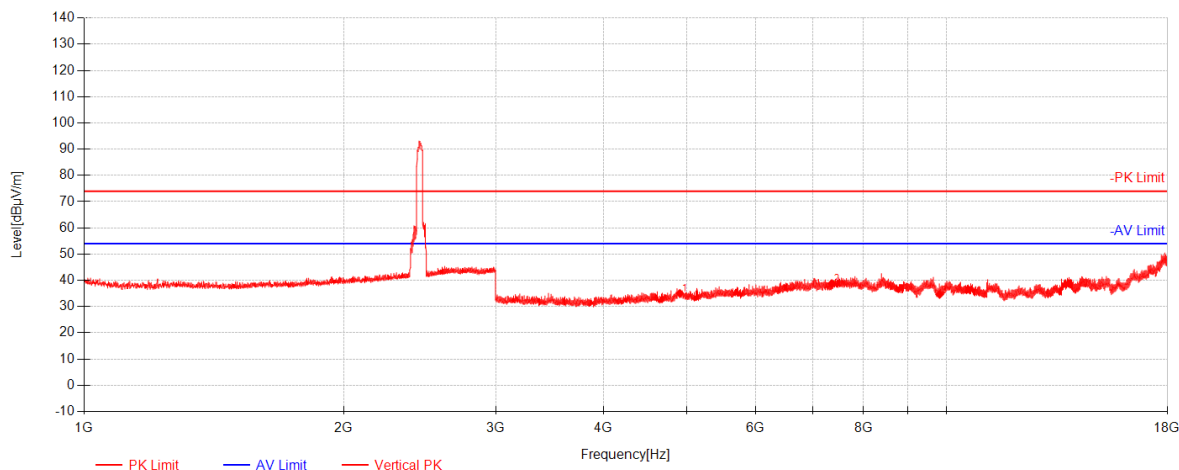
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## 802.11n40\_Channel 09



## 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   | 4904.0000       | 49.40          | 31.19     | -45.53      | 35.05          | 74.00          | 38.95       | 265         | 108       | Vertical |
| 2   | 7356.0000       | 46.16          | 36.20     | -43.56      | 38.80          | 74.00          | 35.20       | 188         | 45        | Vertical |
| 3   | 9808.0000       | 36.22          | 37.84     | -39.47      | 34.59          | 74.00          | 39.41       | 147         | 359       | Vertical |

## Remark:

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

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

AF = Antenna Factor(dB/m)

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

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

- 2) All channels have been tested, but only the worst case data displayed in this report.  
3) Both peak and average measured complies with the limit line, so test result is "PASS"



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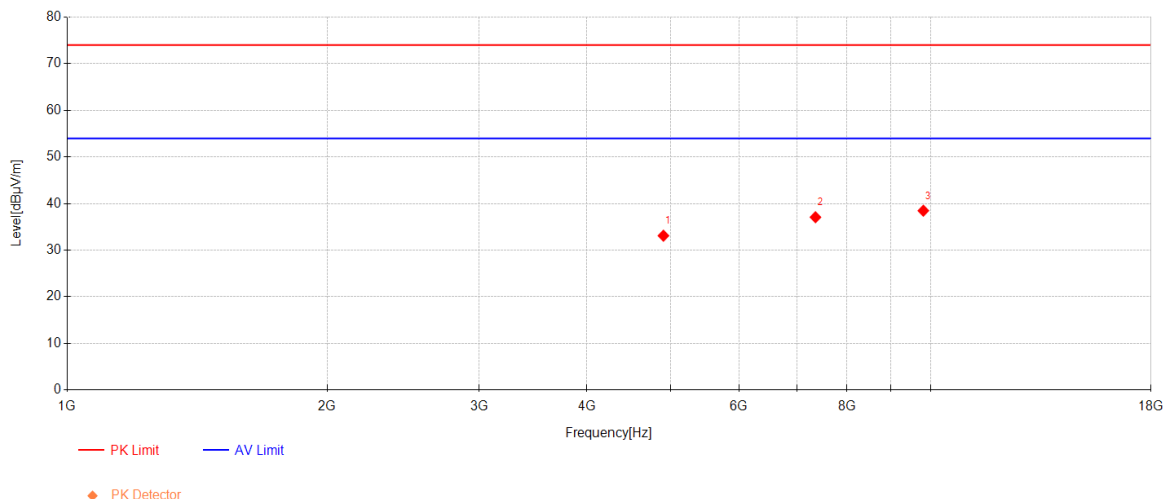
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### Test on the worst case:

#### 802.11n40\_Channel 09



#### Data List

| NO. | Frequency [MHz] | Reading [dBμV] | AF [dB/m] | Factor [dB] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Polarity   |
|-----|-----------------|----------------|-----------|-------------|----------------|----------------|-------------|------------|
| 1   | 4904            | 41.32          | 32.99     | -41.21      | 33.10          | 74.00          | 40.90       | Horizontal |
| 2   | 7356            | 38.29          | 36.43     | -37.66      | 37.06          | 74.00          | 36.94       | Horizontal |
| 3   | 9808            | 33.68          | 37.84     | -33.06      | 38.46          | 74.00          | 35.54       | Horizontal |



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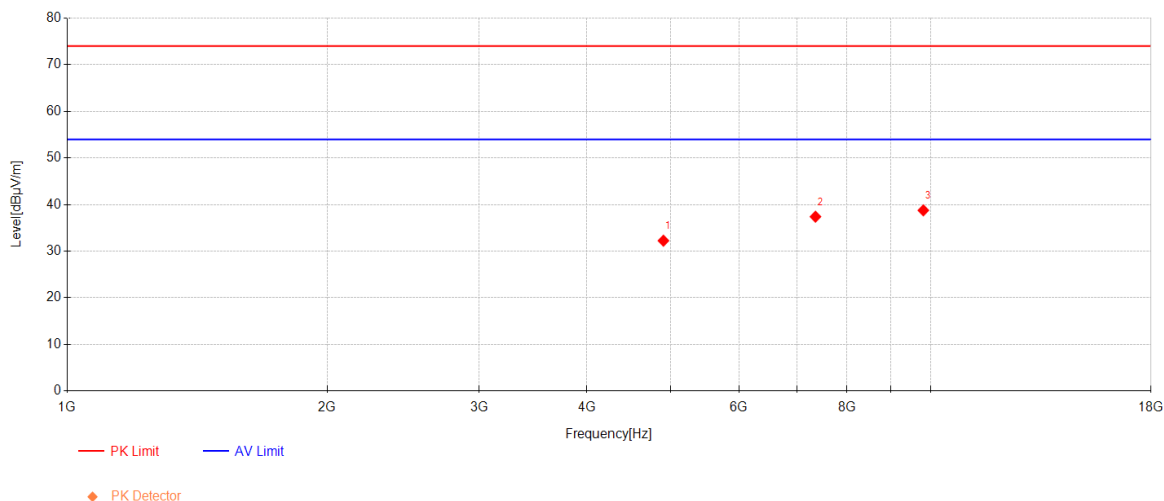
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## 802.11n40\_Channel 09



| Data List |                 |                |           |             |                |                |             |          |
|-----------|-----------------|----------------|-----------|-------------|----------------|----------------|-------------|----------|
| NO.       | Frequency [MHz] | Reading [dBμV] | AF [dB/m] | Factor [dB] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Polarity |
| 1         | 4904            | 40.46          | 32.99     | -41.21      | 32.24          | 74.00          | 41.76       | Vertical |
| 2         | 7356            | 38.62          | 36.43     | -37.66      | 37.39          | 74.00          | 36.61       | Vertical |
| 3         | 9808            | 33.98          | 37.84     | -33.06      | 38.76          | 74.00          | 35.24       | Vertical |

### Remark:

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

$$\text{Level} = \text{Reading}(\text{dB}\mu\text{V}) + \text{AF}(\text{dB/m}) + \text{Factor}(\text{dB})$$

$$\text{AF} = \text{Antenna Factor}(\text{dB/m})$$

$$\text{Factor} = \text{Cable Factor}(\text{dB}) - \text{Preamplifier gain}(\text{dB})$$

$$\text{Margin} = \text{Limit}(\text{dB}\mu\text{V/m}) - \text{Level}(\text{dB}\mu\text{V/m})$$
- Both peak and average measured complies with the limit line, so test result is "PASS"



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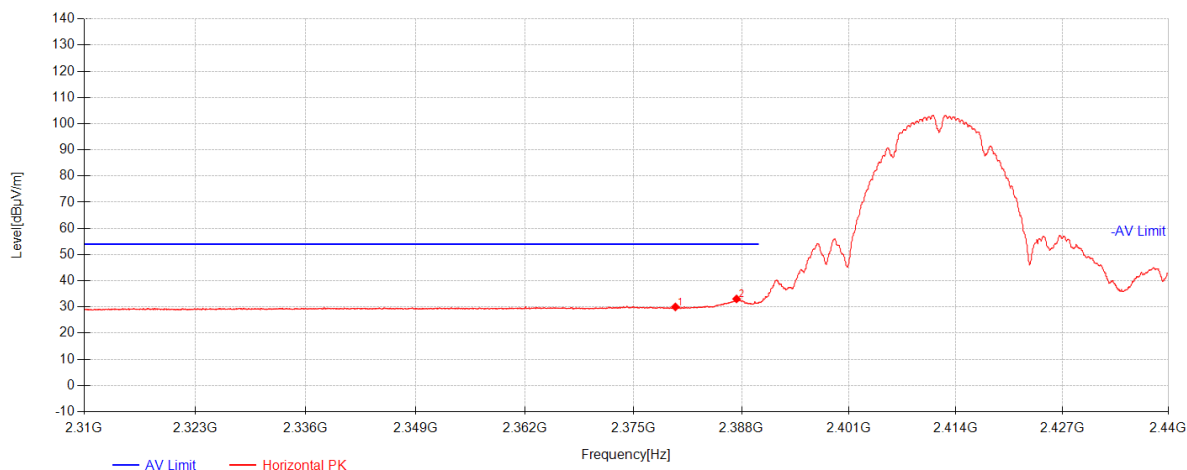
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### Restricted bands around fundamental frequency

#### 802.11b\_Channel 01



#### 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   | 2380.0267       | 26.62          | 26.96     | -23.57      | 30.01          | 54.00          | 23.99       | 137         | 49        | Horizontal |
| 2   | 2387.3933       | 29.67          | 26.98     | -23.57      | 33.08          | 54.00          | 20.92       | 137         | 49        | Horizontal |



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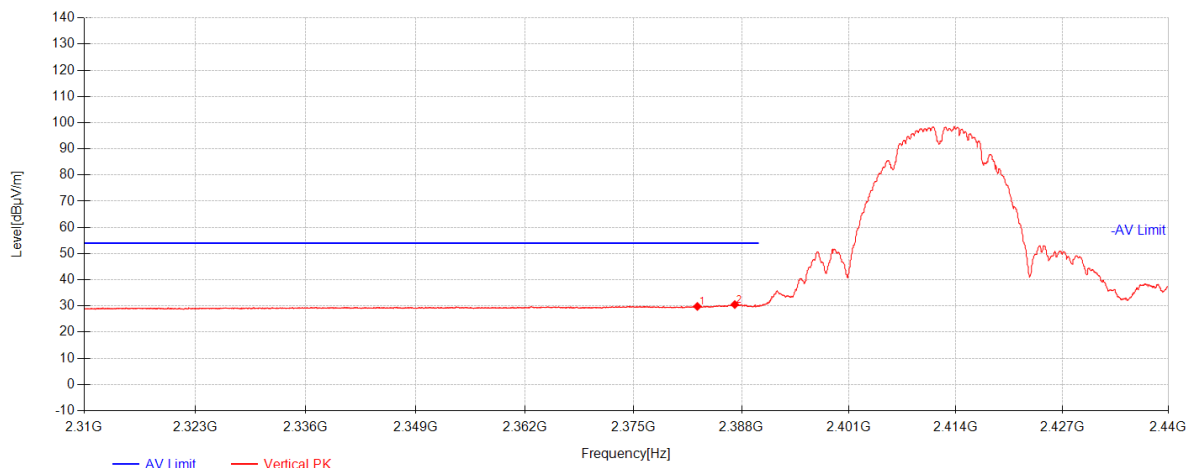
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### 802.11b\_Channel 01



| 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         | 2382.67         | 26.42          | 26.97     | -23.57      | 29.82          | 54.00          | 24.18       | 203         | 175       | Vertical |
| 2         | 2387.1767       | 27.13          | 26.98     | -23.57      | 30.54          | 54.00          | 23.46       | 203         | 175       | Vertical |



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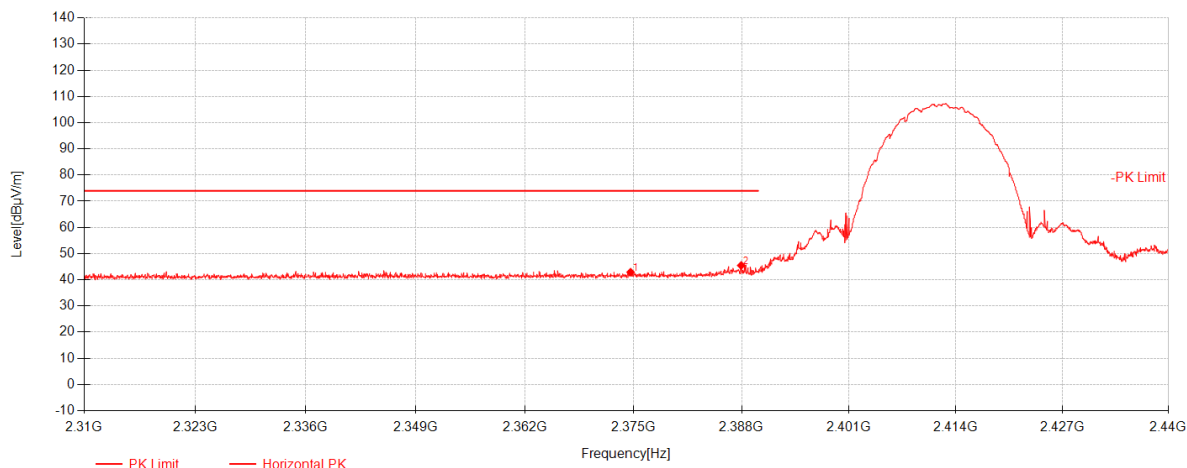
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### 802.11b\_Channel 01



| 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         | 2374.6533       | 39.51          | 26.95     | -23.57      | 42.89          | 74.00          | 31.11       | 137         | 49        | Horizontal |
| 2         | 2387.9567       | 42.06          | 26.99     | -23.57      | 45.48          | 74.00          | 28.52       | 137         | 49        | Horizontal |



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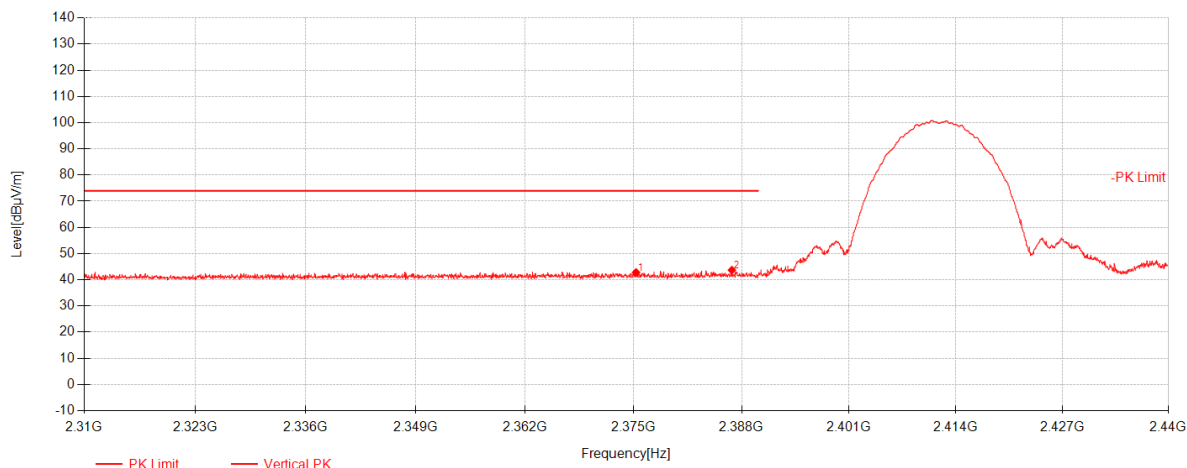
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| Data List |                 |                |           |             |                |                |             |             |           |          |
|-----------|-----------------|----------------|-----------|-------------|----------------|----------------|-------------|-------------|-----------|----------|
| NO.       | Frequency [MHz] | Reading [dBμV] | AF [dB/m] | Factor [dB] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Height [cm] | Angle [°] | Polarity |
| 1         | 2375.3033       | 39.44          | 26.95     | -23.57      | 42.82          | 74.00          | 31.18       | 203         | 175       | Vertical |
| 2         | 2386.83         | 40.28          | 26.98     | -23.57      | 43.69          | 74.00          | 30.31       | 203         | 175       | Vertical |



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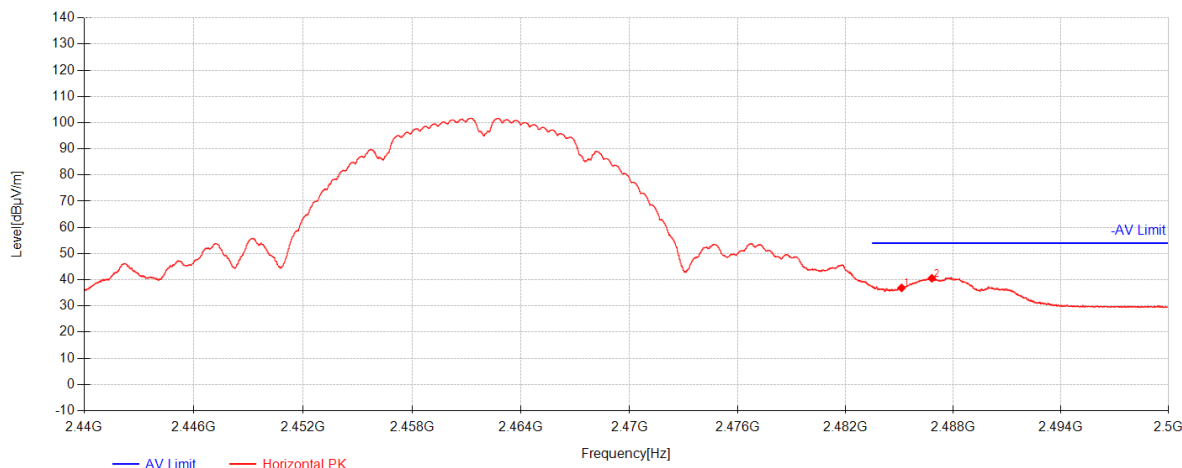
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### 802.11b\_Channel 11



| 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         | 2485.1125       | 33.18          | 27.26     | -23.54      | 36.89          | 54.00          | 17.11       | 188         | 46        | Horizontal |
| 2         | 2486.8          | 36.86          | 27.26     | -23.54      | 40.58          | 54.00          | 13.42       | 188         | 46        | Horizontal |



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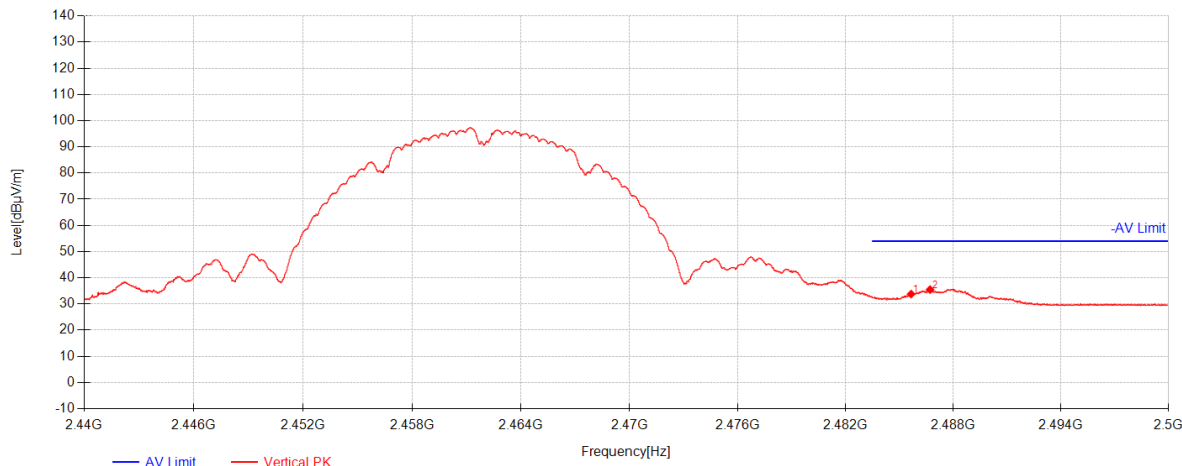
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### Data List

| NO. | Frequency [MHz] | Reading [dBμV] | AF [dB/m] | Factor [dB] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Height [cm] | Angle [°] | Polarity |
|-----|-----------------|----------------|-----------|-------------|----------------|----------------|-------------|-------------|-----------|----------|
| 1   | 2485.645        | 30.06          | 27.26     | -23.54      | 33.78          | 54.00          | 20.22       | 215         | 192       | Vertical |
| 2   | 2486.7025       | 31.77          | 27.26     | -23.54      | 35.49          | 54.00          | 18.51       | 215         | 192       | Vertical |



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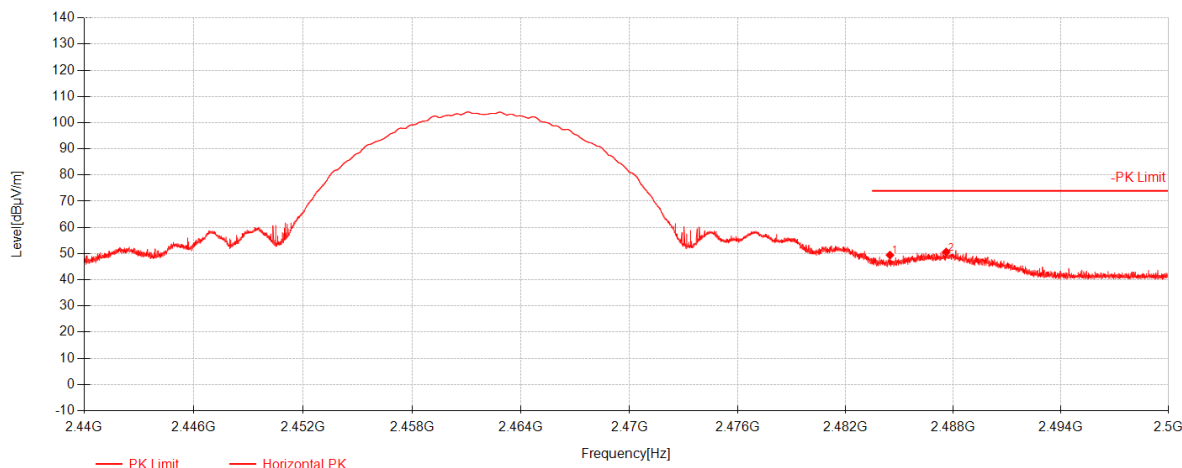
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| Data List |                 |                |           |             |                |                |             |             |           |            |
|-----------|-----------------|----------------|-----------|-------------|----------------|----------------|-------------|-------------|-----------|------------|
| NO.       | Frequency [MHz] | Reading [dBμV] | AF [dB/m] | Factor [dB] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Height [cm] | Angle [°] | Polarity   |
| 1         | 2484.4675       | 45.72          | 27.26     | -23.54      | 49.43          | 74.00          | 24.57       | 188         | 46        | Horizontal |
| 2         | 2487.6025       | 46.91          | 27.27     | -23.54      | 50.63          | 74.00          | 23.37       | 188         | 46        | Horizontal |



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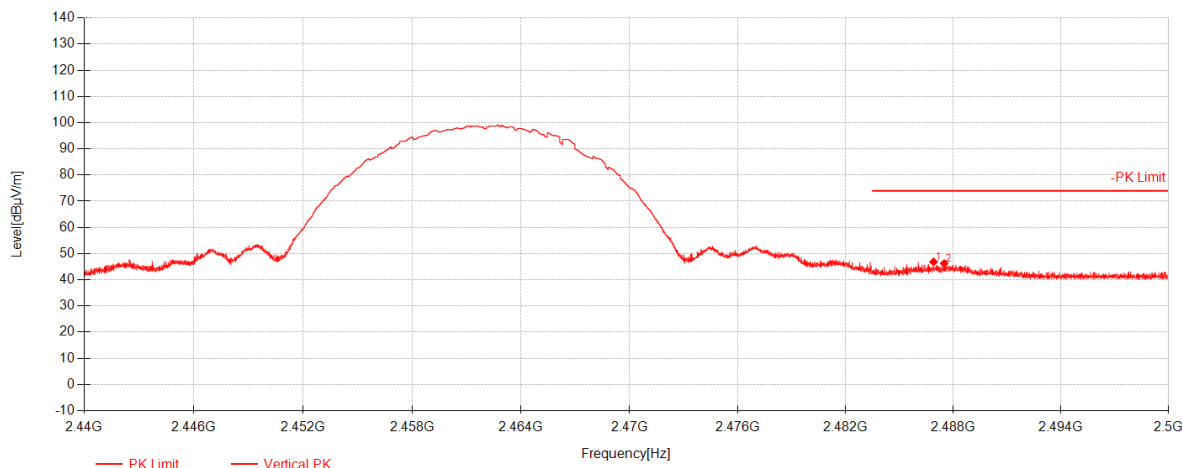
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### Data List

| NO. | Frequency [MHz] | Reading [dBμV] | AF [dB/m] | Factor [dB] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Height [cm] | Angle [°] | Polarity |
|-----|-----------------|----------------|-----------|-------------|----------------|----------------|-------------|-------------|-----------|----------|
| 1   | 2486.8975       | 43.09          | 27.26     | -23.54      | 46.81          | 74.00          | 27.19       | 215         | 192       | Vertical |
| 2   | 2487.49         | 42.51          | 27.26     | -23.54      | 46.23          | 74.00          | 27.77       | 215         | 192       | Vertical |



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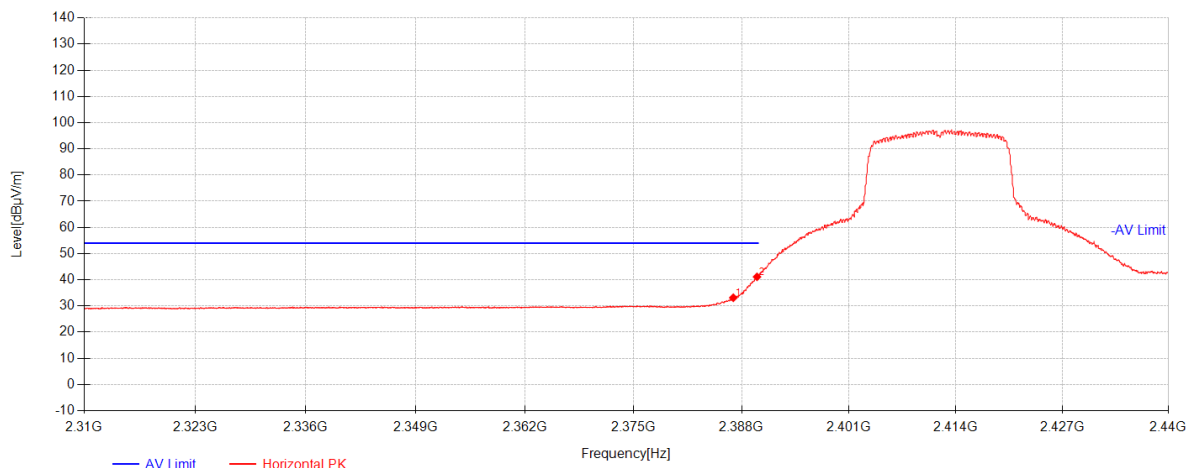
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| Data List |                 |                |           |             |                |                |             |             |           |            |
|-----------|-----------------|----------------|-----------|-------------|----------------|----------------|-------------|-------------|-----------|------------|
| NO.       | Frequency [MHz] | Reading [dBμV] | AF [dB/m] | Factor [dB] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Height [cm] | Angle [°] | Polarity   |
| 1         | 2387.0033       | 29.73          | 26.98     | -23.57      | 33.14          | 54.00          | 20.86       | 177         | 124       | Horizontal |
| 2         | 2389.8633       | 37.71          | 26.99     | -23.57      | 41.13          | 54.00          | 12.87       | 177         | 124       | Horizontal |



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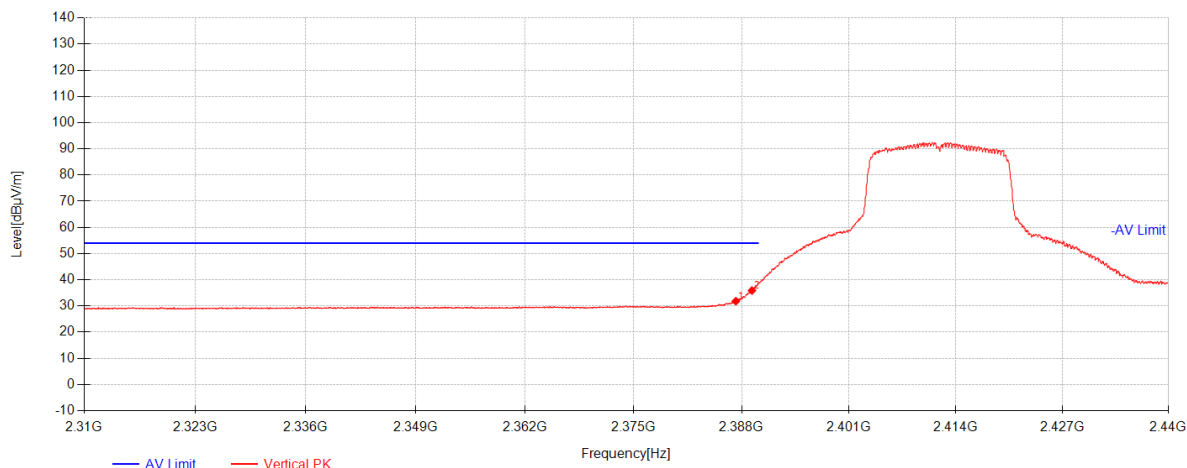
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### Data List

| NO. | Frequency [MHz] | Reading [dBμV] | AF [dB/m] | Factor [dB] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Height [cm] | Angle [°] | Polarity |
|-----|-----------------|----------------|-----------|-------------|----------------|----------------|-------------|-------------|-----------|----------|
| 1   | 2387.3067       | 28.41          | 26.98     | -23.57      | 31.82          | 54.00          | 22.18       | 123         | 357       | Vertical |
| 2   | 2389.2567       | 32.48          | 26.99     | -23.57      | 35.90          | 54.00          | 18.10       | 123         | 357       | Vertical |



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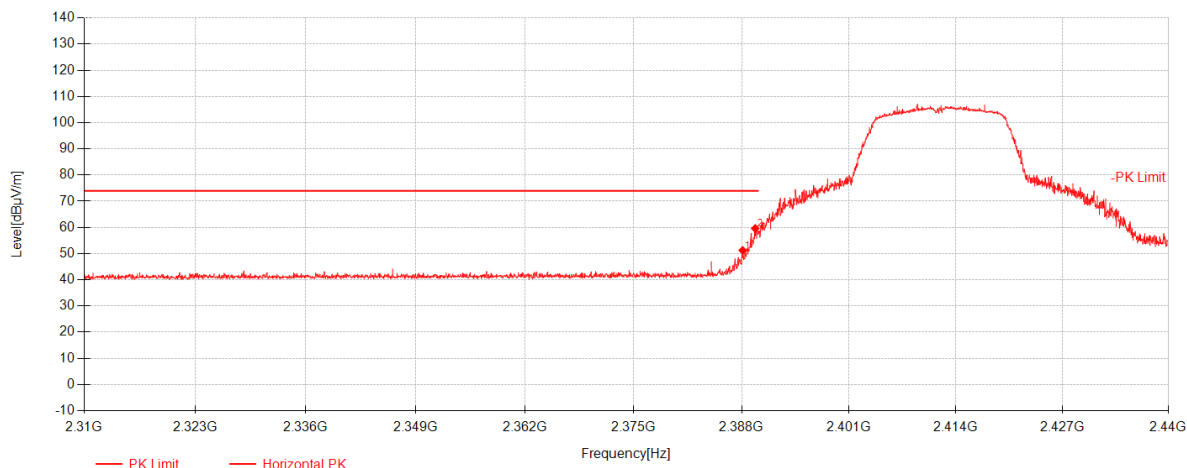
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| Data List |                 |                |           |             |                |                |             |             |           |            |
|-----------|-----------------|----------------|-----------|-------------|----------------|----------------|-------------|-------------|-----------|------------|
| NO.       | Frequency [MHz] | Reading [dBμV] | AF [dB/m] | Factor [dB] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Height [cm] | Angle [°] | Polarity   |
| 1         | 2388.13         | 47.82          | 26.99     | -23.57      | 51.24          | 74.00          | 22.76       | 177         | 124       | Horizontal |
| 2         | 2389.6467       | 56.21          | 26.99     | -23.57      | 59.63          | 74.00          | 14.37       | 177         | 124       | Horizontal |



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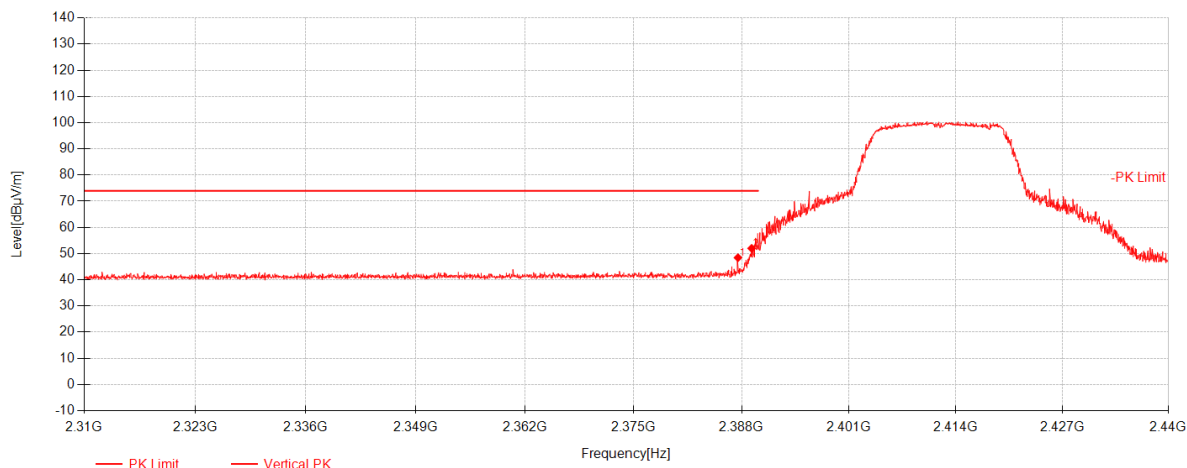
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| Data List |                 |                |           |             |                |                |             |             |           |          |
|-----------|-----------------|----------------|-----------|-------------|----------------|----------------|-------------|-------------|-----------|----------|
| NO.       | Frequency [MHz] | Reading [dBμV] | AF [dB/m] | Factor [dB] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Height [cm] | Angle [°] | Polarity |
| 1         | 2387.5667       | 45.02          | 26.99     | -23.57      | 48.43          | 74.00          | 25.57       | 123         | 357       | Vertical |
| 2         | 2389.2133       | 48.58          | 26.99     | -23.57      | 52.00          | 74.00          | 22.00       | 123         | 357       | Vertical |



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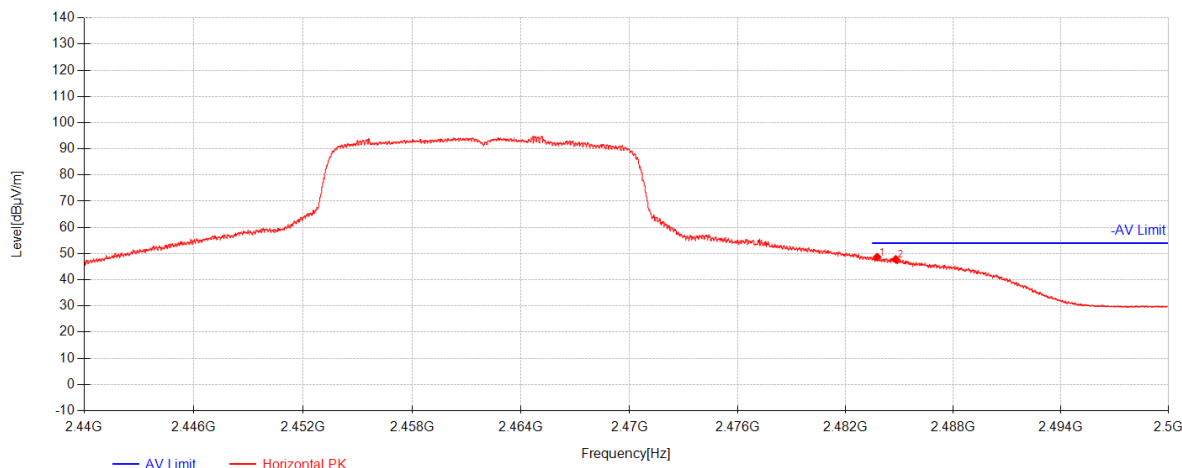
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| Data List |                 |                |           |             |                |                |             |             |           |            |
|-----------|-----------------|----------------|-----------|-------------|----------------|----------------|-------------|-------------|-----------|------------|
| NO.       | Frequency [MHz] | Reading [dBμV] | AF [dB/m] | Factor [dB] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Height [cm] | Angle [°] | Polarity   |
| 1         | 2483.755        | 44.97          | 27.25     | -23.54      | 48.68          | 54.00          | 5.32        | 156         | 40        | Horizontal |
| 2         | 2484.79         | 44.11          | 27.26     | -23.54      | 47.82          | 54.00          | 6.18        | 156         | 40        | Horizontal |



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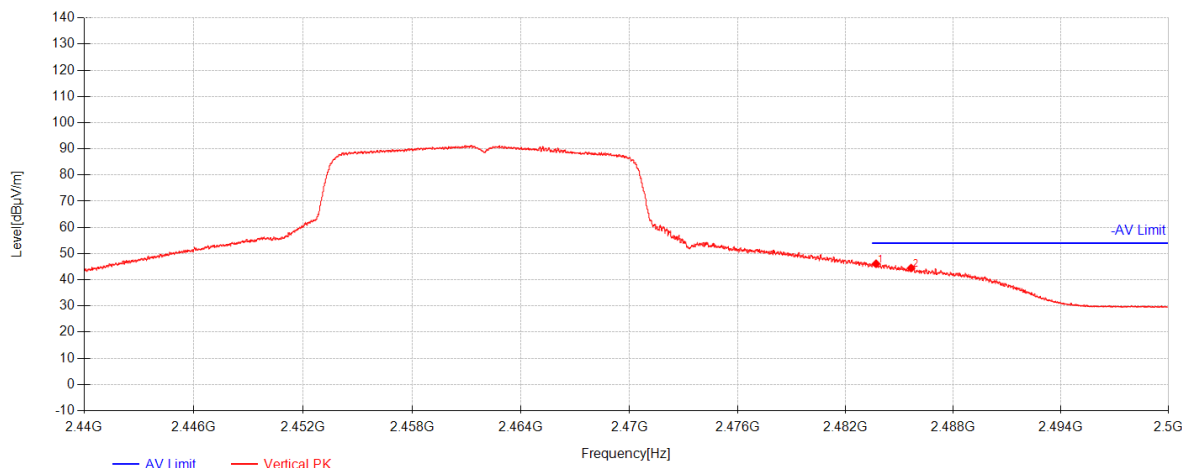
t (86-512) 62992980 [www.sgsgroup.com.cn](http://www.sgsgroup.com.cn)  
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### 802.11g\_Channel 11



#### 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   | 2483.695        | 42.42          | 27.25     | -23.54      | 46.13          | 54.00          | 7.87        | 188         | 55        | Vertical |
| 2   | 2485.645        | 40.76          | 27.26     | -23.54      | 44.48          | 54.00          | 9.52        | 188         | 55        | Vertical |



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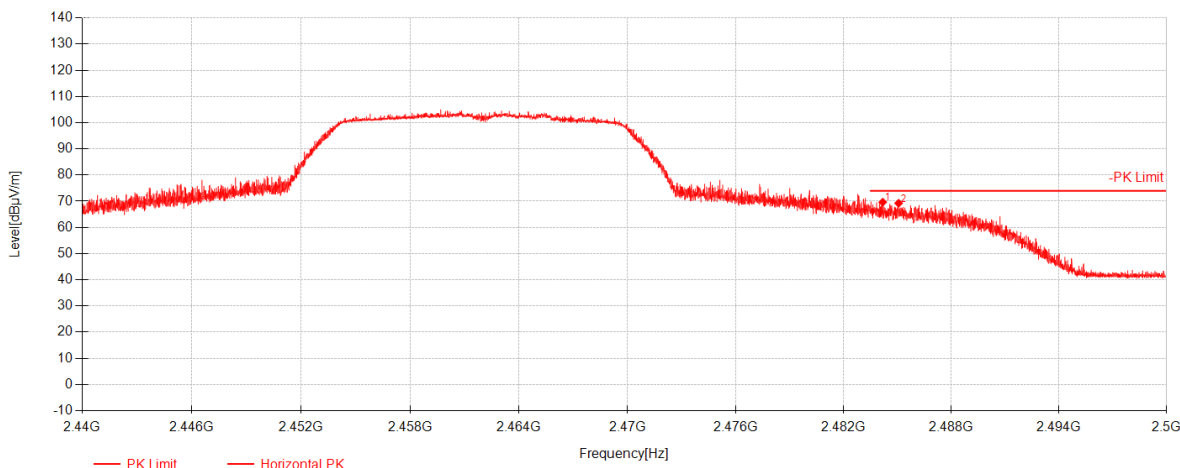
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#### Data List

| NO. | Frequency [MHz] | Reading [dBμV] | AF [dB/m] | Factor [dB] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Height [cm] | Angle [°] | Polarity   |
|-----|-----------------|----------------|-----------|-------------|----------------|----------------|-------------|-------------|-----------|------------|
| 1   | 2484.175        | 65.95          | 27.26     | -23.54      | 69.66          | 74.00          | 4.34        | 156         | 40        | Horizontal |
| 2   | 2485.06         | 65.53          | 27.26     | -23.54      | 69.24          | 74.00          | 4.76        | 156         | 40        | Horizontal |



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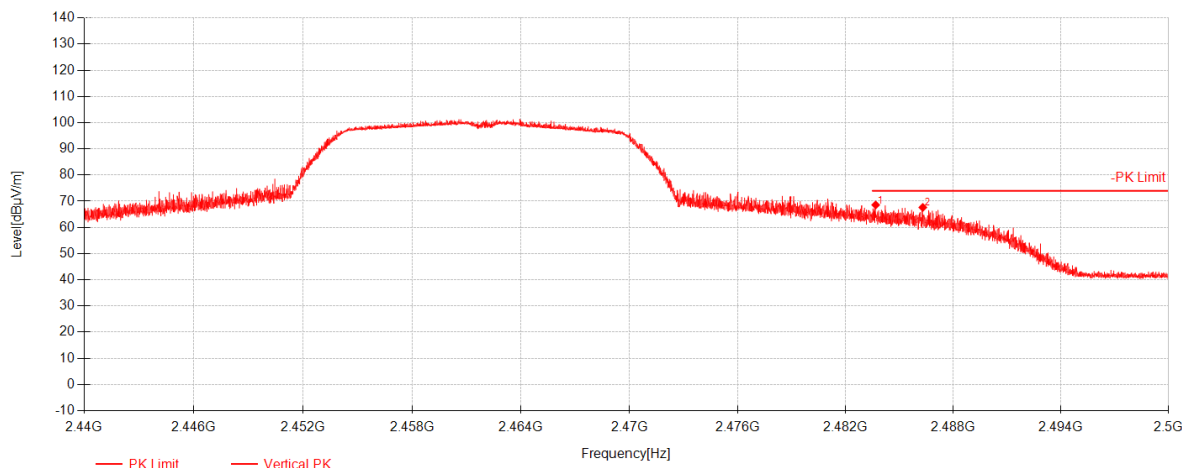
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| Data List |                 |                |           |             |                |                |             |             |           |          |
|-----------|-----------------|----------------|-----------|-------------|----------------|----------------|-------------|-------------|-----------|----------|
| NO.       | Frequency [MHz] | Reading [dBμV] | AF [dB/m] | Factor [dB] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Height [cm] | Angle [°] | Polarity |
| 1         | 2483.6725       | 64.89          | 27.25     | -23.54      | 68.60          | 74.00          | 5.40        | 188         | 55        | Vertical |
| 2         | 2486.2975       | 63.93          | 27.26     | -23.54      | 67.65          | 74.00          | 6.35        | 188         | 55        | Vertical |



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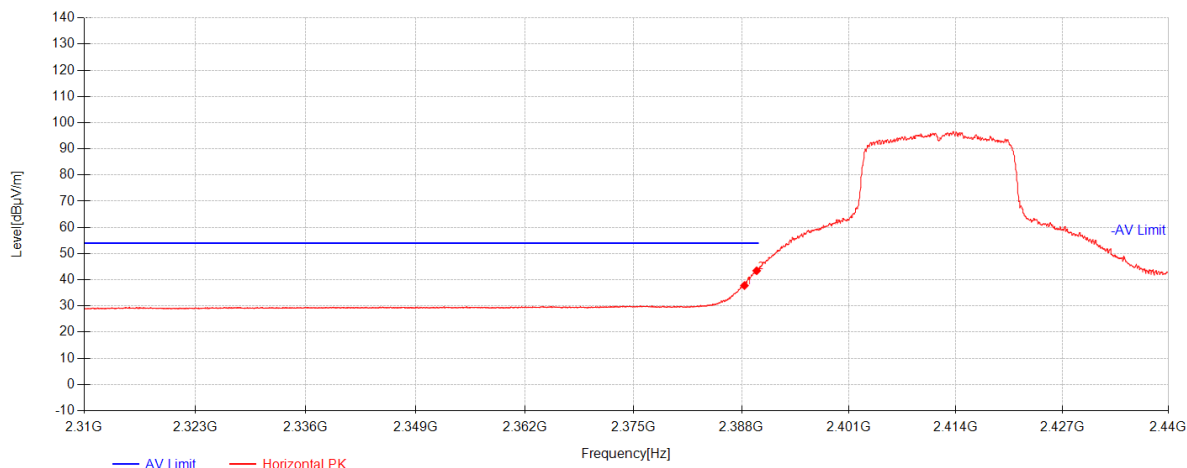
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### 802.11n20\_Channel 01



| 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         | 2388.3467       | 34.38          | 26.99     | -23.57      | 37.80          | 54.00          | 16.20       | 288         | 126       | Horizontal |
| 2         | 2389.82         | 40.03          | 26.99     | -23.57      | 43.45          | 54.00          | 10.55       | 288         | 126       | Horizontal |



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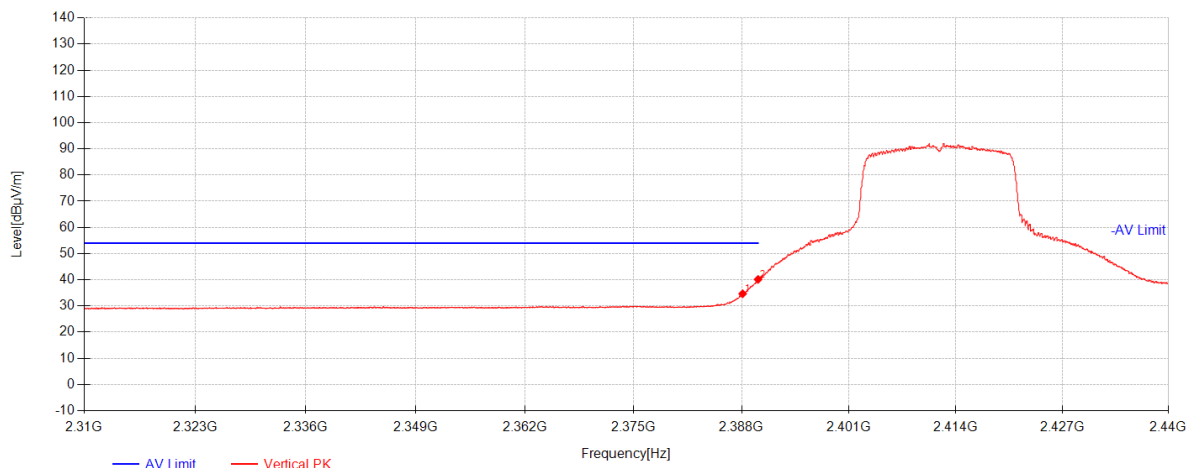
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| Data List |                 |                |           |             |                |                |             |             |           |          |
|-----------|-----------------|----------------|-----------|-------------|----------------|----------------|-------------|-------------|-----------|----------|
| NO.       | Frequency [MHz] | Reading [dBμV] | AF [dB/m] | Factor [dB] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Height [cm] | Angle [°] | Polarity |
| 1         | 2388.13         | 31.24          | 26.99     | -23.57      | 34.66          | 54.00          | 19.34       | 155         | 4         | Vertical |
| 2         | 2389.9933       | 36.72          | 26.99     | -23.57      | 40.14          | 54.00          | 13.86       | 155         | 4         | Vertical |



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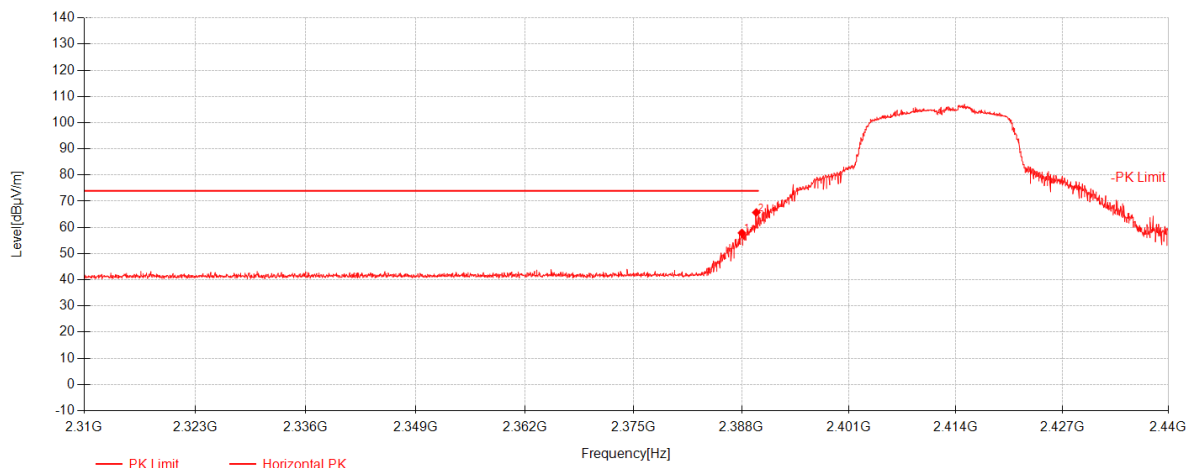
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| Data List |                 |                |           |             |                |                |             |             |           |            |
|-----------|-----------------|----------------|-----------|-------------|----------------|----------------|-------------|-------------|-----------|------------|
| NO.       | Frequency [MHz] | Reading [dBμV] | AF [dB/m] | Factor [dB] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Height [cm] | Angle [°] | Polarity   |
| 1         | 2388.0433       | 54.47          | 26.99     | -23.57      | 57.89          | 74.00          | 16.11       | 288         | 126       | Horizontal |
| 2         | 2389.7767       | 62.29          | 26.99     | -23.57      | 65.71          | 74.00          | 8.29        | 288         | 126       | Horizontal |



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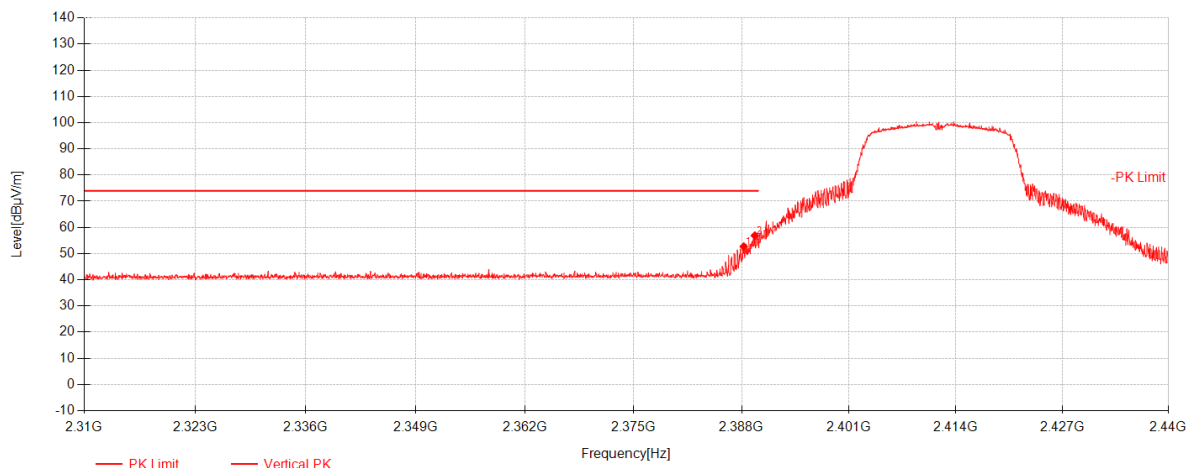
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| Data List |                 |                |           |             |                |                |             |             |           |          |
|-----------|-----------------|----------------|-----------|-------------|----------------|----------------|-------------|-------------|-----------|----------|
| NO.       | Frequency [MHz] | Reading [dBμV] | AF [dB/m] | Factor [dB] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Height [cm] | Angle [°] | Polarity |
| 1         | 2388.26         | 49.28          | 26.99     | -23.57      | 52.70          | 74.00          | 21.30       | 155         | 4         | Vertical |
| 2         | 2389.6033       | 53.46          | 26.99     | -23.57      | 56.88          | 74.00          | 17.12       | 155         | 4         | Vertical |



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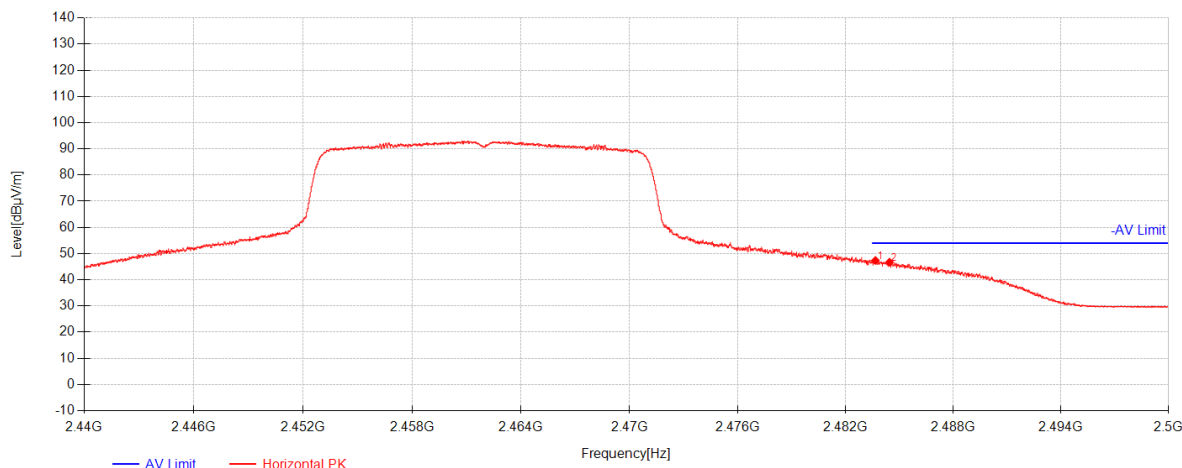
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| Data List |                 |                |           |             |                |                |             |             |           |            |
|-----------|-----------------|----------------|-----------|-------------|----------------|----------------|-------------|-------------|-----------|------------|
| NO.       | Frequency [MHz] | Reading [dBμV] | AF [dB/m] | Factor [dB] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Height [cm] | Angle [°] | Polarity   |
| 1         | 2483.6575       | 43.67          | 27.25     | -23.54      | 47.38          | 54.00          | 6.62        | 123         | 44        | Horizontal |
| 2         | 2484.445        | 43.03          | 27.26     | -23.54      | 46.74          | 54.00          | 7.26        | 123         | 44        | Horizontal |



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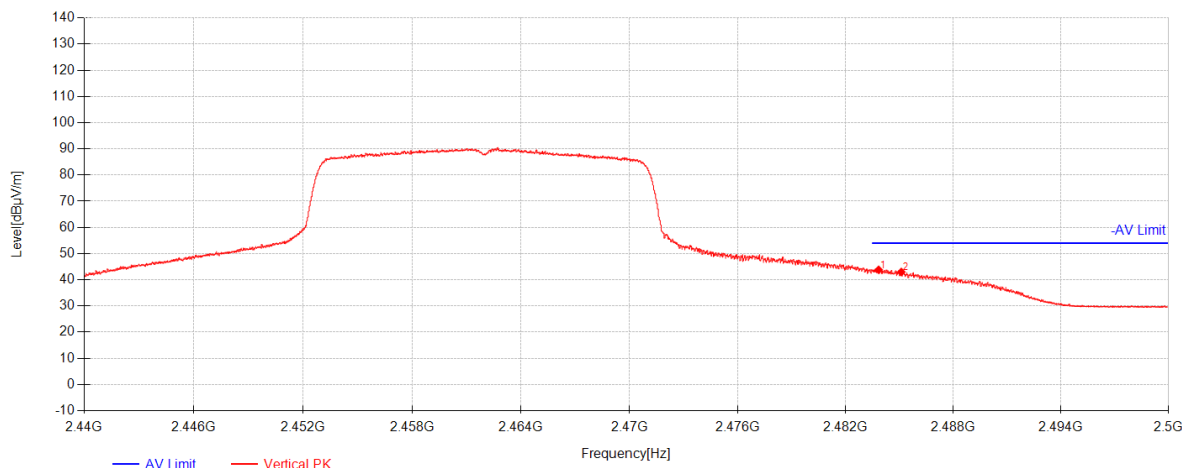
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| Data List |                 |                |           |             |                |                |             |             |           |          |
|-----------|-----------------|----------------|-----------|-------------|----------------|----------------|-------------|-------------|-----------|----------|
| NO.       | Frequency [MHz] | Reading [dBμV] | AF [dB/m] | Factor [dB] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Height [cm] | Angle [°] | Polarity |
| 1         | 2483.8375       | 40.10          | 27.25     | -23.54      | 43.81          | 54.00          | 10.19       | 169         | 180       | Vertical |
| 2         | 2485.0975       | 39.26          | 27.26     | -23.54      | 42.97          | 54.00          | 11.03       | 169         | 180       | Vertical |



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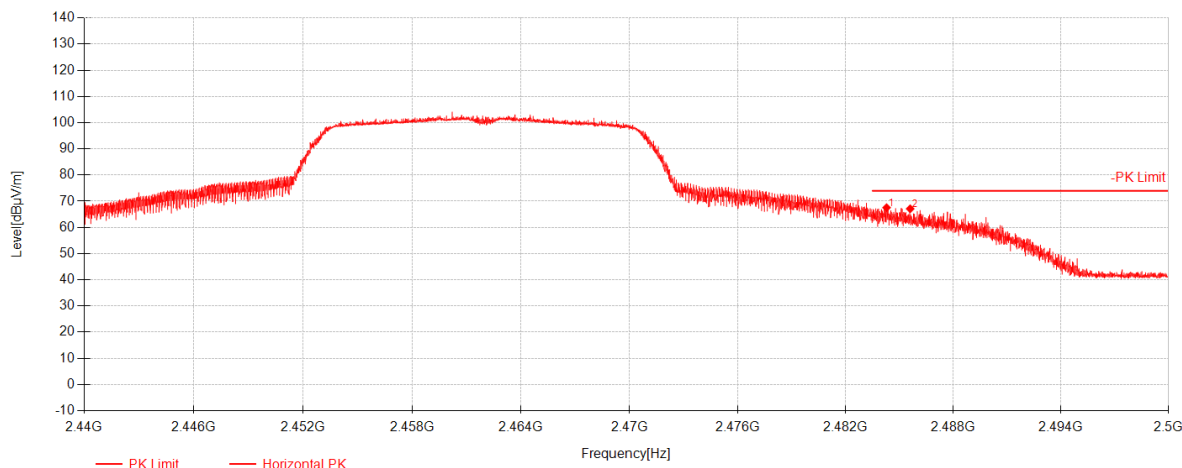
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| Data List |                 |                |           |             |                |                |             |             |           |            |
|-----------|-----------------|----------------|-----------|-------------|----------------|----------------|-------------|-------------|-----------|------------|
| NO.       | Frequency [MHz] | Reading [dBμV] | AF [dB/m] | Factor [dB] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Height [cm] | Angle [°] | Polarity   |
| 1         | 2484.28         | 63.86          | 27.26     | -23.54      | 67.57          | 74.00          | 6.43        | 123         | 44        | Horizontal |
| 2         | 2485.5925       | 63.40          | 27.26     | -23.54      | 67.12          | 74.00          | 6.88        | 123         | 44        | Horizontal |



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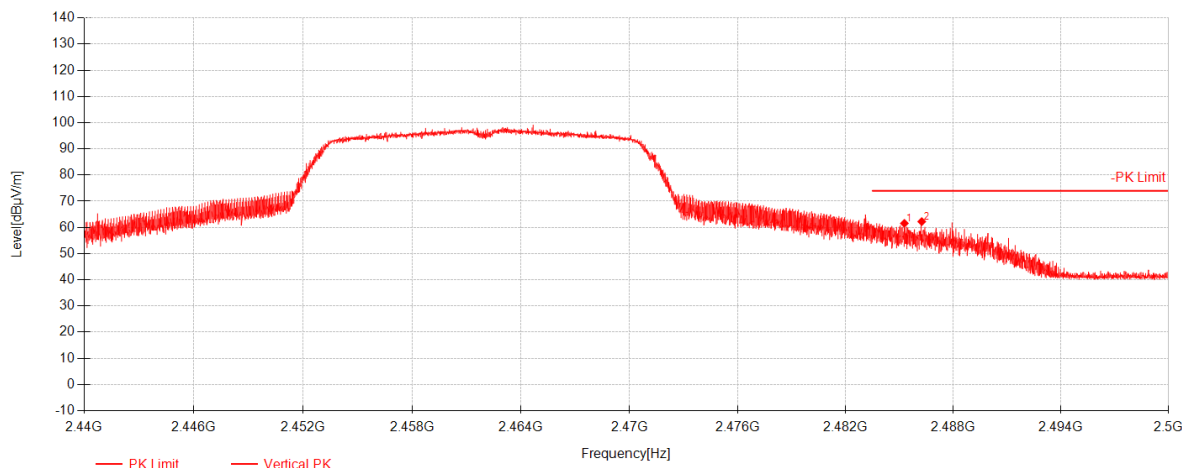
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### 802.11n20\_Channel 11



| 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         | 2485.27         | 57.85          | 27.26     | -23.54      | 61.56          | 74.00          | 12.44       | 169         | 180       | Vertical |
| 2         | 2486.2375       | 58.51          | 27.26     | -23.54      | 62.23          | 74.00          | 11.77       | 169         | 180       | Vertical |



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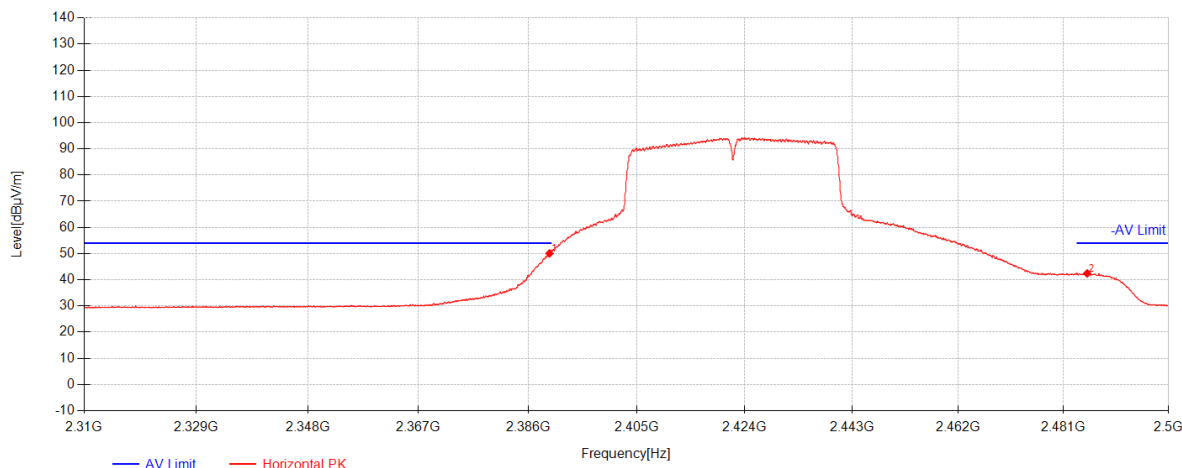
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### 802.11n40\_Channel 03



| 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         | 2389.7333       | 46.65          | 26.99     | -23.57      | 50.07          | 54.00          | 3.93        | 256         | 122       | Horizontal |
| 2         | 2485.3          | 38.71          | 27.26     | -23.54      | 42.42          | 54.00          | 11.58       | 256         | 122       | Horizontal |



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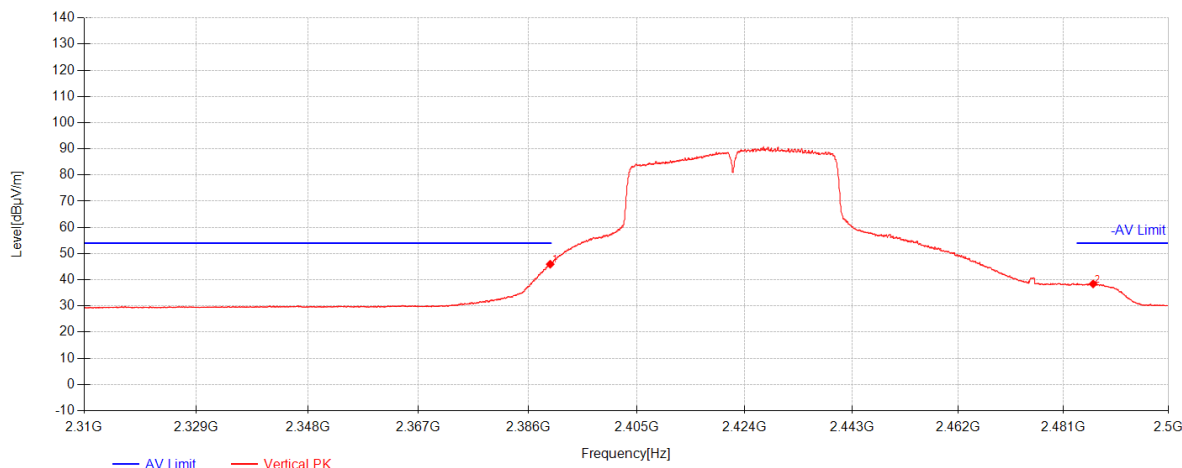
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### Data List

| NO. | Frequency [MHz] | Reading [dBμV] | AF [dB/m] | Factor [dB] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Height [cm] | Angle [°] | Polarity |
|-----|-----------------|----------------|-----------|-------------|----------------|----------------|-------------|-------------|-----------|----------|
| 1   | 2389.8633       | 42.53          | 26.99     | -23.57      | 45.95          | 54.00          | 8.05        | 289         | 351       | Vertical |
| 2   | 2486.38         | 34.69          | 27.26     | -23.54      | 38.41          | 54.00          | 15.59       | 289         | 351       | Vertical |



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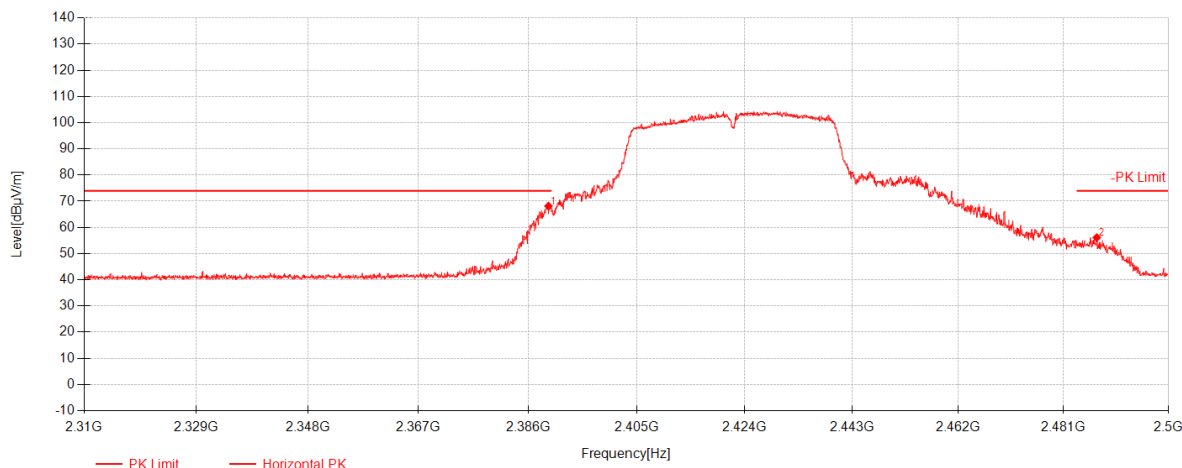
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| Data List |                 |                |           |             |                |                |             |             |           |            |
|-----------|-----------------|----------------|-----------|-------------|----------------|----------------|-------------|-------------|-----------|------------|
| NO.       | Frequency [MHz] | Reading [dBμV] | AF [dB/m] | Factor [dB] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Height [cm] | Angle [°] | Polarity   |
| 1         | 2389.56         | 64.75          | 26.99     | -23.57      | 68.17          | 74.00          | 5.83        | 256         | 122       | Horizontal |
| 2         | 2487.04         | 52.40          | 27.26     | -23.54      | 56.12          | 74.00          | 17.88       | 256         | 122       | Horizontal |



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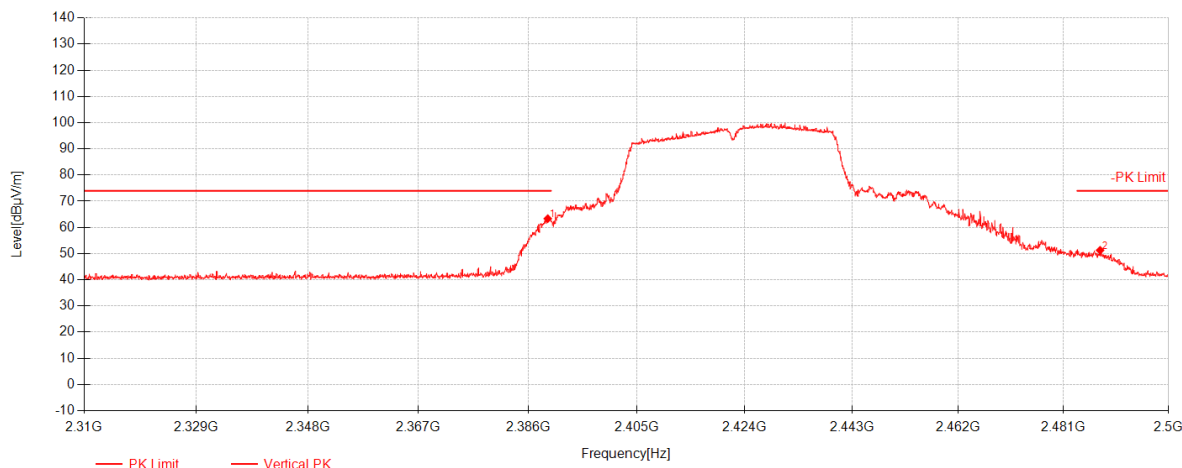
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### 802.11n40\_Channel 03



| 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         | 2389.43         | 59.94          | 26.99     | -23.57      | 63.36          | 74.00          | 10.64       | 289         | 351       | Vertical |
| 2         | 2487.64         | 47.56          | 27.27     | -23.54      | 51.28          | 74.00          | 22.72       | 289         | 351       | Vertical |



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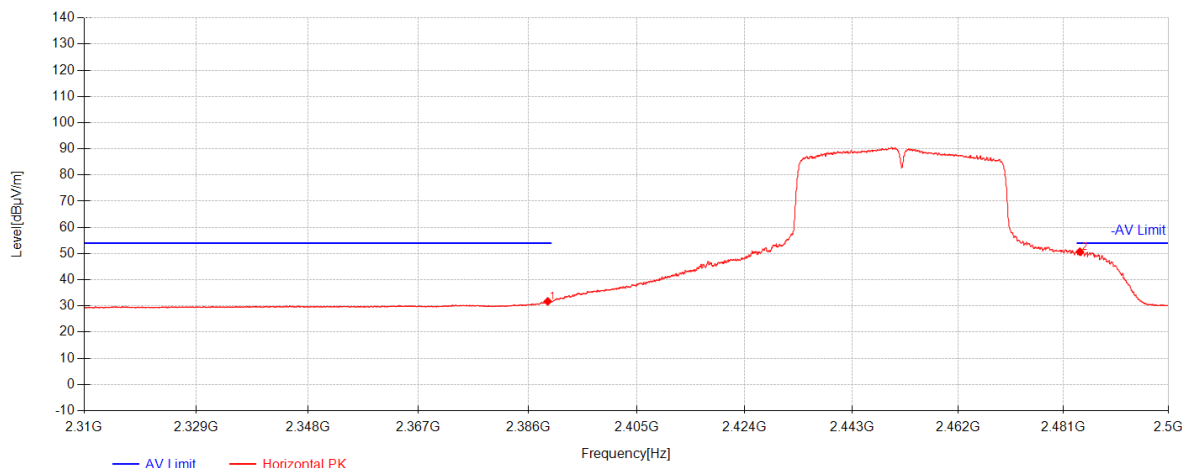
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### 802.11n40\_Channel 09



| 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         | 2389.43         | 28.32          | 26.99     | -23.57      | 31.74          | 54.00          | 22.26       | 155         | 129       | Horizontal |
| 2         | 2483.98         | 47.01          | 27.26     | -23.54      | 50.72          | 54.00          | 3.28        | 155         | 129       | Horizontal |



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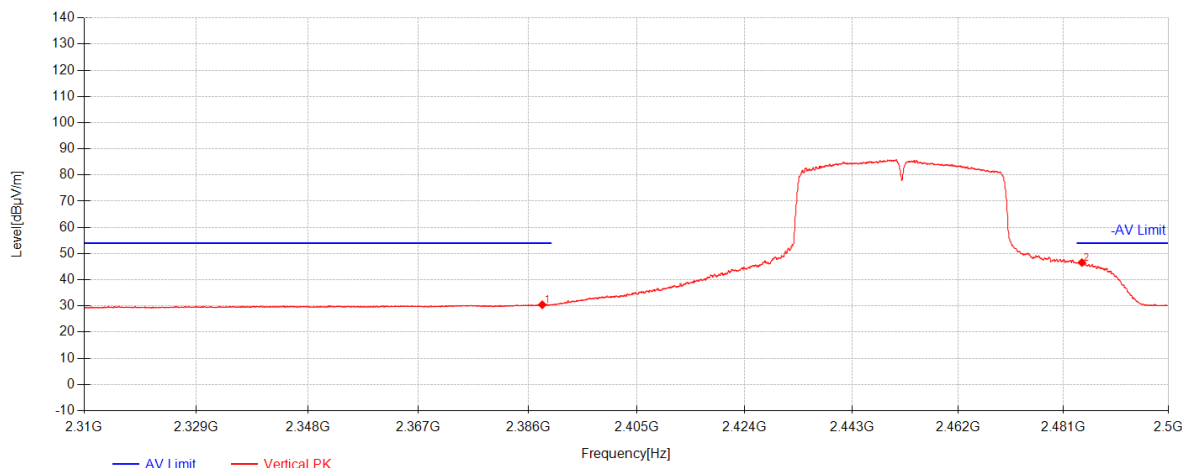
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### 802.11n40\_Channel 09



| 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         | 2388.4767       | 27.04          | 26.99     | -23.57      | 30.46          | 54.00          | 23.54       | 126         | 63        | Vertical |
| 2         | 2484.34         | 42.87          | 27.26     | -23.54      | 46.58          | 54.00          | 7.42        | 126         | 63        | Vertical |



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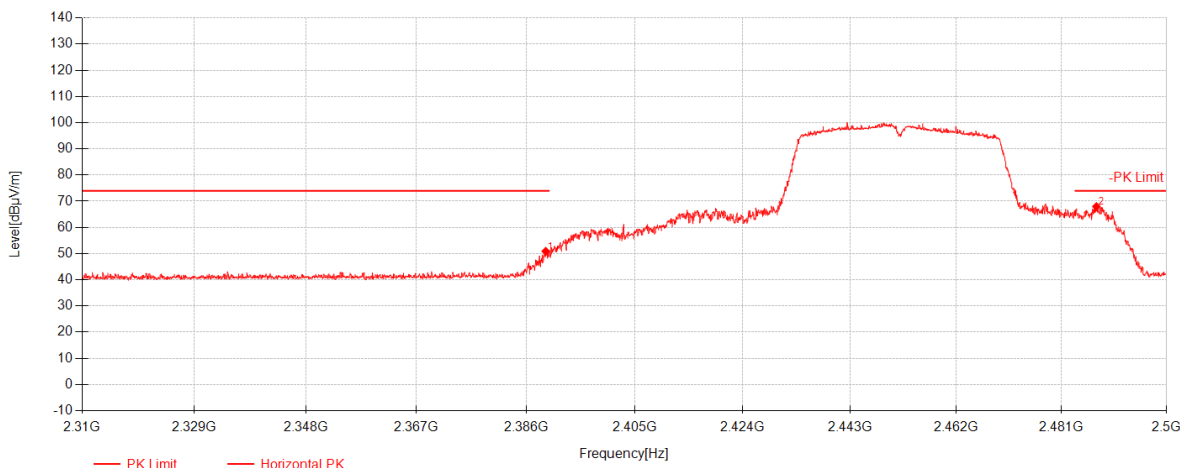
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### 802.11n40\_Channel 09



### 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   | 2389.43         | 47.49          | 26.99     | -23.57      | 50.91          | 74.00          | 23.09       | 155         | 129       | Horizontal |
| 2   | 2487.34         | 64.27          | 27.26     | -23.54      | 67.99          | 74.00          | 6.01        | 155         | 129       | Horizontal |



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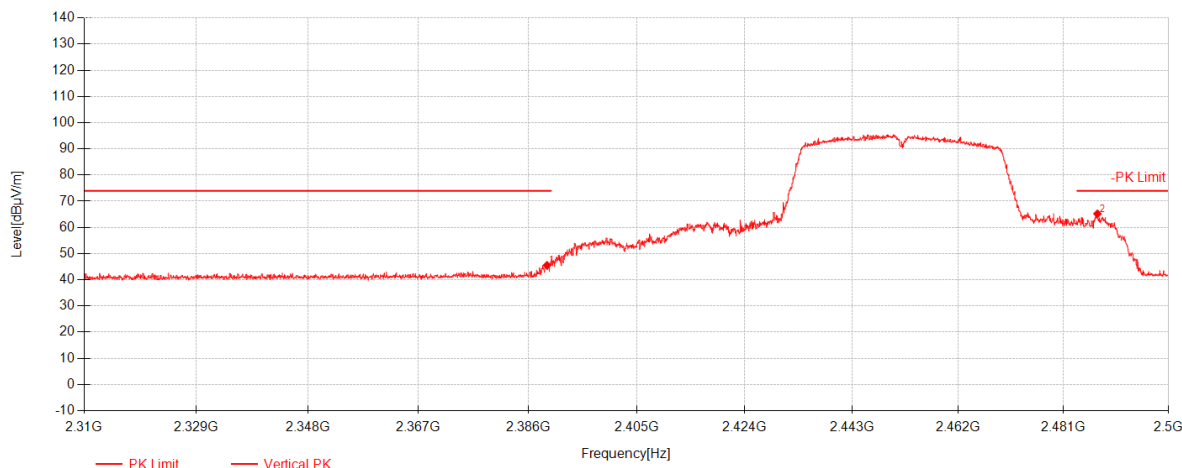
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## 802.11n40\_Channel 09



## 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   | 2389.3          | 42.11          | 26.99     | -23.57      | 45.53          | 74.00          | 28.47       | 126         | 63        | Vertical |
| 2   | 2487.16         | 61.49          | 27.26     | -23.54      | 65.21          | 74.00          | 8.79        | 126         | 63        | Vertical |

## Remark:

- The field strength is calculated by adding the Antenna Factor, Cable Factor & Preamplifier gain. The basic equation with a sample calculation is as follows:  
Level = Reading(dBμV) + AF(dB/m) + Factor(dB):  
AF = Antenna Factor(dB/m)  
Factor = Cable Factor(dB) - Preamplifier gain(dB)  
Margin = Limit(dBμV/m) – Level(dBμV/m)
- Both peak and average measured complies with the limit line, so test result is "PASS"



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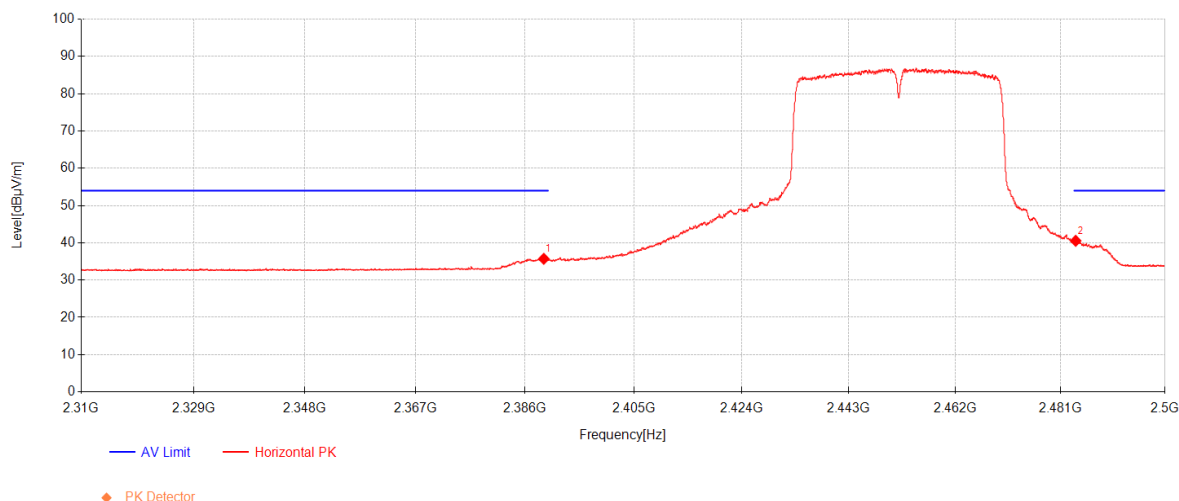
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### Test on the worst case:

#### 802.11n40\_Channel 09



| Data List |                 |                |           |             |                |                |             |            |
|-----------|-----------------|----------------|-----------|-------------|----------------|----------------|-------------|------------|
| NO.       | Frequency [MHz] | Reading [dBμV] | AF [dB/m] | Factor [dB] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Polarity   |
| 1         | 2389.2675       | 30.67          | 27.16     | -22.11      | 35.71          | 54.00          | 18.29       | Horizontal |
| 2         | 2483.755        | 35.09          | 27.36     | -21.91      | 40.54          | 54.00          | 13.46       | Horizontal |



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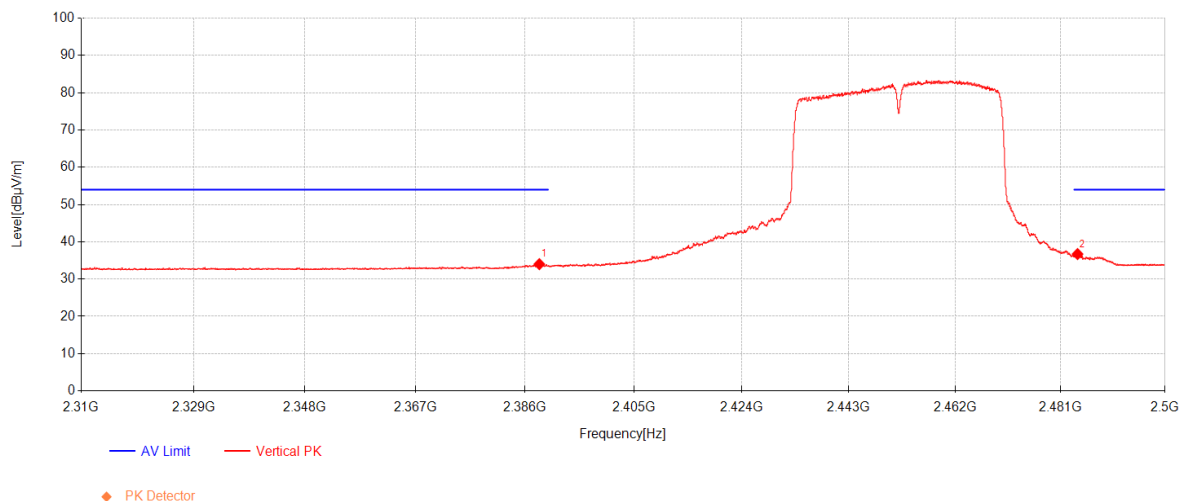
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| Data List |                 |                |           |             |                |                |             |          |
|-----------|-----------------|----------------|-----------|-------------|----------------|----------------|-------------|----------|
| NO.       | Frequency [MHz] | Reading [dBμV] | AF [dB/m] | Factor [dB] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Polarity |
| 1         | 2388.4875       | 28.97          | 27.15     | -22.12      | 34.01          | 54.00          | 19.99       | Vertical |
| 2         | 2484.1          | 31.26          | 27.37     | -21.91      | 36.71          | 54.00          | 17.29       | Vertical |



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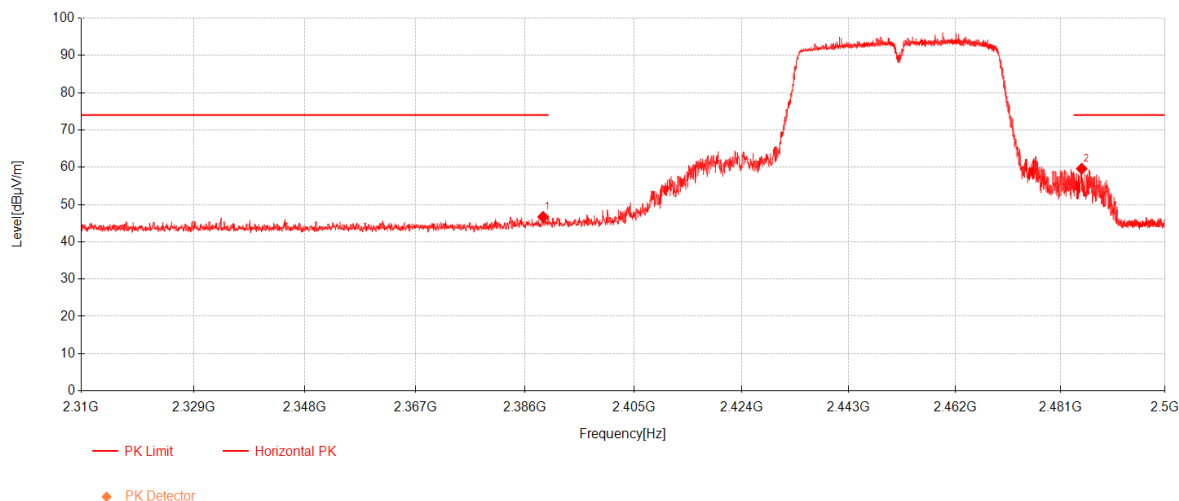
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### 802.11n40\_Channel 09



| Data List |                 |                |           |             |                |                |             |            |
|-----------|-----------------|----------------|-----------|-------------|----------------|----------------|-------------|------------|
| NO.       | Frequency [MHz] | Reading [dBμV] | AF [dB/m] | Factor [dB] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Polarity   |
| 1         | 2389.1375       | 41.64          | 27.16     | -22.11      | 46.68          | 74.00          | 27.32       | Horizontal |
| 2         | 2484.85         | 54.13          | 27.37     | -21.91      | 59.59          | 74.00          | 14.41       | Horizontal |



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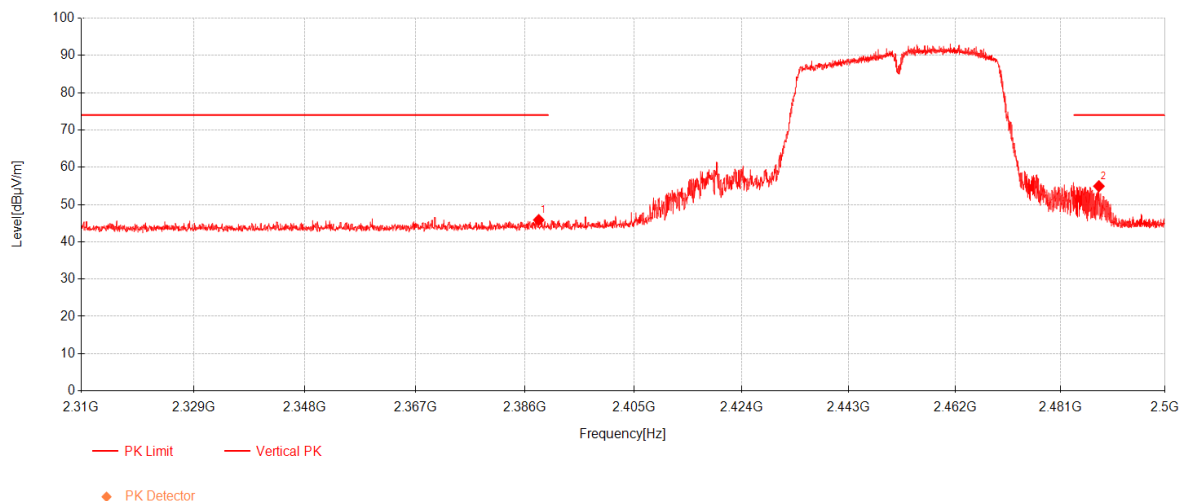
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### 802.11n40\_Channel 09



| Data List |                 |                |           |             |                |                |             |          |
|-----------|-----------------|----------------|-----------|-------------|----------------|----------------|-------------|----------|
| NO.       | Frequency [MHz] | Reading [dBμV] | AF [dB/m] | Factor [dB] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Polarity |
| 1         | 2388.39         | 40.81          | 27.15     | -22.12      | 45.85          | 74.00          | 28.15       | Vertical |
| 2         | 2487.97         | 49.45          | 27.37     | -21.90      | 54.92          | 74.00          | 19.08       | Vertical |

#### Remark:

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

$$\text{Level} = \text{Reading (dB}\mu\text{V)} + \text{AF (dB/m)} + \text{Factor (dB)}$$

$$\text{AF} = \text{Antenna Factor (dB/m)}$$

$$\text{Factor} = \text{Cable Factor (dB)} - \text{Preamplifier gain (dB)}$$

$$\text{Margin} = \text{Limit (dB}\mu\text{V/m)} - \text{Level (dB}\mu\text{V/m)}$$
- Both peak and average measured complies with the limit line, so test result is "PASS"

---End of Report---



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