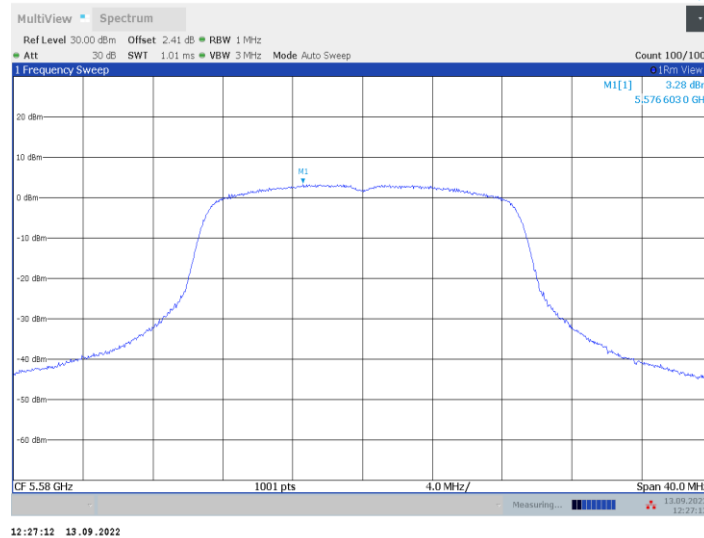


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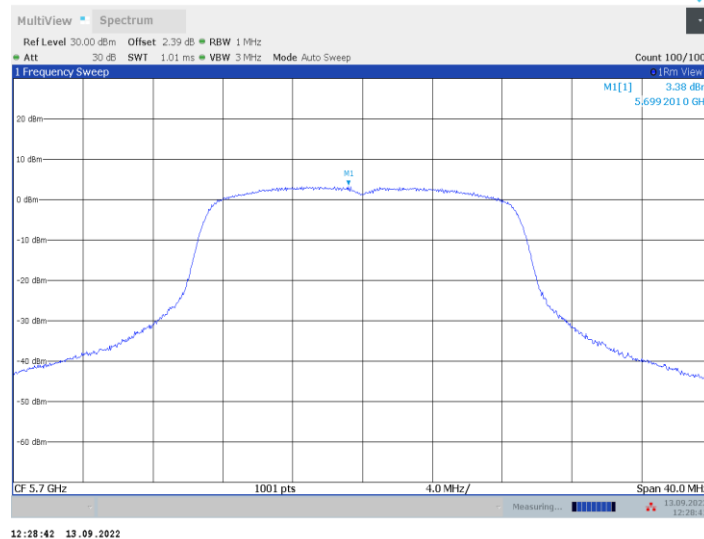
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### 11ac20SISO Ant2 5580



### 11ac20SISO Ant2 5700



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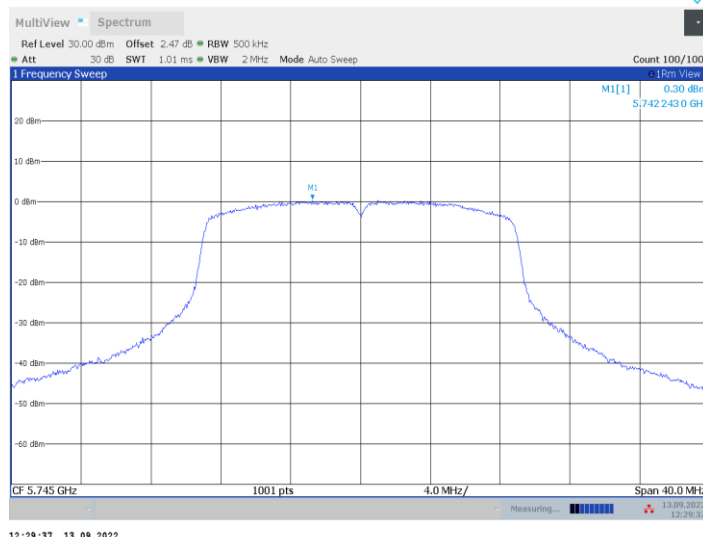
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 t (86-512) 62992980 sgs.china@sgs.com

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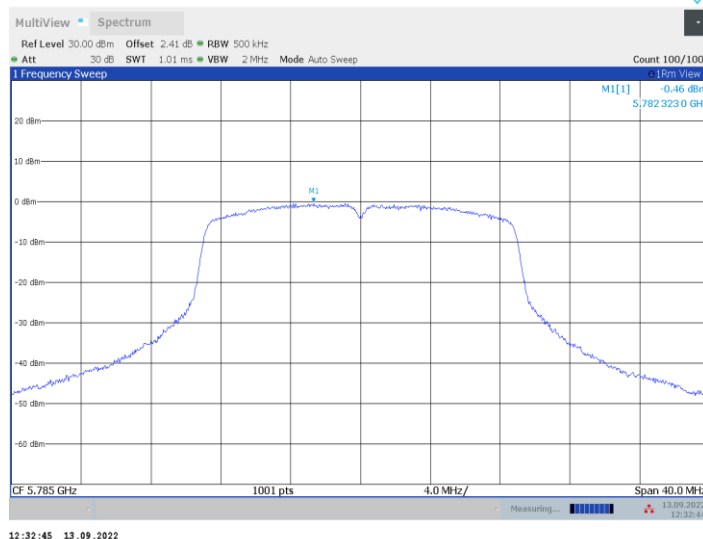
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### 11ac20SISO Ant2 5745



### 11ac20SISO Ant2 5785



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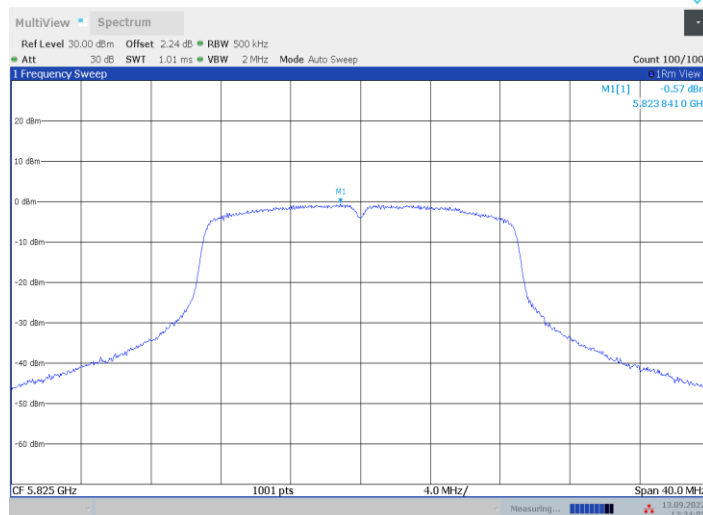
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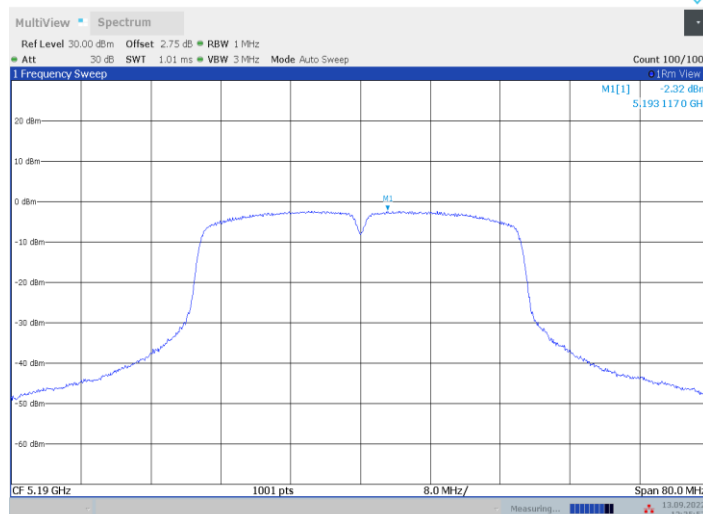
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### 11ac20SISO Ant2 5825



12:34:05 13.09.2022

### 11ac40SISO Ant2 5190



12:35:57 13.09.2022



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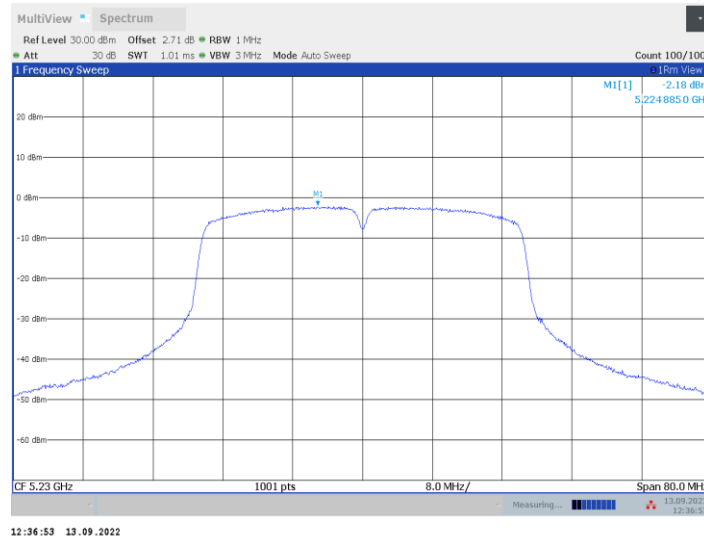
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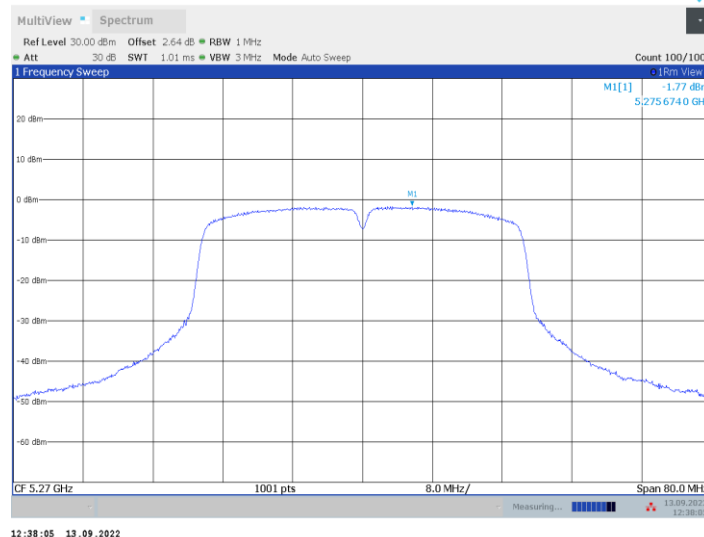
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### 11ac40SISO Ant2 5230



12:36:53 13.09.2022

### 11ac40SISO Ant2 5270



12:38:55 13.09.2022



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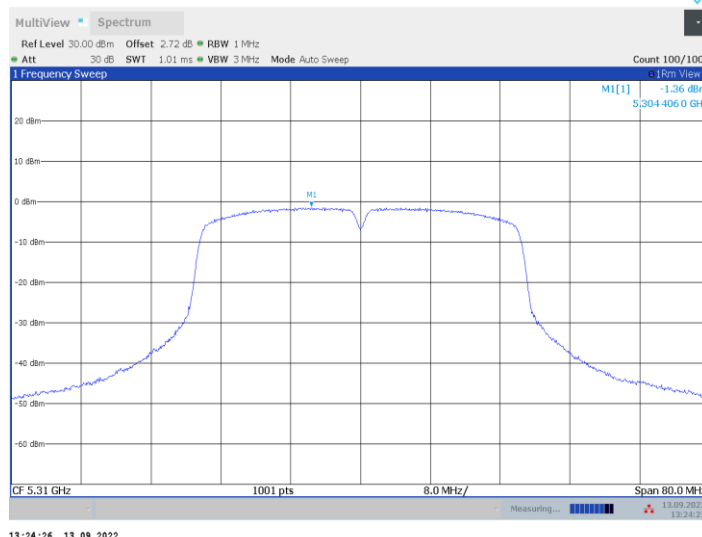
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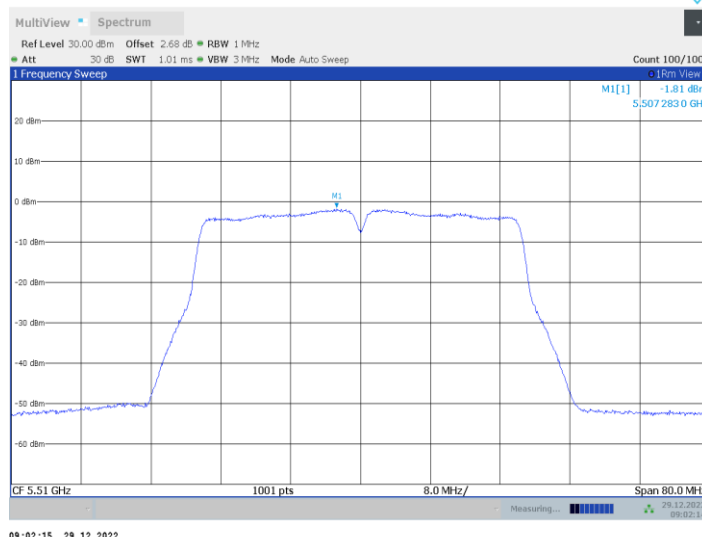
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### 11ac40SISO Ant2 5310



13:24:26 13.09.2022

### 11ac40SISO Ant2 5510



09:02:15 29.12.2022



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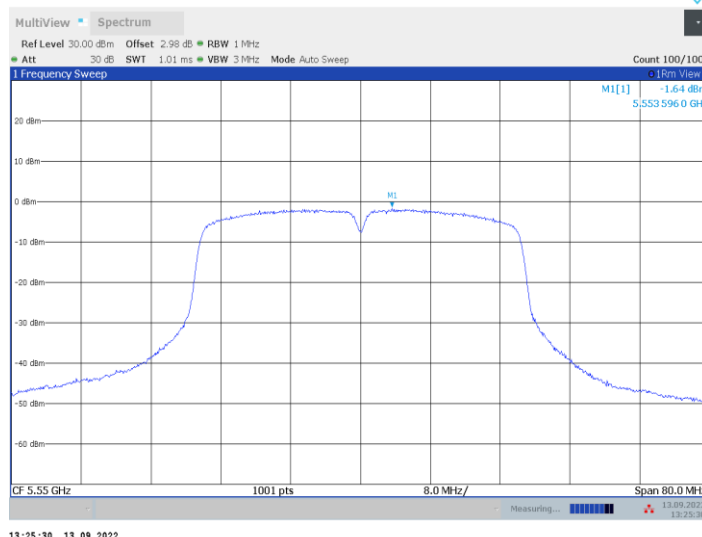
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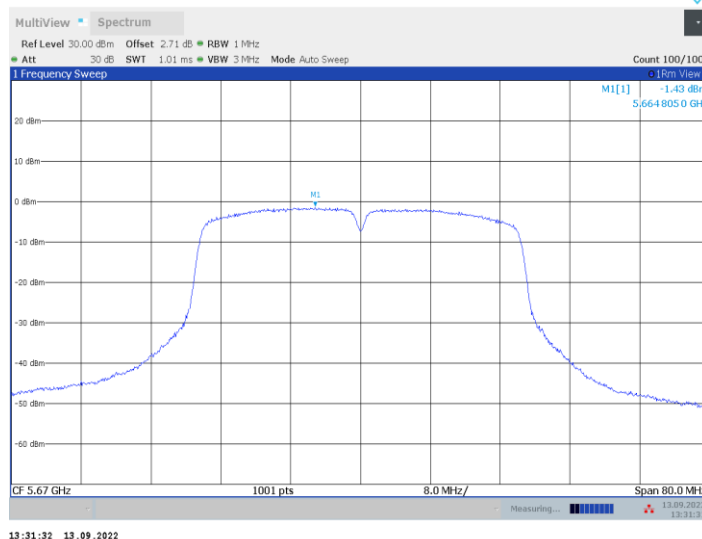
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### 11ac40SISO Ant2 5550



### 11ac40SISO Ant2 5670



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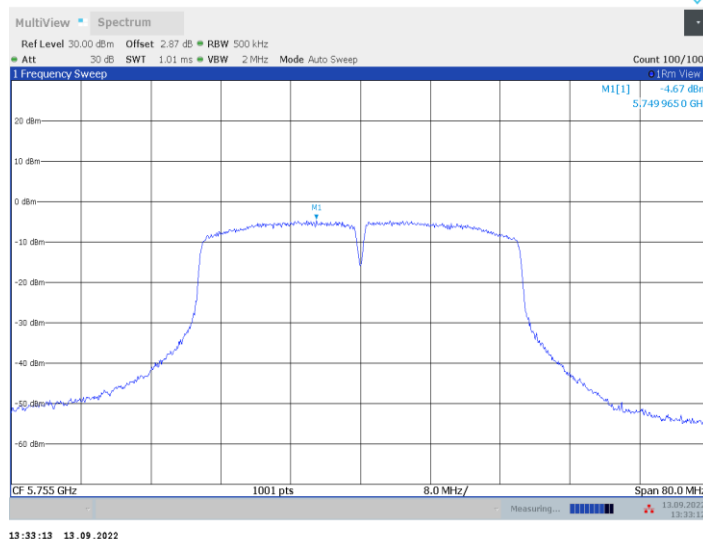
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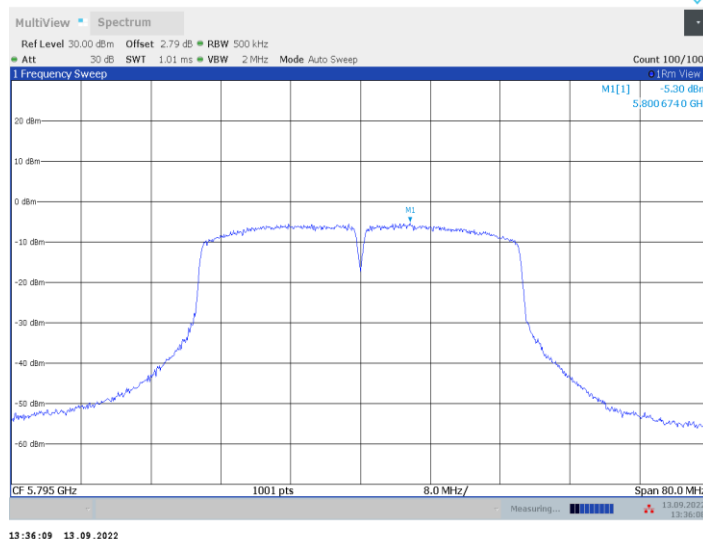
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### 11ac40SISO Ant2 5755



### 11ac40SISO Ant2 5795



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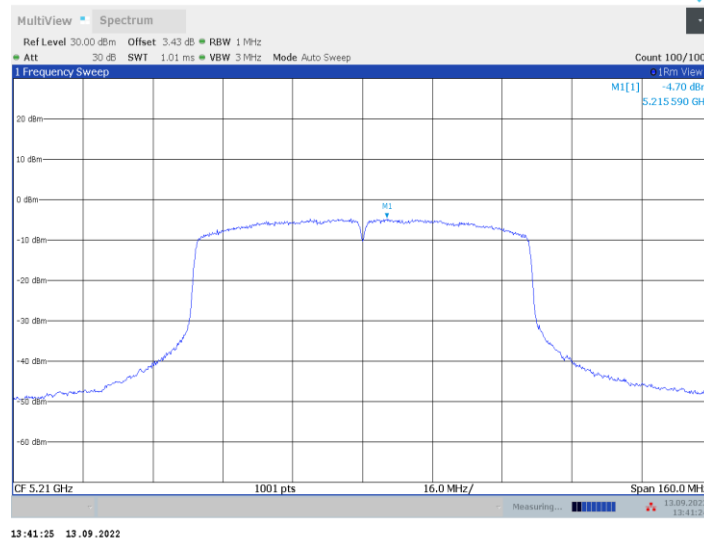
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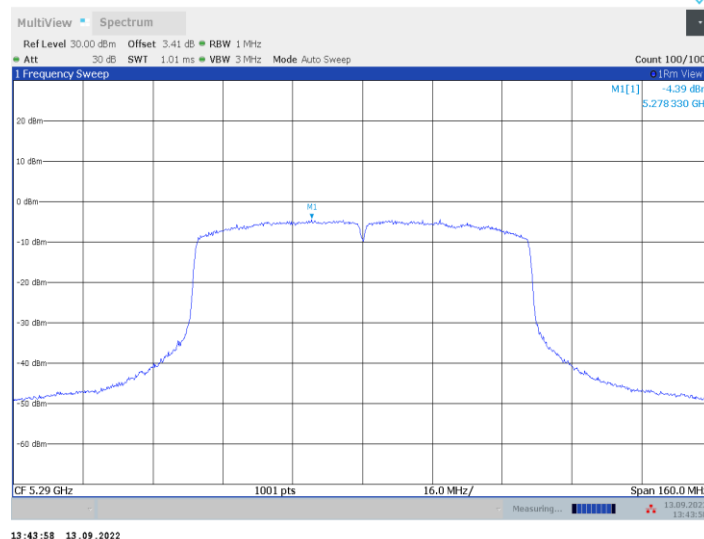
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### 11ac80SISO Ant2 5210



13:41:25 13-09-2022

### 11ac80SISO Ant2 5290



13:43:58 13-09-2022



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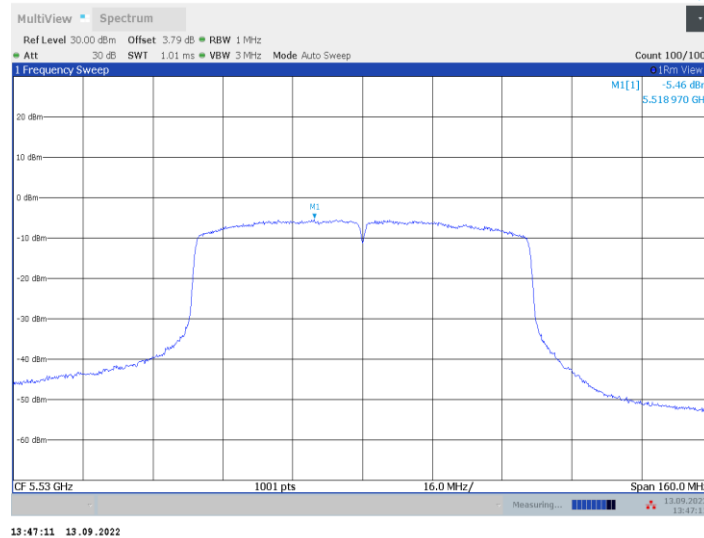
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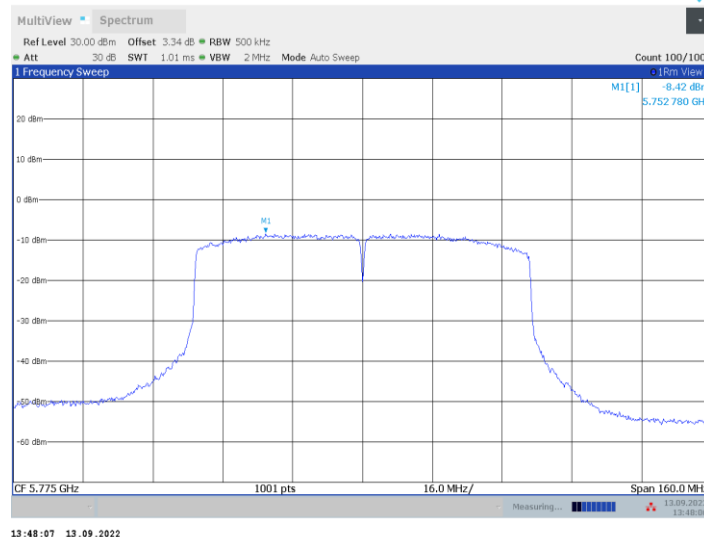
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### 11ac80SISO Ant2 5530



13:47:11 13-09-2022

### 11ac80SISO Ant2 5775



13:48:07 13-09-2022



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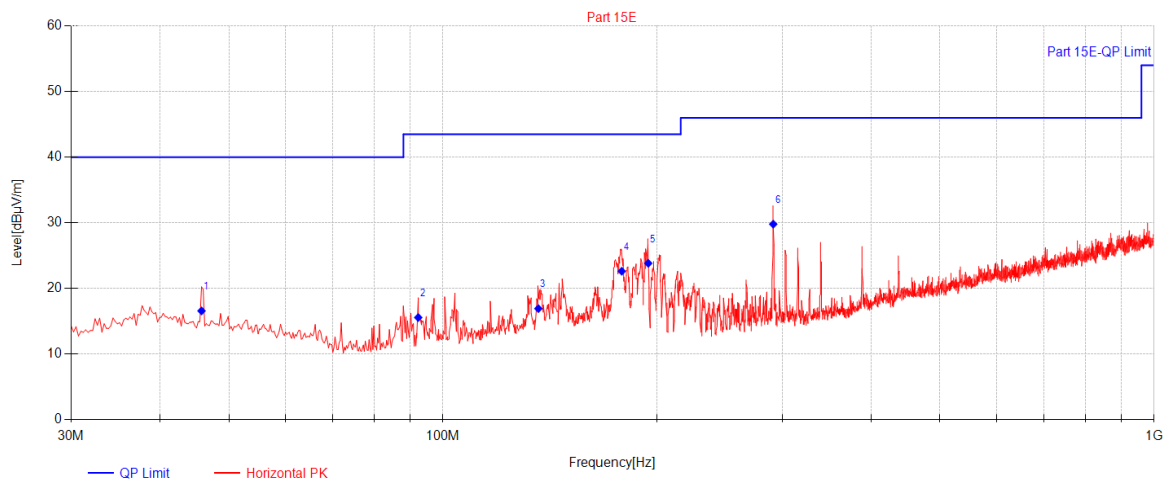
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### Radiated Spurious Emissions

### Radiated emission below 1GHz

### Worst case Mode: 11n40\_Channel 62



#### Final Data List

| NO. | Frequency [MHz] | Reading [dBμV] | Factor [dB] | AF [dB/m] | QP Value [dBμV/m] | QP Limit [dBμV/m] | QP Margin [dB] | Height [cm] | Angle [°] | Polarity   |
|-----|-----------------|----------------|-------------|-----------|-------------------|-------------------|----------------|-------------|-----------|------------|
| 1   | 45.7625         | 39.12          | -36.20      | 13.63     | 16.56             | 40.00             | 23.44          | 215         | 350       | Horizontal |
| 2   | 92.3225         | 42.22          | -36.27      | 9.60      | 15.55             | 43.50             | 27.95          | 145         | 114       | Horizontal |
| 3   | 136.215         | 39.26          | -35.58      | 13.24     | 16.91             | 43.50             | 26.59          | 125         | 308       | Horizontal |
| 4   | 178.41          | 43.19          | -35.22      | 14.64     | 22.61             | 43.50             | 20.89          | 251         | 341       | Horizontal |
| 5   | 194.415         | 47.89          | -35.31      | 11.23     | 23.82             | 43.50             | 19.68          | 138         | 11        | Horizontal |
| 6   | 291.415         | 51.29          | -34.09      | 12.59     | 29.79             | 46.00             | 16.21          | 192         | 1         | Horizontal |

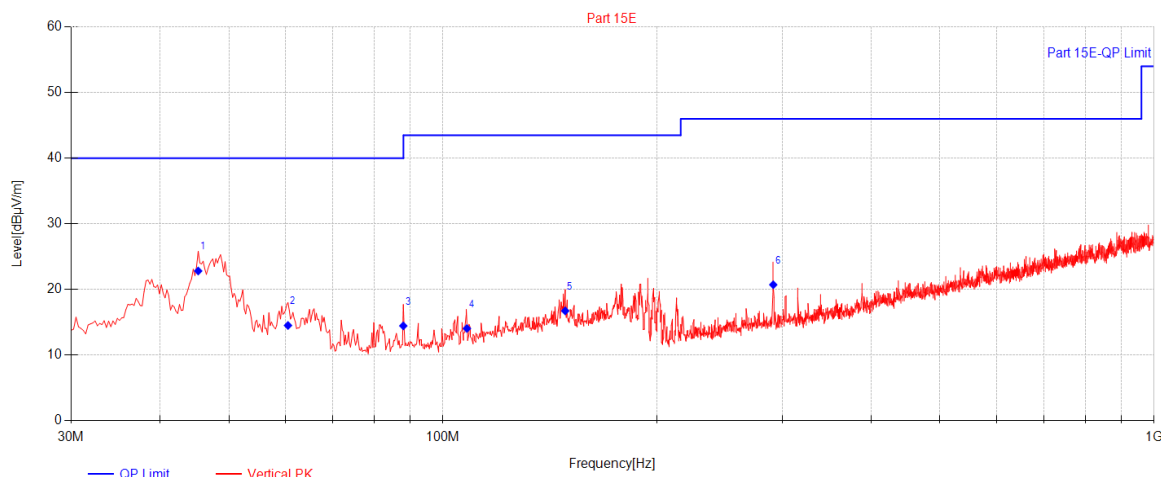


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t (86-512) 62992980 sgs.china@sgs.com



## Final Data List

| NO. | Frequency [MHz] | Reading [dBμV] | Factor [dB] | AF [dB/m] | QP Value [dBμV/m] | QP Limit [dBμV/m] | QP Margin [dB] | Height [cm] | Angle [°] | Polarity |
|-----|-----------------|----------------|-------------|-----------|-------------------|-------------------|----------------|-------------|-----------|----------|
| 1   | 45.2775         | 45.36          | -36.20      | 13.64     | 22.80             | 40.00             | 17.20          | 145         | 79        | Vertical |
| 2   | 60.555          | 38.25          | -36.41      | 12.64     | 14.49             | 40.00             | 25.51          | 126         | 318       | Vertical |
| 3   | 87.9575         | 41.29          | -36.27      | 9.41      | 14.43             | 40.00             | 25.57          | 291         | 11        | Vertical |
| 4   | 108.085         | 39.16          | -36.08      | 10.94     | 14.03             | 43.50             | 29.47          | 142         | 338       | Vertical |
| 5   | 148.5825        | 38.21          | -35.28      | 13.78     | 16.71             | 43.50             | 26.79          | 135         | 245       | Vertical |
| 6   | 291.415         | 42.20          | -34.09      | 12.59     | 20.70             | 46.00             | 25.30          | 180         | 89        | 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:  
Value = Reading(dBμV) + AF(dB/m) + Factor(dB):  
AF = Antenna Factor(dB/m)  
Factor = Cable Factor(dB) - Preamplifier gain(dB)  
Margin = Limit(dBμV/m) – Value(dBμV/m)
- All channels have been tested, but only the worst case data displayed in this report.



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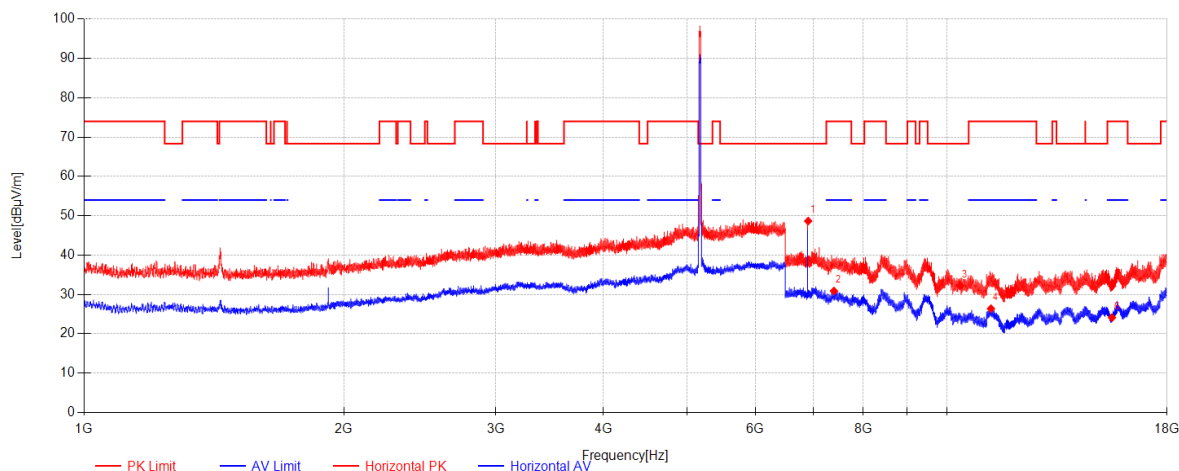
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### Transmitter emission Above 1GHz

#### 802.11a\_Channel 36



| 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         | 6906.3333       | 56.52          | 35.97     | -43.84      | 48.65          | 68.30          | 19.65       | 145         | 141       | Horizontal |
| 2         | 7398.9167       | 37.19          | 36.49     | -42.80      | 30.88          | 54.00          | 23.12       | 256         | 93        | Horizontal |
| 3         | 10360.0000      | 32.21          | 38.85     | -38.82      | 32.24          | 68.30          | 36.06       | 236         | 357       | Horizontal |
| 4         | 11249.5         | 24.18          | 39.11     | -36.91      | 26.38          | 54.00          | 27.62       | 216         | 191       | Horizontal |
| 5         | 15540.0000      | 28.44          | 38.52     | -34.81      | 32.15          | 74.00          | 41.85       | 145         | 6         | Horizontal |
| 6         | 15540.0000      | 20.41          | 38.52     | -34.81      | 24.12          | 54.00          | 29.88       | 192         | 6         | Horizontal |



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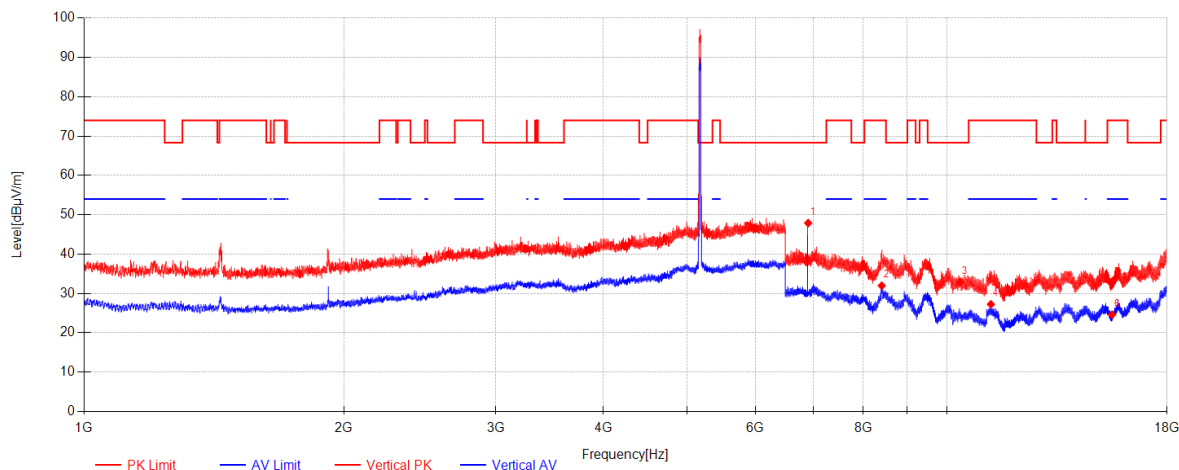
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## 802.11a\_Channel 36



## 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   | 6906.3333       | 55.76          | 35.97     | -43.84      | 47.89          | 68.30          | 20.41       | 256         | 191       | Vertical |
| 2   | 8404.6875       | 36.03          | 37.34     | -41.39      | 31.98          | 54.00          | 22.02       | 214         | 239       | Vertical |
| 3   | 10360.0000      | 32.91          | 38.85     | -38.82      | 32.94          | 68.30          | 35.36       | 136         | 168       | Vertical |
| 4   | 11247.5833      | 25.04          | 39.11     | -36.90      | 27.25          | 54.00          | 26.75       | 266         | 1         | Vertical |
| 5   | 15540.0000      | 28.94          | 38.52     | -34.81      | 32.65          | 74.00          | 41.35       | 145         | 288       | Vertical |
| 6   | 15540.0000      | 20.89          | 38.52     | -34.81      | 24.60          | 54.00          | 29.40       | 285         | 288       | Vertical |



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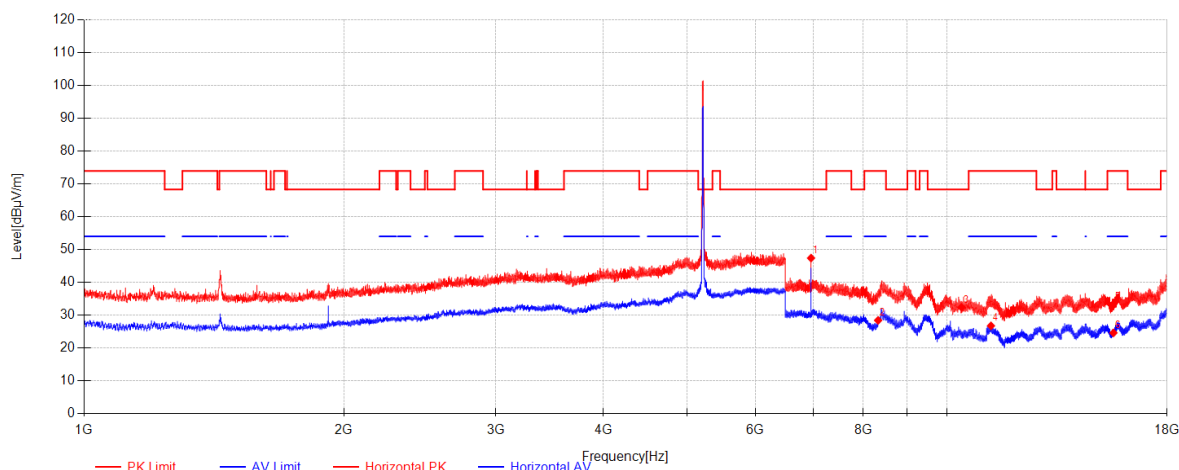
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## 802.11a\_Channel 44



| 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         | 6960            | 54.72          | 36.03     | -43.35      | 47.40          | 68.30          | 20.90       | 254         | 214       | Horizontal |
| 2         | 8323.2292       | 32.93          | 37.23     | -41.75      | 28.41          | 54.00          | 25.59       | 169         | 264       | Horizontal |
| 3         | 10400.0000      | 32.23          | 38.86     | -38.72      | 32.37          | 68.30          | 35.93       | 281         | 0         | Horizontal |
| 4         | 11249.9792      | 24.54          | 39.11     | -36.91      | 26.74          | 54.00          | 27.26       | 196         | 336       | Horizontal |
| 5         | 15600.0000      | 29.30          | 38.44     | -34.37      | 33.37          | 74.00          | 40.63       | 174         | 288       | Horizontal |
| 6         | 15600.0000      | 20.51          | 38.44     | -34.37      | 24.58          | 54.00          | 29.42       | 142         | 190       | Horizontal |



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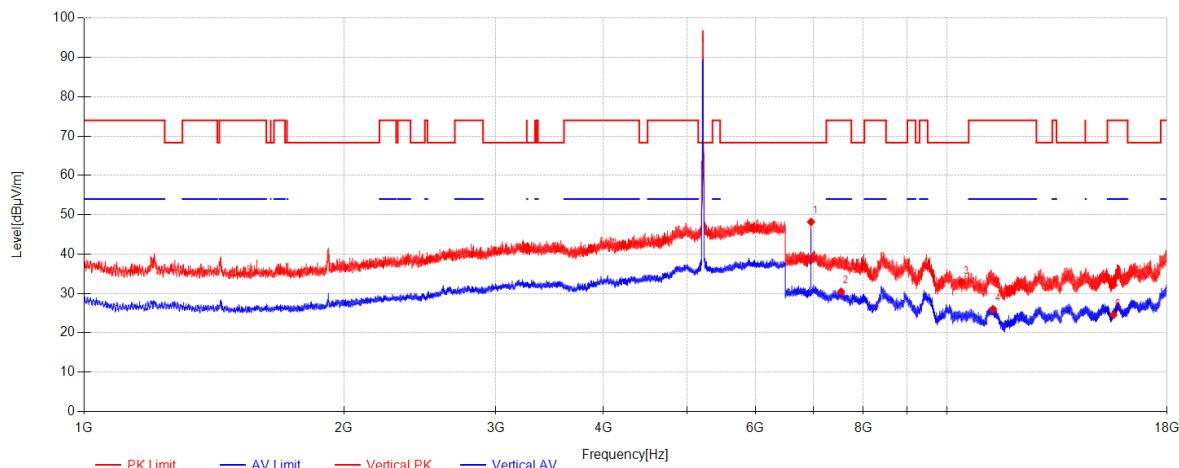
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### 802.11a\_Channel 44



| 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         | 6960            | 55.51          | 36.03     | -43.35      | 48.19          | 68.30          | 20.11       | 248         | 166       | Vertical |
| 2         | 7540.75         | 37.01          | 36.42     | -42.99      | 30.43          | 54.00          | 23.57       | 198         | 166       | Vertical |
| 3         | 10400.0000      | 32.71          | 38.86     | -38.72      | 32.85          | 68.30          | 35.45       | 155         | 93        | Vertical |
| 4         | 11312.75        | 24.17          | 39.11     | -37.27      | 26.01          | 54.00          | 27.99       | 122         | 356       | Vertical |
| 5         | 15600.0000      | 28.07          | 38.44     | -34.37      | 32.14          | 74.00          | 41.86       | 174         | 190       | Vertical |
| 6         | 15600.0000      | 20.49          | 38.44     | -34.37      | 24.56          | 54.00          | 29.44       | 162         | 190       | Vertical |



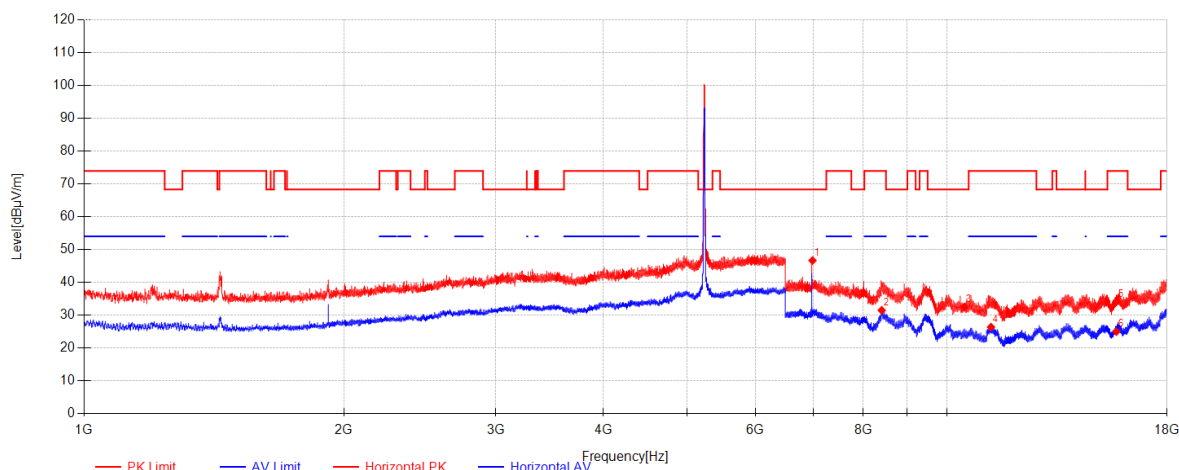
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## 802.11a\_Channel 48



## 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   | 6986.8333       | 53.71          | 36.06     | -43.11      | 46.66          | 68.30          | 21.64       | 256         | 238       | Horizontal |
| 2   | 8403.7292       | 35.53          | 37.34     | -41.39      | 31.48          | 54.00          | 22.52       | 236         | 356       | Horizontal |
| 3   | 10480.0000      | 32.23          | 38.94     | -38.75      | 32.42          | 68.30          | 35.88       | 142         | 286       | Horizontal |
| 4   | 11251.4167      | 24.17          | 39.11     | -36.92      | 26.36          | 54.00          | 27.64       | 169         | 356       | Horizontal |
| 5   | 15720.0000      | 29.02          | 38.30     | -33.22      | 34.10          | 74.00          | 39.90       | 192         | 44        | Horizontal |
| 6   | 15720.0000      | 19.86          | 38.30     | -33.22      | 24.94          | 54.00          | 29.06       | 158         | 68        | Horizontal |



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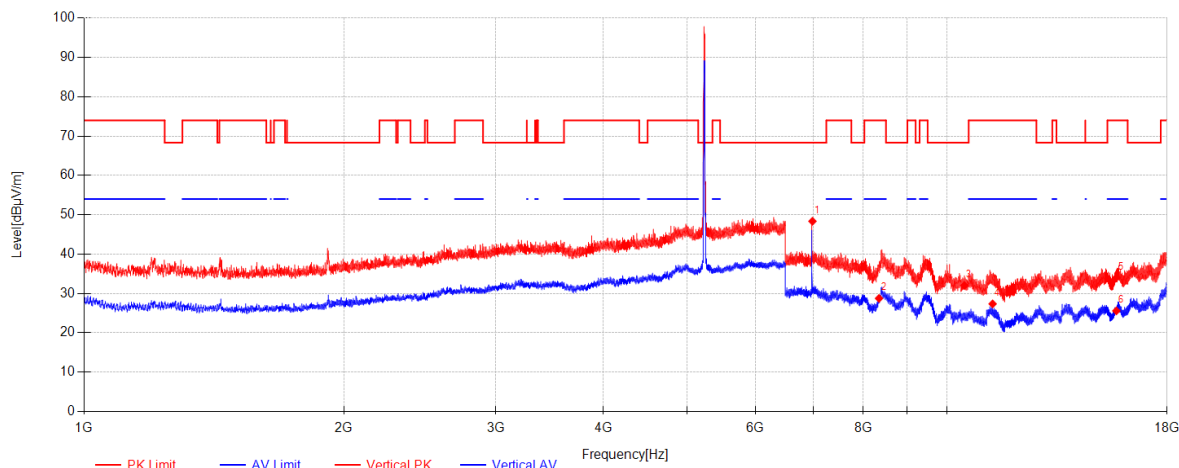
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### 802.11a\_Channel 48



### 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   | 6986.3542       | 55.40          | 36.06     | -43.11      | 48.35          | 68.30          | 19.95       | 216         | 189       | Vertical |
| 2   | 8344.7917       | 33.14          | 37.26     | -41.65      | 28.75          | 54.00          | 25.25       | 154         | 141       | Vertical |
| 3   | 10480.0000      | 31.84          | 38.94     | -38.75      | 32.03          | 68.30          | 36.27       | 129         | 214       | Vertical |
| 4   | 11299.3333      | 25.47          | 39.11     | -37.23      | 27.35          | 54.00          | 26.65       | 258         | 165       | Vertical |
| 5   | 15720.0000      | 28.96          | 38.30     | -33.22      | 34.04          | 74.00          | 39.96       | 146         | 117       | Vertical |
| 6   | 15720.0000      | 20.50          | 38.30     | -33.22      | 25.58          | 54.00          | 28.42       | 239         | 0         | Vertical |



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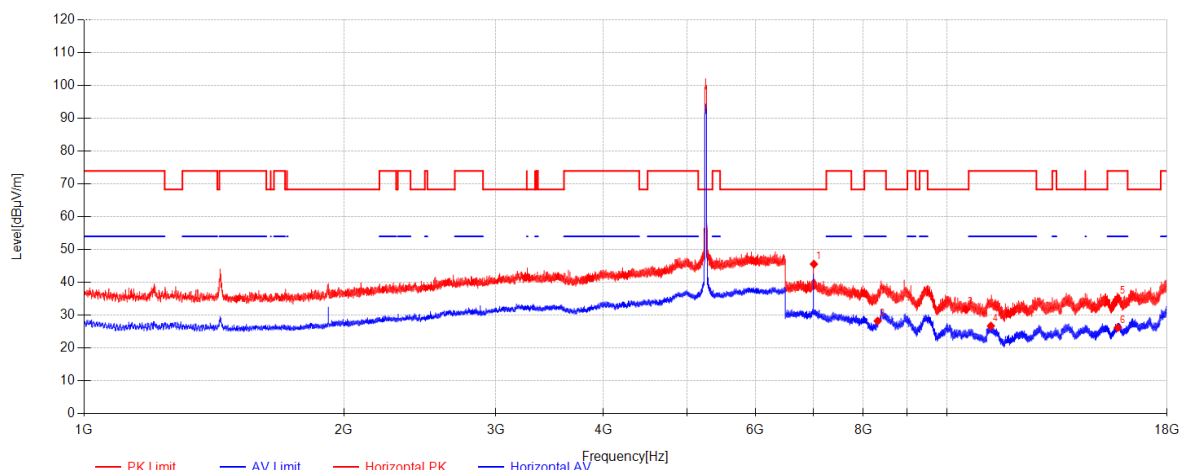
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## 802.11a\_Channel 52



## 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   | 7013.1875       | 52.52          | 36.11     | -43.08      | 45.56          | 68.30          | 22.74       | 284         | 42        | Horizontal |
| 2   | 8313.6458       | 32.79          | 37.22     | -41.80      | 28.21          | 54.00          | 25.79       | 145         | 67        | Horizontal |
| 3   | 10520.0000      | 31.33          | 38.98     | -38.61      | 31.70          | 68.30          | 36.60       | 256         | 0         | Horizontal |
| 4   | 11247.5833      | 24.49          | 39.11     | -36.90      | 26.70          | 54.00          | 27.30       | 236         | 19        | Horizontal |
| 5   | 15780.0000      | 29.90          | 38.22     | -33.10      | 35.02          | 74.00          | 38.98       | 291         | 139       | Horizontal |
| 6   | 15780.0000      | 21.04          | 38.22     | -33.10      | 26.16          | 54.00          | 27.84       | 140         | 91        | Horizontal |



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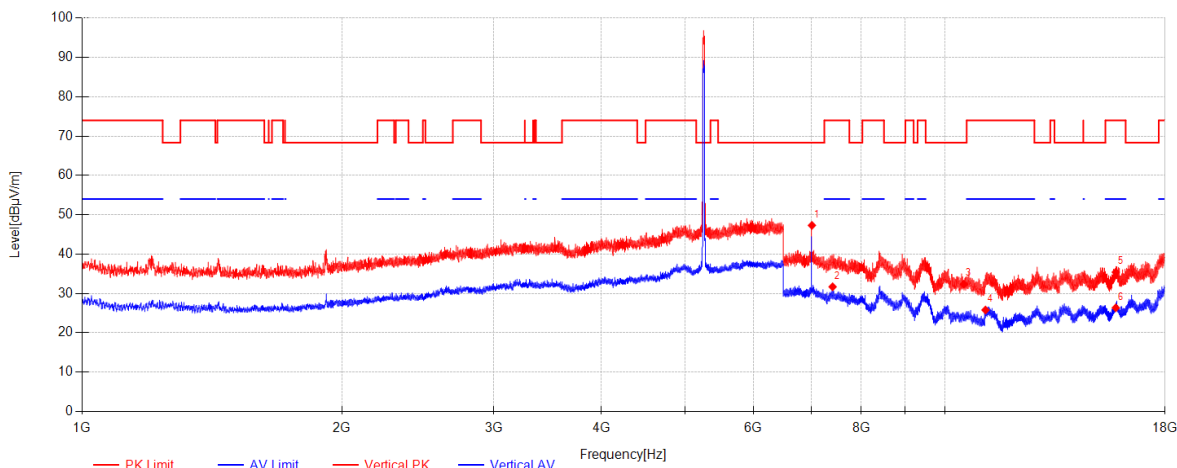
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### 802.11a\_Channel 52



### 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   | 7013.1875       | 54.26          | 36.11     | -43.08      | 47.30          | 68.30          | 21.00       | 284         | 189       | Vertical |
| 2   | 7411.375        | 38.04          | 36.48     | -42.83      | 31.69          | 54.00          | 22.31       | 165         | 189       | Vertical |
| 3   | 10520.0000      | 32.00          | 38.98     | -38.61      | 32.37          | 68.30          | 35.93       | 129         | 90        | Vertical |
| 4   | 11145.5208      | 23.92          | 39.10     | -37.23      | 25.79          | 54.00          | 28.21       | 174         | 42        | Vertical |
| 5   | 15780.0000      | 30.28          | 38.22     | -33.10      | 35.40          | 74.00          | 38.60       | 153         | 0         | Vertical |
| 6   | 15780.0000      | 21.23          | 38.22     | -33.10      | 26.35          | 54.00          | 27.65       | 216         | 141       | Vertical |



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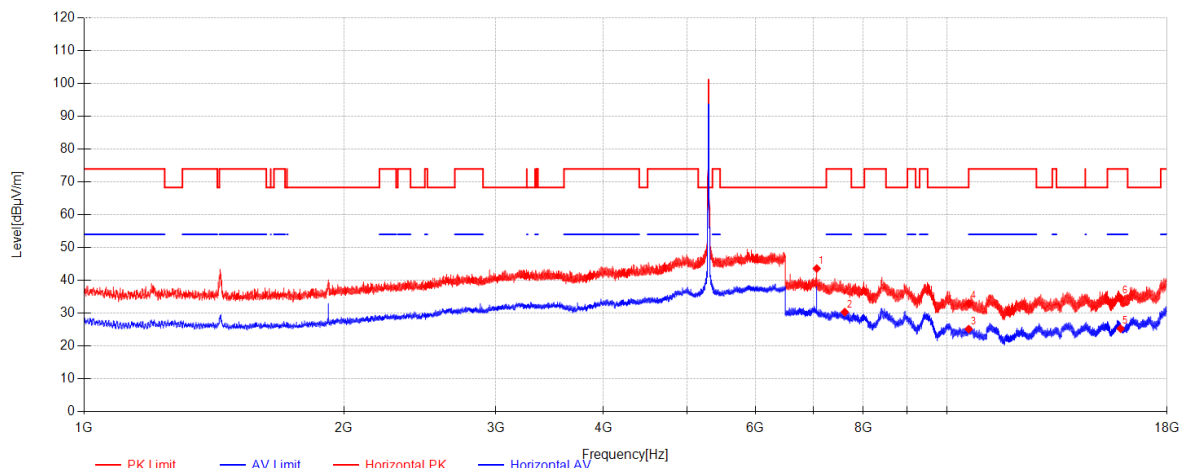
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### 802.11a\_Channel 60



### 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   | 7066.375        | 50.78          | 36.25     | -43.43      | 43.60          | 68.30          | 24.70       | 245         | 44        | Horizontal |
| 2   | 7614.5417       | 36.67          | 36.42     | -42.77      | 30.32          | 54.00          | 23.68       | 263         | 0         | Horizontal |
| 3   | 10600.0000      | 24.08          | 39.06     | -38.01      | 25.13          | 54.00          | 28.87       | 196         | 213       | Horizontal |
| 4   | 10600.0000      | 31.86          | 39.06     | -38.01      | 32.91          | 74.00          | 41.09       | 258         | 189       | Horizontal |
| 5   | 15900.0000      | 21.37          | 38.03     | -34.13      | 25.27          | 54.00          | 28.73       | 148         | 44        | Horizontal |
| 6   | 15900.0000      | 30.65          | 38.03     | -34.13      | 34.55          | 74.00          | 39.45       | 175         | 0         | Horizontal |



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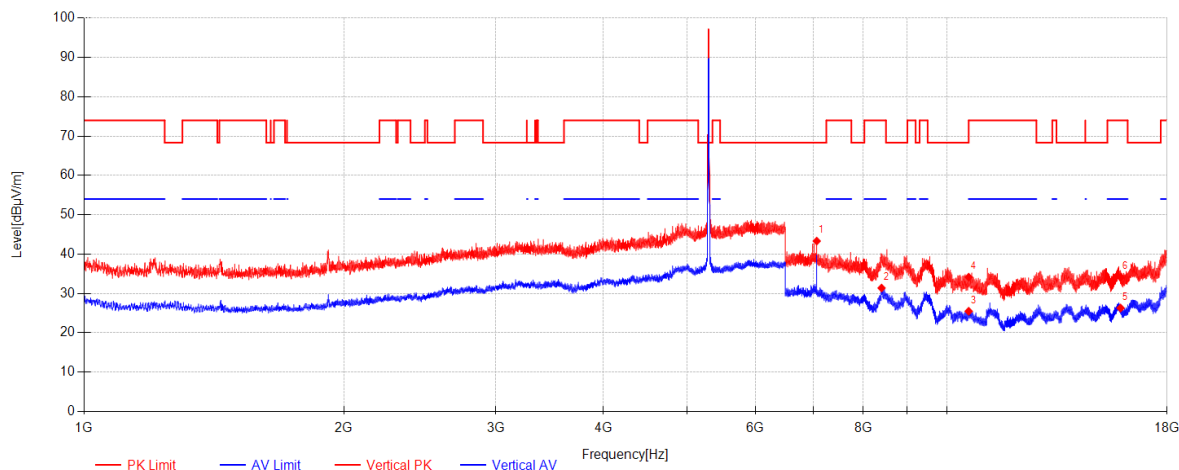
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### 802.11a\_Channel 60



### 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   | 7066.375        | 50.49          | 36.25     | -43.43      | 43.31          | 68.30          | 24.99       | 258         | 190       | Vertical |
| 2   | 8400.8542       | 35.42          | 37.33     | -41.37      | 31.38          | 54.00          | 22.62       | 146         | 190       | Vertical |
| 3   | 10600.0000      | 24.42          | 39.06     | -38.01      | 25.47          | 54.00          | 28.53       | 266         | 166       | Vertical |
| 4   | 10600.0000      | 33.10          | 39.06     | -38.01      | 34.15          | 74.00          | 39.85       | 235         | 190       | Vertical |
| 5   | 15900.0000      | 22.39          | 38.03     | -34.13      | 26.29          | 54.00          | 27.71       | 291         | 44        | Vertical |
| 6   | 15900.0000      | 30.18          | 38.03     | -34.13      | 34.08          | 74.00          | 39.92       | 144         | 0         | Vertical |



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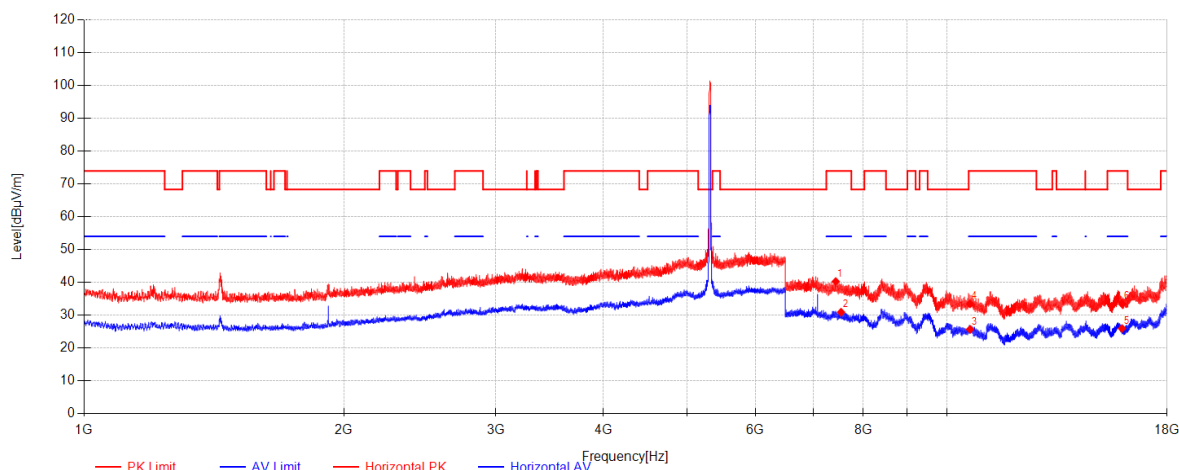
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## 802.11a\_Channel 64



## 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   | 7433.8958       | 46.71          | 36.47     | -42.92      | 40.26          | 74.00          | 33.74       | 215         | 116       | Horizontal |
| 2   | 7540.2708       | 37.47          | 36.42     | -43.00      | 30.89          | 54.00          | 23.11       | 236         | 0         | Horizontal |
| 3   | 10640.0000      | 24.37          | 39.09     | -37.80      | 25.66          | 54.00          | 28.34       | 145         | 69        | Horizontal |
| 4   | 10640.0000      | 32.15          | 39.09     | -37.80      | 33.44          | 74.00          | 40.56       | 295         | 93        | Horizontal |
| 5   | 15960.0000      | 22.63          | 37.93     | -34.63      | 25.93          | 54.00          | 28.07       | 126         | 190       | Horizontal |
| 6   | 15960.0000      | 30.14          | 37.93     | -34.63      | 33.44          | 74.00          | 40.56       | 302         | 69        | Horizontal |



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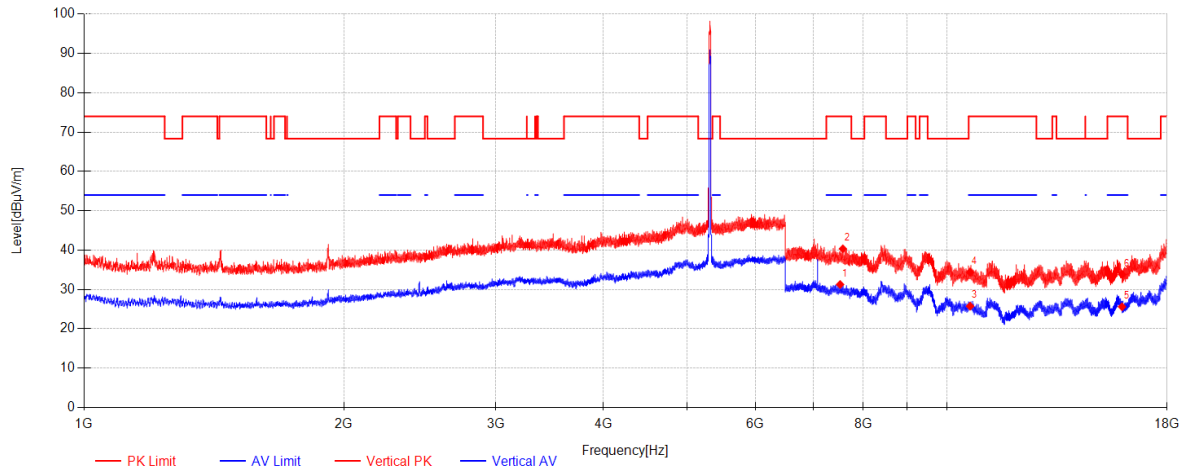
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Rev.: 01

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### 802.11a\_Channel 64



### 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   | 7521.5833       | 37.91          | 36.43     | -43.08      | 31.26          | 54.00          | 22.74       | 255         | 6         | Vertical |
| 2   | 7576.2083       | 46.77          | 36.40     | -42.84      | 40.33          | 74.00          | 33.67       | 162         | 193       | Vertical |
| 3   | 10640.0000      | 24.45          | 39.09     | -37.80      | 25.74          | 54.00          | 28.26       | 132         | 70        | Vertical |
| 4   | 10640.0000      | 33.08          | 39.09     | -37.80      | 34.37          | 74.00          | 39.63       | 142         | 70        | Vertical |
| 5   | 15960.0000      | 22.30          | 37.93     | -34.63      | 25.60          | 54.00          | 28.40       | 189         | 288       | Vertical |
| 6   | 15960.0000      | 30.53          | 37.93     | -34.63      | 33.83          | 74.00          | 40.17       | 143         | 1         | Vertical |



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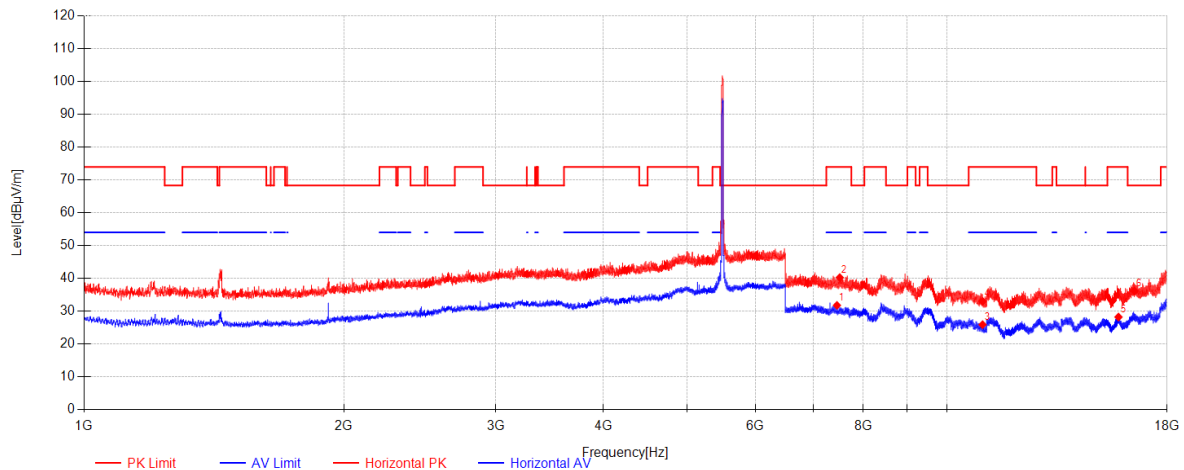
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## 802.11a\_Channel 100



## 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   | 7458.3333       | 38.30          | 36.46     | -43.01      | 31.75          | 54.00          | 22.25       | 258         | 4         | Horizontal |
| 2   | 7513.9167       | 46.91          | 36.43     | -43.11      | 40.23          | 74.00          | 33.77       | 147         | 0         | Horizontal |
| 3   | 11000.0000      | 24.40          | 39.07     | -37.59      | 25.88          | 54.00          | 28.12       | 176         | 136       | Horizontal |
| 4   | 11000.0000      | 31.52          | 39.07     | -37.59      | 33.00          | 74.00          | 41.00       | 194         | 335       | Horizontal |
| 5   | 15809.25        | 23.17          | 38.18     | -33.16      | 28.20          | 54.00          | 25.80       | 128         | 4         | Horizontal |
| 6   | 16500.0000      | 32.50          | 37.93     | -34.28      | 36.14          | 68.30          | 32.16       | 136         | 0         | Horizontal |



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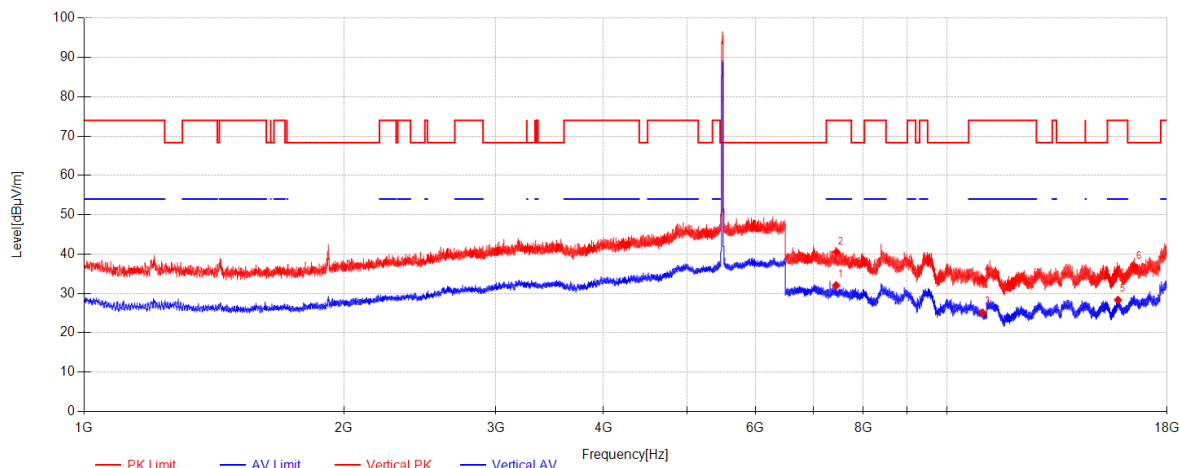
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### 802.11a\_Channel 100



| 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         | 7441.0833       | 38.53          | 36.47     | -42.95      | 32.05          | 54.00          | 21.95       | 254         | 310       | Vertical |
| 2         | 7450.1875       | 46.99          | 36.46     | -42.98      | 40.47          | 74.00          | 33.53       | 163         | 212       | Vertical |
| 3         | 11000.0000      | 23.63          | 39.07     | -37.59      | 25.11          | 54.00          | 28.89       | 194         | 82        | Vertical |
| 4         | 11000.0000      | 32.11          | 39.07     | -37.59      | 33.59          | 74.00          | 40.41       | 258         | 286       | Vertical |
| 5         | 15788.1667      | 23.20          | 38.21     | -33.08      | 28.33          | 54.00          | 25.67       | 146         | 186       | Vertical |
| 6         | 16500.0000      | 33.12          | 37.93     | -34.28      | 36.76          | 68.30          | 31.54       | 192         | 310       | Vertical |



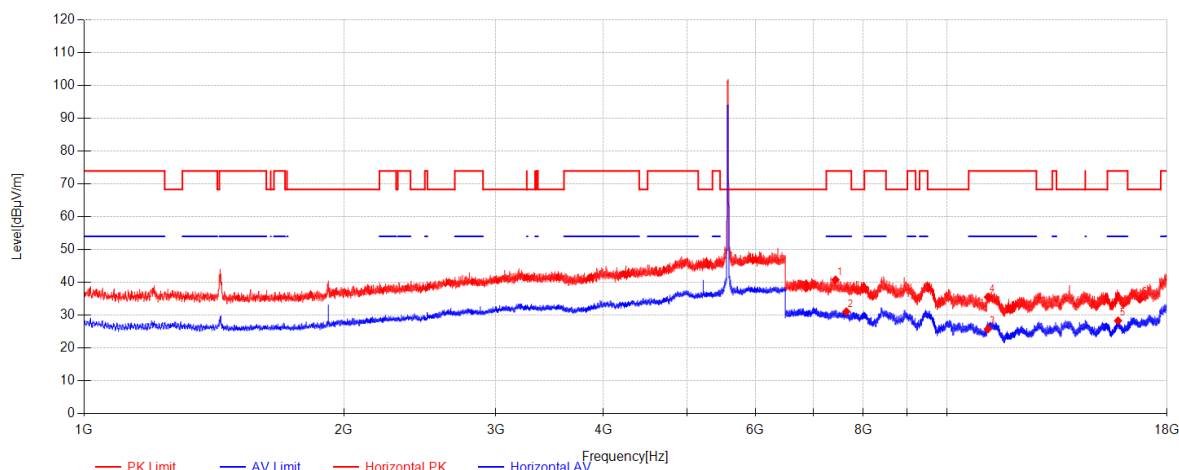
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## 802.11a\_Channel 116



| 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         | 7429.1042       | 47.20          | 36.48     | -42.90      | 40.77          | 74.00          | 33.23       | 215         | 20        | Horizontal |
| 2         | 7647.125        | 37.44          | 36.48     | -42.84      | 31.08          | 54.00          | 22.92       | 145         | 43        | Horizontal |
| 3         | 11160.0000      | 23.71          | 39.10     | -37.06      | 25.76          | 54.00          | 28.24       | 255         | 0         | Horizontal |
| 4         | 11160.0000      | 33.44          | 39.10     | -37.06      | 35.49          | 74.00          | 38.51       | 236         | 20        | Horizontal |
| 5         | 15791.0417      | 23.17          | 38.21     | -33.08      | 28.30          | 54.00          | 25.70       | 195         | 334       | Horizontal |
| 6         | 16740.0000      | 31.29          | 38.31     | -34.77      | 34.83          | 68.30          | 33.47       | 148         | 116       | Horizontal |



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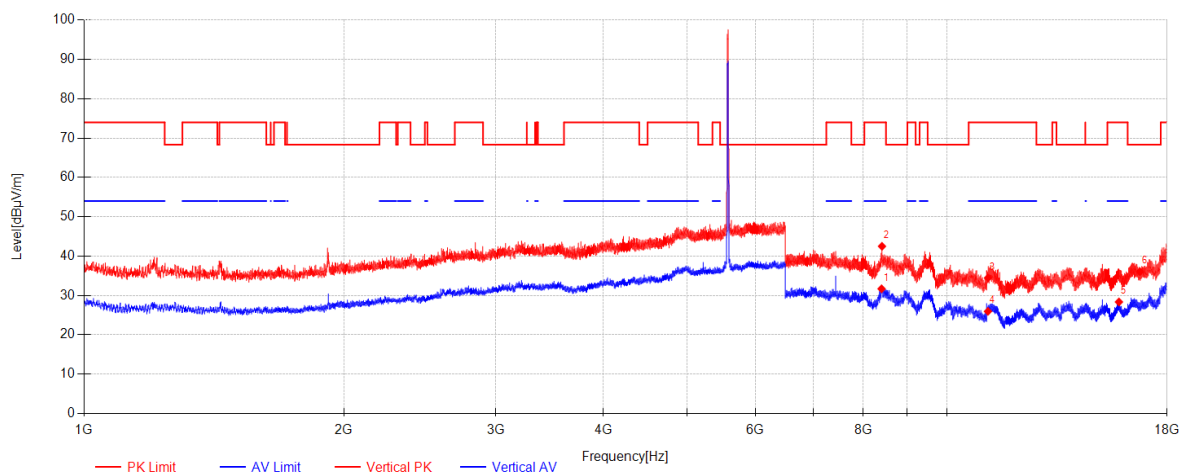
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## 802.11a\_Channel 116



| 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         | 8401.3333       | 35.73          | 37.33     | -41.38      | 31.69          | 54.00          | 22.31       | 213         | 95        | Vertical |
| 2         | 8410.4375       | 46.55          | 37.35     | -41.41      | 42.49          | 74.00          | 31.51       | 236         | 357       | Vertical |
| 3         | 11160.0000      | 32.40          | 39.10     | -37.06      | 34.45          | 74.00          | 39.55       | 145         | 44        | Vertical |
| 4         | 11160.0000      | 23.90          | 39.10     | -37.06      | 25.95          | 54.00          | 28.05       | 251         | 68        | Vertical |
| 5         | 15829.8542      | 23.58          | 38.15     | -33.38      | 28.35          | 54.00          | 25.65       | 126         | 1         | Vertical |
| 6         | 16740.0000      | 32.50          | 38.31     | -34.77      | 36.04          | 68.30          | 32.26       | 156         | 287       | Vertical |



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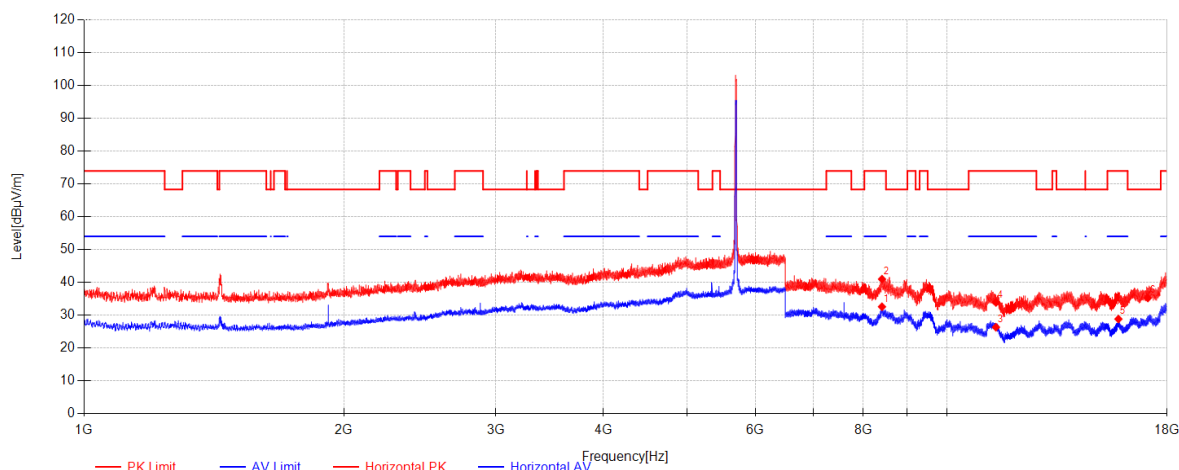
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## 802.11a\_Channel 140



## 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   | 8410.4375       | 36.61          | 37.35     | -41.41      | 32.55          | 54.00          | 21.45       | 216         | 68        | Horizontal |
| 2   | 8411.875        | 45.04          | 37.35     | -41.42      | 40.97          | 74.00          | 33.03       | 145         | 44        | Horizontal |
| 3   | 11400.0000      | 24.71          | 39.11     | -37.51      | 26.31          | 54.00          | 27.69       | 261         | 239       | Horizontal |
| 4   | 11400.0000      | 32.26          | 39.11     | -37.51      | 33.86          | 74.00          | 40.14       | 136         | 68        | Horizontal |
| 5   | 15808.2917      | 23.76          | 38.19     | -33.15      | 28.80          | 54.00          | 25.20       | 299         | 44        | Horizontal |
| 6   | 17100.0000      | 30.41          | 38.56     | -33.74      | 35.22          | 68.30          | 33.08       | 150         | 20        | Horizontal |



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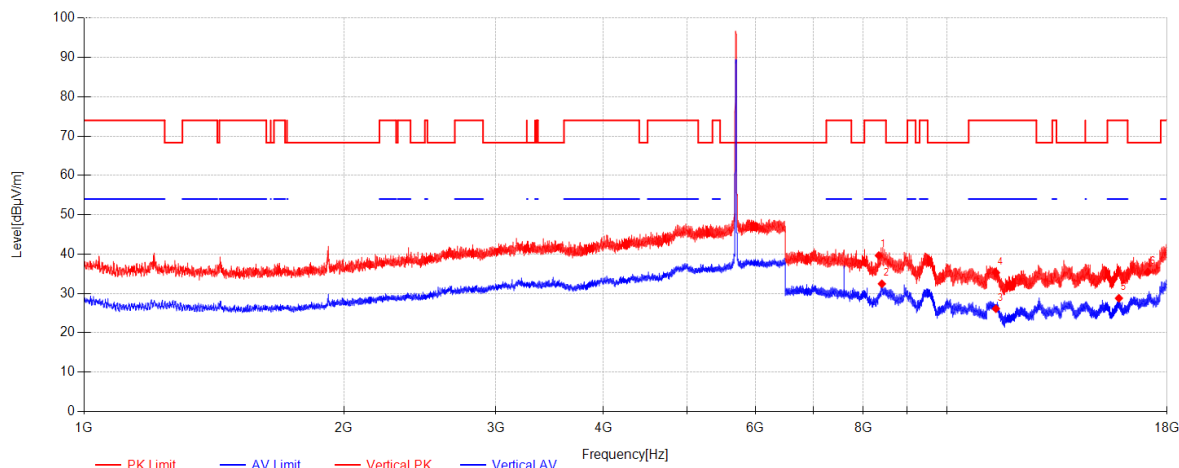
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### 802.11a\_Channel 140



### 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   | 8340            | 44.04          | 37.26     | -41.67      | 39.63          | 74.00          | 34.37       | 210         | 311       | Vertical |
| 2   | 8408.5208       | 36.50          | 37.35     | -41.41      | 32.44          | 54.00          | 21.56       | 163         | 68        | Vertical |
| 3   | 11400.0000      | 24.52          | 39.11     | -37.51      | 26.12          | 54.00          | 27.88       | 145         | 240       | Vertical |
| 4   | 11400.0000      | 33.68          | 39.11     | -37.51      | 35.28          | 74.00          | 38.72       | 215         | 118       | Vertical |
| 5   | 15827.9375      | 23.99          | 38.15     | -33.36      | 28.78          | 54.00          | 25.22       | 192         | 166       | Vertical |
| 6   | 17100.0000      | 30.63          | 38.56     | -33.74      | 35.44          | 68.30          | 32.86       | 133         | 190       | Vertical |



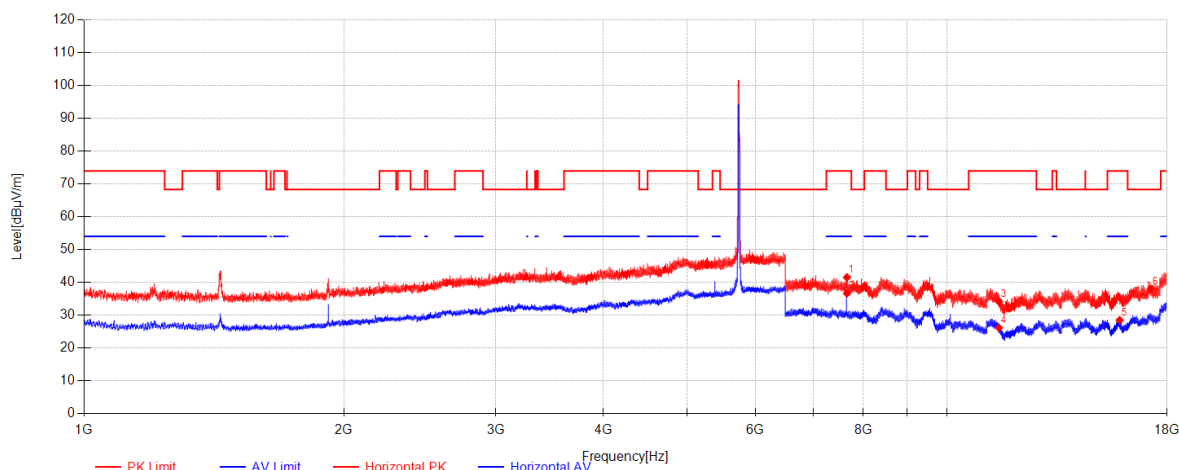
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## 802.11a\_Channel 149



## 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   | 7660.0625       | 47.88          | 36.51     | -42.87      | 41.52          | 74.00          | 32.48       | 254         | 336       | Horizontal |
| 2   | 7660.5417       | 42.97          | 36.51     | -42.87      | 36.61          | 54.00          | 17.39       | 163         | 336       | Horizontal |
| 3   | 11490.0000      | 31.73          | 39.01     | -36.61      | 34.13          | 74.00          | 39.87       | 233         | 336       | Horizontal |
| 4   | 11490.0000      | 23.74          | 39.01     | -36.61      | 26.14          | 54.00          | 27.86       | 261         | 68        | Horizontal |
| 5   | 15861           | 24.06          | 38.10     | -33.71      | 28.44          | 54.00          | 25.56       | 169         | 68        | Horizontal |
| 6   | 17235.0000      | 34.27          | 38.65     | -34.96      | 37.97          | 68.30          | 30.33       | 184         | 239       | Horizontal |



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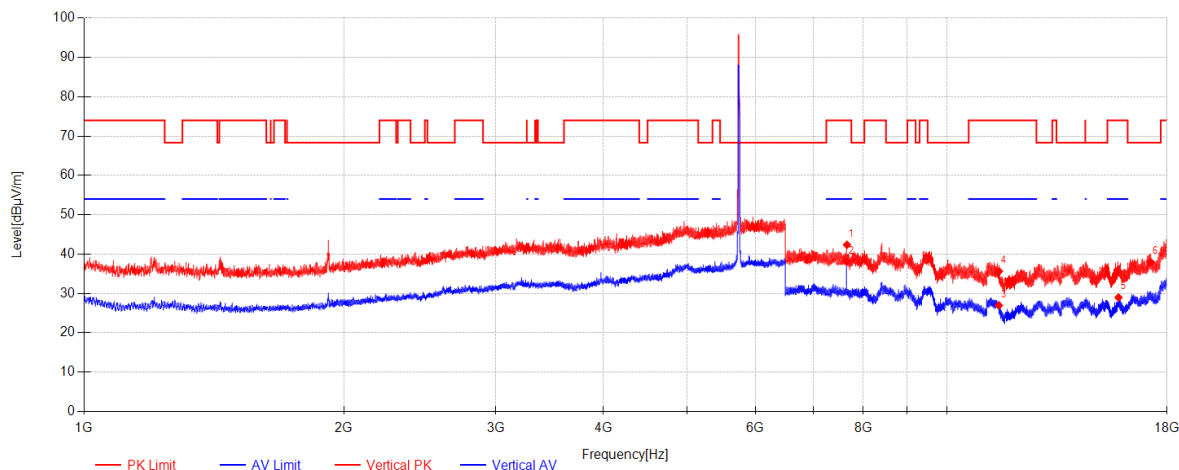
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## 802.11a\_Channel 149



## 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   | 7659.5833       | 48.72          | 36.51     | -42.87      | 42.36          | 74.00          | 31.64       | 256         | 169       | Vertical |
| 2   | 7660.5417       | 44.42          | 36.51     | -42.87      | 38.06          | 54.00          | 15.94       | 148         | 169       | Vertical |
| 3   | 11490.0000      | 24.56          | 39.01     | -36.61      | 26.96          | 54.00          | 27.04       | 152         | 0         | Vertical |
| 4   | 11490.0000      | 33.23          | 39.01     | -36.61      | 35.63          | 74.00          | 38.37       | 129         | 217       | Vertical |
| 5   | 15812.6042      | 24.00          | 38.18     | -33.19      | 28.98          | 54.00          | 25.02       | 211         | 1         | Vertical |
| 6   | 17235.0000      | 34.21          | 38.65     | -34.96      | 37.91          | 68.30          | 30.39       | 213         | 169       | Vertical |



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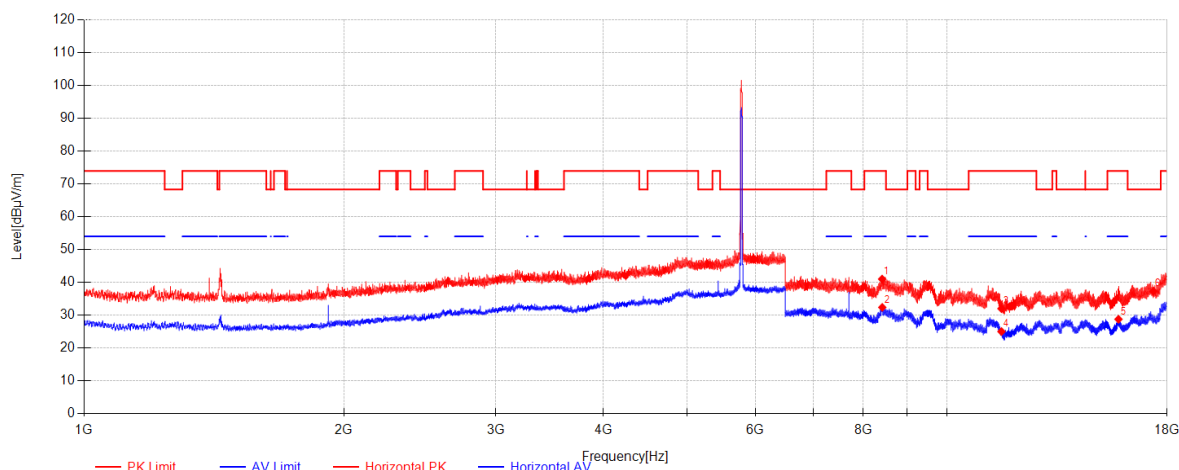
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## 802.11a\_Channel 157



| 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         | 8412.8333       | 45.07          | 37.36     | -41.43      | 41.00          | 74.00          | 33.00       | 215         | 189       | Horizontal |
| 2         | 8417.1458       | 36.44          | 37.37     | -41.44      | 32.36          | 54.00          | 21.64       | 142         | 310       | Horizontal |
| 3         | 11570.0000      | 29.90          | 38.92     | -36.84      | 31.98          | 74.00          | 42.02       | 136         | 357       | Horizontal |
| 4         | 11570.0000      | 22.91          | 38.92     | -36.84      | 24.99          | 54.00          | 29.01       | 266         | 357       | Horizontal |
| 5         | 15808.7708      | 23.71          | 38.19     | -33.15      | 28.74          | 54.00          | 25.26       | 100         | 41        | Horizontal |
| 6         | 17355.0000      | 33.48          | 38.80     | -35.00      | 37.28          | 68.30          | 31.02       | 195         | 0         | Horizontal |



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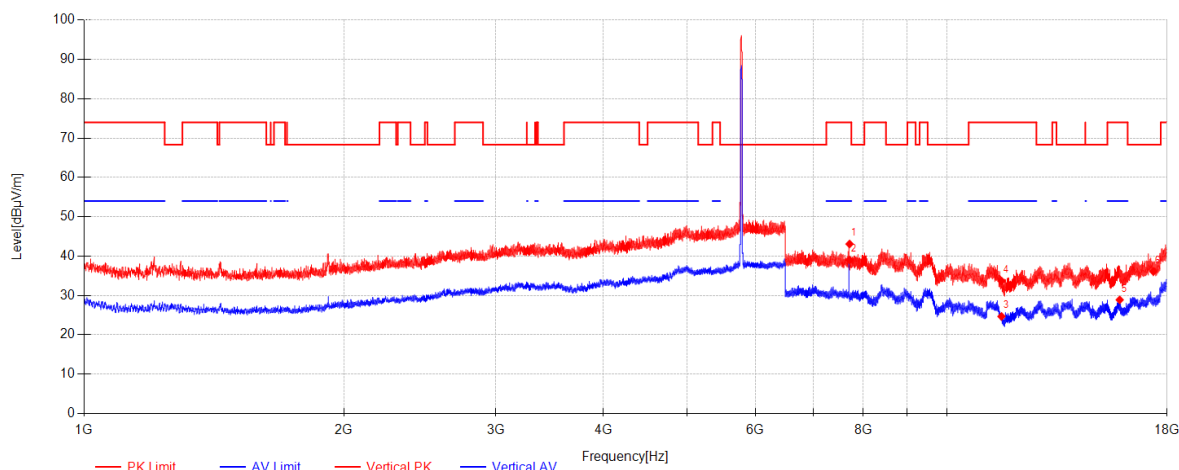
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## 802.11a\_Channel 157



| 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         | 7713.25         | 49.37          | 36.61     | -42.90      | 43.08          | 74.00          | 30.92       | 256         | 168       | Vertical |
| 2         | 7713.7292       | 45.31          | 36.61     | -42.90      | 39.02          | 54.00          | 14.98       | 236         | 168       | Vertical |
| 3         | 11570.0000      | 22.59          | 38.92     | -36.84      | 24.67          | 54.00          | 29.33       | 216         | 70        | Vertical |
| 4         | 11570.0000      | 31.59          | 38.92     | -36.84      | 33.67          | 74.00          | 40.33       | 145         | 1         | Vertical |
| 5         | 15861.9583      | 24.51          | 38.09     | -33.72      | 28.88          | 54.00          | 25.12       | 192         | 70        | Vertical |
| 6         | 17355.0000      | 32.27          | 38.80     | -35.00      | 36.07          | 68.30          | 32.23       | 155         | 264       | Vertical |



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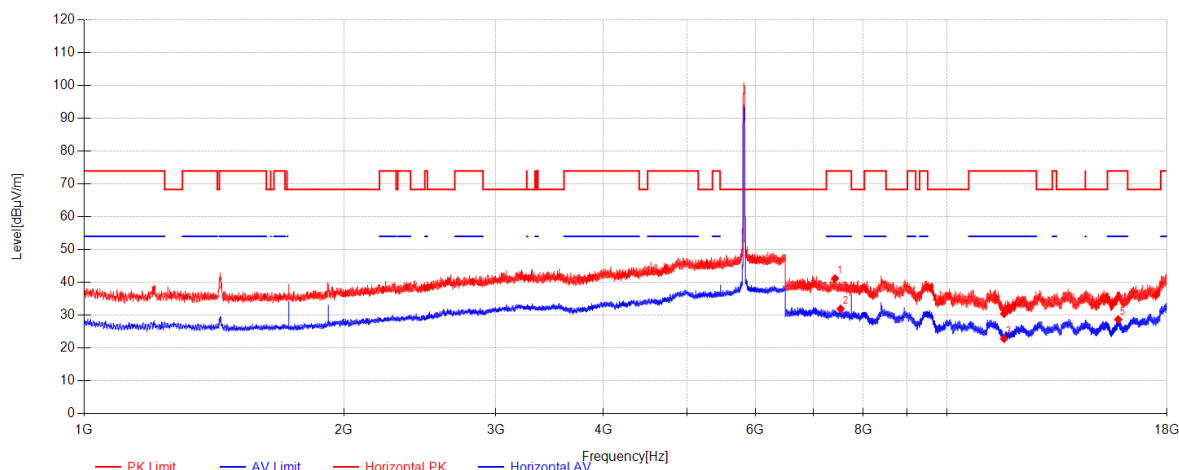
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### 802.11a\_Channel 165



### 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   | 7418.0833       | 47.54          | 36.48     | -42.86      | 41.16          | 74.00          | 32.84       | 256         | 266       | Horizontal |
| 2   | 7532.125        | 38.53          | 36.42     | -43.03      | 31.92          | 54.00          | 22.08       | 142         | 47        | Horizontal |
| 3   | 11650.0000      | 20.45          | 38.85     | -36.53      | 22.77          | 54.00          | 31.23       | 136         | 47        | Horizontal |
| 4   | 11650.0000      | 28.09          | 38.85     | -36.53      | 30.41          | 74.00          | 43.59       | 266         | 7         | Horizontal |
| 5   | 15801.1042      | 23.53          | 38.20     | -33.07      | 28.66          | 54.00          | 25.34       | 125         | 0         | Horizontal |
| 6   | 17475.0000      | 31.09          | 39.11     | -34.07      | 36.13          | 68.30          | 32.17       | 193         | 217       | Horizontal |



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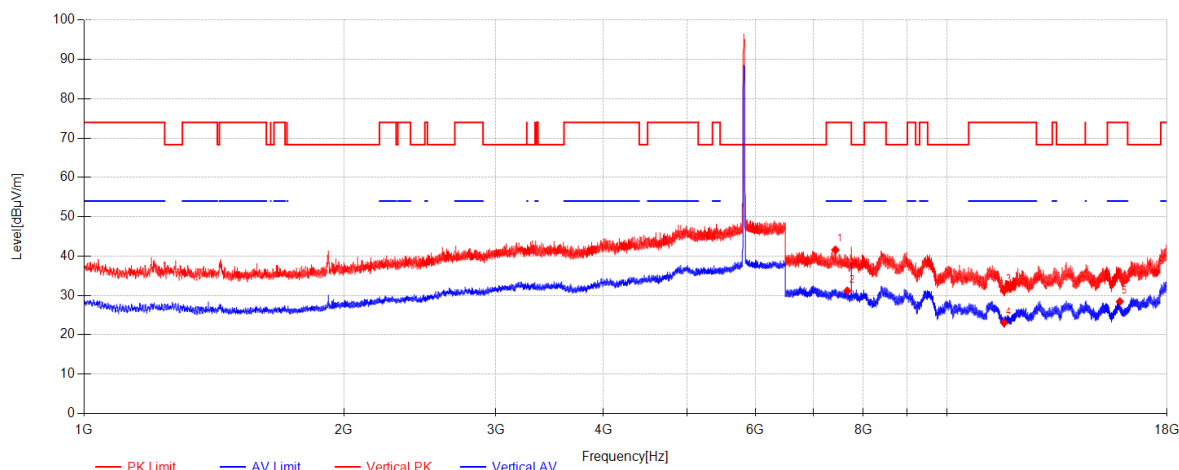
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### 802.11a\_Channel 165



### 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   | 7427.1875       | 48.01          | 36.48     | -42.89      | 41.59          | 74.00          | 32.41       | 253         | 169       | Vertical |
| 2   | 7666.7708       | 37.54          | 36.52     | -42.88      | 31.18          | 54.00          | 22.82       | 152         | 118       | Vertical |
| 3   | 11650.0000      | 28.99          | 38.85     | -36.53      | 31.31          | 74.00          | 42.69       | 145         | 193       | Vertical |
| 4   | 11650.0000      | 20.74          | 38.85     | -36.53      | 23.06          | 54.00          | 30.94       | 129         | 214       | Vertical |
| 5   | 15870.5833      | 24.19          | 38.08     | -33.82      | 28.45          | 54.00          | 25.55       | 166         | 311       | Vertical |
| 6   | 17475.0000      | 30.80          | 39.11     | -34.07      | 35.84          | 68.30          | 32.46       | 142         | 238       | Vertical |



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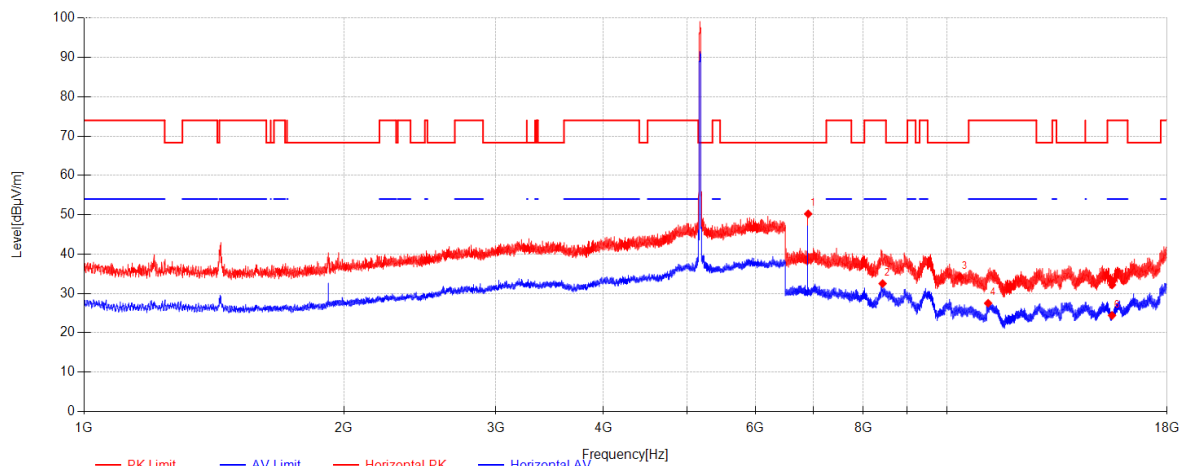
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### 802.11n20\_Channel 36



### 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   | 6906.8125       | 58.09          | 35.97     | -43.84      | 50.22          | 68.30          | 18.08       | 256         | 194       | Horizontal |
| 2   | 8424.8125       | 36.60          | 37.38     | -41.48      | 32.51          | 54.00          | 21.49       | 142         | 147       | Horizontal |
| 3   | 10360.0000      | 34.20          | 38.85     | -38.82      | 34.23          | 68.30          | 34.07       | 136         | 97        | Horizontal |
| 4   | 11163.7292      | 25.42          | 39.10     | -37.02      | 27.51          | 54.00          | 26.49       | 266         | 194       | Horizontal |
| 5   | 15540.0000      | 28.46          | 38.52     | -34.81      | 32.17          | 74.00          | 41.83       | 291         | 359       | Horizontal |
| 6   | 15540.0000      | 20.71          | 38.52     | -34.81      | 24.42          | 54.00          | 29.58       | 148         | 24        | Horizontal |



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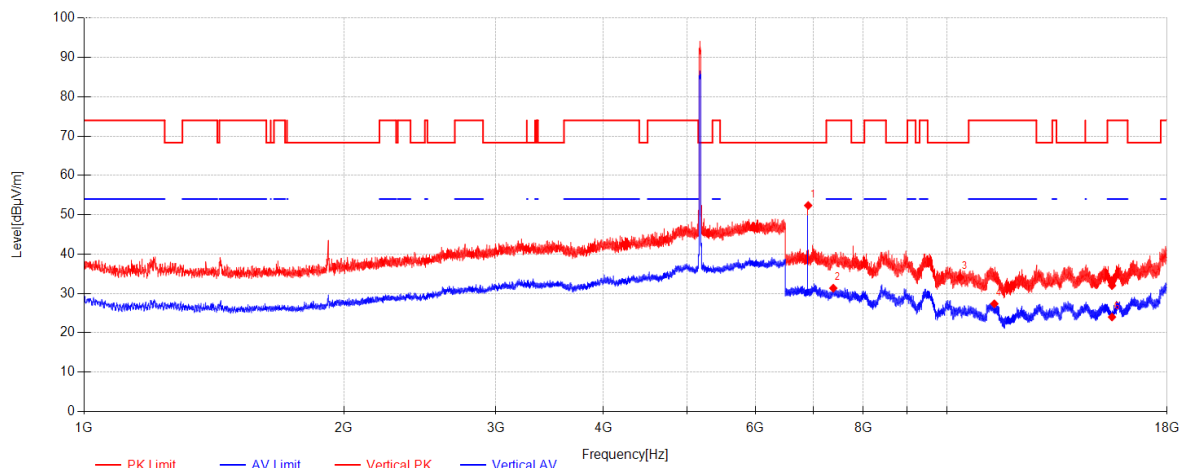
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### 802.11n20\_Channel 36



### 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   | 6906.8125       | 60.23          | 35.97     | -43.84      | 52.36          | 68.30          | 15.94       | 253         | 194       | Vertical |
| 2   | 7385.0208       | 37.71          | 36.50     | -42.87      | 31.34          | 54.00          | 22.66       | 163         | 268       | Vertical |
| 3   | 10360.0000      | 34.08          | 38.85     | -38.82      | 34.11          | 68.30          | 34.19       | 122         | 170       | Vertical |
| 4   | 11351.0833      | 25.63          | 39.11     | -37.37      | 27.37          | 54.00          | 26.63       | 196         | 23        | Vertical |
| 5   | 15540.0000      | 28.30          | 38.52     | -34.81      | 32.01          | 74.00          | 41.99       | 148         | 194       | Vertical |
| 6   | 15540.0000      | 20.29          | 38.52     | -34.81      | 24.00          | 54.00          | 30.00       | 126         | 97        | Vertical |



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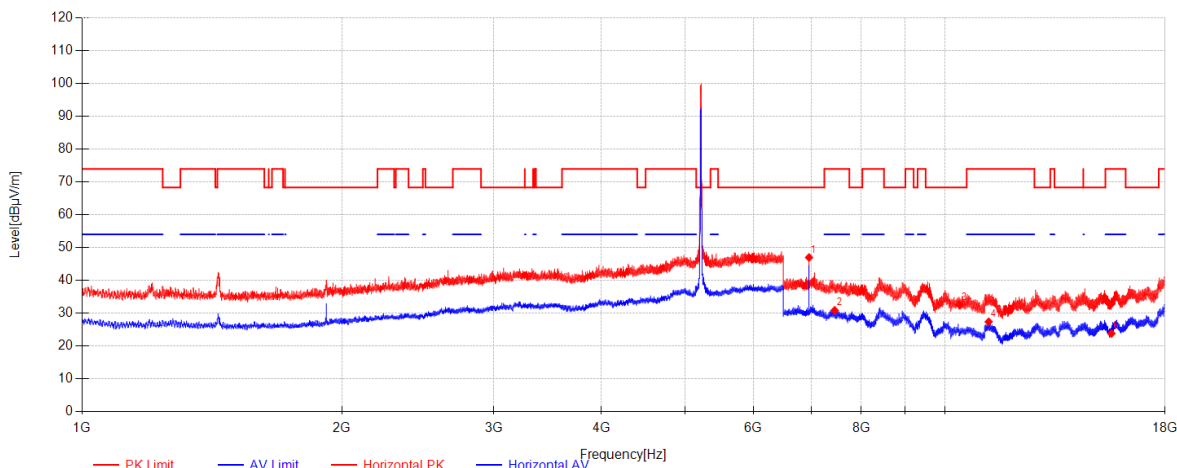
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### 802.11n20\_Channel 44



#### 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   | 6960            | 54.29          | 36.03     | -43.35      | 46.97          | 68.30          | 21.33       | 241         | 196       | Horizontal |
| 2   | 7452.1042       | 37.36          | 36.46     | -42.99      | 30.84          | 54.00          | 23.16       | 165         | 98        | Horizontal |
| 3   | 10400.0000      | 32.41          | 38.86     | -38.72      | 32.55          | 68.30          | 35.75       | 195         | 360       | Horizontal |
| 4   | 11241.8333      | 25.11          | 39.11     | -36.86      | 27.36          | 54.00          | 26.64       | 135         | 295       | Horizontal |
| 5   | 15600.0000      | 28.78          | 38.44     | -34.37      | 32.85          | 74.00          | 41.15       | 258         | 170       | Horizontal |
| 6   | 15600.0000      | 19.71          | 38.44     | -34.37      | 23.78          | 54.00          | 30.22       | 197         | 359       | Horizontal |



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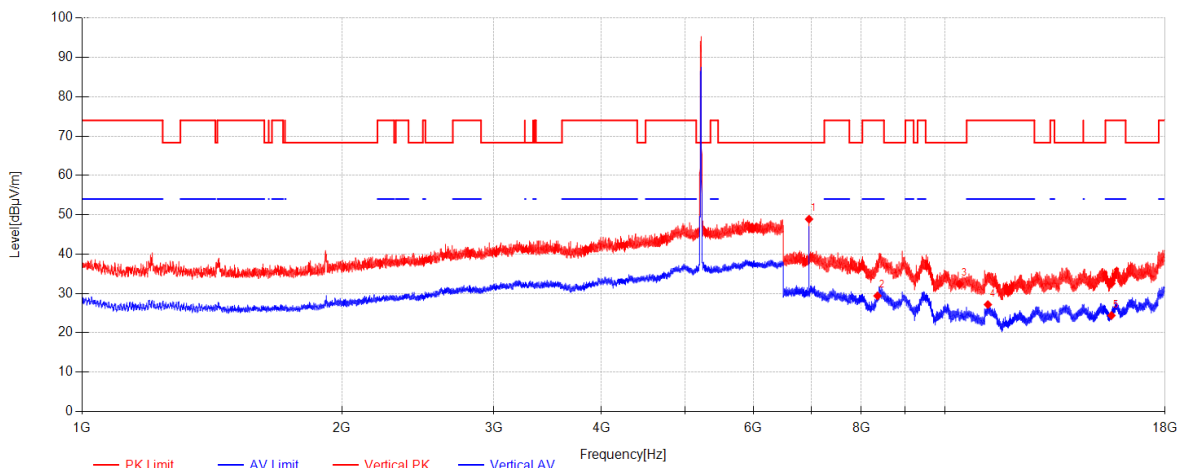
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Rev.: 01

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### 802.11n20\_Channel 44



### 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   | 6960            | 56.20          | 36.03     | -43.35      | 48.88          | 68.30          | 19.42       | 256         | 170       | Vertical |
| 2   | 8354.8542       | 33.72          | 37.27     | -41.60      | 29.40          | 54.00          | 24.60       | 142         | 267       | Vertical |
| 3   | 10400.0000      | 32.23          | 38.86     | -38.72      | 32.37          | 68.30          | 35.93       | 136         | 120       | Vertical |
| 4   | 11216.9167      | 24.77          | 39.11     | -36.71      | 27.17          | 54.00          | 26.83       | 269         | 290       | Vertical |
| 5   | 15600.0000      | 20.33          | 38.44     | -34.37      | 24.40          | 54.00          | 29.60       | 258         | 72        | Vertical |
| 6   | 15600.0000      | 28.48          | 38.44     | -34.37      | 32.55          | 74.00          | 41.45       | 149         | 3         | Vertical |



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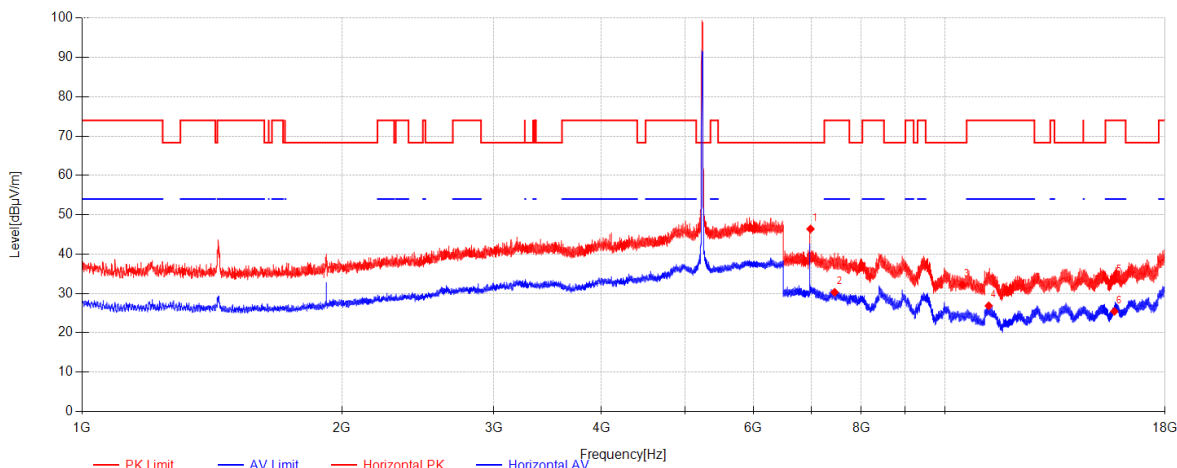
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### 802.11n20\_Channel 48



### 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   | 6986.8333       | 53.44          | 36.06     | -43.11      | 46.39          | 68.30          | 21.91       | 254         | 47        | Horizontal |
| 2   | 7451.625        | 36.82          | 36.46     | -42.99      | 30.30          | 54.00          | 23.70       | 123         | 215       | Horizontal |
| 3   | 10480.0000      | 32.04          | 38.94     | -38.75      | 32.23          | 68.30          | 36.07       | 263         | 313       | Horizontal |
| 4   | 11241.8333      | 24.61          | 39.11     | -36.86      | 26.86          | 54.00          | 27.14       | 251         | 23        | Horizontal |
| 5   | 15720.0000      | 28.18          | 38.30     | -33.22      | 33.26          | 74.00          | 40.74       | 195         | 145       | Horizontal |
| 6   | 15720.0000      | 20.35          | 38.30     | -33.22      | 25.43          | 54.00          | 28.57       | 184         | 353       | Horizontal |



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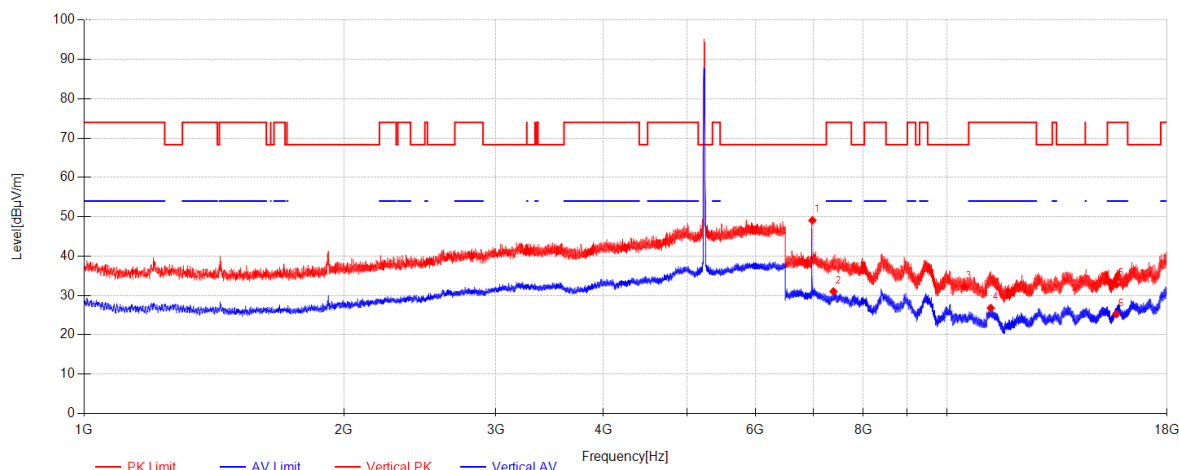
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### 802.11n20\_Channel 48



| 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         | 6986.3542       | 56.12          | 36.06     | -43.11      | 49.07          | 68.30          | 19.23       | 284         | 194       | Vertical |
| 2         | 7388.375        | 37.38          | 36.50     | -42.85      | 31.02          | 54.00          | 22.98       | 195         | 49        | Vertical |
| 3         | 10480.0000      | 32.12          | 38.94     | -38.75      | 32.31          | 68.30          | 35.99       | 147         | 49        | Vertical |
| 4         | 11242.3125      | 24.56          | 39.11     | -36.87      | 26.80          | 54.00          | 27.20       | 163         | 360       | Vertical |
| 5         | 15720.0000      | 27.71          | 38.30     | -33.22      | 32.79          | 74.00          | 41.21       | 253         | 360       | Vertical |
| 6         | 15720.0000      | 20.18          | 38.30     | -33.22      | 25.26          | 54.00          | 28.74       | 146         | 268       | Vertical |



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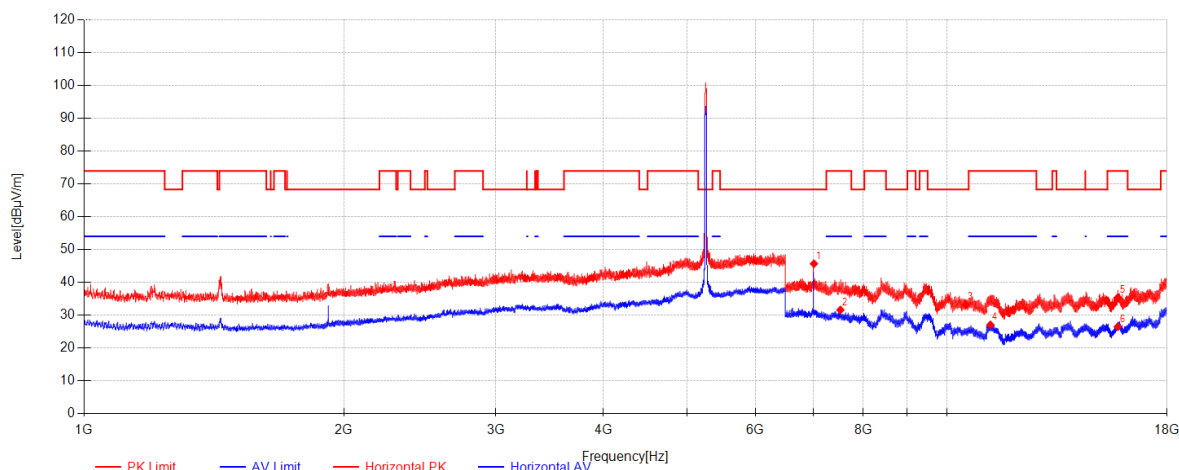
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## 802.11n20\_Channel 52



| 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         | 7013.1875       | 52.63          | 36.11     | -43.08      | 45.67          | 68.30          | 22.63       | 216         | 219       | Horizontal |
| 2         | 7526.8542       | 38.22          | 36.43     | -43.05      | 31.59          | 54.00          | 22.41       | 145         | 48        | Horizontal |
| 3         | 10520.0000      | 32.78          | 38.98     | -38.61      | 33.15          | 68.30          | 35.15       | 136         | 48        | Horizontal |
| 4         | 11234.1667      | 24.74          | 39.11     | -36.82      | 27.03          | 54.00          | 26.97       | 265         | 48        | Horizontal |
| 5         | 15780.0000      | 30.17          | 38.22     | -33.10      | 35.29          | 74.00          | 38.71       | 258         | 24        | Horizontal |
| 6         | 15780.0000      | 21.32          | 38.22     | -33.10      | 26.44          | 54.00          | 27.56       | 196         | 360       | Horizontal |



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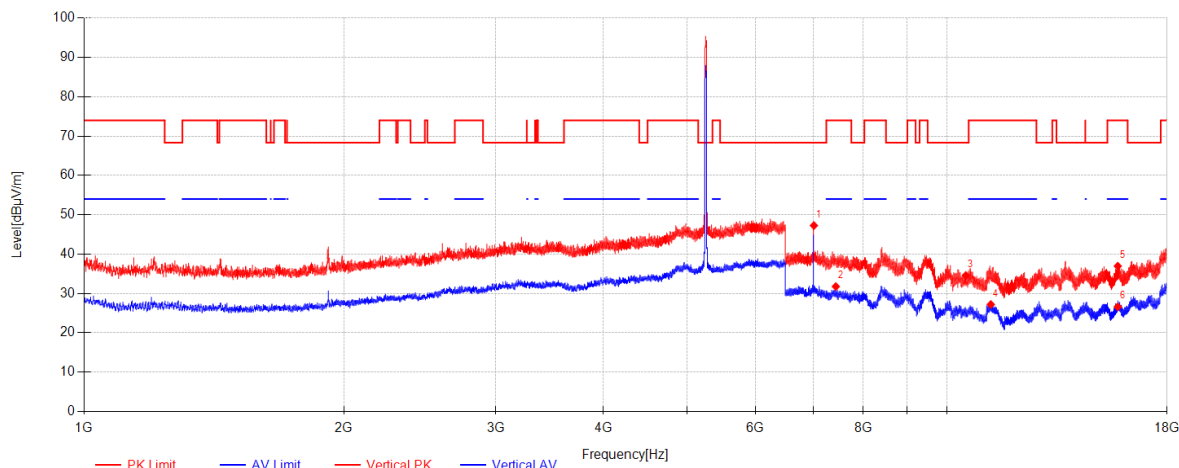
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### 802.11n20\_Channel 52



### 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   | 7013.1875       | 54.22          | 36.11     | -43.08      | 47.26          | 68.30          | 21.04       | 248         | 195       | Vertical |
| 2   | 7435.3333       | 38.21          | 36.47     | -42.92      | 31.76          | 54.00          | 22.24       | 168         | 121       | Vertical |
| 3   | 10520.0000      | 34.20          | 38.98     | -38.61      | 34.57          | 68.30          | 33.73       | 147         | 219       | Vertical |
| 4   | 11245.1875      | 24.97          | 39.11     | -36.88      | 27.20          | 54.00          | 26.80       | 192         | 147       | Vertical |
| 5   | 15780.0000      | 31.84          | 38.22     | -33.10      | 36.96          | 74.00          | 37.04       | 142         | 171       | Vertical |
| 6   | 15780.0000      | 21.48          | 38.22     | -33.10      | 26.60          | 54.00          | 27.40       | 138         | 195       | Vertical |



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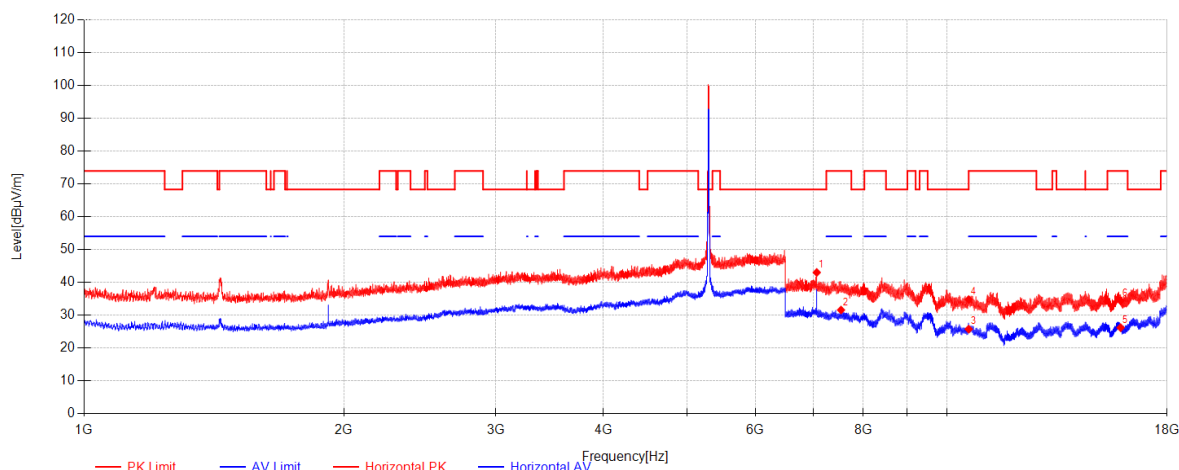
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### 802.11n20\_Channel 60



### 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   | 7066.375        | 50.19          | 36.25     | -43.43      | 43.01          | 68.30          | 25.29       | 254         | 47        | Horizontal |
| 2   | 7539.7917       | 38.14          | 36.42     | -43.00      | 31.56          | 54.00          | 22.44       | 192         | 360       | Horizontal |
| 3   | 10600.0000      | 24.68          | 39.06     | -38.01      | 25.73          | 54.00          | 28.27       | 120         | 218       | Horizontal |
| 4   | 10600.0000      | 33.70          | 39.06     | -38.01      | 34.75          | 74.00          | 39.25       | 132         | 24        | Horizontal |
| 5   | 15900.0000      | 22.27          | 38.03     | -34.13      | 26.17          | 54.00          | 27.83       | 152         | 360       | Horizontal |
| 6   | 15900.0000      | 30.48          | 38.03     | -34.13      | 34.38          | 74.00          | 39.62       | 146         | 339       | Horizontal |



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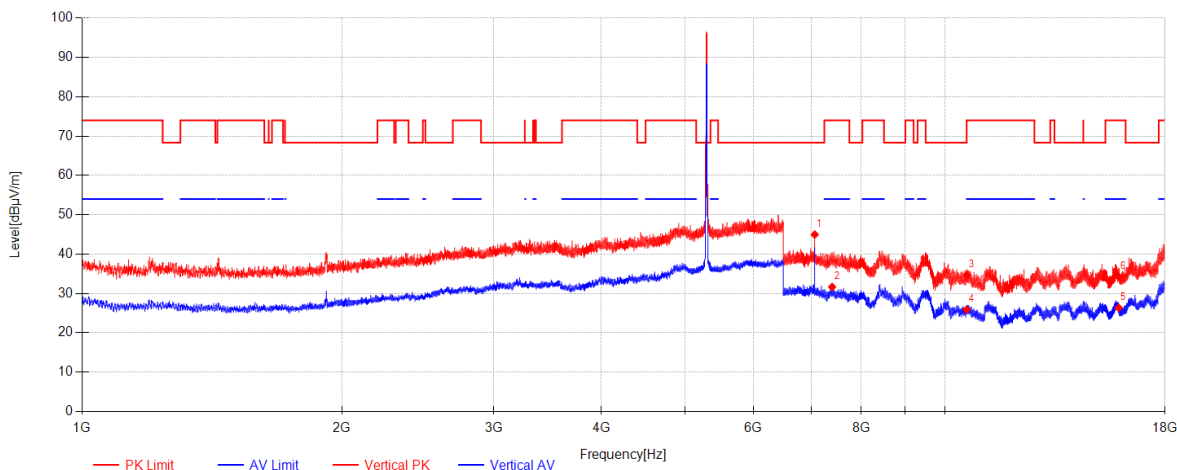
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## 802.11n20\_Channel 60



## 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   | 7066.375        | 52.14          | 36.25     | -43.43      | 44.96          | 68.30          | 23.34       | 246         | 195       | Vertical |
| 2   | 7402.2708       | 37.96          | 36.49     | -42.80      | 31.65          | 54.00          | 22.35       | 235         | 50        | Vertical |
| 3   | 10600.0000      | 33.59          | 39.06     | -38.01      | 34.64          | 74.00          | 39.36       | 159         | 195       | Vertical |
| 4   | 10600.0000      | 24.83          | 39.06     | -38.01      | 25.88          | 54.00          | 28.12       | 196         | 195       | Vertical |
| 5   | 15900.0000      | 22.46          | 38.03     | -34.13      | 26.36          | 54.00          | 27.64       | 148         | 98        | Vertical |
| 6   | 15900.0000      | 30.37          | 38.03     | -34.13      | 34.27          | 74.00          | 39.73       | 175         | 98        | Vertical |



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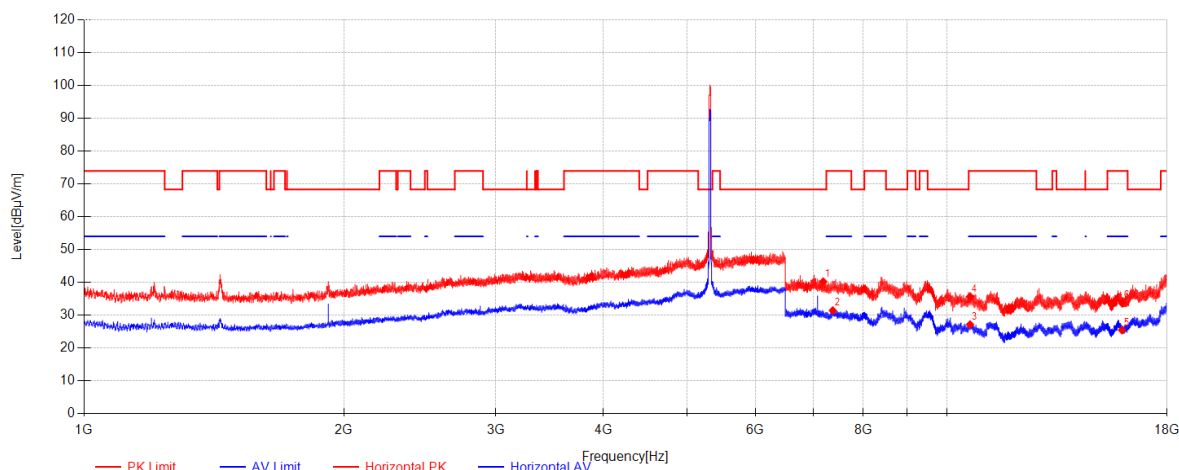
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## 802.11n20\_Channel 64



## 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   | 7190            | 47.26          | 36.57     | -43.62      | 40.22          | 68.30          | 28.08       | 256         | 268       | Horizontal |
| 2   | 7375.9167       | 37.81          | 36.50     | -42.92      | 31.39          | 54.00          | 22.61       | 145         | 339       | Horizontal |
| 3   | 10640.0000      | 25.84          | 39.09     | -37.80      | 27.13          | 54.00          | 26.87       | 233         | 194       | Horizontal |
| 4   | 10640.0000      | 34.39          | 39.09     | -37.80      | 35.68          | 74.00          | 38.32       | 100         | 121       | Horizontal |
| 5   | 15960.0000      | 22.12          | 37.93     | -34.63      | 25.42          | 54.00          | 28.58       | 142         | 47        | Horizontal |
| 6   | 15960.0000      | 30.38          | 37.93     | -34.63      | 33.68          | 74.00          | 40.32       | 192         | 145       | Horizontal |



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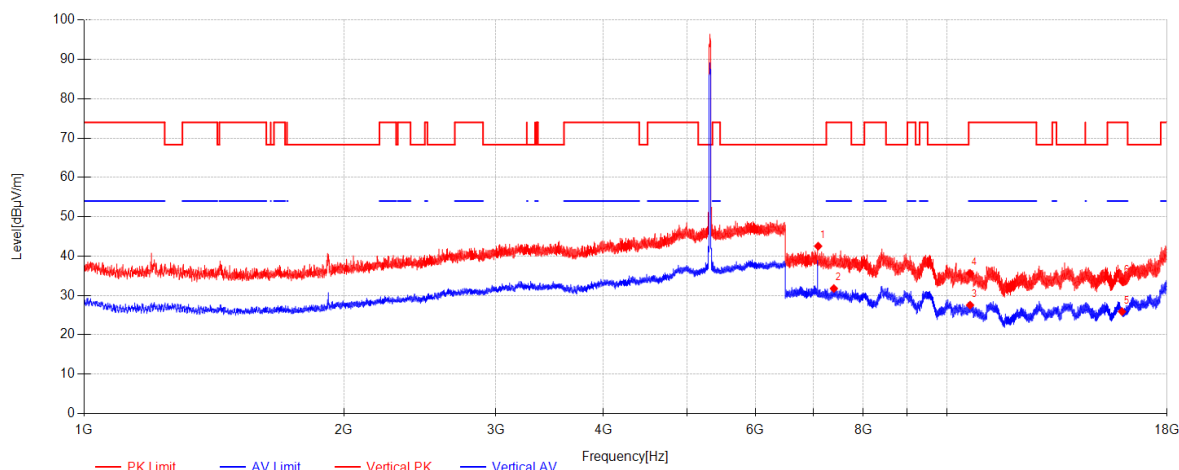
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## 802.11n20\_Channel 64



| 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         | 7093.2083       | 49.81          | 36.32     | -43.61      | 42.52          | 68.30          | 25.78       | 175         | 219       | Vertical |
| 2         | 7397            | 38.07          | 36.49     | -42.81      | 31.76          | 54.00          | 22.24       | 194         | 267       | Vertical |
| 3         | 10640.0000      | 26.25          | 39.09     | -37.80      | 27.54          | 54.00          | 26.46       | 163         | 169       | Vertical |
| 4         | 10640.0000      | 34.32          | 39.09     | -37.80      | 35.61          | 74.00          | 38.39       | 185         | 243       | Vertical |
| 5         | 15960.0000      | 22.60          | 37.93     | -34.63      | 25.90          | 54.00          | 28.10       | 251         | 4         | Vertical |
| 6         | 15960.0000      | 30.36          | 37.93     | -34.63      | 33.66          | 74.00          | 40.34       | 145         | 360       | Vertical |



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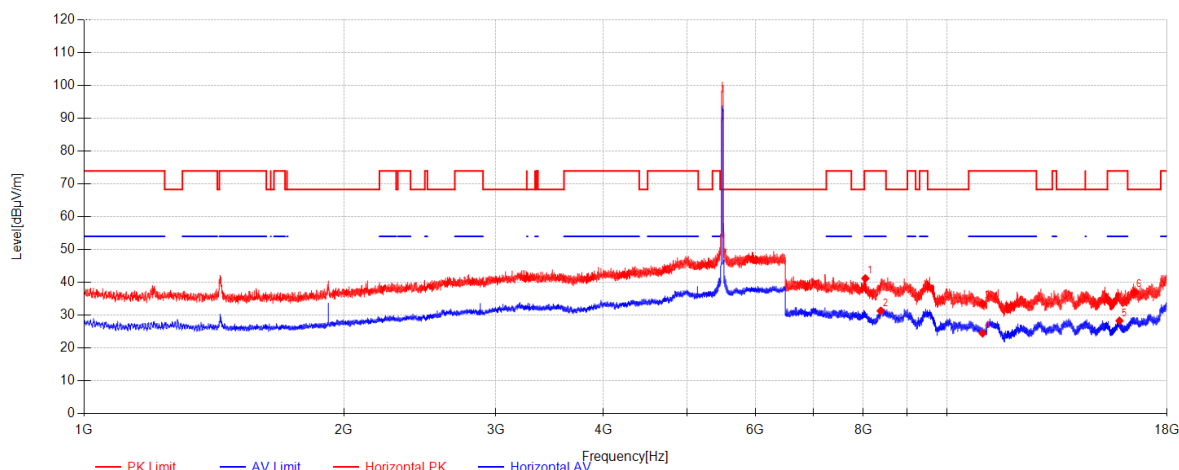
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## 802.11n20\_Channel 100



## 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   | 8045.3125       | 45.94          | 37.03     | -41.77      | 41.19          | 74.00          | 32.81       | 245         | 341       | Horizontal |
| 2   | 8380.7292       | 35.44          | 37.31     | -41.47      | 31.28          | 54.00          | 22.72       | 165         | 341       | Horizontal |
| 3   | 11000.0000      | 31.98          | 39.07     | -37.59      | 33.46          | 74.00          | 40.54       | 128         | 360       | Horizontal |
| 4   | 11000.0000      | 22.97          | 39.07     | -37.59      | 24.45          | 54.00          | 29.55       | 135         | 145       | Horizontal |
| 5   | 15852.8542      | 23.79          | 38.11     | -33.63      | 28.27          | 54.00          | 25.73       | 196         | 341       | Horizontal |
| 6   | 16500.0000      | 33.37          | 37.93     | -34.28      | 37.01          | 68.30          | 31.29       | 175         | 316       | Horizontal |



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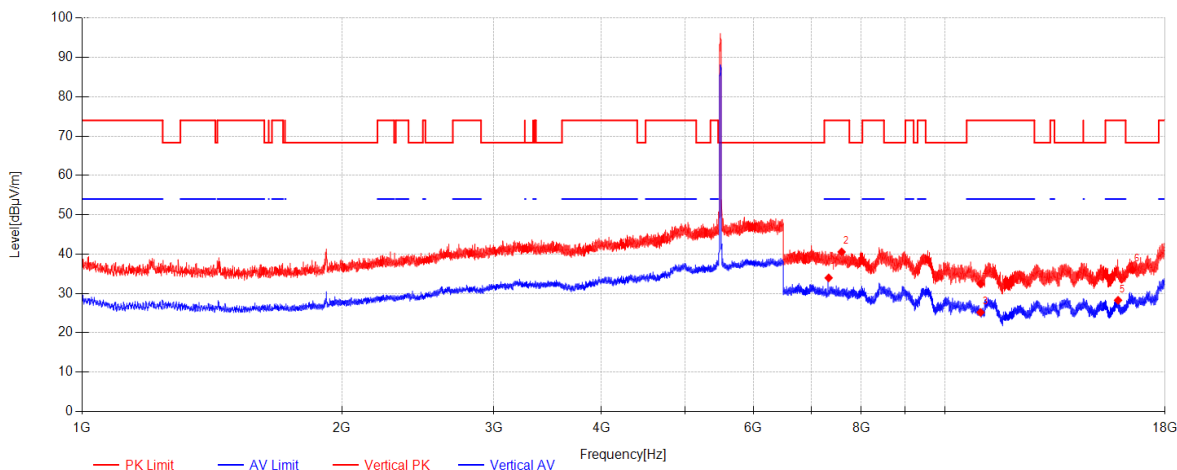
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## 802.11n20\_Channel 100



## 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   | 7333.75         | 40.57          | 36.53     | -43.15      | 33.95          | 54.00          | 20.05       | 254         | 48        | Vertical |
| 2   | 7592.5          | 46.94          | 36.39     | -42.77      | 40.56          | 74.00          | 33.44       | 136         | 243       | Vertical |
| 3   | 11000.0000      | 23.70          | 39.07     | -37.59      | 25.18          | 54.00          | 28.82       | 166         | 70        | Vertical |
| 4   | 11000.0000      | 30.95          | 39.07     | -37.59      | 32.43          | 74.00          | 41.57       | 254         | 48        | Vertical |
| 5   | 15876.3333      | 24.08          | 38.07     | -33.88      | 28.27          | 54.00          | 25.73       | 125         | 289       | Vertical |
| 6   | 16500.0000      | 32.36          | 37.93     | -34.28      | 36.00          | 68.30          | 32.30       | 188         | 169       | Vertical |



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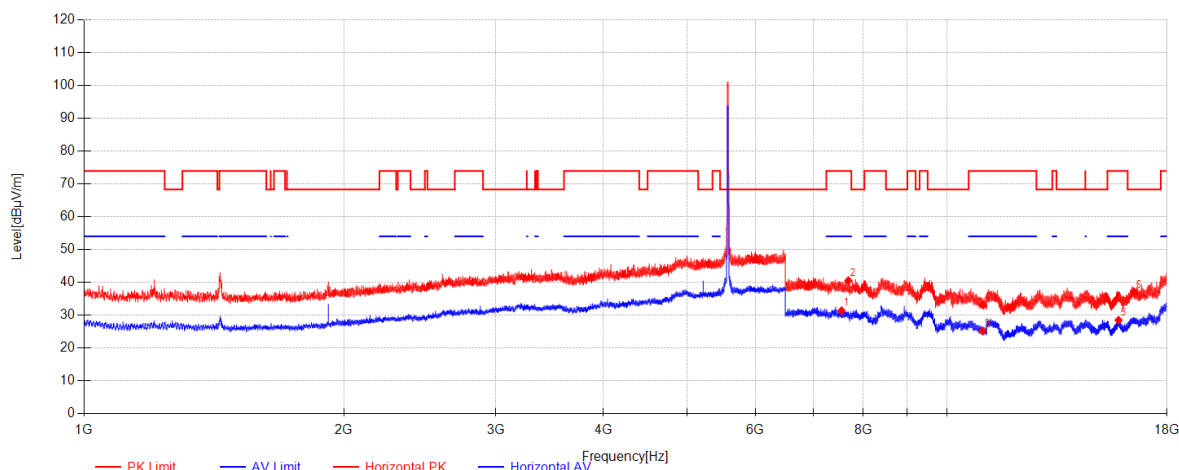
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## 802.11n20\_Channel 116



## 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   | 7549.8542       | 37.90          | 36.42     | -42.96      | 31.36          | 54.00          | 22.64       | 236         | 359       | Horizontal |
| 2   | 7688.3333       | 46.89          | 36.56     | -42.93      | 40.53          | 74.00          | 33.47       | 251         | 73        | Horizontal |
| 3   | 11000.0000      | 23.67          | 39.07     | -37.59      | 25.15          | 54.00          | 28.85       | 163         | 195       | Horizontal |
| 4   | 11000.0000      | 31.68          | 39.07     | -37.59      | 33.16          | 74.00          | 40.84       | 142         | 354       | Horizontal |
| 5   | 15813.0833      | 23.48          | 38.18     | -33.20      | 28.46          | 54.00          | 25.54       | 251         | 73        | Horizontal |
| 6   | 16500.0000      | 33.28          | 37.93     | -34.28      | 36.92          | 68.30          | 31.38       | 163         | 268       | Horizontal |



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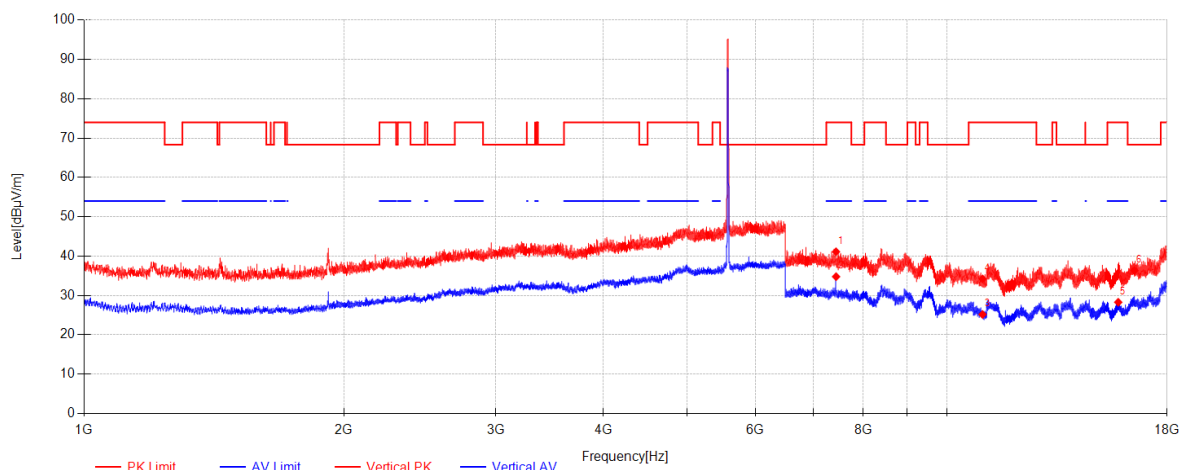
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Report No.: SEWA2209000044RG04

Rev.: 01

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### 802.11n20\_Channel 116



### 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   | 7440.125        | 47.58          | 36.47     | -42.94      | 41.11          | 74.00          | 32.89       | 214         | 46        | Vertical |
| 2   | 7440.6042       | 41.25          | 36.47     | -42.94      | 34.78          | 54.00          | 19.22       | 236         | 191       | Vertical |
| 3   | 11000.0000      | 23.69          | 39.07     | -37.59      | 25.17          | 54.00          | 28.83       | 198         | 240       | Vertical |
| 4   | 11000.0000      | 32.73          | 39.07     | -37.59      | 34.21          | 74.00          | 39.79       | 251         | 359       | Vertical |
| 5   | 15801.1042      | 23.14          | 38.20     | -33.07      | 28.27          | 54.00          | 25.73       | 145         | 3         | Vertical |
| 6   | 16500.0000      | 32.67          | 37.93     | -34.28      | 36.31          | 68.30          | 31.99       | 182         | 93        | Vertical |



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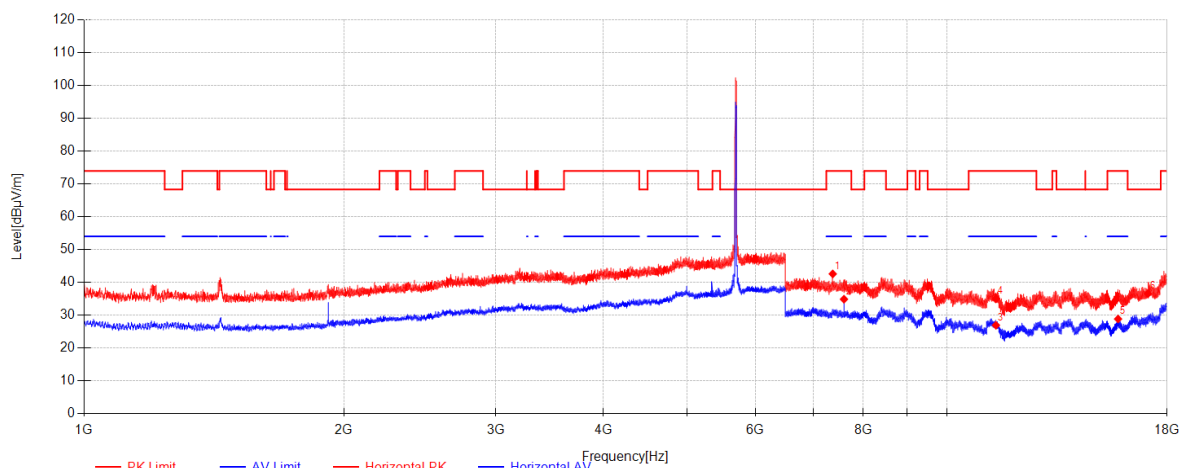
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## 802.11n20\_Channel 140



## 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   | 7374.9583       | 48.99          | 36.50     | -42.93      | 42.57          | 74.00          | 31.43       | 156         | 265       | Horizontal |
| 2   | 7600.1667       | 41.20          | 36.39     | -42.74      | 34.85          | 54.00          | 19.15       | 142         | 353       | Horizontal |
| 3   | 11400.0000      | 25.30          | 39.11     | -37.51      | 26.90          | 54.00          | 27.10       | 148         | 97        | Horizontal |
| 4   | 11400.0000      | 33.38          | 39.11     | -37.51      | 34.98          | 74.00          | 39.02       | 198         | 289       | Horizontal |
| 5   | 15792.9583      | 23.70          | 38.21     | -33.07      | 28.83          | 54.00          | 25.17       | 126         | 47        | Horizontal |
| 6   | 17100.0000      | 31.70          | 38.56     | -33.74      | 36.51          | 68.30          | 31.79       | 235         | 194       | Horizontal |



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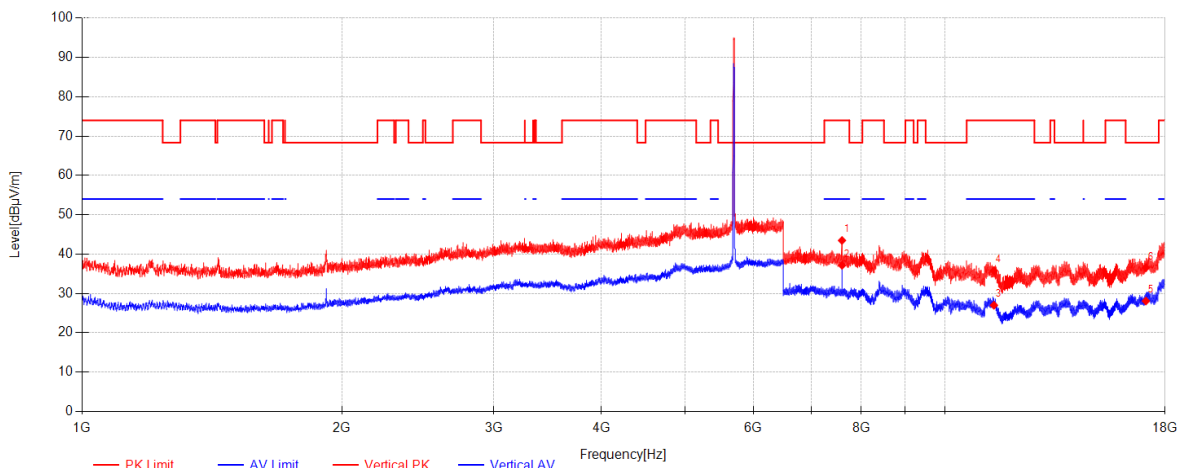
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### 802.11n20\_Channel 140



### 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   | 7600.1667       | 49.82          | 36.39     | -42.74      | 43.47          | 74.00          | 30.53       | 215         | 171       | Vertical |
| 2   | 7600.1667       | 43.50          | 36.39     | -42.74      | 37.15          | 54.00          | 16.85       | 196         | 171       | Vertical |
| 3   | 11400.0000      | 25.41          | 39.11     | -37.51      | 27.01          | 54.00          | 26.99       | 183         | 359       | Vertical |
| 4   | 11400.0000      | 34.17          | 39.11     | -37.51      | 35.77          | 74.00          | 38.23       | 148         | 50        | Vertical |
| 5   | 17100.0000      | 23.27          | 38.56     | -33.74      | 28.08          | -              | -           | 236         | 219       | Vertical |
| 6   | 17100.0000      | 31.73          | 38.56     | -33.74      | 36.54          | 68.30          | 31.76       | 251         | 24        | Vertical |



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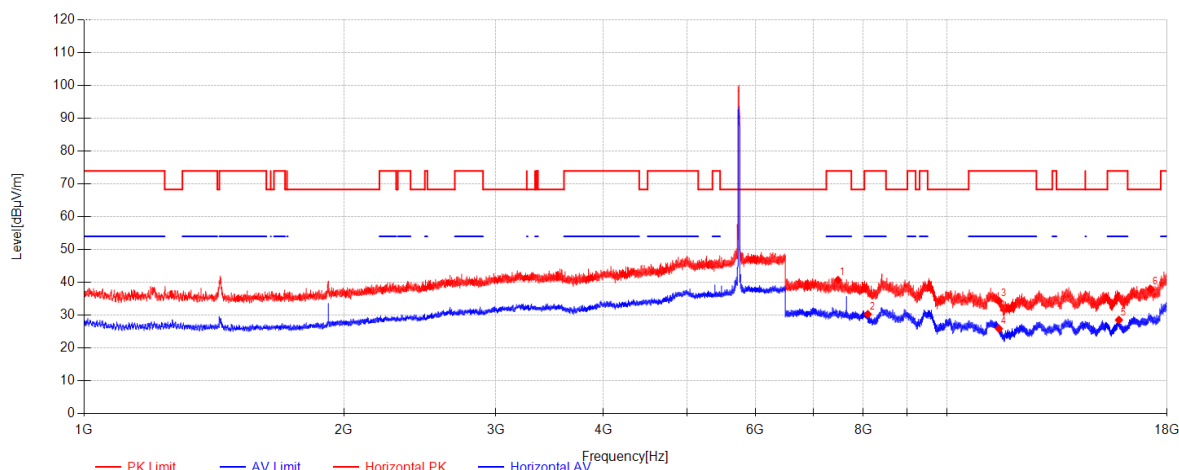
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## 802.11n20\_Channel 149



## 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   | 7477.5          | 47.32          | 36.45     | -43.08      | 40.69          | 74.00          | 33.31       | 284         | 147       | Horizontal |
| 2   | 8098.9792       | 34.57          | 37.04     | -41.35      | 30.27          | 54.00          | 23.73       | 156         | 319       | Horizontal |
| 3   | 11490.0000      | 31.89          | 39.01     | -36.61      | 34.29          | 74.00          | 39.71       | 251         | 245       | Horizontal |
| 4   | 11490.0000      | 23.48          | 39.01     | -36.61      | 25.88          | 54.00          | 28.12       | 236         | 319       | Horizontal |
| 5   | 15827.9375      | 23.72          | 38.15     | -33.36      | 28.51          | 54.00          | 25.49       | 169         | 295       | Horizontal |
| 6   | 17235.0000      | 34.13          | 38.65     | -34.96      | 37.83          | 68.30          | 30.47       | 192         | 74        | Horizontal |



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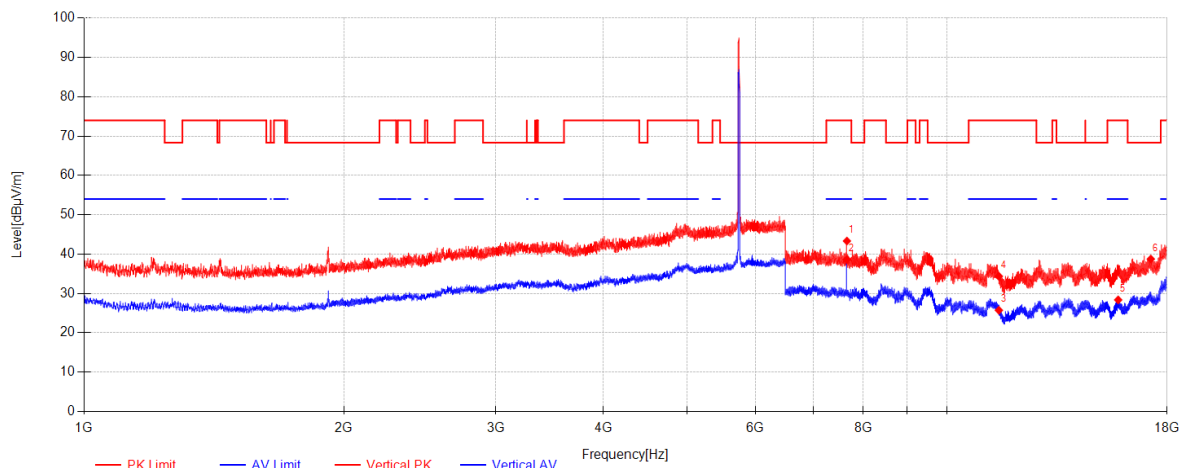
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### 802.11n20\_Channel 149



| 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         | 7659.5833       | 49.69          | 36.51     | -42.87      | 43.33          | 74.00          | 30.67       | 214         | 170       | Vertical |
| 2         | 7660.5417       | 44.98          | 36.51     | -42.87      | 38.62          | 54.00          | 15.38       | 132         | 170       | Vertical |
| 3         | 11490.0000      | 23.33          | 39.01     | -36.61      | 25.73          | 54.00          | 28.27       | 251         | 73        | Vertical |
| 4         | 11490.0000      | 31.96          | 39.01     | -36.61      | 34.36          | 74.00          | 39.64       | 263         | 340       | Vertical |
| 5         | 15798.2292      | 23.22          | 38.20     | -33.06      | 28.36          | 54.00          | 25.64       | 196         | 218       | Vertical |
| 6         | 17235.0000      | 35.04          | 38.65     | -34.96      | 38.74          | 68.30          | 29.56       | 154         | 218       | Vertical |



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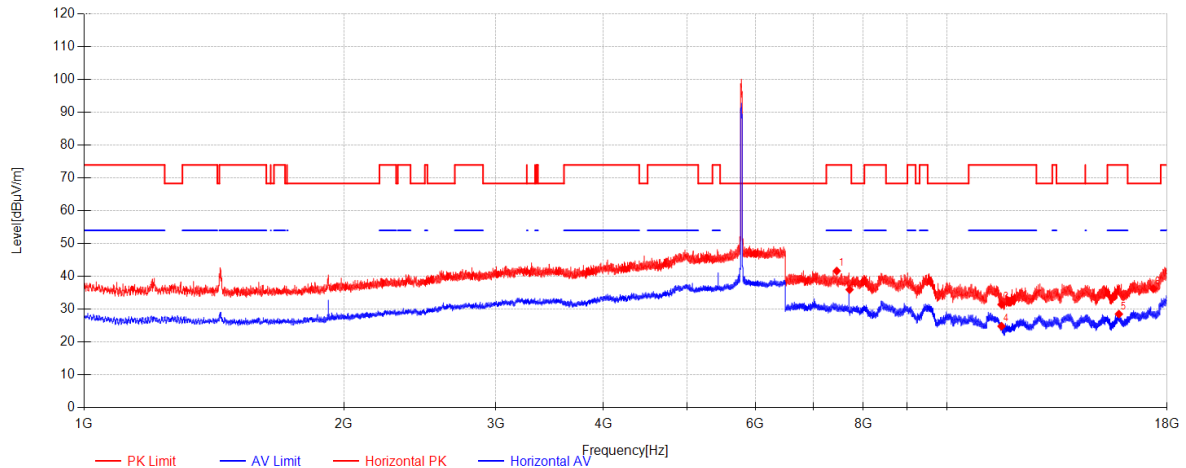
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### 802.11n20\_Channel 157



### 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   | 7454.0208       | 48.17          | 36.46     | -43.00      | 41.64          | 74.00          | 32.36       | 245         | 145       | Horizontal |
| 2   | 7713.7292       | 42.25          | 36.61     | -42.90      | 35.96          | 54.00          | 18.04       | 132         | 339       | Horizontal |
| 3   | 11570.0000      | 29.35          | 38.92     | -36.84      | 31.43          | 74.00          | 42.57       | 158         | 3         | Horizontal |
| 4   | 11570.0000      | 22.70          | 38.92     | -36.84      | 24.78          | 54.00          | 29.22       | 266         | 316       | Horizontal |
| 5   | 15827.9375      | 23.70          | 38.15     | -33.36      | 28.49          | 54.00          | 25.51       | 195         | 216       | Horizontal |
| 6   | 17355.0000      | 32.39          | 38.80     | -35.00      | 36.19          | 68.30          | 32.11       | 142         | 354       | Horizontal |



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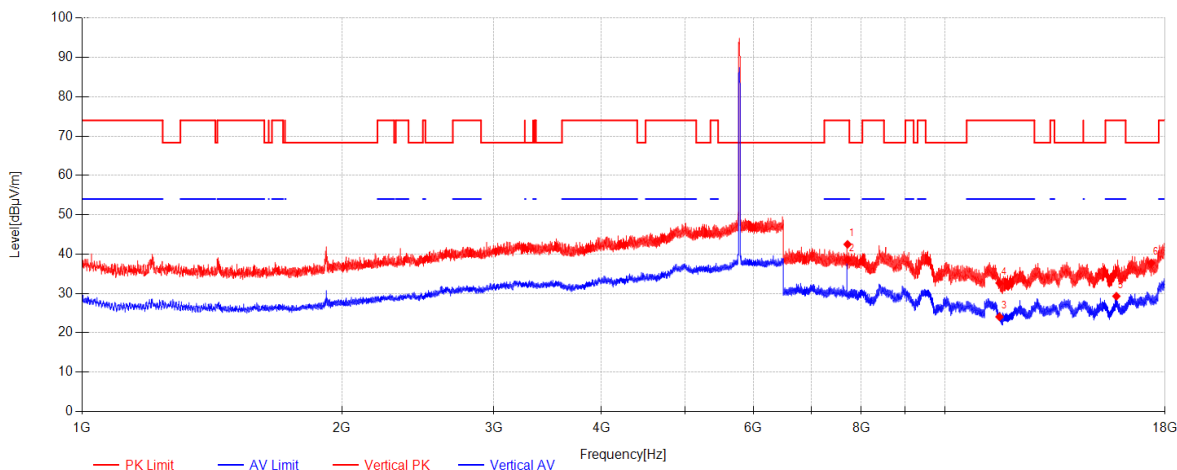
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## 802.11n20\_Channel 157



## 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   | 7713.25         | 48.77          | 36.61     | -42.90      | 42.48          | 74.00          | 31.52       | 248         | 170       | Vertical |
| 2   | 7713.7292       | 44.86          | 36.61     | -42.90      | 38.57          | 54.00          | 15.43       | 168         | 170       | Vertical |
| 3   | 11570.0000      | 21.98          | 38.92     | -36.84      | 24.06          | 54.00          | 29.94       | 216         | 194       | Vertical |
| 4   | 11570.0000      | 30.56          | 38.92     | -36.84      | 32.64          | 74.00          | 41.36       | 153         | 194       | Vertical |
| 5   | 15804.9375      | 24.22          | 38.19     | -33.11      | 29.30          | 54.00          | 24.70       | 296         | 72        | Vertical |
| 6   | 17355.0000      | 33.94          | 38.80     | -35.00      | 37.74          | 68.30          | 30.56       | 251         | 170       | Vertical |



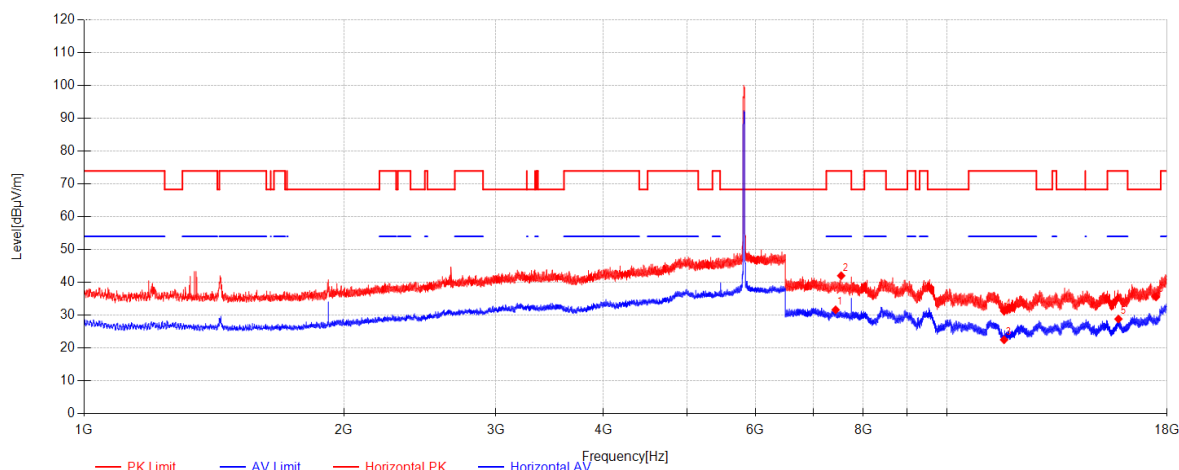
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## 802.11n20\_Channel 165



## 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   | 7431.5          | 38.06          | 36.47     | -42.91      | 31.62          | 54.00          | 22.38       | 248         | 267       | Horizontal |
| 2   | 7542.1875       | 48.59          | 36.42     | -42.99      | 42.02          | 74.00          | 31.98       | 156         | 243       | Horizontal |
| 3   | 11650.0000      | 20.15          | 38.85     | -36.53      | 22.47          | 54.00          | 31.53       | 251         | 359       | Horizontal |
| 4   | 11650.0000      | 28.92          | 38.85     | -36.53      | 31.24          | 74.00          | 42.76       | 236         | 354       | Horizontal |
| 5   | 15809.25        | 23.79          | 38.18     | -33.16      | 28.82          | 54.00          | 25.18       | 192         | 4         | Horizontal |
| 6   | 17475.0000      | 30.51          | 39.11     | -34.07      | 35.55          | 68.30          | 32.75       | 136         | 316       | Horizontal |



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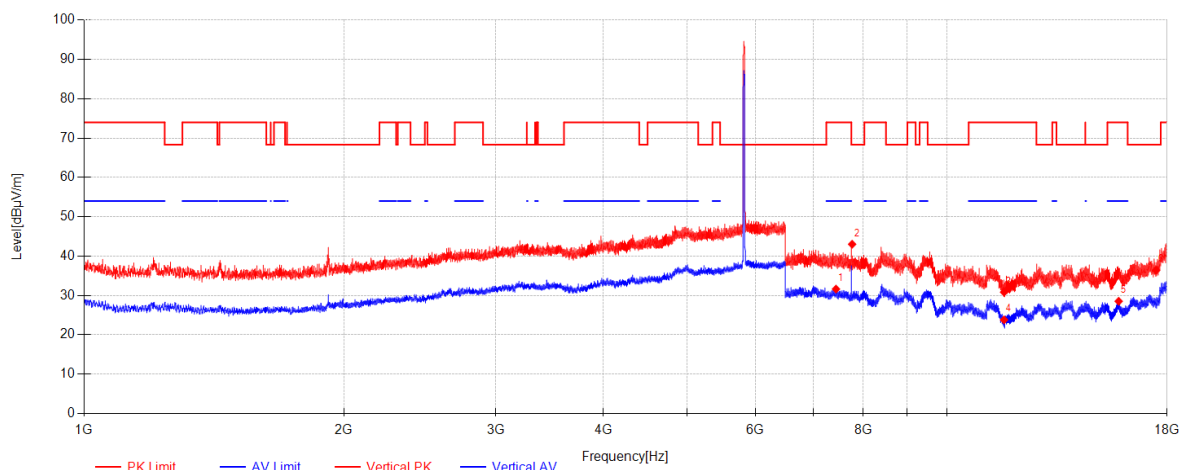
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### 802.11n20\_Channel 165



### 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   | 7438.6875       | 38.09          | 36.47     | -42.94      | 31.62          | 54.00          | 22.38       | 263         | 339       | Vertical |
| 2   | 7766.4375       | 49.01          | 36.71     | -42.70      | 43.02          | 68.30          | 25.28       | 251         | 192       | Vertical |
| 3   | 11650.0000      | 28.51          | 38.85     | -36.53      | 30.83          | 74.00          | 43.17       | 196         | 192       | Vertical |
| 4   | 11650.0000      | 21.49          | 38.85     | -36.53      | 23.81          | 54.00          | 30.19       | 145         | 97        | Vertical |
| 5   | 15818.8333      | 23.61          | 38.17     | -33.26      | 28.52          | 54.00          | 25.48       | 185         | 73        | Vertical |
| 6   | 17475.0000      | 31.39          | 39.11     | -34.07      | 36.43          | 68.30          | 31.87       | 149         | 219       | Vertical |



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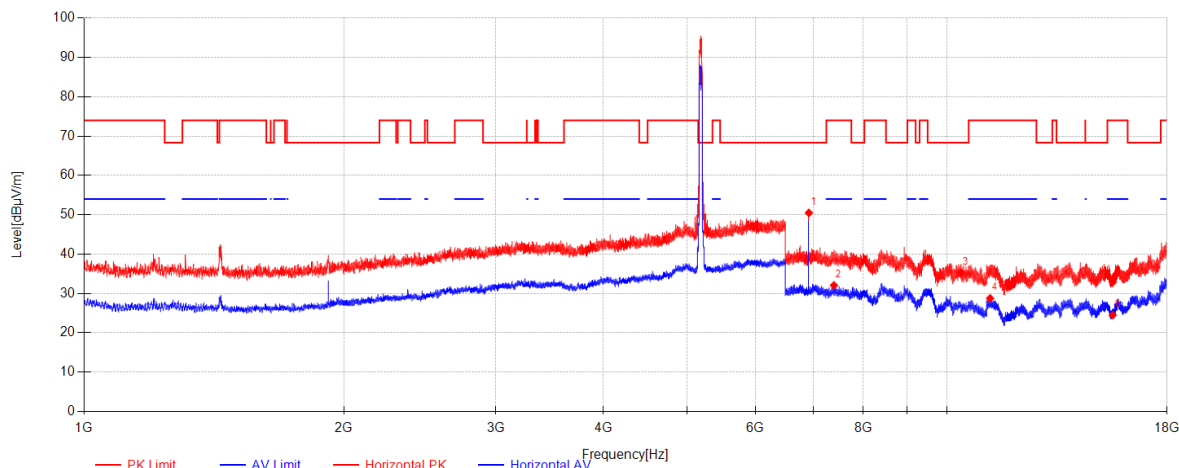
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## 802.11n40\_Channel 38



## 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   | 6919.75         | 58.22          | 35.98     | -43.72      | 50.48          | 68.30          | 17.82       | 248         | 194       | Horizontal |
| 2   | 7398.4375       | 38.37          | 36.49     | -42.80      | 32.06          | 54.00          | 21.94       | 163         | 118       | Horizontal |
| 3   | 10380.0000      | 35.19          | 38.86     | -38.77      | 35.28          | 68.30          | 33.02       | 251         | 265       | Horizontal |
| 4   | 11225.0625      | 26.40          | 39.11     | -36.76      | 28.75          | 54.00          | 25.25       | 126         | 360       | Horizontal |
| 5   | 15570.0000      | 29.01          | 38.48     | -34.59      | 32.90          | 74.00          | 41.10       | 135         | 218       | Horizontal |
| 6   | 15570.0000      | 20.61          | 38.48     | -34.59      | 24.50          | 54.00          | 29.50       | 199         | 3         | Horizontal |



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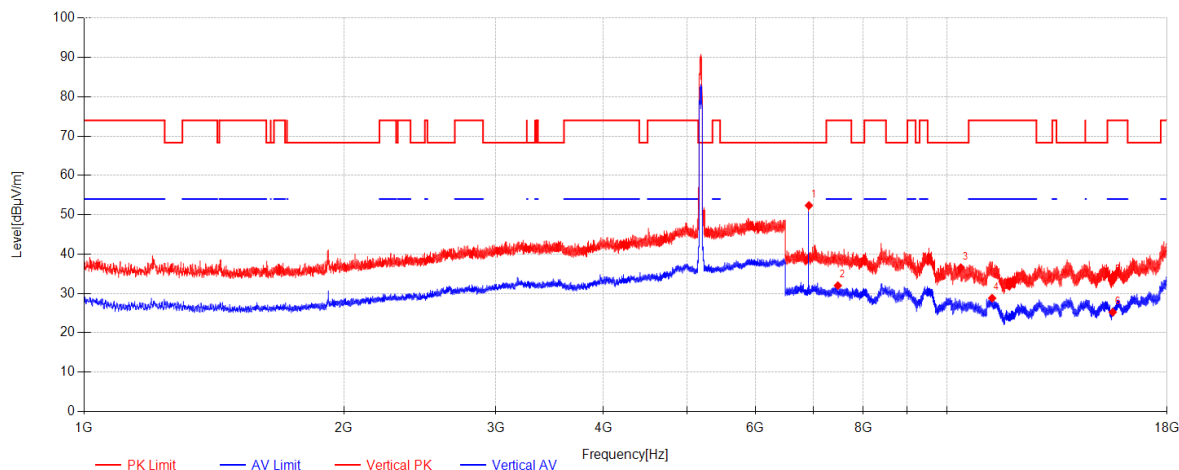
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## 802.11n40\_Channel 38



## 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   | 6919.75         | 60.10          | 35.98     | -43.72      | 52.36          | 68.30          | 15.94       | 256         | 196       | Vertical |
| 2   | 7476.5417       | 38.62          | 36.45     | -43.08      | 31.99          | 54.00          | 22.01       | 185         | 75        | Vertical |
| 3   | 10380.0000      | 36.45          | 38.86     | -38.77      | 36.54          | 68.30          | 31.76       | 136         | 341       | Vertical |
| 4   | 11285.4375      | 26.83          | 39.11     | -37.14      | 28.80          | 54.00          | 25.20       | 236         | 294       | Vertical |
| 5   | 15570.0000      | 29.50          | 38.48     | -34.59      | 33.39          | 74.00          | 40.61       | 264         | 4         | Vertical |
| 6   | 15570.0000      | 21.35          | 38.48     | -34.59      | 25.24          | 54.00          | 28.76       | 198         | 49        | Vertical |



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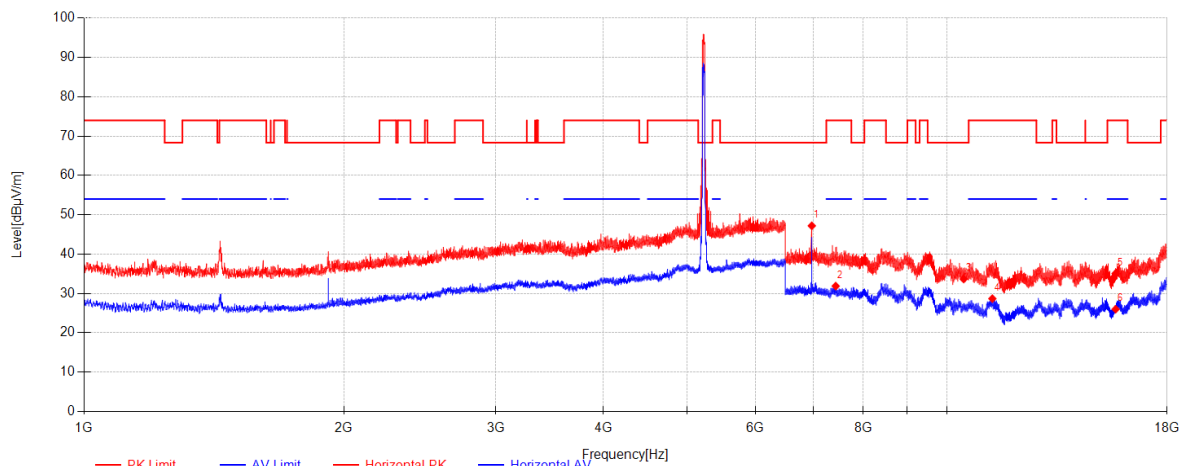
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### 802.11n40\_Channel 46



| 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         | 6973.4167       | 54.37          | 36.05     | -43.23      | 47.19          | 68.30          | 21.11       | 245         | 72        | Horizontal |
| 2         | 7433.4167       | 38.31          | 36.47     | -42.92      | 31.87          | 54.00          | 22.13       | 136         | 360       | Horizontal |
| 3         | 10460.0000      | 33.49          | 38.92     | -38.74      | 33.67          | 68.30          | 34.63       | 256         | 219       | Horizontal |
| 4         | 11291.6667      | 26.75          | 39.11     | -37.18      | 28.68          | 54.00          | 25.32       | 195         | 243       | Horizontal |
| 5         | 15690.0000      | 30.11          | 38.33     | -33.37      | 35.08          | 74.00          | 38.92       | 148         | 360       | Horizontal |
| 6         | 15690.0000      | 21.02          | 38.33     | -33.37      | 25.99          | 54.00          | 28.01       | 192         | 359       | Horizontal |



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