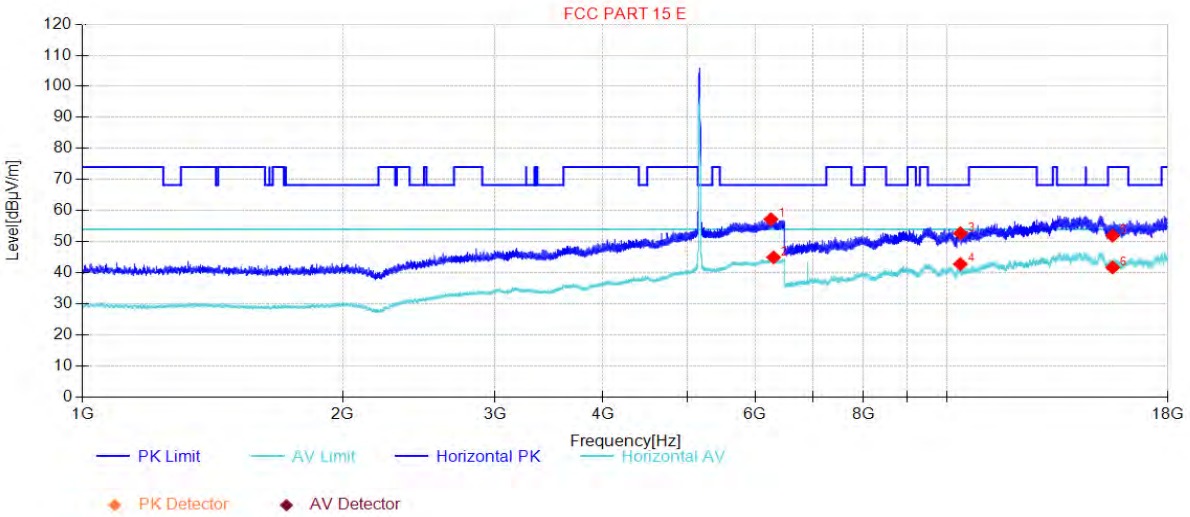
### 4.9.2.2 802.11A_Channel 36

**Test Graph**




**Suspected List**

| Suspected List | | | | | | | |
|---|---|---|---|---|---|---|---|
| NO. | Freq. [MHz] | Level [dBµV/m] | Factor [dB] | Limit [dBµV/m] | Margin [dB] | Height [cm] | Polarity |
| 1 | 6256.517 | 57.20 | 18.27 | 68.20 | 11.00 | 233 | Horizontal |
| 2 | 6299.786 | 44.93 | 18.48 | 54.00 | 9.07 | 208 | Horizontal |
| 3 | 10360.00 | 52.68 | 2.38 | 68.20 | 15.52 | 241 | Horizontal |
| 4 | 10360.00 | 42.75 | 2.38 | 54.00 | 11.25 | 212 | Horizontal |
| 5 | 15540.00 | 51.92 | 5.88 | 74.00 | 22.08 | 362 | Horizontal |
| 6 | 15540.00 | 41.69 | 5.88 | 54.00 | 12.31 | 256 | Horizontal |

**Final Data List**

Remark:
1) The field strength is calculated by adding the Antenna Factor, Cable Factor & Preamplifier. The basic equation with a sample calculation is as follows:
Final Test Level =Receiver Reading + Antenna Factor + Cable Factor – Preamplifier Factor
2) Scan from 9kHz to 40GHz,The disturbance between 9KHz to 30MHz and 18GHz to 40GHz was very low, and the above harmonics were the highest point could be found when testing, so only the above harmonics had been displayed. The amplitude of spurious emissions from the radiator which are attenuated more than 20dB below the limit need not be reported .
3) As shown in this section, for frequencies above 1GHz, the field strength limits are based on average limits. However, the peak field strength of any emission shall not exceed the maximum permitted average limits specified above by more than 20 dB under any condition of modulation. So, only the peak measurements were shown in the report.
4) All modes have been tested, but only the worst case data displayed in this report.

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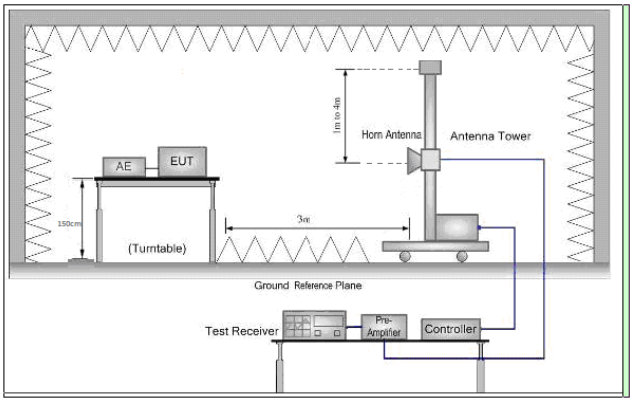
## 4.10 Restricted bands around fundamental frequency

| | | | |
|---|---|---|---|
| Test Requirement: | 47 CFR Part 15 Section 15.407(b) | | |
| Test Method: | ANSI C63.10: 2013 | | |
| Test Site: | Measurement Distance: 3m (Semi-Anechoic Chamber) | | |
| Limit: | Frequency | Limit (dBuV/m) | Remark |
| | 30MHz-88MHz | 40.0 | Quasi-peak |
| | 88MHz-216MHz | 43.5 | Quasi-peak |
| | 216MHz-960MHz | 46.0 | Quasi-peak |
| | 960MHz-1GHz | 54.0 | Quasi-peak |
| | Above 1GHz | 54.0 | Average Value |
| | | 74.0 | Peak Value |
| Test Setup: | | | |

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| | |
|---|---|
| Test Procedure: | a. The EUT was placed on the top of a rotating table 1.5 meters above the ground at a 3 meter semi-anechoic camber. The table was rotated 360 degrees to determine the position of the highest radiation.<br>b. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.<br>c. The antenna height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.<br>d. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.<br>e. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.<br>f. Place a marker at the end of the restricted band closest to the transmit frequency to show compliance. Also measure any emissions in the restricted bands. Save the spectrum analyzer plot. Repeat for each power and modulation for lowest and highest channel<br>g. Test the EUT in the outermost channels.<br>h. The radiation measurements are performed in X, Y, Z axis positioning for Transmitting mode,And found the X axis positioning which it is worse case.<br>i. Repeat above procedures until all frequencies measured was complete. |
| Exploratory Test Mode: | Transmitting with all kind of modulations, data rates. |
| Final Test Mode: | Through Pre-scan, find the<br>6Mbps of rate is the worst case of 802.11a;<br>MCS0 of rate is the worst case of 802.11n(HT20) ;<br>MCS0 of rate is the worst case of 802.11n(HT40);<br>MCS0 of rate is the worst case of 802.11ac(HT20).<br>MCS0 of rate is the worst case of 802.11ac(HT40).<br>MCS0 of rate is the worst case of 802.11ac(HT80).<br>Only the worst case is recorded in the report. |
| Instruments Used: | Refer to section 5.10 for details |
| Test Results: | Pass |

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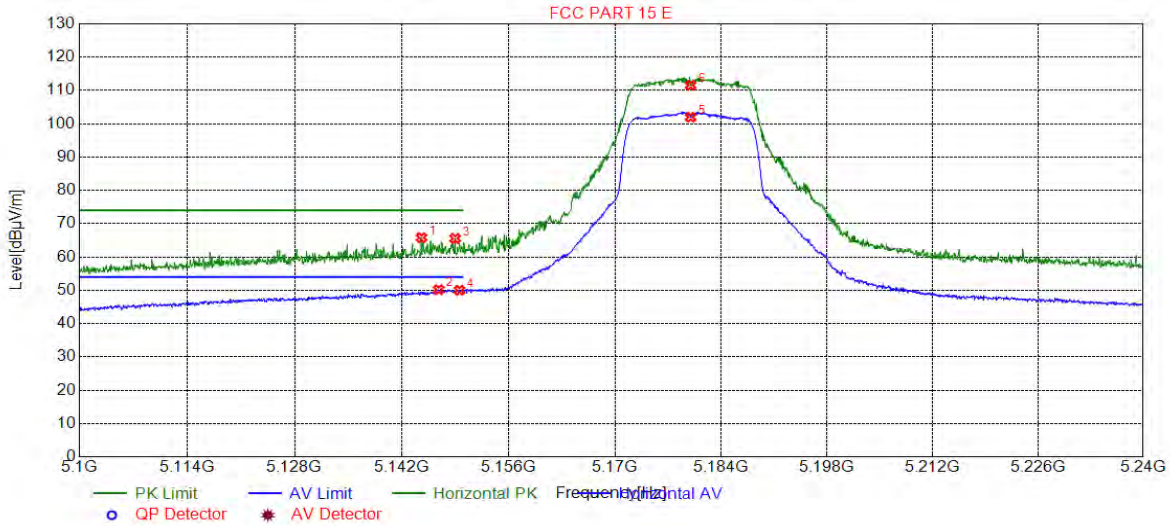
## 4.10.1 Test Plots

### 4.10.1.1 802.11A_Channel 36

**Test Graph**




**Suspected List**

| Suspected List | | | | | | | |
|---|---|---|---|---|---|---|---|
| NO. | Freq. [MHz] | Level [dBµV/m] | Limit [dBµV/m] | Margin [dB] | Height [cm] | Angle [°] | Polarity |
| 1 | 5144.612 | 65.82 | 74.00 | 8.18 | 113 | 230 | Horizontal |
| 2 | 5146.853 | 50.20 | 54.00 | 3.80 | 169 | 234 | Horizontal |
| 3 | 5149.024 | 65.58 | 74.00 | 8.42 | 193 | 234 | Horizontal |
| 4 | 5149.584 | 50.02 | 54.00 | 3.98 | 105 | 234 | Horizontal |
| 5 | 5180.000 | 101.97 | 0.00 | -101.97 | 139 | 230 | Horizontal |
| 6 | 5180.000 | 111.57 | 0.00 | -111.57 | 204 | 234 | Horizontal |

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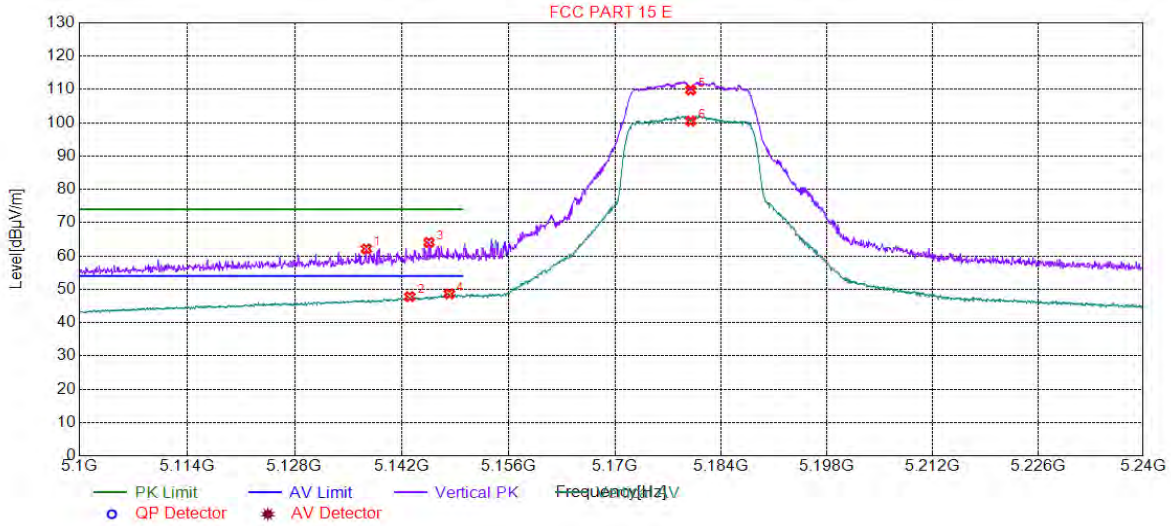
### 4.10.1.2 802.11A_Channel 36

**Test Graph**




**Suspected List**

| Suspected List | | | | | | | |
|---|---|---|---|---|---|---|---|
| NO. | Freq. [MHz] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Height [cm] | Angle [°] | Polarity |
| 1 | 5137.398 | 62.16 | 74.00 | 11.84 | 205 | 200 | Vertical |
| 2 | 5143.071 | 47.81 | 54.00 | 6.19 | 166 | 204 | Vertical |
| 3 | 5145.592 | 64.11 | 74.00 | 9.89 | 231 | 204 | Vertical |
| 4 | 5148.254 | 48.67 | 54.00 | 5.33 | 270 | 204 | Vertical |
| 5 | 5180.000 | 109.83 | 0.00 | -109.83 | 165 | 200 | Vertical |
| 6 | 5180.000 | 100.52 | 0.00 | -100.52 | 237 | 204 | Vertical |

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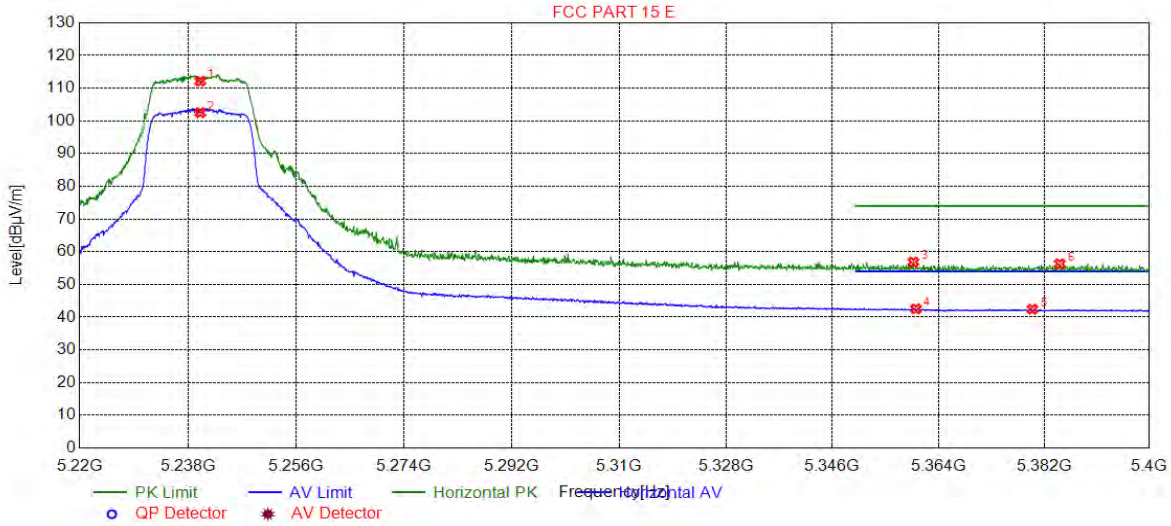
### 4.10.1.3 802.11A_Channel 48

**Test Graph**




**Suspected List**

| Suspected List | | | | | | | |
|---|---|---|---|---|---|---|---|
| NO. | Freq. [MHz] | Level [dBµV/m] | Limit [dBµV/m] | Margin [dB] | Height [cm] | Angle [°] | Polarity |
| 1 | 5240.000 | 112.17 | 0.00 | -112.17 | 121 | 236 | Horizontal |
| 2 | 5240.000 | 102.54 | 0.00 | -102.54 | 202 | 240 | Horizontal |
| 3 | 5359.749 | 56.88 | 74.00 | 17.12 | 218 | 299 | Horizontal |
| 4 | 5360.200 | 42.55 | 54.00 | 11.45 | 168 | 240 | Horizontal |
| 5 | 5380.010 | 42.44 | 54.00 | 11.56 | 137 | 130 | Horizontal |
| 6 | 5384.692 | 56.34 | 74.00 | 17.66 | 113 | 256 | Horizontal |

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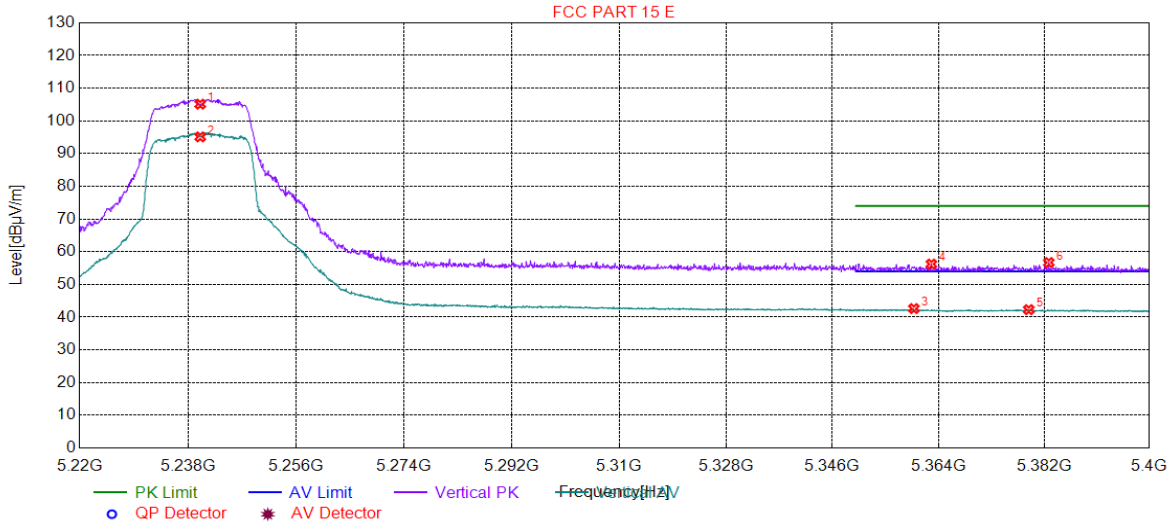
### 4.10.1.4 802.11A_Channel 48

**Test Graph**




**Suspected List**

| Suspected List | | | | | | | |
|---|---|---|---|---|---|---|---|
| NO. | Freq. [MHz] | Level [dBµV/m] | Limit [dBµV/m] | Margin [dB] | Height [cm] | Angle [°] | Polarity |
| 1 | 5240.000 | 105.14 | 0.00 | -105.14 | 180 | 342 | Vertical |
| 2 | 5240.000 | 95.13 | 0.00 | -95.13 | 167 | 342 | Vertical |
| 3 | 5359.839 | 42.63 | 54.00 | 11.37 | 287 | 19 | Vertical |
| 4 | 5362.811 | 56.25 | 74.00 | 17.75 | 212 | 131 | Vertical |
| 5 | 5379.379 | 42.31 | 54.00 | 11.69 | 210 | 189 | Vertical |
| 6 | 5382.801 | 56.72 | 74.00 | 17.28 | 249 | 339 | Vertical |

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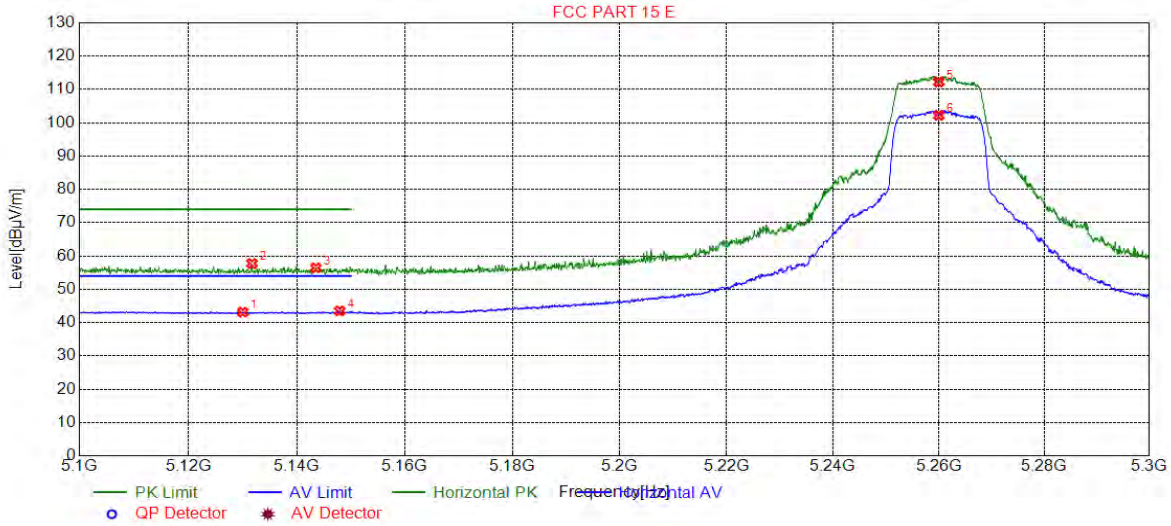
### 4.10.1.5 802.11A_Channel 52

**Test Graph**




**Suspected List**

| Suspected List | | | | | | | |
|---|---|---|---|---|---|---|---|
| NO. | Freq. [MHz] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Height [cm] | Angle [°] | Polarity |
| 1 | 5130.015 | 43.18 | 54.00 | 10.82 | 113 | 234 | Horizontal |
| 2 | 5131.715 | 57.77 | 74.00 | 16.23 | 229 | 94 | Horizontal |
| 3 | 5143.521 | 56.47 | 74.00 | 17.53 | 167 | 16 | Horizontal |
| 4 | 5147.924 | 43.54 | 54.00 | 10.46 | 224 | 239 | Horizontal |
| 5 | 5260.000 | 112.26 | 0.00 | -112.26 | 195 | 244 | Horizontal |
| 6 | 5260.000 | 102.23 | 0.00 | -102.23 | 156 | 244 | Horizontal |

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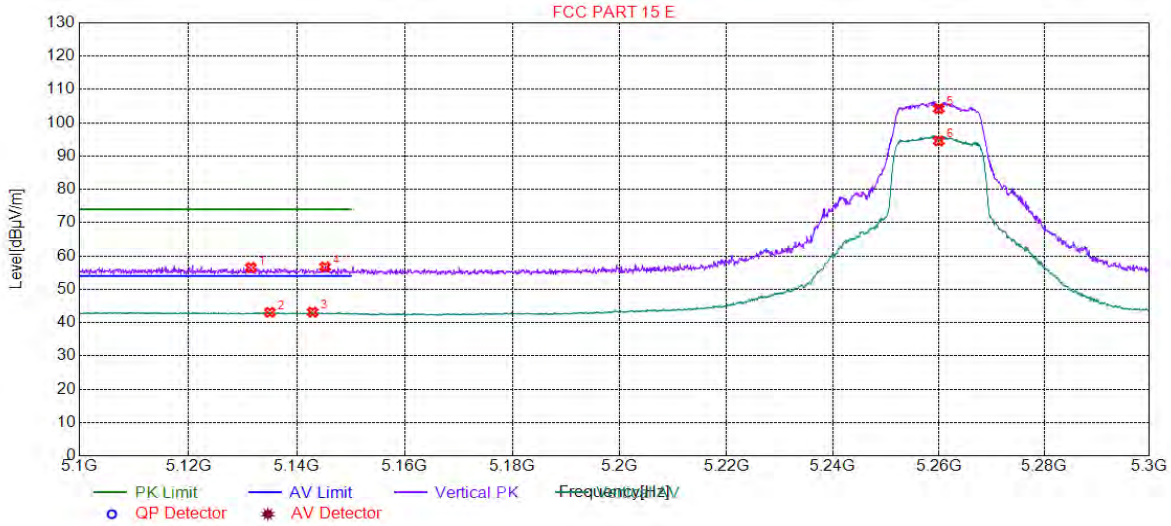
### 4.10.1.6 802.11A_Channel 52

**Test Graph**




**Suspected List**

| Suspected List | | | | | | | |
|---|---|---|---|---|---|---|---|
| NO. | Freq. [MHz] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Height [cm] | Angle [°] | Polarity |
| 1 | 5131.515 | 56.55 | 74.00 | 17.45 | 197 | 320 | Vertical |
| 2 | 5135.017 | 43.11 | 54.00 | 10.89 | 283 | 32 | Vertical |
| 3 | 5142.921 | 43.16 | 54.00 | 10.84 | 169 | 37 | Vertical |
| 4 | 5145.222 | 56.74 | 74.00 | 17.26 | 199 | 212 | Vertical |
| 5 | 5260.000 | 104.19 | 0.00 | -104.19 | 197 | 105 | Vertical |
| 6 | 5260.000 | 94.56 | 0.00 | -94.56 | 296 | 105 | Vertical |

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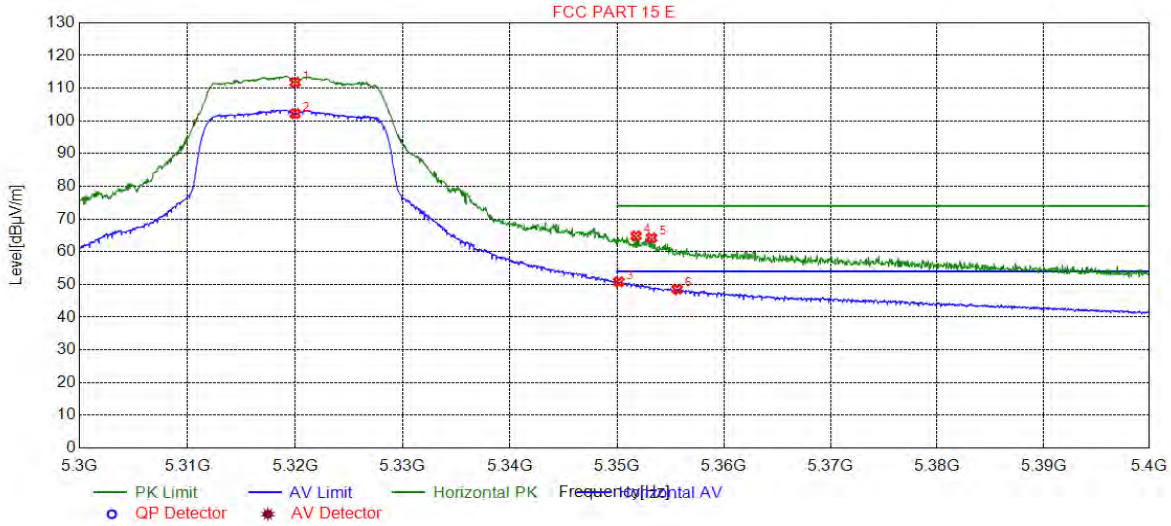
### 4.10.1.7 802.11A_Channel 64

**Test Graph**




**Suspected List**

| Suspected List | | | | | | | |
|---|---|---|---|---|---|---|---|
| NO. | Freq. [MHz] | Level [dBµV/m] | Limit [dBµV/m] | Margin [dB] | Height [cm] | Angle [°] | Polarity |
| 1 | 5320.000 | 111.79 | 0.00 | -111.79 | 159 | 224 | Horizontal |
| 2 | 5320.000 | 102.22 | 0.00 | -102.22 | 162 | 214 | Horizontal |
| 3 | 5350.175 | 50.81 | 54.00 | 3.19 | 246 | 219 | Horizontal |
| 4 | 5351.775 | 64.85 | 74.00 | 9.15 | 201 | 224 | Horizontal |
| 5 | 5353.226 | 64.24 | 74.00 | 9.76 | 248 | 224 | Horizontal |
| 6 | 5355.627 | 48.56 | 54.00 | 5.44 | 224 | 219 | Horizontal |

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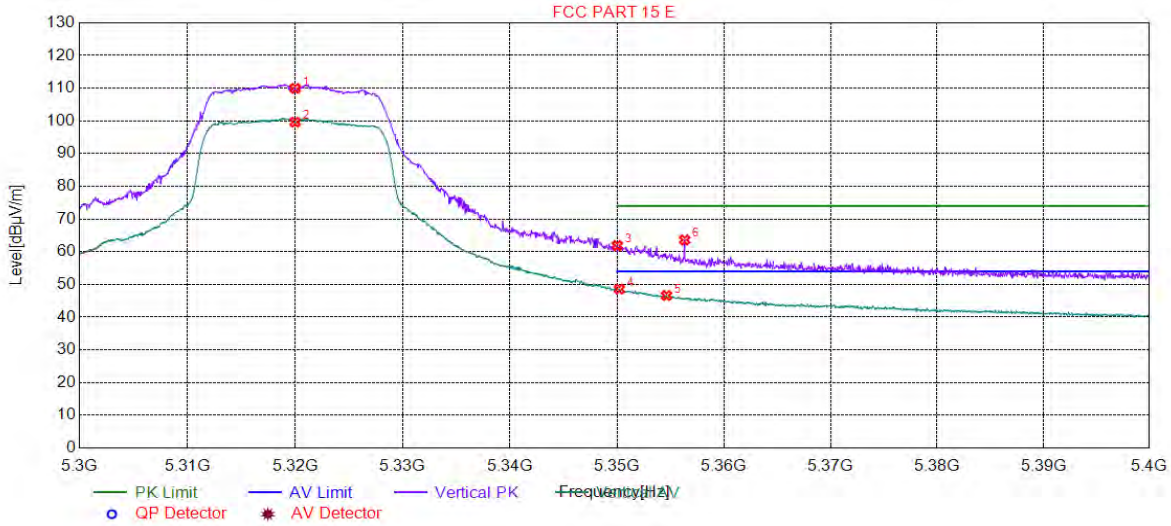
### 4.10.1.8 802.11A_Channel 64

**Test Graph**




**Suspected List**

| Suspected List | | | | | | | |
|---|---|---|---|---|---|---|---|
| NO. | Freq. [MHz] | Level [dBµV/m] | Limit [dBµV/m] | Margin [dB] | Height [cm] | Angle [°] | Polarity |
| 1 | 5320.000 | 109.96 | 0.00 | -109.96 | 177 | 200 | Vertical |
| 2 | 5320.000 | 99.65 | 0.00 | -99.65 | 295 | 205 | Vertical |
| 3 | 5350.025 | 61.90 | 74.00 | 12.10 | 284 | 200 | Vertical |
| 4 | 5350.225 | 48.59 | 54.00 | 5.41 | 266 | 200 | Vertical |
| 5 | 5354.627 | 46.62 | 54.00 | 7.38 | 239 | 200 | Vertical |
| 6 | 5356.328 | 63.62 | 74.00 | 10.38 | 241 | 256 | Vertical |

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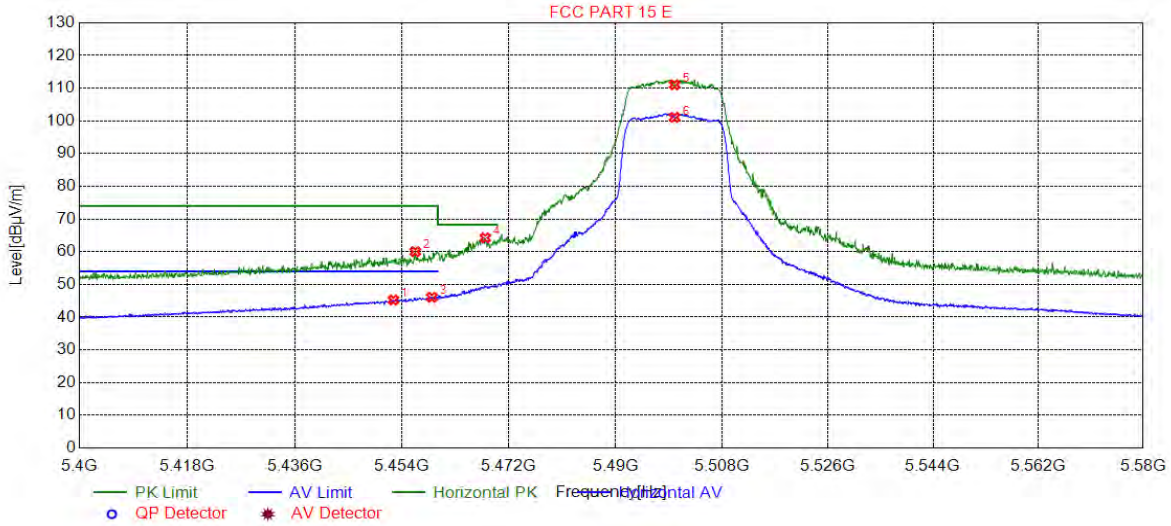
### 4.10.1.9 802.11A_Channel 100

**Test Graph**




**Suspected List**

| Suspected List | | | | | | | |
|---|---|---|---|---|---|---|---|
| NO. | Freq. [MHz] | Level [dBµV/m] | Limit [dBµV/m] | Margin [dB] | Height [cm] | Angle [°] | Polarity |
| 1 | 5452.496 | 45.26 | 54.00 | 8.74 | 140 | 212 | Horizontal |
| 2 | 5456.188 | 60.06 | 74.00 | 13.94 | 245 | 223 | Horizontal |
| 3 | 5458.979 | 46.11 | 54.00 | 7.89 | 100 | 212 | Horizontal |
| 4 | 5467.984 | 64.26 | 68.30 | 4.04 | 209 | 227 | Horizontal |
| 5 | 5500.000 | 111.05 | 0.00 | -111.05 | 119 | 212 | Horizontal |
| 6 | 5500.000 | 101.09 | 0.00 | -101.09 | 209 | 212 | Horizontal |

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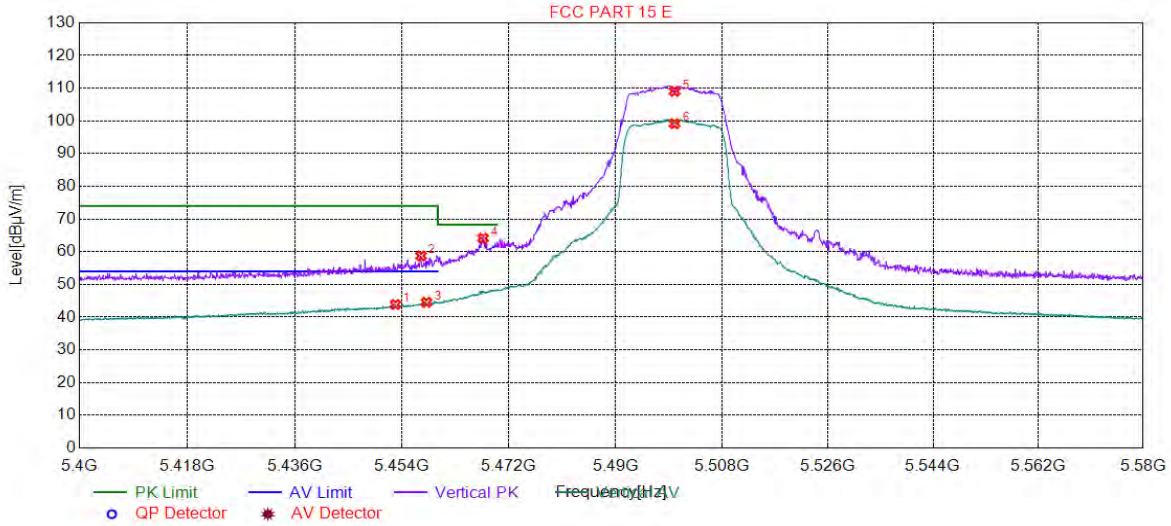
### 4.10.1.10 802.11A_Channel 100

**Test Graph**




**Suspected List**

| Suspected List | | | | | | | |
|---|---|---|---|---|---|---|---|
| NO. | Freq. [MHz] | Level [dBµV/m] | Limit [dBµV/m] | Margin [dB] | Height [cm] | Angle [°] | Polarity |
| 1 | 5452.856 | 43.88 | 54.00 | 10.12 | 293 | 192 | Vertical |
| 2 | 5457.178 | 58.75 | 74.00 | 15.25 | 237 | 192 | Vertical |
| 3 | 5458.079 | 44.55 | 54.00 | 9.45 | 287 | 188 | Vertical |
| 4 | 5467.623 | 64.17 | 68.30 | 4.13 | 152 | 196 | Vertical |
| 5 | 5500.000 | 109.07 | 0.00 | -109.07 | 186 | 196 | Vertical |
| 6 | 5500.000 | 99.16 | 0.00 | -99.16 | 179 | 204 | Vertical |

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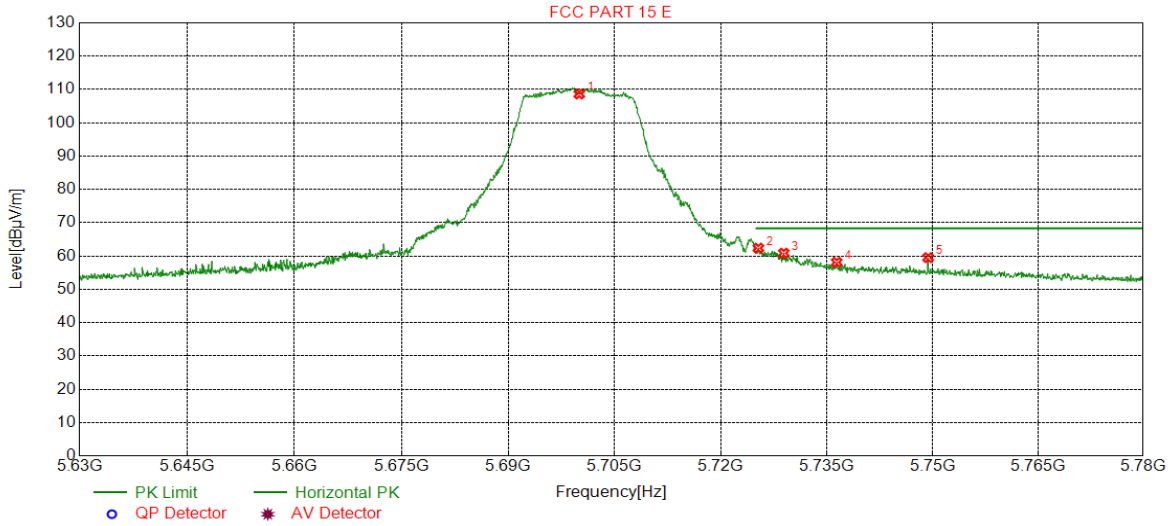
### 4.10.1.11 802.11A_Channel 140

**Test Graph**




**Suspected List**

| Suspected List | | | | | | | |
|---|---|---|---|---|---|---|---|
| NO. | Freq. [MHz] | Level [dBµV/m] | Limit [dBµV/m] | Margin [dB] | Height [cm] | Angle [°] | Polarity |
| 1 | 5700.000 | 108.64 | 0.00 | -108.64 | 218 | 337 | Horizontal |
| 2 | 5725.297 | 62.38 | 68.30 | 5.92 | 110 | 30 | Horizontal |
| 3 | 5728.899 | 60.87 | 68.30 | 7.43 | 202 | 50 | Horizontal |
| 4 | 5736.403 | 58.13 | 68.30 | 10.17 | 131 | 340 | Horizontal |
| 5 | 5749.384 | 59.52 | 68.30 | 8.78 | 180 | 312 | Horizontal |

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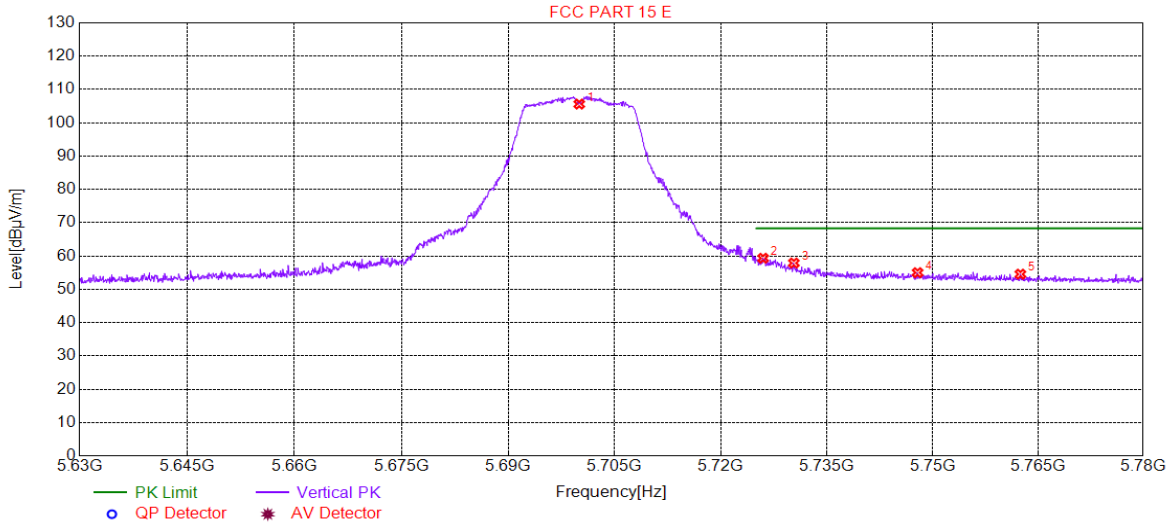
### 4.10.1.12 802.11A_Channel 140

**Test Graph**




**Suspected List**

| Suspected List | | | | | | | |
|---|---|---|---|---|---|---|---|
| NO. | Freq. [MHz] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Height [cm] | Angle [°] | Polarity |
| 1 | 5700.000 | 105.61 | 0.00 | -105.61 | 169 | 200 | Vertical |
| 2 | 5725.973 | 59.35 | 68.30 | 8.95 | 244 | 195 | Vertical |
| 3 | 5730.325 | 57.90 | 68.30 | 10.40 | 170 | 192 | Vertical |
| 4 | 5747.883 | 55.02 | 68.30 | 13.28 | 253 | 348 | Vertical |
| 5 | 5762.516 | 54.56 | 68.30 | 13.74 | 266 | 203 | Vertical |

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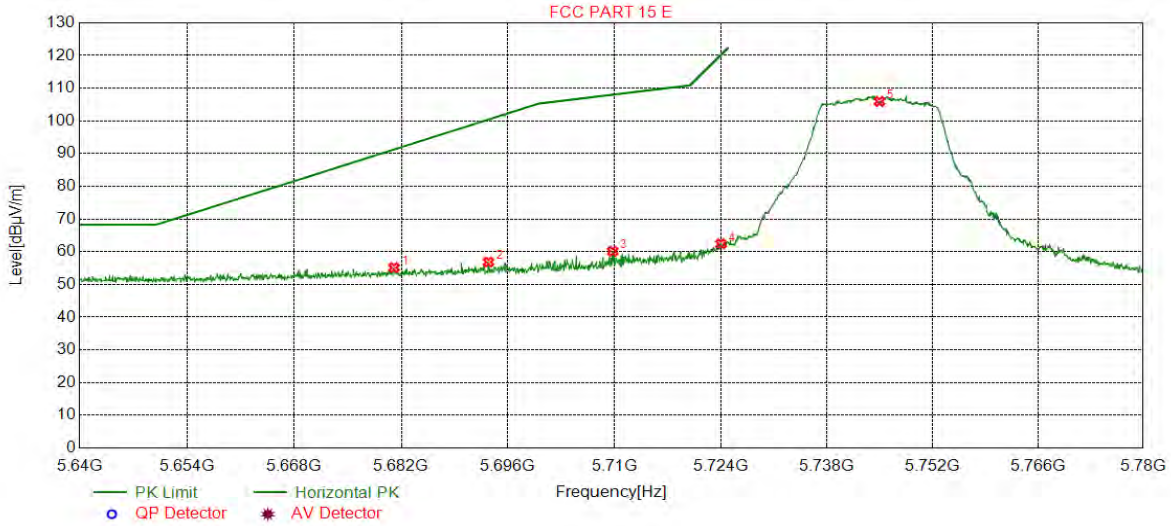
### 4.10.1.13 802.11A_Channel 149 P=14.5(1.5m)

**Test Graph**




**Suspected List**

| Suspected List | | | | | | | |
|---|---|---|---|---|---|---|---|
| NO. | Freq. [MHz] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Height [cm] | Angle [°] | Polarity |
| 1 | 5681.040 | 55.17 | 91.27 | 36.10 | 106 | 341 | Horizontal |
| 2 | 5693.436 | 56.88 | 100.44 | 43.56 | 120 | 203 | Horizontal |
| 3 | 5709.754 | 60.15 | 108.03 | 47.88 | 195 | 341 | Horizontal |
| 4 | 5724.042 | 62.39 | 120.12 | 57.73 | 118 | 213 | Horizontal |
| 5 | 5745.000 | 105.97 | 0.00 | -105.97 | 119 | 26 | Horizontal |

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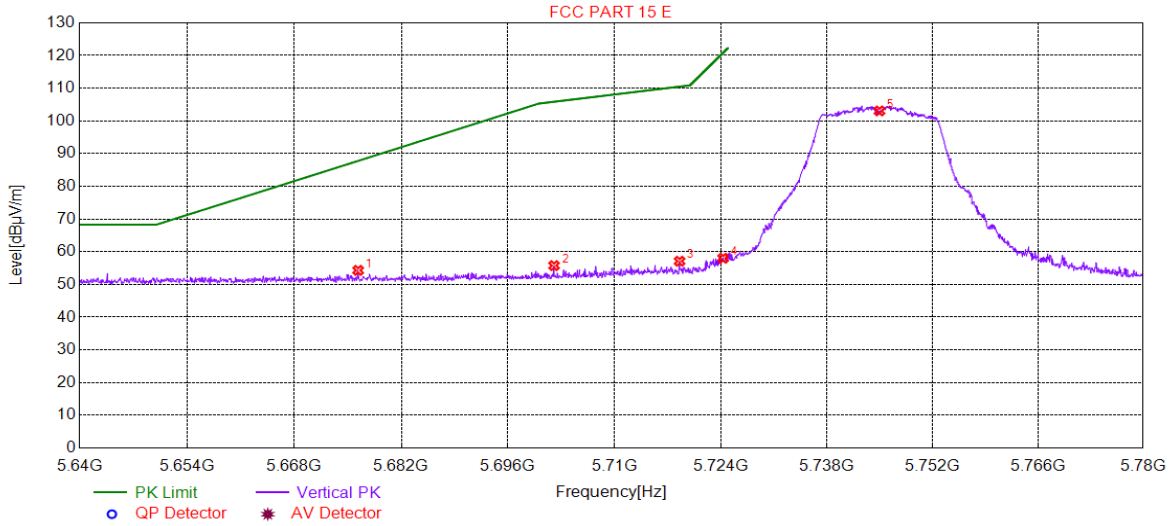
### 4.10.1.14 802.11A_Channel 149

**Test Graph**




**Suspected List**

| Suspected List | | | | | | | |
|---|---|---|---|---|---|---|---|
| NO. | Freq. [MHz] | Level [dBµV/m] | Limit [dBµV/m] | Margin [dB] | Height [cm] | Angle [°] | Polarity |
| 1 | 5676.348 | 54.33 | 87.80 | 33.47 | 168 | 37 | Vertical |
| 2 | 5702.051 | 55.77 | 105.87 | 50.10 | 281 | 22 | Vertical |
| 3 | 5718.579 | 57.12 | 110.50 | 53.38 | 298 | 37 | Vertical |
| 4 | 5724.322 | 58.03 | 120.75 | 62.72 | 254 | 22 | Vertical |
| 5 | 5745.000 | 103.07 | 0.00 | -103.07 | 273 | 33 | Vertical |

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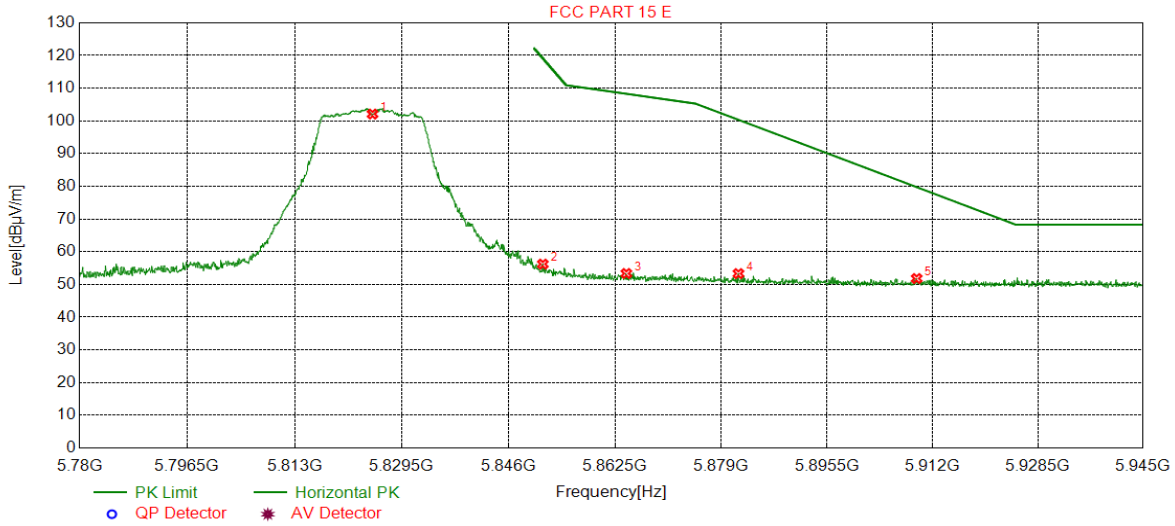
## 802.11A_Channel 165

### Test Graph




### Suspected List

| Suspected List | | | | | | | |
|---|---|---|---|---|---|---|---|
| NO. | Freq. [MHz] | Level [dBµV/m] | Limit [dBµV/m] | Margin [dB] | Height [cm] | Angle [°] | Polarity |
| 1 | 5825.000 | 102.11 | 0.00 | -102.11 | 177 | 42 | Horizontal |
| 2 | 5851.315 | 56.23 | 119.30 | 63.07 | 193 | 216 | Horizontal |
| 3 | 5864.274 | 53.36 | 108.30 | 54.94 | 158 | 209 | Horizontal |
| 4 | 5881.690 | 53.33 | 100.35 | 47.02 | 189 | 284 | Horizontal |
| 5 | 5909.507 | 51.83 | 79.76 | 27.93 | 101 | 344 | Horizontal |

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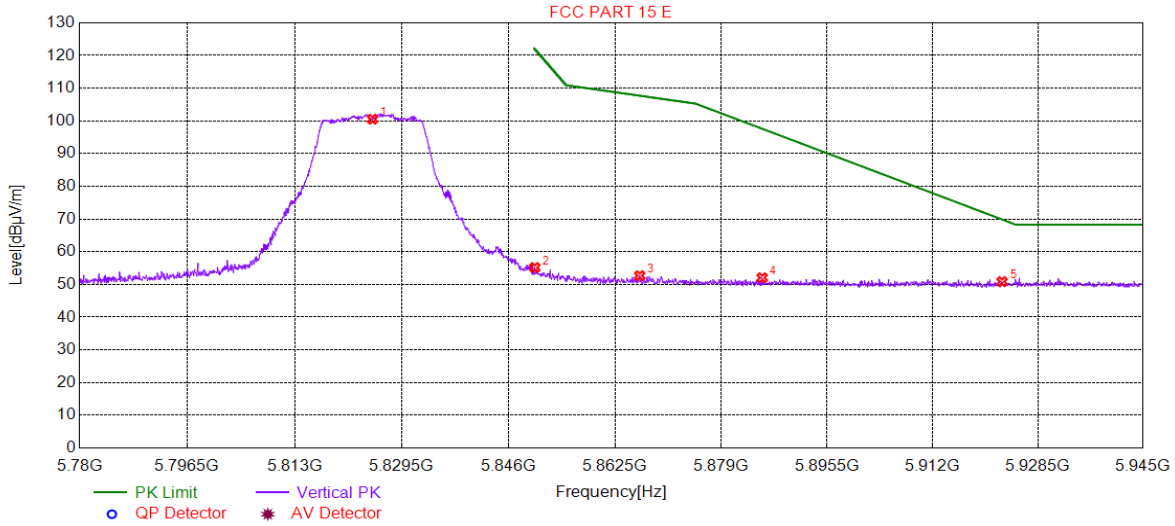
### 4.10.1.15 802.11A_Channel 165

**Test Graph**




**Suspected List**

| Suspected List | | | | | | | |
|---|---|---|---|---|---|---|---|
| NO. | Freq. [MHz] | Level [dBµV/m] | Limit [dBµV/m] | Margin [dB] | Height [cm] | Angle [°] | Polarity |
| 1 | 5825.000 | 100.54 | 0.00 | -100.54 | 219 | 37 | Vertical |
| 2 | 5850.077 | 55.18 | 122.12 | 66.94 | 294 | 44 | Vertical |
| 3 | 5866.338 | 52.69 | 107.73 | 55.04 | 273 | 33 | Vertical |
| 4 | 5885.405 | 52.07 | 97.60 | 45.53 | 295 | 102 | Vertical |
| 5 | 5922.878 | 50.89 | 69.87 | 18.98 | 201 | 159 | Vertical |

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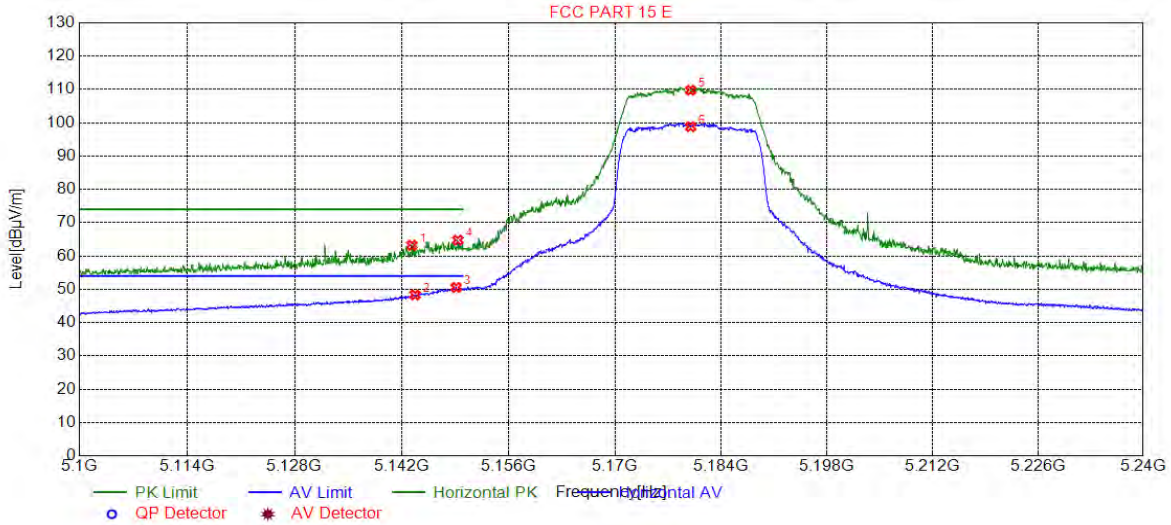
### 4.10.1.16 802.11N20_Channel 36

**Test Graph**




**Suspected List**

| Suspected List | | | | | | | |
|---|---|---|---|---|---|---|---|
| NO. | Freq. [MHz] | Level [dBµV/m] | Limit [dBµV/m] | Margin [dB] | Height [cm] | Angle [°] | Polarity |
| 1 | 5143.351 | 63.25 | 74.00 | 10.75 | 177 | 216 | Horizontal |
| 2 | 5143.771 | 48.33 | 54.00 | 5.67 | 231 | 224 | Horizontal |
| 3 | 5149.164 | 50.58 | 54.00 | 3.42 | 194 | 220 | Horizontal |
| 4 | 5149.374 | 64.78 | 74.00 | 9.22 | 218 | 216 | Horizontal |
| 5 | 5180.000 | 109.77 | 0.00 | -109.77 | 205 | 216 | Horizontal |
| 6 | 5180.000 | 98.82 | 0.00 | -98.82 | 229 | 220 | Horizontal |

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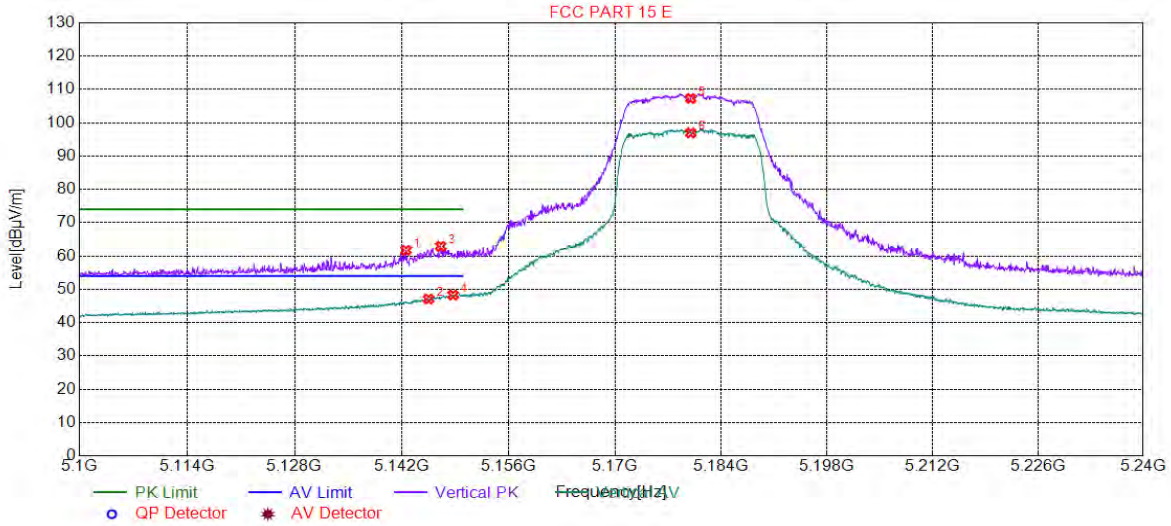
### 4.10.1.17 802.11N20_Channel 36

**Test Graph**




**Suspected List**

| Suspected List | | | | | | | |
|---|---|---|---|---|---|---|---|
| NO. | Freq. [MHz] | Level [dBµV/m] | Limit [dBµV/m] | Margin [dB] | Height [cm] | Angle [°] | Polarity |
| 1 | 5142.581 | 61.74 | 74.00 | 12.26 | 168 | 200 | Vertical |
| 2 | 5145.522 | 47.12 | 54.00 | 6.88 | 153 | 200 | Vertical |
| 3 | 5147.133 | 62.93 | 74.00 | 11.07 | 244 | 200 | Vertical |
| 4 | 5148.744 | 48.30 | 54.00 | 5.70 | 242 | 200 | Vertical |
| 5 | 5180.000 | 107.30 | 0.00 | -107.30 | 173 | 196 | Vertical |
| 6 | 5180.000 | 96.94 | 0.00 | -96.94 | 275 | 200 | Vertical |

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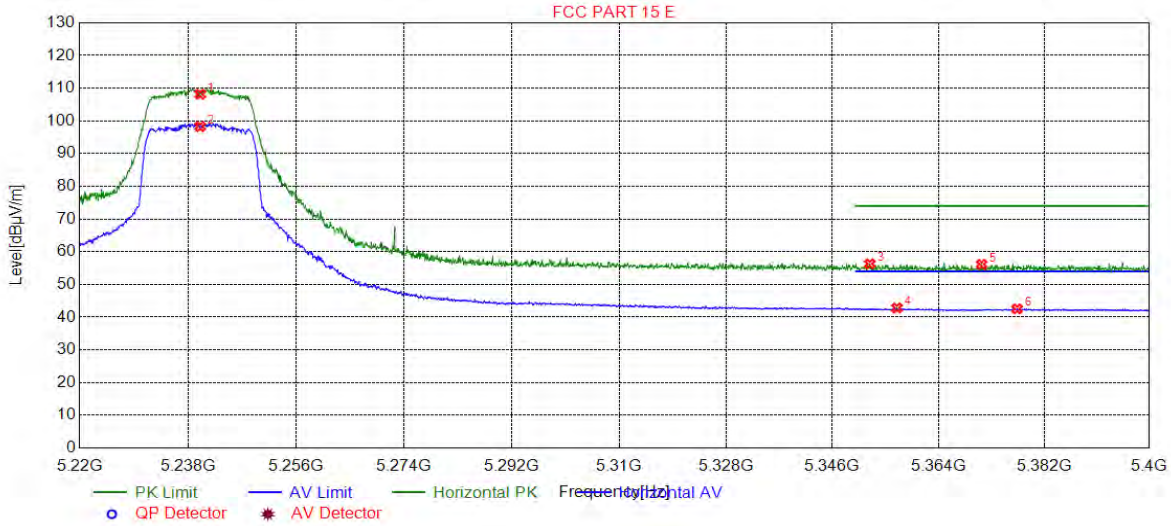
**4.10.1.18 802.11N20_Channel 48**

**Test Graph**




**Suspected List**

| Suspected List | | | | | | | |
|---|---|---|---|---|---|---|---|
| NO. | Freq. [MHz] | Level [dBµV/m] | Limit [dBµV/m] | Margin [dB] | Height [cm] | Angle [°] | Polarity |
| 1 | 5240.000 | 108.17 | 0.00 | -108.17 | 160 | 221 | Horizontal |
| 2 | 5240.000 | 98.25 | 0.00 | -98.25 | 207 | 217 | Horizontal |
| 3 | 5352.366 | 56.31 | 74.00 | 17.69 | 123 | 152 | Horizontal |
| 4 | 5356.958 | 42.83 | 54.00 | 11.17 | 120 | 228 | Horizontal |
| 5 | 5371.365 | 56.14 | 74.00 | 17.86 | 168 | 80 | Horizontal |
| 6 | 5377.398 | 42.55 | 54.00 | 11.45 | 182 | 126 | Horizontal |

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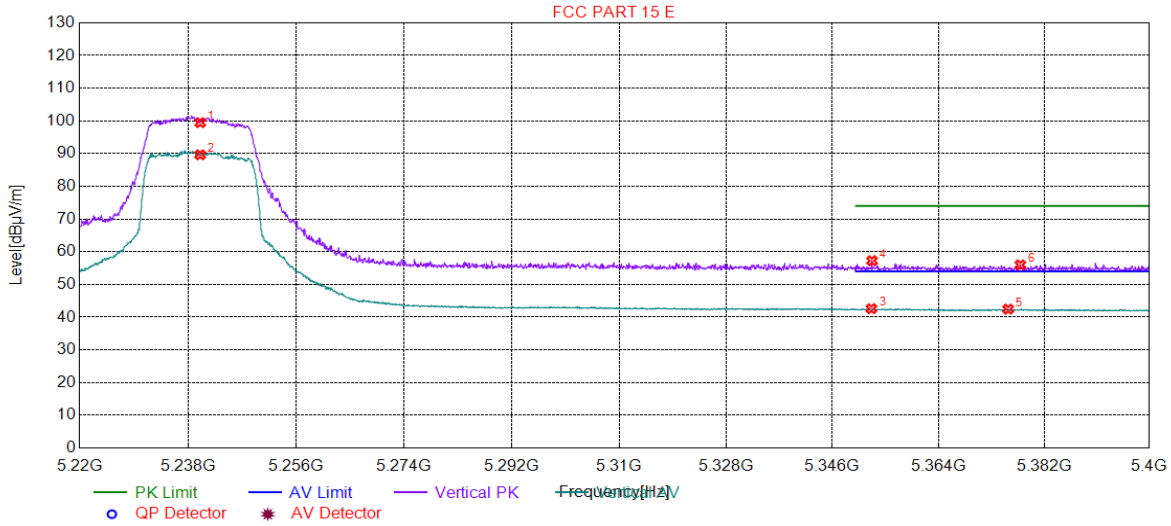
### 4.10.1.19 802.11N20_Channel 48

**Test Graph**




**Suspected List**

| Suspected List | | | | | | | |
|---|---|---|---|---|---|---|---|
| NO. | Freq. [MHz] | Level [dBµV/m] | Limit [dBµV/m] | Margin [dB] | Height [cm] | Angle [°] | Polarity |
| 1 | 5240.000 | 99.48 | 0.00 | -99.48 | 290 | 14 | Vertical |
| 2 | 5240.000 | 89.65 | 0.00 | -89.65 | 287 | 86 | Vertical |
| 3 | 5352.636 | 42.60 | 54.00 | 11.40 | 183 | 71 | Vertical |
| 4 | 5352.726 | 57.28 | 74.00 | 16.72 | 299 | 297 | Vertical |
| 5 | 5375.867 | 42.47 | 54.00 | 11.53 | 274 | 78 | Vertical |
| 6 | 5377.939 | 55.99 | 74.00 | 18.01 | 227 | 281 | Vertical |

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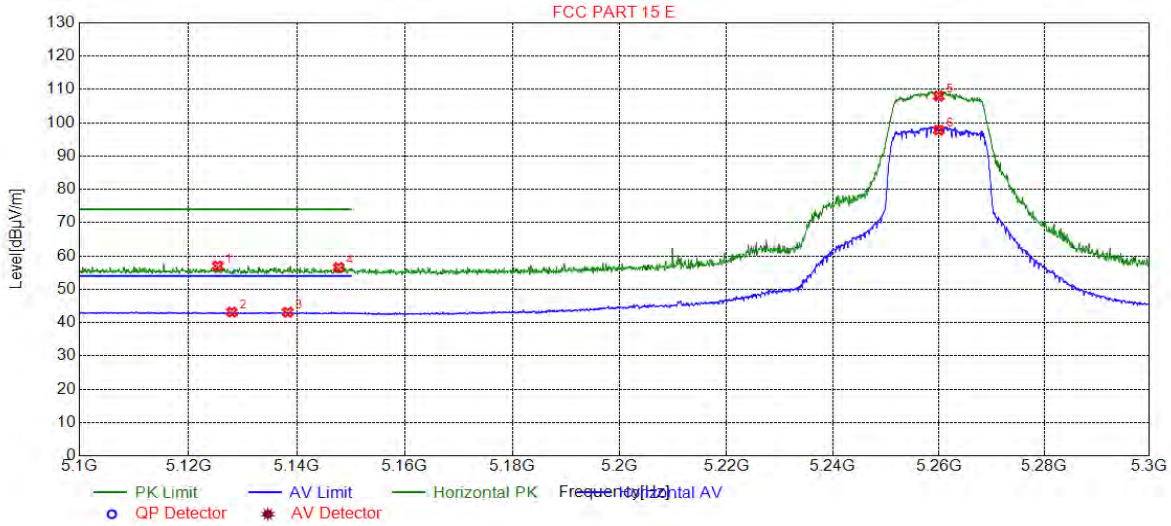
**4.10.1.20 802.11N20_Channel 52**

**Test Graph**




**Suspected List**

| Suspected List | | | | | | | |
|---|---|---|---|---|---|---|---|
| NO. | Freq. [MHz] | Level [dBµV/m] | Limit [dBµV/m] | Margin [dB] | Height [cm] | Angle [°] | Polarity |
| 1 | 5125.412 | 57.05 | 74.00 | 16.95 | 107 | 230 | Horizontal |
| 2 | 5128.014 | 43.19 | 54.00 | 10.81 | 111 | 230 | Horizontal |
| 3 | 5138.319 | 43.14 | 54.00 | 10.86 | 234 | 321 | Horizontal |
| 4 | 5147.723 | 56.57 | 74.00 | 17.43 | 186 | 182 | Horizontal |
| 5 | 5260.000 | 108.05 | 0.00 | -108.05 | 151 | 220 | Horizontal |
| 6 | 5260.000 | 97.77 | 0.00 | -97.77 | 241 | 220 | Horizontal |

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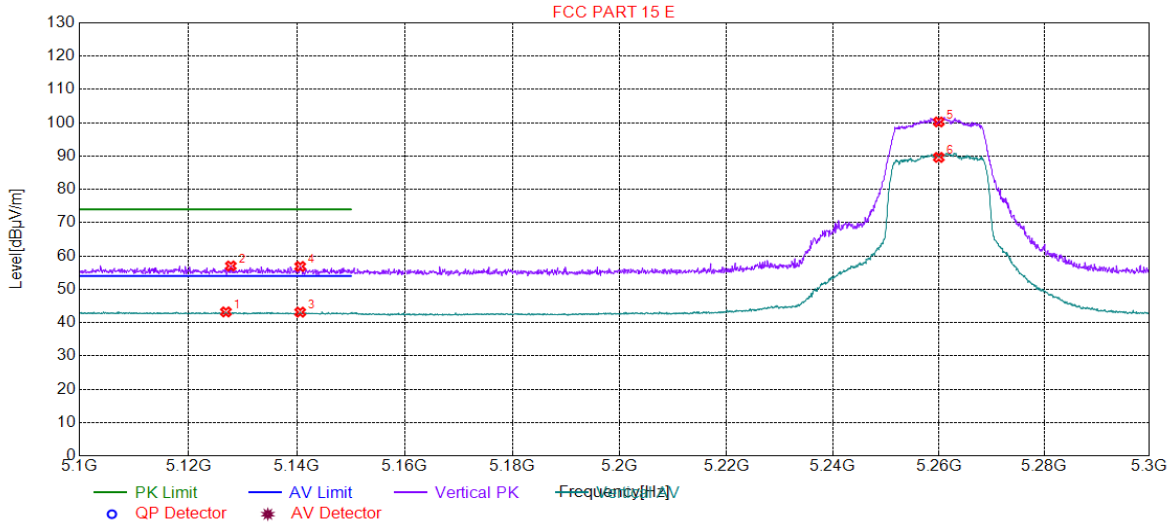
### 4.10.1.21 802.11N20_Channel 52

**Test Graph**




**Suspected List**

| Suspected List | | | | | | | |
|---|---|---|---|---|---|---|---|
| NO. | Freq. [MHz] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Height [cm] | Angle [°] | Polarity |
| 1 | 5126.913 | 43.23 | 54.00 | 10.77 | 192 | 35 | Vertical |
| 2 | 5127.813 | 57.03 | 74.00 | 16.97 | 219 | 169 | Vertical |
| 3 | 5140.620 | 43.16 | 54.00 | 10.84 | 213 | 149 | Vertical |
| 4 | 5140.620 | 56.88 | 74.00 | 17.12 | 297 | 354 | Vertical |
| 5 | 5260.000 | 100.25 | 0.00 | -100.25 | 157 | 83 | Vertical |
| 6 | 5260.000 | 89.60 | 0.00 | -89.60 | 180 | 83 | Vertical |

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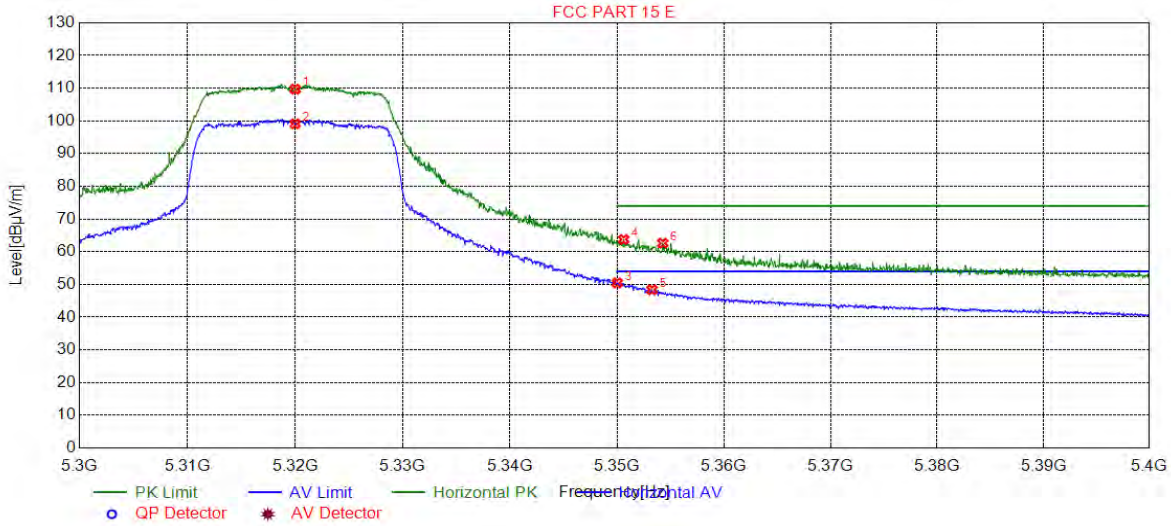
### 4.10.1.22 802.11N20_Channel 64

**Test Graph**




**Suspected List**

| Suspected List | | | | | | | |
|---|---|---|---|---|---|---|---|
| NO. | Freq. [MHz] | Level [dBµV/m] | Limit [dBµV/m] | Margin [dB] | Height [cm] | Angle [°] | Polarity |
| 1 | 5320.000 | 109.72 | 0.00 | -109.72 | 220 | 214 | Horizontal |
| 2 | 5320.000 | 99.12 | 0.00 | -99.12 | 225 | 214 | Horizontal |
| 3 | 5350.025 | 50.48 | 54.00 | 3.52 | 191 | 214 | Horizontal |
| 4 | 5350.625 | 63.77 | 74.00 | 10.23 | 219 | 214 | Horizontal |
| 5 | 5353.276 | 48.38 | 54.00 | 5.62 | 137 | 214 | Horizontal |
| 6 | 5354.277 | 62.61 | 74.00 | 11.39 | 163 | 219 | Horizontal |

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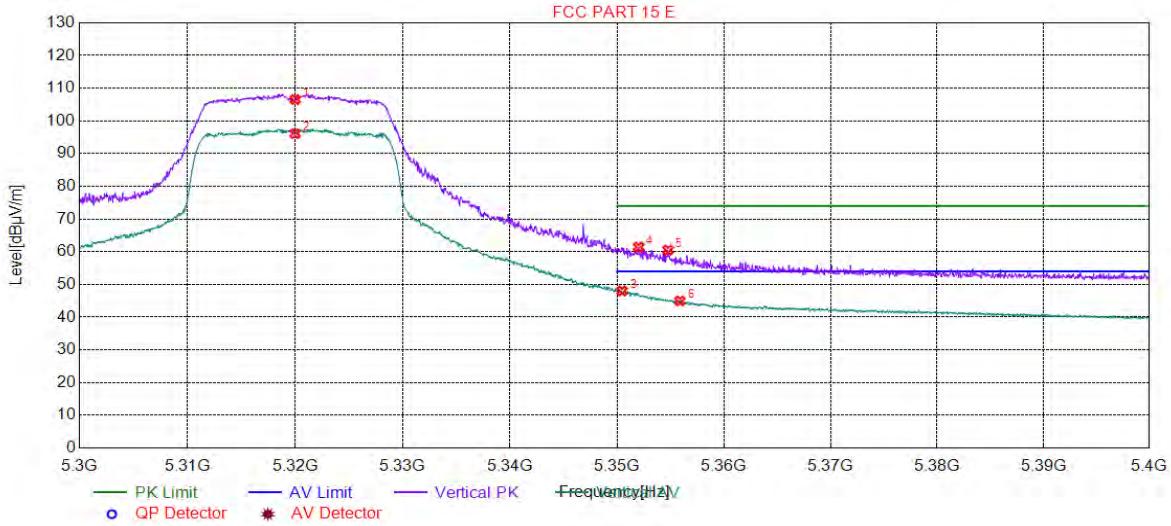
**4.10.1.23 802.11N20_Channel 64**

**Test Graph**




**Suspected List**

| Suspected List | | | | | | | |
|---|---|---|---|---|---|---|---|
| NO. | Freq. [MHz] | Level [dBµV/m] | Limit [dBµV/m] | Margin [dB] | Height [cm] | Angle [°] | Polarity |
| 1 | 5320.000 | 106.56 | 0.00 | -106.56 | 275 | 197 | Vertical |
| 2 | 5320.000 | 96.11 | 0.00 | -96.11 | 161 | 201 | Vertical |
| 3 | 5350.475 | 48.03 | 54.00 | 5.97 | 192 | 201 | Vertical |
| 4 | 5352.026 | 61.45 | 74.00 | 12.55 | 227 | 192 | Vertical |
| 5 | 5354.777 | 60.55 | 74.00 | 13.45 | 215 | 197 | Vertical |
| 6 | 5355.877 | 44.97 | 54.00 | 9.03 | 267 | 192 | Vertical |

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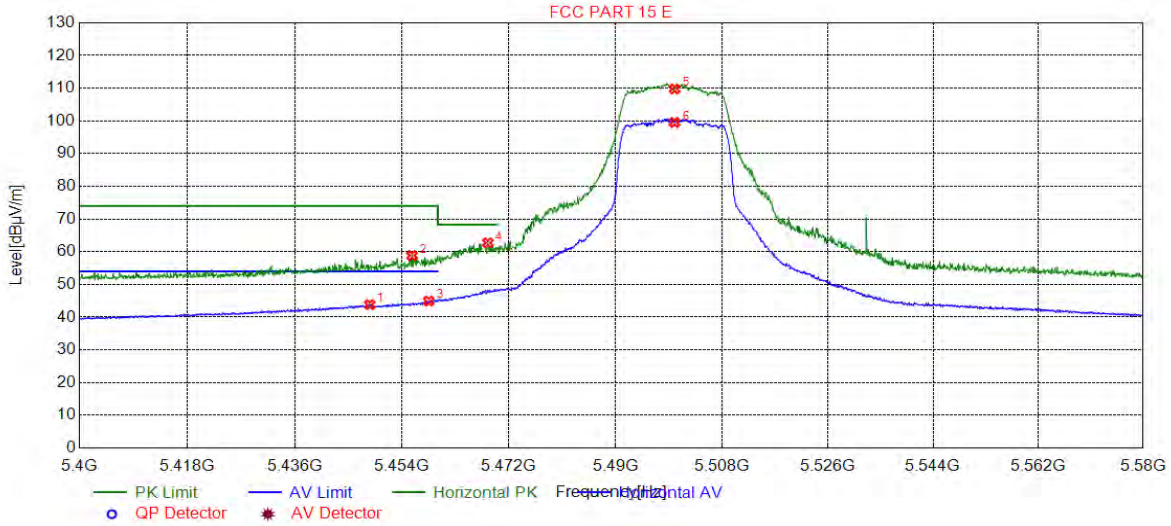
### 4.10.1.24 802.11N20_Channel 100

**Test Graph**




**Suspected List**

| Suspected List | | | | | | | |
|---|---|---|---|---|---|---|---|
| NO. | Freq. [MHz] | Level [dBµV/m] | Limit [dBµV/m] | Margin [dB] | Height [cm] | Angle [°] | Polarity |
| 1 | 5448.534 | 43.84 | 54.00 | 10.16 | 162 | 216 | Horizontal |
| 2 | 5455.647 | 58.85 | 74.00 | 15.15 | 147 | 213 | Horizontal |
| 3 | 5458.439 | 44.94 | 54.00 | 9.06 | 182 | 216 | Horizontal |
| 4 | 5468.434 | 62.71 | 68.30 | 5.59 | 212 | 228 | Horizontal |
| 5 | 5500.000 | 109.80 | 0.00 | -109.80 | 173 | 216 | Horizontal |
| 6 | 5500.000 | 99.54 | 0.00 | -99.54 | 168 | 216 | Horizontal |

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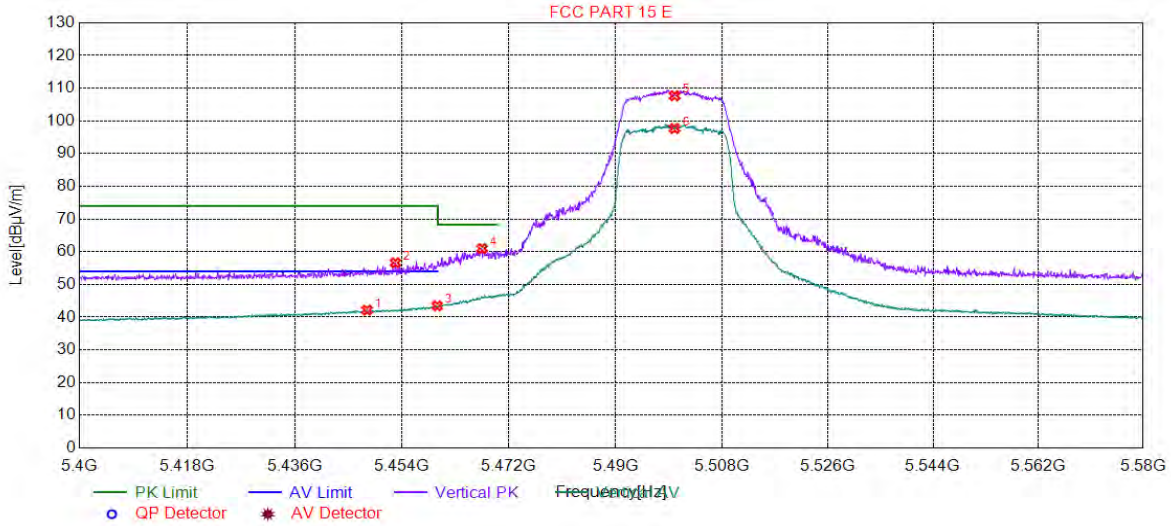
**4.10.1.25 802.11N20_Channel 100**

**Test Graph**




**Suspected List**

| Suspected List | | | | | | | |
|---|---|---|---|---|---|---|---|
| NO. | Freq. [MHz] | Level [dBµV/m] | Limit [dBµV/m] | Margin [dB] | Height [cm] | Angle [°] | Polarity |
| 1 | 5448.084 | 42.15 | 54.00 | 11.85 | 278 | 193 | Vertical |
| 2 | 5452.856 | 56.64 | 74.00 | 17.36 | 170 | 193 | Vertical |
| 3 | 5459.879 | 43.46 | 54.00 | 10.54 | 188 | 198 | Vertical |
| 4 | 5467.443 | 60.99 | 68.30 | 7.31 | 287 | 186 | Vertical |
| 5 | 5500.000 | 107.69 | 0.00 | -107.69 | 154 | 198 | Vertical |
| 6 | 5500.000 | 97.69 | 0.00 | -97.69 | 226 | 201 | Vertical |

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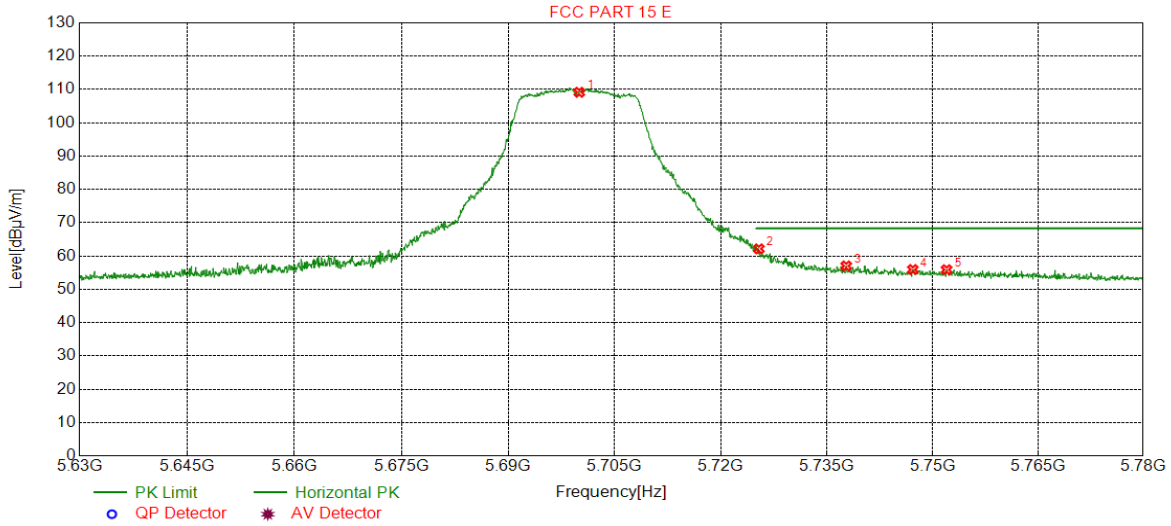
## 4.10.1.26 802.11N20_Channel 140

**Test Graph**




**Suspected List**

| Suspected List | | | | | | | |
|---|---|---|---|---|---|---|---|
| NO. | Freq. [MHz] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Height [cm] | Angle [°] | Polarity |
| 1 | 5700.000 | 109.16 | 0.00 | -109.16 | 244 | 211 | Horizontal |
| 2 | 5725.372 | 62.16 | 68.30 | 6.14 | 113 | 52 | Horizontal |
| 3 | 5737.753 | 57.03 | 68.30 | 11.27 | 113 | 43 | Horizontal |
| 4 | 5747.208 | 55.96 | 68.30 | 12.34 | 164 | 32 | Horizontal |
| 5 | 5752.011 | 55.90 | 68.30 | 12.40 | 240 | 344 | Horizontal |

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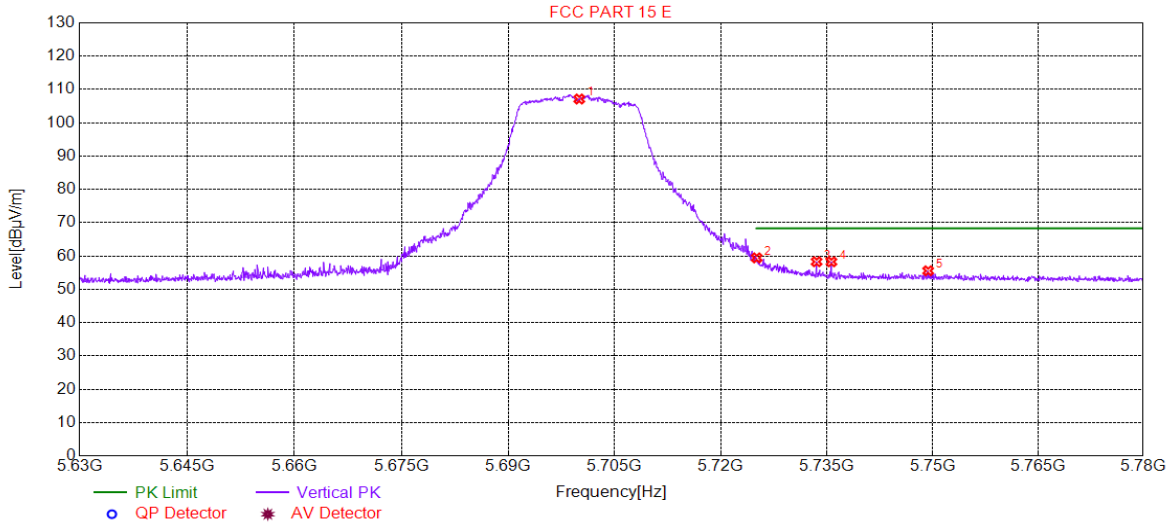
## 4.10.1.27 802.11N20_Channel 140

**Test Graph**




**Suspected List**

| Suspected List | | | | | | | |
|---|---|---|---|---|---|---|---|
| NO. | Freq. [MHz] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Height [cm] | Angle [°] | Polarity |
| 1 | 5700.000 | 107.13 | 0.00 | -107.13 | 239 | 197 | Vertical |
| 2 | 5725.072 | 59.45 | 68.30 | 8.85 | 223 | 197 | Vertical |
| 3 | 5733.551 | 58.30 | 68.30 | 10.00 | 161 | 346 | Vertical |
| 4 | 5735.652 | 58.27 | 68.30 | 10.03 | 217 | 145 | Vertical |
| 5 | 5749.384 | 55.57 | 68.30 | 12.73 | 196 | 195 | Vertical |

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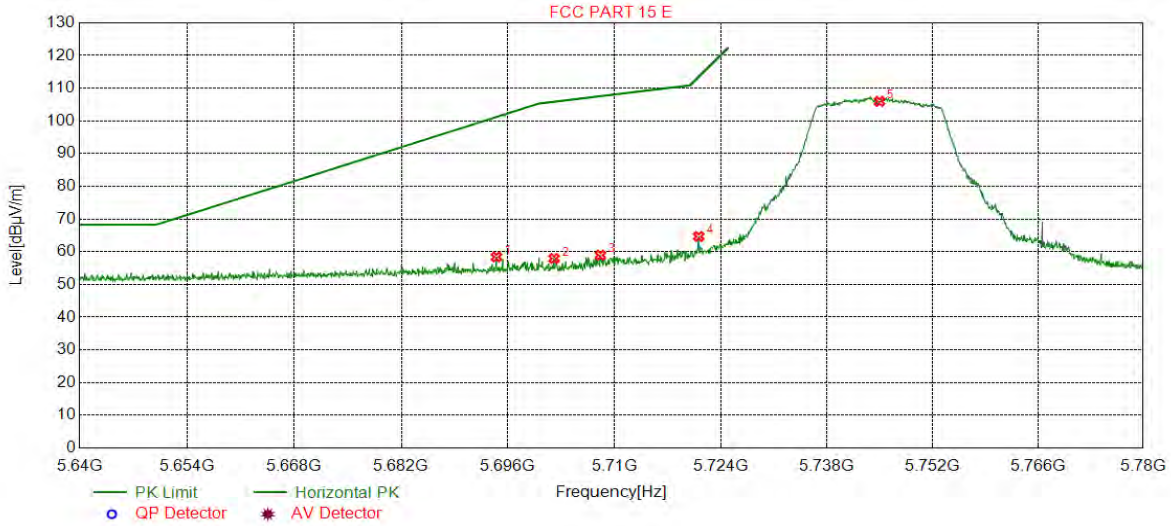
**4.10.1.28 802.11N20_Channel 149**

**Test Graph**




**Suspected List**

| Suspected List | | | | | | | |
|---|---|---|---|---|---|---|---|
| NO. | Freq. [MHz] | Level [dBµV/m] | Limit [dBµV/m] | Margin [dB] | Height [cm] | Angle [°] | Polarity |
| 1 | 5694.487 | 58.42 | 101.22 | 42.80 | 207 | 72 | Horizontal |
| 2 | 5702.051 | 57.95 | 105.87 | 47.92 | 129 | 1 | Horizontal |
| 3 | 5708.144 | 58.96 | 107.58 | 48.62 | 184 | 40 | Horizontal |
| 4 | 5721.100 | 64.68 | 113.41 | 48.73 | 208 | 112 | Horizontal |
| 5 | 5745.000 | 105.99 | 0.00 | -105.99 | 188 | 51 | Horizontal |

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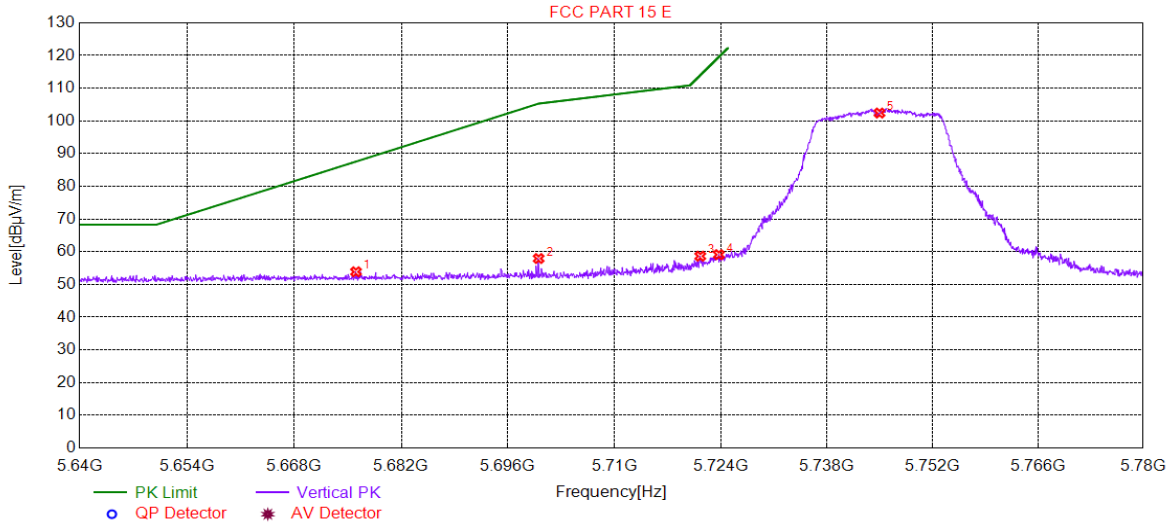
### 4.10.1.29 802.11N20_Channel 149

**Test Graph**




**Suspected List**

| Suspected List | | | | | | | |
|---|---|---|---|---|---|---|---|
| NO. | Freq. [MHz] | Level [dBµV/m] | Limit [dBµV/m] | Margin [dB] | Height [cm] | Angle [°] | Polarity |
| 1 | 5676.068 | 53.88 | 87.59 | 33.71 | 272 | 359 | Vertical |
| 2 | 5700.020 | 57.94 | 105.31 | 47.37 | 217 | 60 | Vertical |
| 3 | 5721.310 | 58.66 | 113.89 | 55.23 | 298 | 38 | Vertical |
| 4 | 5723.761 | 59.12 | 119.48 | 60.36 | 282 | 41 | Vertical |
| 5 | 5745.000 | 102.42 | 0.00 | -102.42 | 296 | 38 | Vertical |

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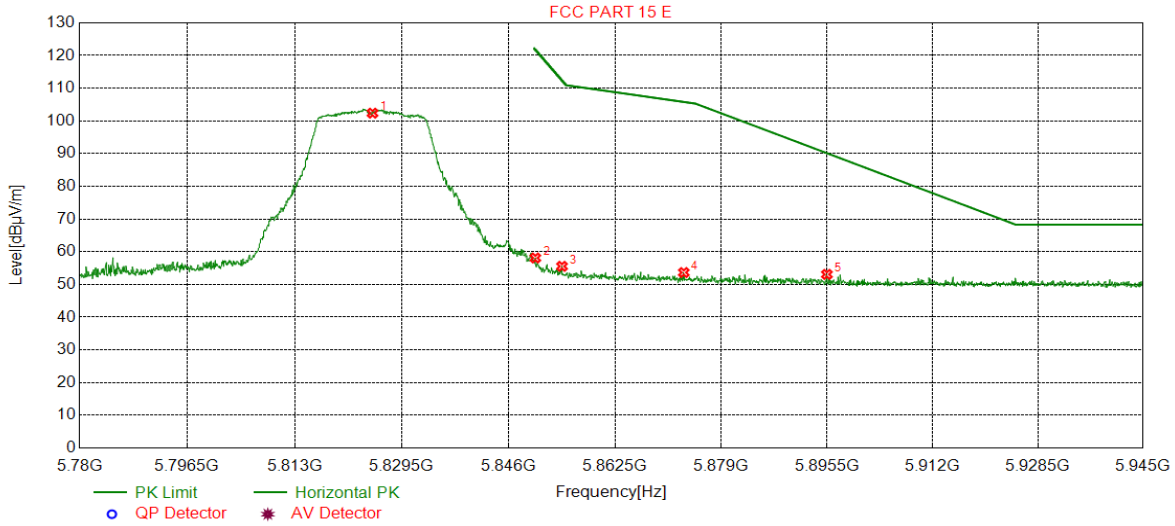
**4.10.1.30 802.11N20_Channel 165**

**Test Graph**




**Suspected List**

| Suspected List | | | | | | | |
|---|---|---|---|---|---|---|---|
| NO. | Freq. [MHz] | Level [dBµV/m] | Limit [dBµV/m] | Margin [dB] | Height [cm] | Angle [°] | Polarity |
| 1 | 5825.000 | 102.39 | 0.00 | -102.39 | 155 | 213 | Horizontal |
| 2 | 5850.160 | 58.11 | 121.94 | 63.83 | 141 | 227 | Horizontal |
| 3 | 5854.287 | 55.56 | 112.53 | 56.97 | 157 | 209 | Horizontal |
| 4 | 5873.189 | 53.66 | 105.81 | 52.15 | 173 | 213 | Horizontal |
| 5 | 5895.475 | 53.09 | 90.15 | 37.06 | 215 | 213 | Horizontal |

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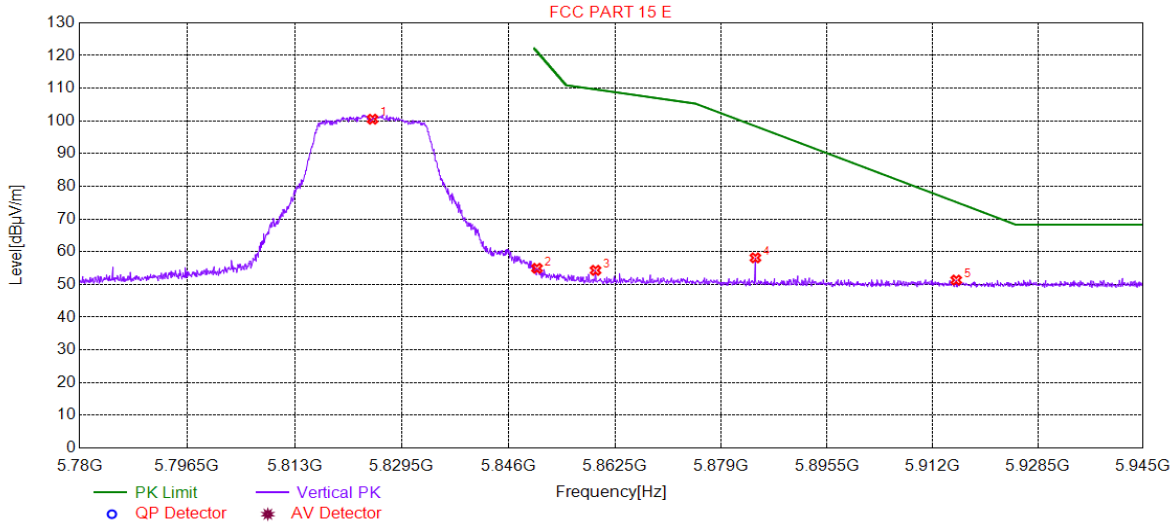
## 4.10.1.31 802.11N20_Channel 165

**Test Graph**




**Suspected List**

| Suspected List | | | | | | | |
|---|---|---|---|---|---|---|---|
| NO. | Freq. [MHz] | Level [dBµV/m] | Limit [dBµV/m] | Margin [dB] | Height [cm] | Angle [°] | Polarity |
| 1 | 5825.000 | 100.54 | 0.00 | -100.54 | 185 | 37 | Vertical |
| 2 | 5850.407 | 54.95 | 121.37 | 66.42 | 265 | 37 | Vertical |
| 3 | 5859.487 | 54.33 | 109.64 | 55.31 | 164 | 174 | Vertical |
| 4 | 5884.332 | 58.15 | 98.39 | 40.24 | 296 | 105 | Vertical |
| 5 | 5915.697 | 51.35 | 75.18 | 23.83 | 170 | 59 | Vertical |

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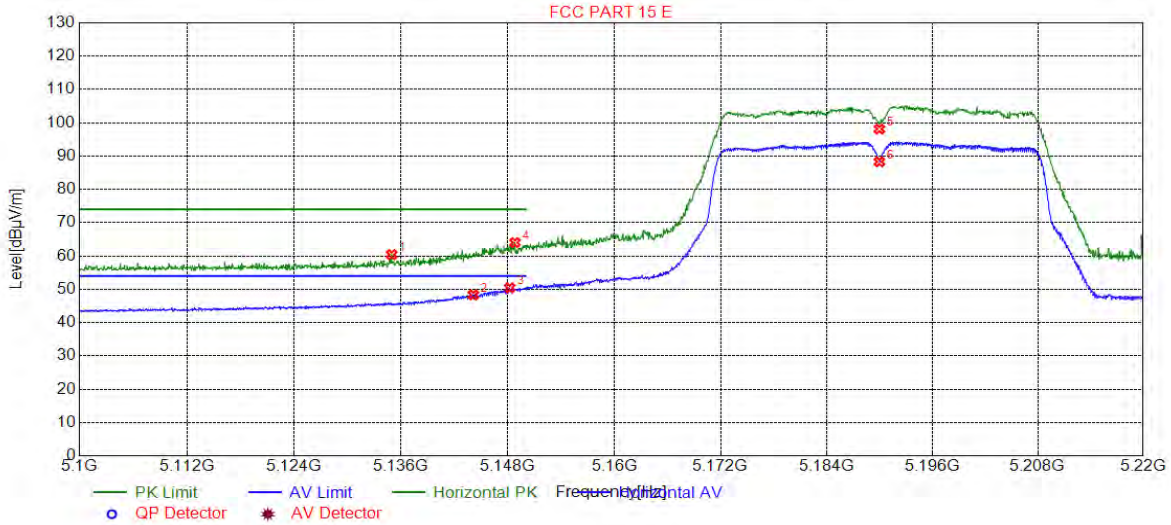
### 4.10.1.32 802.11N40_Channel 38

**Test Graph**




**Suspected List**

| Suspected List | | | | | | | |
|---|---|---|---|---|---|---|---|
| NO. | Freq. [MHz] | Level [dBµV/m] | Limit [dBµV/m] | Margin [dB] | Height [cm] | Angle [°] | Polarity |
| 1 | 5134.937 | 60.42 | 74.00 | 13.58 | 144 | 228 | Horizontal |
| 2 | 5144.122 | 48.36 | 54.00 | 5.64 | 117 | 228 | Horizontal |
| 3 | 5148.204 | 50.47 | 54.00 | 3.53 | 115 | 236 | Horizontal |
| 4 | 5148.804 | 64.04 | 74.00 | 9.96 | 124 | 232 | Horizontal |
| 5 | 5190.000 | 98.11 | 0.00 | -98.11 | 204 | 208 | Vertical |
| 6 | 5190.000 | 88.29 | 0.00 | -88.29 | 136 | 239 | Horizontal |

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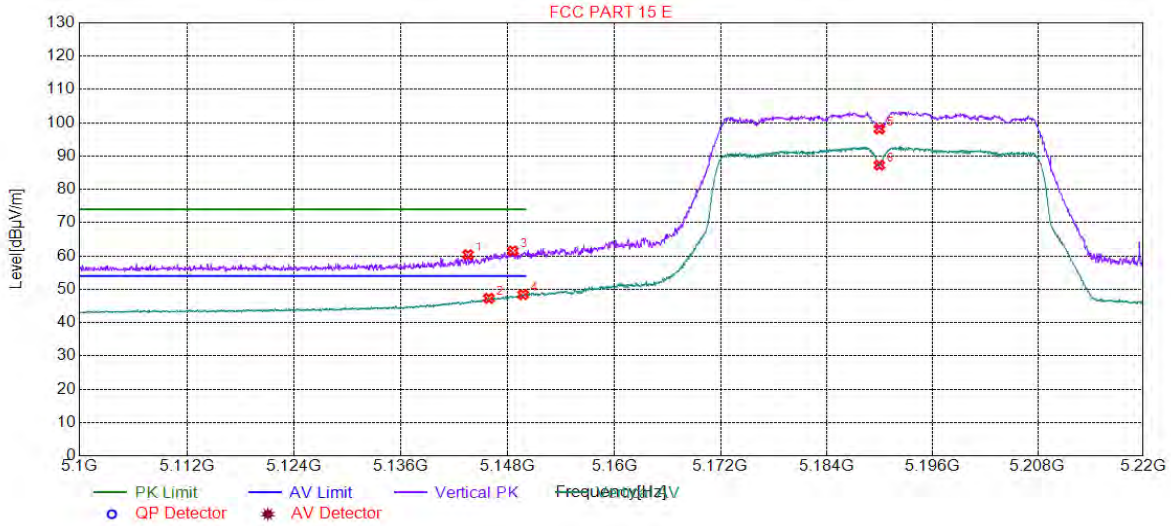
**4.10.1.33 802.11N40_Channel 38**

**Test Graph**




**Suspected List**

| Suspected List | | | | | | | |
|---|---|---|---|---|---|---|---|
| NO. | Freq. [MHz] | Level [dBµV/m] | Limit [dBµV/m] | Margin [dB] | Height [cm] | Angle [°] | Polarity |
| 1 | 5143.521 | 60.41 | 74.00 | 13.59 | 190 | 200 | Vertical |
| 2 | 5145.862 | 47.29 | 54.00 | 6.71 | 245 | 212 | Vertical |
| 3 | 5148.564 | 61.55 | 74.00 | 12.45 | 233 | 212 | Vertical |
| 4 | 5149.704 | 48.43 | 54.00 | 5.57 | 226 | 204 | Vertical |
| 5 | 5190.000 | 98.11 | 0.00 | -98.11 | 215 | 208 | Vertical |
| 6 | 5190.000 | 87.26 | 0.00 | -87.26 | 272 | 212 | Vertical |

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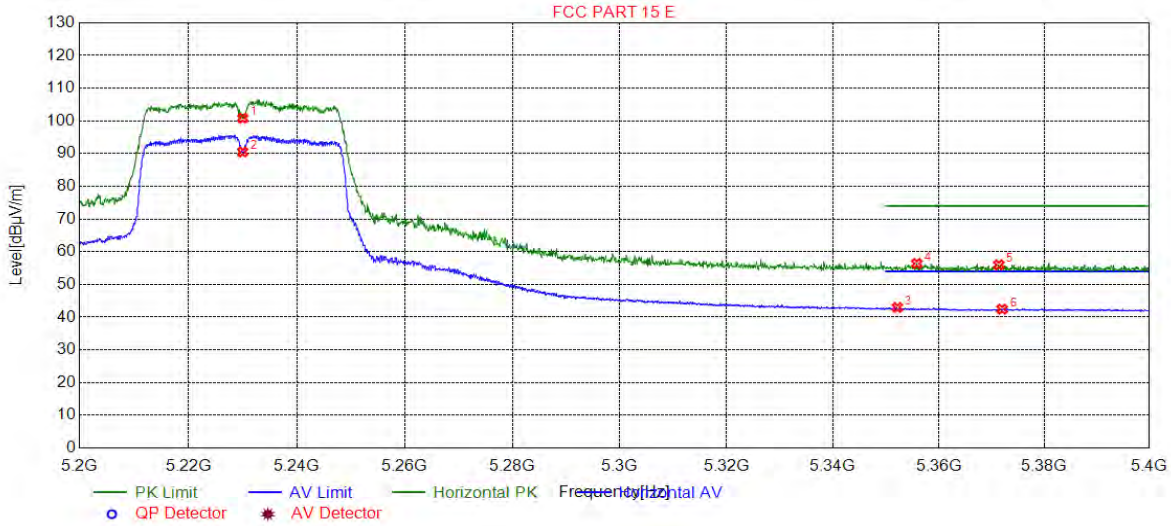
**4.10.1.34 802.11N40_Channel 46**

**Test Graph**




**Suspected List**

| Suspected List | | | | | | | |
|---|---|---|---|---|---|---|---|
| NO. | Freq. [MHz] | Level [dBµV/m] | Limit [dBµV/m] | Margin [dB] | Height [cm] | Angle [°] | Polarity |
| 1 | 5230.000 | 100.80 | 0.00 | -100.80 | 204 | 224 | Horizontal |
| 2 | 5230.000 | 90.51 | 0.00 | -90.51 | 194 | 229 | Horizontal |
| 3 | 5352.176 | 42.98 | 54.00 | 11.02 | 103 | 1 | Horizontal |
| 4 | 5355.877 | 56.42 | 74.00 | 17.58 | 111 | 0 | Horizontal |
| 5 | 5371.385 | 56.00 | 74.00 | 18.00 | 147 | 186 | Horizontal |
| 6 | 5371.986 | 42.45 | 54.00 | 11.55 | 168 | 113 | Horizontal |

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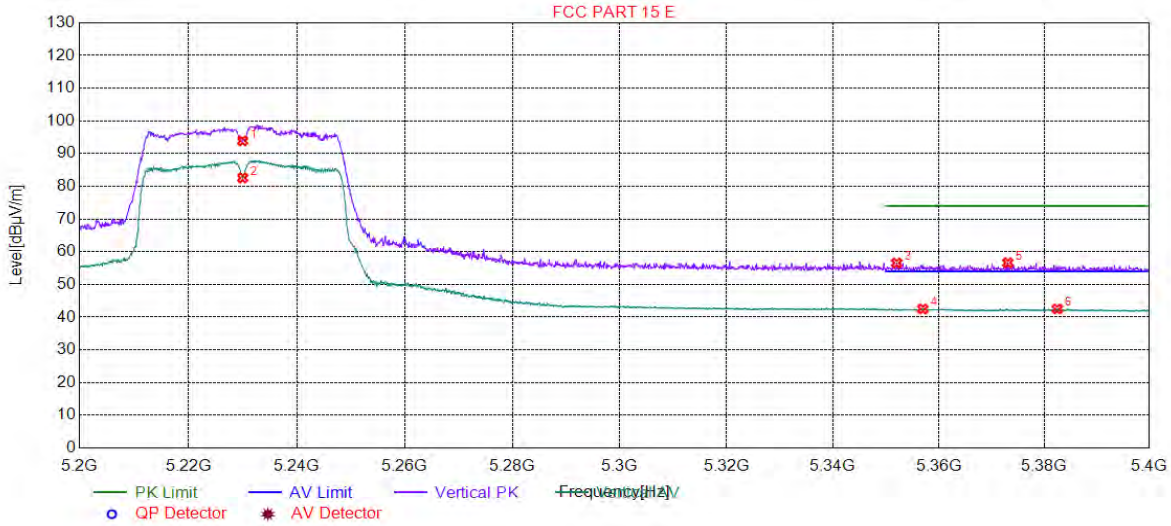
**4.10.1.35 802.11N40_Channel 46**

**Test Graph**




**Suspected List**

| Suspected List | | | | | | | |
|---|---|---|---|---|---|---|---|
| NO. | Freq. [MHz] | Level [dBµV/m] | Limit [dBµV/m] | Margin [dB] | Height [cm] | Angle [°] | Polarity |
| 1 | 5230.000 | 93.91 | 0.00 | -93.91 | 232 | 92 | Vertical |
| 2 | 5230.000 | 82.59 | 0.00 | -82.59 | 160 | 92 | Vertical |
| 3 | 5352.076 | 56.58 | 74.00 | 17.42 | 171 | 53 | Vertical |
| 4 | 5356.978 | 42.51 | 54.00 | 11.49 | 248 | 298 | Vertical |
| 5 | 5373.086 | 56.62 | 74.00 | 17.38 | 274 | 164 | Vertical |
| 6 | 5382.491 | 42.54 | 54.00 | 11.46 | 234 | 164 | Vertical |

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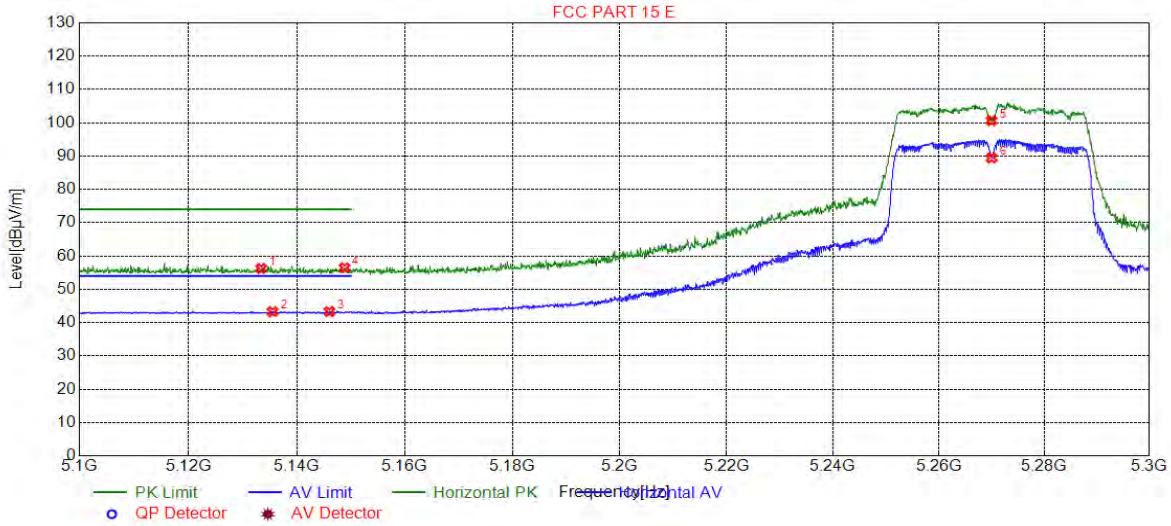
**4.10.1.36 802.11N40_Channel 54**

**Test Graph**




**Suspected List**

| Suspected List | | | | | | | |
|---|---|---|---|---|---|---|---|
| NO. | Freq. [MHz] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Height [cm] | Angle [°] | Polarity |
| 1 | 5133.416 | 56.27 | 74.00 | 17.73 | 116 | 110 | Horizontal |
| 2 | 5135.517 | 43.30 | 54.00 | 10.70 | 167 | 258 | Horizontal |
| 3 | 5146.023 | 43.35 | 54.00 | 10.65 | 168 | 230 | Horizontal |
| 4 | 5148.824 | 56.50 | 74.00 | 17.50 | 200 | 321 | Horizontal |
| 5 | 5270.000 | 100.63 | 0.00 | -100.63 | 150 | 225 | Horizontal |
| 6 | 5270.000 | 89.45 | 0.00 | -89.45 | 146 | 225 | Horizontal |

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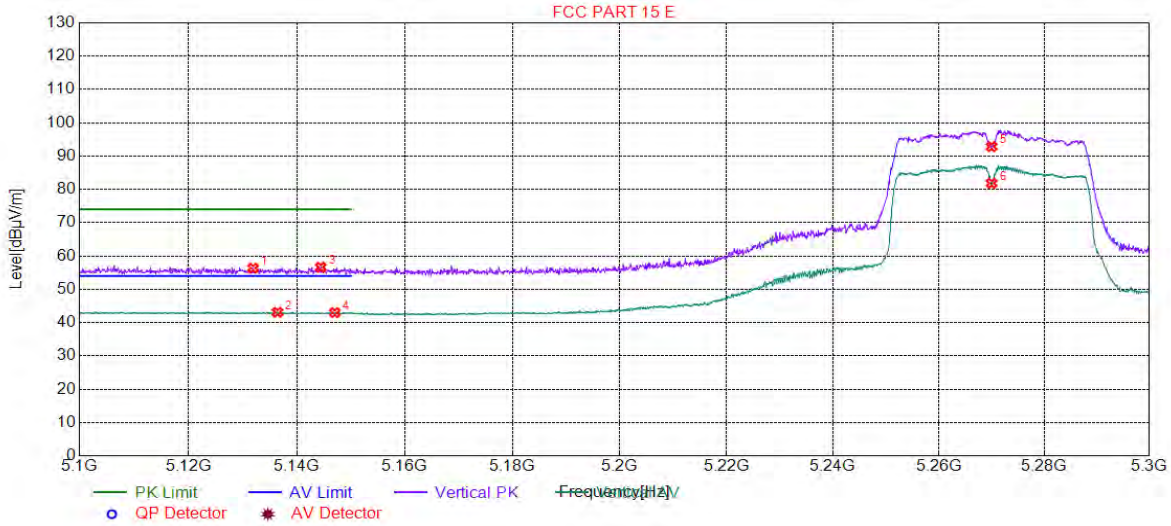
**4.10.1.37 802.11N40_Channel 54**

**Test Graph**




**Suspected List**

| Suspected List | | | | | | | |
|---|---|---|---|---|---|---|---|
| NO. | Freq. [MHz] | Level [dBµV/m] | Limit [dBµV/m] | Margin [dB] | Height [cm] | Angle [°] | Polarity |
| 1 | 5131.916 | 56.37 | 74.00 | 17.63 | 291 | 135 | Vertical |
| 2 | 5136.418 | 43.13 | 54.00 | 10.87 | 194 | 25 | Vertical |
| 3 | 5144.422 | 56.63 | 74.00 | 17.37 | 172 | 212 | Vertical |
| 4 | 5147.023 | 43.03 | 54.00 | 10.97 | 254 | 344 | Vertical |
| 5 | 5270.000 | 92.82 | 0.00 | -92.82 | 230 | 324 | Vertical |
| 6 | 5270.000 | 81.84 | 0.00 | -81.84 | 159 | 320 | Vertical |

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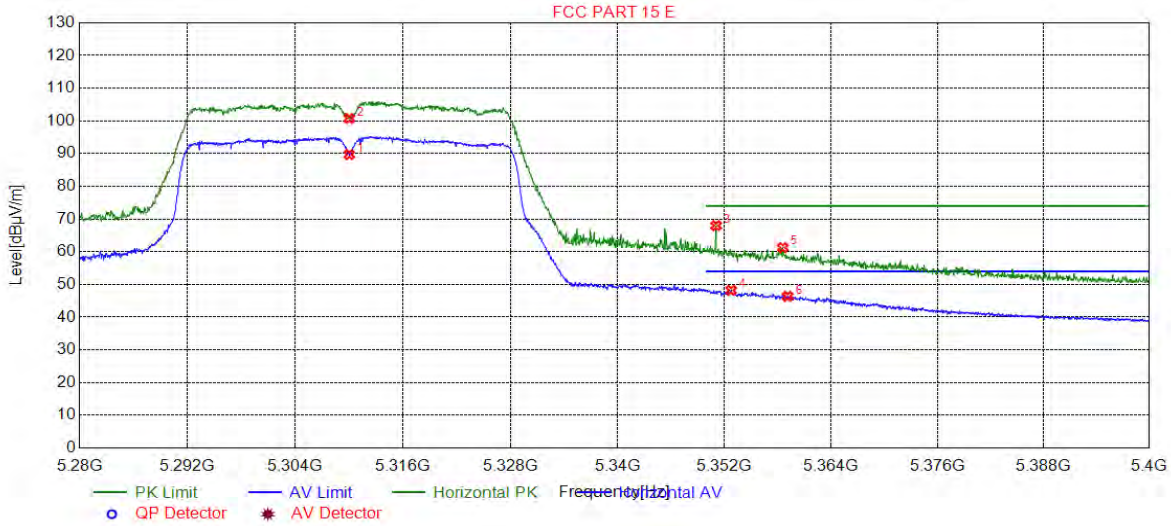
**4.10.1.38 802.11N40_Channel 62**

**Test Graph**




**Suspected List**

| Suspected List | | | | | | | |
|---|---|---|---|---|---|---|---|
| NO. | Freq. [MHz] | Level [dBµV/m] | Limit [dBµV/m] | Margin [dB] | Height [cm] | Angle [°] | Polarity |
| 1 | 5310.000 | 89.72 | 0.00 | -89.72 | 246 | 230 | Horizontal |
| 2 | 5310.000 | 100.73 | 0.00 | -100.73 | 136 | 230 | Horizontal |
| 3 | 5351.075 | 67.99 | 74.00 | 6.01 | 213 | 16 | Horizontal |
| 4 | 5352.756 | 48.23 | 54.00 | 5.77 | 222 | 230 | Horizontal |
| 5 | 5358.579 | 61.26 | 74.00 | 12.74 | 165 | 235 | Horizontal |
| 6 | 5359.119 | 46.37 | 54.00 | 7.63 | 134 | 226 | Horizontal |

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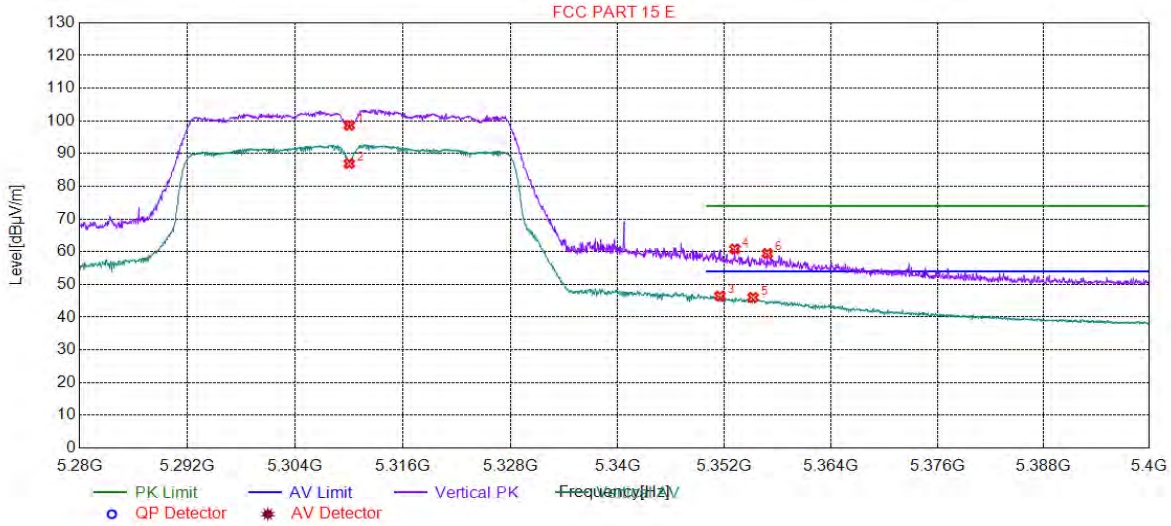
**4.10.1.39 802.11N40_Channel 62**

**Test Graph**




**Suspected List**

| Suspected List | | | | | | | |
|---|---|---|---|---|---|---|---|
| NO. | Freq. [MHz] | Level [dBµV/m] | Limit [dBµV/m] | Margin [dB] | Height [cm] | Angle [°] | Polarity |
| 1 | 5310.000 | 98.66 | 0.00 | -98.66 | 202 | 208 | Vertical |
| 2 | 5310.000 | 86.99 | 0.00 | -86.99 | 297 | 204 | Vertical |
| 3 | 5351.495 | 46.44 | 54.00 | 7.56 | 268 | 213 | Vertical |
| 4 | 5353.176 | 60.85 | 74.00 | 13.15 | 257 | 213 | Vertical |
| 5 | 5355.217 | 46.02 | 54.00 | 7.98 | 250 | 204 | Vertical |
| 6 | 5356.838 | 59.48 | 74.00 | 14.52 | 289 | 213 | Vertical |

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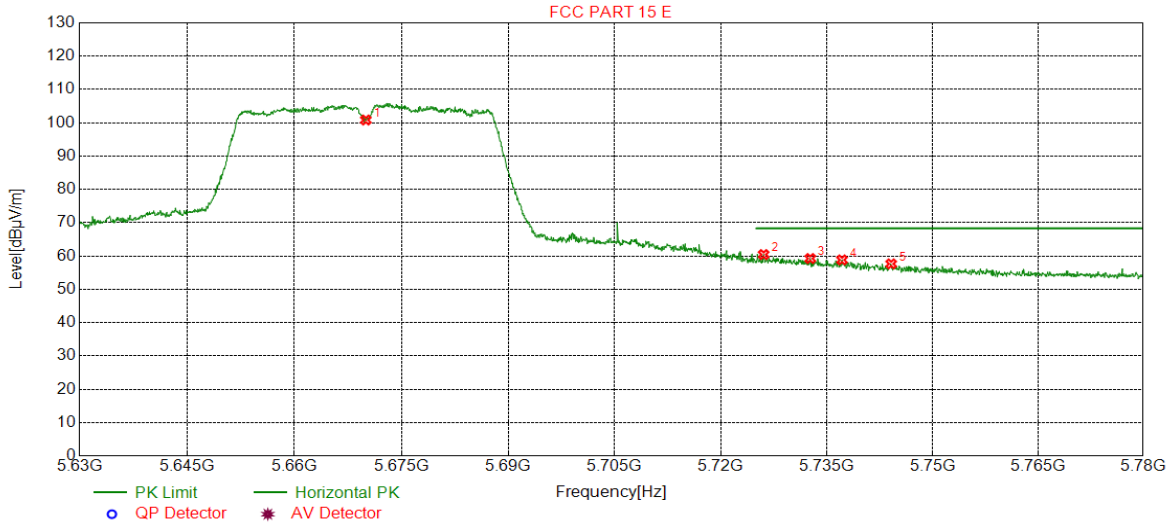
**4.10.1.40 802.11N40_Channel 134**

**Test Graph**




**Suspected List**

| Suspected List | | | | | | | |
|---|---|---|---|---|---|---|---|
| NO. | Freq. [MHz] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Height [cm] | Angle [°] | Polarity |
| 1 | 5670.000 | 100.83 | 0.00 | -100.83 | 187 | 352 | Horizontal |
| 2 | 5726.048 | 60.45 | 68.30 | 7.85 | 137 | 66 | Horizontal |
| 3 | 5732.651 | 59.26 | 68.30 | 9.04 | 122 | 356 | Horizontal |
| 4 | 5737.153 | 58.84 | 68.30 | 9.46 | 240 | 40 | Horizontal |
| 5 | 5744.132 | 57.66 | 68.30 | 10.64 | 230 | 356 | Horizontal |

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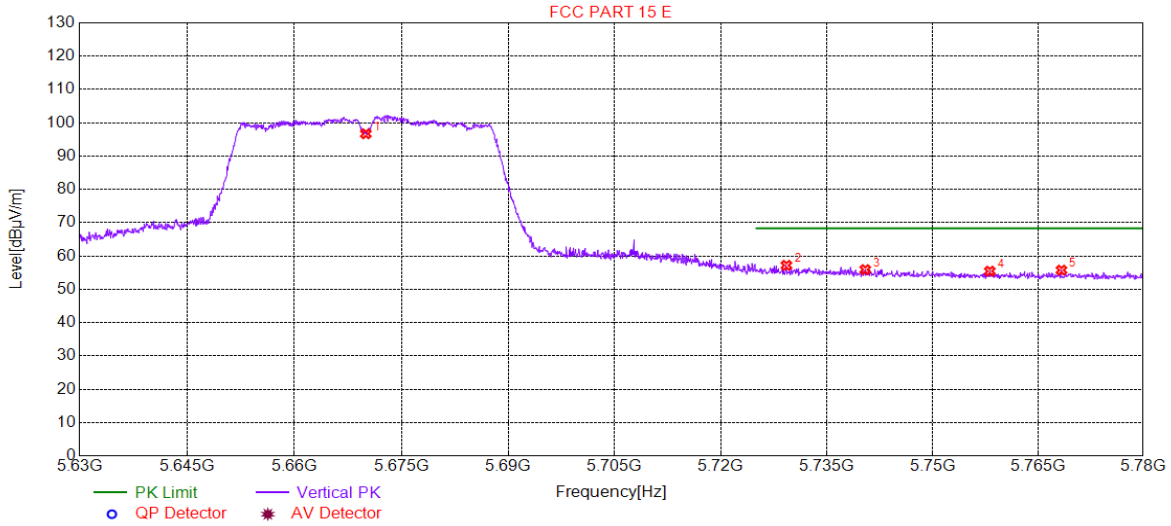
### 4.10.1.41 802.11N40_Channel 134

**Test Graph**




**Suspected List**

| Suspected List | | | | | | | |
|---|---|---|---|---|---|---|---|
| NO. | Freq. [MHz] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Height [cm] | Angle [°] | Polarity |
| 1 | 5670.000 | 96.69 | 0.00 | -96.69 | 252 | 40 | Vertical |
| 2 | 5729.274 | 57.21 | 68.30 | 11.09 | 297 | 40 | Vertical |
| 3 | 5740.455 | 55.93 | 68.30 | 12.37 | 225 | 40 | Vertical |
| 4 | 5758.164 | 55.46 | 68.30 | 12.84 | 294 | 241 | Vertical |
| 5 | 5768.369 | 55.78 | 68.30 | 12.52 | 190 | 181 | Vertical |

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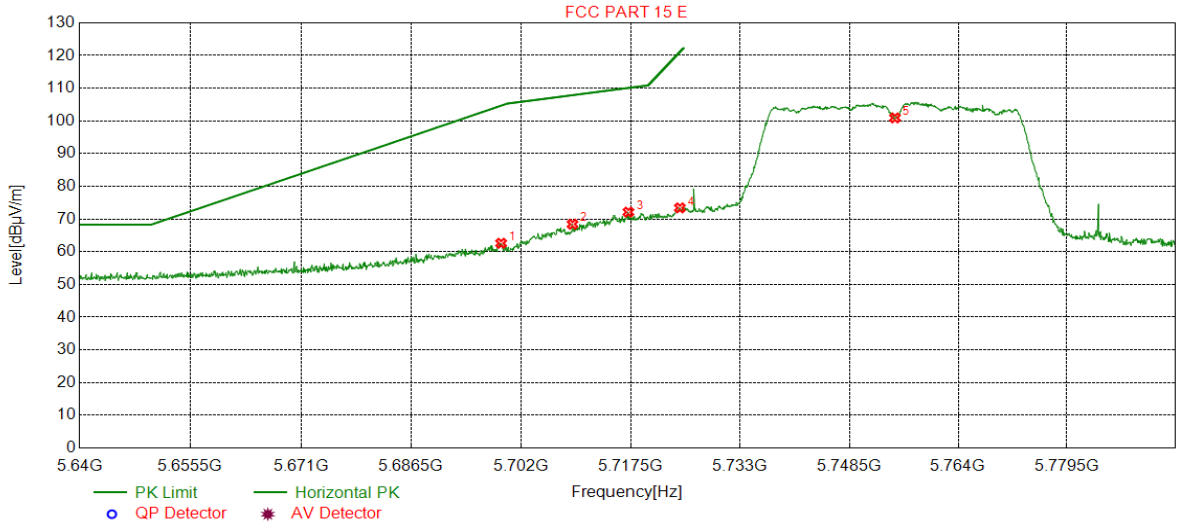
**4.10.1.42 802.11N40_Channel 151**

**Test Graph**




**Suspected List**

| Suspected List | | | | | | | |
|---|---|---|---|---|---|---|---|
| NO. | Freq. [MHz] | Level [dBµV/m] | Limit [dBµV/m] | Margin [dB] | Height [cm] | Angle [°] | Polarity |
| 1 | 5699.162 | 62.61 | 104.68 | 42.07 | 121 | 59 | Horizontal |
| 2 | 5709.242 | 68.44 | 107.89 | 39.45 | 133 | 16 | Horizontal |
| 3 | 5717.151 | 72.13 | 110.10 | 37.97 | 121 | 354 | Horizontal |
| 4 | 5724.439 | 73.43 | 121.02 | 47.59 | 203 | 16 | Horizontal |
| 5 | 5755.000 | 100.94 | 0.00 | -100.94 | 195 | 67 | Horizontal |

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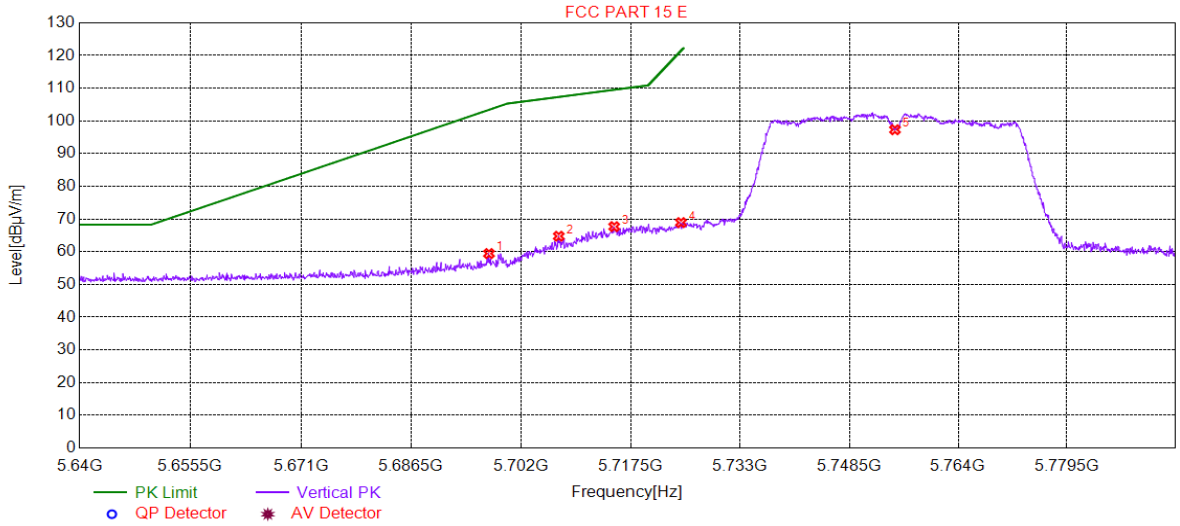
**4.10.1.43 802.11N40_Channel 151**

**Test Graph**




**Suspected List**

| Suspected List | | | | | | | |
|---|---|---|---|---|---|---|---|
| NO. | Freq. [MHz] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Height [cm] | Angle [°] | Polarity |
| 1 | 5697.456 | 59.46 | 103.42 | 43.96 | 294 | 46 | Vertical |
| 2 | 5707.303 | 64.76 | 107.35 | 42.59 | 209 | 39 | Vertical |
| 3 | 5715.135 | 67.69 | 109.54 | 41.85 | 289 | 39 | Vertical |
| 4 | 5724.594 | 68.92 | 121.38 | 52.46 | 184 | 39 | Vertical |
| 5 | 5755.000 | 97.32 | 0.00 | -97.32 | 251 | 39 | Vertical |

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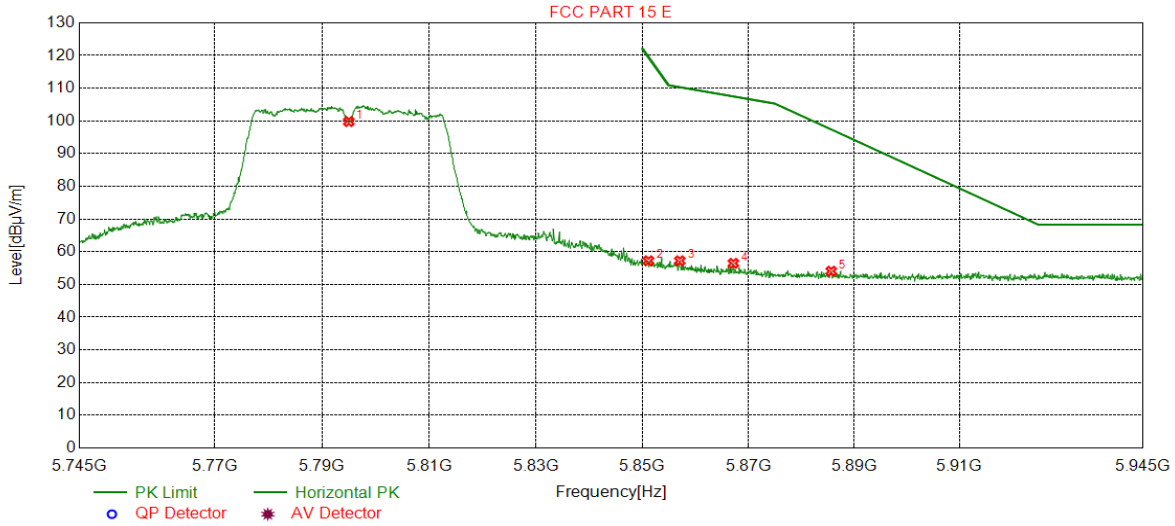
### 4.10.1.44 802.11N40_Channel 159

**Test Graph**




**Suspected List**

| Suspected List | | | | | | | |
|---|---|---|---|---|---|---|---|
| NO. | Freq. [MHz] | Level [dBµV/m] | Limit [dBµV/m] | Margin [dB] | Height [cm] | Angle [°] | Polarity |
| 1 | 5795.000 | 99.81 | 0.00 | -99.81 | 121 | 358 | Horizontal |
| 2 | 5851.153 | 57.25 | 119.67 | 62.42 | 179 | 243 | Horizontal |
| 3 | 5857.056 | 57.25 | 110.32 | 53.07 | 219 | 225 | Horizontal |
| 4 | 5867.161 | 56.47 | 107.49 | 51.02 | 111 | 265 | Horizontal |
| 5 | 5885.670 | 54.08 | 97.40 | 43.32 | 189 | 225 | Horizontal |

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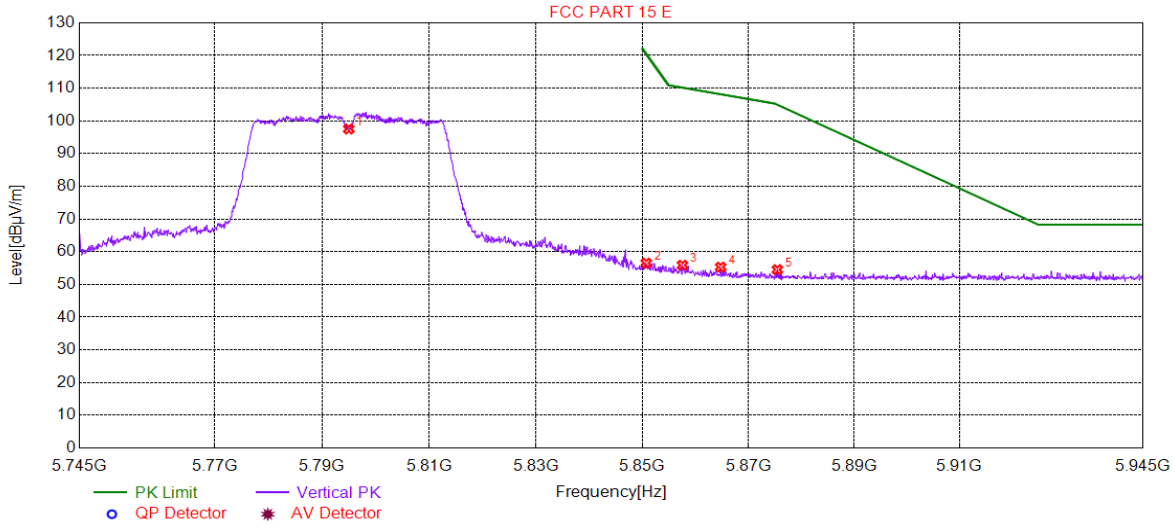
**4.10.1.45 802.11N40_Channel 159**

**Test Graph**




**Suspected List**

| Suspected List | | | | | | | |
|---|---|---|---|---|---|---|---|
| NO. | Freq. [MHz] | Level [dBµV/m] | Limit [dBµV/m] | Margin [dB] | Height [cm] | Angle [°] | Polarity |
| 1 | 5795.000 | 97.54 | 0.00 | -97.54 | 233 | 44 | Vertical |
| 2 | 5850.752 | 56.56 | 120.58 | 64.02 | 162 | 47 | Vertical |
| 3 | 5857.556 | 55.90 | 110.18 | 54.28 | 235 | 44 | Vertical |
| 4 | 5864.759 | 55.32 | 108.17 | 52.85 | 173 | 44 | Vertical |
| 5 | 5875.465 | 54.54 | 104.96 | 50.42 | 282 | 108 | Vertical |

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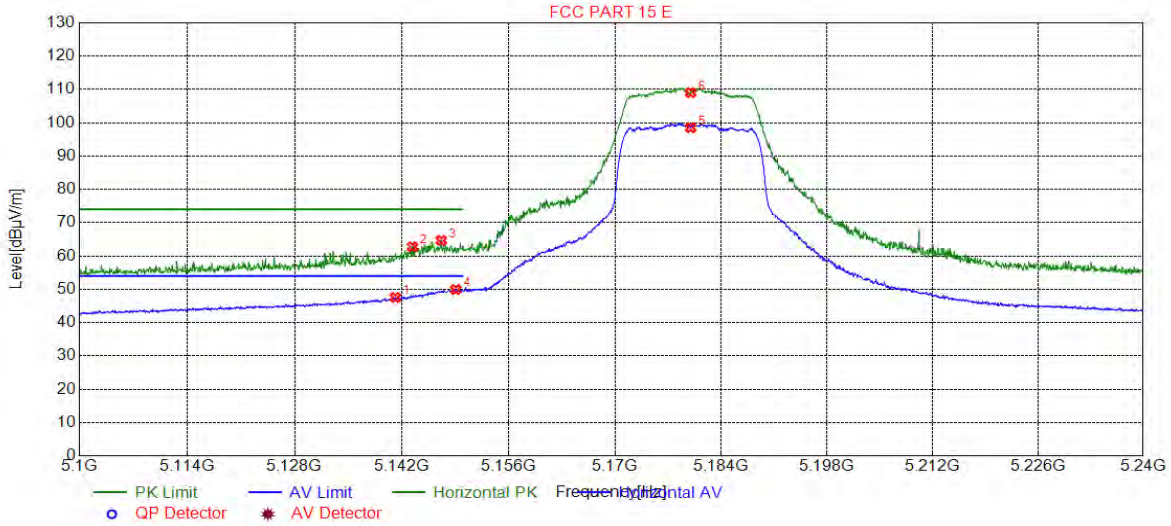
**4.10.1.46 802.11AC20_Channel 36**

**Test Graph**




**Suspected List**

| Suspected List | | | | | | | |
|---|---|---|---|---|---|---|---|
| NO. | Freq. [MHz] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Height [cm] | Angle [°] | Polarity |
| 1 | 5141.180 | 47.55 | 54.00 | 6.45 | 172 | 235 | Horizontal |
| 2 | 5143.421 | 62.79 | 74.00 | 11.21 | 150 | 239 | Horizontal |
| 3 | 5147.203 | 64.71 | 74.00 | 9.29 | 220 | 239 | Horizontal |
| 4 | 5149.094 | 49.95 | 54.00 | 4.05 | 143 | 235 | Horizontal |
| 5 | 5180.000 | 98.54 | 0.00 | -98.54 | 176 | 232 | Horizontal |
| 6 | 5180.000 | 109.05 | 0.00 | -109.05 | 121 | 232 | Horizontal |

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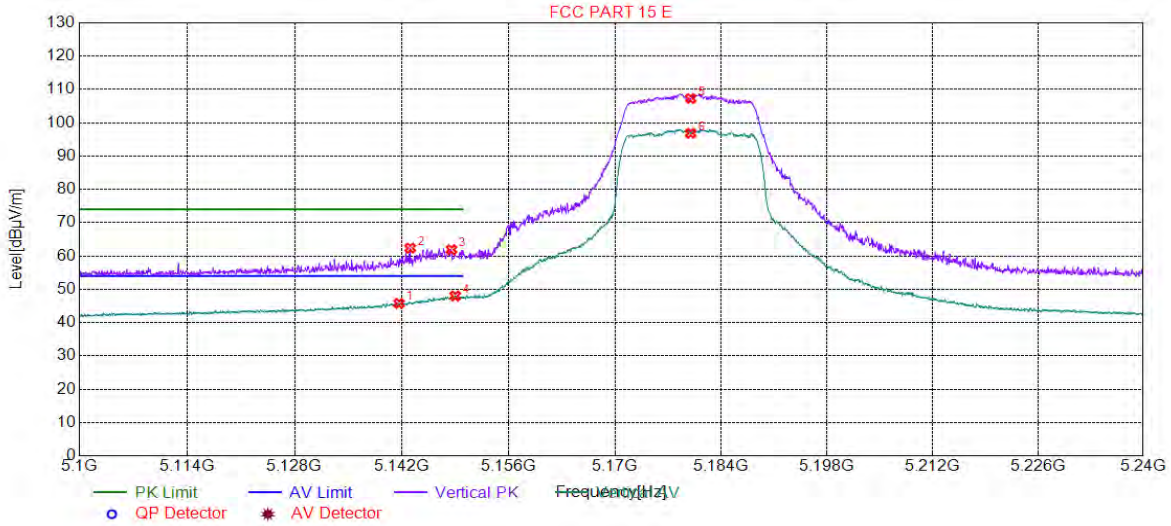
**4.10.1.47 802.11AC20_Channel 36**

**Test Graph**




**Suspected List**

| Suspected List | | | | | | | |
|---|---|---|---|---|---|---|---|
| NO. | Freq. [MHz] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Height [cm] | Angle [°] | Polarity |
| 1 | 5141.670 | 45.78 | 54.00 | 8.22 | 200 | 203 | Vertical |
| 2 | 5143.141 | 62.39 | 74.00 | 11.61 | 257 | 203 | Vertical |
| 3 | 5148.534 | 61.90 | 74.00 | 12.10 | 202 | 215 | Vertical |
| 4 | 5149.024 | 48.02 | 54.00 | 5.98 | 192 | 207 | Vertical |
| 5 | 5180.000 | 107.29 | 0.00 | -107.29 | 157 | 211 | Vertical |
| 6 | 5180.000 | 96.85 | 0.00 | -96.85 | 202 | 207 | Vertical |

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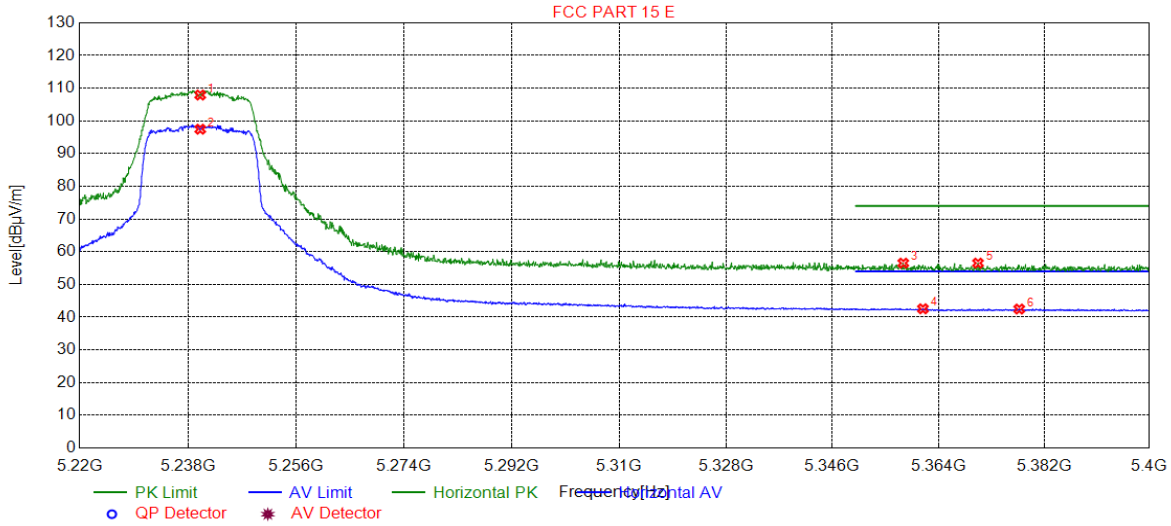
**4.10.1.48 802.11AC20_Channel 48**

**Test Graph**




**Suspected List**

| Suspected List | | | | | | | |
|---|---|---|---|---|---|---|---|
| NO. | Freq. [MHz] | Level [dBµV/m] | Limit [dBµV/m] | Margin [dB] | Height [cm] | Angle [°] | Polarity |
| 1 | 5240.000 | 107.93 | 0.00 | -107.93 | 215 | 226 | Horizontal |
| 2 | 5240.000 | 97.48 | 0.00 | -97.48 | 226 | 230 | Horizontal |
| 3 | 5358.039 | 56.53 | 74.00 | 17.47 | 146 | 40 | Horizontal |
| 4 | 5361.370 | 42.57 | 54.00 | 11.43 | 167 | 291 | Horizontal |
| 5 | 5370.735 | 56.53 | 74.00 | 17.47 | 191 | 352 | Horizontal |
| 6 | 5377.758 | 42.49 | 54.00 | 11.51 | 185 | 333 | Horizontal |

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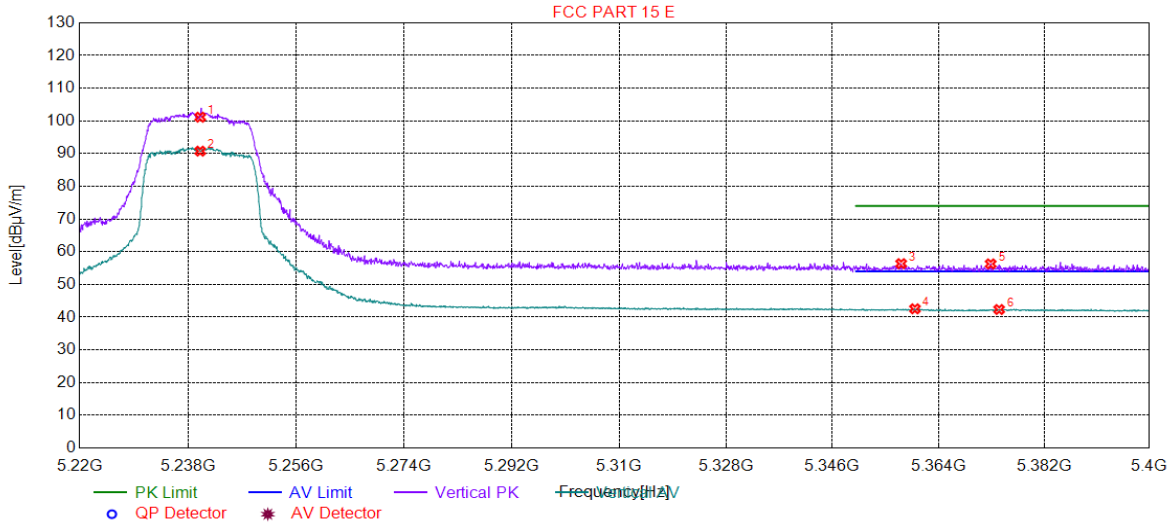
**4.10.1.49 802.11AC20_Channel 48**

**Test Graph**




**Suspected List**

| Suspected List | | | | | | | |
|---|---|---|---|---|---|---|---|
| NO. | Freq. [MHz] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Height [cm] | Angle [°] | Polarity |
| 1 | 5240.000 | 101.15 | 0.00 | -101.15 | 248 | 92 | Vertical |
| 2 | 5240.000 | 90.77 | 0.00 | -90.77 | 259 | 92 | Vertical |
| 3 | 5357.678 | 56.37 | 74.00 | 17.63 | 175 | 281 | Vertical |
| 4 | 5360.020 | 42.56 | 54.00 | 11.44 | 243 | 300 | Vertical |
| 5 | 5372.896 | 56.30 | 74.00 | 17.70 | 221 | 281 | Vertical |
| 6 | 5374.337 | 42.35 | 54.00 | 11.65 | 231 | 173 | Vertical |

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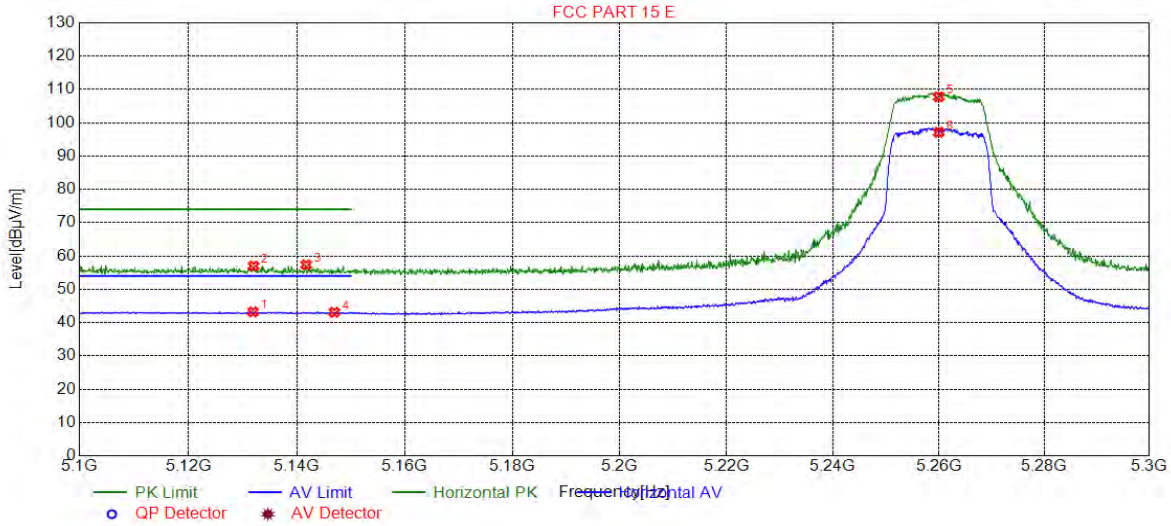
**4.10.1.50 802.11AC20_Channel 52**

**Test Graph**




**Suspected List**

| Suspected List | | | | | | | |
|---|---|---|---|---|---|---|---|
| NO. | Freq. [MHz] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Height [cm] | Angle [°] | Polarity |
| 1 | 5131.916 | 43.23 | 54.00 | 10.77 | 121 | 274 | Horizontal |
| 2 | 5132.016 | 57.02 | 74.00 | 16.98 | 209 | 154 | Horizontal |
| 3 | 5141.720 | 57.38 | 74.00 | 16.62 | 174 | 283 | Horizontal |
| 4 | 5146.923 | 43.12 | 54.00 | 10.88 | 167 | 317 | Horizontal |
| 5 | 5260.000 | 107.77 | 0.00 | -107.77 | 161 | 226 | Horizontal |
| 6 | 5260.000 | 97.14 | 0.00 | -97.14 | 110 | 230 | Horizontal |

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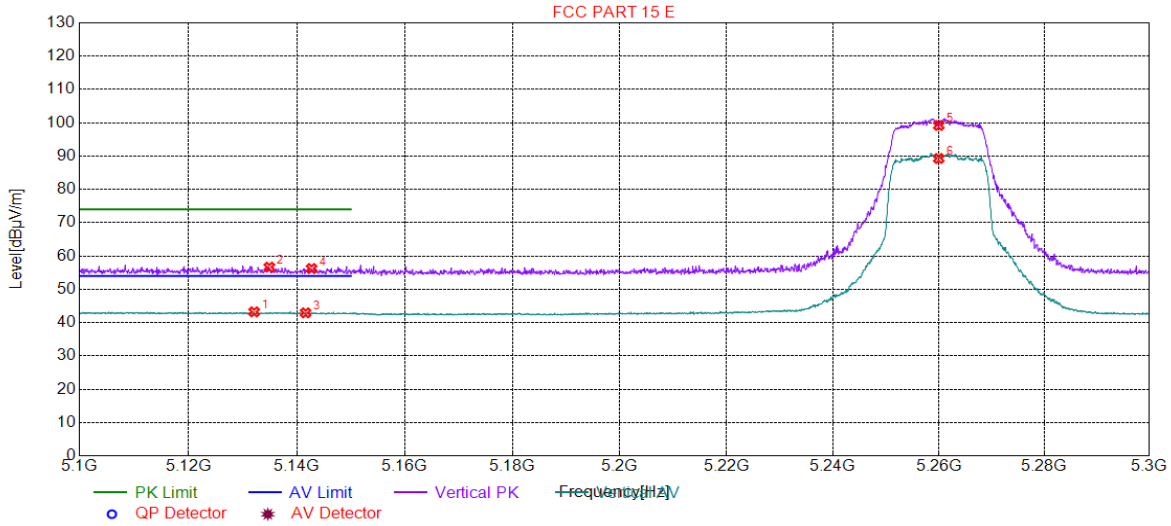
**4.10.1.51 802.11AC20_Channel 52**

**Test Graph**




**Suspected List**

| Suspected List | | | | | | | |
|---|---|---|---|---|---|---|---|
| NO. | Freq. [MHz] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Height [cm] | Angle [°] | Polarity |
| 1 | 5132.116 | 43.25 | 54.00 | 10.75 | 263 | 254 | Vertical |
| 2 | 5134.917 | 56.67 | 74.00 | 17.33 | 173 | 245 | Vertical |
| 3 | 5141.620 | 42.97 | 54.00 | 11.03 | 275 | 273 | Vertical |
| 4 | 5142.721 | 56.26 | 74.00 | 17.74 | 171 | 235 | Vertical |
| 5 | 5260.000 | 99.20 | 0.00 | -99.20 | 198 | 2 | Vertical |
| 6 | 5260.000 | 89.29 | 0.00 | -89.29 | 290 | 9 | Vertical |

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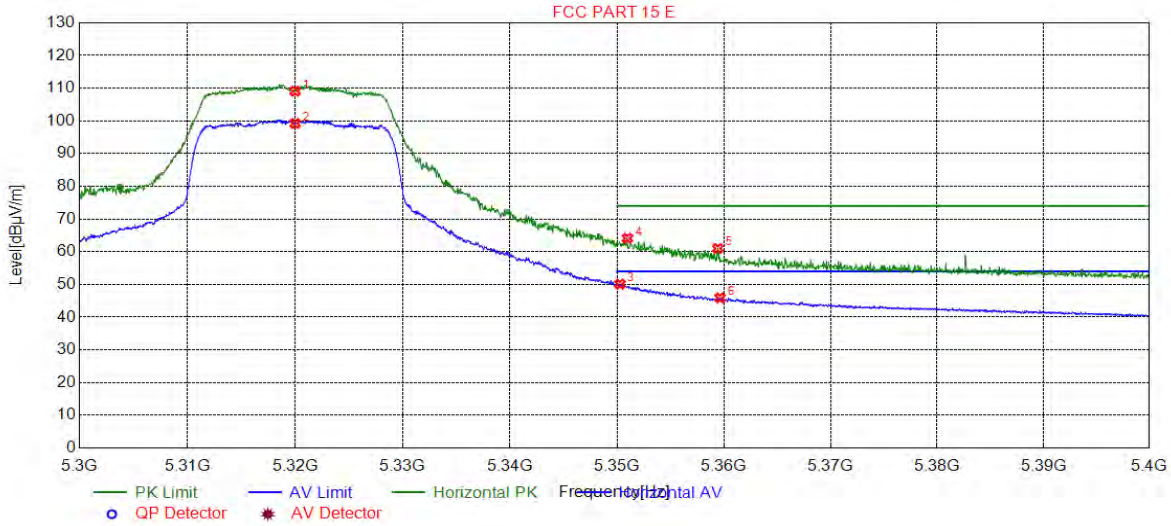
**4.10.1.52 802.11AC20_Channel 64**

**Test Graph**




**Suspected List**

| Suspected List | | | | | | | |
|---|---|---|---|---|---|---|---|
| NO. | Freq. [MHz] | Level [dBµV/m] | Limit [dBµV/m] | Margin [dB] | Height [cm] | Angle [°] | Polarity |
| 1 | 5320.000 | 109.10 | 0.00 | -109.10 | 100 | 227 | Horizontal |
| 2 | 5320.000 | 99.21 | 0.00 | -99.21 | 106 | 232 | Horizontal |
| 3 | 5350.275 | 50.13 | 54.00 | 3.87 | 242 | 227 | Horizontal |
| 4 | 5350.975 | 64.15 | 74.00 | 9.85 | 186 | 232 | Horizontal |
| 5 | 5359.429 | 61.01 | 74.00 | 12.99 | 135 | 236 | Horizontal |
| 6 | 5359.629 | 45.91 | 54.00 | 8.09 | 123 | 227 | Horizontal |

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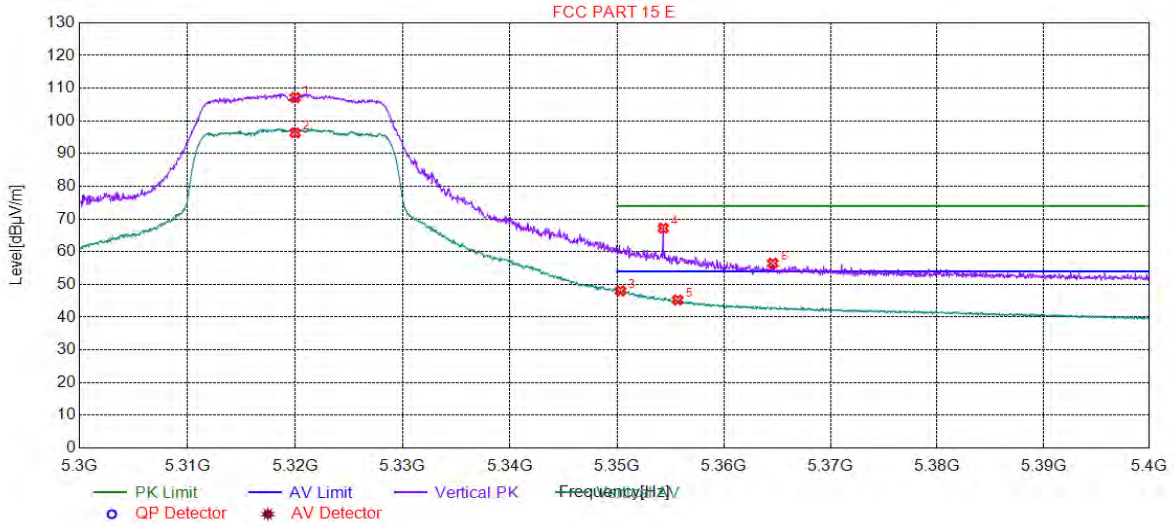
**4.10.1.53 802.11AC20_Channel 64**

**Test Graph**




**Suspected List**

| Suspected List | | | | | | | |
|---|---|---|---|---|---|---|---|
| NO. | Freq. [MHz] | Level [dBµV/m] | Limit [dBµV/m] | Margin [dB] | Height [cm] | Angle [°] | Polarity |
| 1 | 5320.000 | 107.15 | 0.00 | -107.15 | 187 | 207 | Vertical |
| 2 | 5320.000 | 96.37 | 0.00 | -96.37 | 290 | 212 | Vertical |
| 3 | 5350.325 | 48.02 | 54.00 | 5.98 | 172 | 212 | Vertical |
| 4 | 5354.327 | 67.21 | 74.00 | 6.79 | 230 | 342 | Vertical |
| 5 | 5355.677 | 45.27 | 54.00 | 8.73 | 232 | 207 | Vertical |
| 6 | 5364.582 | 56.49 | 74.00 | 17.51 | 150 | 212 | Vertical |

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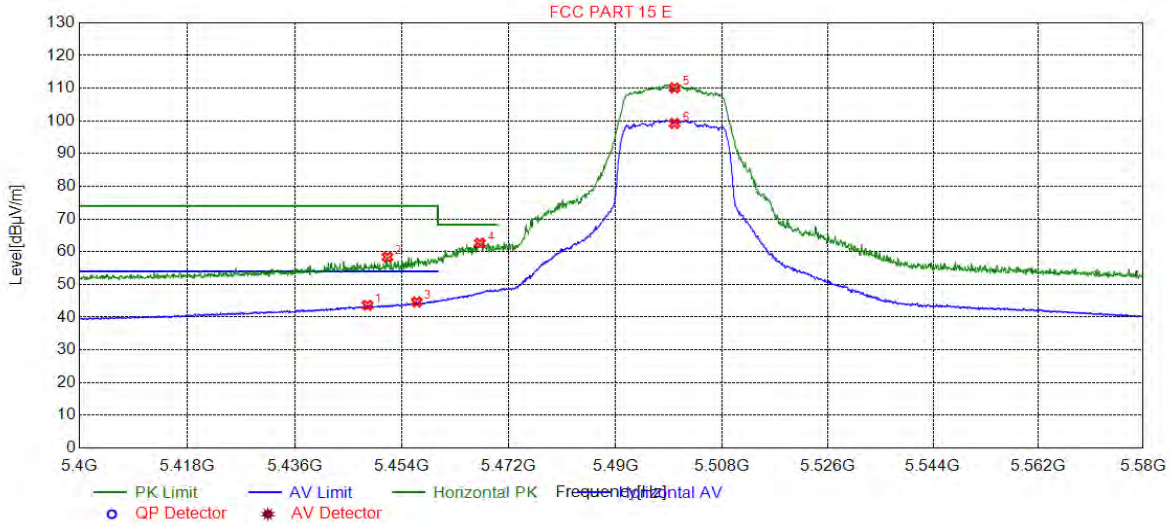
### 4.10.1.54 802.11AC20_Channel 100

**Test Graph**




**Suspected List**

| Suspected List | | | | | | | |
|---|---|---|---|---|---|---|---|
| NO. | Freq. [MHz] | Level [dBµV/m] | Limit [dBµV/m] | Margin [dB] | Height [cm] | Angle [°] | Polarity |
| 1 | 5448.174 | 43.64 | 54.00 | 10.36 | 215 | 227 | Horizontal |
| 2 | 5451.505 | 58.39 | 74.00 | 15.61 | 193 | 227 | Horizontal |
| 3 | 5456.458 | 44.66 | 54.00 | 9.34 | 233 | 231 | Horizontal |
| 4 | 5467.083 | 62.61 | 68.30 | 5.69 | 225 | 235 | Horizontal |
| 5 | 5500.000 | 110.11 | 0.00 | -110.11 | 212 | 231 | Horizontal |
| 6 | 5500.000 | 99.24 | 0.00 | -99.24 | 143 | 227 | Horizontal |

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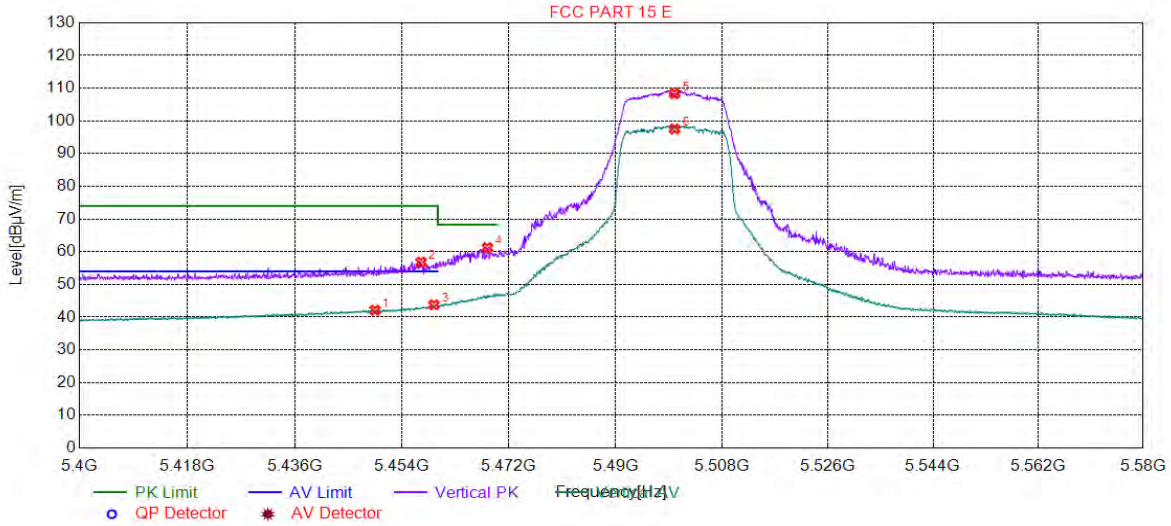
### 4.10.1.55 802.11AC20_Channel 100

**Test Graph**




**Suspected List**

| Suspected List | | | | | | | |
|---|---|---|---|---|---|---|---|
| NO. | Freq. [MHz] | Level [dBµV/m] | Limit [dBµV/m] | Margin [dB] | Height [cm] | Angle [°] | Polarity |
| 1 | 5449.434 | 42.14 | 54.00 | 11.86 | 190 | 209 | Vertical |
| 2 | 5457.178 | 56.86 | 74.00 | 17.14 | 287 | 213 | Vertical |
| 3 | 5459.339 | 43.78 | 54.00 | 10.22 | 293 | 205 | Vertical |
| 4 | 5468.344 | 61.24 | 68.30 | 7.06 | 163 | 205 | Vertical |
| 5 | 5500.000 | 108.37 | 0.00 | -108.37 | 232 | 205 | Vertical |
| 6 | 5500.000 | 97.54 | 0.00 | -97.54 | 234 | 209 | Vertical |

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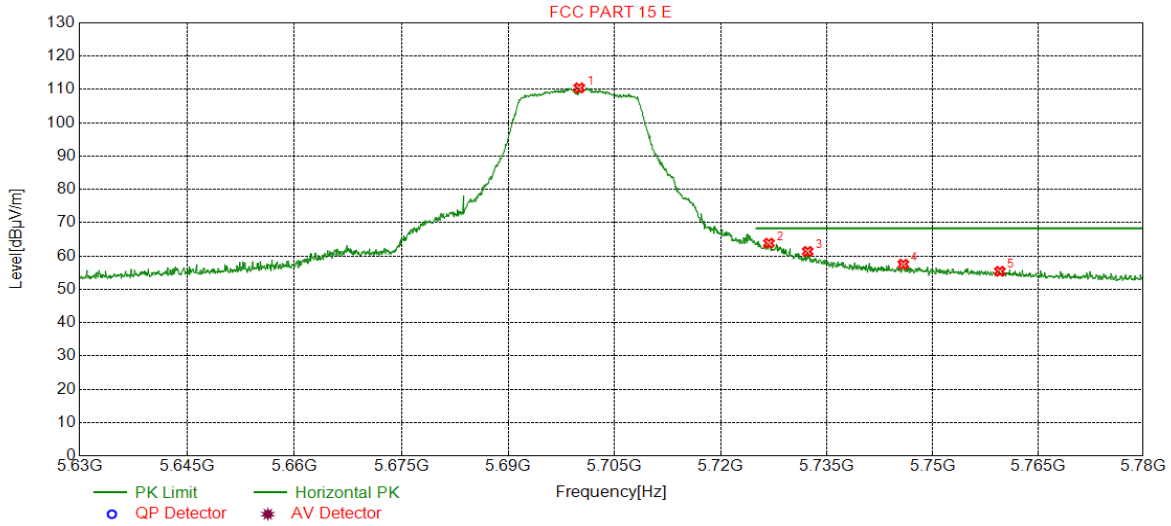
**4.10.1.56 802.11AC20_Channel 140**

**Test Graph**




**Suspected List**

| Suspected List | | | | | | | |
|---|---|---|---|---|---|---|---|
| NO. | Freq. [MHz] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Height [cm] | Angle [°] | Polarity |
| 1 | 5700.000 | 110.47 | 0.00 | -110.47 | 132 | 44 | Horizontal |
| 2 | 5726.798 | 63.85 | 68.30 | 4.45 | 185 | 346 | Horizontal |
| 3 | 5732.276 | 61.38 | 68.30 | 6.92 | 160 | 44 | Horizontal |
| 4 | 5745.857 | 57.52 | 68.30 | 10.78 | 106 | 44 | Horizontal |
| 5 | 5759.589 | 55.41 | 68.30 | 12.89 | 133 | 67 | Horizontal |

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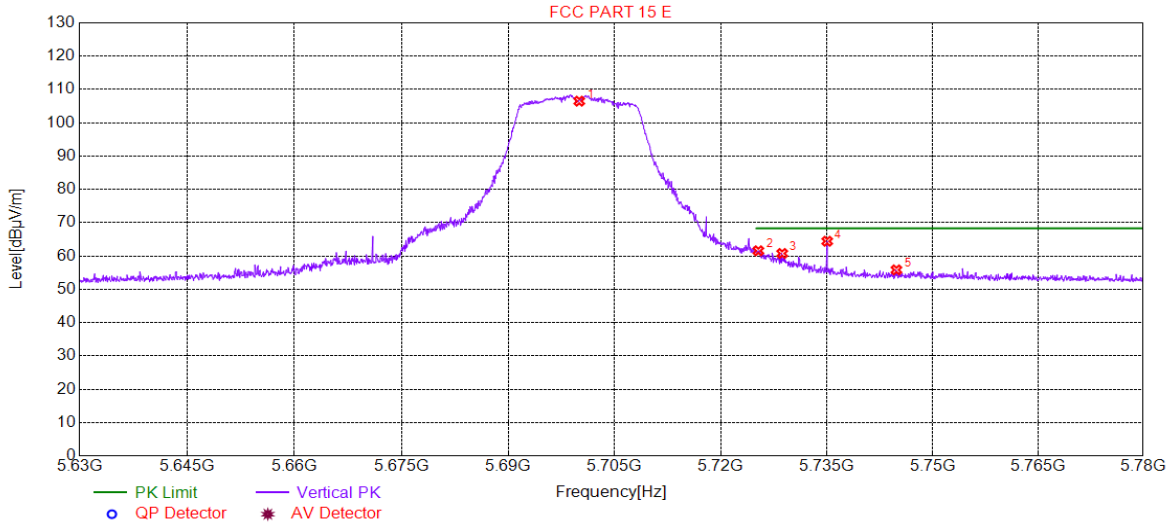
**4.10.1.57 802.11AC20_Channel 140**

**Test Graph**




**Suspected List**

| Suspected List | | | | | | | |
|---|---|---|---|---|---|---|---|
| NO. | Freq. [MHz] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Height [cm] | Angle [°] | Polarity |
| 1 | 5700.000 | 106.49 | 0.00 | -106.49 | 181 | 210 | Vertical |
| 2 | 5725.297 | 61.58 | 68.30 | 6.72 | 270 | 210 | Vertical |
| 3 | 5728.674 | 60.77 | 68.30 | 7.53 | 155 | 210 | Vertical |
| 4 | 5735.052 | 64.44 | 68.30 | 3.86 | 249 | 279 | Vertical |
| 5 | 5744.882 | 55.85 | 68.30 | 12.45 | 232 | 203 | Vertical |

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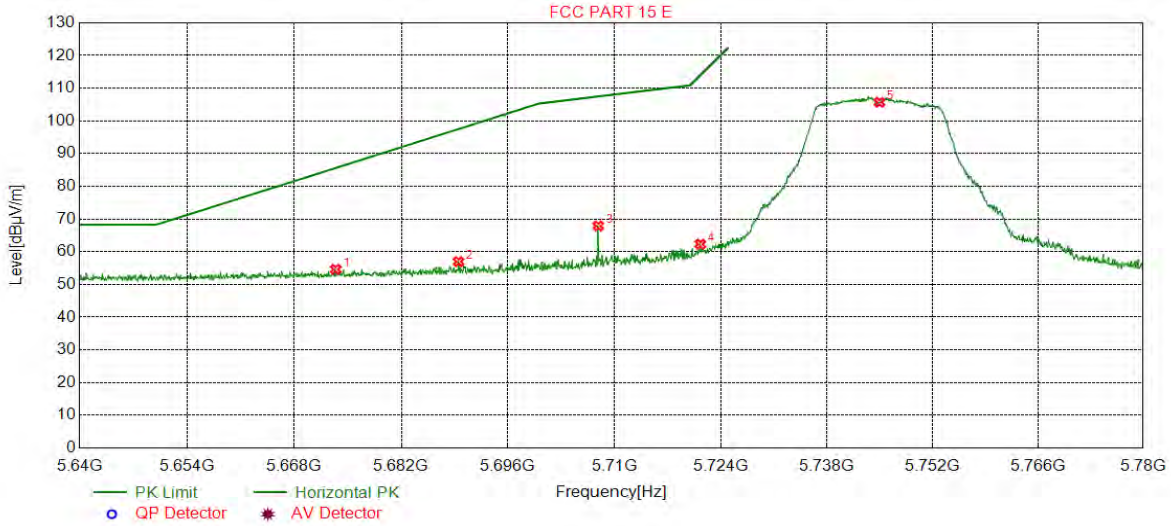
**4.10.1.58** **02.11AC20_Channel 149**

**Test Graph**




**Suspected List**

| Suspected List | | | | | | | |
|---|---|---|---|---|---|---|---|
| NO. | Freq. [MHz] | Level [dBµV/m] | Limit [dBµV/m] | Margin [dB] | Height [cm] | Angle [°] | Polarity |
| 1 | 5673.406 | 54.65 | 85.62 | 30.97 | 242 | 336 | Horizontal |
| 2 | 5689.514 | 57.01 | 97.54 | 40.53 | 166 | 19 | Horizontal |
| 3 | 5707.863 | 67.92 | 107.50 | 39.58 | 220 | 218 | Horizontal |
| 4 | 5721.310 | 62.33 | 113.89 | 51.56 | 185 | 354 | Horizontal |
| 5 | 5745.000 | 105.70 | 0.00 | -105.70 | 241 | 357 | Horizontal |

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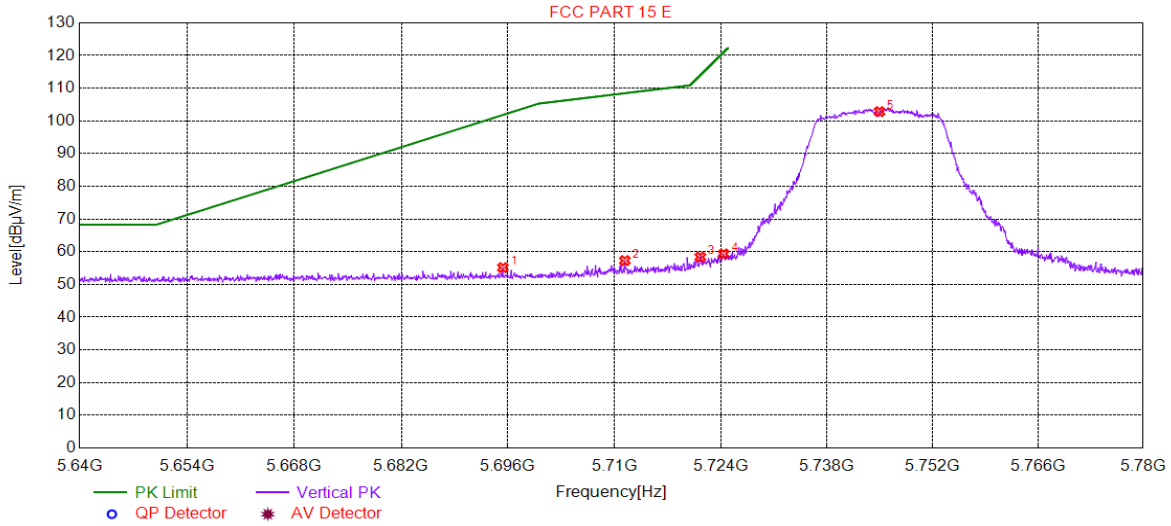
## 4.10.1.59 802.11AC20_Channel 149

**Test Graph**




**Suspected List**

| Suspected List | | | | | | | |
|---|---|---|---|---|---|---|---|
| NO. | Freq. [MHz] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Height [cm] | Angle [°] | Polarity |
| 1 | 5695.327 | 55.17 | 101.84 | 46.67 | 267 | 37 | Vertical |
| 2 | 5711.365 | 57.30 | 108.48 | 51.18 | 212 | 40 | Vertical |
| 3 | 5721.310 | 58.39 | 113.89 | 55.50 | 165 | 37 | Vertical |
| 4 | 5724.392 | 59.34 | 120.91 | 61.57 | 239 | 37 | Vertical |
| 5 | 5745.000 | 102.85 | 0.00 | -102.85 | 196 | 33 | Vertical |

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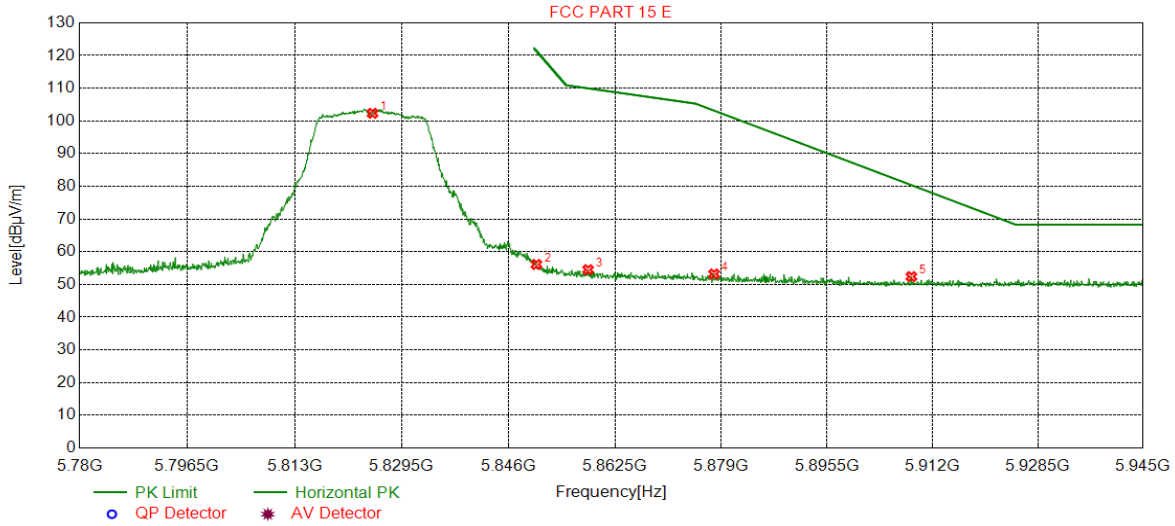
**4.10.1.60 802.11AC20_Channel 165**

**Test Graph**




**Suspected List**

| Suspected List | | | | | | | |
|---|---|---|---|---|---|---|---|
| NO. | Freq. [MHz] | Level [dBµV/m] | Limit [dBµV/m] | Margin [dB] | Height [cm] | Angle [°] | Polarity |
| 1 | 5825.000 | 102.35 | 0.00 | -102.35 | 171 | 202 | Horizontal |
| 2 | 5850.325 | 56.13 | 121.56 | 65.43 | 134 | 209 | Horizontal |
| 3 | 5858.331 | 54.54 | 109.97 | 55.43 | 164 | 205 | Horizontal |
| 4 | 5877.893 | 53.22 | 103.16 | 49.94 | 198 | 213 | Horizontal |
| 5 | 5908.681 | 52.42 | 80.38 | 27.96 | 112 | 205 | Horizontal |

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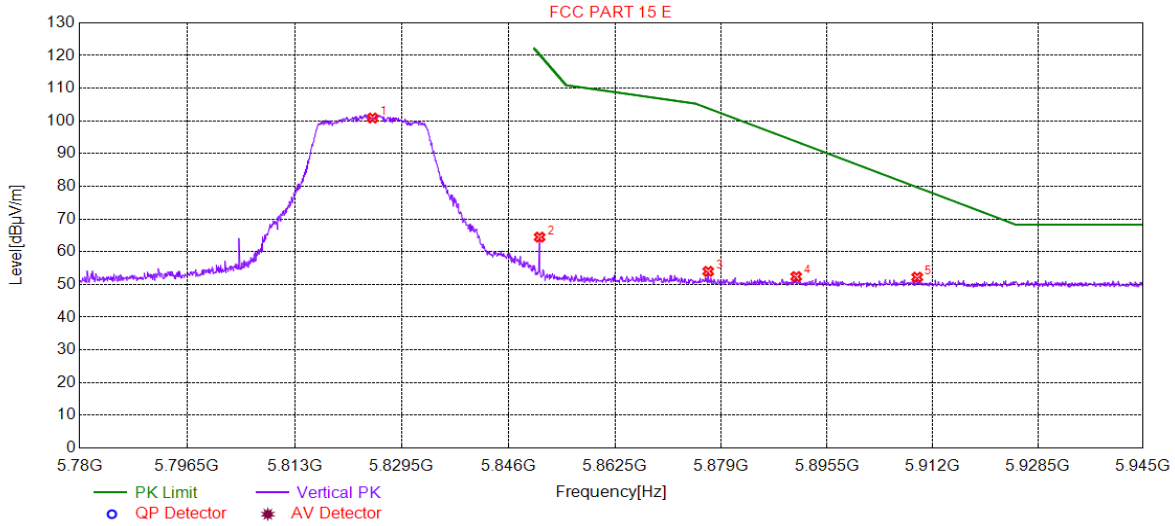
**4.10.1.61 802.11AC20_Channel 165**

**Test Graph**




**Suspected List**

| Suspected List | | | | | | | |
|---|---|---|---|---|---|---|---|
| NO. | Freq. [MHz] | Level [dBµV/m] | Limit [dBµV/m] | Margin [dB] | Height [cm] | Angle [°] | Polarity |
| 1 | 5825.000 | 100.91 | 0.00 | -100.91 | 188 | 30 | Vertical |
| 2 | 5850.820 | 64.49 | 120.43 | 55.94 | 241 | 176 | Vertical |
| 3 | 5876.986 | 54.01 | 103.83 | 49.82 | 264 | 40 | Vertical |
| 4 | 5890.687 | 52.41 | 93.69 | 41.28 | 179 | 197 | Vertical |
| 5 | 5909.589 | 52.24 | 79.70 | 27.46 | 246 | 23 | Vertical |

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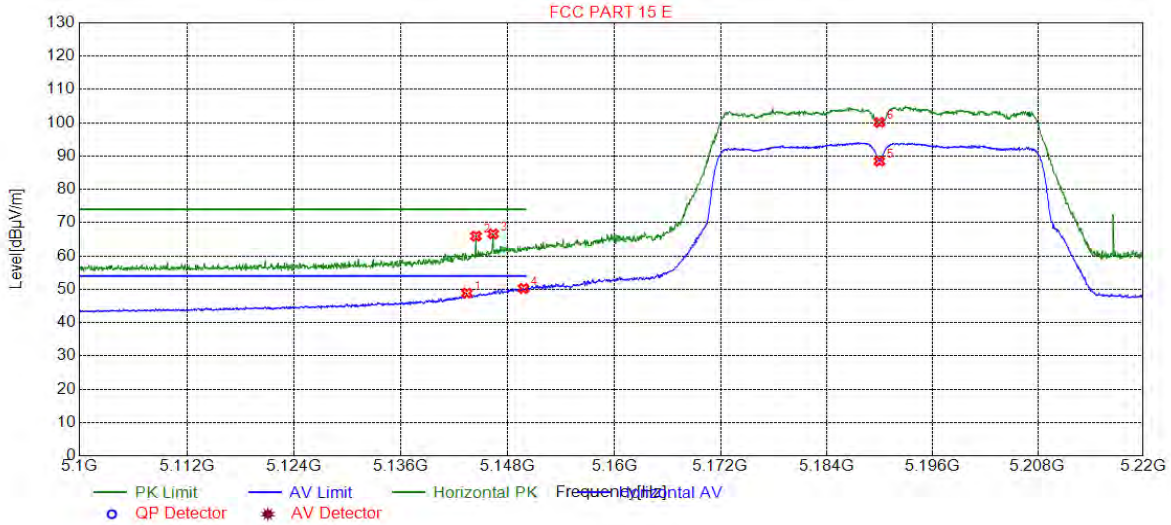
### 4.10.1.62 802.11AC40_Channel 38

**Test Graph**




**Suspected List**

| Suspected List | | | | | | | |
|---|---|---|---|---|---|---|---|
| NO. | Freq. [MHz] | Level [dBµV/m] | Limit [dBµV/m] | Margin [dB] | Height [cm] | Angle [°] | Polarity |
| 1 | 5143.401 | 48.87 | 54.00 | 5.13 | 100 | 235 | Horizontal |
| 2 | 5144.422 | 65.98 | 74.00 | 8.02 | 145 | 330 | Horizontal |
| 3 | 5146.343 | 66.66 | 74.00 | 7.34 | 241 | 341 | Horizontal |
| 4 | 5149.764 | 50.27 | 54.00 | 3.73 | 231 | 238 | Horizontal |
| 5 | 5190.000 | 88.48 | 0.00 | -88.48 | 186 | 231 | Horizontal |
| 6 | 5190.000 | 100.12 | 0.00 | -100.12 | 187 | 231 | Horizontal |

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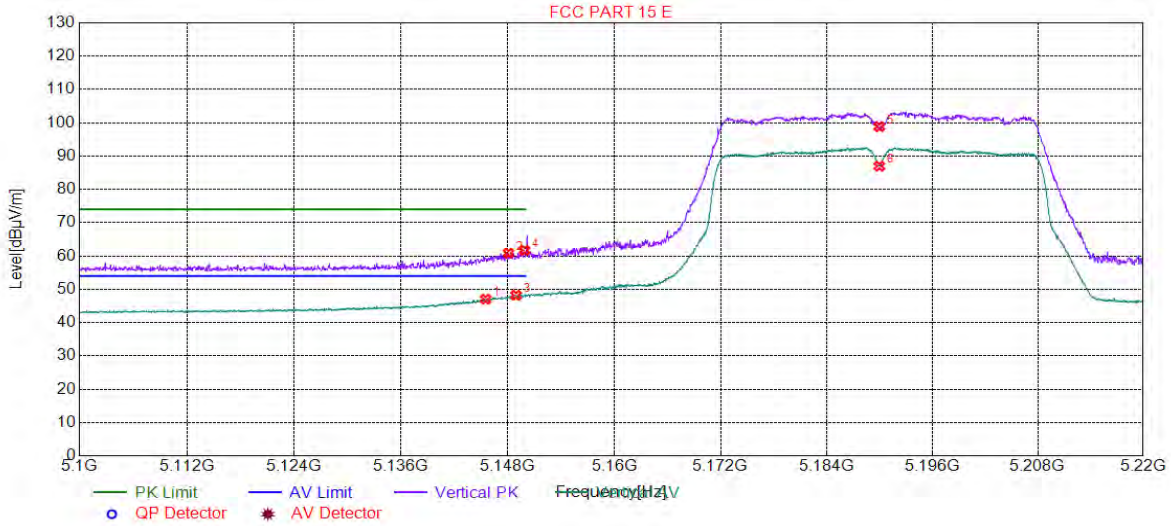
**4.10.1.63 802.11AC40_Channel 38**

**Test Graph**




**Suspected List**

| Suspected List | | | | | | | |
|---|---|---|---|---|---|---|---|
| NO. | Freq. [MHz] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Height [cm] | Angle [°] | Polarity |
| 1 | 5145.502 | 47.05 | 54.00 | 6.95 | 213 | 216 | Vertical |
| 2 | 5148.084 | 60.87 | 74.00 | 13.13 | 276 | 208 | Vertical |
| 3 | 5148.924 | 48.23 | 54.00 | 5.77 | 241 | 208 | Vertical |
| 4 | 5149.884 | 61.74 | 74.00 | 12.26 | 185 | 208 | Vertical |
| 5 | 5190.000 | 98.85 | 0.00 | -98.85 | 285 | 212 | Vertical |
| 6 | 5190.000 | 86.97 | 0.00 | -86.97 | 163 | 208 | Vertical |

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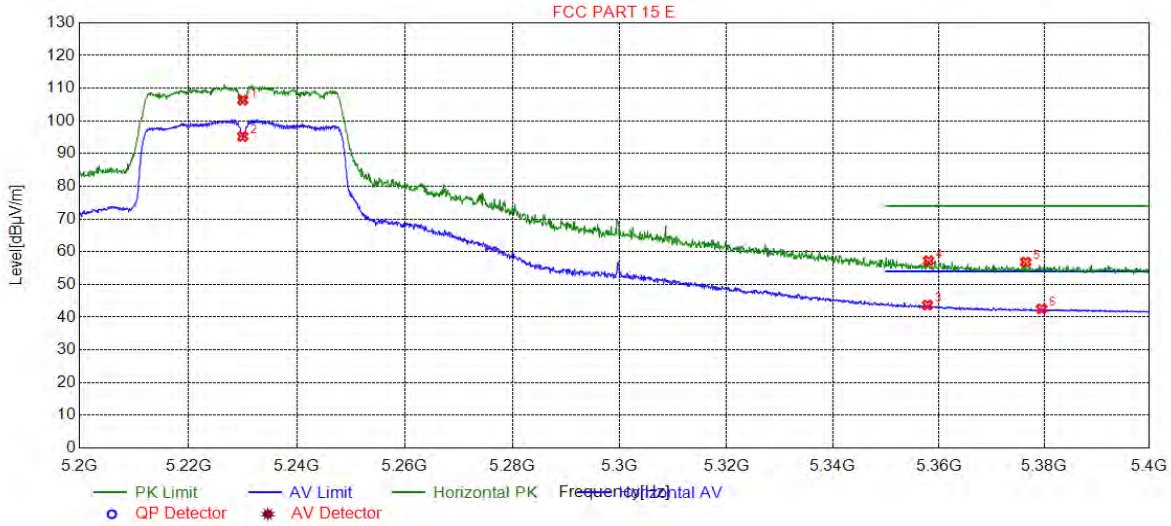
**4.10.1.64 802.11AC40_Channel 46**

**Test Graph**




**Suspected List**

| Suspected List | | | | | | | |
|---|---|---|---|---|---|---|---|
| NO. | Freq. [MHz] | Level [dBµV/m] | Limit [dBµV/m] | Margin [dB] | Height [cm] | Angle [°] | Polarity |
| 1 | 5230.000 | 106.40 | 0.00 | -106.40 | 158 | 218 | Horizontal |
| 2 | 5230.000 | 95.26 | 0.00 | -95.26 | 144 | 218 | Horizontal |
| 3 | 5357.878 | 43.71 | 54.00 | 10.29 | 152 | 223 | Horizontal |
| 4 | 5358.079 | 57.27 | 74.00 | 16.73 | 177 | 218 | Horizontal |
| 5 | 5376.488 | 56.86 | 74.00 | 17.14 | 238 | 336 | Horizontal |
| 6 | 5379.489 | 42.56 | 54.00 | 11.44 | 194 | 214 | Horizontal |

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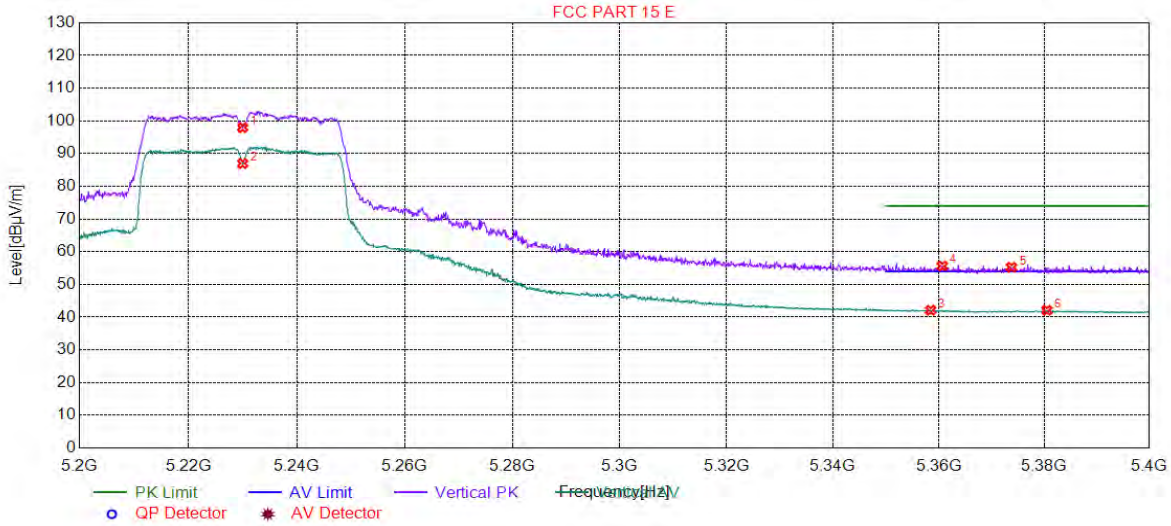
**4.10.1.65 802.11AC40_Channel 46**

**Test Graph**




**Suspected List**

| Suspected List | | | | | | | |
|---|---|---|---|---|---|---|---|
| NO. | Freq. [MHz] | Level [dBµV/m] | Limit [dBµV/m] | Margin [dB] | Height [cm] | Angle [°] | Polarity |
| 1 | 5230.000 | 97.97 | 0.00 | -97.97 | 248 | 302 | Vertical |
| 2 | 5230.000 | 86.99 | 0.00 | -86.99 | 274 | 302 | Vertical |
| 3 | 5358.479 | 42.14 | 54.00 | 11.86 | 200 | 90 | Vertical |
| 4 | 5360.680 | 55.66 | 74.00 | 18.34 | 283 | 344 | Vertical |
| 5 | 5373.786 | 55.26 | 74.00 | 18.74 | 285 | 326 | Vertical |
| 6 | 5380.490 | 42.12 | 54.00 | 11.88 | 269 | 99 | Vertical |

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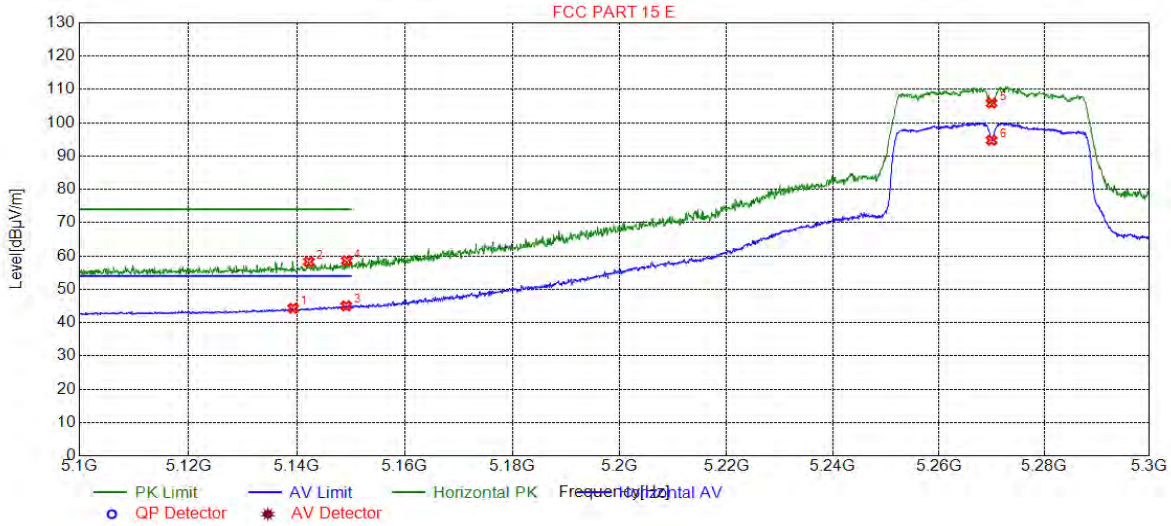
**4.10.1.66 802.11AC40_Channel 54**

**Test Graph**




**Suspected List**

| Suspected List | | | | | | | |
|---|---|---|---|---|---|---|---|
| NO. | Freq. [MHz] | Level [dBµV/m] | Limit [dBµV/m] | Margin [dB] | Height [cm] | Angle [°] | Polarity |
| 1 | 5139.319 | 44.35 | 54.00 | 9.65 | 220 | 215 | Horizontal |
| 2 | 5142.221 | 58.28 | 74.00 | 15.72 | 175 | 220 | Horizontal |
| 3 | 5149.124 | 45.02 | 54.00 | 8.98 | 173 | 220 | Horizontal |
| 4 | 5149.224 | 58.60 | 74.00 | 15.40 | 155 | 215 | Horizontal |
| 5 | 5270.000 | 105.89 | 0.00 | -105.89 | 125 | 220 | Horizontal |
| 6 | 5270.000 | 94.75 | 0.00 | -94.75 | 158 | 210 | Horizontal |

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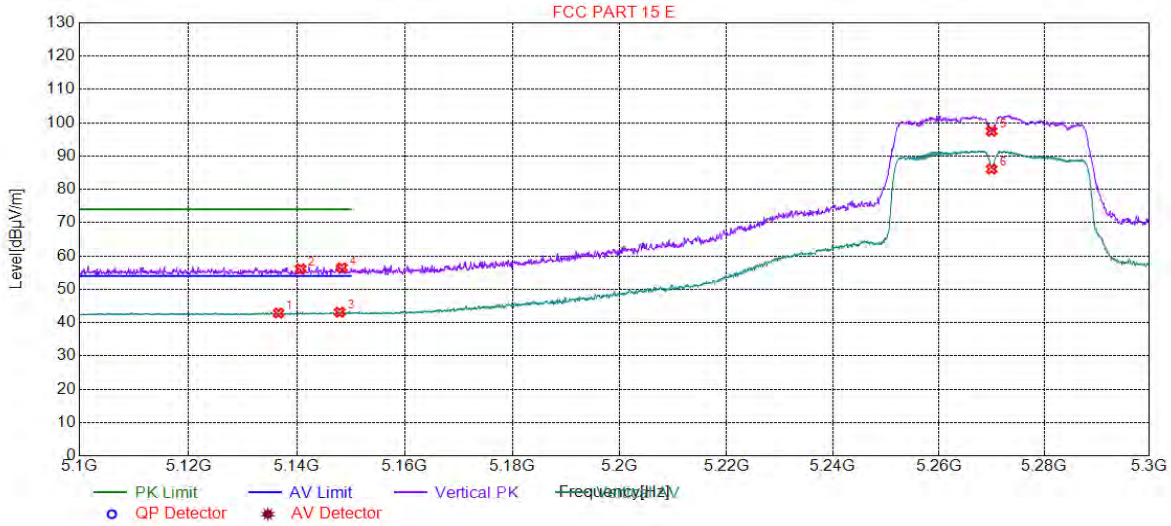
**4.10.1.67 802.11AC40_Channel 54**

**Test Graph**




**Suspected List**

| Suspected List | | | | | | | |
|---|---|---|---|---|---|---|---|
| NO. | Freq. [MHz] | Level [dBµV/m] | Limit [dBµV/m] | Margin [dB] | Height [cm] | Angle [°] | Polarity |
| 1 | 5136.618 | 42.88 | 54.00 | 11.12 | 206 | 4 | Vertical |
| 2 | 5140.720 | 56.15 | 74.00 | 17.85 | 152 | 321 | Vertical |
| 3 | 5147.924 | 43.15 | 54.00 | 10.85 | 278 | 74 | Vertical |
| 4 | 5148.324 | 56.48 | 74.00 | 17.52 | 211 | 70 | Vertical |
| 5 | 5270.000 | 97.47 | 0.00 | -97.47 | 283 | 312 | Vertical |
| 6 | 5270.000 | 86.11 | 0.00 | -86.11 | 227 | 344 | Vertical |

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