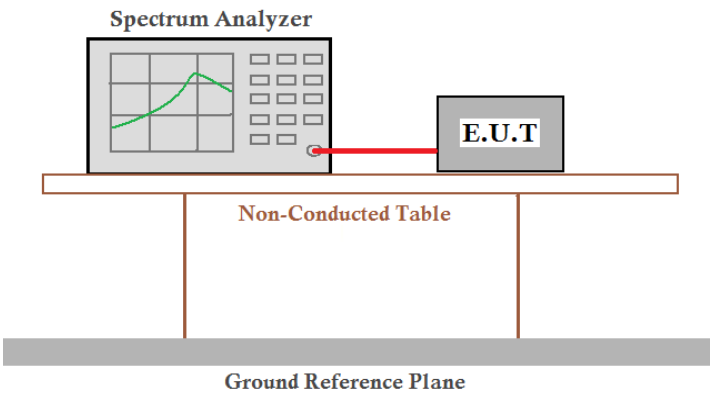
## 4.8 Power Spectral Density

| | | |
|---|---|---|
| Test Requirement: | 47 CFR Part 15 Section 15.407(a) | |
| Test Method: | ANSI C63.10: 2013 | |
| Test Setup: |  | |
| Test Instruments: | Refer to section 5.10 for details | |
| 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. | |
| Limit: | Frequency Band | Limit |
| | 5150-5250MHz | The power spectral density less than 11dBm/1MHz |
| | 5250-5350MHz | The power spectral density less than 11dBm/1MHz |
| | 5470-5725MHz | The power spectral density less than 11dBm/1MHz |
| | 5725-5850MHz | The power spectral density less than <30dBm/500KHz |
| Test Results: | Pass | |

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### 4.8.1 Test Results For Power Density

| Test Mode | Test Channel | Frequency [MHz] | Antenna Port | Meas. Level (Cond.) [dBm/500KHz] | Verdict |
|---|---|---|---|---|---|
| 11A20 | 36 | 5180 | ANT 1 | 6.61 | PASS |
| | 44 | 5220 | ANT 1 | 7.08 | PASS |
| | 48 | 5240 | ANT 1 | 7.29 | PASS |
| | 52 | 5260 | ANT 1 | 7.22 | PASS |
| | 60 | 5300 | ANT 1 | 7.08 | PASS |
| | 64 | 5320 | ANT 1 | 6.68 | PASS |
| | 100 | 5500 | ANT 1 | 6.9 | PASS |
| | 116 | 5580 | ANT 1 | 6.93 | PASS |
| | 140 | 5700 | ANT 1 | 7.01 | PASS |
| | 149 | 5745 | ANT 1 | 4.45 | PASS |
| | 157 | 5785 | ANT 1 | 4.54 | PASS |
| | 165 | 5825 | ANT 1 | 4.49 | PASS |
| 11N20 | 36 | 5180 | ANT 1 | 6.13 | PASS |
| | 44 | 5220 | ANT 1 | 6.62 | PASS |
| | 48 | 5240 | ANT 1 | 6.78 | PASS |
| | 52 | 5260 | ANT 1 | 6.77 | PASS |
| | 60 | 5300 | ANT 1 | 6.65 | PASS |
| | 64 | 5320 | ANT 1 | 6.19 | PASS |
| | 100 | 5500 | ANT 1 | 6.44 | PASS |
| | 116 | 5580 | ANT 1 | 6.57 | PASS |
| | 140 | 5700 | ANT 1 | 6.62 | PASS |
| | 149 | 5745 | ANT 1 | 4.05 | PASS |
| | 157 | 5785 | ANT 1 | 4.15 | PASS |
| | 165 | 5825 | ANT 1 | 4.12 | PASS |
| 11N40 | 38 | 5190 | ANT 1 | 1.15 | PASS |
| | 46 | 5230 | ANT 1 | 1.56 | PASS |
| | 54 | 5270 | ANT 1 | 1.59 | PASS |
| | 62 | 5310 | ANT 1 | 1.54 | PASS |
| | 102 | 5510 | ANT 1 | 1.12 | PASS |
| | 110 | 5550 | ANT 1 | 1.19 | PASS |

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| | | | | | |
|---|---|---|---|---|---|
| | 134 | 5670 | ANT 1 | 1.55 | PASS |
| | 151 | 5755 | ANT 1 | -1.32 | PASS |
| | 159 | 5795 | ANT 1 | -1.21 | PASS |
| 11AC20 | 36 | 5180 | ANT 1 | 3.97 | PASS |
| | 44 | 5220 | ANT 1 | 4.5 | PASS |
| | 48 | 5240 | ANT 1 | 4.66 | PASS |
| | 52 | 5260 | ANT 1 | 4.64 | PASS |
| | 60 | 5300 | ANT 1 | 4.45 | PASS |
| | 64 | 5320 | ANT 1 | 4.05 | PASS |
| | 100 | 5500 | ANT 1 | 4.61 | PASS |
| | 116 | 5580 | ANT 1 | 4.21 | PASS |
| | 140 | 5700 | ANT 1 | 4.32 | PASS |
| | 149 | 5745 | ANT 1 | 1.75 | PASS |
| | 157 | 5785 | ANT 1 | 2.31 | PASS |
| | 165 | 5825 | ANT 1 | 1.95 | PASS |
| 11AC40 | 38 | 5190 | ANT 1 | 1.81 | PASS |
| | 46 | 5230 | ANT 1 | 2.27 | PASS |
| | 54 | 5270 | ANT 1 | 2.27 | PASS |
| | 62 | 5310 | ANT 1 | 2.22 | PASS |
| | 102 | 5510 | ANT 1 | 2.34 | PASS |
| | 110 | 5550 | ANT 1 | 1.88 | PASS |
| | 134 | 5670 | ANT 1 | 2.34 | PASS |
| | 151 | 5755 | ANT 1 | -0.58 | PASS |
| | 159 | 5795 | ANT 1 | 0.04 | PASS |
| 11AC80 | 42 | 5210 | ANT 1 | -1.27 | PASS |
| | 58 | 5290 | ANT 1 | -1 | PASS |
| | 106 | 5530 | ANT 1 | -2.34 | PASS |
| | 122 | 5610 | ANT 1 | -0.82 | PASS |
| | 138 | 5690 | ANT 1 | -1.29 | PASS |
| | 155 | 5775 | ANT 1 | -3.38 | PASS |

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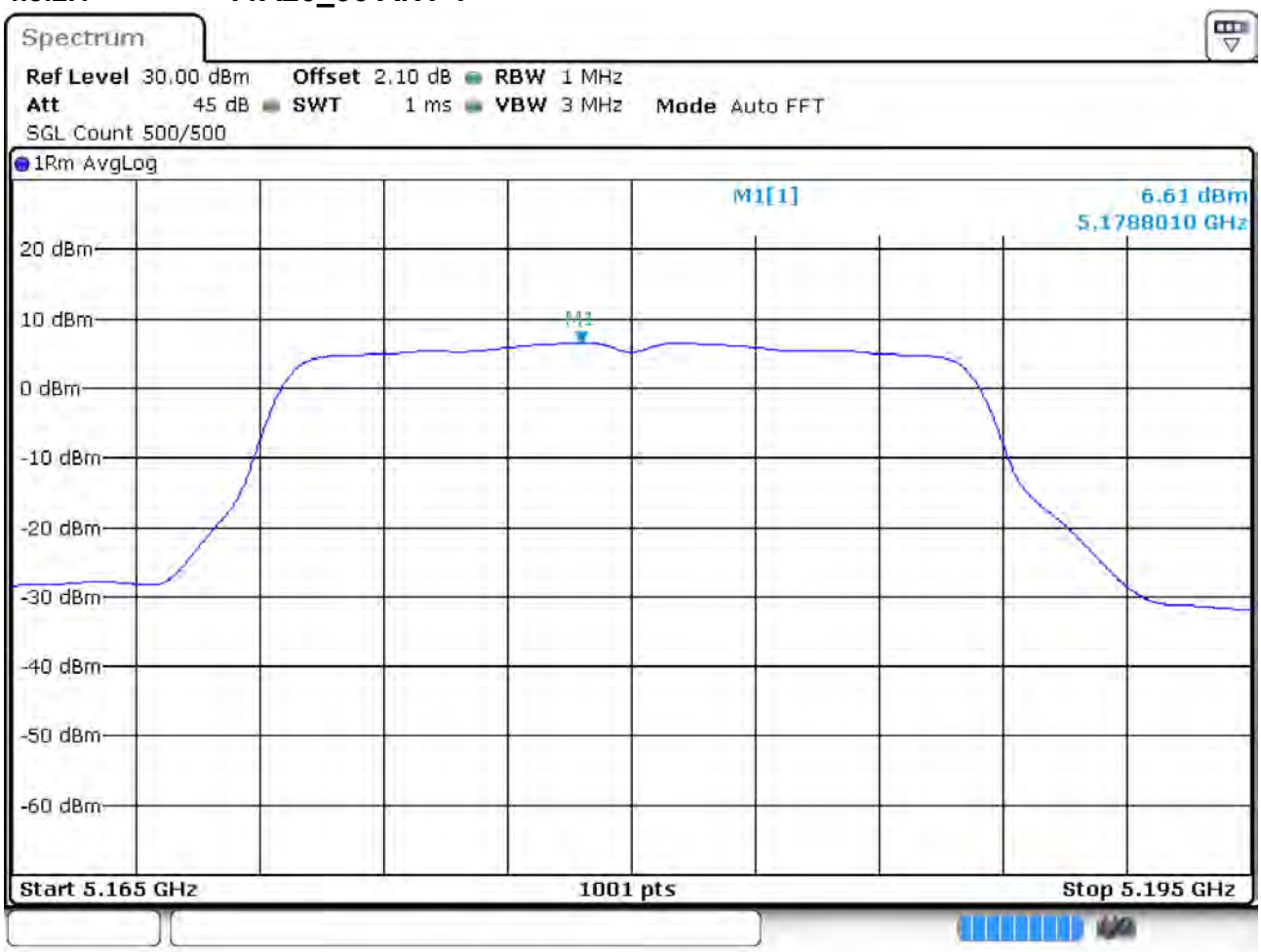
## 4.8.2 Test plots For Power Density

### 4.8.2.1 11A20_36 ANT 1

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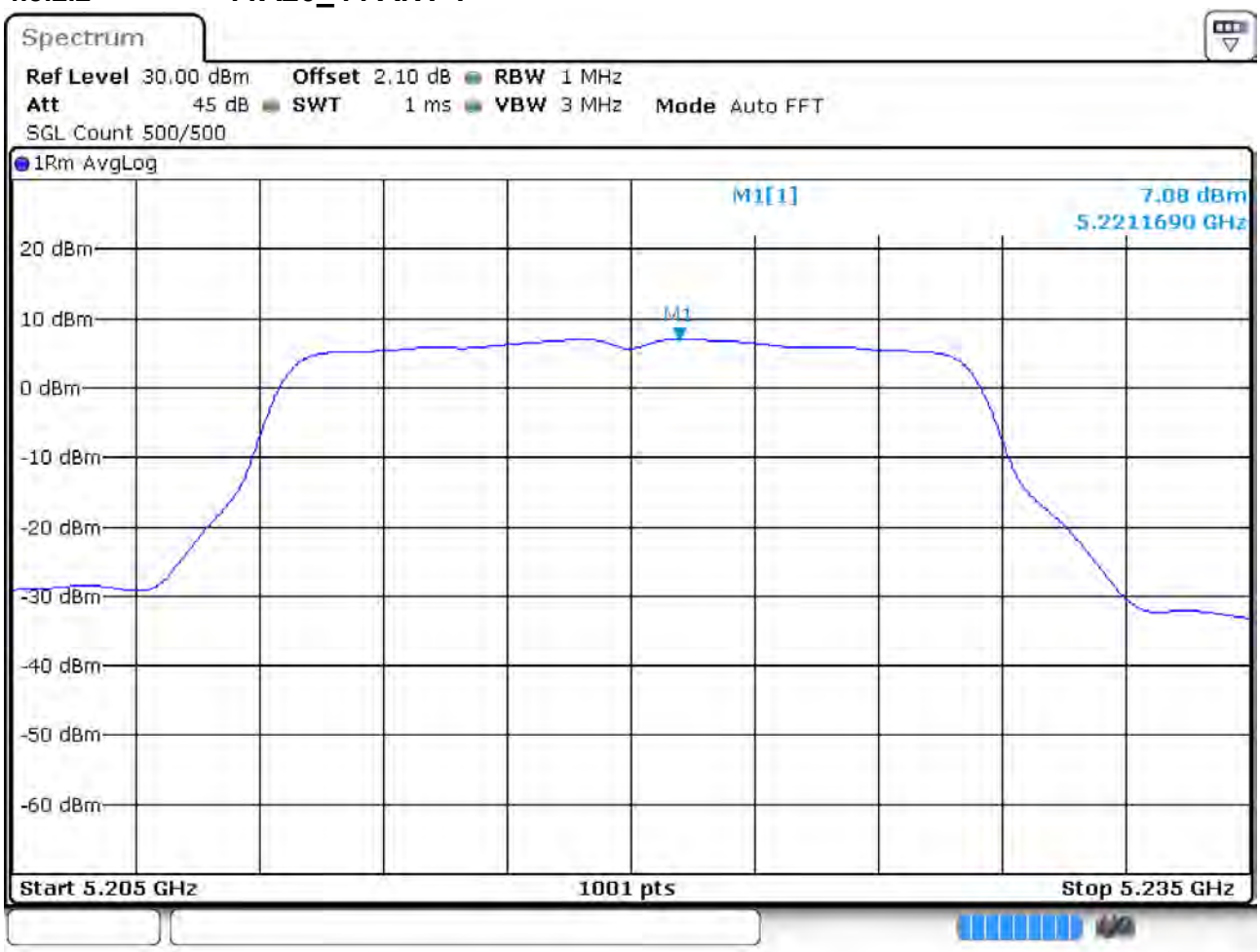
### 4.8.2.2 11A20_44 ANT 1

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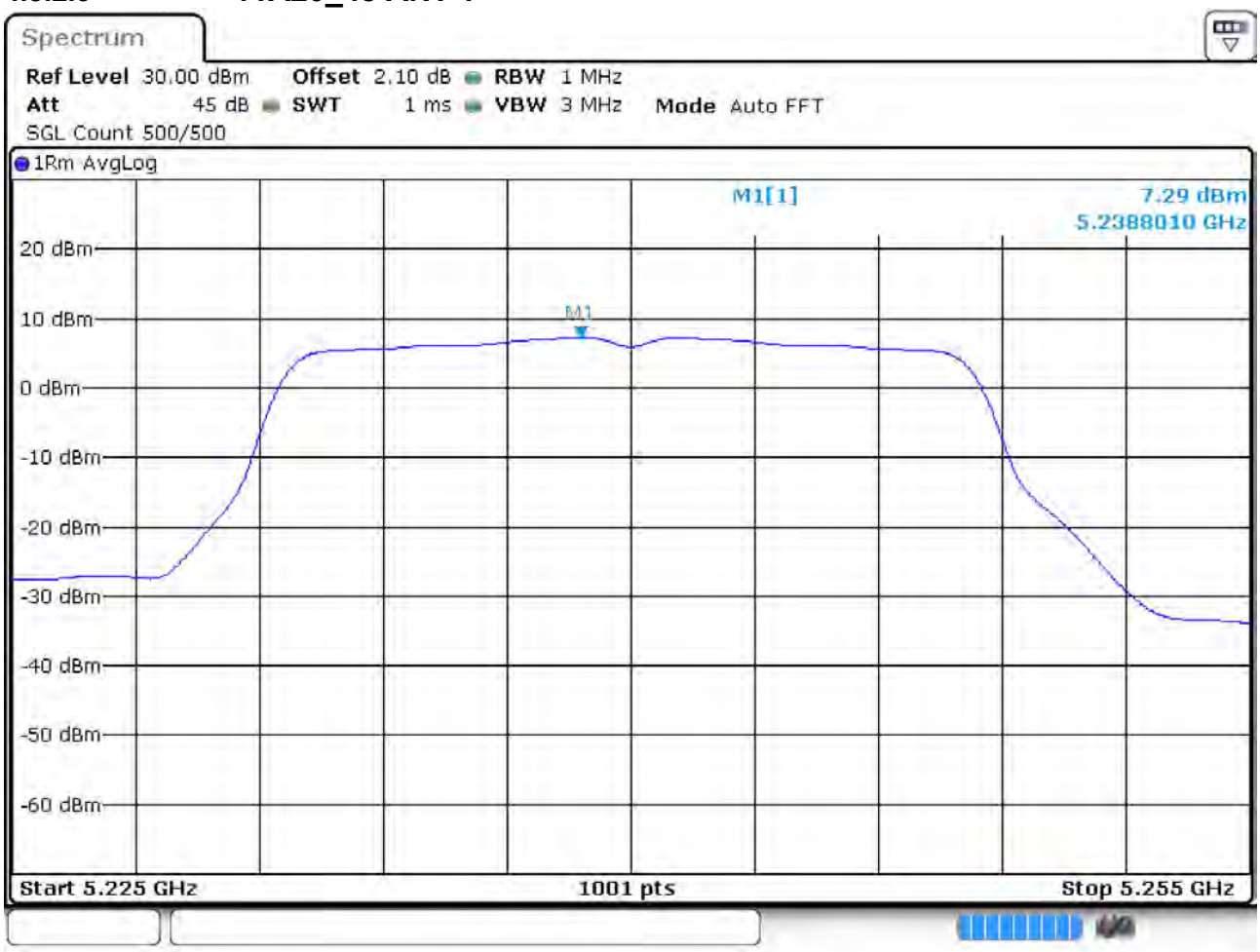
### 4.8.2.3 11A20_48 ANT 1

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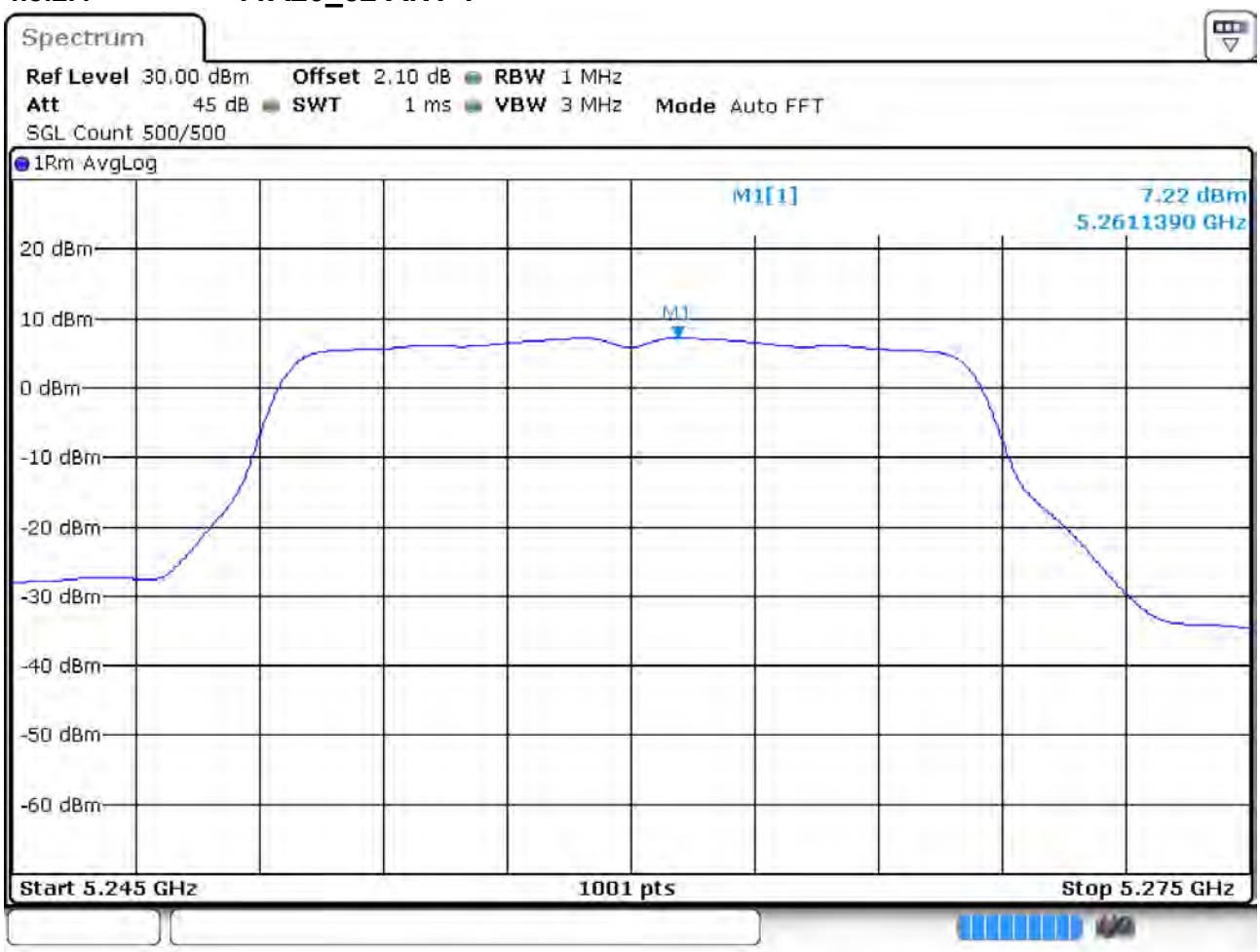
### 4.8.2.4 11A20_52 ANT 1

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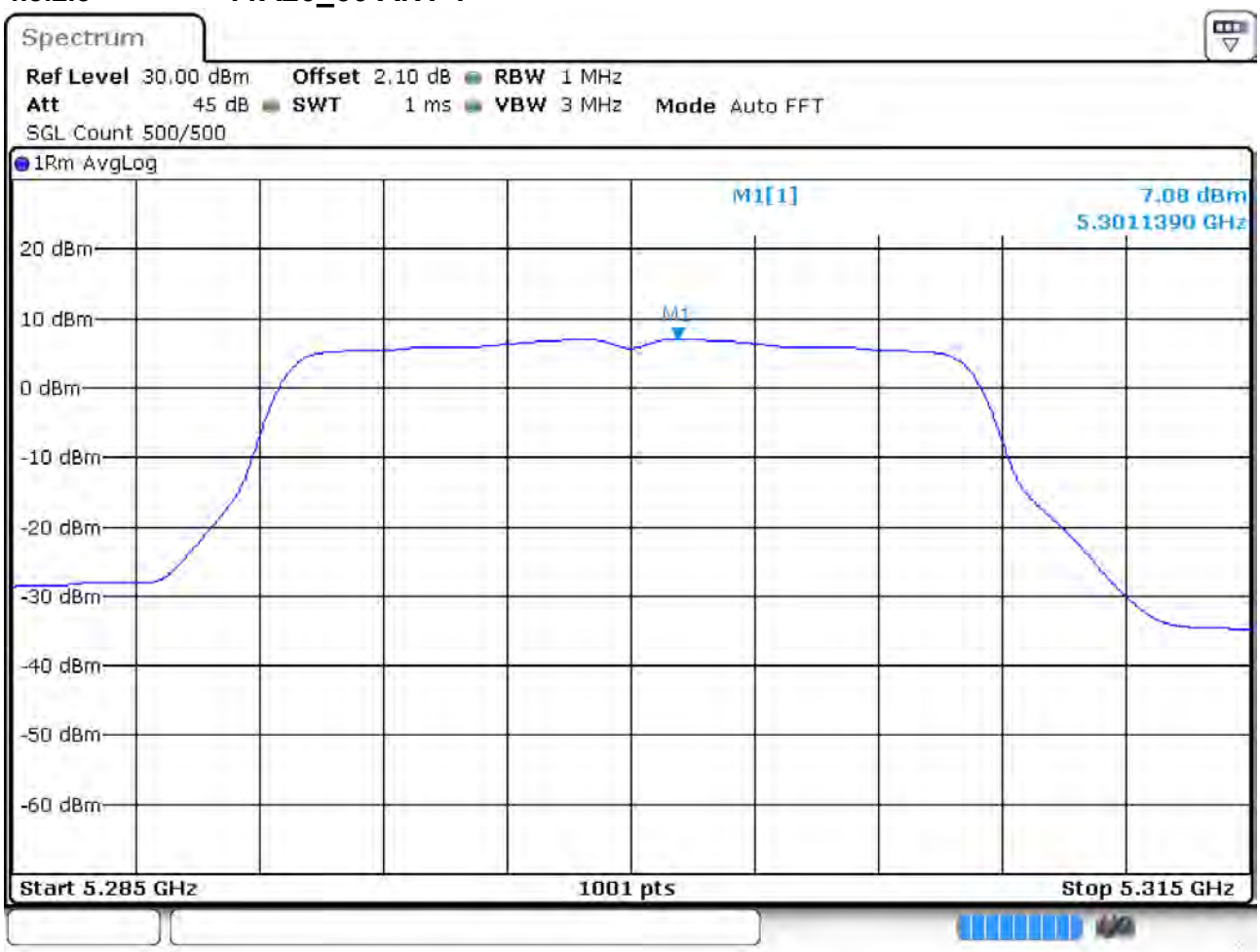
### 4.8.2.5 11A20_60 ANT 1

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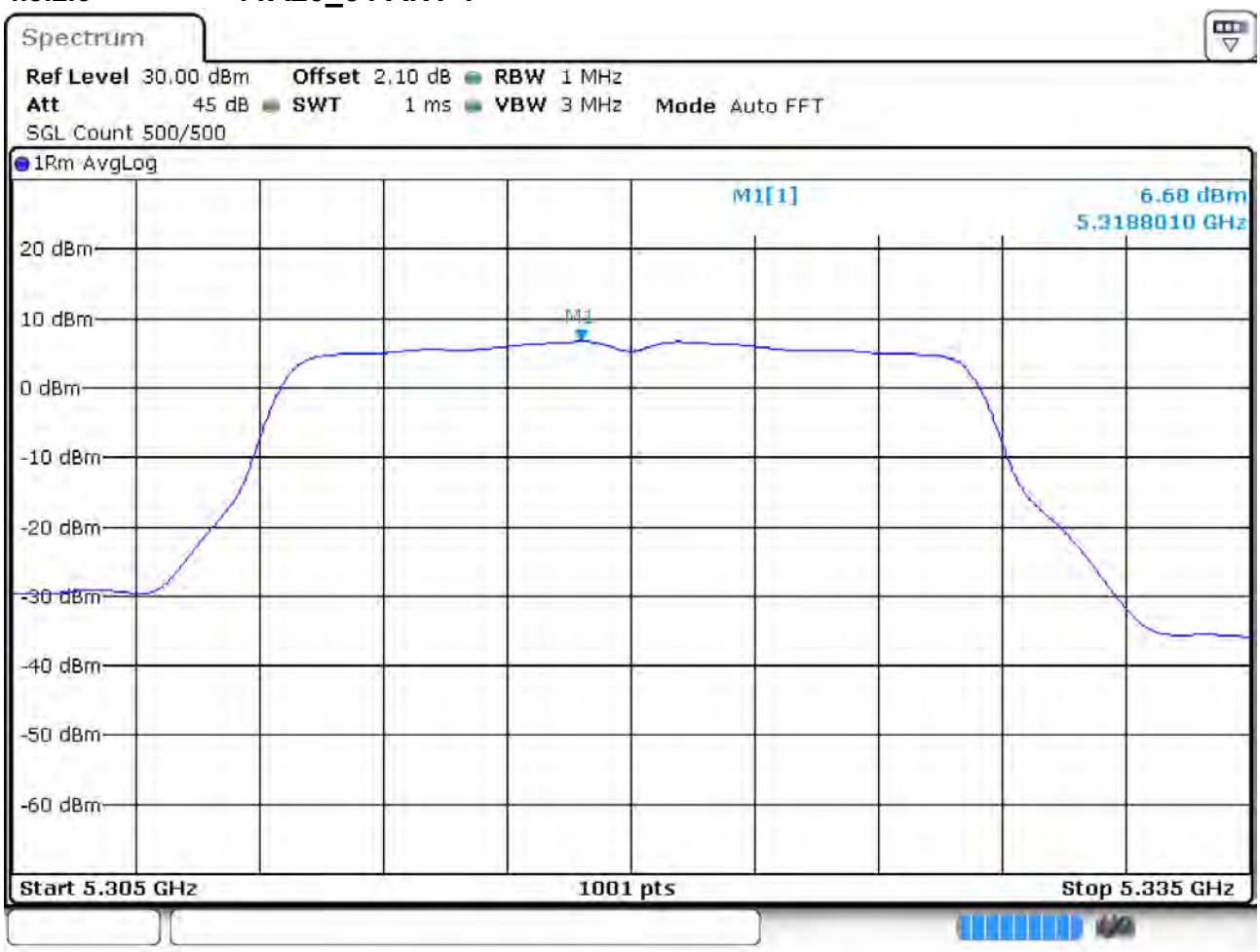
### 4.8.2.6 11A20_64 ANT 1

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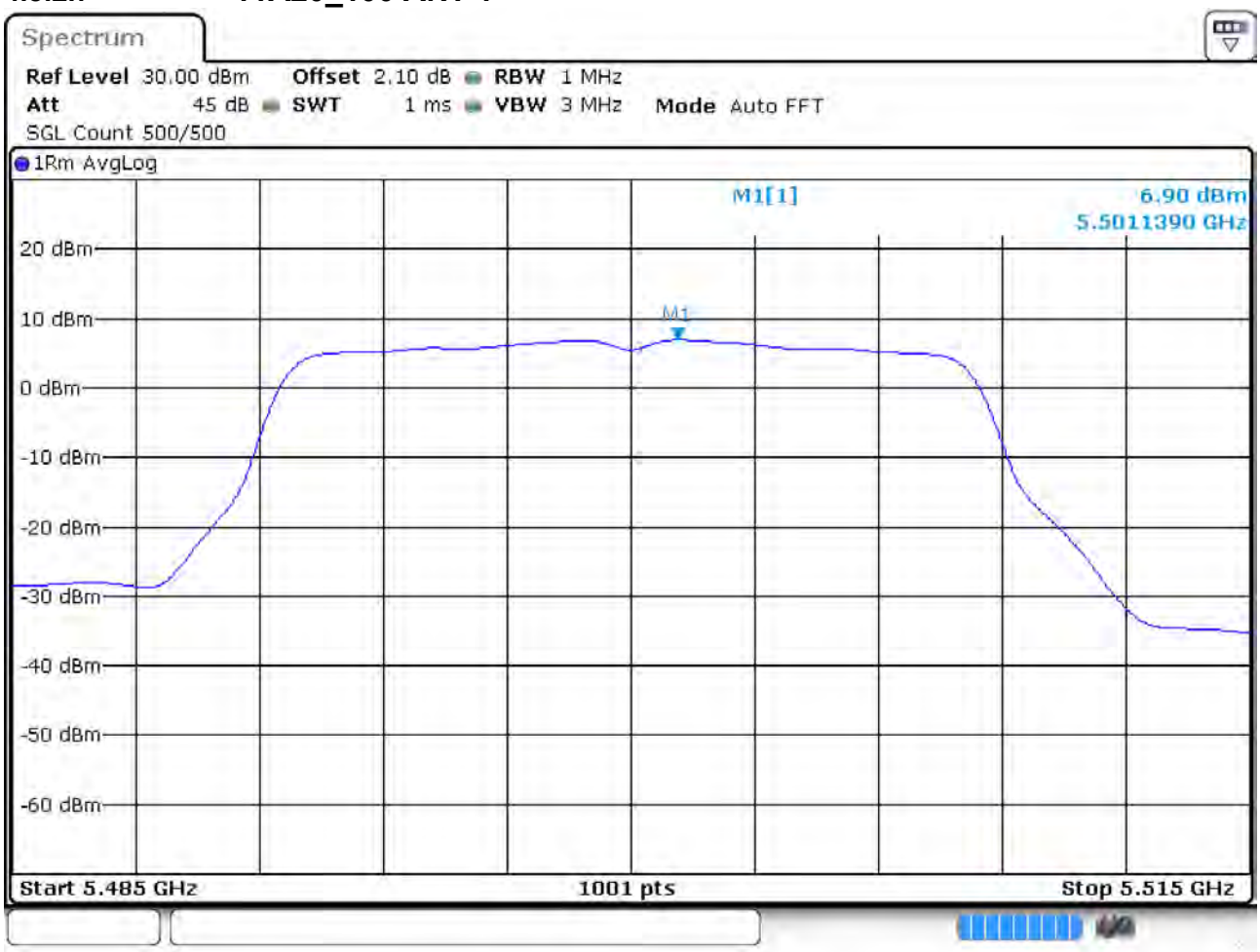


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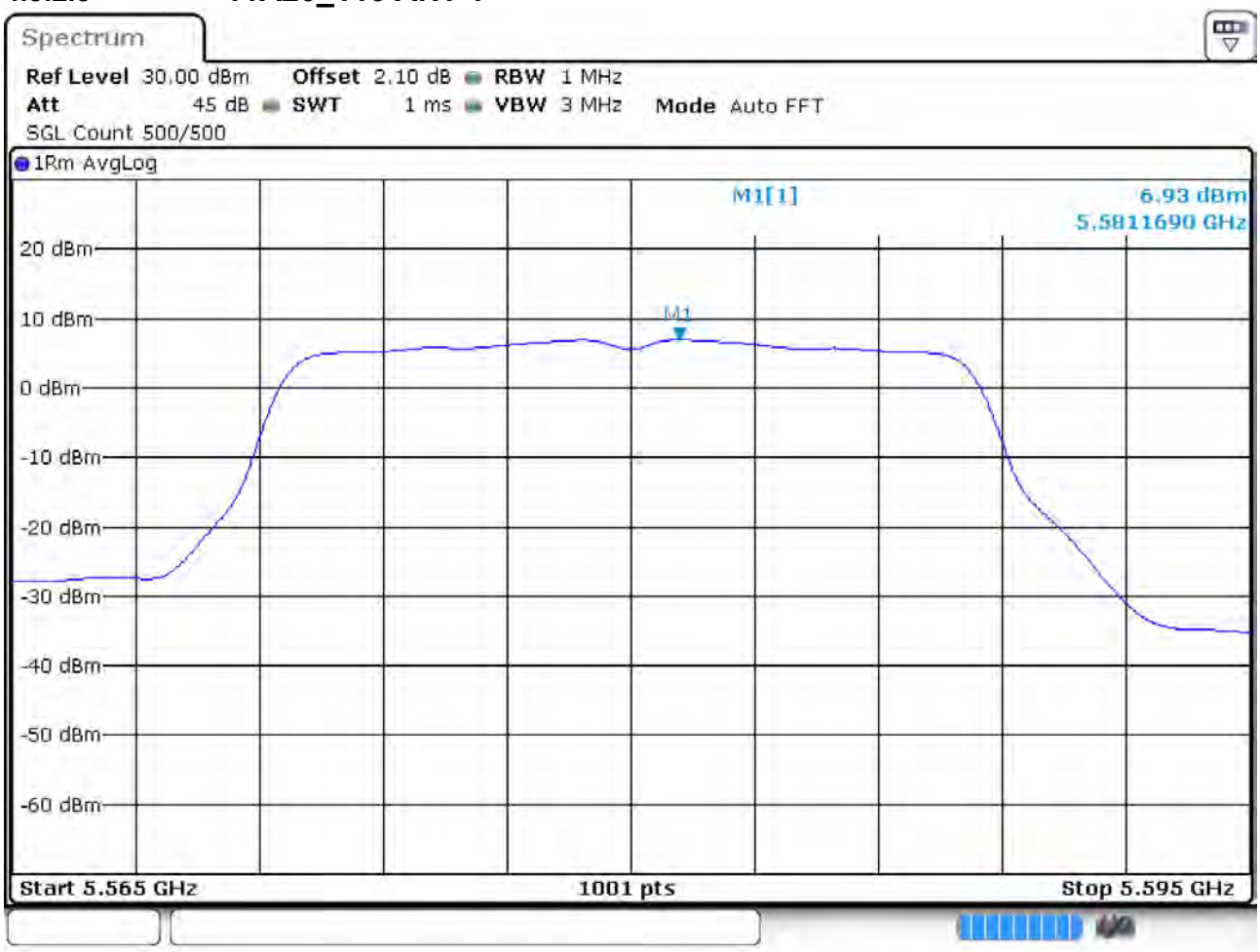


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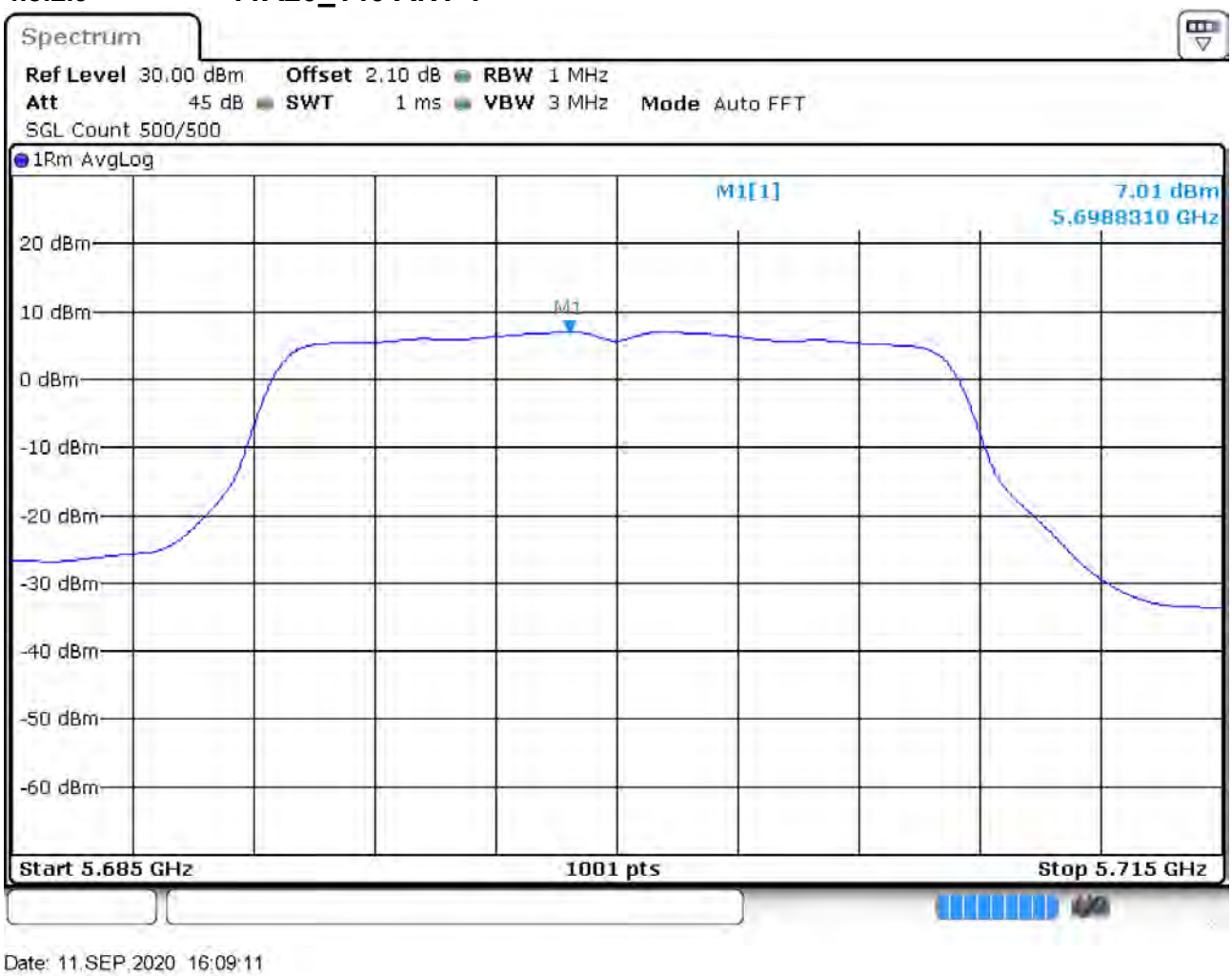
### 4.8.2.9 11A20_140 ANT 1

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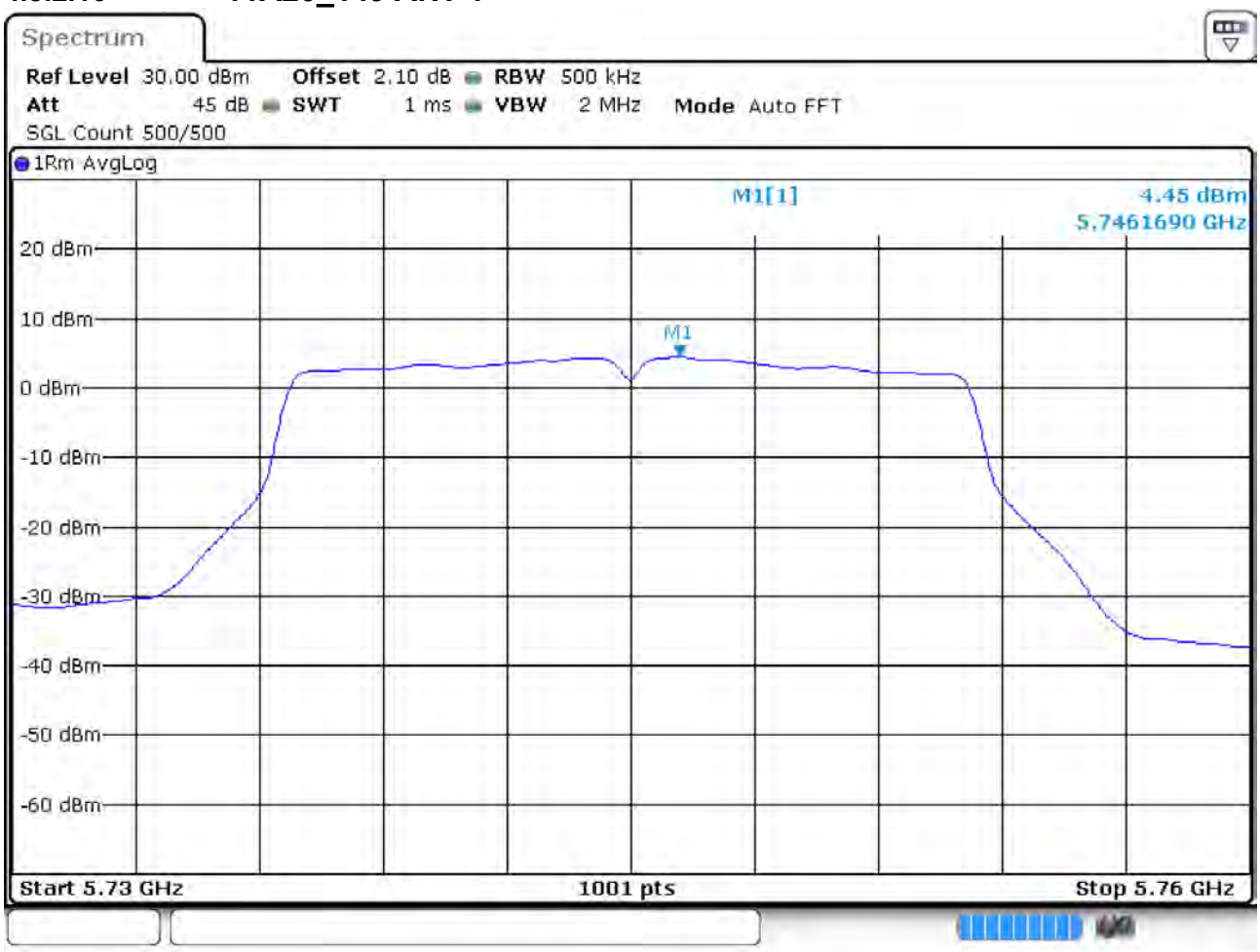


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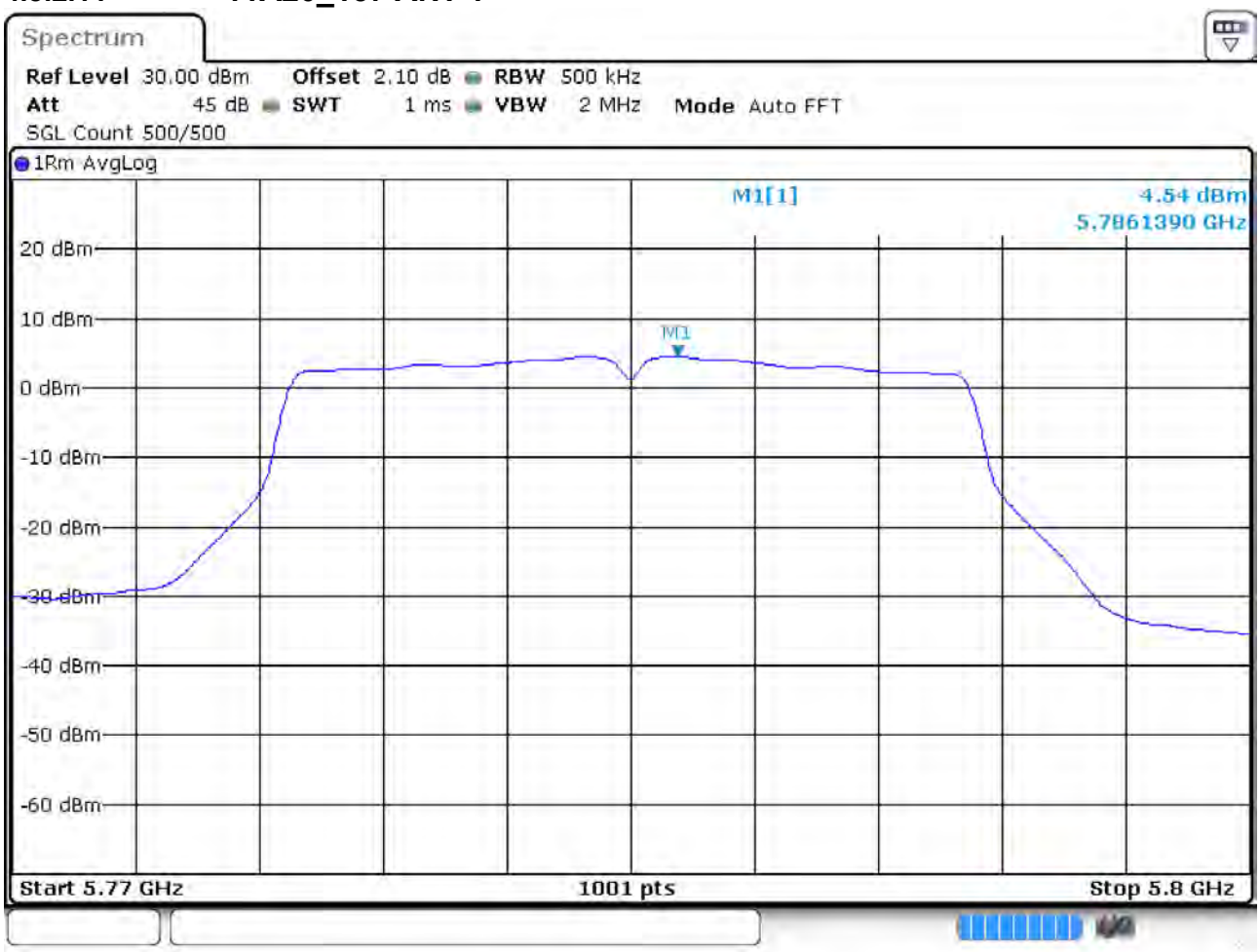


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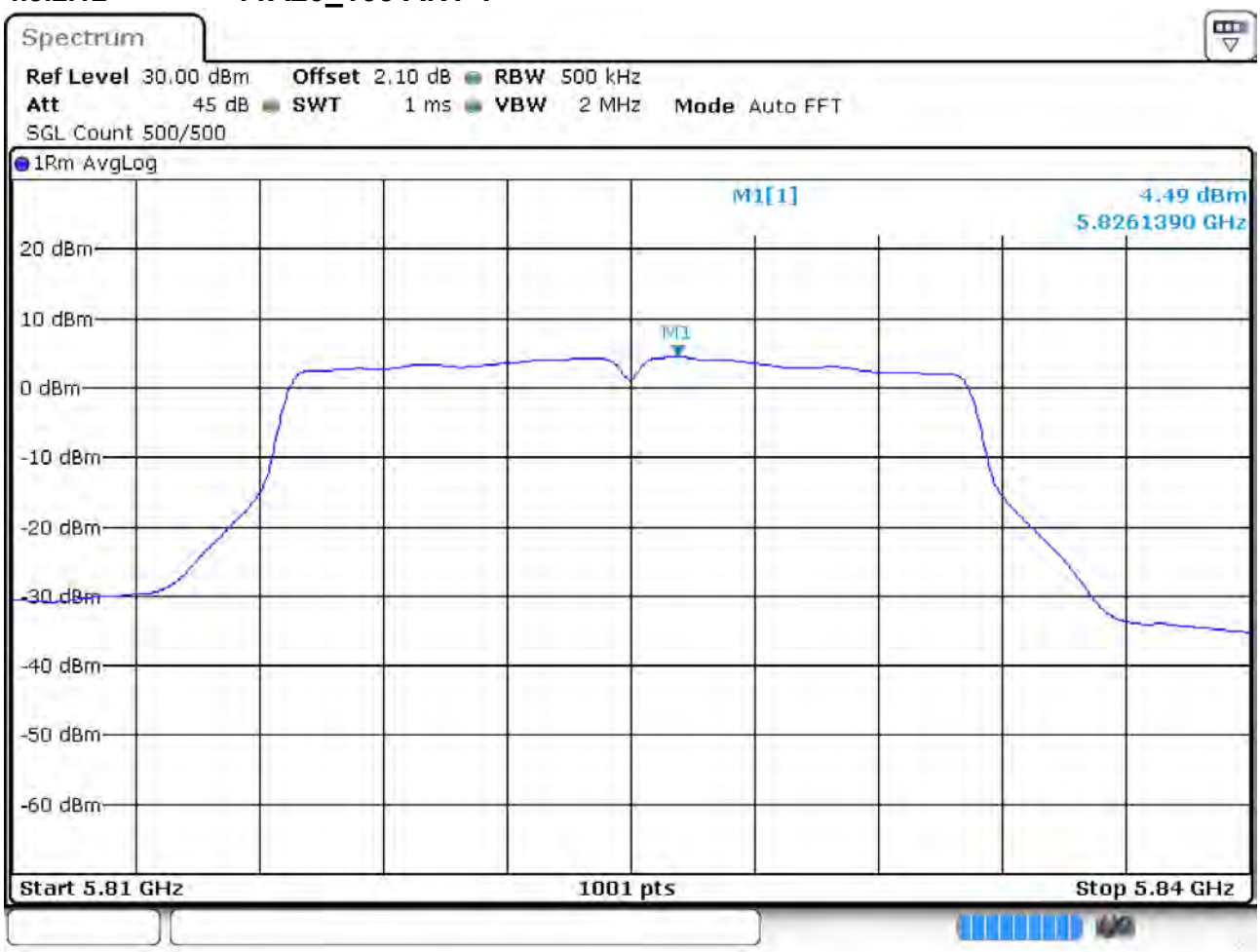


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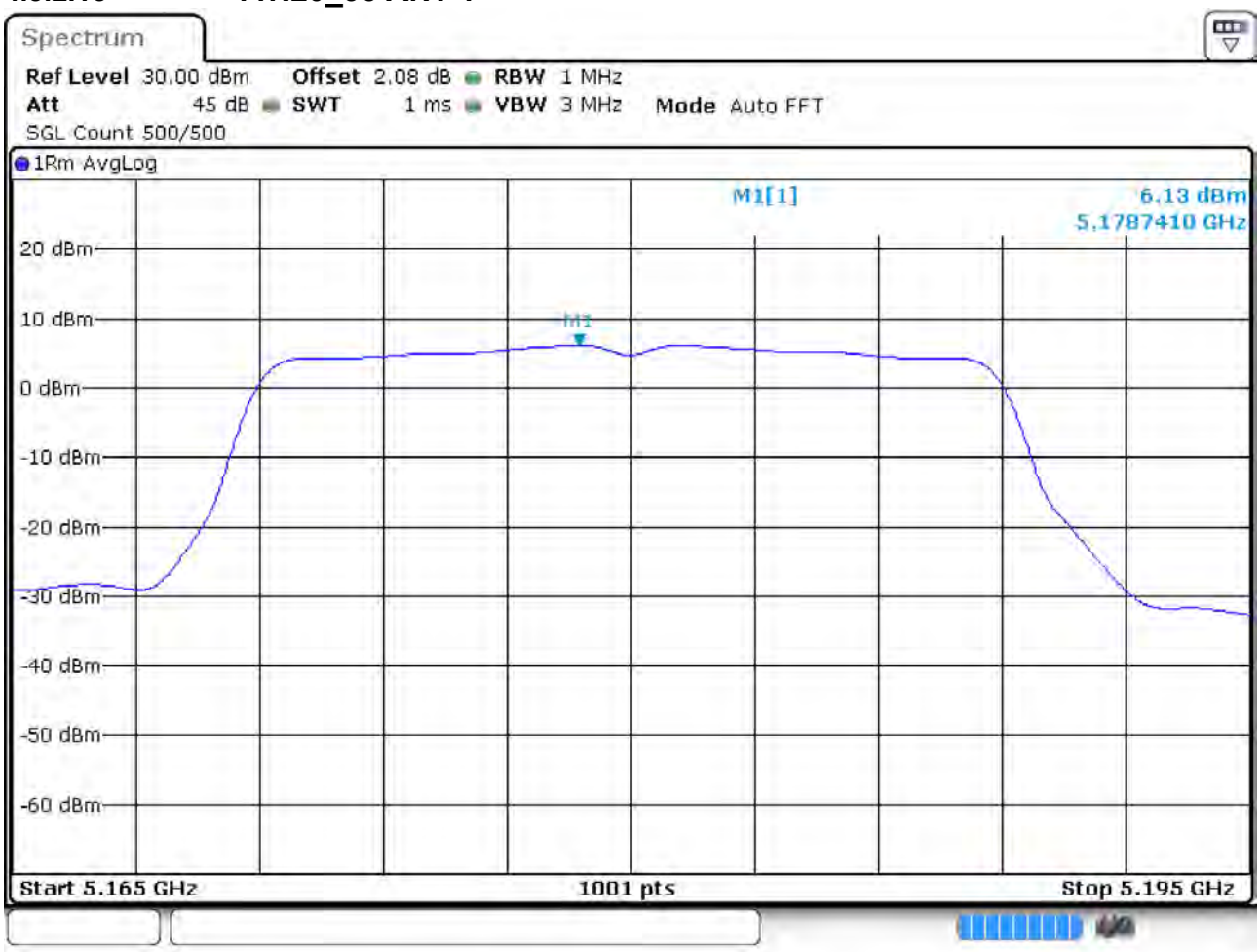


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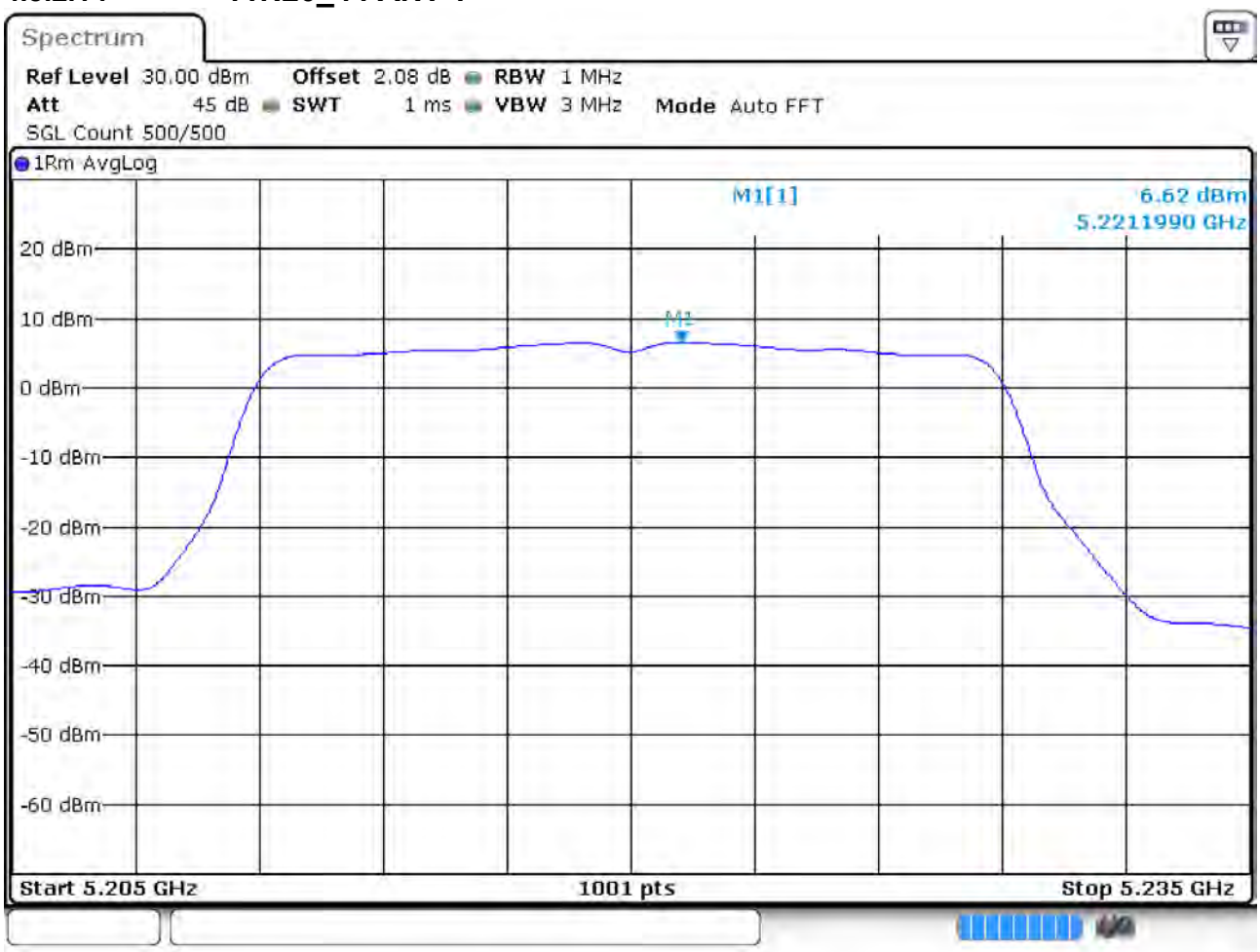


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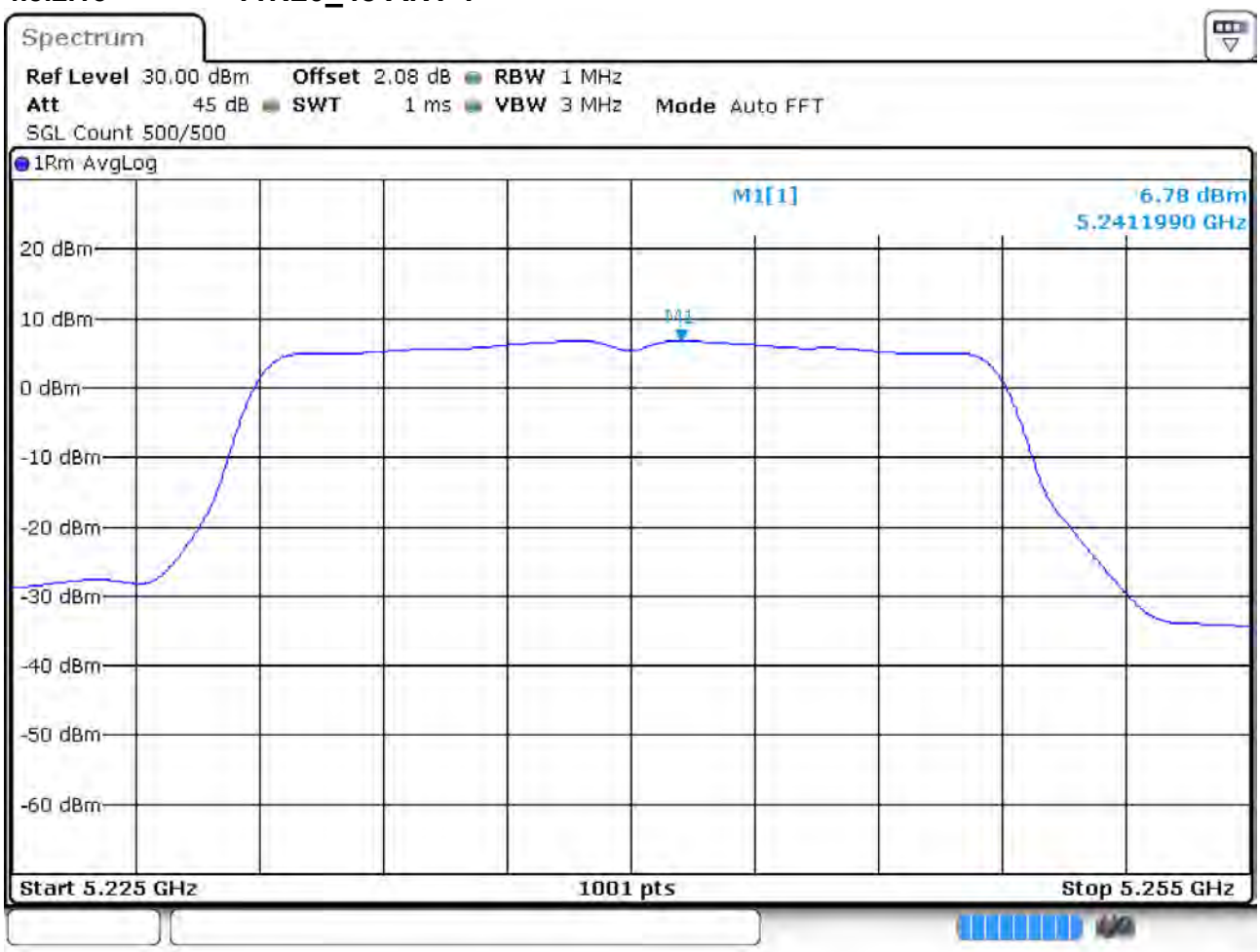


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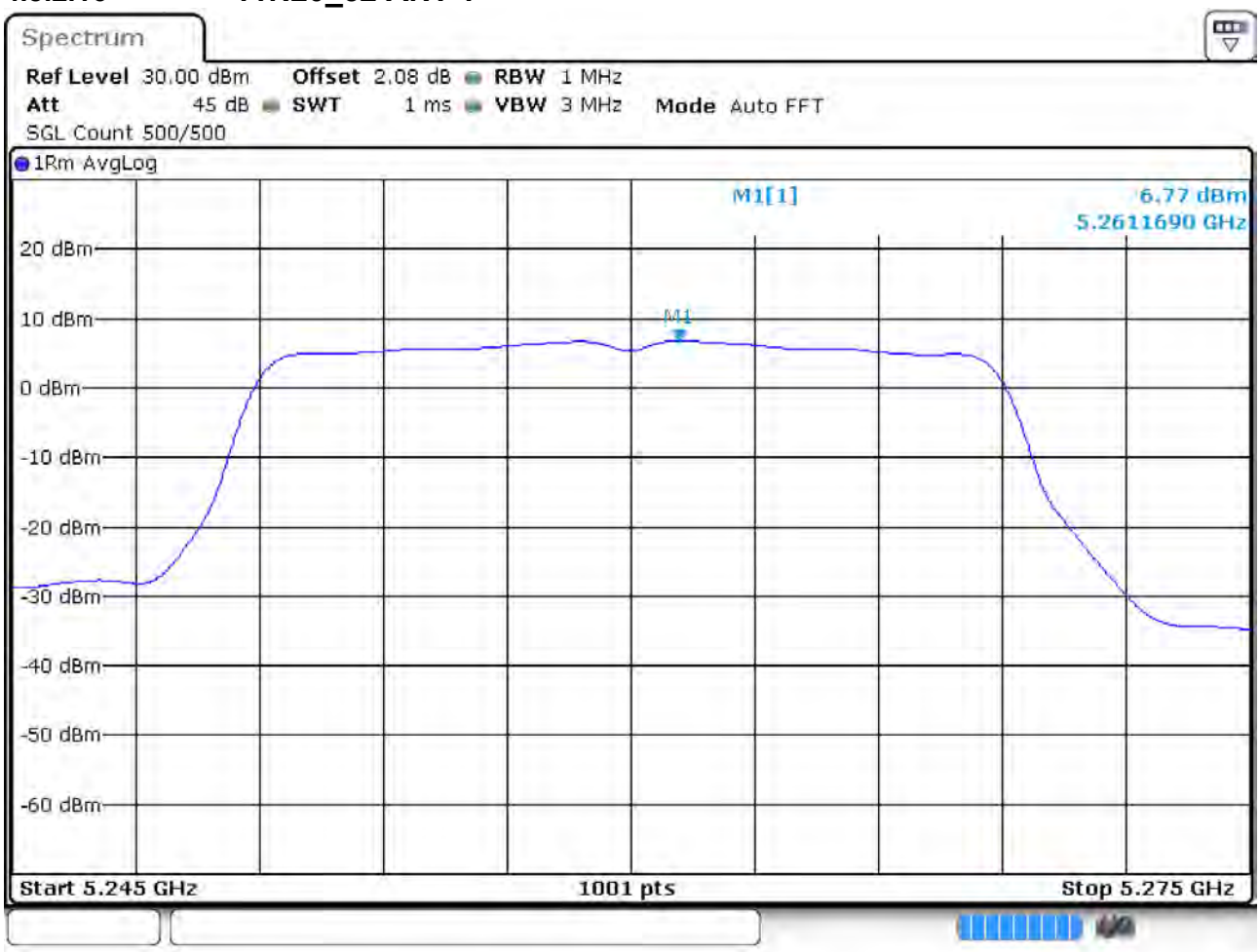


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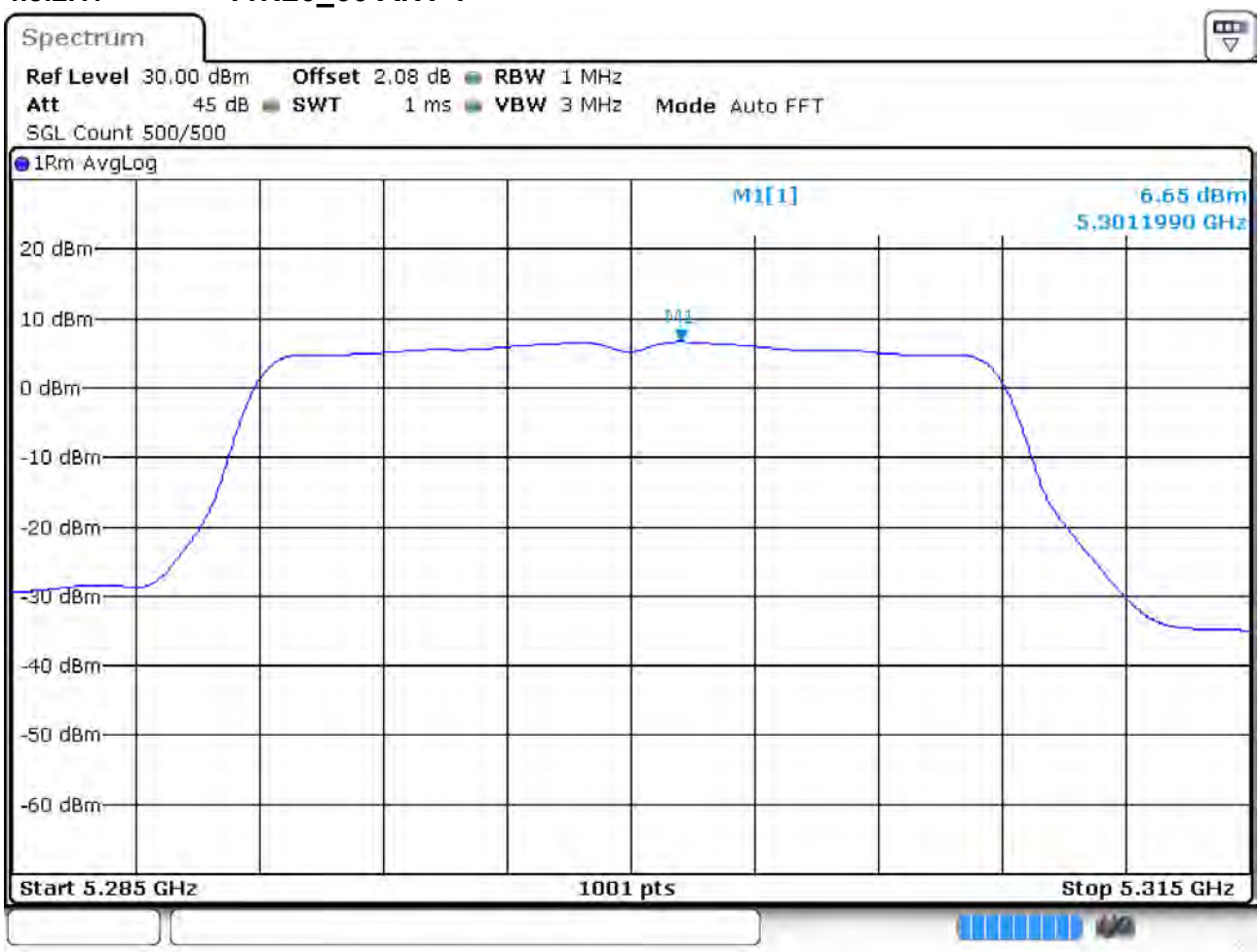


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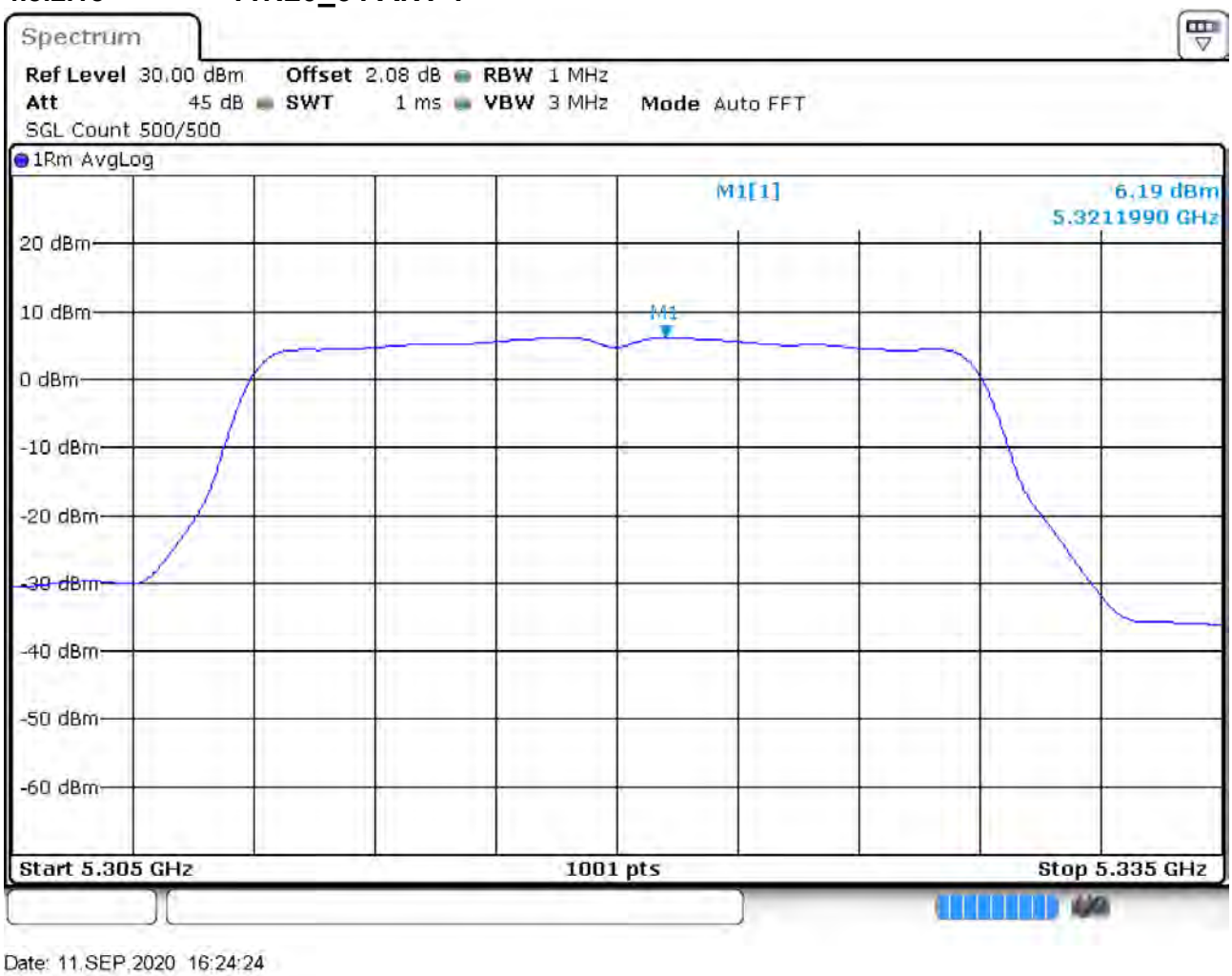


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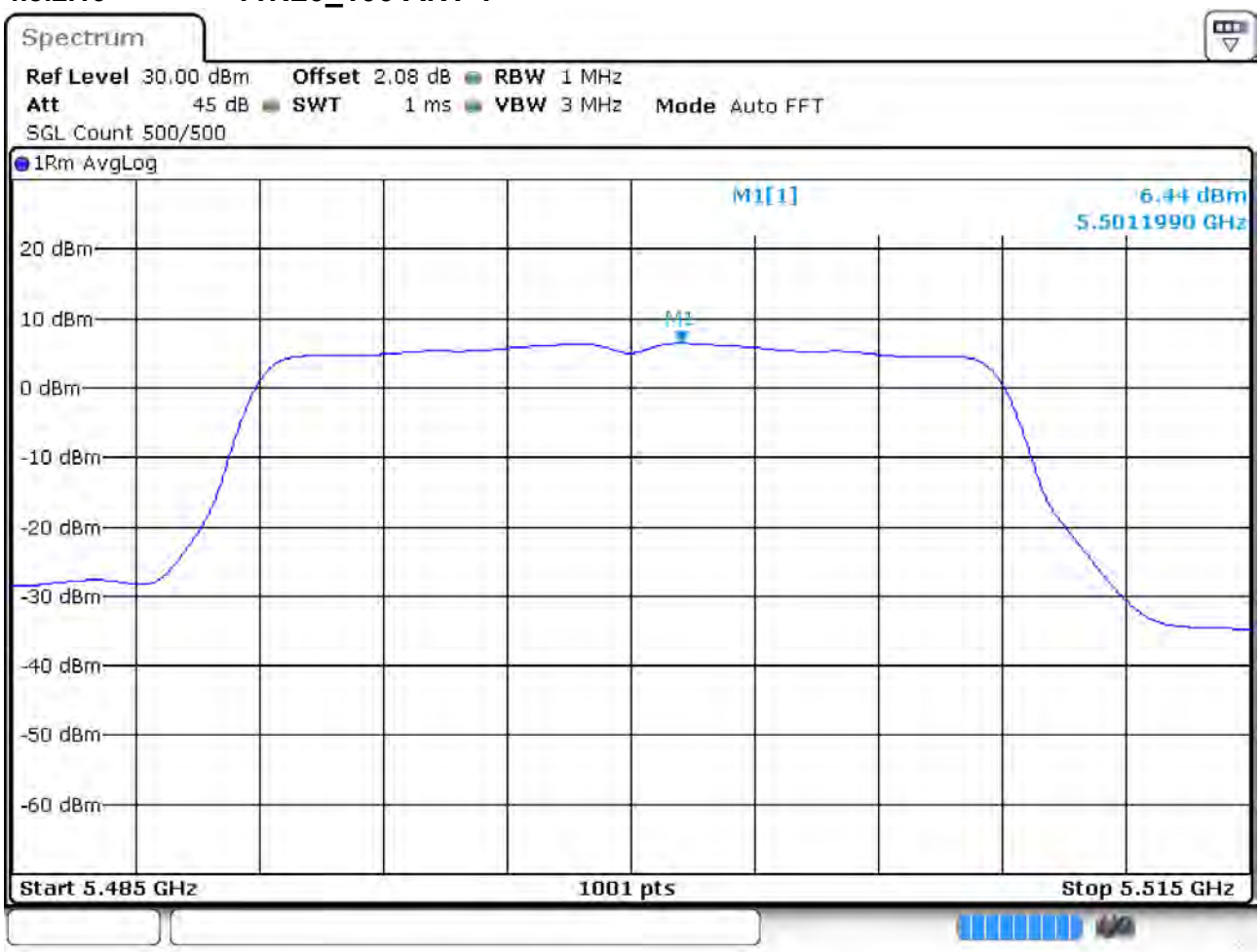


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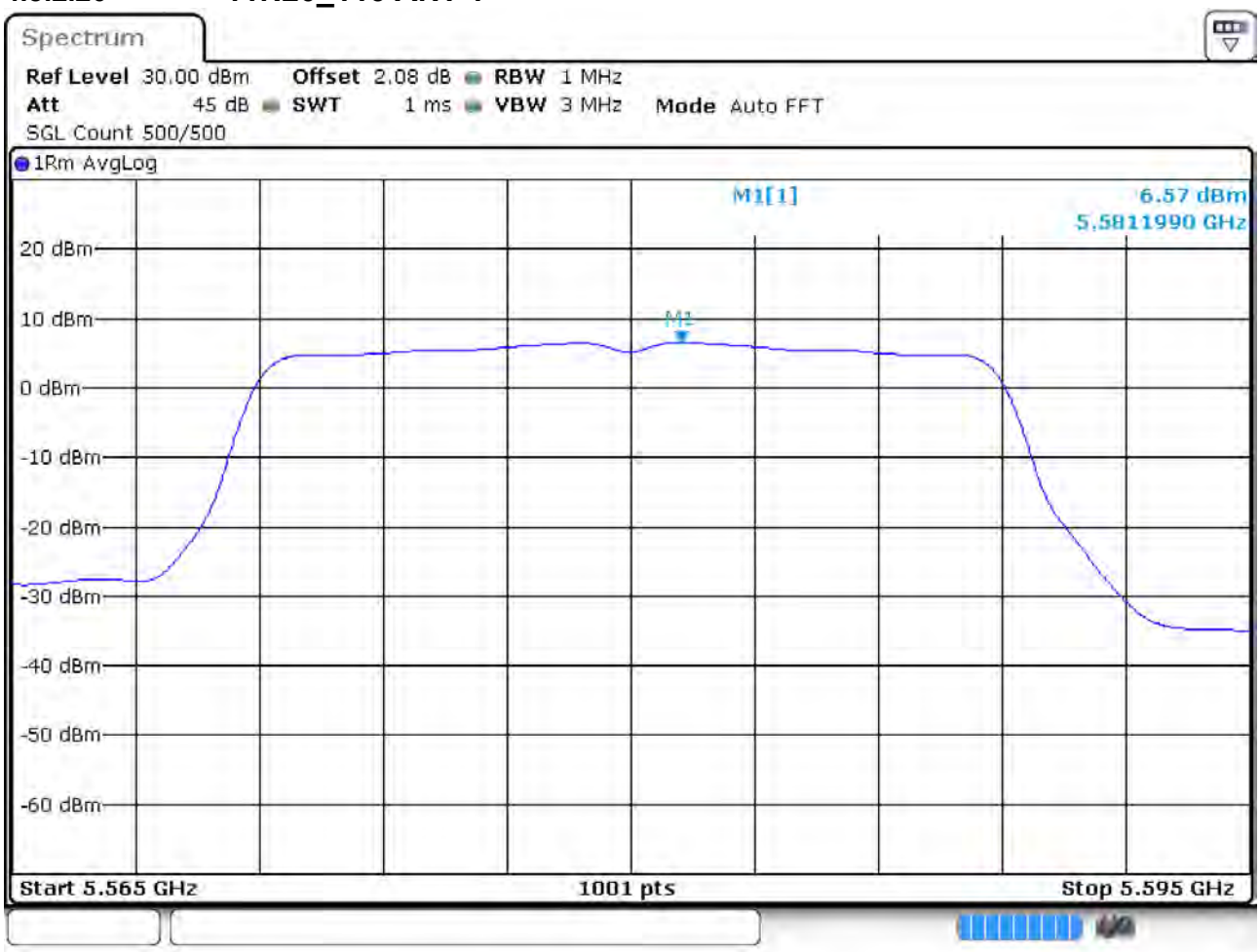


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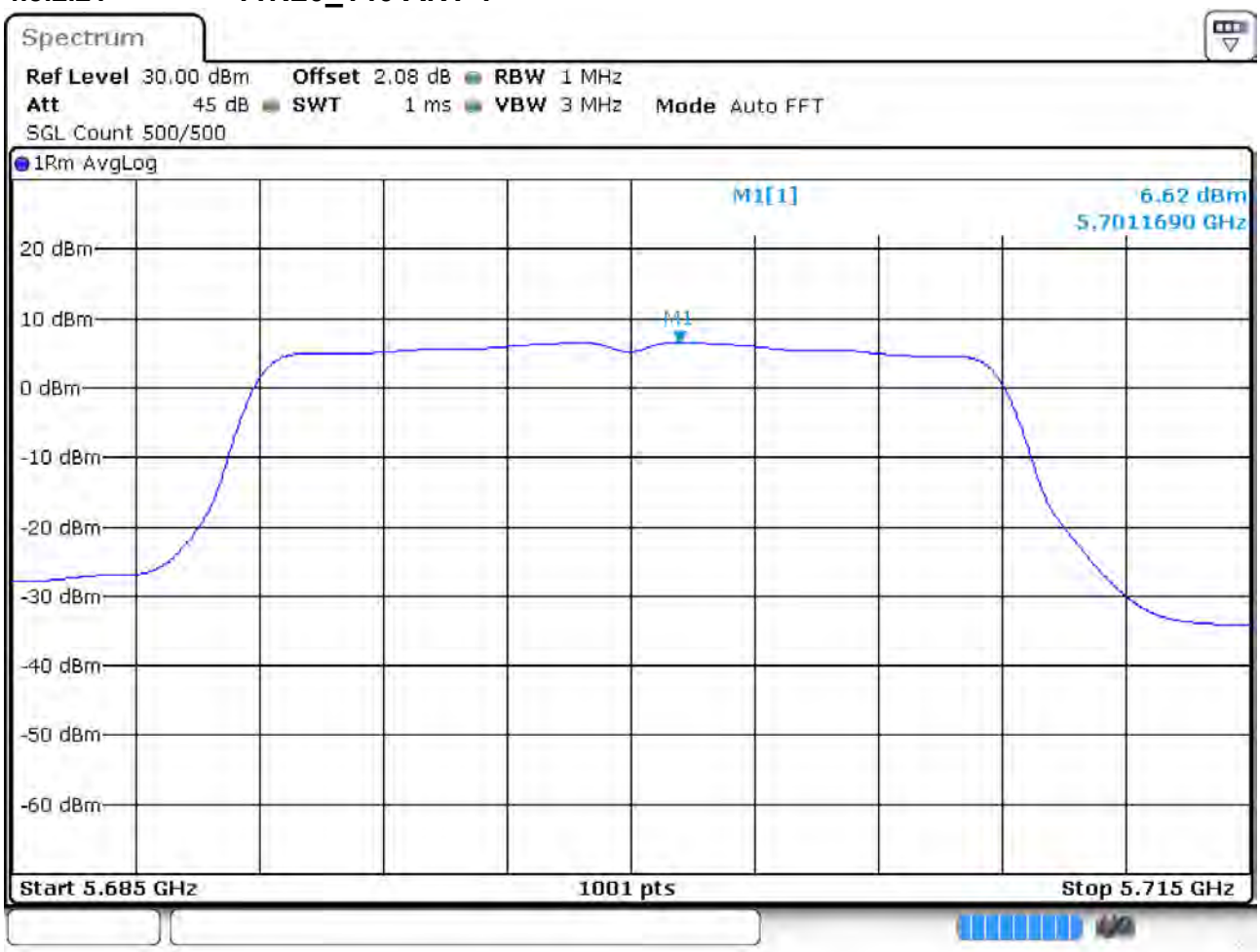


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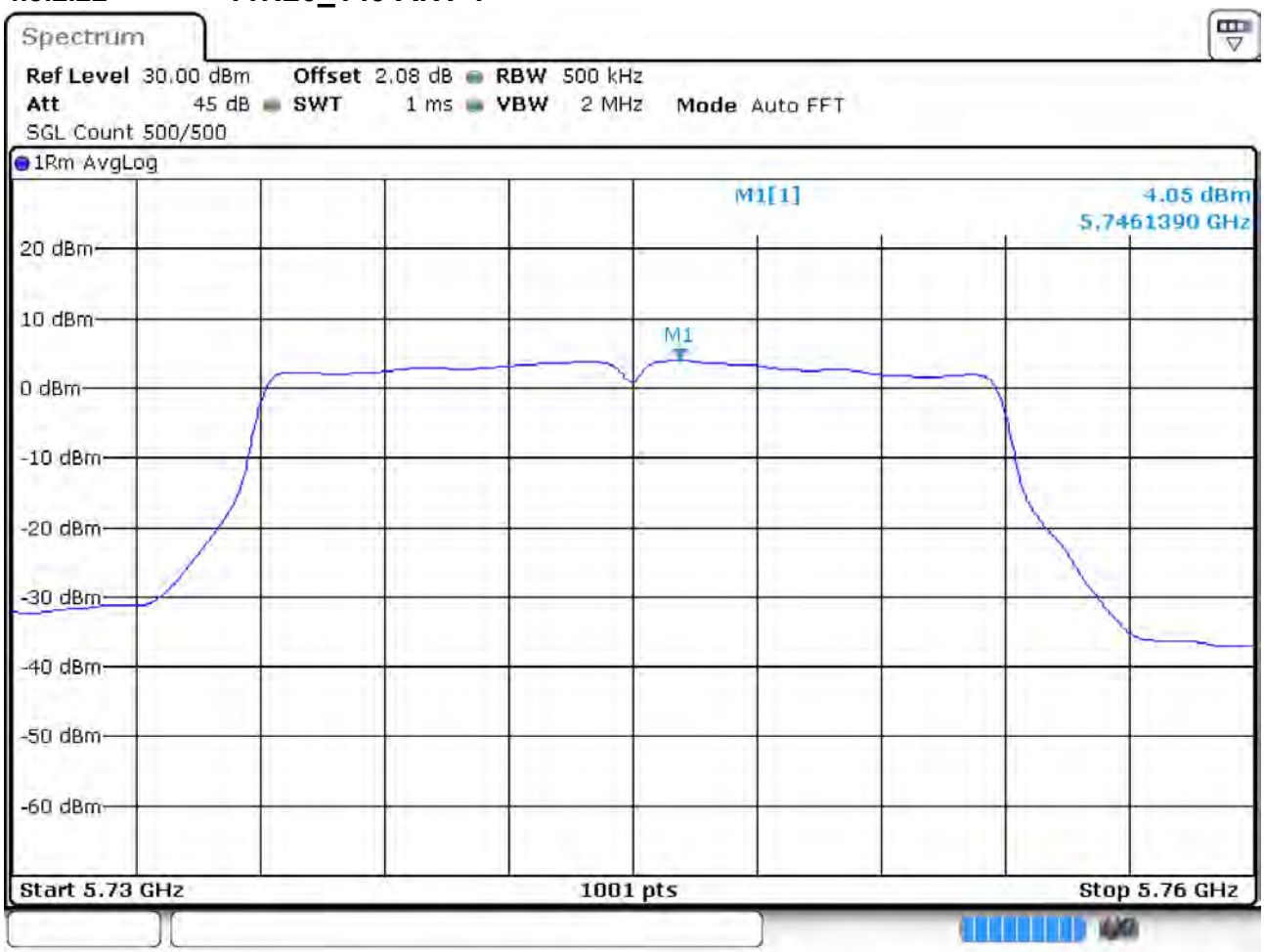
### 4.8.2.22 11N20_149 ANT 1

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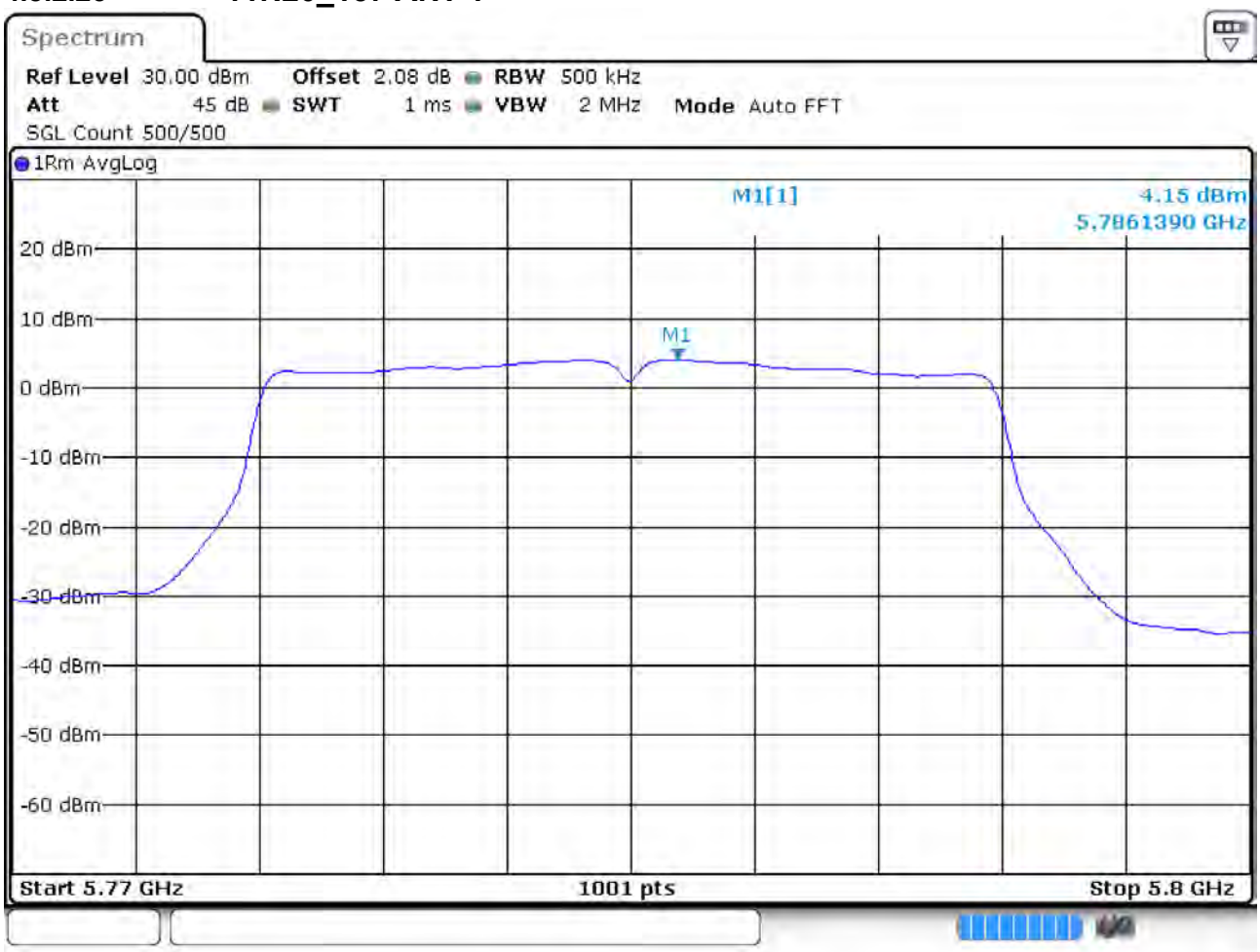
### 4.8.2.23 11N20_157 ANT 1

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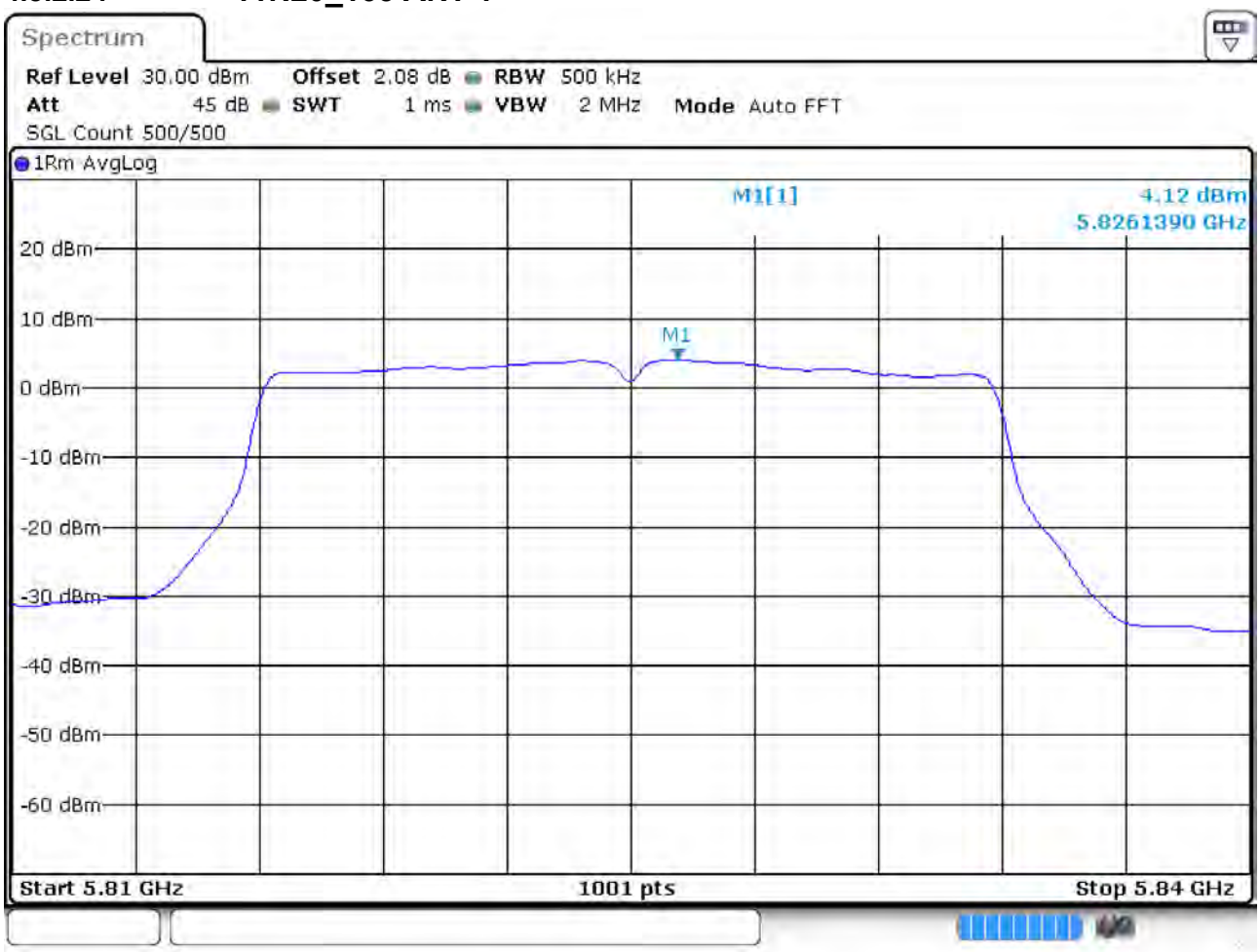


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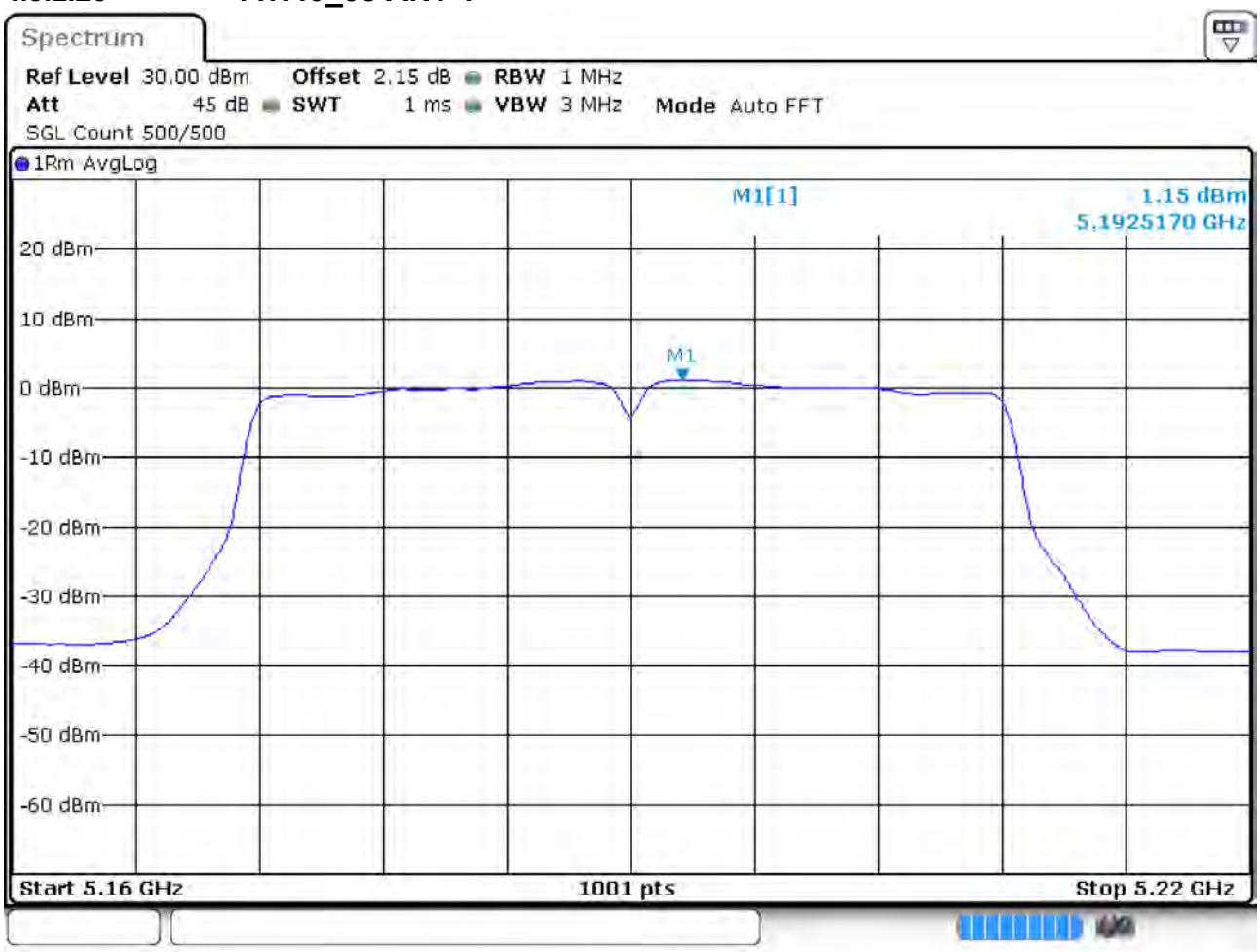
### 4.8.2.25 11N40_38 ANT 1

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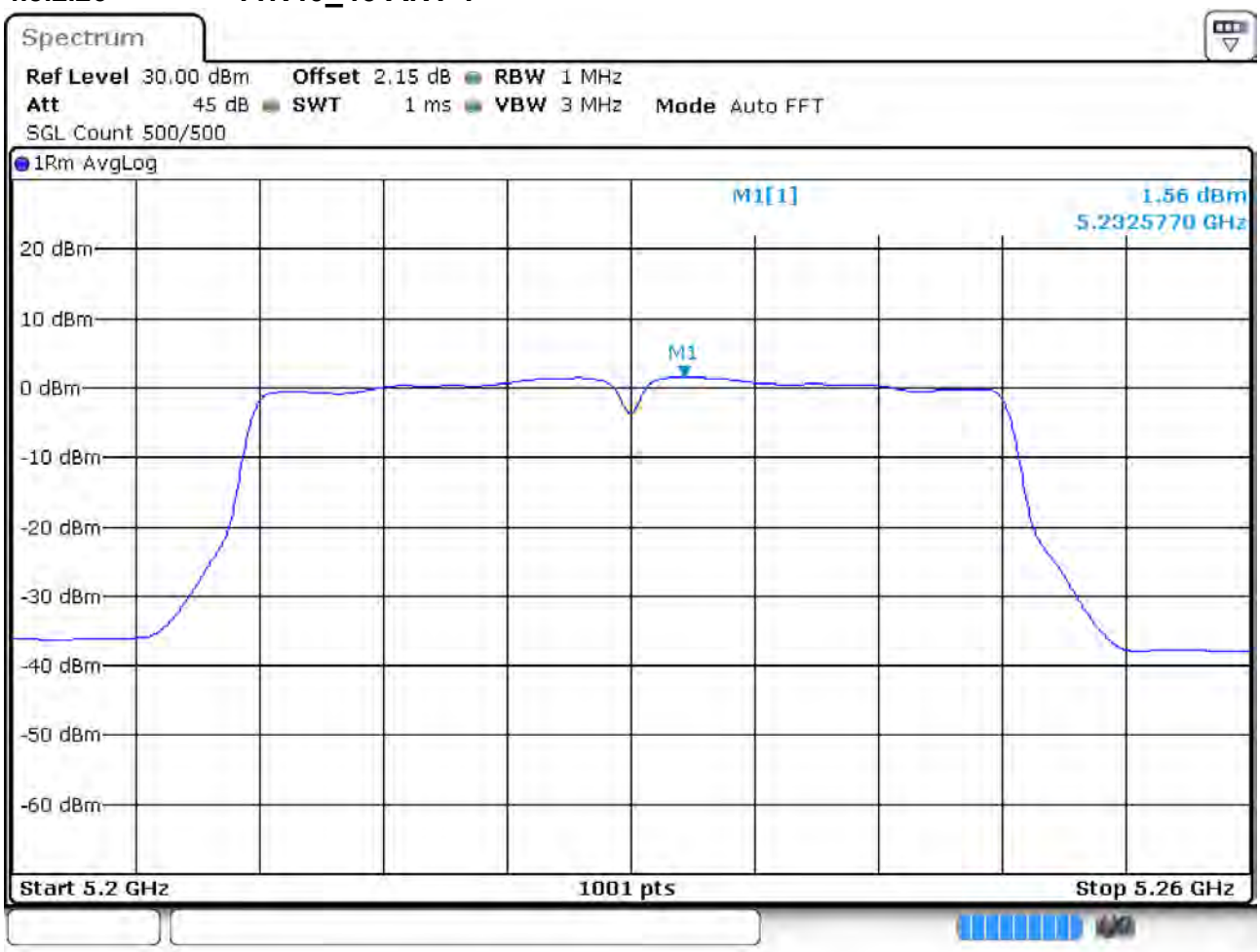
### 4.8.2.26 11N40_46 ANT 1

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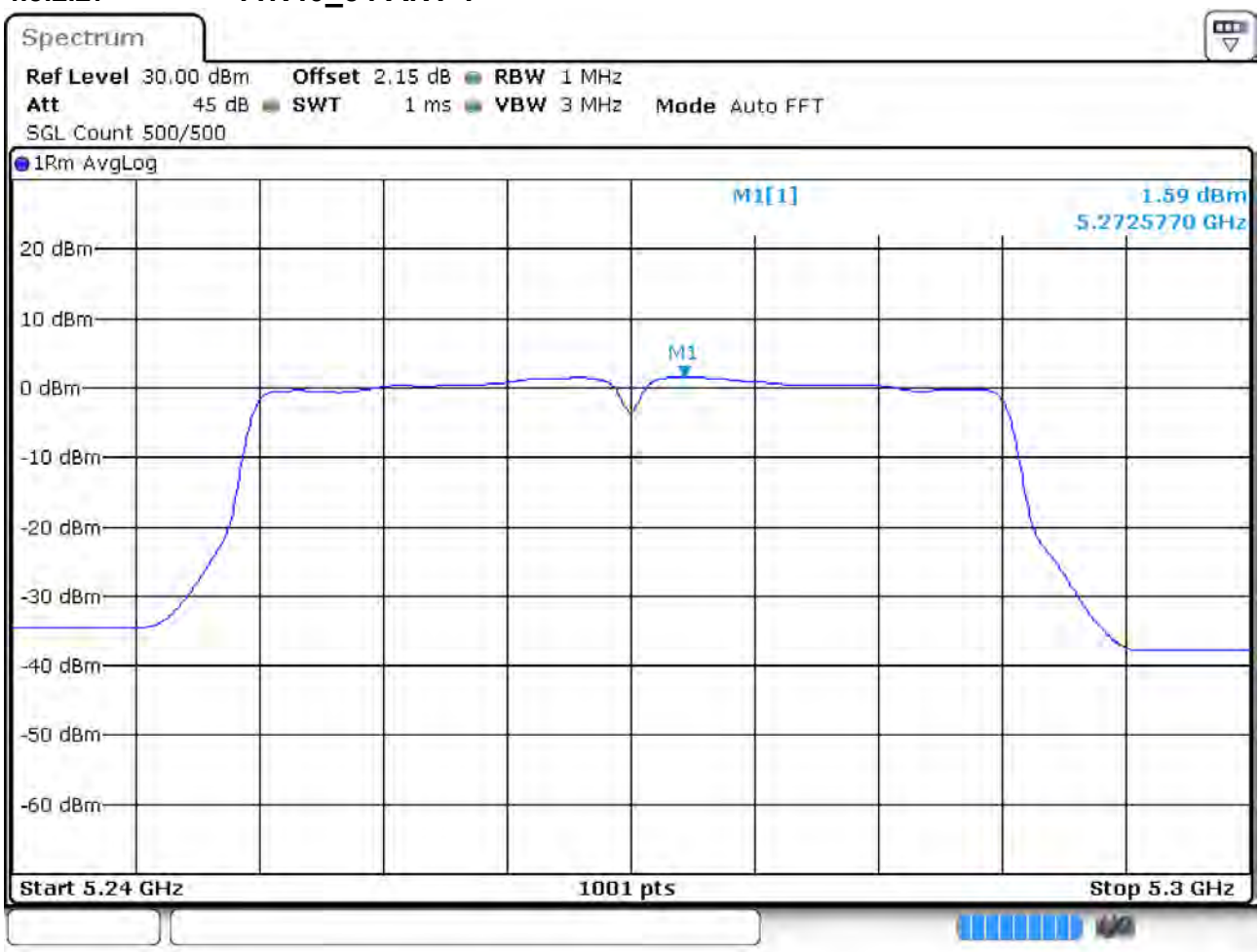
### 4.8.2.27 11N40_54 ANT 1

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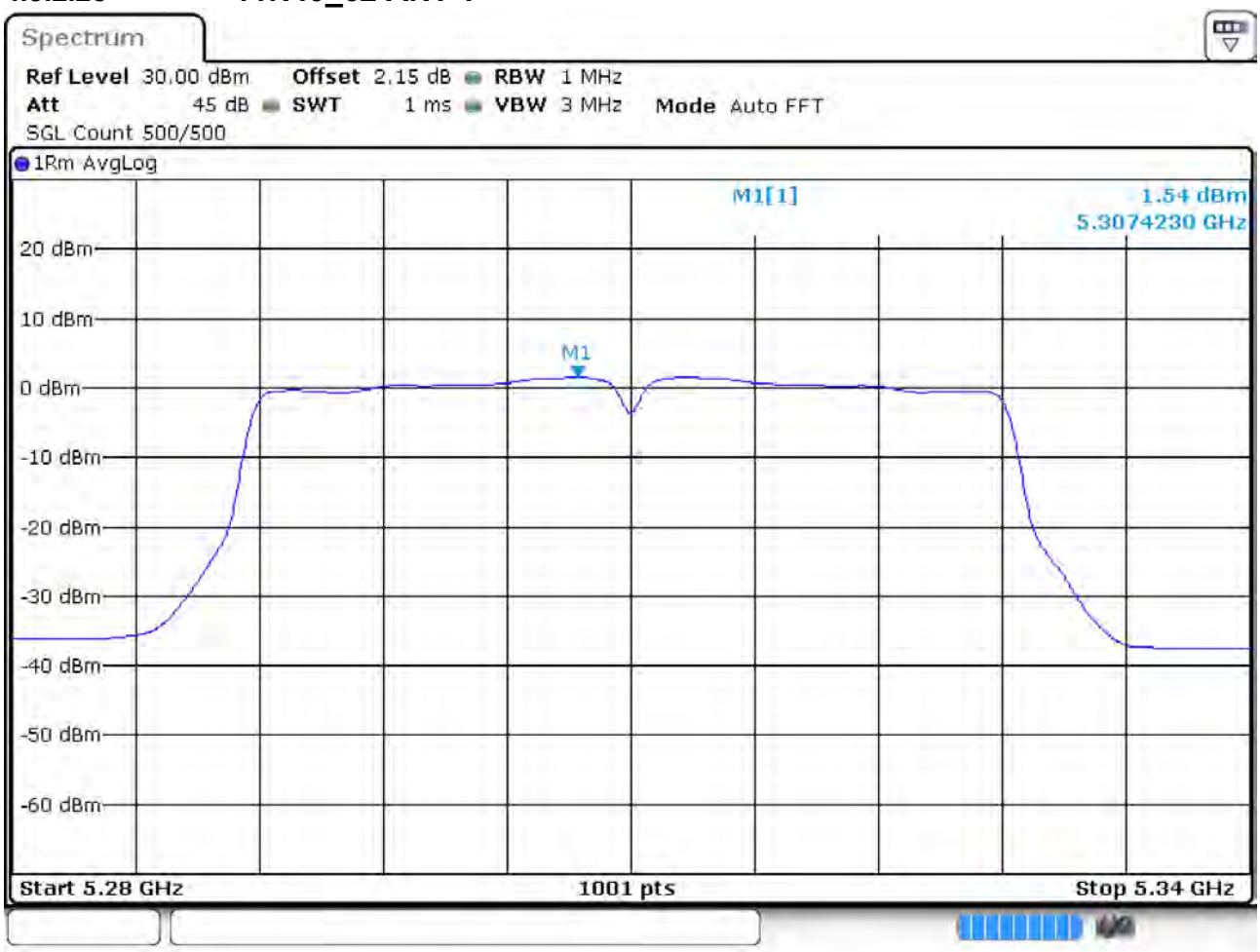
### 4.8.2.28 11N40_62 ANT 1

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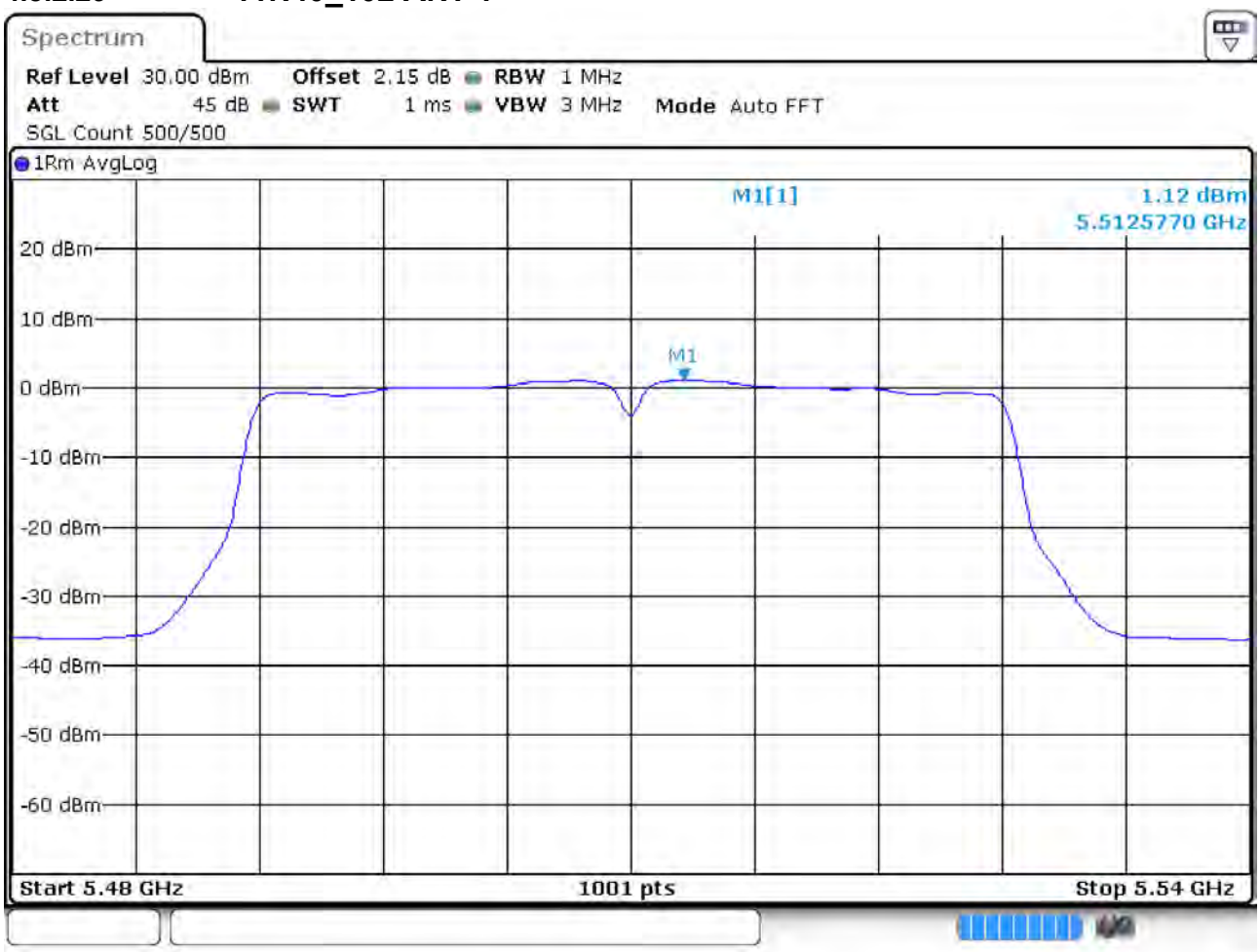
### 4.8.2.29 11N40_102 ANT 1

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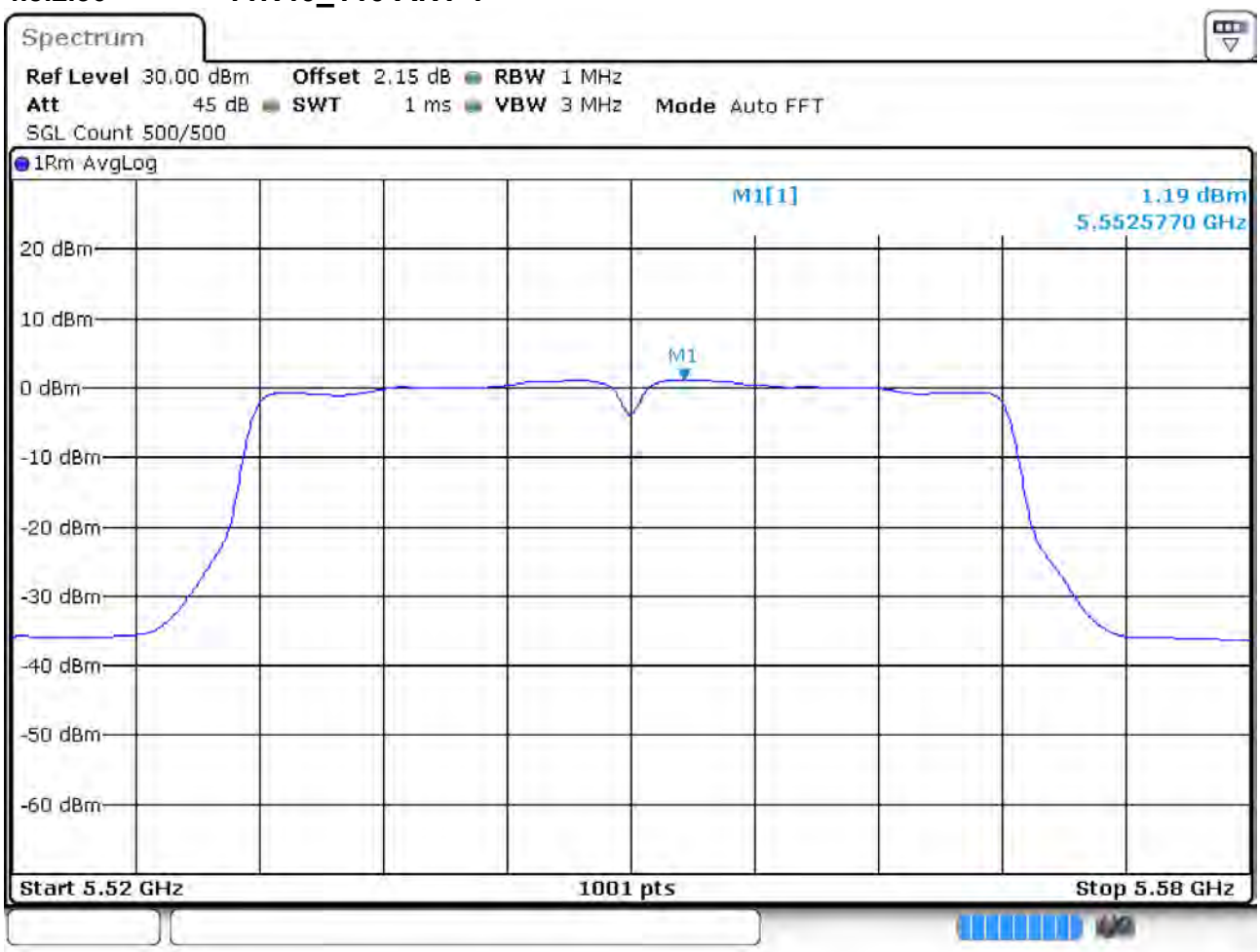


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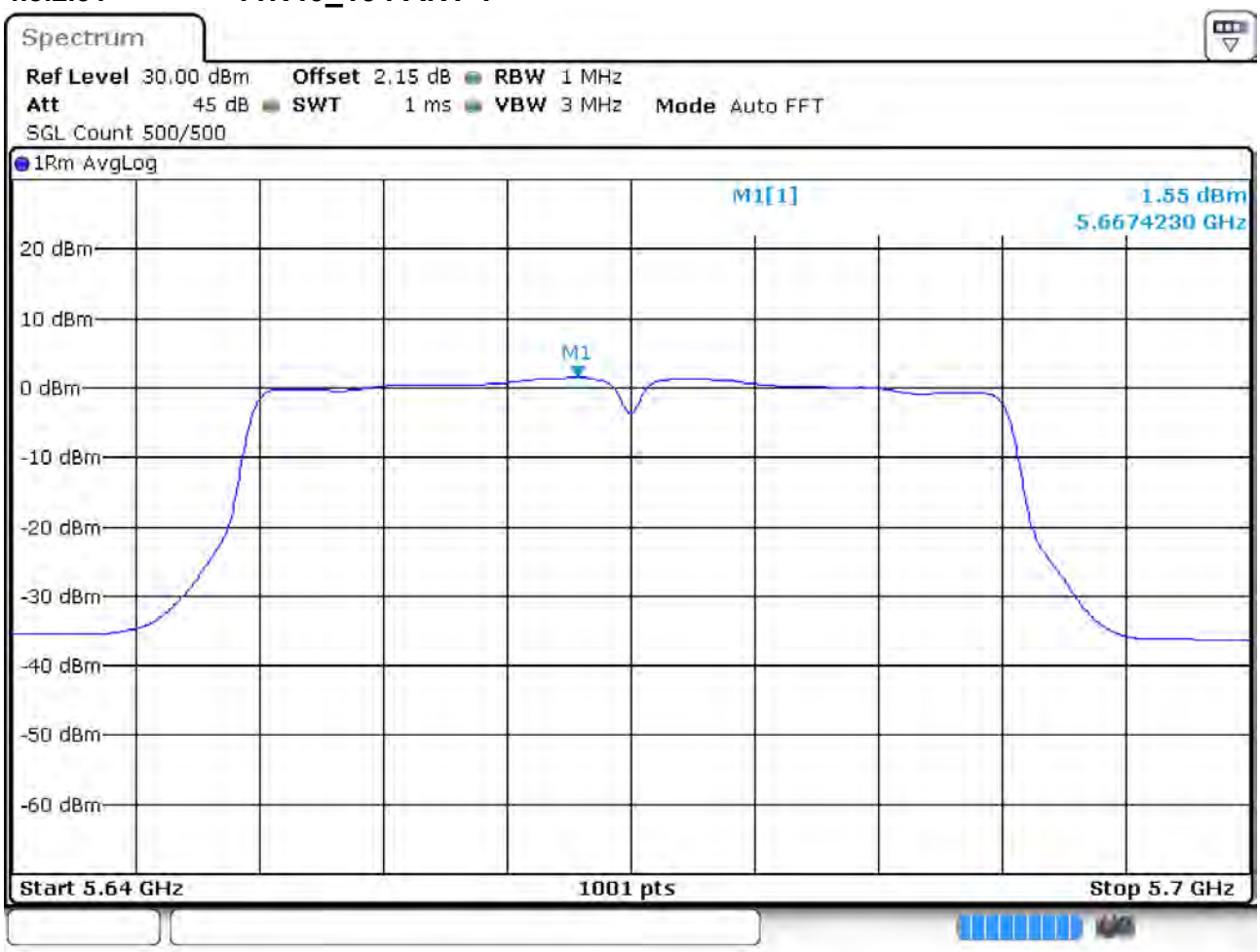


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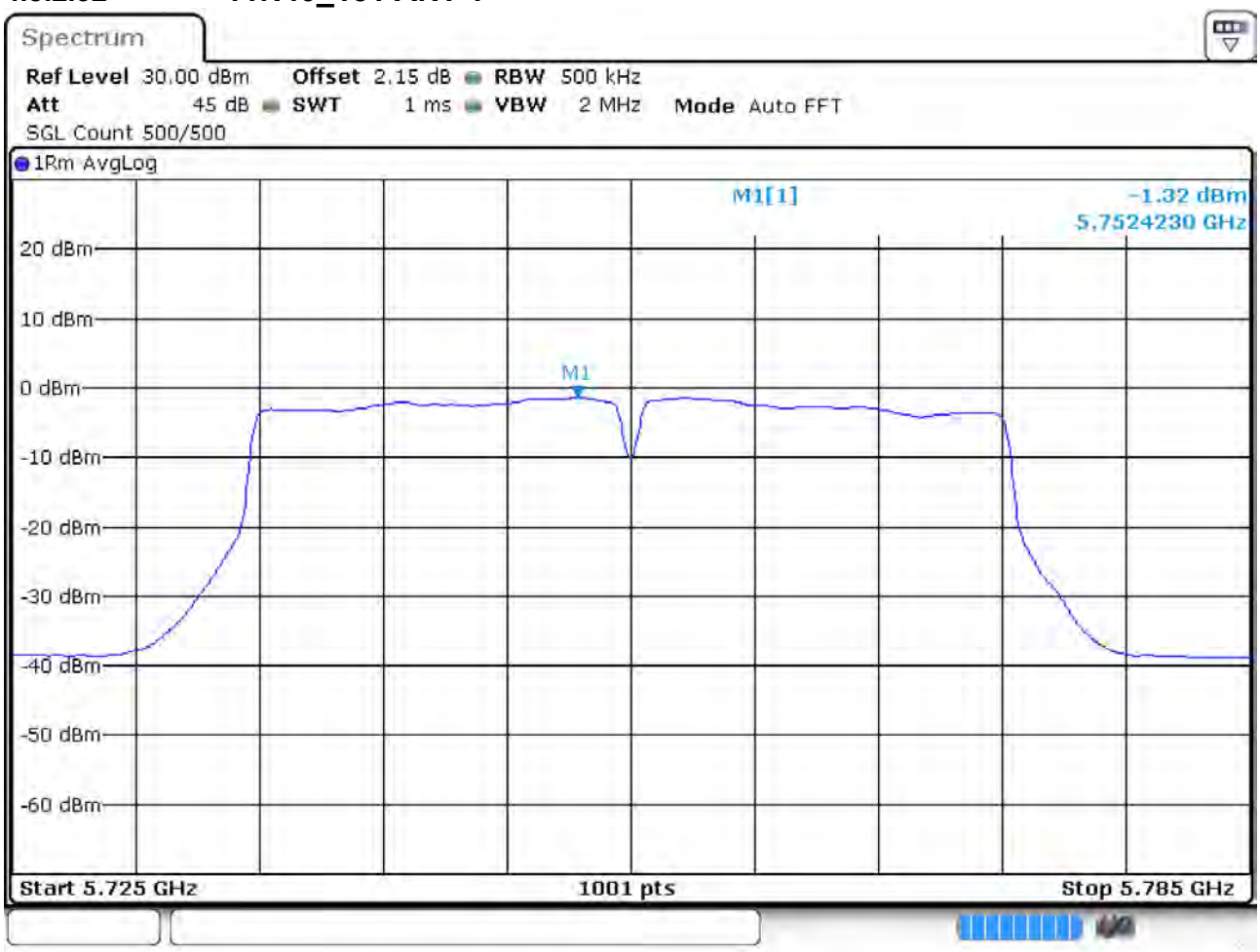


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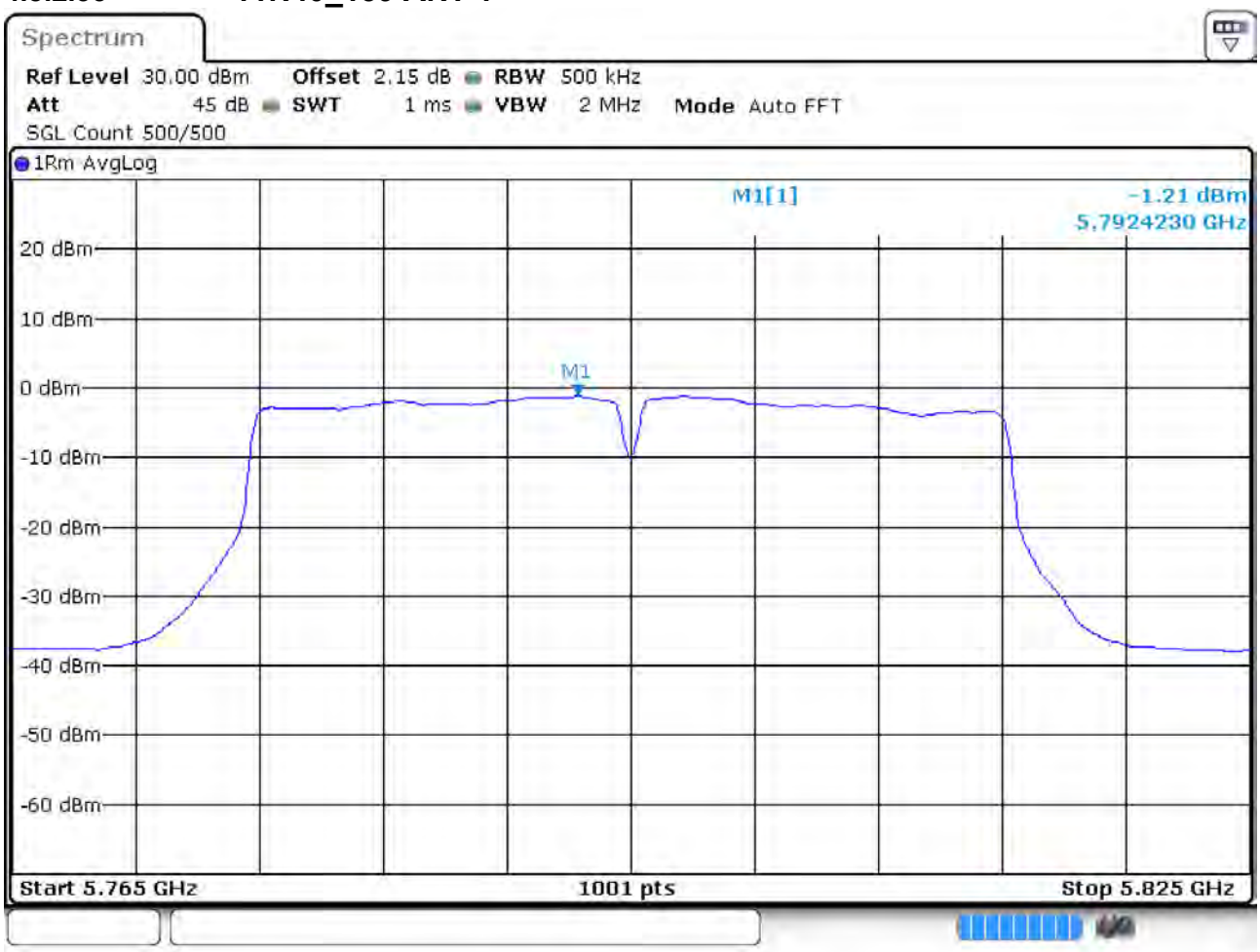


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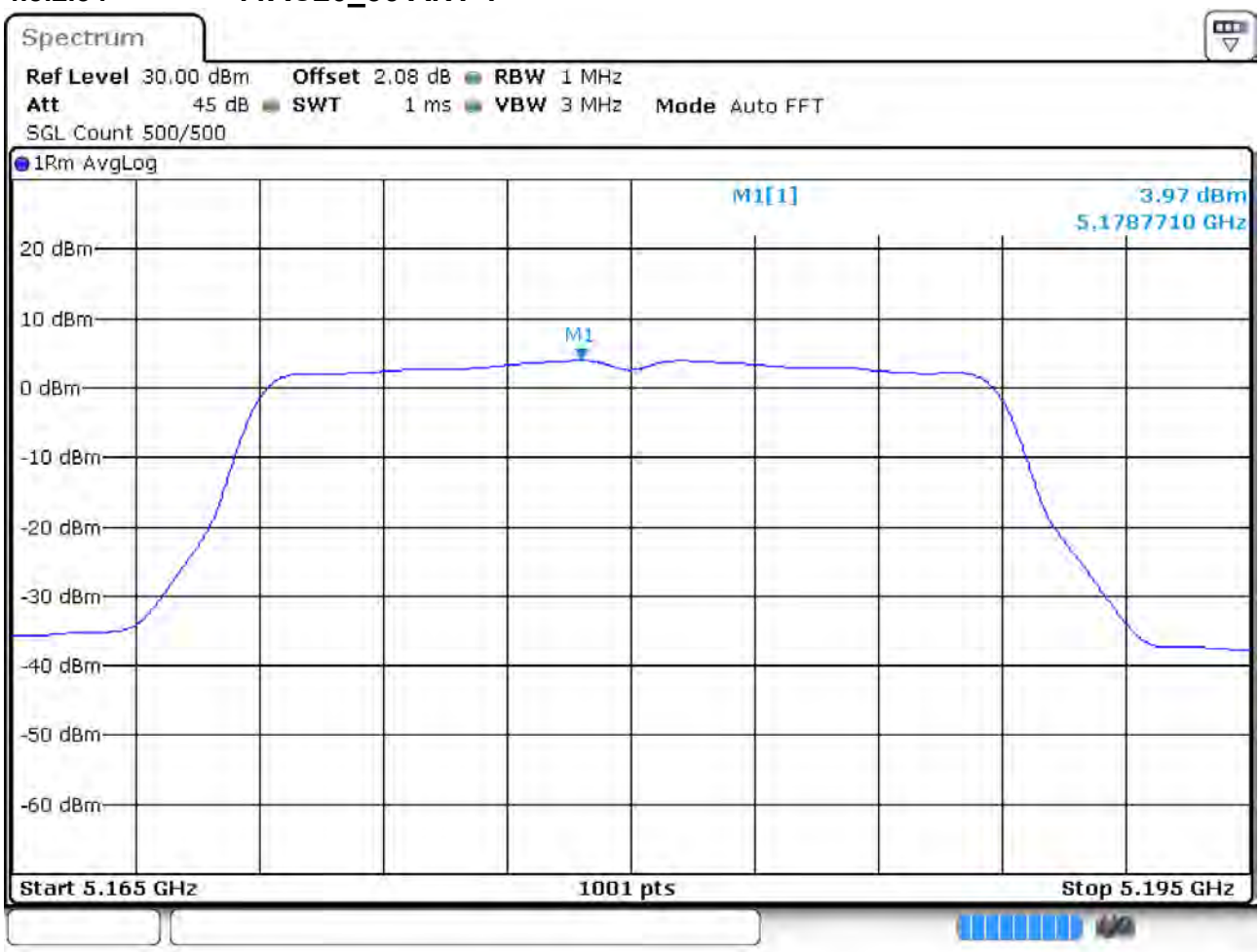
### 4.8.2.34 11AC20_36 ANT 1

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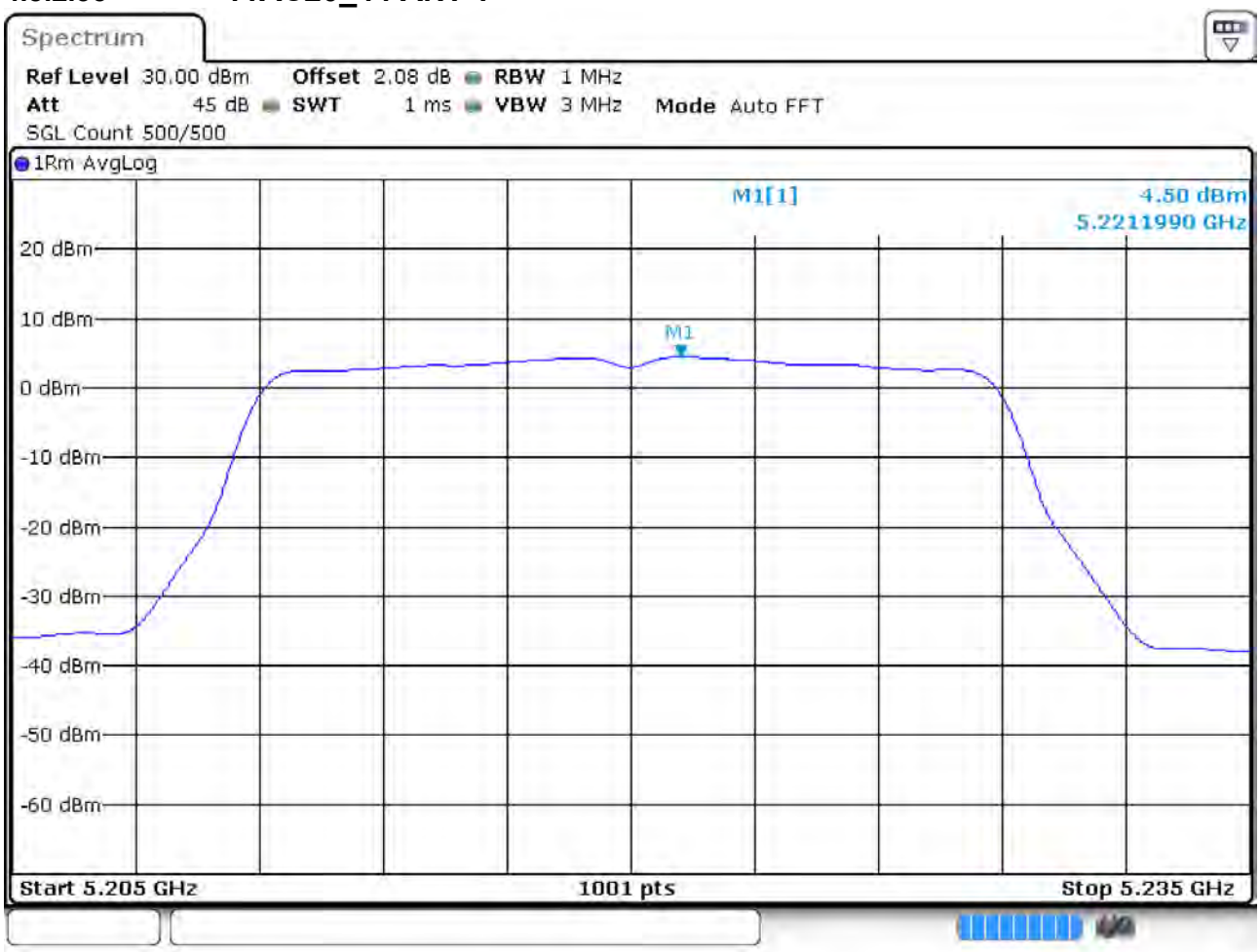


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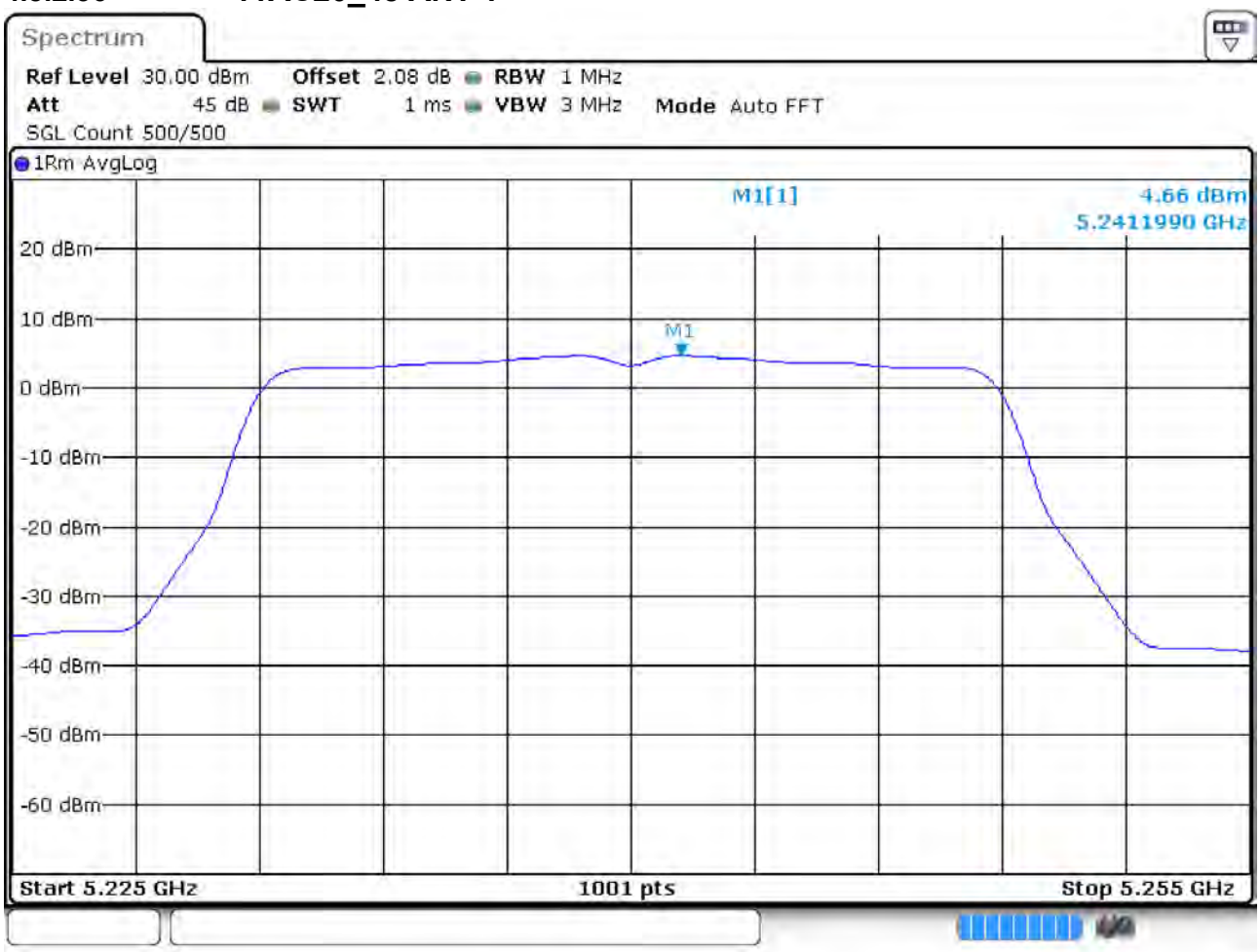


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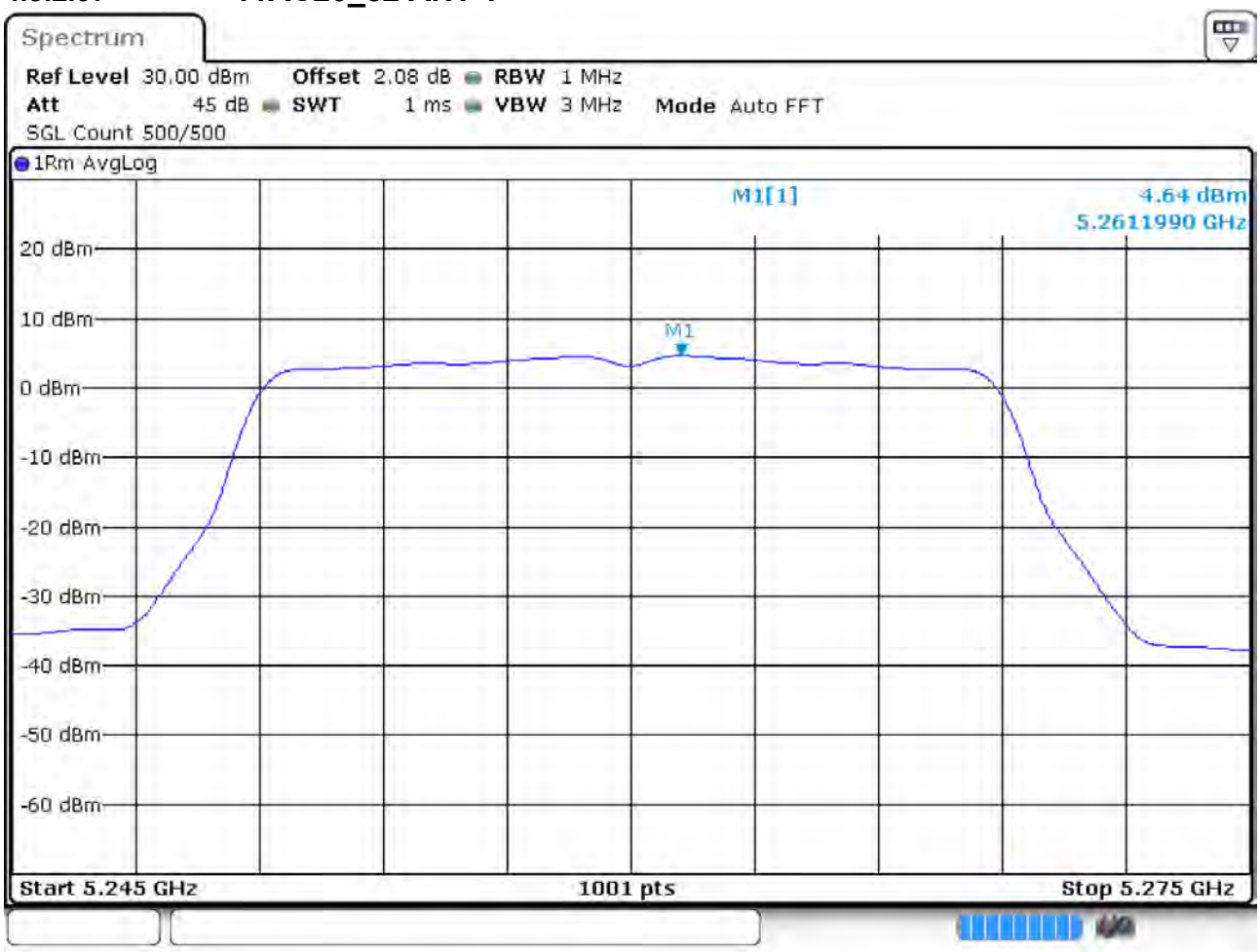


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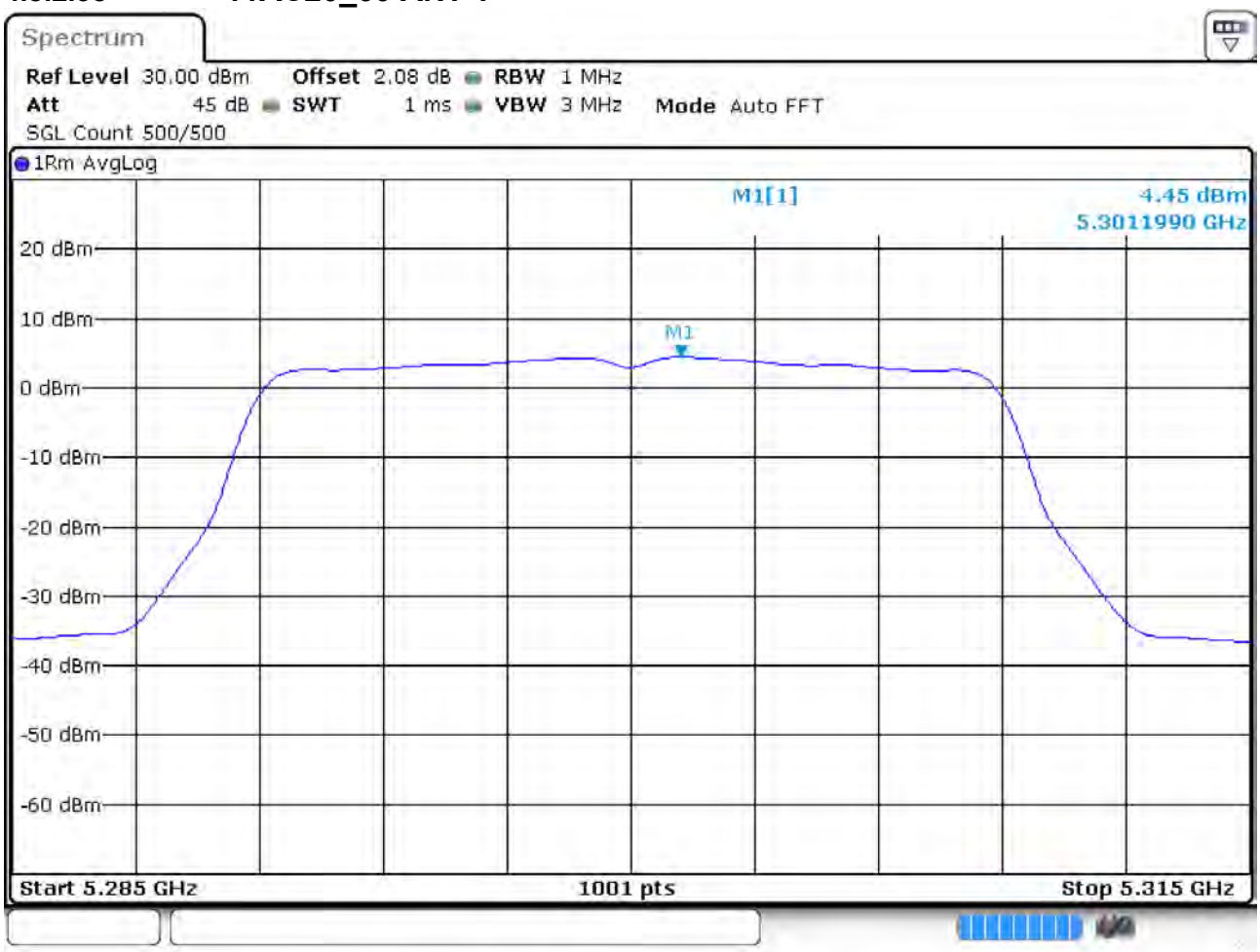


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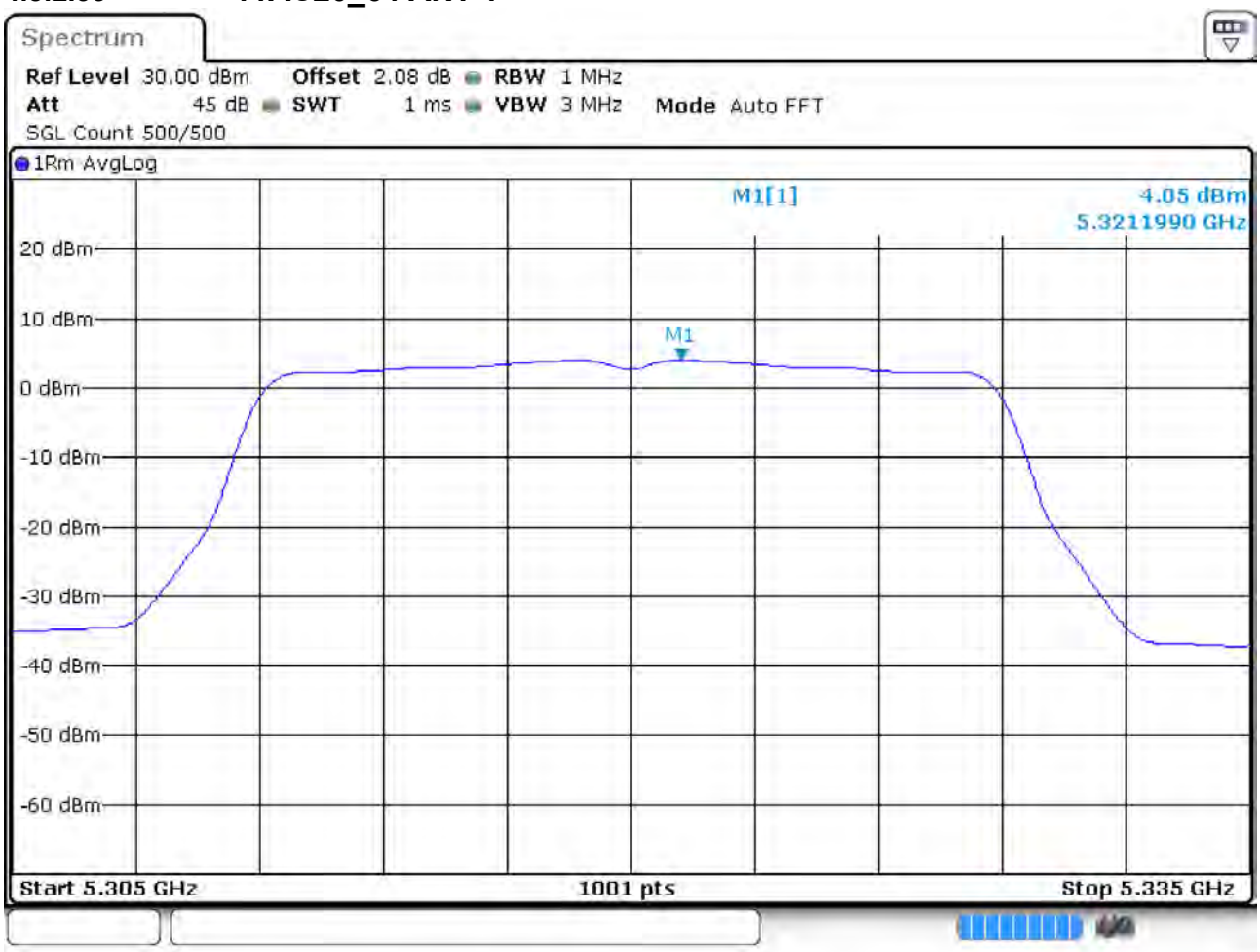


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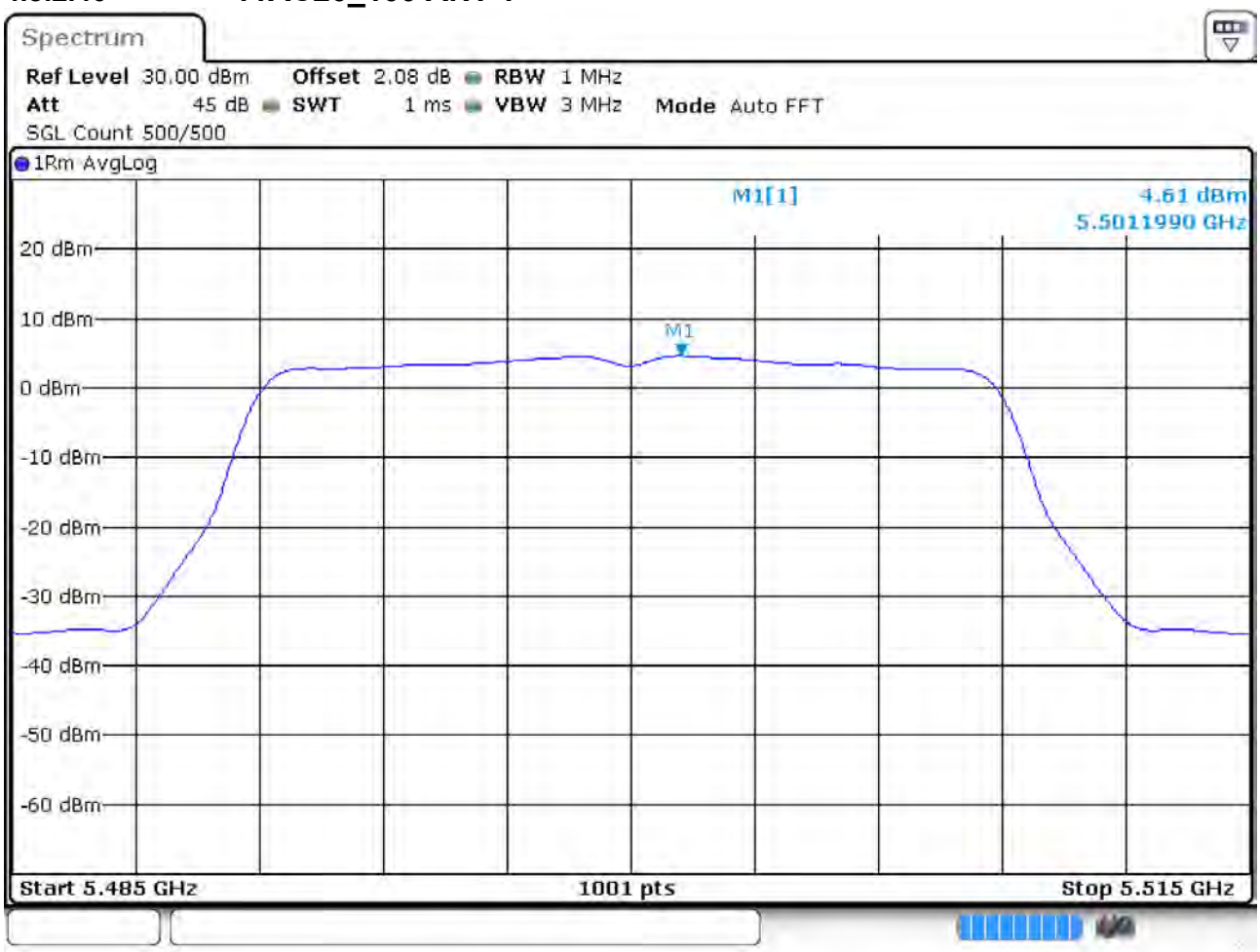


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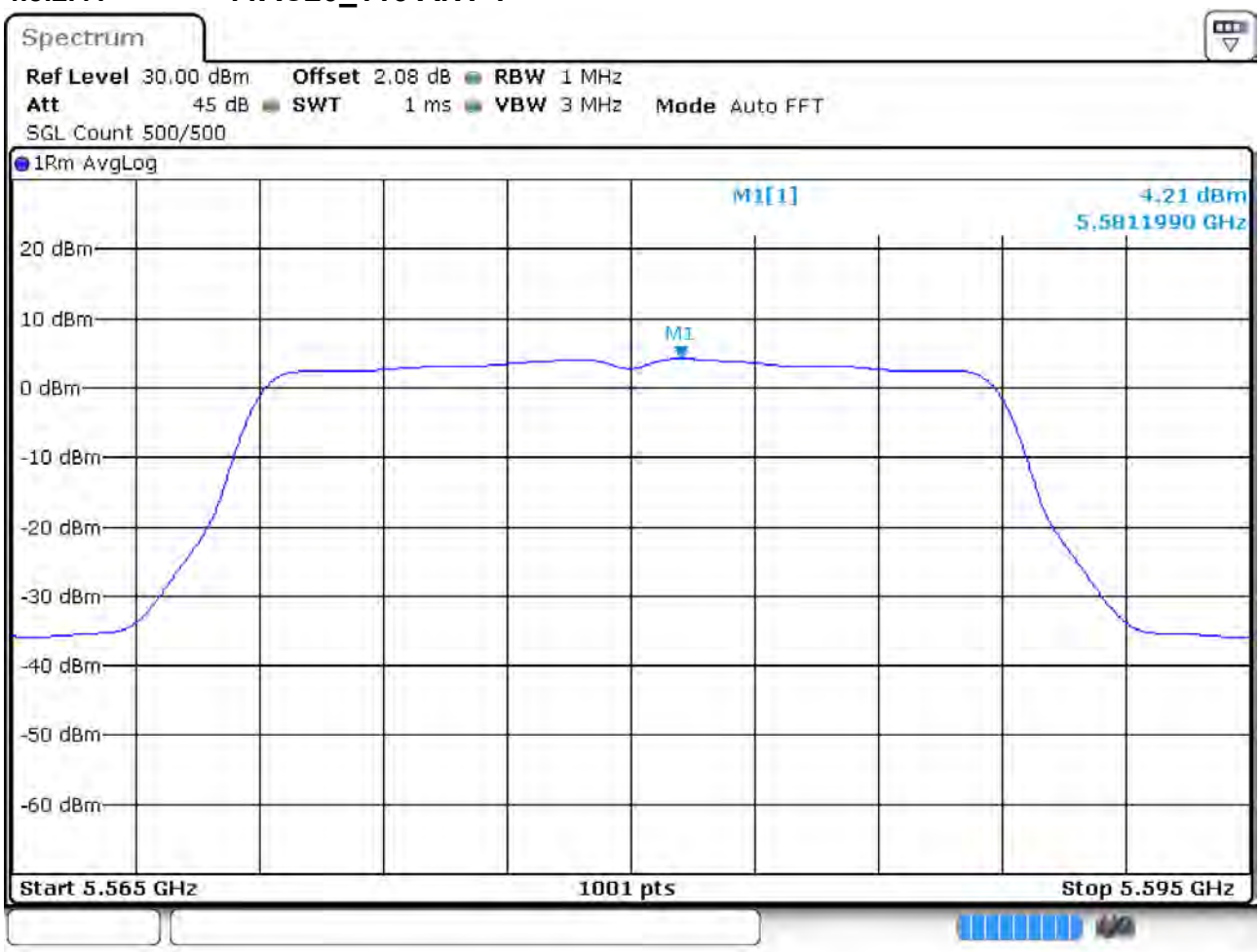


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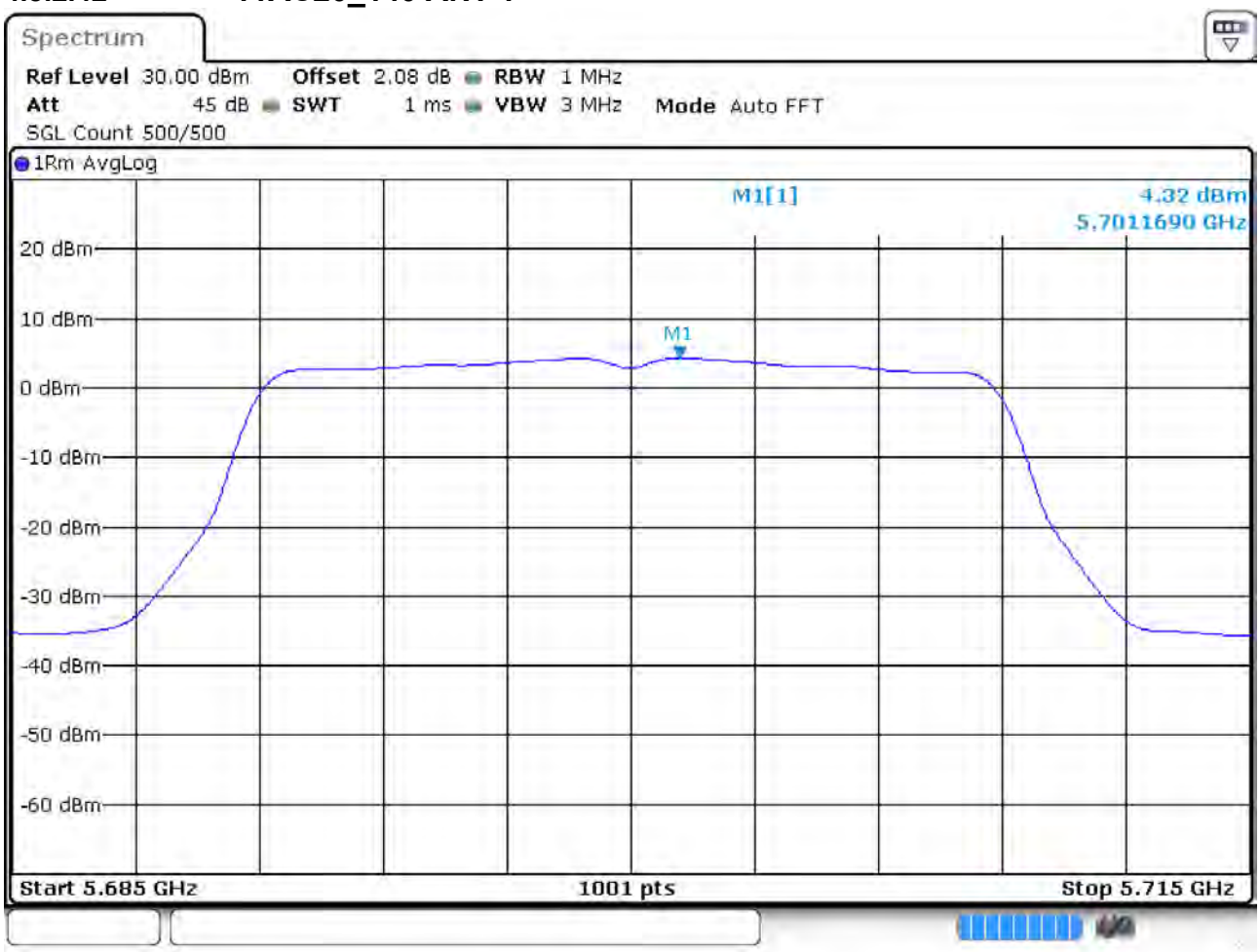


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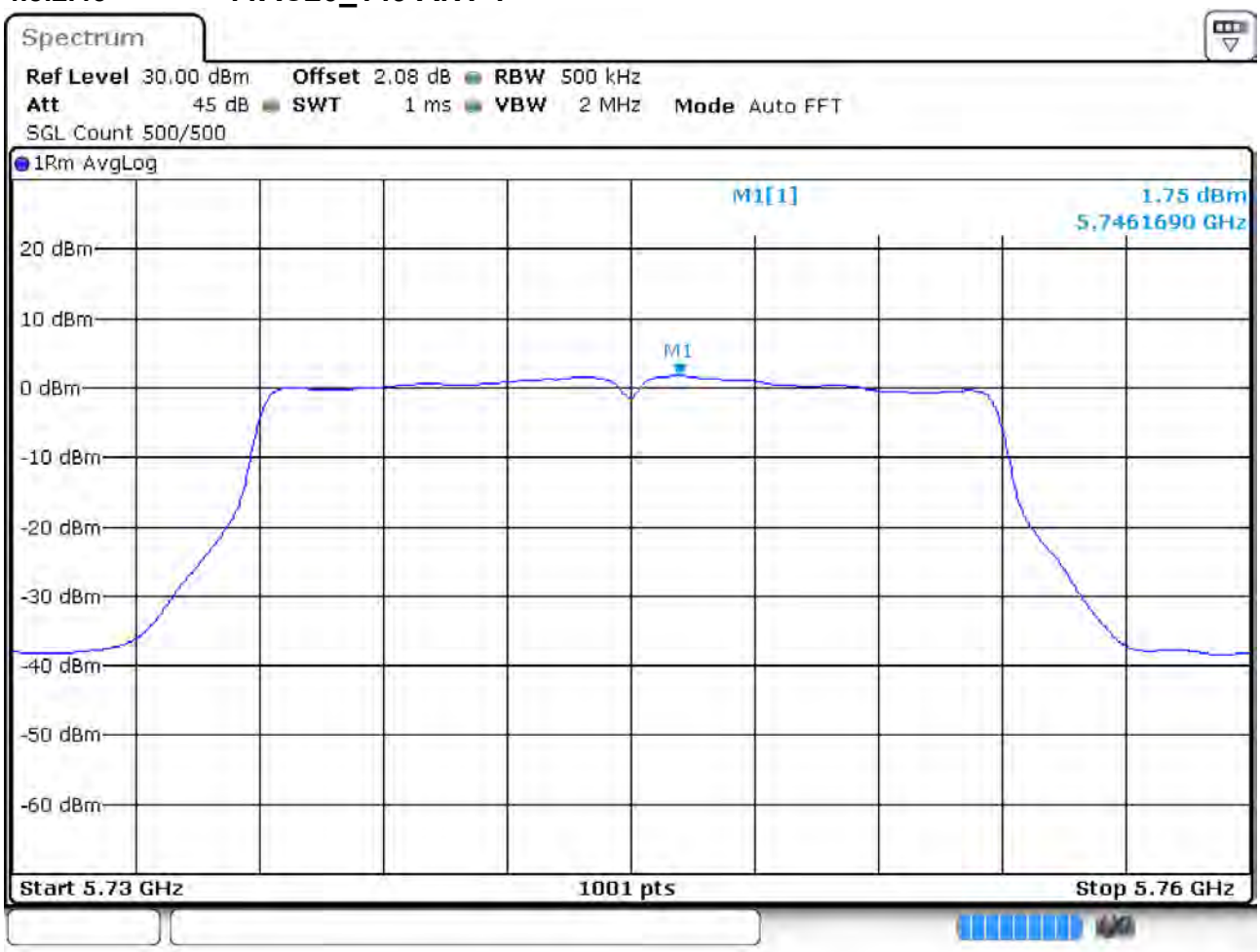


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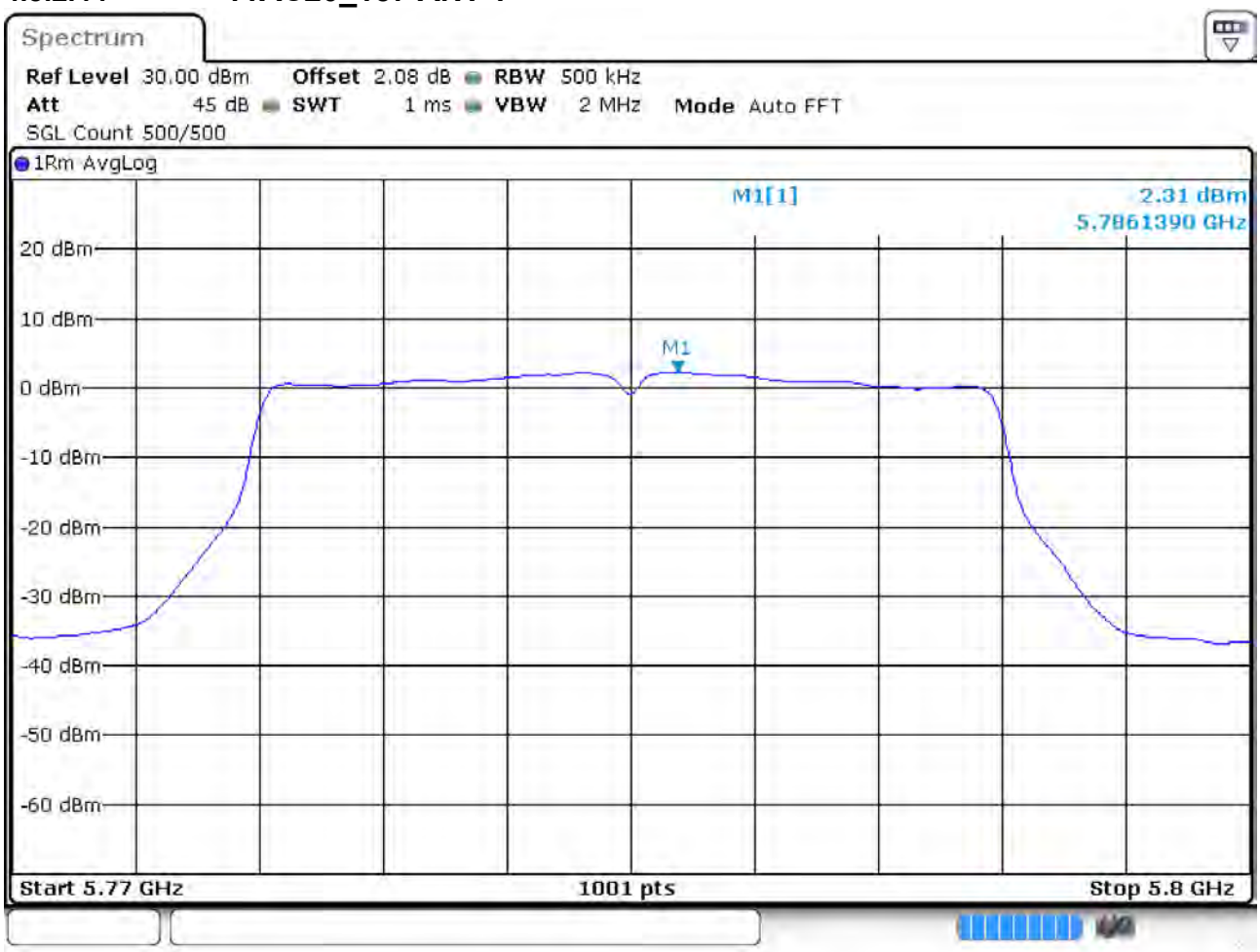


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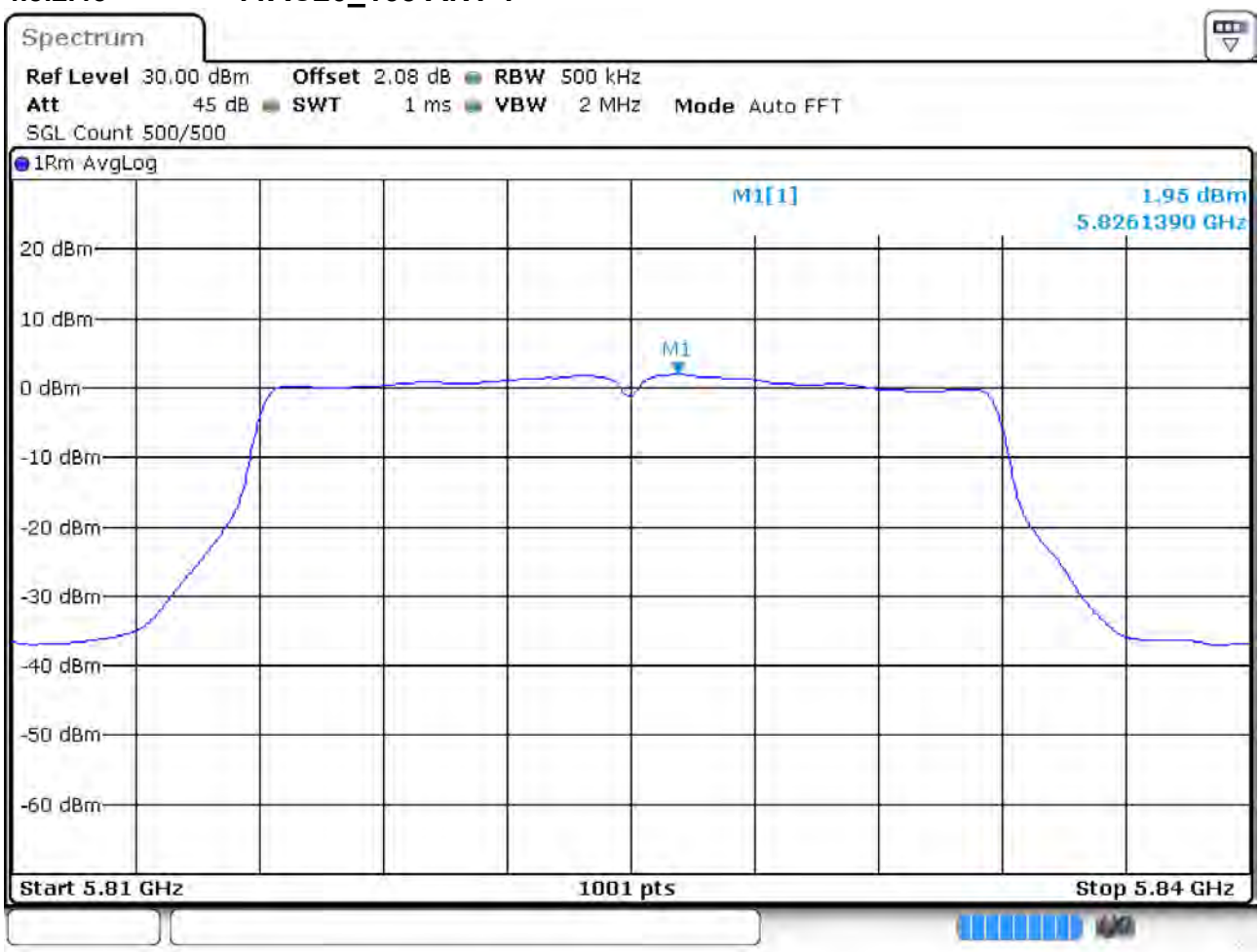


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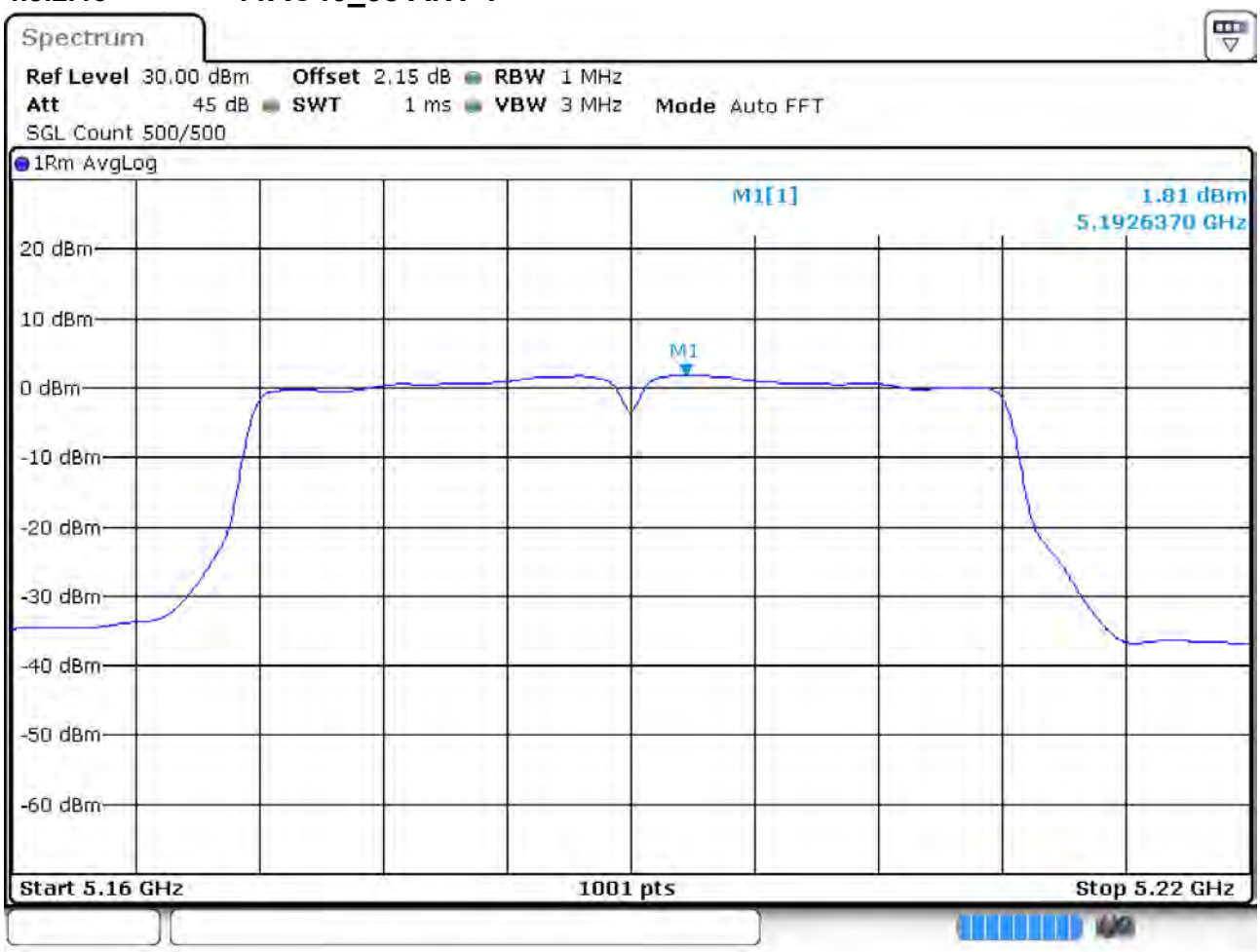


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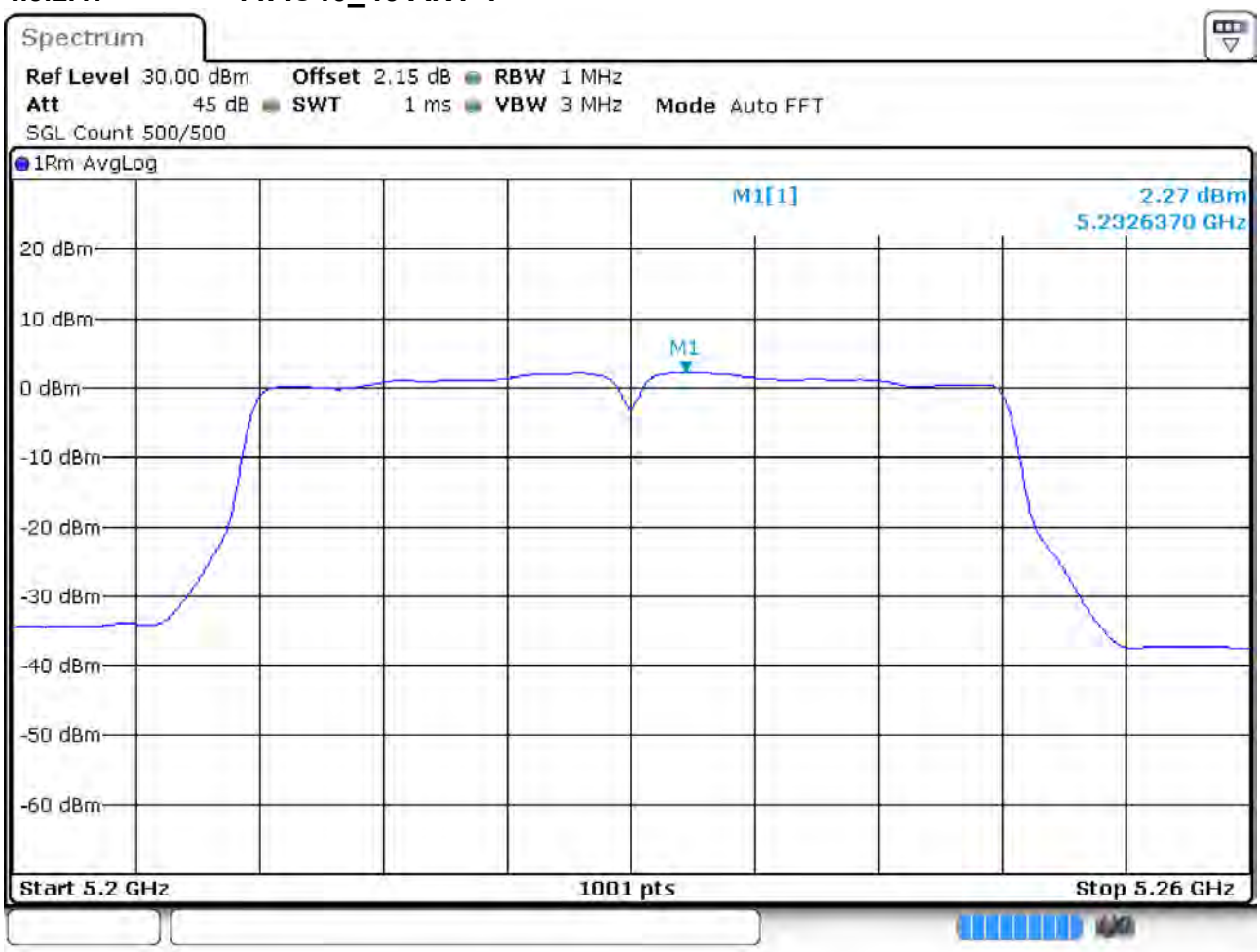


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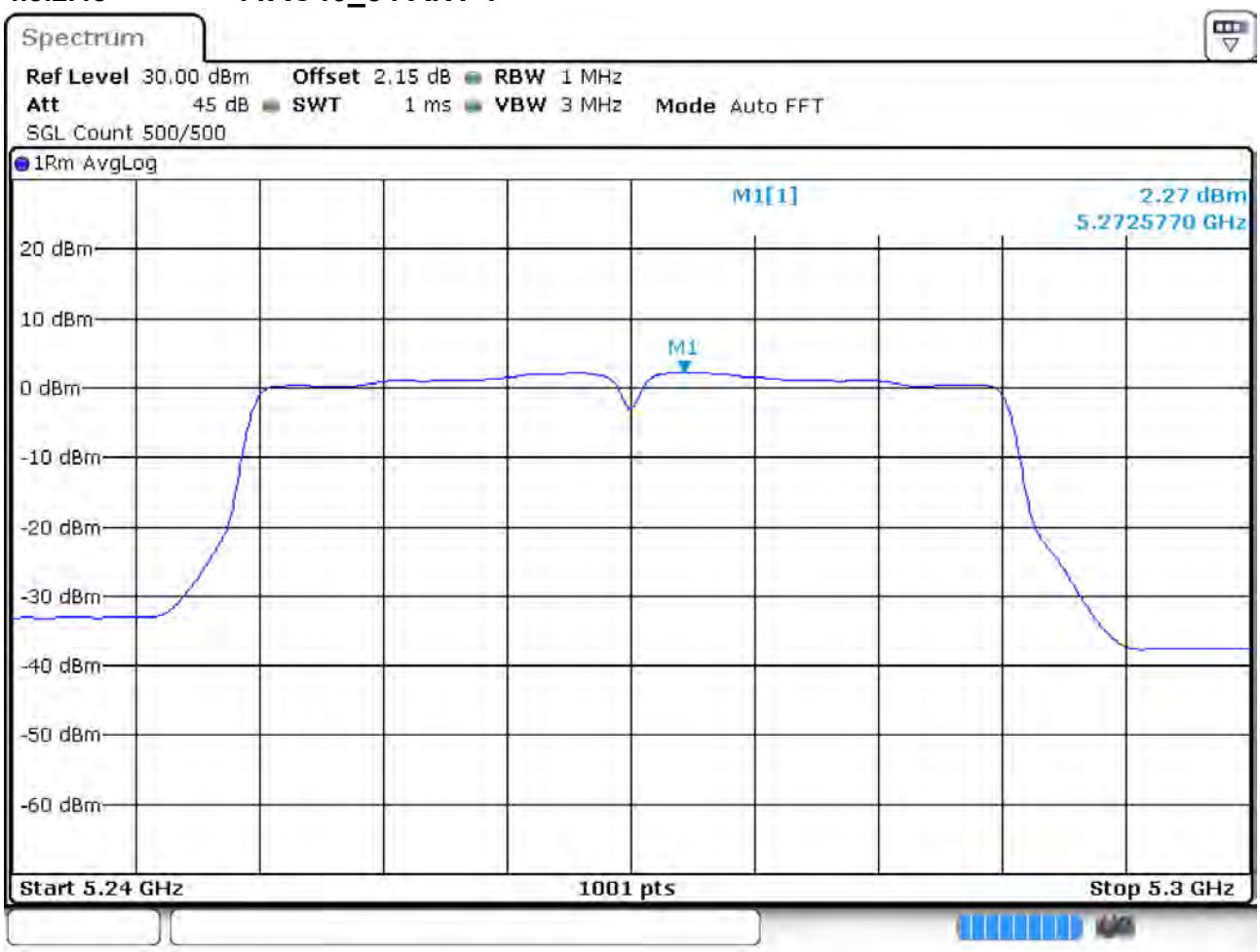


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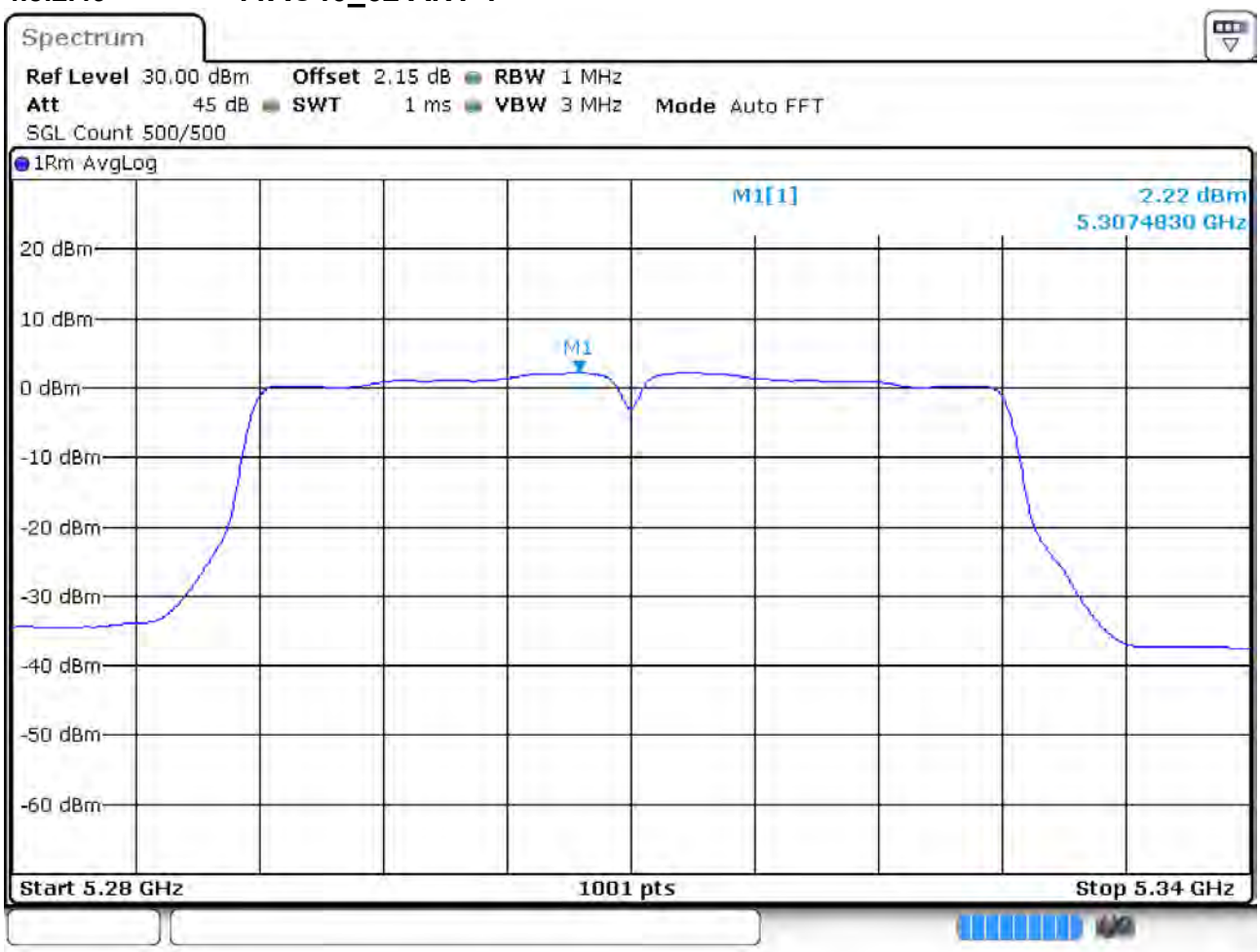


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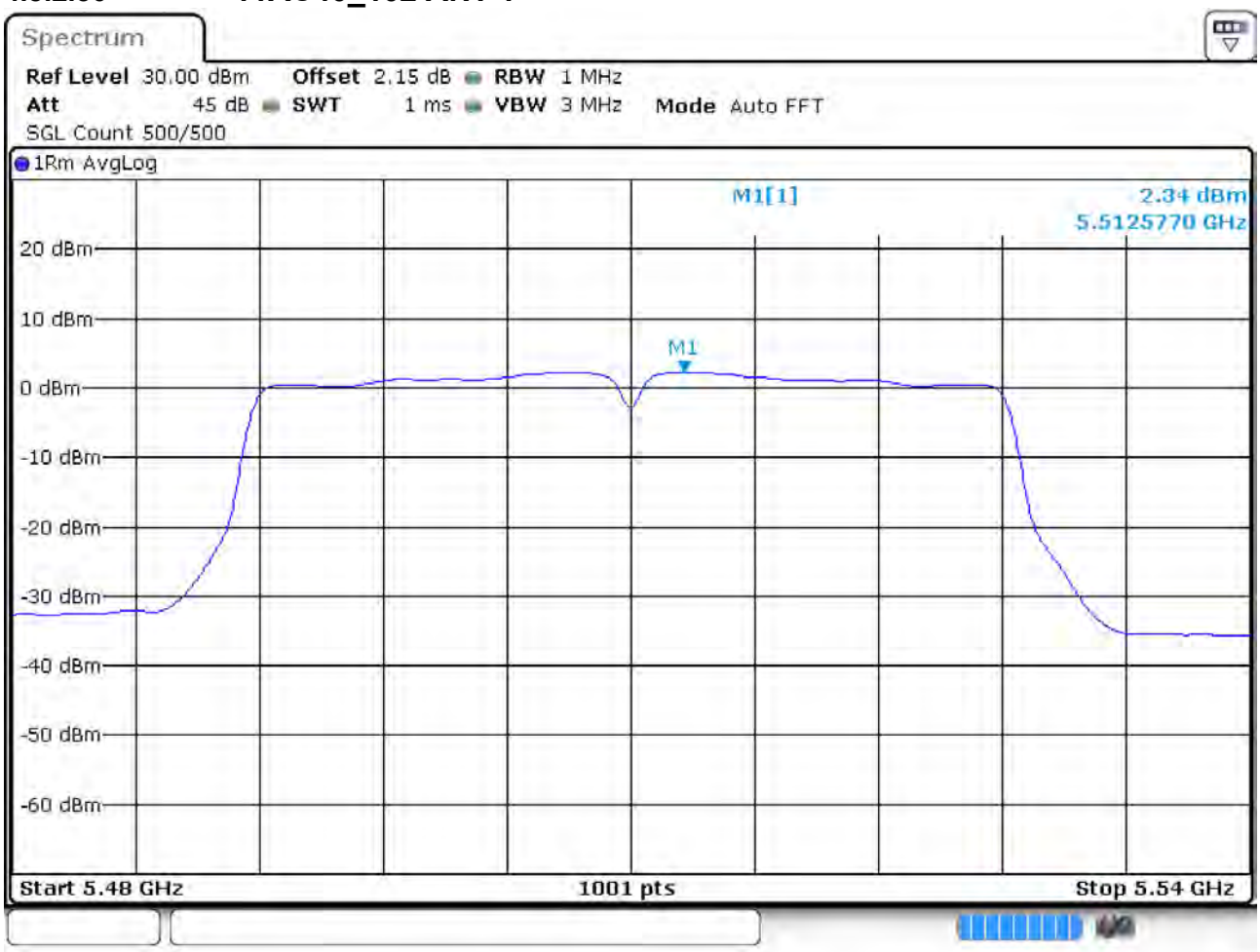


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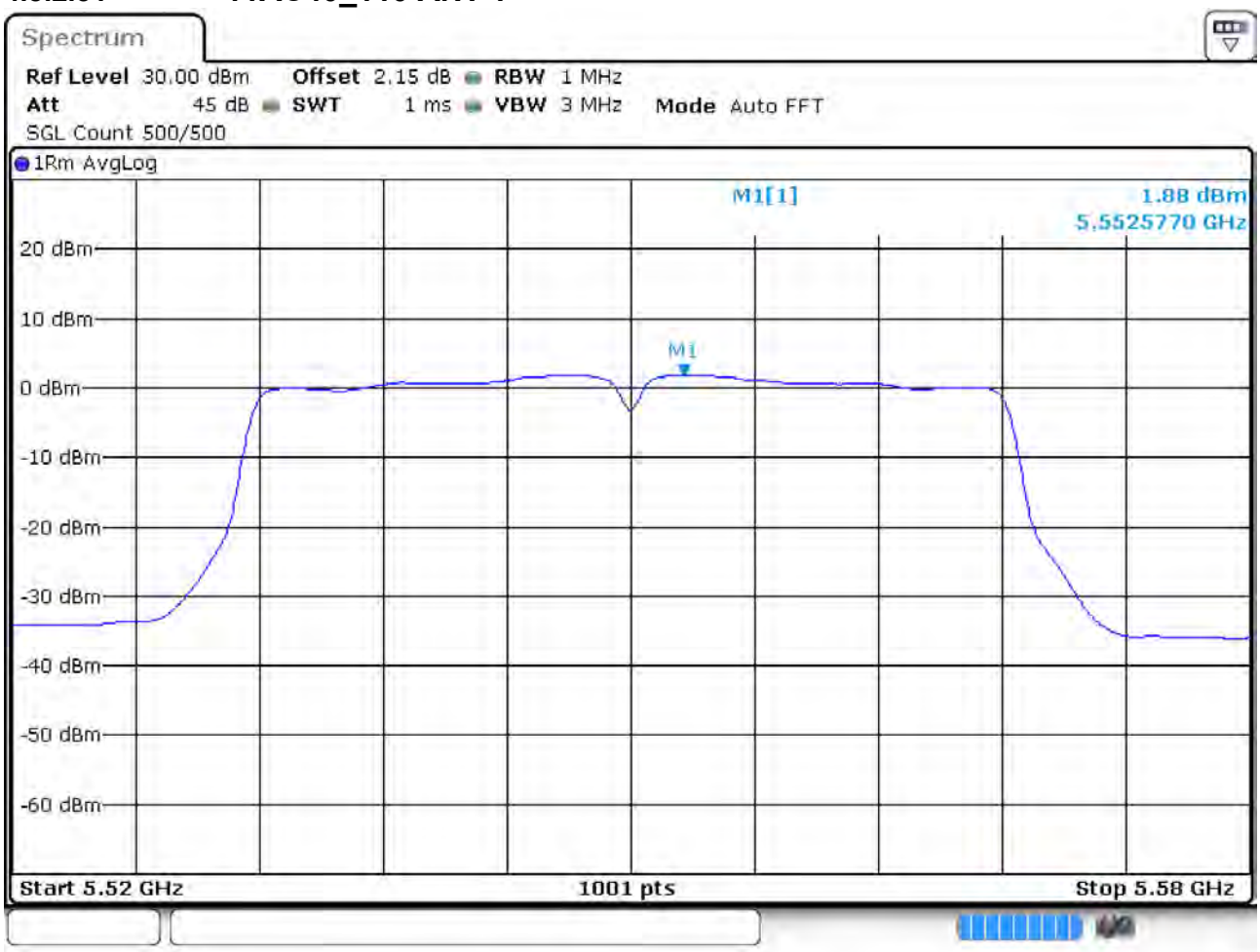


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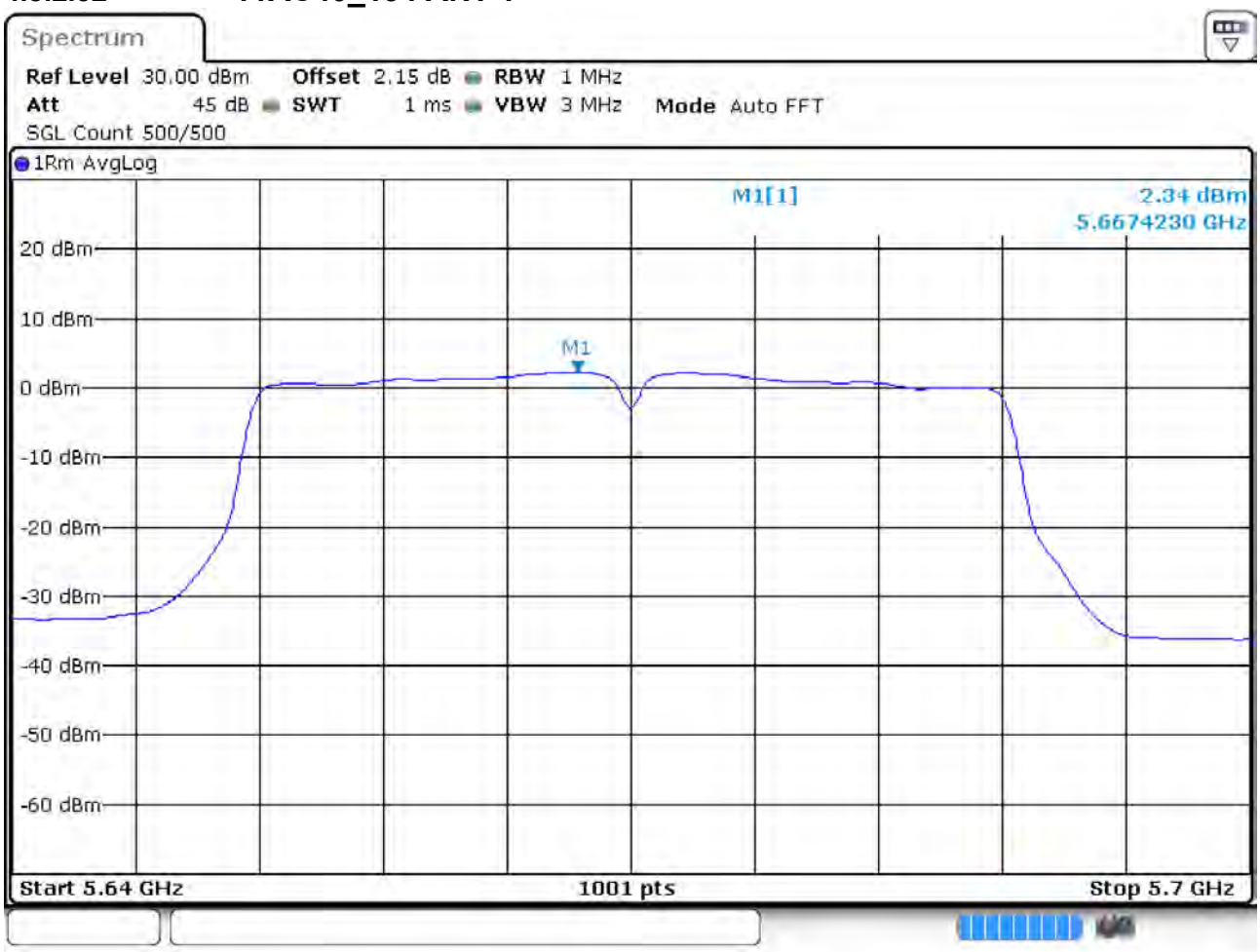


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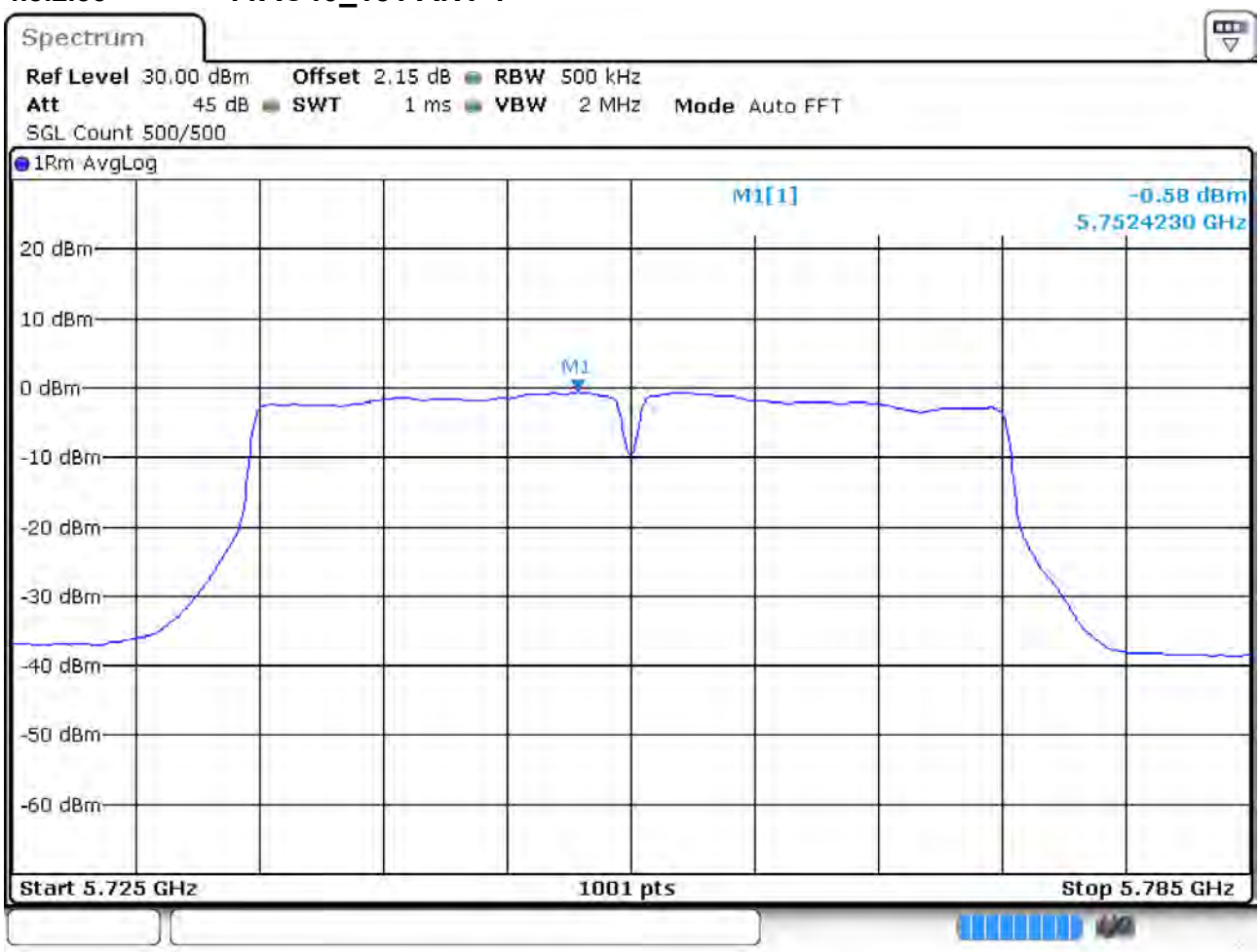


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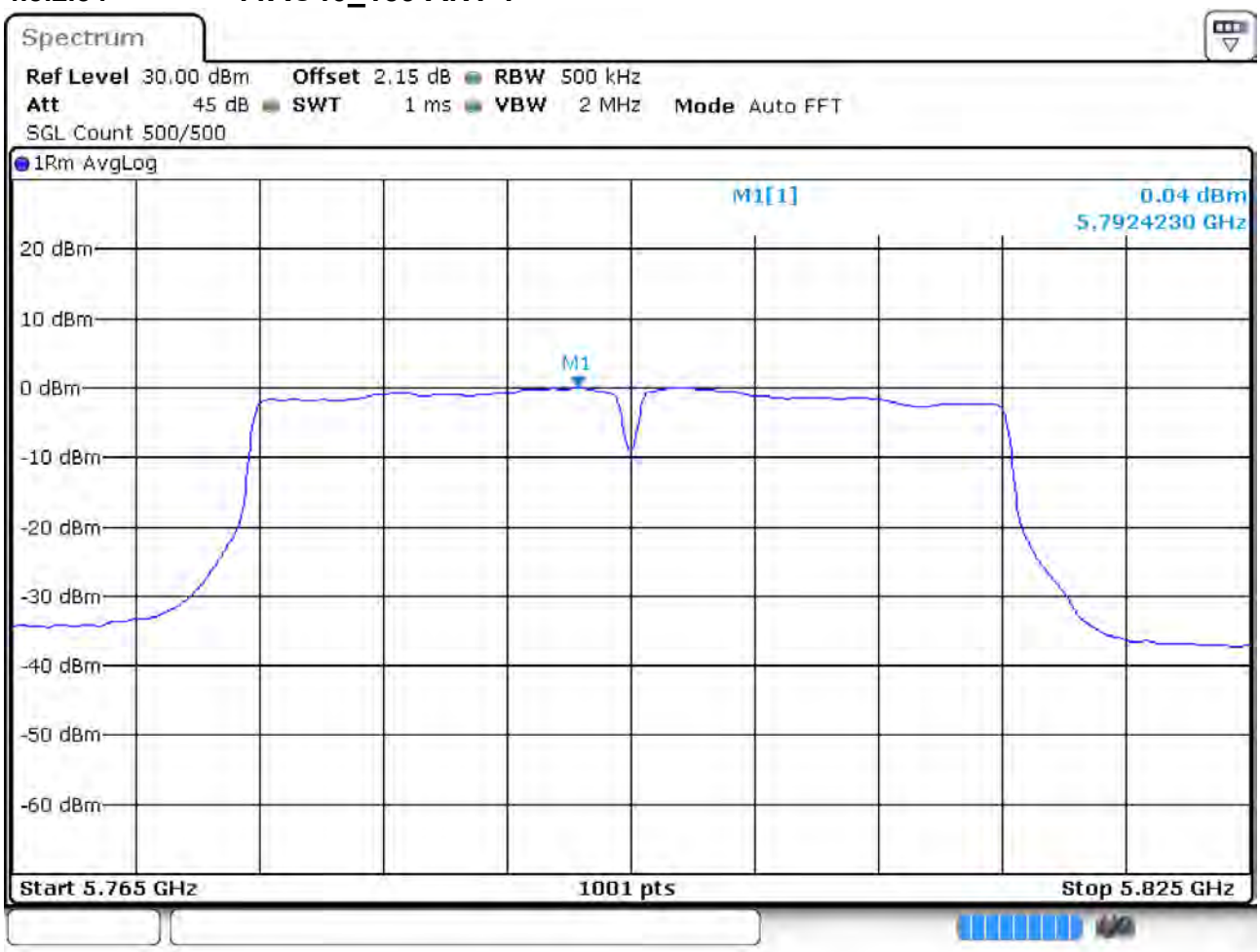


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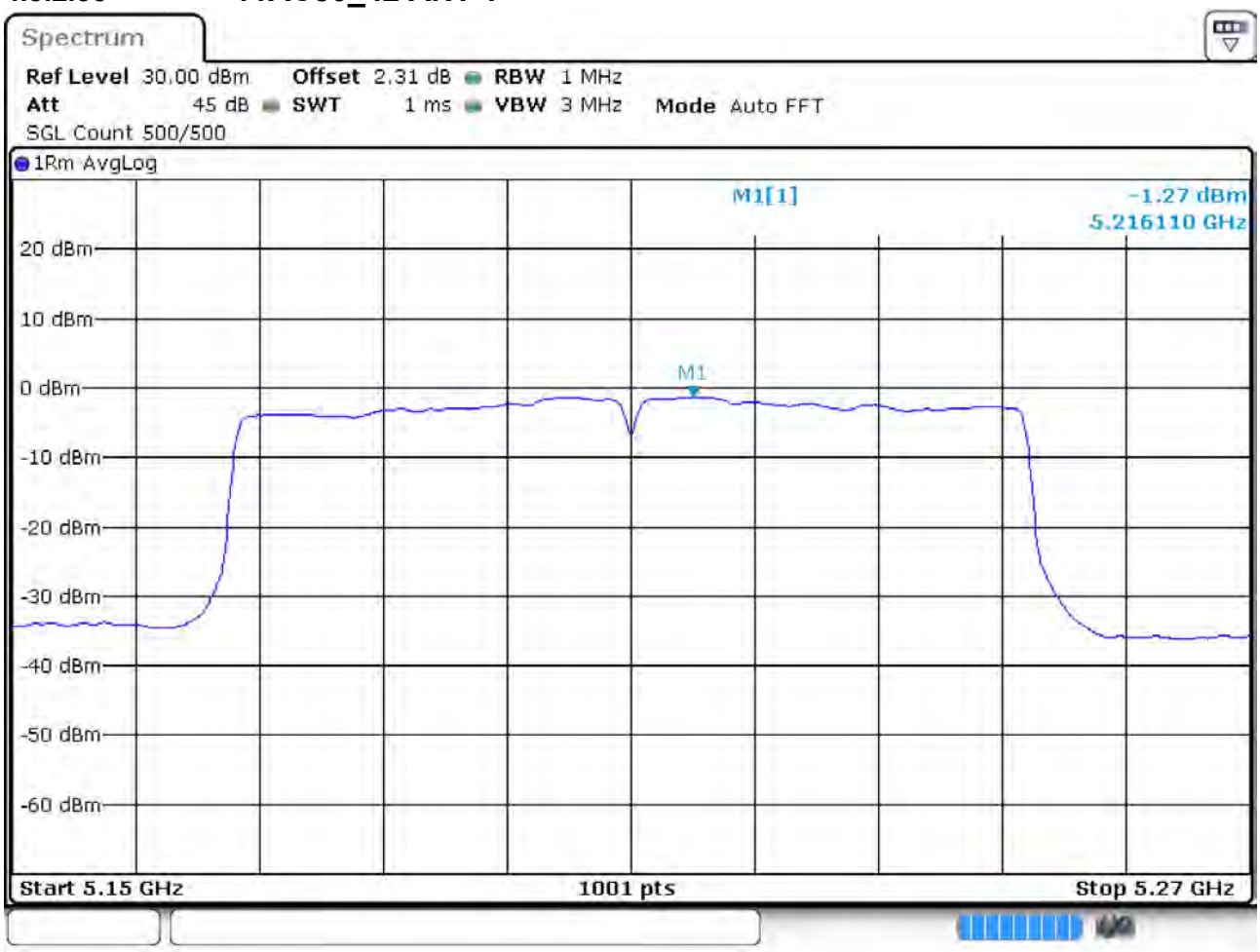


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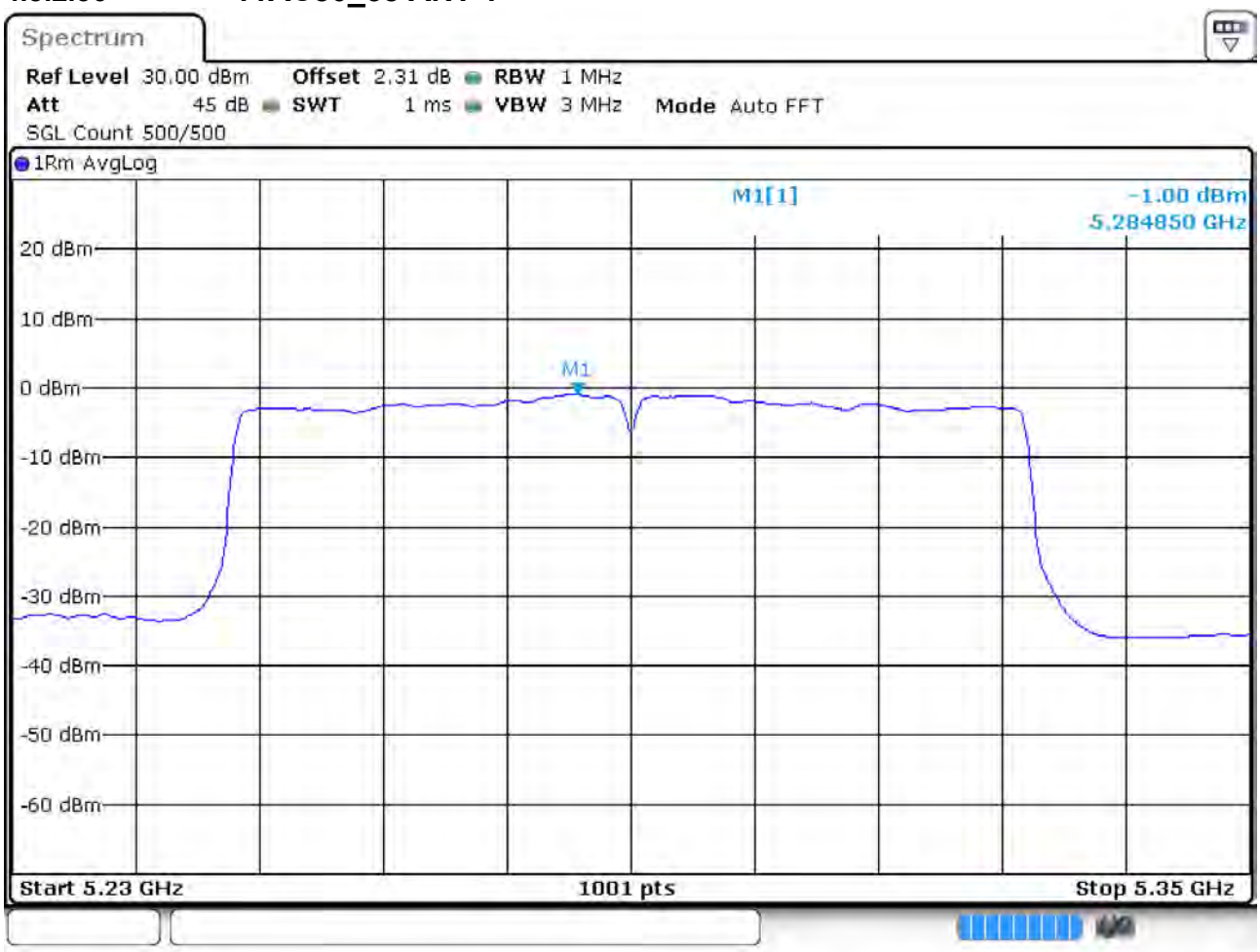


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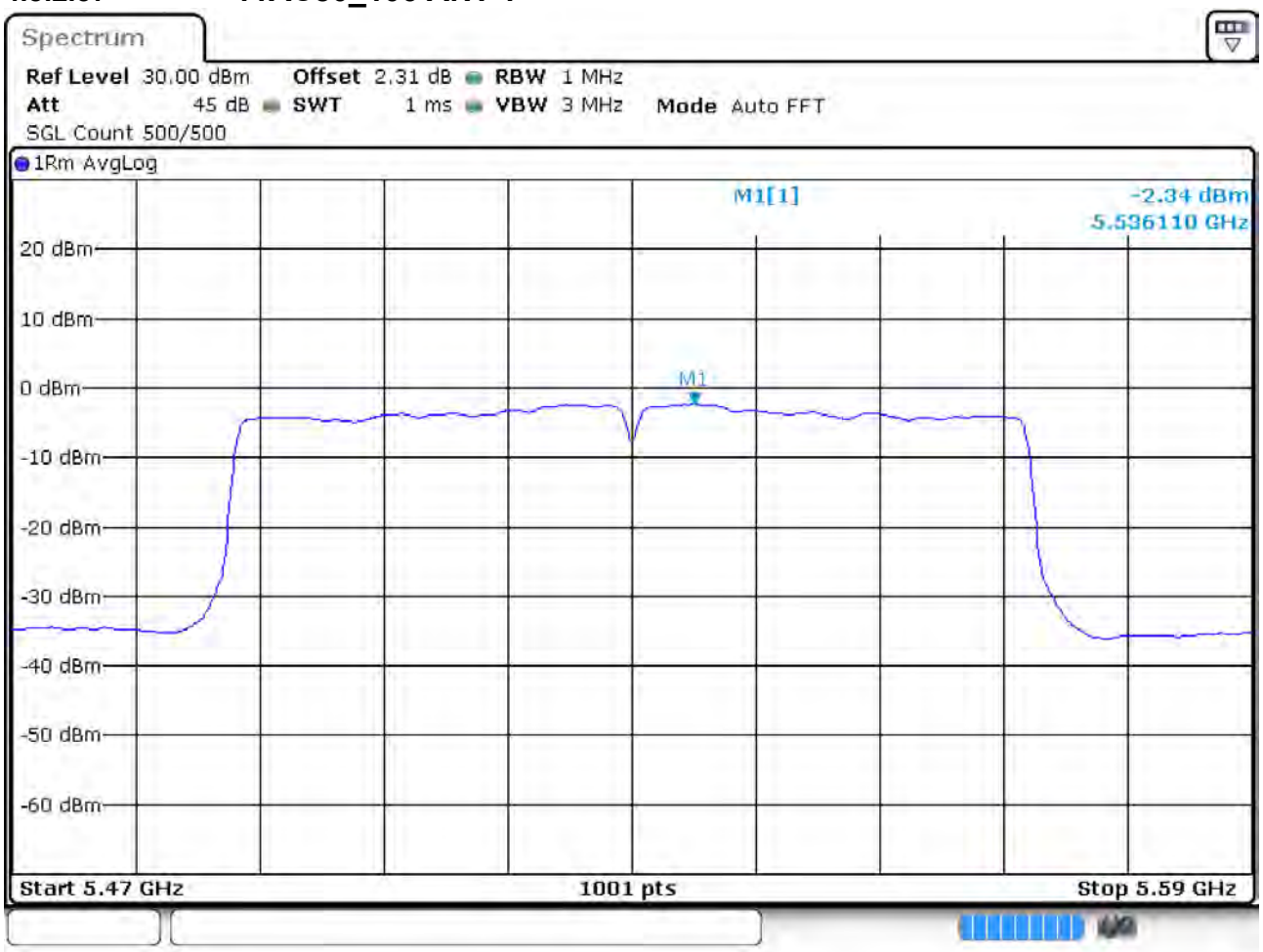


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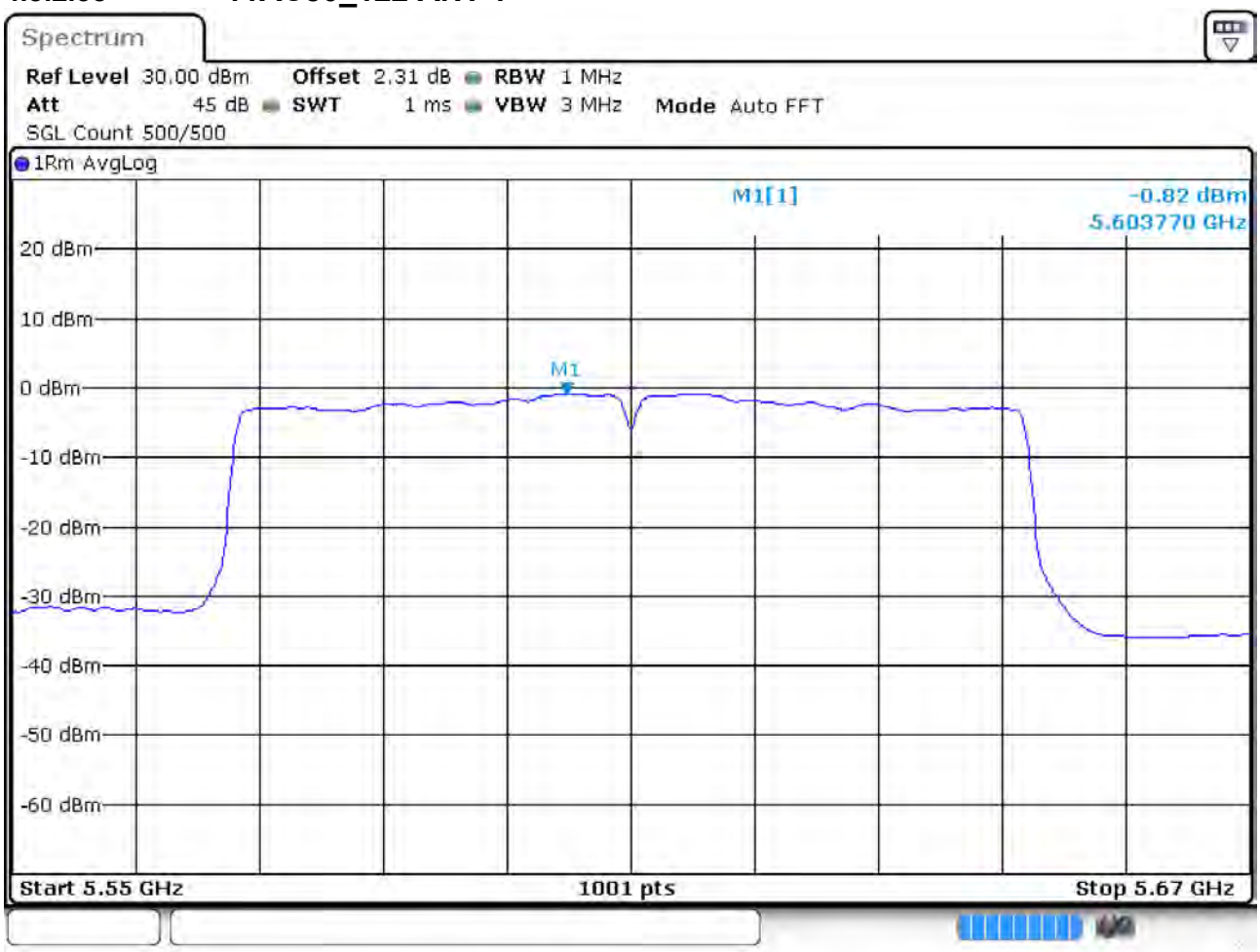


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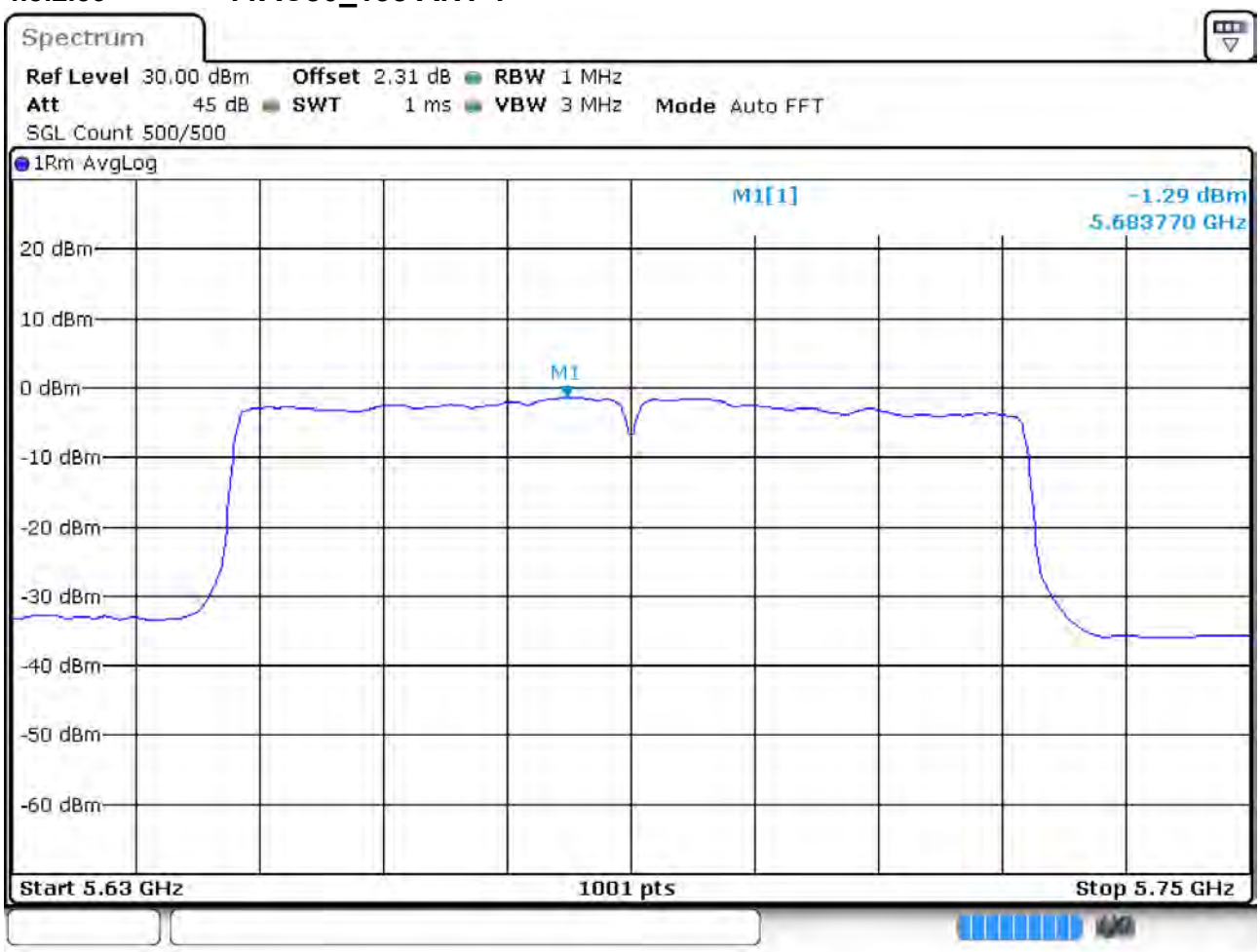


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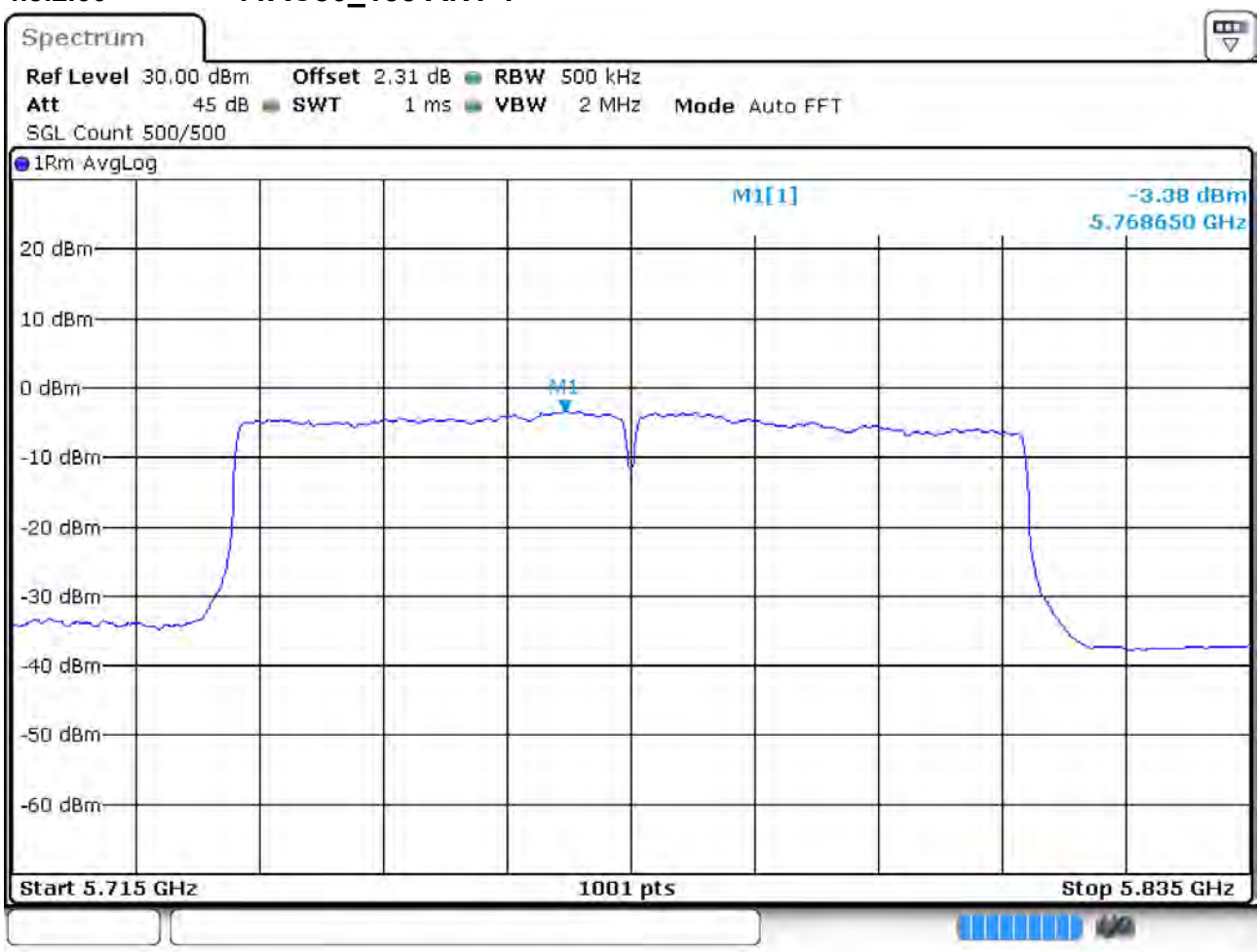
### 4.8.2.60 11AC80_155 ANT 1




Date: 11.SEP.2020 18:19:15

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## 4.9 Radiated Spurious Emissions

| | |
|---|---|
| Test Requirement: | 47 CFR Part 15 Section 15.407(b) |
| Test Method: | ANSI C63.10: 2013 |
| Test Site: | Measurement Distance: 3m or 10m (Semi-Anechoic Chamber) |
| Test Setup: | |

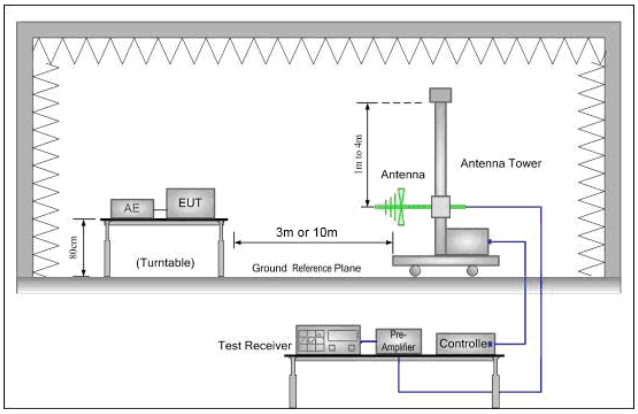


Figure 1. 30MHz to 1GHz

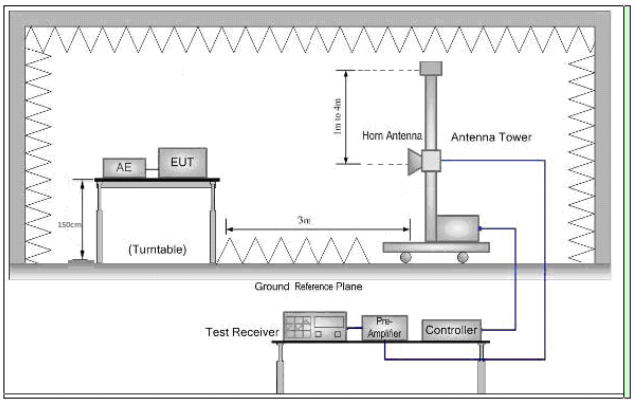


Figure 2. Above 1 GHz

| | |
|---|---|
| Test Procedure: | a. For below 1GHz test, the EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 or 10 meter semi-anechoic camber. The table was rotated 360 degrees to determine the position of the highest radiation.<br>b. For above 1GHz test, 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>c. The EUT was set 3 or 10 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.<br>d. The antenna height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.<br>e. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.<br>f. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.<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. |

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| | |
|---|---|
| | 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 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>For below 1GHz, through Pre-scan, find the 1Mbps of rate of 802.11a at lowest channel is the worst case.<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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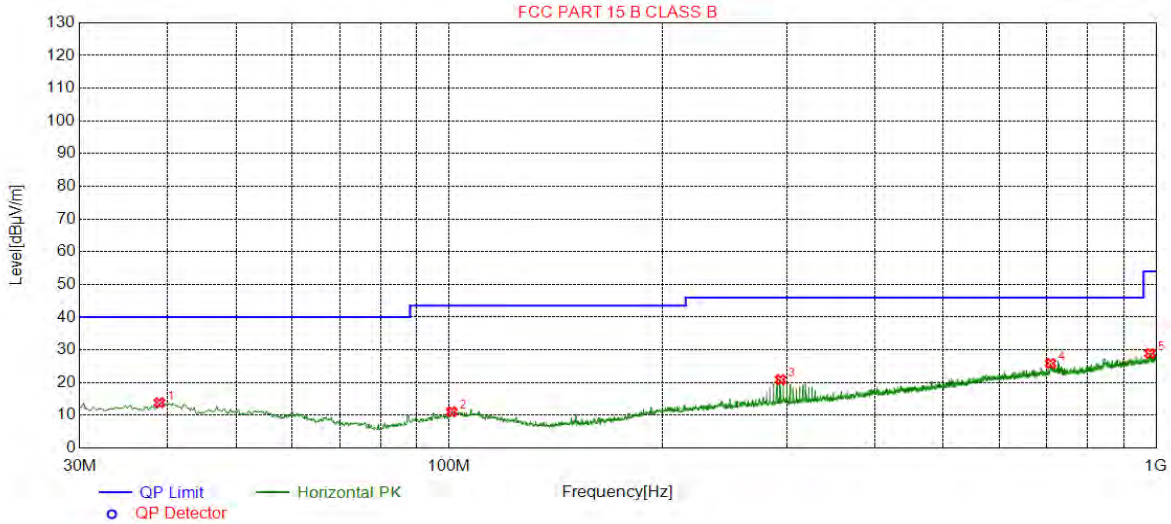
## 4.9.1 Radiated emission below 1GHz

**Test Graph**




**Suspected List**

| Suspected List | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| NO. | Freq. [MHz] | Level [dBµV/m] | Factor [dB] | Limit [dBµV/m] | Margin [dB] | Height [cm] | Angle [°] | Polarity |
| 1 | 38.9258 | 13.83 | -28.69 | 40.00 | 26.17 | 169 | 40 | Horizontal |
| 2 | 100.824 | 11.08 | -32.00 | 43.50 | 32.42 | 228 | 329 | Horizontal |
| 3 | 294.280 | 20.91 | -28.48 | 46.00 | 25.09 | 100 | 271 | Horizontal |
| 4 | 709.329 | 25.87 | -19.29 | 46.00 | 20.13 | 153 | 320 | Horizontal |
| 5 | 980.596 | 28.91 | -15.06 | 54.00 | 25.09 | 143 | 346 | Horizontal |

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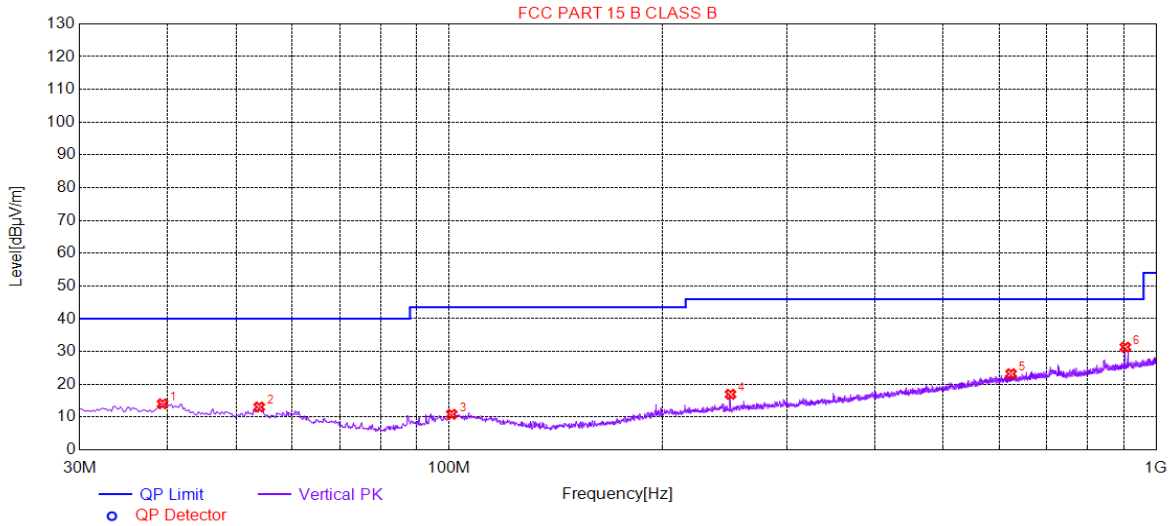
**Test Graph**




**Suspected List**

| Suspected List | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| NO. | Freq. [MHz] | Level [dBμV/m] | Factor [dB] | Limit [dBμV/m] | Margin [dB] | Height [cm] | Angle [°] | Polarity |
| 1 | 39.3139 | 14.05 | -28.56 | 40.00 | 25.95 | 287 | 93 | Vertical |
| 2 | 53.8668 | 13.10 | -30.95 | 40.00 | 26.90 | 227 | 237 | Vertical |
| 3 | 100.824 | 10.86 | -32.00 | 43.50 | 32.64 | 235 | 81 | Vertical |
| 4 | 250.040 | 16.96 | -29.66 | 46.00 | 29.04 | 186 | 184 | Vertical |
| 5 | 623.564 | 23.23 | -20.35 | 46.00 | 22.77 | 172 | 164 | Vertical |
| 6 | 904.726 | 31.36 | -15.98 | 46.00 | 14.64 | 200 | 286 | Vertical |

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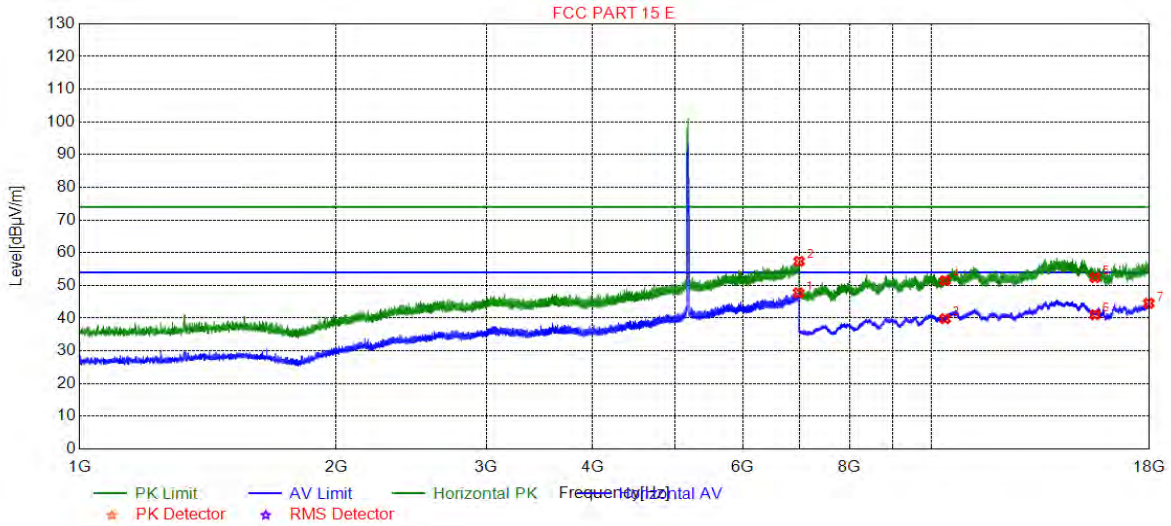
## 4.9.2 Transmitter emission above 1GHz

### 4.9.2.1 802.11A_Channel 36

**Test Graph**




**Suspected List**

| Suspected List | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| NO. | Freq. [MHz] | Level [dBµV/m] | Factor [dB] | Limit [dBµV/m] | Margin [dB] | Height [cm] | Angle [°] | Polarity |
| 1 | 6973.29 | 47.73 | 21.26 | 54.00 | 6.27 | 212 | 0 | Horizontal |
| 2 | 6985.59 | 57.38 | 21.27 | 74.00 | 16.62 | 192 | 43 | Horizontal |
| 3 | 10360.0 | 39.86 | -3.63 | 54.00 | 14.14 | 127 | 219 | Horizontal |
| 4 | 10360.0 | 51.47 | -3.63 | 74.00 | 22.53 | 135 | 169 | Horizontal |
| 5 | 15540.0 | 52.40 | 0.46 | 74.00 | 21.60 | 246 | 118 | Horizontal |
| 6 | 15540.0 | 41.05 | 0.46 | 54.00 | 12.95 | 185 | 270 | Horizontal |
| 7 | 17964.2 | 44.53 | -1.29 | 54.00 | 9.47 | 167 | 68 | Horizontal |

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### 4.9.2.2 802.11A_Channel 36

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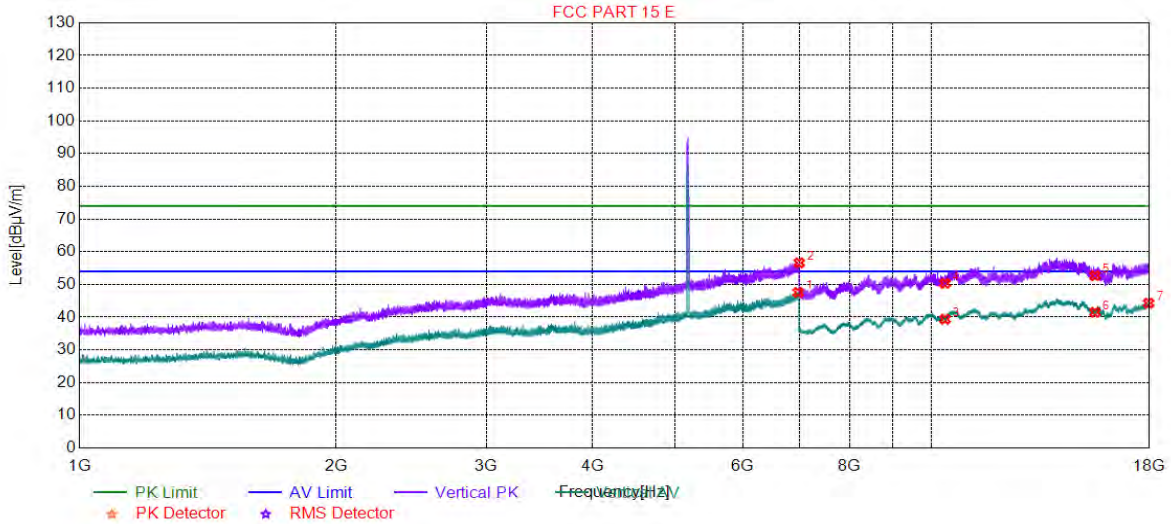


**Suspected List**

| Suspected List | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| NO. | Freq. [MHz] | Level [dBµV/m] | Factor [dB] | Limit [dBµV/m] | Margin [dB] | Height [cm] | Angle [°] | Polarity |
| 1 | 6968.49 | 47.57 | 21.26 | 54.00 | 6.43 | 197 | 68 | Vertical |
| 2 | 6986.49 | 56.62 | 21.27 | 74.00 | 17.38 | 154 | 18 | Vertical |
| 3 | 10360.0 | 39.39 | -3.63 | 54.00 | 14.61 | 285 | 93 | Vertical |
| 4 | 10360.0 | 50.37 | -3.63 | 74.00 | 23.63 | 297 | 43 | Vertical |
| 5 | 15540.0 | 52.71 | 0.46 | 74.00 | 21.29 | 238 | 93 | Vertical |
| 6 | 15540.0 | 41.49 | 0.46 | 54.00 | 12.51 | 163 | 192 | Vertical |
| 7 | 17954.8 | 44.30 | -1.29 | 54.00 | 9.70 | 273 | 291 | Vertical |

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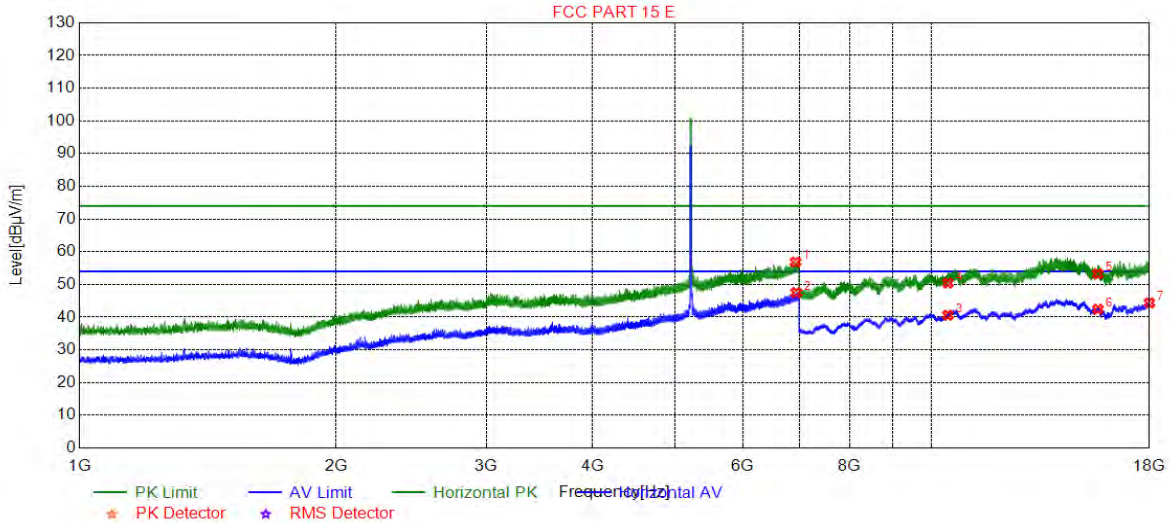
### 4.9.2.3 802.11A_Channel 44

**Test Graph**




**Suspected List**

| Suspected List | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| NO. | Freq. [MHz] | Level [dBµV/m] | Factor [dB] | Limit [dBµV/m] | Margin [dB] | Height [cm] | Angle [°] | Polarity |
| 1 | 6918.99 | 56.88 | 20.98 | 74.00 | 17.12 | 182 | 143 | Horizontal |
| 2 | 6931.89 | 47.53 | 21.09 | 54.00 | 6.47 | 237 | 1 | Horizontal |
| 3 | 10440.0 | 40.61 | -3.24 | 54.00 | 13.39 | 215 | 360 | Horizontal |
| 4 | 10440.0 | 50.42 | -3.24 | 74.00 | 23.58 | 203 | 218 | Horizontal |
| 5 | 15660.0 | 53.25 | 0.43 | 74.00 | 20.75 | 110 | 118 | Horizontal |
| 6 | 15660.0 | 42.41 | 0.43 | 54.00 | 11.59 | 149 | 360 | Horizontal |
| 7 | 17995.0 | 44.39 | -1.28 | 54.00 | 9.61 | 198 | 360 | Horizontal |

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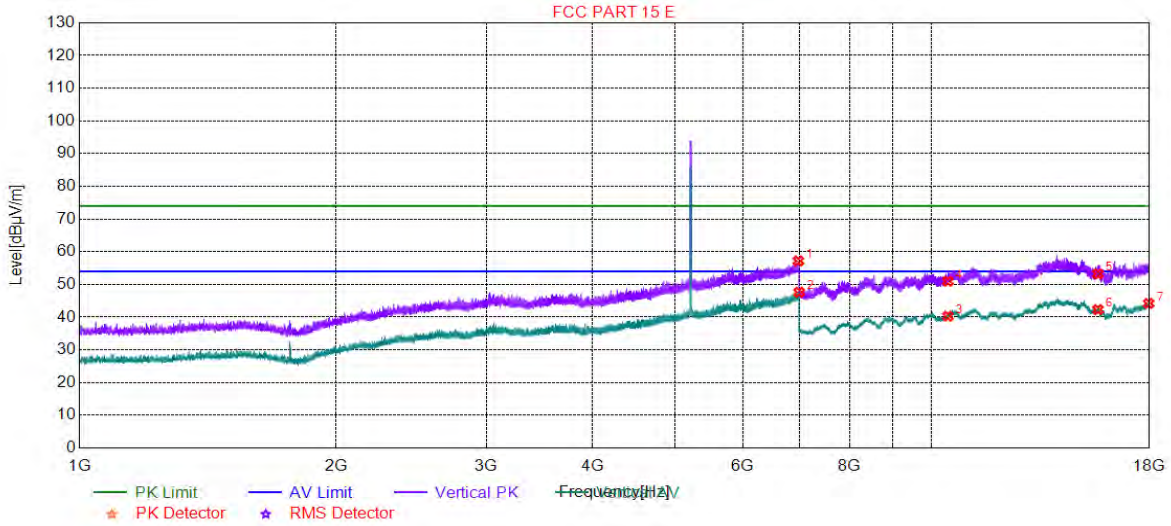
### 4.9.2.4 802.11A_Channel 44

**Test Graph**




**Suspected List**

| Suspected List | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| NO. | Freq. [MHz] | Level [dBµV/m] | Factor [dB] | Limit [dBµV/m] | Margin [dB] | Height [cm] | Angle [°] | Polarity |
| 1 | 6972.69 | 57.19 | 21.26 | 74.00 | 16.81 | 176 | 168 | Vertical |
| 2 | 6986.19 | 47.64 | 21.27 | 54.00 | 6.36 | 252 | 68 | Vertical |
| 3 | 10440.0 | 40.31 | -3.24 | 54.00 | 13.69 | 262 | 41 | Vertical |
| 4 | 10440.0 | 50.98 | -3.24 | 74.00 | 23.02 | 292 | 192 | Vertical |
| 5 | 15660.0 | 53.25 | 0.43 | 74.00 | 20.75 | 151 | 142 | Vertical |
| 6 | 15660.0 | 42.31 | 0.43 | 54.00 | 11.69 | 167 | 91 | Vertical |
| 7 | 17955.4 | 44.21 | -1.29 | 54.00 | 9.79 | 204 | 142 | Vertical |

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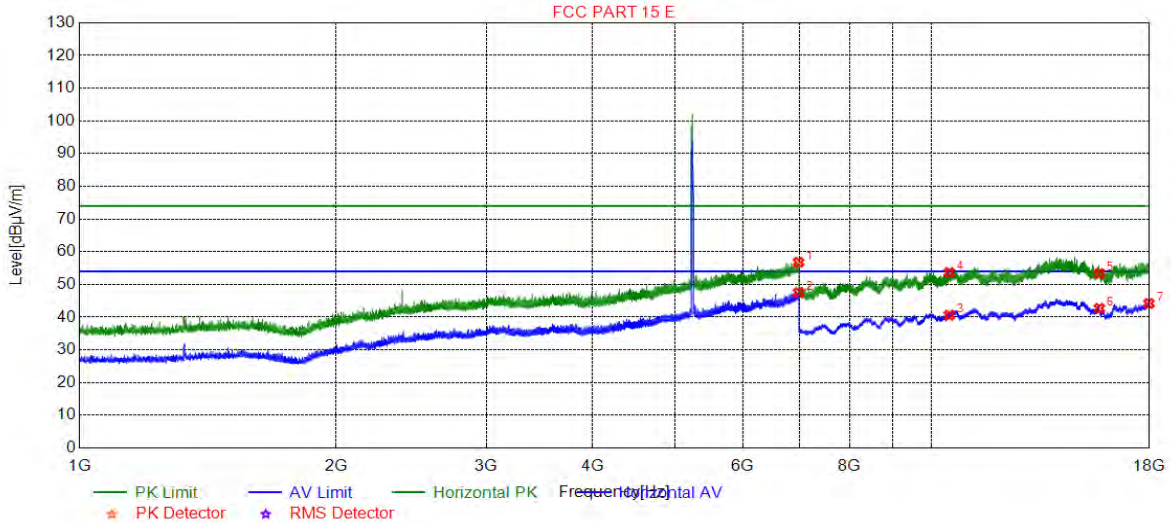
### 4.9.2.5 802.11A_Channel 48

**Test Graph**




**Suspected List**

| Suspected List | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| NO. | Freq. [MHz] | Level [dBµV/m] | Factor [dB] | Limit [dBµV/m] | Margin [dB] | Height [cm] | Angle [°] | Polarity |
| 1 | 6975.99 | 56.77 | 21.26 | 74.00 | 17.23 | 101 | 42 | Horizontal |
| 2 | 6978.39 | 47.53 | 21.26 | 54.00 | 6.47 | 236 | 142 | Horizontal |
| 3 | 10480.0 | 40.59 | -2.94 | 54.00 | 13.41 | 112 | 320 | Horizontal |
| 4 | 10480.0 | 53.65 | -2.94 | 74.00 | 20.35 | 184 | 119 | Horizontal |
| 5 | 15720.0 | 53.32 | 0.29 | 74.00 | 20.68 | 207 | 270 | Horizontal |
| 6 | 15720.0 | 42.71 | 0.29 | 54.00 | 11.29 | 171 | 69 | Horizontal |
| 7 | 17970.2 | 44.20 | -1.29 | 54.00 | 9.80 | 178 | 169 | Horizontal |

**Final Data List**

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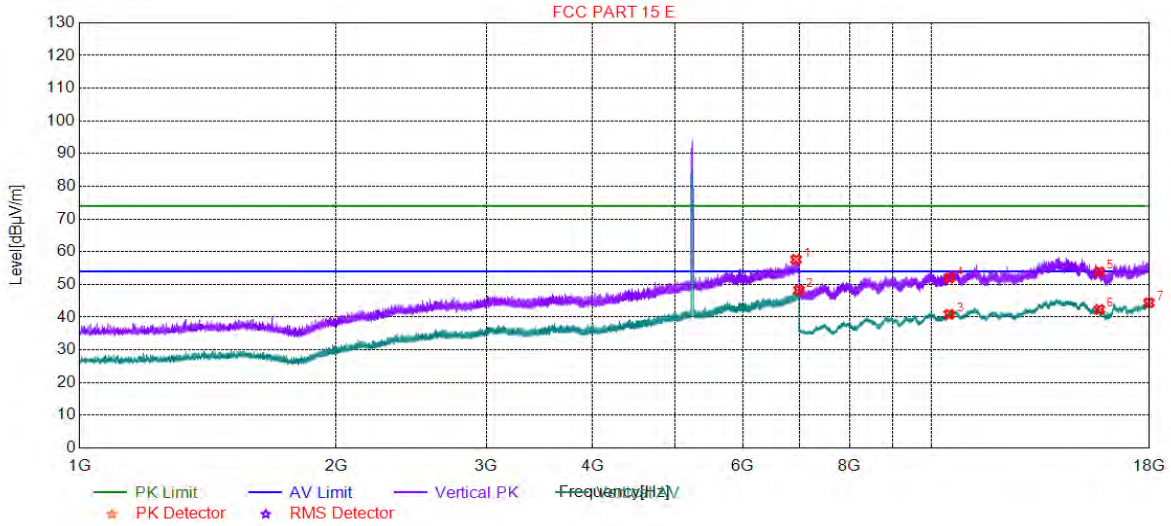
### 4.9.2.6 802.11A_Channel 48

**Test Graph**




**Suspected List**

| Suspected List | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| NO. | Freq. [MHz] | Level [dBµV/m] | Factor [dB] | Limit [dBµV/m] | Margin [dB] | Height [cm] | Angle [°] | Polarity |
| 1 | 6927.99 | 57.64 | 21.06 | 74.00 | 16.36 | 192 | 68 | Vertical |
| 2 | 6981.69 | 48.26 | 21.26 | 54.00 | 5.74 | 199 | 18 | Vertical |
| 3 | 10480.0 | 40.86 | -2.94 | 54.00 | 13.14 | 178 | 342 | Vertical |
| 4 | 10480.0 | 51.97 | -2.94 | 74.00 | 22.03 | 213 | 42 | Vertical |
| 5 | 15720.0 | 53.85 | 0.29 | 74.00 | 20.15 | 230 | 92 | Vertical |
| 6 | 15720.0 | 42.35 | 0.29 | 54.00 | 11.65 | 168 | 42 | Vertical |
| 7 | 17969.1 | 44.41 | -1.29 | 54.00 | 9.59 | 225 | 142 | Vertical |

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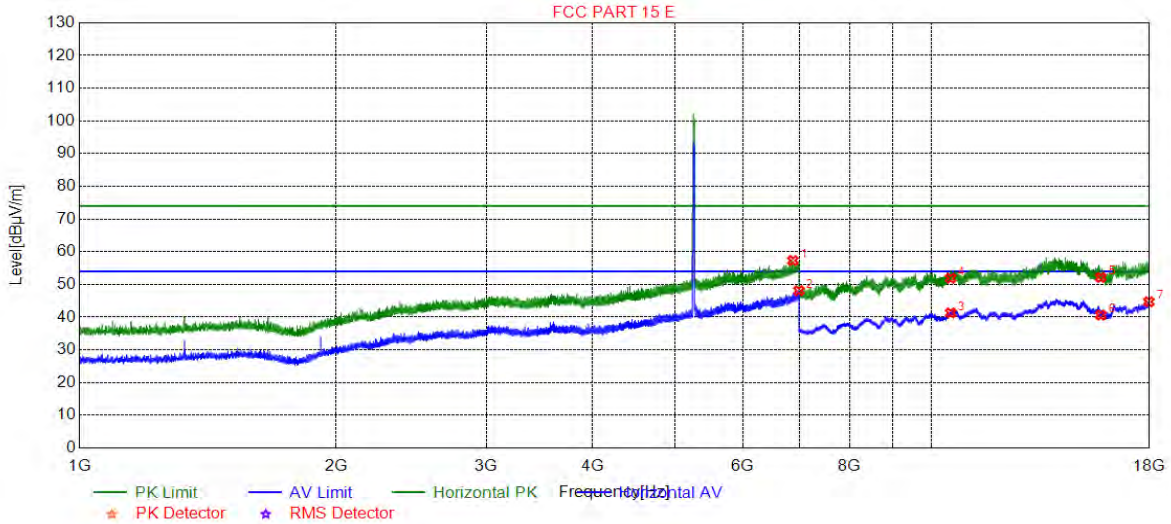
### 4.9.2.7 802.11A_Channel 52

**Test Graph**




**Suspected List**

| Suspected List | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| NO. | Freq. [MHz] | Level [dBµV/m] | Factor [dB] | Limit [dBµV/m] | Margin [dB] | Height [cm] | Angle [°] | Polarity |
| 1 | 6870.09 | 57.33 | 20.85 | 74.00 | 16.67 | 170 | 242 | Horizontal |
| 2 | 6982.59 | 48.10 | 21.26 | 54.00 | 5.90 | 157 | 42 | Horizontal |
| 3 | 10520.0 | 41.30 | -2.80 | 54.00 | 12.70 | 167 | 270 | Horizontal |
| 4 | 10520.0 | 51.89 | -2.80 | 74.00 | 22.11 | 221 | 169 | Horizontal |
| 5 | 15780.0 | 52.15 | -0.72 | 74.00 | 21.85 | 171 | 18 | Horizontal |
| 6 | 15780.0 | 40.65 | -0.72 | 54.00 | 13.35 | 168 | 360 | Horizontal |
| 7 | 17972.4 | 44.72 | -1.29 | 54.00 | 9.28 | 196 | 320 | Horizontal |

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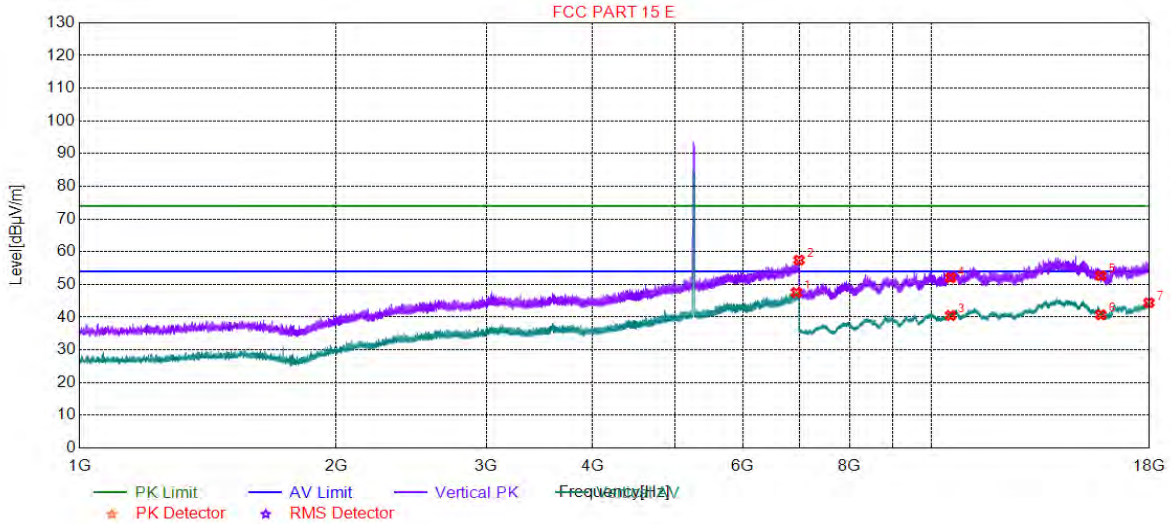
### 4.9.2.8 802.11A_Channel 52

**Test Graph**




**Suspected List**

| Suspected List | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| NO. | Freq. [MHz] | Level [dBµV/m] | Factor [dB] | Limit [dBµV/m] | Margin [dB] | Height [cm] | Angle [°] | Polarity |
| 1 | 6934.29 | 47.57 | 21.12 | 54.00 | 6.43 | 174 | 169 | Vertical |
| 2 | 6984.39 | 57.45 | 21.27 | 74.00 | 16.55 | 280 | 360 | Vertical |
| 3 | 10520.0 | 40.51 | -2.80 | 54.00 | 13.49 | 234 | 141 | Vertical |
| 4 | 10520.0 | 52.02 | -2.80 | 74.00 | 21.98 | 264 | 141 | Vertical |
| 5 | 15780.0 | 52.68 | -0.72 | 74.00 | 21.32 | 183 | 292 | Vertical |
| 6 | 15780.0 | 40.74 | -0.72 | 54.00 | 13.26 | 271 | 242 | Vertical |
| 7 | 17970.2 | 44.40 | -1.29 | 54.00 | 9.60 | 176 | 342 | Vertical |

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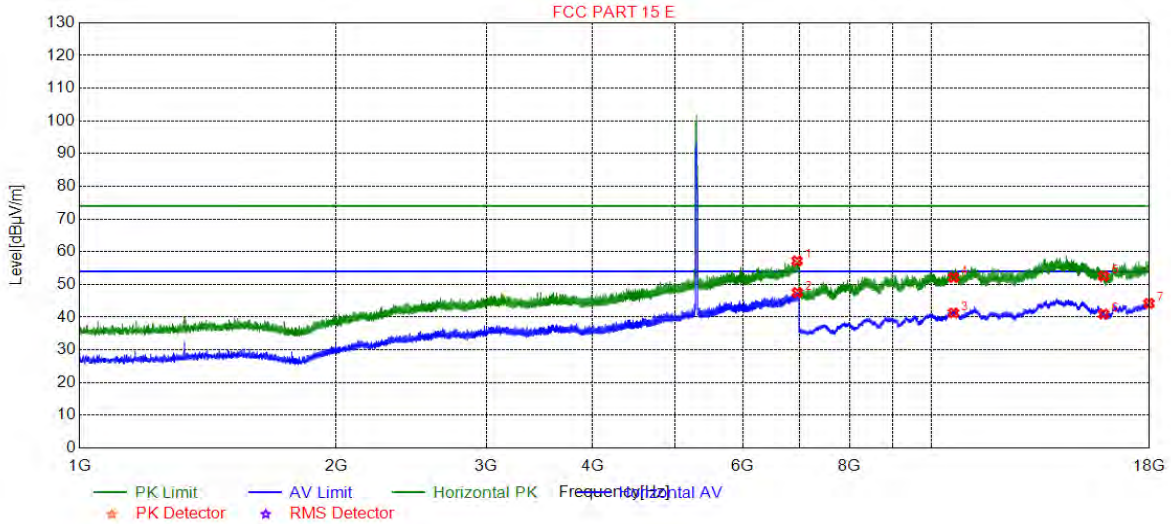
### 4.9.2.9 802.11A_Channel 60

**Test Graph**




**Suspected List**

| Suspected List | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| NO. | Freq. [MHz] | Level [dBµV/m] | Factor [dB] | Limit [dBµV/m] | Margin [dB] | Height [cm] | Angle [°] | Polarity |
| 1 | 6945.39 | 57.20 | 21.21 | 74.00 | 16.80 | 208 | 342 | Horizontal |
| 2 | 6950.79 | 47.55 | 21.26 | 54.00 | 6.45 | 142 | 0 | Horizontal |
| 3 | 10600.0 | 41.28 | -2.86 | 54.00 | 12.72 | 135 | 68 | Horizontal |
| 4 | 10600.0 | 52.10 | -2.86 | 74.00 | 21.90 | 149 | 68 | Horizontal |
| 5 | 15900.0 | 52.56 | -0.52 | 74.00 | 21.44 | 191 | 360 | Horizontal |
| 6 | 15900.0 | 40.96 | -0.52 | 54.00 | 13.04 | 215 | 18 | Horizontal |
| 7 | 17972.4 | 44.19 | -1.29 | 54.00 | 9.81 | 207 | 168 | Horizontal |

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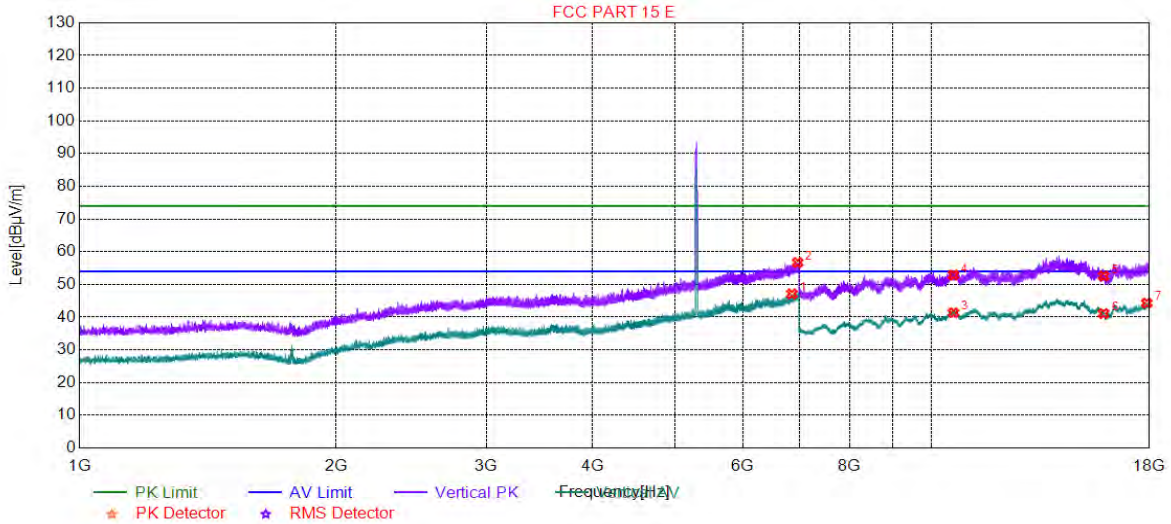
### 4.9.2.10 802.11A_Channel 60

**Test Graph**




**Suspected List**

| Suspected List | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| NO. | Freq. [MHz] | Level [dBµV/m] | Factor [dB] | Limit [dBµV/m] | Margin [dB] | Height [cm] | Angle [°] | Polarity |
| 1 | 6852.09 | 47.12 | 20.88 | 54.00 | 6.88 | 248 | 167 | Vertical |
| 2 | 6957.99 | 56.70 | 21.26 | 74.00 | 17.30 | 241 | 18 | Vertical |
| 3 | 10600.0 | 41.35 | -2.86 | 54.00 | 12.65 | 229 | 91 | Vertical |
| 4 | 10600.0 | 52.89 | -2.86 | 74.00 | 21.11 | 236 | 242 | Vertical |
| 5 | 15900.0 | 52.57 | -0.52 | 74.00 | 21.43 | 191 | 142 | Vertical |
| 6 | 15900.0 | 41.10 | -0.52 | 54.00 | 12.90 | 290 | 0 | Vertical |
| 7 | 17869.0 | 44.33 | -1.72 | 54.00 | 9.67 | 238 | 91 | Vertical |

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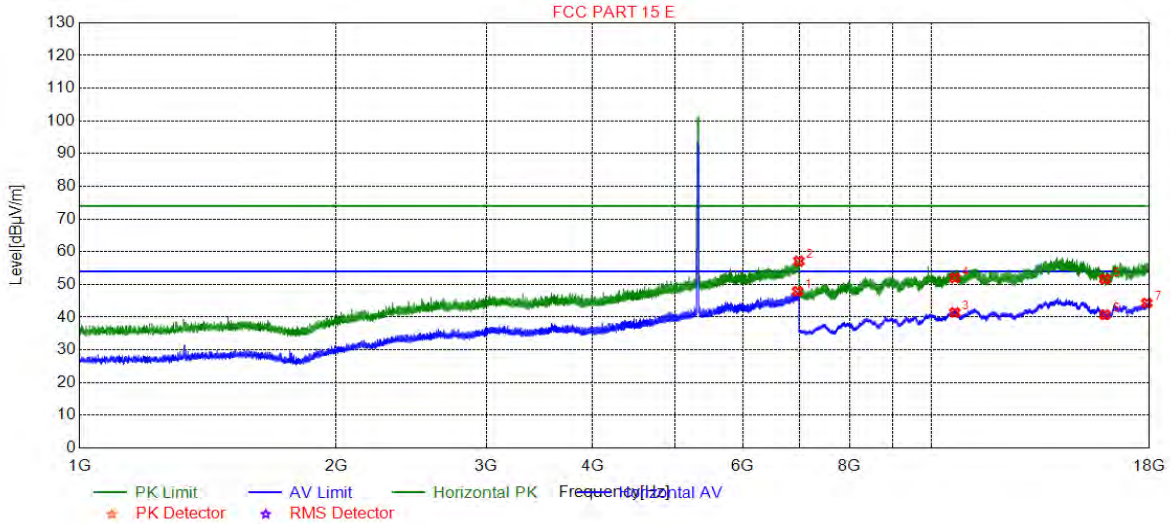
## 4.9.2.11 802.11A_Channel 64

**Test Graph**




**Suspected List**

| Suspected List | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| NO. | Freq. [MHz] | Level [dBµV/m] | Factor [dB] | Limit [dBµV/m] | Margin [dB] | Height [cm] | Angle [°] | Polarity |
| 1 | 6957.69 | 47.90 | 21.26 | 54.00 | 6.10 | 130 | 292 | Horizontal |
| 2 | 6981.39 | 57.14 | 21.26 | 74.00 | 16.86 | 177 | 292 | Horizontal |
| 3 | 10640.0 | 41.42 | -2.84 | 54.00 | 12.58 | 112 | 318 | Horizontal |
| 4 | 10640.0 | 51.99 | -2.84 | 74.00 | 22.01 | 235 | 219 | Horizontal |
| 5 | 15960.0 | 51.63 | -1.22 | 74.00 | 22.37 | 164 | 18 | Horizontal |
| 6 | 15960.0 | 40.76 | -1.22 | 54.00 | 13.24 | 184 | 68 | Horizontal |
| 7 | 17871.8 | 44.33 | -1.68 | 54.00 | 9.67 | 114 | 219 | Horizontal |

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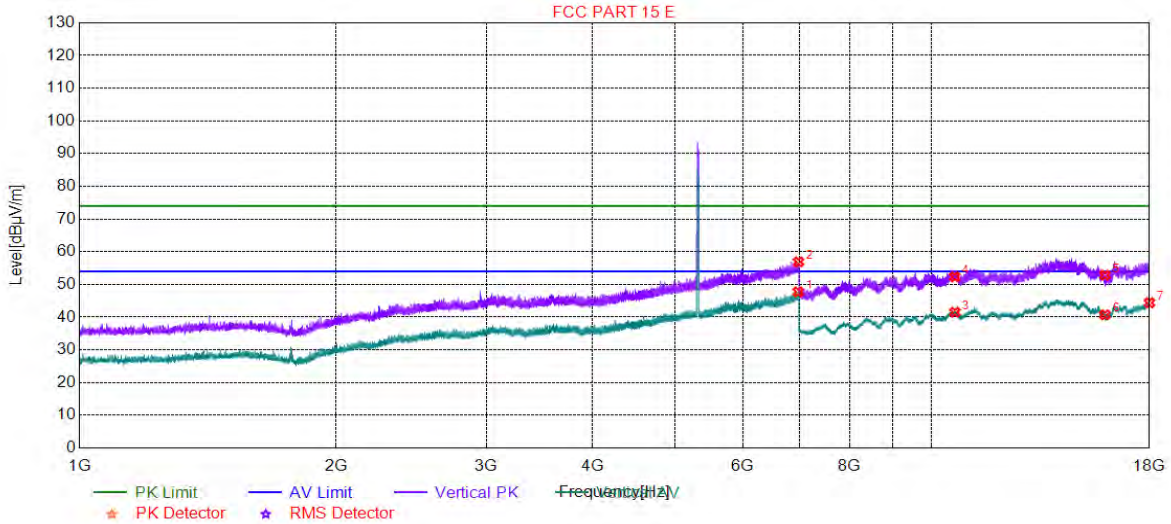
## 4.9.2.12 802.11A_Channel 64

**Test Graph**




**Suspected List**

| Suspected List | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| NO. | Freq. [MHz] | Level [dBµV/m] | Factor [dB] | Limit [dBµV/m] | Margin [dB] | Height [cm] | Angle [°] | Polarity |
| 1 | 6970.29 | 47.74 | 21.26 | 54.00 | 6.26 | 252 | 68 | Vertical |
| 2 | 6974.19 | 56.91 | 21.26 | 74.00 | 17.09 | 249 | 68 | Vertical |
| 3 | 10640.0 | 41.53 | -2.84 | 54.00 | 12.47 | 170 | 141 | Vertical |
| 4 | 10640.0 | 52.33 | -2.84 | 74.00 | 21.67 | 172 | 41 | Vertical |
| 5 | 15960.0 | 52.86 | -1.22 | 74.00 | 21.14 | 188 | 191 | Vertical |
| 6 | 15960.0 | 40.74 | -1.22 | 54.00 | 13.26 | 272 | 0 | Vertical |
| 7 | 17997.2 | 44.43 | -1.28 | 54.00 | 9.57 | 153 | 91 | Vertical |

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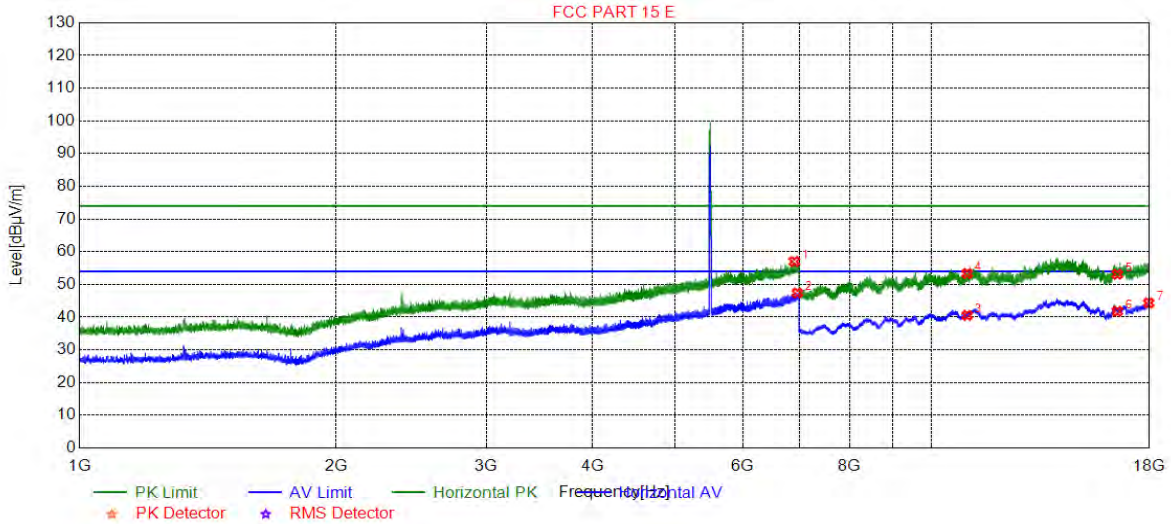
## 4.9.2.13 802.11A_Channel 100

**Test Graph**




**Suspected List**

| Suspected List | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| NO. | Freq. [MHz] | Level [dBµV/m] | Factor [dB] | Limit [dBµV/m] | Margin [dB] | Height [cm] | Angle [°] | Polarity |
| 1 | 6895.29 | 57.03 | 20.82 | 74.00 | 16.97 | 120 | 142 | Horizontal |
| 2 | 6952.59 | 47.41 | 21.26 | 54.00 | 6.59 | 165 | 292 | Horizontal |
| 3 | 11000.0 | 40.56 | -2.17 | 54.00 | 13.44 | 178 | 168 | Horizontal |
| 4 | 11000.0 | 53.37 | -2.17 | 74.00 | 20.63 | 163 | 118 | Horizontal |
| 5 | 16500.0 | 53.12 | -1.16 | 74.00 | 20.88 | 205 | 268 | Horizontal |
| 6 | 16500.0 | 41.78 | -1.16 | 54.00 | 12.22 | 229 | 218 | Horizontal |
| 7 | 17963.6 | 44.35 | -1.29 | 54.00 | 9.65 | 234 | 168 | Horizontal |

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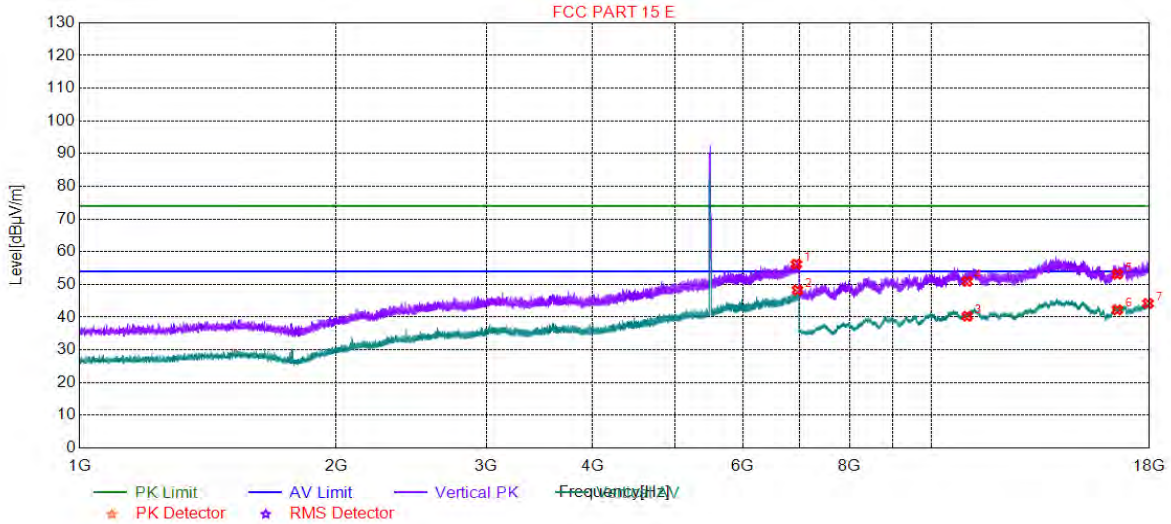
### 4.9.2.14 802.11A_Channel 100

**Test Graph**




**Suspected List**

| Suspected List | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| NO. | Freq. [MHz] | Level [dBµV/m] | Factor [dB] | Limit [dBµV/m] | Margin [dB] | Height [cm] | Angle [°] | Polarity |
| 1 | 6934.29 | 56.21 | 21.12 | 74.00 | 17.79 | 263 | 18 | Vertical |
| 2 | 6953.79 | 48.28 | 21.26 | 54.00 | 5.72 | 251 | 18 | Vertical |
| 3 | 11000.0 | 40.28 | -2.17 | 54.00 | 13.72 | 162 | 140 | Vertical |
| 4 | 11000.0 | 50.93 | -2.17 | 74.00 | 23.07 | 241 | 140 | Vertical |
| 5 | 16500.0 | 53.12 | -1.16 | 74.00 | 20.88 | 234 | 241 | Vertical |
| 6 | 16500.0 | 42.25 | -1.16 | 54.00 | 11.75 | 174 | 291 | Vertical |
| 7 | 17926.2 | 44.19 | -1.30 | 54.00 | 9.81 | 200 | 241 | Vertical |

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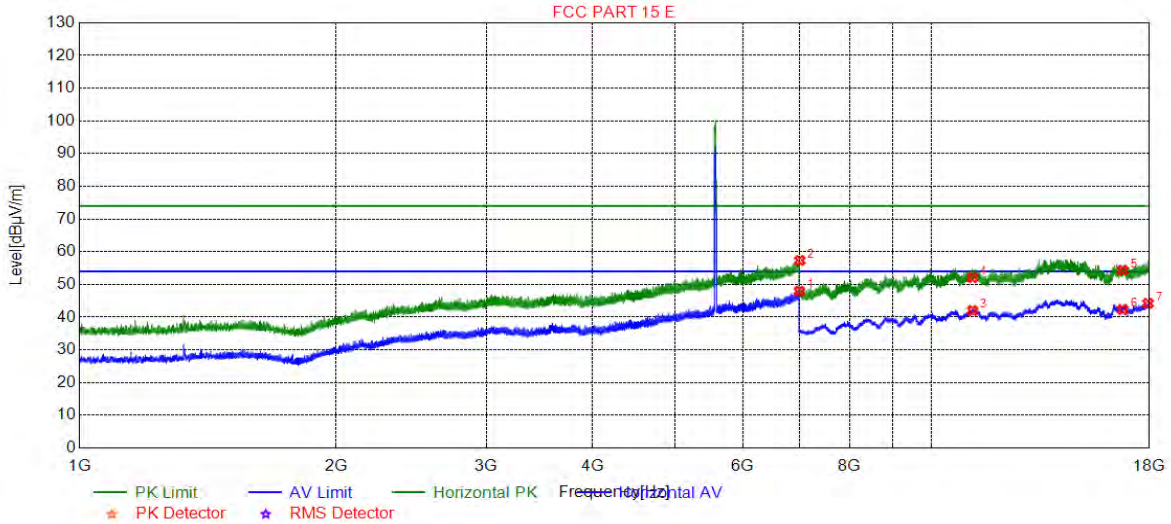
## 4.9.2.15 802.11A_Channel 116

**Test Graph**




**Suspected List**

| Suspected List | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| NO. | Freq. [MHz] | Level [dBµV/m] | Factor [dB] | Limit [dBµV/m] | Margin [dB] | Height [cm] | Angle [°] | Polarity |
| 1 | 6990.69 | 47.97 | 21.27 | 54.00 | 6.03 | 133 | 0 | Horizontal |
| 2 | 6998.79 | 57.33 | 21.27 | 74.00 | 16.67 | 165 | 0 | Horizontal |
| 3 | 11160.0 | 42.02 | -2.32 | 54.00 | 11.98 | 103 | 318 | Horizontal |
| 4 | 11160.0 | 52.09 | -2.32 | 74.00 | 21.91 | 117 | 318 | Horizontal |
| 5 | 16740.0 | 54.38 | -0.79 | 74.00 | 19.62 | 198 | 68 | Horizontal |
| 6 | 16740.0 | 42.32 | -0.79 | 54.00 | 11.68 | 112 | 18 | Horizontal |
| 7 | 17924.6 | 44.21 | -1.30 | 54.00 | 9.79 | 206 | 118 | Horizontal |

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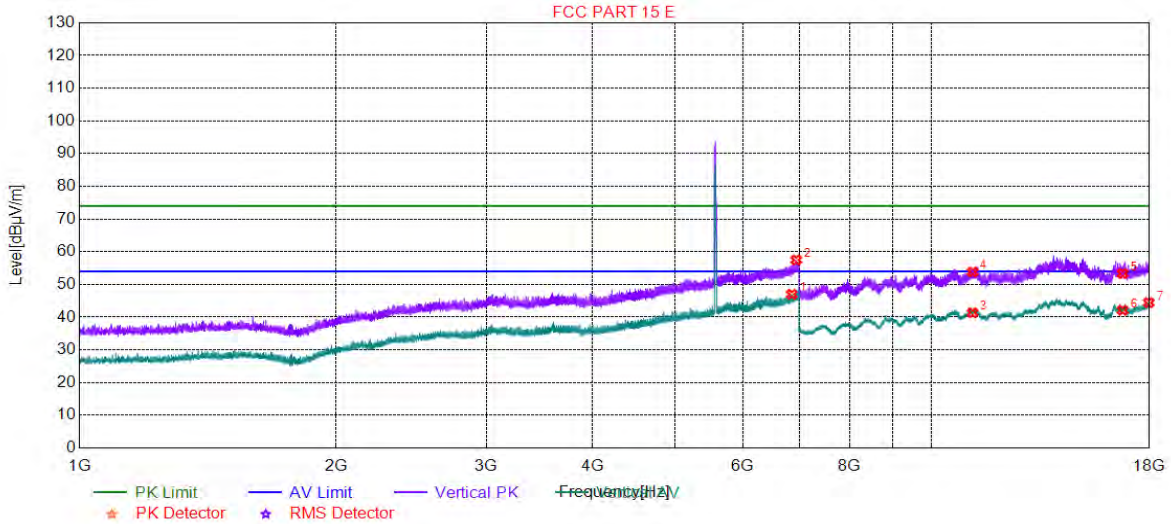
## 4.9.2.16 802.11A_Channel 116

**Test Graph**




**Suspected List**

| Suspected List | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| NO. | Freq. [MHz] | Level [dBµV/m] | Factor [dB] | Limit [dBµV/m] | Margin [dB] | Height [cm] | Angle [°] | Polarity |
| 1 | 6848.79 | 47.00 | 20.87 | 54.00 | 7.00 | 164 | 118 | Vertical |
| 2 | 6932.79 | 57.51 | 21.10 | 74.00 | 16.49 | 180 | 168 | Vertical |
| 3 | 11160.0 | 41.35 | -2.32 | 54.00 | 12.65 | 159 | 91 | Vertical |
| 4 | 11160.0 | 53.84 | -2.32 | 74.00 | 20.16 | 268 | 192 | Vertical |
| 5 | 16740.0 | 53.34 | -0.79 | 74.00 | 20.66 | 158 | 242 | Vertical |
| 6 | 16740.0 | 42.13 | -0.79 | 54.00 | 11.87 | 276 | 0 | Vertical |
| 7 | 17964.2 | 44.47 | -1.29 | 54.00 | 9.53 | 198 | 142 | Vertical |

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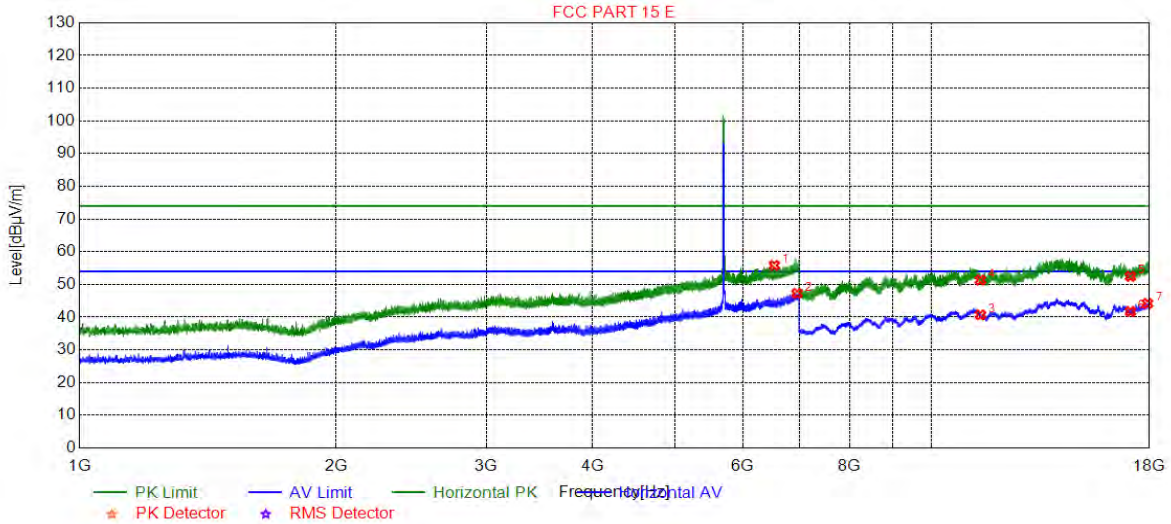
## 4.9.2.17 802.11A_Channel 140

**Test Graph**




**Suspected List**

| Suspected List | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| NO. | Freq. [MHz] | Level [dBµV/m] | Factor [dB] | Limit [dBµV/m] | Margin [dB] | Height [cm] | Angle [°] | Polarity |
| 1 | 6533.17 | 55.83 | 19.51 | 74.00 | 18.17 | 165 | 192 | Horizontal |
| 2 | 6945.39 | 47.26 | 21.21 | 54.00 | 6.74 | 189 | 0 | Horizontal |
| 3 | 11400.0 | 40.71 | -2.15 | 54.00 | 13.29 | 126 | 119 | Horizontal |
| 4 | 11400.0 | 51.35 | -2.15 | 74.00 | 22.65 | 131 | 269 | Horizontal |
| 5 | 17100.0 | 52.48 | -2.96 | 74.00 | 21.52 | 104 | 169 | Horizontal |
| 6 | 17100.0 | 41.74 | -2.96 | 54.00 | 12.26 | 158 | 269 | Horizontal |
| 7 | 17909.2 | 44.19 | -1.31 | 54.00 | 9.81 | 134 | 360 | Horizontal |

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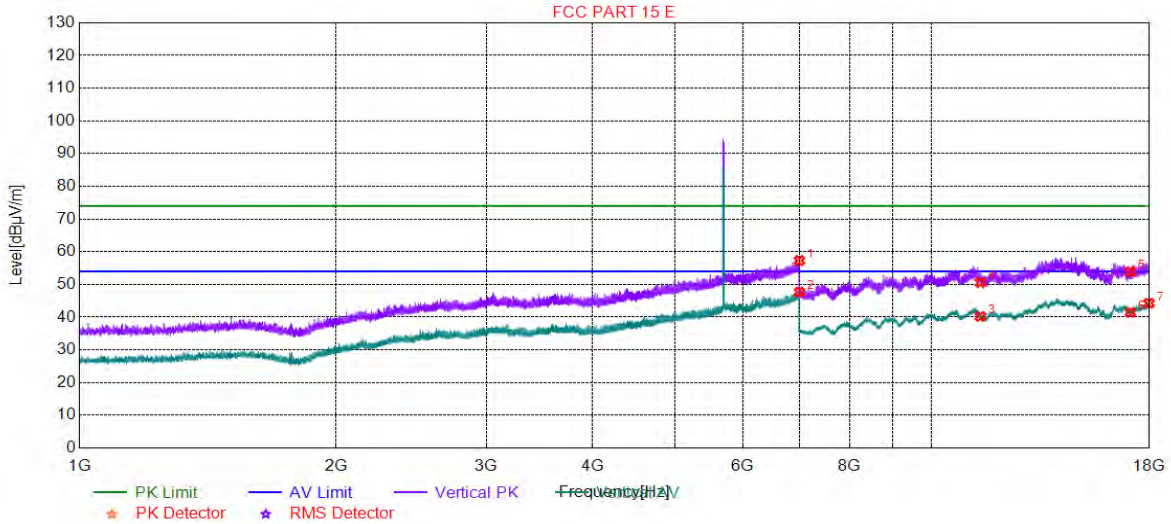
## 4.9.2.18 802.11A_Channel 140

**Test Graph**




**Suspected List**

| Suspected List | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| NO. | Freq. [MHz] | Level [dBµV/m] | Factor [dB] | Limit [dBµV/m] | Margin [dB] | Height [cm] | Angle [°] | Polarity |
| 1 | 6991.29 | 57.30 | 21.27 | 74.00 | 16.70 | 207 | 359 | Vertical |
| 2 | 6991.29 | 47.66 | 21.27 | 54.00 | 6.34 | 232 | 117 | Vertical |
| 3 | 11400.0 | 40.23 | -2.15 | 54.00 | 13.77 | 271 | 0 | Vertical |
| 4 | 11400.0 | 50.63 | -2.15 | 74.00 | 23.37 | 213 | 242 | Vertical |
| 5 | 17100.0 | 53.92 | -2.96 | 74.00 | 20.08 | 259 | 92 | Vertical |
| 6 | 17100.0 | 41.48 | -2.96 | 54.00 | 12.52 | 245 | 292 | Vertical |
| 7 | 17980.1 | 44.28 | -1.29 | 54.00 | 9.72 | 247 | 292 | Vertical |

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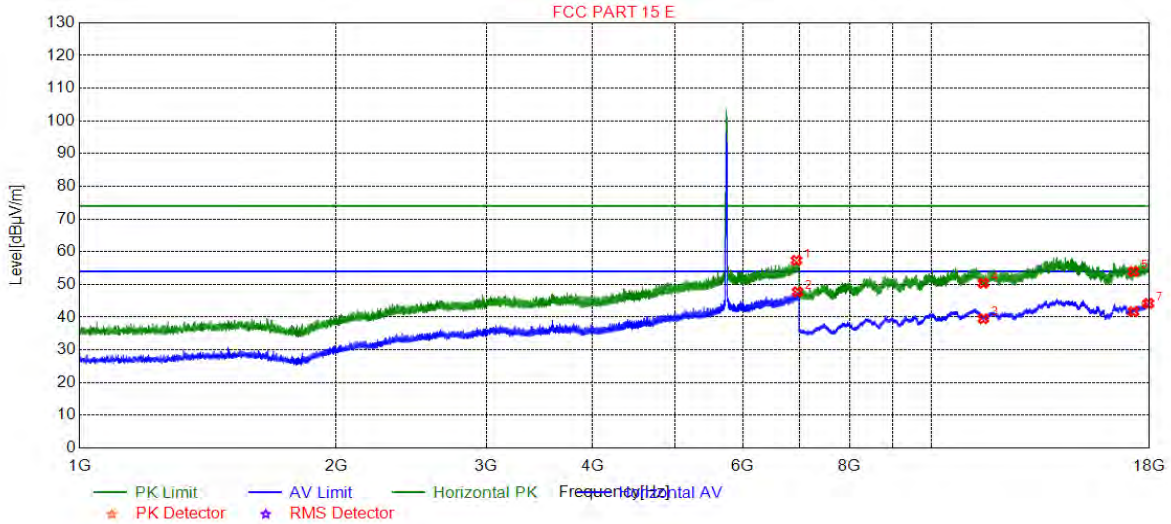
## 4.9.2.19 802.11A_Channel 149

**Test Graph**




**Suspected List**

| Suspected List | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| NO. | Freq. [MHz] | Level [dBµV/m] | Factor [dB] | Limit [dBµV/m] | Margin [dB] | Height [cm] | Angle [°] | Polarity |
| 1 | 6935.79 | 57.36 | 21.13 | 74.00 | 16.64 | 213 | 41 | Horizontal |
| 2 | 6955.59 | 47.74 | 21.26 | 54.00 | 6.26 | 197 | 0 | Horizontal |
| 3 | 11490.0 | 39.53 | -2.03 | 54.00 | 14.47 | 128 | 218 | Horizontal |
| 4 | 11490.0 | 50.41 | -2.03 | 74.00 | 23.59 | 191 | 268 | Horizontal |
| 5 | 17235.0 | 53.97 | -2.67 | 74.00 | 20.03 | 243 | 268 | Horizontal |
| 6 | 17235.0 | 41.70 | -2.67 | 54.00 | 12.30 | 118 | 218 | Horizontal |
| 7 | 17952.6 | 44.23 | -1.29 | 54.00 | 9.77 | 113 | 68 | Horizontal |

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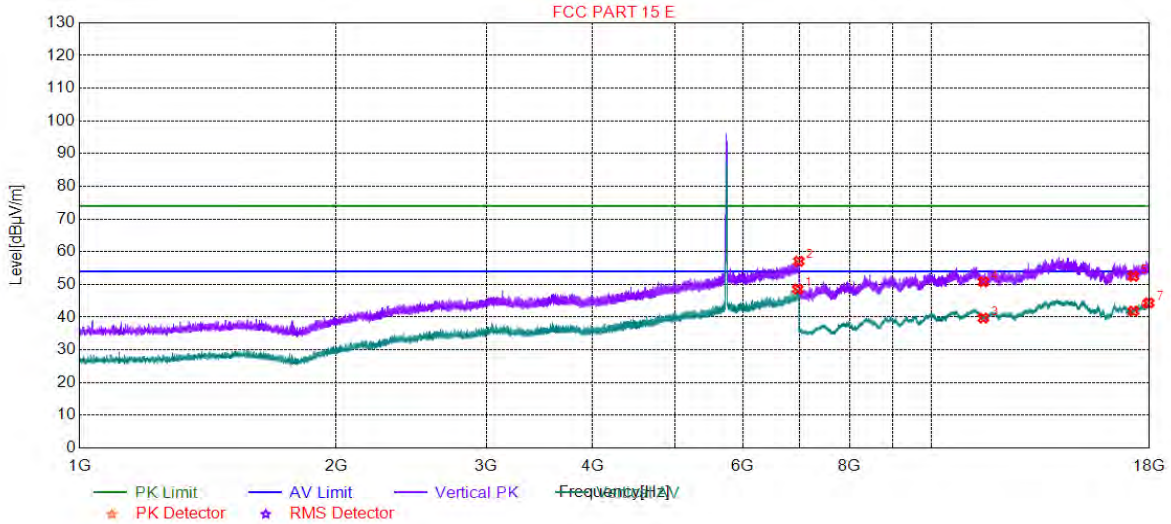
## 4.9.2.20 802.11A_Channel 149

**Test Graph**




**Suspected List**

| Suspected List | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| NO. | Freq. [MHz] | Level [dBµV/m] | Factor [dB] | Limit [dBµV/m] | Margin [dB] | Height [cm] | Angle [°] | Polarity |
| 1 | 6961.59 | 48.59 | 21.26 | 54.00 | 5.41 | 257 | 319 | Vertical |
| 2 | 6980.19 | 57.10 | 21.26 | 74.00 | 16.90 | 250 | 360 | Vertical |
| 3 | 11490.0 | 39.75 | -2.03 | 54.00 | 14.25 | 159 | 0 | Vertical |
| 4 | 11490.0 | 50.81 | -2.03 | 74.00 | 23.19 | 283 | 41 | Vertical |
| 5 | 17235.0 | 52.49 | -2.67 | 74.00 | 21.51 | 241 | 41 | Vertical |
| 6 | 17235.0 | 41.84 | -2.67 | 54.00 | 12.16 | 195 | 342 | Vertical |
| 7 | 17963.1 | 44.37 | -1.29 | 54.00 | 9.63 | 231 | 91 | Vertical |

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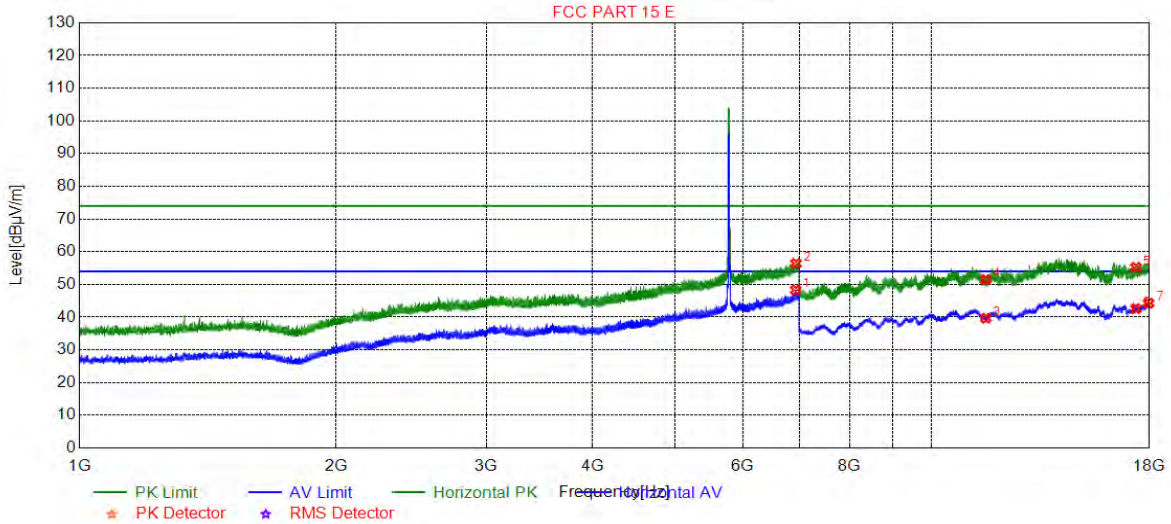
## 4.9.2.21 802.11A_Channel 157

**Test Graph**




**Suspected List**

| Suspected List | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| NO. | Freq. [MHz] | Level [dBµV/m] | Factor [dB] | Limit [dBµV/m] | Margin [dB] | Height [cm] | Angle [°] | Polarity |
| 1 | 6922.29 | 48.29 | 21.01 | 54.00 | 5.71 | 161 | 342 | Horizontal |
| 2 | 6927.09 | 56.42 | 21.05 | 74.00 | 17.58 | 190 | 242 | Horizontal |
| 3 | 11570.0 | 39.69 | -2.39 | 54.00 | 14.31 | 238 | 70 | Horizontal |
| 4 | 11570.0 | 51.48 | -2.39 | 74.00 | 22.52 | 191 | 325 | Horizontal |
| 5 | 17355.0 | 55.25 | -1.94 | 74.00 | 18.75 | 141 | 70 | Horizontal |
| 6 | 17355.0 | 42.62 | -1.94 | 54.00 | 11.38 | 239 | 18 | Horizontal |
| 7 | 17954.8 | 44.30 | -1.29 | 54.00 | 9.70 | 116 | 325 | Horizontal |

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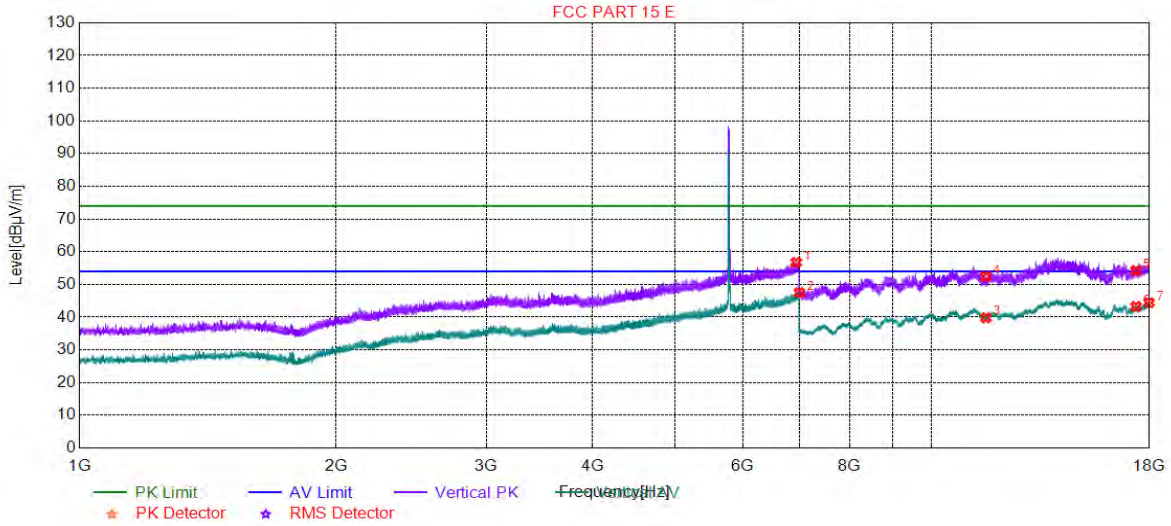
### 4.9.2.22 802.11A_Channel 157

**Test Graph**




**Suspected List**

| Suspected List | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| NO. | Freq. [MHz] | Level [dBµV/m] | Factor [dB] | Limit [dBµV/m] | Margin [dB] | Height [cm] | Angle [°] | Polarity |
| 1 | 6930.09 | 56.75 | 21.08 | 74.00 | 17.25 | 265 | 68 | Vertical |
| 2 | 6991.89 | 47.52 | 21.27 | 54.00 | 6.48 | 245 | 267 | Vertical |
| 3 | 11570.0 | 39.83 | -2.39 | 54.00 | 14.17 | 259 | 192 | Vertical |
| 4 | 11570.0 | 52.46 | -2.39 | 74.00 | 21.54 | 204 | 39 | Vertical |
| 5 | 17355.0 | 54.26 | -1.94 | 74.00 | 19.74 | 183 | 192 | Vertical |
| 6 | 17355.0 | 43.26 | -1.94 | 54.00 | 10.74 | 217 | 192 | Vertical |
| 7 | 17976.8 | 44.43 | -1.29 | 54.00 | 9.57 | 154 | 241 | Vertical |

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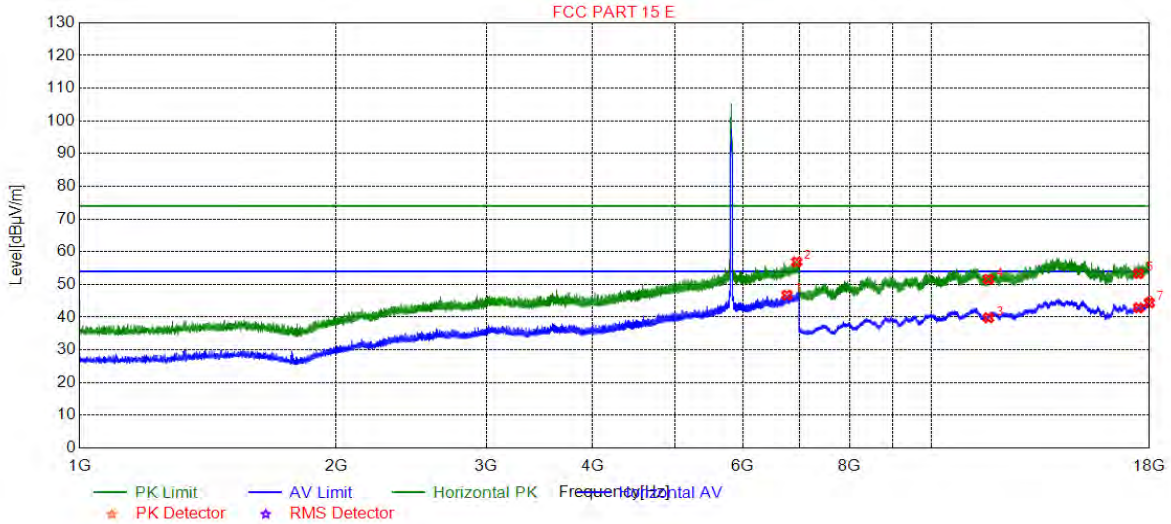
## 4.9.2.23 802.11A_Channel 165

**Test Graph**




**Suspected List**

| Suspected List | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| NO. | Freq. [MHz] | Level [dBµV/m] | Factor [dB] | Limit [dBµV/m] | Margin [dB] | Height [cm] | Angle [°] | Polarity |
| 1 | 6759.68 | 46.80 | 20.60 | 54.00 | 7.20 | 122 | 0 | Horizontal |
| 2 | 6940.89 | 56.90 | 21.17 | 74.00 | 17.10 | 236 | 92 | Horizontal |
| 3 | 11650.0 | 39.82 | -2.49 | 54.00 | 14.18 | 207 | 269 | Horizontal |
| 4 | 11650.0 | 51.61 | -2.49 | 74.00 | 22.39 | 127 | 18 | Horizontal |
| 5 | 17475.0 | 53.31 | -1.24 | 74.00 | 20.69 | 158 | 18 | Horizontal |
| 6 | 17475.0 | 42.86 | -1.24 | 54.00 | 11.14 | 207 | 320 | Horizontal |
| 7 | 17990.6 | 44.39 | -1.28 | 54.00 | 9.61 | 141 | 18 | Horizontal |

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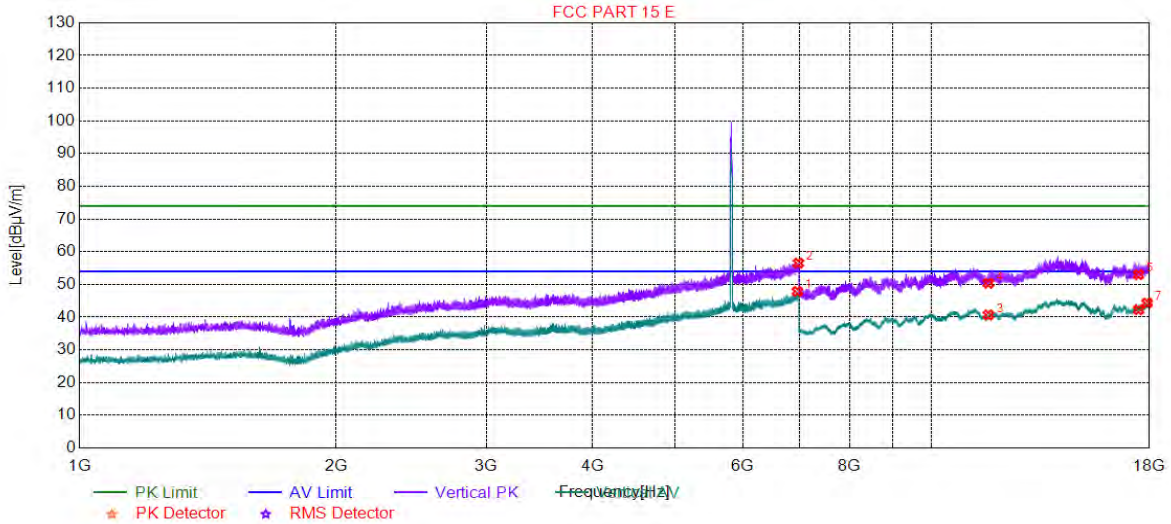
## 4.9.2.24 802.11A_Channel 165

**Test Graph**




**Suspected List**

| Suspected List | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| NO. | Freq. [MHz] | Level [dBµV/m] | Factor [dB] | Limit [dBµV/m] | Margin [dB] | Height [cm] | Angle [°] | Polarity |
| 1 | 6952.89 | 47.88 | 21.26 | 54.00 | 6.12 | 166 | 266 | Vertical |
| 2 | 6972.39 | 56.53 | 21.26 | 74.00 | 17.47 | 265 | 118 | Vertical |
| 3 | 11650.0 | 40.68 | -2.49 | 54.00 | 13.32 | 287 | 292 | Vertical |
| 4 | 11650.0 | 50.40 | -2.49 | 74.00 | 23.60 | 278 | 188 | Vertical |
| 5 | 17475.0 | 53.00 | -1.24 | 74.00 | 21.00 | 173 | 292 | Vertical |
| 6 | 17475.0 | 42.26 | -1.24 | 54.00 | 11.74 | 261 | 138 | Vertical |
| 7 | 17875.6 | 44.32 | -1.63 | 54.00 | 9.68 | 184 | 292 | Vertical |

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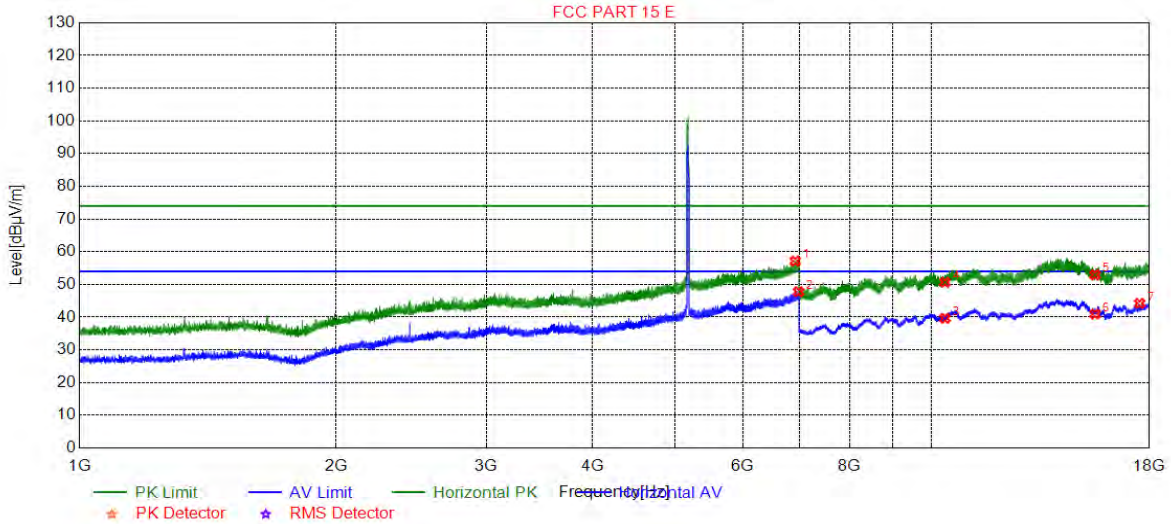
## 4.9.2.25 802.11N20_Channel 36

**Test Graph**




**Suspected List**

| Suspected List | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| NO. | Freq. [MHz] | Level [dBµV/m] | Factor [dB] | Limit [dBµV/m] | Margin [dB] | Height [cm] | Angle [°] | Polarity |
| 1 | 6911.79 | 57.16 | 20.91 | 74.00 | 16.84 | 199 | 342 | Horizontal |
| 2 | 6975.99 | 47.78 | 21.26 | 54.00 | 6.22 | 105 | 342 | Horizontal |
| 3 | 10360.0 | 39.65 | -3.63 | 54.00 | 14.35 | 249 | 18 | Horizontal |
| 4 | 10360.0 | 50.67 | -3.63 | 74.00 | 23.33 | 231 | 169 | Horizontal |
| 5 | 15540.0 | 52.94 | 0.46 | 74.00 | 21.06 | 172 | 68 | Horizontal |
| 6 | 15540.0 | 40.97 | 0.46 | 54.00 | 13.03 | 211 | 18 | Horizontal |
| 7 | 17527.5 | 44.21 | -0.97 | 54.00 | 9.79 | 247 | 18 | Horizontal |

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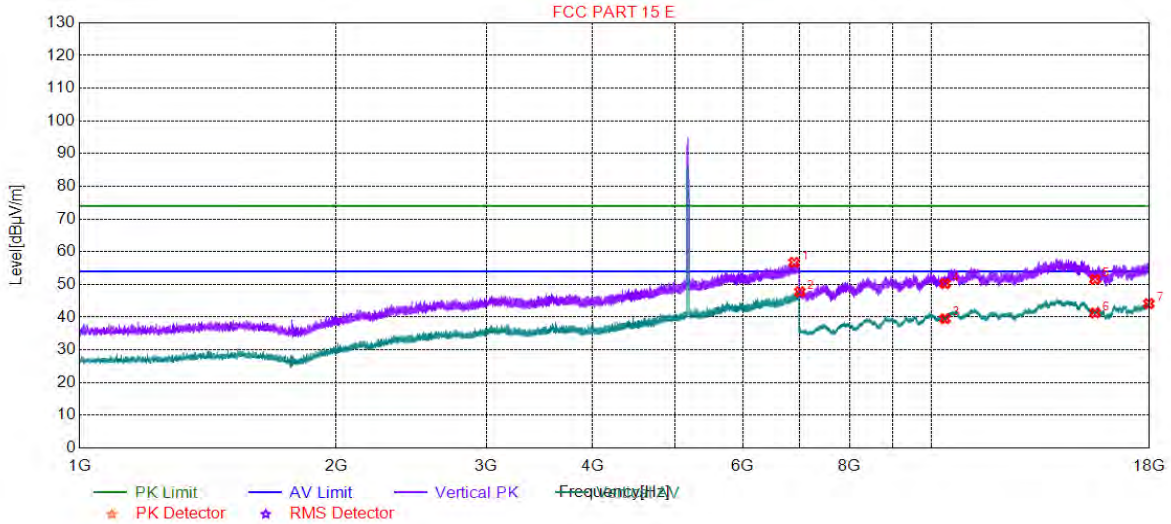
## 4.9.2.26 802.11N20_Channel 36

**Test Graph**




**Suspected List**

| Suspected List | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| NO. | Freq. [MHz] | Level [dBµV/m] | Factor [dB] | Limit [dBµV/m] | Margin [dB] | Height [cm] | Angle [°] | Polarity |
| 1 | 6891.99 | 56.74 | 20.82 | 74.00 | 17.26 | 292 | 168 | Vertical |
| 2 | 6999.70 | 47.74 | 21.27 | 54.00 | 6.26 | 216 | 168 | Vertical |
| 3 | 10360.0 | 39.53 | -3.63 | 54.00 | 14.47 | 219 | 0 | Vertical |
| 4 | 10360.0 | 50.23 | -3.63 | 74.00 | 23.77 | 297 | 291 | Vertical |
| 5 | 15540.0 | 51.57 | 0.46 | 74.00 | 22.43 | 221 | 41 | Vertical |
| 6 | 15540.0 | 41.30 | 0.46 | 54.00 | 12.70 | 207 | 142 | Vertical |
| 7 | 17964.2 | 44.16 | -1.29 | 54.00 | 9.84 | 168 | 91 | Vertical |

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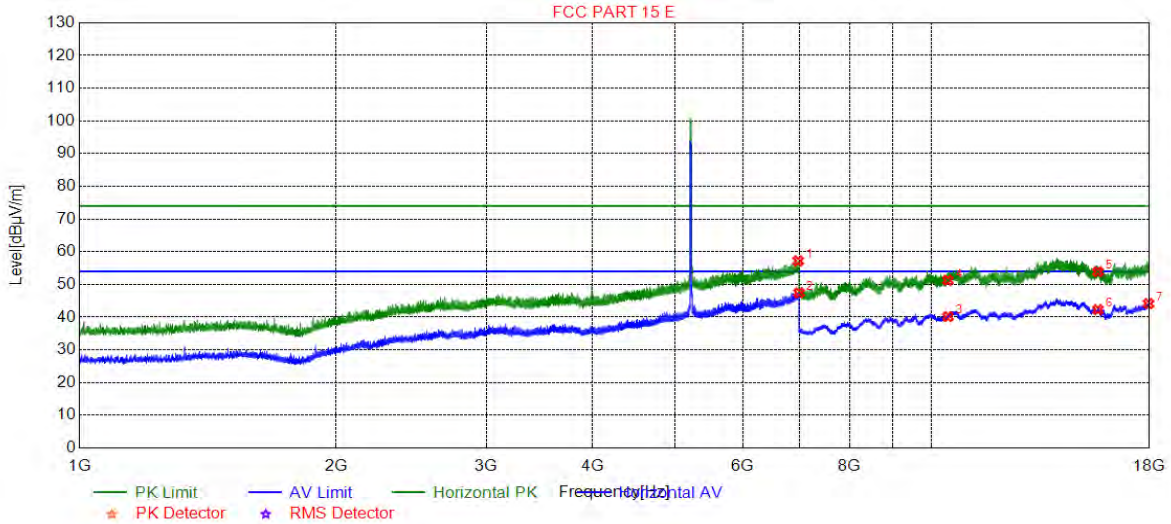
## 4.9.2.27 802.11N20_Channel 44

**Test Graph**




**Suspected List**

| Suspected List | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| NO. | Freq. [MHz] | Level [dBµV/m] | Factor [dB] | Limit [dBµV/m] | Margin [dB] | Height [cm] | Angle [°] | Polarity |
| 1 | 6968.19 | 57.20 | 21.26 | 74.00 | 16.80 | 216 | 42 | Horizontal |
| 2 | 6982.59 | 47.46 | 21.26 | 54.00 | 6.54 | 222 | 92 | Horizontal |
| 3 | 10440.0 | 40.16 | -3.24 | 54.00 | 13.84 | 118 | 118 | Horizontal |
| 4 | 10440.0 | 51.29 | -3.24 | 74.00 | 22.71 | 194 | 360 | Horizontal |
| 5 | 15660.0 | 53.92 | 0.43 | 74.00 | 20.08 | 112 | 268 | Horizontal |
| 6 | 15660.0 | 42.29 | 0.43 | 54.00 | 11.71 | 189 | 18 | Horizontal |
| 7 | 17949.9 | 44.14 | -1.30 | 54.00 | 9.86 | 170 | 268 | Horizontal |

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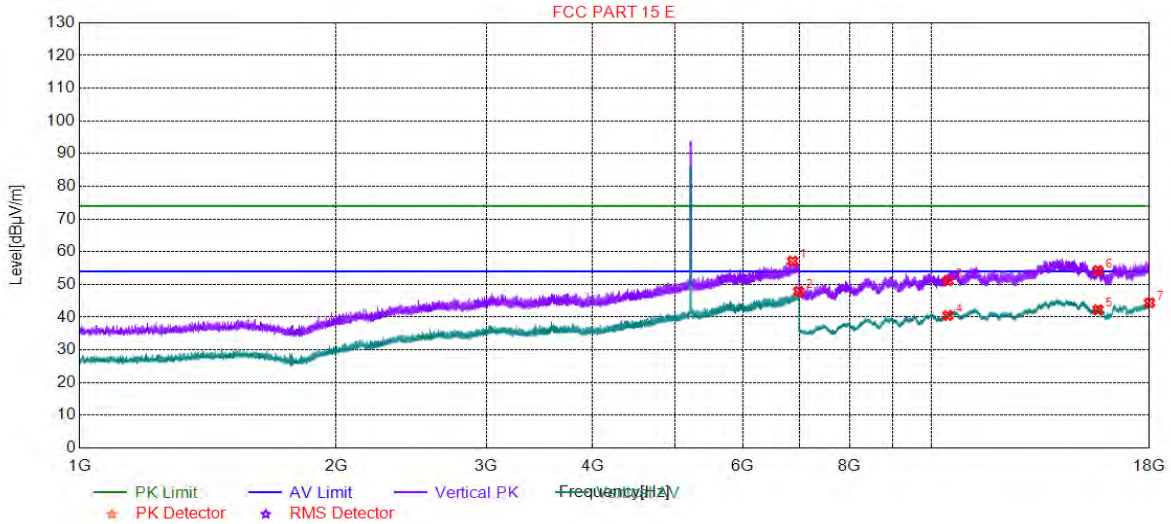
## 4.9.2.28 802.11N20_Channel 44

**Test Graph**




**Suspected List**

| Suspected List | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| NO. | Freq. [MHz] | Level [dBµV/m] | Factor [dB] | Limit [dBµV/m] | Margin [dB] | Height [cm] | Angle [°] | Polarity |
| 1 | 6865.29 | 57.13 | 20.86 | 74.00 | 16.87 | 186 | 267 | Vertical |
| 2 | 6978.99 | 47.88 | 21.26 | 54.00 | 6.12 | 215 | 167 | Vertical |
| 3 | 10440.0 | 51.17 | -3.24 | 74.00 | 22.83 | 153 | 242 | Vertical |
| 4 | 10440.0 | 40.52 | -3.24 | 54.00 | 13.48 | 290 | 40 | Vertical |
| 5 | 15660.0 | 42.27 | 0.43 | 54.00 | 11.73 | 174 | 0 | Vertical |
| 6 | 15660.0 | 54.28 | 0.43 | 74.00 | 19.72 | 184 | 192 | Vertical |
| 7 | 17996.6 | 44.39 | -1.28 | 54.00 | 9.61 | 218 | 0 | Vertical |

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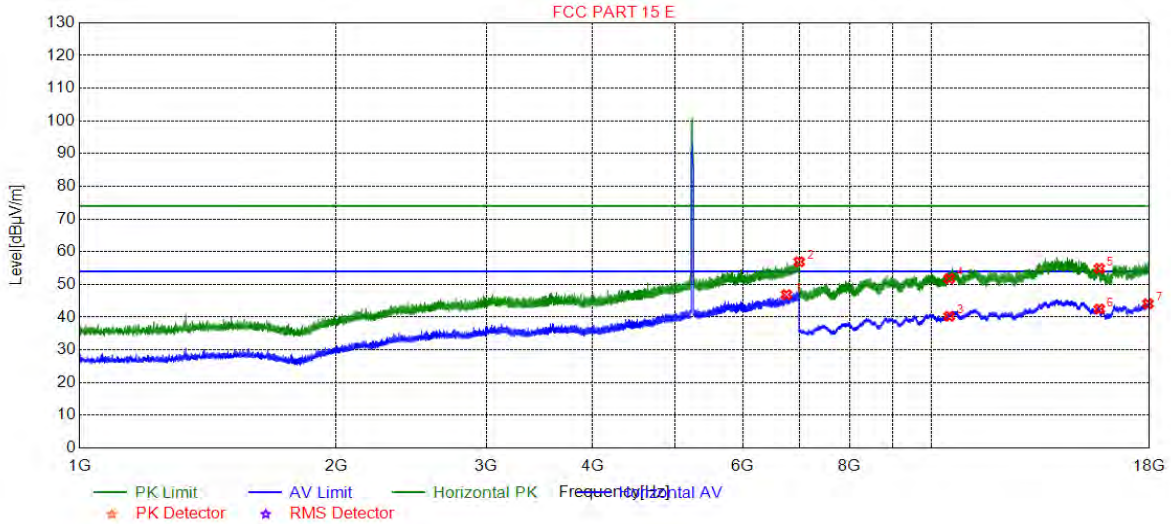
## 4.9.2.29 802.11N20_Channel 48

**Test Graph**




**Suspected List**

| Suspected List | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| NO. | Freq. [MHz] | Level [dBµV/m] | Factor [dB] | Limit [dBµV/m] | Margin [dB] | Height [cm] | Angle [°] | Polarity |
| 1 | 6751.58 | 46.91 | 20.64 | 54.00 | 7.09 | 190 | 41 | Horizontal |
| 2 | 6988.59 | 56.94 | 21.27 | 74.00 | 17.06 | 112 | 0 | Horizontal |
| 3 | 10480.0 | 40.28 | -2.94 | 54.00 | 13.72 | 125 | 218 | Horizontal |
| 4 | 10480.0 | 51.80 | -2.94 | 74.00 | 22.20 | 162 | 168 | Horizontal |
| 5 | 15720.0 | 54.92 | 0.29 | 74.00 | 19.08 | 178 | 318 | Horizontal |
| 6 | 15720.0 | 42.50 | 0.29 | 54.00 | 11.50 | 187 | 18 | Horizontal |
| 7 | 17925.7 | 44.10 | -1.30 | 54.00 | 9.90 | 112 | 360 | Horizontal |

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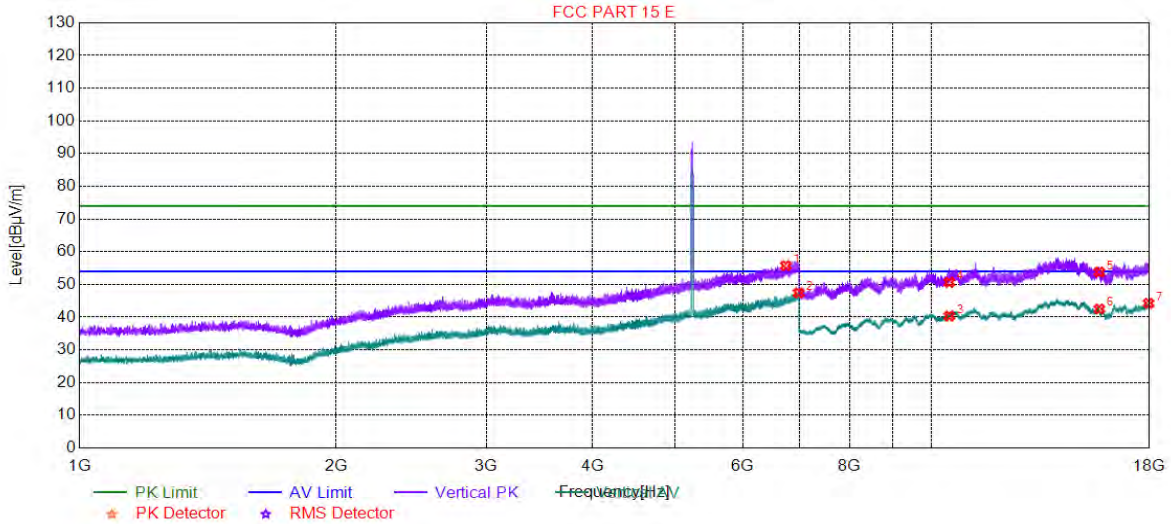
## 4.9.2.30 802.11N20_Channel 48

**Test Graph**




**Suspected List**

| Suspected List | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| NO. | Freq. [MHz] | Level [dBµV/m] | Factor [dB] | Limit [dBµV/m] | Margin [dB] | Height [cm] | Angle [°] | Polarity |
| 1 | 6740.48 | 55.76 | 20.47 | 74.00 | 18.24 | 192 | 360 | Vertical |
| 2 | 6975.99 | 47.41 | 21.26 | 54.00 | 6.59 | 212 | 267 | Vertical |
| 3 | 10480.0 | 40.36 | -2.94 | 54.00 | 13.64 | 239 | 241 | Vertical |
| 4 | 10480.0 | 50.64 | -2.94 | 74.00 | 23.36 | 181 | 292 | Vertical |
| 5 | 15720.0 | 53.80 | 0.29 | 74.00 | 20.20 | 283 | 141 | Vertical |
| 6 | 15720.0 | 42.51 | 0.29 | 54.00 | 11.49 | 233 | 90 | Vertical |
| 7 | 17952.6 | 44.26 | -1.29 | 54.00 | 9.74 | 190 | 40 | Vertical |

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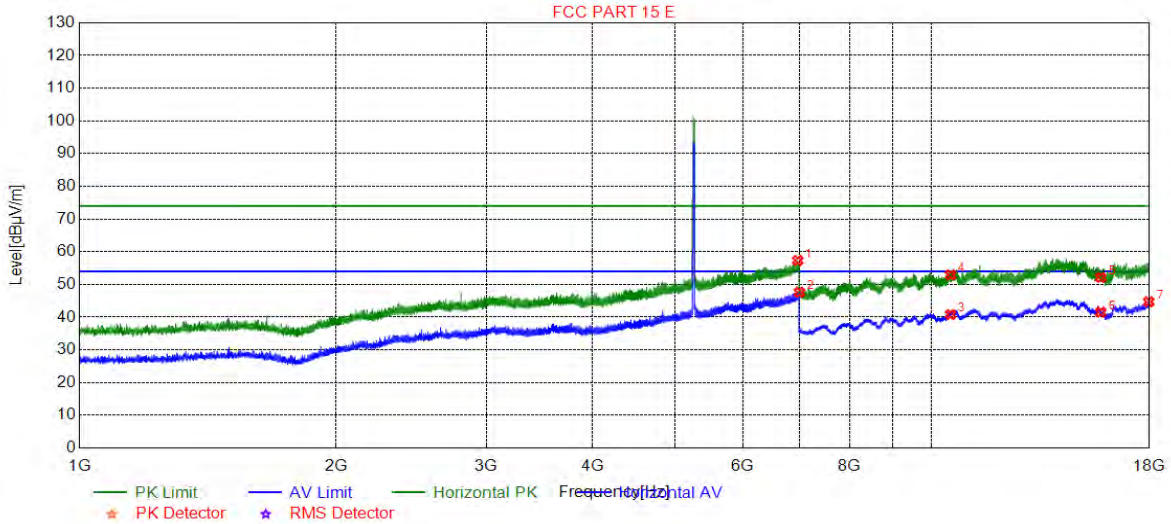
## 4.9.2.31 802.11N20_Channel 52

**Test Graph**




**Suspected List**

| Suspected List | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| NO. | Freq. [MHz] | Level [dBµV/m] | Factor [dB] | Limit [dBµV/m] | Margin [dB] | Height [cm] | Angle [°] | Polarity |
| 1 | 6960.09 | 57.33 | 21.26 | 74.00 | 16.67 | 186 | 0 | Horizontal |
| 2 | 6990.99 | 47.62 | 21.27 | 54.00 | 6.38 | 120 | 143 | Horizontal |
| 3 | 10520.0 | 40.81 | -2.80 | 54.00 | 13.19 | 196 | 320 | Horizontal |
| 4 | 10520.0 | 52.93 | -2.80 | 74.00 | 21.07 | 201 | 18 | Horizontal |
| 5 | 15780.0 | 52.14 | -0.72 | 74.00 | 21.86 | 179 | 320 | Horizontal |
| 6 | 15780.0 | 41.54 | -0.72 | 54.00 | 12.46 | 164 | 219 | Horizontal |
| 7 | 17960.3 | 44.71 | -1.29 | 54.00 | 9.29 | 242 | 360 | Horizontal |

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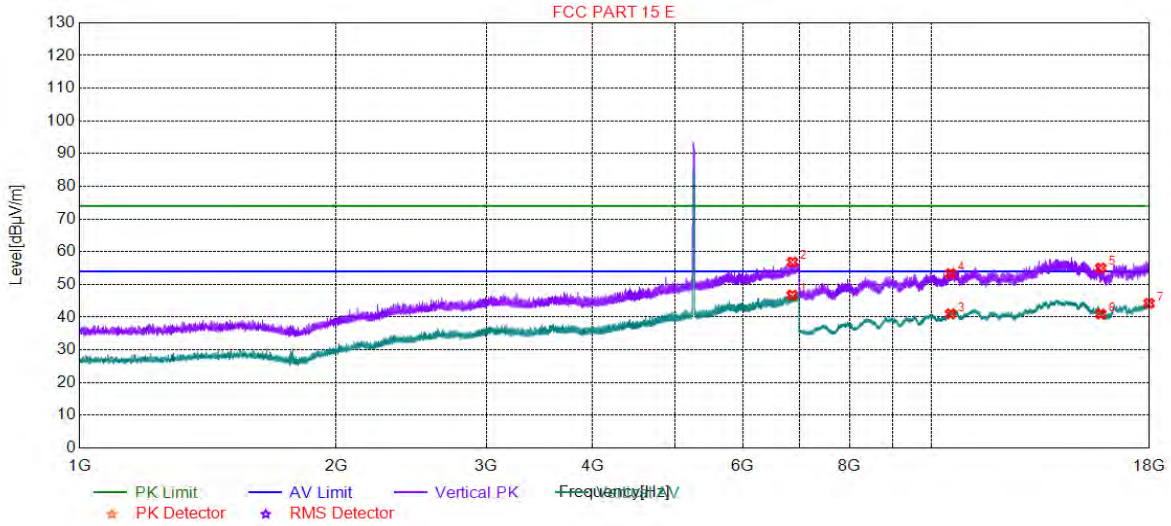
### 4.9.2.32 802.11N20_Channel 52

**Test Graph**




**Suspected List**

| Suspected List | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| NO. | Freq. [MHz] | Level [dBµV/m] | Factor [dB] | Limit [dBµV/m] | Margin [dB] | Height [cm] | Angle [°] | Polarity |
| 1 | 6856.59 | 46.74 | 20.88 | 54.00 | 7.26 | 192 | 18 | Vertical |
| 2 | 6862.89 | 56.86 | 20.87 | 74.00 | 17.14 | 268 | 360 | Vertical |
| 3 | 10520.0 | 41.00 | -2.80 | 54.00 | 13.00 | 224 | 0 | Vertical |
| 4 | 10520.0 | 53.36 | -2.80 | 74.00 | 20.64 | 188 | 292 | Vertical |
| 5 | 15780.0 | 55.02 | -0.72 | 74.00 | 18.98 | 236 | 0 | Vertical |
| 6 | 15780.0 | 40.95 | -0.72 | 54.00 | 13.05 | 269 | 292 | Vertical |
| 7 | 17975.7 | 44.22 | -1.29 | 54.00 | 9.78 | 271 | 342 | Vertical |

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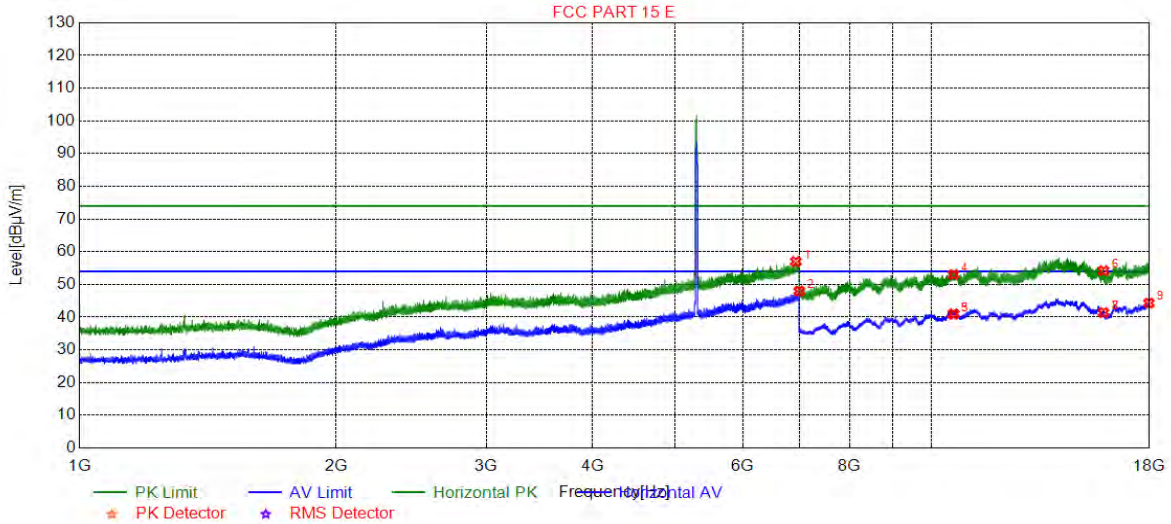
## 4.9.2.33 802.11N20_Channel 60

**Test Graph**




**Suspected List**

| Suspected List | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| NO. | Freq. [MHz] | Level [dBµV/m] | Factor [dB] | Limit [dBµV/m] | Margin [dB] | Height [cm] | Angle [°] | Polarity |
| 1 | 6924.09 | 57.02 | 21.02 | 74.00 | 16.98 | 149 | 143 | Horizontal |
| 2 | 6988.59 | 48.00 | 21.27 | 54.00 | 6.00 | 197 | 143 | Horizontal |
| 3 | 10600.0 | 40.96 | -2.86 | 54.00 | 13.04 | 113 | 18 | Horizontal |
| 4 | 10600.0 | 53.02 | -2.86 | 74.00 | 20.98 | 201 | 118 | Horizontal |
| 5 | 10600.0 | 40.96 | -2.86 | 54.00 | 13.04 | 246 | 18 | Horizontal |
| 6 | 15900.0 | 54.19 | -0.52 | 74.00 | 19.81 | 236 | 219 | Horizontal |
| 7 | 15900.0 | 41.41 | -0.52 | 54.00 | 12.59 | 190 | 169 | Horizontal |
| 8 | 15900.0 | 41.41 | -0.52 | 54.00 | 12.59 | 120 | 169 | Horizontal |
| 9 | 17971.3 | 44.32 | -1.29 | 54.00 | 9.68 | 129 | 269 | Horizontal |

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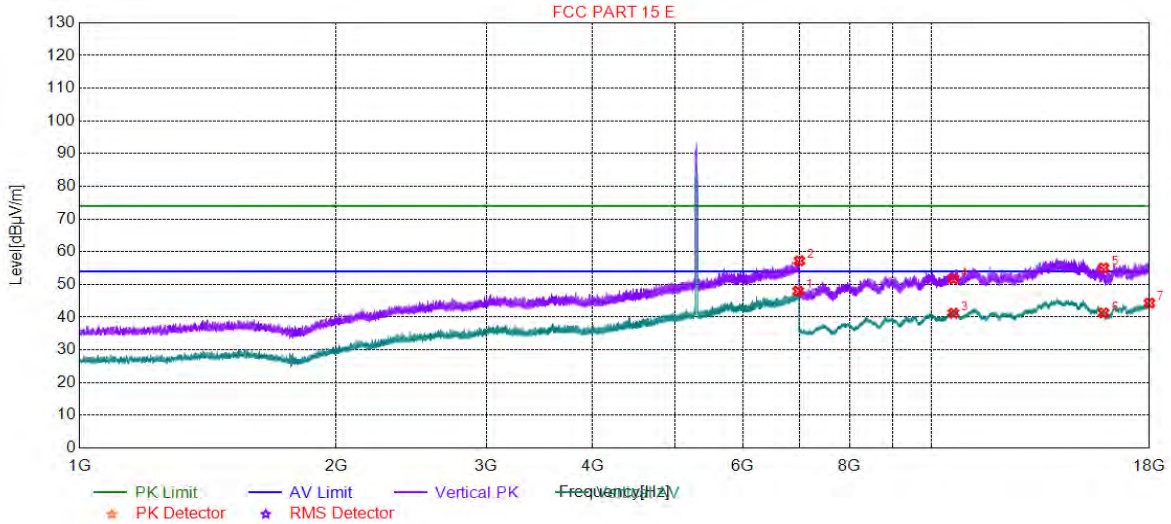
### 4.9.2.34 802.11N20_Channel 60

**Test Graph**




**Suspected List**

| Suspected List | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| NO. | Freq. [MHz] | Level [dBµV/m] | Factor [dB] | Limit [dBµV/m] | Margin [dB] | Height [cm] | Angle [°] | Polarity |
| 1 | 6968.49 | 47.97 | 21.26 | 54.00 | 6.03 | 156 | 219 | Vertical |
| 2 | 6990.99 | 57.22 | 21.27 | 74.00 | 16.78 | 163 | 219 | Vertical |
| 3 | 10600.0 | 41.21 | -2.86 | 54.00 | 12.79 | 151 | 242 | Vertical |
| 4 | 10600.0 | 51.71 | -2.86 | 74.00 | 22.29 | 210 | 92 | Vertical |
| 5 | 15900.0 | 55.10 | -0.52 | 74.00 | 18.90 | 243 | 291 | Vertical |
| 6 | 15900.0 | 41.30 | -0.52 | 54.00 | 12.70 | 154 | 192 | Vertical |
| 7 | 17997.2 | 44.31 | -1.28 | 54.00 | 9.69 | 273 | 42 | Vertical |

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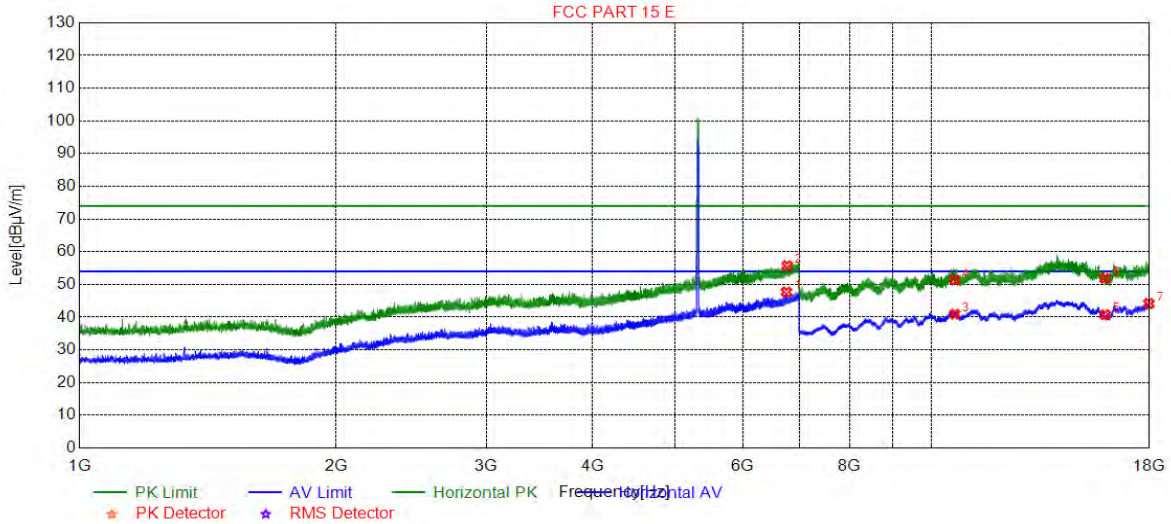
### 4.9.2.35 802.11N20_Channel 64

**Test Graph**




**Suspected List**

| Suspected List | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| NO. | Freq. [MHz] | Level [dBµV/m] | Factor [dB] | Limit [dBµV/m] | Margin [dB] | Height [cm] | Angle [°] | Polarity |
| 1 | 6751.88 | 47.70 | 20.64 | 54.00 | 6.30 | 163 | 241 | Horizontal |
| 2 | 6763.88 | 55.74 | 20.58 | 74.00 | 18.26 | 232 | 191 | Horizontal |
| 3 | 10640.0 | 40.93 | -2.84 | 54.00 | 13.07 | 219 | 118 | Horizontal |
| 4 | 10640.0 | 51.37 | -2.84 | 74.00 | 22.63 | 185 | 267 | Horizontal |
| 5 | 15960.0 | 40.77 | -1.22 | 54.00 | 13.23 | 107 | 18 | Horizontal |
| 6 | 15960.0 | 51.86 | -1.22 | 74.00 | 22.14 | 120 | 317 | Horizontal |
| 7 | 17968.6 | 44.18 | -1.29 | 54.00 | 9.82 | 191 | 360 | Horizontal |

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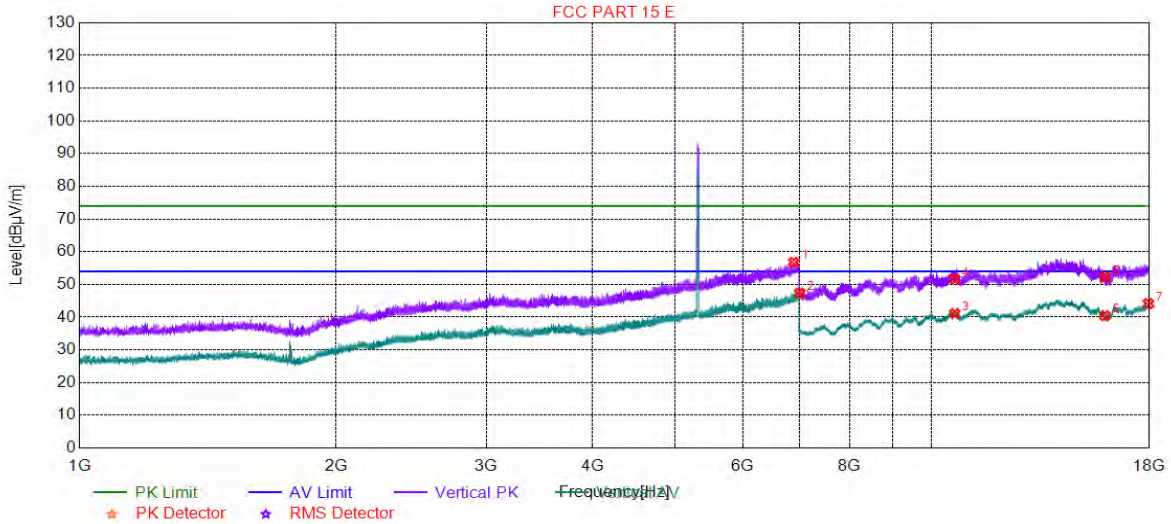
## 4.9.2.36 802.11N20_Channel 64

**Test Graph**




**Suspected List**

| Suspected List | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| NO. | Freq. [MHz] | Level [dBµV/m] | Factor [dB] | Limit [dBµV/m] | Margin [dB] | Height [cm] | Angle [°] | Polarity |
| 1 | 6885.39 | 56.81 | 20.83 | 74.00 | 17.19 | 237 | 128 | Vertical |
| 2 | 6999.10 | 47.40 | 21.27 | 54.00 | 6.60 | 218 | 226 | Vertical |
| 3 | 10640.0 | 41.10 | -2.84 | 54.00 | 12.90 | 161 | 242 | Vertical |
| 4 | 10640.0 | 51.65 | -2.84 | 74.00 | 22.35 | 295 | 92 | Vertical |
| 5 | 15960.0 | 52.29 | -1.22 | 74.00 | 21.71 | 154 | 42 | Vertical |
| 6 | 15960.0 | 40.47 | -1.22 | 54.00 | 13.53 | 253 | 191 | Vertical |
| 7 | 17949.9 | 44.18 | -1.30 | 54.00 | 9.82 | 153 | 191 | Vertical |

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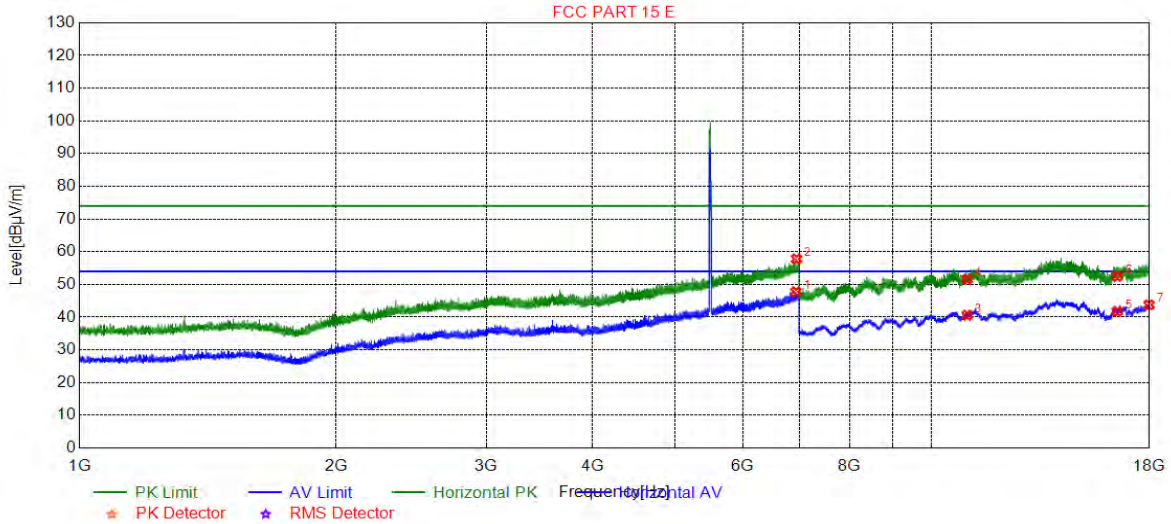
## 4.9.2.37 802.11N20_Channel 100

**Test Graph**




**Suspected List**

| Suspected List | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| NO. | Freq. [MHz] | Level [dBµV/m] | Factor [dB] | Limit [dBµV/m] | Margin [dB] | Height [cm] | Angle [°] | Polarity |
| 1 | 6926.79 | 47.78 | 21.05 | 54.00 | 6.22 | 244 | 93 | Horizontal |
| 2 | 6937.29 | 57.81 | 21.14 | 74.00 | 16.19 | 202 | 242 | Horizontal |
| 3 | 11000.0 | 40.62 | -2.17 | 54.00 | 13.38 | 133 | 167 | Horizontal |
| 4 | 11000.0 | 51.64 | -2.17 | 74.00 | 22.36 | 109 | 318 | Horizontal |
| 5 | 16500.0 | 41.76 | -1.16 | 54.00 | 12.24 | 195 | 268 | Horizontal |
| 6 | 16500.0 | 52.49 | -1.16 | 74.00 | 21.51 | 104 | 69 | Horizontal |
| 7 | 17976.3 | 43.75 | -1.29 | 54.00 | 10.25 | 126 | 318 | Horizontal |

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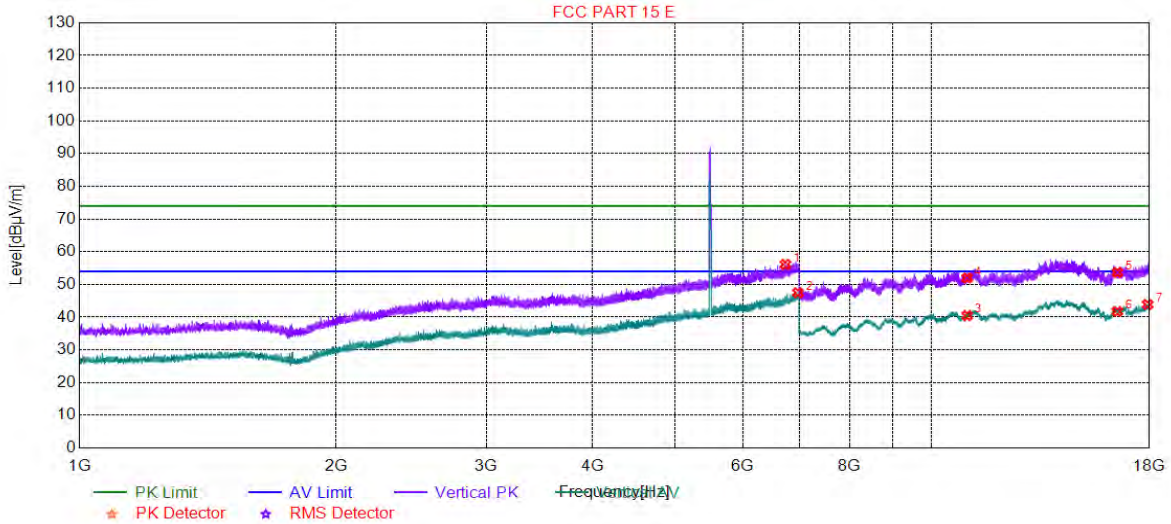
### 4.9.2.38 802.11N20_Channel 100

**Test Graph**




**Suspected List**

| Suspected List | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| NO. | Freq. [MHz] | Level [dBµV/m] | Factor [dB] | Limit [dBµV/m] | Margin [dB] | Height [cm] | Angle [°] | Polarity |
| 1 | 6732.68 | 56.13 | 20.34 | 74.00 | 17.87 | 291 | 118 | Vertical |
| 2 | 6963.69 | 47.50 | 21.26 | 54.00 | 6.50 | 229 | 318 | Vertical |
| 3 | 11000.0 | 40.48 | -2.17 | 54.00 | 13.52 | 171 | 342 | Vertical |
| 4 | 11000.0 | 51.98 | -2.17 | 74.00 | 22.02 | 230 | 92 | Vertical |
| 5 | 16500.0 | 53.68 | -1.16 | 74.00 | 20.32 | 260 | 342 | Vertical |
| 6 | 16500.0 | 41.73 | -1.16 | 54.00 | 12.27 | 294 | 242 | Vertical |
| 7 | 17911.9 | 43.89 | -1.31 | 54.00 | 10.11 | 261 | 42 | Vertical |

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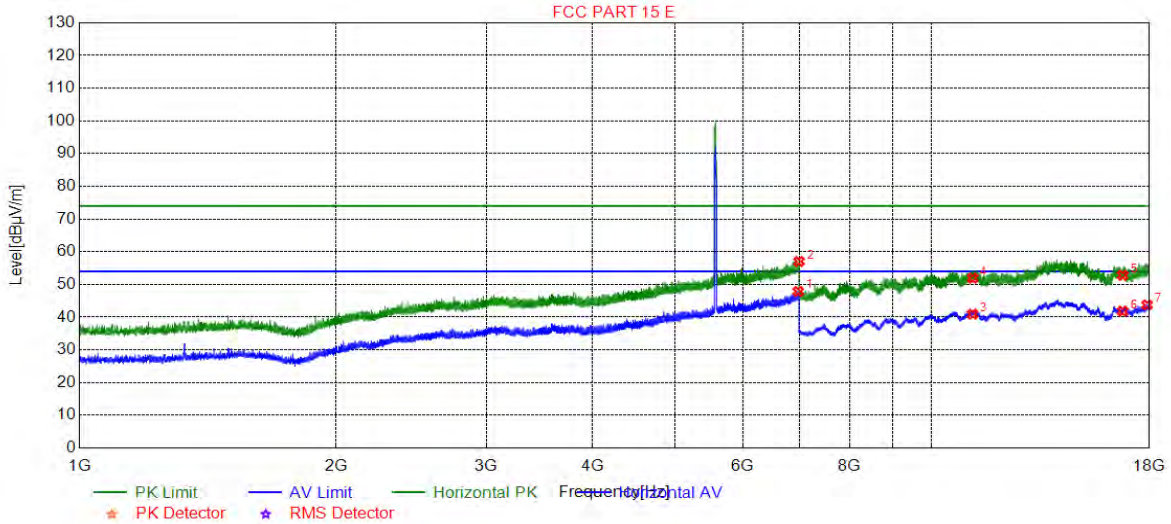
## 4.9.2.39 802.11N20_Channel 116

**Test Graph**




**Suspected List**

| Suspected List | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| NO. | Freq. [MHz] | Level [dBµV/m] | Factor [dB] | Limit [dBµV/m] | Margin [dB] | Height [cm] | Angle [°] | Polarity |
| 1 | 6968.19 | 47.88 | 21.26 | 54.00 | 6.12 | 115 | 292 | Horizontal |
| 2 | 6983.19 | 57.05 | 21.26 | 74.00 | 16.95 | 148 | 242 | Horizontal |
| 3 | 11160.0 | 40.93 | -2.32 | 54.00 | 13.07 | 248 | 121 | Horizontal |
| 4 | 11160.0 | 51.92 | -2.32 | 74.00 | 22.08 | 188 | 69 | Horizontal |
| 5 | 16740.0 | 52.82 | -0.79 | 74.00 | 21.18 | 240 | 276 | Horizontal |
| 6 | 16740.0 | 41.85 | -0.79 | 54.00 | 12.15 | 167 | 171 | Horizontal |
| 7 | 17883.9 | 43.76 | -1.52 | 54.00 | 10.24 | 190 | 276 | Horizontal |

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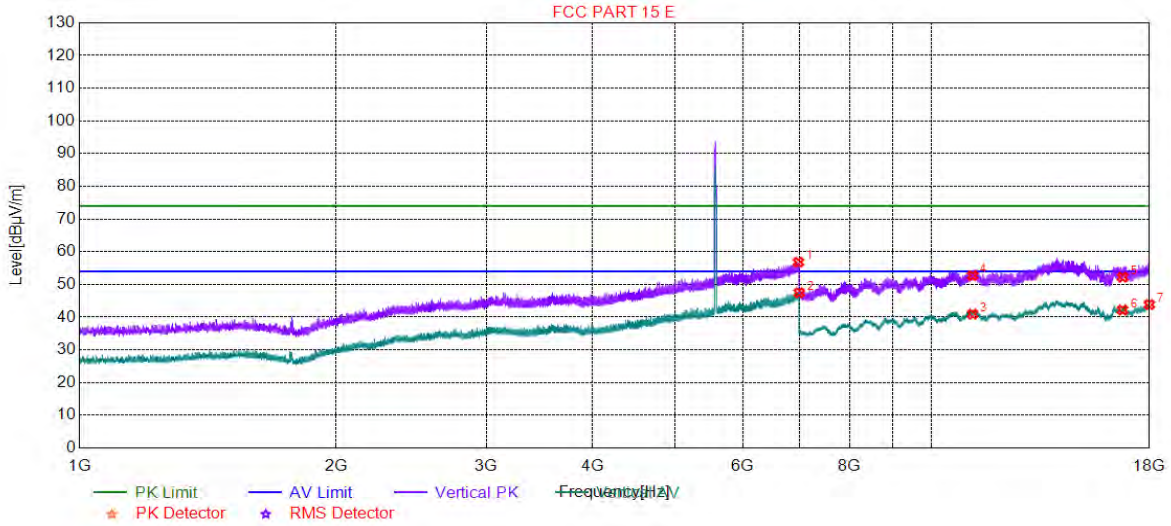
## 4.9.2.40 802.11N20_Channel 116

**Test Graph**




**Suspected List**

| Suspected List | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| NO. | Freq. [MHz] | Level [dBµV/m] | Factor [dB] | Limit [dBµV/m] | Margin [dB] | Height [cm] | Angle [°] | Polarity |
| 1 | 6972.69 | 56.83 | 21.26 | 74.00 | 17.17 | 219 | 220 | Vertical |
| 2 | 6987.69 | 47.47 | 21.27 | 54.00 | 6.53 | 158 | 320 | Vertical |
| 3 | 11160.0 | 40.94 | -2.32 | 54.00 | 13.06 | 276 | 292 | Vertical |
| 4 | 11160.0 | 52.68 | -2.32 | 74.00 | 21.32 | 162 | 0 | Vertical |
| 5 | 16740.0 | 52.24 | -0.79 | 74.00 | 21.76 | 284 | 89 | Vertical |
| 6 | 16740.0 | 42.20 | -0.79 | 54.00 | 11.80 | 273 | 342 | Vertical |
| 7 | 17992.8 | 43.86 | -1.28 | 54.00 | 10.14 | 155 | 342 | Vertical |

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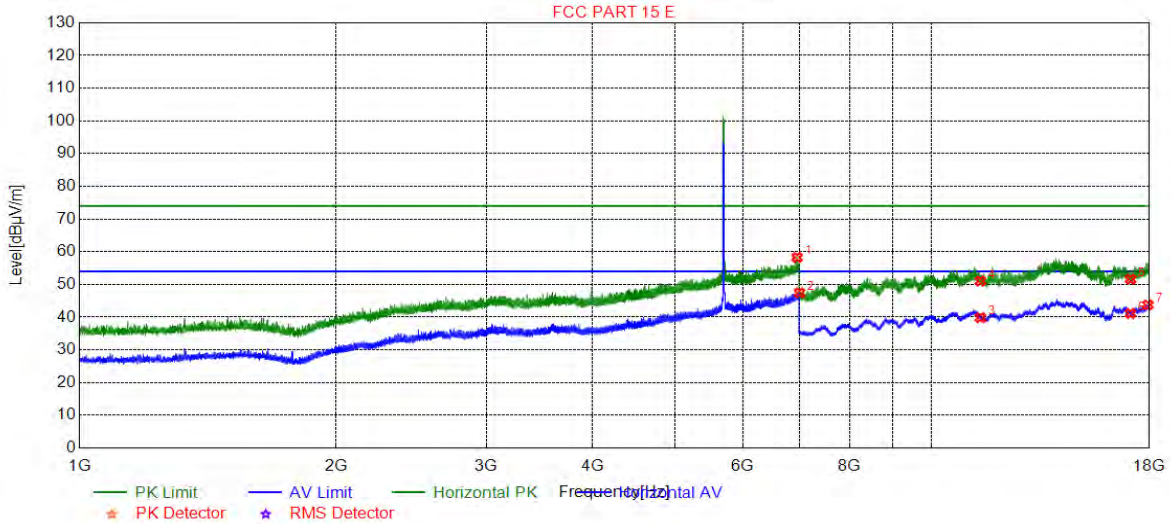
## 4.9.2.41 802.11N20_Channel 140

**Test Graph**




**Suspected List**

| Suspected List | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| NO. | Freq. [MHz] | Level [dBµV/m] | Factor [dB] | Limit [dBµV/m] | Margin [dB] | Height [cm] | Angle [°] | Polarity |
| 1 | 6947.49 | 58.27 | 21.23 | 74.00 | 15.73 | 113 | 193 | Horizontal |
| 2 | 6993.69 | 47.47 | 21.27 | 54.00 | 6.53 | 224 | 243 | Horizontal |
| 3 | 11400.0 | 39.86 | -2.15 | 54.00 | 14.14 | 108 | 330 | Horizontal |
| 4 | 11400.0 | 51.06 | -2.15 | 74.00 | 22.94 | 229 | 280 | Horizontal |
| 5 | 17100.0 | 51.61 | -2.96 | 74.00 | 22.39 | 209 | 330 | Horizontal |
| 6 | 17100.0 | 41.14 | -2.96 | 54.00 | 12.86 | 194 | 177 | Horizontal |
| 7 | 17925.1 | 43.77 | -1.30 | 54.00 | 10.23 | 127 | 122 | Horizontal |

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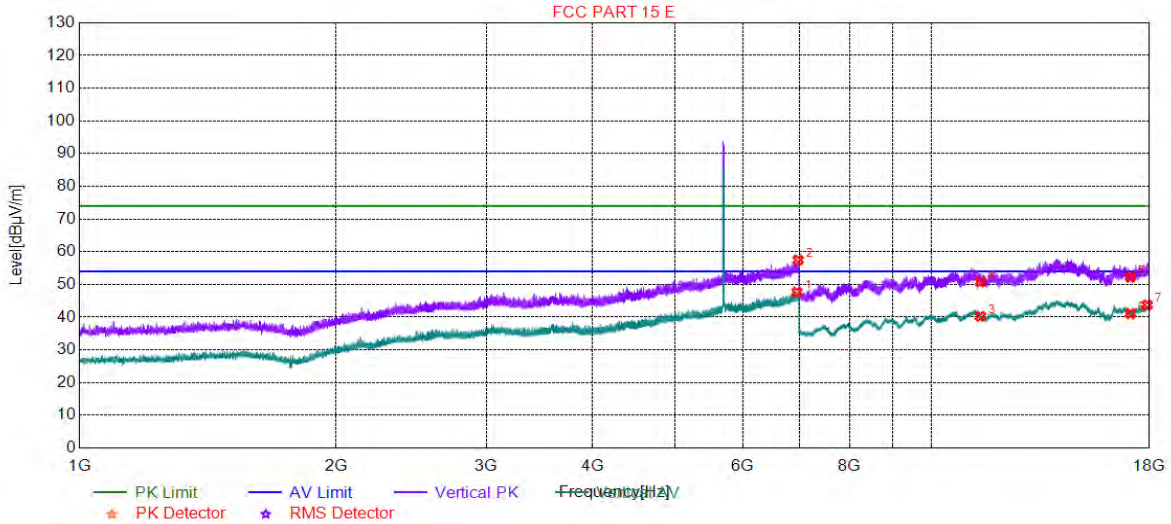
## 4.9.2.42 802.11N20_Channel 140

**Test Graph**




**Suspected List**

| Suspected List | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| NO. | Freq. [MHz] | Level [dBµV/m] | Factor [dB] | Limit [dBµV/m] | Margin [dB] | Height [cm] | Angle [°] | Polarity |
| 1 | 6944.79 | 47.64 | 21.21 | 54.00 | 6.36 | 287 | 317 | Vertical |
| 2 | 6966.69 | 57.51 | 21.26 | 74.00 | 16.49 | 221 | 118 | Vertical |
| 3 | 11400.0 | 40.25 | -2.15 | 54.00 | 13.75 | 289 | 134 | Vertical |
| 4 | 11400.0 | 50.77 | -2.15 | 74.00 | 23.23 | 179 | 235 | Vertical |
| 5 | 17100.0 | 52.25 | -2.96 | 74.00 | 21.75 | 281 | 34 | Vertical |
| 6 | 17100.0 | 41.09 | -2.96 | 54.00 | 12.91 | 186 | 288 | Vertical |
| 7 | 17886.1 | 43.72 | -1.49 | 54.00 | 10.28 | 247 | 34 | Vertical |

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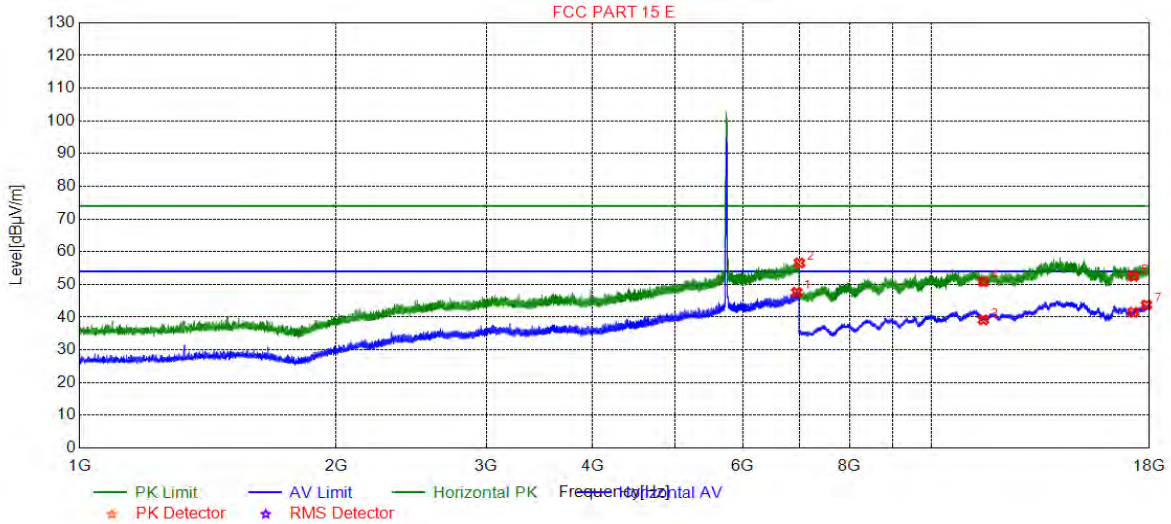
## 4.9.2.43 802.11N20_Channel 149

**Test Graph**




**Suspected List**

| Suspected List | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| NO. | Freq. [MHz] | Level [dBµV/m] | Factor [dB] | Limit [dBµV/m] | Margin [dB] | Height [cm] | Angle [°] | Polarity |
| 1 | 6939.99 | 47.59 | 21.17 | 54.00 | 6.41 | 128 | 292 | Horizontal |
| 2 | 6991.59 | 56.57 | 21.27 | 74.00 | 17.43 | 192 | 41 | Horizontal |
| 3 | 11490.0 | 39.20 | -2.03 | 54.00 | 14.80 | 111 | 119 | Horizontal |
| 4 | 11490.0 | 50.84 | -2.03 | 74.00 | 23.16 | 246 | 169 | Horizontal |
| 5 | 17235.0 | 52.56 | -2.67 | 74.00 | 21.44 | 217 | 360 | Horizontal |
| 6 | 17235.0 | 41.50 | -2.67 | 54.00 | 12.50 | 165 | 269 | Horizontal |
| 7 | 17853.6 | 43.75 | -1.92 | 54.00 | 10.25 | 232 | 18 | Horizontal |

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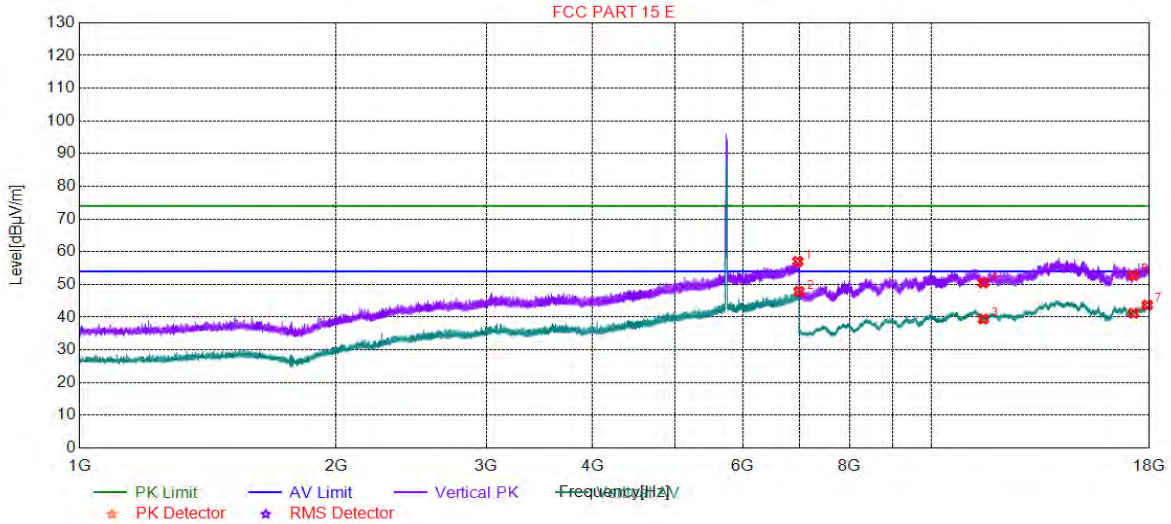
### 4.9.2.44 802.11N20_Channel 149

**Test Graph**




**Suspected List**

| Suspected List | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| NO. | Freq. [MHz] | Level [dBµV/m] | Factor [dB] | Limit [dBµV/m] | Margin [dB] | Height [cm] | Angle [°] | Polarity |
| 1 | 6961.29 | 57.04 | 21.26 | 74.00 | 16.96 | 269 | 117 | Vertical |
| 2 | 6984.69 | 47.85 | 21.27 | 54.00 | 6.15 | 212 | 217 | Vertical |
| 3 | 11490.0 | 39.48 | -2.03 | 54.00 | 14.52 | 166 | 342 | Vertical |
| 4 | 11490.0 | 50.48 | -2.03 | 74.00 | 23.52 | 161 | 242 | Vertical |
| 5 | 17235.0 | 52.76 | -2.67 | 74.00 | 21.24 | 170 | 342 | Vertical |
| 6 | 17235.0 | 41.21 | -2.67 | 54.00 | 12.79 | 270 | 0 | Vertical |
| 7 | 17891.6 | 43.70 | -1.42 | 54.00 | 10.30 | 226 | 192 | Vertical |

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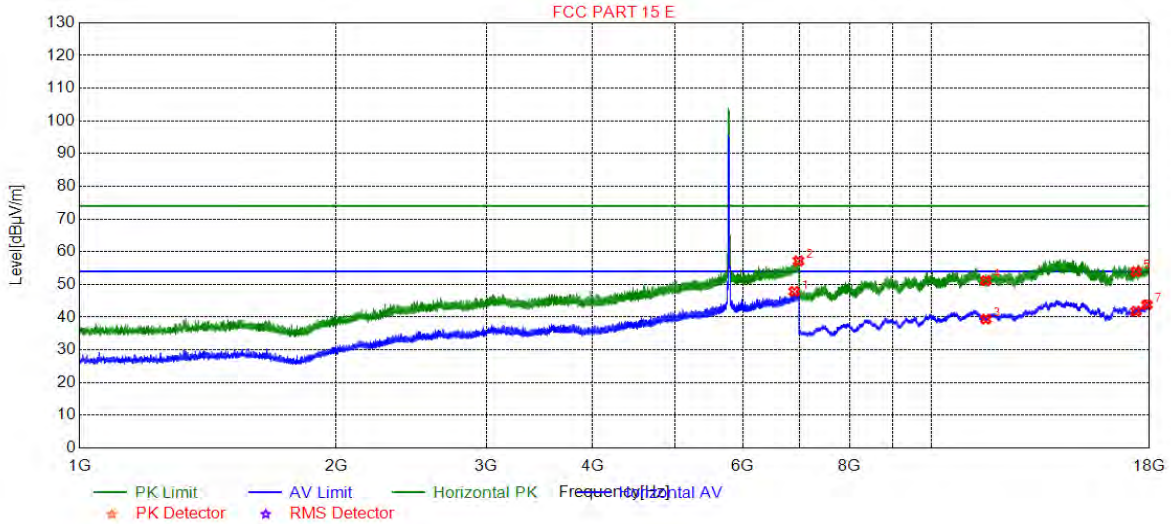
## 4.9.2.45 802.11N20_Channel 157

**Test Graph**




**Suspected List**

| Suspected List | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| NO. | Freq. [MHz] | Level [dBµV/m] | Factor [dB] | Limit [dBµV/m] | Margin [dB] | Height [cm] | Angle [°] | Polarity |
| 1 | 6896.19 | 47.85 | 20.82 | 54.00 | 6.15 | 169 | 292 | Horizontal |
| 2 | 6974.49 | 57.18 | 21.26 | 74.00 | 16.82 | 110 | 44 | Horizontal |
| 3 | 11570.0 | 39.42 | -2.39 | 54.00 | 14.58 | 154 | 269 | Horizontal |
| 4 | 11570.0 | 51.17 | -2.39 | 74.00 | 22.83 | 116 | 18 | Horizontal |
| 5 | 17355.0 | 53.92 | -1.94 | 74.00 | 20.08 | 220 | 360 | Horizontal |
| 6 | 17355.0 | 41.81 | -1.94 | 54.00 | 12.19 | 236 | 218 | Horizontal |
| 7 | 17872.3 | 43.77 | -1.67 | 54.00 | 10.23 | 224 | 18 | Horizontal |

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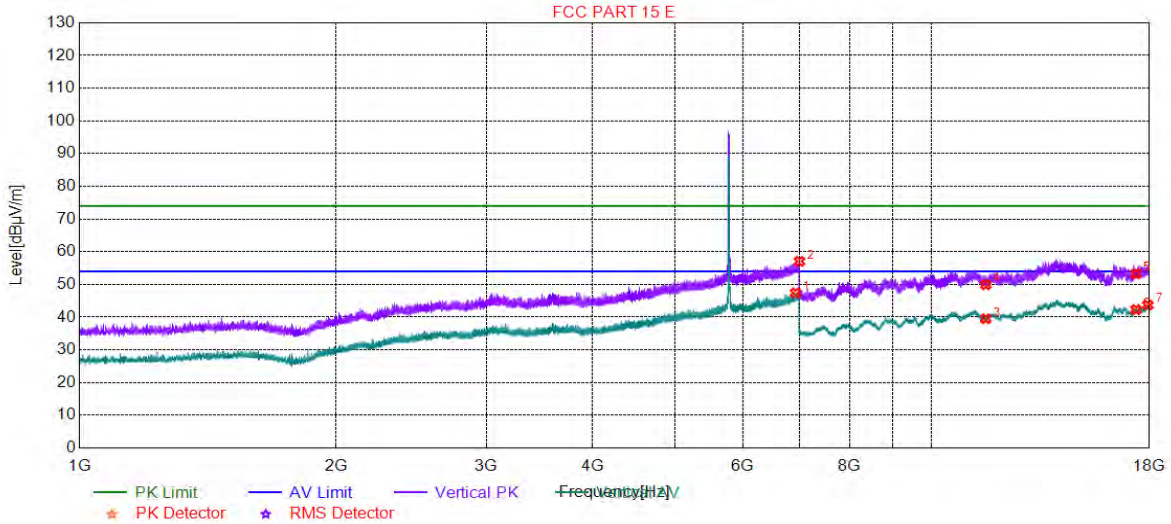
### 4.9.2.46 802.11N20_Channel 157

**Test Graph**




**Suspected List**

| Suspected List | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| NO. | Freq. [MHz] | Level [dBµV/m] | Factor [dB] | Limit [dBµV/m] | Margin [dB] | Height [cm] | Angle [°] | Polarity |
| 1 | 6921.09 | 47.42 | 21.00 | 54.00 | 6.58 | 247 | 359 | Vertical |
| 2 | 6992.19 | 57.07 | 21.27 | 74.00 | 16.93 | 252 | 317 | Vertical |
| 3 | 11570.0 | 39.52 | -2.39 | 54.00 | 14.48 | 154 | 142 | Vertical |
| 4 | 11570.0 | 49.95 | -2.39 | 74.00 | 24.05 | 257 | 42 | Vertical |
| 5 | 17355.0 | 53.30 | -1.94 | 74.00 | 20.70 | 247 | 242 | Vertical |
| 6 | 17355.0 | 42.29 | -1.94 | 54.00 | 11.71 | 253 | 92 | Vertical |
| 7 | 17916.3 | 43.70 | -1.31 | 54.00 | 10.30 | 151 | 192 | Vertical |

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