**AC Line Conducted Emissions (Data List)**

Test Mode: U-NII 1 & 802.11a & MIMO(CDD) & 5180 MHz

# Results of Conducted Emission

DTNC Date 2018-03-28

| | | | |
|---|---|---|---|
| Order No. | DTNC1803-02188 | Referrence No. | |
| Model No. | LM-V350EM | Power Supply | |
| Serial No. | | Temp/Humi. | 24/43 |
| Test Condition | 5.1G | Operator | S.G.LEE |

Memo

LIMIT : FCC P15.207 QP
FCC P15.207 AV

| NO | FREQ | READING | | C.FACTOR | RESULT | | LIMIT | | MARGIN | | PHASE |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | QP | CAV | | QP | CAV | QP | CAV | QP | CAV | |
| | [MHz] | [dBuV] | [dBuV] | [dB] | [dBuV] | [dBuV] | [dBuV] | [dBuV] | [dBuV] | [dBuV] | |
| 1 | 0.19569 | 20.75 | 7.53 | 9.94 | 30.69 | 17.47 | 63.79 | 53.79 | 33.10 | 36.32 | N |
| 2 | 0.25938 | 17.46 | 4.74 | 9.95 | 27.41 | 14.69 | 61.45 | 51.45 | 34.04 | 36.76 | N |
| 3 | 0.51934 | 14.83 | 6.19 | 9.99 | 24.82 | 16.18 | 56.00 | 46.00 | 31.18 | 29.82 | N |
| 4 | 3.74480 | 14.10 | 7.04 | 10.06 | 24.16 | 17.10 | 56.00 | 46.00 | 31.84 | 28.90 | N |
| 5 | 12.66280 | 25.15 | 16.65 | 10.26 | 35.41 | 26.91 | 60.00 | 50.00 | 24.59 | 23.09 | N |
| 6 | 28.02260 | 14.19 | 3.85 | 10.49 | 24.68 | 14.34 | 60.00 | 50.00 | 35.32 | 35.66 | N |
| 7 | 0.19589 | 19.09 | 6.79 | 9.94 | 29.03 | 16.73 | 63.78 | 53.78 | 34.75 | 37.05 | L1 |
| 8 | 0.26408 | 14.30 | 3.98 | 9.95 | 24.25 | 13.93 | 61.30 | 51.30 | 37.05 | 37.37 | L1 |
| 9 | 0.85482 | 12.08 | -0.78 | 9.98 | 22.06 | 9.20 | 56.00 | 46.00 | 33.94 | 36.80 | L1 |
| 10 | 2.14320 | 9.63 | 1.61 | 10.04 | 19.67 | 11.65 | 56.00 | 46.00 | 36.33 | 34.35 | L1 |
| 11 | 13.09160 | 25.16 | 17.19 | 10.27 | 35.43 | 27.46 | 60.00 | 50.00 | 24.57 | 22.54 | L1 |
| 12 | 28.28540 | 15.24 | 3.10 | 10.48 | 25.72 | 13.58 | 60.00 | 50.00 | 34.28 | 36.42 | L1 |

**AC Line Conducted Emissions (Graph)**

Test Mode: U-NII 2A & 802.11a & MIMO(CDD) & 5320 MHz

## Results of Conducted Emission

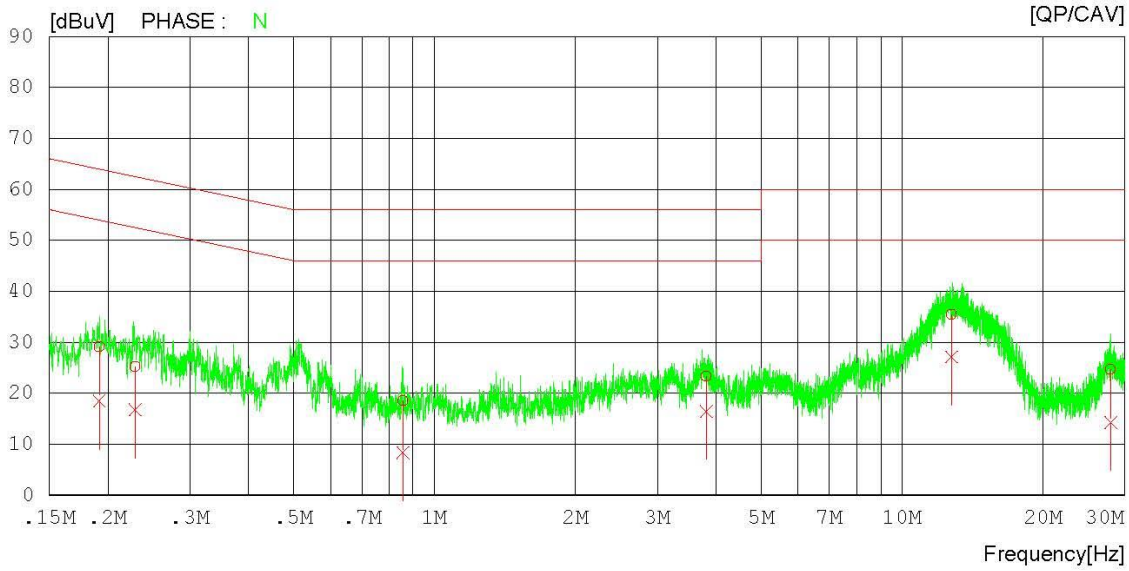
DTNC

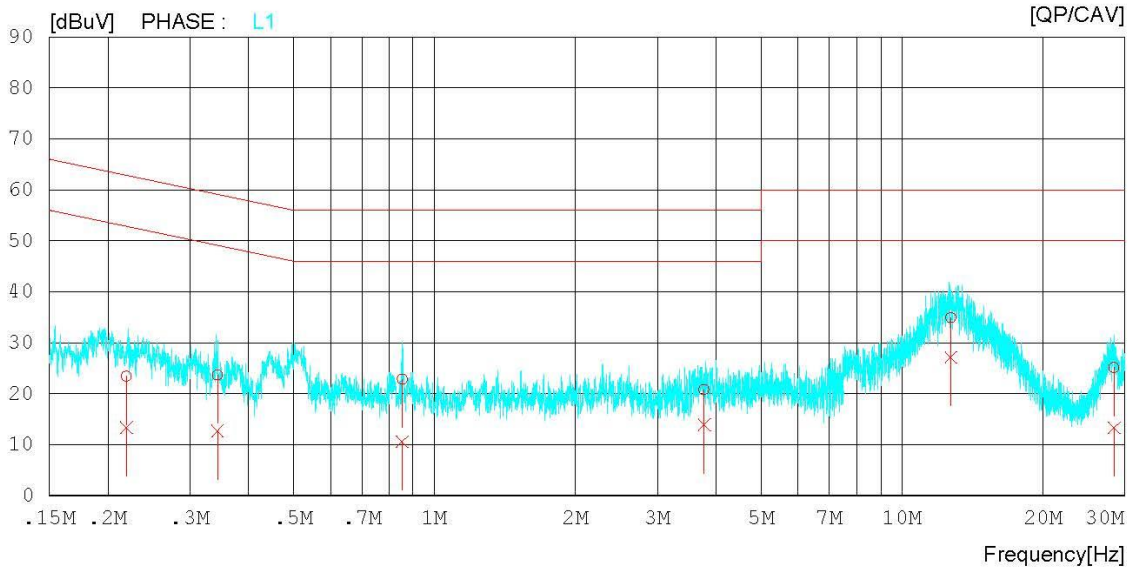
Date 2018-03-28

| | | | |
|---|---|---|---|
| Order No. | DTNC1803-02188 | Referrence No. | |
| Model No. | LM-V350EM | Power Supply | |
| Serial No. | | Temp/Humi. | 24/43 |
| Test Condition | 5.3G | Operator | S.G.LEE |

Memo

LIMIT : FCC P15.207 QP
FCC P15.207 AV



**AC Line Conducted Emissions (Data List)**

Test Mode: U-NII 2A & 802.11a & MIMO(CDD) & 5320 MHz

# Results of Conducted Emission

DTNC Date 2018-03-28

| | | | |
|---|---|---|---|
| Order No. | DTNC1803-02188 | Referrence No. | |
| Model No. | LM-V350EM | Power Supply | |
| Serial No. | | Temp/Humi. | 24/43 |
| Test Condition | 5.3G | Operator | S.G.LEE |

Memo

LIMIT : FCC P15.207 QP
FCC P15.207 AV

| NO | FREQ | READING QP | READING CAV | C.FACTOR | RESULT QP | RESULT CAV | LIMIT QP | LIMIT CAV | MARGIN QP | MARGIN CAV | PHASE |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | [MHz] | [dBuV] | [dBuV] | [dB] | [dBuV] | [dBuV] | [dBuV] | [dBuV] | [dBuV] | [dBuV] | |
| 1 | 0.19183 | 19.18 | 8.54 | 9.95 | 29.13 | 18.49 | 63.96 | 53.96 | 34.83 | 35.47 | N |
| 2 | 0.22915 | 15.26 | 6.85 | 9.94 | 25.20 | 16.79 | 62.48 | 52.48 | 37.28 | 35.69 | N |
| 3 | 0.85558 | 8.50 | -1.60 | 9.98 | 18.48 | 8.38 | 56.00 | 46.00 | 37.52 | 37.62 | N |
| 4 | 3.81600 | 13.23 | 6.40 | 10.06 | 23.29 | 16.46 | 56.00 | 46.00 | 32.71 | 29.54 | N |
| 5 | 12.77600 | 25.15 | 16.90 | 10.26 | 35.41 | 27.16 | 60.00 | 50.00 | 24.59 | 22.84 | N |
| 6 | 27.96660 | 14.14 | 3.81 | 10.49 | 24.63 | 14.30 | 60.00 | 50.00 | 35.37 | 35.70 | N |
| 7 | 0.21955 | 13.45 | 3.34 | 9.94 | 23.39 | 13.28 | 62.84 | 52.84 | 39.45 | 39.56 | L1 |
| 8 | 0.34338 | 13.65 | 2.66 | 9.96 | 23.61 | 12.62 | 59.12 | 49.12 | 35.51 | 36.50 | L1 |
| 9 | 0.85343 | 12.85 | 0.53 | 9.98 | 22.83 | 10.51 | 56.00 | 46.00 | 33.17 | 35.49 | L1 |
| 10 | 3.77600 | 10.67 | 3.80 | 10.06 | 20.73 | 13.86 | 56.00 | 46.00 | 35.27 | 32.14 | L1 |
| 11 | 12.73200 | 24.55 | 16.87 | 10.26 | 34.81 | 27.13 | 60.00 | 50.00 | 25.19 | 22.87 | L1 |
| 12 | 28.45600 | 14.62 | 2.75 | 10.48 | 25.10 | 13.23 | 60.00 | 50.00 | 34.90 | 36.77 | L1 |

**AC Line Conducted Emissions (Graph)**

Test Mode: U-NII 2C & 802.11a & MIMO(CDD) & 5500 MHz

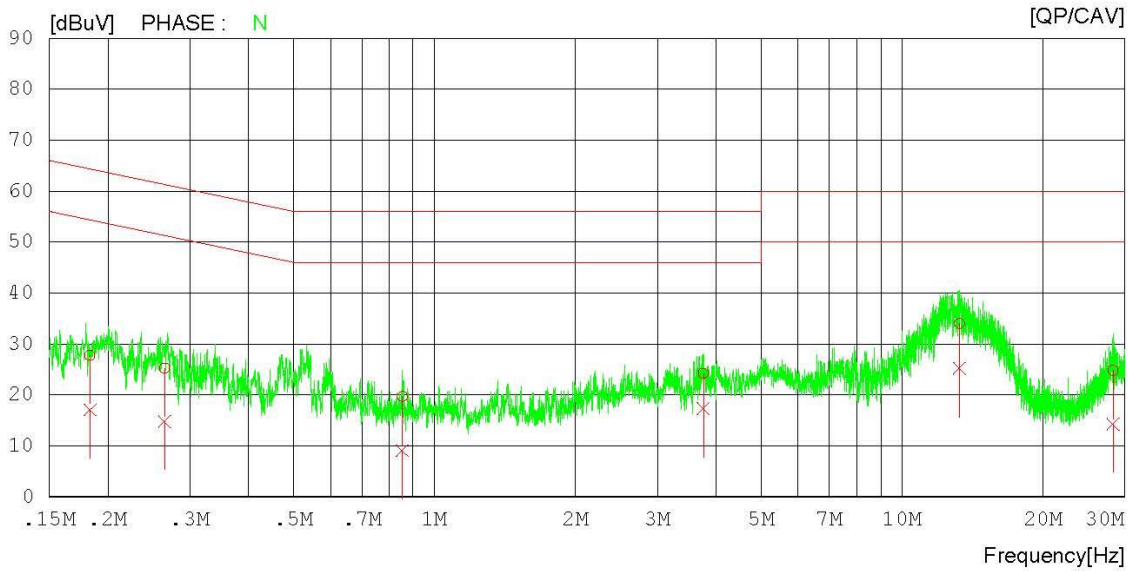
## Results of Conducted Emission

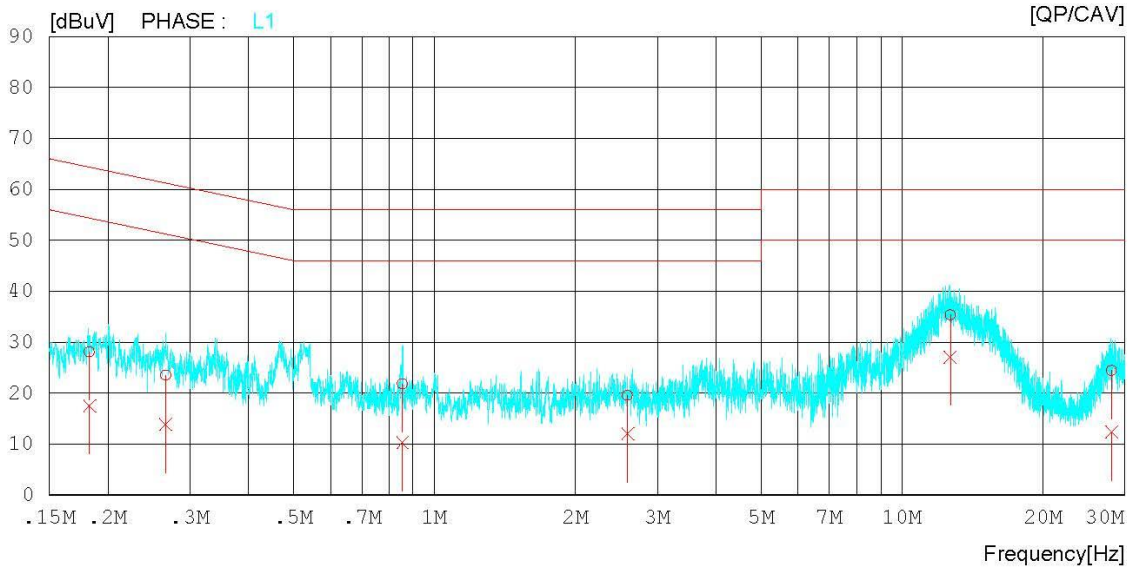
DTNC Date 2018-03-28

| | | | |
|---|---|---|---|
| Order No. | DTNC1803-02188 | Referrence No. | |
| Model No. | LM-V350EM | Power Supply | |
| Serial No. | | Temp/Humi. | 24/43 |
| Test Condition | 5.5G | Operator | S.G.LEE |

Memo

LIMIT : FCC P15.207 QP
FCC P15.207 AV



**AC Line Conducted Emissions (Data List)**

Test Mode: U-NII 2C & 802.11a & MIMO(CDD) & 5500 MHz

# Results of Conducted Emission

DTNC Date 2018-03-28

| | | | |
|---|---|---|---|
| Order No. | DTNC1803-02188 | Referrence No. | |
| Model No. | LM-V350EM | Power Supply | |
| Serial No. | | Temp/Humi. | 24/43 |
| Test Condition | 5.5G | Operator | S.G.LEE |

Memo

LIMIT : FCC P15.207 QP
FCC P15.207 AV

| NO | FREQ | READING QP | READING CAV | C.FACTOR | RESULT QP | RESULT CAV | LIMIT QP | LIMIT CAV | MARGIN QP | MARGIN CAV | PHASE |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | [MHz] | [dBuV] | [dBuV] | [dB] | [dBuV] | [dBuV] | [dBuV] | [dBuV] | [dBuV] | [dBuV] | |
| 1 | 0.18338 | 17.83 | 7.09 | 9.96 | 27.79 | 17.05 | 64.33 | 54.33 | 36.54 | 37.28 | N |
| 2 | 0.26454 | 15.29 | 4.92 | 9.95 | 25.24 | 14.87 | 61.29 | 51.29 | 36.05 | 36.42 | N |
| 3 | 0.85284 | 9.74 | -0.88 | 9.98 | 19.72 | 9.10 | 56.00 | 46.00 | 36.28 | 36.90 | N |
| 4 | 3.75620 | 14.17 | 7.22 | 10.06 | 24.23 | 17.28 | 56.00 | 46.00 | 31.77 | 28.72 | N |
| 5 | 13.27440 | 23.72 | 14.90 | 10.27 | 33.99 | 25.17 | 60.00 | 50.00 | 26.01 | 24.83 | N |
| 6 | 28.32440 | 14.27 | 3.83 | 10.48 | 24.75 | 14.31 | 60.00 | 50.00 | 35.25 | 35.69 | N |
| 7 | 0.18290 | 18.11 | 7.58 | 9.96 | 28.07 | 17.54 | 64.35 | 54.35 | 36.28 | 36.81 | L1 |
| 8 | 0.26615 | 13.48 | 3.90 | 9.95 | 23.43 | 13.85 | 61.24 | 51.24 | 37.81 | 37.39 | L1 |
| 9 | 0.85393 | 11.82 | 0.24 | 9.98 | 21.80 | 10.22 | 56.00 | 46.00 | 34.20 | 35.78 | L1 |
| 10 | 2.58720 | 9.40 | 1.90 | 10.05 | 19.45 | 11.95 | 56.00 | 46.00 | 36.55 | 34.05 | L1 |
| 11 | 12.68660 | 25.06 | 16.77 | 10.26 | 35.32 | 27.03 | 60.00 | 50.00 | 24.68 | 22.97 | L1 |
| 12 | 28.10840 | 13.91 | 1.81 | 10.49 | 24.40 | 12.30 | 60.00 | 50.00 | 35.60 | 37.70 | L1 |

**AC Line Conducted Emissions (Graph)**

Test Mode: U-NII 2C & 802.11a & MIMO(CDD) & 5745 MHz

## Results of Conducted Emission

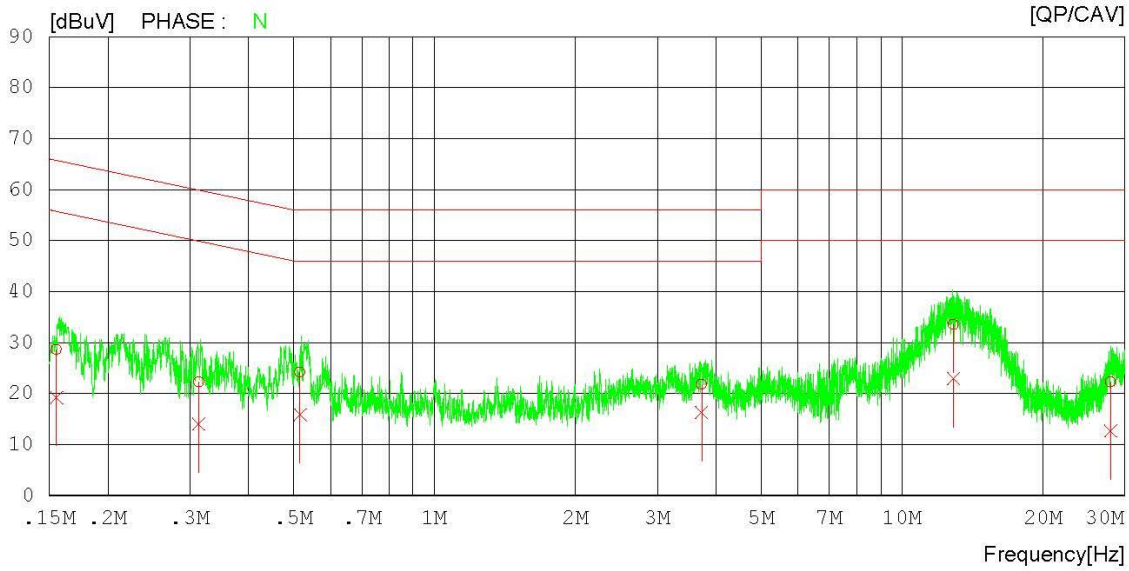
DTNC

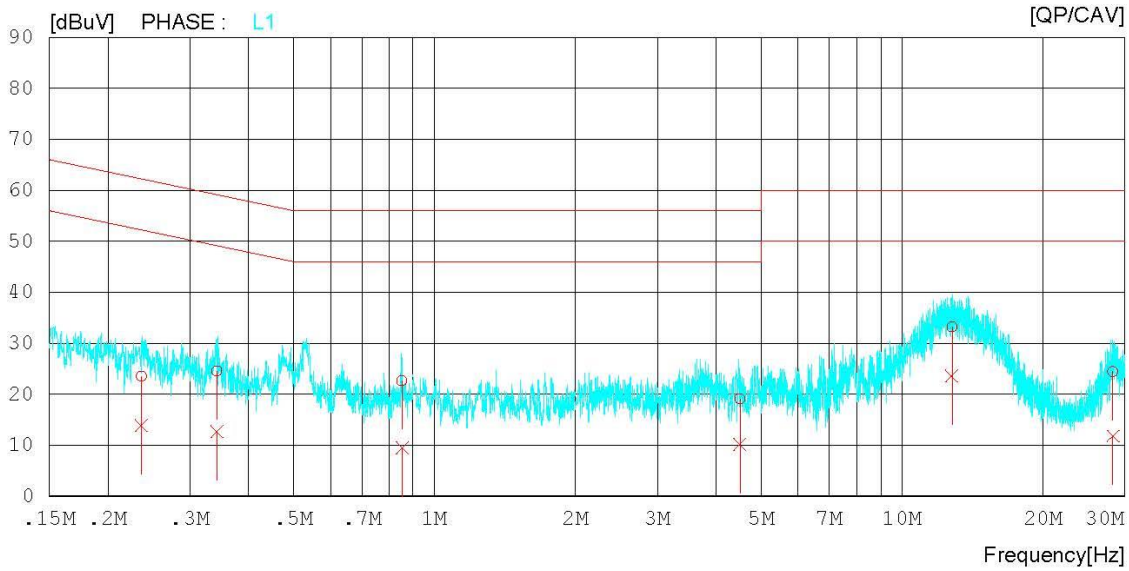
Date 2018-03-28

| | | | |
|---|---|---|---|
| Order No. | DTNC1803-02188 | Referrence No. | |
| Model No. | LM-V350EM | Power Supply | |
| Serial No. | | Temp/Humi. | 24/43 |
| Test Condition | 5.7G | Operator | S.G.LEE |

Memo

LIMIT : FCC P15.207 QP
FCC P15.207 AV



**AC Line Conducted Emissions (Data List)**

Test Mode: U-NII 2C & 802.11a & MIMO(CDD) & 5745 MHz

# Results of Conducted Emission

DTNC Date 2018-03-28

| | | | |
|---|---|---|---|
| Order No. | DTNC1803-02188 | Referrence No. | |
| Model No. | LM-V350EM | Power Supply | |
| Serial No. | | Temp/Humi. | 24/43 |
| Test Condition | 5.7G | Operator | S.G.LEE |

Memo

LIMIT : FCC P15.207 QP
FCC P15.207 AV

| NO | FREQ | READING QP | READING CAV | C.FACTOR | RESULT QP | RESULT CAV | LIMIT QP | LIMIT CAV | MARGIN QP | MARGIN CAV | PHASE |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | [MHz] | [dBuV] | [dBuV] | [dB] | [dBuV] | [dBuV] | [dBuV] | [dBuV] | [dBuV] | [dBuV] | |
| 1 | 0.15537 | 18.63 | 9.22 | 9.98 | 28.61 | 19.20 | 65.71 | 55.71 | 37.10 | 36.51 | N |
| 2 | 0.31320 | 12.31 | 4.11 | 9.96 | 22.27 | 14.07 | 59.89 | 49.89 | 37.62 | 35.82 | N |
| 3 | 0.51560 | 14.23 | 5.89 | 9.99 | 24.22 | 15.88 | 56.00 | 46.00 | 31.78 | 30.12 | N |
| 4 | 3.72640 | 11.75 | 6.25 | 10.06 | 21.81 | 16.31 | 56.00 | 46.00 | 34.19 | 29.69 | N |
| 5 | 12.89600 | 23.30 | 12.61 | 10.26 | 33.56 | 22.87 | 60.00 | 50.00 | 26.44 | 27.13 | N |
| 6 | 27.94820 | 11.81 | 2.15 | 10.49 | 22.30 | 12.64 | 60.00 | 50.00 | 37.70 | 37.36 | N |
| 7 | 0.23595 | 13.57 | 3.87 | 9.95 | 23.52 | 13.82 | 62.24 | 52.24 | 38.72 | 38.42 | L1 |
| 8 | 0.34196 | 14.52 | 2.68 | 9.96 | 24.48 | 12.64 | 59.16 | 49.16 | 34.68 | 36.52 | L1 |
| 9 | 0.85192 | 12.59 | -0.57 | 9.98 | 22.57 | 9.41 | 56.00 | 46.00 | 33.43 | 36.59 | L1 |
| 10 | 4.49700 | 8.94 | 0.06 | 10.07 | 19.01 | 10.13 | 56.00 | 46.00 | 36.99 | 35.87 | L1 |
| 11 | 12.80500 | 22.85 | 13.24 | 10.26 | 33.11 | 23.50 | 60.00 | 50.00 | 26.89 | 26.50 | L1 |
| 12 | 28.27880 | 13.93 | 1.30 | 10.48 | 24.41 | 11.78 | 60.00 | 50.00 | 35.59 | 38.22 | L1 |

# 9. LIST OF TEST EQUIPMENT

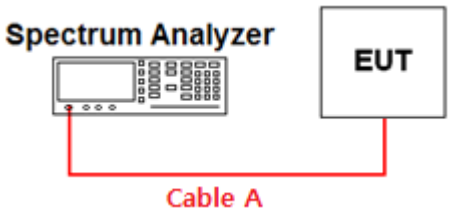
| Type | Manufacturer | Model | Cal.Date (yy/mm/dd) | Next.Cal.Date (yy/mm/dd) | S/N |
|---|---|---|---|---|---|
| Spectrum Analyzer | Agilent Technologies | N9020A | 17/07/12 | 18/07/12 | MY46471601 |
| Spectrum Analyzer | Agilent Technologies | N9020A | 18/01/03 | 19/01/03 | MY48011700 |
| Spectrum Analyzer | Agilent Technologies | N9030A | 17/09/07 | 18/09/07 | MY53310140 |
| DC Power Supply | Agilent | 66332A | 17/09/05 | 18/09/05 | MY43000719 |
| DC Power Supply | Agilent | 66332A | 17/12/27 | 18/12/27 | US37473833 |
| Multimeter | FLUKE | 17B | 17/12/26 | 18/12/26 | 26030065WS |
| Thermohygrometer | BODYCOM | BJ5478 | 17/09/11 | 18/09/11 | N/A |
| Thermohygrometer | BODYCOM | BJ5478 | 18/01/03 | 19/01/03 | 120612-2 |
| 50W 10dB ATT | SMAJK | SMAJK-50-10 | 17/09/06 | 18/09/06 | 2-50-10 |
| Signal Generator | Rohde Schwarz | SMBV100A | 17/12/27 | 18/12/27 | 255571 |
| Signal Generator | Rohde Schwarz | SMF100A | 17/12/27 | 18/12/27 | 102341 |
| Temp & Humi Test Chamber | SJ Science | SJ-TH-S50 | 17/09/07 | 18/09/07 | U5542113 |
| Attenuator | SMAJK | SMAJK-2-3 | 17/09/06 | 18/09/06 | 3 |
| Attenuator | Aeroflex/Weinschel | 56-3 | 17/12/27 | 18/12/27 | Y2370 |
| Attenuator | SRTechnology | F01-B0606-01 | 17/09/07 | 18/09/07 | 13092403 |
| Attenuator | Hefei Shunze | SS5T2.92-10-40 | 17/12/27 | 18/12/27 | 16012202 |
| Loop Antenna | ETS | 6502 | 17/03/24 | 19/03/24 | 3471 |
| BILOG ANTENNA | Schwarzbeck | VULB 9160 | 17/04/14 | 19/04/14 | 9160-3339 |
| Horn Antenna | ETS-Lindgren | 3115 | 17/01/13 | 19/01/13 | 9202-3820 |
| Horn Antenna | Schwarzbeck | BBHA 9120C | 17/12/04 | 19/12/04 | 9120C-561 |
| Horn Antenna | A.H.Systems Inc. | SAS-574 | 17/07/31 | 19/07/31 | 155 |
| PreAmplifier | tsj | MLA-100K01-B01-26 | 18/02/19 | 19/02/19 | 1252741 |
| PreAmplifier | tsj | MLA-0118-J01-45 | 18/02/08 | 19/02/08 | 17138 |
| PreAmplifier | tsj | MLA-1840-J02-45 | 17/10/26 | 18/10/26 | 16966-10728 |
| EMI Test Receiver | Rohde Schwarz | ESR7 | 17/07/06 | 18/07/06 | 100469 |
| EMI Test Receiver | Rohde Schwarz | ESR7 | 18/02/13 | 19/02/13 | 101061 |
| High Pass Filter | Wainwright Instruments | WHKX12-935-1000-15000-40SS | 17/09/05 | 18/09/05 | 8 |
| High Pass Filter | Wainwright Instruments | WHKX10-2838-3300-18000-60SS | 17/09/06 | 18/09/06 | 1 |
| High Pass Filter | Wainwright Instruments | WHNX8.0/26.5-6SS | 17/12/26 | 18/12/26 | 3 |
| Power Meter & Wide Bandwidth Sensor | Anritsu | ML2496A MA2411B | 17/12/27 | 18/12/27 | 1338004 1306053 |
| PULSE LIMITER | Rohde Schwarz | ESH3-Z2 | 17/09/29 | 18/09/29 | 101333 |
| LISN | SCHWARZBECK | NNLK 8121 | 18/03/20 | 19/03/20 | 06183 |
| Cable | Radiall | TESTPRO3 | N/A | N/A | RF-45 |
| Cable | DT&C | CABLE | N/A | N/A | RF-68 |
| Cable | DT&C | CABLE | N/A | N/A | RF-71 |
| Cable | DT&C | CABLE | N/A | N/A | P-IN |
| Cable | DT&C | CABLE | N/A | N/A | RF-82 |
| Cable | JUNFLON | MWX315 | N/A | N/A | J12J101978-00 |
| Cable | Fairview Microwave | FM-F141 | N/A | N/A | 17050010 |
| Cable | Fairview Microwave | FM-F141 | N/A | N/A | 17050011 |
| Cable | Fairview Microwave | FM-F141 | N/A | N/A | 17050012 |
| Cable | Radiall | TESTPRO3 | N/A | N/A | RF-74 |
| Cable | Radiall | TESTPRO3 | N/A | N/A | RF-66 |

Note: The measurement antennas were calibrated in accordance to the requirements of ANSI C63.5-2017

# APPENDIX I

## Conducted Test set up Diagram

### ▪ Conducted Measurement



# APPENDIX II

## Duty Cycle Information

### ▣ Test Procedure

**Duty Cycle [X = On Time / ( On + Off time )]** is measured using Measurement Procedure **of KDB789033 D02v02r01**

1. Set the center frequency of the spectrum analyzer to the center frequency of the transmission.
2. Set RBW ≥ EBW if possible; otherwise, set RBW to the largest available value.
3. Set VBW ≥ RBW. Set detector = peak.
4. Note : The zero-span measurement method shall not be used unless both **RBW and VBW are > 50/*T***, where *T* is defined in section II.B.1.a), and **the number of sweep points across duration *T* exceeds 100**. (For example, if VBW and/or RBW are limited to 3 MHz, then the zero-span method of measuring duty cycle shall not be used if *T* ≤ 16.7 microseconds.)

   *T* : The minimum transmission duration over which the transmitter is on and is transmitting at its maximum power control level for the tested mode of operation.
   (***T* = On time** of the above table since the EUT operates with above fixed Duty Cycle and it is the minimum On time)

### ▣ Test Results:

**Duty cycle: Single**

| Mode | Data Rate | Tested Frequency [MHz] | Maximum Achievable Duty Cycle (*x*) = On / (On+Off) | | | Duty Cycle Correction Factor [dB] | 50/*T* [kHz] |
|---|---|---|---|---|---|---|---|
| | | | On Time [ms] | (On+Off) Time [ms] | *x* | | |
| 802.11a | 6Mbps | 5180 | 2.03 | 2.07 | 98.07 | 0.09 | 24.63 |
| 802.11ac (VHT20) | MCS0 | 5180 | 1.90 | 1.94 | 97.94 | 0.10 | 26.32 |
| 802.11ac (VHT40) | MCS0 | 5190 | 1.27 | 1.31 | 96.79 | 0.15 | 39.46 |
| 802.11ac (VHT80) | MCS0 | 5210 | 1.17 | 1.21 | 96.69 | 0.15 | 42.74 |

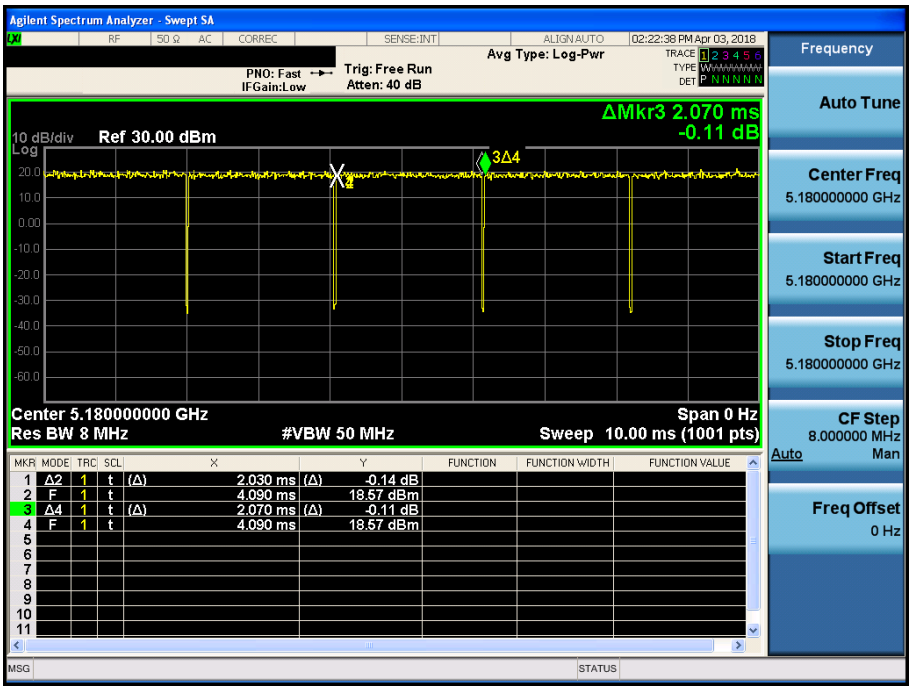
**Duty cycle: SDM**

| Mode | Data Rate | Tested Frequency [MHz] | Maximum Achievable Duty Cycle (*x*) = On / (On+Off) | | | Duty Cycle Correction Factor [dB] | 50/*T* [kHz] |
|---|---|---|---|---|---|---|---|
| | | | On Time [ms] | (On+Off) Time [ms] | *x* | | |
| 802.11ac (VHT20) | MCS0 | 5180 | 0.98 | 1.01 | 96.53 | 0.16 | 51.28 |
| 802.11ac (VHT40) | MCS0 | 5190 | 0.66 | 0.70 | 94.44 | 0.25 | 75.41 |
| 802.11ac (VHT80) | MCS0 | 5210 | 0.61 | 0.65 | 94.44 | 0.25 | 81.70 |

## Single Transmit

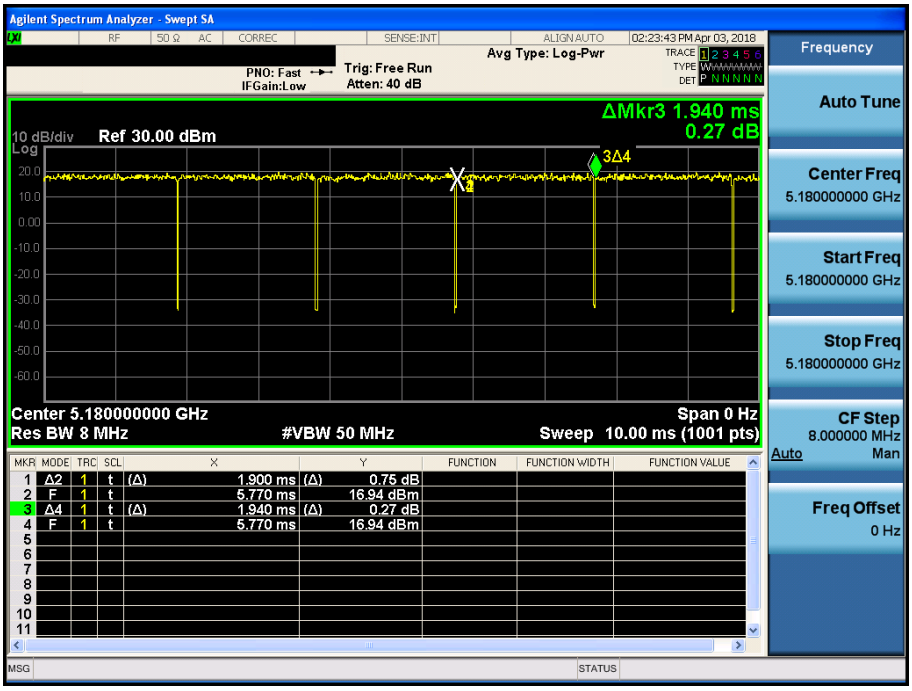
### Duty Cycle

Test Mode: 802.11a & Ch.36

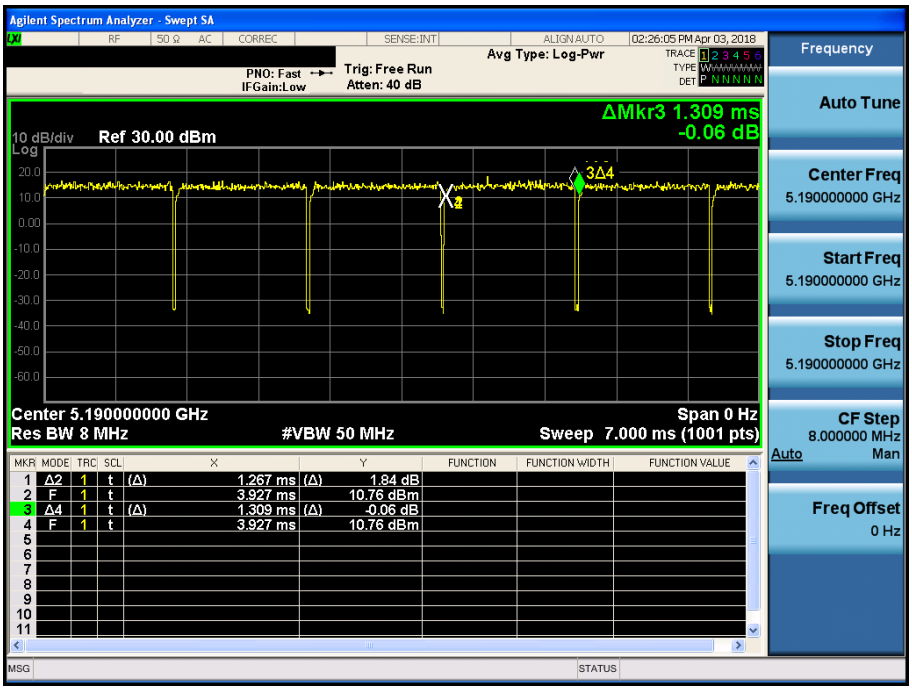



### Duty Cycle

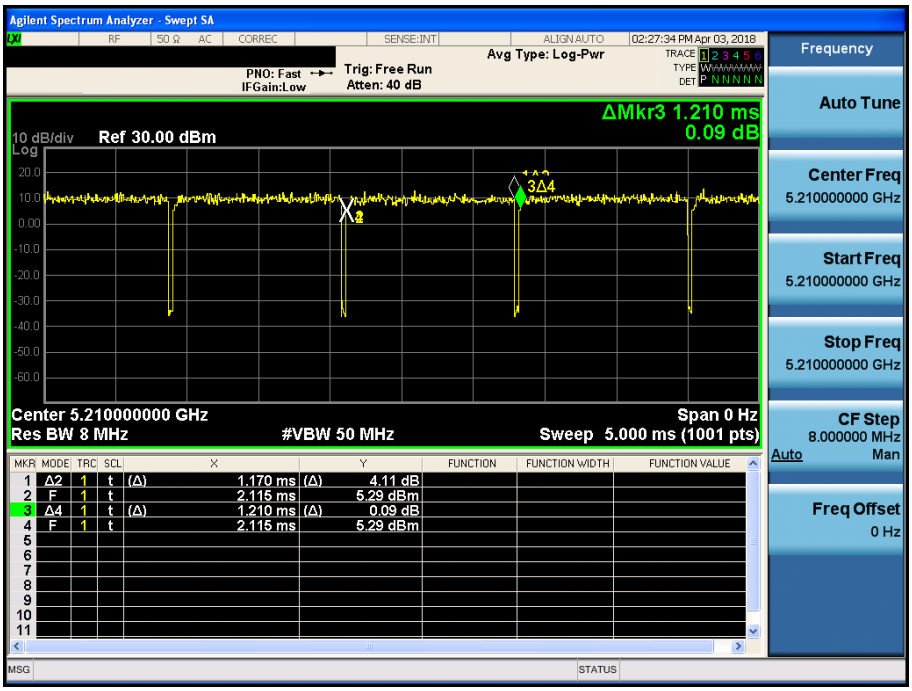
Test Mode: 802.11ac VHT20 & Ch.36



**Duty Cycle** Test Mode: 802.11ac VHT40 & Ch.38



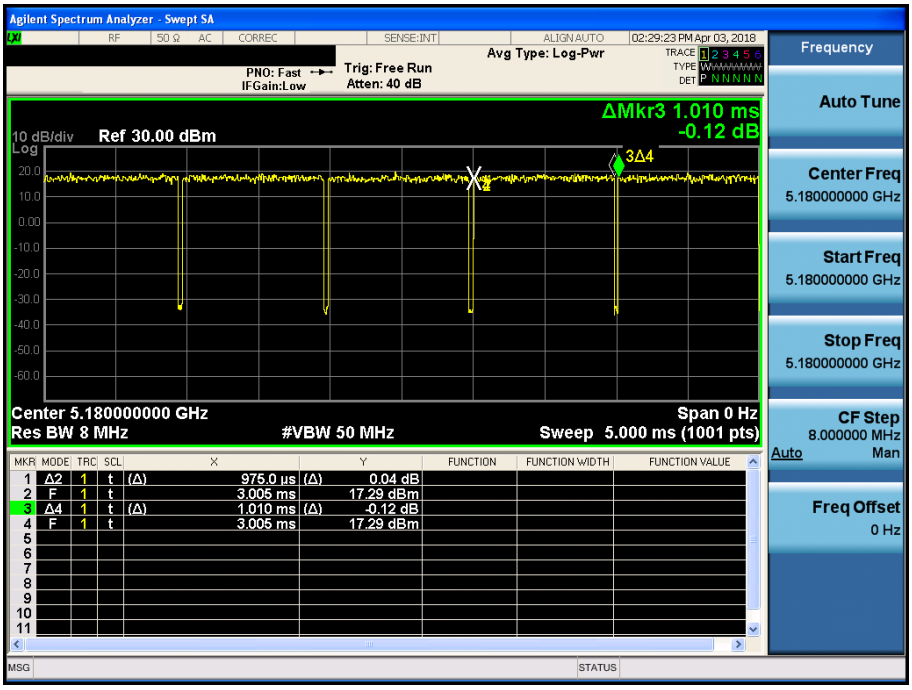

**Duty Cycle** Test Mode: 802.11ac VHT80 & Ch.42



## Multiple Transmit _ SDM

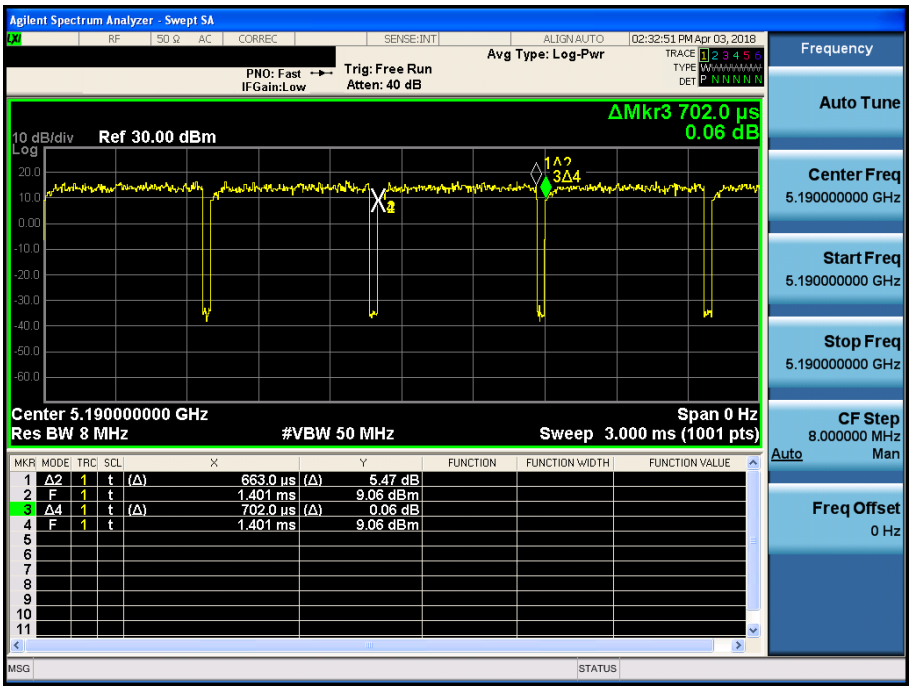
### Duty Cycle

Test Mode: 802.11ac VHT20 & Ch.36

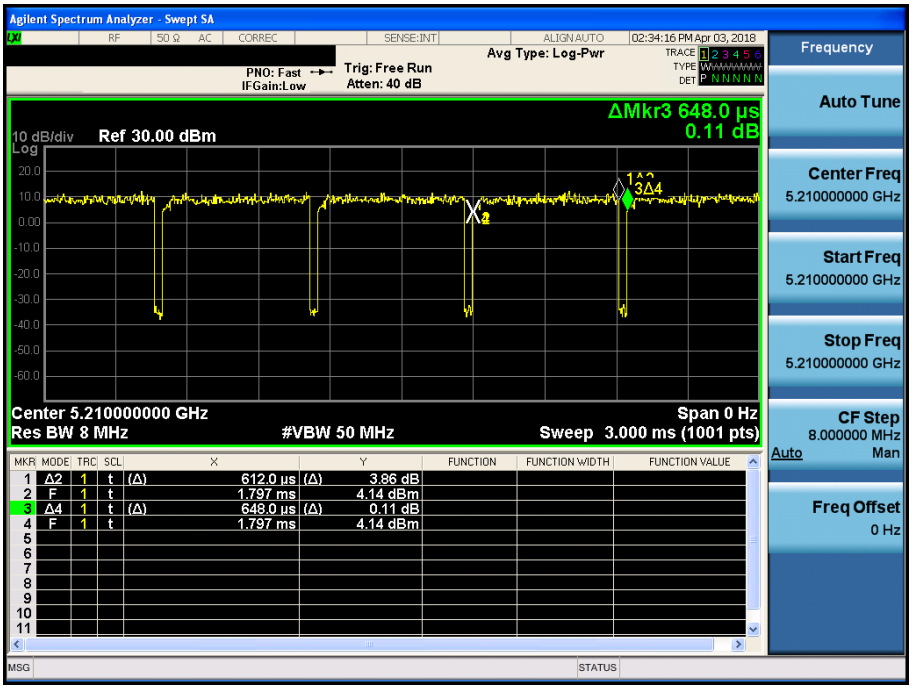



### Duty Cycle

Test Mode: 802.11ac VHT40 & Ch.38



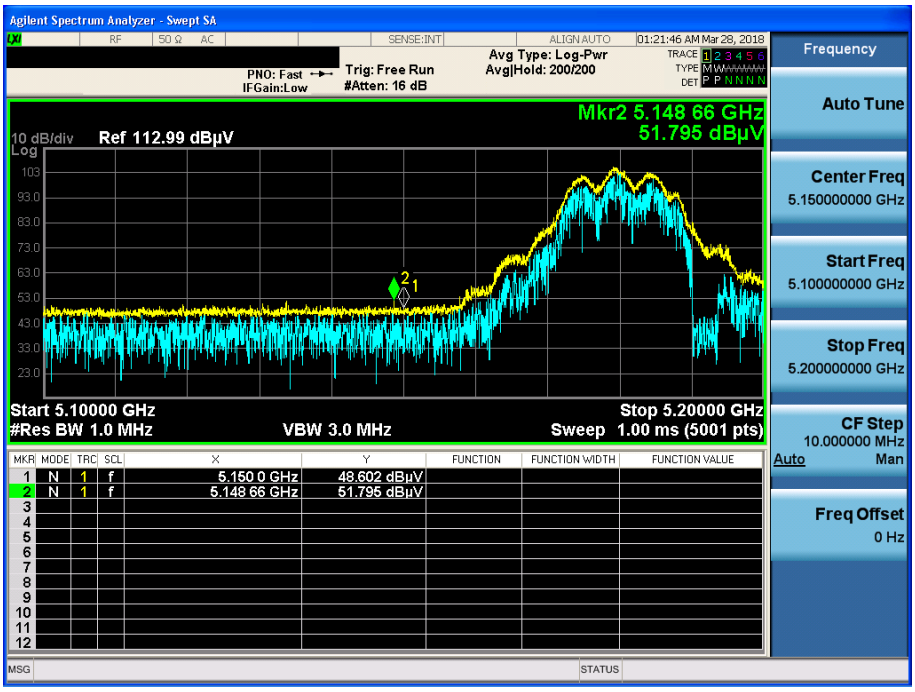
**Duty Cycle** Test Mode: 802.11ac VHT80 & Ch.42



# APPENDIX III

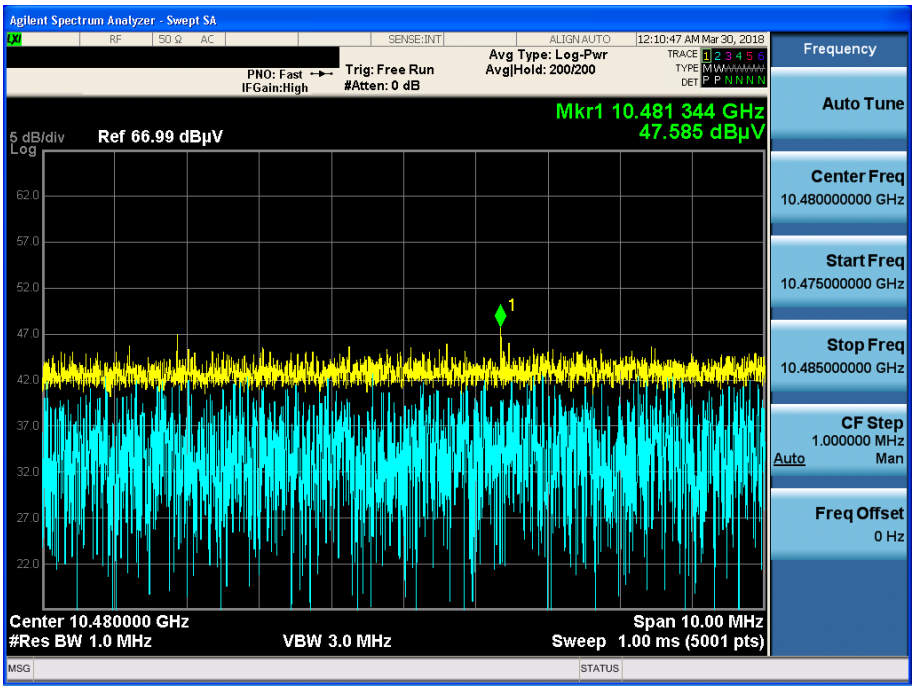
## Unwanted Emissions (Radiated) Test Plot: MIMO(CDD) _ Normal

### 802.11a & U-NII 1 & Ch.36 & Z axis & Hor Detector Mode : PK

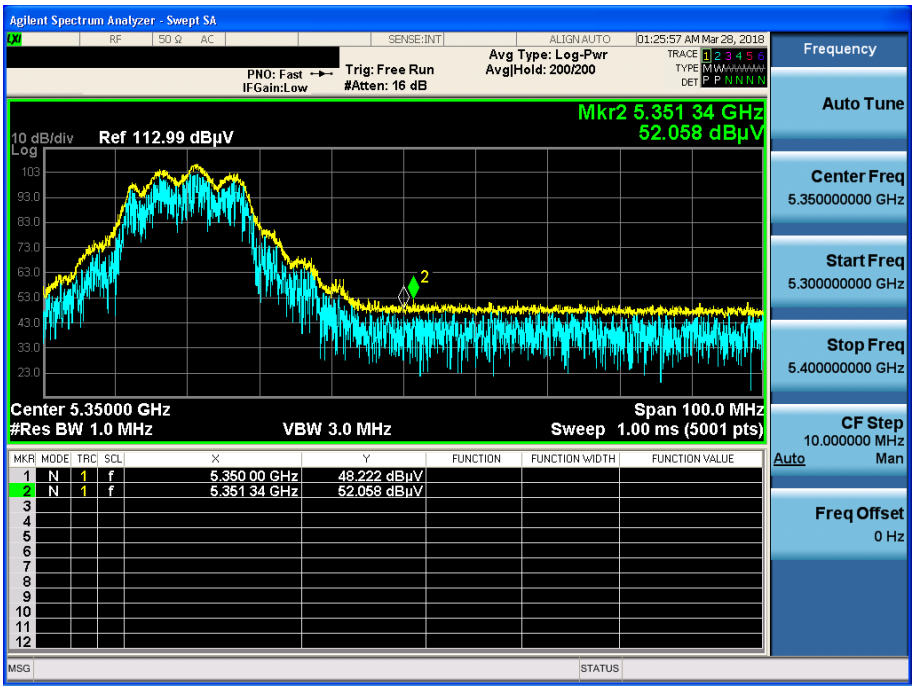



### 802.11a & U-NII 1 & Ch.36 & Z axis & Hor Detector Mode : AV

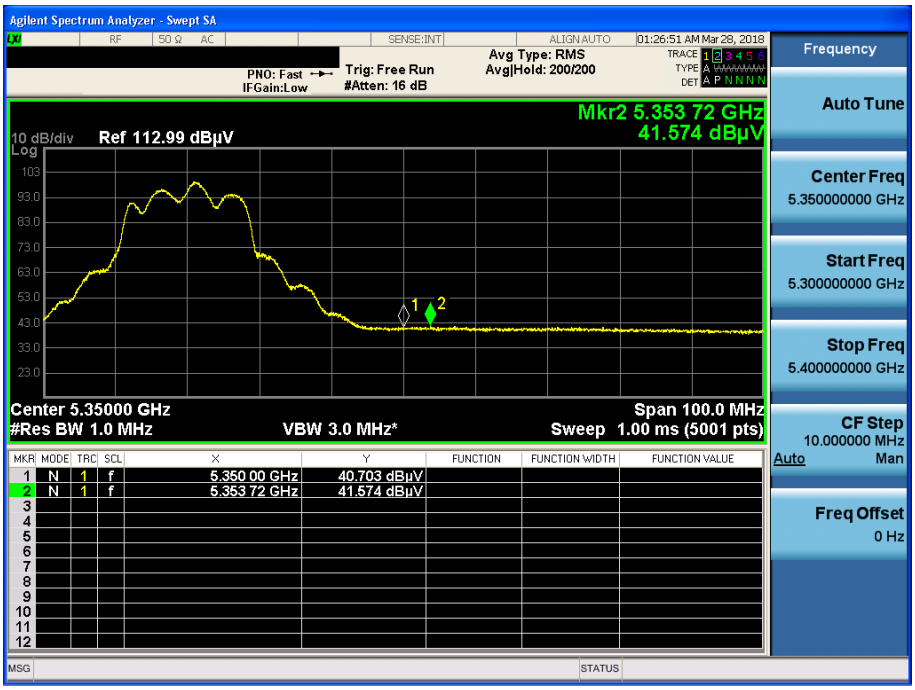
**802.11a & U-NII 1 & Ch.48 & Z axis & Hor** **Detector Mode : PK**



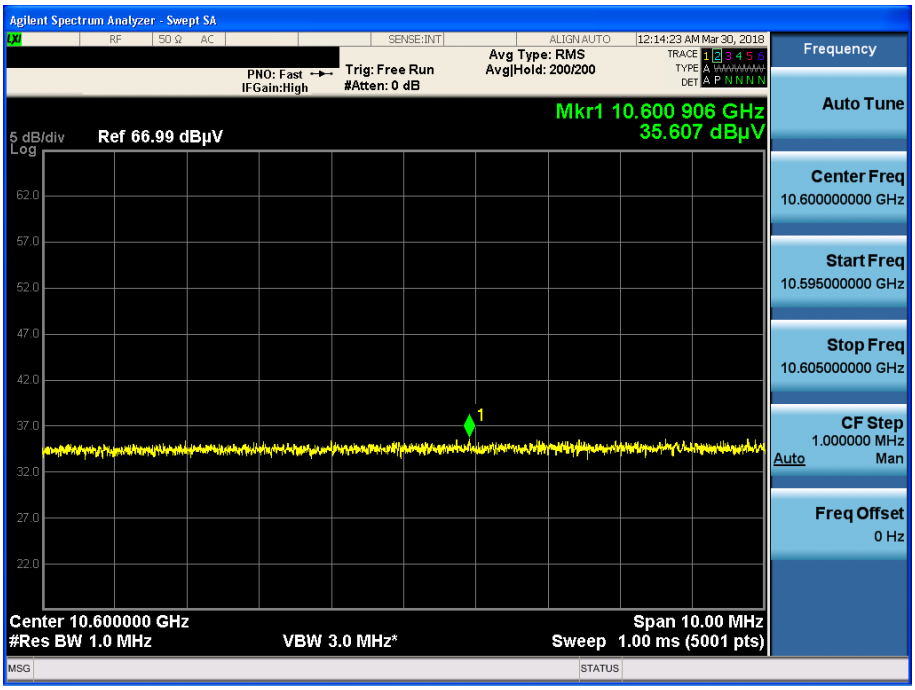
**802.11a & U-NII 2A & Ch.64 & Z axis & Hor** **Detector Mode : PK**



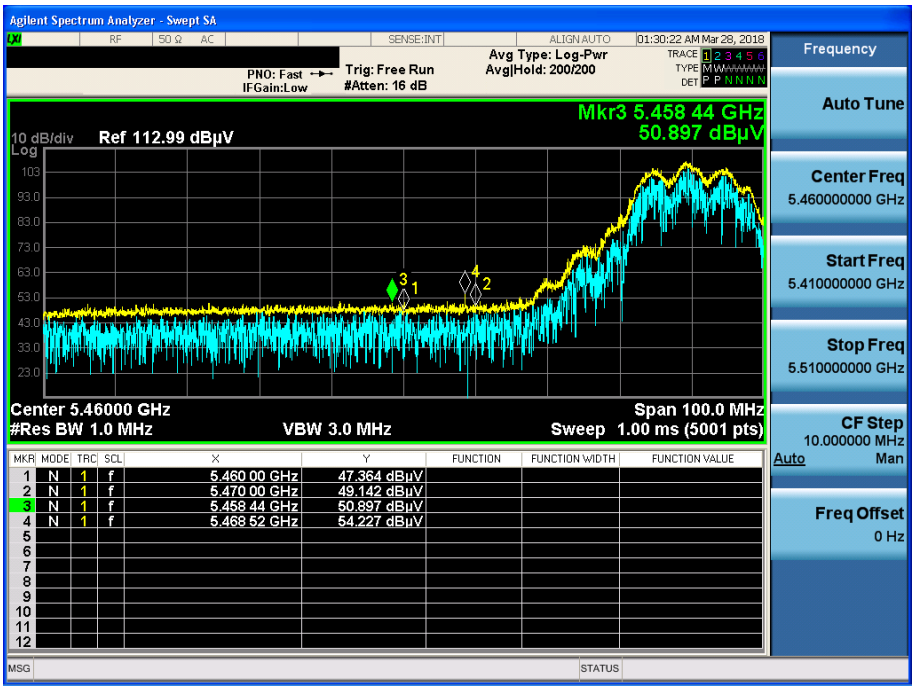

**802.11a & U-NII 2A & Ch.64 & Z axis & Hor** **Detector Mode : AV**



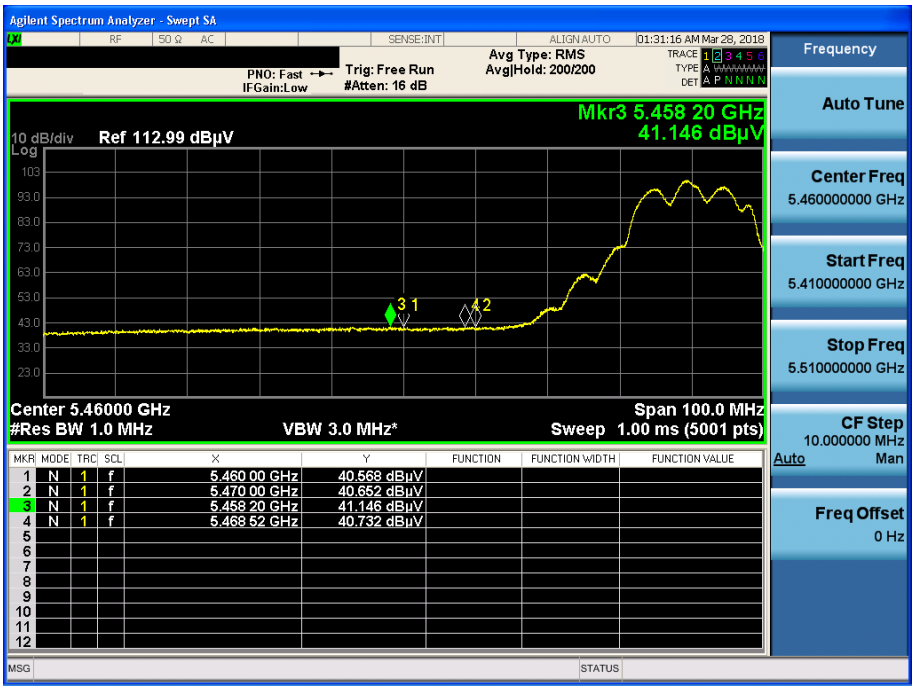
**802.11a & U-NII 2A & Ch.60 & Z axis & Hor** **Detector Mode : AV**



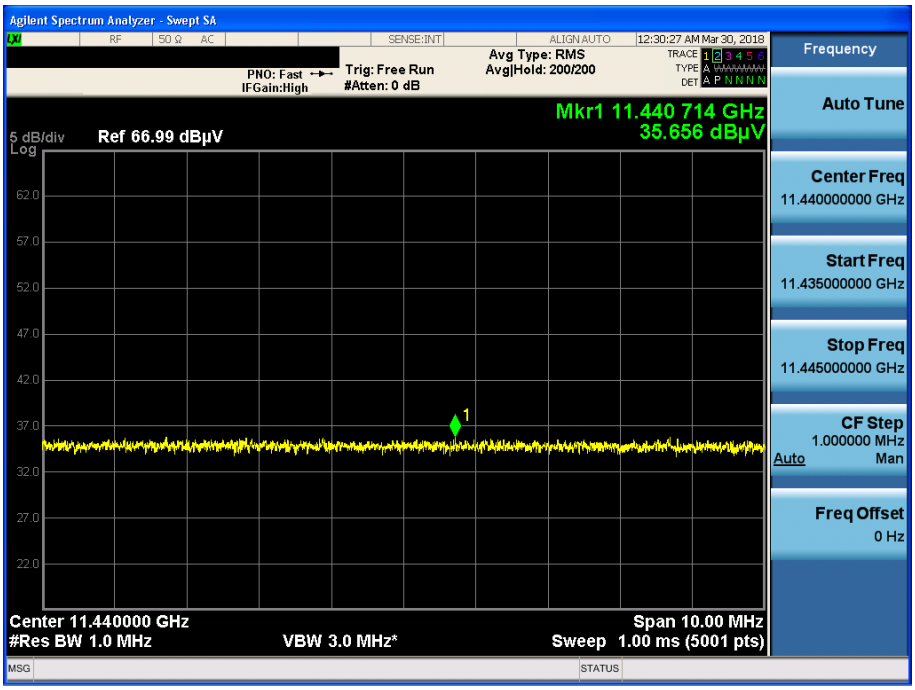
**802.11a & U-NII 2C & Ch.100 & Z axis & Hor** **Detector Mode : PK**



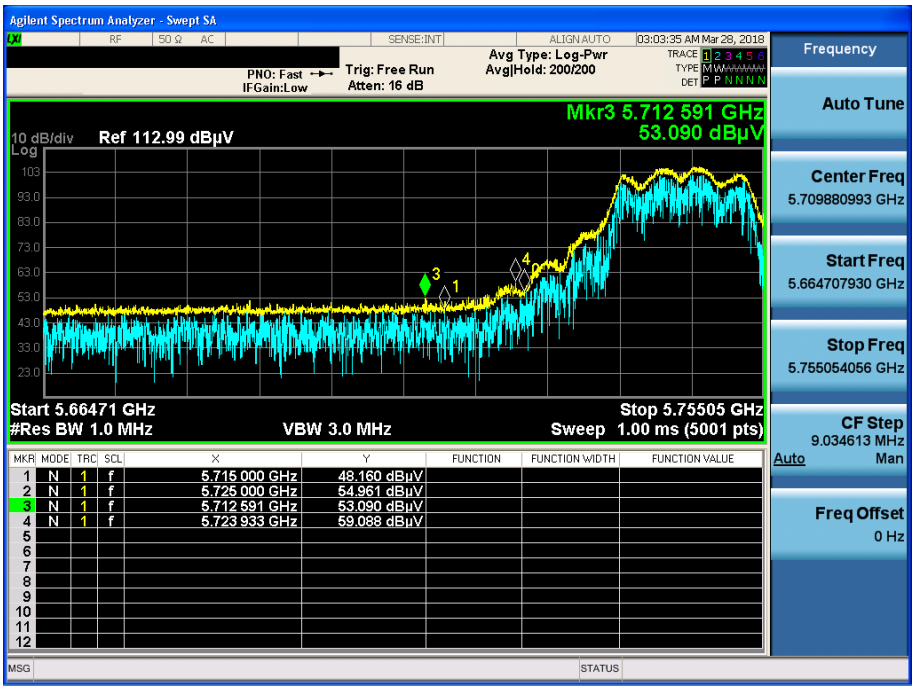

**802.11a & U-NII 2C & Ch.100 & Z axis & Hor** **Detector Mode : AV**



**802.11a & U-NII 2C & Ch.144 & Z axis & Hor** **Detector Mode : AV**

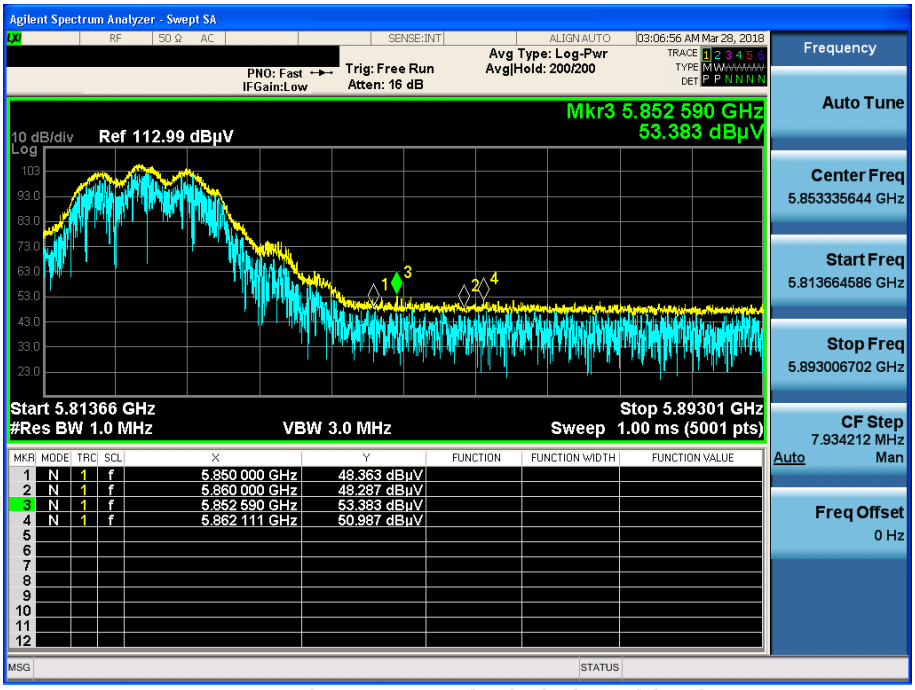


**802.11a & U-NII 3 & Ch.149 & Z axis & Hor** **Detector Mode : PK**



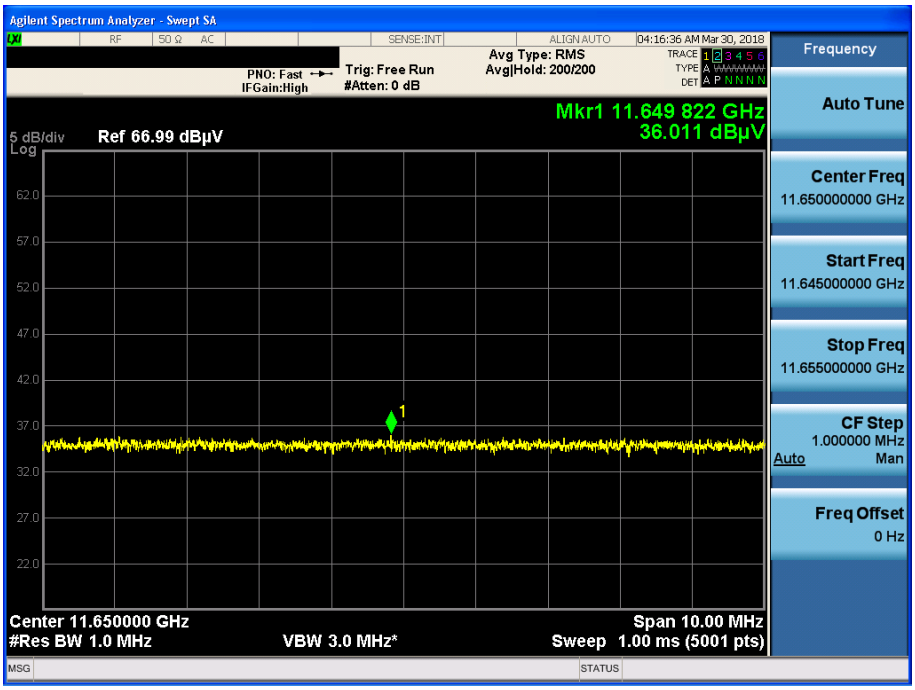

**Note: Total Factor was included on this plot.**

**802.11a & U-NII 3 & Ch.165 & Z axis & Hor** **Detector Mode : PK**

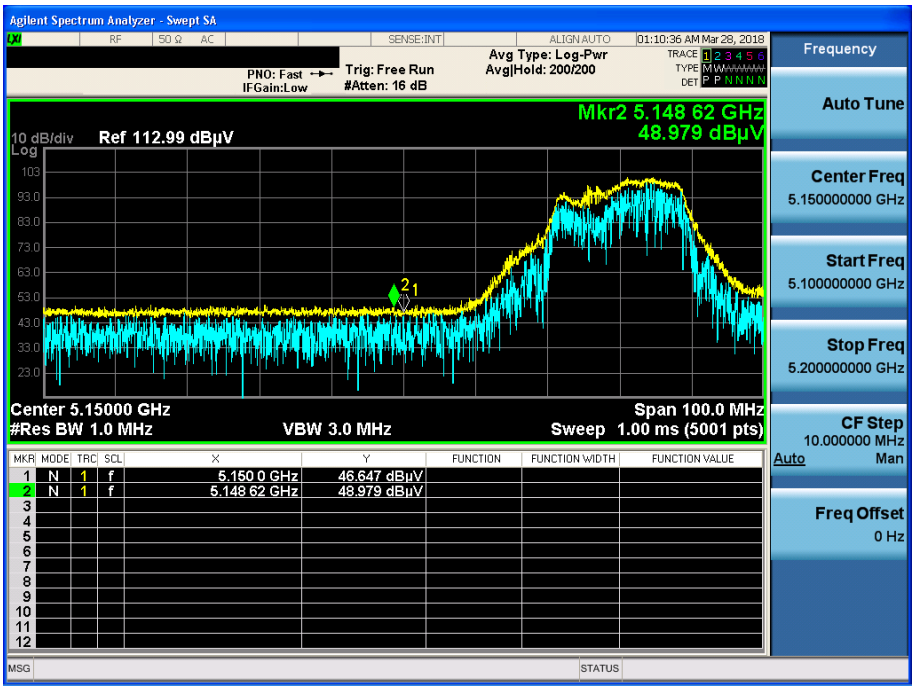



**Note: Total Factor was included on this plot.**

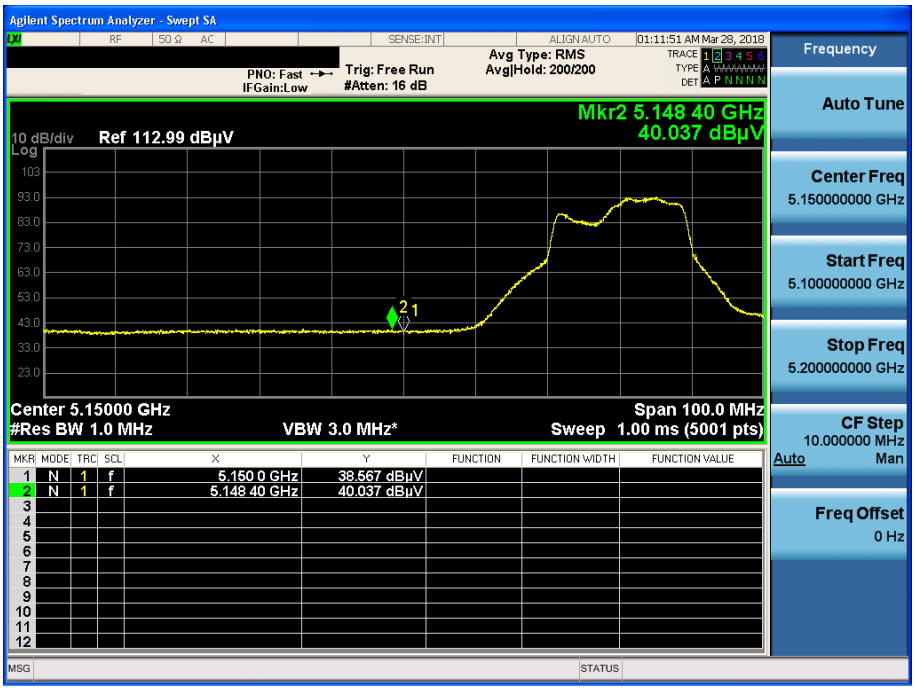
**802.11a & U-NII 3 & Ch.165 & Z axis & Hor** **Detector Mode : AV**



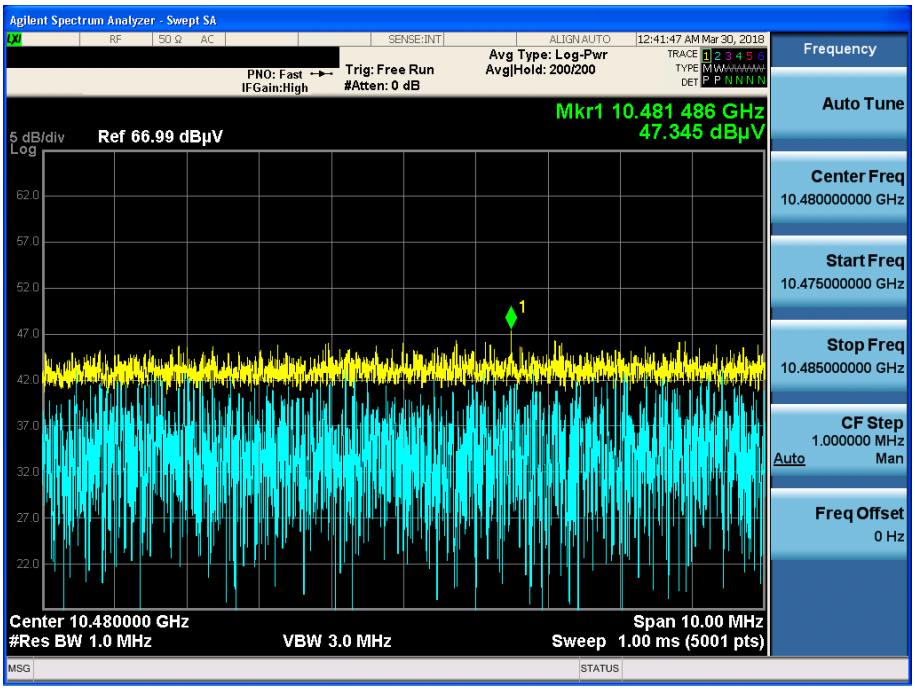
**802.11ac(VHT20) & U-NII 1 & Ch.36 & Z axis & Hor Detector Mode : PK**



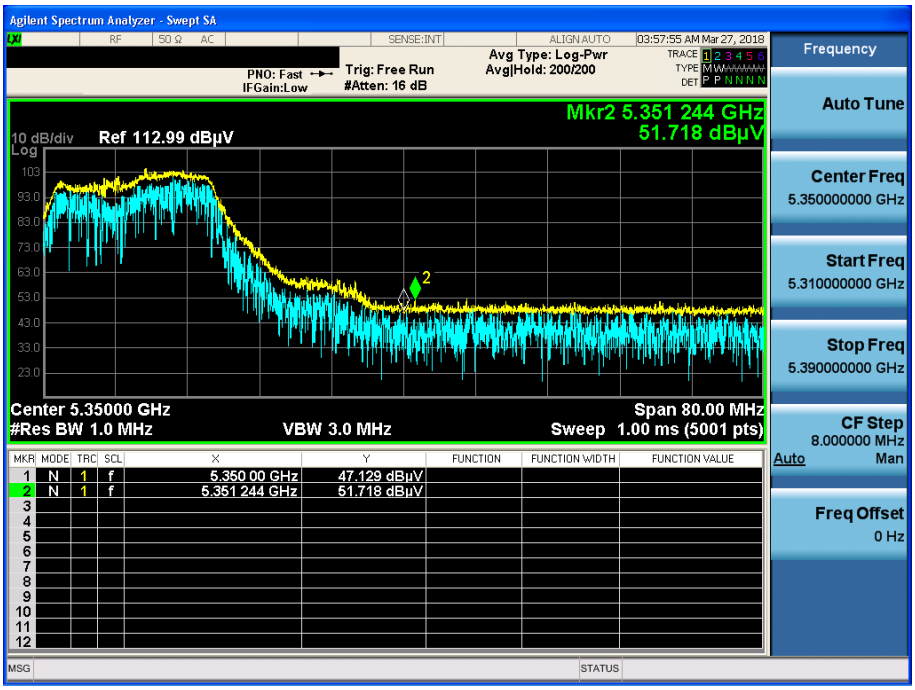

**802.11ac(VHT20) & U-NII 1 & Ch.36 & Z axis & Hor Detector Mode : AV**



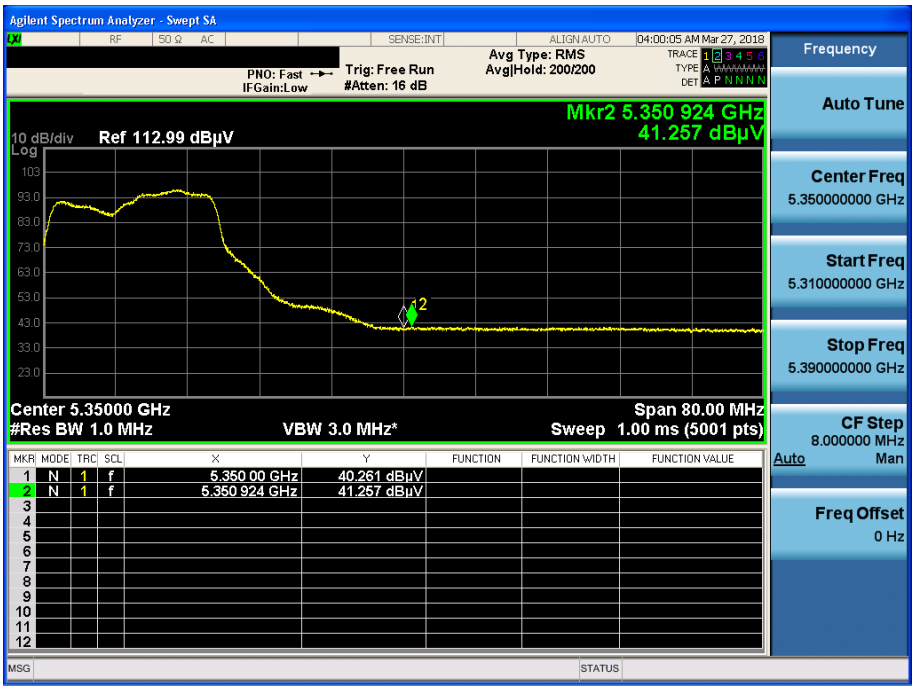
**802.11ac(VHT20) & U-NII 1 & Ch.48 & Z axis & Hor Detector Mode : PK**



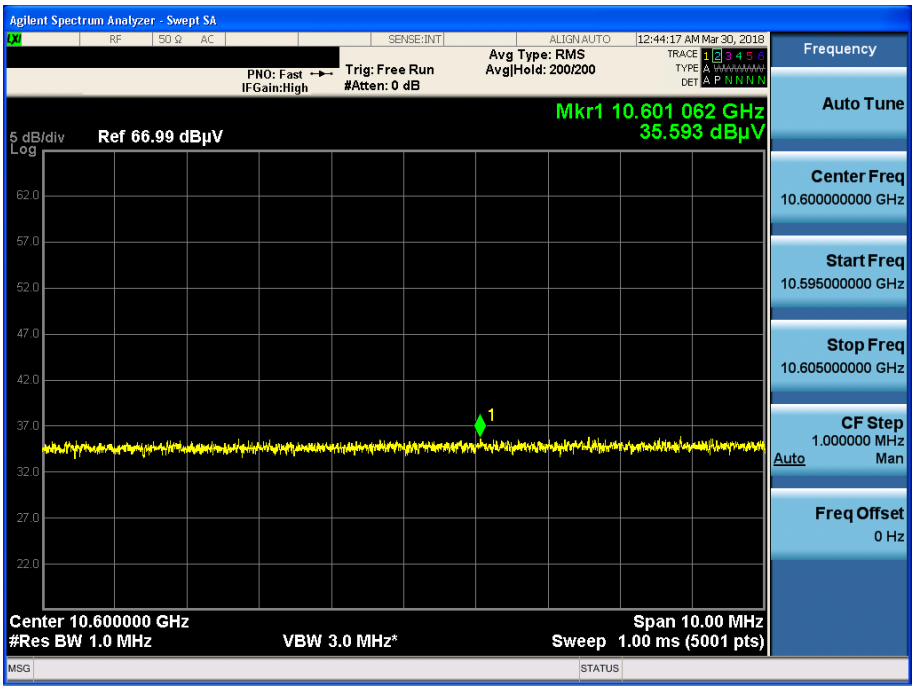
**802.11ac(VHT20) & U-NII 2A & Ch.64 & Z axis & Hor Detector Mode : PK**



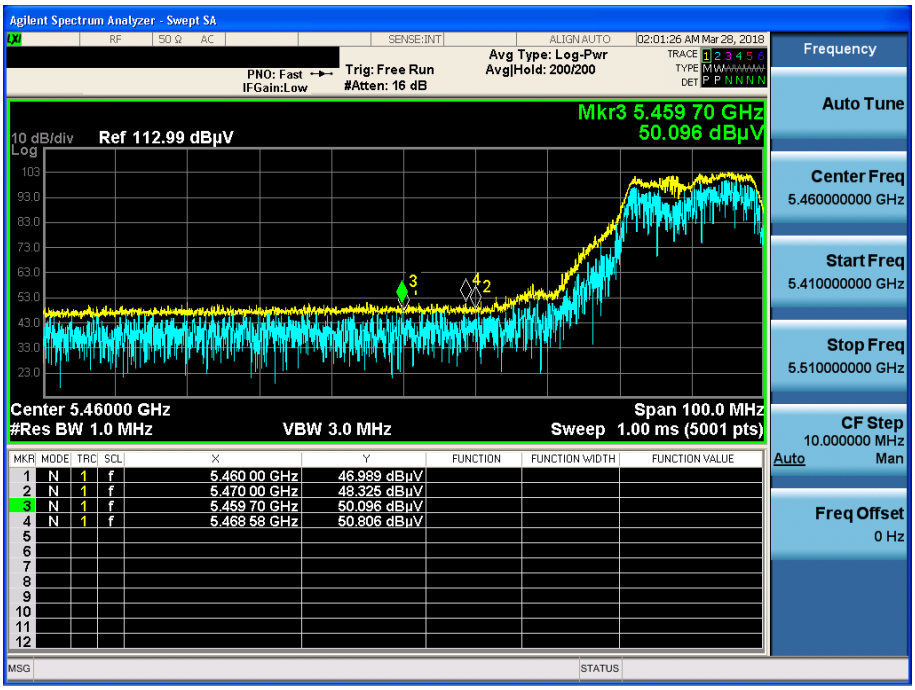

**802.11ac(VHT20) & U-NII 2A & Ch.64 & Z axis & Hor Detector Mode : AV**



**802.11ac(VHT20) & U-NII 2A & Ch.60 & Z axis & Hor Detector Mode : AV**

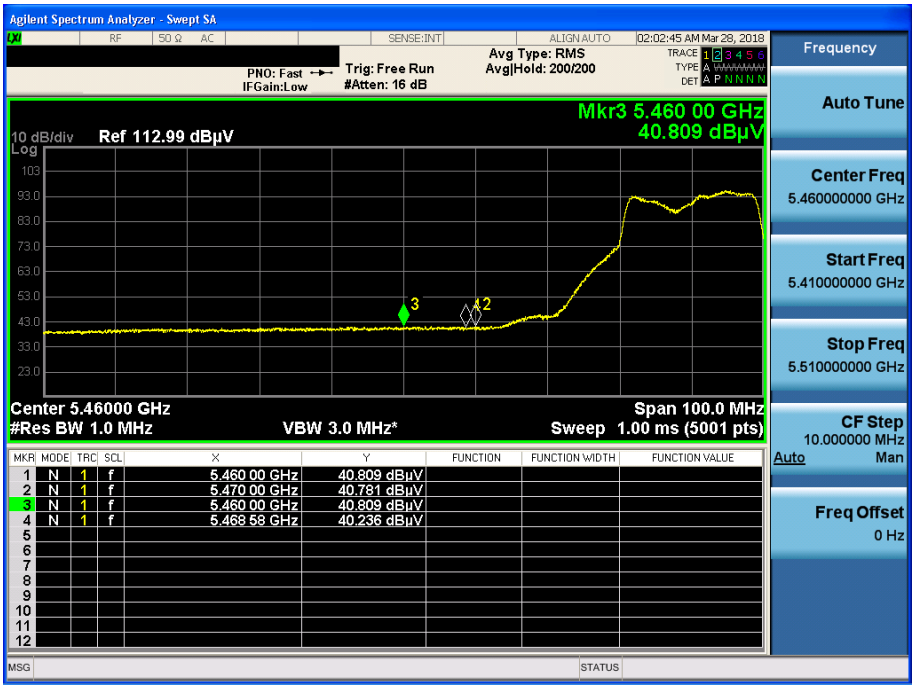


**802.11ac(VHT20) & U-NII 2C & Ch.100 & Z axis & Hor Detector Mode : PK**

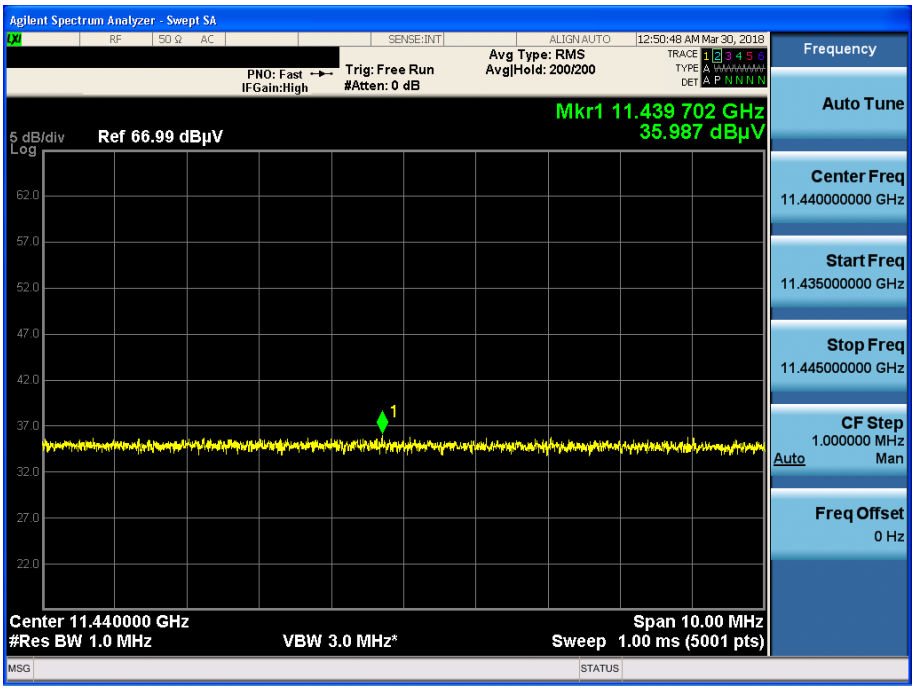



**Note: Total Factor was included on this plot.**

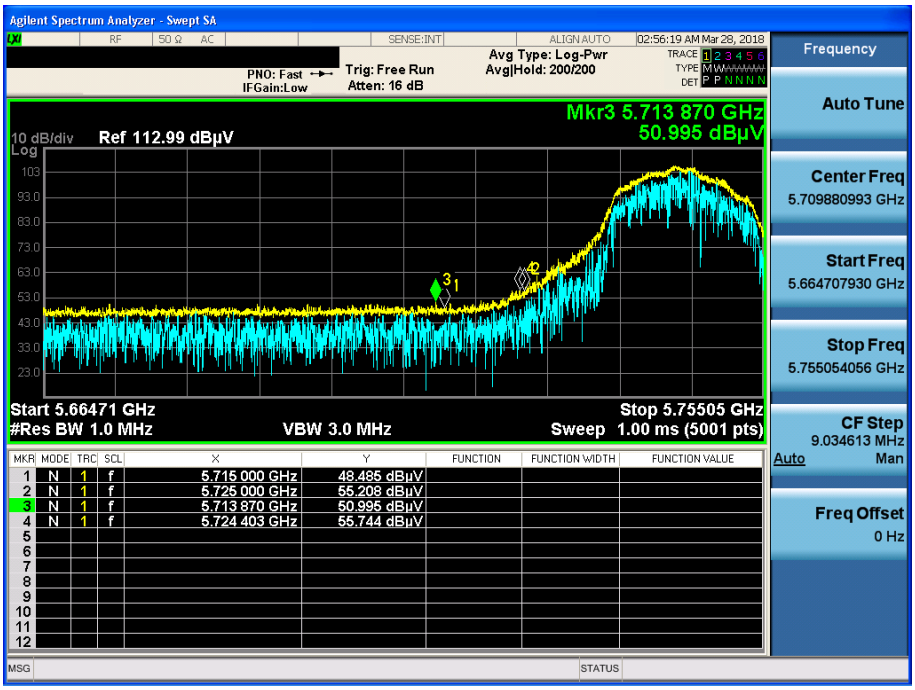
**802.11ac(VHT20) & U-NII 2C & Ch.100 & Z axis & Hor Detector Mode : AV**



**802.11ac(VHT20) & U-NII 2C & Ch.144 & Z axis & Hor Detector Mode : AV**

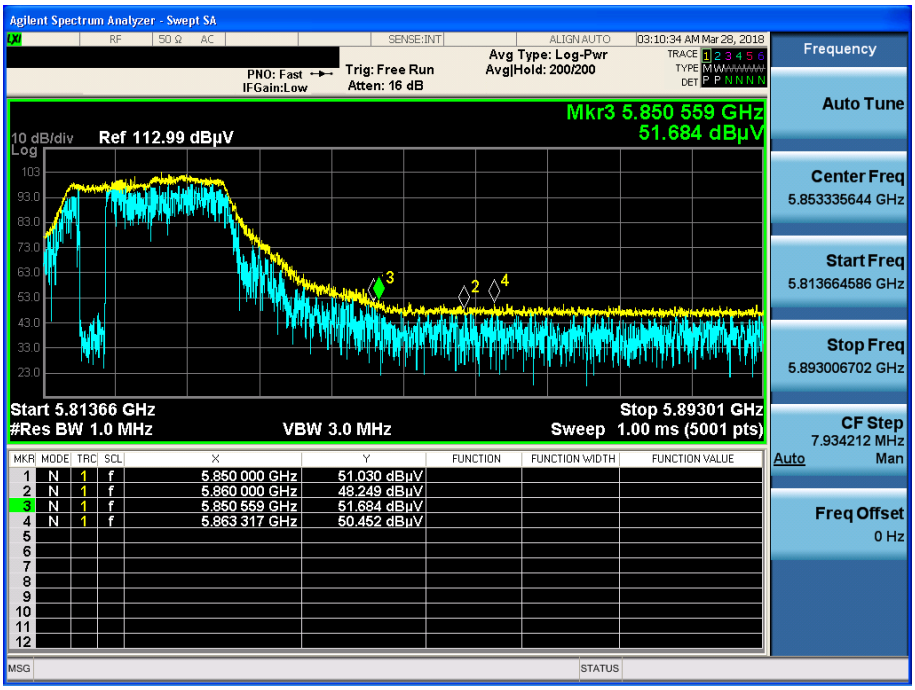


**802.11ac(VHT20) & U-NII 3 & Ch.149 & Z axis & Hor Detector Mode : PK**



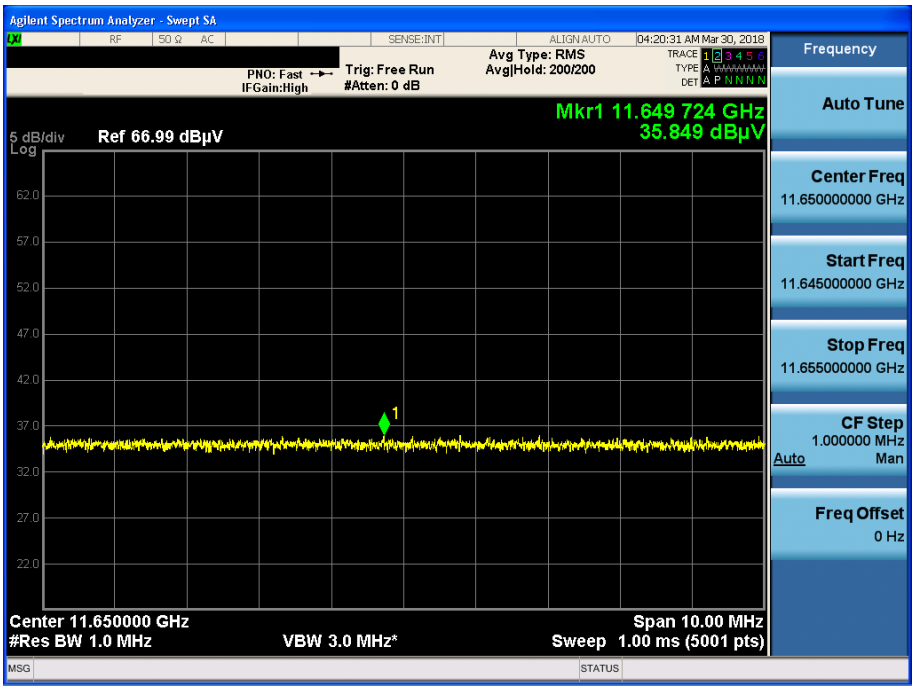

**Note: Total Factor was included on this plot.**

**802.11ac(VHT20) & U-NII 3 & Ch.165 & Z axis & Hor Detector Mode : PK**

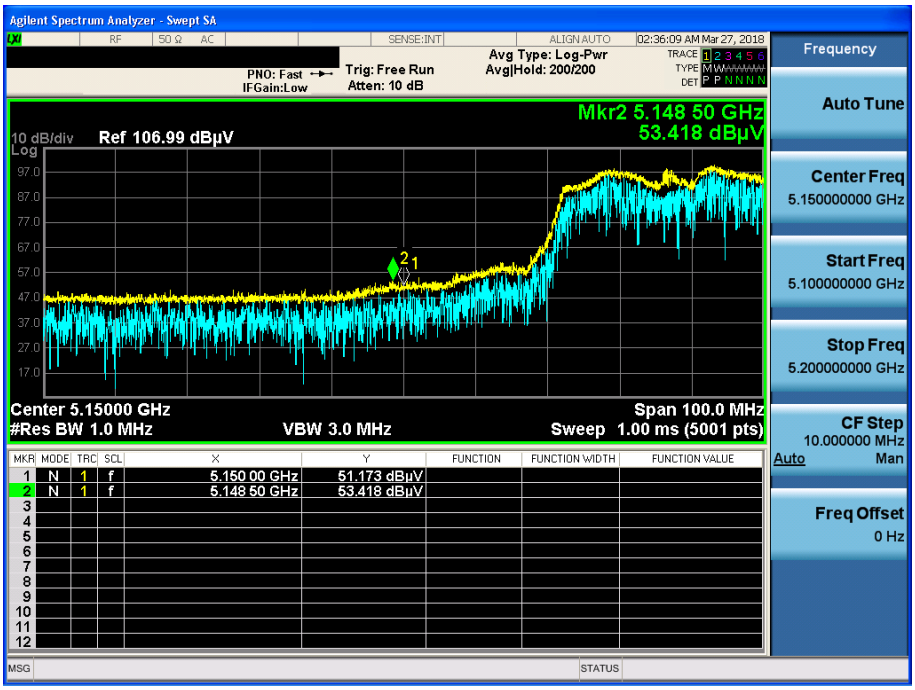



**Note: Total Factor was included on this plot.**

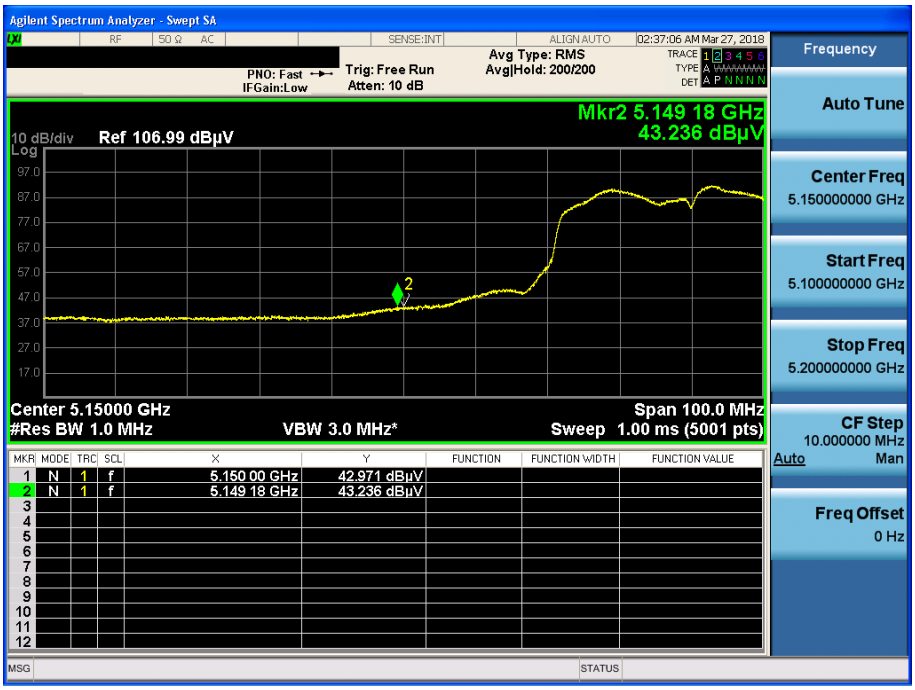
**802.11ac(VHT20) & U-NII 3 & Ch.165 & Z axis & Hor Detector Mode : AV**



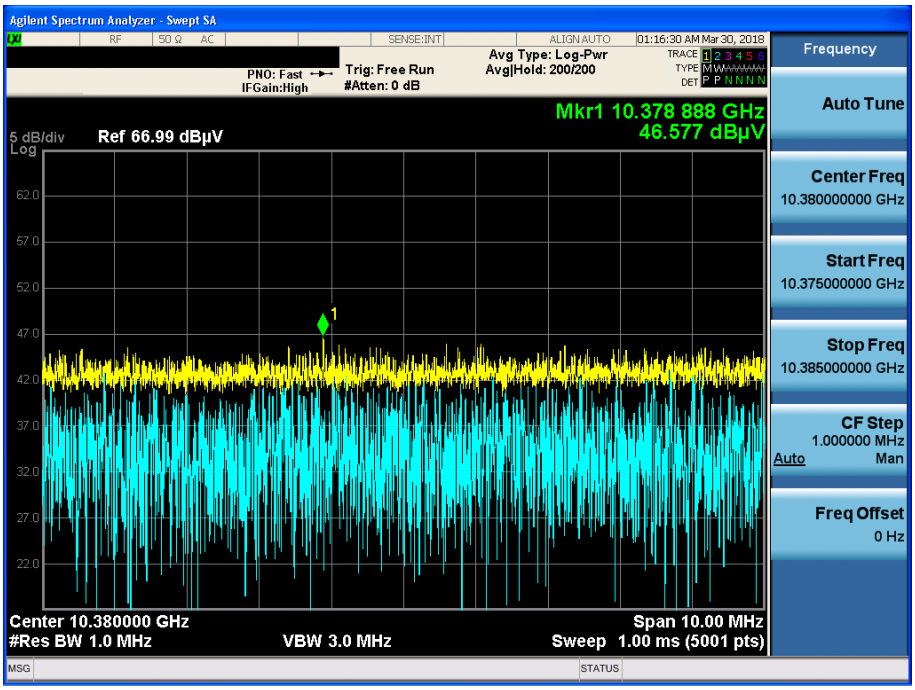
**802.11ac(VHT40) & U-NII 1 & Ch.38 & X axis & Hor Detector Mode : PK**



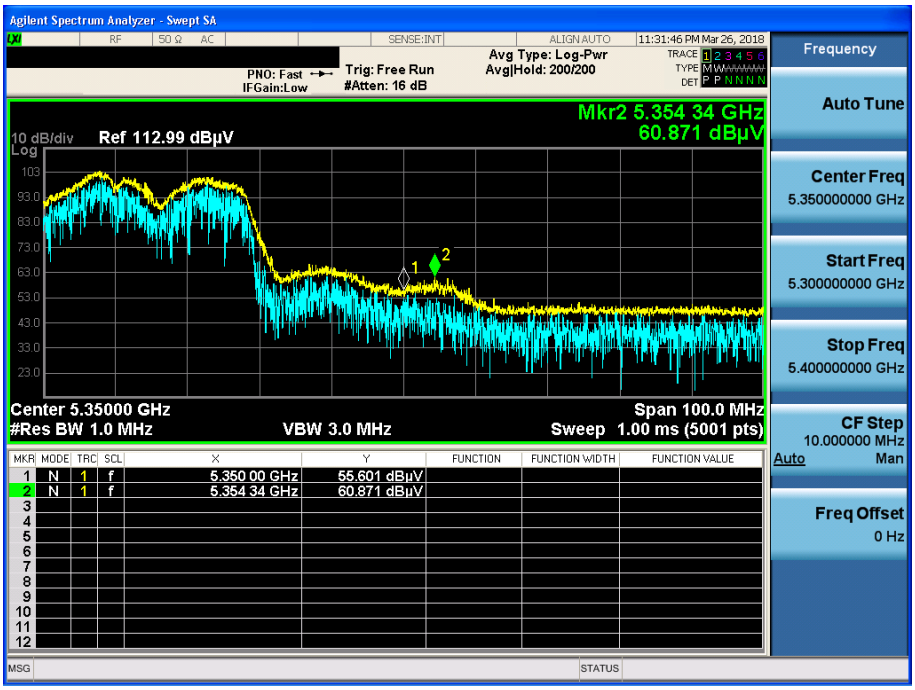

**802.11ac(VHT40) & U-NII 1 & Ch.38 & X axis & Hor Detector Mode : AV**



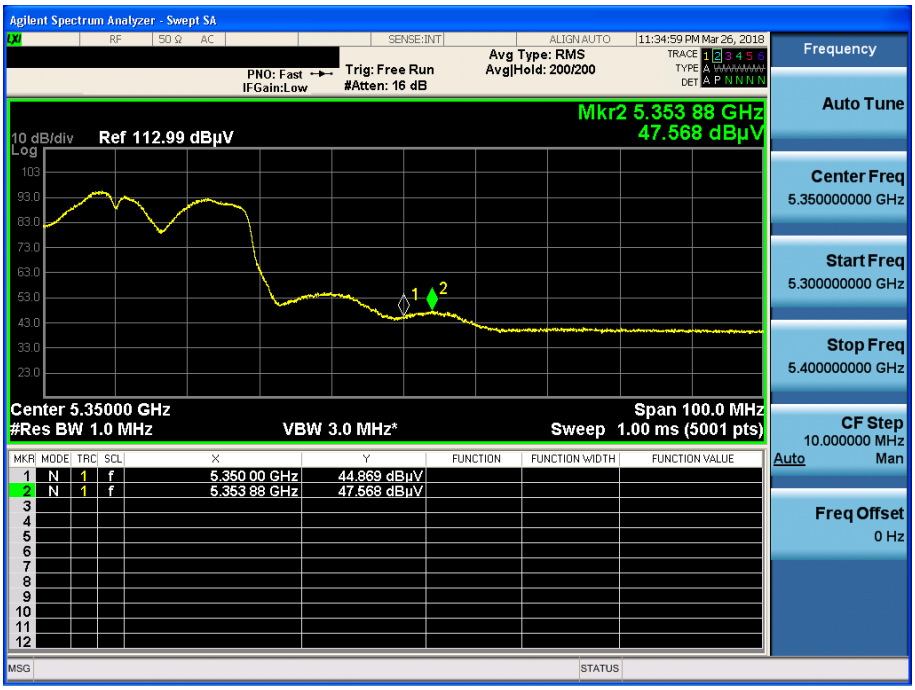
**802.11ac(VHT40) & U-NII 1 & Ch.38 & Z axis & Hor Detector Mode : PK**



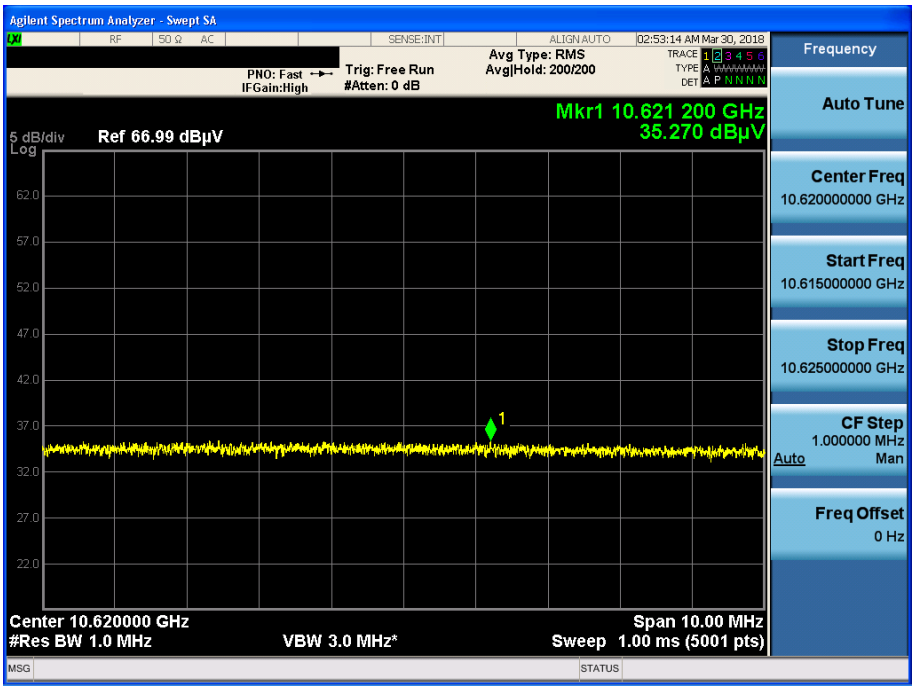
**802.11ac(VHT40) & U-NII 2A & Ch.62 & Z axis & Hor Detector Mode : PK**



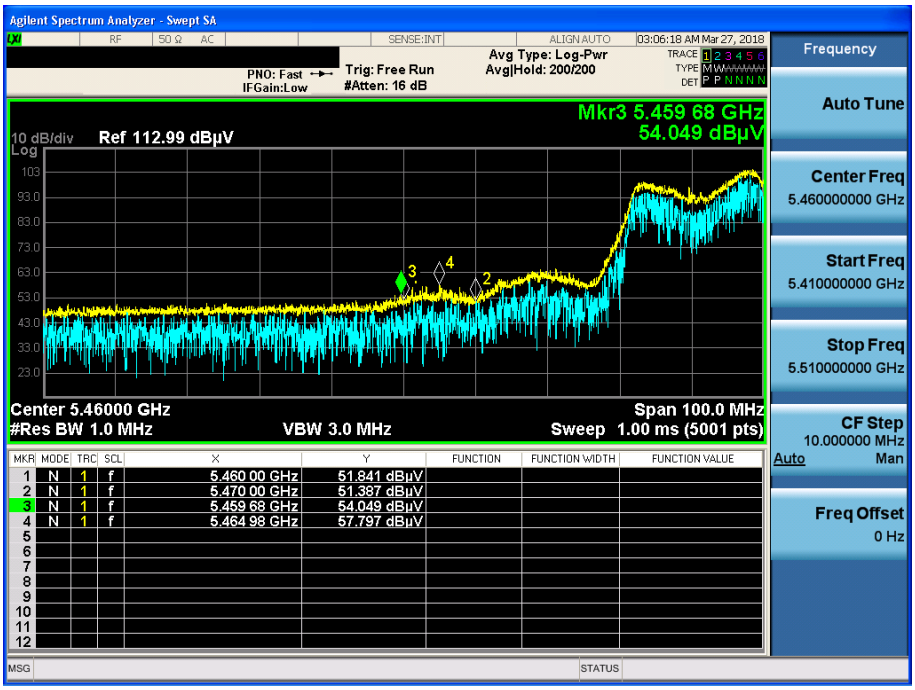

**802.11ac(VHT40) & U-NII 2A & Ch.62 & Z axis & Hor Detector Mode : AV**



**802.11ac(VHT40) & U-NII 2A & Ch.62 & Z axis & Hor Detector Mode : AV**

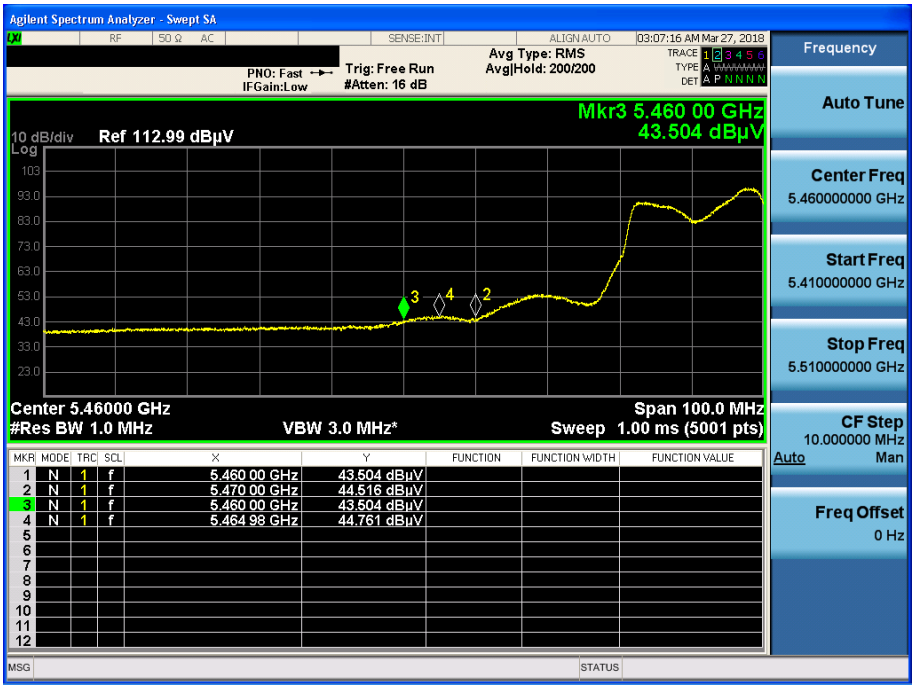


**802.11ac(VHT40) & U-NII 2C & Ch.102 & Z axis & Hor Detector Mode : PK**

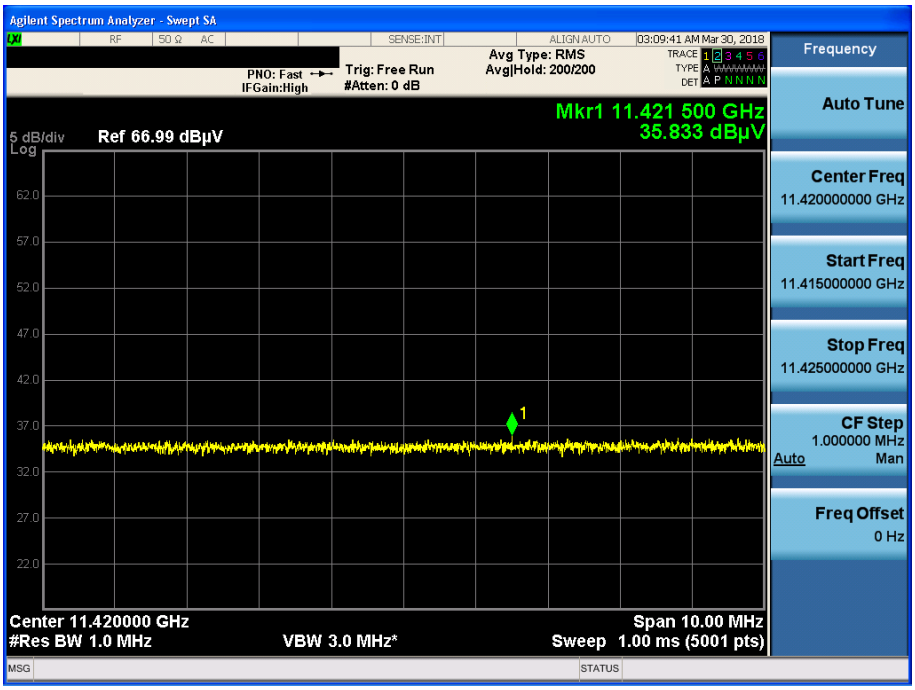



**Note: Total Factor was included on this plot.**

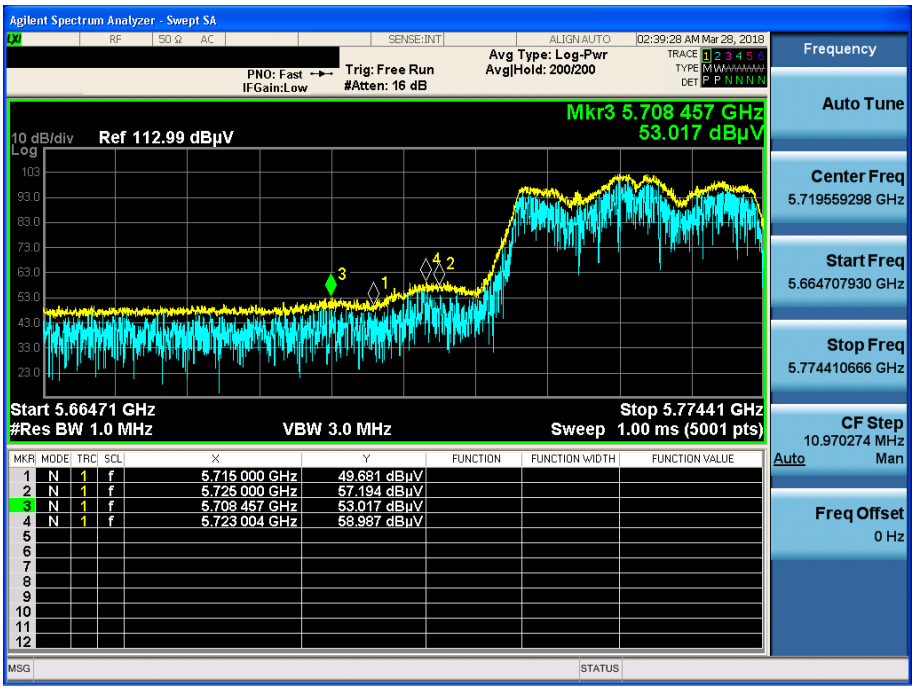
**802.11ac(VHT40) & U-NII 2C & Ch.102 & Z axis & Hor Detector Mode : AV**



**802.11ac(VHT40) & U-NII 2C & Ch.142 & Z axis & Hor Detector Mode : AV**

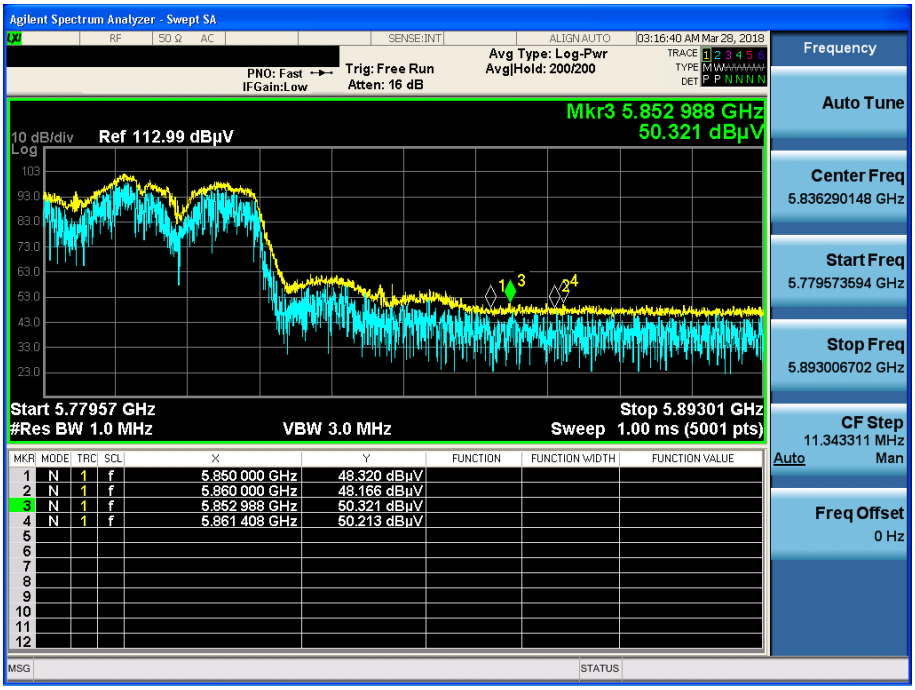


**802.11ac(VHT40) & U-NII 3 & Ch.151 & Z axis & Hor Detector Mode : PK**



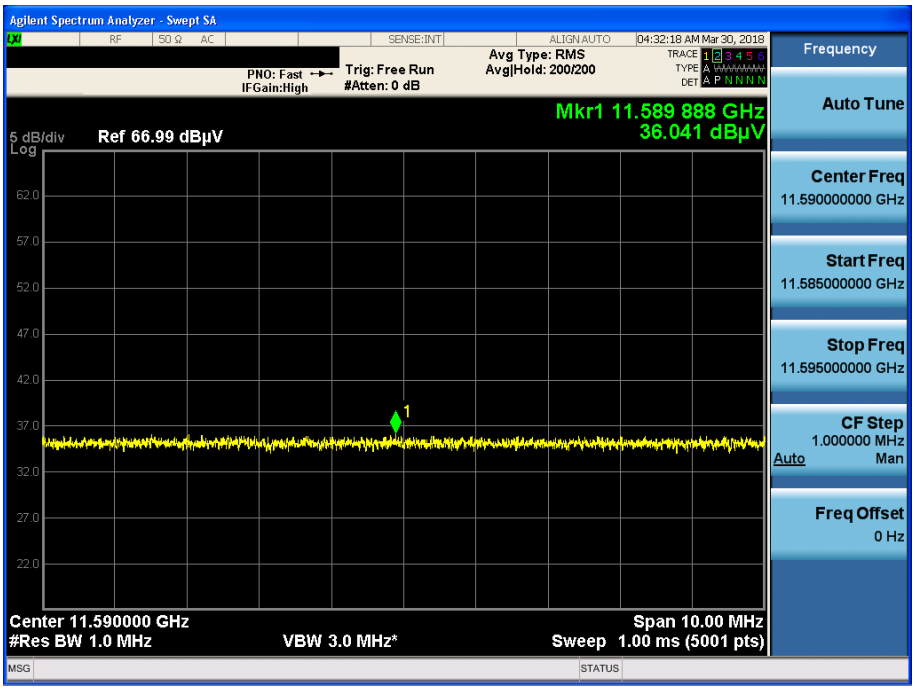

**Note: Total Factor was included on this plot.**

**802.11ac(VHT40) & U-NII 3 & Ch.159 & Z axis & Hor Detector Mode : PK**

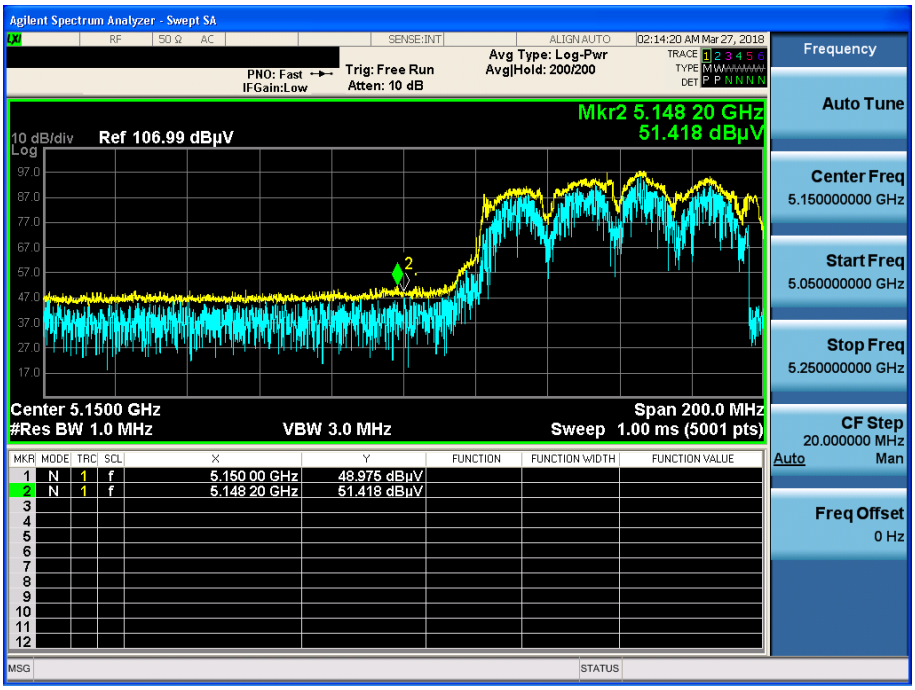



**Note: Total Factor was included on this plot.**

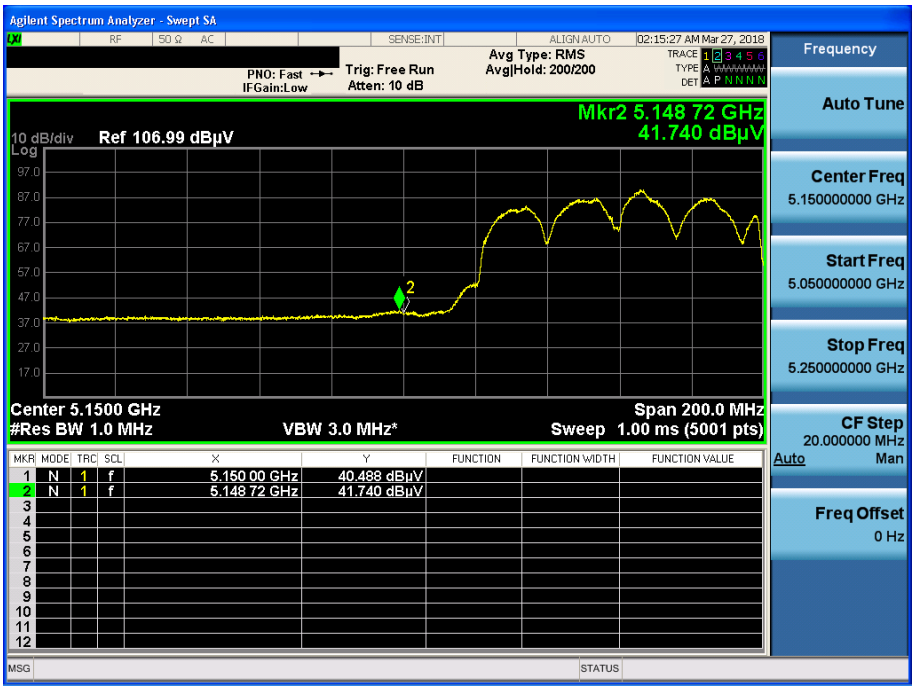
**802.11ac(VHT40) & U-NII 3 & Ch.159 & Z axis & Hor Detector Mode : AV**



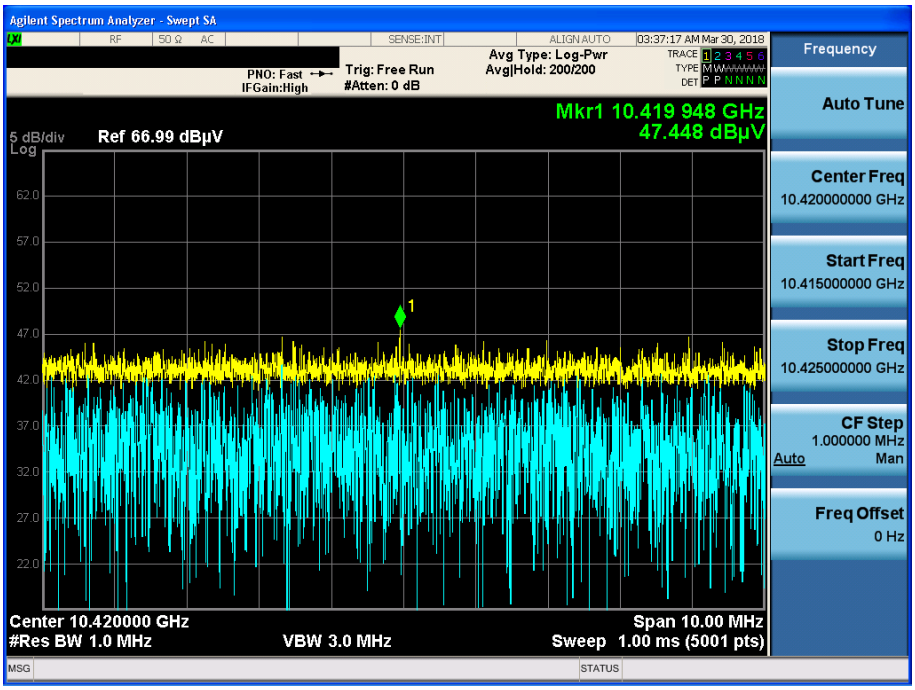
**802.11ac(VHT80) & U-NII 1 & Ch.42 & Z axis & Hor Detector Mode : PK**



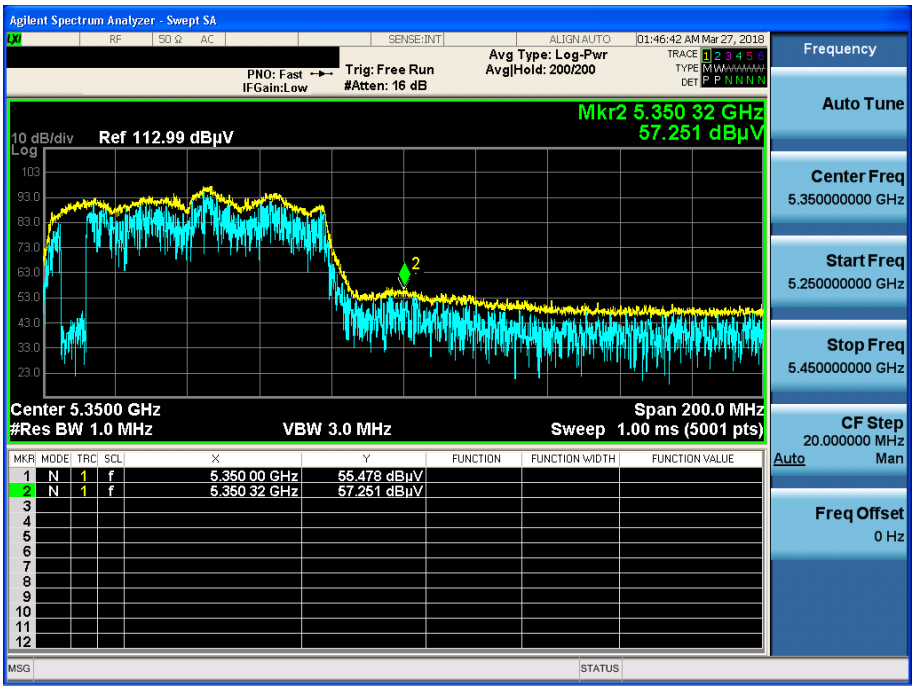

**802.11ac(VHT80) & U-NII 1 & Ch.42 & Z axis & Hor Detector Mode : AV**



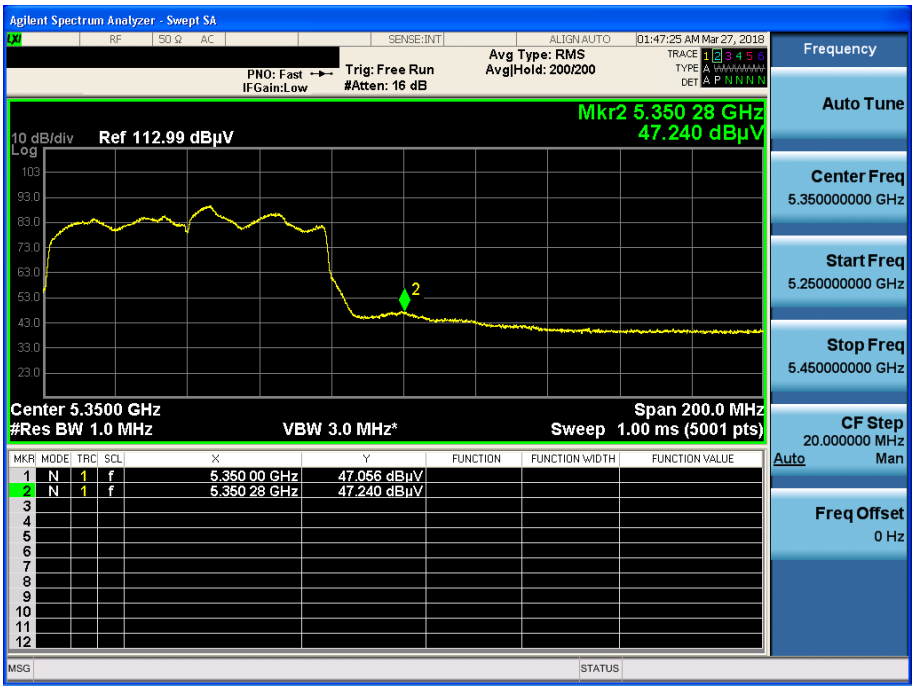
**802.11ac(VHT80) & U-NII 1 & Ch.42 & Z axis & Hor Detector Mode : PK**



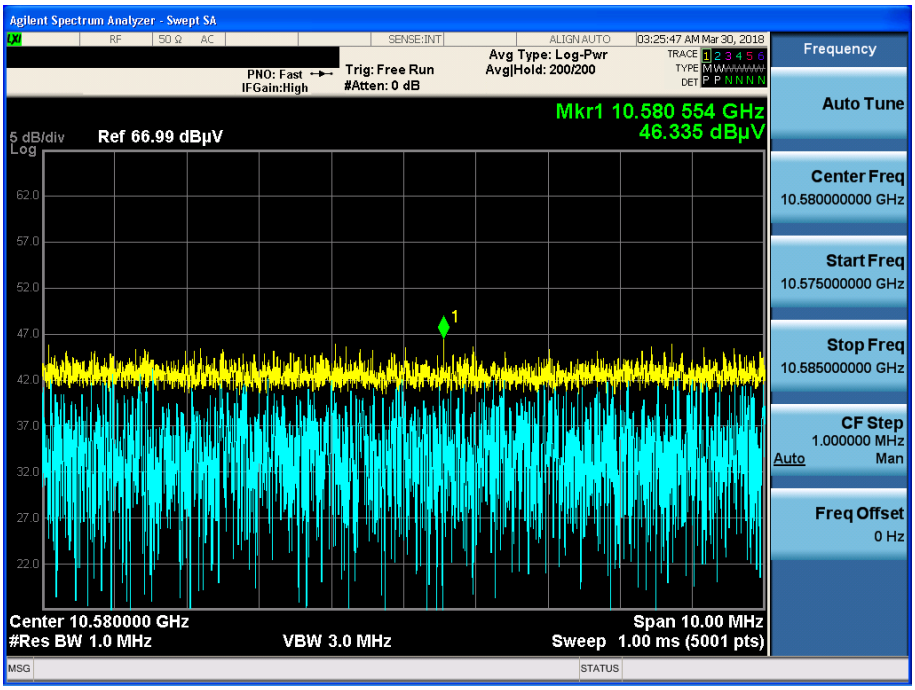
**802.11ac(VHT80) & U-NII 2A & Ch.58 & X axis & Hor Detector Mode : PK**



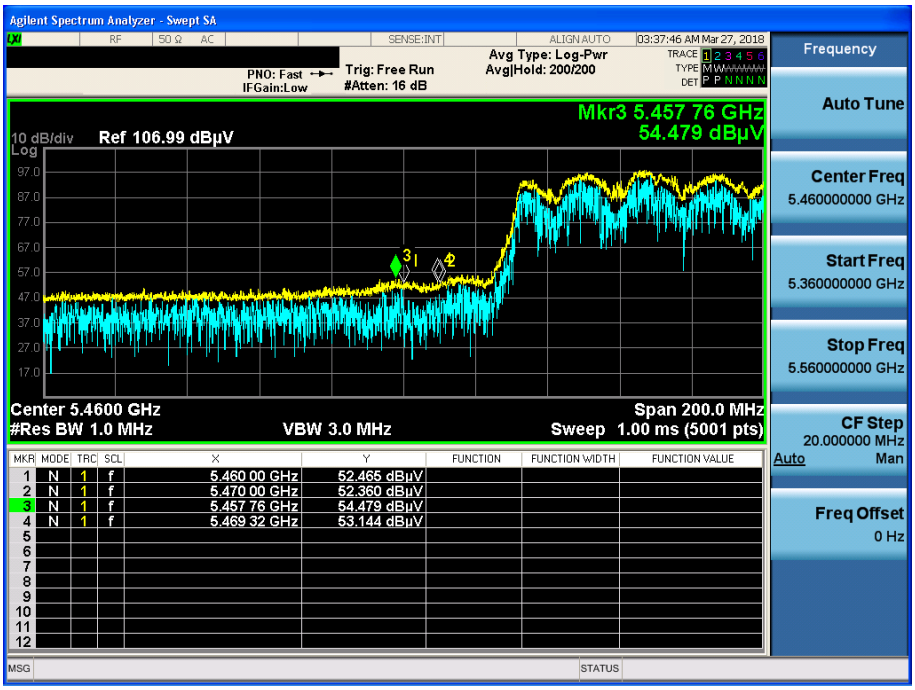

**802.11ac(VHT80) & U-NII 2A & Ch.58 & X axis & Hor Detector Mode : AV**



**802.11ac(VHT80) & U-NII 2A & Ch.58 & Z axis & Hor Detector Mode : PK**

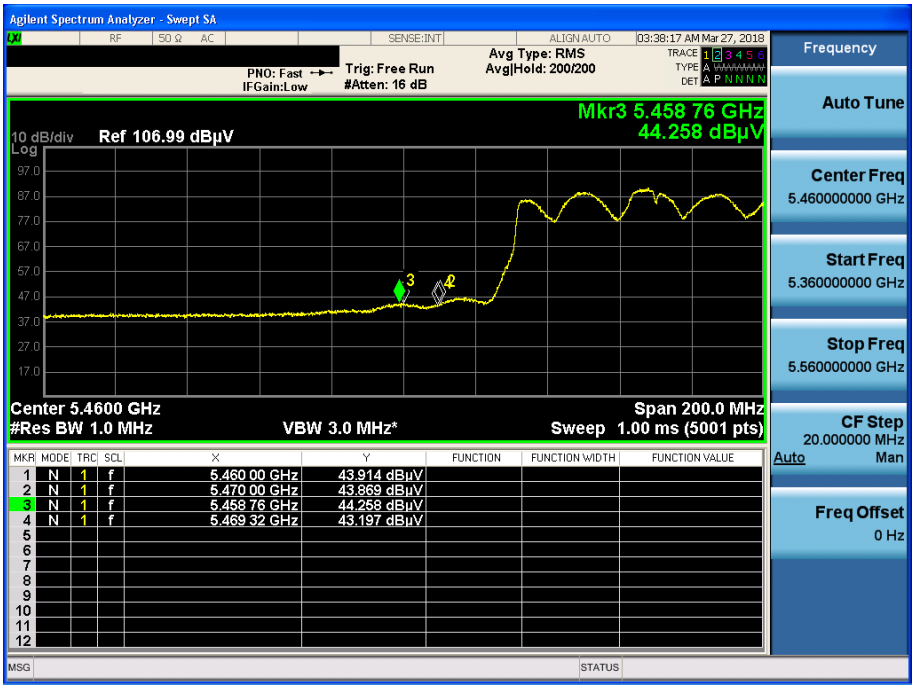


**802.11ac(VHT80) & U-NII 2C & Ch.106 & Z axis & Hor Detector Mode : PK**

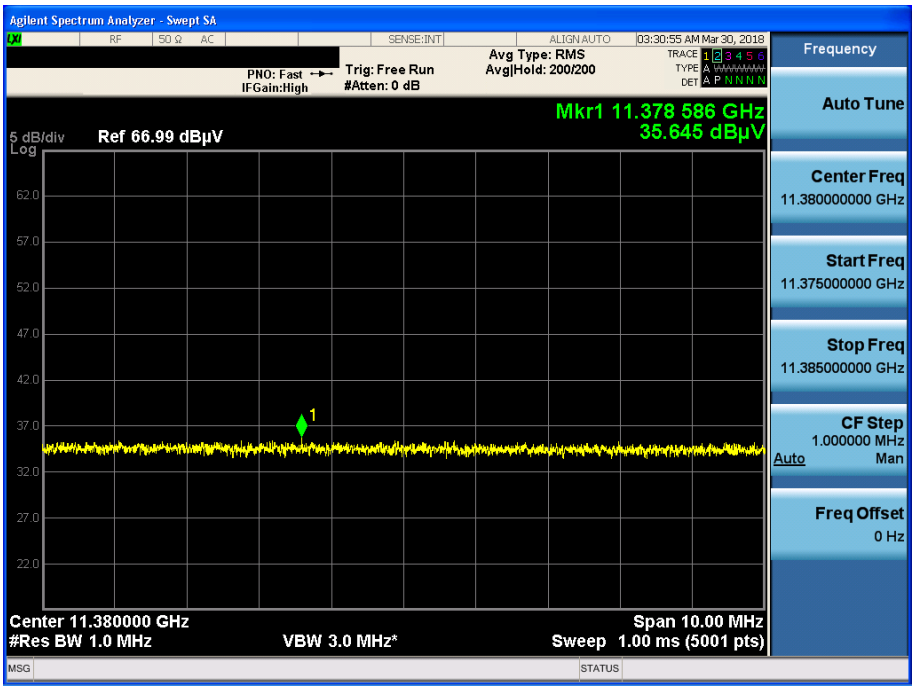



**Note: Total Factor was included on this plot.**

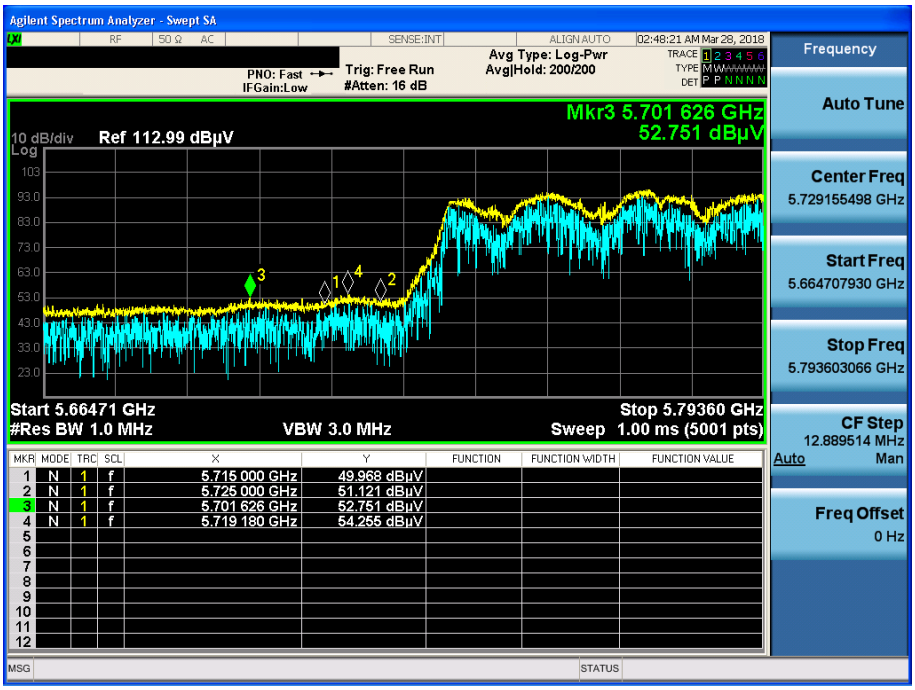
**802.11ac(VHT80) & U-NII 2C & Ch.106 & Z axis & Hor Detector Mode : AV**



**802.11ac(VHT80) & U-NII 2C & Ch.138 & Z axis & Hor Detector Mode : AV**

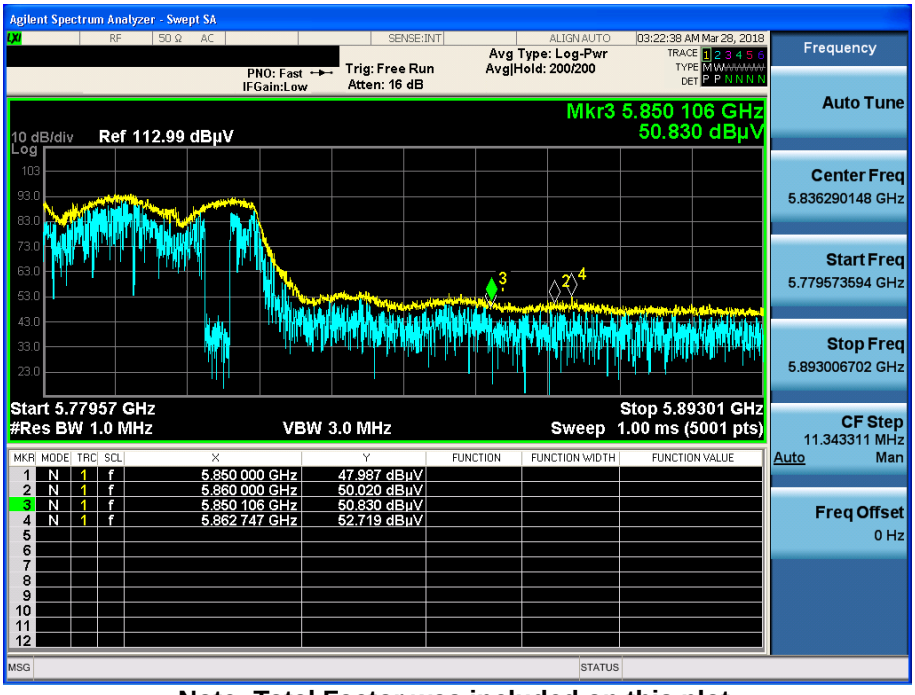


**802.11ac(VHT80) & U-NII 3 & Ch.155 & Z axis & Hor Detector Mode : PK**



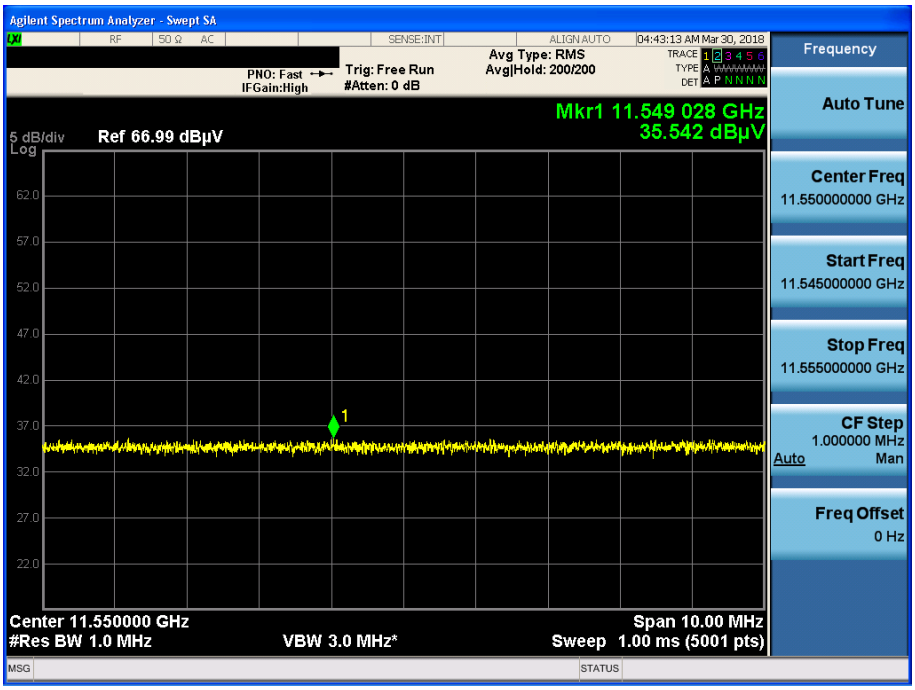

**Note: Total Factor was included on this plot.**

**802.11ac(VHT80) & U-NII 3 & Ch.155 & Z axis & Hor Detector Mode : PK**



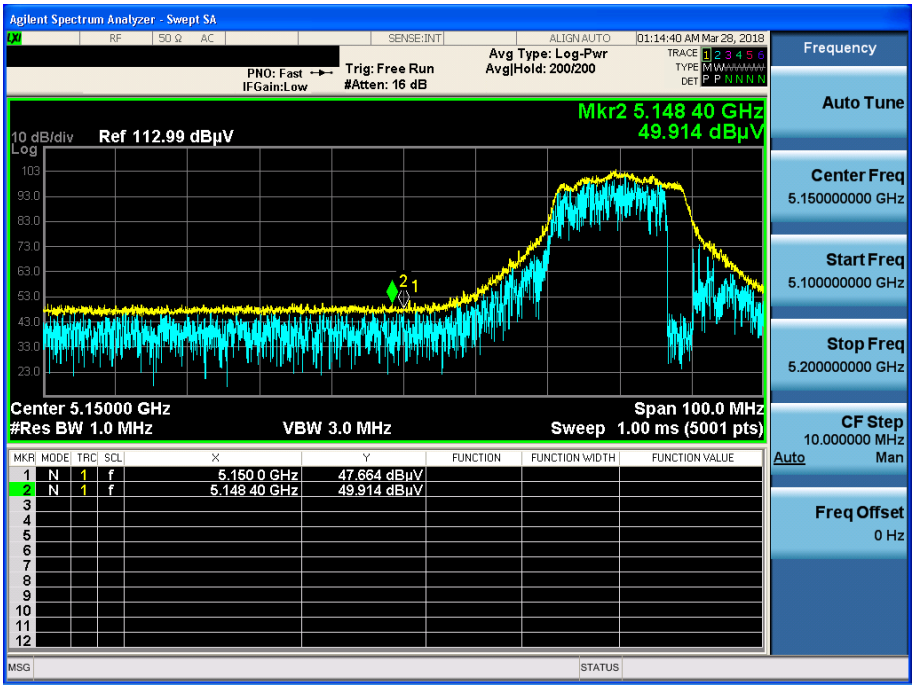

**Note: Total Factor was included on this plot.**

**802.11ac(VHT80) & U-NII 3 & Ch.155 & Z axis & Hor Detector Mode : AV**

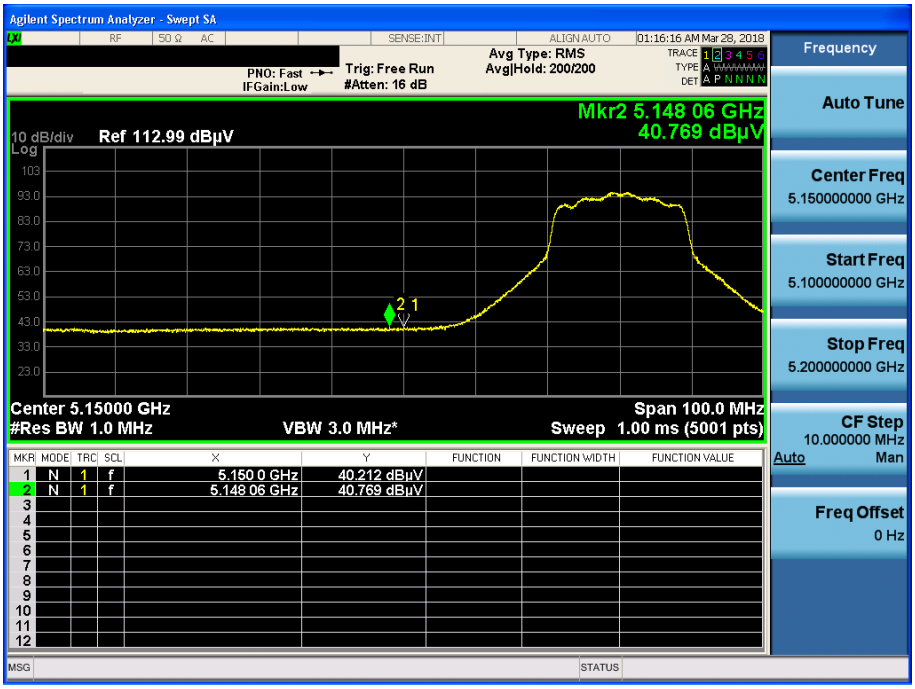


## Unwanted Emissions (Radiated) Test Plot : SDM _ Normal

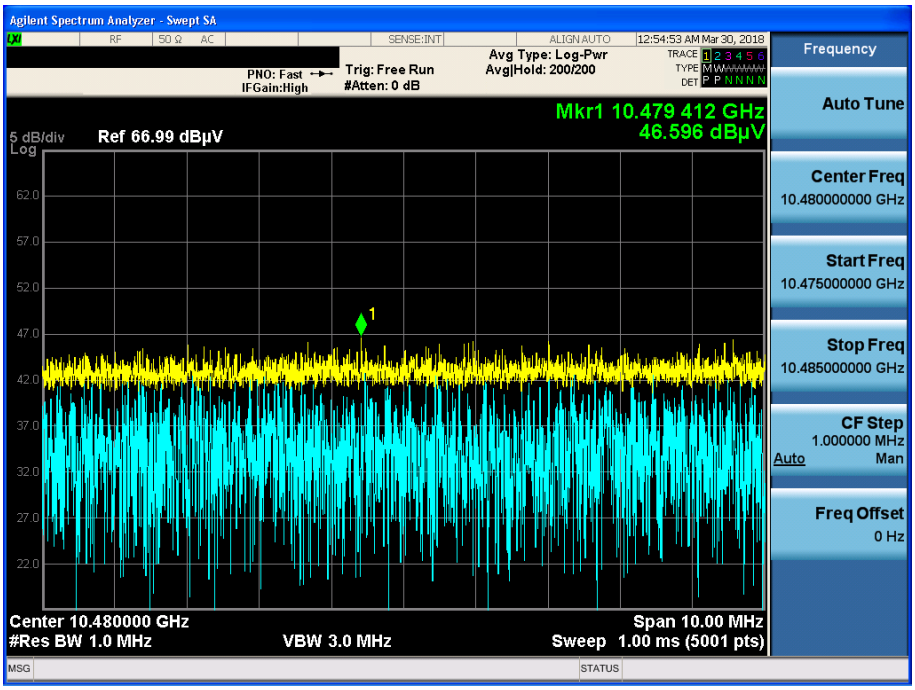
### 802.11ac(VHT20) & U-NII 1 & Ch.36 & Z axis & Hor Detector Mode : PK



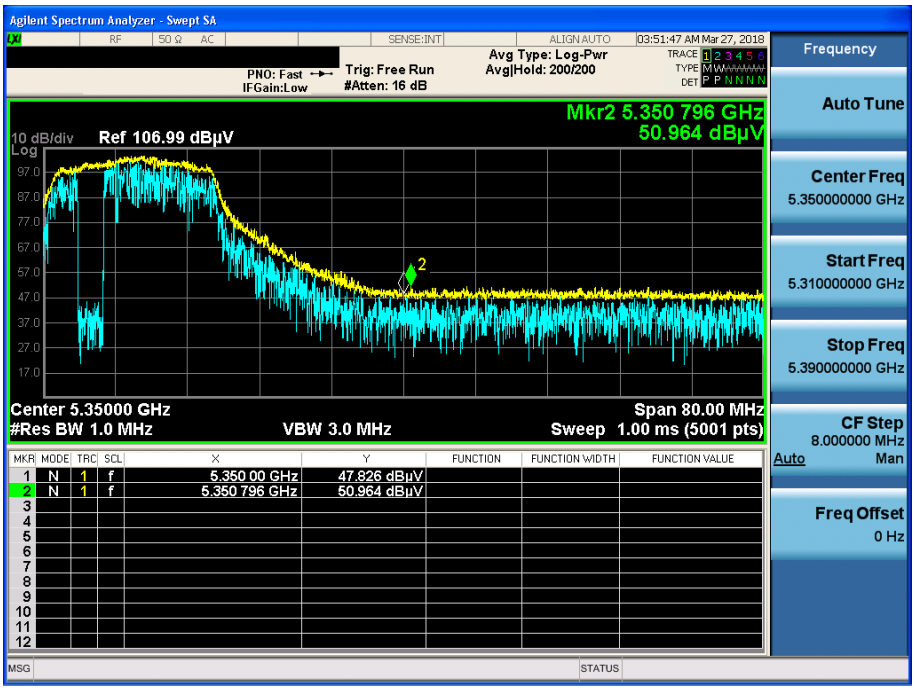

### 802.11ac(VHT20) & U-NII 1 & Ch.36 & Z axis & Hor Detector Mode : AV



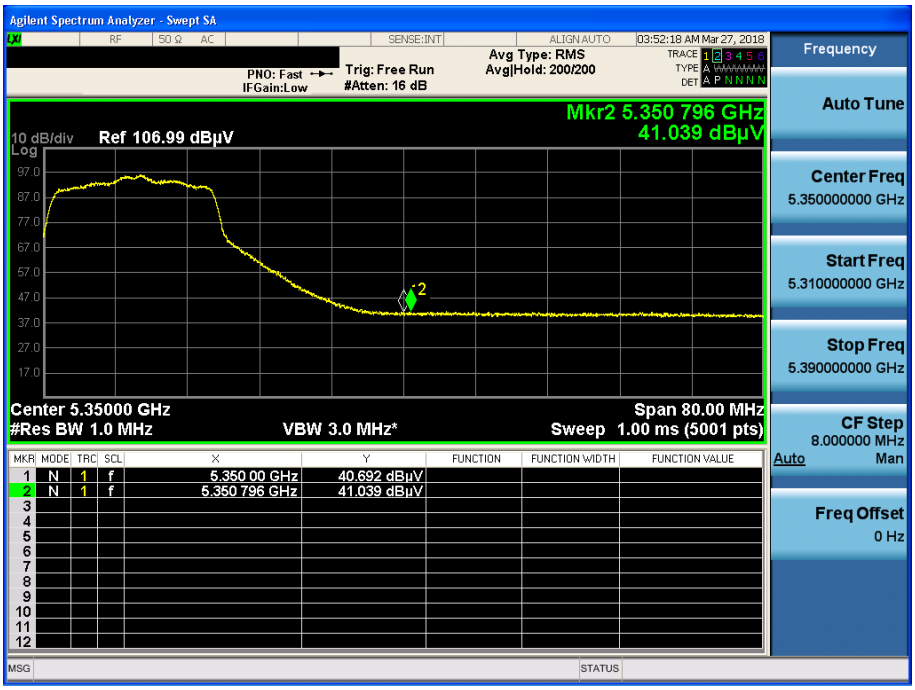
**802.11ac(VHT20) & U-NII 1 & Ch.48 & Z axis & Hor Detector Mode : PK**



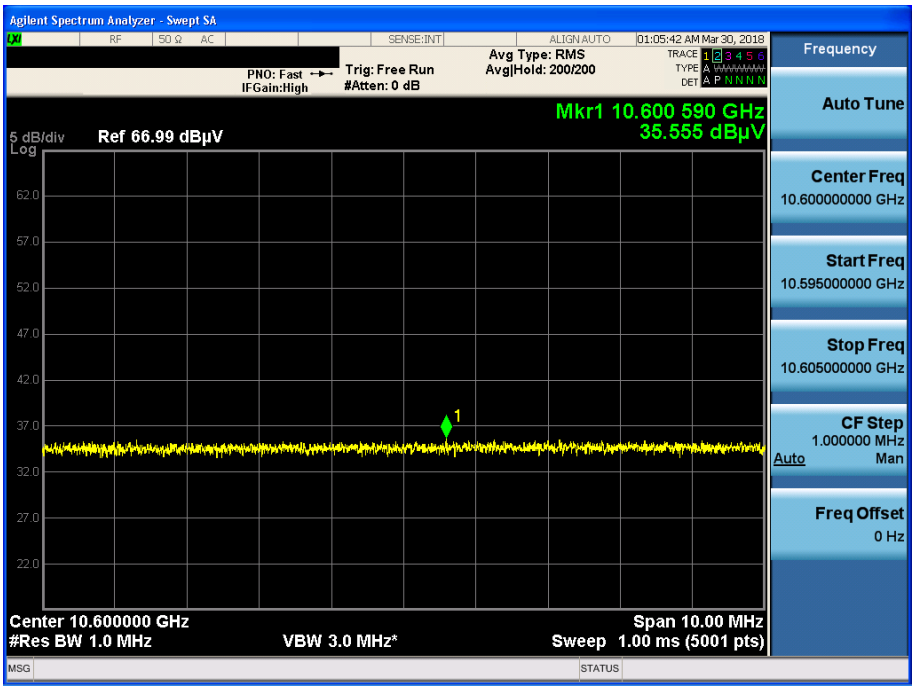
**802.11ac(VHT20) & U-NII 2A & Ch.64 & X axis & Hor Detector Mode : PK**



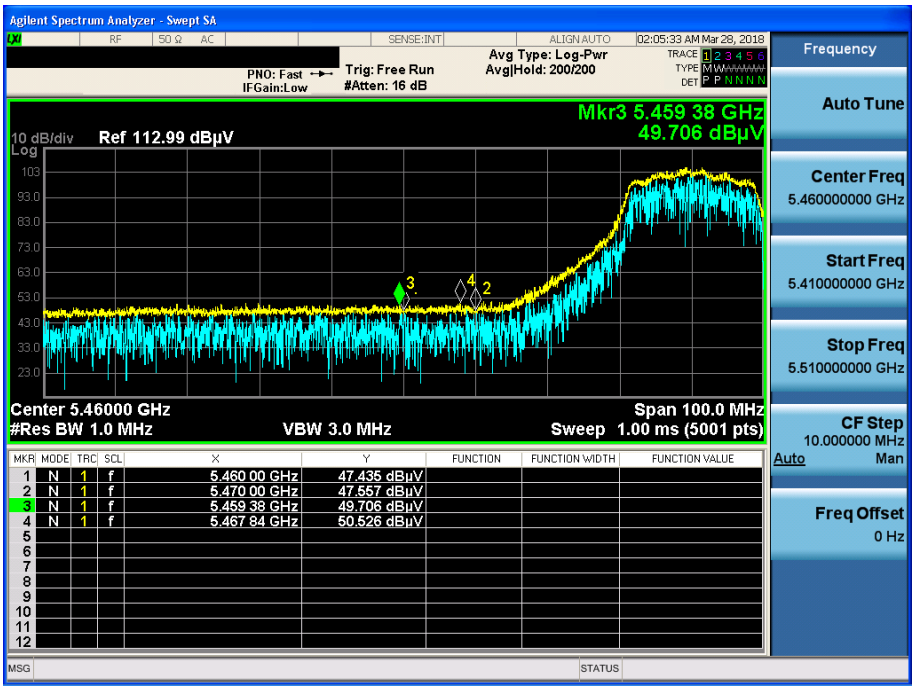

**802.11ac(VHT20) & U-NII 2A & Ch.64 & X axis & Hor Detector Mode : AV**



**802.11ac(VHT20) & U-NII 2A & Ch.60 & Z axis & Hor Detector Mode : AV**

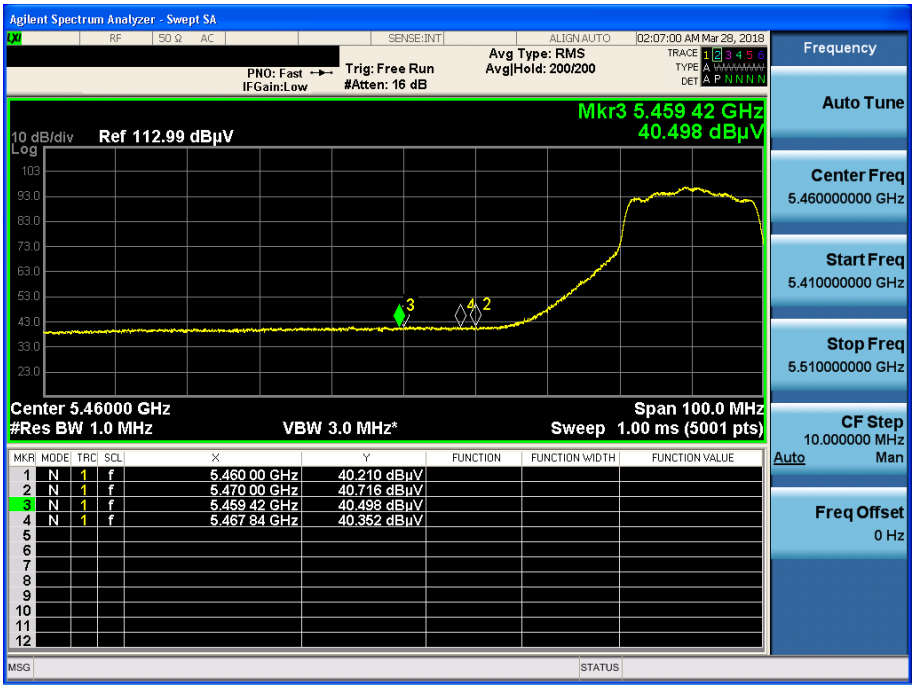


**802.11ac(VHT20) & U-NII 2C & Ch.100 & Z axis & Hor** **Detector Mode : PK**

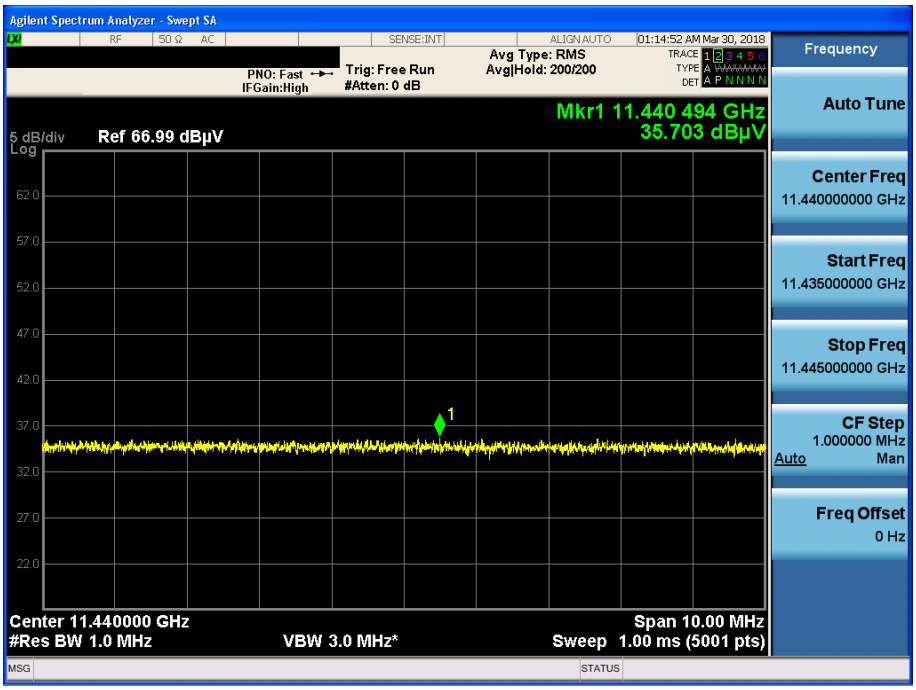



**Note: Total Factor was included on this plot.**

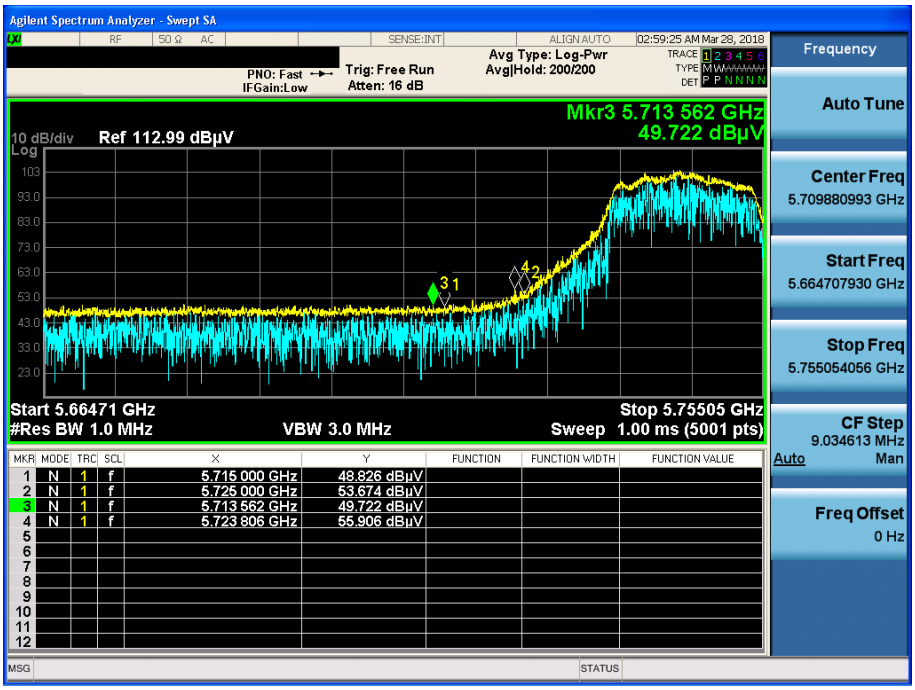
**802.11ac(VHT20) & U-NII 2C & Ch.100 & Z axis & Hor** **Detector Mode : AV**



**802.11ac(VHT20) & U-NII 2C & Ch.144 & Z axis & Hor Detector Mode : AV**

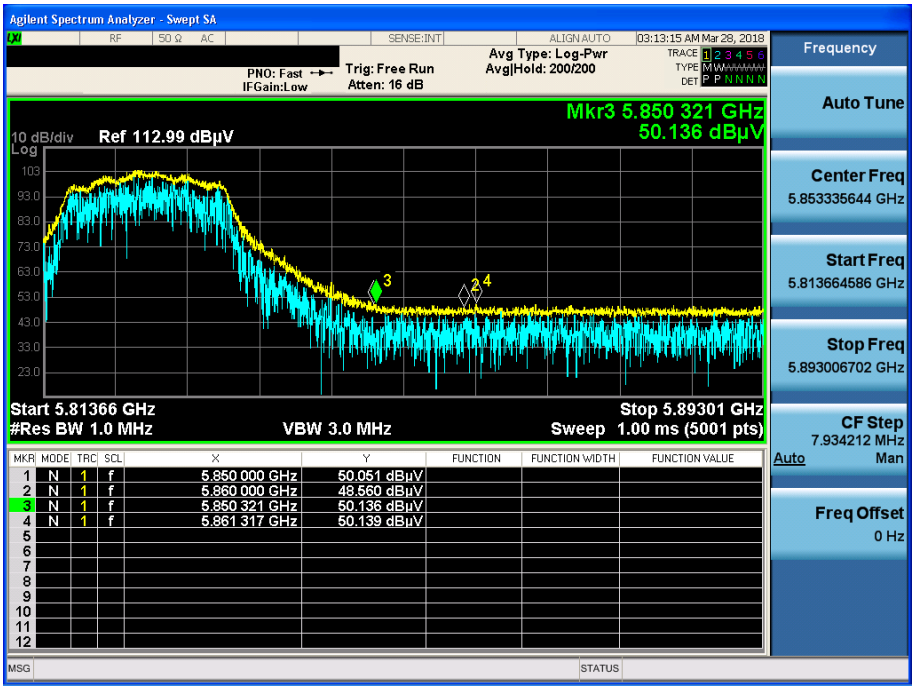


**802.11ac(VHT20) & U-NII 3 & Ch.149 & Z axis & Hor Detector Mode : PK**



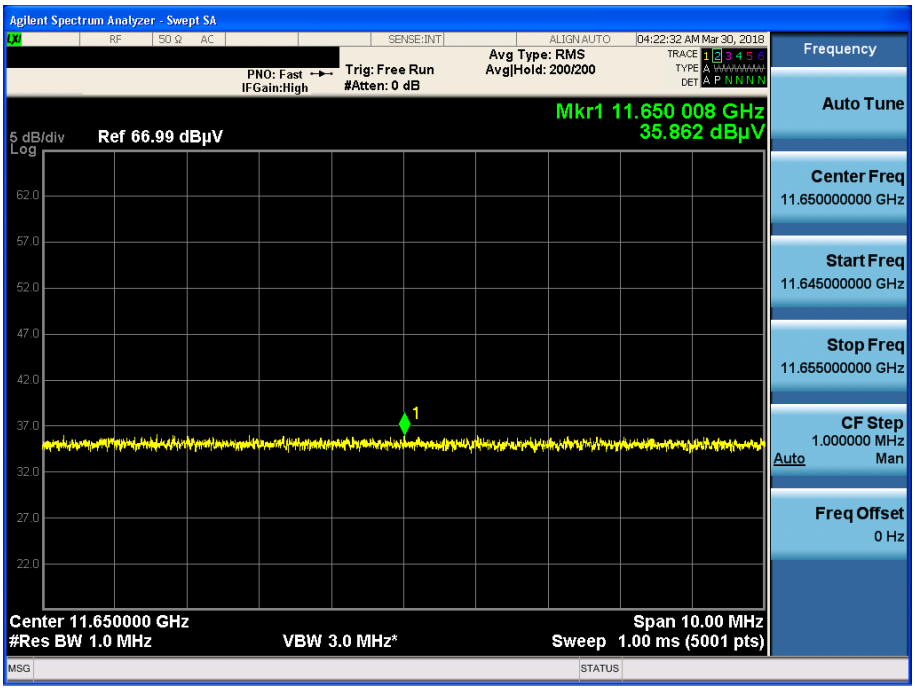

**Note: Total Factor was included on this plot.**

**802.11ac(VHT20) & U-NII 3 & Ch.165 & Z axis & Hor Detector Mode : PK**

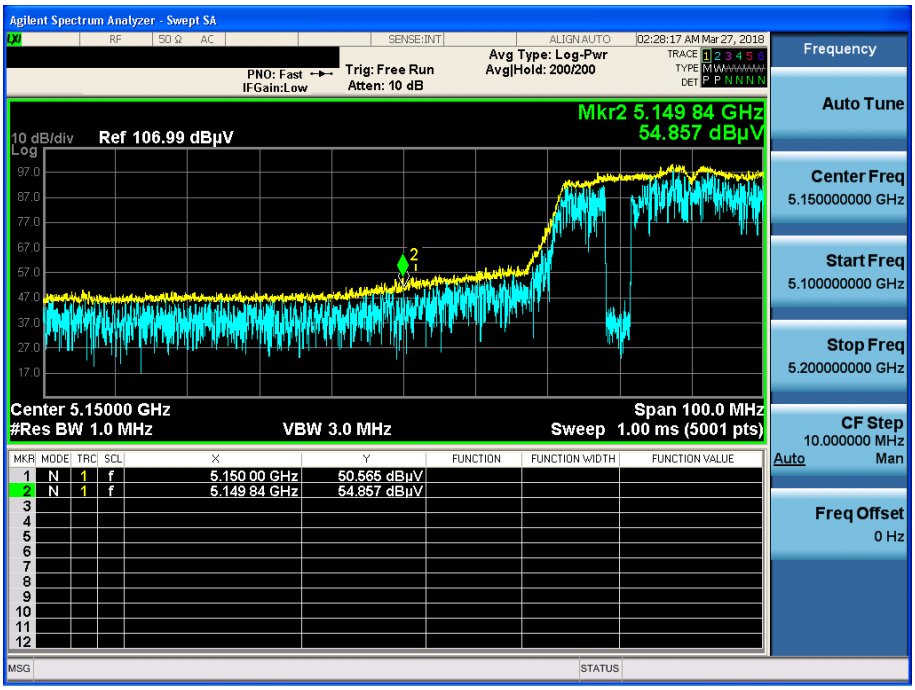



**Note: Total Factor was included on this plot.**

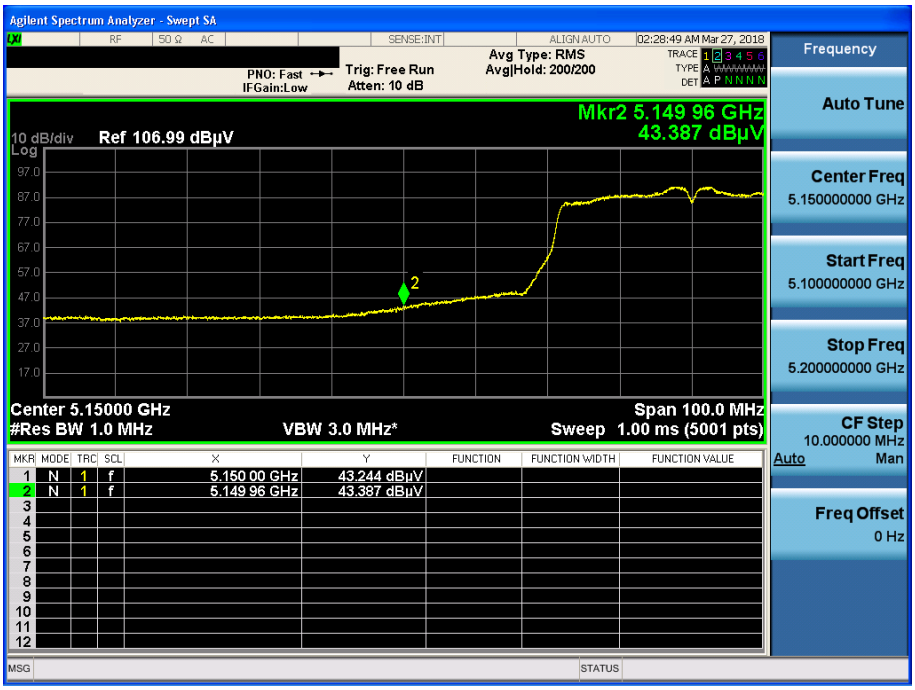
**802.11ac(VHT20) & U-NII 3 & Ch.165 & Z axis & Hor Detector Mode : AV**



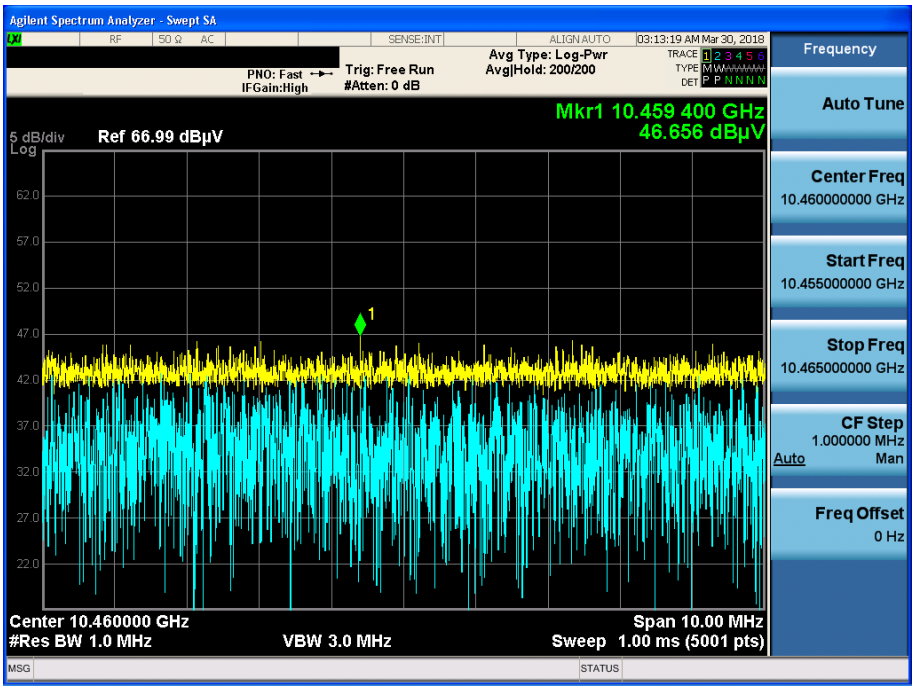
**802.11ac(VHT40) & U-NII 1 & Ch.38 & X axis & Hor Detector Mode : PK**



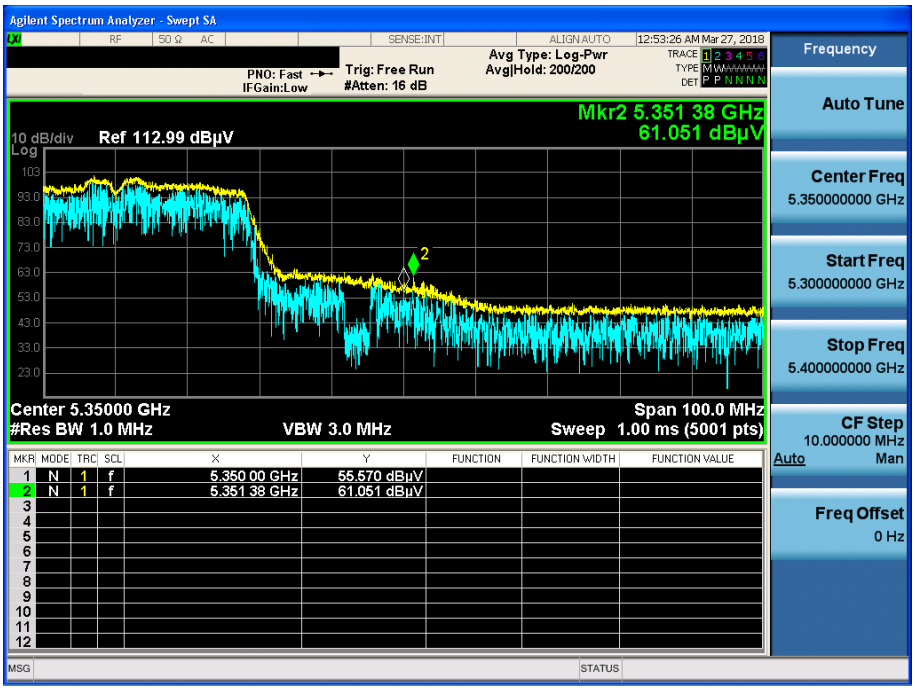

**802.11ac(VHT40) & U-NII 1 & Ch.38 & X axis & Hor Detector Mode : AV**



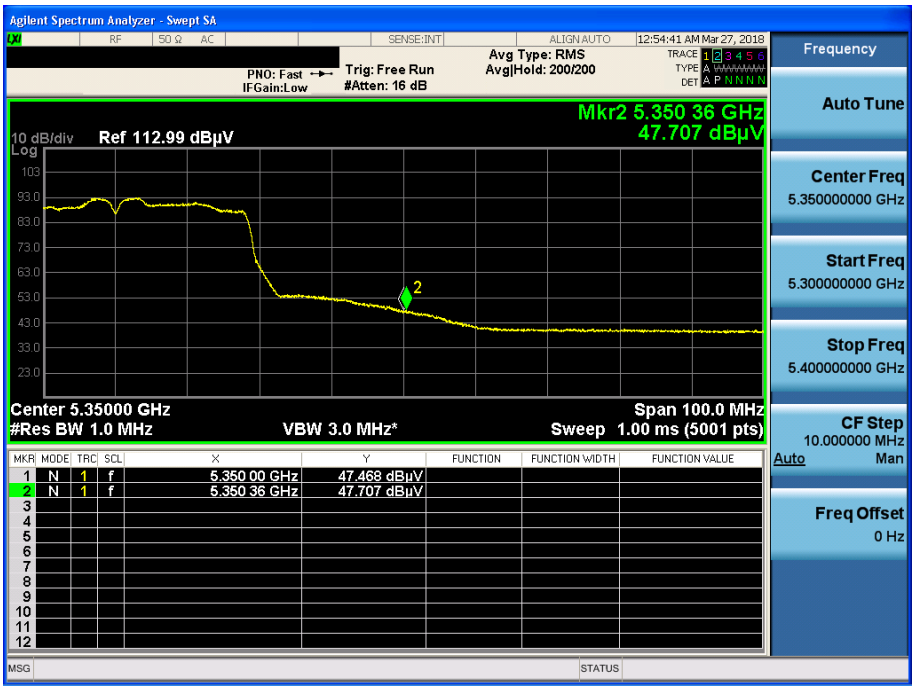
**802.11ac(VHT40) & U-NII 1 & Ch.46 & Z axis & Hor Detector Mode : PK**



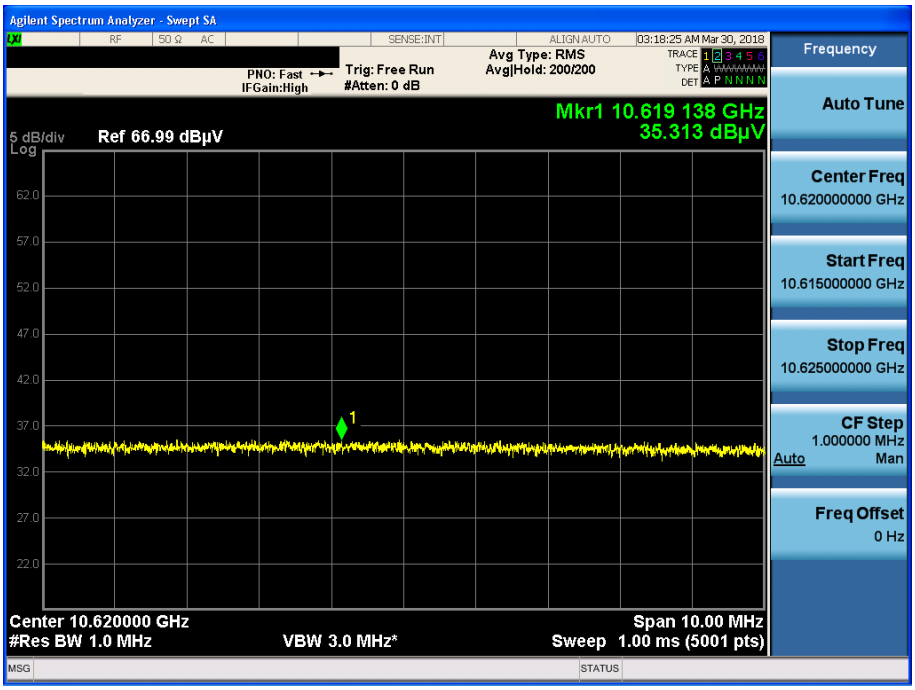
**802.11ac(VHT40) & U-NII 2A & Ch.62 & X axis & Hor Detector Mode : PK**



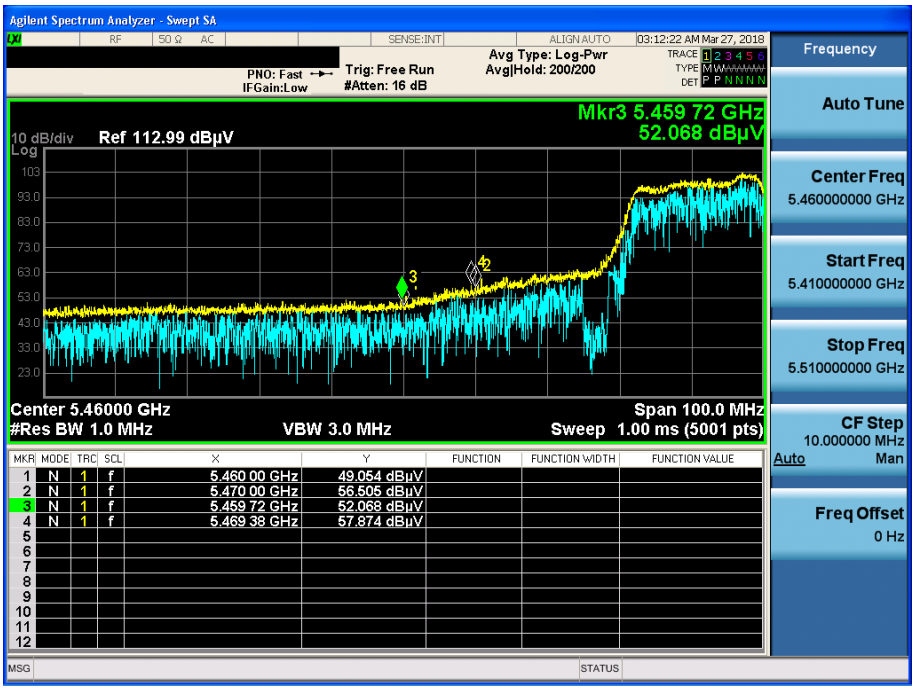

**802.11ac(VHT40) & U-NII 2A & Ch.62 & X axis & Hor Detector Mode : AV**



**802.11ac(VHT40) & U-NII 2A & Ch.62 & Z axis & Hor Detector Mode : AV**

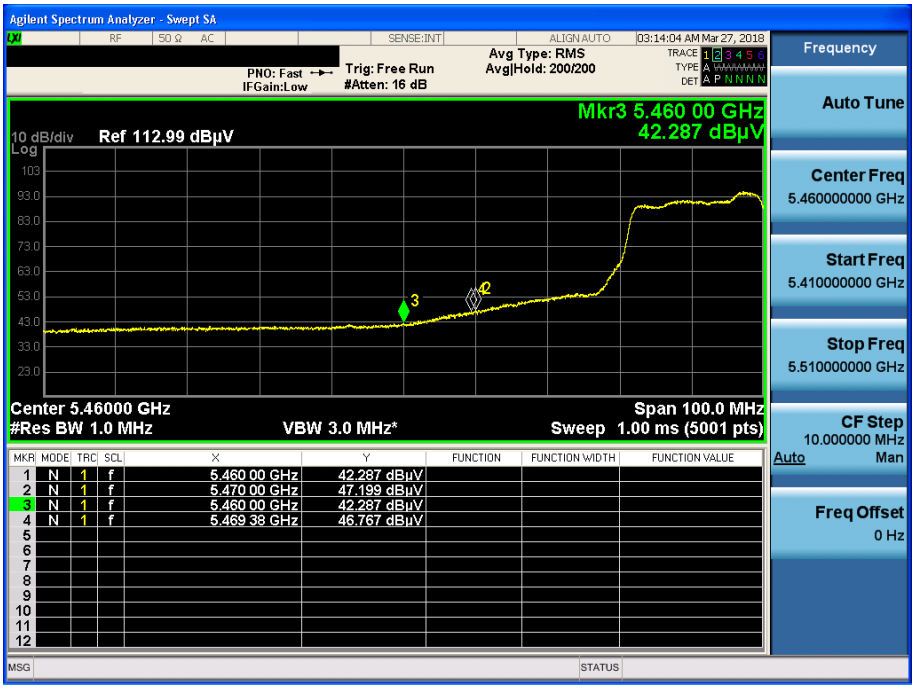


**802.11ac(VHT40) & U-NII 2C & Ch.102 & Z axis & Hor Detector Mode : PK**




**Note: Total Factor was included on this plot.**

**802.11ac(VHT40) & U-NII 2C & Ch.102 & Z axis & Hor Detector Mode : AV**



**802.11ac(VHT40) & U-NII 2C & Ch.142 & Z axis & Hor Detector Mode : AV**