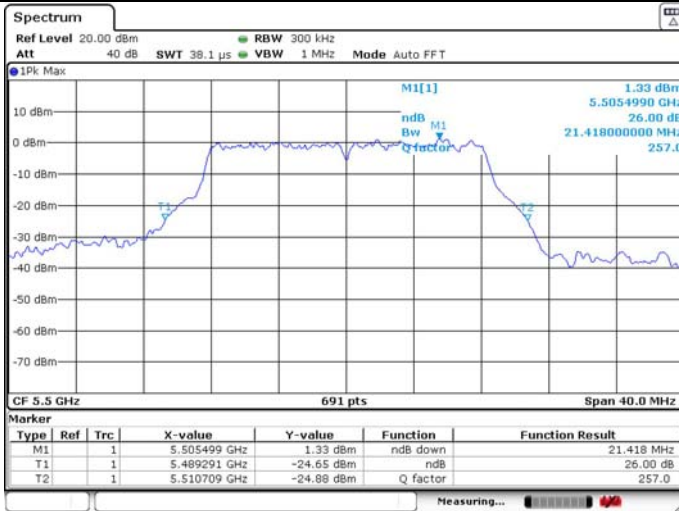
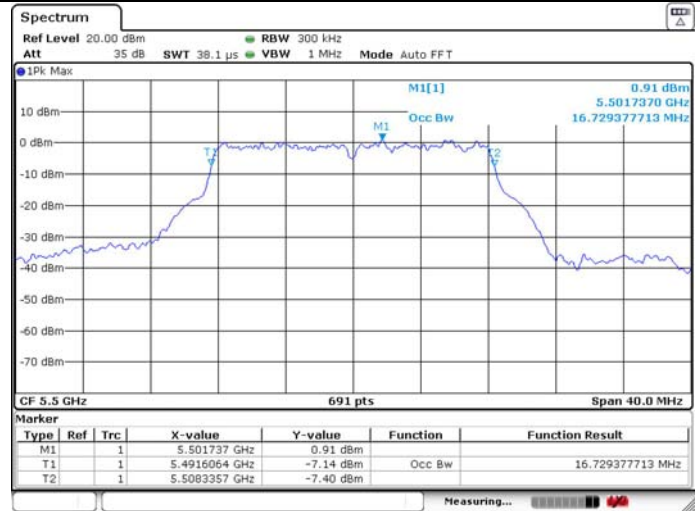


## U-NII-2C IEEE 802.11a 5500MHz\_Ant 1

## 26dB Bandwidth

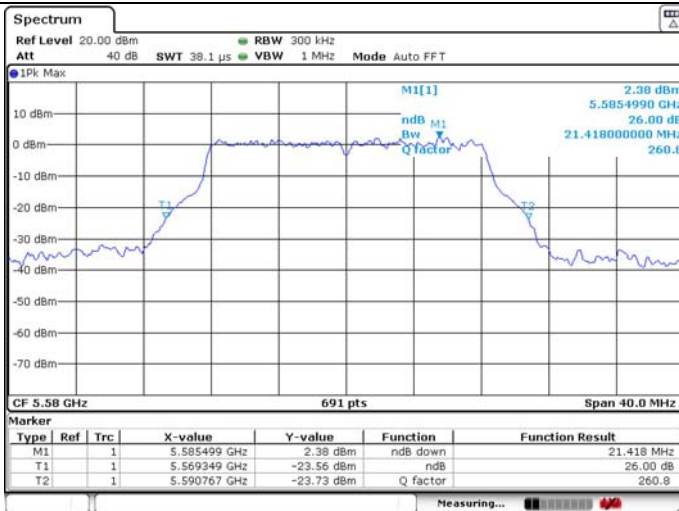


## 99% Occupied Bandwidth

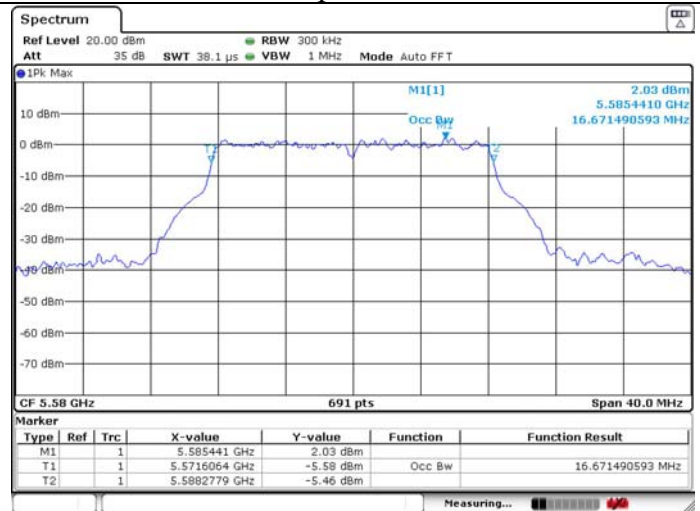


## U-NII-2C IEEE 802.11a 5580MHz\_Ant 1

## 26dB Bandwidth

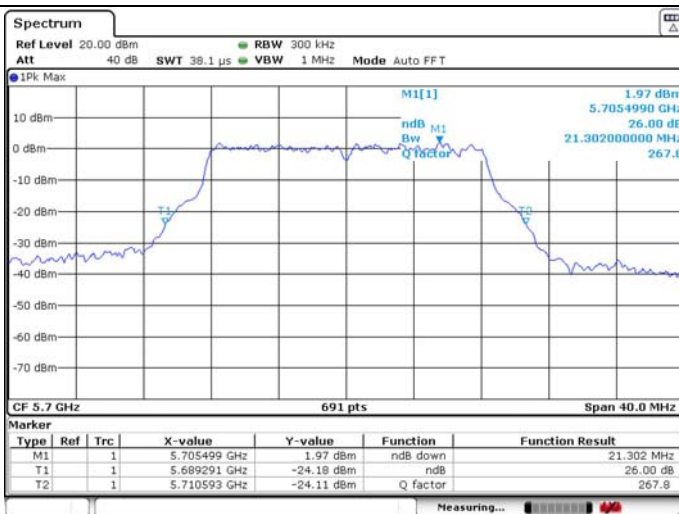


## 99% Occupied Bandwidth

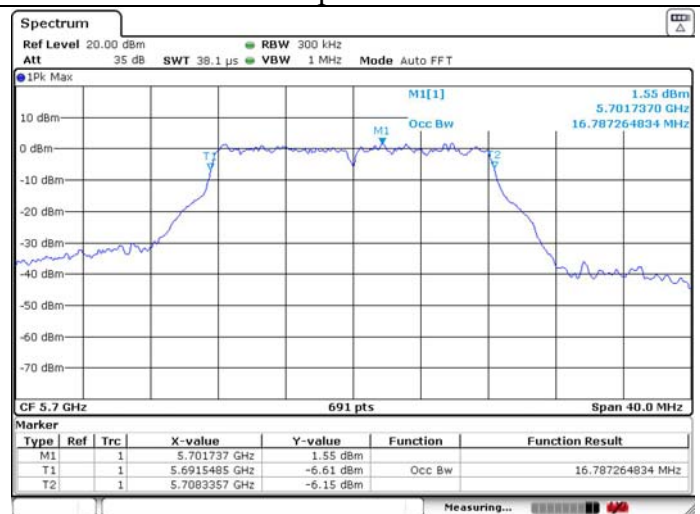


## U-NII-2C IEEE 802.11a 5700MHz\_Ant 1

## 26dB Bandwidth



## 99% Occupied Bandwidth



## U-NII-2C IEEE 802.11n HT20 5500MHz\_Ant 1

## 26dB Bandwidth

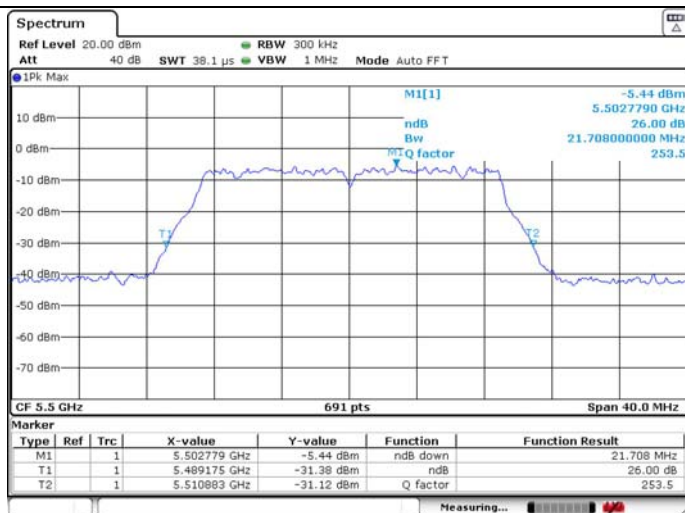


## 99% Occupied Bandwidth

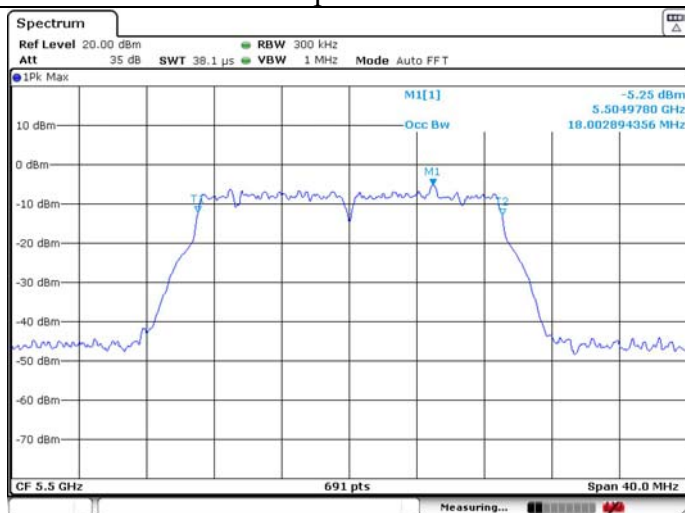


## U-NII-2C IEEE 802.11n HT20 5500MHz\_Ant 2

## 26dB Bandwidth

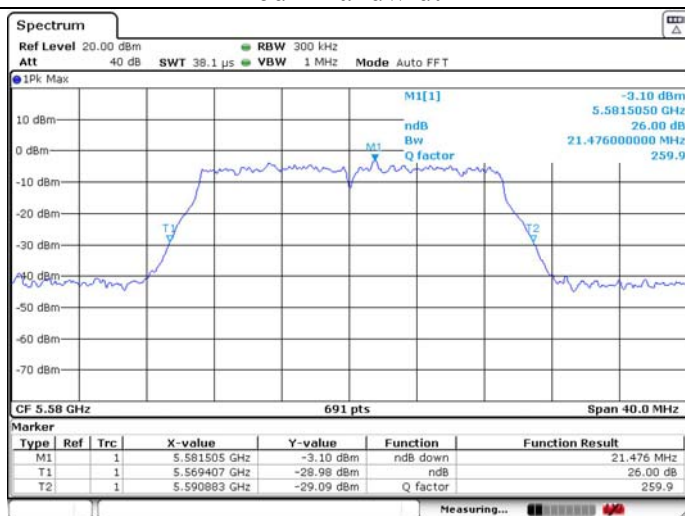


## 99% Occupied Bandwidth

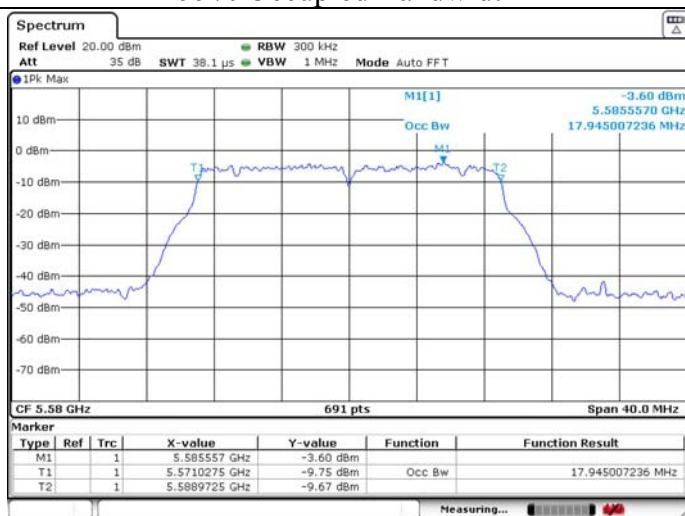


## U-NII-2C IEEE 802.11n HT20 5580MHz\_Ant 1

## 26dB Bandwidth



## 99% Occupied Bandwidth

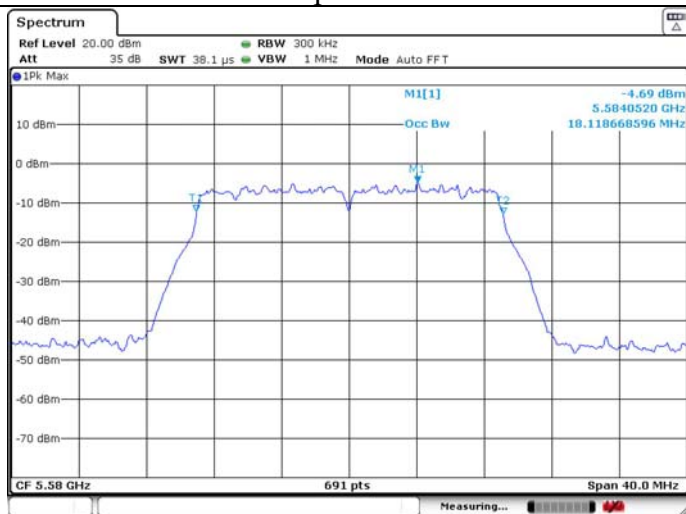


## U-NII-2C IEEE 802.11n HT20 5580MHz\_Ant 2

26dB Bandwidth

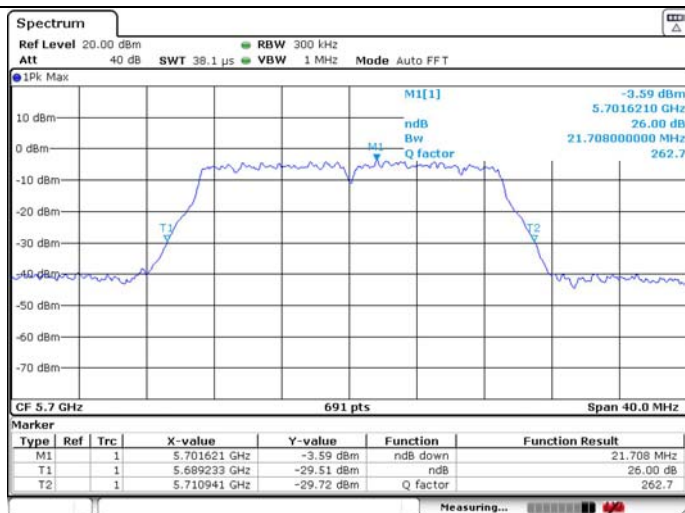


99% Occupied Bandwidth

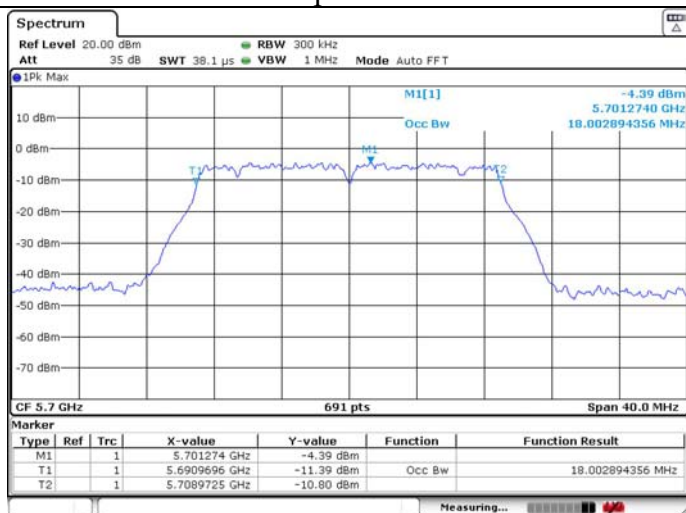


## U-NII-2C IEEE 802.11n HT20 5700MHz\_Ant 1

26dB Bandwidth



99% Occupied Bandwidth

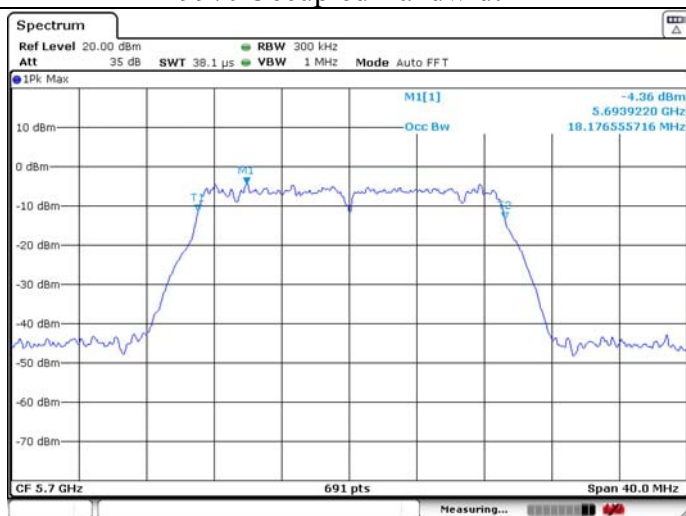


## U-NII-2C IEEE 802.11n HT20 5700MHz\_Ant 2

26dB Bandwidth

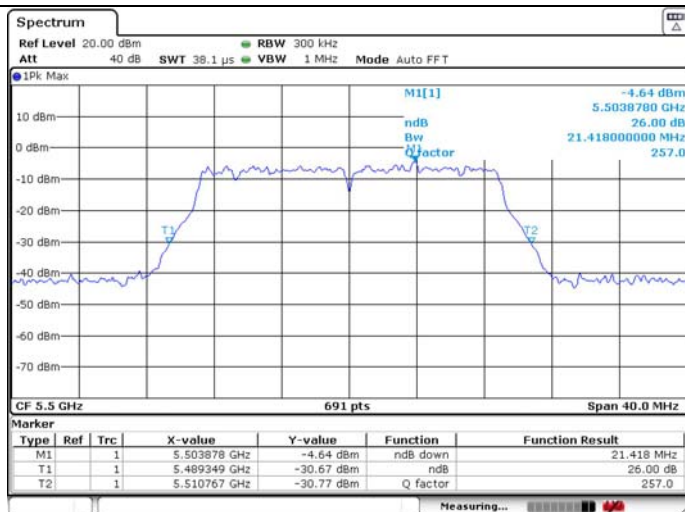


99% Occupied Bandwidth

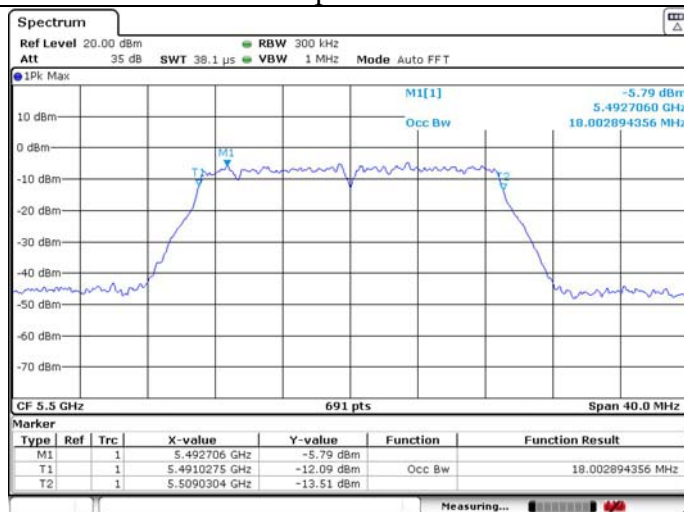


## U-NII-2C IEEE 802.11ac VHT20 5500MHz\_Ant 1

## 26dB Bandwidth

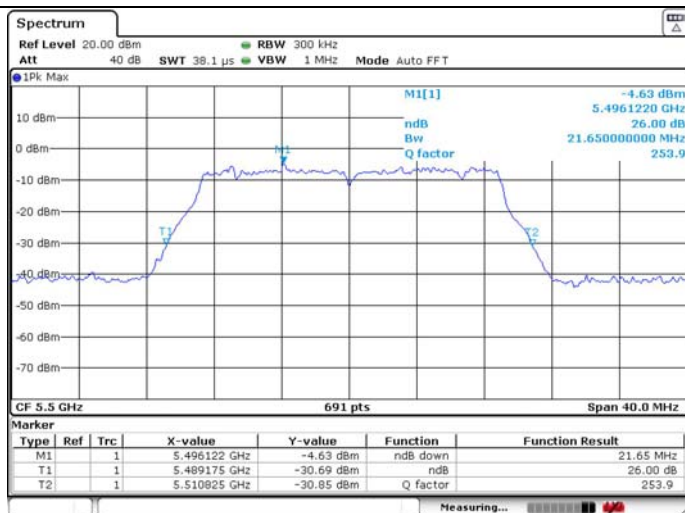


## 99% Occupied Bandwidth

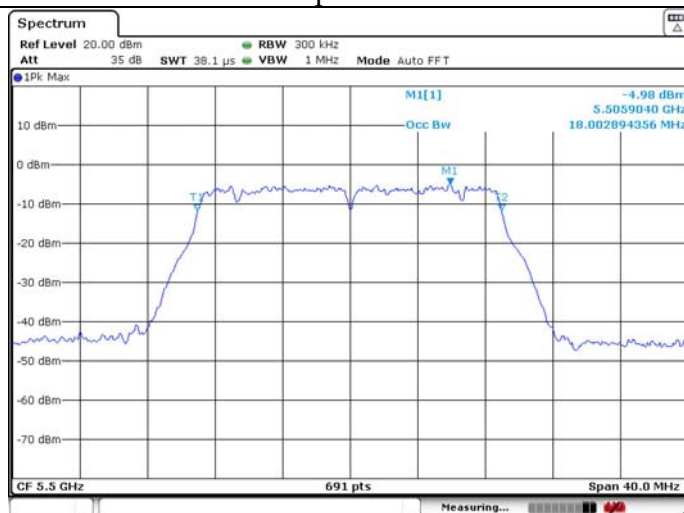


## U-NII-2C IEEE 802.11ac VHT20 5500MHz\_Ant 2

## 26dB Bandwidth

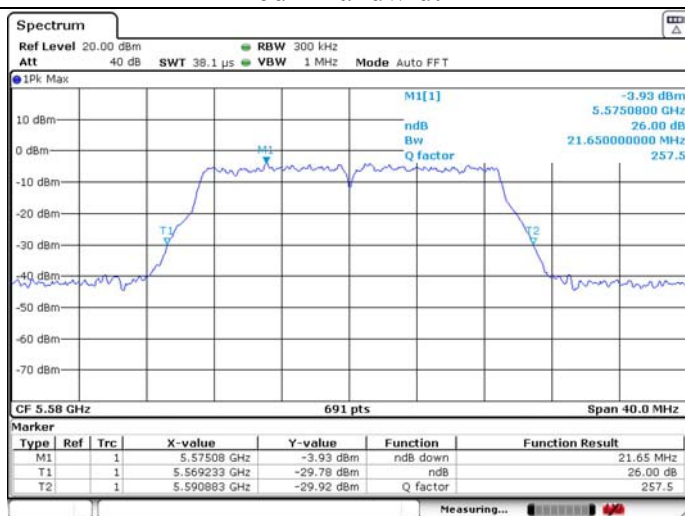


## 99% Occupied Bandwidth

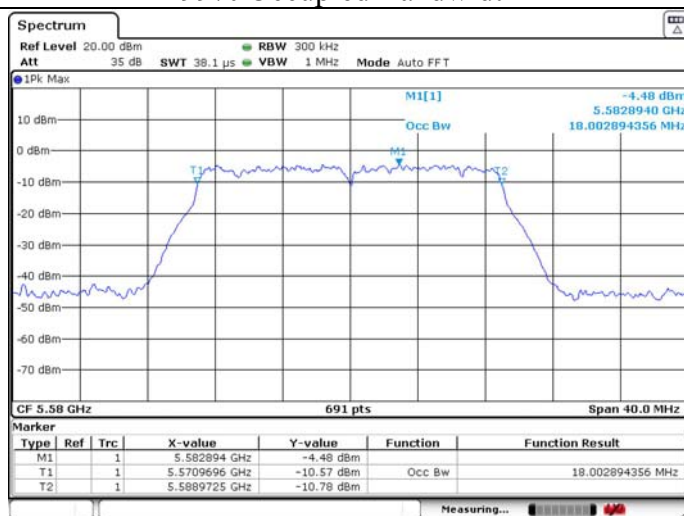


## U-NII-2C IEEE 802.11ac VHT20 5580MHz\_Ant 1

## 26dB Bandwidth



## 99% Occupied Bandwidth



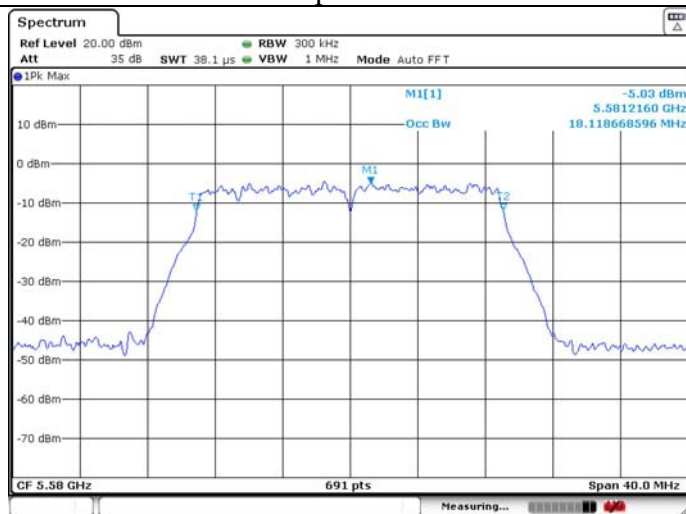


## U-NII-2C IEEE 802.11ac VHT20 5580MHz\_Ant 2

## 26dB Bandwidth

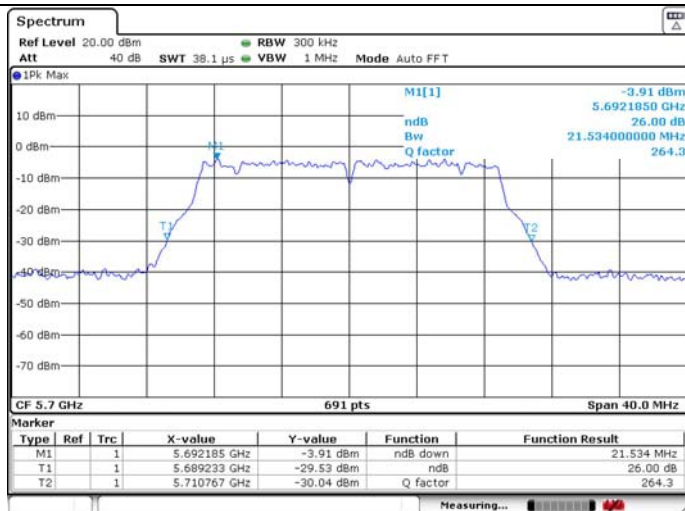


## 99% Occupied Bandwidth

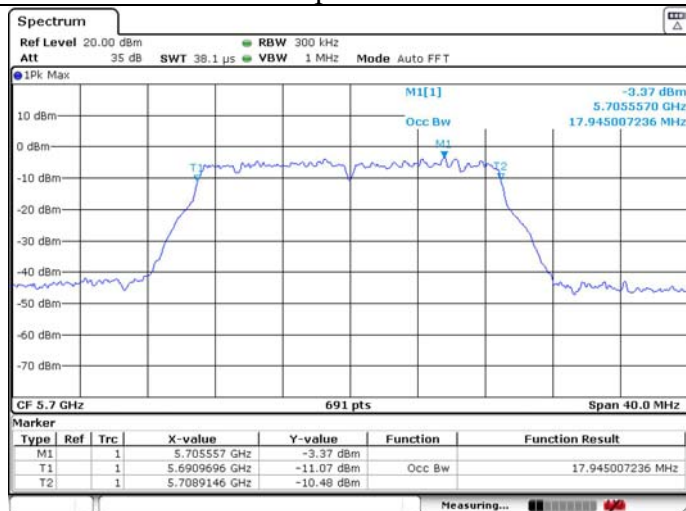


## U-NII-2C IEEE 802.11ac VHT20 5700MHz\_Ant 1

## 26dB Bandwidth

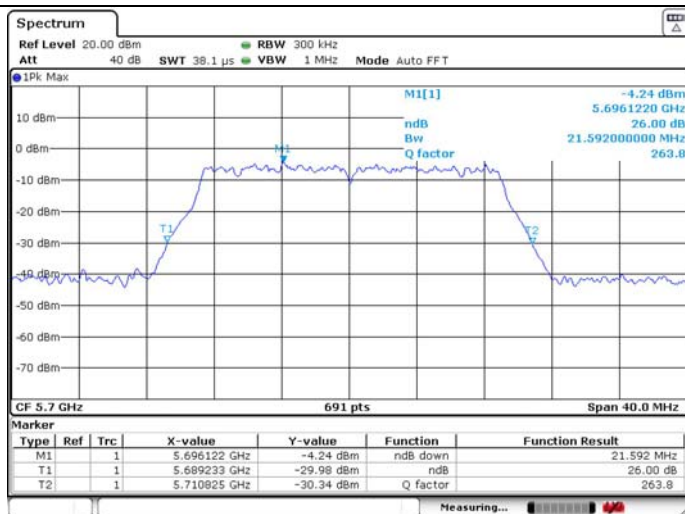


## 99% Occupied Bandwidth

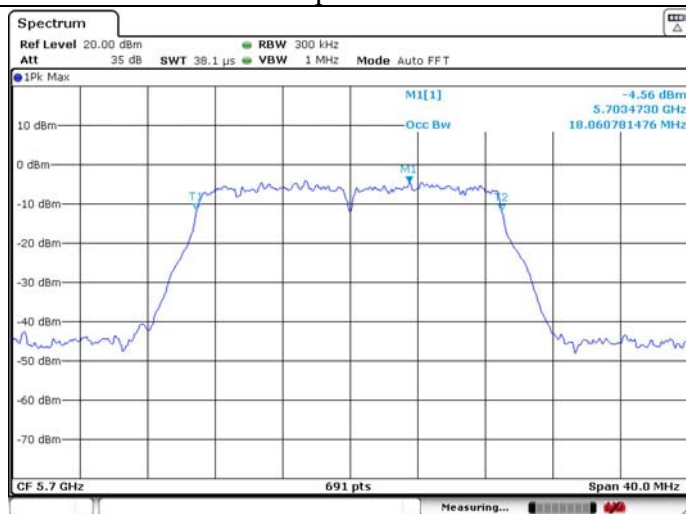


## U-NII-2C IEEE 802.11ac VHT20 5700MHz\_Ant 2

## 26dB Bandwidth

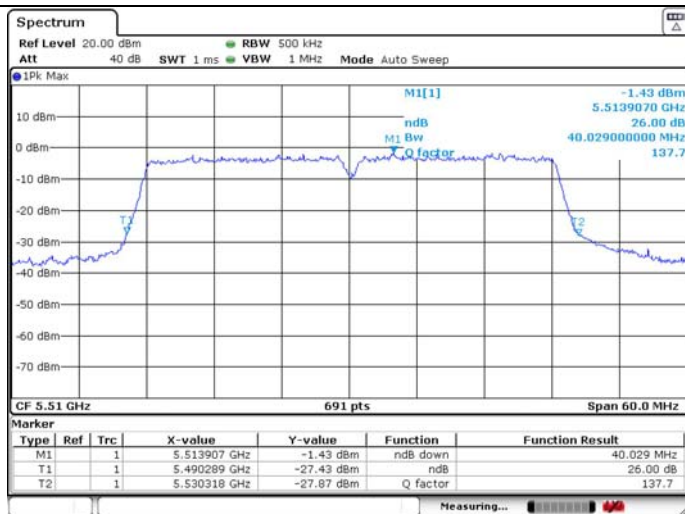


## 99% Occupied Bandwidth



## U-NII-2C IEEE 802.11n HT40 5510MHz\_Ant 1

## 26dB Bandwidth

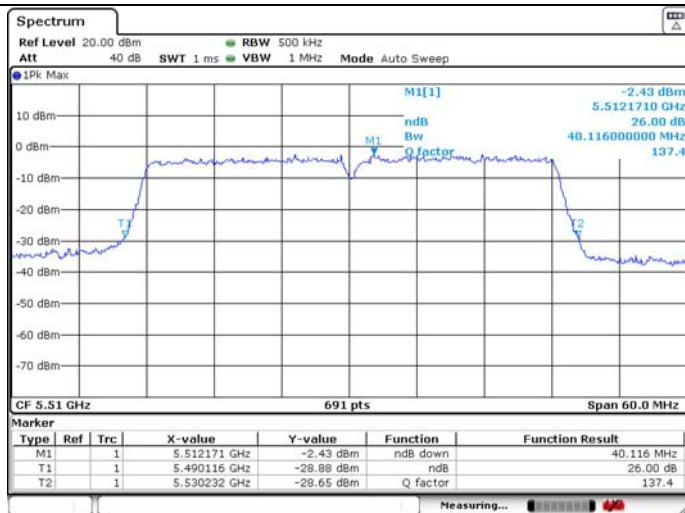


## 99% Occupied Bandwidth

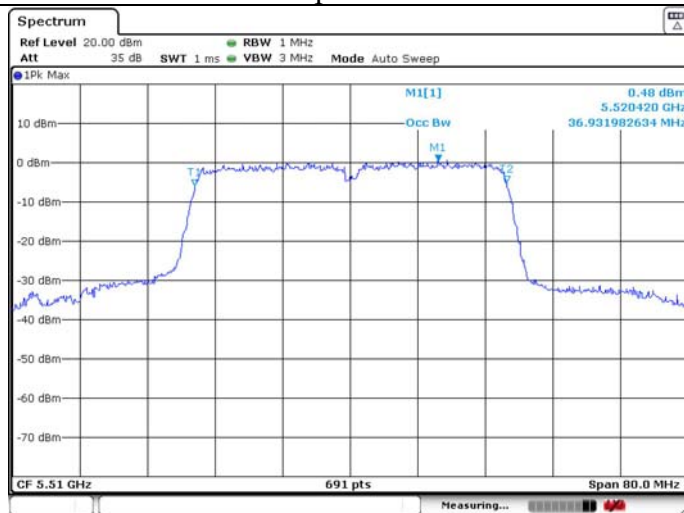


## U-NII-2C IEEE 802.11n HT40 5510MHz\_Ant 2

## 26dB Bandwidth

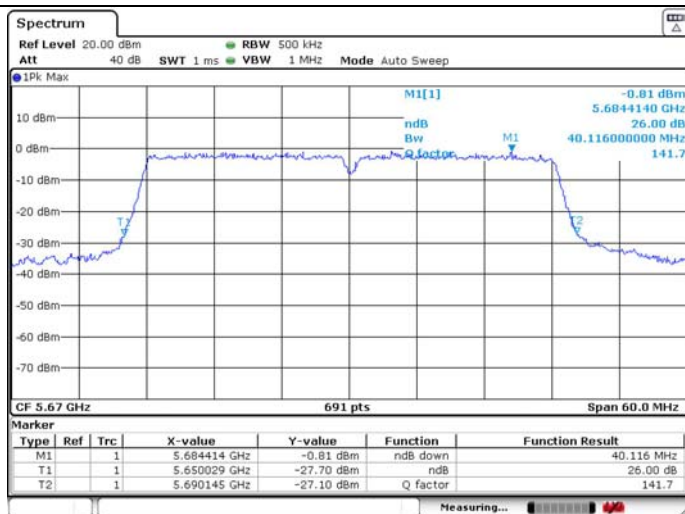


## 99% Occupied Bandwidth

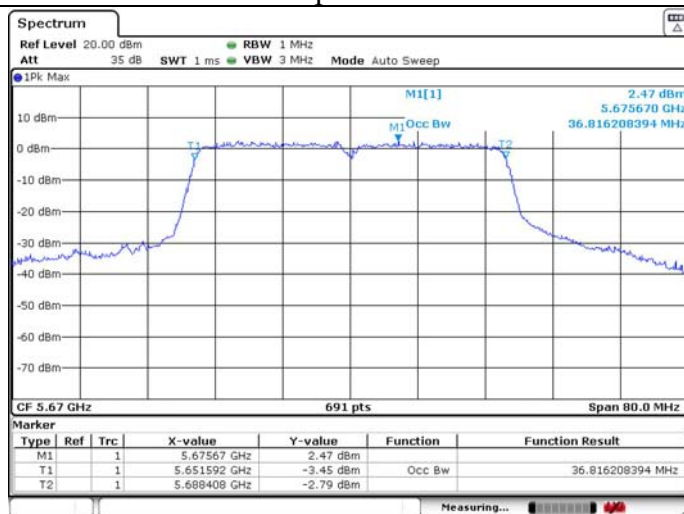


## U-NII-2C IEEE 802.11n HT40 5670MHz\_Ant 1

## 26dB Bandwidth

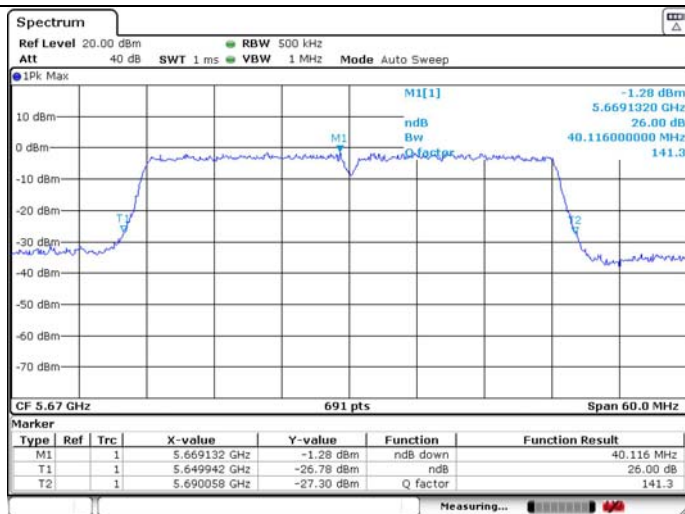


## 99% Occupied Bandwidth

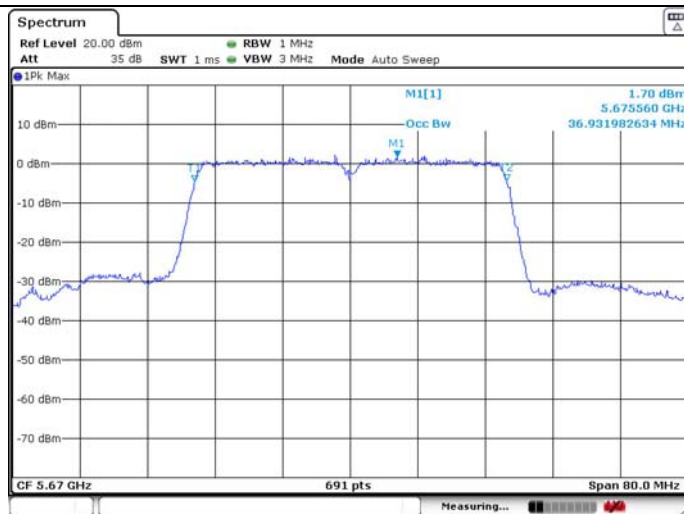


## U-NII-2C IEEE 802.11n HT40 5670MHz\_Ant 2

26dB Bandwidth

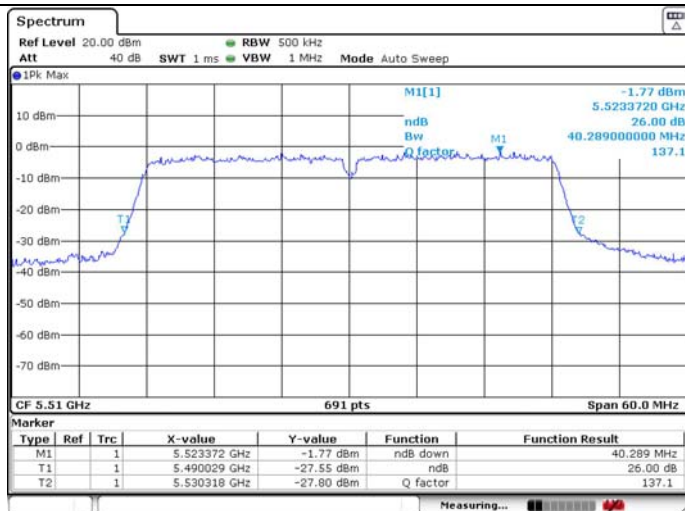


26dB Bandwidth

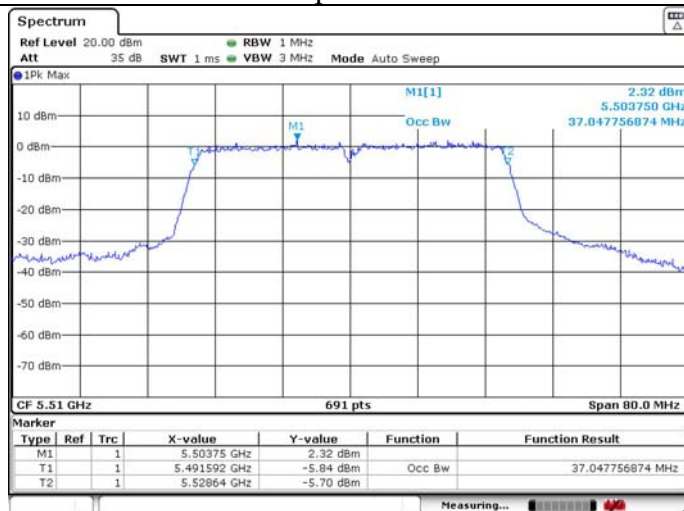


## U-NII-2C IEEE 802.11ac VHT40 5510MHz\_Ant 1

26dB Bandwidth

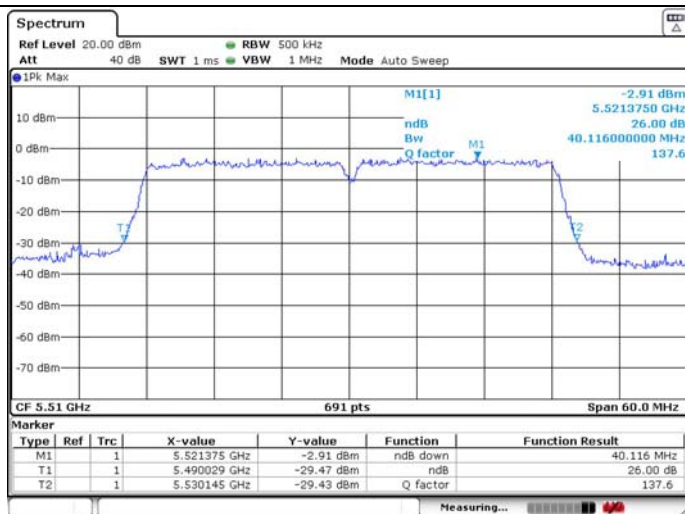


99% Occupied Bandwidth

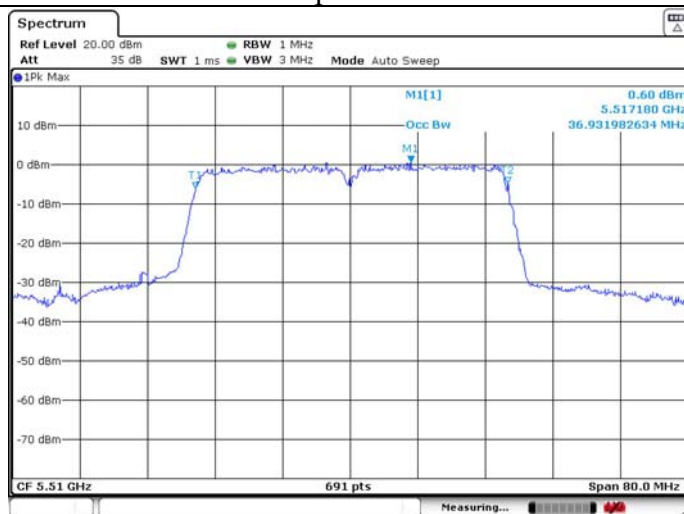


## U-NII-2C IEEE 802.11ac VHT40 5510MHz\_Ant 2

26dB Bandwidth

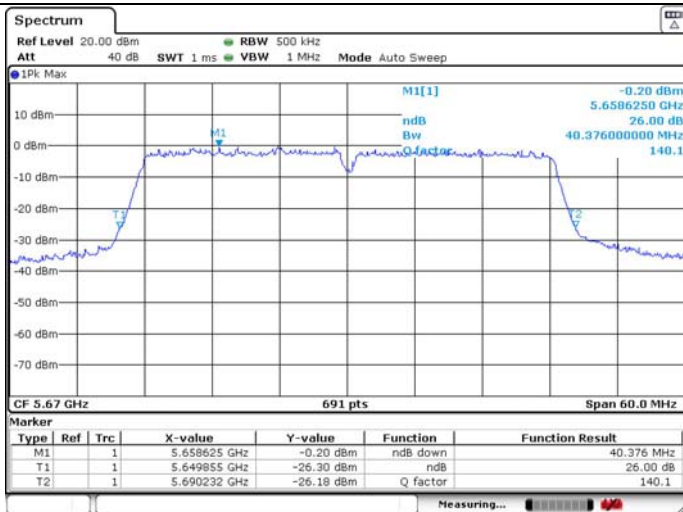


99% Occupied Bandwidth

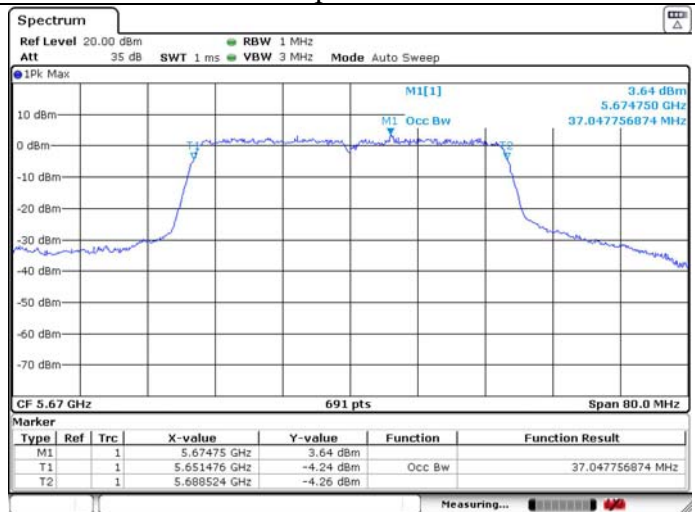


## U-NII-2C IEEE 802.11ac VHT40 5670MHz\_Ant 1

## 26dB Bandwidth

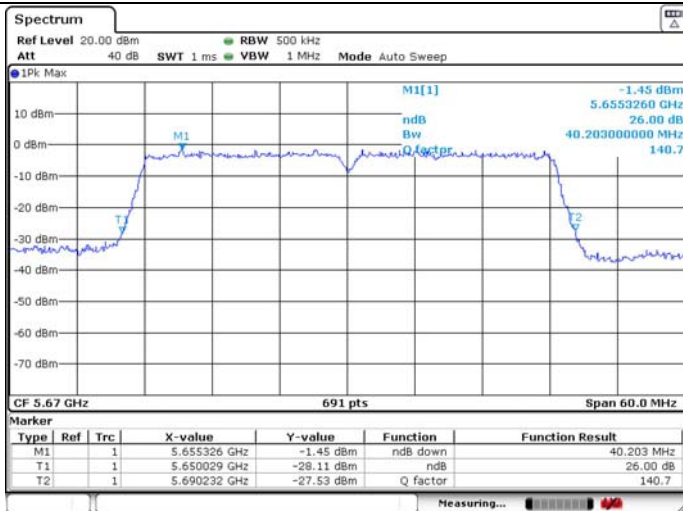


## 99% Occupied Bandwidth

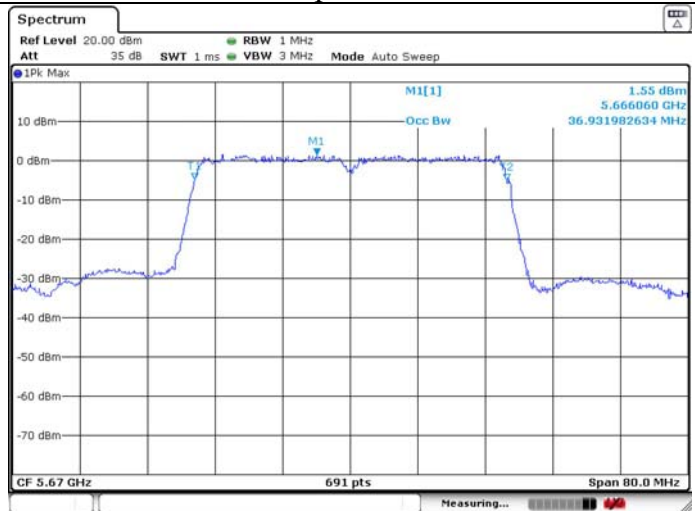


## U-NII-2C IEEE 802.11ac VHT40 5670MHz\_Ant 2

## 26dB Bandwidth

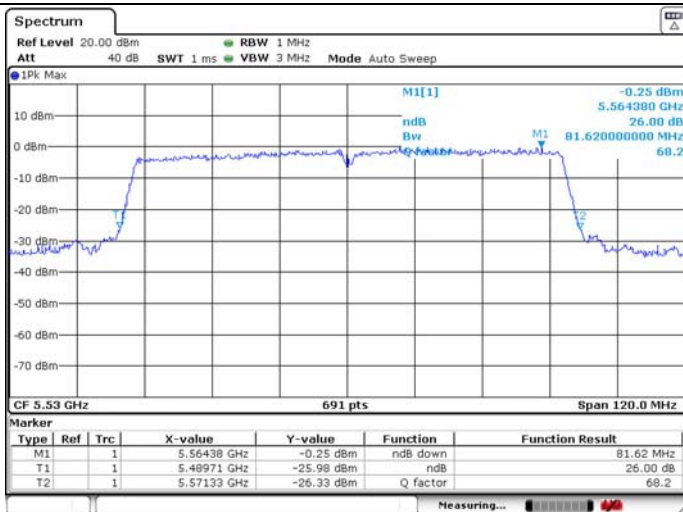


## 99% Occupied Bandwidth

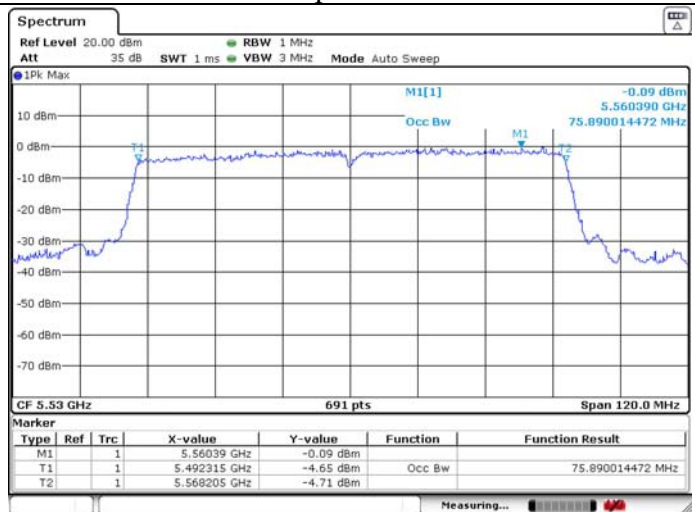


## U-NII-2C IEEE 802.11ac VHT80 5530MHz\_Ant 1

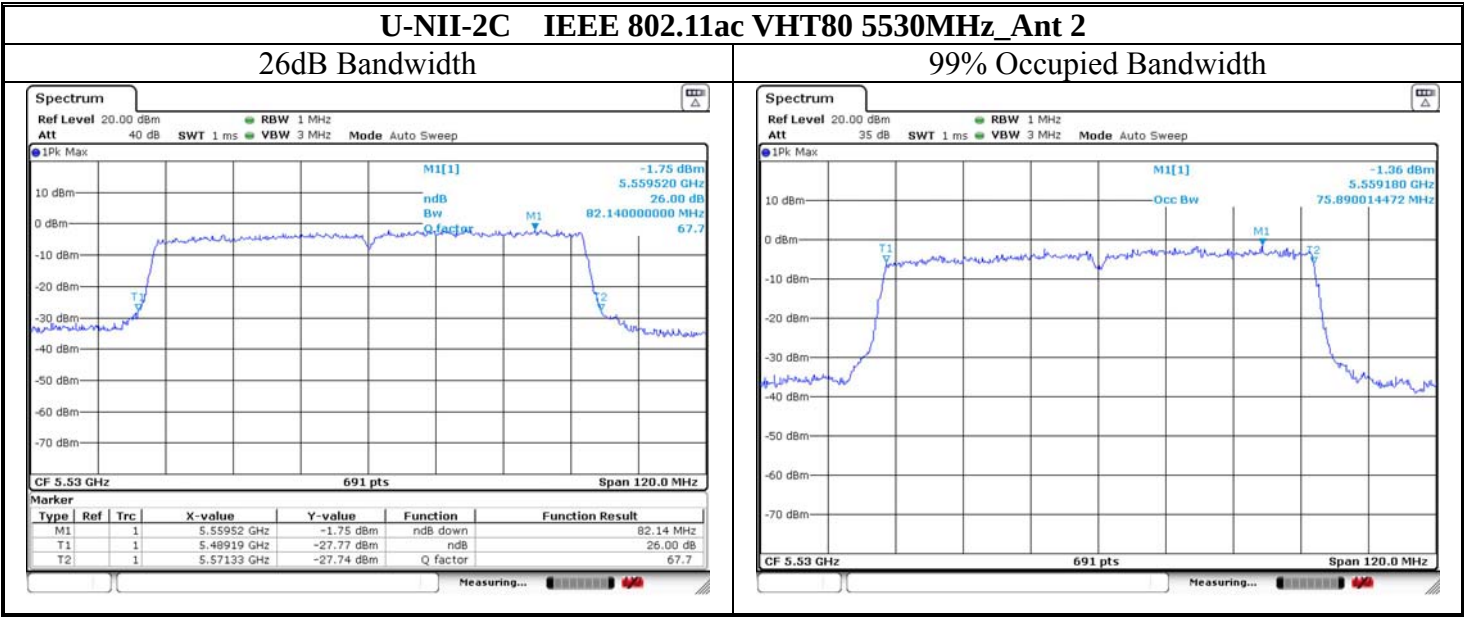
## 26dB Bandwidth



## 99% Occupied Bandwidth

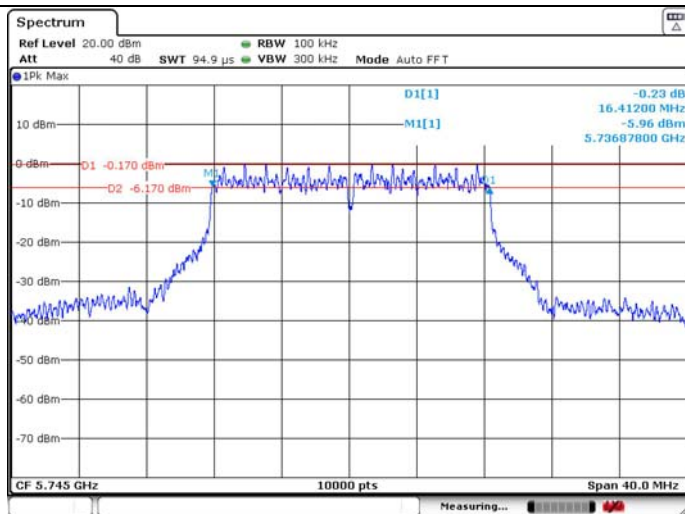






## U-NII-3 IEEE 802.11a 5745MHz\_Ant 1

## 6dB Bandwidth

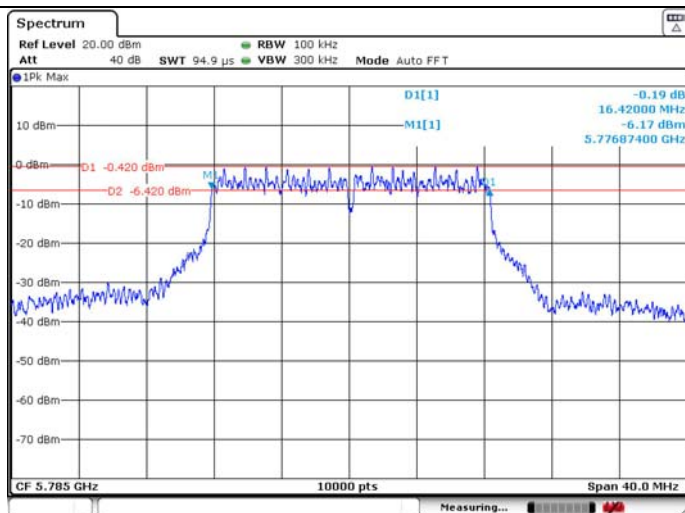


## 99% Occupied Bandwidth

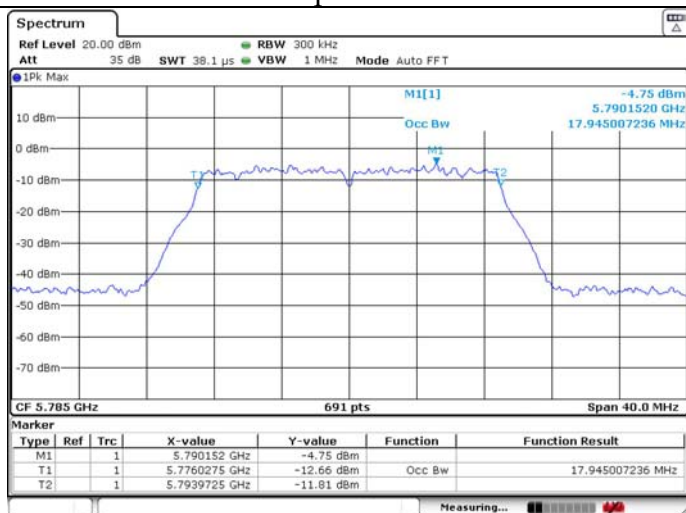


## U-NII-3 IEEE 802.11a 5785MHz\_Ant 1

## 6dB Bandwidth

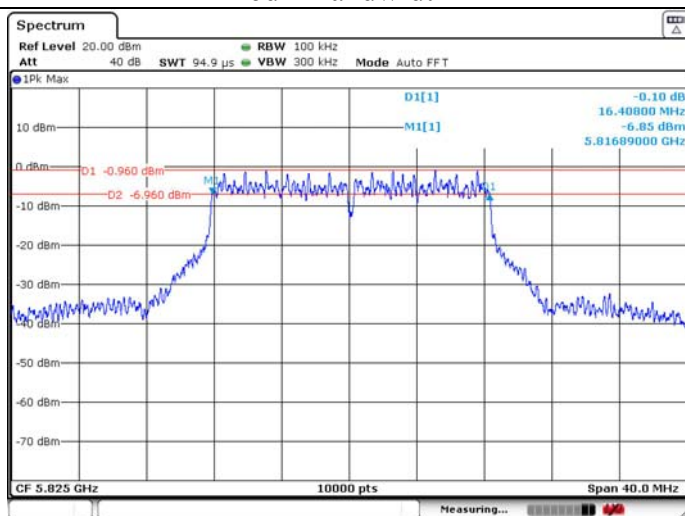


## 99% Occupied Bandwidth

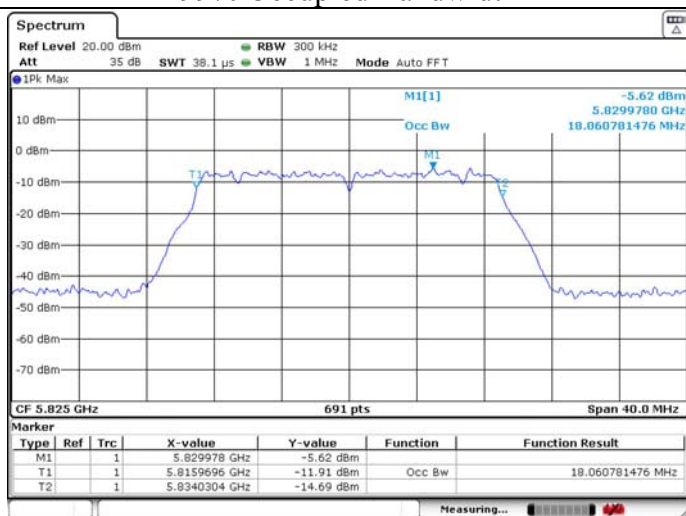


## U-NII-3 IEEE 802.11a 5825MHz\_Ant 1

## 6dB Bandwidth

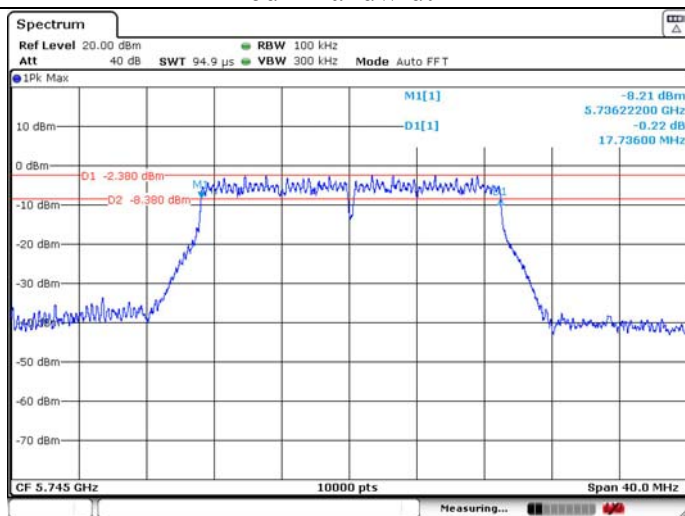


## 99% Occupied Bandwidth

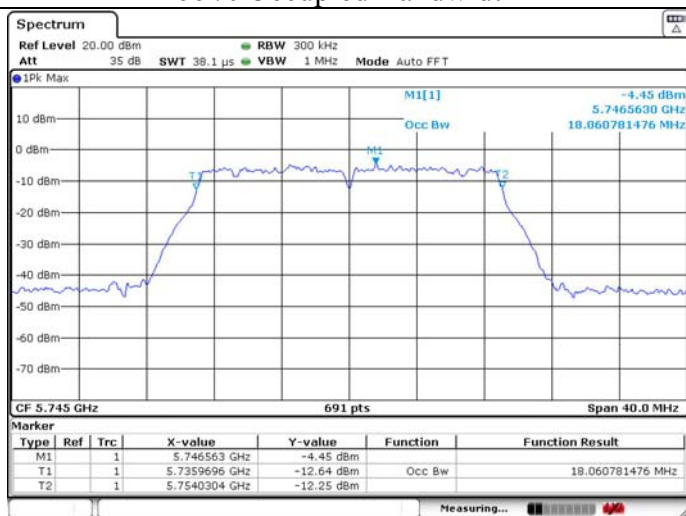


**U-NII-3 IEEE 802.11n HT20 5745MHz\_Ant 1**

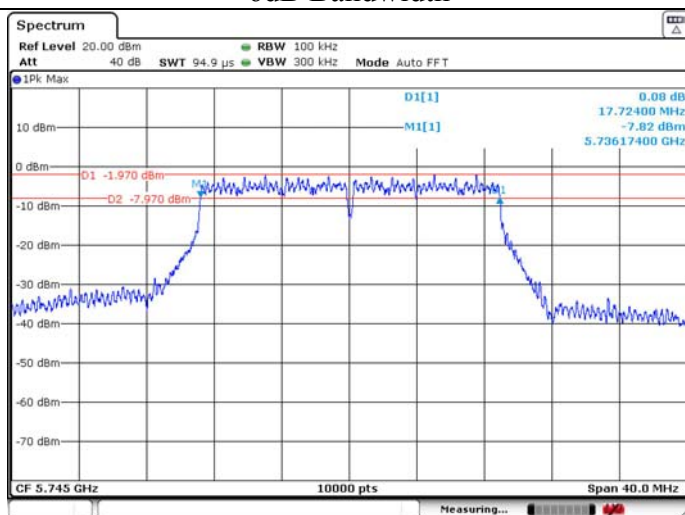
6dB Bandwidth



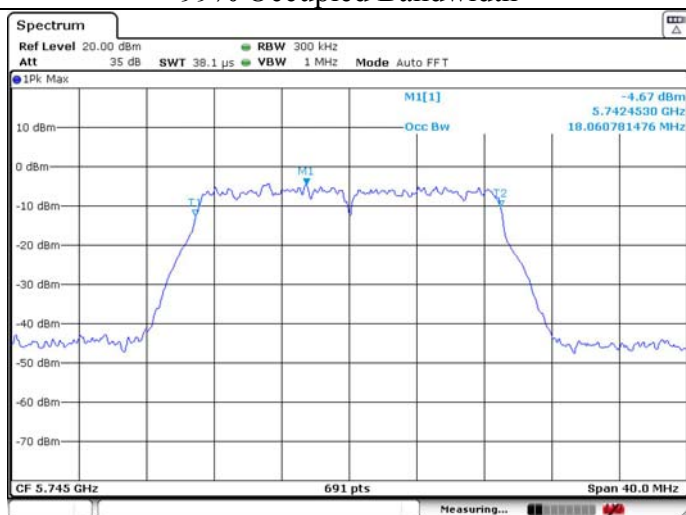
99% Occupied Bandwidth

**U-NII-3 IEEE 802.11n HT20 5745MHz\_Ant 2**

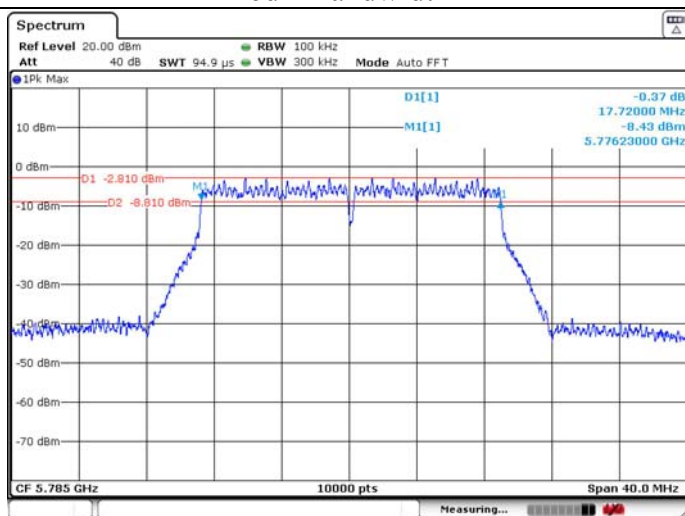
6dB Bandwidth



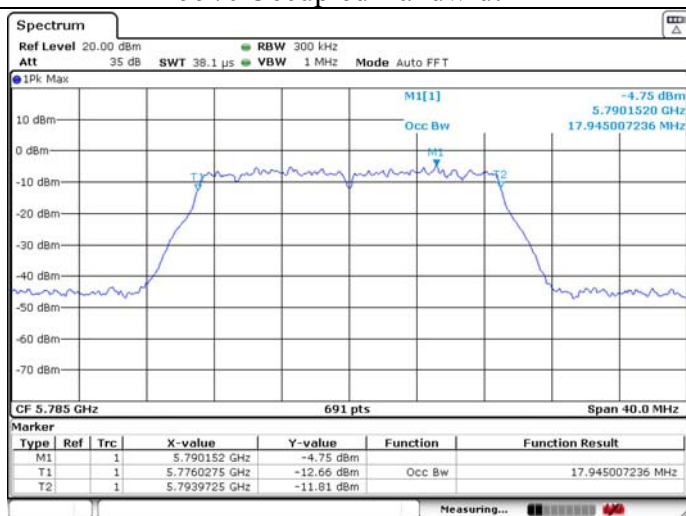
99% Occupied Bandwidth

**U-NII-3 IEEE 802.11n HT20 5785MHz\_Ant 1**

6dB Bandwidth

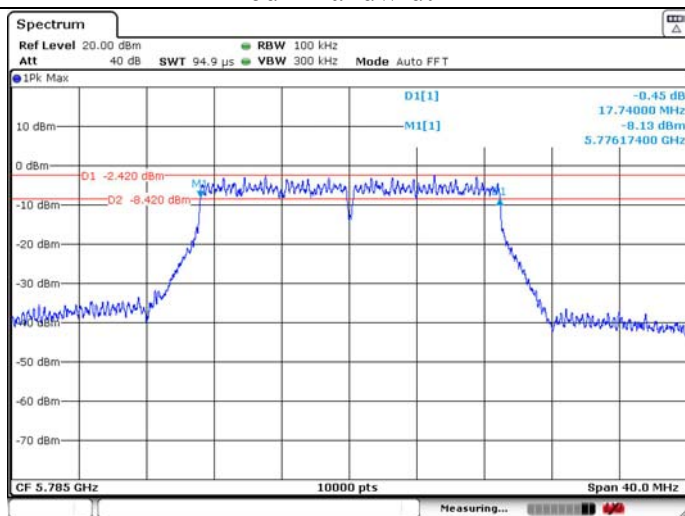


99% Occupied Bandwidth

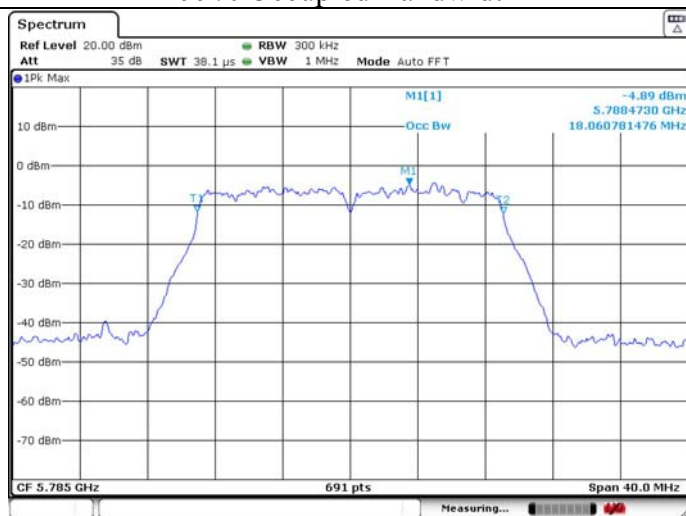


## U-NII-3 IEEE 802.11n HT20 5785MHz\_Ant 2

6dB Bandwidth

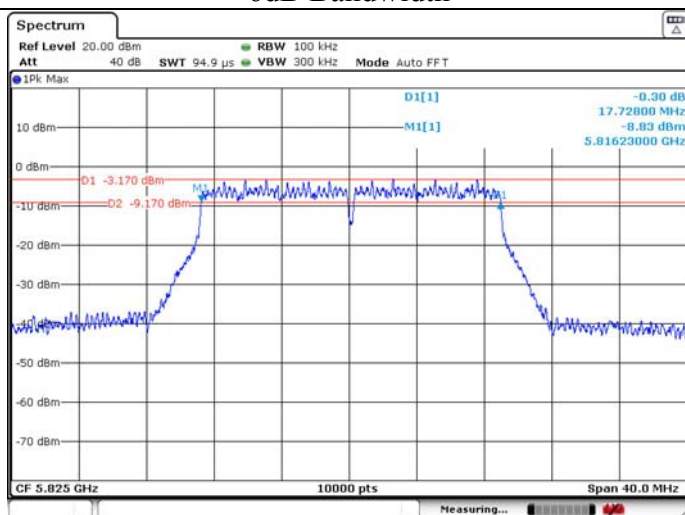


99% Occupied Bandwidth

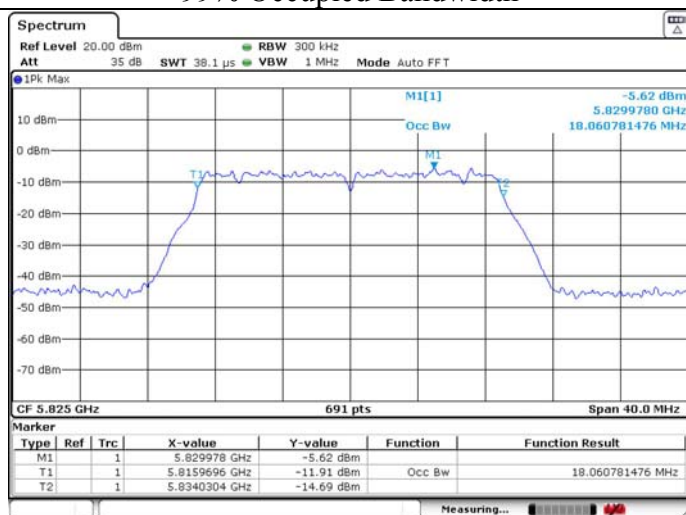


## U-NII-3 IEEE 802.11n HT20 5825MHz\_Ant 1

6dB Bandwidth

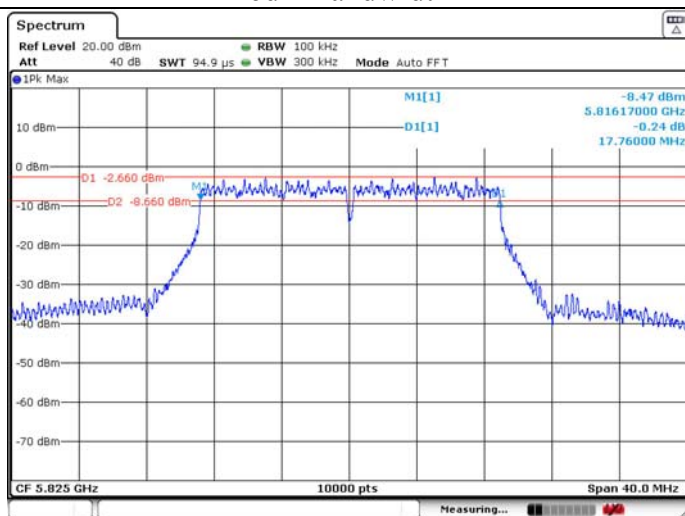


99% Occupied Bandwidth

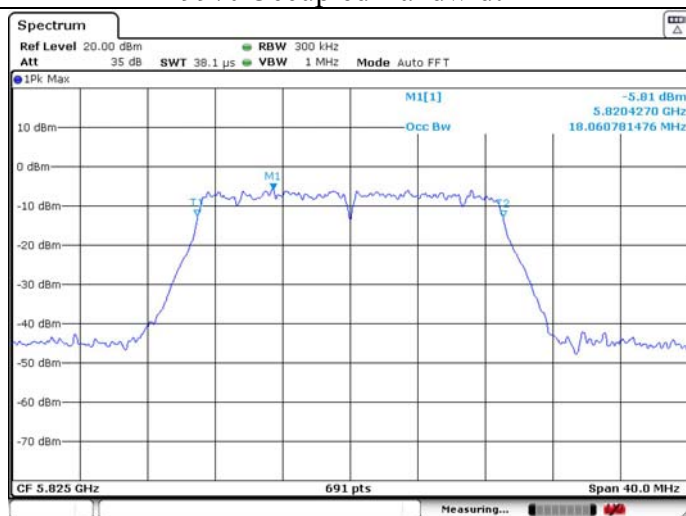


## U-NII-3 IEEE 802.11n HT20 5825MHz\_Ant 2

6dB Bandwidth



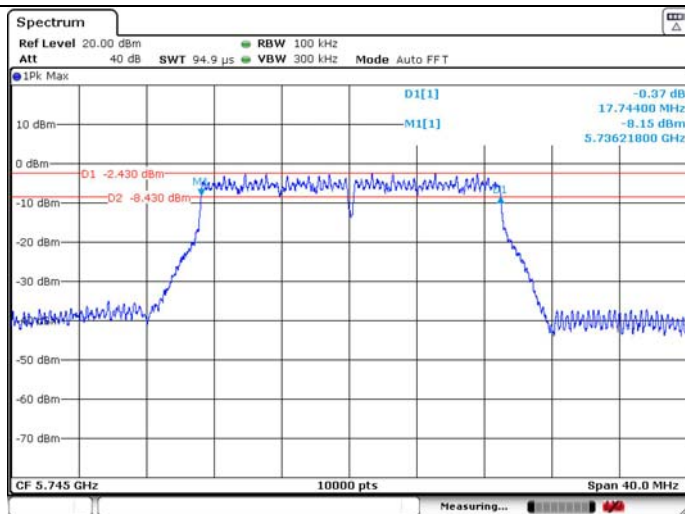
99% Occupied Bandwidth



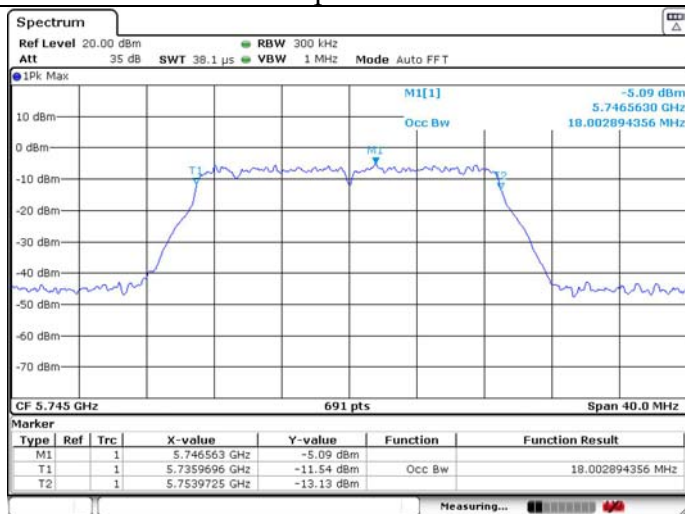


## U-NII-3 IEEE 802.11ac VHT20 5745MHz\_Ant 1

6dB Bandwidth

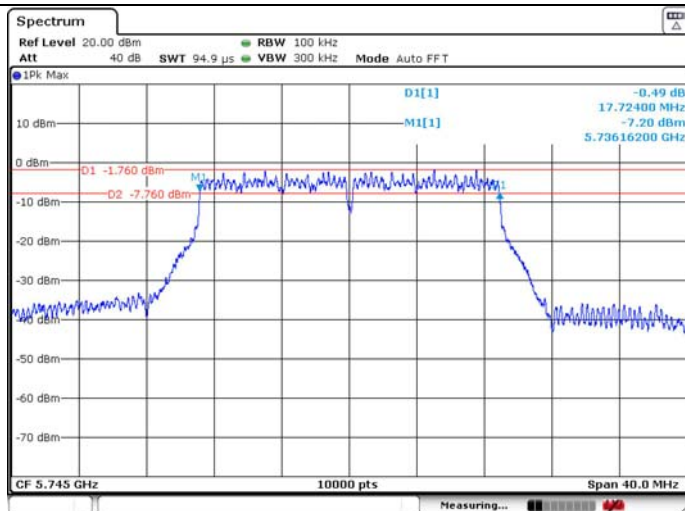


99% Occupied Bandwidth

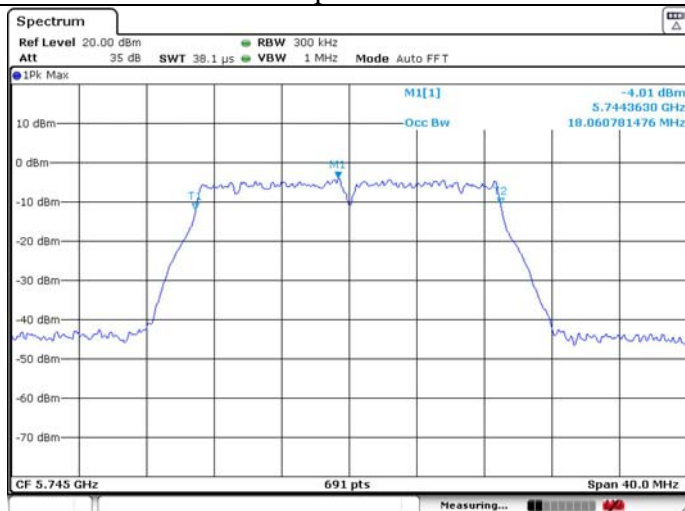


## U-NII-3 IEEE 802.11ac VHT20 5745MHz\_Ant 2

6dB Bandwidth

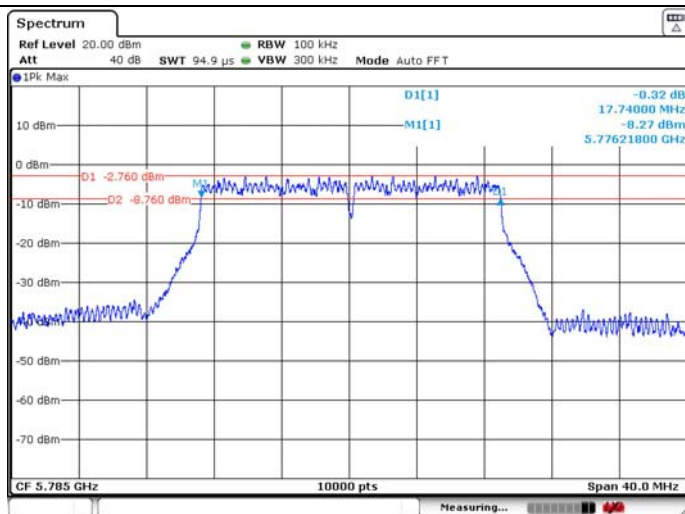


99% Occupied Bandwidth



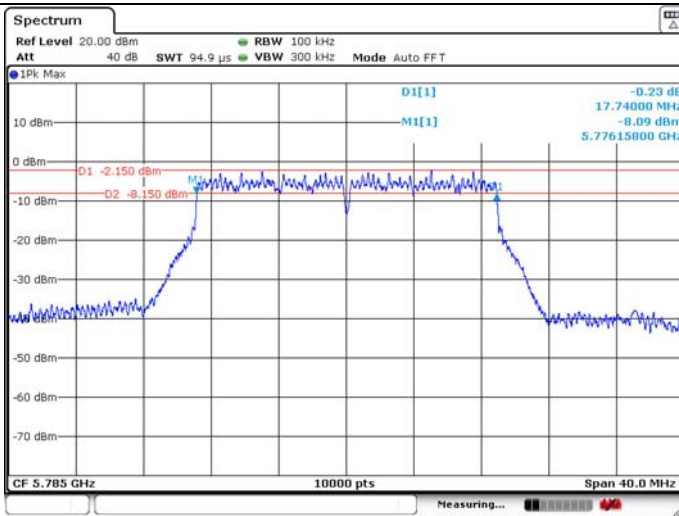
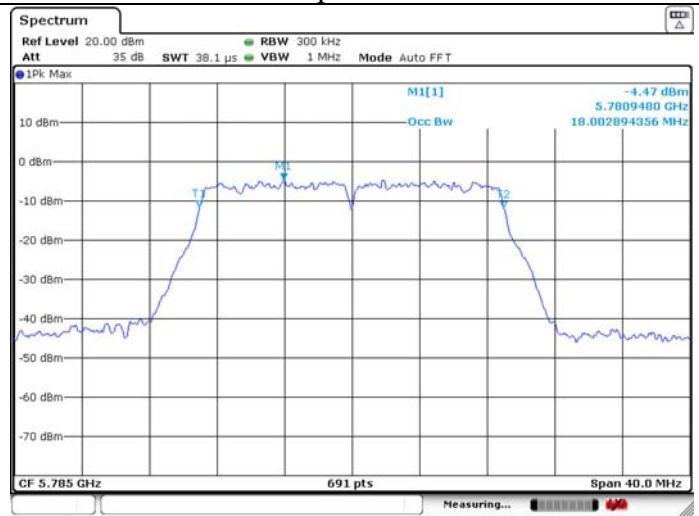
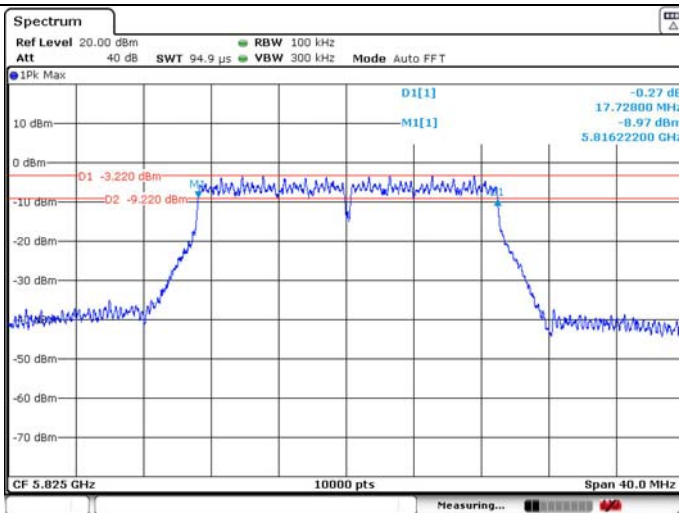
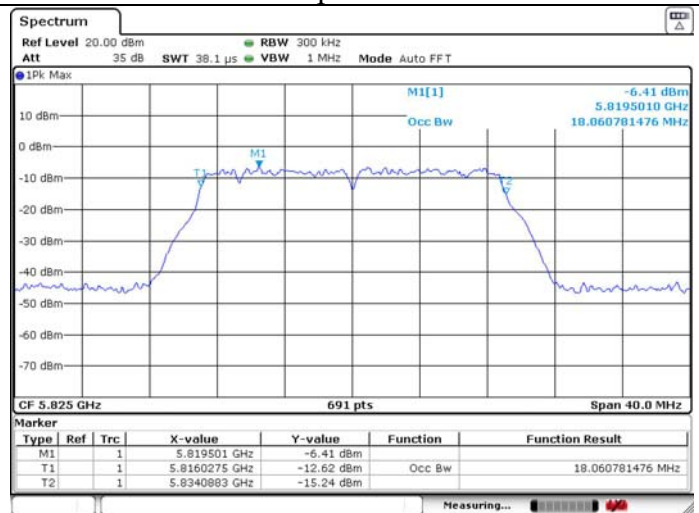
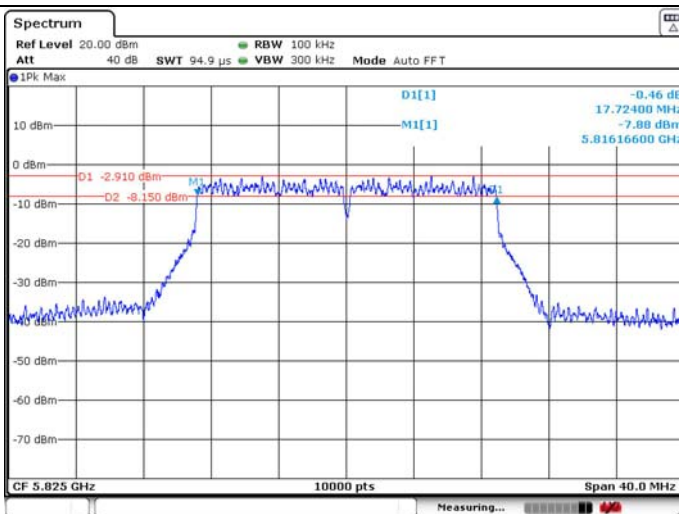
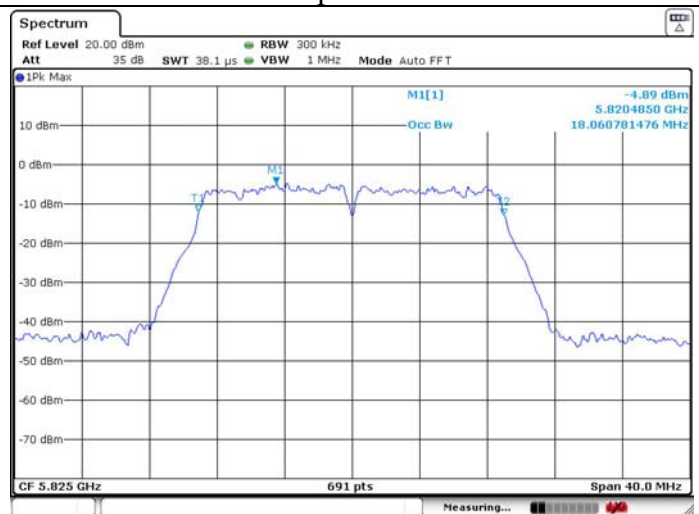
## U-NII-3 IEEE 802.11ac VHT20 5785MHz\_Ant 1

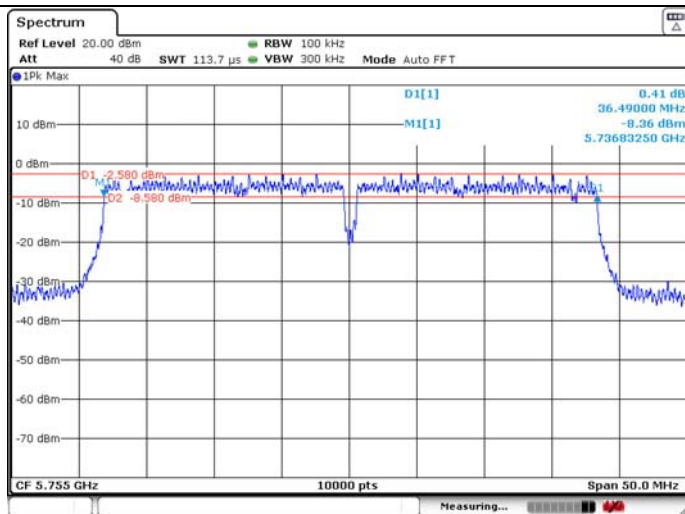
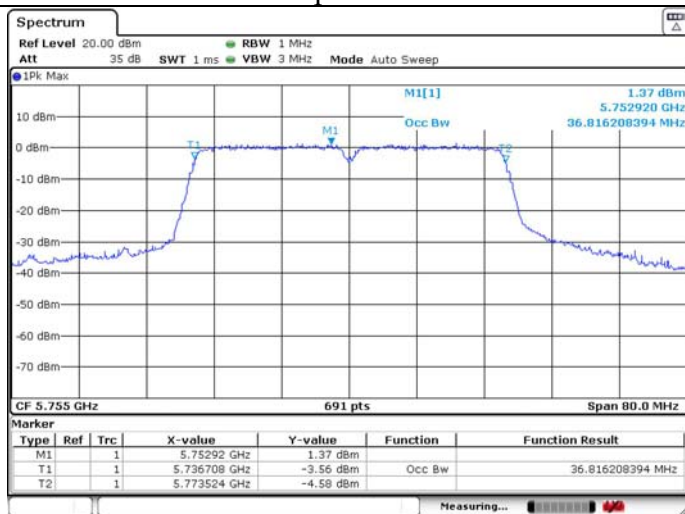
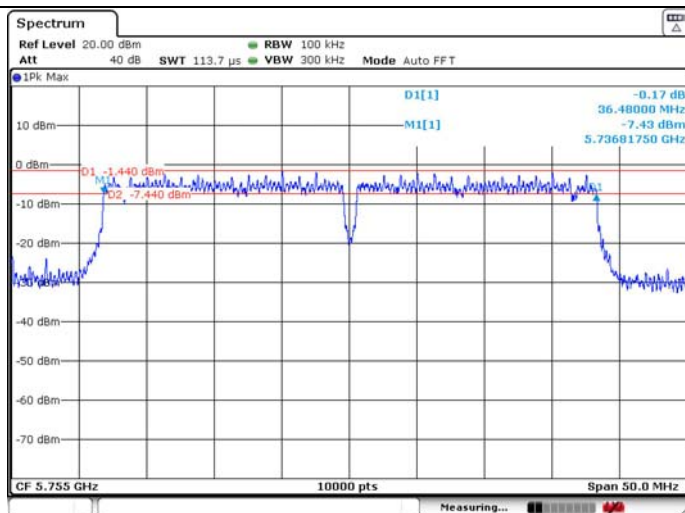
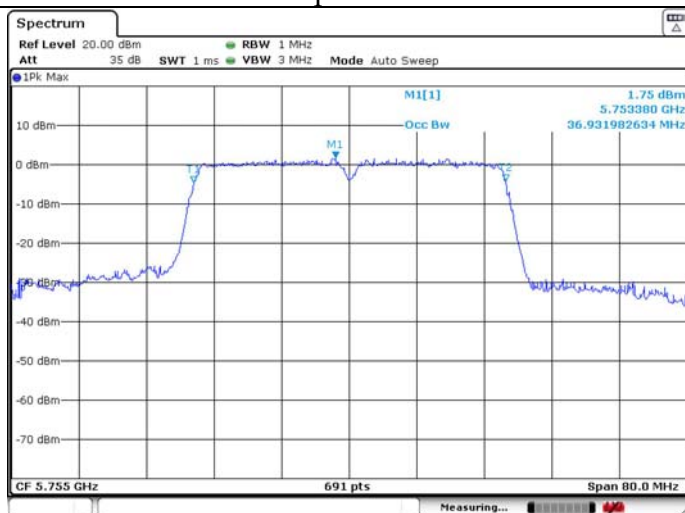
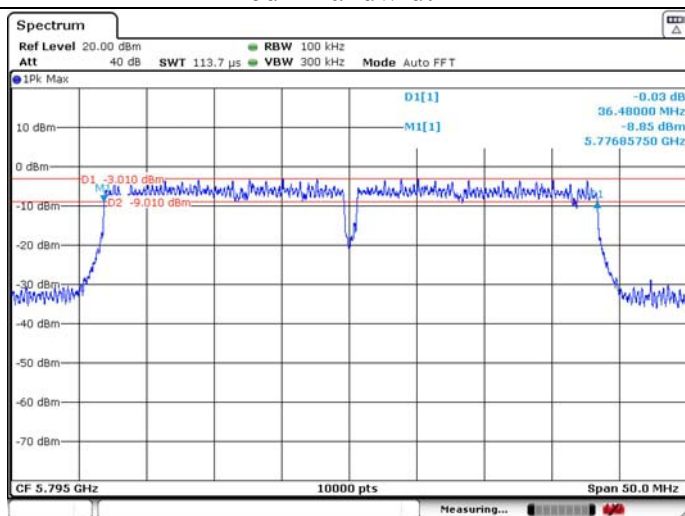
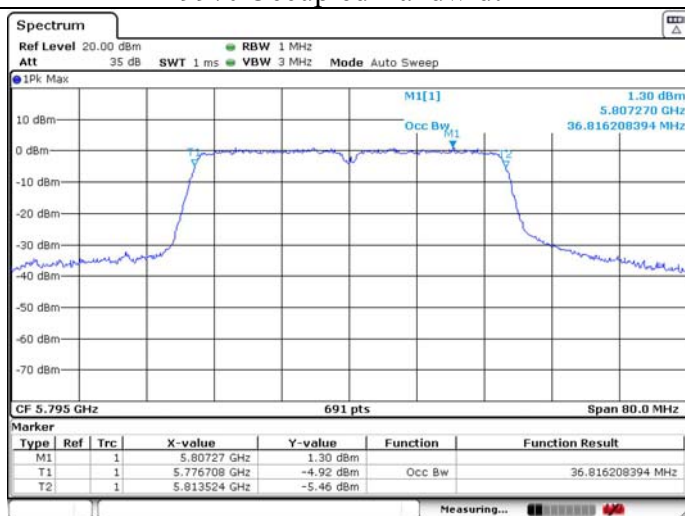
6dB Bandwidth

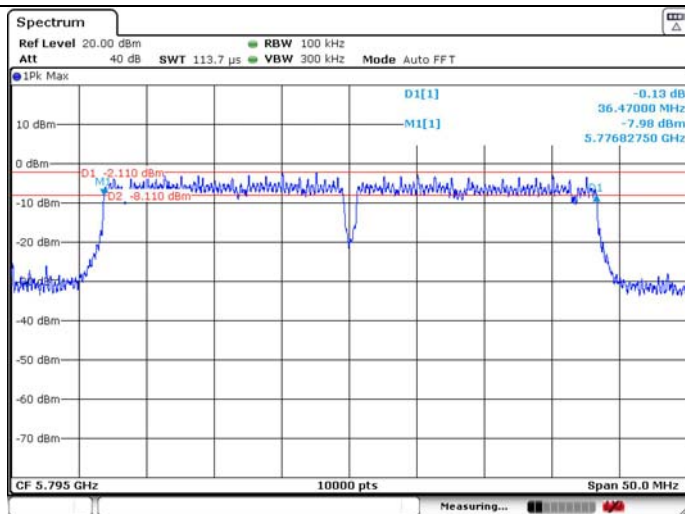
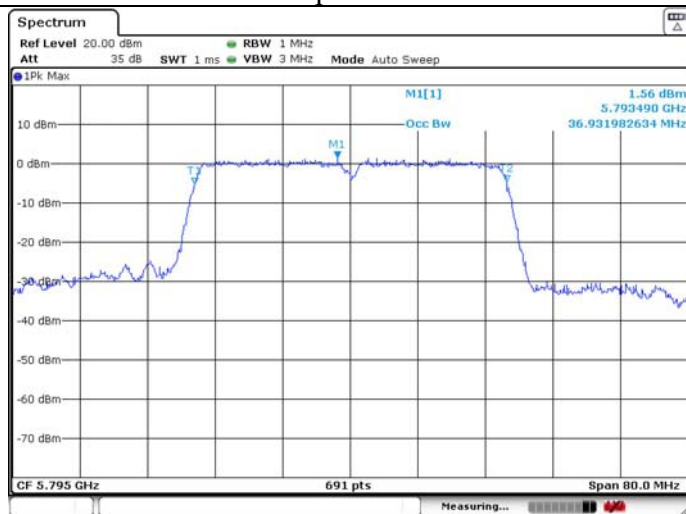
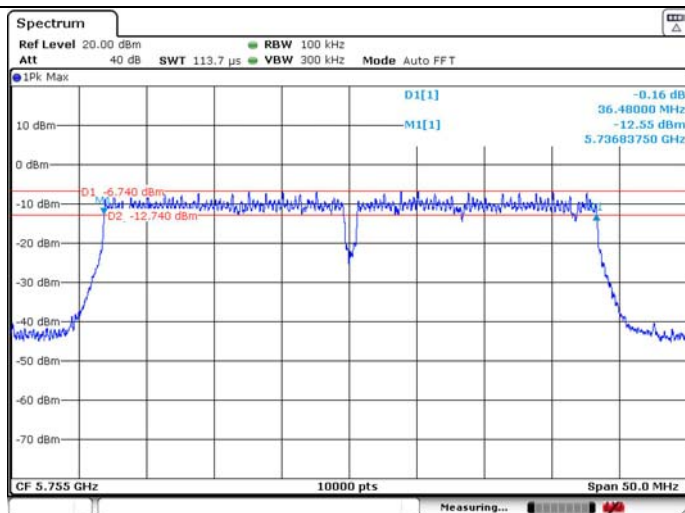
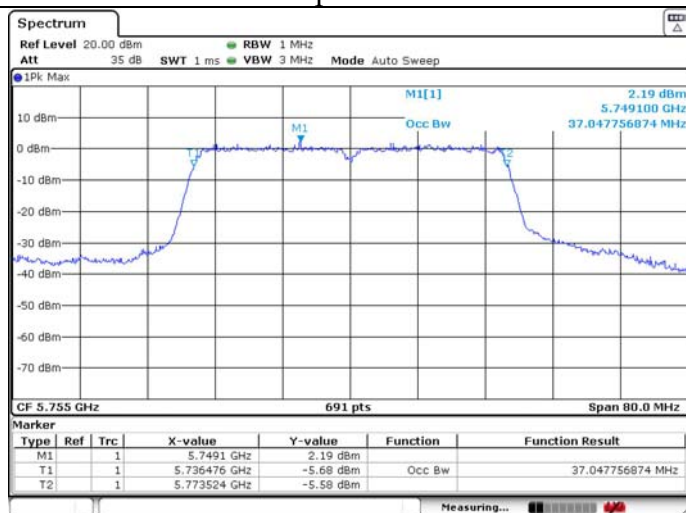
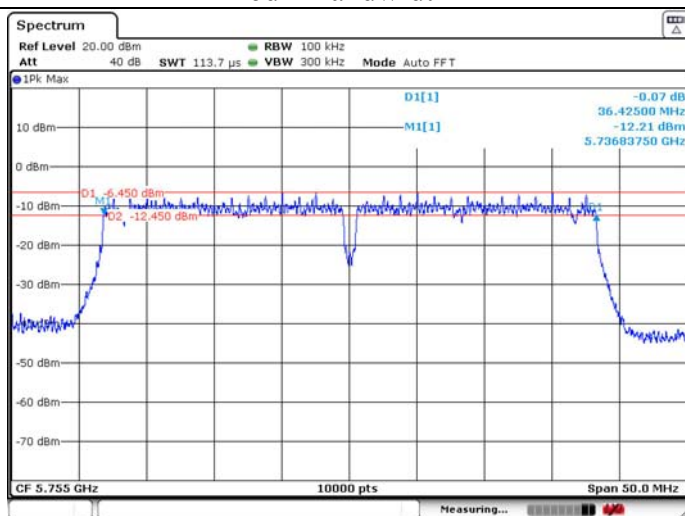
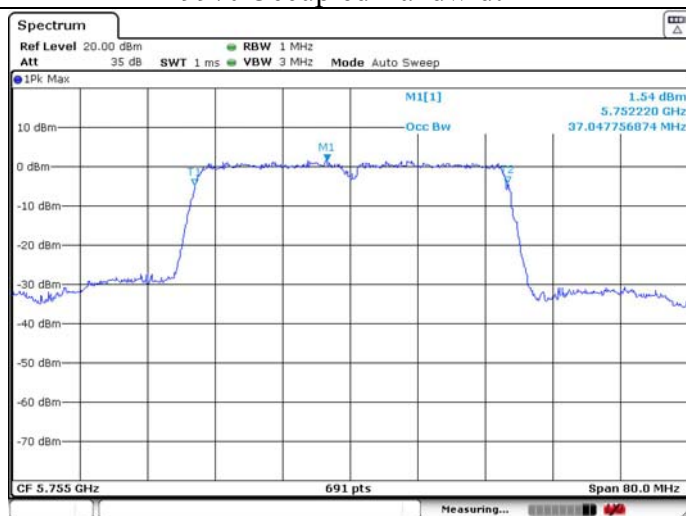


99% Occupied Bandwidth



**U-NII-3 IEEE 802.11ac VHT20 5785MHz\_Ant 2****6dB Bandwidth****99% Occupied Bandwidth****U-NII-3 IEEE 802.11ac VHT20 5825MHz\_Ant 1****6dB Bandwidth****99% Occupied Bandwidth****U-NII-3 IEEE 802.11ac VHT20 5825MHz\_Ant 2****6dB Bandwidth****99% Occupied Bandwidth**

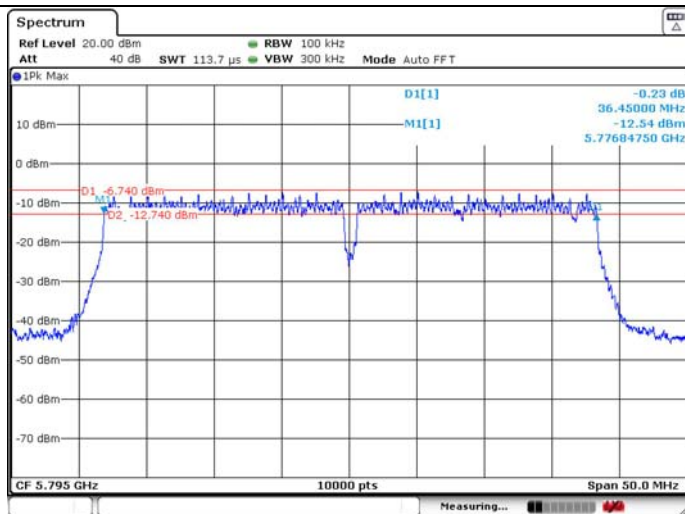
**U-NII-3 IEEE 802.11n HT40 5755MHz\_Ant 1****6dB Bandwidth****99% Occupied Bandwidth****U-NII-3 IEEE 802.11n HT40 5755MHz\_Ant 2****6dB Bandwidth****99% Occupied Bandwidth****U-NII-3 IEEE 802.11n HT40 5795MHz\_Ant 1****6dB Bandwidth****99% Occupied Bandwidth**

**U-NII-3 IEEE 802.11n HT40 5795MHz\_Ant 2****6dB Bandwidth****99% Occupied Bandwidth****U-NII-3 IEEE 802.11ac VHT40 5755MHz\_Ant 1****6dB Bandwidth****99% Occupied Bandwidth****U-NII-3 IEEE 802.11ac VHT40 5755MHz\_Ant 2****6dB Bandwidth****99% Occupied Bandwidth**

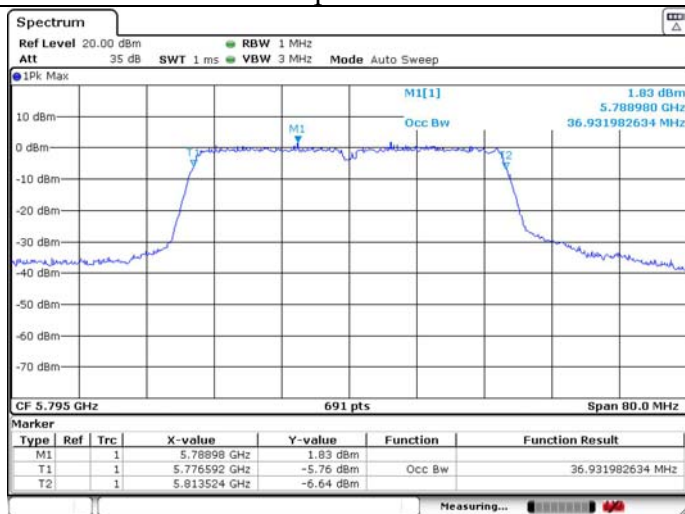


### U-NII-3 IEEE 802.11ac VHT40 5795MHz\_Ant 1

6dB Bandwidth

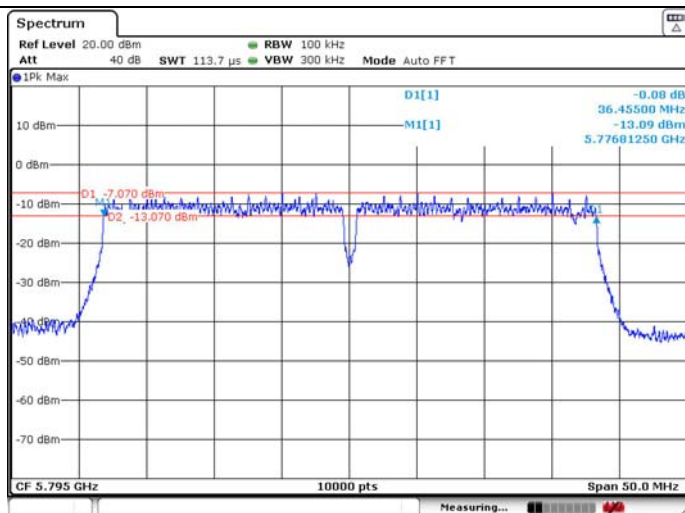


99% Occupied Bandwidth

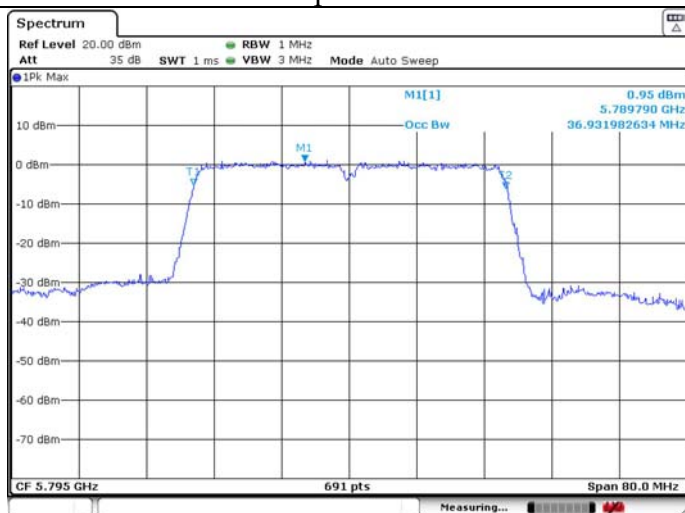


### U-NII-3 IEEE 802.11ac VHT40 5795MHz\_Ant 2

6dB Bandwidth

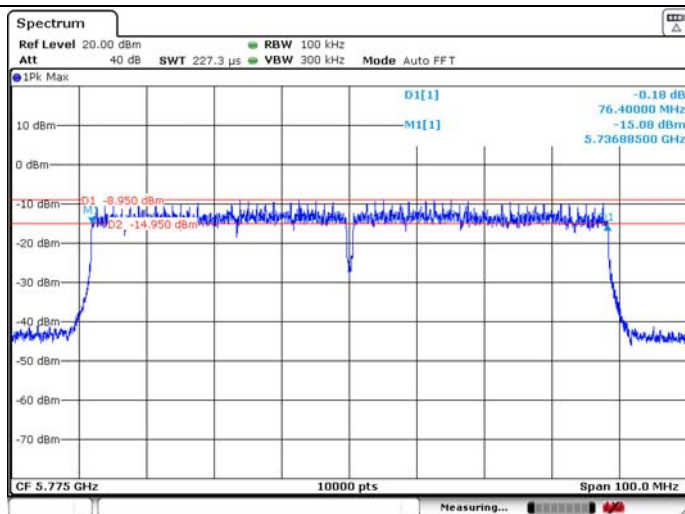


99% Occupied Bandwidth

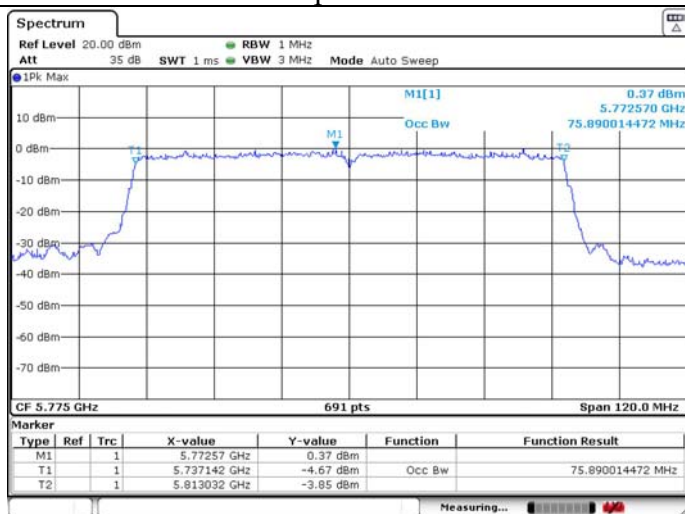


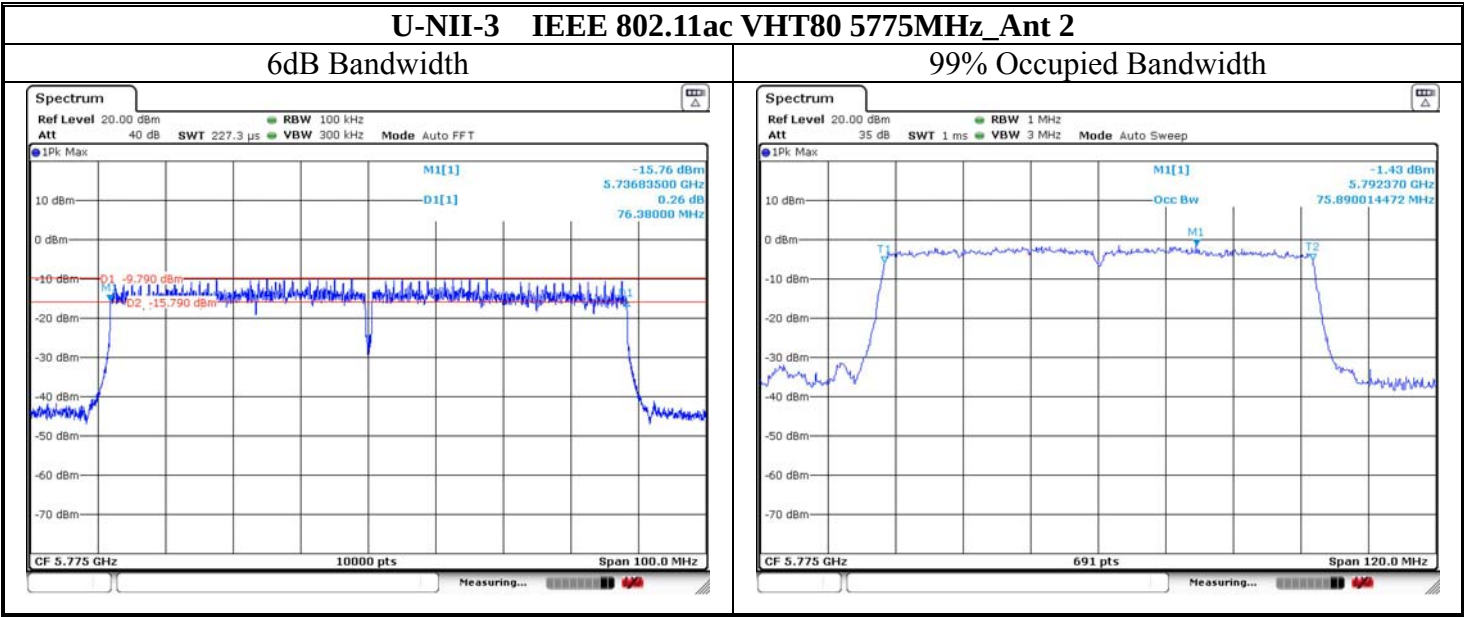
### U-NII-3 IEEE 802.11ac VHT80 5775MHz\_Ant 1

6dB Bandwidth



99% Occupied Bandwidth





## 4. MAXIMUM CONDUCTED OUTPUT POWER

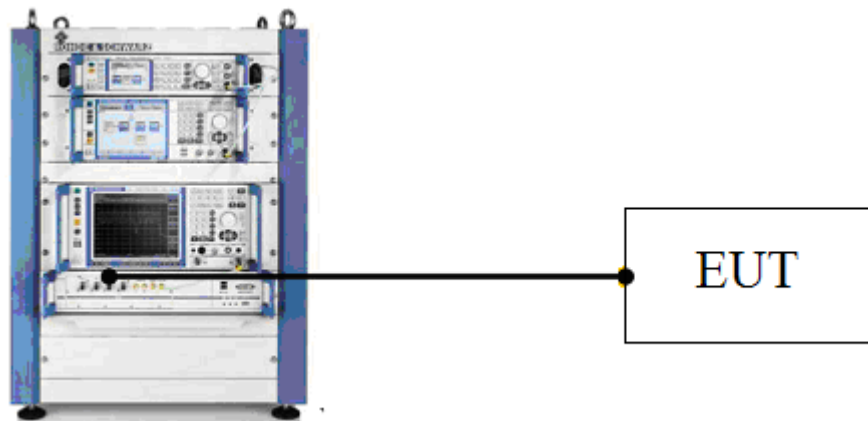
### 4.1. Limit

| Band     | EUT Type                          | Limit                                                                                                                |
|----------|-----------------------------------|----------------------------------------------------------------------------------------------------------------------|
| U-NII-1  | Outdoor Access Point              | 1W(30dBm)<br>(Max. e.i.r.p $\leq 125\text{mW}$ at any elevation angle above 30 degrees as measured from the horizon) |
|          | Indoor Access Point               | 1W(30dBm)                                                                                                            |
|          | Fixed point-to-point Access Point | 1W(30dBm)                                                                                                            |
|          | Mobile and Portable Client Device | 250mW(23.98dBm)                                                                                                      |
| U-NII-2A | All Device                        | 250mW(23.98dBm) or $11\text{dBm} + 10 \log B$ , Which is lesser.<br>(B is 26dB Bandwidth in MHz)                     |
| U-NII-2C | All Device                        | 250mW(23.98dBm) or $11\text{dBm} + 10 \log B$ , Which is lesser.<br>(B is 26dB Bandwidth in MHz)                     |
| U-NII-3  | All Device                        | 1W(30dBm)                                                                                                            |

Note:

For the Band U-NII-2A and U-NII-2C, the maximum conducted output power limit calculate result refer to section 3.5.

### 4.2. Test Setup



### 4.3. Test Procedure

- Connect EUT antenna terminal to the OSP-B157WB with RF cable.
- Set the EUT transmit continuously with maximum output power.
- Through the test software in TS8897 to control a wideband gated RF power meter provided that the gate parameters are adjusted such that the power is measured only when the EUT is transmitting at its maximum power control level. Because the measurement is made only during the ON time of the transmitter, no duty cycle correction factor is required.
- Repeat above procedures until all modes and channels were measured.
- Record the results in the test report.

## 4.4. Test Result

| Temperature         | 27.5℃               | Relative Humidity |                                  |       | 43%                              | Test Voltage                       | 120V/60Hz   |        |      |
|---------------------|---------------------|-------------------|----------------------------------|-------|----------------------------------|------------------------------------|-------------|--------|------|
| BAND                | Test Mode           | Fre (MHz)         | Conducted AVG Output Power (dBm) |       | Total Conducted Output Power (W) | Total Conducted Output Power (dBm) | Limit (dBm) | Result |      |
|                     |                     |                   | Ant 1                            | Ant 2 |                                  |                                    |             |        |      |
| U-NII-1             | IEEE 802.11a        | 5180              | 12.02                            | 11.86 | 0.0159                           | 12.02                              | 23.86       | PASS   |      |
|                     |                     | 5200              | 12.07                            | 12.11 | 0.0161                           | 12.07                              | 23.86       | PASS   |      |
|                     |                     | 5240              | 12.29                            | 12.27 | 0.0169                           | 12.29                              | 23.86       | PASS   |      |
|                     | IEEE 802.11n HT20   | 5180              | 4.16                             | 3.49  | 0.00484                          | 6.85                               | 23.86       | PASS   |      |
|                     |                     | 5200              | 3.48                             | 3.86  | 0.00466                          | 6.68                               | 23.86       | PASS   |      |
|                     |                     | 5240              | 3.69                             | 4.07  | 0.00489                          | 6.90                               | 23.86       | PASS   |      |
|                     | IEEE 802.11ac VHT20 | 5180              | 4.19                             | 4.44  | 0.00540                          | 7.33                               | 23.86       | PASS   |      |
|                     |                     | 5200              | 4.05                             | 4.57  | 0.00541                          | 7.33                               | 23.86       | PASS   |      |
|                     |                     | 5240              | 4.69                             | 5.00  | 0.00610                          | 7.86                               | 23.86       | PASS   |      |
|                     | IEEE 802.11n HT40   | 5190              | 6.13                             | 6.38  | 0.00844                          | 9.26                               | 23.86       | PASS   |      |
|                     |                     | 5230              | 6.25                             | 6.59  | 0.00877                          | 9.43                               | 23.86       | PASS   |      |
|                     | IEEE 802.11ac VHT40 | 5190              | 8.51                             | 8.86  | 0.01478                          | 11.70                              | 23.86       | PASS   |      |
|                     |                     | 5230              | 8.85                             | 9.33  | 0.01625                          | 12.11                              | 23.86       | PASS   |      |
|                     | IEEE 802.11ac VHT80 | 5210              | 9.61                             | 9.61  | 0.01828                          | 12.62                              | 23.86       | PASS   |      |
|                     | U-NII-2A            | IEEE 802.11a      | 5260                             | 12.16 | 12.13                            | 0.01642                            | 12.16       | 23.86  | PASS |
|                     |                     |                   | 5300                             | 12.38 | 12.41                            | 0.01729                            | 12.38       | 23.86  | PASS |
| 5320                |                     |                   | 12.36                            | 12.25 | 0.01721                          | 12.36                              | 23.86       | PASS   |      |
| IEEE 802.11n HT20   |                     | 5260              | 11.31                            | 11.13 | 0.02650                          | 14.23                              | 23.86       | PASS   |      |
|                     |                     | 5300              | 11.46                            | 11.27 | 0.02740                          | 14.38                              | 23.86       | PASS   |      |
|                     |                     | 5320              | 11.38                            | 11.05 | 0.02646                          | 14.23                              | 23.86       | PASS   |      |
| IEEE 802.11ac VHT20 |                     | 5260              | 11.99                            | 12.16 | 0.03226                          | 15.09                              | 23.86       | PASS   |      |
|                     |                     | 5300              | 12.03                            | 12.33 | 0.03308                          | 15.20                              | 23.86       | PASS   |      |
|                     |                     | 5320              | 12.06                            | 12.10 | 0.03231                          | 15.09                              | 23.86       | PASS   |      |
| IEEE 802.11n HT40   |                     | 5270              | 10.41                            | 10.34 | 0.02179                          | 13.38                              | 23.86       | PASS   |      |
|                     |                     | 5310              | 10.50                            | 10.41 | 0.02220                          | 13.46                              | 23.86       | PASS   |      |
| IEEE 802.11ac VHT40 |                     | 5270              | 12.87                            | 13.20 | 0.04027                          | 16.05                              | 23.86       | PASS   |      |
|                     |                     | 5310              | 13.00                            | 13.11 | 0.04043                          | 16.07                              | 23.86       | PASS   |      |
| IEEE 802.11ac VHT80 |                     | 5290              | 14.62                            | 14.60 | 0.05782                          | 17.62                              | 23.86       | PASS   |      |



| BAND     | Test Mode                 | Fre<br>(MHz) | Conducted AVG<br>Output Power<br>(dBm) |       | Total<br>Conducted<br>Output<br>Power<br>(W) | Total<br>Conducted<br>Output<br>Power<br>(dBm) | Limit<br>(dBm) | Result |
|----------|---------------------------|--------------|----------------------------------------|-------|----------------------------------------------|------------------------------------------------|----------------|--------|
|          |                           |              | Ant 1                                  | Ant 2 |                                              |                                                |                |        |
| U-NII-2C | IEEE<br>802.11a           | 5500         | 11.87                                  | 11.69 | 0.01536                                      | 11.87                                          | 23.86          | PASS   |
|          |                           | 5580         | 11.89                                  | 11.94 | 0.01546                                      | 11.89                                          | 23.86          | PASS   |
|          |                           | 5700         | 11.72                                  | 11.66 | 0.01486                                      | 11.72                                          | 23.86          | PASS   |
|          | IEEE<br>802.11n<br>HT20   | 5500         | 10.84                                  | 10.46 | 0.02325                                      | 13.66                                          | 23.86          | PASS   |
|          |                           | 5580         | 10.93                                  | 10.79 | 0.02440                                      | 13.87                                          | 23.86          | PASS   |
|          |                           | 5700         | 10.73                                  | 10.56 | 0.02319                                      | 13.65                                          | 23.86          | PASS   |
|          | IEEE<br>802.11ac<br>VHT20 | 5500         | 11.93                                  | 11.61 | 0.03005                                      | 14.78                                          | 23.86          | PASS   |
|          |                           | 5580         | 11.40                                  | 11.09 | 0.02665                                      | 14.26                                          | 23.86          | PASS   |
|          |                           | 5700         | 11.01                                  | 10.66 | 0.02425                                      | 13.85                                          | 23.86          | PASS   |
|          | IEEE<br>802.11n<br>HT40   | 5510         | 11.62                                  | 11.71 | 0.02935                                      | 14.68                                          | 23.86          | PASS   |
|          |                           | 5670         | 12.19                                  | 12.33 | 0.03364                                      | 15.27                                          | 23.86          | PASS   |
|          | IEEE<br>802.11ac<br>VHT40 | 5510         | 12.90                                  | 12.47 | 0.03717                                      | 15.70                                          | 23.86          | PASS   |
|          |                           | 5670         | 11.94                                  | 11.65 | 0.03025                                      | 14.81                                          | 23.86          | PASS   |
|          | IEEE<br>802.11ac<br>VHT80 | 5530         | 12.89                                  | 12.96 | 0.03922                                      | 15.93                                          | 23.86          | PASS   |
| U-NII-3  | IEEE<br>802.11a           | 5745         | 12.19                                  | 12.53 | 0.01656                                      | 12.19                                          | 29.88          | PASS   |
|          |                           | 5785         | 12.05                                  | 11.84 | 0.01604                                      | 12.05                                          | 29.88          | PASS   |
|          |                           | 5825         | 12.07                                  | 12.24 | 0.01610                                      | 12.07                                          | 29.88          | PASS   |
|          | IEEE<br>802.11n<br>HT20   | 5745         | 11.17                                  | 11.43 | 0.02701                                      | 14.32                                          | 29.88          | PASS   |
|          |                           | 5785         | 11.12                                  | 10.85 | 0.02510                                      | 14.00                                          | 29.88          | PASS   |
|          |                           | 5825         | 11.09                                  | 11.19 | 0.02599                                      | 14.15                                          | 29.88          | PASS   |
|          | IEEE<br>802.11ac<br>VHT20 | 5745         | 10.01                                  | 9.76  | 0.01949                                      | 12.90                                          | 29.88          | PASS   |
|          |                           | 5785         | 11.05                                  | 11.07 | 0.02553                                      | 14.07                                          | 29.88          | PASS   |
|          |                           | 5825         | 10.25                                  | 10.07 | 0.02074                                      | 13.17                                          | 29.88          | PASS   |
|          | IEEE<br>802.11n<br>HT40   | 5755         | 12.25                                  | 12.41 | 0.03421                                      | 15.34                                          | 29.88          | PASS   |
|          |                           | 5795         | 12.18                                  | 12.39 | 0.03384                                      | 15.29                                          | 29.88          | PASS   |
|          | IEEE<br>802.11ac<br>VHT40 | 5755         | 11.44                                  | 11.43 | 0.02782                                      | 14.44                                          | 29.88          | PASS   |
|          |                           | 5795         | 12.18                                  | 12.33 | 0.03362                                      | 15.27                                          | 29.88          | PASS   |
|          | IEEE<br>802.11ac<br>VHT80 | 5775         | 13.16                                  | 13.15 | 0.04134                                      | 16.16                                          | 29.88          | PASS   |

## 5. PEAK POWER SPECTRAL DENSITY

### 5.1. Limit

| Band     | EUT Type                          | Limit        |
|----------|-----------------------------------|--------------|
| U-NII-1  | Outdoor Access Point              | 17dBm/MHz    |
|          | Indoor Access Point               | 17dBm/MHz    |
|          | Fixed point-to-point Access Point | 17dBm/MHz    |
|          | Mobile and Portable Client Device | 11dBm/MHz    |
| U-NII-2A | All Device                        | 11dBm/MHz    |
| U-NII-2C | All Device                        | 11dBm/MHz    |
| U-NII-3  | All Device                        | 30dBm/500KHz |

### 5.2. Test Setup



### 5.3. Spectrum Analyzer Setting

| Spectrum Parameters   | Setting                                                    |
|-----------------------|------------------------------------------------------------|
| RBW                   | 1MHz(For U-NII-1&U-NII-2A&U-NII-2C)<br>500KHz(For U-NII-3) |
| VBW                   | 3MHz(For U-NII-1&U-NII-2A&U-NII-2C)<br>2MHz(For U-NII-3)   |
| Span                  | encompass the entire 26 dB EBW or 99% OBW of the signal    |
| Sweep Time            | Auto                                                       |
| Number of Sweep Point | $\geq 2 \times \text{SPAN}/\text{RBW}$                     |
| Detector              | RMS(power averaging)                                       |
| Trace Average         | $\geq 100$ traces                                          |

### 5.4. Test Procedure

- Connect EUT antenna terminal to the spectrum analyzer with RF cable.
- Spectrum analyzer setting parameters in accordance with section 5.3.
- Set the EUT transmit continuously with maximum output power.
- Allow trace to stabilize, use the marker-to-peak function to set the marker to the average of the emission.
- If the duty cycle of test signal  $< 98\%$ , the result = max measured value +  $10 \times \log(1/\text{duty cycle})$ ;  
If the duty cycle of test signal  $\geq 98\%$ , the result = max measured value.
- Repeat above procedures until all modes and channels were measured.
- Record the results in the test report.

## 5.5. Test Result

| Temperature |                           | 27.5℃        | Relative Humidity          |       | 43%                    | Test Voltage                        | 120V/60Hz          |        |
|-------------|---------------------------|--------------|----------------------------|-------|------------------------|-------------------------------------|--------------------|--------|
| BAND        | Test Mode                 | Fre<br>(MHz) | Power Density<br>(dBm/MHz) |       | Duty<br>Factor<br>(dB) | Total Power<br>Density<br>(dBm/MHz) | Limit<br>(dBm/MHz) | Result |
|             |                           |              | Ant 1                      | Ant 2 |                        |                                     |                    |        |
| U-NII-1     | IEEE<br>802.11a           | 5180         | 3.95                       | 4.84  | 0.42                   | 5.26                                | 10.88              | PASS   |
|             |                           | 5200         | 3.71                       | 4.93  | 0.42                   | 5.35                                | 10.88              | PASS   |
|             |                           | 5240         | 3.45                       | 5.05  | 0.42                   | 5.47                                | 10.88              | PASS   |
|             | IEEE<br>802.11n<br>HT20   | 5180         | -1.74                      | -1.27 | 0.49                   | 2.00                                | 10.88              | PASS   |
|             |                           | 5200         | -1.75                      | -0.66 | 0.49                   | 2.33                                | 10.88              | PASS   |
|             |                           | 5240         | -1.98                      | -0.96 | 0.49                   | 2.06                                | 10.88              | PASS   |
|             | IEEE<br>802.11ac<br>VHT20 | 5180         | -1.32                      | -0.87 | 0.55                   | 2.47                                | 10.88              | PASS   |
|             |                           | 5200         | -1.73                      | -0.82 | 0.55                   | 2.30                                | 10.88              | PASS   |
|             |                           | 5240         | -2.45                      | -1.09 | 0.55                   | 1.84                                | 10.88              | PASS   |
|             | IEEE<br>802.11n<br>HT40   | 5190         | -2.20                      | -1.81 | 0.82                   | 1.83                                | 10.88              | PASS   |
|             |                           | 5230         | -3.01                      | -1.55 | 0.82                   | 1.61                                | 10.88              | PASS   |
|             | IEEE<br>802.11ac<br>VHT40 | 5190         | -2.52                      | -1.42 | 1.44                   | 2.52                                | 10.88              | PASS   |
|             |                           | 5230         | -2.76                      | -1.38 | 1.44                   | 2.44                                | 10.88              | PASS   |
|             | IEEE<br>802.11ac<br>VHT80 | 5210         | -2.48                      | -2.30 | 1.85                   | 2.47                                | 10.88              | PASS   |
| U-NII-2A    | IEEE<br>802.11a           | 5260         | 3.42                       | 5.31  | 0.42                   | 5.73                                | 10.88              | PASS   |
|             |                           | 5300         | 3.00                       | 5.22  | 0.42                   | 5.64                                | 10.88              | PASS   |
|             |                           | 5320         | 2.94                       | 5.65  | 0.42                   | 6.07                                | 10.88              | PASS   |
|             | IEEE<br>802.11n<br>HT20   | 5260         | 6.24                       | 6.28  | 0.49                   | 9.76                                | 10.88              | PASS   |
|             |                           | 5300         | 5.75                       | 5.55  | 0.49                   | 9.15                                | 10.88              | PASS   |
|             |                           | 5320         | 6.11                       | 5.98  | 0.49                   | 9.54                                | 10.88              | PASS   |
|             | IEEE<br>802.11ac<br>VHT20 | 5260         | 6.06                       | 5.58  | 0.55                   | 9.38                                | 10.88              | PASS   |
|             |                           | 5300         | 6.31                       | 5.69  | 0.55                   | 9.57                                | 10.88              | PASS   |
|             |                           | 5320         | 6.85                       | 5.02  | 0.55                   | 9.59                                | 10.88              | PASS   |
|             | IEEE<br>802.11n<br>HT40   | 5270         | 4.76                       | 4.37  | 0.82                   | 8.40                                | 10.88              | PASS   |
|             |                           | 5310         | 3.99                       | 3.59  | 0.82                   | 7.62                                | 10.88              | PASS   |
|             | IEEE<br>802.11ac<br>VHT40 | 5270         | 4.55                       | 3.81  | 1.44                   | 8.65                                | 10.88              | PASS   |
|             |                           | 5310         | 4.80                       | 4.24  | 1.44                   | 8.98                                | 10.88              | PASS   |
|             | IEEE<br>802.11ac<br>VHT80 | 5290         | 3.18                       | 1.90  | 1.85                   | 7.45                                | 10.88              | PASS   |

| BAND     | Test Mode           | Fre (MHz) | Power Density (dBm/MHz) |       | Duty Factor (dB) | Total Power Density (dBm/MHz) | Limit (dBm/MHz) | Result |
|----------|---------------------|-----------|-------------------------|-------|------------------|-------------------------------|-----------------|--------|
|          |                     |           | Ant 1                   | Ant 2 |                  |                               |                 |        |
| U-NII-2C | IEEE 802.11a        | 5500      | 4.21                    | 4.16  | 0.42             | 4.63                          | 10.88           | PASS   |
|          |                     | 5580      | 4.94                    | 4.51  | 0.42             | 5.36                          | 10.88           | PASS   |
|          |                     | 5700      | 5.11                    | 5.43  | 0.42             | 5.85                          | 10.88           | PASS   |
|          | IEEE 802.11n HT20   | 5500      | 5.55                    | 4.47  | 0.49             | 8.54                          | 10.88           | PASS   |
|          |                     | 5580      | 5.38                    | 4.69  | 0.49             | 8.55                          | 10.88           | PASS   |
|          |                     | 5700      | 5.87                    | 5.52  | 0.49             | 9.20                          | 10.88           | PASS   |
|          | IEEE 802.11ac VHT20 | 5500      | 5.18                    | 3.97  | 0.55             | 8.17                          | 10.88           | PASS   |
|          |                     | 5580      | 5.25                    | 3.71  | 0.55             | 8.10                          | 10.88           | PASS   |
|          |                     | 5700      | 5.06                    | 5.22  | 0.55             | 8.70                          | 10.88           | PASS   |
|          | IEEE 802.11n HT40   | 5510      | 4.31                    | 2.53  | 0.82             | 7.34                          | 10.88           | PASS   |
|          |                     | 5670      | 3.85                    | 3.65  | 0.82             | 7.58                          | 10.88           | PASS   |
|          | IEEE 802.11ac VHT40 | 5510      | 4.14                    | 2.38  | 1.44             | 7.80                          | 10.88           | PASS   |
|          |                     | 5670      | 4.09                    | 3.60  | 1.44             | 8.30                          | 10.88           | PASS   |
|          | IEEE 802.11ac VHT80 | 5530      | 1.27                    | 1.01  | 1.85             | 6.00                          | 10.88           | PASS   |

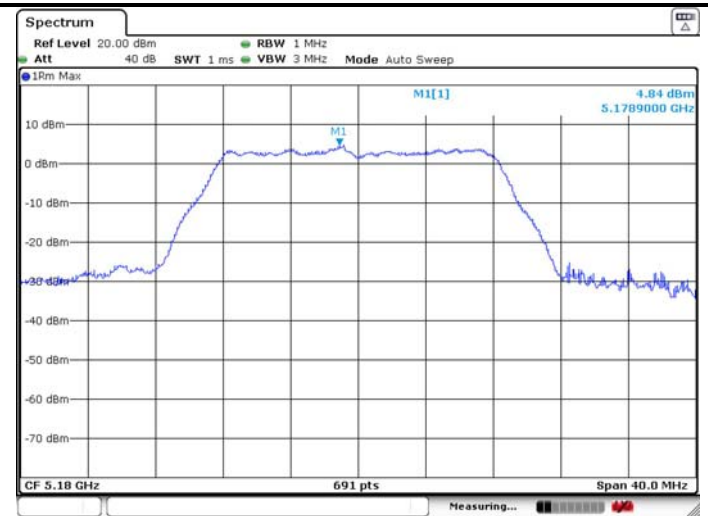
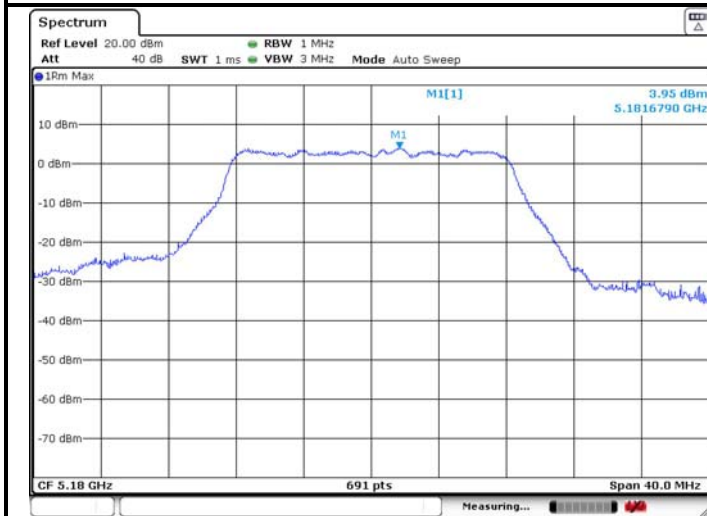
| BAND    | Test Mode           | Fre (MHz) | Power Density (dBm/500KHz) |       | Duty Factor (dB) | Total Power Density (dBm/500KHz) | Limit (dBm/500KHz) | Result |
|---------|---------------------|-----------|----------------------------|-------|------------------|----------------------------------|--------------------|--------|
|         |                     |           | Ant 1                      | Ant 2 |                  |                                  |                    |        |
| U-NII-3 | IEEE 802.11a        | 5745      | 2.90                       | 3.34  | 0.42             | 3.76                             | 29.88              | PASS   |
|         |                     | 5785      | 2.80                       | 2.52  | 0.42             | 3.22                             | 29.88              | PASS   |
|         |                     | 5825      | 1.93                       | 2.63  | 0.42             | 3.05                             | 29.88              | PASS   |
|         | IEEE 802.11n HT20   | 5745      | 4.16                       | 4.75  | 0.49             | 7.96                             | 29.88              | PASS   |
|         |                     | 5785      | 4.14                       | 3.89  | 0.49             | 7.51                             | 29.88              | PASS   |
|         |                     | 5825      | 3.96                       | 3.52  | 0.49             | 7.24                             | 29.88              | PASS   |
|         | IEEE 802.11ac VHT20 | 5745      | 4.70                       | 3.45  | 0.55             | 7.68                             | 29.88              | PASS   |
|         |                     | 5785      | 4.68                       | 3.89  | 0.55             | 7.86                             | 29.88              | PASS   |
|         |                     | 5825      | 4.83                       | 3.32  | 0.55             | 7.70                             | 29.88              | PASS   |
|         | IEEE 802.11n HT40   | 5755      | 2.72                       | 2.40  | 0.82             | 6.39                             | 29.88              | PASS   |
|         |                     | 5795      | 2.64                       | 2.27  | 0.82             | 6.28                             | 29.88              | PASS   |
|         | IEEE 802.11ac VHT40 | 5755      | 2.47                       | 2.40  | 1.44             | 6.89                             | 29.88              | PASS   |
|         |                     | 5795      | 2.97                       | 2.62  | 1.44             | 7.25                             | 29.88              | PASS   |
|         | IEEE 802.11ac VHT80 | 5775      | 0.65                       | 0.51  | 1.85             | 5.44                             | 29.88              | PASS   |



## U-NII-1 IEEE 802.11a 5180MHz

ANT 1

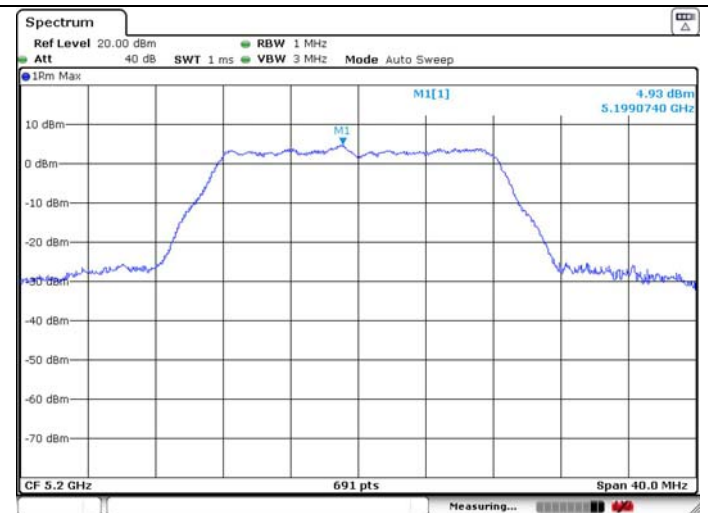
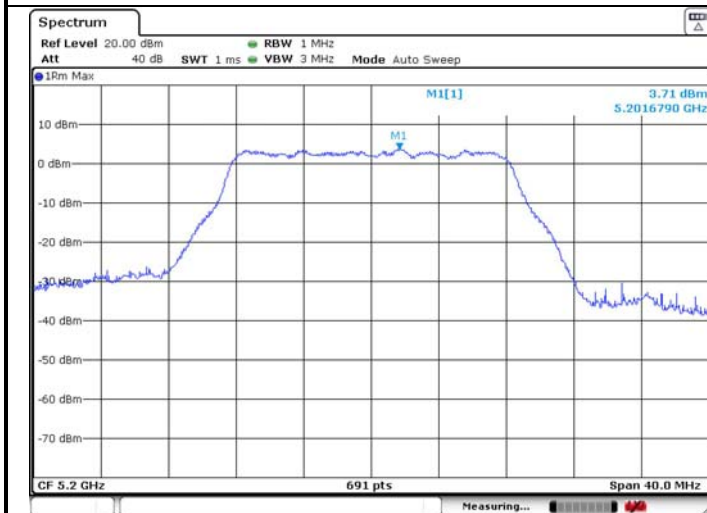
ANT 2



## U-NII-1 IEEE 802.11a 5200MHz

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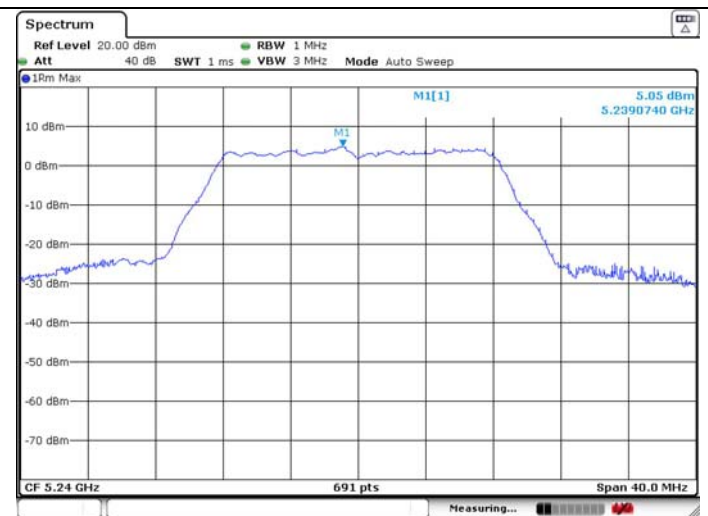
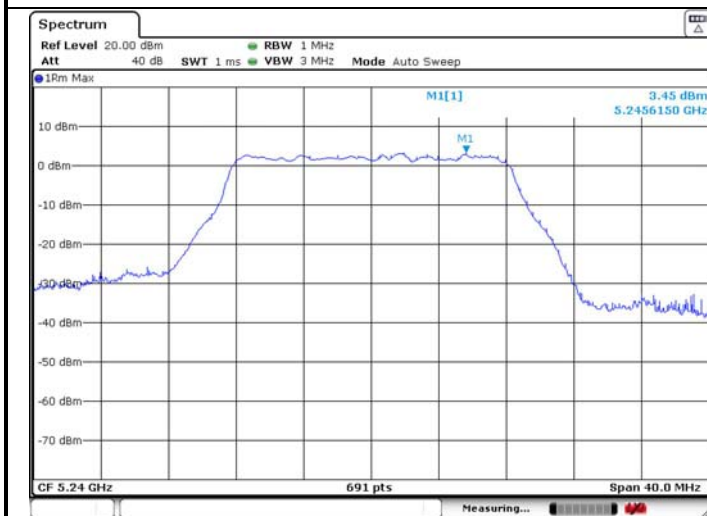
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## U-NII-1 IEEE 802.11a 5240MHz

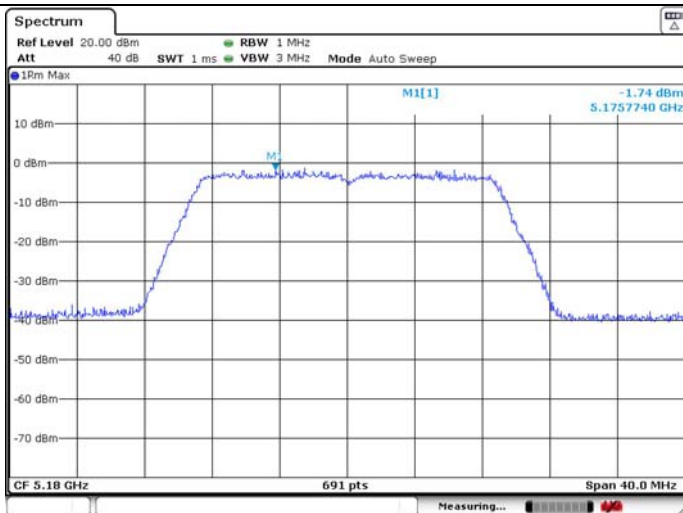
ANT 1

ANT 2

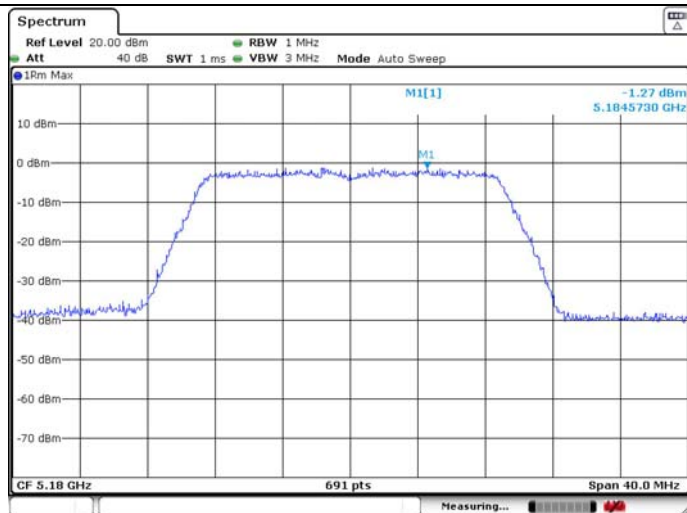


## U-NII-1 IEEE 802.11n HT20 5180MHz

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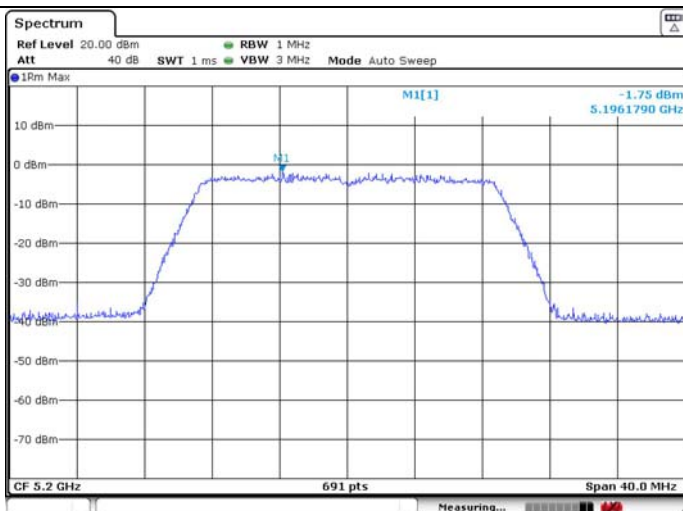


ANT 2

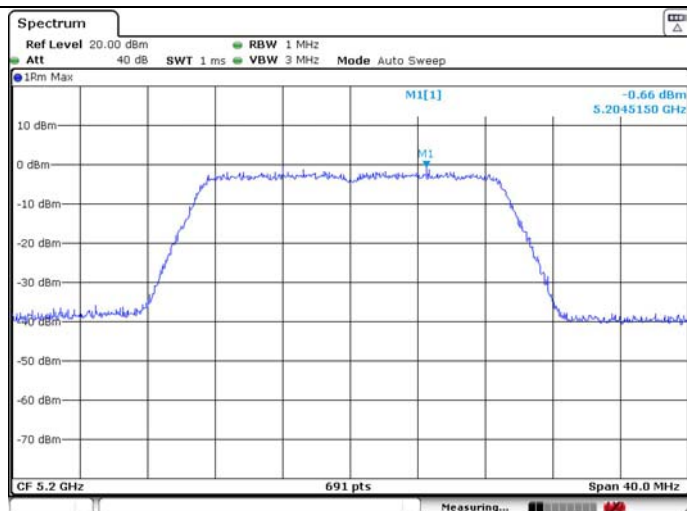


## U-NII-1 IEEE 802.11n HT20 5200MHz

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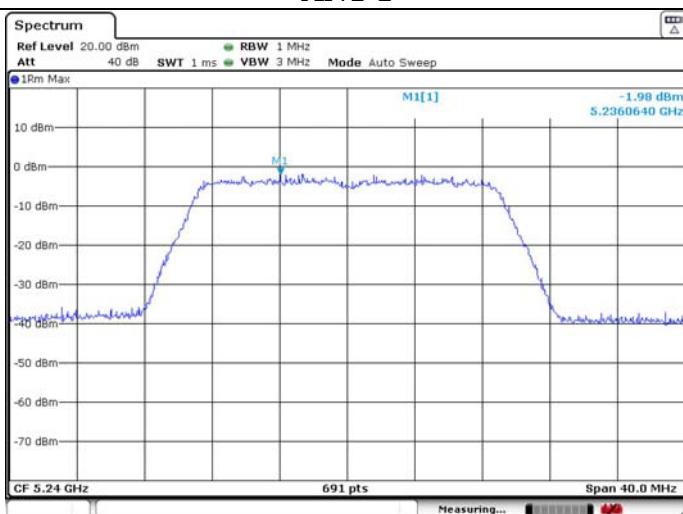


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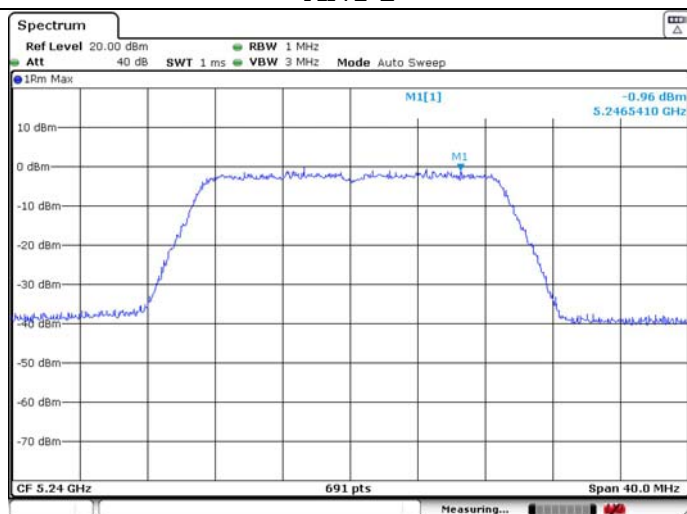


## U-NII-1 IEEE 802.11n HT20 5240MHz

ANT 1

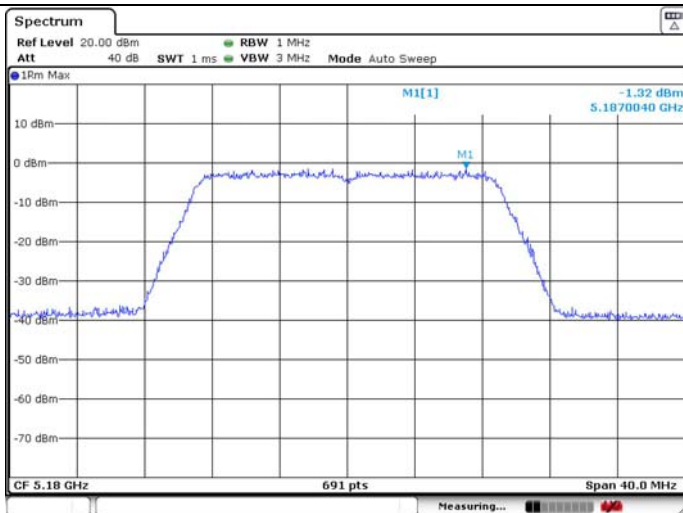


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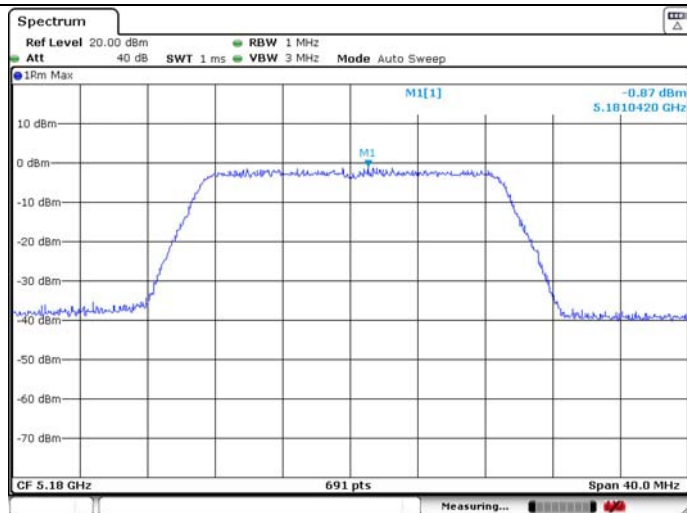


## U-NII-1 IEEE 802.11ac VHT20 5180MHz

ANT 1

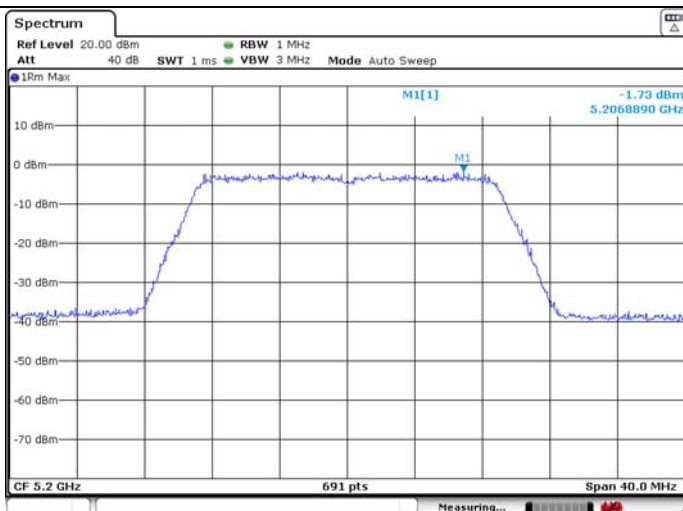


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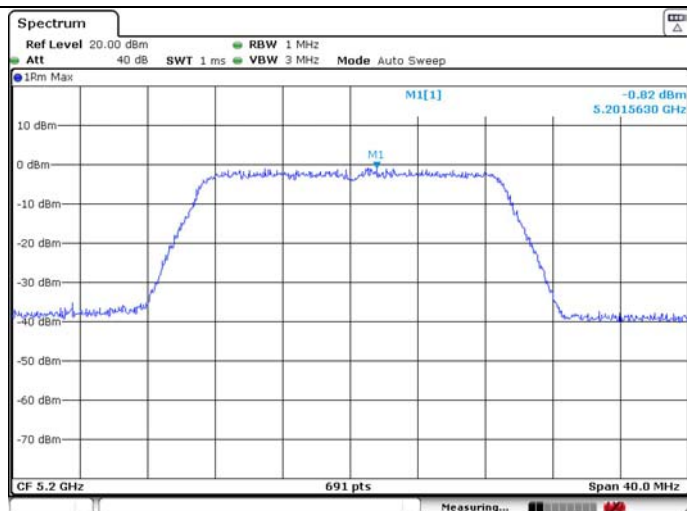


## U-NII-1 IEEE 802.11ac VHT20 5200MHz

ANT 1

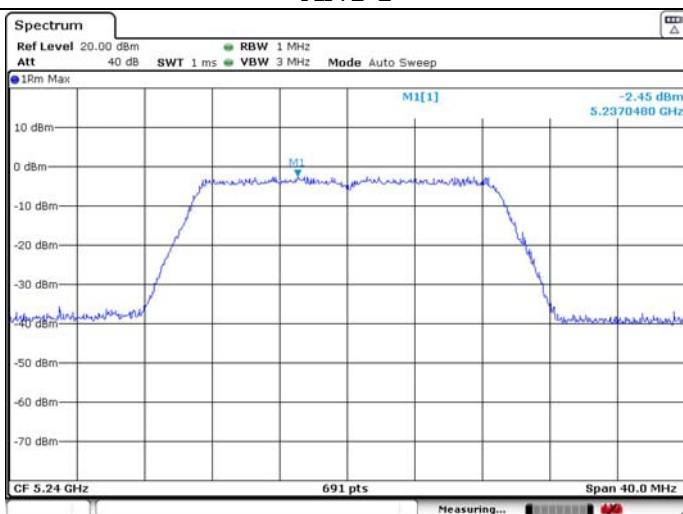


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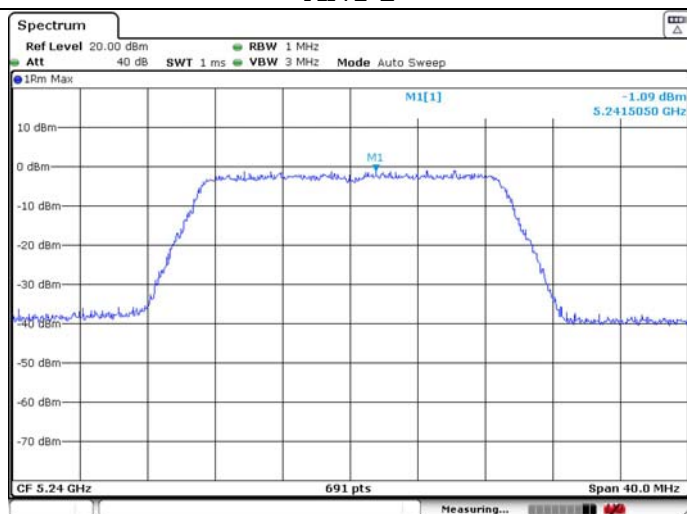


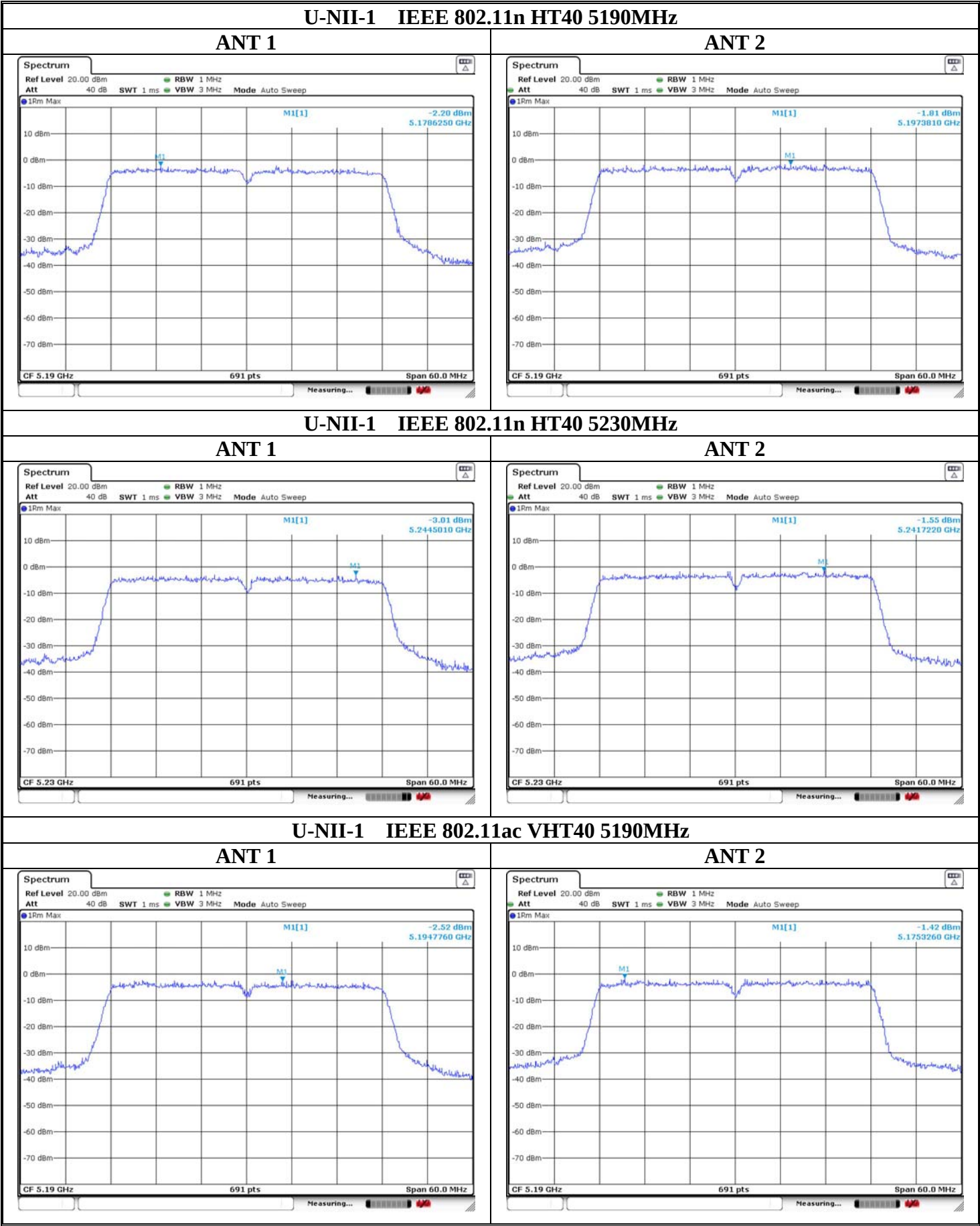
## U-NII-1 IEEE 802.11ac VHT20 5240MHz

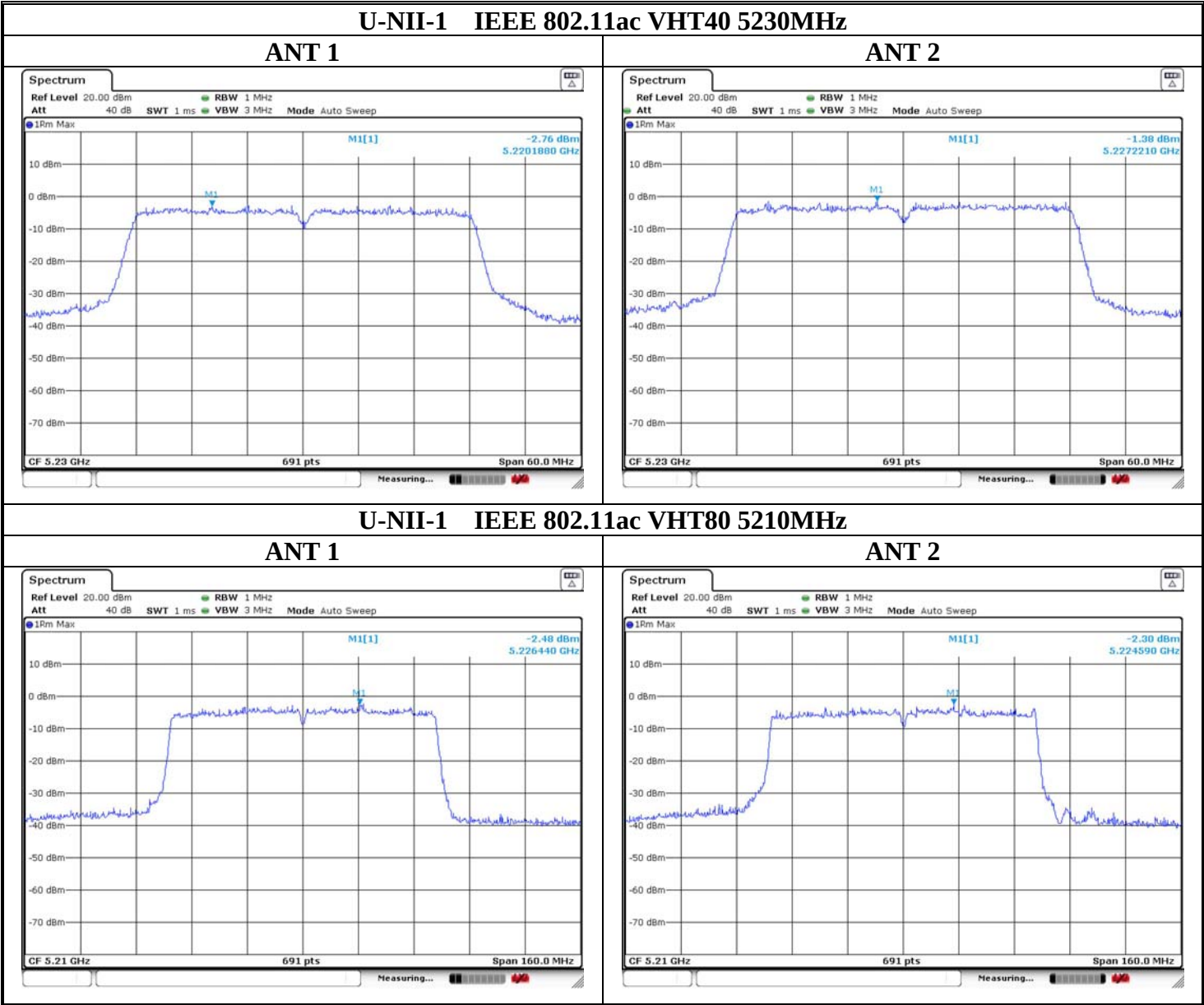
ANT 1



ANT 2







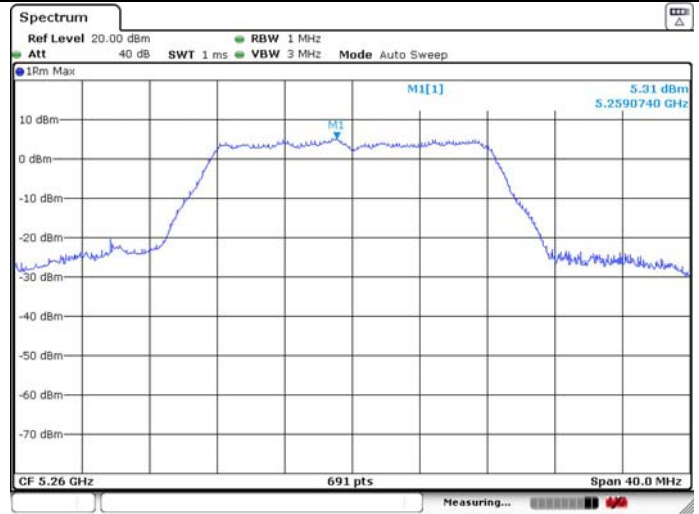


## U-NII-2A IEEE 802.11a 5260MHz

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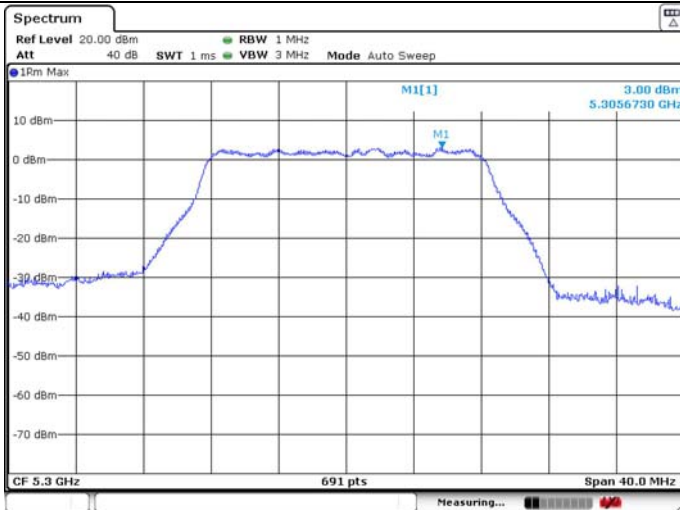


ANT 2

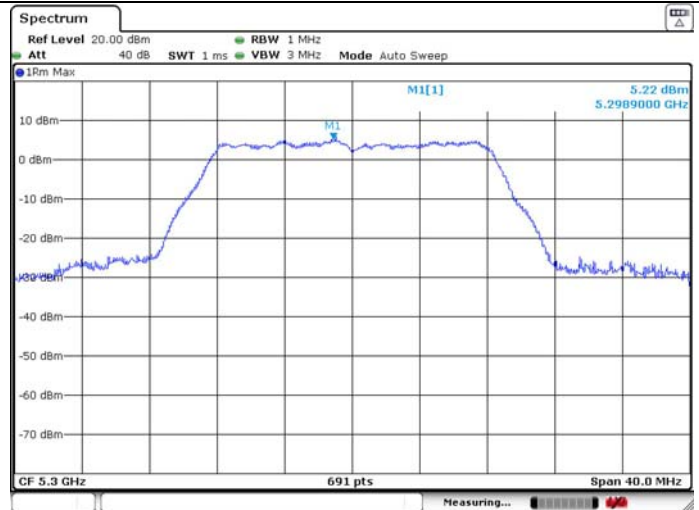


## U-NII-2A IEEE 802.11a 5300MHz

ANT 1

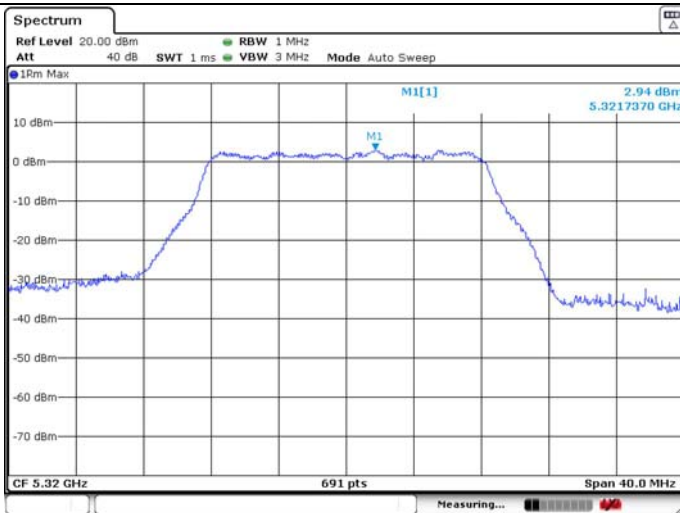


ANT 2

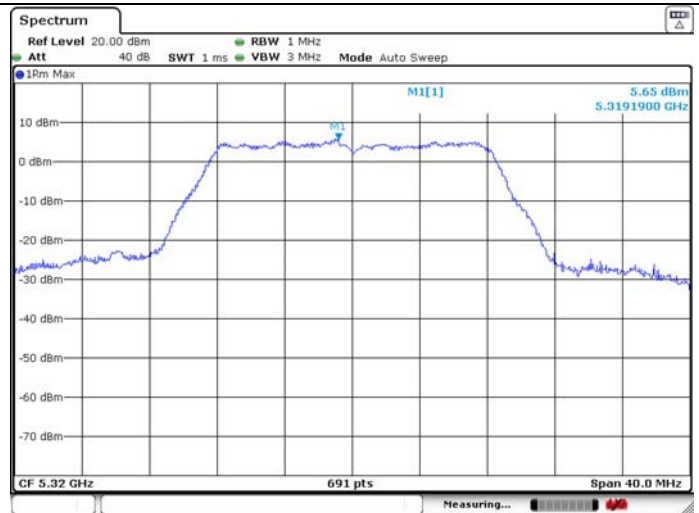


## U-NII-2A IEEE 802.11a 5320MHz

ANT 1

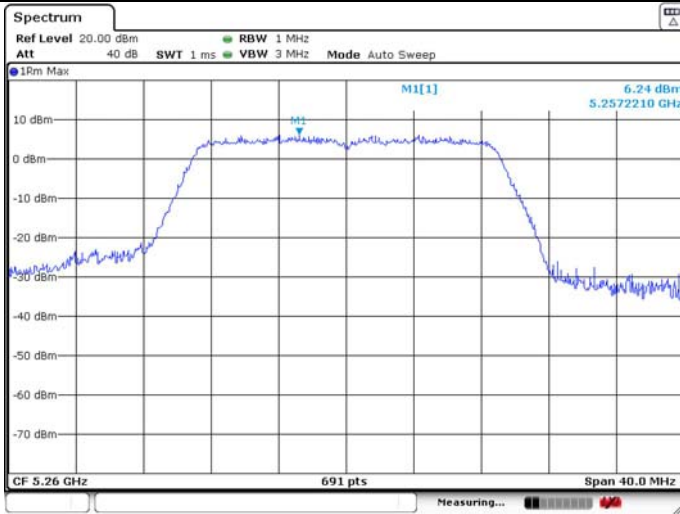


ANT 2



## U-NII-2A IEEE 802.11n HT20 5260MHz

ANT 1

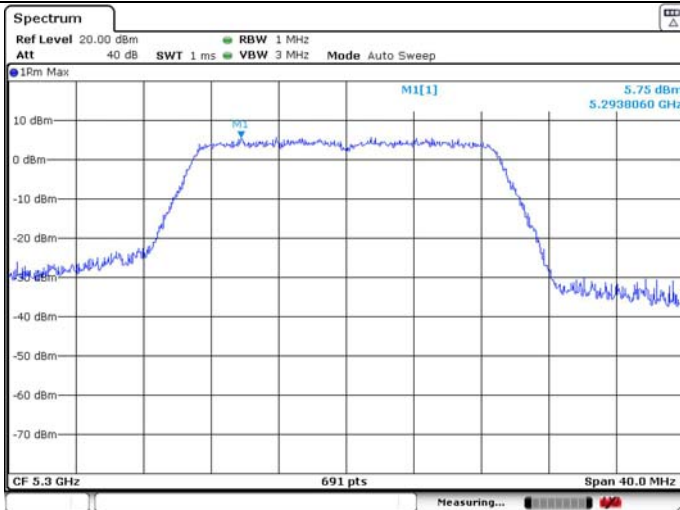


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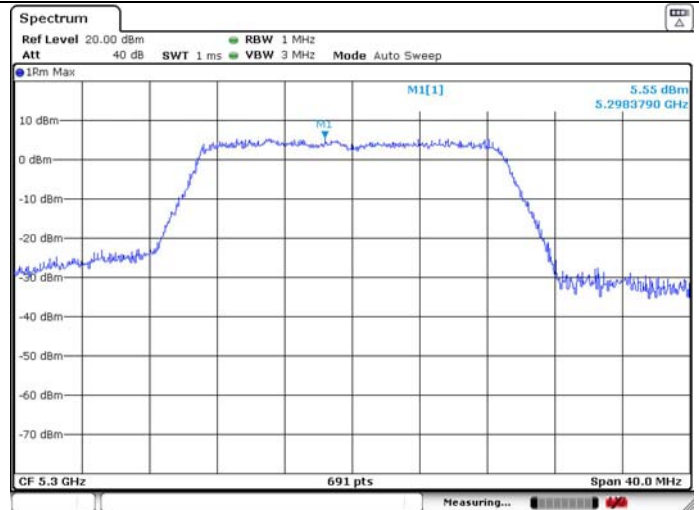


## U-NII-2A IEEE 802.11n HT20 5300MHz

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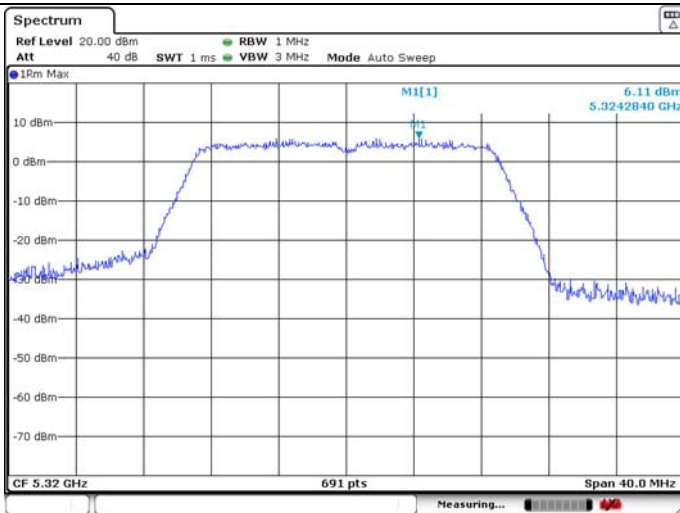


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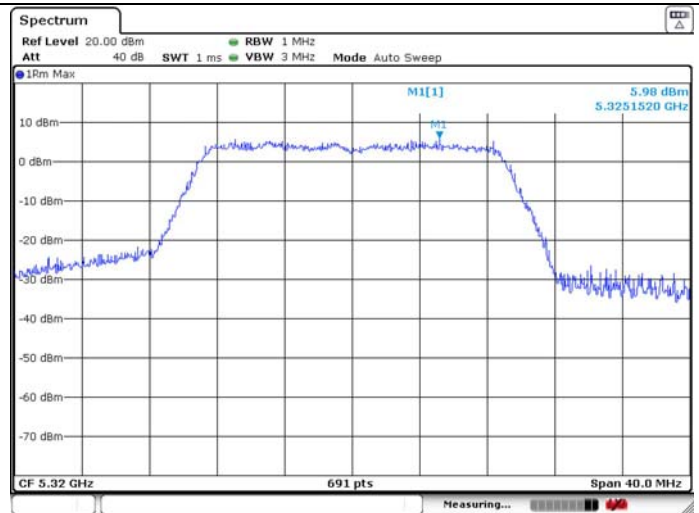


## U-NII-2A IEEE 802.11n HT20 5320MHz

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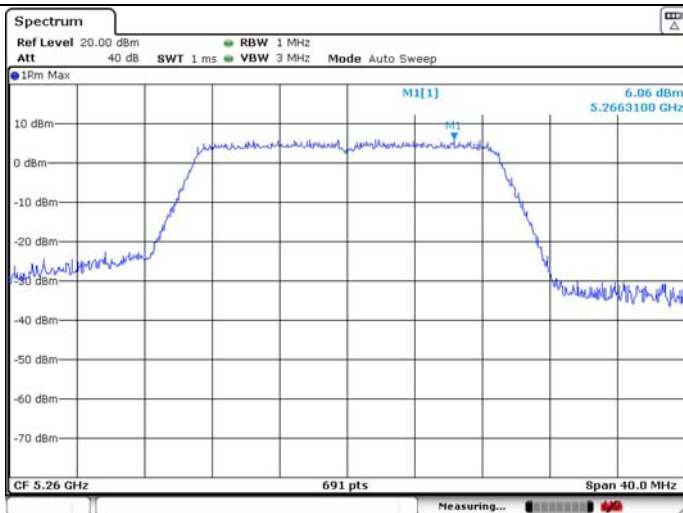


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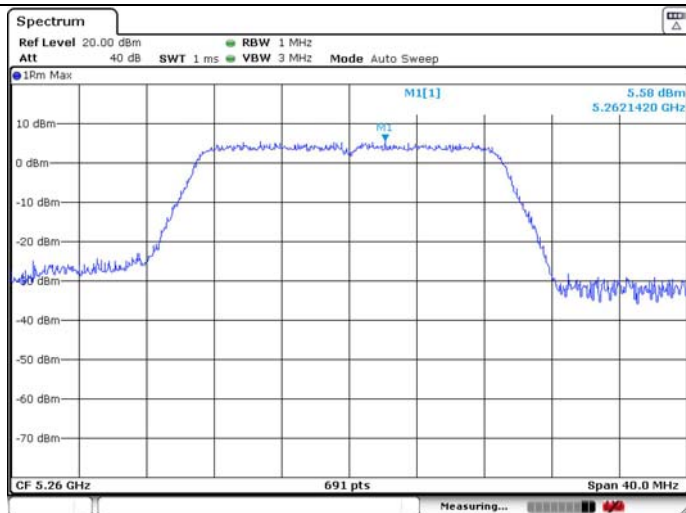


## U-NII-2A IEEE 802.11ac VHT20 5260MHz

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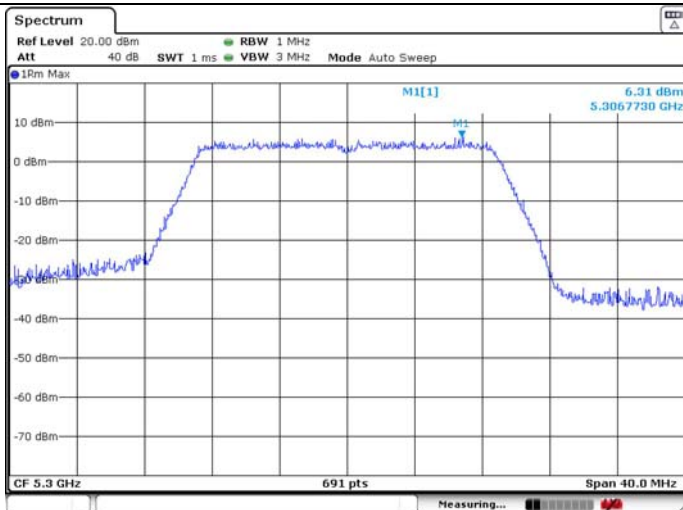


ANT 2



## U-NII-2A IEEE 802.11ac VHT20 5300MHz

ANT 1

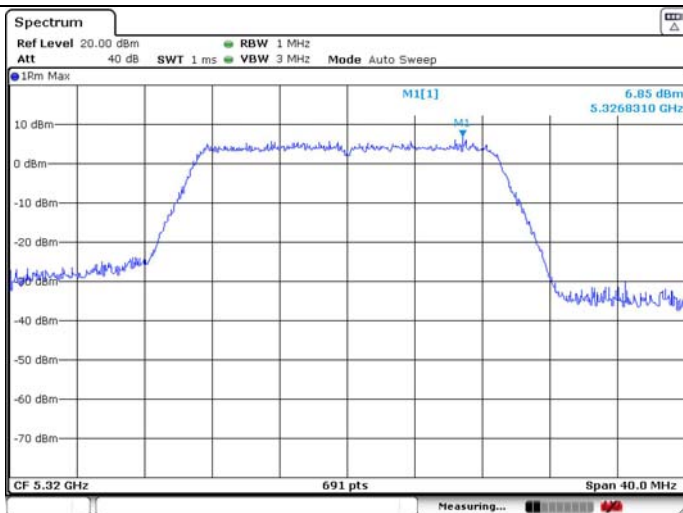


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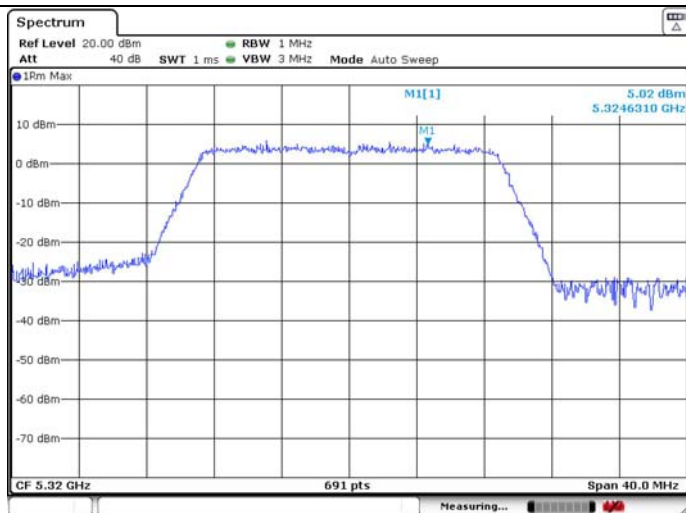


## U-NII-2A IEEE 802.11ac VHT20 5320MHz

ANT 1

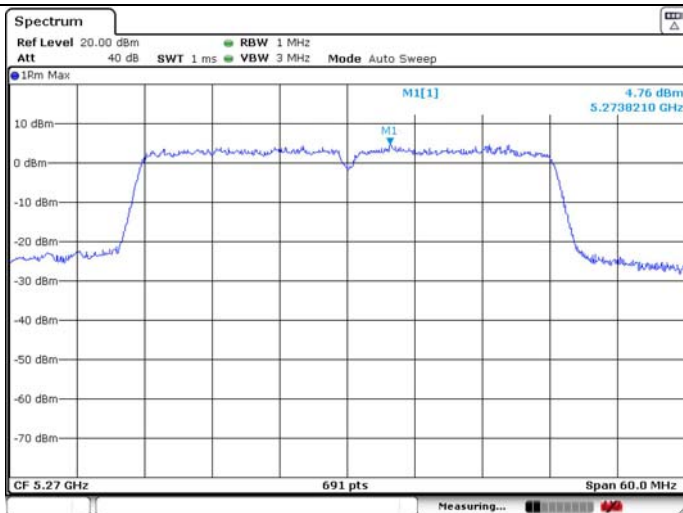


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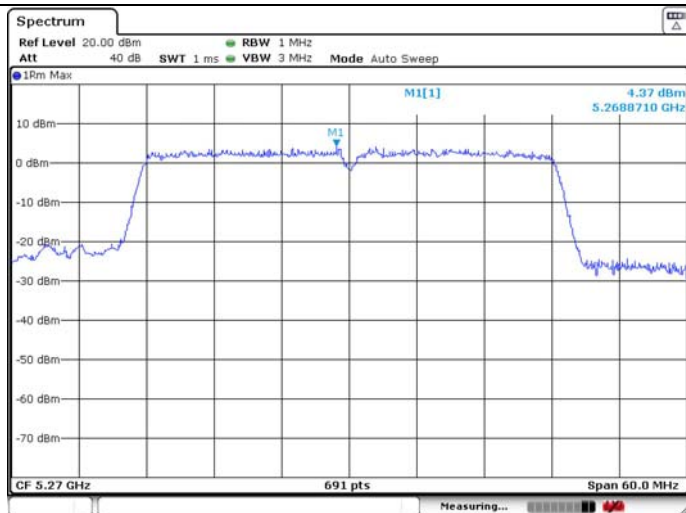


## U-NII-2A IEEE 802.11n HT40 5270MHz

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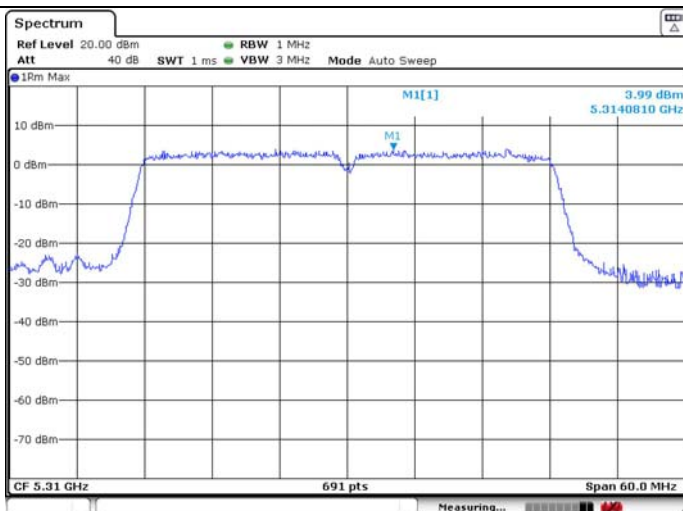


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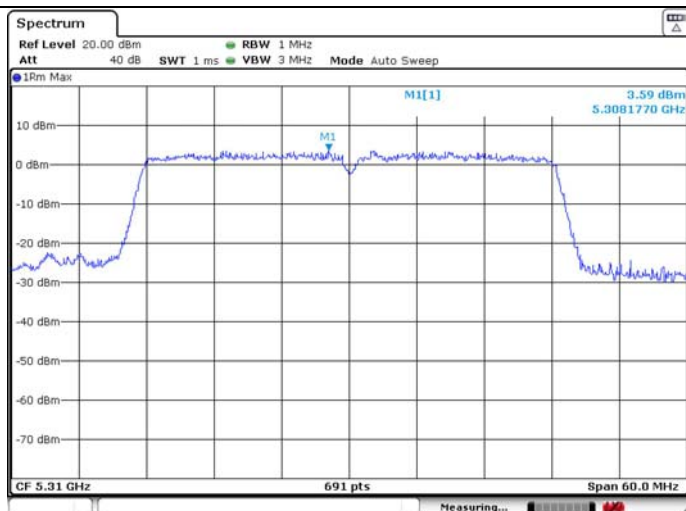


## U-NII-2A IEEE 802.11n HT40 5310MHz

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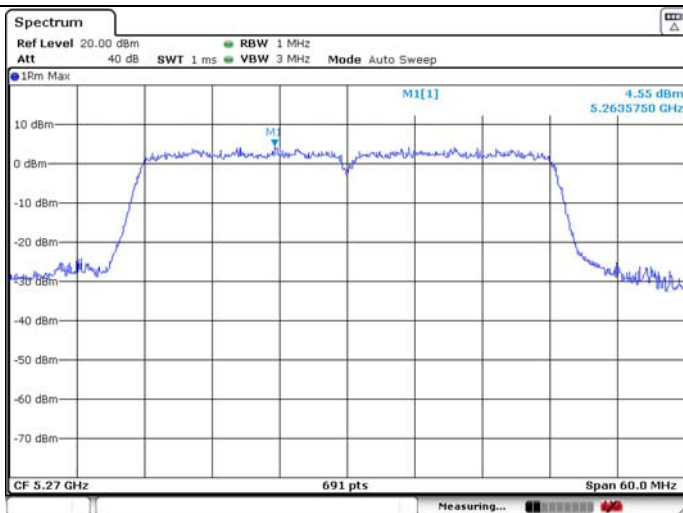


ANT 2



## U-NII-2A IEEE 802.11ac VHT40 5270MHz

ANT 1



ANT 2

