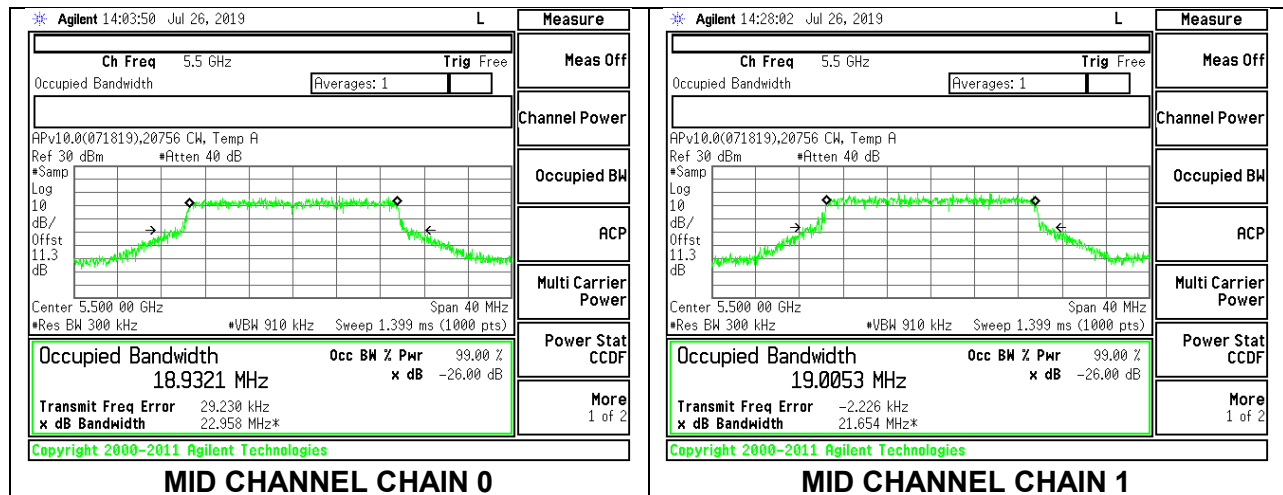
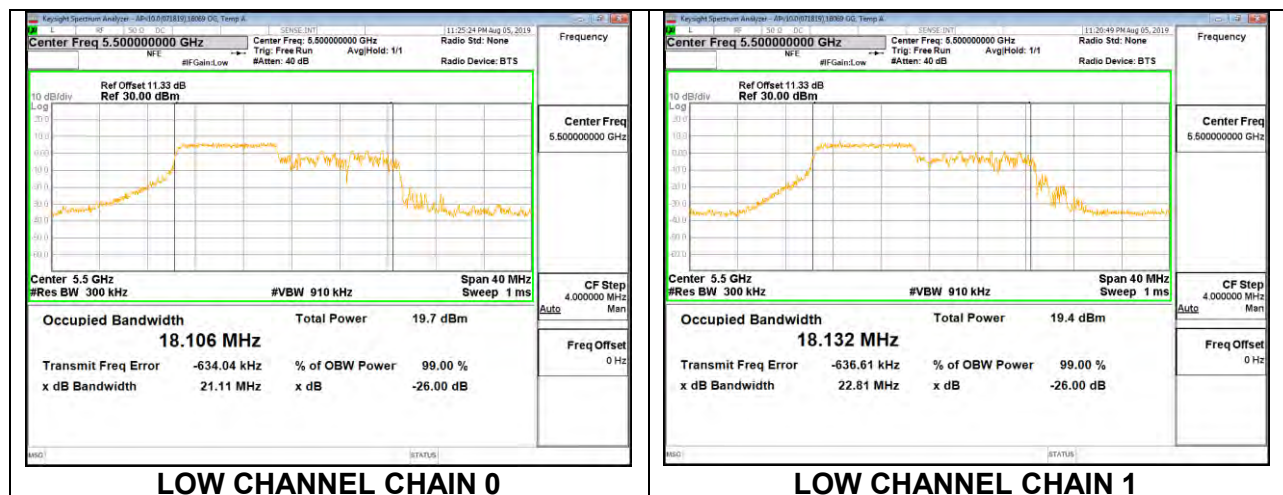


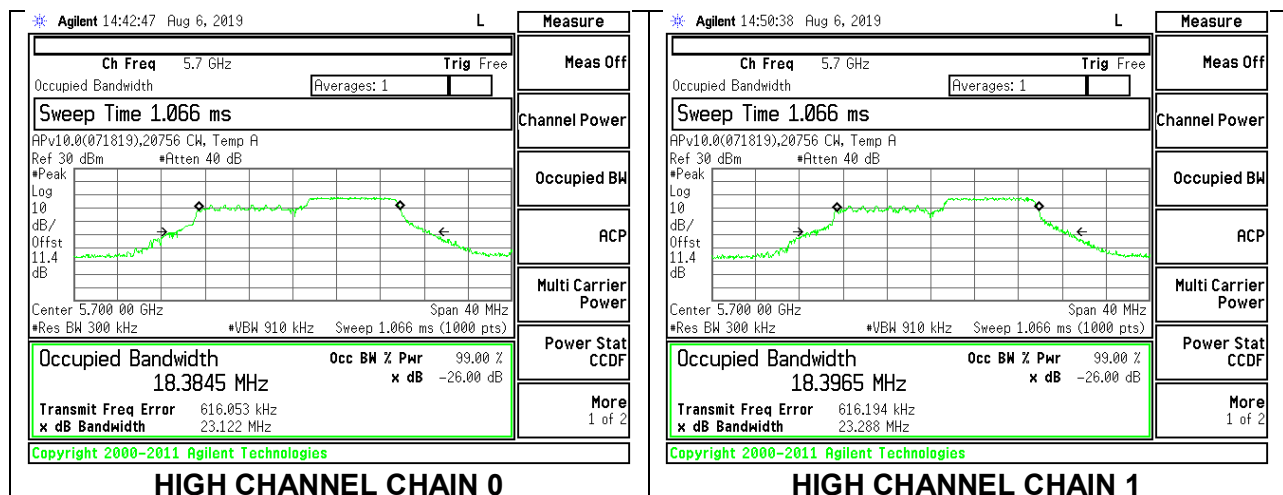
## 242-Tones, RU Index 61



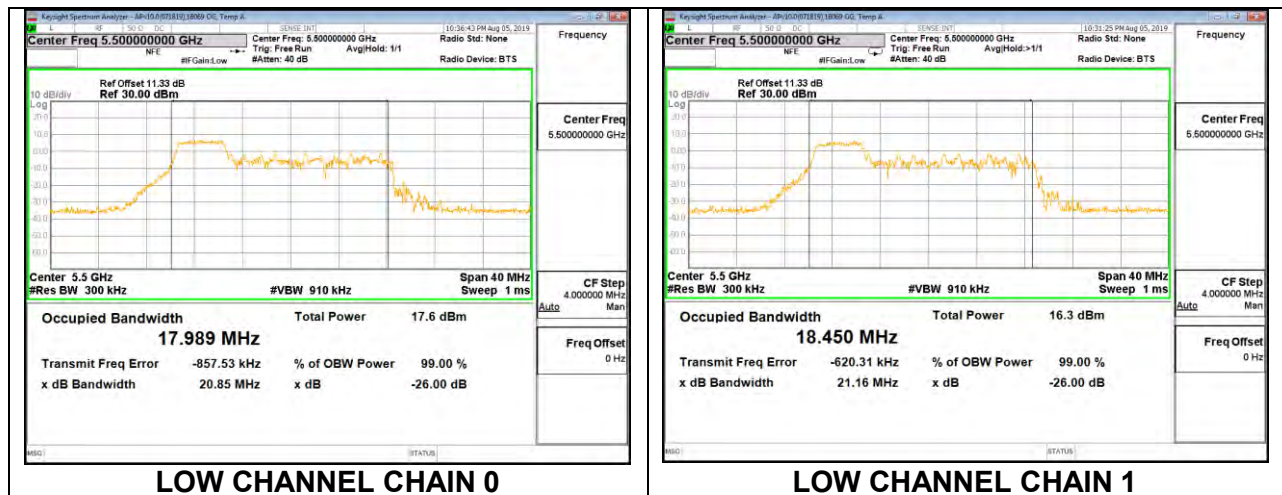
## 106-Tones, RU Index 53



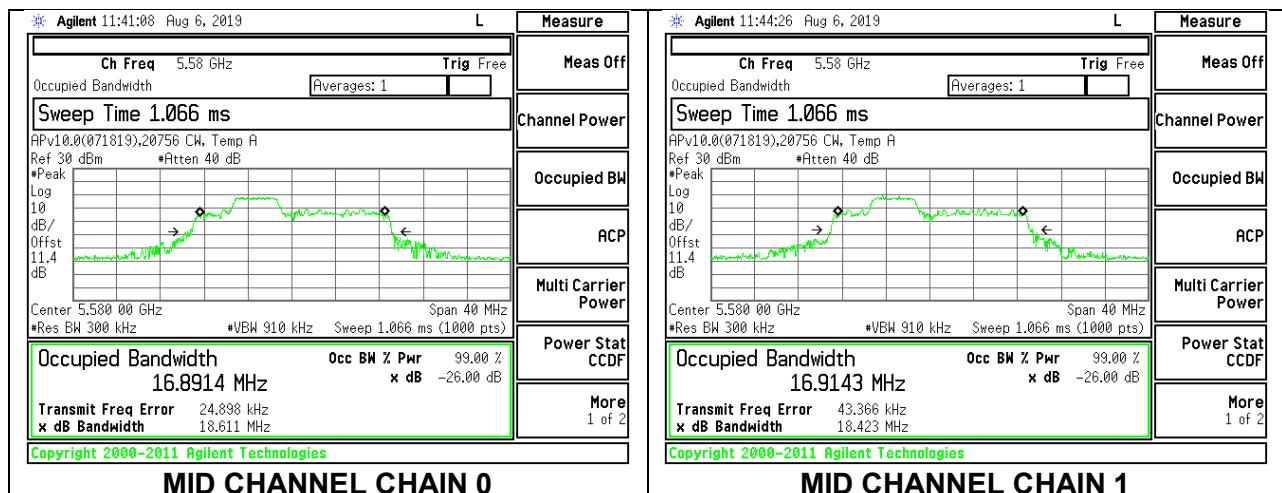
## 106-Tones, RU Index 54



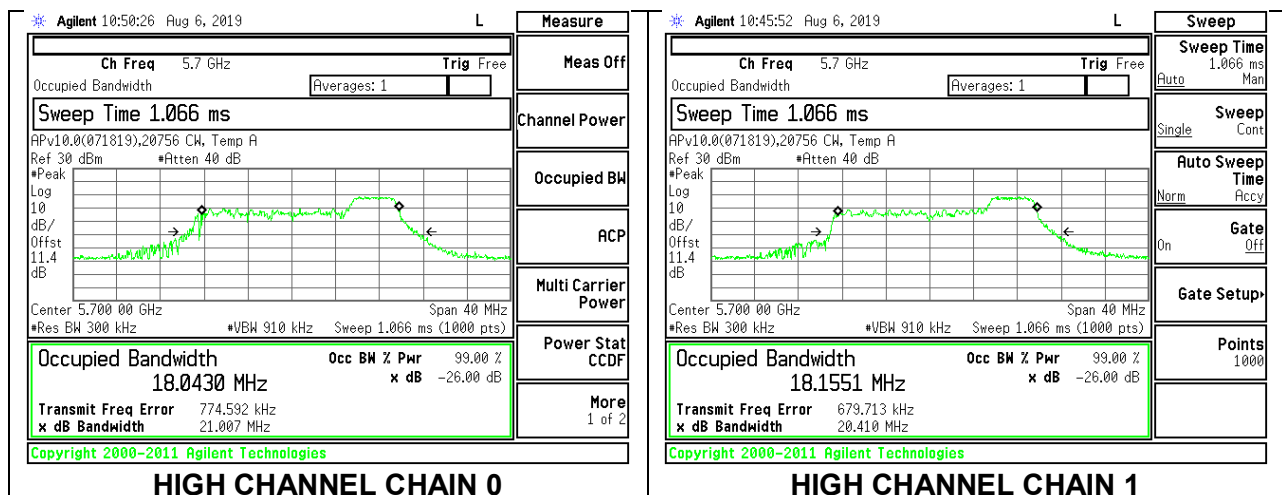
## 52-Tones, RU Index 37



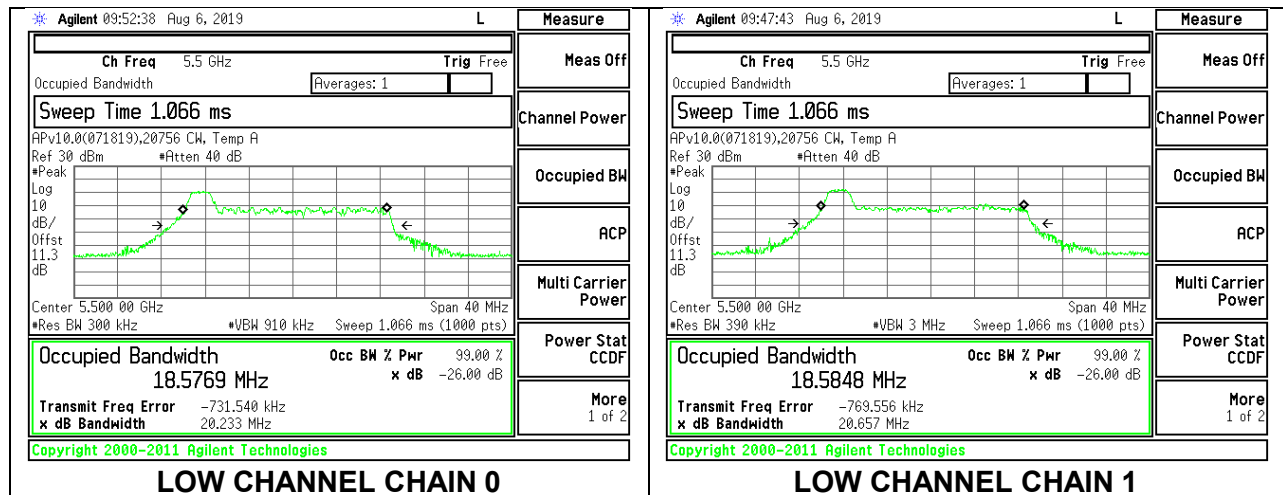
## 52-Tones, RU Index 38



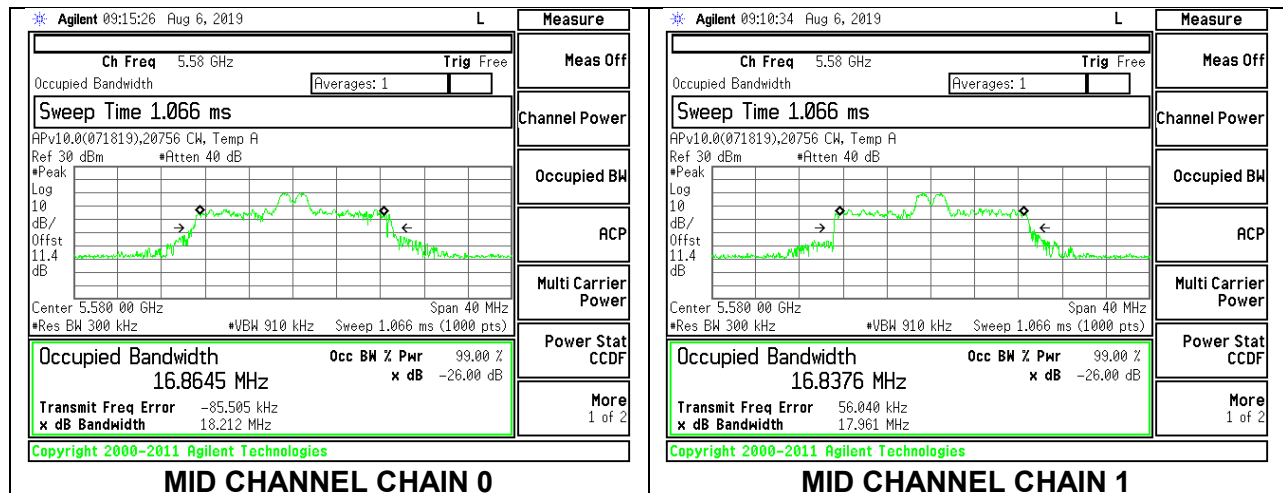
## 52-Tones, RU Index 40



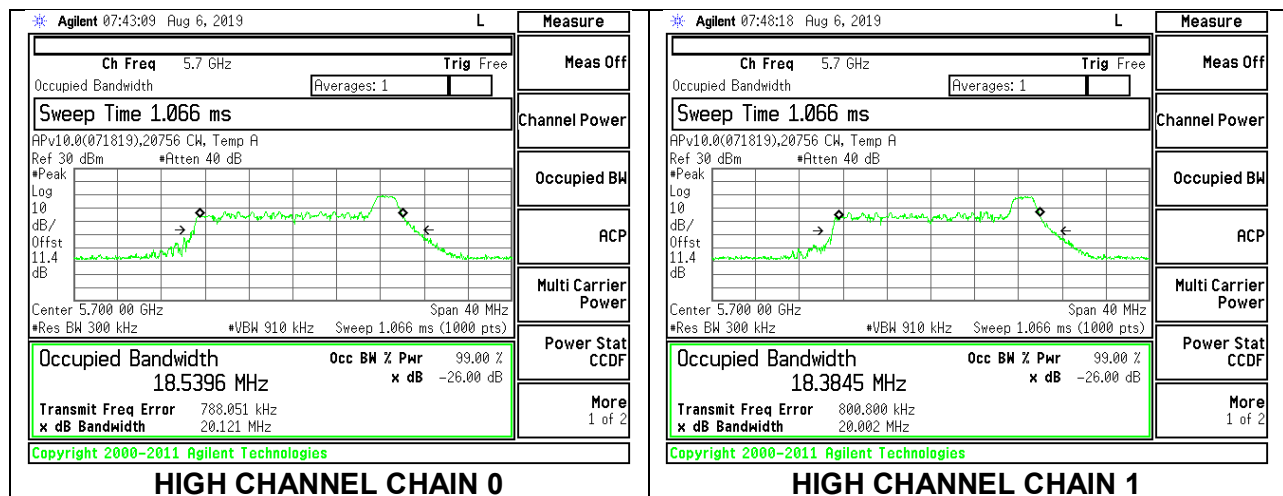
## 26-Tones, RU Index 0



## 26-Tones, RU Index 4



## 26-Tones, RU Index 8

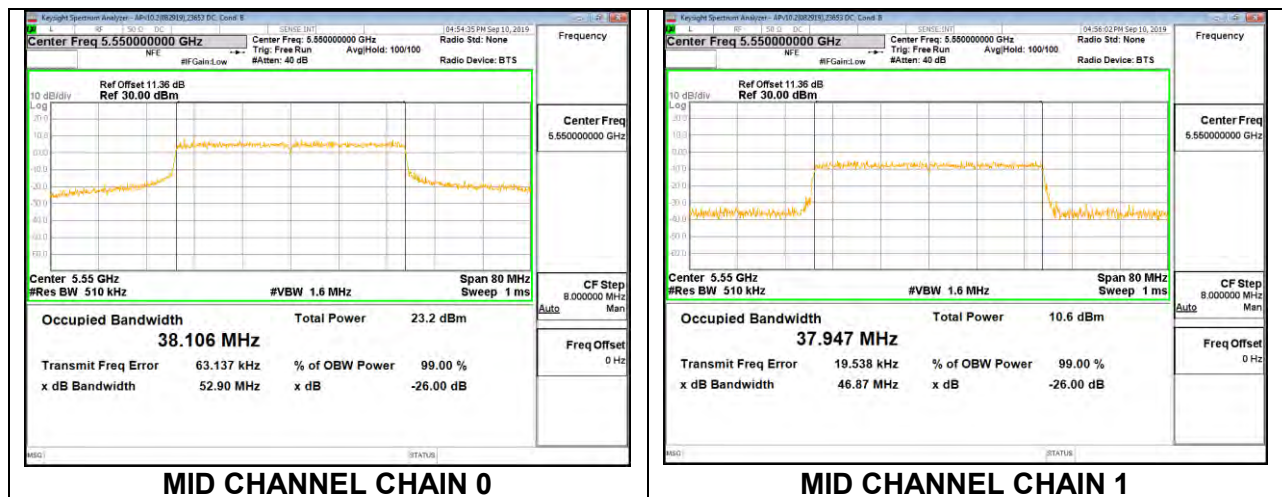


### 8.3.2. 802.11ax HE40 MODE IN THE 5.6 GHz BAND

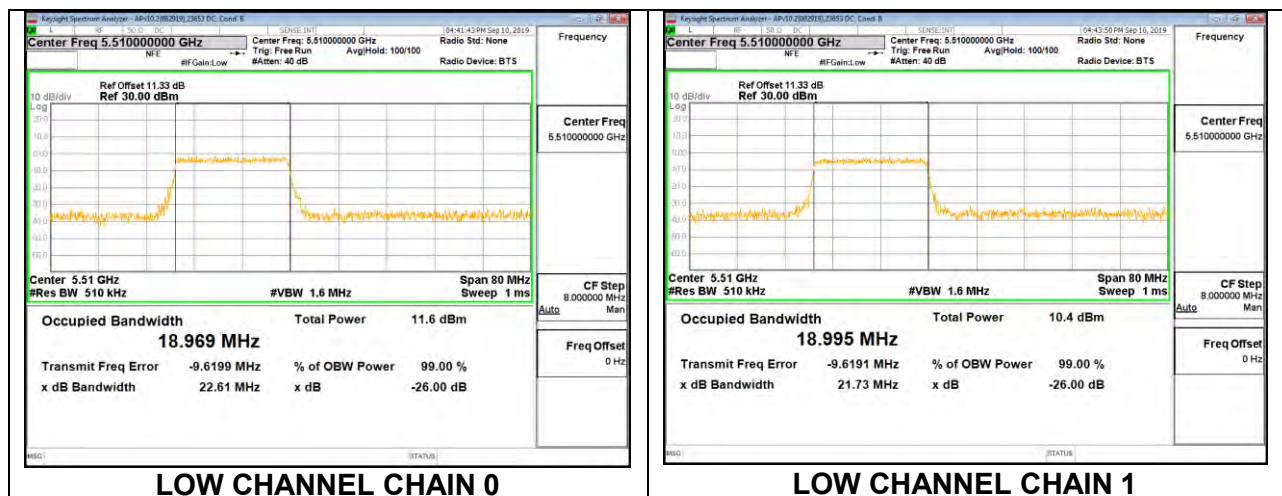
#### 2TX Chain 0 + Chain 1 OFDMA MODE

| RU Size<br>(Tones) | RU Index | Channel | Frequency<br>(MHz) | 99% Bandwidth<br>Chain 0<br>(MHz) | 99% Bandwidth<br>Chain 1<br>(MHz) |
|--------------------|----------|---------|--------------------|-----------------------------------|-----------------------------------|
| 484T               | 65       | Low     | 5510               | 37.946                            | 37.928                            |
|                    |          | Mid     | 5550               | 38.106                            | 37.947                            |
|                    |          | High    | 5670               | 37.797                            | 37.881                            |
|                    |          | 142     | 5710               | 37.972                            | 37.658                            |
| 242T               | 61       | Low     | 5510               | 18.969                            | 18.995                            |
|                    |          | Mid     | 5550               | 18.965                            | 18.972                            |
|                    | 62       | High    | 5670               | 19.378                            | 19.252                            |
|                    |          | 142     | 5710               | 19.075                            | 18.974                            |
| 106T               | 53       | Low     | 5510               | 17.575                            | 17.861                            |
|                    | 54       | Mid     | 5550               | 18.310                            | 18.148                            |
|                    | 56       | High    | 5670               | 18.105                            | 17.794                            |
|                    |          | 142     | 5710               | 18.226                            | 18.508                            |
| 52T                | 37       | Low     | 5510               | 18.079                            | 17.723                            |
|                    | 40       | Mid     | 5550               | 18.837                            | 17.887                            |
|                    | 44       | High    | 5670               | 18.172                            | 18.110                            |
|                    |          | 142     | 5710               | 18.275                            | 18.146                            |
| 26T                | 0        | Low     | 5510               | 18.225                            | 18.113                            |
|                    | 8        | Mid     | 5550               | 18.883                            | 18.733                            |
|                    | 17       | High    | 5670               | 18.300                            | 17.908                            |
|                    |          | 142     | 5710               | 18.545                            | 18.367                            |

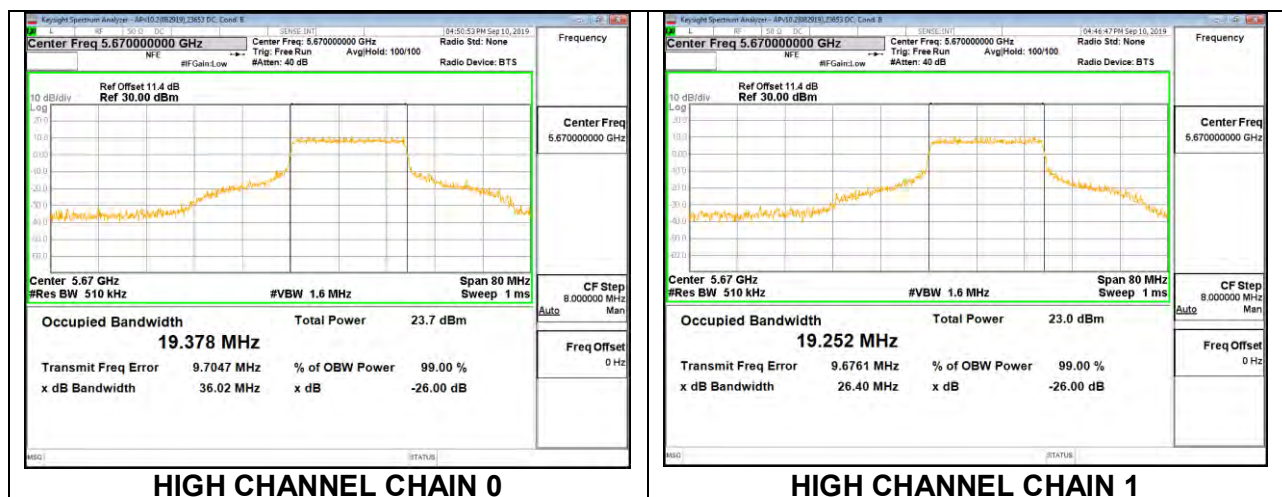
### 484-Tones, RU Index 65



### 242-Tones, RU Index 61

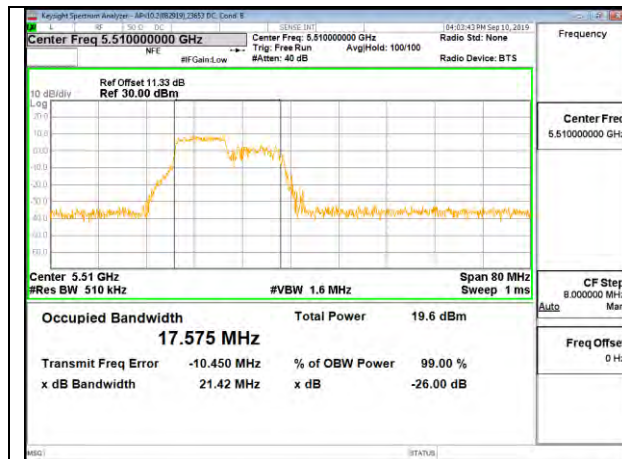


### 242-Tones, RU Index 62





### 106-Tones, RU Index 53

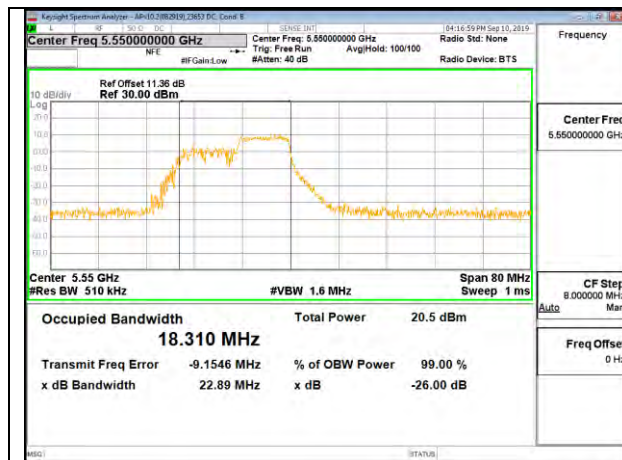


LOW CHANNEL CHAIN 0



LOW CHANNEL CHAIN 1

### 106-Tones, RU Index 54

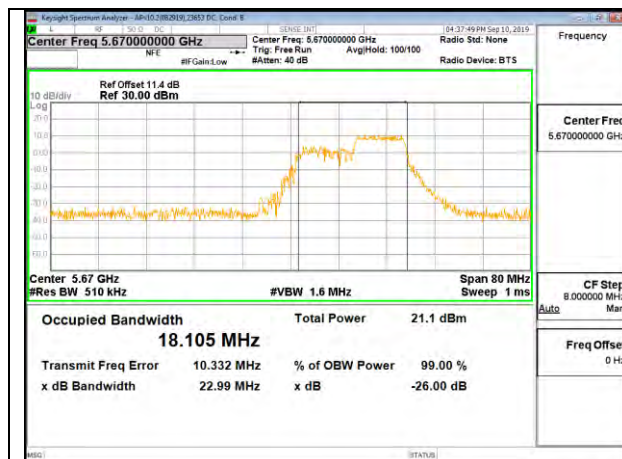


MID CHANNEL CHAIN 0



MID CHANNEL CHAIN 1

### 106-Tones, RU Index 56

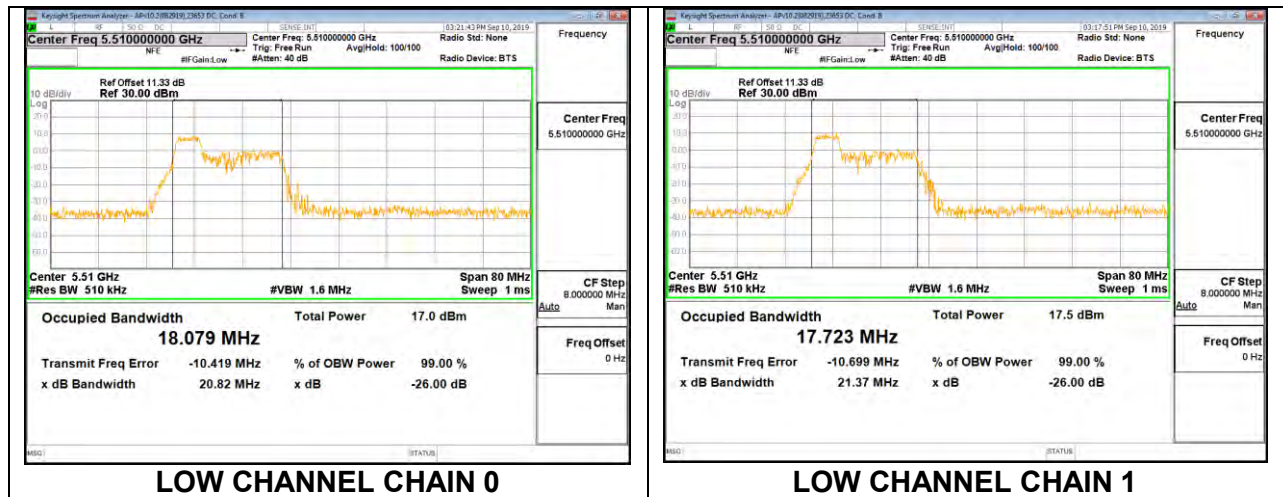


HIGH CHANNEL CHAIN 0

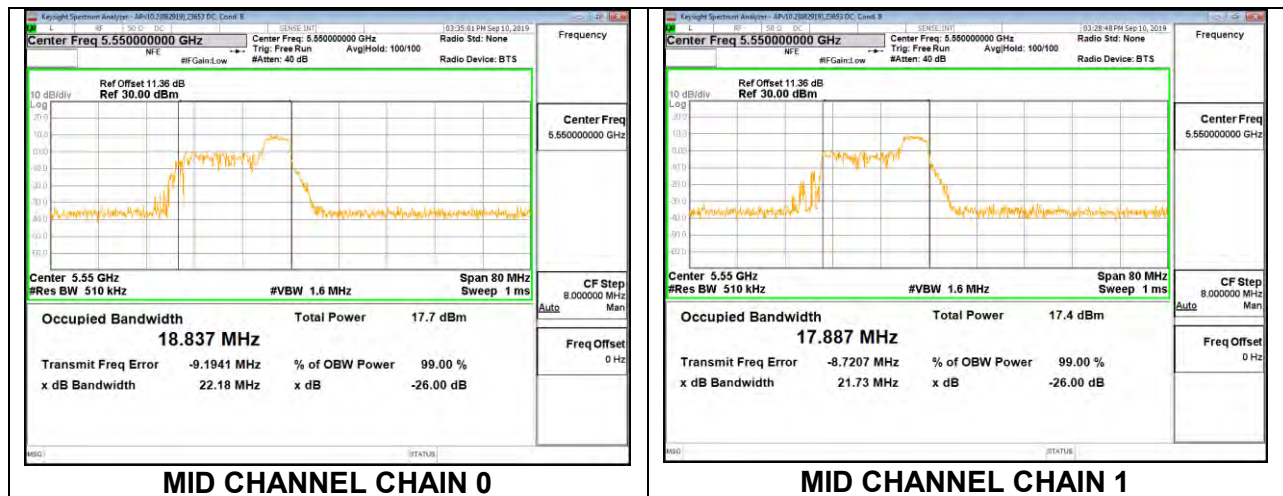


HIGH CHANNEL CHAIN 1

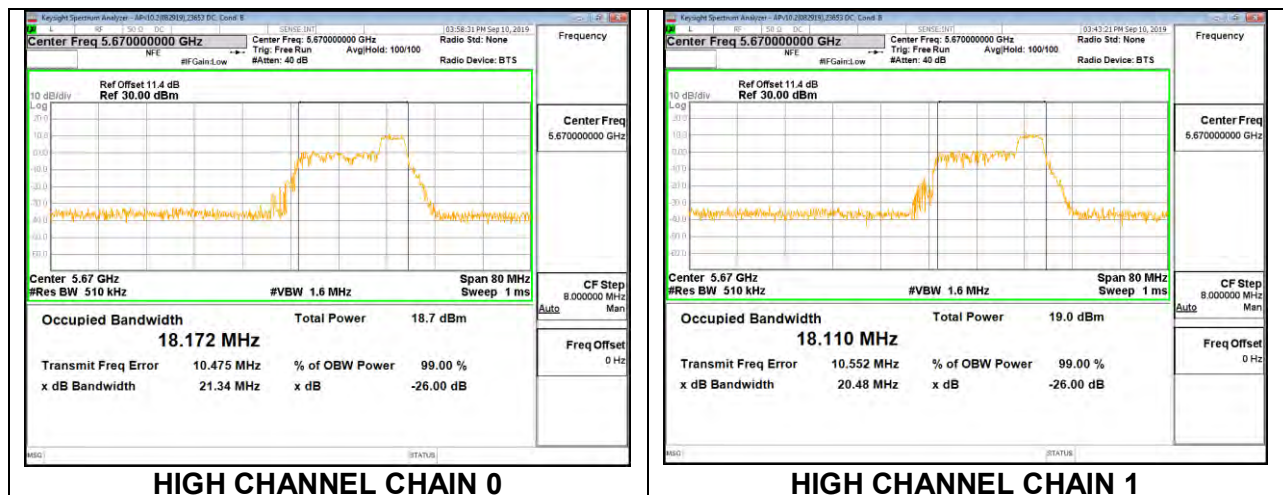
## 52-Tones, RU Index 37



## 52-Tones, RU Index 40

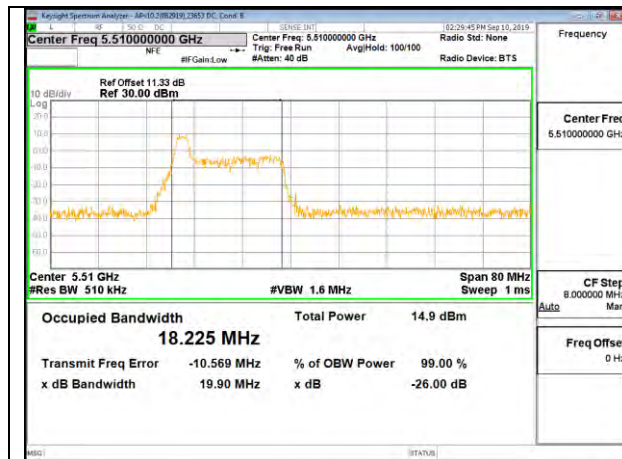


## 52-Tones, RU Index 44





## 26-Tones, RU Index 0

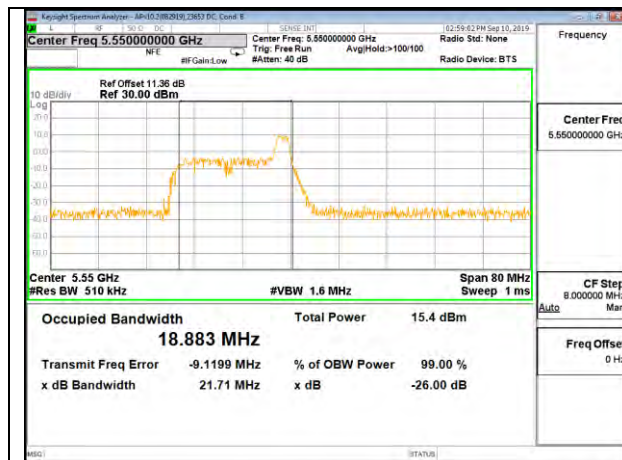


LOW CHANNEL CHAIN 0

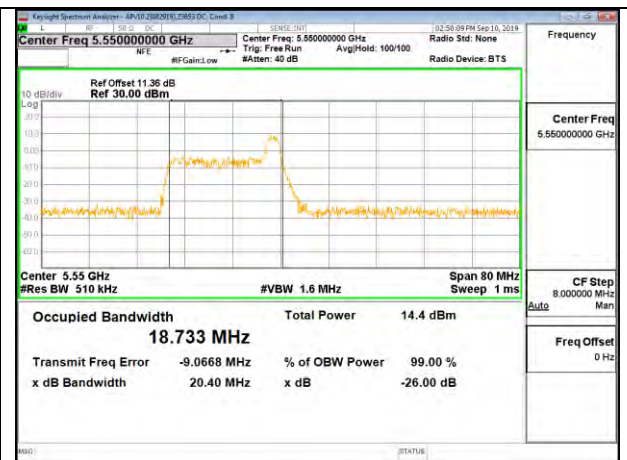


LOW CHANNEL CHAIN 1

## 26-Tones, RU Index 8

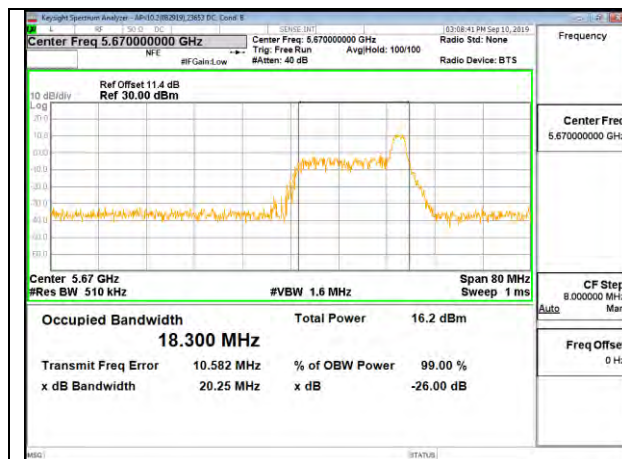


MID CHANNEL CHAIN 0



MID CHANNEL CHAIN 1

## 26-Tones, RU Index 17



HIGH CHANNEL CHAIN 0



HIGH CHANNEL CHAIN 1

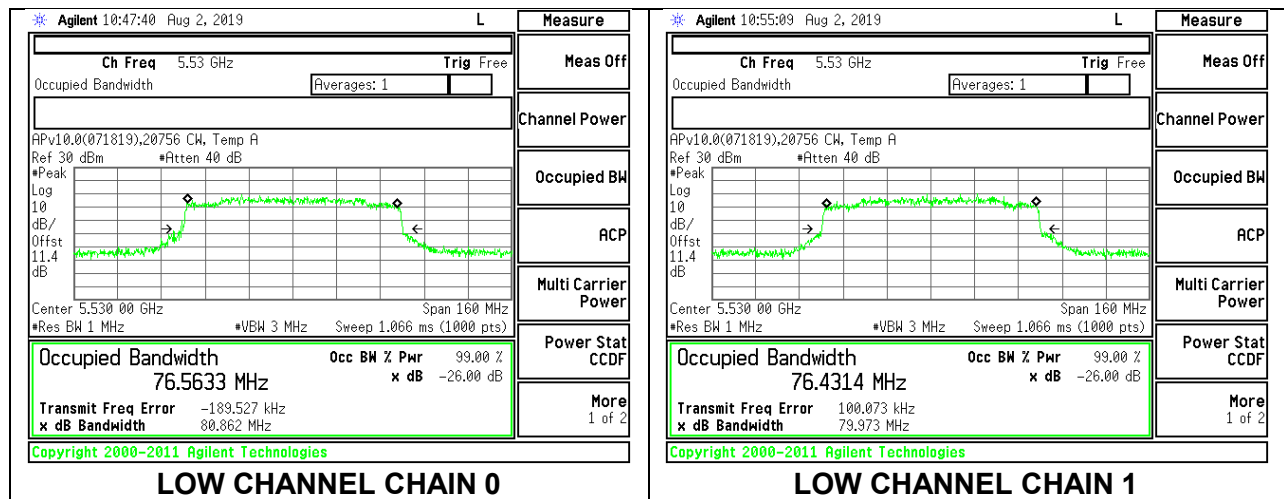


### 8.3.3. 802.11ax HE80 MODE IN THE 5.6 GHz BAND

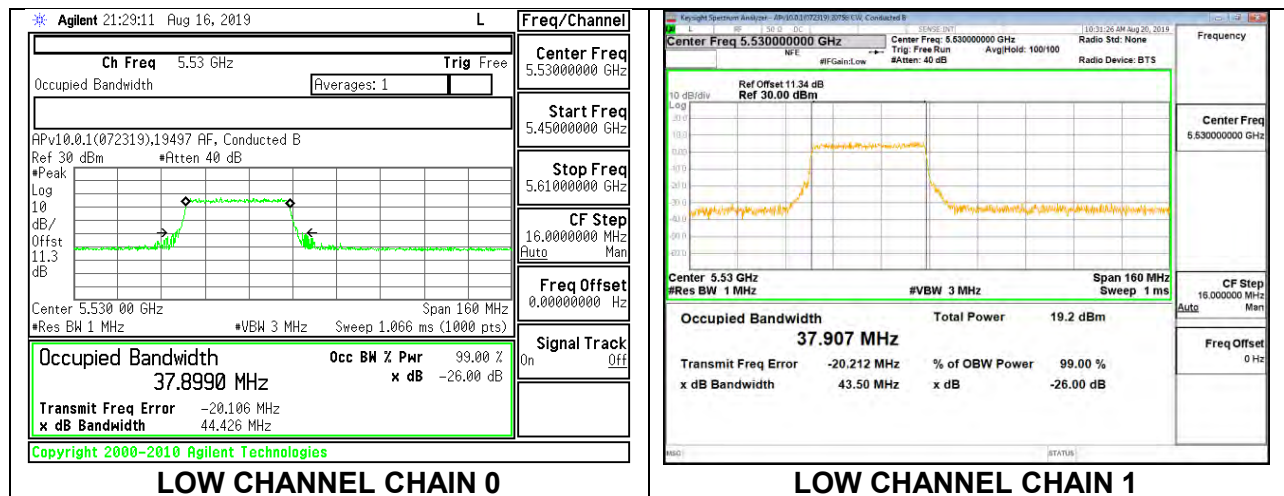
#### 2TX Chain 0 + Chain 1 OFDMA MODE

| RU Size<br>(Tones) | RU Index | Channel | Frequency<br>(MHz) | 99% Bandwidth<br>Chain 0<br>(MHz) | 99% Bandwidth<br>Chain 1<br>(MHz) |
|--------------------|----------|---------|--------------------|-----------------------------------|-----------------------------------|
| 996T               | 67       | Low     | 5530               | 76.5633                           | 76.4314                           |
|                    |          | High    | 5610               | 76.6110                           | 76.3591                           |
|                    |          | 138     | 5690               | 76.662                            | 77.054                            |
| 484T               | 65       | Low     | 5530               | 37.8990                           | 37.907                            |
|                    | 66       | High    | 5610               | 37.6607                           | 37.6573                           |
|                    |          | 138     | 5690               | 37.630                            | 37.834                            |
| 242T               | 61       | Low     | 5530               | 18.9045                           | 18.8708                           |
|                    | 62       | Low     | 5530               | 36.9941                           | 36.9865                           |
|                    | 64       | High    | 5610               | 19.3568                           | 19.2017                           |
|                    |          | 138     | 5690               | 18.873                            | 18.845                            |
| 106T               | 53       | Low     | 5530               | 18.0732                           | 18.1385                           |
|                    | 56       | Low     | 5530               | 17.321                            | 17.302                            |
|                    | 60       | High    | 5610               | 17.765                            | 17.756                            |
|                    |          | 138     | 5690               | 18.2264                           | 18.5028                           |
| 52T                | 37       | Low     | 5530               | 18.003                            | 17.901                            |
|                    | 44       | Low     | 5530               | 17.344                            | 16.723                            |
|                    | 52       | High    | 5610               | 17.827                            | 17.840                            |
|                    |          | 138     | 5690               | 17.992                            | 17.921                            |
| 26T                | 0        | Low     | 5530               | 18.286                            | 18.236                            |
|                    | 18       | Low     | 5530               | 36.2303                           | 36.5449                           |
|                    | 36       | High    | 5610               | 18.040                            | 18.116                            |
|                    |          | 138     | 5690               | 18.041                            | 18.105                            |

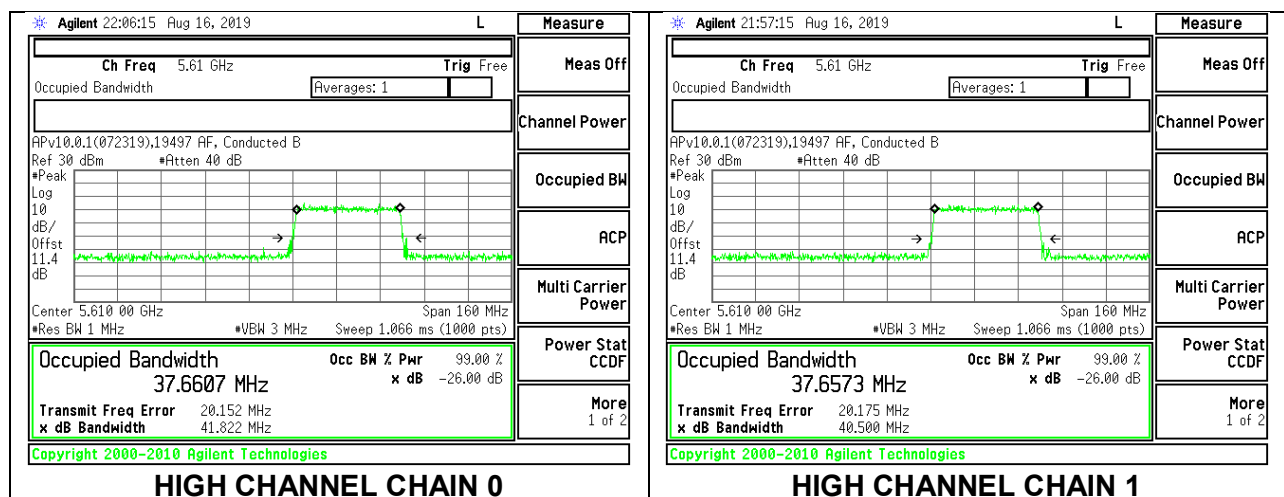
## 996-Tones, RU Index 67



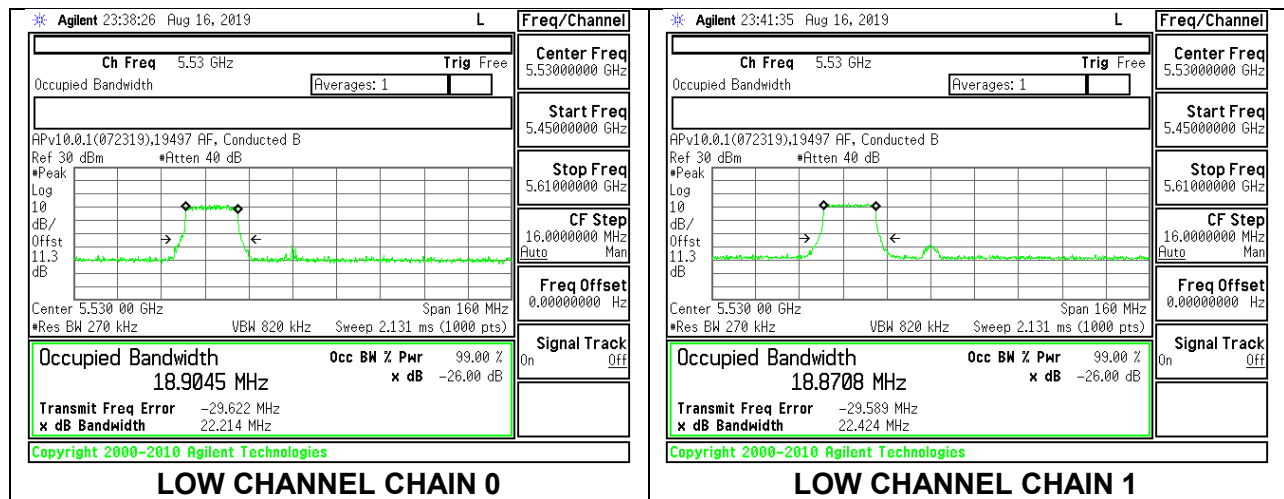
## 484-Tones, RU Index 65



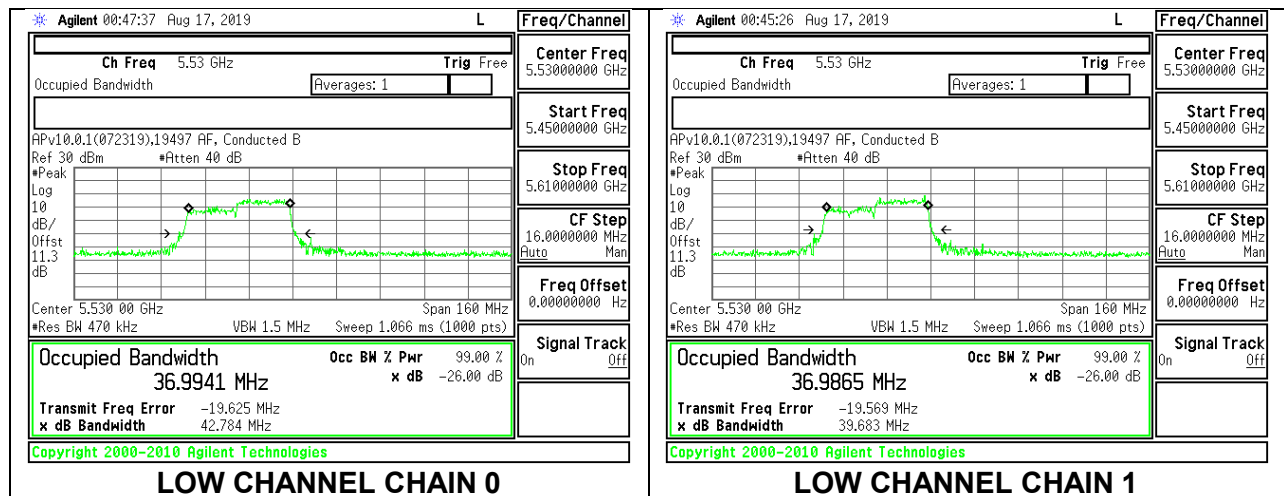
## 484-Tones, RU Index 66



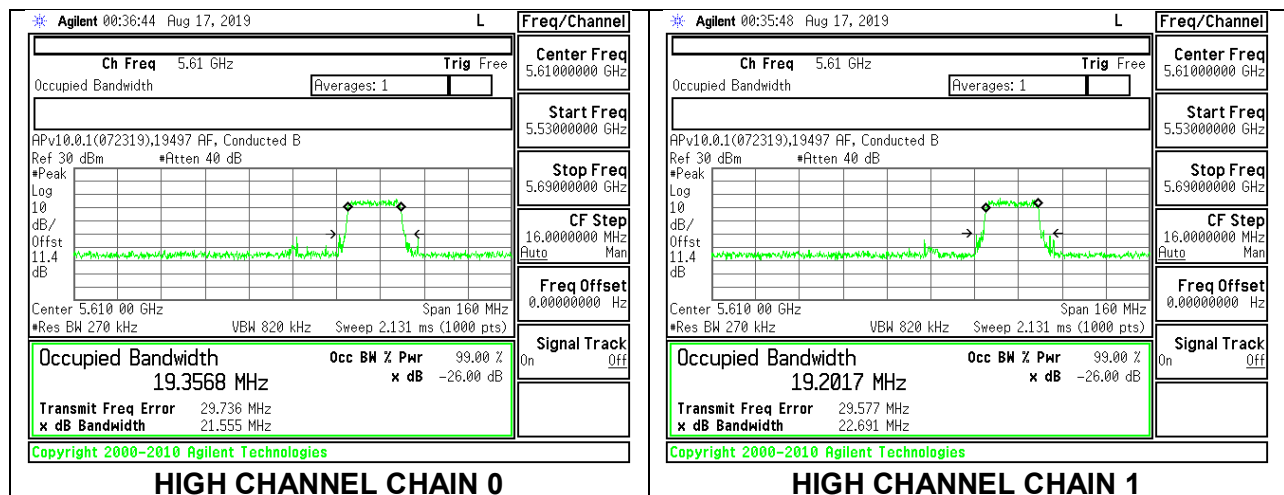
## 242-Tones, RU Index 61



## 242-Tones, RU Index 62

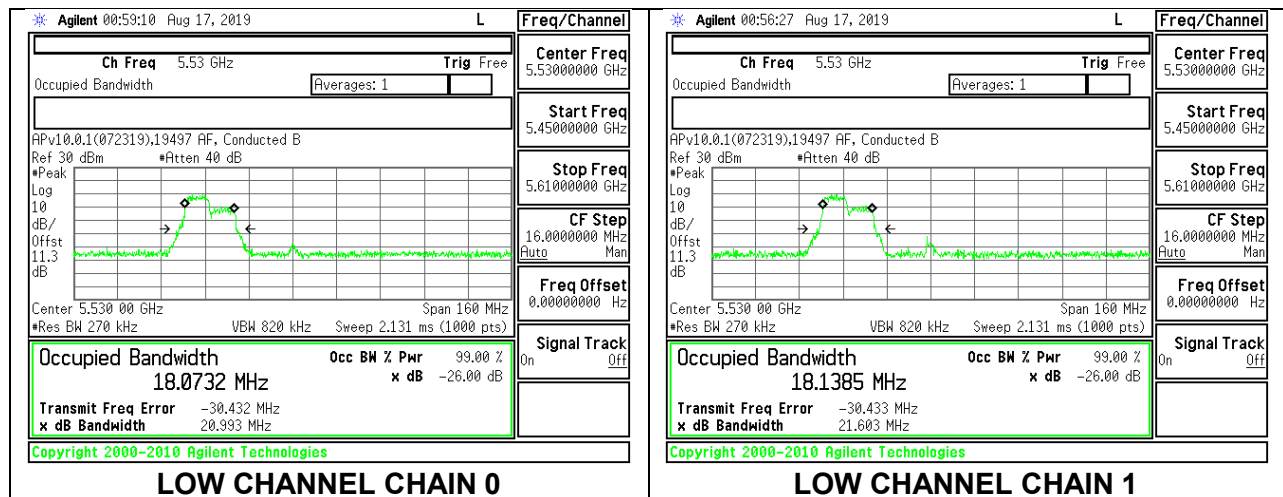


## 242-Tones, RU Index 64

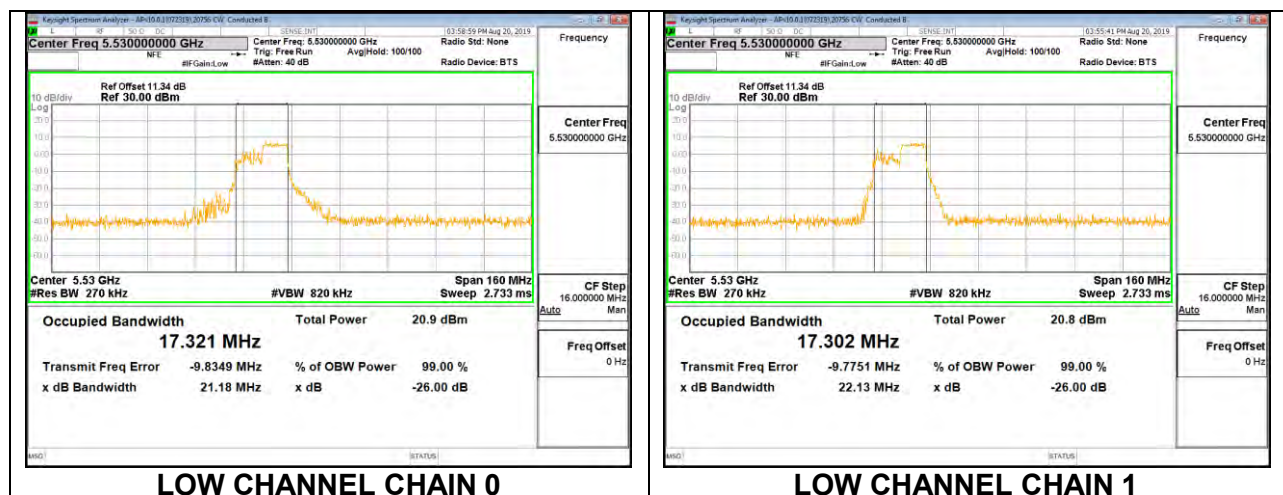




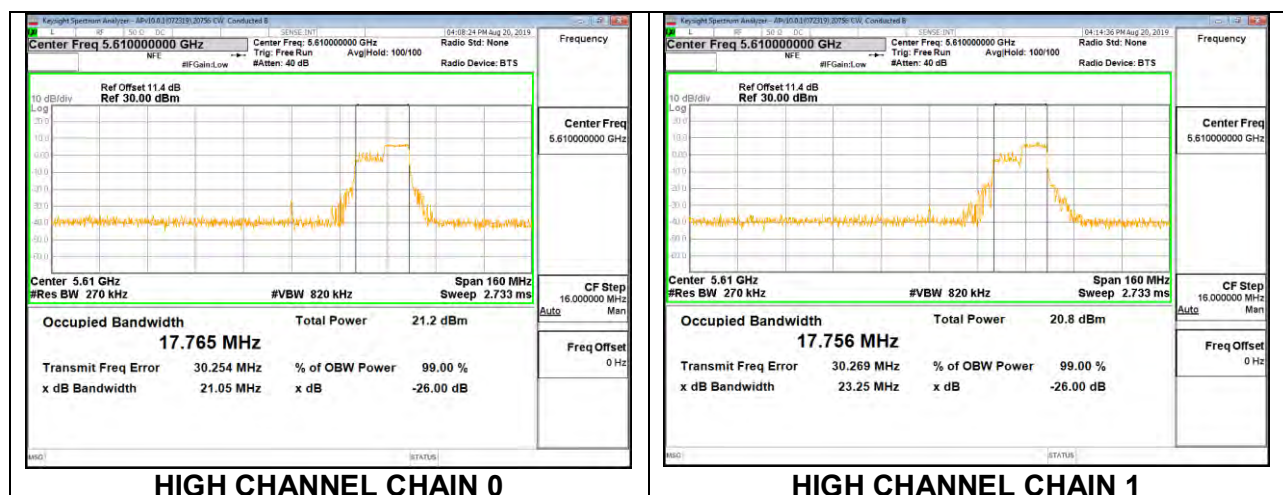
## 106-Tones, RU Index 53



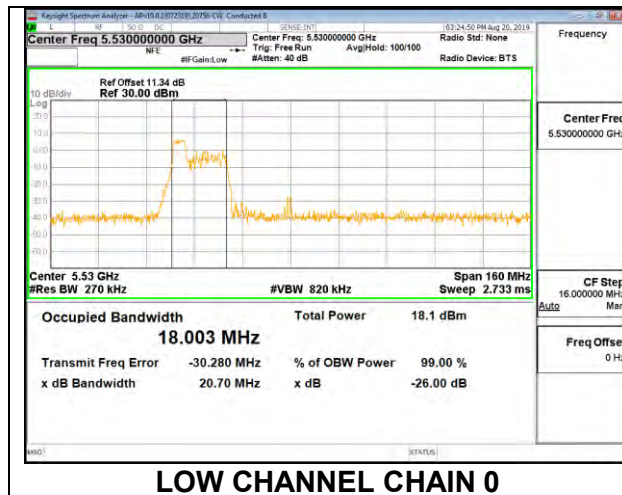
## 106-Tones, RU Index 56



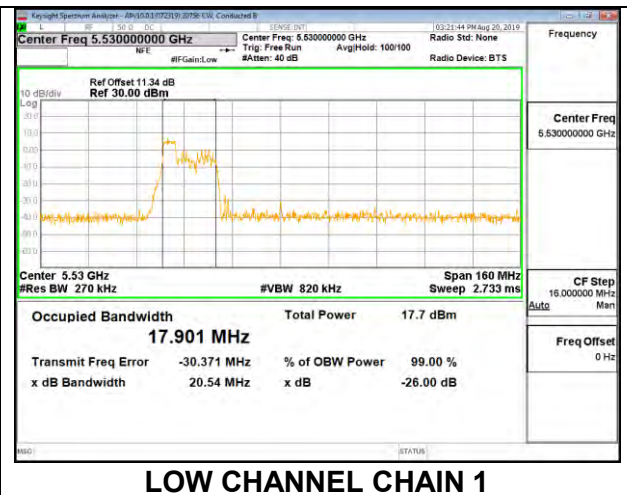
## 106-Tones, RU Index 60



## 52-Tones, RU Index 37

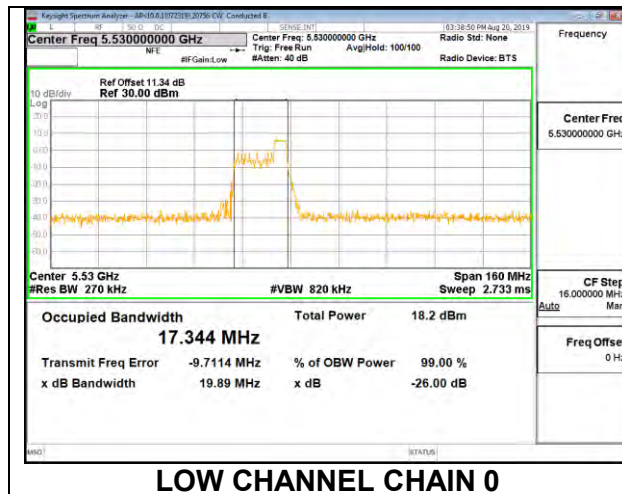


LOW CHANNEL CHAIN 0

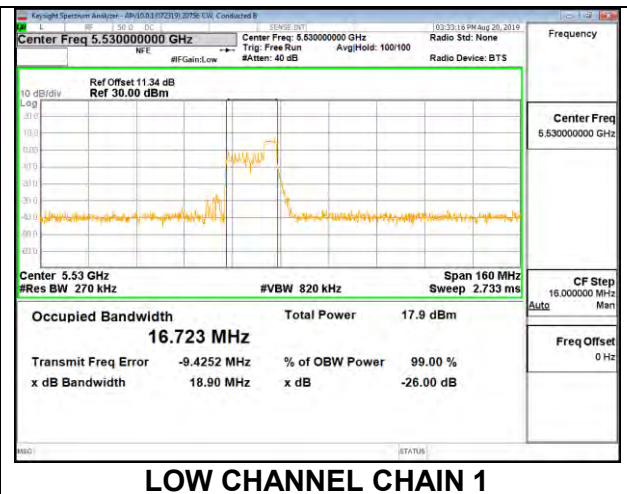


LOW CHANNEL CHAIN 1

## 52-Tones, RU Index 44

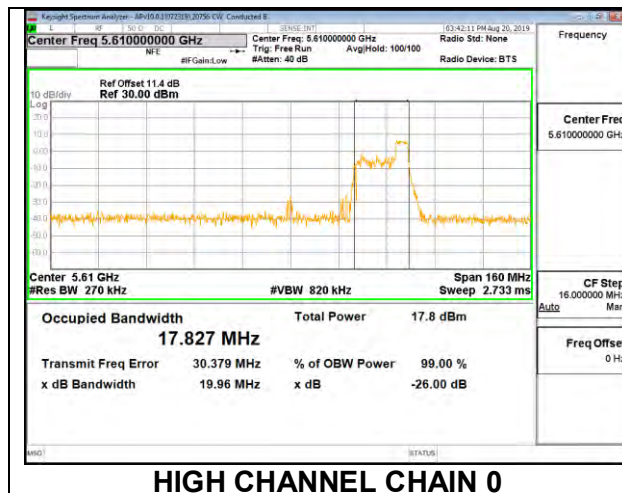


LOW CHANNEL CHAIN 0

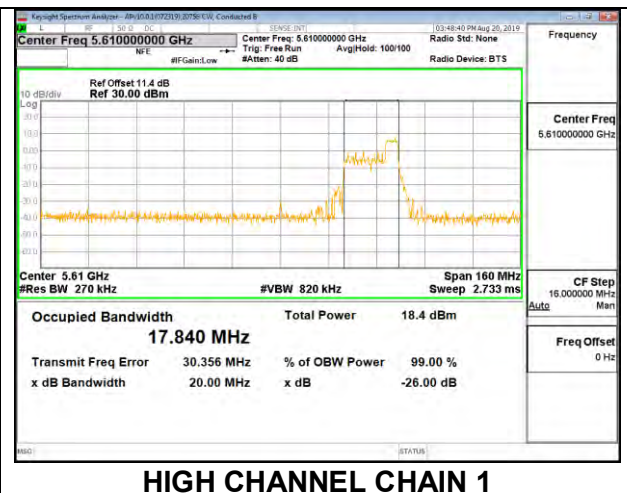


LOW CHANNEL CHAIN 1

## 52-Tones, RU Index 52



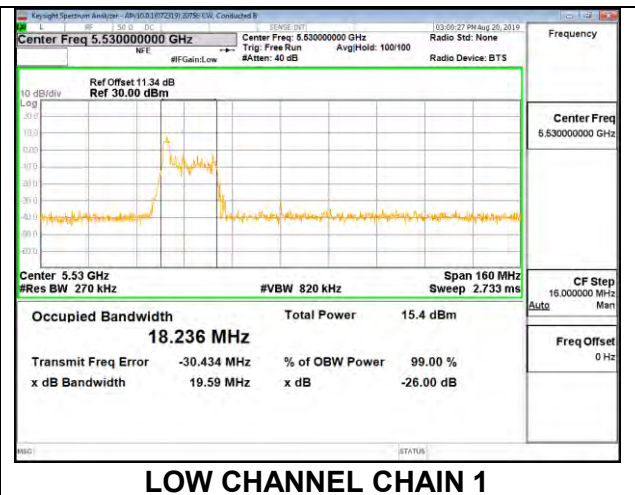
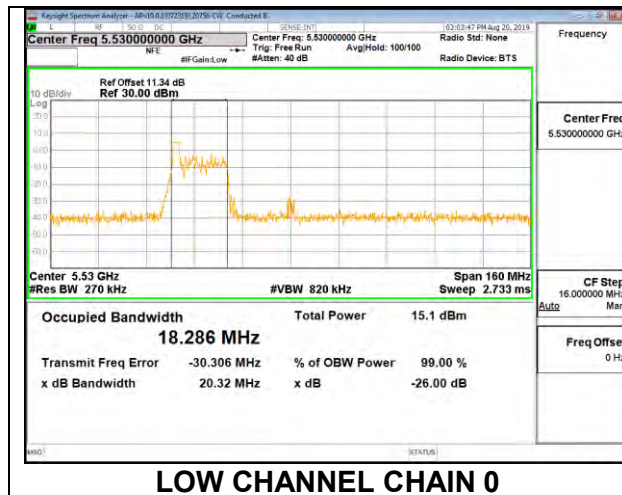
HIGH CHANNEL CHAIN 0



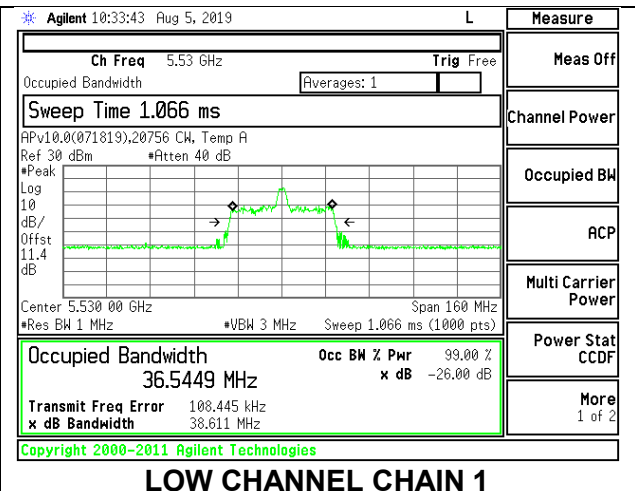
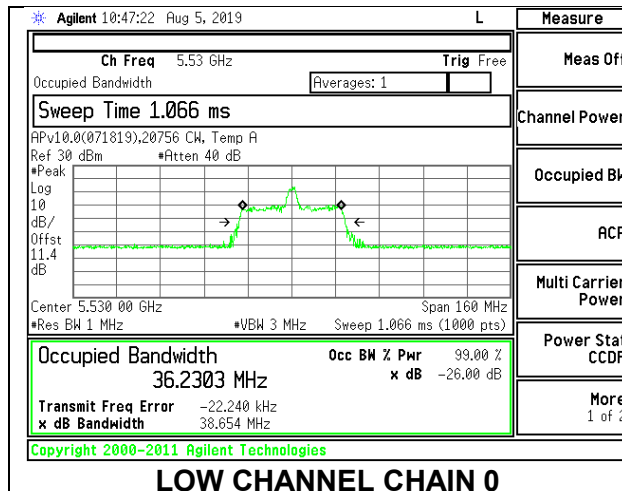
HIGH CHANNEL CHAIN 1



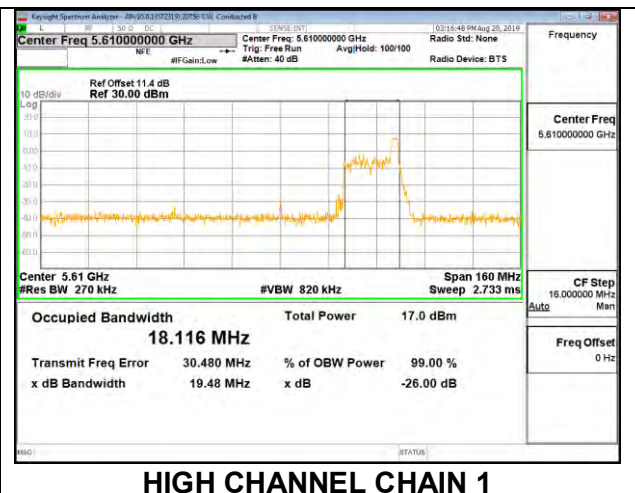
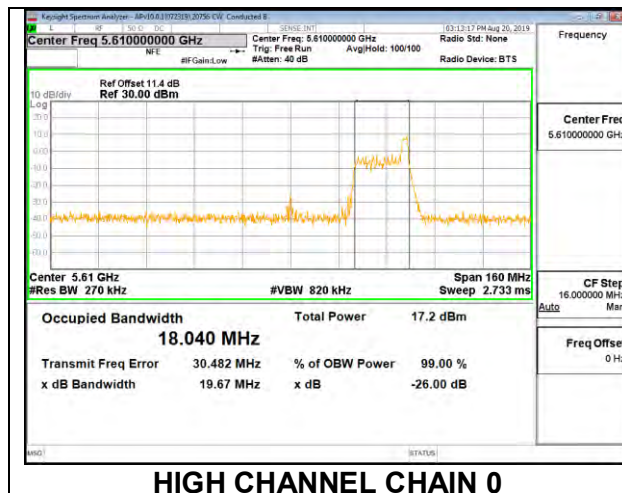
## 26-Tones, RU Index 0



## 26-Tones, RU Index 18



## 26-Tones, RU Index 36



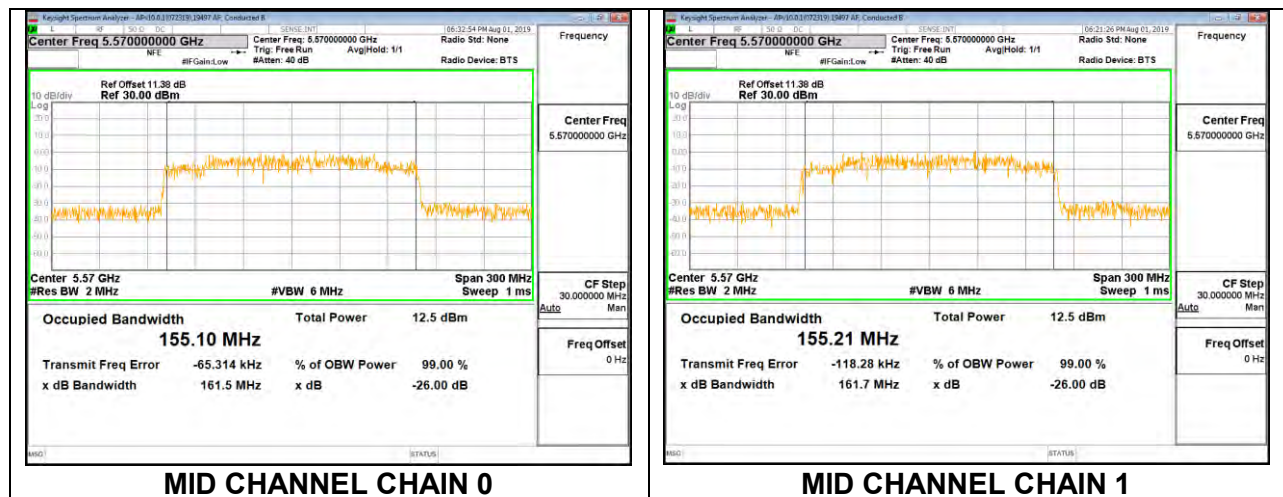
### 8.3.4. 802.11ax HE160 MODE IN THE 5.6 GHz BAND

#### 2TX Chain 0 + Chain 1 OFDMA MODE

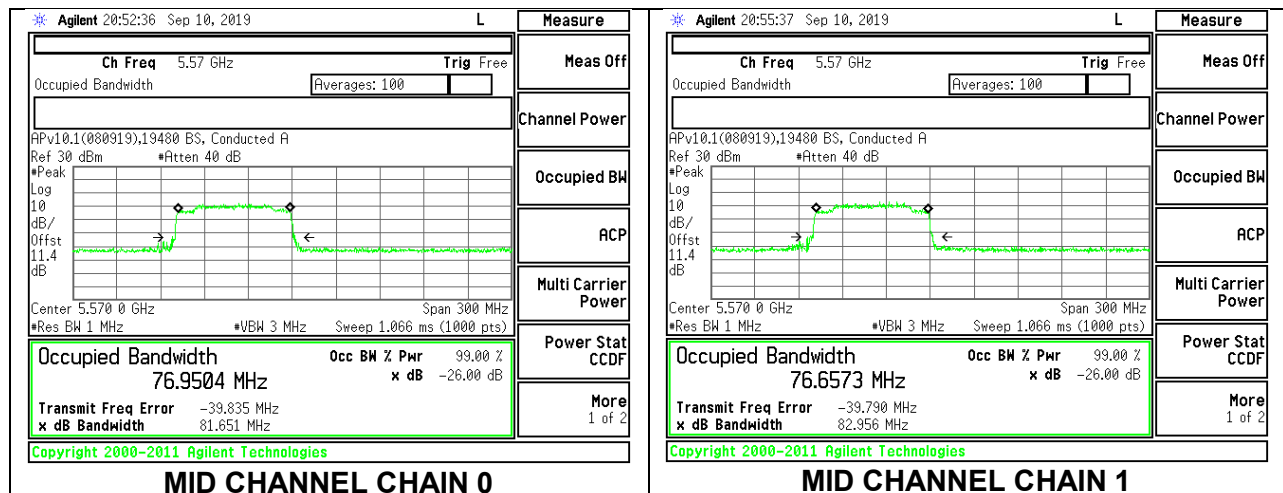
| RU Size<br>(Tones) | RU Index | Channel | Frequency<br>(MHz) | 99% Bandwidth<br>Chain 0<br>(MHz) | 99% Bandwidth<br>Chain 1<br>(MHz) |
|--------------------|----------|---------|--------------------|-----------------------------------|-----------------------------------|
| 2*996T             | 68       | Mid     | 5570               | 155.10                            | 155.21                            |
| 996T               | 67       | Mid     | 5570               | 76.9504                           | 76.6573                           |
|                    | S67      | Mid     | 5570               | 77.0471                           | 77.5171                           |
| 484T               | 65       | Mid     | 5570               | 37.7630                           | 37.7783                           |
|                    | 66       | Mid     | 5570               | 37.8457                           | 37.6899                           |
|                    | S66      | Mid     | 5570               | 37.6123                           | 37.9542                           |
| 242T               | 61       | Mid     | 5570               | 18.958                            | 19.084                            |
|                    | 64       | Mid     | 5570               | 19.051                            | 19.041                            |
|                    | S64      | Mid     | 5570               | 18.867                            | 18.888                            |
| 106T               | 53       | Mid     | 5570               | 17.891                            | 18.057                            |
|                    | 60       | Mid     | 5570               | 18.017                            | 17.326                            |
|                    | S53      | Mid     | 5570               | 18.005                            | 17.930                            |
| 52T                | 37       | Mid     | 5570               | 17.935                            | 18.038                            |
|                    | 52       | Mid     | 5570               | 18.040                            | 17.884                            |
|                    | S52      | Mid     | 5570               | 18.020                            | 18.004                            |
| 26T                | 0        | Mid     | 5570               | 18.243                            | 18.357                            |
|                    | 36       | Mid     | 5570               | 18.123                            | 17.839                            |
|                    | S36      | Mid     | 5570               | 18.246                            | 18.322                            |



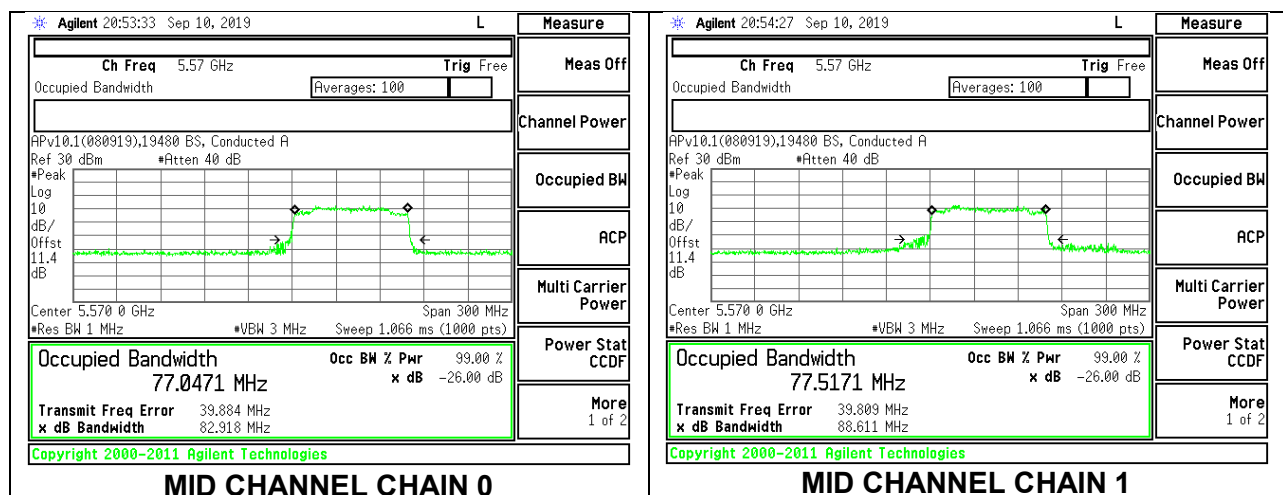
## 2\*996-Tones, RU Index 68



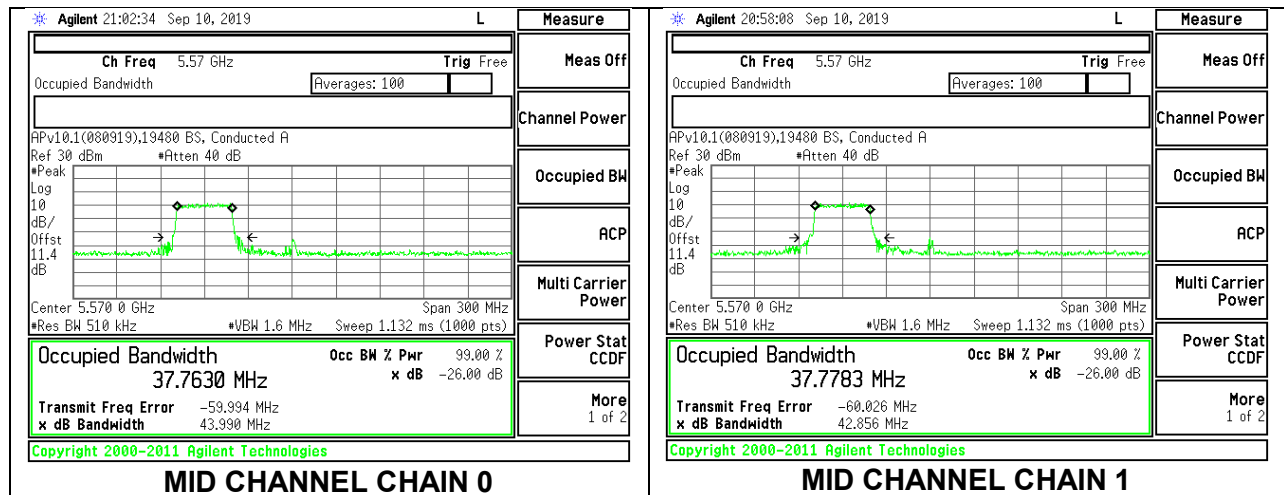
## 996-Tones, RU Index 67



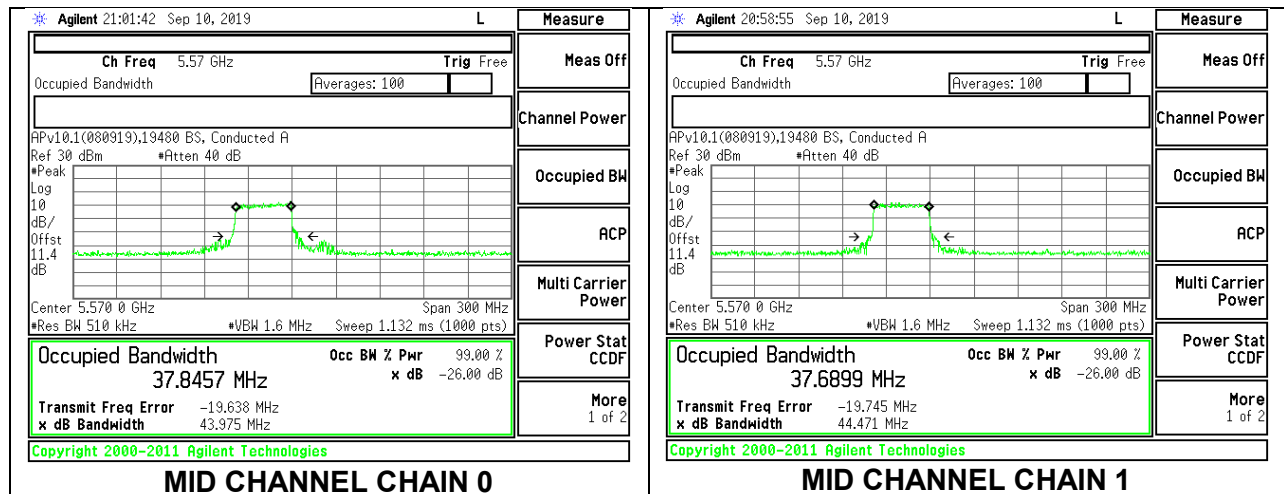
## 996-Tones, RU Index S67



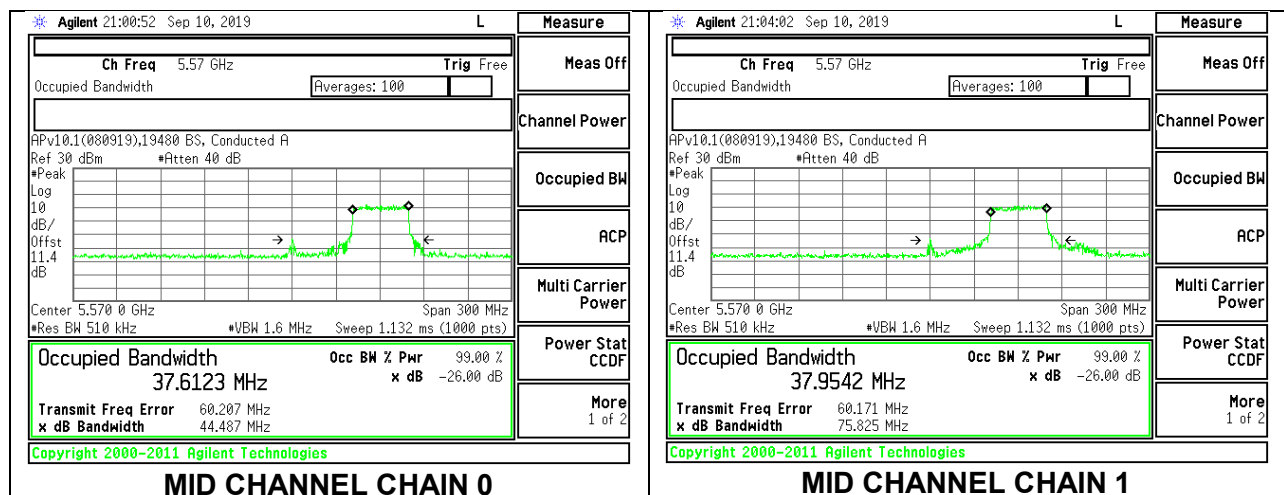
### 484-Tones, RU Index 65



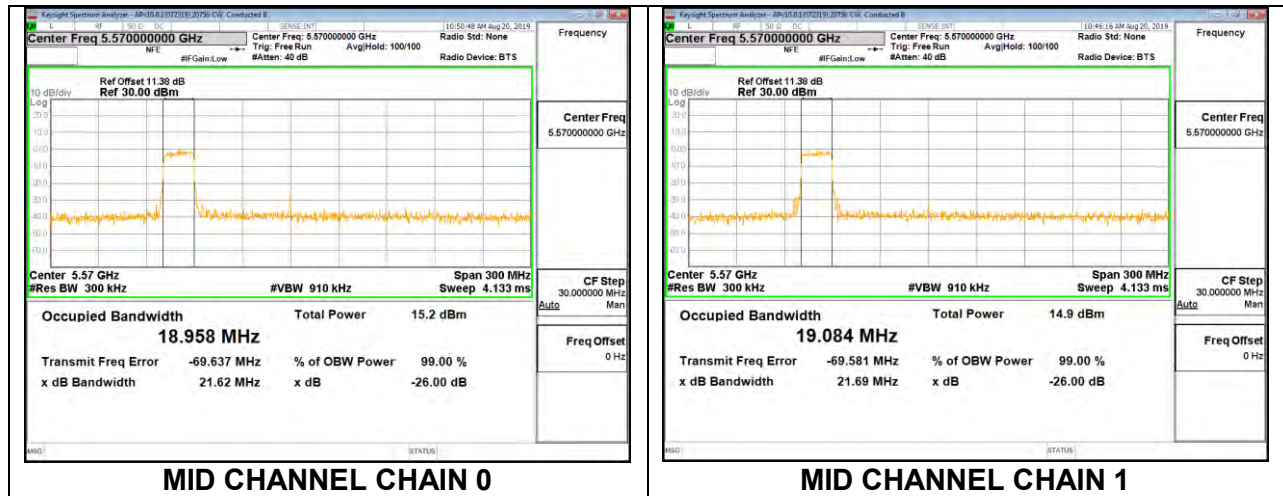
### 484-Tones, RU Index 66



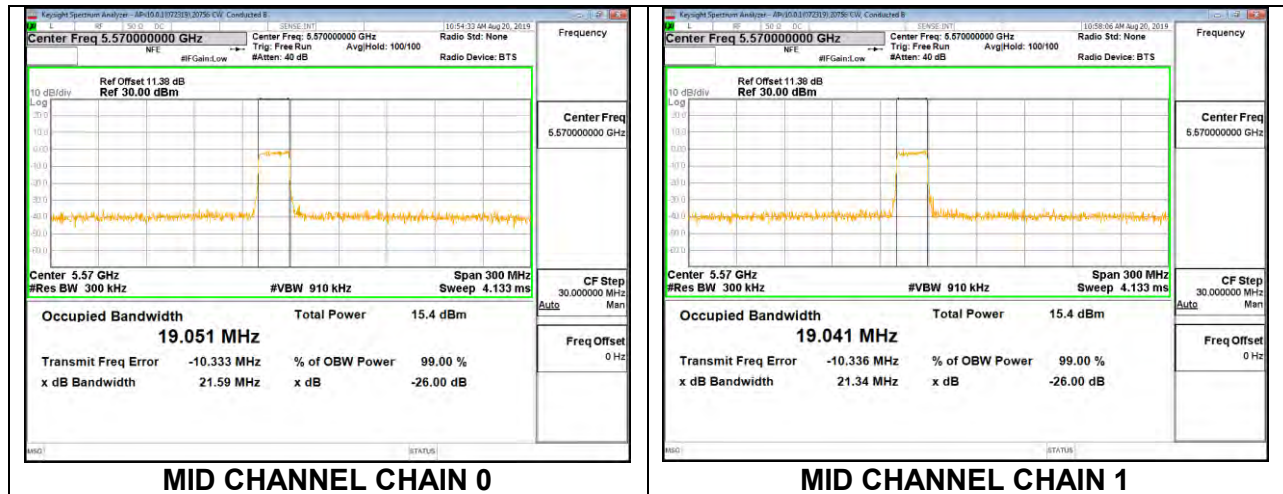
### 484-Tones, RU Index S66



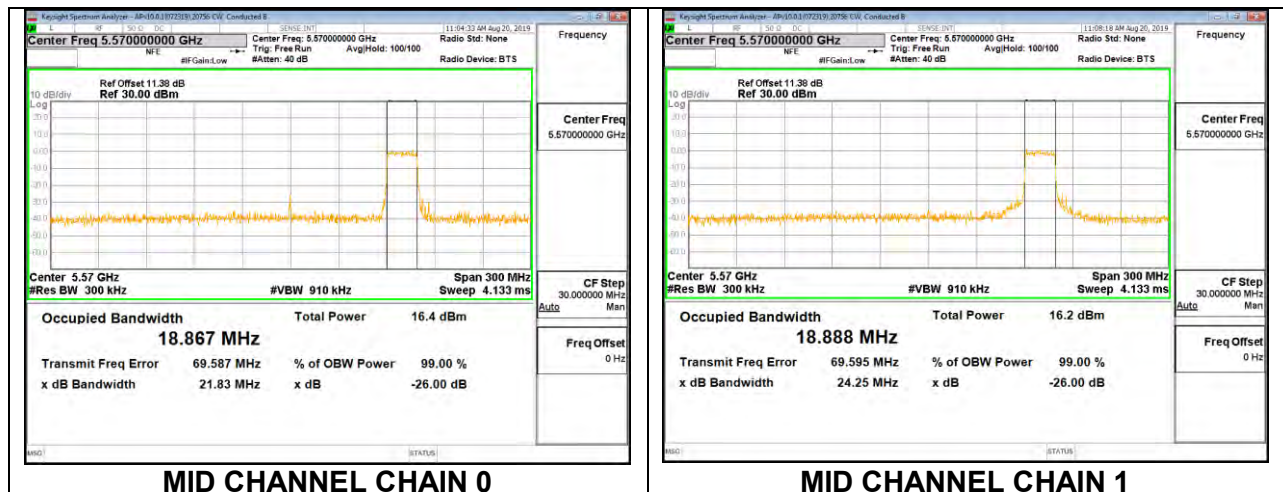
## 242-Tones, RU Index 61



## 242-Tones, RU Index 64

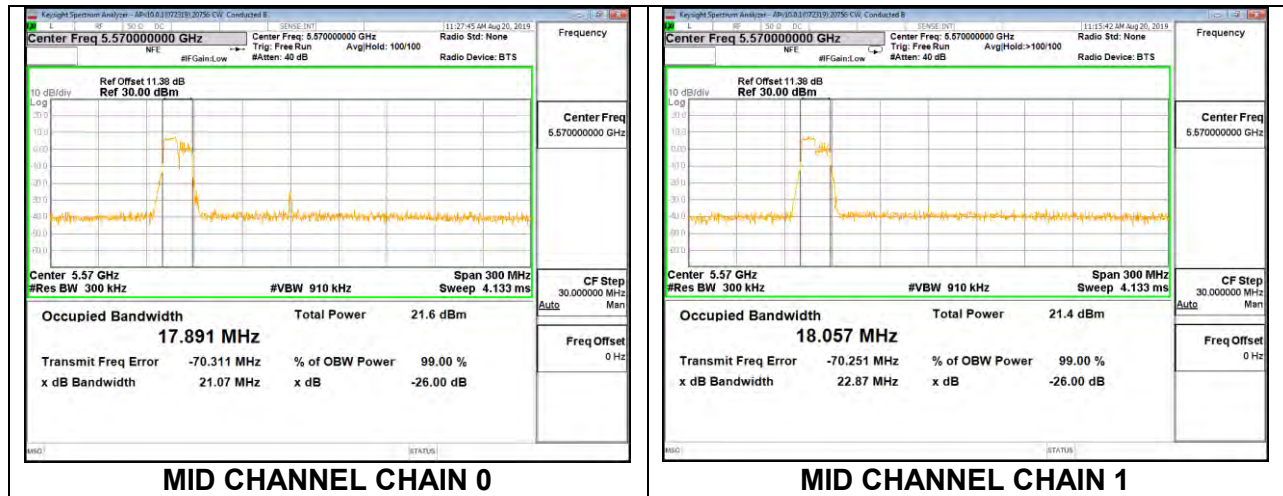


## 242-Tones, RU Index S64

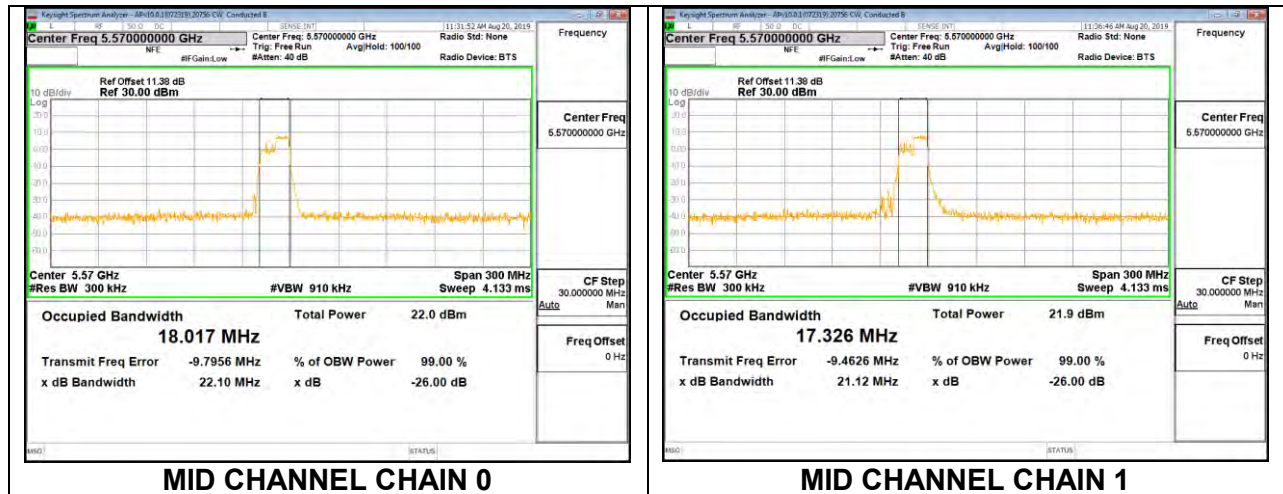




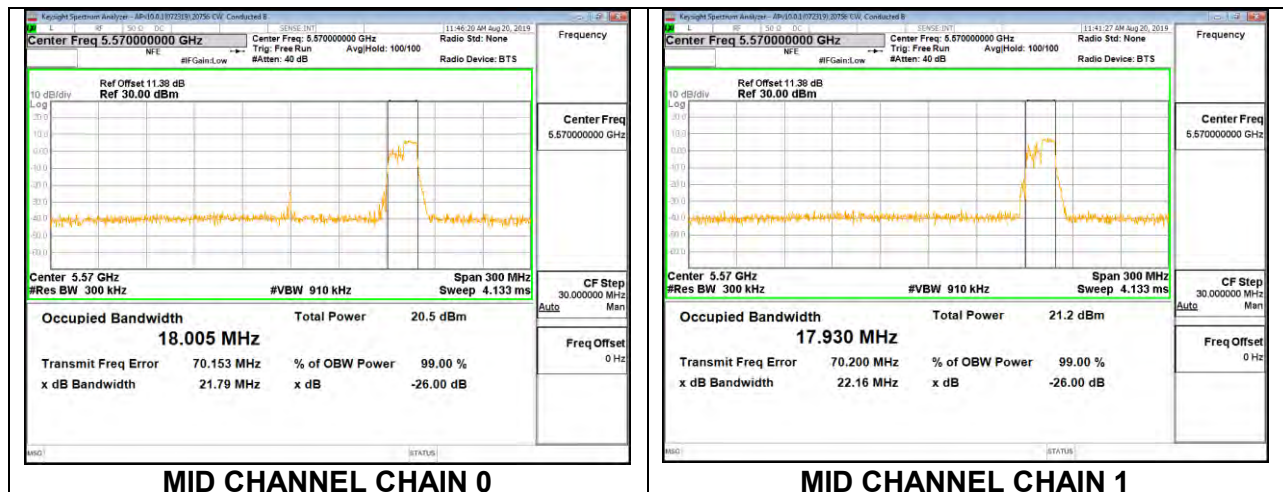
## 106-Tones, RU Index 53



## 106-Tones, RU Index 60

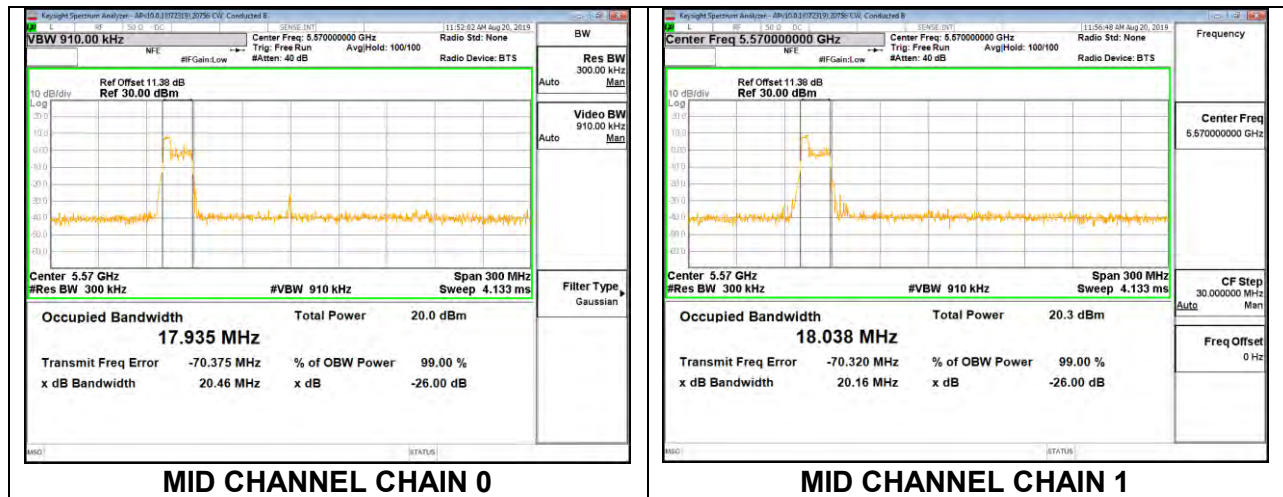


## 106-Tones, RU Index S60

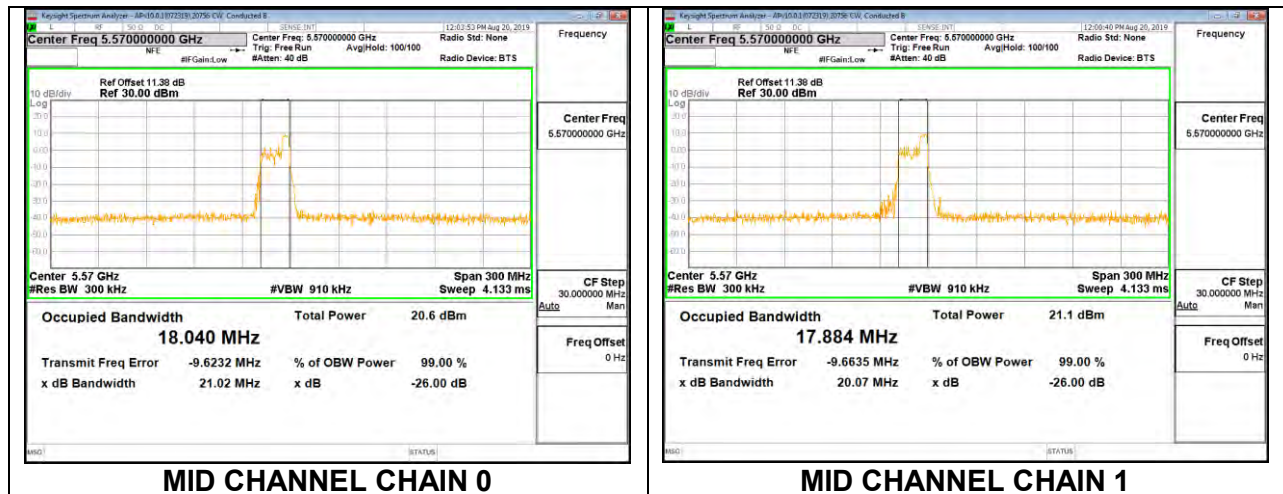




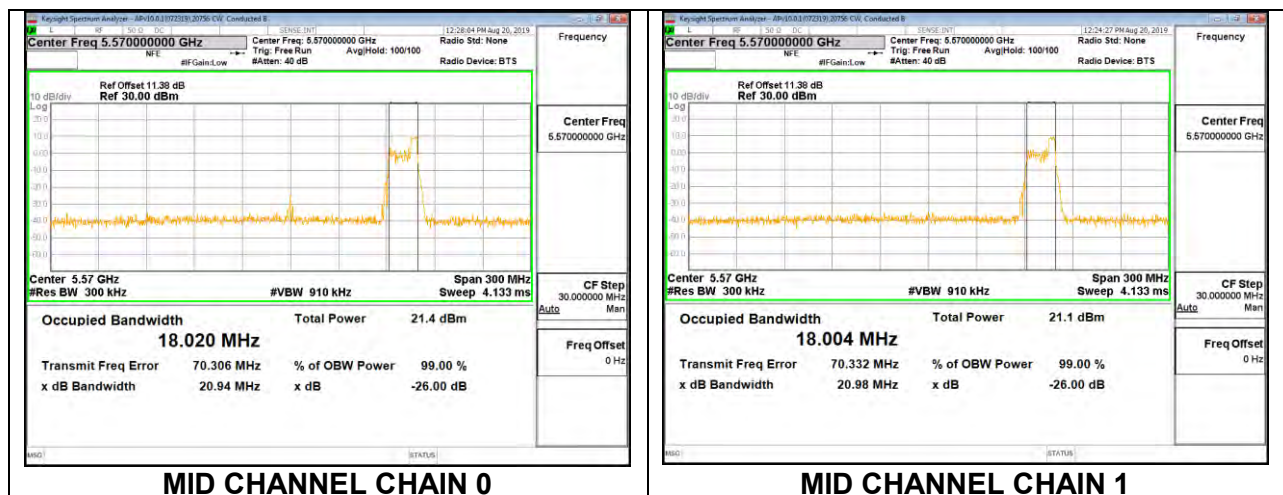
## 52-Tones, RU Index 37



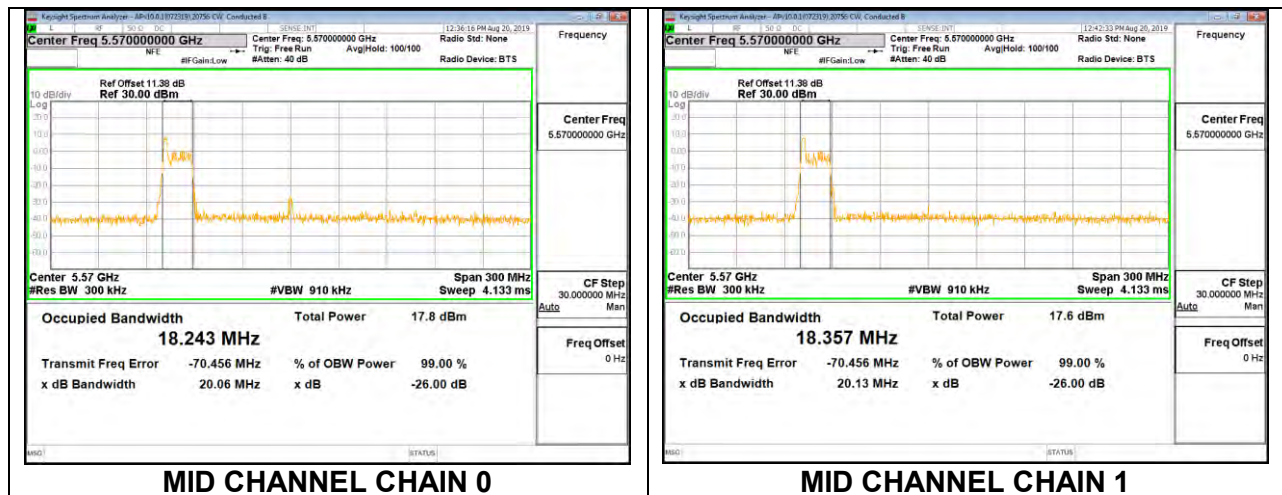
## 52-Tones, RU Index 52



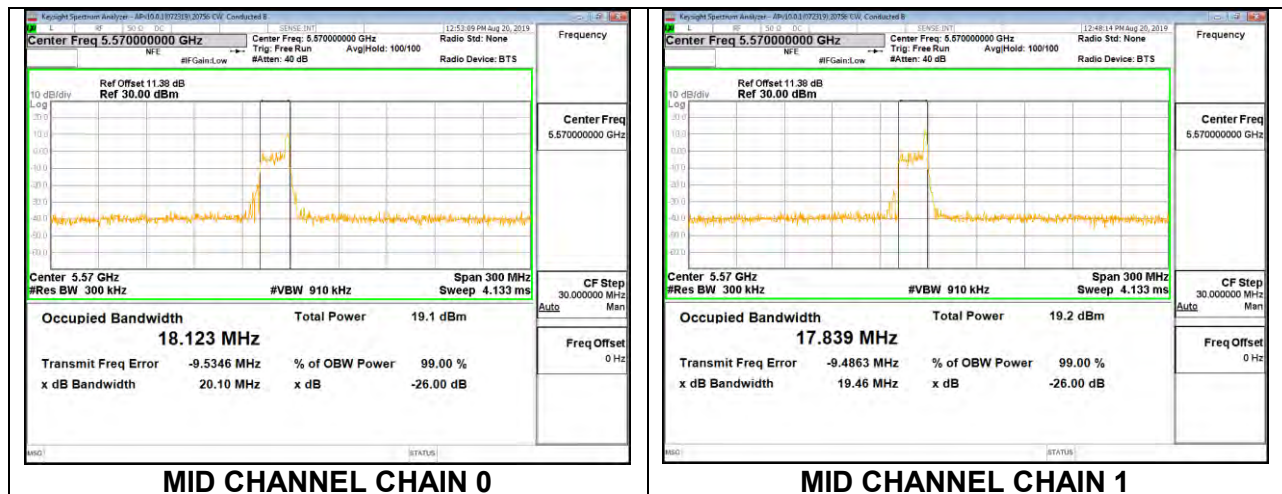
## 52-Tones, RU Index S52



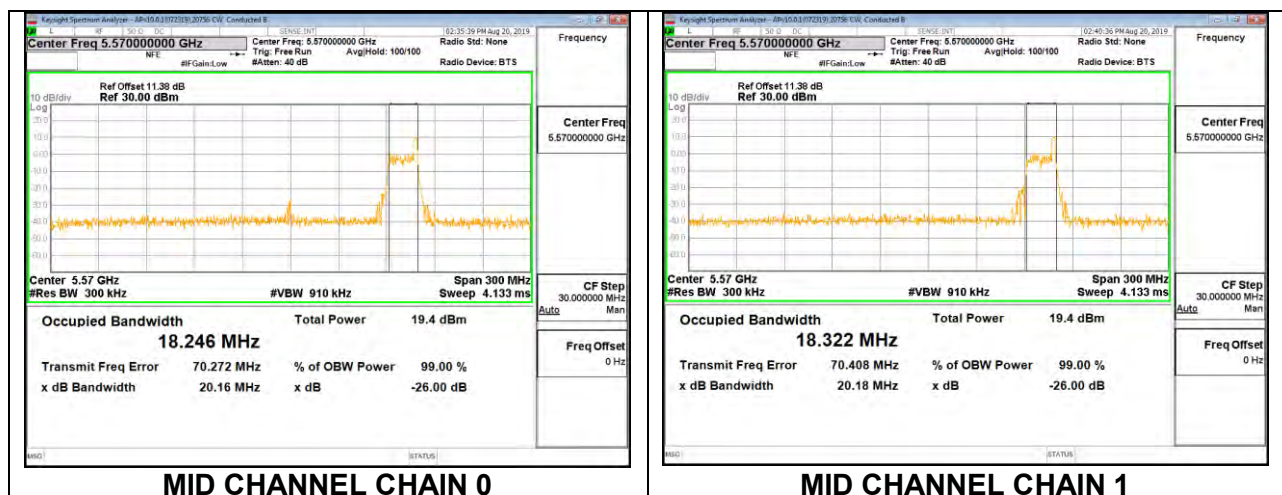
## 26-Tones, RU Index 0



## 26-Tones, RU Index 36



## 26-Tones, RU Index S36



## 8.4. OUTPUT POWER AND PSD

### LIMITS

#### **FCC §15.407**

##### **Band 5.15–5.25 GHz**

For mobile and portable client devices in the 5.15-5.25 GHz band, the maximum conducted output power over the frequency band of operation shall not exceed 250 mW provided the maximum antenna gain does not exceed 6 dBi. In addition, the maximum power spectral density shall not exceed 11 dBm in any 1 megahertz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

##### **Bands 5.25-5.35 GHz and 5.47-5.725 GHz**

The maximum conducted output power over the frequency bands of operation shall not exceed the lesser of 250 mW or  $11 \text{ dBm} + 10 \log B$ , where B is the 26 dB emission bandwidth in megahertz. In addition, the maximum power spectral density shall not exceed 11 dBm in any 1 megahertz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

##### **Band 5.725-5.85 GHz**

The maximum conducted output power over the frequency band of operation shall not exceed 1 W. In addition, the maximum power spectral density shall not exceed 30 dBm in any 500-kHz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi. However, fixed point-to-point U-NII devices operating in this band may employ transmitting antennas with directional gain greater than 6 dBi without any corresponding reduction in transmitter conducted power. Fixed, point-to-point operations exclude the use of point-to-multipoint systems, omnidirectional applications, and multiple collocated transmitters transmitting the same information.



## **RSS-247**

### **Band 5.15-5.25 GHz**

The maximum e.i.r.p. shall not exceed 200 mW or  $10 + 10 \log_{10} B$ , dBm, whichever power is less. B is the 99% emission bandwidth in megahertz. The e.i.r.p. spectral density shall not exceed 10 dBm in any 1.0 MHz band.

### **Band 5.25-5.35 GHz**

The maximum conducted output power shall not exceed 250 mW or  $11 + 10 \log_{10} B$ , dBm, whichever is less. The power spectral density shall not exceed 11 dBm in any 1.0 MHz band.

The maximum e.i.r.p. shall not exceed 1.0 W or  $17 + 10 \log_{10} B$ , dBm, whichever is less. B is the 99% emission bandwidth in megahertz. Note that devices with a maximum e.i.r.p. greater than 500 mW shall implement TPC in order to have the capability to operate at least 6 dB below the maximum permitted e.i.r.p. of 1 W.

### **Bands 5.47-5.6 GHz and 5.65-5.725 GHz**

The maximum conducted output power shall not exceed 250 mW or  $11 + 10 \log_{10} B$ , dBm, whichever is less. The power spectral density shall not exceed 11 dBm in any 1.0 MHz band.

The maximum e.i.r.p. shall not exceed 1.0 W or  $17 + 10 \log_{10} B$ , dBm, whichever is less. B is the 99% emission bandwidth in megahertz. Note that devices with a maximum e.i.r.p. greater than 500 mW shall implement TPC in order to have the capability to operate at least 6 dB below the maximum permitted e.i.r.p. of 1 W.

Note: 160Mhz mode results comparisons to ISED limits are for informational purposes. Canada does not permit transmission in the TDWR band.

### **Band 5.725-5.85 GHz**

The maximum conducted output power shall not exceed 1 W. The power spectral density shall not exceed 30 dBm in any 500 kHz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi. However, fixed point-to-point devices operating in this band may employ transmitting antennas with directional gain greater than 6 dBi without any corresponding reduction in transmitter conducted power. Fixed point-to-point operations exclude the use of point-to-multipoint systems, omnidirectional applications and multiple collocated transmitters transmitting the same information.

## **TEST PROCEDURE**

The measurement method used for output power is KDB 789033 D02 v02r01, Section E.3.b (Method PM-G) and for straddles channels KDB 789033 D02 v02r01, Section E.2.b (Method SA-1) was used.

The measurement method used for power spectral density is KDB 789033 D02 v02r01, Section F

### **DIRECTIONAL ANTENNA GAIN**

For 2 TX:

Tx chains are uncorrelated for power and PSD due to the device supporting SDM in all 11ax MIMO modes. The directional gains are as follows:

| <b>Band<br/>(GHz)</b> | <b>Chain 0<br/>Antenna<br/>Gain<br/>(dBi)</b> | <b>Chain 1<br/>Antenna<br/>Gain<br/>(dBi)</b> | <b>Uncorrelated Chains<br/>Directional<br/>Gain<br/>(dBi)</b> |
|-----------------------|-----------------------------------------------|-----------------------------------------------|---------------------------------------------------------------|
| 5.2                   | 6.00                                          | 3.00                                          | 4.75                                                          |
| 5.3                   | 7.80                                          | 3.50                                          | 6.16                                                          |
| 5.6                   | 8.00                                          | 4.00                                          | 6.45                                                          |
| 5.8                   | 8.30                                          | 4.60                                          | 6.83                                                          |

### **RESULTS**

### 8.4.1. 802.11ax HE20 MODE IN THE 5.6 GHz BAND (FCC+IC)

Note for Straddle Channel: Total power and Highest PSD across the entire channel meets the UNII-2C limits thus UNII-3 limits and therefore compliant.

#### 2TX Chain 0 + Chain 1 SU MODE

##### Bandwidth and Antenna Gain

| Channel | Frequency<br>(MHz) | Min<br>26 dB<br>BW<br>(MHz) | Min<br>99%<br>BW<br>(MHz) | Directional<br>Gain<br>for Power<br>(dBi) | Direction<br>Gain<br>for PSD<br>(dBi) |
|---------|--------------------|-----------------------------|---------------------------|-------------------------------------------|---------------------------------------|
| Low     | 5500               | 24.65                       | 19.060                    | 6.45                                      | 6.45                                  |
| Mid     | 5580               | 24.55                       | 18.983                    | 6.45                                      | 6.45                                  |
| High    | 5700               | 24.65                       | 18.963                    | 6.45                                      | 6.45                                  |
| 144*    | 5720               | 25.05                       | 18.996                    | 6.45                                      | 6.45                                  |

##### Limits

| Channel | Frequency<br>(MHz) | FCC<br>Power<br>Limit<br>(dBm) | ISED<br>Power<br>Limit<br>(dBm) | ISED<br>EIRP<br>Limit<br>(dBm) | Power<br>Limit<br>(dBm) | FCC<br>PSD<br>Limit<br>(dBm/1MHz) | ISED<br>PSD<br>Limit<br>(dBm/1MHz) |
|---------|--------------------|--------------------------------|---------------------------------|--------------------------------|-------------------------|-----------------------------------|------------------------------------|
| Low     | 5500               | 23.55                          | 23.80                           | 29.80                          | 23.35                   | 10.55                             | 11.00                              |
| Mid     | 5580               | 23.55                          | 23.78                           | 29.78                          | 23.33                   | 10.55                             | 11.00                              |
| High    | 5700               | 23.55                          | 23.78                           | 29.78                          | 23.33                   | 10.55                             | 11.00                              |
| 144*    | 5720               | 23.55                          | 23.79                           | 29.79                          | 23.34                   | 10.55                             | 11.00                              |

|                    |      |                                        |
|--------------------|------|----------------------------------------|
| Duty Cycle CF (dB) | 0.00 | Included in Calculations of Corr'd PSD |
|--------------------|------|----------------------------------------|

##### Output Power Results

| Channel | Frequency<br>(MHz) | Chain 0<br>Meas<br>Power<br>(dBm) | Chain 1<br>Meas<br>Power<br>(dBm) | Total<br>Corr'd<br>Power<br>(dBm) | Power<br>Limit<br>(dBm) | Power<br>Margin<br>(dB) |
|---------|--------------------|-----------------------------------|-----------------------------------|-----------------------------------|-------------------------|-------------------------|
| Low     | 5500               | 17.51                             | 17.82                             | 20.68                             | 23.35                   | -2.67                   |
| Mid     | 5580               | 18.31                             | 18.23                             | 21.28                             | 23.33                   | -2.05                   |
| High    | 5700               | 15.49                             | 15.23                             | 18.37                             | 23.33                   | -4.96                   |
| 144*    | 5720               | 18.48                             | 18.43                             | 21.47                             | 23.34                   | -1.87                   |

\*As per the calculation in this formula, Measured total bandwidth(99%) / 2 + 5 MHz, the worst case bandwidth is 14.498 MHz.

Based on the 14.498 MHz bandwidth for the portion that the straddle channel occupies in the UNII-2C band, the calculated worst case power limit is  $17 + 10 \cdot \log(14.498) - 6.45 = 22.16$  dBm. The total signal power is 21.47 dBm which is less than the limit of 22.16 dBm.



**2TX Chain 0 + Chain 1 OFDMA MODE – 242-Tones, RU Index 61**

**Bandwidth and Antenna Gain**

| Channel | Frequency<br>(MHz) | Min<br>26 dB<br>BW<br>(MHz) | Min<br>99%<br>BW<br>(MHz) | Directional<br>Gain<br>for Power<br>(dBi) | Direction<br>Gain<br>for PSD<br>(dBi) |
|---------|--------------------|-----------------------------|---------------------------|-------------------------------------------|---------------------------------------|
| Low     | 5500               | 25.45                       | 18.9321                   | 6.45                                      | 6.45                                  |
| Mid     | 5580               | 25.10                       | 19.0412                   | 6.45                                      | 6.45                                  |
| High    | 5700               | 25.00                       | 18.9954                   | 6.45                                      | 6.45                                  |
| 144*    | 5720               | 24.75                       | 18.9645                   | 6.45                                      | 6.45                                  |

**Limits**

| Channel | Frequency<br>(MHz) | FCC<br>Power<br>Limit<br>(dBm) | ISED<br>Power<br>Limit<br>(dBm) | ISED<br>EIRP<br>Limit<br>(dBm) | Power<br>Limit<br>(dBm) | FCC<br>PSD<br>Limit<br>(dBm/1MHz) | ISED<br>PSD<br>Limit<br>(dBm/1MHz) |
|---------|--------------------|--------------------------------|---------------------------------|--------------------------------|-------------------------|-----------------------------------|------------------------------------|
| Low     | 5500               | 23.55                          | 23.77                           | 29.77                          | 23.32                   | 10.55                             | 11.00                              |
| Mid     | 5580               | 23.55                          | 23.80                           | 29.80                          | 23.35                   | 10.55                             | 11.00                              |
| High    | 5700               | 23.55                          | 23.79                           | 29.79                          | 23.34                   | 10.55                             | 11.00                              |
| 144*    | 5720               | 23.55                          | 23.78                           | 29.78                          | 23.33                   | 10.55                             | 11.00                              |

|                           |      |                                               |
|---------------------------|------|-----------------------------------------------|
| <b>Duty Cycle CF (dB)</b> | 0.00 | <b>Included in Calculations of Corr'd PSD</b> |
|---------------------------|------|-----------------------------------------------|

**Output Power Results**

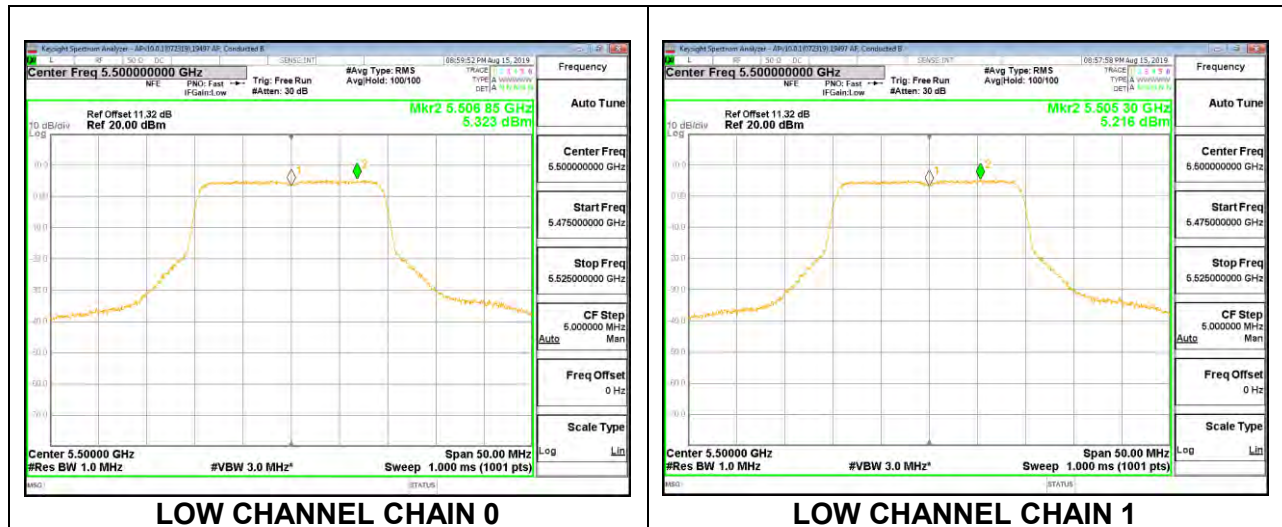
| Channel | Frequency<br>(MHz) | Chain 0<br>Meas<br>Power<br>(dBm) | Chain 1<br>Meas<br>Power<br>(dBm) | Total<br>Corr'd<br>Power<br>(dBm) | Power<br>Limit<br>(dBm) | Power<br>Margin<br>(dB) |
|---------|--------------------|-----------------------------------|-----------------------------------|-----------------------------------|-------------------------|-------------------------|
| Low     | 5500               | 17.80                             | 17.87                             | 20.85                             | 23.32                   | -2.48                   |
| Mid     | 5580               | 18.41                             | 18.27                             | 21.35                             | 23.35                   | -2.00                   |
| High    | 5700               | 15.50                             | 15.37                             | 18.45                             | 23.34                   | -4.89                   |
| 144*    | 5720               | 18.54                             | 18.46                             | 21.51                             | 23.33                   | -1.82                   |

**PSD Results**

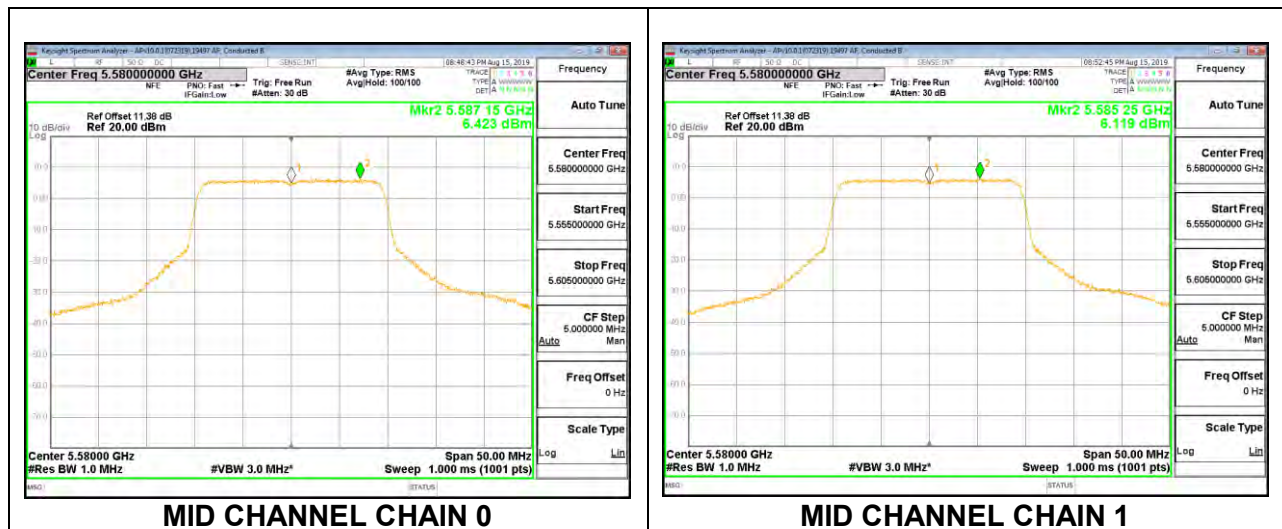
| Channel | Frequency<br>(MHz) | Chain 0<br>Meas<br>PSD<br>(dBm/<br>1MHz) | Chain 1<br>Meas<br>PSD<br>(dBm/<br>1MHz) | Total<br>Corr'd<br>PSD<br>(dBm/<br>1MHz) | PSD<br>Limit<br>(dBm/<br>1MHz) | PSD<br>Margin<br>(dB) |
|---------|--------------------|------------------------------------------|------------------------------------------|------------------------------------------|--------------------------------|-----------------------|
| Low     | 5500               | 5.323                                    | 5.216                                    | 8.280                                    | 10.55                          | -2.27                 |
| Mid     | 5580               | 6.423                                    | 6.119                                    | 9.284                                    | 10.55                          | -1.27                 |
| High    | 5700               | 3.296                                    | 3.424                                    | 6.371                                    | 10.55                          | -4.18                 |
| 144*    | 5720               | 6.465                                    | 6.517                                    | 9.501                                    | 10.55                          | -1.05                 |

\*As per the calculation in this formula, Measured total bandwidth(99%) / 2 + 5 MHz, the worst case bandwidth is 14.4823 MHz.  
Based on the 14.4823 MHz bandwidth for the portion that the straddle channel occupies in the UNII-2C band, the calculated worst case power limit is  $17 + 10 \cdot \log(14.4823) - 6.45 = 22.16$  dBm.  
The total signal power is 21.51 dBm which is less than the limit of 22.16 dBm.

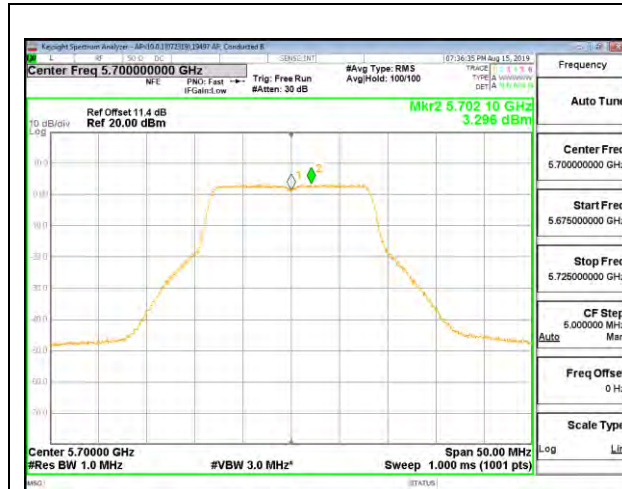
## LOW CHANNEL



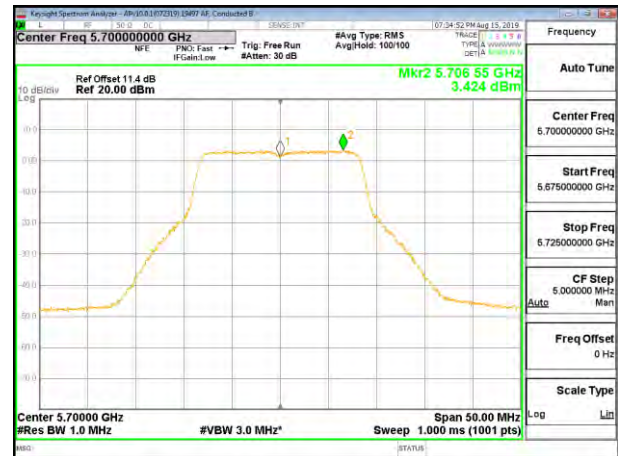
## MID CHANNEL



## HIGH CHANNEL

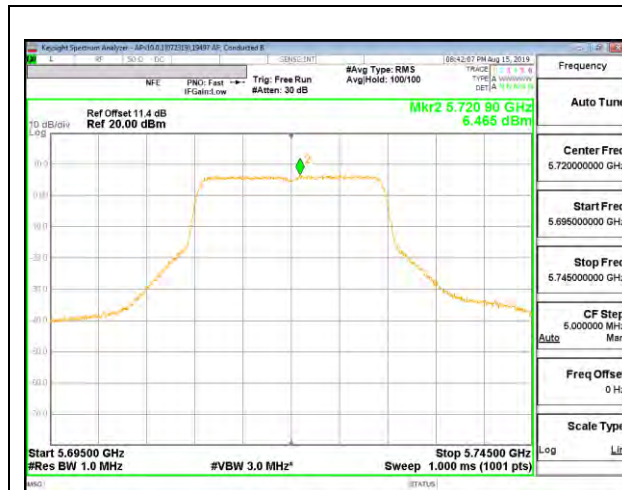


HIGH CHANNEL CHAIN 0



HIGH CHANNEL CHAIN 1

## CHANNEL 144



CHANNEL 144 CHAIN 0



CHANNEL 144 CHAIN 1

## 2TX Chain 0 + Chain 1 OFDMA MODE – 106-Tones

### Bandwidth and Antenna Gain

| Channel / RU Index | Frequency (MHz) | Min 26 dB BW (MHz) | Min 99% BW (MHz) | Directional Gain for Power (dBi) | Directional Gain for PSD (dBi) |
|--------------------|-----------------|--------------------|------------------|----------------------------------|--------------------------------|
| Low / RU53         | 5500            | 22.20              | 18.106           | 6.45                             | 6.45                           |
| Mid / RU53         | 5580            | 20.65              | 17.502           | 6.45                             | 6.45                           |
| High / RU54        | 5700            | 23.25              | 18.3845          | 6.45                             | 6.45                           |
| 144 / RU54*        | 5720            | 22.90              | 18.1732          | 6.45                             | 6.45                           |

### Limits

| Channel / RU Index | Frequency (MHz) | FCC Power Limit (dBm) | ISED Power Limit (dBm) | ISED EIRP Limit (dBm) | Power Limit (dBm) | FCC PSD Limit (dBm/1MHz) | ISED PSD Limit (dBm/1MHz) |
|--------------------|-----------------|-----------------------|------------------------|-----------------------|-------------------|--------------------------|---------------------------|
| Low / RU53         | 5500            | 23.55                 | 23.58                  | 29.58                 | 23.13             | 10.55                    | 11.00                     |
| Mid / RU53         | 5580            | 23.55                 | 23.43                  | 29.43                 | 22.98             | 10.55                    | 11.00                     |
| High / RU54        | 5700            | 23.55                 | 23.64                  | 29.64                 | 23.19             | 10.55                    | 11.00                     |
| 144 / RU54*        | 5720            | 23.55                 | 23.59                  | 29.59                 | 23.14             | 10.55                    | 11.00                     |

|                    |      |                                        |
|--------------------|------|----------------------------------------|
| Duty Cycle CF (dB) | 0.00 | Included in Calculations of Corr'd PSD |
|--------------------|------|----------------------------------------|

### Output Power Results

| Channel / RU Index | Frequency (MHz) | Chain 0 Meas Power (dBm) | Chain 1 Meas Power (dBm) | Total Corr'd Power (dBm) | Power Limit (dBm) | Power Margin (dB) |
|--------------------|-----------------|--------------------------|--------------------------|--------------------------|-------------------|-------------------|
| Low / RU53         | 5500            | 16.76                    | 17.00                    | 19.89                    | 23.13             | -3.24             |
| Mid / RU53         | 5580            | 17.58                    | 17.60                    | 20.60                    | 22.98             | -2.38             |
| High / RU54        | 5700            | 16.51                    | 16.32                    | 19.43                    | 23.19             | -3.77             |
| 144 / RU54*        | 5720            | 16.83                    | 16.66                    | 19.76                    | 23.14             | -3.39             |

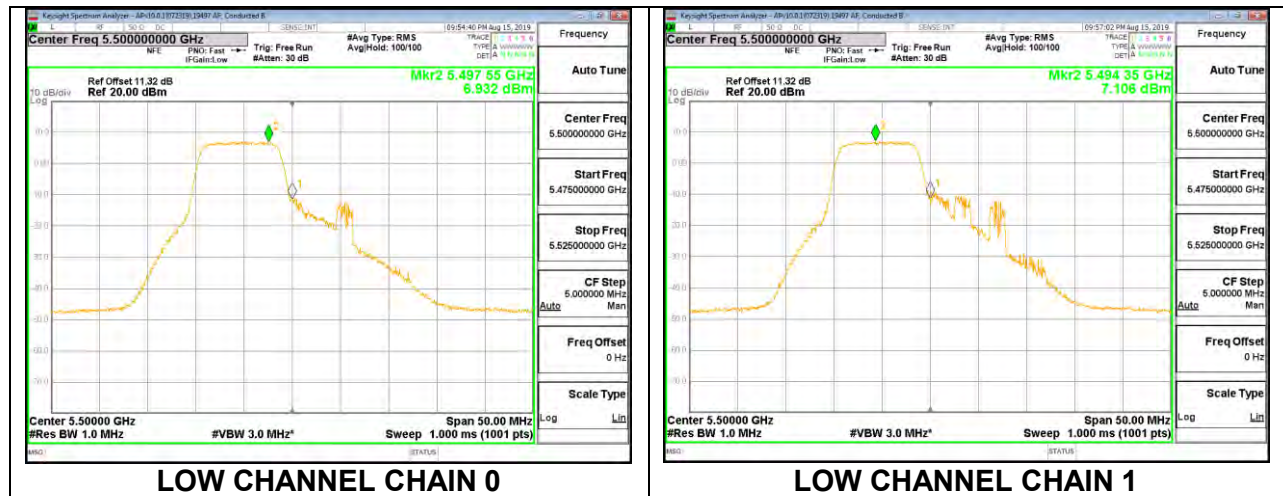
### PSD Results

| Channel / RU Index | Frequency (MHz) | Chain 0 Meas PSD (dBm/1MHz) | Chain 1 Meas PSD (dBm/1MHz) | Total Corr'd PSD (dBm/1MHz) | PSD Limit (dBm/1MHz) | PSD Margin (dB) |
|--------------------|-----------------|-----------------------------|-----------------------------|-----------------------------|----------------------|-----------------|
| Low / RU53         | 5500            | 6.932                       | 7.106                       | 10.030                      | 10.55                | -0.52           |
| Mid / RU53         | 5580            | 6.902                       | 7.066                       | 9.995                       | 10.55                | -0.55           |
| High / RU54        | 5700            | 6.893                       | 6.791                       | 9.853                       | 10.55                | -0.70           |
| 144 / RU54*        | 5720            | 6.570                       | 6.583                       | 9.587                       | 10.55                | -0.96           |

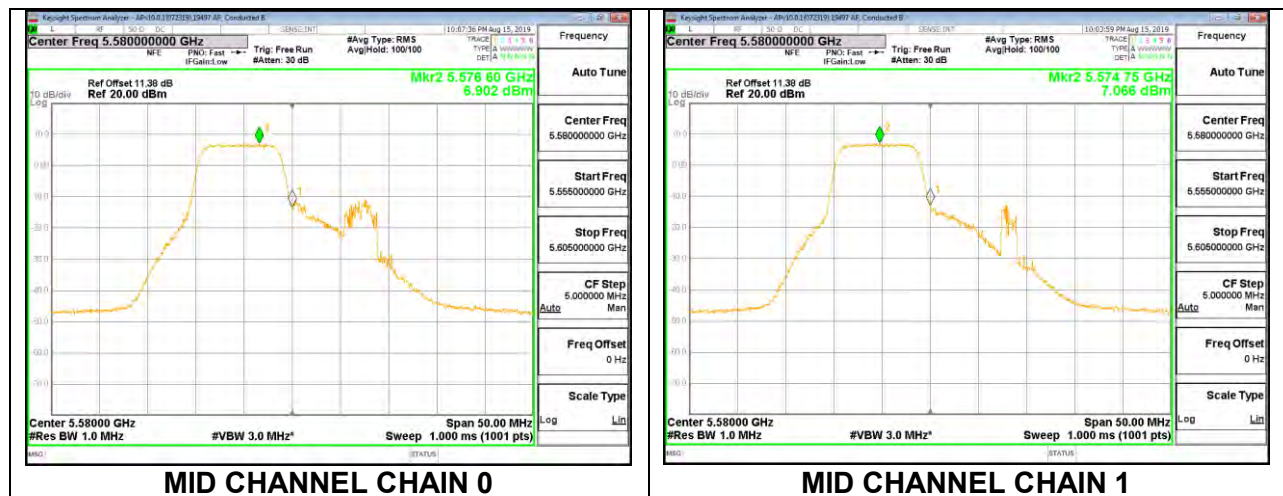


\*As per the calculation in this formula, Measured total bandwidth(99%) / 2 + 5 MHz, the worst case bandwidth is 14.0866 MHz.  
Based on the 14.0866 MHz bandwidth for the portion that the straddle channel occupies in the UNII-2C band, the calculated worst case power limit is  $17 + 10 \cdot \log(14.0866) - 6.45 = 22.04$  dBm.  
The total signal power is 19.76 dBm which is less than the limit of 22.04 dBm.

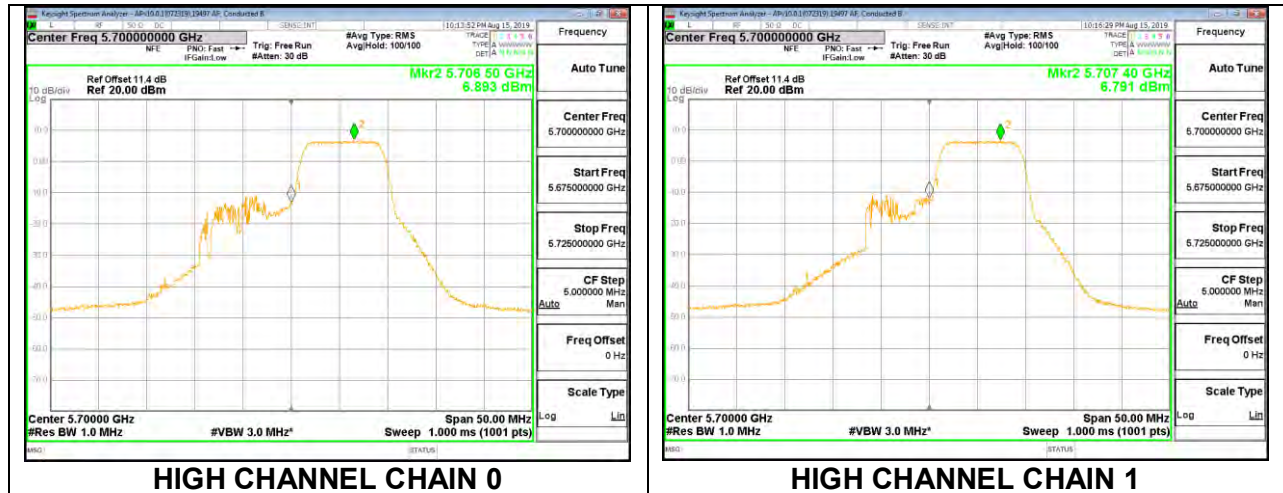
### RU Index 53



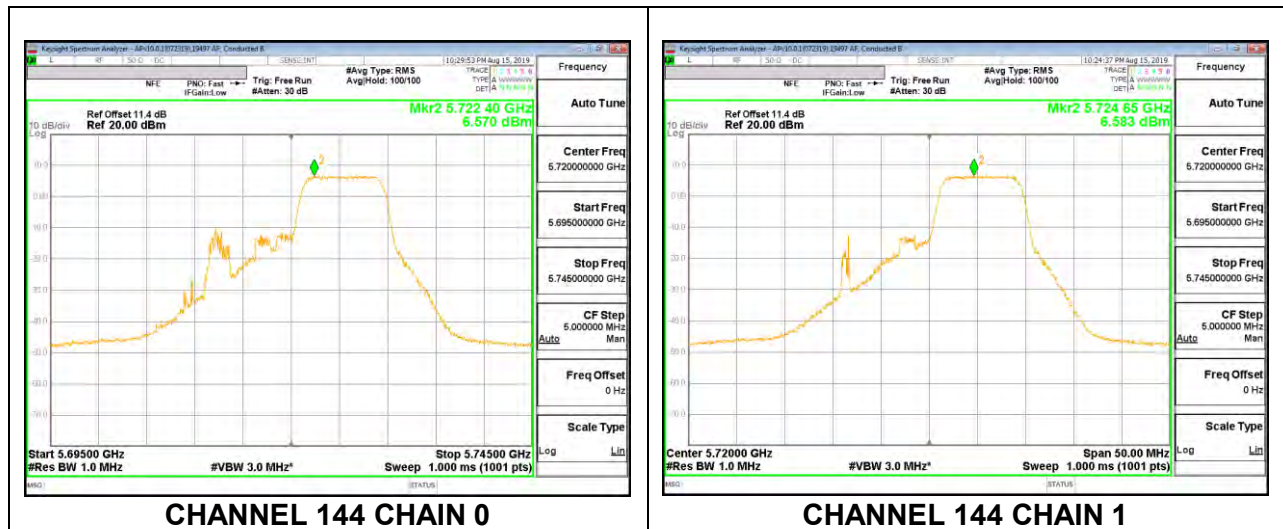
### RU Index 53



## RU Index 54



## RU Index 54



## 2TX Chain 0 + Chain 1 OFDMA MODE – 52-Tones

### Bandwidth and Antenna Gain

| Channel /<br>RU Index | Frequency<br><br>(MHz) | Min<br>26 dB<br>BW<br>(MHz) | Min<br>99%<br>BW<br>(MHz) | Directional<br>Gain<br>for Power<br>(dBi) | Direction<br>Gain<br>for PSD<br>(dBi) |
|-----------------------|------------------------|-----------------------------|---------------------------|-------------------------------------------|---------------------------------------|
| Low / RU37            | 5500                   | 21.10                       | 17.989                    | 6.45                                      | 6.45                                  |
| Mid / RU38            | 5580                   | 19.50                       | 16.8914                   | 6.45                                      | 6.45                                  |
| High / RU40           | 5700                   | 20.15                       | 18.0430                   | 6.45                                      | 6.45                                  |
| 144 / RU40*           | 5720                   | 20.45                       | 18.1883                   | 6.45                                      | 6.45                                  |

### Limits

| Channel /<br>RU Index | Frequency<br><br>(MHz) | FCC<br>Power<br>Limit<br>(dBm) | ISED<br>Power<br>Limit<br>(dBm) | ISED<br>EIRP<br>Limit<br>(dBm) | Power<br>Limit<br>(dBm) | FCC<br>PSD<br>Limit<br>(dBm/1MHz) | ISED<br>PSD<br>Limit<br>(dBm/1MHz) |
|-----------------------|------------------------|--------------------------------|---------------------------------|--------------------------------|-------------------------|-----------------------------------|------------------------------------|
| Low / RU37            | 5500                   | 23.55                          | 23.55                           | 29.55                          | 23.10                   | 10.55                             | 11.00                              |
| Mid / RU38            | 5580                   | 23.45                          | 23.28                           | 29.28                          | 22.83                   | 10.55                             | 11.00                              |
| High / RU40           | 5700                   | 23.55                          | 23.56                           | 29.56                          | 23.11                   | 10.55                             | 11.00                              |
| 144 / RU40*           | 5720                   | 23.55                          | 23.60                           | 29.60                          | 23.15                   | 10.55                             | 11.00                              |

|                    |      |                                        |
|--------------------|------|----------------------------------------|
| Duty Cycle CF (dB) | 0.00 | Included in Calculations of Corr'd PSD |
|--------------------|------|----------------------------------------|

### Output Power Results

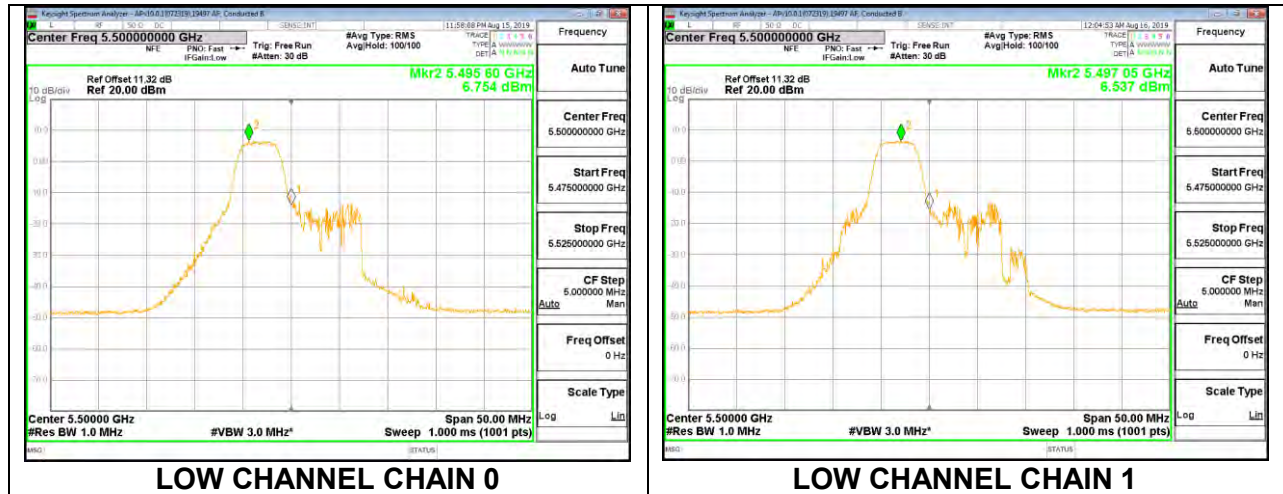
| Channel /<br>RU Index | Frequency<br><br>(MHz) | Chain 0<br>Meas<br>Power<br>(dBm) | Chain 1<br>Meas<br>Power<br>(dBm) | Total<br>Corr'd<br>Power<br>(dBm) | Power<br>Limit<br>(dBm) | Power<br>Margin<br>(dB) |
|-----------------------|------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-------------------------|-------------------------|
| Low / RU37            | 5500                   | 14.42                             | 14.20                             | 17.32                             | 23.10                   | -5.78                   |
| Mid / RU38            | 5580                   | 14.90                             | 14.75                             | 17.84                             | 22.83                   | -4.99                   |
| High / RU40           | 5700                   | 14.41                             | 14.28                             | 17.36                             | 23.11                   | -5.76                   |
| 144 / RU40*           | 5720                   | 13.75                             | 13.80                             | 16.79                             | 23.15                   | -6.36                   |

### PSD Results

| Channel /<br>RU Index | Frequency<br><br>(MHz) | Chain 0<br>Meas<br>PSD<br>(dBm/<br>1MHz) | Chain 1<br>Meas<br>PSD<br>(dBm/<br>1MHz) | Total<br>Corr'd<br>PSD<br>(dBm/<br>1MHz) | PSD<br>Limit<br>(dBm/<br>1MHz) | PSD<br>Margin<br>(dB) |
|-----------------------|------------------------|------------------------------------------|------------------------------------------|------------------------------------------|--------------------------------|-----------------------|
| Low / RU37            | 5500                   | 6.754                                    | 6.537                                    | 9.657                                    | 10.55                          | -0.89                 |
| Mid / RU38            | 5580                   | 7.013                                    | 6.774                                    | 9.905                                    | 10.55                          | -0.64                 |
| High / RU40           | 5700                   | 7.146                                    | 6.562                                    | 9.874                                    | 10.55                          | -0.68                 |
| 144 / RU40*           | 5720                   | 6.850                                    | 7.156                                    | 10.016                                   | 10.55                          | -0.53                 |

\*As per the calculation in this formula, Measured total bandwidth(99%) / 2 + 5 MHz, the worst case bandwidth is 14.0942 MHz.  
Based on the 14.0942 MHz bandwidth for the portion that the straddle channel occupies in the UNII-2C band, the calculated worst case power limit is  $17 + 10 \cdot \log(14.0942) - 6.45 = 22.04$  dBm.  
The total signal power is 16.79 dBm which is less than the limit of 22.04 dBm.

### RU Index 37

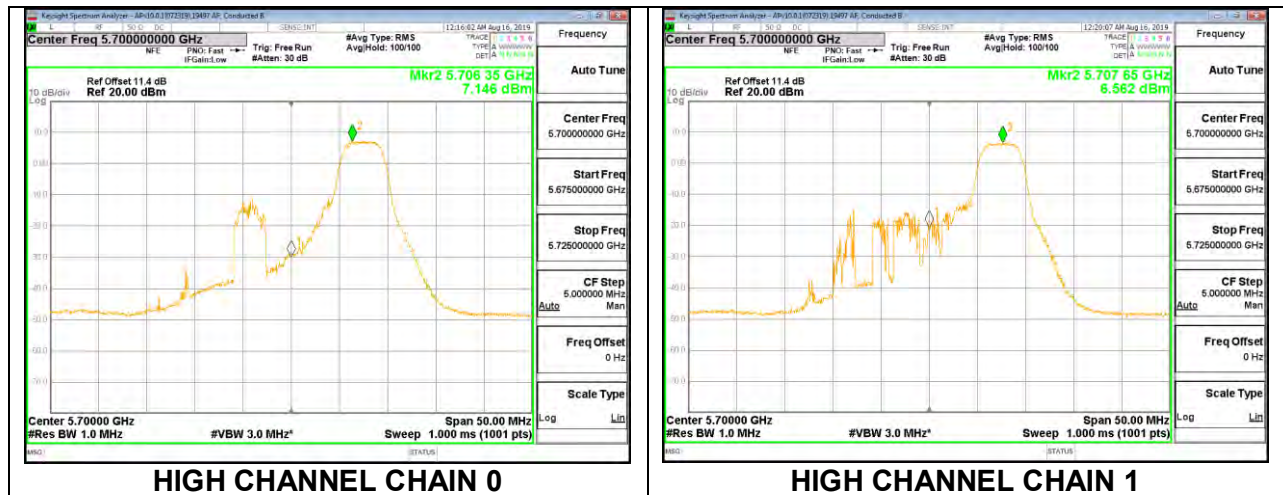


### RU Index 38

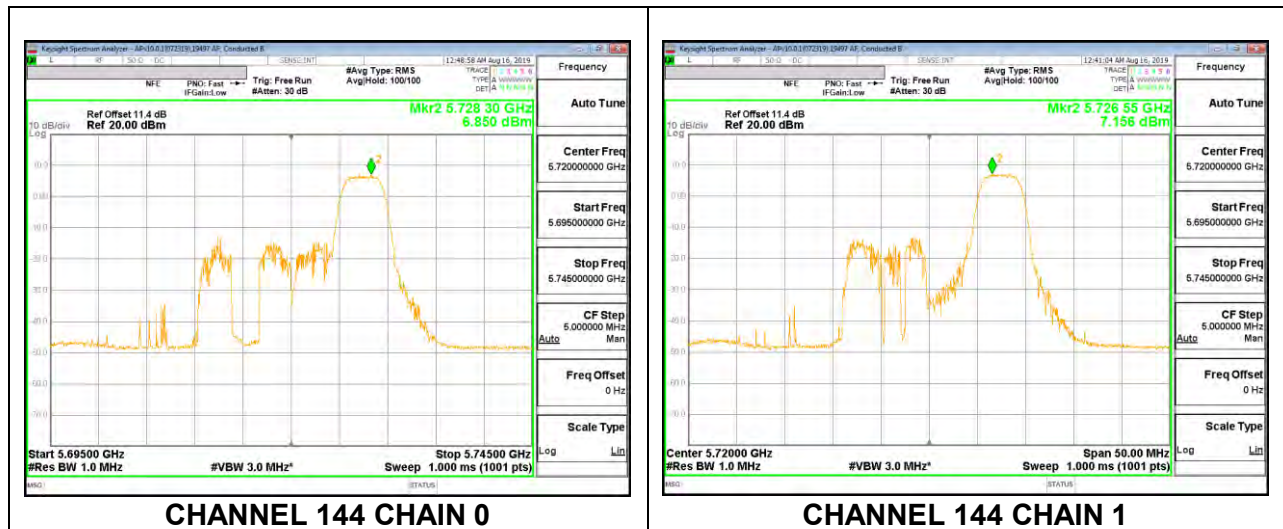




## RU Index 40



## RU Index 40



## 2TX Chain 0 + Chain 1 OFDMA MODE – 26-Tones

### Bandwidth and Antenna Gain

| Channel / RU Index | Frequency (MHz) | Min 26 dB BW (MHz) | Min 99% BW (MHz) | Directional Gain for Power (dBi) | Directional Gain for PSD (dBi) |
|--------------------|-----------------|--------------------|------------------|----------------------------------|--------------------------------|
| Low / RU0          | 5500            | 20.40              | 18.5769          | 6.45                             | 6.45                           |
| Mid / RU4          | 5580            | 18.25              | 18.8376          | 6.45                             | 6.45                           |
| High / RU8         | 5700            | 19.95              | 18.3845          | 6.45                             | 6.45                           |
| 144 / RU8*         | 5720            | 20.35              | 18.4001          | 6.45                             | 6.45                           |

### Limits

| Channel / RU Index | Frequency (MHz) | FCC Power Limit (dBm) | ISED Power Limit (dBm) | ISED EIRP Limit (dBm) | Power Limit (dBm) | FCC PSD Limit (dBm/1MHz) | ISED PSD Limit (dBm/1MHz) |
|--------------------|-----------------|-----------------------|------------------------|-----------------------|-------------------|--------------------------|---------------------------|
| Low / RU0          | 5500            | 23.55                 | 23.69                  | 29.69                 | 23.24             | 10.55                    | 11.00                     |
| Mid / RU4          | 5580            | 23.16                 | 23.75                  | 29.75                 | 23.16             | 10.55                    | 11.00                     |
| High / RU8         | 5700            | 23.55                 | 23.64                  | 29.64                 | 23.19             | 10.55                    | 11.00                     |
| 144 / RU8*         | 5720            | 23.55                 | 23.65                  | 29.65                 | 23.20             | 10.55                    | 11.00                     |

|                    |      |                                        |
|--------------------|------|----------------------------------------|
| Duty Cycle CF (dB) | 0.00 | Included in Calculations of Corr'd PSD |
|--------------------|------|----------------------------------------|

### Output Power Results

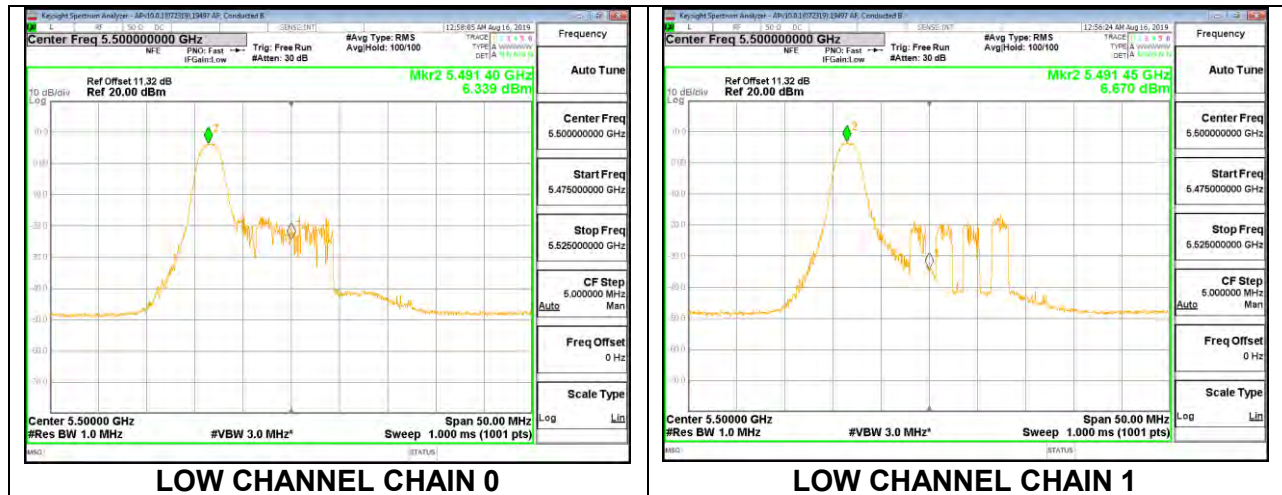
| Channel / RU Index | Frequency (MHz) | Chain 0 Meas Power (dBm) | Chain 1 Meas Power (dBm) | Total Corr'd Power (dBm) | Power Limit (dBm) | Power Margin (dB) |
|--------------------|-----------------|--------------------------|--------------------------|--------------------------|-------------------|-------------------|
| Low / RU0          | 5500            | 10.85                    | 10.42                    | 13.65                    | 23.24             | -9.59             |
| Mid / RU4          | 5580            | 11.05                    | 10.65                    | 13.86                    | 23.16             | -9.30             |
| High / RU8         | 5700            | 11.05                    | 10.54                    | 13.81                    | 23.19             | -9.38             |
| 144 / RU8*         | 5720            | 11.11                    | 10.62                    | 13.88                    | 23.20             | -9.32             |

### PSD Results

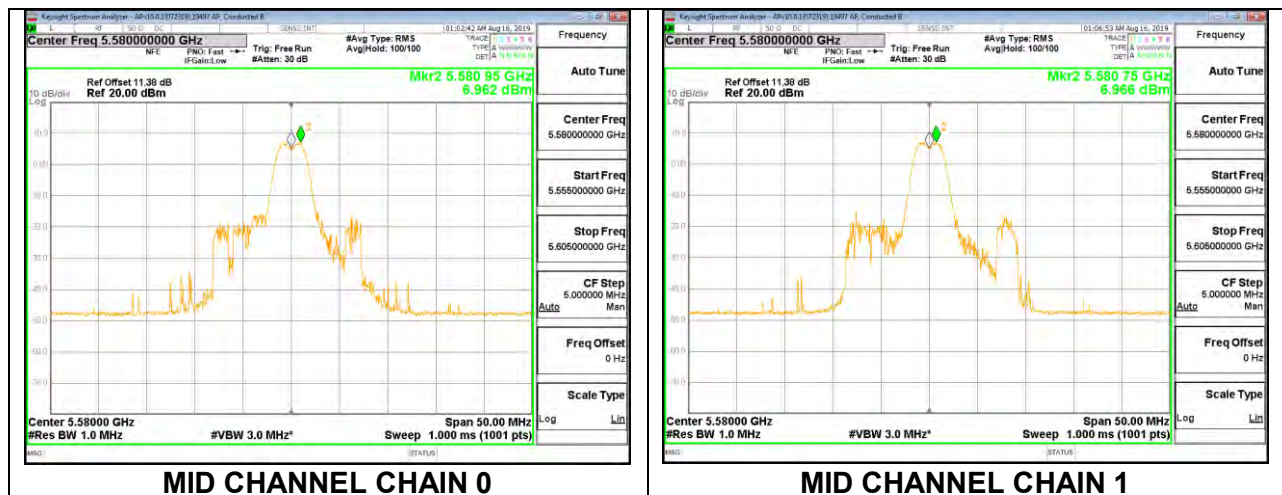
| Channel / RU Index | Frequency (MHz) | Chain 0 Meas PSD (dBm/1MHz) | Chain 1 Meas PSD (dBm/1MHz) | Total Corr'd PSD (dBm/1MHz) | PSD Limit (dBm/1MHz) | PSD Margin (dB) |
|--------------------|-----------------|-----------------------------|-----------------------------|-----------------------------|----------------------|-----------------|
| Low / RU0          | 5500            | 6.339                       | 6.670                       | 9.518                       | 10.55                | -1.03           |
| Mid / RU4          | 5580            | 6.962                       | 6.966                       | 9.974                       | 10.55                | -0.58           |
| High / RU8         | 5700            | 6.978                       | 7.030                       | 10.014                      | 10.55                | -0.54           |
| 144 / RU8*         | 5720            | 7.216                       | 6.821                       | 10.033                      | 10.55                | -0.52           |

\*As per the calculation in this formula, Measured total bandwidth(99%) / 2 + 5 MHz, the worst case bandwidth is 14.2001 MHz.  
Based on the 14.2001 MHz bandwidth for the portion that the straddle channel occupies in the UNII-2C band, the calculated worst case power limit is  $17 + 10 \cdot \log(14.2001) - 6.45 = 22.07$  dBm.  
The total signal power is 13.88 dBm which is less than the limit of 22.07 dBm.

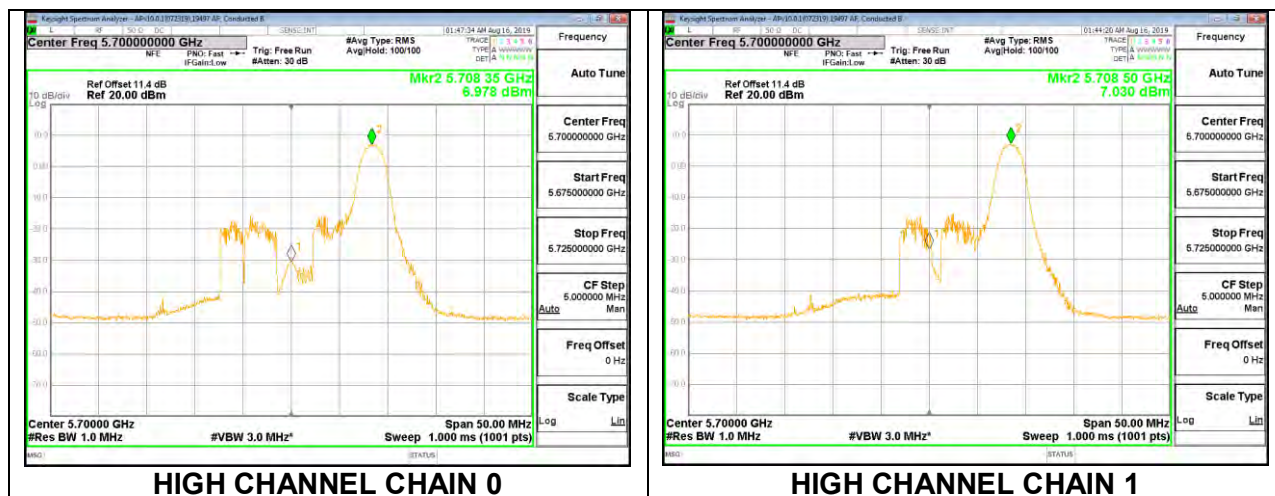
## RU Index 0



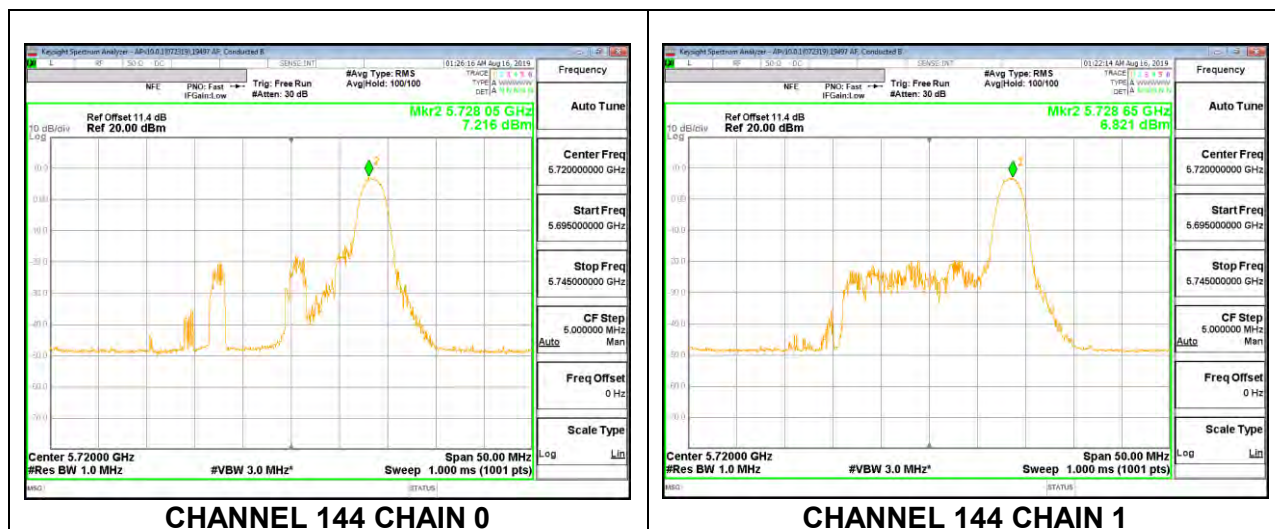
## RU Index 4



## RU Index 8



## RU Index 8





### 8.4.2. 802.11ax HE40 MODE IN THE 5.6 GHz BAND (FCC+IC)

Note for Straddle Channel: Total power and Highest PSD across the entire channel meets the UNII-2C limits thus UNII-3 limits and therefore compliant.

#### 2TX Chain 0 + Chain 1 SU MODE

##### Bandwidth and Antenna Gain

| Channel | Frequency<br>(MHz) | Min<br>26 dB<br>BW<br>(MHz) | Min<br>99%<br>BW<br>(MHz) | Directional<br>Gain<br>for Power<br>(dBi) | Directional<br>Gain<br>for PSD<br>(dBi) |
|---------|--------------------|-----------------------------|---------------------------|-------------------------------------------|-----------------------------------------|
| Low     | 5510               | 43.80                       | 37.7952                   | 6.45                                      | 6.45                                    |
| Mid     | 5550               | 44.10                       | 37.7370                   | 6.45                                      | 6.45                                    |
| High    | 5670               | 44.20                       | 37.6121                   | 6.45                                      | 6.45                                    |
| 142*    | 5710               | 43.80                       | 37.788                    | 6.45                                      | 6.45                                    |

##### Limits

| Channel | Frequency<br>(MHz) | FCC<br>Power<br>Limit<br>(dBm) | ISED<br>Power<br>Limit<br>(dBm) | ISED<br>EIRP<br>Limit<br>(dBm) | Power<br>Limit<br>(dBm) | FCC<br>PSD<br>Limit<br>(dBm/<br>1MHz) | ISED<br>PSD<br>Limit<br>(dBm/<br>1MHz) | PSD<br>Limit<br>(dBm/<br>1MHz) |
|---------|--------------------|--------------------------------|---------------------------------|--------------------------------|-------------------------|---------------------------------------|----------------------------------------|--------------------------------|
| Low     | 5510               | 23.55                          | 24.00                           | 30.00                          | 23.55                   | 10.55                                 | 11.00                                  | 10.55                          |
| Mid     | 5550               | 23.55                          | 24.00                           | 30.00                          | 23.55                   | 10.55                                 | 11.00                                  | 10.55                          |
| High    | 5670               | 23.55                          | 24.00                           | 30.00                          | 23.55                   | 10.55                                 | 11.00                                  | 10.55                          |
| 142*    | 5710               | 23.55                          | 24.00                           | 30.00                          | 23.55                   | 10.55                                 | 11.00                                  | 10.55                          |

|                    |      |                                        |
|--------------------|------|----------------------------------------|
| Duty Cycle CF (dB) | 0.00 | Included in Calculations of Corr'd PSD |
|--------------------|------|----------------------------------------|

##### Output Power Results

| Channel | Frequency<br>(MHz) | Chain 0<br>Meas<br>Power<br>(dBm) | Chain 1<br>Meas<br>Power<br>(dBm) | Total<br>Corr'd<br>Power<br>(dBm) | Power<br>Limit<br>(dBm) | Power<br>Margin<br>(dB) |
|---------|--------------------|-----------------------------------|-----------------------------------|-----------------------------------|-------------------------|-------------------------|
| Low     | 5510               | 15.99                             | 15.82                             | 18.92                             | 23.55                   | -4.63                   |
| Mid     | 5550               | 18.25                             | 17.94                             | 21.11                             | 23.55                   | -2.44                   |
| High    | 5670               | 17.60                             | 17.13                             | 20.38                             | 23.55                   | -3.17                   |
| 142*    | 5710               | 18.61                             | 18.00                             | 21.33                             | 23.55                   | -2.22                   |

\*The 26dB & 99% signal bandwidth within the 5470-5725 MHz band clearly exceed 20MHz and so the limit for the power within the 5470-5725MHz band is 23.55dBm

**2TX Chain 0 + Chain 1 OFDMA MODE – 484-Tones, RU Index 65**

**Bandwidth and Antenna Gain**

| Channel | Frequency<br>(MHz) | Min<br>26 dB<br>BW<br>(MHz) | Min<br>99%<br>BW<br>(MHz) | Directional<br>Gain<br>for Power<br>(dBi) | Directional<br>Gain<br>for PSD<br>(dBi) |
|---------|--------------------|-----------------------------|---------------------------|-------------------------------------------|-----------------------------------------|
| Low     | 5510               | 44.80                       | 37.928                    | 6.45                                      | 6.45                                    |
| Mid     | 5550               | 44.10                       | 37.947                    | 6.45                                      | 6.45                                    |
| High    | 5670               | 44.50                       | 37.797                    | 6.45                                      | 6.45                                    |
| 142*    | 5710               | 44.50                       | 37.658                    | 6.45                                      | 6.45                                    |

**Limits**

| Channel | Frequency<br>(MHz) | FCC<br>Power<br>Limit<br>(dBm) | ISED<br>Power<br>Limit<br>(dBm) | ISED<br>EIRP<br>Limit<br>(dBm) | Power<br>Limit<br>(dBm) | FCC<br>PSD<br>Limit<br>(dBm/<br>1MHz) | ISED<br>PSD<br>Limit<br>(dBm/<br>1MHz) | PSD<br>Limit<br>(dBm/<br>1MHz) |
|---------|--------------------|--------------------------------|---------------------------------|--------------------------------|-------------------------|---------------------------------------|----------------------------------------|--------------------------------|
| Low     | 5510               | 23.55                          | 24.00                           | 30.00                          | 23.55                   | 10.55                                 | 11.00                                  | 10.55                          |
| Mid     | 5550               | 23.55                          | 24.00                           | 30.00                          | 23.55                   | 10.55                                 | 11.00                                  | 10.55                          |
| High    | 5670               | 23.55                          | 24.00                           | 30.00                          | 23.55                   | 10.55                                 | 11.00                                  | 10.55                          |
| 142*    | 5710               | 23.55                          | 24.00                           | 30.00                          | 23.55                   | 10.55                                 | 11.00                                  | 10.55                          |

|                           |      |                                               |
|---------------------------|------|-----------------------------------------------|
| <b>Duty Cycle CF (dB)</b> | 0.00 | <b>Included in Calculations of Corr'd PSD</b> |
|---------------------------|------|-----------------------------------------------|

**Output Power Results**

| Channel | Frequency<br>(MHz) | Chain 0<br>Meas<br>Power<br>(dBm) | Chain 1<br>Meas<br>Power<br>(dBm) | Total<br>Corr'd<br>Power<br>(dBm) | Power<br>Limit<br>(dBm) | Power<br>Margin<br>(dB) |
|---------|--------------------|-----------------------------------|-----------------------------------|-----------------------------------|-------------------------|-------------------------|
| Low     | 5510               | 16.15                             | 16.05                             | 19.11                             | 23.55                   | -4.44                   |
| Mid     | 5550               | 18.50                             | 18.18                             | 21.35                             | 23.55                   | -2.20                   |
| High    | 5670               | 17.99                             | 17.82                             | 20.92                             | 23.55                   | -2.63                   |
| 142*    | 5710               | 18.77                             | 18.44                             | 21.62                             | 23.55                   | -1.93                   |

**PSD Results**

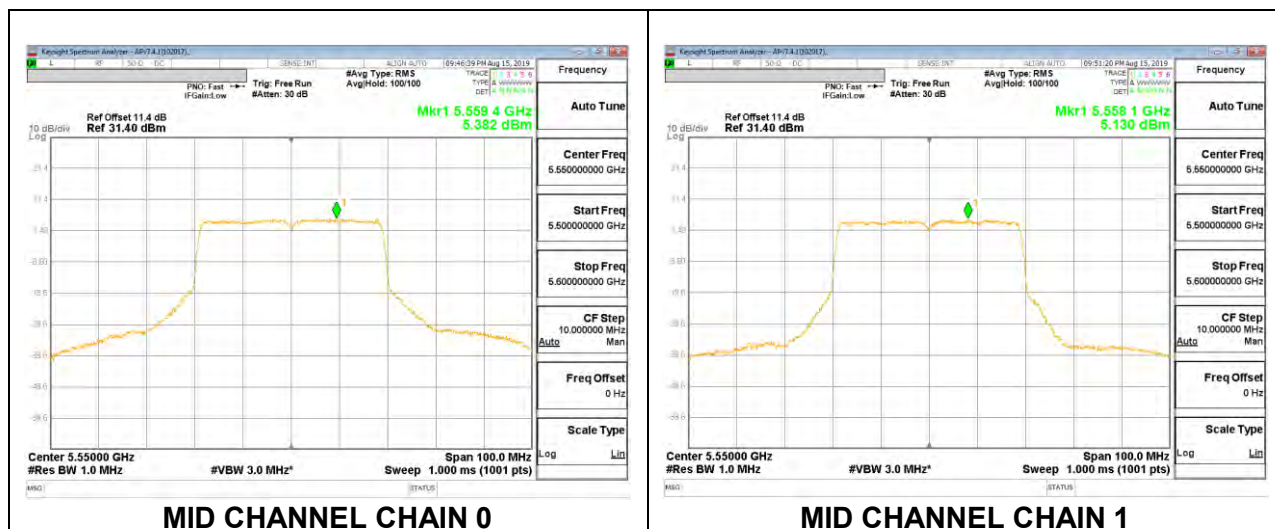
| Channel | Frequency<br>(MHz) | Chain 0<br>Meas<br>PSD<br>(dBm/<br>1MHz) | Chain 1<br>Meas<br>PSD<br>(dBm/<br>1MHz) | Total<br>Corr'd<br>PSD<br>(dBm/<br>1MHz) | PSD<br>Limit<br>(dBm/<br>1MHz) | PSD<br>Margin<br>(dB) |
|---------|--------------------|------------------------------------------|------------------------------------------|------------------------------------------|--------------------------------|-----------------------|
| Low     | 5510               | 3.291                                    | 3.130                                    | 6.22                                     | 10.55                          | -4.33                 |
| Mid     | 5550               | 5.382                                    | 5.130                                    | 8.27                                     | 10.55                          | -2.28                 |
| High    | 5670               | 5.000                                    | 5.007                                    | 8.01                                     | 10.55                          | -2.54                 |
| 142*    | 5710               | 5.728                                    | 5.427                                    | 8.59                                     | 10.55                          | -1.96                 |

\*The 26dB & 99% signal bandwidth within the 5470-5725 MHz band clearly exceed 20MHz and so the limit for the power within the 5470-5725MHz band is 23.55dBm

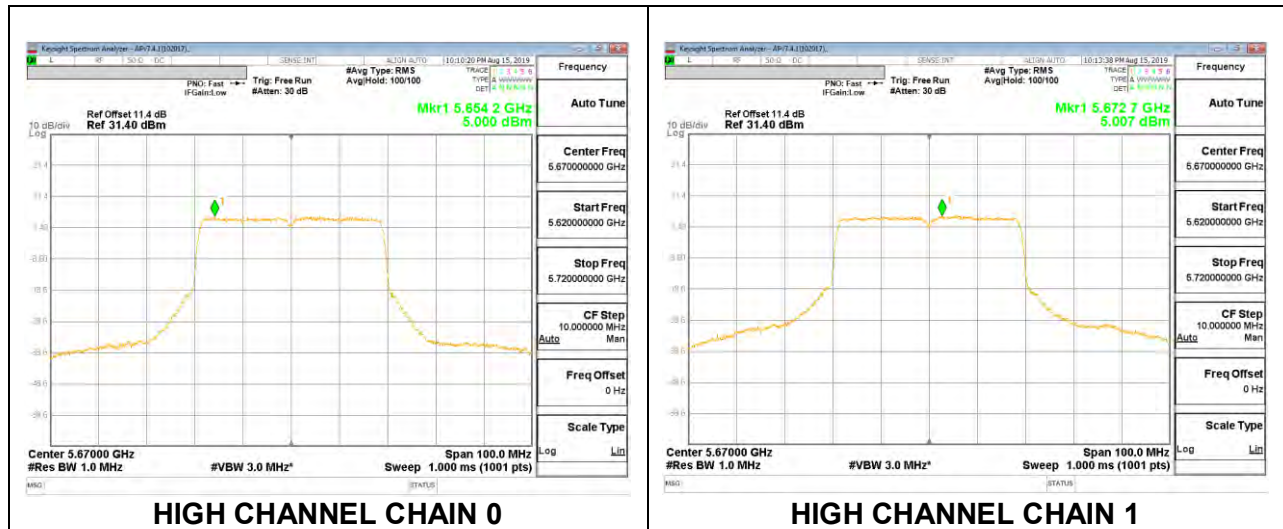
## LOW CHANNEL



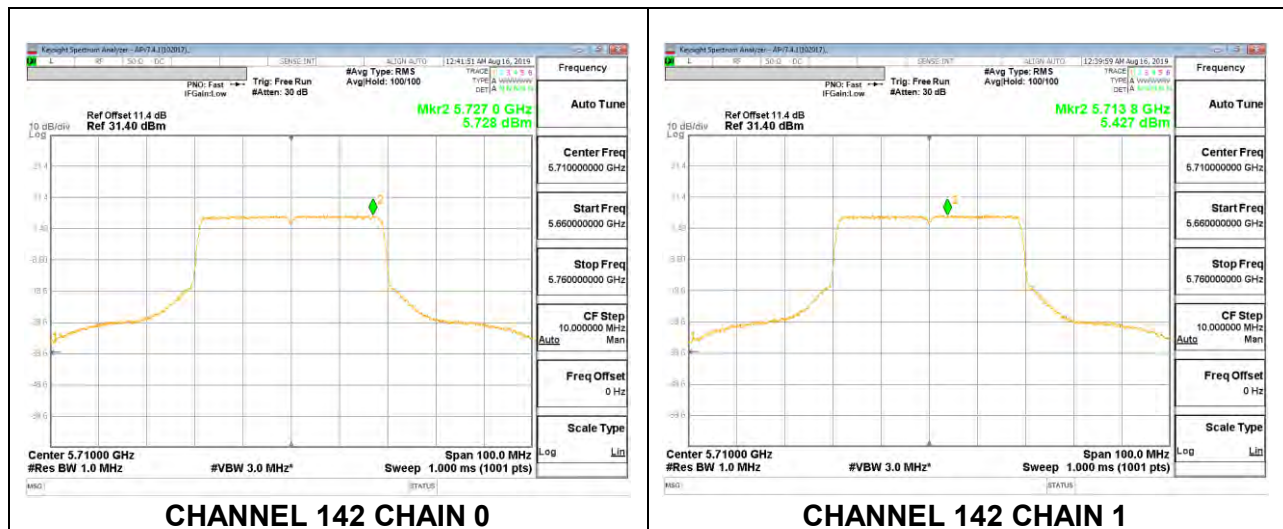
## MID CHANNEL



## HIGH CHANNEL



## CHANNEL 142





## 2TX Chain 0 + Chain 1 OFDMA MODE – 242-Tones

### Bandwidth and Antenna Gain

| Channel / RU Index | Frequency (MHz) | Min 26 dB BW (MHz) | Min 99% BW (MHz) | Directional Gain for Power (dBi) | Directional Gain for PSD (dBi) |
|--------------------|-----------------|--------------------|------------------|----------------------------------|--------------------------------|
| Low / RU61         | 5510            | 23.00              | 18.969           | 6.45                             | 6.45                           |
| Mid / RU61         | 5550            | 23.20              | 18.965           | 6.45                             | 6.45                           |
| High / RU62        | 5670            | 22.30              | 19.252           | 6.45                             | 6.45                           |
| 142 / RU62*        | 5710            | 22.50              | 18.974           | 6.45                             | 6.45                           |

### Limits

| Channel / RU Index | Frequency (MHz) | FCC Power Limit (dBm) | ISED Power Limit (dBm) | ISED EIRP Limit (dBm) | Power Limit (dBm) | FCC PSD Limit (dBm/1MHz) | ISED PSD Limit (dBm/1MHz) |
|--------------------|-----------------|-----------------------|------------------------|-----------------------|-------------------|--------------------------|---------------------------|
| Low / RU61         | 5510            | 23.55                 | 23.78                  | 29.78                 | 23.33             | 10.55                    | 11.00                     |
| Mid / RU61         | 5550            | 23.55                 | 23.78                  | 29.78                 | 23.33             | 10.55                    | 11.00                     |
| High / RU62        | 5670            | 23.55                 | 23.84                  | 29.84                 | 23.39             | 10.55                    | 11.00                     |
| 142 / RU62*        | 5710            | 23.55                 | 23.78                  | 29.78                 | 23.33             | 10.55                    | 11.00                     |

|                    |      |                                        |
|--------------------|------|----------------------------------------|
| Duty Cycle CF (dB) | 0.00 | Included in Calculations of Corr'd PSD |
|--------------------|------|----------------------------------------|

### Output Power Results

| Channel / RU Index | Frequency (MHz) | Chain 0 Meas Power (dBm) | Chain 1 Meas Power (dBm) | Total Corr'd Power (dBm) | Power Limit (dBm) | Power Margin (dB) |
|--------------------|-----------------|--------------------------|--------------------------|--------------------------|-------------------|-------------------|
| Low / RU61         | 5510            | 17.89                    | 17.71                    | 20.81                    | 23.33             | -2.52             |
| Mid / RU61         | 5550            | 18.27                    | 18.13                    | 21.21                    | 23.33             | -2.12             |
| High / RU62        | 5670            | 18.50                    | 18.38                    | 21.45                    | 23.39             | -1.94             |
| 142 / RU62*        | 5710            | 18.57                    | 18.50                    | 21.55                    | 23.33             | -1.79             |

### PSD Results

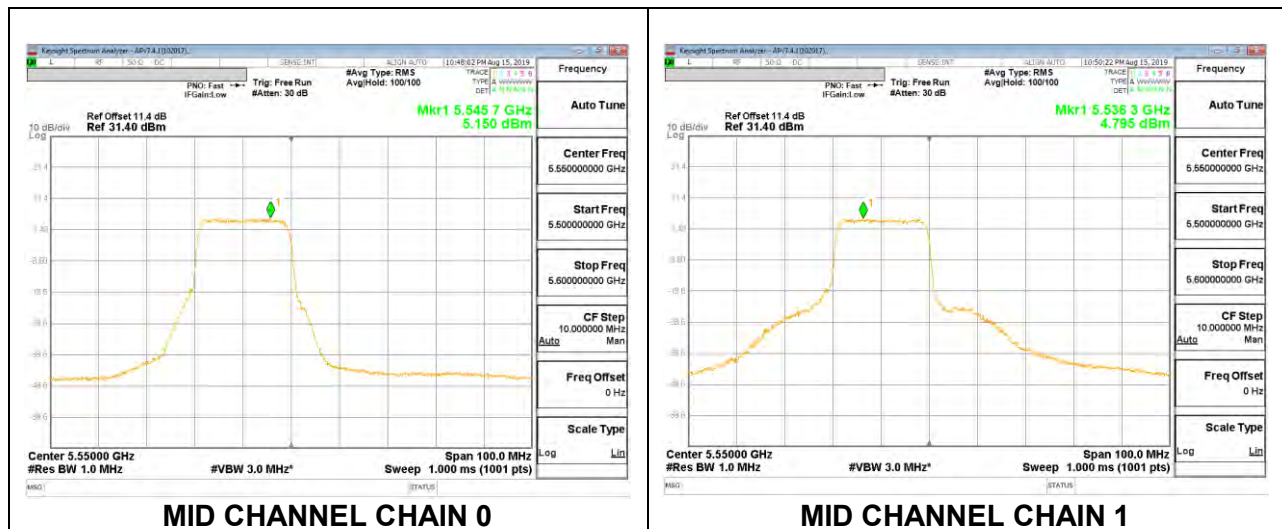
| Channel / RU Index | Frequency (MHz) | Chain 0 Meas PSD (dBm/1MHz) | Chain 1 Meas PSD (dBm/1MHz) | Total Corr'd PSD (dBm/1MHz) | PSD Limit (dBm/1MHz) | PSD Margin (dB) |
|--------------------|-----------------|-----------------------------|-----------------------------|-----------------------------|----------------------|-----------------|
| Low / RU61         | 5510            | 4.987                       | 4.781                       | 7.896                       | 10.55                | -2.65           |
| Mid / RU61         | 5550            | 5.150                       | 4.795                       | 7.986                       | 10.55                | -2.56           |
| High / RU62        | 5670            | 5.210                       | 5.043                       | 8.138                       | 10.55                | -2.41           |
| 142 / RU62*        | 5710            | 5.845                       | 5.660                       | 8.764                       | 10.55                | -1.79           |

\*As per the calculation in this formula, Measured total bandwidth(99%) / 2 + 5 MHz, the worst case bandwidth is 14.487 MHz.  
Based on the 14.487 MHz bandwidth for the portion that the straddle channel occupies in the UNII-2C band, the calculated worst case power limit is  $17 + 10 \cdot \log(14.487) - 6.45 = 22.16$  dBm.  
The total signal power is 21.55 dBm which is less than the limit of 22.16 dBm.

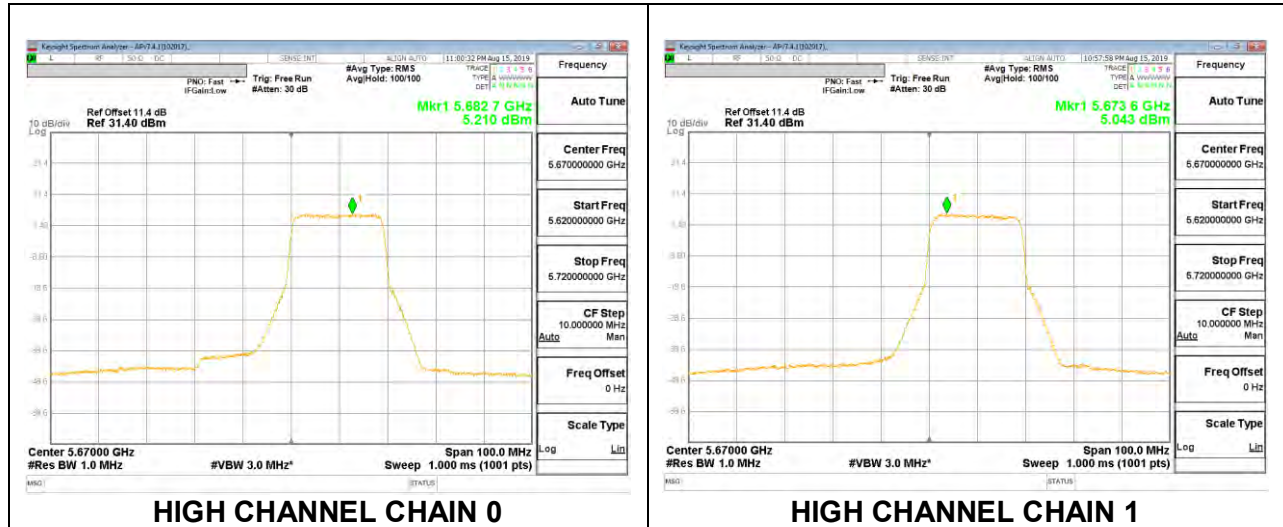
### RU Index 61



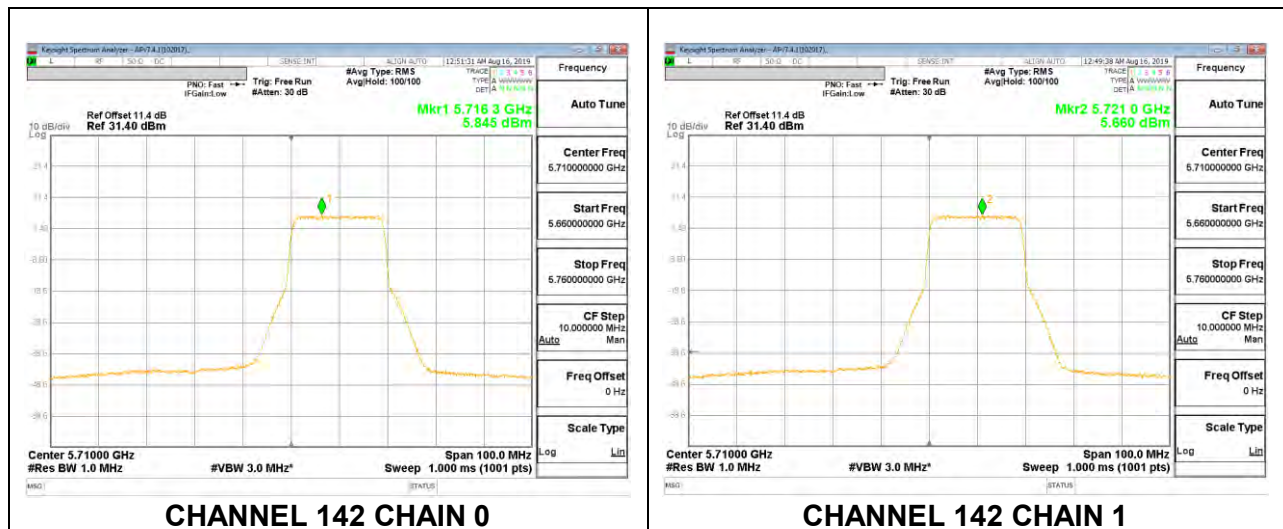
### RU Index 61



## RU Index 62



## RU Index 62



## 2TX Chain 0 + Chain 1 OFDMA MODE – 106-Tones

### Bandwidth and Antenna Gain

| Channel /<br>RU Index | Frequency<br><br>(MHz) | Min<br>26 dB<br>BW<br>(MHz) | Min<br>99%<br>BW<br>(MHz) | Directional<br>Gain<br>for Power<br>(dBi) | Direction<br>Gain<br>for PSD<br>(dBi) |
|-----------------------|------------------------|-----------------------------|---------------------------|-------------------------------------------|---------------------------------------|
| Low / RU53            | 5510                   | 22.20                       | 17.575                    | 6.45                                      | 6.45                                  |
| Mid / RU54            | 5550                   | 21.10                       | 18.310                    | 6.45                                      | 6.45                                  |
| High / RU56           | 5670                   | 20.60                       | 17.794                    | 6.45                                      | 6.45                                  |
| 142 / RU56*           | 5710                   | 20.20                       | 18.226                    | 6.45                                      | 6.45                                  |

### Limits

| Channel /<br>RU Index | Frequency<br><br>(MHz) | FCC<br>Power<br>Limit<br>(dBm) | ISED<br>Power<br>Limit<br>(dBm) | ISED<br>EIRP<br>Limit<br>(dBm) | Power<br>Limit<br>(dBm) | FCC<br>PSD<br>Limit<br>(dBm/1MHz) | ISED<br>PSD<br>Limit<br>(dBm/1MHz) |
|-----------------------|------------------------|--------------------------------|---------------------------------|--------------------------------|-------------------------|-----------------------------------|------------------------------------|
| Low / RU53            | 5510                   | 23.55                          | 23.45                           | 29.45                          | 23.00                   | 10.55                             | 11.00                              |
| Mid / RU54            | 5550                   | 23.55                          | 23.63                           | 29.63                          | 23.18                   | 10.55                             | 11.00                              |
| High / RU56           | 5670                   | 23.55                          | 23.50                           | 29.50                          | 23.05                   | 10.55                             | 11.00                              |
| 142 / RU56*           | 5710                   | 23.55                          | 23.61                           | 29.61                          | 23.16                   | 10.55                             | 11.00                              |

|                           |      |                                               |
|---------------------------|------|-----------------------------------------------|
| <b>Duty Cycle CF (dB)</b> | 0.00 | <b>Included in Calculations of Corr'd PSD</b> |
|---------------------------|------|-----------------------------------------------|

### Output Power Results

| Channel /<br>RU Index | Frequency<br><br>(MHz) | Chain 0<br>Meas<br>Power<br>(dBm) | Chain 1<br>Meas<br>Power<br>(dBm) | Total<br>Corr'd<br>Power<br>(dBm) | Power<br>Limit<br>(dBm) | Power<br>Margin<br>(dB) |
|-----------------------|------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-------------------------|-------------------------|
| Low / RU53            | 5510                   | 15.06                             | 14.98                             | 18.03                             | 23.00                   | -4.97                   |
| Mid / RU54            | 5550                   | 15.28                             | 14.91                             | 18.11                             | 23.18                   | -5.07                   |
| High / RU56           | 5670                   | 15.01                             | 14.89                             | 17.96                             | 23.05                   | -5.09                   |
| 142 / RU56*           | 5710                   | 15.22                             | 15.01                             | 18.13                             | 23.16                   | -5.03                   |

### PSD Results

| Channel /<br>RU Index | Frequency<br><br>(MHz) | Chain 0<br>Meas<br>PSD<br>(dBm/<br>1MHz) | Chain 1<br>Meas<br>PSD<br>(dBm/<br>1MHz) | Total<br>Corr'd<br>PSD<br>(dBm/<br>1MHz) | PSD<br>Limit<br>(dBm/<br>1MHz) | PSD<br>Margin<br>(dB) |
|-----------------------|------------------------|------------------------------------------|------------------------------------------|------------------------------------------|--------------------------------|-----------------------|
| Low / RU53            | 5510                   | 6.482                                    | 6.146                                    | 9.328                                    | 10.55                          | -1.22                 |
| Mid / RU54            | 5550                   | 6.384                                    | 6.300                                    | 9.353                                    | 10.55                          | -1.20                 |
| High / RU56           | 5670                   | 6.599                                    | 6.635                                    | 9.627                                    | 10.55                          | -0.92                 |
| 142 / RU56*           | 5710                   | 6.312                                    | 6.191                                    | 9.262                                    | 10.55                          | -1.29                 |

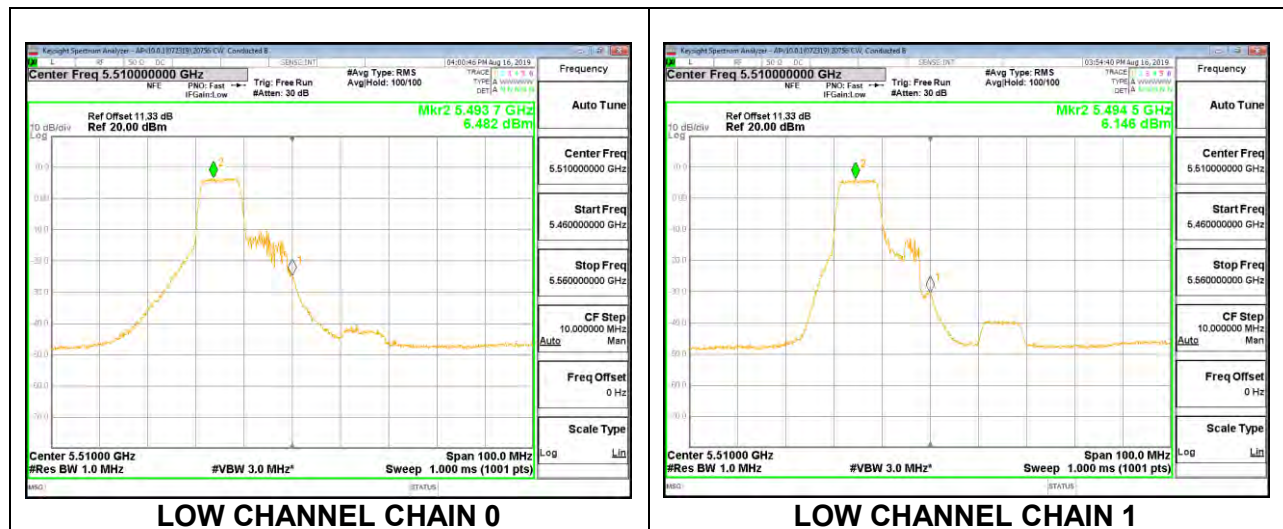


\*As per the calculation in this formula, Measured total bandwidth(99%) / 2 MHz, the worst case bandwidth is 9.113 MHz.

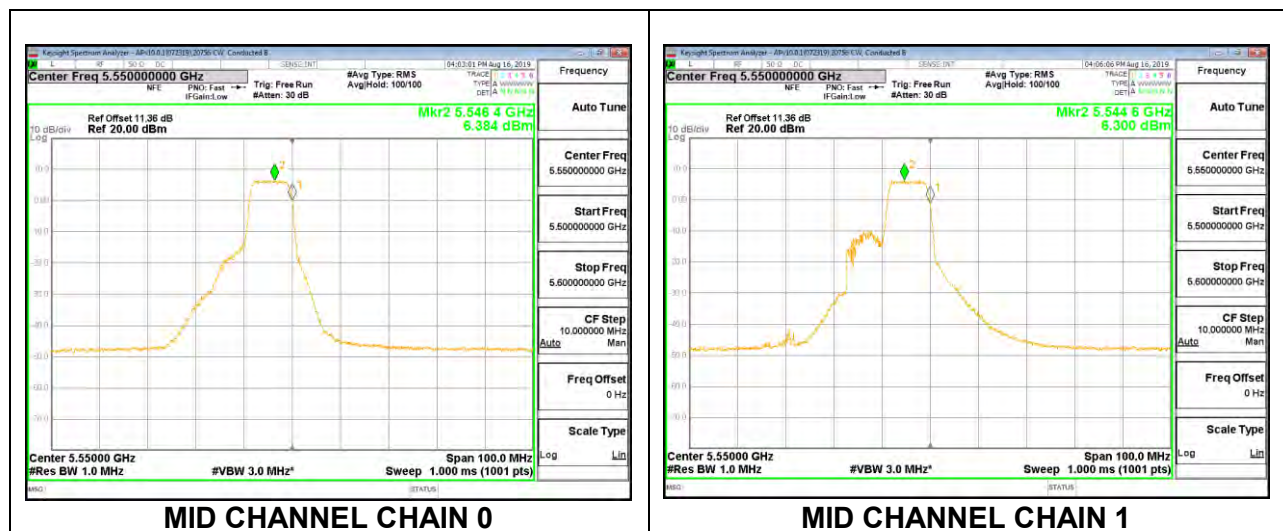
Based on the 9.113 MHz bandwidth for the portion that the straddle channel occupies in the UNII-2C band, the calculated worst case power limit is  $17 + 10 \cdot \log(9.113) - 6.45 = 20.15$  dBm.

The total signal power is 18.13 dBm which is less than the limit of 20.15 dBm.

### RU Index 53



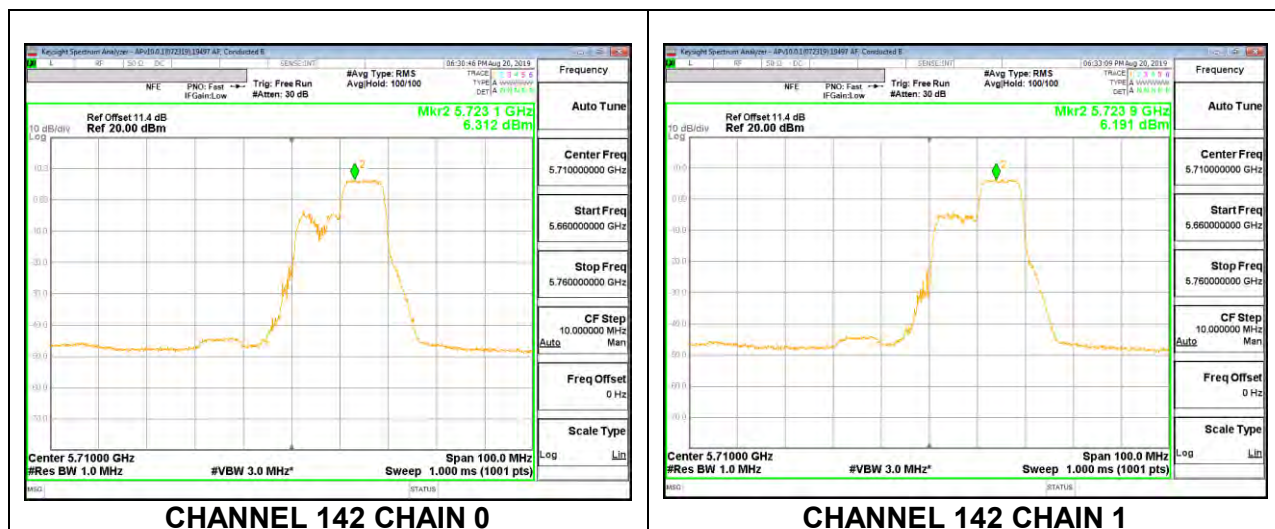
### RU Index 54



## RU Index56



## RU index 56



**2TX Chain 0 + Chain 1 OFDMA MODE – 52-Tones**

**Bandwidth and Antenna Gain**

| Channel /<br>RU Index | Frequency<br><br>(MHz) | Min<br>26 dB<br>BW<br>(MHz) | Min<br>99%<br>BW<br>(MHz) | Directional<br>Gain<br>for Power<br>(dBi) | Direction<br>Gain<br>for PSD<br>(dBi) |
|-----------------------|------------------------|-----------------------------|---------------------------|-------------------------------------------|---------------------------------------|
| Low / RU37            | 5510                   | 20.00                       | 17.723                    | 6.45                                      | 6.45                                  |
| Mid / RU40            | 5550                   | 21.80                       | 17.887                    | 6.45                                      | 6.45                                  |
| High / RU44           | 5670                   | 20.50                       | 18.110                    | 6.45                                      | 6.45                                  |
| 142 / RU44*           | 5710                   | 21.10                       | 18.146                    | 6.45                                      | 6.45                                  |

**Limits**

| Channel /<br>RU Index | Frequency<br><br>(MHz) | FCC<br>Power<br>Limit<br>(dBm) | ISED<br>Power<br>Limit<br>(dBm) | ISED<br>EIRP<br>Limit<br>(dBm) | Power<br>Limit<br>(dBm) | FCC<br>PSD<br>Limit<br>(dBm/1MHz) | ISED<br>PSD<br>Limit<br>(dBm/1MHz) |
|-----------------------|------------------------|--------------------------------|---------------------------------|--------------------------------|-------------------------|-----------------------------------|------------------------------------|
| Low / RU37            | 5510                   | 23.55                          | 23.49                           | 29.49                          | 23.04                   | 10.55                             | 11.00                              |
| Mid / RU40            | 5550                   | 23.55                          | 23.53                           | 29.53                          | 23.08                   | 10.55                             | 11.00                              |
| High / RU44           | 5670                   | 23.55                          | 23.58                           | 29.58                          | 23.13                   | 10.55                             | 11.00                              |
| 142 / RU44*           | 5710                   | 23.55                          | 23.59                           | 29.59                          | 23.14                   | 10.55                             | 11.00                              |

|                           |      |                                               |
|---------------------------|------|-----------------------------------------------|
| <b>Duty Cycle CF (dB)</b> | 0.00 | <b>Included in Calculations of Corr'd PSD</b> |
|---------------------------|------|-----------------------------------------------|

**Output Power Results**

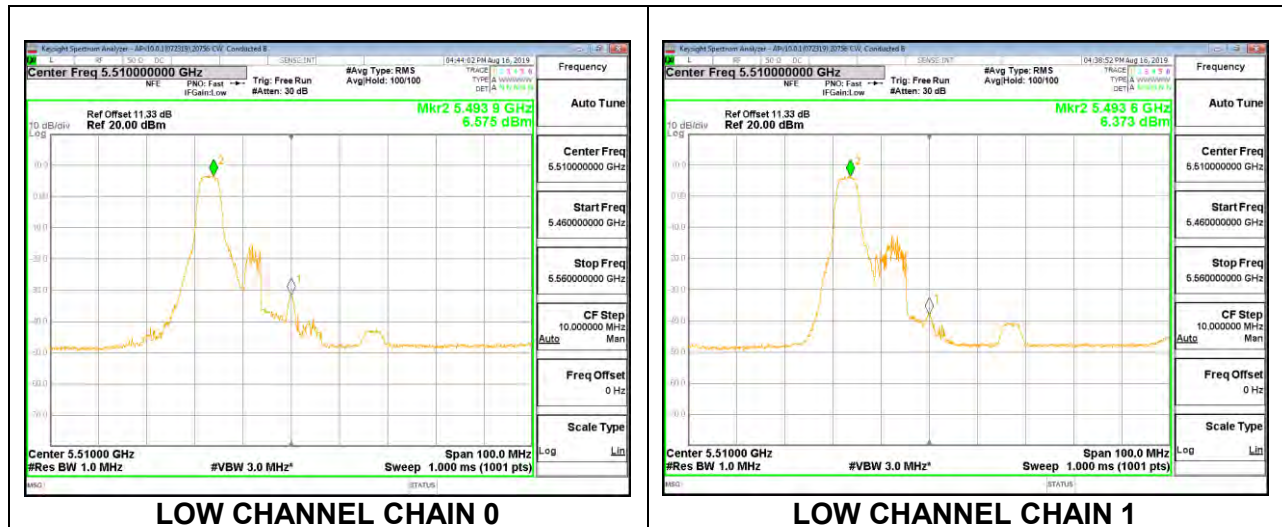
| Channel /<br>RU Index | Frequency<br><br>(MHz) | Chain 0<br>Meas<br>Power<br>(dBm) | Chain 1<br>Meas<br>Power<br>(dBm) | Total<br>Corr'd<br>Power<br>(dBm) | Power<br>Limit<br>(dBm) | Power<br>Margin<br>(dB) |
|-----------------------|------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-------------------------|-------------------------|
| Low / RU37            | 5510                   | 11.91                             | 11.61                             | 14.77                             | 23.04                   | -8.26                   |
| Mid / RU40            | 5550                   | 12.00                             | 11.71                             | 14.87                             | 23.08                   | -8.21                   |
| High / RU44           | 5670                   | 11.56                             | 11.26                             | 14.42                             | 23.13                   | -8.71                   |
| 142 / RU44*           | 5710                   | 12.00                             | 11.70                             | 14.86                             | 23.14                   | -8.27                   |

**PSD Results**

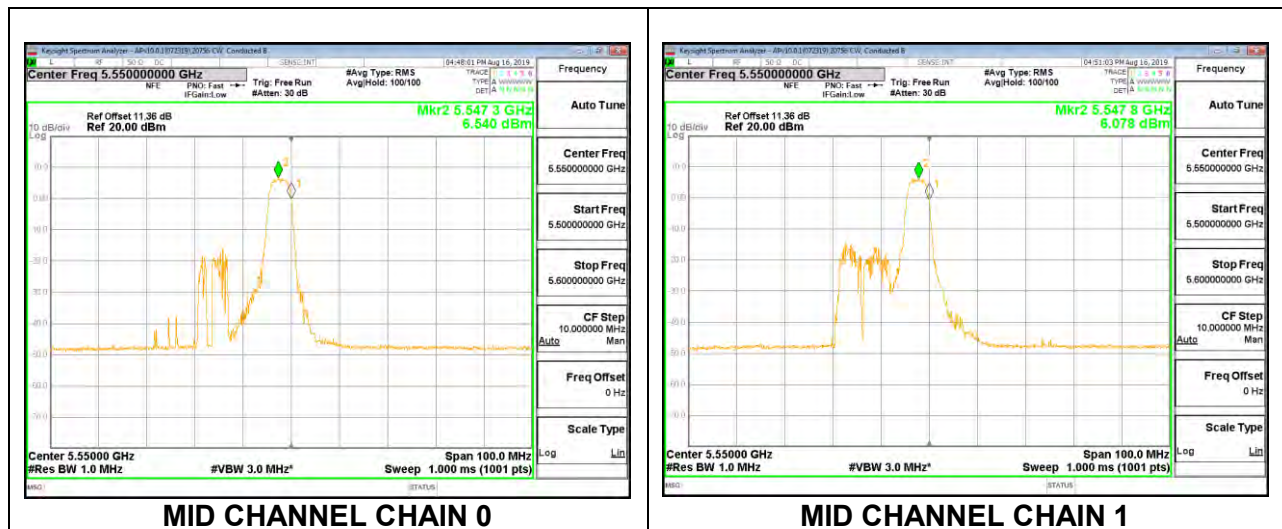
| Channel /<br>RU Index | Frequency<br><br>(MHz) | Chain 0<br>Meas<br>PSD<br>(dBm/<br>1MHz) | Chain 1<br>Meas<br>PSD<br>(dBm/<br>1MHz) | Total<br>Corr'd<br>PSD<br>(dBm/<br>1MHz) | PSD<br>Limit<br>(dBm/<br>1MHz) | PSD<br>Margin<br>(dB) |
|-----------------------|------------------------|------------------------------------------|------------------------------------------|------------------------------------------|--------------------------------|-----------------------|
| Low / RU37            | 5510                   | 6.575                                    | 6.373                                    | 9.485                                    | 10.55                          | -1.06                 |
| Mid / RU40            | 5550                   | 6.540                                    | 6.078                                    | 9.325                                    | 10.55                          | -1.22                 |
| High / RU44           | 5670                   | 7.014                                    | 6.313                                    | 9.688                                    | 10.55                          | -0.86                 |
| 142 / RU44*           | 5710                   | 6.391                                    | 6.520                                    | 9.466                                    | 10.55                          | -1.08                 |

\*As per the calculation in this formula, Measured total bandwidth(99%) / 2 - 2 MHz, the worst case bandwidth is 7.073 MHz.  
Based on the 7.073 MHz bandwidth for the portion that the straddle channel occupies in the UNII-2C band, the calculated worst case power limit is  $17 + 10 \cdot \log(7.073) - 6.45 = 19.05$  dBm.  
The total signal power is 14.86 dBm which is less than the limit of 19.05 dBm.

### RU Index 37

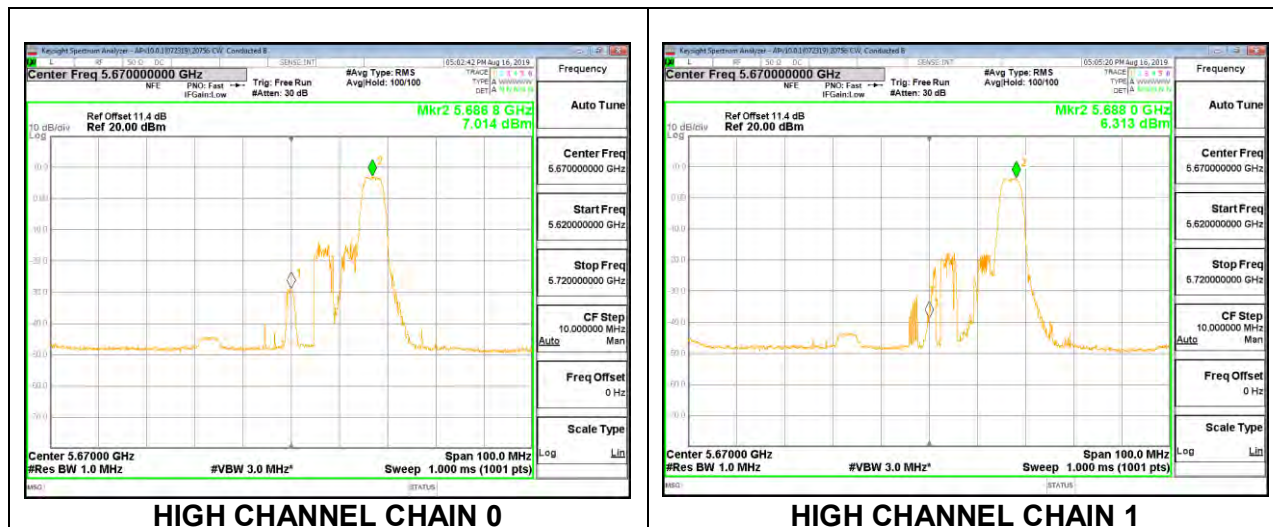


### RU Index 40





## RU Index 44



## RU Index 44

