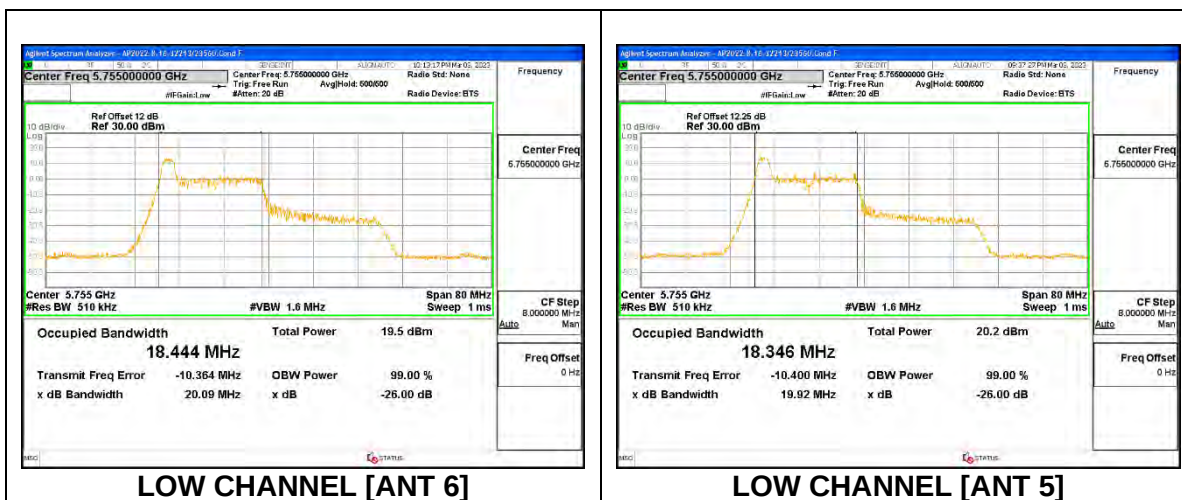
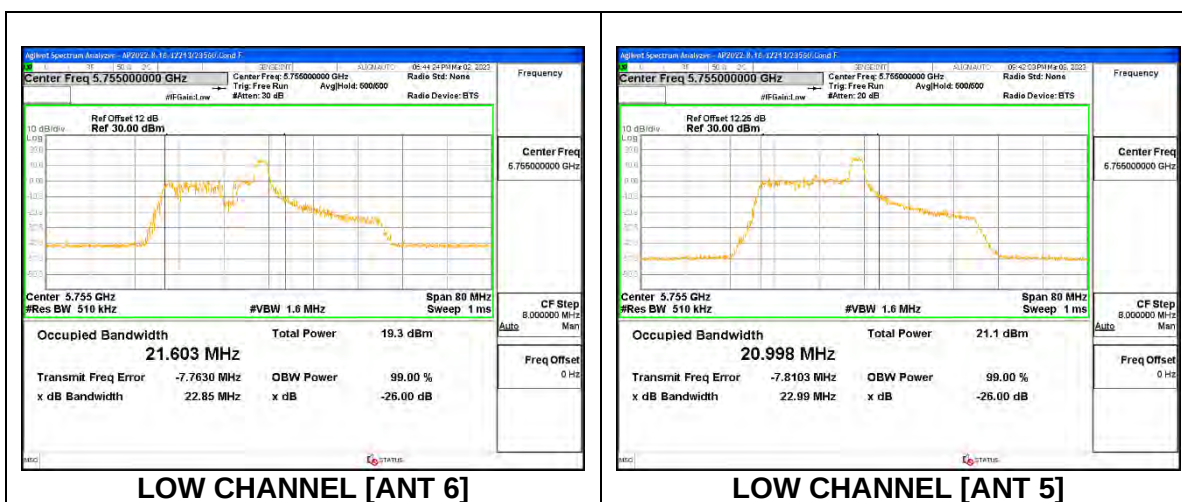


**2TX Antenna 6 + Antenna 5 OFDMA MODE: 26-Tone, RU Index 0**

| Channel | Frequency<br>(MHz) | 99% Bandwidth<br>Antenna 6<br>(MHz) | 99% Bandwidth<br>Antenna 5<br>(MHz) |
|---------|--------------------|-------------------------------------|-------------------------------------|
| Low     | 5755               | 18.444                              | 18.346                              |
| High    | 5795               | 18.390                              | 18.165                              |

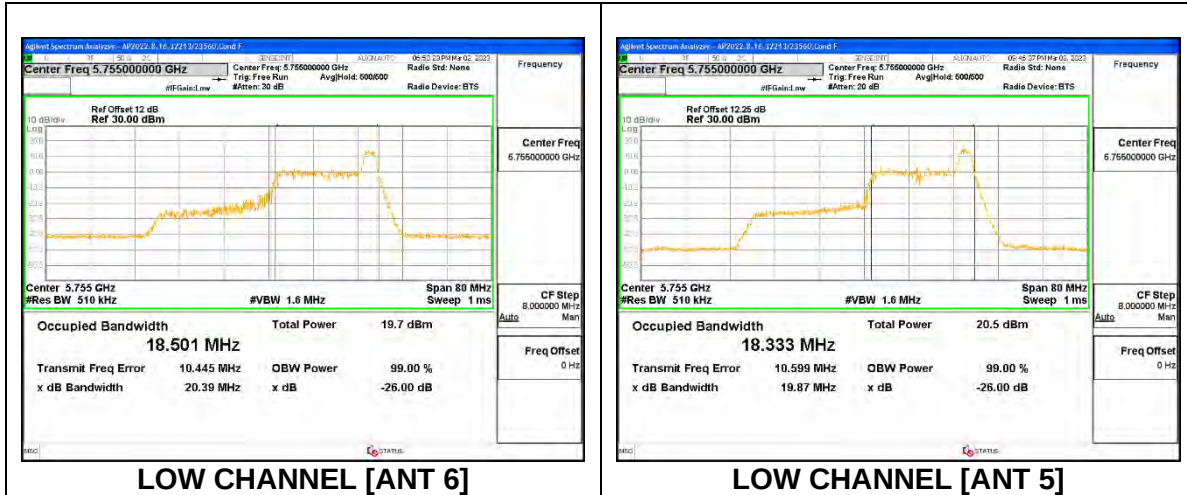
**2TX Antenna 6 + Antenna 5 OFDMA MODE: 26-Tone, RU Index 8**

| Channel | Frequency<br>(MHz) | 99% Bandwidth<br>Antenna 6<br>(MHz) | 99% Bandwidth<br>Antenna 5<br>(MHz) |
|---------|--------------------|-------------------------------------|-------------------------------------|
| Low     | 5755               | 21.603                              | 20.998                              |
| High    | 5795               | 21.528                              | 20.856                              |

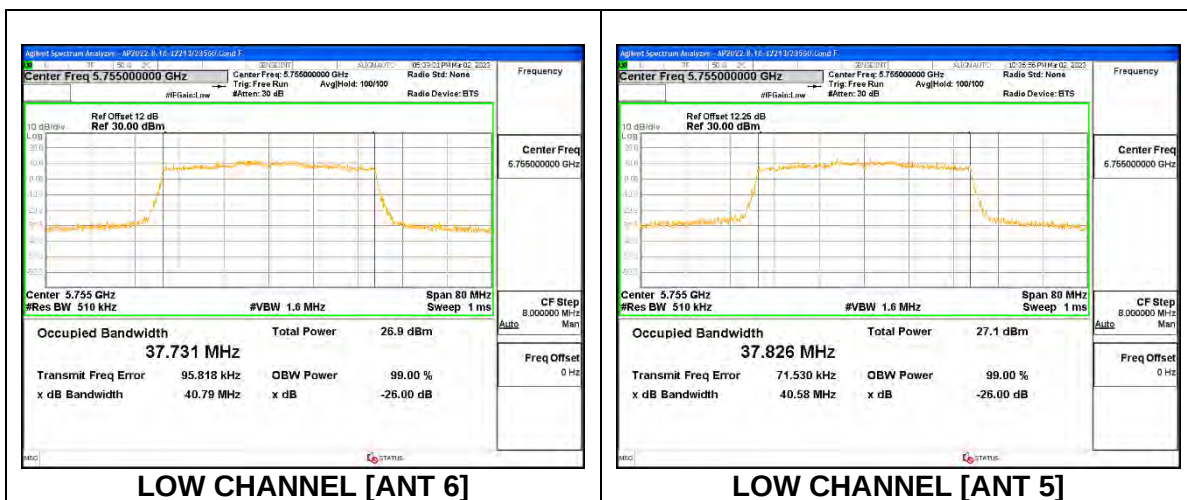


**2TX Antenna 6 + Antenna 5 OFDMA MODE: 26-Tone, RU Index 17**

| Channel | Frequency<br>(MHz) | 99% Bandwidth<br>Antenna 6<br>(MHz) | 99% Bandwidth<br>Antenna 5<br>(MHz) |
|---------|--------------------|-------------------------------------|-------------------------------------|
| Low     | 5755               | 18.501                              | 18.333                              |
| High    | 5795               | 18.422                              | 18.241                              |

**2TX Antenna 6 + Antenna 5 OFDMA MODE: SU, Single User**

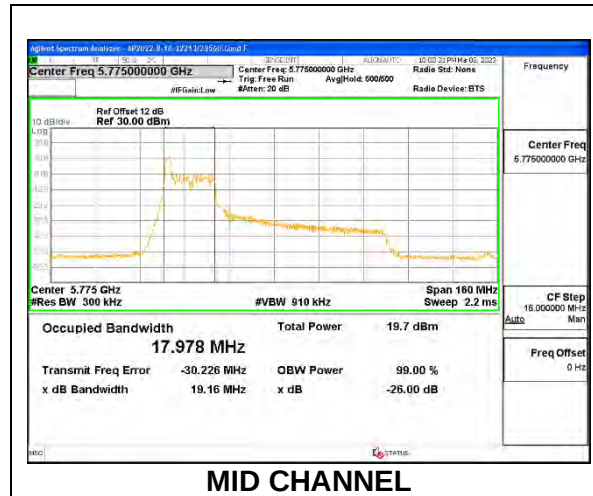
| Channel | Frequency<br>(MHz) | 99% Bandwidth<br>Antenna 6<br>(MHz) | 99% Bandwidth<br>Antenna 5<br>(MHz) |
|---------|--------------------|-------------------------------------|-------------------------------------|
| Low     | 5755               | 37.731                              | 37.826                              |
| High    | 5795               | 37.850                              | 37.771                              |



## 9.2.28. 802.11ax HE80 MODE IN THE 5.8 GHz BAND

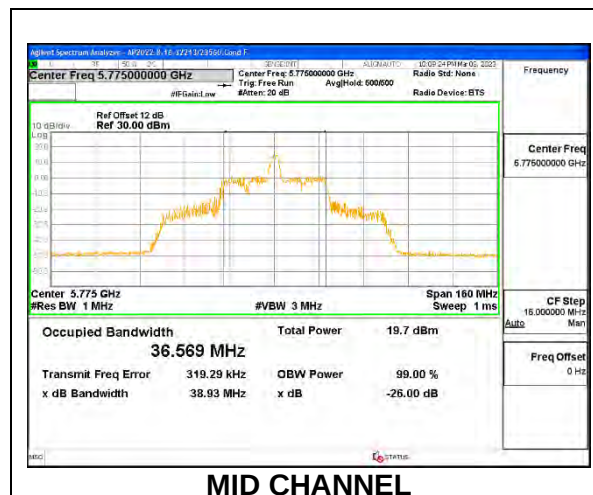
### 1TX Antenna 6 MODE: 26-Tone, RU Index 0

| Channel | Frequency (MHz) | 99% Bandwidth (MHz) |
|---------|-----------------|---------------------|
| Mid     | 5775            | 17.978              |



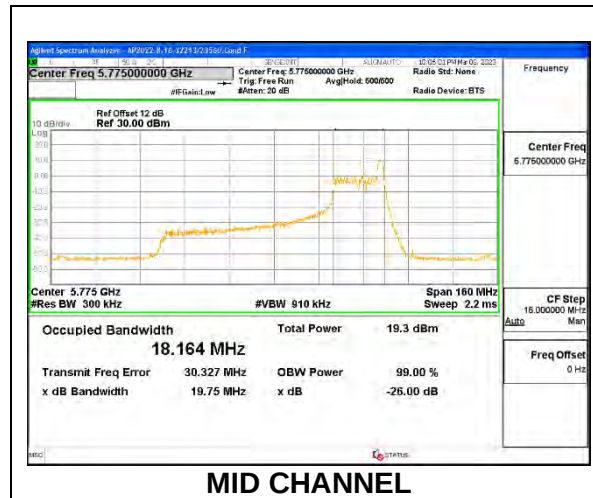
### 1TX Antenna 6 MODE: 26-Tone, RU Index 18

| Channel | Frequency (MHz) | 99% Bandwidth (MHz) |
|---------|-----------------|---------------------|
| Mid     | 5775            | 36.569              |

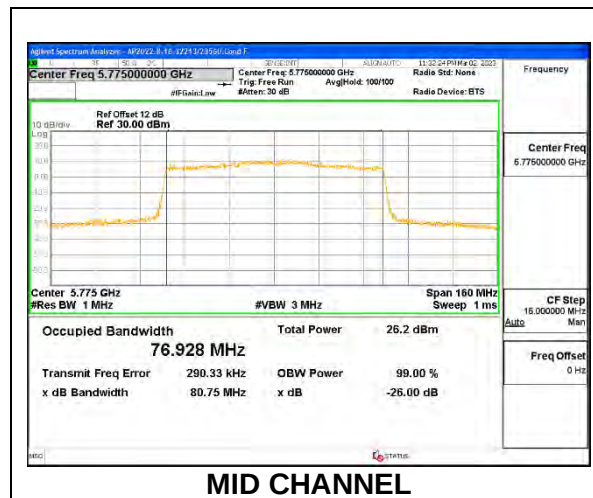


**1TX Antenna 6 MODE: 26-Tone, RU Index 36**

| Channel | Frequency (MHz) | 99% Bandwidth (MHz) |
|---------|-----------------|---------------------|
| Mid     | 5775            | 18.164              |

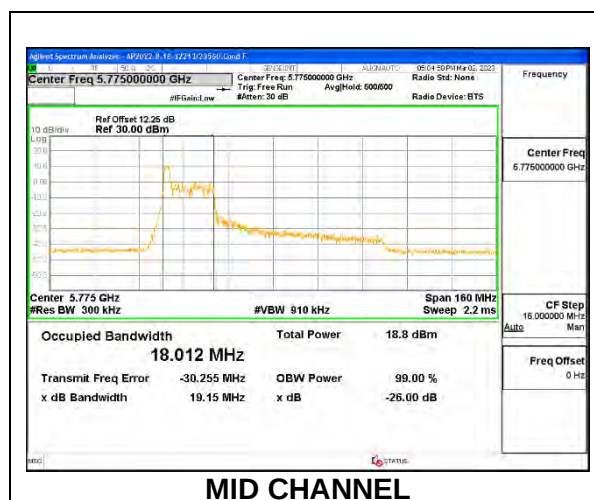
**1TX Antenna 6 MODE: SU, Single User**

| Channel | Frequency (MHz) | 99% Bandwidth (MHz) |
|---------|-----------------|---------------------|
| Mid     | 5775            | 76.928              |

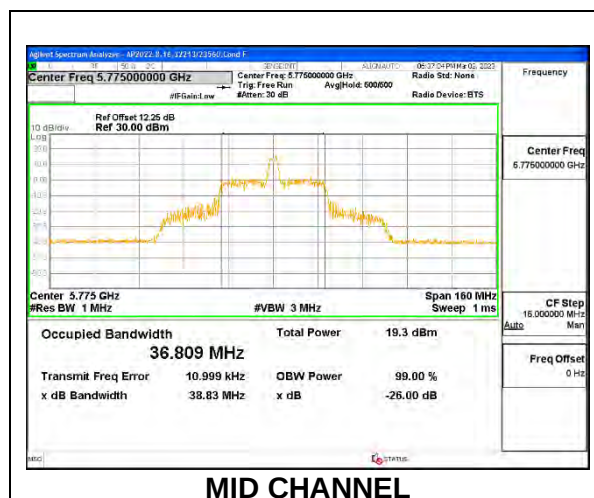


**1TX Antenna 5 MODE: 26-Tone, RU Index 0**

| Channel | Frequency (MHz) | 99% Bandwidth (MHz) |
|---------|-----------------|---------------------|
| Mid     | 5775            | 18.012              |

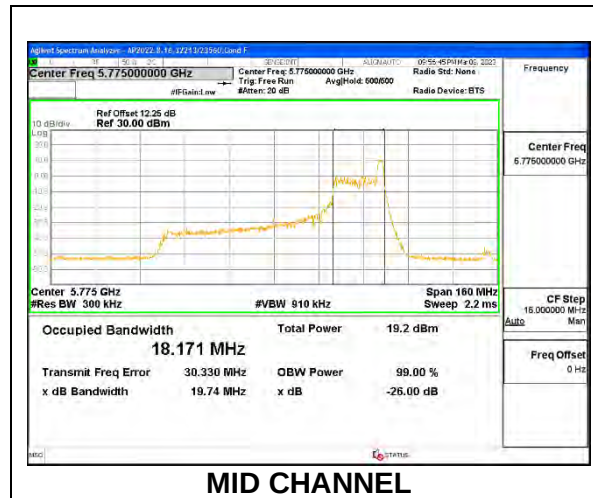
**1TX Antenna 5 MODE: 26-Tone, RU Index 18**

| Channel | Frequency (MHz) | 99% Bandwidth (MHz) |
|---------|-----------------|---------------------|
| Mid     | 5775            | 36.809              |

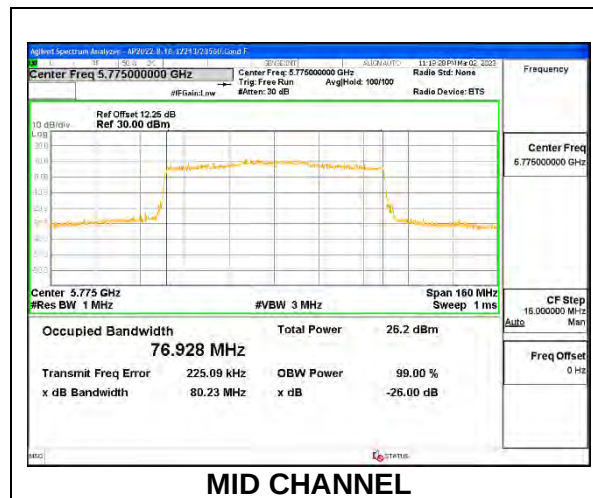


**1TX Antenna 5 MODE: 26-Tone, RU Index 36**

| Channel | Frequency (MHz) | 99% Bandwidth (MHz) |
|---------|-----------------|---------------------|
| Mid     | 5775            | 18.171              |

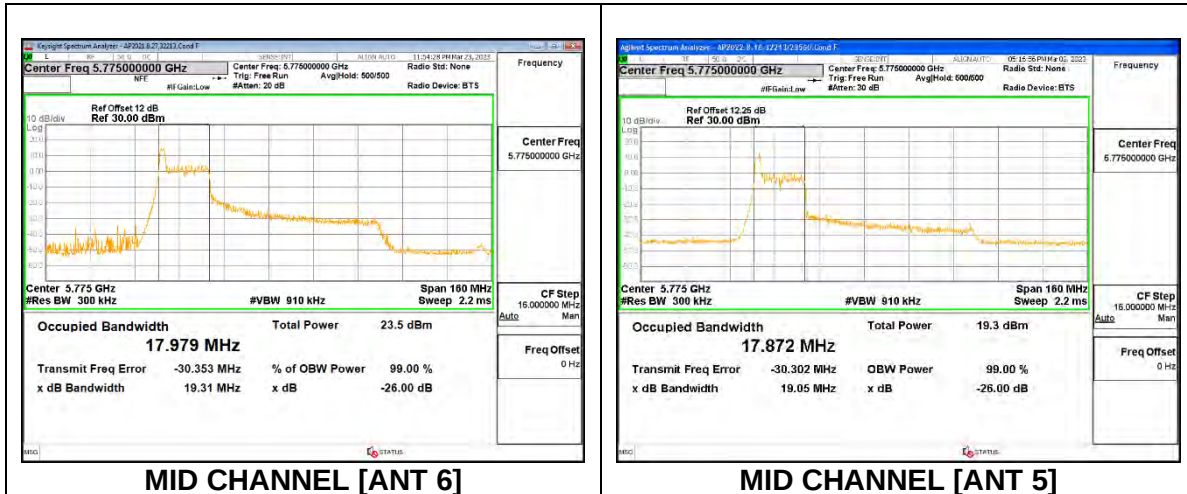
**1TX Antenna 5 MODE: SU, Single User**

| Channel | Frequency (MHz) | 99% Bandwidth (MHz) |
|---------|-----------------|---------------------|
| Mid     | 5775            | 76.928              |

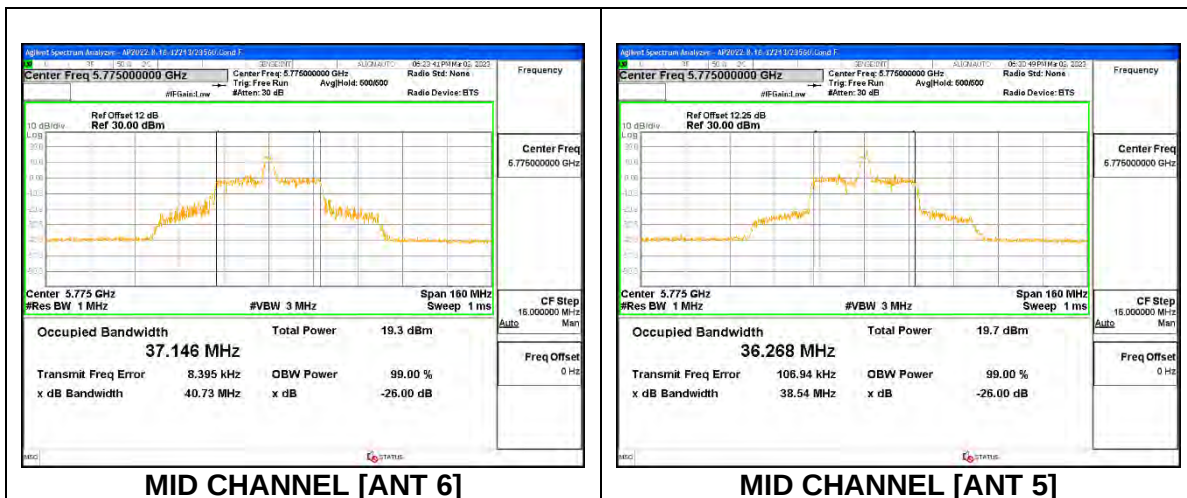


**2TX Antenna 6 + Antenna 5 OFDMA MODE: 26-Tone, RU Index 0**

| Channel | Frequency<br>(MHz) | 99% Bandwidth<br>Antenna 6<br>(MHz) | 99% Bandwidth<br>Antenna 5<br>(MHz) |
|---------|--------------------|-------------------------------------|-------------------------------------|
| Mid     | 5775               | 17.979                              | 17.872                              |

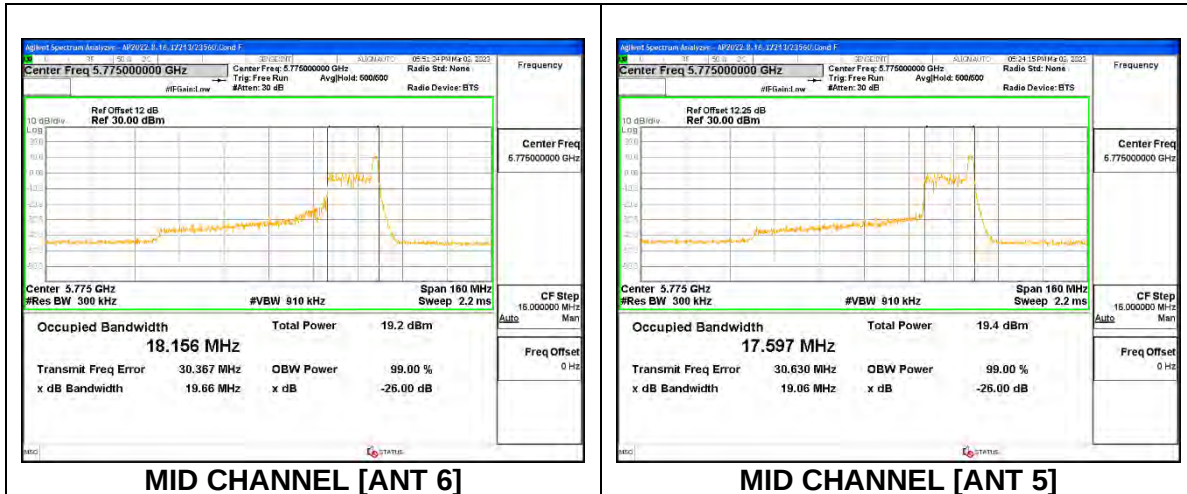
**2TX Antenna 6 + Antenna 5 OFDMA MODE: 26-Tone, RU Index 18**

| Channel | Frequency<br>(MHz) | 99% Bandwidth<br>Antenna 6<br>(MHz) | 99% Bandwidth<br>Antenna 5<br>(MHz) |
|---------|--------------------|-------------------------------------|-------------------------------------|
| Mid     | 5775               | 37.146                              | 36.268                              |

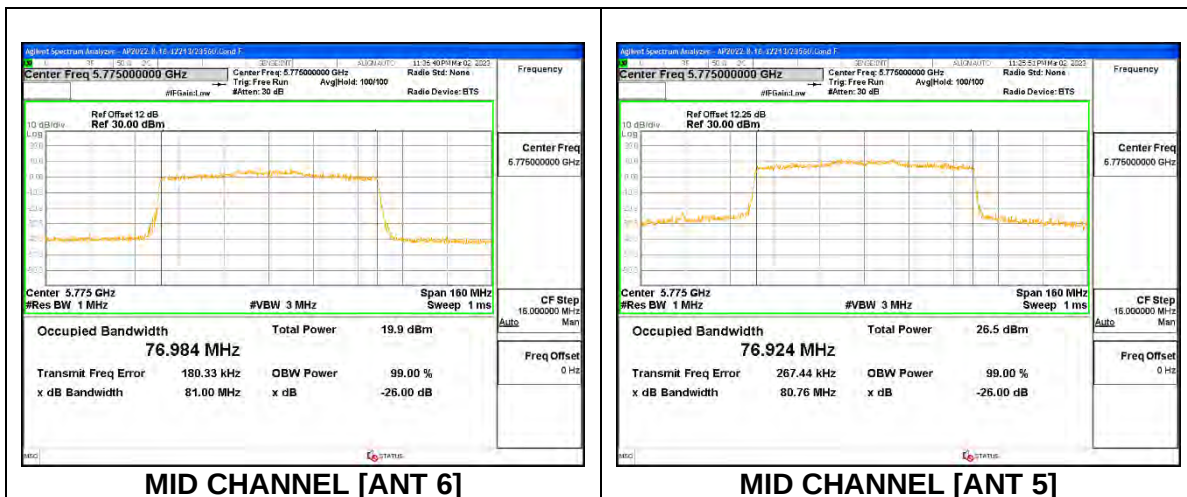


**2TX Antenna 6 + Antenna 5 OFDMA MODE: 26-Tone, RU Index 36**

| Channel | Frequency<br>(MHz) | 99% Bandwidth<br>Antenna 6<br>(MHz) | 99% Bandwidth<br>Antenna 5<br>(MHz) |
|---------|--------------------|-------------------------------------|-------------------------------------|
| Mid     | 5775               | 18.156                              | 17.597                              |

**2TX Antenna 6 + Antenna 5 OFDMA MODE: SU, Single User**

| Channel | Frequency<br>(MHz) | 99% Bandwidth<br>Antenna 6<br>(MHz) | 99% Bandwidth<br>Antenna 5<br>(MHz) |
|---------|--------------------|-------------------------------------|-------------------------------------|
| Mid     | 5775               | 76.984                              | 76.924                              |



### **9.3. 6 dB BANDWIDTH**

#### **LIMITS**

FCC §15.407 (e)

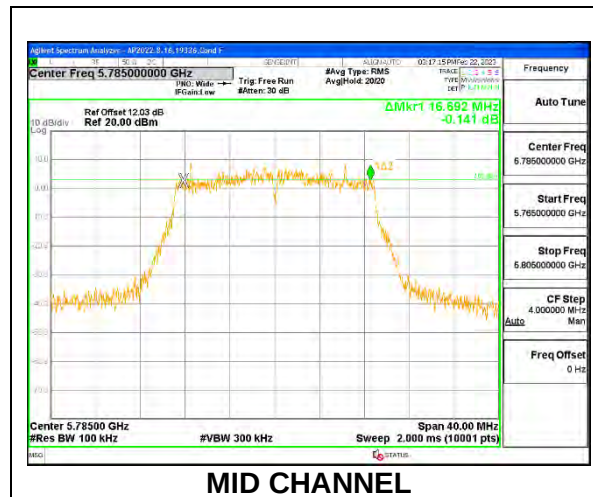
The minimum 6 dB bandwidth shall be at least 500 kHz.

#### **RESULTS**

### 9.3.1. 802.11n HT20 MODE IN THE 5.8 GHz BAND

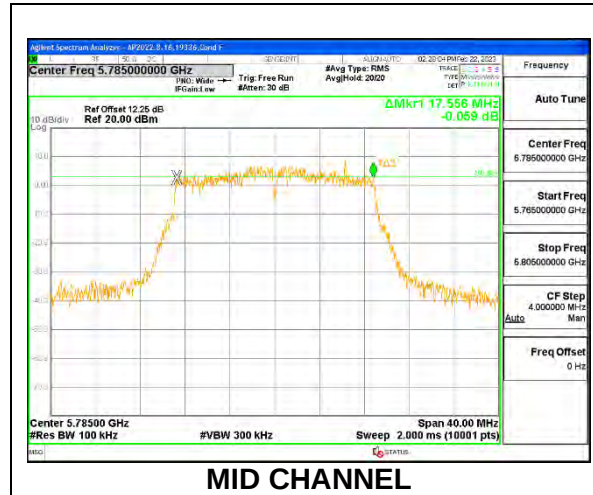
#### 1TX Antenna 6 MODE

| Channel | Frequency (MHz) | 6 dB Bandwidth (MHz) | Minimum Limit (MHz) |
|---------|-----------------|----------------------|---------------------|
| Low     | 5745            | 17.532               | 0.5                 |
| Mid     | 5785            | 16.692               | 0.5                 |
| High    | 5825            | 17.544               | 0.5                 |
| 144     | 5720            | 3.892                | 0.5                 |



**1TX Antenna 5 MODE**

| Channel | Frequency (MHz) | 6 dB Bandwidth (MHz) | Minimum Limit (MHz) |
|---------|-----------------|----------------------|---------------------|
| Low     | 5745            | 17.580               | 0.5                 |
| Mid     | 5785            | 17.556               | 0.5                 |
| High    | 5825            | 17.152               | 0.5                 |
| 144     | 5720            | 3.904                | 0.5                 |



**2TX Antenna 6 + Antenna 5 CDD MODE**

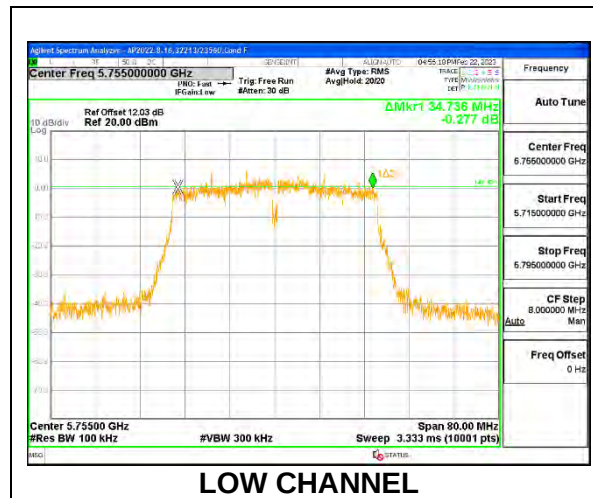
| Channel | Frequency<br>(MHz) | 6 dB Bandwidth<br>Antenna 6<br>(MHz) | 6 dB Bandwidth<br>Antenna 5<br>(MHz) | Minimum<br>Limit<br>(MHz) |
|---------|--------------------|--------------------------------------|--------------------------------------|---------------------------|
| Low     | 5745               | 17.604                               | 17.568                               | 0.5                       |
| Mid     | 5785               | 17.596                               | 17.600                               | 0.5                       |
| High    | 5825               | 14.664                               | 17.552                               | 0.5                       |
| 144     | 5720               | 3.816                                | 3.796                                | 0.5                       |



### 9.3.2. 802.11n HT40 MODE IN THE 5.8 GHz BAND

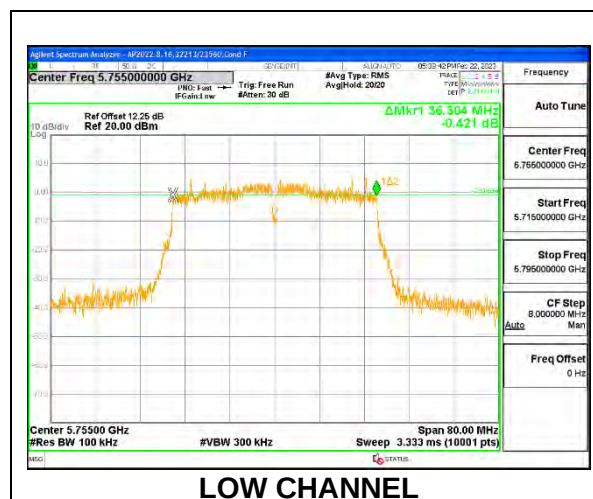
#### 1TX Antenna 6 MODE

| Channel | Frequency (MHz) | 6 dB Bandwidth (MHz) | Minimum Limit (MHz) |
|---------|-----------------|----------------------|---------------------|
| Low     | 5755            | 34.736               | 0.5                 |
| High    | 5795            | 34.824               | 0.5                 |
| 142     | 5710            | 3.280                | 0.5                 |



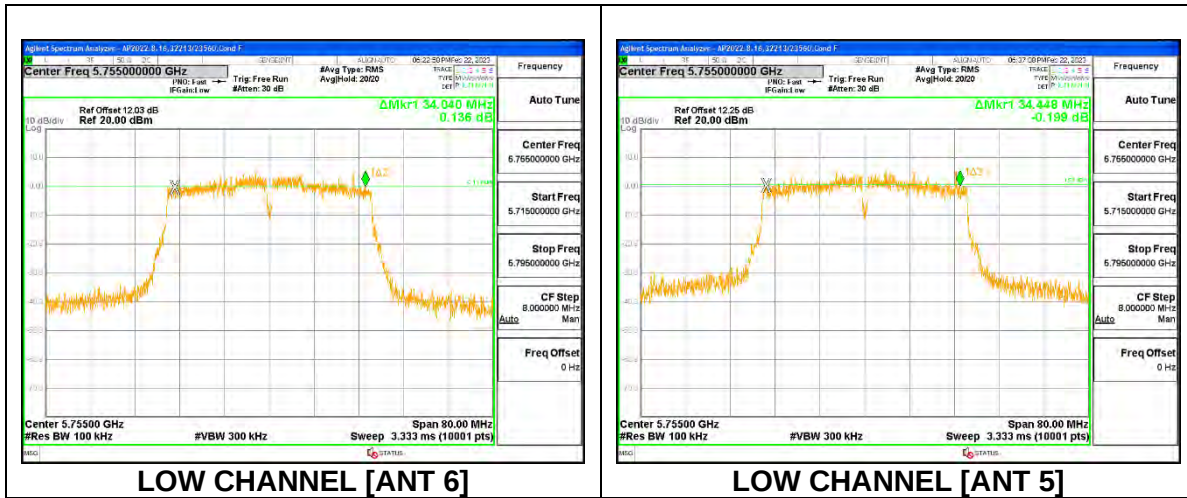
#### 1TX Antenna 5 MODE

| Channel | Frequency (MHz) | 6 dB Bandwidth (MHz) | Minimum Limit (MHz) |
|---------|-----------------|----------------------|---------------------|
| Low     | 5755            | 36.304               | 0.5                 |
| High    | 5795            | 34.928               | 0.5                 |
| 142     | 5710            | 3.216                | 0.5                 |



**2TX Antenna 6 + Antenna 5 CDD MODE**

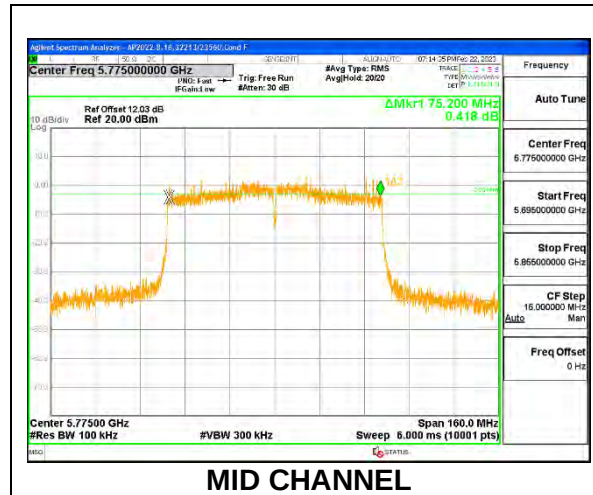
| Channel | Frequency<br>(MHz) | 6 dB Bandwidth<br>Antenna 6<br>(MHz) | 6 dB Bandwidth<br>Antenna 5<br>(MHz) | Minimum<br>Limit<br>(MHz) |
|---------|--------------------|--------------------------------------|--------------------------------------|---------------------------|
| Low     | 5755               | 34.040                               | 34.448                               | 0.5                       |
| High    | 5795               | 35.112                               | 34.744                               | 0.5                       |
| 142     | 5710               | 3.200                                | 3.184                                | 0.5                       |



### 9.3.3. 802.11ac VHT80 MODE IN THE 5.8 GHz BAND

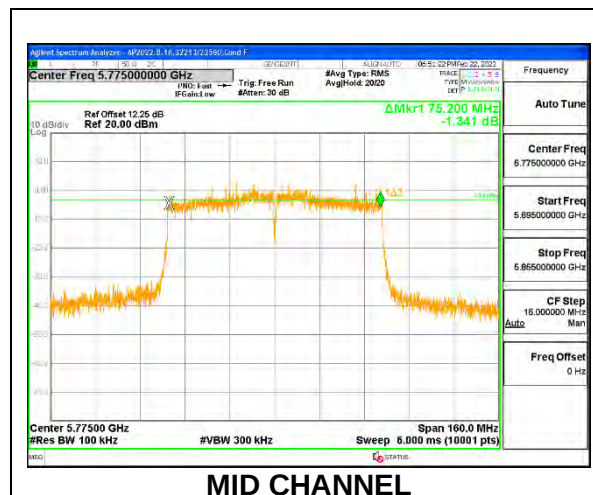
#### 1TX Antenna 6 MODE

| Channel | Frequency (MHz) | 6 dB Bandwidth (MHz) | Minimum Limit (MHz) |
|---------|-----------------|----------------------|---------------------|
| Mid     | 5775            | 75.200               | 0.5                 |
| 138     | 5690            | 3.192                | 0.5                 |



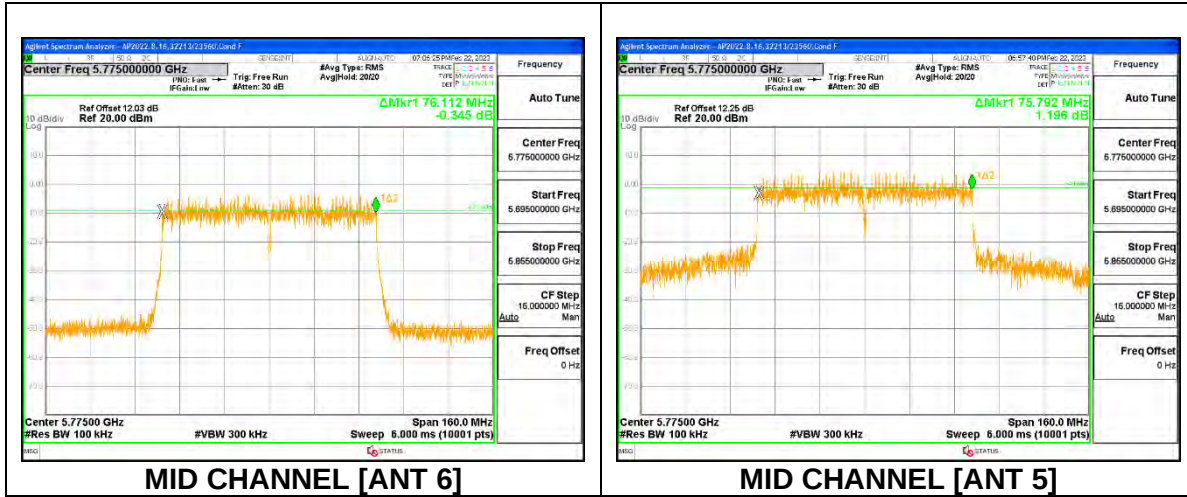
#### 1TX Antenna 5 MODE

| Channel | Frequency (MHz) | 6 dB Bandwidth (MHz) | Minimum Limit (MHz) |
|---------|-----------------|----------------------|---------------------|
| Mid     | 5775            | 75.200               | 0.5                 |
| 138     | 5690            | 3.224                | 0.5                 |



**2TX Antenna 6 + Antenna 5 CDD MODE**

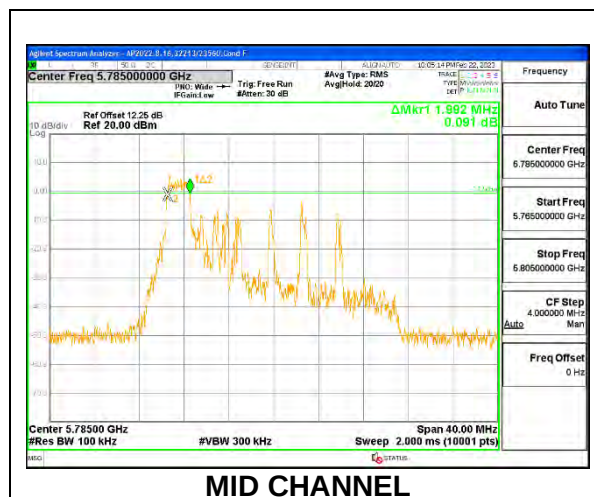
| Channel | Frequency<br>(MHz) | 6 dB Bandwidth<br>Antenna 6<br>(MHz) | 6 dB Bandwidth<br>Antenna 5<br>(MHz) | Minimum<br>Limit<br>(MHz) |
|---------|--------------------|--------------------------------------|--------------------------------------|---------------------------|
| Mid     | 5775               | 76.112                               | 75.792                               | 0.5                       |
| 138     | 5690               | 3.160                                | 3.224                                | 0.5                       |



### 9.3.4. 802.11ax HE20 MODE IN THE 5.8 GHz BAND

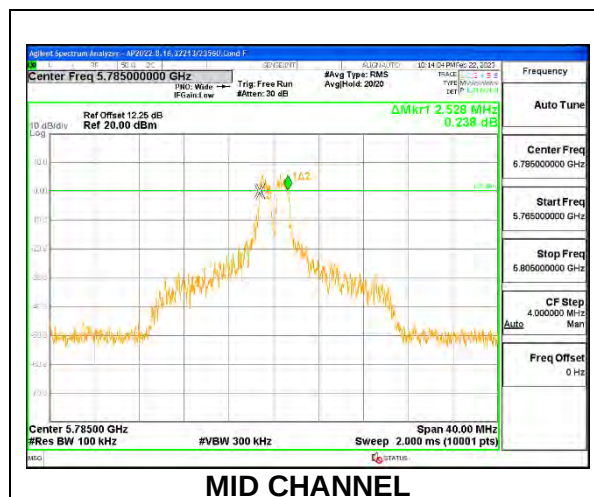
#### 1TX Antenna 6 MODE: 26-Tone, RU Index 0

| Channel | Frequency (MHz) | 6 dB Bandwidth (MHz) | Minimum Limit (MHz) |
|---------|-----------------|----------------------|---------------------|
| Low     | 5745            | 1.9988               | 0.5                 |
| Mid     | 5785            | 1.992                | 0.5                 |
| High    | 5825            | 2.028                | 0.5                 |



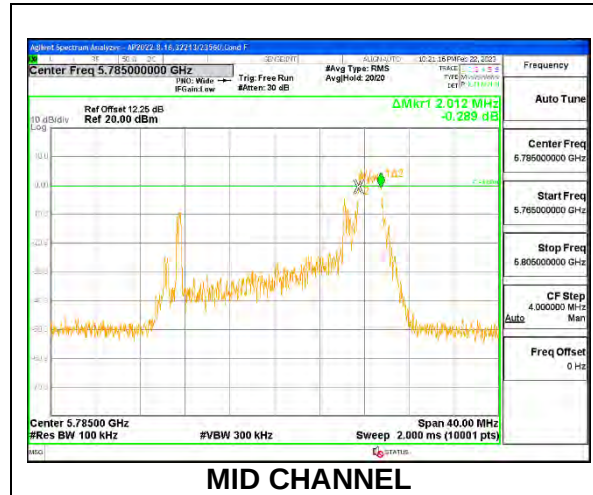
#### 1TX Antenna 6 MODE: 26-Tone, RU Index 4

| Channel | Frequency (MHz) | 6 dB Bandwidth (MHz) | Minimum Limit (MHz) |
|---------|-----------------|----------------------|---------------------|
| Low     | 5745            | 2.652                | 0.5                 |
| Mid     | 5785            | 2.528                | 0.5                 |
| High    | 5825            | 2.520                | 0.5                 |

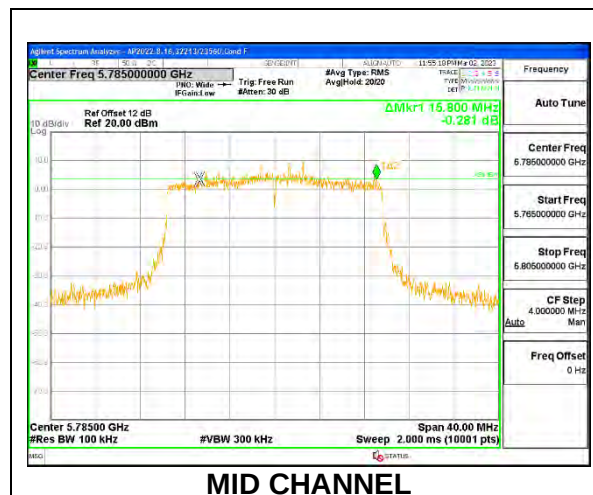


**1TX Antenna 6 MODE: 26-Tone, RU Index 8**

| Channel | Frequency (MHz) | 6 dB Bandwidth (MHz) | Minimum Limit (MHz) |
|---------|-----------------|----------------------|---------------------|
| Low     | 5745            | 1.992                | 0.5                 |
| Mid     | 5785            | 2.012                | 0.5                 |
| High    | 5825            | 1.980                | 0.5                 |
| 144     | 5720            | 2.000                | 0.5                 |

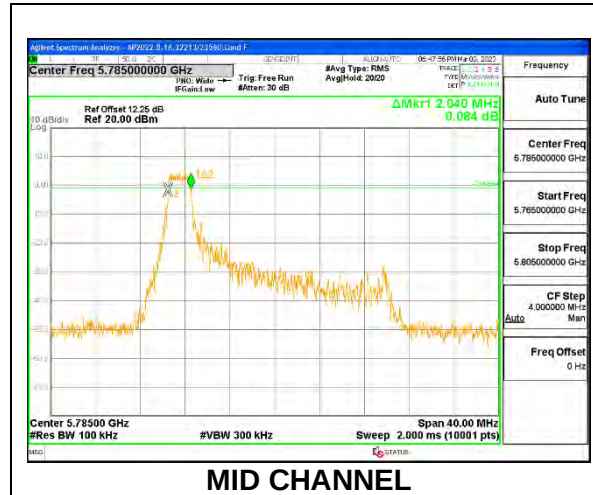
**1TX Antenna 6 MODE: SU, Single User**

| Channel | Frequency (MHz) | 6 dB Bandwidth (MHz) | Minimum Limit (MHz) |
|---------|-----------------|----------------------|---------------------|
| Low     | 5745            | 18.560               | 0.5                 |
| Mid     | 5785            | 15.800               | 0.5                 |
| High    | 5825            | 16.868               | 0.5                 |
| 144     | 5720            | 4.532                | 0.5                 |

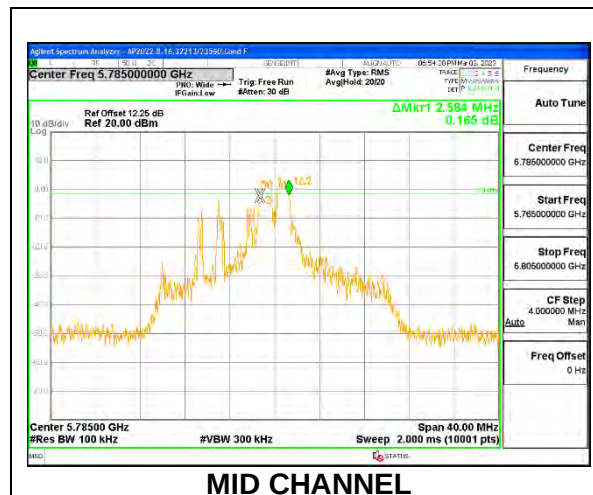


**1TX Antenna 5 MODE: 26-Tone, RU Index 0**

| Channel | Frequency (MHz) | 6 dB Bandwidth (MHz) | Minimum Limit (MHz) |
|---------|-----------------|----------------------|---------------------|
| Low     | 5745            | 2.000                | 0.5                 |
| Mid     | 5785            | 2.040                | 0.5                 |
| High    | 5825            | 1.960                | 0.5                 |

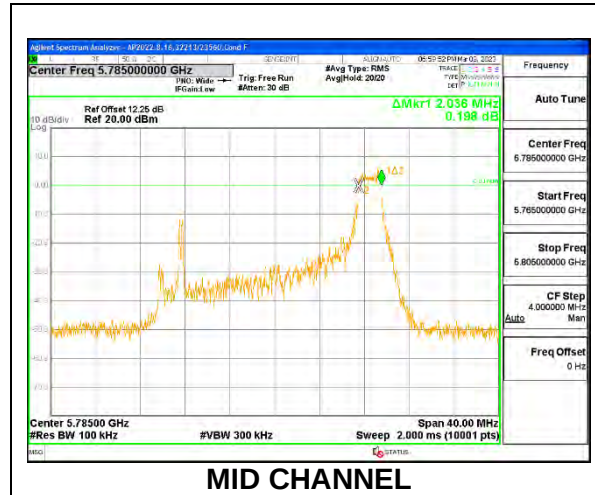
**1TX Antenna 5 MODE: 26-Tone, RU Index 4**

| Channel | Frequency (MHz) | 6 dB Bandwidth (MHz) | Minimum Limit (MHz) |
|---------|-----------------|----------------------|---------------------|
| Low     | 5745            | 2.556                | 0.5                 |
| Mid     | 5785            | 2.584                | 0.5                 |
| High    | 5825            | 2.620                | 0.5                 |

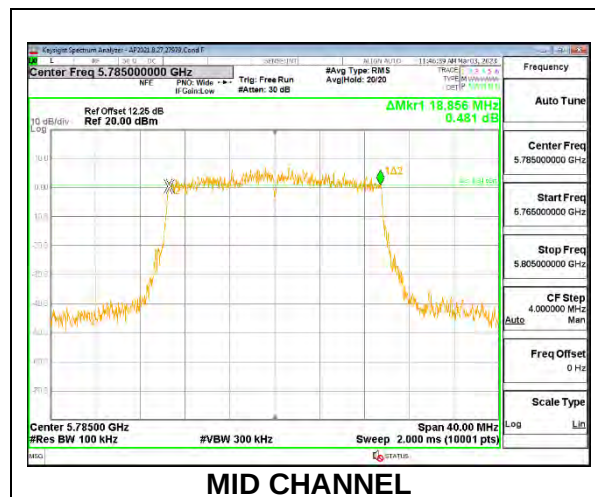


**1TX Antenna 5 MODE: 26-Tone, RU Index 8**

| Channel | Frequency (MHz) | 6 dB Bandwidth (MHz) | Minimum Limit (MHz) |
|---------|-----------------|----------------------|---------------------|
| Low     | 5745            | 2.020                | 0.5                 |
| Mid     | 5785            | 2.036                | 0.5                 |
| High    | 5825            | 2.012                | 0.5                 |
| 144     | 5720            | 2.000                | 0.5                 |

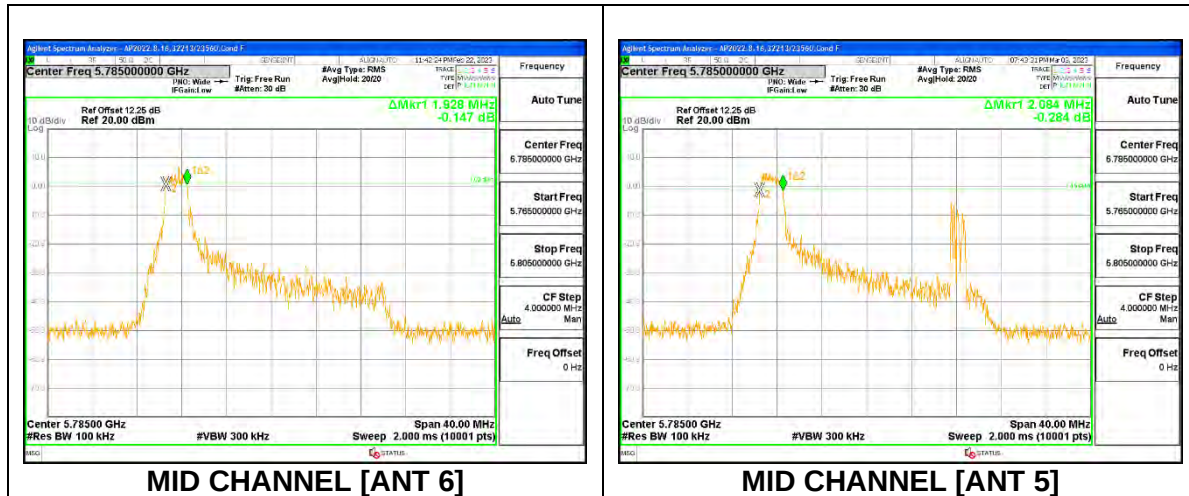
**1TX Antenna 5 MODE: SU, Single User**

| Channel | Frequency (MHz) | 6 dB Bandwidth (MHz) | Minimum Limit (MHz) |
|---------|-----------------|----------------------|---------------------|
| Low     | 5745            | 16.844               | 0.5                 |
| Mid     | 5785            | 18.856               | 0.5                 |
| High    | 5825            | 18.468               | 0.5                 |
| 144     | 5720            | 4.368                | 0.5                 |

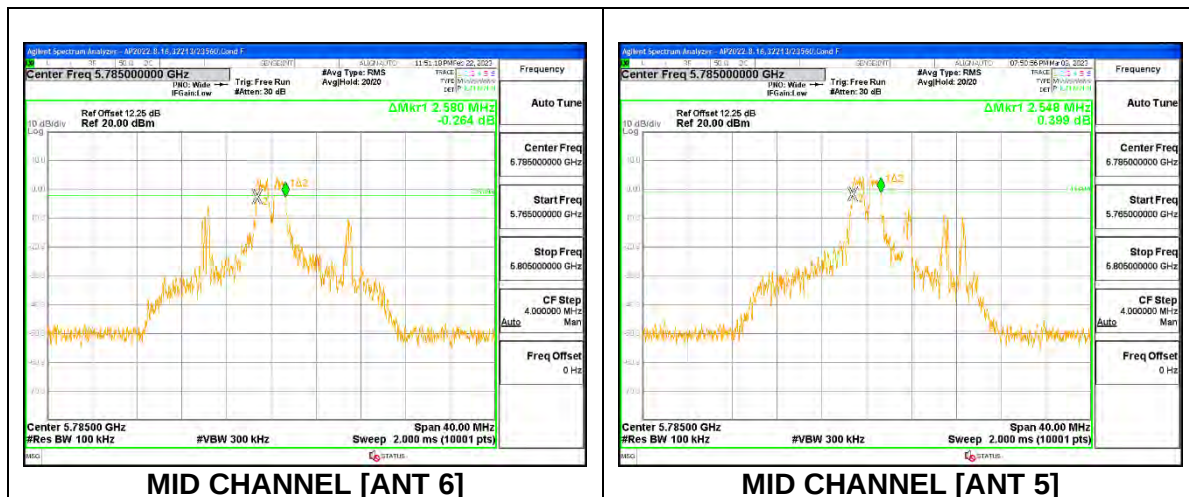


**2TX Antenna 6 + Antenna 5 OFDMA MODE: 26-Tone, RU Index 0**

| Channel | Frequency<br>(MHz) | 6 dB Bandwidth<br>Antenna 6<br>(MHz) | 6 dB Bandwidth<br>Antenna 5<br>(MHz) | Minimum<br>Limit<br>(MHz) |
|---------|--------------------|--------------------------------------|--------------------------------------|---------------------------|
| Low     | 5745               | 2.032                                | 2.036                                | 0.5                       |
| Mid     | 5785               | 1.928                                | 2.084                                | 0.5                       |
| High    | 5825               | 1.984                                | 2.036                                | 0.5                       |

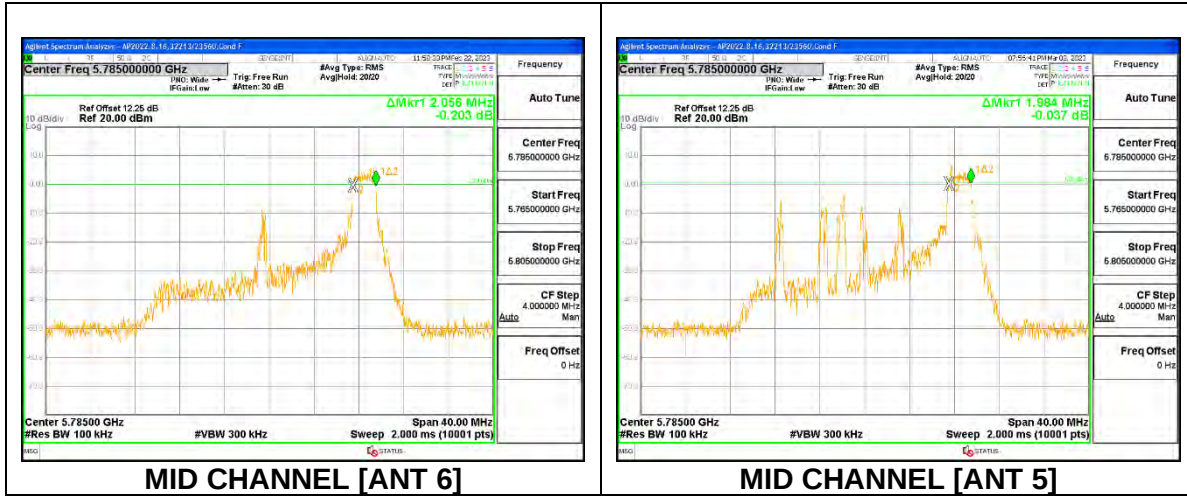
**2TX Antenna 6 + Antenna 5 OFDMA MODE: 26-Tone, RU Index 4**

| Channel | Frequency<br>(MHz) | 6 dB Bandwidth<br>Antenna 6<br>(MHz) | 6 dB Bandwidth<br>Antenna 5<br>(MHz) | Minimum<br>Limit<br>(MHz) |
|---------|--------------------|--------------------------------------|--------------------------------------|---------------------------|
| Low     | 5745               | 2.568                                | 2.640                                | 0.5                       |
| Mid     | 5785               | 2.580                                | 2.548                                | 0.5                       |
| High    | 5825               | 2.624                                | 2.556                                | 0.5                       |



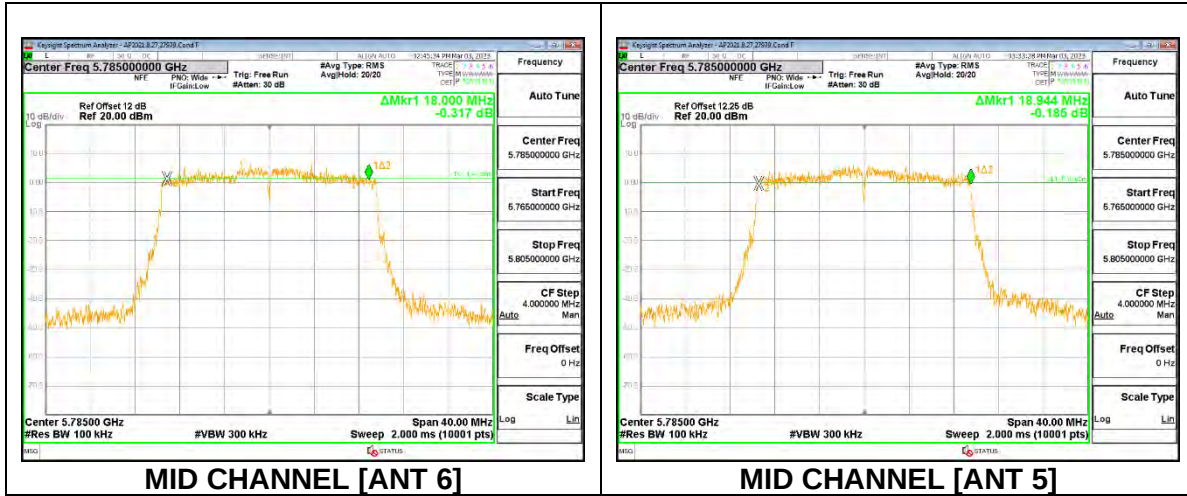
**2TX Antenna 6 + Antenna 5 OFDMA MODE: 26-Tone, RU Index 8**

| Channel | Frequency<br>(MHz) | 6 dB Bandwidth<br>Antenna 6<br>(MHz) | 6 dB Bandwidth<br>Antenna 5<br>(MHz) | Minimum<br>Limit<br>(MHz) |
|---------|--------------------|--------------------------------------|--------------------------------------|---------------------------|
| Low     | 5745               | 1.960                                | 2.008                                | 0.5                       |
| Mid     | 5785               | 2.056                                | 1.984                                | 0.5                       |
| High    | 5825               | 2.000                                | 2.064                                | 0.5                       |
| 144     | 5720               | 1.984                                | 2.000                                | 0.5                       |



**2TX Antenna 6 + Antenna 5 OFDMA MODE: SU, Single User**

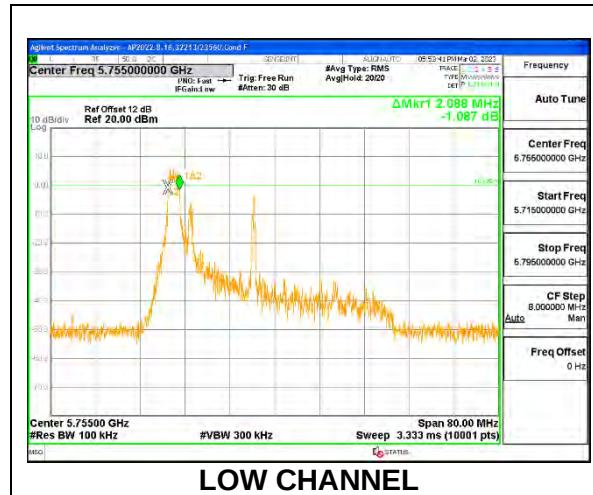
| Channel | Frequency<br>(MHz) | 6 dB Bandwidth<br>Antenna 6<br>(MHz) | 6 dB Bandwidth<br>Antenna 5<br>(MHz) | Minimum<br>Limit<br>(MHz) |
|---------|--------------------|--------------------------------------|--------------------------------------|---------------------------|
| Low     | 5745               | 17.028                               | 18.900                               | 0.5                       |
| Mid     | 5785               | 18.000                               | 18.944                               | 0.5                       |
| High    | 5825               | 18.764                               | 18.856                               | 0.5                       |
| 144     | 5720               | 4.600                                | 4.480                                | 0.5                       |



### 9.3.5. 802.11ax HE40 MODE IN THE 5.8 GHz BAND

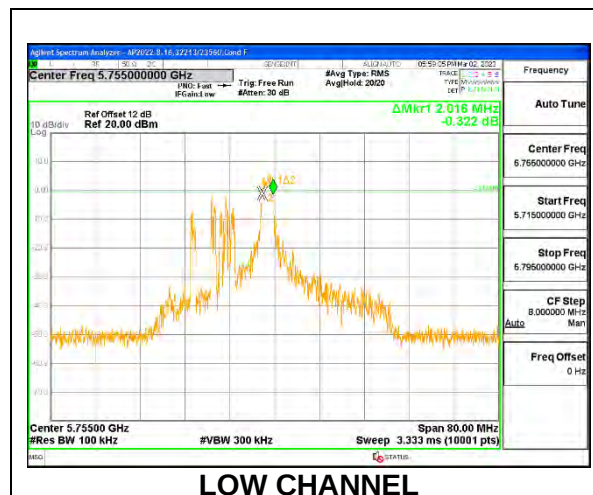
#### 1TX Antenna 6 MODE: 26-Tone, RU Index 0

| Channel | Frequency (MHz) | 6 dB Bandwidth (MHz) | Minimum Limit (MHz) |
|---------|-----------------|----------------------|---------------------|
| Low     | 5755            | 2.088                | 0.5                 |
| High    | 5795            | 1.992                | 0.5                 |



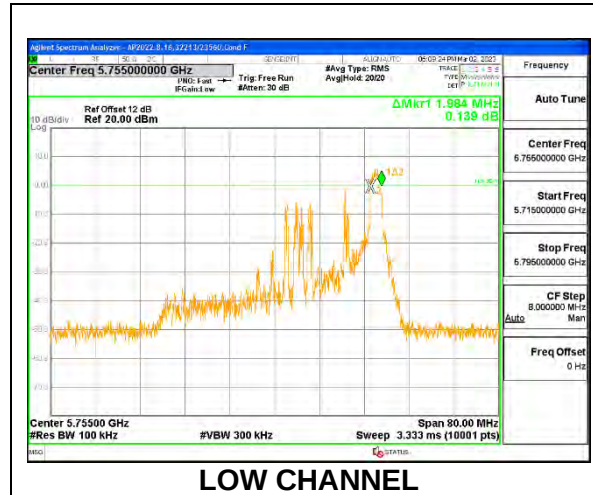
#### 1TX Antenna 6 MODE: 26-Tone, RU Index 8

| Channel | Frequency (MHz) | 6 dB Bandwidth (MHz) | Minimum Limit (MHz) |
|---------|-----------------|----------------------|---------------------|
| Low     | 5755            | 2.016                | 0.5                 |
| High    | 5795            | 2.032                | 0.5                 |

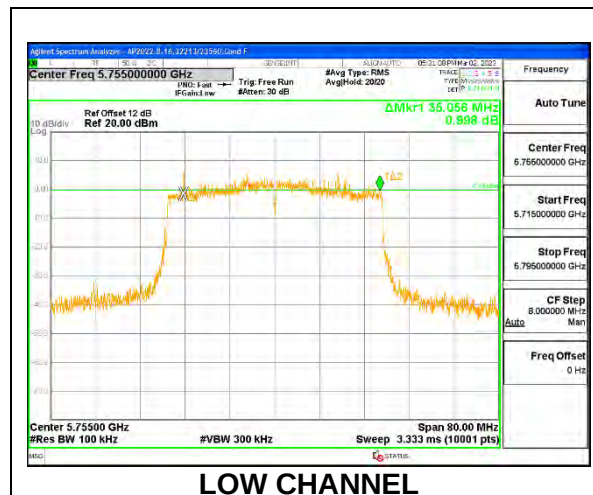


**1TX Antenna 6 MODE: 26-Tone, RU Index 17**

| Channel | Frequency (MHz) | 6 dB Bandwidth (MHz) | Minimum Limit (MHz) |
|---------|-----------------|----------------------|---------------------|
| Low     | 5755            | 1.984                | 0.5                 |
| High    | 5795            | 2.008                | 0.5                 |
| 142     | 5710            | 2.016                | 0.5                 |

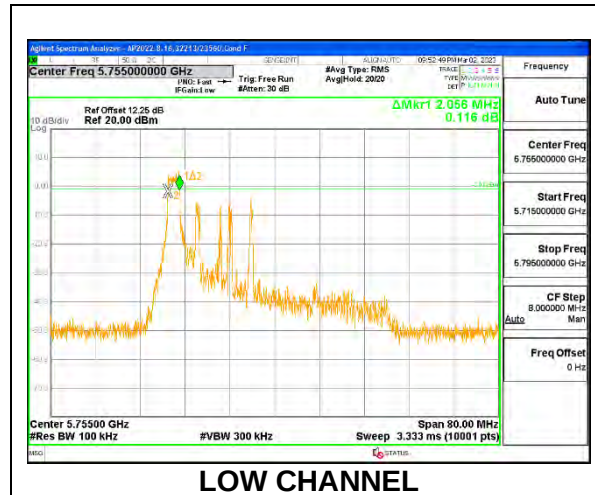
**1TX Antenna 6 MODE: SU, Single User**

| Channel | Frequency (MHz) | 6 dB Bandwidth (MHz) | Minimum Limit (MHz) |
|---------|-----------------|----------------------|---------------------|
| Low     | 5755            | 35.056               | 0.5                 |
| High    | 5795            | 36.392               | 0.5                 |
| 142     | 5710            | 4.048                | 0.5                 |

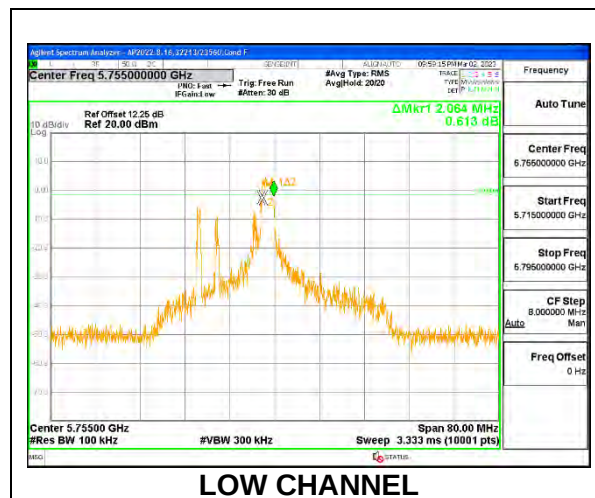


**1TX Antenna 5 MODE: 26-Tone, RU Index 0**

| Channel | Frequency (MHz) | 6 dB Bandwidth (MHz) | Minimum Limit (MHz) |
|---------|-----------------|----------------------|---------------------|
| Low     | 5755            | 2.056                | 0.5                 |
| High    | 5795            | 2.048                | 0.5                 |

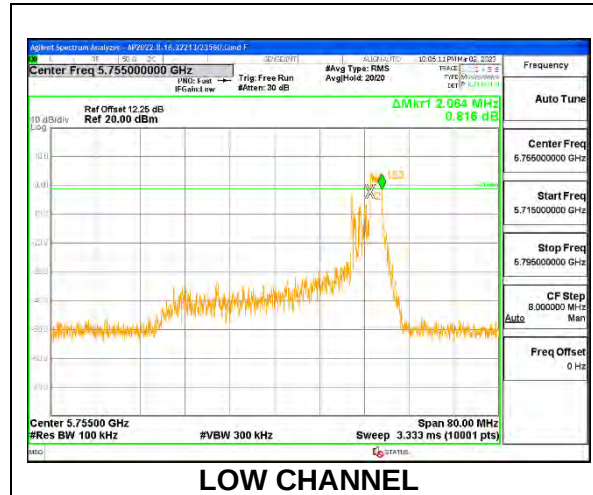
**1TX Antenna 5 MODE: 26-Tone, RU Index 8**

| Channel | Frequency (MHz) | 6 dB Bandwidth (MHz) | Minimum Limit (MHz) |
|---------|-----------------|----------------------|---------------------|
| Low     | 5755            | 2.064                | 0.5                 |
| High    | 5795            | 2.008                | 0.5                 |

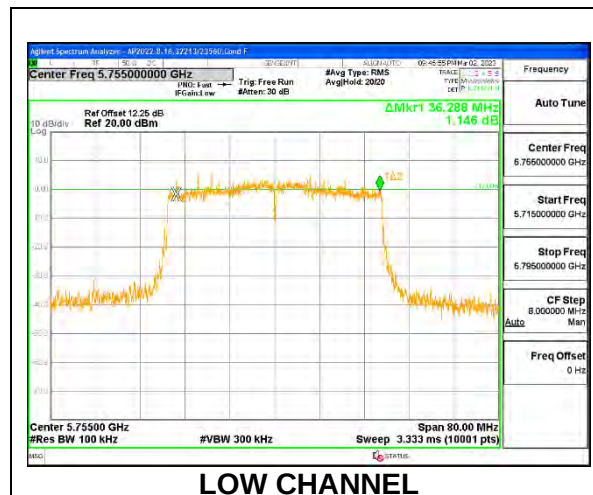


**1TX Antenna 5 MODE: 26-Tone, RU Index 17**

| Channel | Frequency (MHz) | 6 dB Bandwidth (MHz) | Minimum Limit (MHz) |
|---------|-----------------|----------------------|---------------------|
| Low     | 5755            | 2.064                | 0.5                 |
| High    | 5795            | 1.968                | 0.5                 |
| 142     | 5710            | 2.056                | 0.5                 |

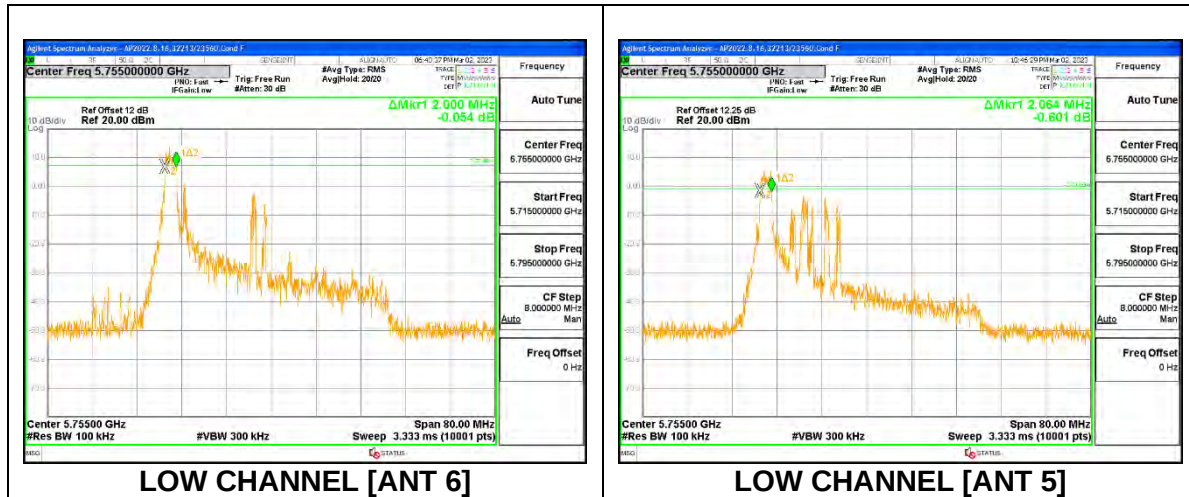
**1TX Antenna 5 MODE: SU, Single User**

| Channel | Frequency (MHz) | 6 dB Bandwidth (MHz) | Minimum Limit (MHz) |
|---------|-----------------|----------------------|---------------------|
| Low     | 5755            | 36.288               | 0.5                 |
| High    | 5795            | 37.496               | 0.5                 |
| 142     | 5710            | 4.368                | 0.5                 |

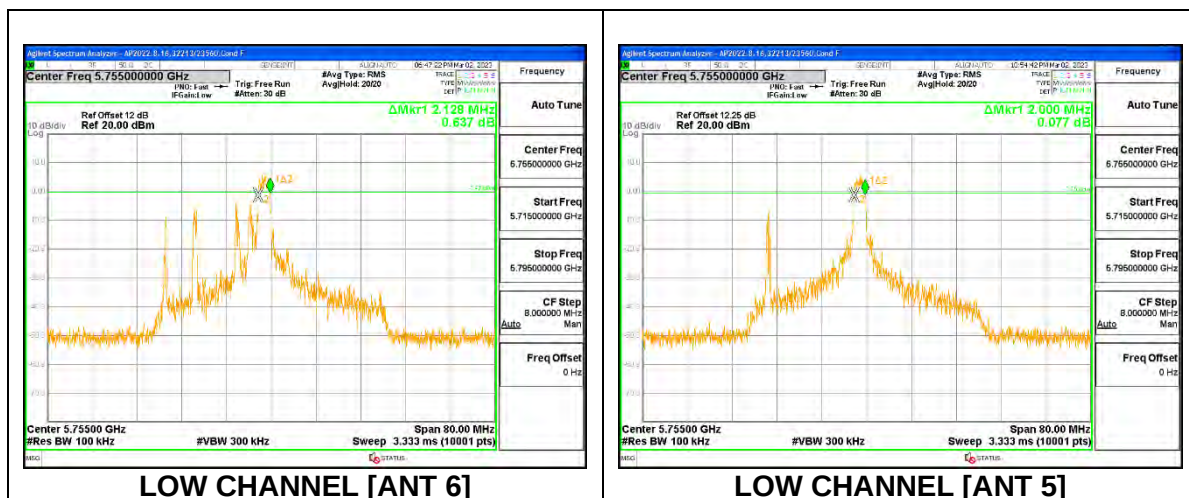


**2TX Antenna 6 + Antenna 5 OFDMA MODE: 26-Tone, RU Index 0**

| Channel | Frequency<br>(MHz) | 6 dB Bandwidth<br>Antenna 6<br>(MHz) | 6 dB Bandwidth<br>Antenna 5<br>(MHz) | Minimum<br>Limit<br>(MHz) |
|---------|--------------------|--------------------------------------|--------------------------------------|---------------------------|
| Low     | 5755               | 2.000                                | 2.064                                | 0.5                       |
| High    | 5795               | 2.008                                | 2.024                                | 0.5                       |

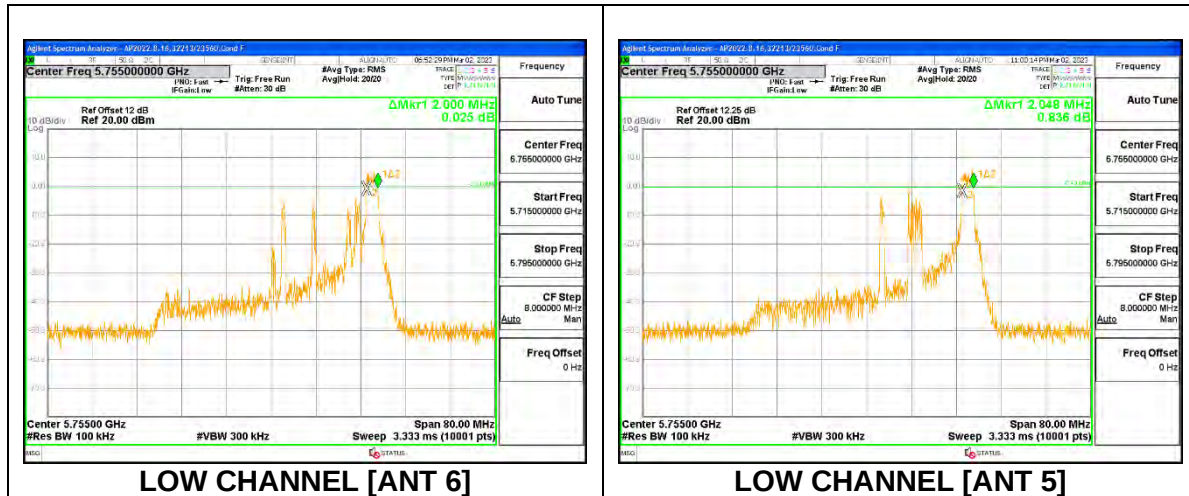
**2TX Antenna 6 + Antenna 5 OFDMA MODE: 26-Tone, RU Index 8**

| Channel | Frequency<br>(MHz) | 6 dB Bandwidth<br>Antenna 6<br>(MHz) | 6 dB Bandwidth<br>Antenna 5<br>(MHz) | Minimum<br>Limit<br>(MHz) |
|---------|--------------------|--------------------------------------|--------------------------------------|---------------------------|
| Low     | 5755               | 2.128                                | 2.000                                | 0.5                       |
| High    | 5795               | 2.056                                | 2.056                                | 0.5                       |

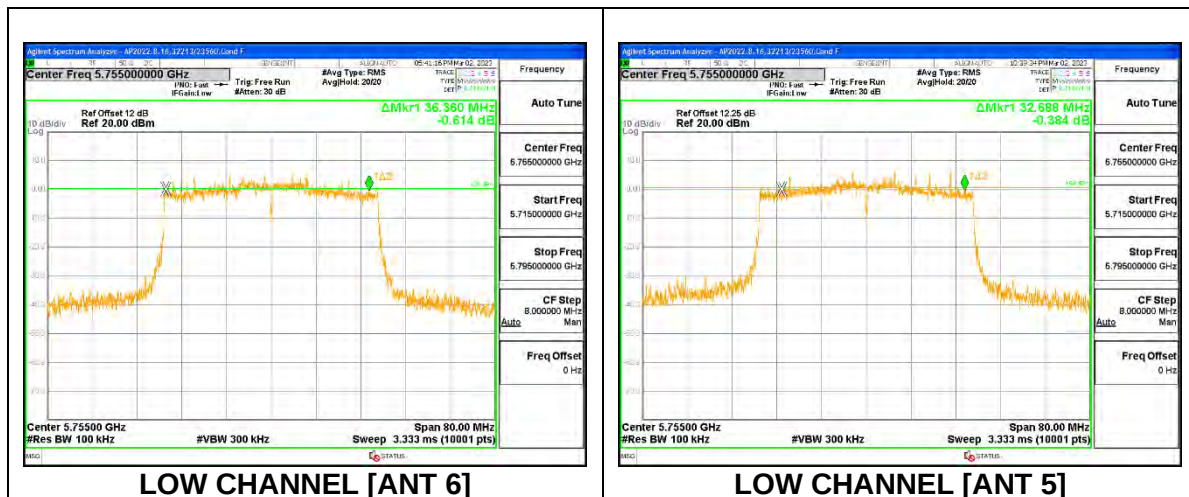


**2TX Antenna 6 + Antenna 5 OFDMA MODE: 26-Tone, RU Index 17**

| Channel | Frequency<br>(MHz) | 6 dB Bandwidth<br>Antenna 6<br>(MHz) | 6 dB Bandwidth<br>Antenna 5<br>(MHz) | Minimum<br>Limit<br>(MHz) |
|---------|--------------------|--------------------------------------|--------------------------------------|---------------------------|
| Low     | 5755               | 2.000                                | 2.048                                | 0.5                       |
| High    | 5795               | 2.032                                | 2.040                                | 0.5                       |
| 142     | 5710               | 2.064                                | 2.016                                | 0.5                       |

**2TX Antenna 6 + Antenna 5 OFDMA MODE: SU, Single User**

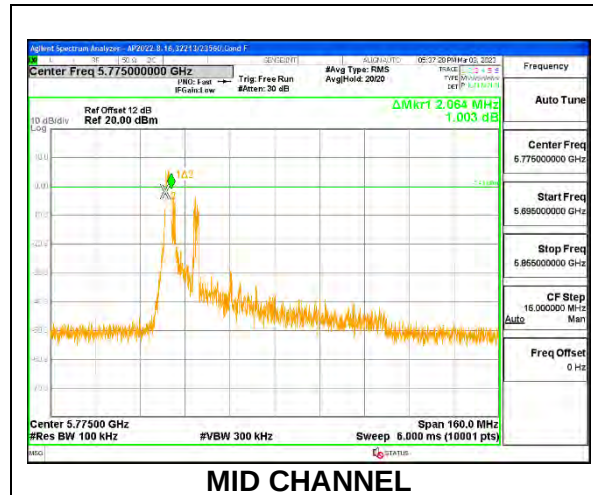
| Channel | Frequency<br>(MHz) | 6 dB Bandwidth<br>Antenna 6<br>(MHz) | 6 dB Bandwidth<br>Antenna 5<br>(MHz) | Minimum<br>Limit<br>(MHz) |
|---------|--------------------|--------------------------------------|--------------------------------------|---------------------------|
| Low     | 5755               | 36.360                               | 32.688                               | 0.5                       |
| High    | 5795               | 36.088                               | 36.624                               | 0.5                       |
| 142     | 5710               | 3.840                                | 3.912                                | 0.5                       |



### 9.3.6. 802.11ax HE80 MODE IN THE 5.8 GHz BAND

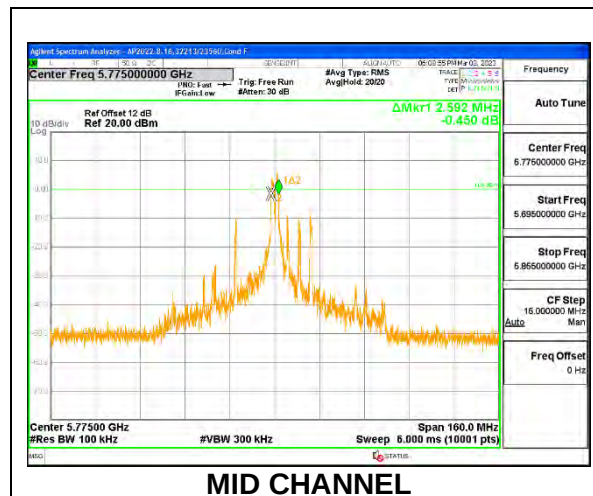
#### 1TX Antenna 6 MODE: 26-Tone, RU Index 0

| Channel | Frequency (MHz) | 6 dB Bandwidth (MHz) | Minimum Limit (MHz) |
|---------|-----------------|----------------------|---------------------|
| Mid     | 5775            | 2.064                | 0.5                 |



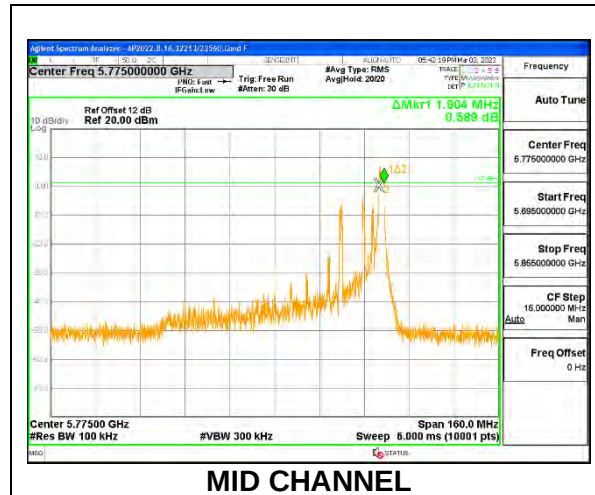
#### 1TX Antenna 6 MODE: 26-Tone, RU Index 18

| Channel | Frequency (MHz) | 6 dB Bandwidth (MHz) | Minimum Limit (MHz) |
|---------|-----------------|----------------------|---------------------|
| Mid     | 5775            | 2.592                | 0.5                 |

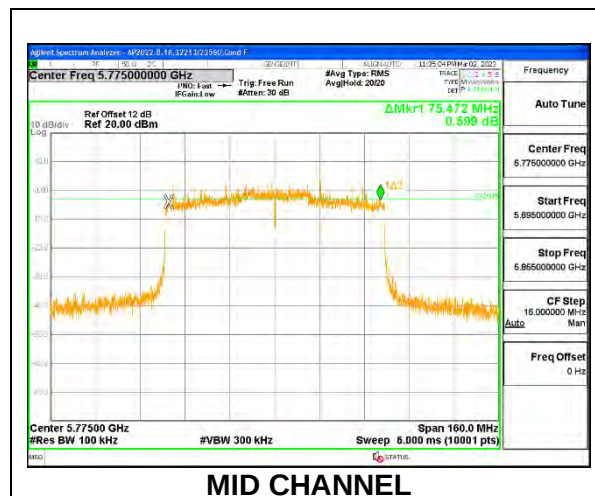


**1TX Antenna 6 MODE: 26-Tone, RU Index 36**

| Channel | Frequency (MHz) | 6 dB Bandwidth (MHz) | Minimum Limit (MHz) |
|---------|-----------------|----------------------|---------------------|
| Mid     | 5775            | 1.904                | 0.5                 |
| 138     | 5690            | 1.952                | 0.5                 |

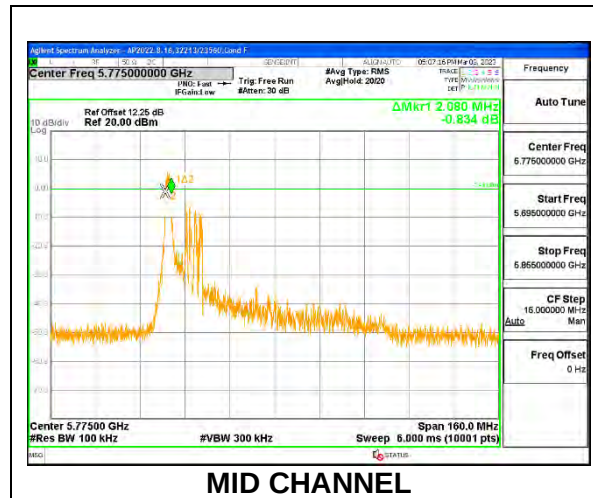
**1TX Antenna 6 MODE: SU, Single User**

| Channel | Frequency (MHz) | 6 dB Bandwidth (MHz) | Minimum Limit (MHz) |
|---------|-----------------|----------------------|---------------------|
| Mid     | 5775            | 75.472               | 0.5                 |
| 138     | 5690            | 3.992                | 0.5                 |

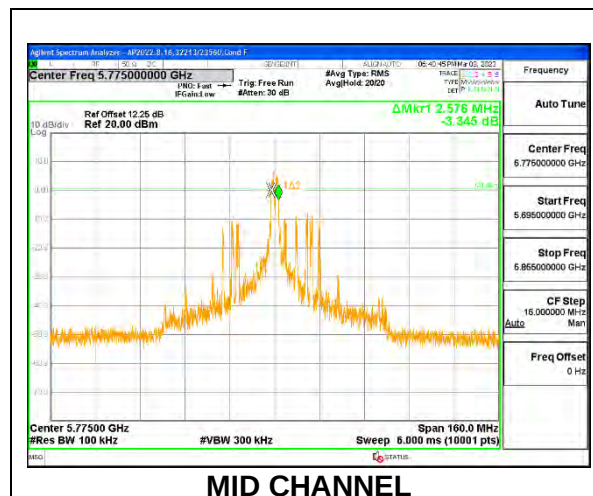


**1TX Antenna 5 MODE: 26-Tone, RU Index 0**

| Channel | Frequency (MHz) | 6 dB Bandwidth (MHz) | Minimum Limit (MHz) |
|---------|-----------------|----------------------|---------------------|
| Mid     | 5775            | 2.080                | 0.5                 |

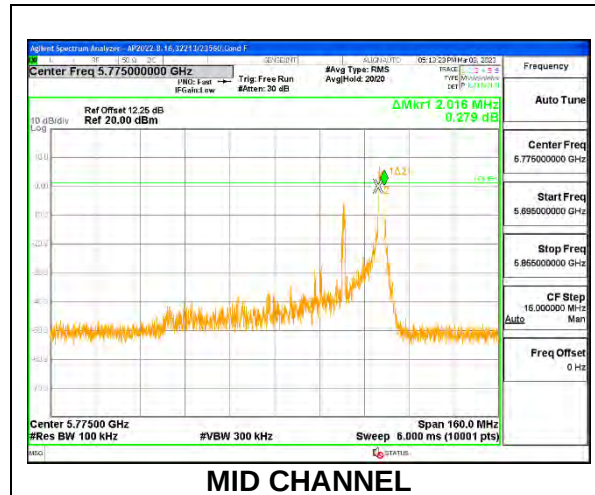
**1TX Antenna 5 MODE: 26-Tone, RU Index 18**

| Channel | Frequency (MHz) | 6 dB Bandwidth (MHz) | Minimum Limit (MHz) |
|---------|-----------------|----------------------|---------------------|
| Mid     | 5775            | 2.576                | 0.5                 |

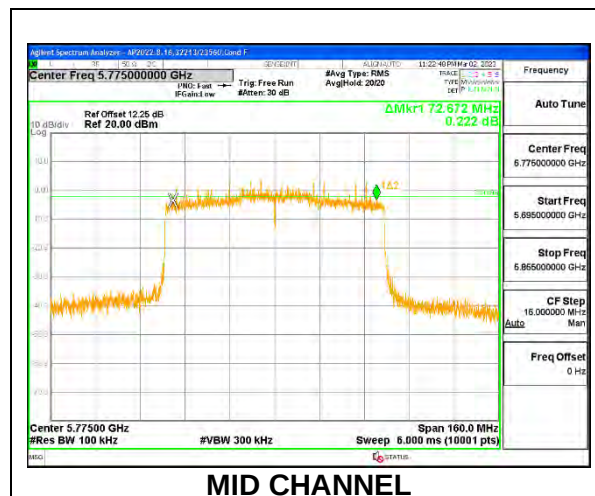


**1TX Antenna 5 MODE: 26-Tone, RU Index 36**

| Channel | Frequency (MHz) | 6 dB Bandwidth (MHz) | Minimum Limit (MHz) |
|---------|-----------------|----------------------|---------------------|
| Mid     | 5775            | 2.016                | 0.5                 |
| 138     | 5690            | 2.048                | 0.5                 |

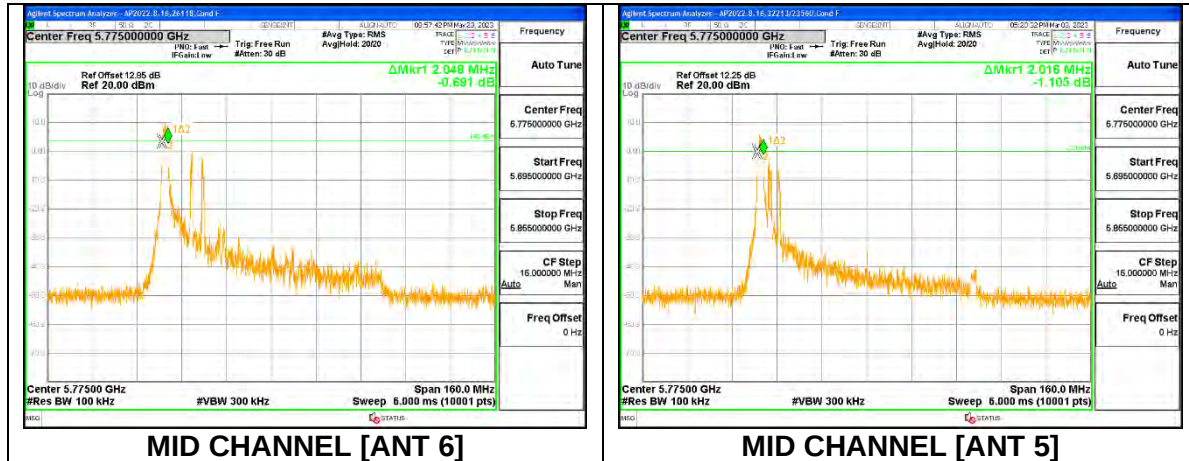
**1TX Antenna 5 MODE: SU, Single User**

| Channel | Frequency (MHz) | 6 dB Bandwidth (MHz) | Minimum Limit (MHz) |
|---------|-----------------|----------------------|---------------------|
| Mid     | 5775            | 72.672               | 0.5                 |
| 138     | 5690            | 3.800                | 0.5                 |

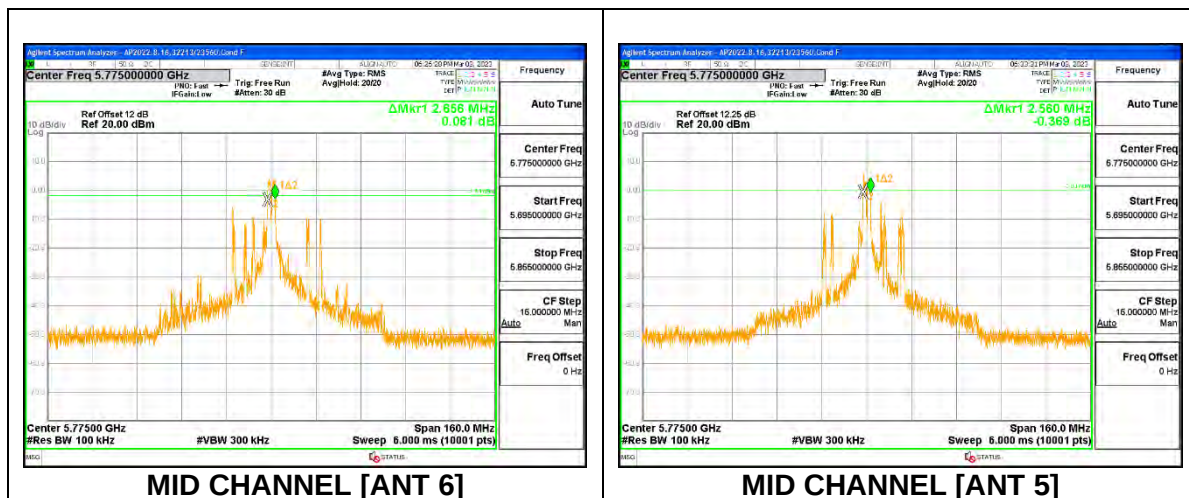


**2TX Antenna 6 + Antenna 5 OFDMA MODE: 26-Tone, RU Index 0**

| Channel | Frequency<br>(MHz) | 6 dB Bandwidth<br>Antenna 6<br>(MHz) | 6 dB Bandwidth<br>Antenna 5<br>(MHz) | Minimum<br>Limit<br>(MHz) |
|---------|--------------------|--------------------------------------|--------------------------------------|---------------------------|
| Mid     | 5775               | 2.048                                | 2.016                                | 0.5                       |

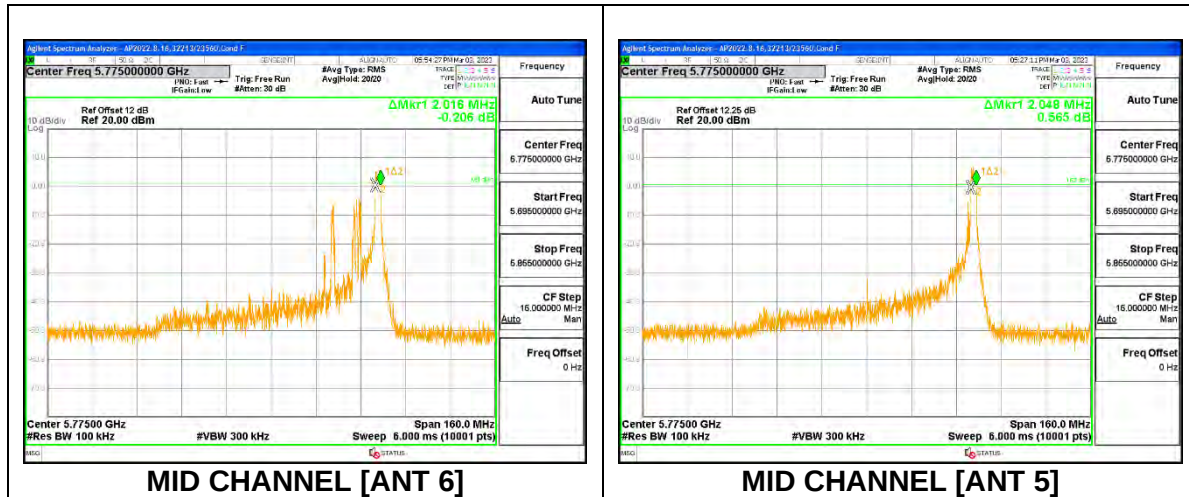
**2TX Antenna 6 + Antenna 5 OFDMA MODE: 26-Tone, RU Index 18**

| Channel | Frequency<br>(MHz) | 6 dB Bandwidth<br>Antenna 6<br>(MHz) | 6 dB Bandwidth<br>Antenna 5<br>(MHz) | Minimum<br>Limit<br>(MHz) |
|---------|--------------------|--------------------------------------|--------------------------------------|---------------------------|
| Mid     | 5775               | 2.656                                | 2.560                                | 0.5                       |

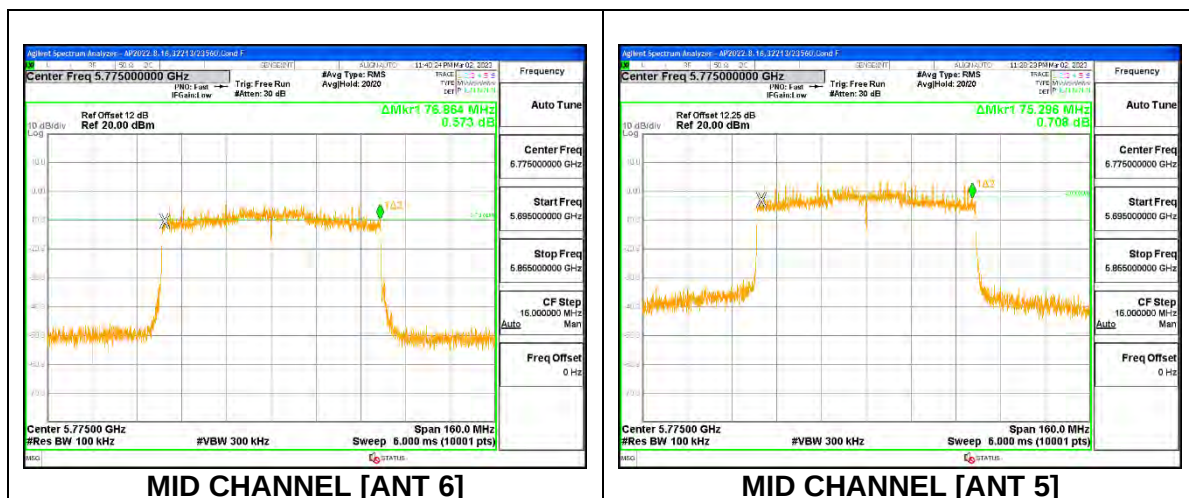


**2TX Antenna 6 + Antenna 5 OFDMA MODE: 26-Tone, RU Index 36**

| Channel | Frequency<br>(MHz) | 6 dB Bandwidth<br>Antenna 6<br>(MHz) | 6 dB Bandwidth<br>Antenna 5<br>(MHz) | Minimum<br>Limit<br>(MHz) |
|---------|--------------------|--------------------------------------|--------------------------------------|---------------------------|
| Mid     | 5775               | 2.016                                | 2.047                                | 0.5                       |
| 138     | 5690               | 1.984                                | 2.064                                | 0.5                       |

**2TX Antenna 6 + Antenna 5 OFDMA MODE: SU, Single User**

| Channel | Frequency<br>(MHz) | 6 dB Bandwidth<br>Antenna 6<br>(MHz) | 6 dB Bandwidth<br>Antenna 5<br>(MHz) | Minimum<br>Limit<br>(MHz) |
|---------|--------------------|--------------------------------------|--------------------------------------|---------------------------|
| Mid     | 5775               | 76.864                               | 75.296                               | 0.5                       |
| 138     | 5690               | 3.944                                | 3.432                                | 0.5                       |



---

## 9.4. OUTPUT POWER AND PSD

### LIMITS

#### **FCC §15.407**

##### **Band 5.15–5.25 GHz**

(iv) 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.

### TEST PROCEDURE

The measurement method used for output power is KDB 789033 D02 v02r01, Section E.3.b (Method PM-G).

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

For all straddle channels, full bandwidth power and PSD/MHz are reported in the 5.6GHz section because the combined 5.6GHz and 5.8GHz power and PSD/MHz already passed the worst-case 5.6GHz power and 5.8 GHz PSD/500kHz limits.

11n HT20 and 11ax HE20 straddle channel  $26\text{dB bandwidth} = (26\text{dB BW}/2)+5$

**DIRECTIONAL ANTENNA GAIN**

For 1 TX:

There is only one transmitter output therefore the directional gain is equal to the antenna gain.

For 2 TX:

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

| Band<br>(GHz) | Antenna 6<br>Gain<br>(dBi) | Antenna 5<br>Gain<br>(dBi) | Uncorrelated Chains<br>Directional<br>Gain<br>(dBi) | Correlated Chains<br>Directional<br>Gain<br>(dBi) |
|---------------|----------------------------|----------------------------|-----------------------------------------------------|---------------------------------------------------|
| 5.2           | -3.40                      | -6.00                      | -4.51                                               | -1.59                                             |
| 5.3           | -3.20                      | -6.00                      | -4.38                                               | -1.48                                             |
| 5.6           | -4.50                      | -3.70                      | -4.08                                               | -1.08                                             |
| 5.8           | -5.20                      | -3.60                      | -4.33                                               | -1.35                                             |

**DIRECTIONAL GAIN CALCULATION:**

ANSI C63.10-2013 section 14.4.3

Uncorrelated directional gain= $10 \cdot \log((10^{(\text{Ant6}/10)} + 10^{(\text{Ant5}/10)})/2)$

Correlated directional Gain= $10 \cdot \log(((10^{(\text{Ant6}/20)} + 10^{(\text{Ant5}/20)})^2)/2)$

Sample Calculation at 5.2GHz Band:

Ant6=-3.40, Ant5=-6.00

Uncorrelated Antenna gain= $10 \log[(10^{(-3.40/10)} + 10^{(-6.00/10)})/2] = -4.51 \text{ dBi}$

Correlated Antenna gain= $10 \log[(10^{(-3.40/20)} + 10^{(-6.00/20)})^2/2] = -1.59 \text{ dBi}$

### 9.4.1. 802.11n HT20 MODE IN THE 5.2 GHz BAND

#### 1TX Antenna 6 MODE (FCC) MOBILE

|                |            |
|----------------|------------|
| Test Engineer: | 19336      |
| Test Date:     | 02/27/2023 |

#### Antenna Gain and Limits

| Channel | Frequency<br>(MHz) | Directional<br>Gain<br>(dBi) | Power<br>Limit<br>(dBm) | PSD<br>Limit<br>(dBm/1MHz) |
|---------|--------------------|------------------------------|-------------------------|----------------------------|
| Low     | 5180               | -3.40                        | 24.00                   | 11.00                      |
| Mid     | 5200               | -3.40                        | 24.00                   | 11.00                      |
| High    | 5240               | -3.40                        | 24.00                   | 11.00                      |

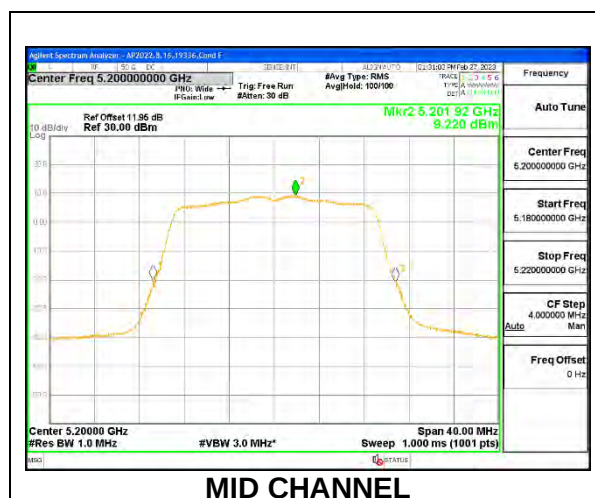
|                    |      |                                        |
|--------------------|------|----------------------------------------|
| Duty Cycle CF (dB) | 0.18 | Included in Calculations of Corr'd PSD |
|--------------------|------|----------------------------------------|

#### Output Power Results

| Channel | Frequency<br>(MHz) | Antenna 6<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     | 5180               | 18.73                               | 18.73                             | 24.00                   | -5.27                   |
| Mid     | 5200               | 19.22                               | 19.22                             | 24.00                   | -4.78                   |
| High    | 5240               | 19.23                               | 19.23                             | 24.00                   | -4.77                   |

#### PSD Results

| Channel | Frequency<br>(MHz) | Antenna 6<br>Meas<br>PSD<br>(dBm/1MHz) | Total<br>Corr'd<br>PSD<br>(dBm/1MHz) | PSD<br>Limit<br>(dBm/ 1MHz) | PSD<br>Margin<br>(dB) |
|---------|--------------------|----------------------------------------|--------------------------------------|-----------------------------|-----------------------|
| Low     | 5180               | 8.932                                  | 9.112                                | 11.000                      | -1.888                |
| Mid     | 5200               | 9.220                                  | 9.400                                | 11.000                      | -1.600                |
| High    | 5240               | 9.241                                  | 9.421                                | 11.000                      | -1.579                |



**1TX Antenna 5 MODE (FCC) MOBILE**

|                       |            |
|-----------------------|------------|
| <b>Test Engineer:</b> | 19336      |
| <b>Test Date:</b>     | 02/27/2023 |

**Antenna Gain and Limits**

| Channel | Frequency<br>(MHz) | Directional<br>Gain<br>(dBi) | Power<br>Limit<br>(dBm) | PSD<br>Limit<br>(dBm/1MHz) |
|---------|--------------------|------------------------------|-------------------------|----------------------------|
| Low     | 5180               | -6.00                        | 24.00                   | 11.00                      |
| Mid     | 5200               | -6.00                        | 24.00                   | 11.00                      |
| High    | 5240               | -6.00                        | 24.00                   | 11.00                      |

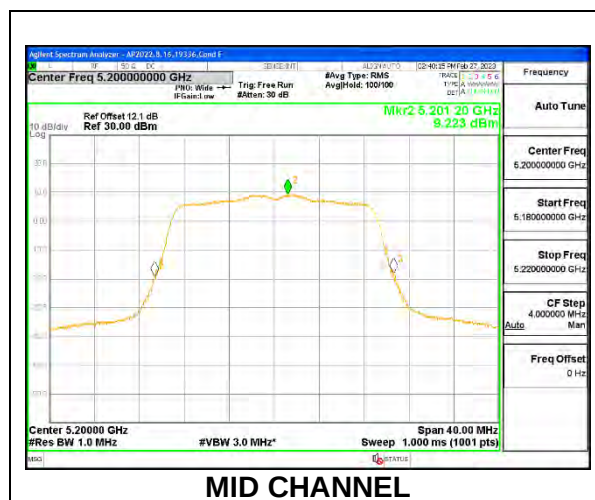
|                           |      |                                               |
|---------------------------|------|-----------------------------------------------|
| <b>Duty Cycle CF (dB)</b> | 0.18 | <b>Included in Calculations of Corr'd PSD</b> |
|---------------------------|------|-----------------------------------------------|

**Output Power Results**

| Channel | Frequency<br>(MHz) | Antenna 5<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     | 5180               | 18.74                               | 18.74                             | 24.00                   | -5.26                   |
| Mid     | 5200               | 19.20                               | 19.20                             | 24.00                   | -4.80                   |
| High    | 5240               | 19.23                               | 19.23                             | 24.00                   | -4.77                   |

**PSD Results**

| Channel | Frequency<br>(MHz) | Antenna 5<br>Meas<br>PSD<br>(dBm/1MHz) | Total<br>Corr'd<br>PSD<br>(dBm/1MHz) | PSD<br>Limit<br>(dBm/ 1MHz) | PSD<br>Margin<br>(dB) |
|---------|--------------------|----------------------------------------|--------------------------------------|-----------------------------|-----------------------|
| Low     | 5180               | 8.838                                  | 9.018                                | 11.000                      | -1.982                |
| Mid     | 5200               | 9.223                                  | 9.403                                | 11.000                      | -1.597                |
| High    | 5240               | 9.382                                  | 9.562                                | 11.000                      | -1.438                |



**2TX Antenna 6 + Antenna 5 CDD MODE (FCC) MOBILE**

|                |            |
|----------------|------------|
| Test Engineer: | 19336      |
| Test Date:     | 02/27/2023 |

**Antenna Gain and Limits**

| Channel | Frequency<br>(MHz) | Directional<br>Gain<br>for Power<br>(dBi) | Directional<br>Gain<br>for PSD<br>(dBi) | Power<br>Limit<br>(dBm) | PSD<br>Limit<br>(dBm/1MHz) |
|---------|--------------------|-------------------------------------------|-----------------------------------------|-------------------------|----------------------------|
| Low     | 5180               | -4.51                                     | -1.59                                   | 24.00                   | 11.00                      |
| Mid     | 5200               | -4.51                                     | -1.59                                   | 24.00                   | 11.00                      |
| High    | 5240               | -4.51                                     | -1.59                                   | 24.00                   | 11.00                      |

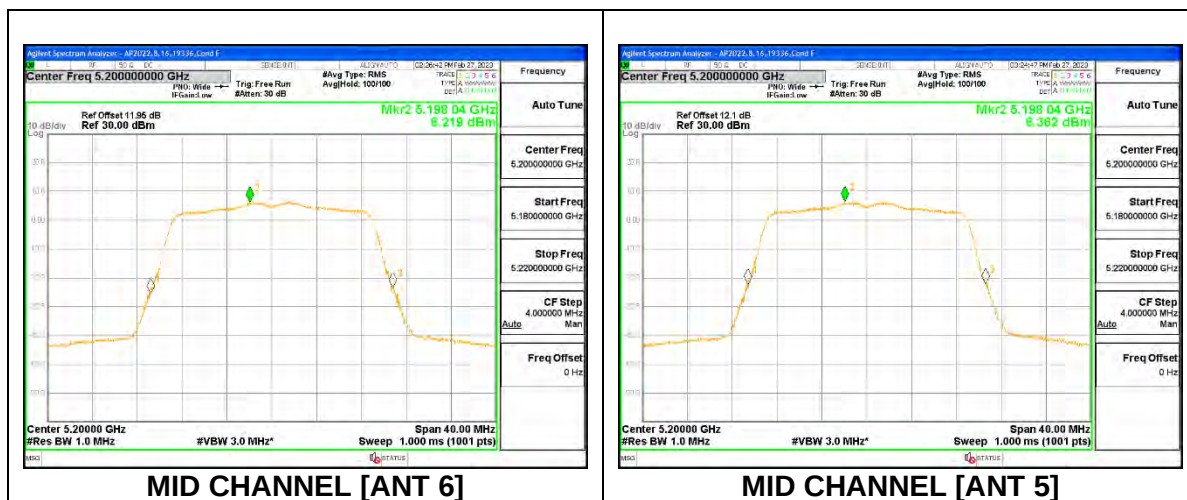
|                    |      |                                        |
|--------------------|------|----------------------------------------|
| Duty Cycle CF (dB) | 0.18 | Included in Calculations of Corr'd PSD |
|--------------------|------|----------------------------------------|

**Output Power Results**

| Channel | Frequency<br>(MHz) | Antenna 6<br>Meas<br>Power<br>(dBm) | Antenna 5<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     | 5180               | 16.18                               | 16.25                               | 19.23                             | 24.00                   | -4.77                   |
| Mid     | 5200               | 16.20                               | 16.23                               | 19.23                             | 24.00                   | -4.77                   |
| High    | 5240               | 16.24                               | 16.24                               | 19.25                             | 24.00                   | -4.75                   |

**PSD Results**

| Channel | Frequency<br>(MHz) | Antenna 6<br>Meas<br>PSD<br>(dBm/1MHz) | Antenna 5<br>Meas<br>PSD<br>(dBm/1MHz) | Total<br>Corr'd<br>PSD<br>(dBm/1MHz) | PSD<br>Limit<br>(dBm/ 1MHz) | PSD<br>Margin<br>(dB) |
|---------|--------------------|----------------------------------------|----------------------------------------|--------------------------------------|-----------------------------|-----------------------|
| Low     | 5180               | 6.174                                  | 6.446                                  | 9.502                                | 11.000                      | -1.498                |
| Mid     | 5200               | 6.219                                  | 6.362                                  | 9.481                                | 11.000                      | -1.519                |
| High    | 5240               | 6.515                                  | 6.462                                  | 9.679                                | 11.000                      | -1.321                |



## 9.4.2. 802.11n HT40 MODE IN THE 5.2 GHz BAND

### 1TX Antenna 6 MODE (FCC) MOBILE

|                |            |
|----------------|------------|
| Test Engineer: | 19336      |
| Test Date:     | 02/27/2023 |

#### Antenna Gain and Limits

| Channel | Frequency<br>(MHz) | Directional<br>Gain<br>for Power<br>(dBi) | Power<br>Limit<br>(dBm) | PSD<br>Limit<br>(dBm/1MHz) |
|---------|--------------------|-------------------------------------------|-------------------------|----------------------------|
| Low     | 5190               | -3.40                                     | 24.00                   | 11.00                      |
| High    | 5230               | -3.40                                     | 24.00                   | 11.00                      |

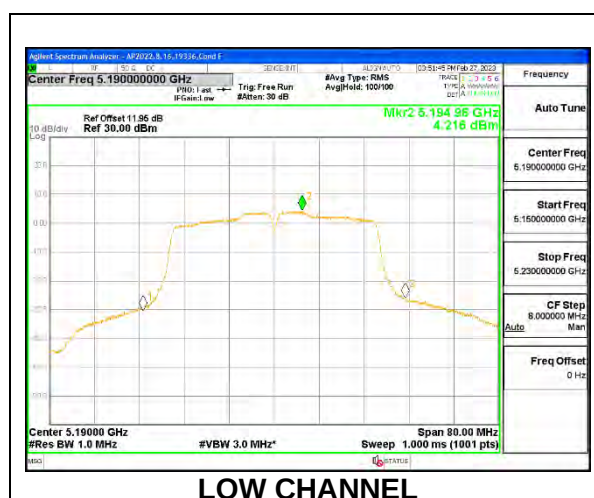
|                    |      |                                        |
|--------------------|------|----------------------------------------|
| Duty Cycle CF (dB) | 0.19 | Included in Calculations of Corr'd PSD |
|--------------------|------|----------------------------------------|

#### Output Power Results

| Channel | Frequency<br>(MHz) | Antenna 6<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     | 5190               | 17.20                               | 17.20                             | 24.00                   | -6.80                   |
| High    | 5230               | 20.22                               | 20.22                             | 24.00                   | -3.78                   |

#### PSD Results

| Channel | Frequency<br>(MHz) | Antenna 6<br>Meas<br>PSD<br>(dBm/1MHz) | Total<br>Corr'd<br>PSD<br>(dBm/1MHz) | PSD<br>Limit<br>(dBm/1MHz) | PSD<br>Margin<br>(dB) |
|---------|--------------------|----------------------------------------|--------------------------------------|----------------------------|-----------------------|
| Low     | 5190               | 4.216                                  | 4.406                                | 11.000                     | -6.594                |
| High    | 5230               | 7.307                                  | 7.497                                | 11.000                     | -3.503                |



**1TX Antenna 5 MODE (FCC) MOBILE**

|                |            |
|----------------|------------|
| Test Engineer: | 19336      |
| Test Date:     | 02/27/2023 |

**Antenna Gain and Limits**

| Channel | Frequency<br>(MHz) | Directional<br>Gain<br>for Power<br>(dBi) | Power<br>Limit<br>(dBm) | PSD<br>Limit<br>(dBm/1MHz) |
|---------|--------------------|-------------------------------------------|-------------------------|----------------------------|
| Low     | 5190               | -6.00                                     | 24.00                   | 11.00                      |
| High    | 5230               | -6.00                                     | 24.00                   | 11.00                      |

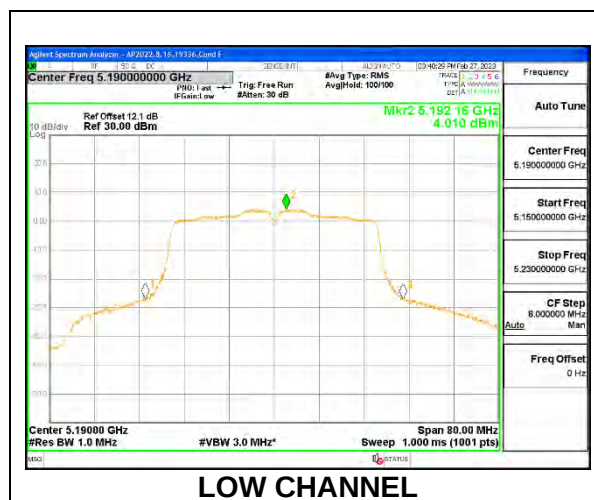
|                    |      |                                        |
|--------------------|------|----------------------------------------|
| Duty Cycle CF (dB) | 0.19 | Included in Calculations of Corr'd PSD |
|--------------------|------|----------------------------------------|

**Output Power Results**

| Channel | Frequency<br>(MHz) | Antenna 5<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     | 5190               | 17.17                               | 17.17                             | 24.00                   | -6.83                   |
| High    | 5230               | 20.24                               | 20.24                             | 24.00                   | -3.76                   |

**PSD Results**

| Channel | Frequency<br>(MHz) | Antenna 5<br>Meas<br>PSD<br>(dBm/1MHz) | Total<br>Corr'd<br>PSD<br>(dBm/1MHz) | PSD<br>Limit<br>(dBm/1MHz) | PSD<br>Margin<br>(dB) |
|---------|--------------------|----------------------------------------|--------------------------------------|----------------------------|-----------------------|
| Low     | 5190               | 4.010                                  | 4.200                                | 11.000                     | -6.800                |
| High    | 5230               | 7.385                                  | 7.575                                | 11.000                     | -3.425                |



**2TX Antenna 6 + Antenna 5 CDD MODE (FCC) MOBILE**

|                |            |
|----------------|------------|
| Test Engineer: | 19336      |
| Test Date:     | 02/28/2023 |

**Antenna Gain and Limits**

| Channel | Frequency<br>(MHz) | Directional<br>Gain<br>for Power<br>(dBi) | Directional<br>Gain<br>for PSD<br>(dBi) | Power<br>Limit<br>(dBm) | PSD<br>Limit<br>(dBm/1MHz) |
|---------|--------------------|-------------------------------------------|-----------------------------------------|-------------------------|----------------------------|
| Low     | 5190               | -4.51                                     | -1.59                                   | 24.00                   | 11.00                      |
| High    | 5230               | -4.51                                     | -1.59                                   | 24.00                   | 11.00                      |

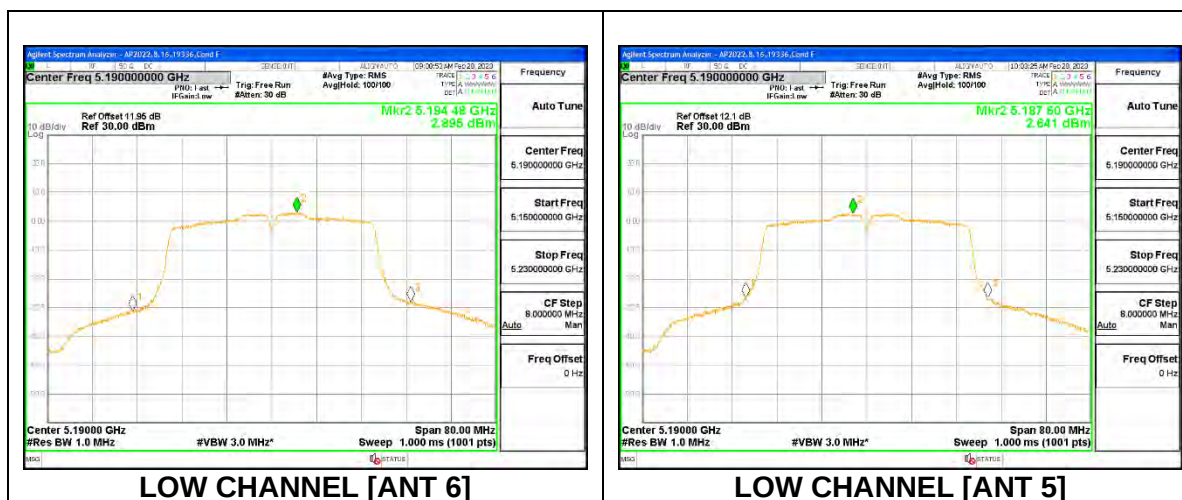
|                    |      |                                        |
|--------------------|------|----------------------------------------|
| Duty Cycle CF (dB) | 0.19 | Included in Calculations of Corr'd PSD |
|--------------------|------|----------------------------------------|

**Output Power Results**

| Channel | Frequency<br>(MHz) | Antenna 6<br>Meas<br>Power<br>(dBm) | Antenna 5<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     | 5190               | 15.74                               | 15.72                               | 18.74                             | 24.00                   | -5.26                   |
| High    | 5230               | 18.75                               | 18.73                               | 21.75                             | 24.00                   | -2.25                   |

**PSD Results**

| Channel | Frequency<br>(MHz) | Antenna 6<br>Meas<br>PSD<br>(dBm/1MHz) | Antenna 5<br>Meas<br>PSD<br>(dBm/1MHz) | Total<br>Corr'd<br>PSD<br>(dBm/1MHz) | PSD<br>Limit<br>(dBm/1MHz) | PSD<br>Margin<br>(dB) |
|---------|--------------------|----------------------------------------|----------------------------------------|--------------------------------------|----------------------------|-----------------------|
| Low     | 5190               | 2.895                                  | 2.641                                  | 5.970                                | 11.000                     | -5.030                |
| High    | 5230               | 5.981                                  | 5.956                                  | 9.169                                | 11.000                     | -1.831                |



### 9.4.3. 802.11ac VHT80 MODE IN THE 5.2 GHz BAND

#### 1TX Antenna 6 MODE (FCC) MOBILE

|                |            |
|----------------|------------|
| Test Engineer: | 19336      |
| Test Date:     | 02/28/2023 |

#### Antenna Gain and Limits

| Channel | Frequency<br>(MHz) | Directional<br>Gain<br>for Power<br>(dBi) | Power<br>Limit<br>(dBm) | PSD<br>Limit<br>(dBm/ 1MHz) |
|---------|--------------------|-------------------------------------------|-------------------------|-----------------------------|
| Mid     | 5210               | -3.40                                     | 24.00                   | 11.00                       |

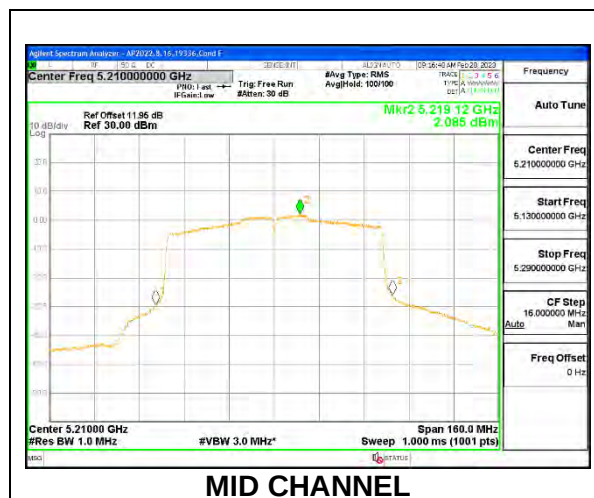
|                    |      |                                        |
|--------------------|------|----------------------------------------|
| Duty Cycle CF (dB) | 0.37 | Included in Calculations of Corr'd PSD |
|--------------------|------|----------------------------------------|

#### Output Power Results

| Channel | Frequency<br>(MHz) | Antenna 6<br>Meas<br>Power<br>(dBm) | Total<br>Corr'd<br>Power<br>(dBm) | Power<br>Limit<br>(dBm) | Power<br>Margin<br>(dB) |
|---------|--------------------|-------------------------------------|-----------------------------------|-------------------------|-------------------------|
| Mid     | 5210               | 17.20                               | 17.20                             | 24.00                   | -6.80                   |

#### PSD Results

| Channel | Frequency<br>(MHz) | Antenna 6<br>Meas<br>PSD<br>(dBm/1MHz) | Total<br>Corr'd<br>PSD<br>(dBm/1MHz) | PSD<br>Limit<br>(dBm/ 1MHz) | PSD<br>Margin<br>(dB) |
|---------|--------------------|----------------------------------------|--------------------------------------|-----------------------------|-----------------------|
| Mid     | 5210               | 2.085                                  | 2.455                                | 11.00                       | -8.545                |



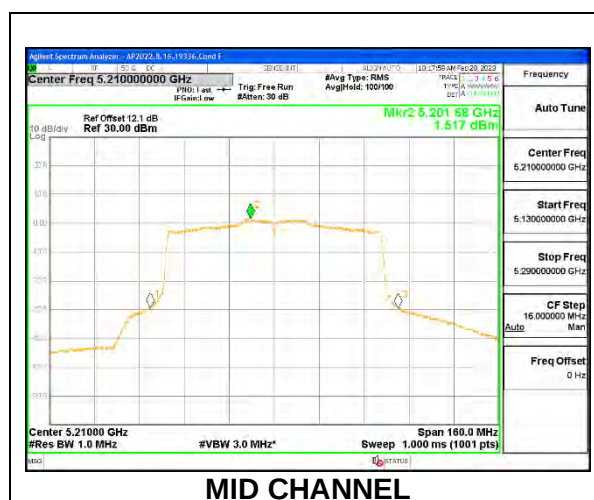
|                       |            |
|-----------------------|------------|
| <b>Test Engineer:</b> | 19336      |
| <b>Test Date:</b>     | 02/28/2023 |

| Channel | Frequency<br>(MHz) | Directional<br>Gain<br>for Power<br>(dBi) | Power<br>Limit<br>(dBm) | PSD<br>Limit<br>(dBm/ 1MHz) |
|---------|--------------------|-------------------------------------------|-------------------------|-----------------------------|
| Mid     | 5210               | -6.00                                     | 24.00                   | 11.00                       |

|                    |      |                                        |
|--------------------|------|----------------------------------------|
| Duty Cycle CF (dB) | 0.37 | Included in Calculations of Corr'd PSD |
|--------------------|------|----------------------------------------|

| Channel | Frequency<br>(MHz) | Antenna 5<br>Meas<br>Power<br>(dBm) | Total<br>Corr'd<br>Power<br>(dBm) | Power<br>Limit<br>(dBm) | Power<br>Margin<br>(dB) |
|---------|--------------------|-------------------------------------|-----------------------------------|-------------------------|-------------------------|
| Mid     | 5210               | 17.21                               | 17.21                             | 24.00                   | -6.79                   |

| Channel | Frequency<br>(MHz) | Antenna 5<br>Meas<br>PSD<br>(dBm/1MHz) | Total<br>Corr'd<br>PSD<br>(dBm/1MHz) | PSD<br>Limit<br>(dBm/ 1MHz) | PSD<br>Margin<br>(dB) |
|---------|--------------------|----------------------------------------|--------------------------------------|-----------------------------|-----------------------|
| Mid     | 5210               | 1.517                                  | 1.887                                | 11.00                       | -9.113                |



**2TX Antenna 6 + Antenna 5 CDD MODE (FCC) MOBILE**

|                |            |
|----------------|------------|
| Test Engineer: | 19336      |
| Test Date:     | 02/28/2023 |

**Antenna Gain and Limits**

| Channel | Frequency<br>(MHz) | Directional<br>Gain<br>for Power<br>(dBi) | Directional<br>Gain<br>for PSD<br>(dBi) | Power<br>Limit<br>(dBm) | PSD<br>Limit<br>(dBm/1MHz) |
|---------|--------------------|-------------------------------------------|-----------------------------------------|-------------------------|----------------------------|
| Mid     | 5210               | -4.51                                     | -1.59                                   | 24.00                   | 11.00                      |

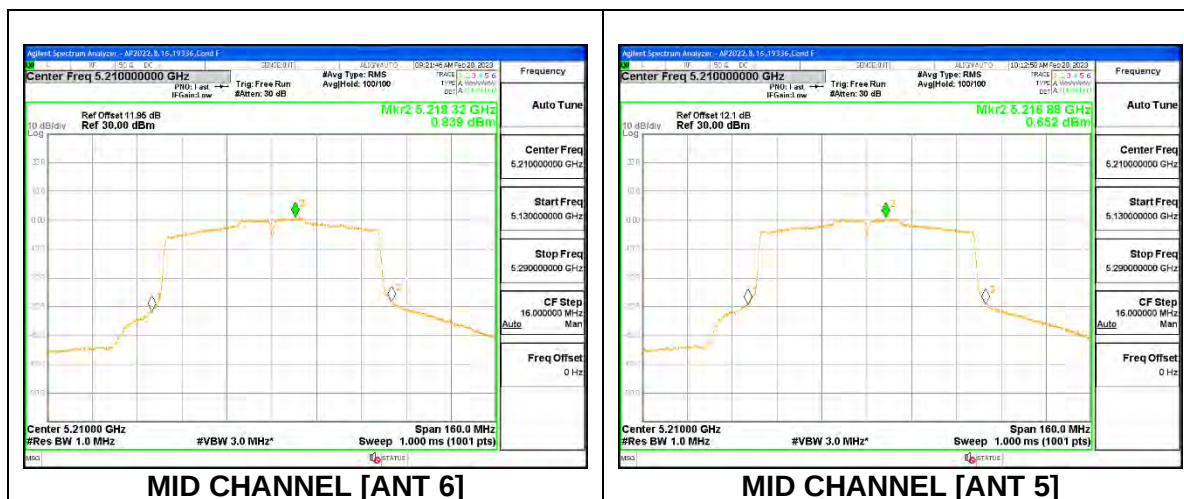
|                    |      |                                        |
|--------------------|------|----------------------------------------|
| Duty Cycle CF (dB) | 0.37 | Included in Calculations of Corr'd PSD |
|--------------------|------|----------------------------------------|

**Output Power Results**

| Channel | Frequency<br>(MHz) | Antenna 6<br>Meas<br>Power<br>(dBm) | Antenna 5<br>Meas<br>Power<br>(dBm) | Total<br>Corr'd<br>Power<br>(dBm) | Power<br>Limit<br>(dBm) | Power<br>Margin<br>(dB) |
|---------|--------------------|-------------------------------------|-------------------------------------|-----------------------------------|-------------------------|-------------------------|
| Mid     | 5210               | 16.22                               | 16.20                               | 19.22                             | 24.00                   | -4.78                   |

**PSD Results**

| Channel | Frequency<br>(MHz) | Antenna 6<br>Meas<br>PSD<br>(dBm/1MHz) | Antenna 5<br>Meas<br>PSD<br>(dBm/1MHz) | Total<br>Corr'd<br>PSD<br>(dBm/ 1MHz) | PSD<br>Limit<br>(dBm/ 1MHz) | PSD<br>Margin<br>(dB) |
|---------|--------------------|----------------------------------------|----------------------------------------|---------------------------------------|-----------------------------|-----------------------|
| Mid     | 5210               | 0.839                                  | 0.652                                  | 4.127                                 | 11.000                      | -6.873                |



### 9.4.4. 802.11ax HE20 MODE IN THE 5.2 GHZ BAND

#### 1TX Antenna 6 MODE (FCC): 26-Tone, RU Index 0

|                |            |
|----------------|------------|
| Test Engineer: | 32213      |
| Test Date:     | 06/07/2023 |

#### Antenna Gain and Limits

| Channel | Frequency<br>(MHz) | Directional<br>Gain<br>(dBi) | Power<br>Limit<br>(dBm) | PSD<br>Limit<br>(dBm/1MHz) |
|---------|--------------------|------------------------------|-------------------------|----------------------------|
| Low     | 5180               | -3.40                        | 24.00                   | 11.00                      |
| Mid     | 5200               | -3.40                        | 24.00                   | 11.00                      |
| High    | 5240               | -3.40                        | 24.00                   | 11.00                      |

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

#### Output Power Results

| Channel | Frequency<br>(MHz) | Antenna 6<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     | 5180               | 11.21                               | 11.21                             | 24.00                   | -12.79                  |
| Mid     | 5200               | 11.23                               | 11.23                             | 24.00                   | -12.77                  |
| High    | 5240               | 11.22                               | 11.22                             | 24.00                   | -12.78                  |

#### PSD Results

| Channel | Frequency<br>(MHz) | Antenna 6<br>Meas<br>PSD<br>(dBm/1MHz) | Total<br>Corr'd<br>PSD<br>(dBm/1MHz) | PSD<br>Limit<br>(dBm/ 1MHz) | PSD<br>Margin<br>(dB) |
|---------|--------------------|----------------------------------------|--------------------------------------|-----------------------------|-----------------------|
| Low     | 5180               | 9.077                                  | 9.077                                | 11.00                       | -1.923                |
| Mid     | 5200               | 9.068                                  | 9.068                                | 11.00                       | -1.932                |
| High    | 5240               | 9.233                                  | 9.233                                | 11.00                       | -1.767                |



**1TX Antenna 6 MODE (FCC): 26-Tone, RU Index 4**

|                |            |
|----------------|------------|
| Test Engineer: | 32213      |
| Test Date:     | 06/07/2023 |

**Antenna Gain and Limits**

| Channel | Frequency<br>(MHz) | Directional<br>Gain<br>(dBi) | Power<br>Limit<br>(dBm) | PSD<br>Limit<br>(dBm/1MHz) |
|---------|--------------------|------------------------------|-------------------------|----------------------------|
| Low     | 5180               | -3.40                        | 24.00                   | 11.00                      |
| Mid     | 5200               | -3.40                        | 24.00                   | 11.00                      |
| High    | 5240               | -3.40                        | 24.00                   | 11.00                      |

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

**Output Power Results**

| Channel | Frequency<br>(MHz) | Antenna 6<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     | 5180               | 11.20                               | 11.20                             | 24.00                   | -12.80                  |
| Mid     | 5200               | 11.22                               | 11.22                             | 24.00                   | -12.78                  |
| High    | 5240               | 11.25                               | 11.25                             | 24.00                   | -12.75                  |

**PSD Results**

| Channel | Frequency<br>(MHz) | Antenna 6<br>Meas<br>PSD<br>(dBm/1MHz) | Total<br>Corr'd<br>PSD<br>(dBm/1MHz) | PSD<br>Limit<br>(dBm/ 1MHz) | PSD<br>Margin<br>(dB) |
|---------|--------------------|----------------------------------------|--------------------------------------|-----------------------------|-----------------------|
| Low     | 5180               | 8.193                                  | 8.193                                | 11.00                       | -2.807                |
| Mid     | 5200               | 8.164                                  | 8.164                                | 11.00                       | -2.836                |
| High    | 5240               | 8.188                                  | 8.188                                | 11.00                       | -2.812                |



**1TX Antenna 6 MODE (FCC): 26-Tone, RU Index 8**

|                |            |
|----------------|------------|
| Test Engineer: | 32213      |
| Test Date:     | 06/07/2023 |

**Antenna Gain and Limits**

| Channel | Frequency<br>(MHz) | Directional<br>Gain<br>(dBi) | Power<br>Limit<br>(dBm) | PSD<br>Limit<br>(dBm/1MHz) |
|---------|--------------------|------------------------------|-------------------------|----------------------------|
| Low     | 5180               | -3.40                        | 24.00                   | 11.00                      |
| Mid     | 5200               | -3.40                        | 24.00                   | 11.00                      |
| High    | 5240               | -3.40                        | 24.00                   | 11.00                      |

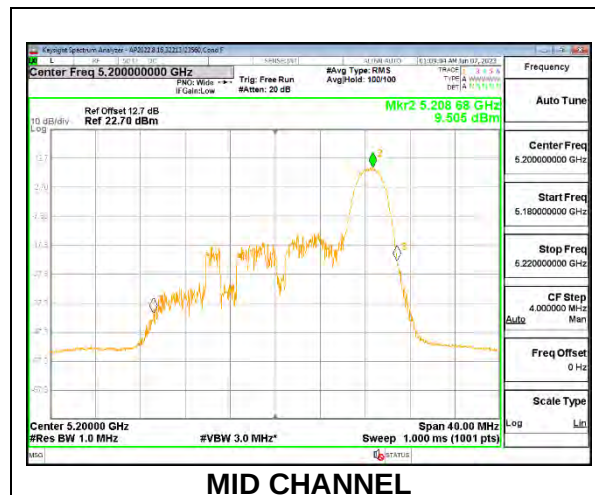
|                    |      |                                        |
|--------------------|------|----------------------------------------|
| Duty Cycle CF (dB) | 0.00 | Included in Calculations of Corr'd PSD |
|--------------------|------|----------------------------------------|

**Output Power Results**

| Channel | Frequency<br>(MHz) | Antenna 6<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     | 5180               | 11.21                               | 11.21                             | 24.00                   | -12.79                  |
| Mid     | 5200               | 11.23                               | 11.23                             | 24.00                   | -12.77                  |
| High    | 5240               | 11.19                               | 11.19                             | 24.00                   | -12.81                  |

**PSD Results**

| Channel | Frequency<br>(MHz) | Antenna 6<br>Meas<br>PSD<br>(dBm/1MHz) | Total<br>Corr'd<br>PSD<br>(dBm/1MHz) | PSD<br>Limit<br>(dBm/ 1MHz) | PSD<br>Margin<br>(dB) |
|---------|--------------------|----------------------------------------|--------------------------------------|-----------------------------|-----------------------|
| Low     | 5180               | 9.210                                  | 9.210                                | 11.00                       | -1.790                |
| Mid     | 5200               | 9.505                                  | 9.505                                | 11.00                       | -1.495                |
| High    | 5240               | 8.889                                  | 8.889                                | 11.00                       | -2.111                |



|                       |            |
|-----------------------|------------|
| <b>Test Engineer:</b> | 26118      |
| <b>Test Date:</b>     | 05/24/2023 |

| Channel | Frequency<br>(MHz) | Directional<br>Gain<br>(dBi) | Power<br>Limit<br>(dBm) | PSD<br>Limit<br>(dBm/1MHz) |
|---------|--------------------|------------------------------|-------------------------|----------------------------|
| Low     | 5180               | -3.40                        | 24.00                   | 11.00                      |
| Mid     | 5200               | -3.40                        | 24.00                   | 11.00                      |
| High    | 5240               | -3.40                        | 24.00                   | 11.00                      |

### Output Power Results

## PSD Results

Agilent Spectrum Analyzer - N9022-B, 16-01-18

Center Freq 5.20000000 GHz

Span 40.00 MHz

Ref Offset 12.7 dB  
Ref 20.00 dBm

Mkr2 5.201 60 GHz  
9.184 dBm

Res 5.20000 GHz  
VBW 3.0 MHz  
Sweep 1.000 ms (1001 pts)

| Frequency                      |
|--------------------------------|
| Auto Tune                      |
| Center Freq<br>5.20000000 GHz  |
| Start Freq<br>6.18000000 GHz   |
| Stop Freq<br>6.22000000 GHz    |
| CF Step<br>4.000000 MHz<br>Man |
| Freq Offset<br>0 Hz            |

MID CHANNEL

**1TX Antenna 5 MODE (FCC): 26-Tone, RU Index 0**

|                |            |
|----------------|------------|
| Test Engineer: | 32213      |
| Test Date:     | 06/07/2023 |

**Antenna Gain and Limits**

| Channel | Frequency<br>(MHz) | Directional<br>Gain<br>(dBi) | Power<br>Limit<br>(dBm) | PSD<br>Limit<br>(dBm/1MHz) |
|---------|--------------------|------------------------------|-------------------------|----------------------------|
| Low     | 5180               | -6.00                        | 24.00                   | 11.00                      |
| Mid     | 5200               | -6.00                        | 24.00                   | 11.00                      |
| High    | 5240               | -6.00                        | 24.00                   | 11.00                      |

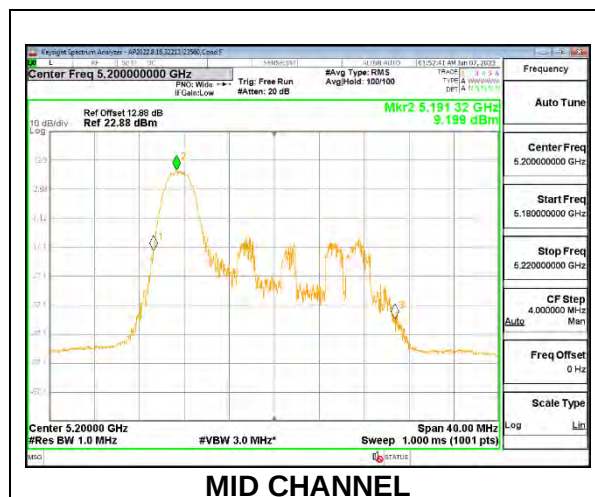
|                    |      |                                        |
|--------------------|------|----------------------------------------|
| Duty Cycle CF (dB) | 0.00 | Included in Calculations of Corr'd PSD |
|--------------------|------|----------------------------------------|

**Output Power Results**

| Channel | Frequency<br>(MHz) | Antenna 5<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     | 5180               | 11.24                               | 11.24                             | 24.00                   | -12.76                  |
| Mid     | 5200               | 11.20                               | 11.20                             | 24.00                   | -12.80                  |
| High    | 5240               | 11.18                               | 11.18                             | 24.00                   | -12.82                  |

**PSD Results**

| Channel | Frequency<br>(MHz) | Antenna 5<br>Meas<br>PSD<br>(dBm/1MHz) | Total<br>Corr'd<br>PSD<br>(dBm/1MHz) | PSD<br>Limit<br>(dBm/ 1MHz) | PSD<br>Margin<br>(dB) |
|---------|--------------------|----------------------------------------|--------------------------------------|-----------------------------|-----------------------|
| Low     | 5180               | 9.369                                  | 9.369                                | 11.00                       | -1.631                |
| Mid     | 5200               | 9.199                                  | 9.199                                | 11.00                       | -1.801                |
| High    | 5240               | 9.041                                  | 9.041                                | 11.00                       | -1.959                |



**1TX Antenna 5 MODE (FCC): 26-Tone, RU Index 4**

|                |            |
|----------------|------------|
| Test Engineer: | 32213      |
| Test Date:     | 06/07/2023 |

**Antenna Gain and Limits**

| Channel | Frequency<br>(MHz) | Directional<br>Gain<br>(dBi) | Power<br>Limit<br>(dBm) | PSD<br>Limit<br>(dBm/1MHz) |
|---------|--------------------|------------------------------|-------------------------|----------------------------|
| Low     | 5180               | -6.00                        | 24.00                   | 11.00                      |
| Mid     | 5200               | -6.00                        | 24.00                   | 11.00                      |
| High    | 5240               | -6.00                        | 24.00                   | 11.00                      |

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

**Output Power Results**

| Channel | Frequency<br>(MHz) | Antenna 5<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     | 5180               | 11.18                               | 11.18                             | 24.00                   | -12.82                  |
| Mid     | 5200               | 11.21                               | 11.21                             | 24.00                   | -12.79                  |
| High    | 5240               | 11.23                               | 11.23                             | 24.00                   | -12.77                  |

**PSD Results**

| Channel | Frequency<br>(MHz) | Antenna 5<br>Meas<br>PSD<br>(dBm/1MHz) | Total<br>Corr'd<br>PSD<br>(dBm/1MHz) | PSD<br>Limit<br>(dBm/ 1MHz) | PSD<br>Margin<br>(dB) |
|---------|--------------------|----------------------------------------|--------------------------------------|-----------------------------|-----------------------|
| Low     | 5180               | 8.293                                  | 8.293                                | 11.00                       | -2.707                |
| Mid     | 5200               | 8.359                                  | 8.359                                | 11.00                       | -2.641                |
| High    | 5240               | 8.510                                  | 8.510                                | 11.00                       | -2.490                |



**1TX Antenna 5 MODE (FCC): 26-Tone, RU Index 8**

|                |            |
|----------------|------------|
| Test Engineer: | 32213      |
| Test Date:     | 06/07/2023 |

**Antenna Gain and Limits**

| Channel | Frequency<br>(MHz) | Directional<br>Gain<br>(dBi) | Power<br>Limit<br>(dBm) | PSD<br>Limit<br>(dBm/1MHz) |
|---------|--------------------|------------------------------|-------------------------|----------------------------|
| Low     | 5180               | -6.00                        | 24.00                   | 11.00                      |
| Mid     | 5200               | -6.00                        | 24.00                   | 11.00                      |
| High    | 5240               | -6.00                        | 24.00                   | 11.00                      |

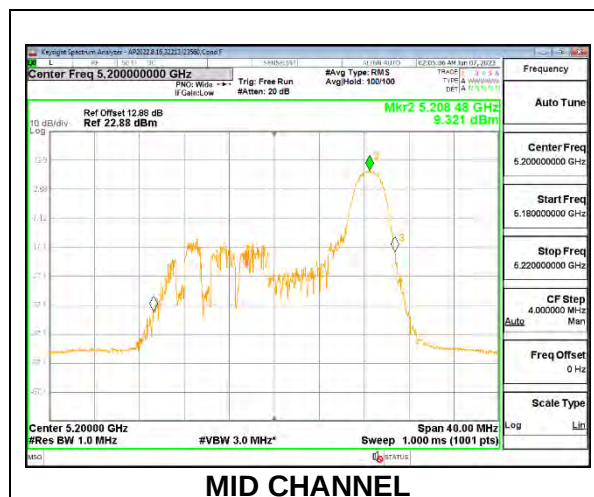
|                    |      |                                        |
|--------------------|------|----------------------------------------|
| Duty Cycle CF (dB) | 0.00 | Included in Calculations of Corr'd PSD |
|--------------------|------|----------------------------------------|

**Output Power Results**

| Channel | Frequency<br>(MHz) | Antenna 5<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     | 5180               | 11.19                               | 11.19                             | 24.00                   | -12.81                  |
| Mid     | 5200               | 11.22                               | 11.22                             | 24.00                   | -12.78                  |
| High    | 5240               | 11.21                               | 11.21                             | 24.00                   | -12.79                  |

**PSD Results**

| Channel | Frequency<br>(MHz) | Antenna 5<br>Meas<br>PSD<br>(dBm/1MHz) | Total<br>Corr'd<br>PSD<br>(dBm/1MHz) | PSD<br>Limit<br>(dBm/ 1MHz) | PSD<br>Margin<br>(dB) |
|---------|--------------------|----------------------------------------|--------------------------------------|-----------------------------|-----------------------|
| Low     | 5180               | 9.107                                  | 9.107                                | 11.00                       | -1.893                |
| Mid     | 5200               | 9.321                                  | 9.321                                | 11.00                       | -1.679                |
| High    | 5240               | 9.079                                  | 9.079                                | 11.00                       | -1.921                |



**1TX Antenna 5 MODE (FCC): SU, Single User**

|                |            |
|----------------|------------|
| Test Engineer: | 32213      |
| Test Date:     | 03/15/2023 |

**Antenna Gain and Limits**

| Channel | Frequency<br>(MHz) | Directional<br>Gain<br>(dBi) | Power<br>Limit<br>(dBm) | PSD<br>Limit<br>(dBm/1MHz) |
|---------|--------------------|------------------------------|-------------------------|----------------------------|
| Low     | 5180               | -6.00                        | 24.00                   | 11.00                      |
| Mid     | 5200               | -6.00                        | 24.00                   | 11.00                      |
| High    | 5240               | -6.00                        | 24.00                   | 11.00                      |

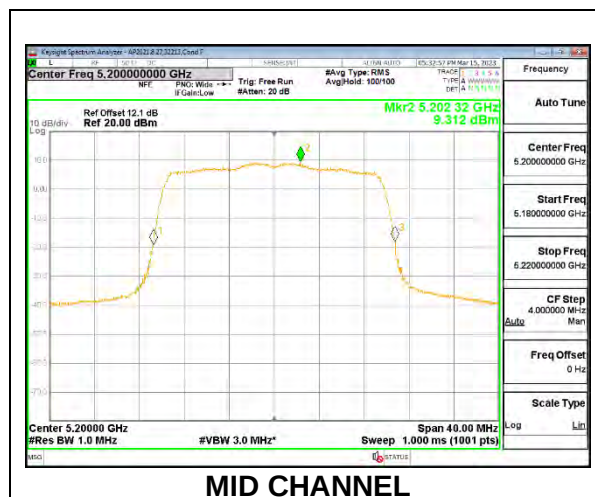
|                    |      |                                        |
|--------------------|------|----------------------------------------|
| Duty Cycle CF (dB) | 0.00 | Included in Calculations of Corr'd PSD |
|--------------------|------|----------------------------------------|

**Output Power Results**

| Channel | Frequency<br>(MHz) | Antenna 5<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     | 5180               | 18.22                               | 18.22                             | 24.00                   | -5.78                   |
| Mid     | 5200               | 19.21                               | 19.21                             | 24.00                   | -4.79                   |
| High    | 5240               | 19.22                               | 19.22                             | 24.00                   | -4.78                   |

**PSD Results**

| Channel | Frequency<br>(MHz) | Antenna 5<br>Meas<br>PSD<br>(dBm/1MHz) | Total<br>Corr'd<br>PSD<br>(dBm/1MHz) | PSD<br>Limit<br>(dBm/ 1MHz) | PSD<br>Margin<br>(dB) |
|---------|--------------------|----------------------------------------|--------------------------------------|-----------------------------|-----------------------|
| Low     | 5180               | 8.381                                  | 8.381                                | 11.00                       | -2.619                |
| Mid     | 5200               | 9.312                                  | 9.312                                | 11.00                       | -1.688                |
| High    | 5240               | 9.324                                  | 9.324                                | 11.00                       | -1.676                |



**2TX Antenna 6 + Antenna 5 OFDMA MODE (FCC): 26-Tone, RU Index 0**

|                |            |
|----------------|------------|
| Test Engineer: | 32213      |
| Test Date:     | 03/23/2023 |

**Antenna Gain and Limits**

| Channel | Frequency<br>(MHz) | Directional<br>Gain<br>for Power<br>(dBi) | Directional<br>Gain<br>for PSD<br>(dBi) | Power<br>Limit<br>(dBm) | PSD<br>Limit<br>(dBm/1MHz) |
|---------|--------------------|-------------------------------------------|-----------------------------------------|-------------------------|----------------------------|
| Low     | 5180               | -4.51                                     | -1.59                                   | 24.00                   | 11.00                      |
| Mid     | 5200               | -4.51                                     | -1.59                                   | 24.00                   | 11.00                      |
| High    | 5240               | -4.51                                     | -1.59                                   | 24.00                   | 11.00                      |

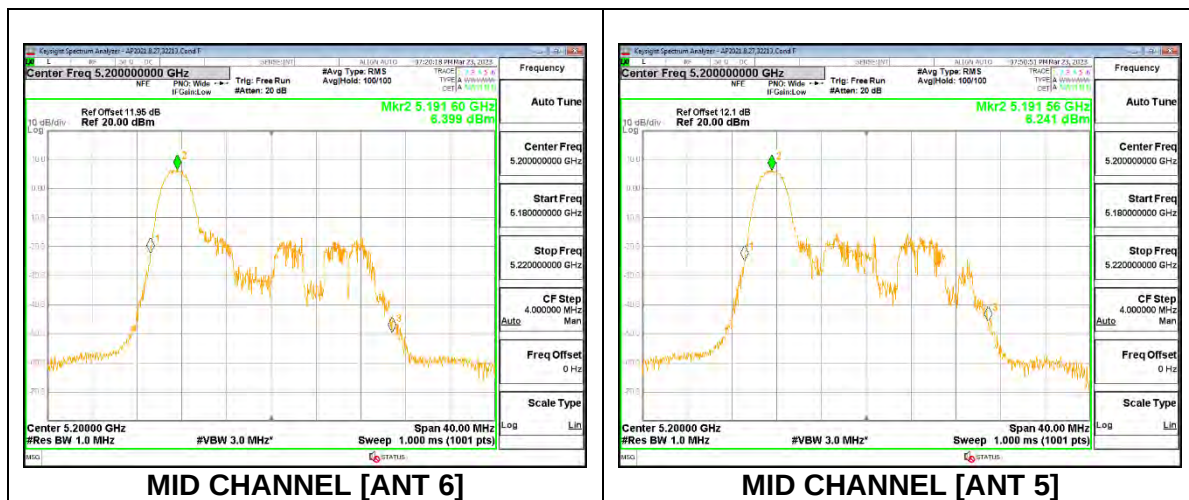
|                    |      |                                        |
|--------------------|------|----------------------------------------|
| Duty Cycle CF (dB) | 0.00 | Included in Calculations of Corr'd PSD |
|--------------------|------|----------------------------------------|

**Output Power Results**

| Channel | Frequency<br>(MHz) | Antenna 6<br>Meas<br>Power<br>(dBm) | Antenna 5<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     | 5180               | 8.20                                | 8.21                                | 11.22                             | 24.00                   | -12.78                  |
| Mid     | 5200               | 8.24                                | 8.23                                | 11.25                             | 24.00                   | -12.75                  |
| High    | 5240               | 8.17                                | 8.21                                | 11.20                             | 24.00                   | -12.80                  |

**PSD Results**

| Channel | Frequency<br>(MHz) | Antenna 6<br>Meas<br>PSD<br>(dBm/1MHz) | Antenna 5<br>Meas<br>PSD<br>(dBm/1MHz) | Total<br>Corr'd<br>PSD<br>(dBm/1MHz) | PSD<br>Limit<br>(dBm/ 1MHz) | PSD<br>Margin<br>(dB) |
|---------|--------------------|----------------------------------------|----------------------------------------|--------------------------------------|-----------------------------|-----------------------|
| Low     | 5180               | 6.222                                  | 6.223                                  | 9.233                                | 11.00                       | -1.767                |
| Mid     | 5200               | 6.399                                  | 6.241                                  | 9.331                                | 11.00                       | -1.669                |
| High    | 5240               | 6.036                                  | 6.224                                  | 9.141                                | 11.00                       | -1.859                |



**2TX Antenna 6 + Antenna 5 OFDMA MODE (FCC): 26-Tone, RU Index 4**

|                |            |
|----------------|------------|
| Test Engineer: | 32213      |
| Test Date:     | 03/23/2023 |

**Antenna Gain and Limits**

| Channel | Frequency<br>(MHz) | Directional<br>Gain<br>for Power<br>(dBi) | Directional<br>Gain<br>for PSD<br>(dBi) | Power<br>Limit<br>(dBm) | PSD<br>Limit<br>(dBm/1MHz) |
|---------|--------------------|-------------------------------------------|-----------------------------------------|-------------------------|----------------------------|
| Low     | 5180               | -4.51                                     | -1.59                                   | 24.00                   | 11.00                      |
| Mid     | 5200               | -4.51                                     | -1.59                                   | 24.00                   | 11.00                      |
| High    | 5240               | -4.51                                     | -1.59                                   | 24.00                   | 11.00                      |

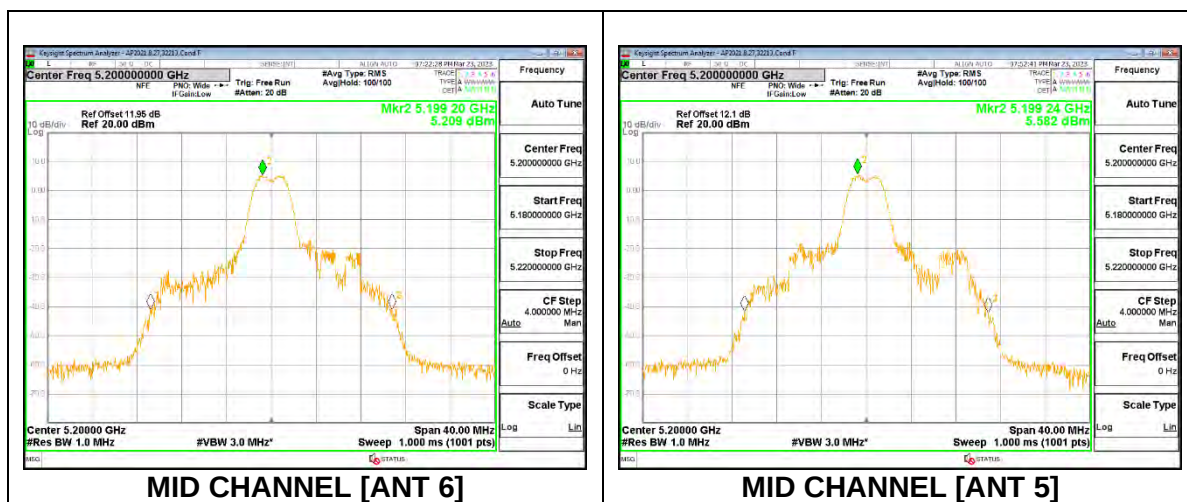
|                    |      |                                        |
|--------------------|------|----------------------------------------|
| Duty Cycle CF (dB) | 0.00 | Included in Calculations of Corr'd PSD |
|--------------------|------|----------------------------------------|

**Output Power Results**

| Channel | Frequency<br>(MHz) | Antenna 6<br>Meas<br>Power<br>(dBm) | Antenna 5<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     | 5180               | 8.20                                | 8.22                                | 11.22                             | 24.00                   | -12.78                  |
| Mid     | 5200               | 8.19                                | 8.23                                | 11.22                             | 24.00                   | -12.78                  |
| High    | 5240               | 8.21                                | 8.18                                | 11.21                             | 24.00                   | -12.79                  |

**PSD Results**

| Channel | Frequency<br>(MHz) | Antenna 6<br>Meas<br>PSD<br>(dBm/1MHz) | Antenna 5<br>Meas<br>PSD<br>(dBm/1MHz) | Total<br>Corr'd<br>PSD<br>(dBm/1MHz) | PSD<br>Limit<br>(dBm/ 1MHz) | PSD<br>Margin<br>(dB) |
|---------|--------------------|----------------------------------------|----------------------------------------|--------------------------------------|-----------------------------|-----------------------|
| Low     | 5180               | 5.449                                  | 5.494                                  | 8.482                                | 11.00                       | -2.518                |
| Mid     | 5200               | 5.209                                  | 5.582                                  | 8.410                                | 11.00                       | -2.590                |
| High    | 5240               | 5.412                                  | 5.348                                  | 8.390                                | 11.00                       | -2.610                |



**2TX Antenna 6 + Antenna 5 OFDMA MODE (FCC): 26-Tone, RU Index 8**

|                |            |
|----------------|------------|
| Test Engineer: | 32213      |
| Test Date:     | 03/23/2023 |

**Antenna Gain and Limits**

| Channel | Frequency<br>(MHz) | Directional<br>Gain<br>for Power<br>(dBi) | Directional<br>Gain<br>for PSD<br>(dBi) | Power<br>Limit<br>(dBm) | PSD<br>Limit<br>(dBm/1MHz) |
|---------|--------------------|-------------------------------------------|-----------------------------------------|-------------------------|----------------------------|
| Low     | 5180               | -4.51                                     | -1.59                                   | 24.00                   | 11.00                      |
| Mid     | 5200               | -4.51                                     | -1.59                                   | 24.00                   | 11.00                      |
| High    | 5240               | -4.51                                     | -1.59                                   | 24.00                   | 11.00                      |

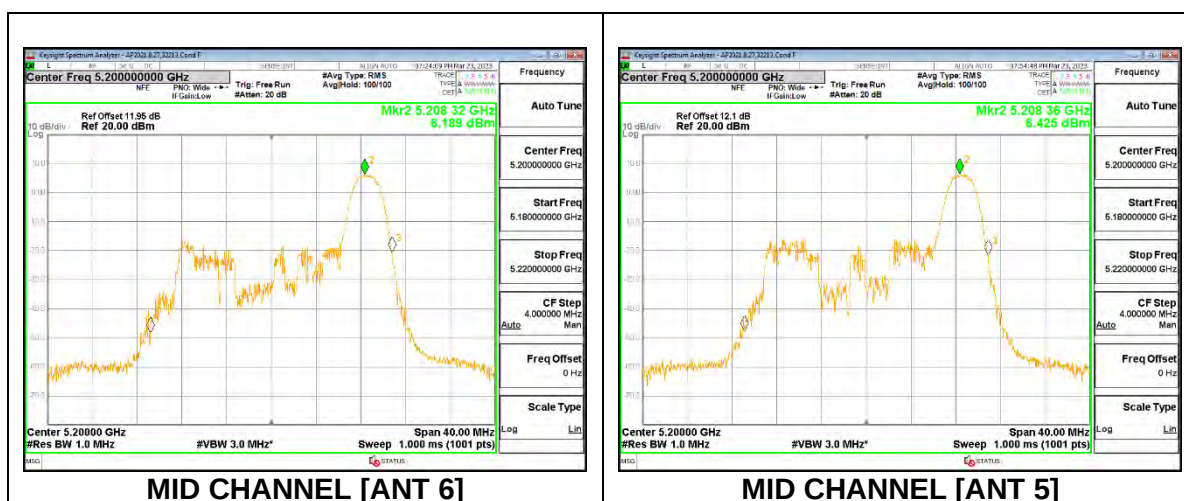
|                    |      |                                        |
|--------------------|------|----------------------------------------|
| Duty Cycle CF (dB) | 0.00 | Included in Calculations of Corr'd PSD |
|--------------------|------|----------------------------------------|

**Output Power Results**

| Channel | Frequency<br>(MHz) | Antenna 6<br>Meas<br>Power<br>(dBm) | Antenna 5<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     | 5180               | 8.20                                | 8.23                                | 11.23                             | 24.00                   | -12.77                  |
| Mid     | 5200               | 8.18                                | 8.21                                | 11.21                             | 24.00                   | -12.79                  |
| High    | 5240               | 8.20                                | 8.25                                | 11.24                             | 24.00                   | -12.76                  |

**PSD Results**

| Channel | Frequency<br>(MHz) | Antenna 6<br>Meas<br>PSD<br>(dBm/1MHz) | Antenna 5<br>Meas<br>PSD<br>(dBm/1MHz) | Total<br>Corr'd<br>PSD<br>(dBm/1MHz) | PSD<br>Limit<br>(dBm/ 1MHz) | PSD<br>Margin<br>(dB) |
|---------|--------------------|----------------------------------------|----------------------------------------|--------------------------------------|-----------------------------|-----------------------|
| Low     | 5180               | 6.381                                  | 6.507                                  | 9.455                                | 11.00                       | -1.545                |
| Mid     | 5200               | 6.189                                  | 6.425                                  | 9.319                                | 11.00                       | -1.681                |
| High    | 5240               | 6.049                                  | 6.625                                  | 9.357                                | 11.00                       | -1.643                |



**2TX Antenna 6 + Antenna 5 OFDMA MODE (FCC): SU, Single User**

|                       |            |
|-----------------------|------------|
| <b>Test Engineer:</b> | 32213      |
| <b>Test Date:</b>     | 03/23/2023 |

**Antenna Gain and Limits**

| Channel | Frequency<br>(MHz) | Directional<br>Gain<br>for Power<br>(dBi) | Directional<br>Gain<br>for PSD<br>(dBi) | Power<br>Limit<br>(dBm) | PSD<br>Limit<br>(dBm/1MHz) |
|---------|--------------------|-------------------------------------------|-----------------------------------------|-------------------------|----------------------------|
| Low     | 5180               | -4.51                                     | -1.59                                   | 24.00                   | 11.00                      |
| Mid     | 5200               | -4.51                                     | -1.59                                   | 24.00                   | 11.00                      |
| High    | 5240               | -4.51                                     | -1.59                                   | 24.00                   | 11.00                      |

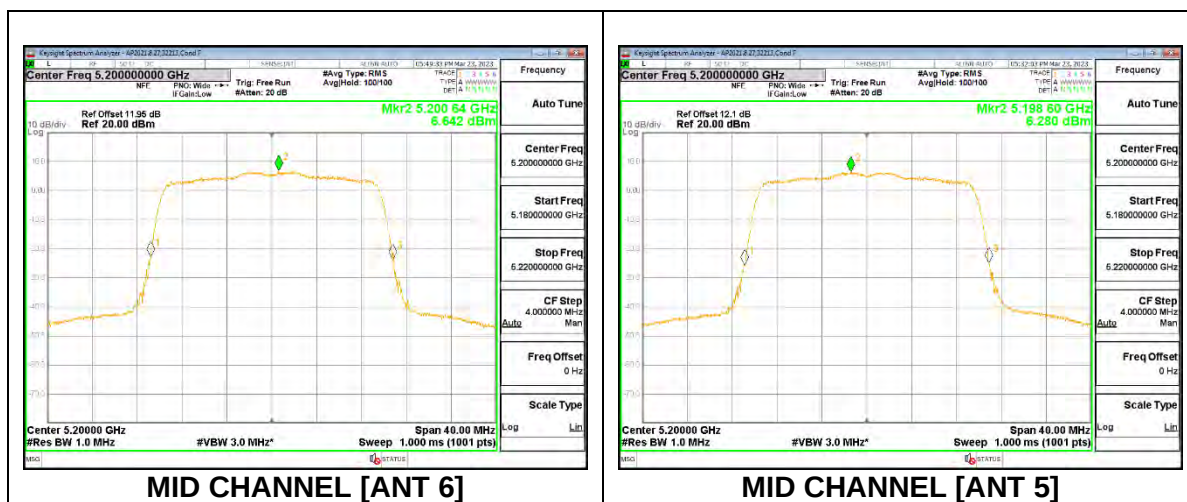
|                           |      |                                               |
|---------------------------|------|-----------------------------------------------|
| <b>Duty Cycle CF (dB)</b> | 0.00 | <b>Included in Calculations of Corr'd PSD</b> |
|---------------------------|------|-----------------------------------------------|

**Output Power Results**

| Channel | Frequency<br>(MHz) | Antenna 6<br>Meas<br>Power<br>(dBm) | Antenna 5<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     | 5180               | 16.19                               | 16.22                               | 19.22                             | 24.00                   | -4.78                   |
| Mid     | 5200               | 16.24                               | 16.21                               | 19.24                             | 24.00                   | -4.76                   |
| High    | 5240               | 16.25                               | 16.20                               | 19.24                             | 24.00                   | -4.76                   |

**PSD Results**

| Channel | Frequency<br>(MHz) | Antenna 6<br>Meas<br>PSD<br>(dBm/1MHz) | Antenna 5<br>Meas<br>PSD<br>(dBm/1MHz) | Total<br>Corr'd<br>PSD<br>(dBm/1MHz) | PSD<br>Limit<br>(dBm/ 1MHz) | PSD<br>Margin<br>(dB) |
|---------|--------------------|----------------------------------------|----------------------------------------|--------------------------------------|-----------------------------|-----------------------|
| Low     | 5180               | 6.335                                  | 6.468                                  | 9.412                                | 11.00                       | -1.588                |
| Mid     | 5200               | 6.642                                  | 6.280                                  | 9.475                                | 11.00                       | -1.525                |
| High    | 5240               | 6.654                                  | 6.278                                  | 9.480                                | 11.00                       | -1.520                |



#### 9.4.5. 802.11ax HE40 MODE IN THE 5.2 GHz BAND

**1TX Antenna 6 MODE (FCC): 26-Tone, RU Index 0**

|                       |            |
|-----------------------|------------|
| <b>Test Engineer:</b> | 32213      |
| <b>Test Date:</b>     | 02/27/2023 |

## Antenna Gain and Limits

| Channel | Frequency<br>(MHz) | Directional<br>Gain<br>for Power<br>(dBi) | Power<br>Limit<br>(dBm) | PSD<br>Limit<br>(dBm/1MHz) |
|---------|--------------------|-------------------------------------------|-------------------------|----------------------------|
| Low     | 5190               | -3.40                                     | 24.00                   | 11.00                      |
| High    | 5230               | -3.40                                     | 24.00                   | 11.00                      |

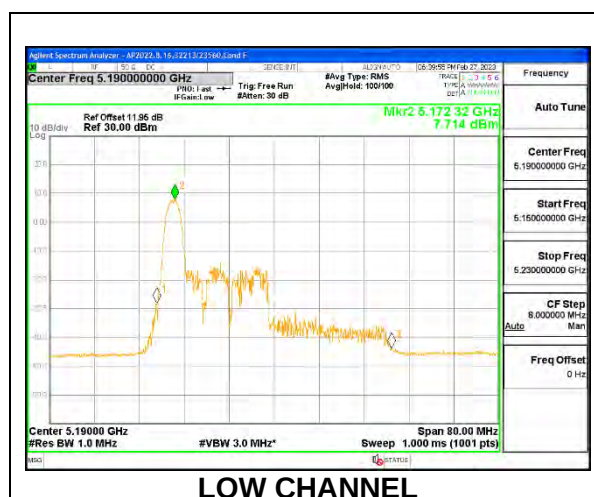
|                    |      |                                        |
|--------------------|------|----------------------------------------|
| Duty Cycle CF (dB) | 0.00 | Included in Calculations of Corr'd PSD |
|--------------------|------|----------------------------------------|

## Output Power Results

| Channel | Frequency<br>(MHz) | Antenna 6<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     | 5190               | 9.20                                | 9.20                              | 24.00                   | -14.80                  |
| High    | 5230               | 9.25                                | 9.25                              | 24.00                   | -14.75                  |

## PSD Results

| Channel | Frequency<br>(MHz) | Antenna 6<br>Meas<br>PSD<br>(dBm/1MHz) | Total<br>Corr'd<br>PSD<br>(dBm/1MHz) | PSD<br>Limit<br>(dBm/1MHz) | PSD<br>Margin<br>(dB) |
|---------|--------------------|----------------------------------------|--------------------------------------|----------------------------|-----------------------|
| Low     | 5190               | 7.714                                  | 7.714                                | 11.00                      | -3.286                |
| High    | 5230               | 8.263                                  | 8.263                                | 11.00                      | -2.737                |



**1TX Antenna 6 MODE (FCC): 26-Tone, RU Index 8**

|                |            |
|----------------|------------|
| Test Engineer: | 26118      |
| Test Date:     | 06/05/2023 |

**Antenna Gain and Limits**

| Channel | Frequency<br>(MHz) | Directional<br>Gain<br>for Power<br>(dBi) | Power<br>Limit<br>(dBm) | PSD<br>Limit<br>(dBm/1MHz) |
|---------|--------------------|-------------------------------------------|-------------------------|----------------------------|
| Low     | 5190               | -3.40                                     | 24.00                   | 11.00                      |
| High    | 5230               | -3.40                                     | 24.00                   | 11.00                      |

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

**Output Power Results**

| Channel | Frequency<br>(MHz) | Antenna 6<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     | 5190               | 9.23                                | 9.23                              | 24.00                   | -14.77                  |
| High    | 5230               | 9.22                                | 9.22                              | 24.00                   | -14.78                  |

**PSD Results**

| Channel | Frequency<br>(MHz) | Antenna 6<br>Meas<br>PSD<br>(dBm/1MHz) | Total<br>Corr'd<br>PSD<br>(dBm/1MHz) | PSD<br>Limit<br>(dBm/1MHz) | PSD<br>Margin<br>(dB) |
|---------|--------------------|----------------------------------------|--------------------------------------|----------------------------|-----------------------|
| Low     | 5190               | 8.301                                  | 8.301                                | 11.00                      | -2.699                |
| High    | 5230               | 8.851                                  | 8.851                                | 11.00                      | -2.149                |



**1TX Antenna 6 MODE (FCC): 26-Tone, RU Index 17**

|                |            |
|----------------|------------|
| Test Engineer: | 32113      |
| Test Date:     | 02/27/2023 |

**Antenna Gain and Limits**

| Channel | Frequency<br>(MHz) | Directional<br>Gain<br>for Power<br>(dBi) | Power<br>Limit<br>(dBm) | PSD<br>Limit<br>(dBm/1MHz) |
|---------|--------------------|-------------------------------------------|-------------------------|----------------------------|
| Low     | 5190               | -3.40                                     | 24.00                   | 11.00                      |
| High    | 5230               | -3.40                                     | 24.00                   | 11.00                      |

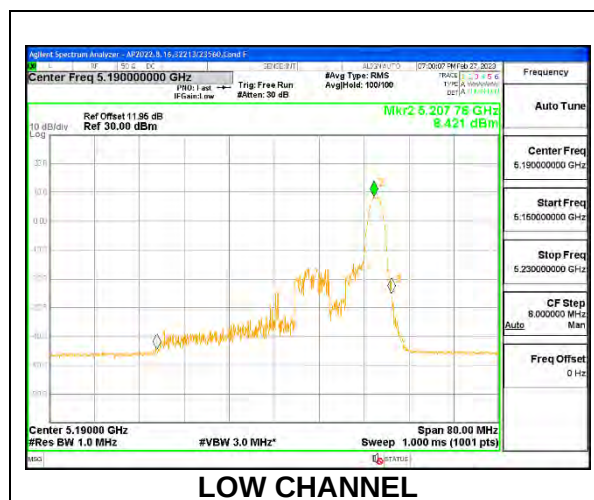
|                    |      |                                        |
|--------------------|------|----------------------------------------|
| Duty Cycle CF (dB) | 0.00 | Included in Calculations of Corr'd PSD |
|--------------------|------|----------------------------------------|

**Output Power Results**

| Channel | Frequency<br>(MHz) | Antenna 6<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     | 5190               | 9.22                                | 9.22                              | 24.00                   | -14.78                  |
| High    | 5230               | 9.24                                | 9.24                              | 24.00                   | -14.76                  |

**PSD Results**

| Channel | Frequency<br>(MHz) | Antenna 6<br>Meas<br>PSD<br>(dBm/1MHz) | Total<br>Corr'd<br>PSD<br>(dBm/1MHz) | PSD<br>Limit<br>(dBm/1MHz) | PSD<br>Margin<br>(dB) |
|---------|--------------------|----------------------------------------|--------------------------------------|----------------------------|-----------------------|
| Low     | 5190               | 8.421                                  | 8.421                                | 11.00                      | -2.579                |
| High    | 5230               | 8.773                                  | 8.773                                | 11.00                      | -2.227                |



**1TX Antenna 6 MODE (FCC): SU, Single User**

|                |            |
|----------------|------------|
| Test Engineer: | 19336      |
| Test Date:     | 02/28/2023 |

**Antenna Gain and Limits**

| Channel | Frequency<br>(MHz) | Directional<br>Gain<br>for Power<br>(dBi) | Power<br>Limit<br>(dBm) | PSD<br>Limit<br>(dBm/1MHz) |
|---------|--------------------|-------------------------------------------|-------------------------|----------------------------|
| Low     | 5190               | -3.40                                     | 24.00                   | 11.00                      |
| High    | 5230               | -3.40                                     | 24.00                   | 11.00                      |

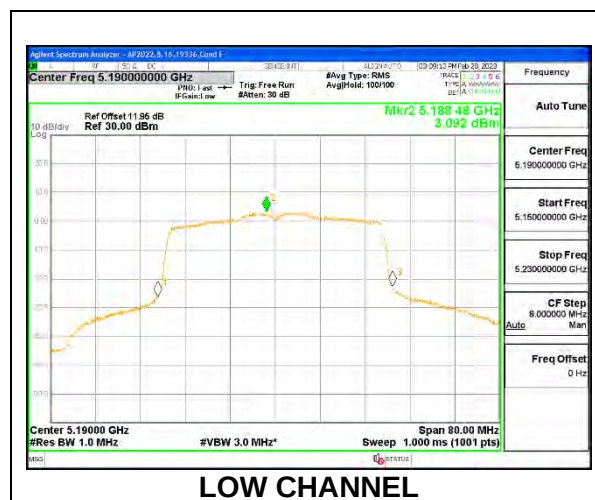
|                    |      |                                        |
|--------------------|------|----------------------------------------|
| Duty Cycle CF (dB) | 0.12 | Included in Calculations of Corr'd PSD |
|--------------------|------|----------------------------------------|

**Output Power Results**

| Channel | Frequency<br>(MHz) | Antenna 6<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     | 5190               | 16.21                               | 16.21                             | 24.00                   | -7.79                   |
| High    | 5230               | 20.24                               | 20.24                             | 24.00                   | -3.76                   |

**PSD Results**

| Channel | Frequency<br>(MHz) | Antenna 6<br>Meas<br>PSD<br>(dBm/1MHz) | Total<br>Corr'd<br>PSD<br>(dBm/1MHz) | PSD<br>Limit<br>(dBm/1MHz) | PSD<br>Margin<br>(dB) |
|---------|--------------------|----------------------------------------|--------------------------------------|----------------------------|-----------------------|
| Low     | 5190               | 3.092                                  | 3.212                                | 11.00                      | -7.788                |
| High    | 5230               | 7.541                                  | 7.661                                | 11.00                      | -3.339                |



**1TX Antenna 5 MODE (FCC): 26-Tone, RU Index 0**

|                |            |
|----------------|------------|
| Test Engineer: | 32213      |
| Test Date:     | 02/27/2023 |

**Antenna Gain and Limits**

| Channel | Frequency<br>(MHz) | Directional<br>Gain<br>for Power<br>(dBi) | Power<br>Limit<br>(dBm) | PSD<br>Limit<br>(dBm/1MHz) |
|---------|--------------------|-------------------------------------------|-------------------------|----------------------------|
| Low     | 5190               | -6.00                                     | 24.00                   | 11.00                      |
| High    | 5230               | -6.00                                     | 24.00                   | 11.00                      |

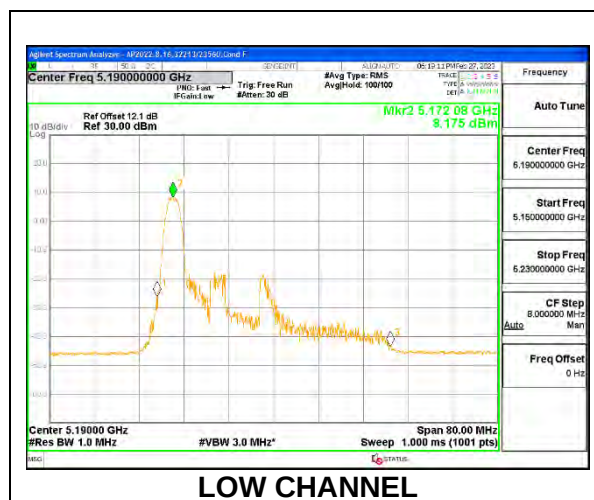
|                    |      |                                        |
|--------------------|------|----------------------------------------|
| Duty Cycle CF (dB) | 0.00 | Included in Calculations of Corr'd PSD |
|--------------------|------|----------------------------------------|

**Output Power Results**

| Channel | Frequency<br>(MHz) | Antenna 5<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     | 5190               | 9.19                                | 9.19                              | 24.00                   | -14.81                  |
| High    | 5230               | 9.23                                | 9.23                              | 24.00                   | -14.77                  |

**PSD Results**

| Channel | Frequency<br>(MHz) | Antenna 5<br>Meas<br>PSD<br>(dBm/1MHz) | Total<br>Corr'd<br>PSD<br>(dBm/1MHz) | PSD<br>Limit<br>(dBm/1MHz) | PSD<br>Margin<br>(dB) |
|---------|--------------------|----------------------------------------|--------------------------------------|----------------------------|-----------------------|
| Low     | 5190               | 8.175                                  | 8.175                                | 11.00                      | -2.825                |
| High    | 5230               | 8.325                                  | 8.325                                | 11.00                      | -2.675                |



**1TX Antenna 5 MODE (FCC): 26-Tone, RU Index 8**

|                |            |
|----------------|------------|
| Test Engineer: | 26118      |
| Test Date:     | 06/05/2023 |

**Antenna Gain and Limits**

| Channel | Frequency<br>(MHz) | Directional<br>Gain<br>for Power<br>(dBi) | Power<br>Limit<br>(dBm) | PSD<br>Limit<br>(dBm/1MHz) |
|---------|--------------------|-------------------------------------------|-------------------------|----------------------------|
| Low     | 5190               | -6.00                                     | 24.00                   | 11.00                      |
| High    | 5230               | -6.00                                     | 24.00                   | 11.00                      |

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

**Output Power Results**

| Channel | Frequency<br>(MHz) | Antenna 5<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     | 5190               | 9.25                                | 9.25                              | 24.00                   | -14.75                  |
| High    | 5230               | 9.22                                | 9.22                              | 24.00                   | -14.78                  |

**PSD Results**

| Channel | Frequency<br>(MHz) | Antenna 5<br>Meas<br>PSD<br>(dBm/1MHz) | Total<br>Corr'd<br>PSD<br>(dBm/1MHz) | PSD<br>Limit<br>(dBm/1MHz) | PSD<br>Margin<br>(dB) |
|---------|--------------------|----------------------------------------|--------------------------------------|----------------------------|-----------------------|
| Low     | 5190               | 8.441                                  | 8.441                                | 11.00                      | -2.559                |
| High    | 5230               | 8.294                                  | 8.294                                | 11.00                      | -2.706                |



**1TX Antenna 5 MODE (FCC): 26-Tone, RU Index 17**

|                |            |
|----------------|------------|
| Test Engineer: | 19336      |
| Test Date:     | 02/28/2023 |

**Antenna Gain and Limits**

| Channel | Frequency<br>(MHz) | Directional<br>Gain<br>for Power<br>(dBi) | Power<br>Limit<br>(dBm) | PSD<br>Limit<br>(dBm/1MHz) |
|---------|--------------------|-------------------------------------------|-------------------------|----------------------------|
| Low     | 5190               | -6.00                                     | 24.00                   | 11.00                      |
| High    | 5230               | -6.00                                     | 24.00                   | 11.00                      |

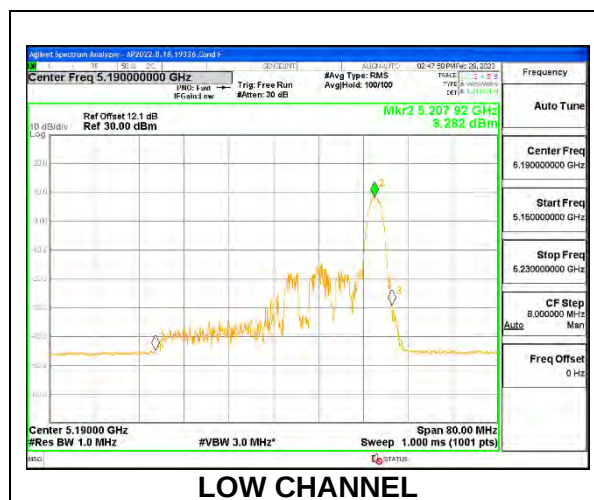
|                    |      |                                        |
|--------------------|------|----------------------------------------|
| Duty Cycle CF (dB) | 0.00 | Included in Calculations of Corr'd PSD |
|--------------------|------|----------------------------------------|

**Output Power Results**

| Channel | Frequency<br>(MHz) | Antenna 5<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     | 5190               | 9.20                                | 9.20                              | 24.00                   | -14.80                  |
| High    | 5230               | 9.23                                | 9.23                              | 24.00                   | -14.77                  |

**PSD Results**

| Channel | Frequency<br>(MHz) | Antenna 5<br>Meas<br>PSD<br>(dBm/1MHz) | Total<br>Corr'd<br>PSD<br>(dBm/1MHz) | PSD<br>Limit<br>(dBm/1MHz) | PSD<br>Margin<br>(dB) |
|---------|--------------------|----------------------------------------|--------------------------------------|----------------------------|-----------------------|
| Low     | 5190               | 8.282                                  | 8.282                                | 11.00                      | -2.718                |
| High    | 5230               | 8.529                                  | 8.529                                | 11.00                      | -2.471                |



**1TX Antenna 5 MODE (FCC): SU, Single User**

|                |            |
|----------------|------------|
| Test Engineer: | 19336      |
| Test Date:     | 02/28/2023 |

**Antenna Gain and Limits**

| Channel | Frequency<br>(MHz) | Directional<br>Gain<br>for Power<br>(dBi) | Power<br>Limit<br>(dBm) | PSD<br>Limit<br>(dBm/1MHz) |
|---------|--------------------|-------------------------------------------|-------------------------|----------------------------|
| Low     | 5190               | -6.00                                     | 24.00                   | 11.00                      |
| High    | 5230               | -6.00                                     | 24.00                   | 11.00                      |

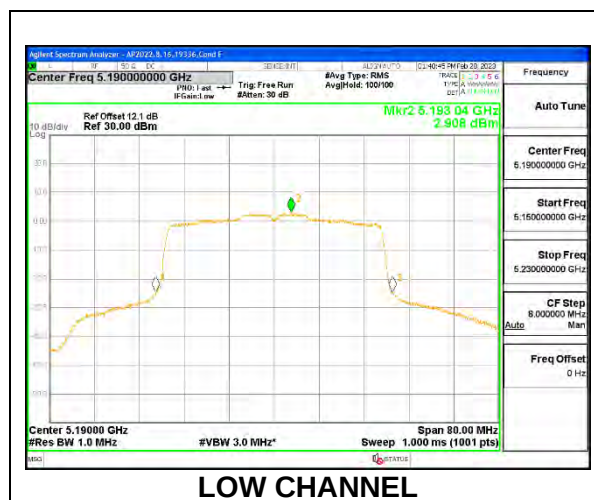
|                    |      |                                        |
|--------------------|------|----------------------------------------|
| Duty Cycle CF (dB) | 0.12 | Included in Calculations of Corr'd PSD |
|--------------------|------|----------------------------------------|

**Output Power Results**

| Channel | Frequency<br>(MHz) | Antenna 5<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     | 5190               | 16.20                               | 16.20                             | 24.00                   | -7.80                   |
| High    | 5230               | 20.24                               | 20.24                             | 24.00                   | -3.76                   |

**PSD Results**

| Channel | Frequency<br>(MHz) | Antenna 5<br>Meas<br>PSD<br>(dBm/1MHz) | Total<br>Corr'd<br>PSD<br>(dBm/1MHz) | PSD<br>Limit<br>(dBm/1MHz) | PSD<br>Margin<br>(dB) |
|---------|--------------------|----------------------------------------|--------------------------------------|----------------------------|-----------------------|
| Low     | 5190               | 2.908                                  | 3.028                                | 11.00                      | -7.972                |
| High    | 5230               | 7.460                                  | 7.580                                | 11.00                      | -3.420                |



**2TX Antenna 6 + Antenna 5 OFDMA MODE (FCC): 26-Tone, RU Index 0**

|                |            |
|----------------|------------|
| Test Engineer: | 32213      |
| Test Date:     | 02/20/2023 |

**Antenna Gain and Limits**

| Channel | Frequency<br>(MHz) | Directional<br>Gain<br>for Power<br>(dBi) | Directional<br>Gain<br>for PSD<br>(dBi) | Power<br>Limit<br>(dBm) | PSD<br>Limit<br>(dBm/ 1MHz) |
|---------|--------------------|-------------------------------------------|-----------------------------------------|-------------------------|-----------------------------|
| Low     | 5190               | -4.51                                     | -1.59                                   | 24.00                   | 11.00                       |
| High    | 5230               | -4.51                                     | -1.59                                   | 24.00                   | 11.00                       |

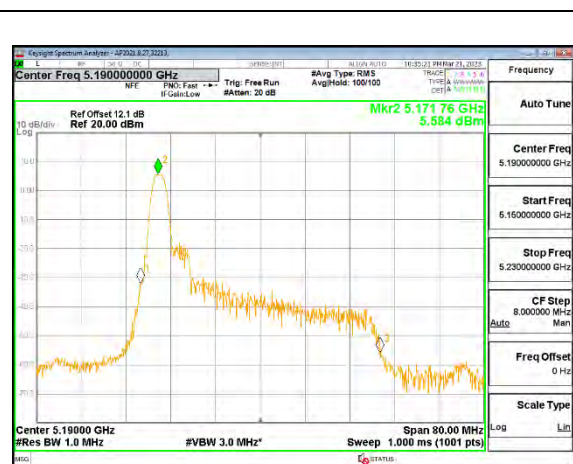
|                    |      |                                        |
|--------------------|------|----------------------------------------|
| Duty Cycle CF (dB) | 0.00 | Included in Calculations of Corr'd PSD |
|--------------------|------|----------------------------------------|

**Output Power Results**

| Channel | Frequency<br>(MHz) | Antenna 6<br>Meas<br>Power<br>(dBm) | Antenna 5<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     | 5190               | 8.18                                | 8.17                                | 11.19                             | 24.00                   | -12.81                  |
| High    | 5230               | 8.21                                | 8.19                                | 11.21                             | 24.00                   | -12.79                  |

**PSD Results**

| Channel | Frequency<br>(MHz) | Antenna 6<br>Meas<br>PSD<br>(dBm/1MHz) | Antenna 5<br>Meas<br>PSD<br>(dBm/1MHz) | Total<br>Corr'd<br>PSD<br>(dBm/1MHz) | PSD<br>Limit<br>(dBm/ 1MHz) | PSD<br>Margin<br>(dB) |
|---------|--------------------|----------------------------------------|----------------------------------------|--------------------------------------|-----------------------------|-----------------------|
| Low     | 5190               | 5.664                                  | 5.584                                  | 8.634                                | 11.00                       | -2.366                |
| High    | 5230               | 6.212                                  | 5.781                                  | 9.012                                | 11.00                       | -1.988                |

**LOW CHANNEL [ANT 6]****LOW CHANNEL [ANT 5]**

**2TX Antenna 6 + Antenna 5 OFDMA MODE (FCC): 26-Tone, RU Index 8**

|                |            |
|----------------|------------|
| Test Engineer: | 32213      |
| Test Date:     | 02/28/2023 |

**Antenna Gain and Limits**

| Channel | Frequency<br>(MHz) | Directional<br>Gain<br>for Power<br>(dBi) | Directional<br>Gain<br>for PSD<br>(dBi) | Power<br>Limit<br>(dBm) | PSD<br>Limit<br>(dBm/ 1MHz) |
|---------|--------------------|-------------------------------------------|-----------------------------------------|-------------------------|-----------------------------|
| Low     | 5190               | -4.51                                     | -1.59                                   | 24.00                   | 11.00                       |
| High    | 5230               | -4.51                                     | -1.59                                   | 24.00                   | 11.00                       |

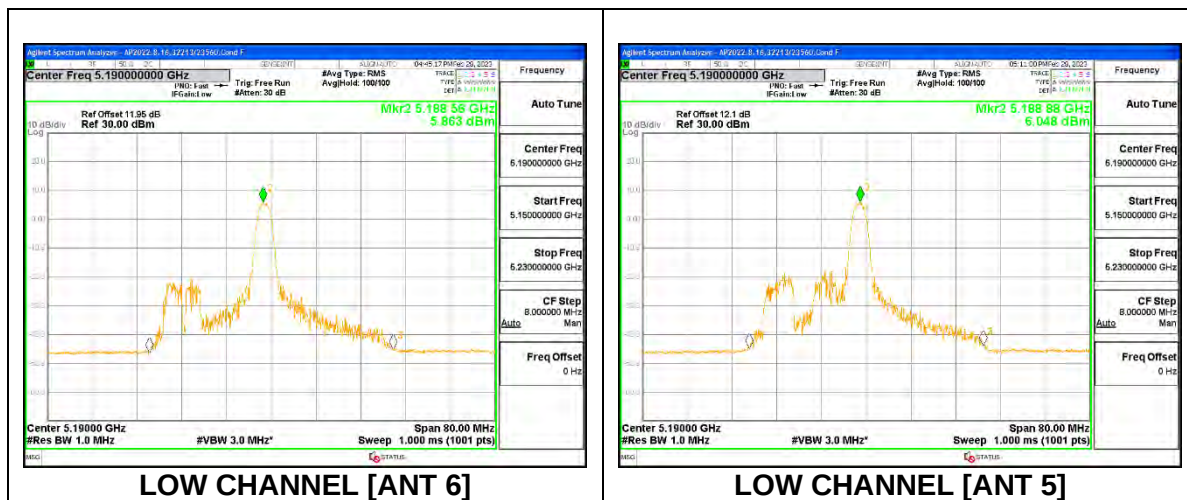
|                    |      |                                        |
|--------------------|------|----------------------------------------|
| Duty Cycle CF (dB) | 0.00 | Included in Calculations of Corr'd PSD |
|--------------------|------|----------------------------------------|

**Output Power Results**

| Channel | Frequency<br>(MHz) | Antenna 6<br>Meas<br>Power<br>(dBm) | Antenna 5<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     | 5190               | 8.23                                | 8.24                                | 11.25                             | 24.00                   | -12.75                  |
| High    | 5230               | 8.21                                | 8.22                                | 11.23                             | 24.00                   | -12.77                  |

**PSD Results**

| Channel | Frequency<br>(MHz) | Antenna 6<br>Meas<br>PSD<br>(dBm/1MHz) | Antenna 5<br>Meas<br>PSD<br>(dBm/1MHz) | Total<br>Corr'd<br>PSD<br>(dBm/1MHz) | PSD<br>Limit<br>(dBm/ 1MHz) | PSD<br>Margin<br>(dB) |
|---------|--------------------|----------------------------------------|----------------------------------------|--------------------------------------|-----------------------------|-----------------------|
| Low     | 5190               | 5.863                                  | 6.048                                  | 8.967                                | 11.00                       | -2.033                |
| High    | 5230               | 5.800                                  | 5.927                                  | 8.874                                | 11.00                       | -2.126                |



**2TX Antenna 6 + Antenna 5 OFDMA MODE (FCC): 26-Tone, RU Index 17**

|                |            |
|----------------|------------|
| Test Engineer: | 32213      |
| Test Date:     | 02/28/2023 |

**Antenna Gain and Limits**

| Channel | Frequency<br>(MHz) | Directional<br>Gain<br>for Power<br>(dBi) | Directional<br>Gain<br>for PSD<br>(dBi) | Power<br>Limit<br>(dBm) | PSD<br>Limit<br>(dBm/ 1MHz) |
|---------|--------------------|-------------------------------------------|-----------------------------------------|-------------------------|-----------------------------|
| Low     | 5190               | -4.51                                     | -1.59                                   | 24.00                   | 11.00                       |
| High    | 5230               | -4.51                                     | -1.59                                   | 24.00                   | 11.00                       |

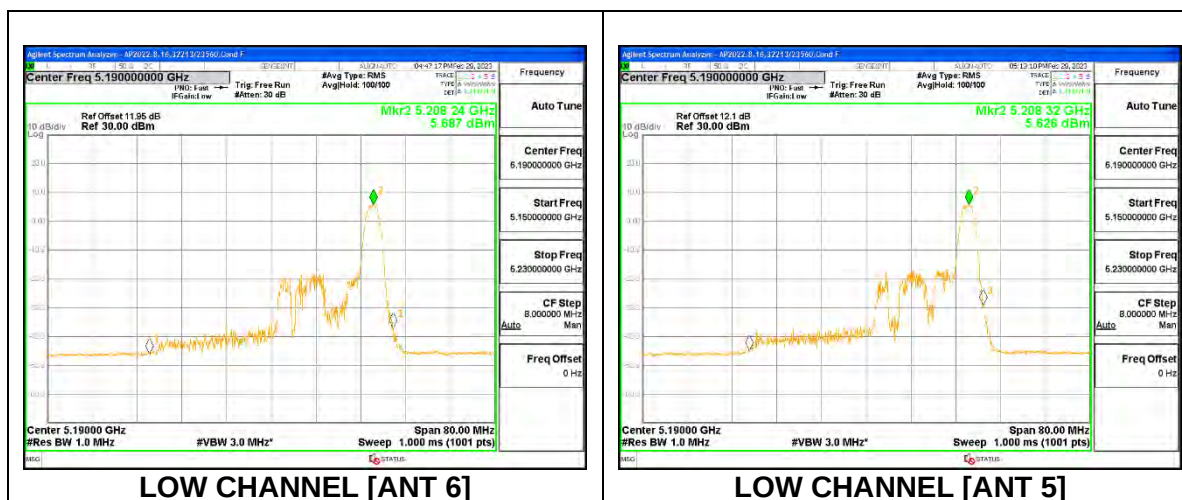
|                    |      |                                        |
|--------------------|------|----------------------------------------|
| Duty Cycle CF (dB) | 0.00 | Included in Calculations of Corr'd PSD |
|--------------------|------|----------------------------------------|

**Output Power Results**

| Channel | Frequency<br>(MHz) | Antenna 6<br>Meas<br>Power<br>(dBm) | Antenna 5<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     | 5190               | 8.19                                | 8.20                                | 11.21                             | 24.00                   | -12.79                  |
| High    | 5230               | 8.21                                | 8.25                                | 11.24                             | 24.00                   | -12.76                  |

**PSD Results**

| Channel | Frequency<br>(MHz) | Antenna 6<br>Meas<br>PSD<br>(dBm/1MHz) | Antenna 5<br>Meas<br>PSD<br>(dBm/1MHz) | Total<br>Corr'd<br>PSD<br>(dBm/1MHz) | PSD<br>Limit<br>(dBm/ 1MHz) | PSD<br>Margin<br>(dB) |
|---------|--------------------|----------------------------------------|----------------------------------------|--------------------------------------|-----------------------------|-----------------------|
| Low     | 5190               | 5.687                                  | 5.626                                  | 8.667                                | 11.00                       | -2.333                |
| High    | 5230               | 6.159                                  | 6.546                                  | 9.367                                | 11.00                       | -1.633                |



**2TX Antenna 6 + Antenna 5 OFDMA MODE (FCC): SU, Single User**

|                       |            |
|-----------------------|------------|
| <b>Test Engineer:</b> | 19336      |
| <b>Test Date:</b>     | 02/28/2023 |

**Antenna Gain and Limits**

| Channel | Frequency<br>(MHz) | Directional<br>Gain<br>for Power<br>(dBi) | Directional<br>Gain<br>for PSD<br>(dBi) | Power<br>Limit<br>(dBm) | PSD<br>Limit<br>(dBm/ 1MHz) |
|---------|--------------------|-------------------------------------------|-----------------------------------------|-------------------------|-----------------------------|
| Low     | 5190               | -4.51                                     | -1.59                                   | 24.00                   | 11.00                       |
| High    | 5230               | -4.51                                     | -1.59                                   | 24.00                   | 11.00                       |

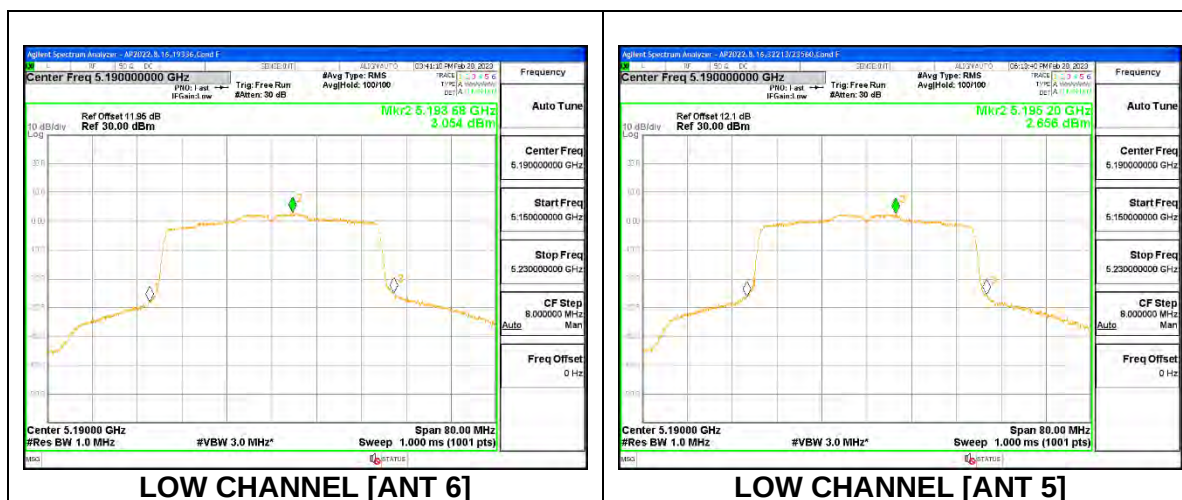
|                           |      |                                               |
|---------------------------|------|-----------------------------------------------|
| <b>Duty Cycle CF (dB)</b> | 0.12 | <b>Included in Calculations of Corr'd PSD</b> |
|---------------------------|------|-----------------------------------------------|

**Output Power Results**

| Channel | Frequency<br>(MHz) | Antenna 6<br>Meas<br>Power<br>(dBm) | Antenna 5<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     | 5190               | 15.74                               | 15.70                               | 18.73                             | 24.00                   | -5.27                   |
| High    | 5230               | 18.75                               | 18.74                               | 21.76                             | 24.00                   | -2.24                   |

**PSD Results**

| Channel | Frequency<br>(MHz) | Antenna 6<br>Meas<br>PSD<br>(dBm/1MHz) | Antenna 5<br>Meas<br>PSD<br>(dBm/1MHz) | Total<br>Corr'd<br>PSD<br>(dBm/1MHz) | PSD<br>Limit<br>(dBm/ 1MHz) | PSD<br>Margin<br>(dB) |
|---------|--------------------|----------------------------------------|----------------------------------------|--------------------------------------|-----------------------------|-----------------------|
| Low     | 5190               | 3.054                                  | 2.656                                  | 5.990                                | 11.00                       | -5.010                |
| High    | 5230               | 5.648                                  | 5.600                                  | 8.754                                | 11.00                       | -2.246                |



### 9.4.6. 802.11ax HE80 MODE IN THE 5.2 GHz BAND

#### 1TX Antenna 6 MODE (FCC): 26-Tone, RU Index 0

|                |            |
|----------------|------------|
| Test Engineer: | 32213      |
| Test Date:     | 02/28/2023 |

#### Antenna Gain and Limits

| Channel | Frequency<br>(MHz) | Directional<br>Gain<br>for Power<br>(dBi) | Power<br>Limit<br>(dBm) | PSD<br>Limit<br>(dBm/ 1MHz) |
|---------|--------------------|-------------------------------------------|-------------------------|-----------------------------|
| Mid     | 5210               | -3.40                                     | 24.00                   | 11.00                       |

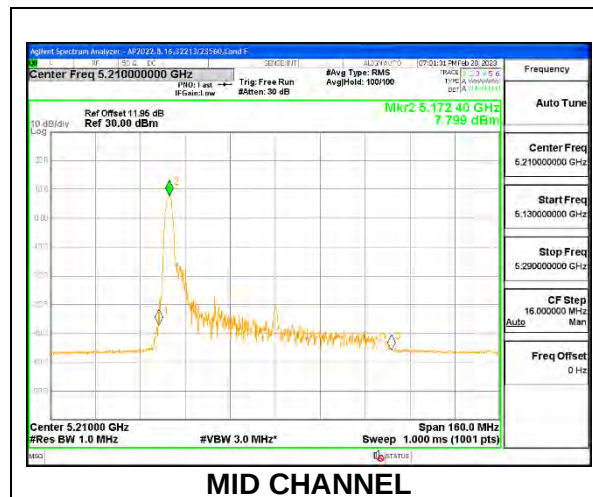
|                    |      |                                        |
|--------------------|------|----------------------------------------|
| Duty Cycle CF (dB) | 0.00 | Included in Calculations of Corr'd PSD |
|--------------------|------|----------------------------------------|

#### Output Power Results

| Channel | Frequency<br>(MHz) | Antenna 6<br>Meas<br>Power<br>(dBm) | Total<br>Corr'd<br>Power<br>(dBm) | Power<br>Limit<br>(dBm) | Power<br>Margin<br>(dB) |
|---------|--------------------|-------------------------------------|-----------------------------------|-------------------------|-------------------------|
| Mid     | 5210               | 6.21                                | 6.21                              | 24.00                   | -17.79                  |

#### PSD Results

| Channel | Frequency<br>(MHz) | Antenna 6<br>Meas<br>PSD<br>(dBm/1MHz) | Total<br>Corr'd<br>PSD<br>(dBm/1MHz) | PSD<br>Limit<br>(dBm/ 1MHz) | PSD<br>Margin<br>(dB) |
|---------|--------------------|----------------------------------------|--------------------------------------|-----------------------------|-----------------------|
| Mid     | 5210               | 7.799                                  | 7.799                                | 11.00                       | -3.201                |



**1TX Antenna 6 MODE (FCC): 26-Tone, RU Index 18**

|                |            |
|----------------|------------|
| Test Engineer: | 32213      |
| Test Date:     | 02/28/2023 |

**Antenna Gain and Limits**

| Channel | Frequency<br>(MHz) | Directional<br>Gain<br>for Power<br>(dBi) | Power<br>Limit<br>(dBm) | PSD<br>Limit<br>(dBm/ 1MHz) |
|---------|--------------------|-------------------------------------------|-------------------------|-----------------------------|
| Mid     | 5210               | -3.40                                     | 24.00                   | 11.00                       |

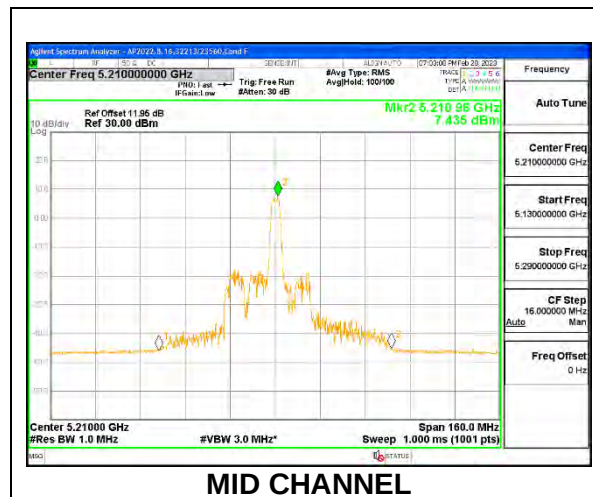
|                    |      |                                        |
|--------------------|------|----------------------------------------|
| Duty Cycle CF (dB) | 0.00 | Included in Calculations of Corr'd PSD |
|--------------------|------|----------------------------------------|

**Output Power Results**

| Channel | Frequency<br>(MHz) | Antenna 6<br>Meas<br>Power<br>(dBm) | Total<br>Corr'd<br>Power<br>(dBm) | Power<br>Limit<br>(dBm) | Power<br>Margin<br>(dB) |
|---------|--------------------|-------------------------------------|-----------------------------------|-------------------------|-------------------------|
| Mid     | 5210               | 6.22                                | 6.22                              | 24.00                   | -17.78                  |

**PSD Results**

| Channel | Frequency<br>(MHz) | Antenna 6<br>Meas<br>PSD<br>(dBm/1MHz) | Total<br>Corr'd<br>PSD<br>(dBm/1MHz) | PSD<br>Limit<br>(dBm/ 1MHz) | PSD<br>Margin<br>(dB) |
|---------|--------------------|----------------------------------------|--------------------------------------|-----------------------------|-----------------------|
| Mid     | 5210               | 7.435                                  | 7.435                                | 11.00                       | -3.565                |



**1TX Antenna 6 MODE (FCC): 26-Tone, RU Index 36**

|                |            |
|----------------|------------|
| Test Engineer: | 32213      |
| Test Date:     | 02/28/2023 |

**Antenna Gain and Limits**

| Channel | Frequency<br>(MHz) | Directional<br>Gain<br>for Power<br>(dBi) | Power<br>Limit<br>(dBm) | PSD<br>Limit<br>(dBm/ 1MHz) |
|---------|--------------------|-------------------------------------------|-------------------------|-----------------------------|
| Mid     | 5210               | -3.40                                     | 24.00                   | 11.00                       |

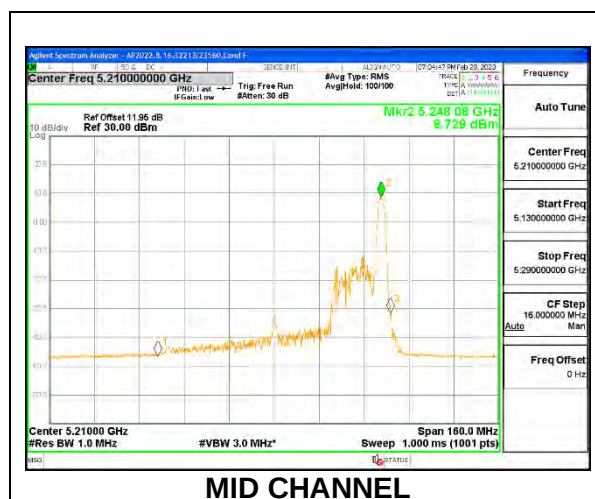
|                    |      |                                        |
|--------------------|------|----------------------------------------|
| Duty Cycle CF (dB) | 0.00 | Included in Calculations of Corr'd PSD |
|--------------------|------|----------------------------------------|

**Output Power Results**

| Channel | Frequency<br>(MHz) | Antenna 6<br>Meas<br>Power<br>(dBm) | Total<br>Corr'd<br>Power<br>(dBm) | Power<br>Limit<br>(dBm) | Power<br>Margin<br>(dB) |
|---------|--------------------|-------------------------------------|-----------------------------------|-------------------------|-------------------------|
| Mid     | 5210               | 6.20                                | 6.20                              | 24.00                   | -17.80                  |

**PSD Results**

| Channel | Frequency<br>(MHz) | Antenna 6<br>Meas<br>PSD<br>(dBm/1MHz) | Total<br>Corr'd<br>PSD<br>(dBm/1MHz) | PSD<br>Limit<br>(dBm/ 1MHz) | PSD<br>Margin<br>(dB) |
|---------|--------------------|----------------------------------------|--------------------------------------|-----------------------------|-----------------------|
| Mid     | 5210               | 8.729                                  | 8.729                                | 11.00                       | -2.271                |



**1TX Antenna 6 MODE (FCC): SU, Single User**

|                       |            |
|-----------------------|------------|
| <b>Test Engineer:</b> | 32213      |
| <b>Test Date:</b>     | 02/28/2023 |

**Antenna Gain and Limits**

| Channel | Frequency<br>(MHz) | Directional<br>Gain<br>for Power<br>(dBi) | Power<br>Limit<br>(dBm) | PSD<br>Limit<br>(dBm/ 1MHz) |
|---------|--------------------|-------------------------------------------|-------------------------|-----------------------------|
| Mid     | 5210               | -3.40                                     | 24.00                   | 11.00                       |

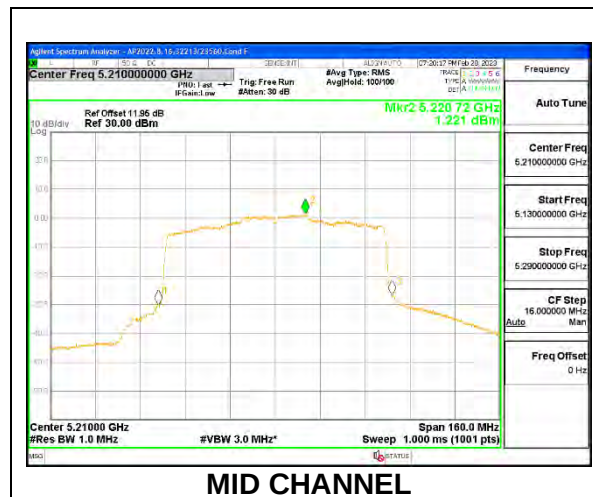
|                           |      |                                               |
|---------------------------|------|-----------------------------------------------|
| <b>Duty Cycle CF (dB)</b> | 0.21 | <b>Included in Calculations of Corr'd PSD</b> |
|---------------------------|------|-----------------------------------------------|

**Output Power Results**

| Channel | Frequency<br>(MHz) | Antenna 6<br>Meas<br>Power<br>(dBm) | Total<br>Corr'd<br>Power<br>(dBm) | Power<br>Limit<br>(dBm) | Power<br>Margin<br>(dB) |
|---------|--------------------|-------------------------------------|-----------------------------------|-------------------------|-------------------------|
| Mid     | 5210               | 16.72                               | 16.72                             | 24.00                   | -7.28                   |

**PSD Results**

| Channel | Frequency<br>(MHz) | Antenna 6<br>Meas<br>PSD<br>(dBm/1MHz) | Total<br>Corr'd<br>PSD<br>(dBm/1MHz) | PSD<br>Limit<br>(dBm/ 1MHz) | PSD<br>Margin<br>(dB) |
|---------|--------------------|----------------------------------------|--------------------------------------|-----------------------------|-----------------------|
| Mid     | 5210               | 1.221                                  | 1.431                                | 11.00                       | -9.569                |



**1TX Antenna 5 MODE (FCC): 26-Tone, RU Index 0**

|                       |            |
|-----------------------|------------|
| <b>Test Engineer:</b> | 32213      |
| <b>Test Date:</b>     | 02/28/2023 |

**Antenna Gain and Limits**

| Channel | Frequency<br>(MHz) | Directional<br>Gain<br>for Power<br>(dBi) | Power<br>Limit<br>(dBm) | PSD<br>Limit<br>(dBm/ 1MHz) |
|---------|--------------------|-------------------------------------------|-------------------------|-----------------------------|
| Mid     | 5210               | -6.00                                     | 24.00                   | 11.00                       |

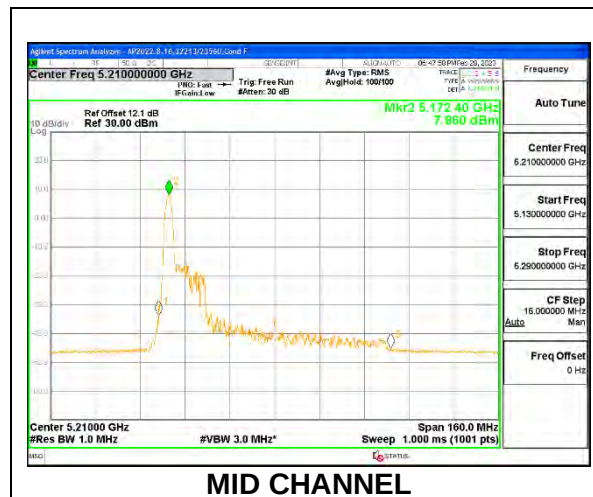
|                           |      |                                               |
|---------------------------|------|-----------------------------------------------|
| <b>Duty Cycle CF (dB)</b> | 0.00 | <b>Included in Calculations of Corr'd PSD</b> |
|---------------------------|------|-----------------------------------------------|

**Output Power Results**

| Channel | Frequency<br>(MHz) | Antenna 5<br>Meas<br>Power<br>(dBm) | Total<br>Corr'd<br>Power<br>(dBm) | Power<br>Limit<br>(dBm) | Power<br>Margin<br>(dB) |
|---------|--------------------|-------------------------------------|-----------------------------------|-------------------------|-------------------------|
| Mid     | 5210               | 6.22                                | 6.22                              | 24.00                   | -17.78                  |

**PSD Results**

| Channel | Frequency<br>(MHz) | Antenna 5<br>Meas<br>PSD<br>(dBm/1MHz) | Total<br>Corr'd<br>PSD<br>(dBm/1MHz) | PSD<br>Limit<br>(dBm/ 1MHz) | PSD<br>Margin<br>(dB) |
|---------|--------------------|----------------------------------------|--------------------------------------|-----------------------------|-----------------------|
| Mid     | 5210               | 7.860                                  | 7.860                                | 11.00                       | -3.140                |



**1TX Antenna 5 MODE (FCC): 26-Tone, RU Index 18**

|                       |            |
|-----------------------|------------|
| <b>Test Engineer:</b> | 32213      |
| <b>Test Date:</b>     | 02/28/2023 |

**Antenna Gain and Limits**

| Channel | Frequency<br>(MHz) | Directional<br>Gain<br>for Power<br>(dBi) | Power<br>Limit<br>(dBm) | PSD<br>Limit<br>(dBm/ 1MHz) |
|---------|--------------------|-------------------------------------------|-------------------------|-----------------------------|
| Mid     | 5210               | -6.00                                     | 24.00                   | 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) | Antenna 5<br>Meas<br>Power<br>(dBm) | Total<br>Corr'd<br>Power<br>(dBm) | Power<br>Limit<br>(dBm) | Power<br>Margin<br>(dB) |
|---------|--------------------|-------------------------------------|-----------------------------------|-------------------------|-------------------------|
| Mid     | 5210               | 6.19                                | 6.19                              | 24.00                   | -17.81                  |

**PSD Results**

| Channel | Frequency<br>(MHz) | Antenna 5<br>Meas<br>PSD<br>(dBm/1MHz) | Total<br>Corr'd<br>PSD<br>(dBm/1MHz) | PSD<br>Limit<br>(dBm/ 1MHz) | PSD<br>Margin<br>(dB) |
|---------|--------------------|----------------------------------------|--------------------------------------|-----------------------------|-----------------------|
| Mid     | 5210               | 7.205                                  | 7.205                                | 11.00                       | -3.795                |



**1TX Antenna 5 MODE (FCC): 26-Tone, RU Index 36**

|                       |            |
|-----------------------|------------|
| <b>Test Engineer:</b> | 32213      |
| <b>Test Date:</b>     | 02/28/2023 |

**Antenna Gain and Limits**

| Channel | Frequency<br>(MHz) | Directional<br>Gain<br>for Power<br>(dBi) | Power<br>Limit<br>(dBm) | PSD<br>Limit<br>(dBm/ 1MHz) |
|---------|--------------------|-------------------------------------------|-------------------------|-----------------------------|
| Mid     | 5210               | -6.00                                     | 24.00                   | 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) | Antenna 5<br>Meas<br>Power<br>(dBm) | Total<br>Corr'd<br>Power<br>(dBm) | Power<br>Limit<br>(dBm) | Power<br>Margin<br>(dB) |
|---------|--------------------|-------------------------------------|-----------------------------------|-------------------------|-------------------------|
| Mid     | 5210               | 6.24                                | 6.24                              | 24.00                   | -17.76                  |

**PSD Results**

| Channel | Frequency<br>(MHz) | Antenna 5<br>Meas<br>PSD<br>(dBm/1MHz) | Total<br>Corr'd<br>PSD<br>(dBm/1MHz) | PSD<br>Limit<br>(dBm/ 1MHz) | PSD<br>Margin<br>(dB) |
|---------|--------------------|----------------------------------------|--------------------------------------|-----------------------------|-----------------------|
| Mid     | 5210               | 8.338                                  | 8.338                                | 11.00                       | -2.662                |



**1TX Antenna 5 MODE (FCC): SU, Single User**

|                |            |
|----------------|------------|
| Test Engineer: | 32213      |
| Test Date:     | 02/28/2023 |

**Antenna Gain and Limits**

| Channel | Frequency<br>(MHz) | Directional<br>Gain<br>for Power<br>(dBi) | Power<br>Limit<br>(dBm) | PSD<br>Limit<br>(dBm/ 1MHz) |
|---------|--------------------|-------------------------------------------|-------------------------|-----------------------------|
| Mid     | 5210               | -6.00                                     | 24.00                   | 11.00                       |

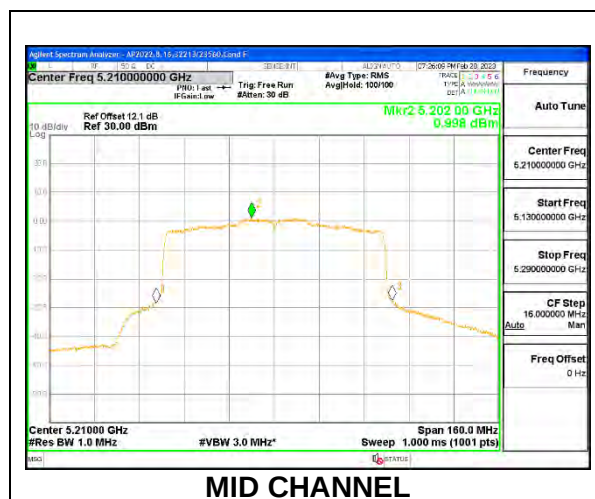
|                    |      |                                        |
|--------------------|------|----------------------------------------|
| Duty Cycle CF (dB) | 0.21 | Included in Calculations of Corr'd PSD |
|--------------------|------|----------------------------------------|

**Output Power Results**

| Channel | Frequency<br>(MHz) | Antenna 5<br>Meas<br>Power<br>(dBm) | Total<br>Corr'd<br>Power<br>(dBm) | Power<br>Limit<br>(dBm) | Power<br>Margin<br>(dB) |
|---------|--------------------|-------------------------------------|-----------------------------------|-------------------------|-------------------------|
| Mid     | 5210               | 16.69                               | 16.69                             | 24.00                   | -7.31                   |

**PSD Results**

| Channel | Frequency<br>(MHz) | Antenna 5<br>Meas<br>PSD<br>(dBm/1MHz) | Total<br>Corr'd<br>PSD<br>(dBm/1MHz) | PSD<br>Limit<br>(dBm/ 1MHz) | PSD<br>Margin<br>(dB) |
|---------|--------------------|----------------------------------------|--------------------------------------|-----------------------------|-----------------------|
| Mid     | 5210               | 0.998                                  | 1.208                                | 11.00                       | -9.792                |



**2TX Antenna 6 + Antenna 5 OFDMA MODE (FCC): 26-Tone, RU Index 0**

|                       |            |
|-----------------------|------------|
| <b>Test Engineer:</b> | 32213      |
| <b>Test Date:</b>     | 03/15/2023 |

**Antenna Gain and Limits**

| Channel | Frequency<br>(MHz) | Directional<br>Gain<br>for Power<br>(dBi) | Directional<br>Gain<br>for PSD<br>(dBi) | Power<br>Limit<br>(dBm) | PSD<br>Limit<br>(dBm/1MHz) |
|---------|--------------------|-------------------------------------------|-----------------------------------------|-------------------------|----------------------------|
| Mid     | 5210               | -4.51                                     | -1.59                                   | 24.00                   | 11.00                      |

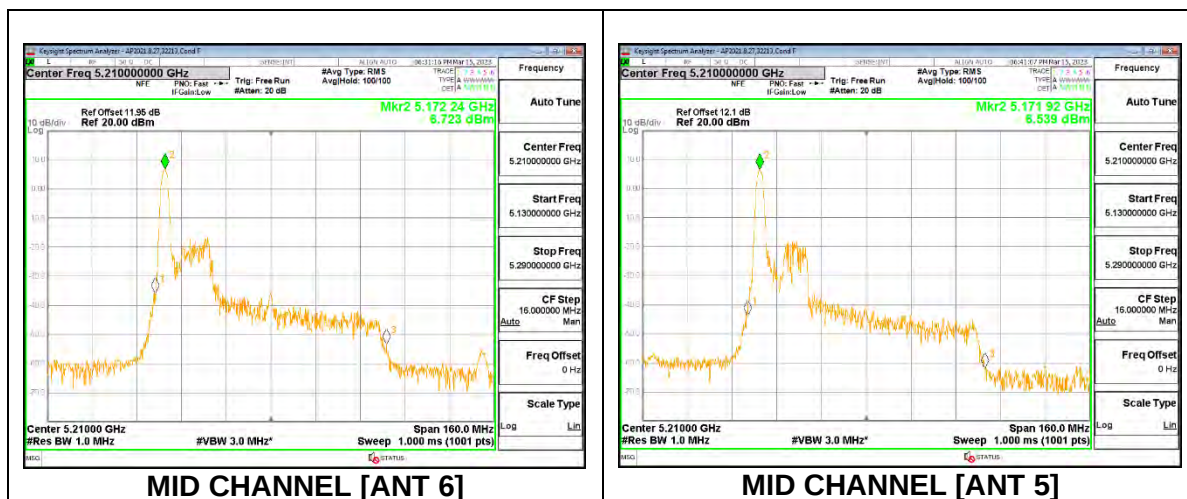
|                           |      |                                               |
|---------------------------|------|-----------------------------------------------|
| <b>Duty Cycle CF (dB)</b> | 0.00 | <b>Included in Calculations of Corr'd PSD</b> |
|---------------------------|------|-----------------------------------------------|

**Output Power Results**

| Channel | Frequency<br>(MHz) | Antenna 6<br>Meas<br>Power<br>(dBm) | Antenna 5<br>Meas<br>Power<br>(dBm) | Total<br>Corr'd<br>Power<br>(dBm) | Power<br>Limit<br>(dBm) | Power<br>Margin<br>(dB) |
|---------|--------------------|-------------------------------------|-------------------------------------|-----------------------------------|-------------------------|-------------------------|
| Mid     | 5210               | 6.22                                | 6.21                                | 9.23                              | 24.00                   | -14.77                  |

**PSD Results**

| Channel | Frequency<br>(MHz) | Antenna 6<br>Meas<br>PSD<br>(dBm/1MHz) | Antenna 5<br>Meas<br>PSD<br>(dBm/1MHz) | Total<br>Corr'd<br>PSD<br>(dBm/ 1MHz) | PSD<br>Limit<br>(dBm/ 1MHz) | PSD<br>Margin<br>(dB) |
|---------|--------------------|----------------------------------------|----------------------------------------|---------------------------------------|-----------------------------|-----------------------|
| Mid     | 5210               | 6.723                                  | 6.539                                  | 9.642                                 | 11.00                       | -1.358                |



**2TX Antenna 6 + Antenna 5 OFDMA MODE (FCC): 26-Tone, RU Index 18**

|                |            |
|----------------|------------|
| Test Engineer: | 32213      |
| Test Date:     | 03/15/2023 |

**Antenna Gain and Limits**

| Channel | Frequency<br>(MHz) | Directional<br>Gain<br>for Power<br>(dBi) | Directional<br>Gain<br>for PSD<br>(dBi) | Power<br>Limit<br>(dBm) | PSD<br>Limit<br>(dBm/1MHz) |
|---------|--------------------|-------------------------------------------|-----------------------------------------|-------------------------|----------------------------|
| Mid     | 5210               | -4.51                                     | -1.59                                   | 24.00                   | 11.00                      |

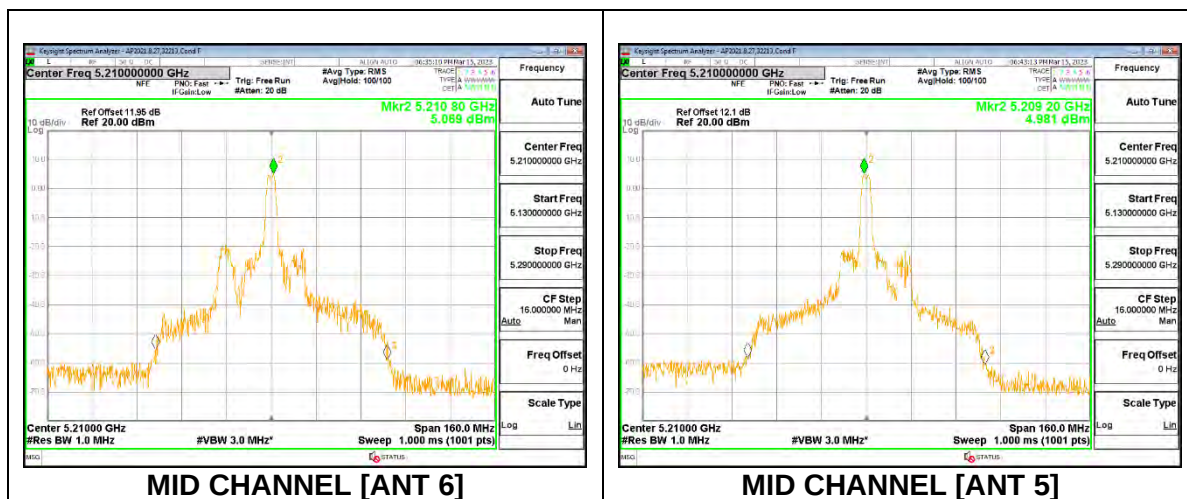
|                    |      |                                        |
|--------------------|------|----------------------------------------|
| Duty Cycle CF (dB) | 0.00 | Included in Calculations of Corr'd PSD |
|--------------------|------|----------------------------------------|

**Output Power Results**

| Channel | Frequency<br>(MHz) | Antenna 6<br>Meas<br>Power<br>(dBm) | Antenna 5<br>Meas<br>Power<br>(dBm) | Total<br>Corr'd<br>Power<br>(dBm) | Power<br>Limit<br>(dBm) | Power<br>Margin<br>(dB) |
|---------|--------------------|-------------------------------------|-------------------------------------|-----------------------------------|-------------------------|-------------------------|
| Mid     | 5210               | 6.23                                | 6.22                                | 9.24                              | 24.00                   | -14.76                  |

**PSD Results**

| Channel | Frequency<br>(MHz) | Antenna 6<br>Meas<br>PSD<br>(dBm/1MHz) | Antenna 5<br>Meas<br>PSD<br>(dBm/1MHz) | Total<br>Corr'd<br>PSD<br>(dBm/ 1MHz) | PSD<br>Limit<br>(dBm/ 1MHz) | PSD<br>Margin<br>(dB) |
|---------|--------------------|----------------------------------------|----------------------------------------|---------------------------------------|-----------------------------|-----------------------|
| Mid     | 5210               | 5.069                                  | 4.981                                  | 8.036                                 | 11.00                       | -2.964                |



**2TX Antenna 6 + Antenna 5 OFDMA MODE (FCC): 26-Tone, RU Index 36**

|                |            |
|----------------|------------|
| Test Engineer: | 32213      |
| Test Date:     | 03/15/2023 |

**Antenna Gain and Limits**

| Channel | Frequency<br>(MHz) | Directional<br>Gain<br>for Power<br>(dBi) | Directional<br>Gain<br>for PSD<br>(dBi) | Power<br>Limit<br>(dBm) | PSD<br>Limit<br>(dBm/1MHz) |
|---------|--------------------|-------------------------------------------|-----------------------------------------|-------------------------|----------------------------|
| Mid     | 5210               | -4.51                                     | -1.59                                   | 24.00                   | 11.00                      |

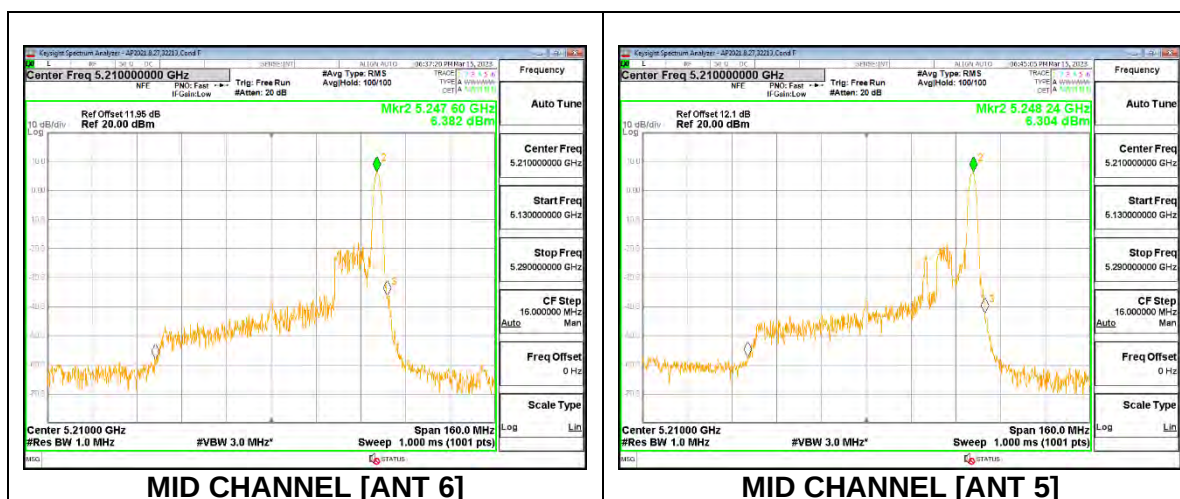
|                    |      |                                        |
|--------------------|------|----------------------------------------|
| Duty Cycle CF (dB) | 0.00 | Included in Calculations of Corr'd PSD |
|--------------------|------|----------------------------------------|

**Output Power Results**

| Channel | Frequency<br>(MHz) | Antenna 6<br>Meas<br>Power<br>(dBm) | Antenna 5<br>Meas<br>Power<br>(dBm) | Total<br>Corr'd<br>Power<br>(dBm) | Power<br>Limit<br>(dBm) | Power<br>Margin<br>(dB) |
|---------|--------------------|-------------------------------------|-------------------------------------|-----------------------------------|-------------------------|-------------------------|
| Mid     | 5210               | 6.22                                | 6.20                                | 9.22                              | 24.00                   | -14.78                  |

**PSD Results**

| Channel | Frequency<br>(MHz) | Antenna 6<br>Meas<br>PSD<br>(dBm/1MHz) | Antenna 5<br>Meas<br>PSD<br>(dBm/1MHz) | Total<br>Corr'd<br>PSD<br>(dBm/ 1MHz) | PSD<br>Limit<br>(dBm/ 1MHz) | PSD<br>Margin<br>(dB) |
|---------|--------------------|----------------------------------------|----------------------------------------|---------------------------------------|-----------------------------|-----------------------|
| Mid     | 5210               | 6.382                                  | 6.304                                  | 9.353                                 | 11.00                       | -1.647                |



**2TX Antenna 6 + Antenna 5 OFDMA MODE (FCC): SU, Single User**

|                       |            |
|-----------------------|------------|
| <b>Test Engineer:</b> | 32213      |
| <b>Test Date:</b>     | 02/28/2023 |

**Antenna Gain and Limits**

| Channel | Frequency<br>(MHz) | Directional<br>Gain<br>for Power<br>(dBi) | Directional<br>Gain<br>for PSD<br>(dBi) | Power<br>Limit<br>(dBm) | PSD<br>Limit<br>(dBm/1MHz) |
|---------|--------------------|-------------------------------------------|-----------------------------------------|-------------------------|----------------------------|
| Mid     | 5210               | -4.51                                     | -1.59                                   | 24.00                   | 11.00                      |

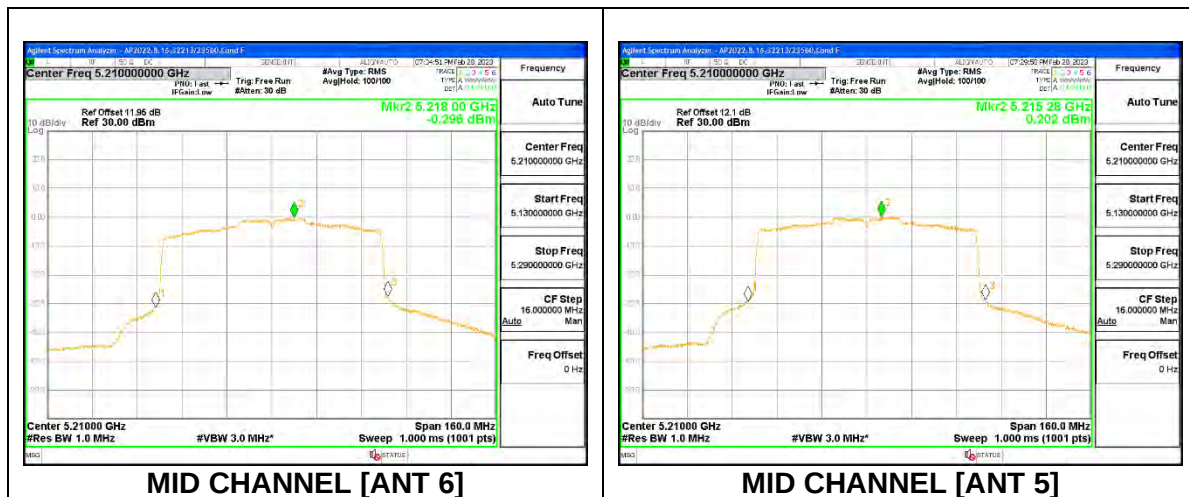
|                           |      |                                               |
|---------------------------|------|-----------------------------------------------|
| <b>Duty Cycle CF (dB)</b> | 0.21 | <b>Included in Calculations of Corr'd PSD</b> |
|---------------------------|------|-----------------------------------------------|

**Output Power Results**

| Channel | Frequency<br>(MHz) | Antenna 6<br>Meas<br>Power<br>(dBm) | Antenna 5<br>Meas<br>Power<br>(dBm) | Total<br>Corr'd<br>Power<br>(dBm) | Power<br>Limit<br>(dBm) | Power<br>Margin<br>(dB) |
|---------|--------------------|-------------------------------------|-------------------------------------|-----------------------------------|-------------------------|-------------------------|
| Mid     | 5210               | 15.67                               | 15.70                               | 18.70                             | 24.00                   | -5.30                   |

**PSD Results**

| Channel | Frequency<br>(MHz) | Antenna 6<br>Meas<br>PSD<br>(dBm/1MHz) | Antenna 5<br>Meas<br>PSD<br>(dBm/1MHz) | Total<br>Corr'd<br>PSD<br>(dBm/ 1MHz) | PSD<br>Limit<br>(dBm/ 1MHz) | PSD<br>Margin<br>(dB) |
|---------|--------------------|----------------------------------------|----------------------------------------|---------------------------------------|-----------------------------|-----------------------|
| Mid     | 5210               | -0.296                                 | 0.202                                  | 3.180                                 | 11.00                       | -7.820                |



### 9.4.7. 802.11n HT20 MODE IN THE 5.3 GHz BAND

#### 1TX Antenna 6 MODE (FCC)

|                |            |
|----------------|------------|
| Test Engineer: | 32213      |
| Test Date:     | 02/28/2023 |

#### Bandwidth, Antenna Gain, and Limits

| Channel | Frequency<br>(MHz) | Min<br>26dB BW<br>(MHz) | Directional<br>Gain<br>(dBi) | Power<br>Limit<br>(dBm) | PSD<br>Limit<br>(dBm/1MHz) |
|---------|--------------------|-------------------------|------------------------------|-------------------------|----------------------------|
| Low     | 5260               | 20.45                   | -3.20                        | 24.00                   | 11.00                      |
| Mid     | 5300               | 20.77                   | -3.20                        | 24.00                   | 11.00                      |
| High    | 5320               | 20.99                   | -3.20                        | 24.00                   | 11.00                      |

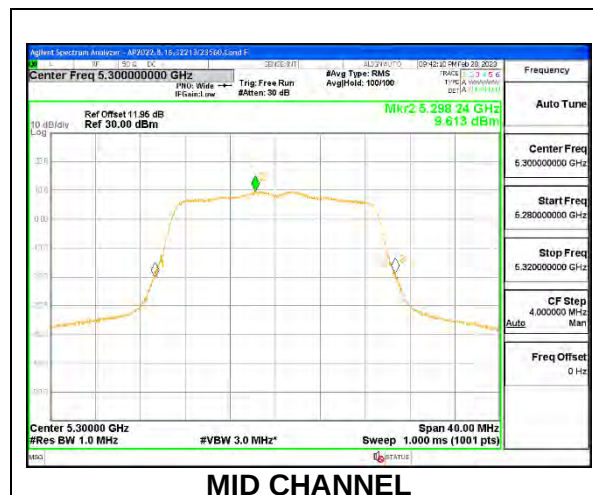
|                    |      |                                        |
|--------------------|------|----------------------------------------|
| Duty Cycle CF (dB) | 0.18 | Included in Calculations of Corr'd PSD |
|--------------------|------|----------------------------------------|

#### Output Power Results

| Channel | Frequency<br>(MHz) | Antenna 6<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     | 5260               | 19.19                               | 19.19                             | 24.00                   | -4.81                   |
| Mid     | 5300               | 19.22                               | 19.22                             | 24.00                   | -4.78                   |
| High    | 5320               | 18.73                               | 18.73                             | 24.00                   | -5.27                   |

#### PSD Results

| Channel | Frequency<br>(MHz) | Antenna 6<br>Meas<br>PSD<br>(dBm/1MHz) | Total<br>Corr'd<br>PSD<br>(dBm/1MHz) | PSD<br>Limit<br>(dBm/1MHz) | PSD<br>Margin<br>(dB) |
|---------|--------------------|----------------------------------------|--------------------------------------|----------------------------|-----------------------|
| Low     | 5260               | 9.723                                  | 9.903                                | 11.00                      | -1.097                |
| Mid     | 5300               | 9.613                                  | 9.793                                | 11.00                      | -1.207                |
| High    | 5320               | 8.446                                  | 8.626                                | 11.00                      | -2.374                |



**1TX Antenna 5 MODE (FCC)**

|                |            |
|----------------|------------|
| Test Engineer: | 32213      |
| Test Date:     | 02/28/2023 |

**Bandwidth, Antenna Gain, and Limits**

| Channel | Frequency<br>(MHz) | Min<br>26dB BW<br>(MHz) | Directional<br>Gain<br>(dBi) | Power<br>Limit<br>(dBm) | PSD<br>Limit<br>(dBm/1MHz) |
|---------|--------------------|-------------------------|------------------------------|-------------------------|----------------------------|
| Low     | 5260               | 21.05                   | -6.00                        | 24.00                   | 11.00                      |
| Mid     | 5300               | 21.00                   | -6.00                        | 24.00                   | 11.00                      |
| High    | 5320               | 21.40                   | -6.00                        | 24.00                   | 11.00                      |

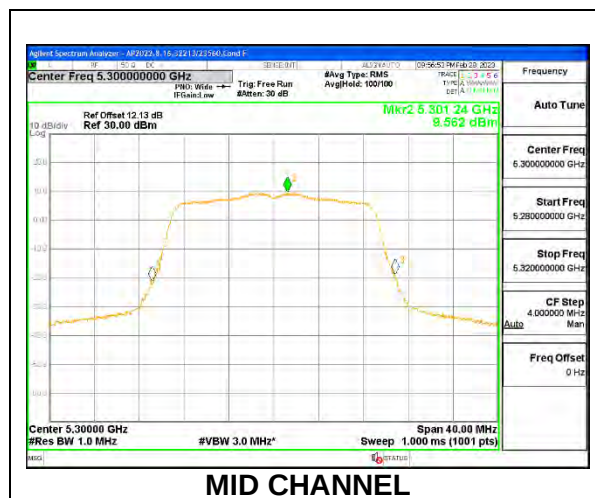
|                    |      |                                        |
|--------------------|------|----------------------------------------|
| Duty Cycle CF (dB) | 0.18 | Included in Calculations of Corr'd PSD |
|--------------------|------|----------------------------------------|

**Output Power Results**

| Channel | Frequency<br>(MHz) | Antenna 5<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     | 5260               | 19.18                               | 19.18                             | 24.00                   | -4.82                   |
| Mid     | 5300               | 19.20                               | 19.20                             | 24.00                   | -4.80                   |
| High    | 5320               | 18.73                               | 18.73                             | 24.00                   | -5.27                   |

**PSD Results**

| Channel | Frequency<br>(MHz) | Antenna 5<br>Meas<br>PSD<br>(dBm/1MHz) | Total<br>Corr'd<br>PSD<br>(dBm/1MHz) | PSD<br>Limit<br>(dBm/1MHz) | PSD<br>Margin<br>(dB) |
|---------|--------------------|----------------------------------------|--------------------------------------|----------------------------|-----------------------|
| Low     | 5260               | 9.302                                  | 9.482                                | 11.00                      | -1.518                |
| Mid     | 5300               | 9.562                                  | 9.742                                | 11.00                      | -1.258                |
| High    | 5320               | 9.090                                  | 9.270                                | 11.00                      | -1.730                |



**2TX Antenna 6 + Antenna 5 CDD MODE (FCC)**

|                |            |
|----------------|------------|
| Test Engineer: | 32213      |
| Test Date:     | 02/28/2023 |

**Bandwidth, Antenna Gain, and Limits**

| Channel | Frequency<br>(MHz) | Min<br>26dB BW<br>(MHz) | Directional<br>Gain<br>for Power<br>(dBi) | Directional<br>Gain<br>for PSD<br>(dBi) | Power<br>Limit<br>(dBm) | PSD<br>Limit<br>(dBm/1MHz) |
|---------|--------------------|-------------------------|-------------------------------------------|-----------------------------------------|-------------------------|----------------------------|
| Low     | 5260               | 20.780                  | -4.38                                     | -1.48                                   | 24.00                   | 11.00                      |
| Mid     | 5300               | 20.810                  | -4.38                                     | -1.48                                   | 24.00                   | 11.00                      |
| High    | 5320               | 21.000                  | -4.38                                     | -1.48                                   | 24.00                   | 11.00                      |

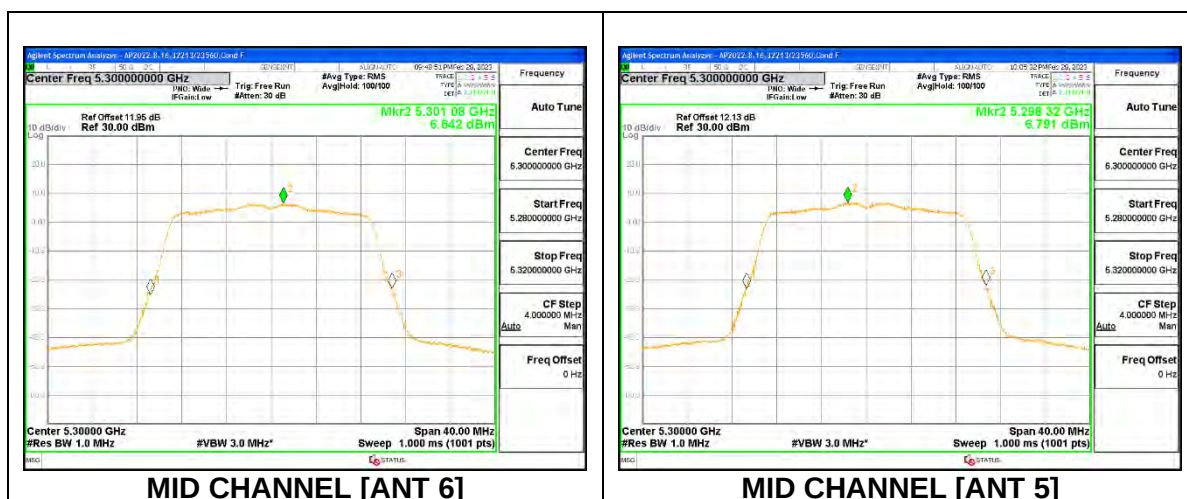
|                    |      |                                        |
|--------------------|------|----------------------------------------|
| Duty Cycle CF (dB) | 0.18 | Included in Calculations of Corr'd PSD |
|--------------------|------|----------------------------------------|

**Output Power Results**

| Channel | Frequency<br>(MHz) | Antenna 6<br>Meas<br>Power<br>(dBm) | Antenna 5<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     | 5260               | 16.16                               | 16.25                               | 19.22                             | 24.00                   | -4.78                   |
| Mid     | 5300               | 16.20                               | 16.22                               | 19.22                             | 24.00                   | -4.78                   |
| High    | 5320               | 16.23                               | 16.20                               | 19.23                             | 24.00                   | -4.77                   |

**PSD Results**

| Channel | Frequency<br>(MHz) | Antenna 6<br>Meas<br>PSD<br>(dBm/1MHz) | Antenna 5<br>Meas<br>PSD<br>(dBm/1MHz) | Total<br>Corr'd<br>PSD<br>(dBm/1MHz) | PSD<br>Limit<br>(dBm/1MHz) | PSD<br>Margin<br>(dB) |
|---------|--------------------|----------------------------------------|----------------------------------------|--------------------------------------|----------------------------|-----------------------|
| Low     | 5260               | 6.227                                  | 6.725                                  | 9.673                                | 11.00                      | -1.327                |
| Mid     | 5300               | 6.642                                  | 6.791                                  | 9.907                                | 11.00                      | -1.093                |
| High    | 5320               | 6.727                                  | 6.533                                  | 9.821                                | 11.00                      | -1.179                |



### 9.4.8. 802.11n HT40 MODE IN THE 5.3 GHz BAND

#### 1TX Antenna 6 MODE (FCC)

|                |            |
|----------------|------------|
| Test Engineer: | 32213      |
| Test Date:     | 02/28/2023 |

#### Bandwidth, Antenna Gain, and Limits

| Channel | Frequency<br>(MHz) | Min<br>26dB BW<br>(MHz) | Directional<br>Gain<br>(dBi) | Power<br>Limit<br>(dBm) | PSD<br>Limit<br>(dBm/1MHz) |
|---------|--------------------|-------------------------|------------------------------|-------------------------|----------------------------|
| Low     | 5270               | 40.77                   | -3.20                        | 24.00                   | 11.00                      |
| High    | 5310               | 42.53                   | -3.20                        | 24.00                   | 11.00                      |

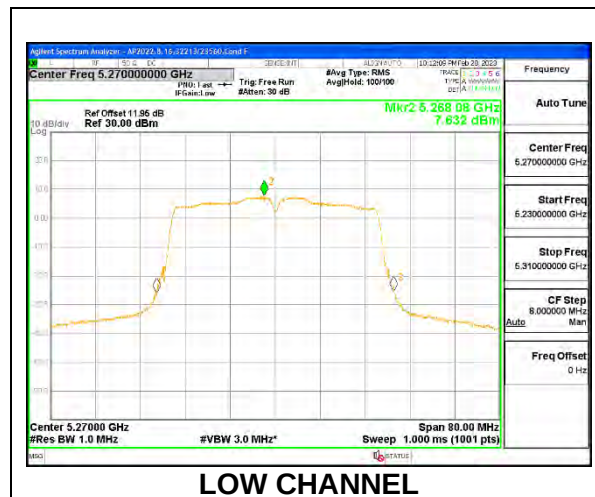
|                    |      |                                        |
|--------------------|------|----------------------------------------|
| Duty Cycle CF (dB) | 0.19 | Included in Calculations of Corr'd PSD |
|--------------------|------|----------------------------------------|

#### Output Power Results

| Channel | Frequency<br>(MHz) | Antenna 6<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     | 5270               | 20.23                               | 20.23                             | 24.00                   | -3.77                   |
| High    | 5310               | 16.66                               | 16.66                             | 24.00                   | -7.34                   |

#### PSD Results

| Channel | Frequency<br>(MHz) | Antenna 6<br>Meas<br>PSD<br>(dBm/1MHz) | Total<br>Corr'd<br>PSD<br>(dBm/1MHz) | PSD<br>Limit<br>(dBm/1MHz) | PSD<br>Margin<br>(dB) |
|---------|--------------------|----------------------------------------|--------------------------------------|----------------------------|-----------------------|
| Low     | 5270               | 7.632                                  | 7.822                                | 11.00                      | -3.178                |
| High    | 5310               | 3.949                                  | 3.949                                | 11.00                      | -7.051                |



**1TX Antenna 5 MODE (FCC)**

|                |            |
|----------------|------------|
| Test Engineer: | 32213      |
| Test Date:     | 02/28/2023 |

**Bandwidth, Antenna Gain, and Limits**

| Channel | Frequency<br>(MHz) | Min<br>26dB BW<br>(MHz) | Directional<br>Gain<br>(dBi) | Power<br>Limit<br>(dBm) | PSD<br>Limit<br>(dBm/1MHz) |
|---------|--------------------|-------------------------|------------------------------|-------------------------|----------------------------|
| Low     | 5270               | 40.83                   | -6.00                        | 24.00                   | 11.00                      |
| High    | 5310               | 42.24                   | -6.00                        | 24.00                   | 11.00                      |

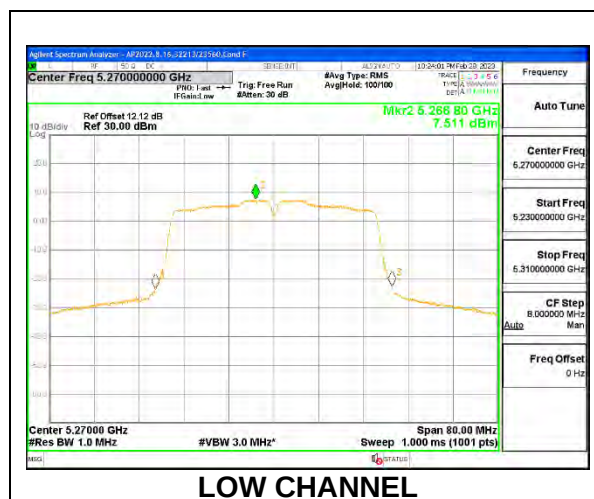
|                    |      |                                        |
|--------------------|------|----------------------------------------|
| Duty Cycle CF (dB) | 0.19 | Included in Calculations of Corr'd PSD |
|--------------------|------|----------------------------------------|

**Output Power Results**

| Channel | Frequency<br>(MHz) | Antenna 5<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     | 5270               | 20.21                               | 20.21                             | 24.00                   | -3.79                   |
| High    | 5310               | 16.68                               | 16.68                             | 24.00                   | -7.32                   |

**PSD Results**

| Channel | Frequency<br>(MHz) | Antenna 5<br>Meas<br>PSD<br>(dBm/1MHz) | Total<br>Corr'd<br>PSD<br>(dBm/1MHz) | PSD<br>Limit<br>(dBm/1MHz) | PSD<br>Margin<br>(dB) |
|---------|--------------------|----------------------------------------|--------------------------------------|----------------------------|-----------------------|
| Low     | 5270               | 7.511                                  | 7.701                                | 11.00                      | -3.299                |
| High    | 5310               | 3.823                                  | 3.823                                | 11.00                      | -7.177                |



**2TX Antenna 6 + Antenna 5 CDD MODE (FCC)**

|                |            |
|----------------|------------|
| Test Engineer: | 32213      |
| Test Date:     | 02/28/2023 |

**Bandwidth, Antenna Gain, and Limits**

| Channel | Frequency<br>(MHz) | Min<br>26dB BW<br>(MHz) | Directional<br>Gain<br>for Power<br>(dBi) | Directional<br>Gain<br>for PSD<br>(dBi) | Power<br>Limit<br>(dBm) | PSD<br>Limit<br>(dBm/1MHz) |
|---------|--------------------|-------------------------|-------------------------------------------|-----------------------------------------|-------------------------|----------------------------|
| Low     | 5270               | 40.70                   | -4.38                                     | -1.48                                   | 24.00                   | 11.00                      |
| High    | 5310               | 41.45                   | -4.38                                     | -1.48                                   | 24.00                   | 11.00                      |

|                    |      |                                        |
|--------------------|------|----------------------------------------|
| Duty Cycle CF (dB) | 0.19 | Included in Calculations of Corr'd PSD |
|--------------------|------|----------------------------------------|

**Output Power Results**

| Channel | Frequency<br>(MHz) | Antenna 6<br>Meas<br>Power<br>(dBm) | Antenna 5<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     | 5270               | 18.70                               | 18.66                               | 21.69                             | 24.00                   | -2.31                   |
| High    | 5310               | 15.19                               | 15.17                               | 18.19                             | 24.00                   | -5.81                   |

**PSD Results**

| Channel | Frequency<br>(MHz) | Antenna 6<br>Meas<br>PSD<br>(dBm/1MHz) | Antenna 5<br>Meas<br>PSD<br>(dBm/1MHz) | Total<br>Corr'd<br>PSD<br>(dBm/1MHz) | PSD<br>Limit<br>(dBm/1MHz) | PSD<br>Margin<br>(dB) |
|---------|--------------------|----------------------------------------|----------------------------------------|--------------------------------------|----------------------------|-----------------------|
| Low     | 5270               | 6.260                                  | 5.777                                  | 9.226                                | 11.00                      | -1.774                |
| High    | 5310               | 2.456                                  | 2.321                                  | 5.589                                | 11.00                      | -5.411                |

**LOW CHANNEL [ANT 6]****LOW CHANNEL [ANT 5]**

## 9.4.9. 802.11ac VHT80 MODE IN THE 5.3 GHz BAND

**1TX Antenna 6 MODE (FCC)**

|                |            |
|----------------|------------|
| Test Engineer: | 32213      |
| Test Date:     | 02/28/2023 |

**Bandwidth, Antenna Gain, and Limits**

| Channel | Frequency<br>(MHz) | Min<br>26dB BW<br>(MHz) | Directional<br>Gain<br>(dBi) | Power<br>Limit<br>(dBm) | PSD<br>Limit<br>(dBm/1MHz) |
|---------|--------------------|-------------------------|------------------------------|-------------------------|----------------------------|
| Mid     | 5290               | 82.73                   | -3.20                        | 24.00                   | 11.00                      |

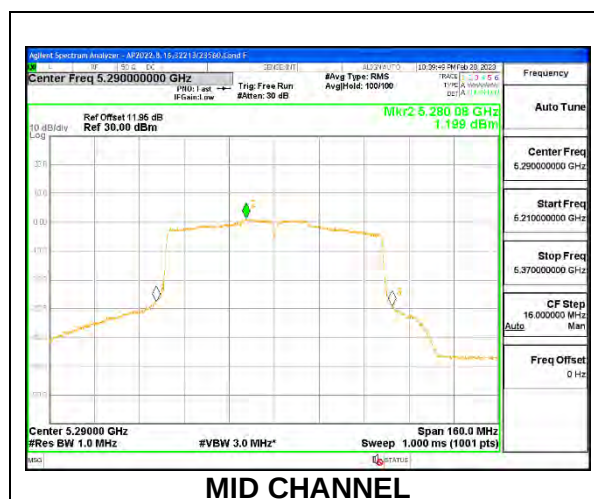
|                    |      |                                        |
|--------------------|------|----------------------------------------|
| Duty Cycle CF (dB) | 0.37 | Included in Calculations of Corr'd PSD |
|--------------------|------|----------------------------------------|

**Output Power Results**

| Channel | Frequency<br>(MHz) | Antenna 6<br>Meas<br>Power<br>(dBm) | Total<br>Corr'd<br>Power<br>(dBm) | Power<br>Limit<br>(dBm) | Power<br>Margin<br>(dB) |
|---------|--------------------|-------------------------------------|-----------------------------------|-------------------------|-------------------------|
| Mid     | 5290               | 16.70                               | 16.70                             | 24.00                   | -7.30                   |

**PSD Results**

| Channel | Frequency<br>(MHz) | Antenna 6<br>Meas<br>PSD<br>(dBm/1MHz) | Total<br>Corr'd<br>PSD<br>(dBm/1MHz) | PSD<br>Limit<br>(dBm/1MHz) | PSD<br>Margin<br>(dB) |
|---------|--------------------|----------------------------------------|--------------------------------------|----------------------------|-----------------------|
| Mid     | 5290               | 1.199                                  | 1.569                                | 11.00                      | -9.431                |



**1TX Antenna 5 MODE (FCC)**

|                |            |
|----------------|------------|
| Test Engineer: | 32213      |
| Test Date:     | 02/28/2023 |

**Bandwidth, Antenna Gain, and Limits**

| Channel | Frequency<br>(MHz) | Min<br>26dB BW<br>(MHz) | Directional<br>Gain<br>(dBi) | Power<br>Limit<br>(dBm) | PSD<br>Limit<br>(dBm/1MHz) |
|---------|--------------------|-------------------------|------------------------------|-------------------------|----------------------------|
| Mid     | 5290               | 81.09                   | -6.00                        | 24.00                   | 11.00                      |

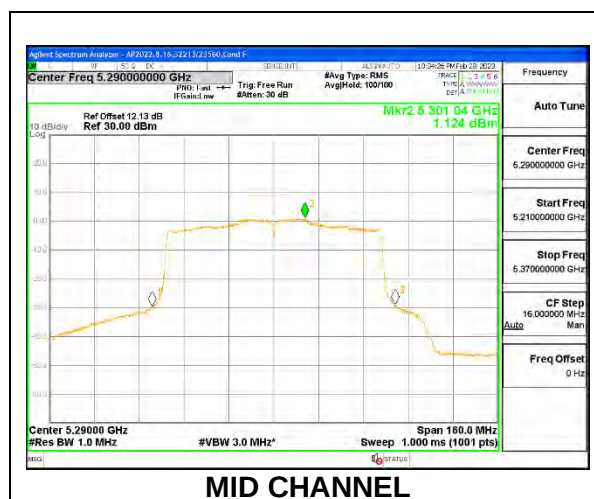
|                    |      |                                        |
|--------------------|------|----------------------------------------|
| Duty Cycle CF (dB) | 0.37 | Included in Calculations of Corr'd PSD |
|--------------------|------|----------------------------------------|

**Output Power Results**

| Channel | Frequency<br>(MHz) | Antenna 5<br>Meas<br>Power<br>(dBm) | Total<br>Corr'd<br>Power<br>(dBm) | Power<br>Limit<br>(dBm) | Power<br>Margin<br>(dB) |
|---------|--------------------|-------------------------------------|-----------------------------------|-------------------------|-------------------------|
| Mid     | 5290               | 16.74                               | 16.74                             | 24.00                   | -7.26                   |

**PSD Results**

| Channel | Frequency<br>(MHz) | Antenna 5<br>Meas<br>PSD<br>(dBm/1MHz) | Total<br>Corr'd<br>PSD<br>(dBm/1MHz) | PSD<br>Limit<br>(dBm/1MHz) | PSD<br>Margin<br>(dB) |
|---------|--------------------|----------------------------------------|--------------------------------------|----------------------------|-----------------------|
| Mid     | 5290               | 1.124                                  | 1.494                                | 11.00                      | -9.506                |



**2TX Antenna 6 + Antenna 5 CDD MODE (FCC)**

|                |            |
|----------------|------------|
| Test Engineer: | 32213      |
| Test Date:     | 02/28/2023 |

**Bandwidth, Antenna Gain, and Limits**

| Channel | Frequency<br>(MHz) | Min<br>26dB BW<br>(MHz) | Directional<br>Gain<br>for Power<br>(dBi) | Directional<br>Gain<br>for PSD<br>(dBi) | Power<br>Limit<br>(dBm) | PSD<br>Limit<br>(dBm/1MHz) |
|---------|--------------------|-------------------------|-------------------------------------------|-----------------------------------------|-------------------------|----------------------------|
| Mid     | 5290               | 81.74                   | -4.38                                     | -1.48                                   | 24.00                   | 11.00                      |

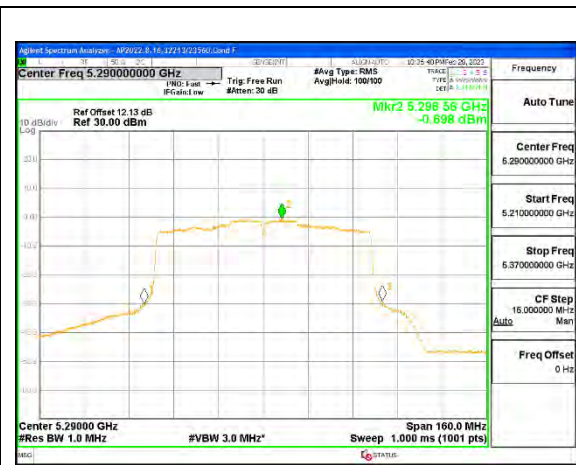
|                    |      |                                        |
|--------------------|------|----------------------------------------|
| Duty Cycle CF (dB) | 0.37 | Included in Calculations of Corr'd PSD |
|--------------------|------|----------------------------------------|

**Output Power Results**

| Channel | Frequency<br>(MHz) | Antenna 6<br>Meas<br>Power<br>(dBm) | Antenna 5<br>Meas<br>Power<br>(dBm) | Total<br>Corr'd<br>Power<br>(dBm) | Power<br>Limit<br>(dBm) | Power<br>Margin<br>(dB) |
|---------|--------------------|-------------------------------------|-------------------------------------|-----------------------------------|-------------------------|-------------------------|
| Mid     | 5290               | 15.25                               | 15.20                               | 18.24                             | 24.00                   | -5.76                   |

**PSD Results**

| Channel | Frequency<br>(MHz) | Antenna 6<br>Meas<br>PSD<br>(dBm/1MHz) | Antenna 5<br>Meas<br>PSD<br>(dBm/1MHz) | Total<br>Corr'd<br>PSD<br>(dBm/1MHz) | PSD<br>Limit<br>(dBm/1MHz) | PSD<br>Margin<br>(dB) |
|---------|--------------------|----------------------------------------|----------------------------------------|--------------------------------------|----------------------------|-----------------------|
| Mid     | 5290               | -0.465                                 | -0.698                                 | 2.800                                | 11.00                      | -8.200                |

**MID CHANNEL [ANT 6]****MID CHANNEL [ANT 5]**

## 9.4.10. 802.11ac VHT160 MODE IN THE 5.3 GHz BAND

**1TX Antenna 6 MODE (FCC)**

|                |            |
|----------------|------------|
| Test Engineer: | 32181      |
| Test Date:     | 08/08/2023 |

**Bandwidth, Antenna Gain, and Limits**

| Channel | Frequency<br>(MHz) | Min<br>26dB BW<br>(MHz) | Directional<br>Gain<br>(dBi) | Power<br>Limit<br>(dBm) | PSD<br>Limit<br>(dBm/1MHz) |
|---------|--------------------|-------------------------|------------------------------|-------------------------|----------------------------|
| Mid     | 5250               | 162.20                  | -3.20                        | 24.00                   | 11.00                      |

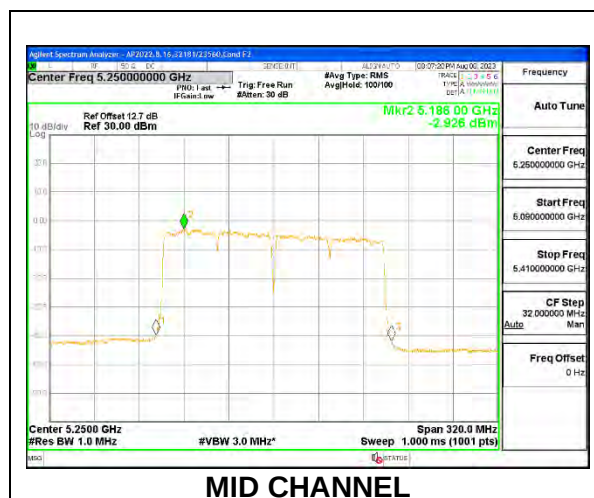
|                    |      |                                        |
|--------------------|------|----------------------------------------|
| Duty Cycle CF (dB) | 0.00 | Included in Calculations of Corr'd PSD |
|--------------------|------|----------------------------------------|

**Output Power Results**

| Channel | Frequency<br>(MHz) | Antenna 6<br>Meas<br>Power<br>(dBm) | Total<br>Corr'd<br>Power<br>(dBm) | Power<br>Limit<br>(dBm) | Power<br>Margin<br>(dB) |
|---------|--------------------|-------------------------------------|-----------------------------------|-------------------------|-------------------------|
| Mid     | 5250               | 16.21                               | 16.21                             | 24.00                   | -7.79                   |

**PSD Results**

| Channel | Frequency<br>(MHz) | Antenna 6<br>Meas<br>PSD<br>(dBm/1MHz) | Total<br>Corr'd<br>PSD<br>(dBm/1MHz) | PSD<br>Limit<br>(dBm/1MHz) | PSD<br>Margin<br>(dB) |
|---------|--------------------|----------------------------------------|--------------------------------------|----------------------------|-----------------------|
| Mid     | 5250               | -2.926                                 | -2.926                               | 11.00                      | -13.926               |



**1TX Antenna 5 MODE (FCC)**

|                |            |
|----------------|------------|
| Test Engineer: | 32181      |
| Test Date:     | 08/08/2023 |

**Bandwidth, Antenna Gain, and Limits**

| Channel | Frequency<br>(MHz) | Min<br>26dB BW<br>(MHz) | Directional<br>Gain<br>(dBi) | Power<br>Limit<br>(dBm) | PSD<br>Limit<br>(dBm/1MHz) |
|---------|--------------------|-------------------------|------------------------------|-------------------------|----------------------------|
| Mid     | 5250               | 164.10                  | -6.00                        | 24.00                   | 11.00                      |

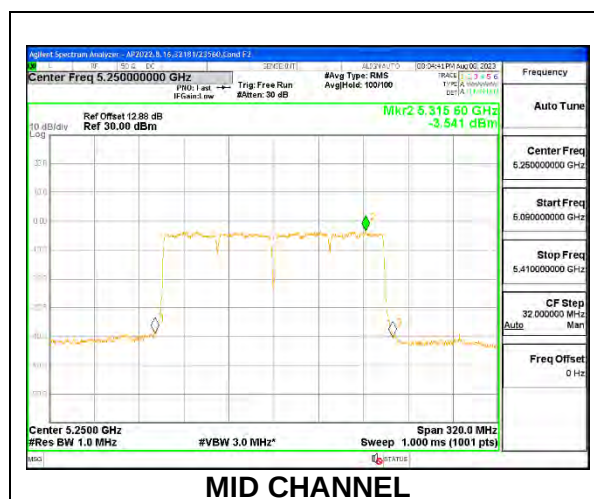
|                    |      |                                        |
|--------------------|------|----------------------------------------|
| Duty Cycle CF (dB) | 0.00 | Included in Calculations of Corr'd PSD |
|--------------------|------|----------------------------------------|

**Output Power Results**

| Channel | Frequency<br>(MHz) | Antenna 5<br>Meas<br>Power<br>(dBm) | Total<br>Corr'd<br>Power<br>(dBm) | Power<br>Limit<br>(dBm) | Power<br>Margin<br>(dB) |
|---------|--------------------|-------------------------------------|-----------------------------------|-------------------------|-------------------------|
| Mid     | 5250               | 16.17                               | 16.17                             | 24.00                   | -7.83                   |

**PSD Results**

| Channel | Frequency<br>(MHz) | Antenna 5<br>Meas<br>PSD<br>(dBm/1MHz) | Total<br>Corr'd<br>PSD<br>(dBm/1MHz) | PSD<br>Limit<br>(dBm/1MHz) | PSD<br>Margin<br>(dB) |
|---------|--------------------|----------------------------------------|--------------------------------------|----------------------------|-----------------------|
| Mid     | 5250               | -3.541                                 | -3.541                               | 11.00                      | -14.541               |



**2TX Antenna 6 + Antenna 5 CDD MODE (FCC)**

|                |            |
|----------------|------------|
| Test Engineer: | 32181      |
| Test Date:     | 08/08/2023 |

**Bandwidth, Antenna Gain, and Limits**

| Channel | Frequency<br>(MHz) | Min<br>26dB BW<br>(MHz) | Directional<br>Gain<br>for Power<br>(dBi) | Directional<br>Gain<br>for PSD<br>(dBi) | Power<br>Limit<br>(dBm) | PSD<br>Limit<br>(dBm/1MHz) |
|---------|--------------------|-------------------------|-------------------------------------------|-----------------------------------------|-------------------------|----------------------------|
| Mid     | 5250               | 162.40                  | -4.38                                     | -1.48                                   | 24.00                   | 11.00                      |

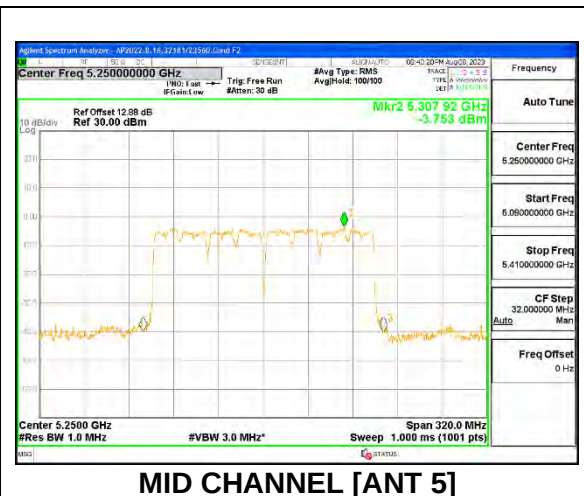
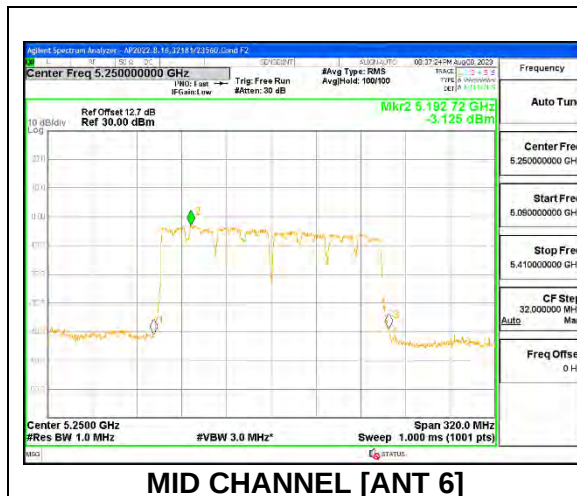
|                    |      |                                        |
|--------------------|------|----------------------------------------|
| Duty Cycle CF (dB) | 0.00 | Included in Calculations of Corr'd PSD |
|--------------------|------|----------------------------------------|

**Output Power Results**

| Channel | Frequency<br>(MHz) | Antenna 6<br>Meas<br>Power<br>(dBm) | Antenna 5<br>Meas<br>Power<br>(dBm) | Total<br>Corr'd<br>Power<br>(dBm) | Power<br>Limit<br>(dBm) | Power<br>Margin<br>(dB) |
|---------|--------------------|-------------------------------------|-------------------------------------|-----------------------------------|-------------------------|-------------------------|
| Mid     | 5250               | 15.21                               | 15.18                               | 18.21                             | 24.00                   | -5.79                   |

**PSD Results**

| Channel | Frequency<br>(MHz) | Antenna 6<br>Meas<br>PSD<br>(dBm/1MHz) | Antenna 5<br>Meas<br>PSD<br>(dBm/1MHz) | Total<br>Corr'd<br>PSD<br>(dBm/1MHz) | PSD<br>Limit<br>(dBm/1MHz) | PSD<br>Margin<br>(dB) |
|---------|--------------------|----------------------------------------|----------------------------------------|--------------------------------------|----------------------------|-----------------------|
| Mid     | 5250               | -3.125                                 | -3.753                                 | -0.417                               | 11.00                      | -11.417               |



## 9.4.11. 802.11ax HE20 MODE IN THE 5.3 GHz BAND

**1TX Antenna 6 MODE (FCC): 106-Tone, RU Index 53**

|                       |            |
|-----------------------|------------|
| <b>Test Engineer:</b> | 26118      |
| <b>Test Date:</b>     | 06/16/2023 |

**Bandwidth, Antenna Gain, and Limits**

| Channel | Frequency<br>(MHz) | Min<br>26dB BW<br>(MHz) | Directional<br>Gain<br>(dBi) | Power<br>Limit<br>(dBm) | PSD<br>Limit<br>(dBm/1MHz) |
|---------|--------------------|-------------------------|------------------------------|-------------------------|----------------------------|
| Low     | 5260               | 20.31                   | -3.20                        | 24.00                   | 11.00                      |
| Mid     | 5300               | 20.12                   | -3.20                        | 24.00                   | 11.00                      |
| High    | 5320               | 20.12                   | -3.20                        | 24.00                   | 11.00                      |

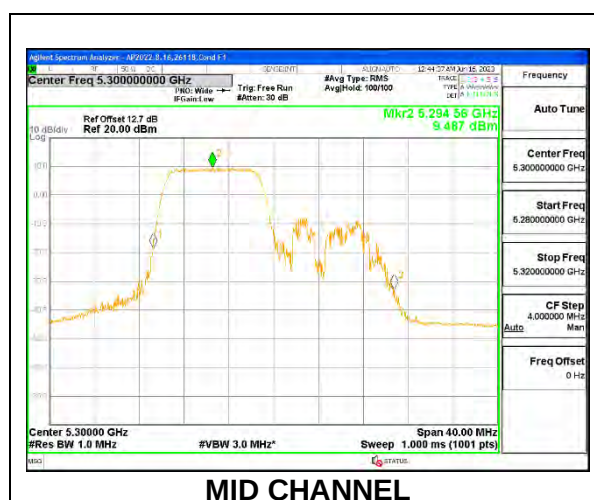
|                           |      |                                               |
|---------------------------|------|-----------------------------------------------|
| <b>Duty Cycle CF (dB)</b> | 0.00 | <b>Included in Calculations of Corr'd PSD</b> |
|---------------------------|------|-----------------------------------------------|

**Output Power Results**

| Channel | Frequency<br>(MHz) | Antenna 6<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     | 5260               | 17.24                               | 17.24                             | 24.00                   | -6.76                   |
| Mid     | 5300               | 17.20                               | 17.20                             | 24.00                   | -6.80                   |
| High    | 5320               | 17.22                               | 17.22                             | 24.00                   | -6.78                   |

**PSD Results**

| Channel | Frequency<br>(MHz) | Antenna 6<br>Meas<br>PSD<br>(dBm/1MHz) | Total<br>Corr'd<br>PSD<br>(dBm/1MHz) | PSD<br>Limit<br>(dBm/1MHz) | PSD<br>Margin<br>(dB) |
|---------|--------------------|----------------------------------------|--------------------------------------|----------------------------|-----------------------|
| Low     | 5260               | 9.562                                  | 9.562                                | 11.00                      | -1.438                |
| Mid     | 5300               | 9.487                                  | 9.487                                | 11.00                      | -1.513                |
| High    | 5320               | 9.475                                  | 9.475                                | 11.00                      | -1.525                |



**1TX Antenna 6 MODE (FCC): 106-Tone, RU Index 54**

|                |            |
|----------------|------------|
| Test Engineer: | 26118      |
| Test Date:     | 06/16/2023 |

**Bandwidth, Antenna Gain, and Limits**

| Channel | Frequency<br>(MHz) | Min<br>26dB BW<br>(MHz) | Directional<br>Gain<br>(dBi) | Power<br>Limit<br>(dBm) | PSD<br>Limit<br>(dBm/1MHz) |
|---------|--------------------|-------------------------|------------------------------|-------------------------|----------------------------|
| Low     | 5260               | 20.830                  | -3.20                        | 24.00                   | 11.00                      |
| Mid     | 5300               | 20.630                  | -3.20                        | 24.00                   | 11.00                      |
| High    | 5320               | 20.730                  | -3.20                        | 24.00                   | 11.00                      |

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

**Output Power Results**

| Channel | Frequency<br>(MHz) | Antenna 6<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     | 5260               | 17.22                               | 17.22                             | 24.00                   | -6.78                   |
| Mid     | 5300               | 17.21                               | 17.21                             | 24.00                   | -6.79                   |
| High    | 5320               | 17.19                               | 17.19                             | 24.00                   | -6.81                   |

**PSD Results**

| Channel | Frequency<br>(MHz) | Antenna 6<br>Meas<br>PSD<br>(dBm/1MHz) | Total<br>Corr'd<br>PSD<br>(dBm/1MHz) | PSD<br>Limit<br>(dBm/1MHz) | PSD<br>Margin<br>(dB) |
|---------|--------------------|----------------------------------------|--------------------------------------|----------------------------|-----------------------|
| Low     | 5260               | 9.798                                  | 9.798                                | 11.00                      | -1.202                |
| Mid     | 5300               | 9.557                                  | 9.557                                | 11.00                      | -1.443                |
| High    | 5320               | 9.457                                  | 9.457                                | 11.00                      | -1.543                |



**1TX Antenna 6 MODE (FCC): SU, Single User**

|                |            |
|----------------|------------|
| Test Engineer: | 32213      |
| Test Date:     | 02/28/2023 |

**Bandwidth, Antenna Gain, and Limits**

| Channel | Frequency<br>(MHz) | Min<br>26dB BW<br>(MHz) | Directional<br>Gain<br>(dBi) | Power<br>Limit<br>(dBm) | PSD<br>Limit<br>(dBm/1MHz) |
|---------|--------------------|-------------------------|------------------------------|-------------------------|----------------------------|
| Low     | 5260               | 20.79                   | -3.20                        | 24.00                   | 11.00                      |
| Mid     | 5300               | 20.67                   | -3.20                        | 24.00                   | 11.00                      |
| High    | 5320               | 21.24                   | -3.20                        | 24.00                   | 11.00                      |

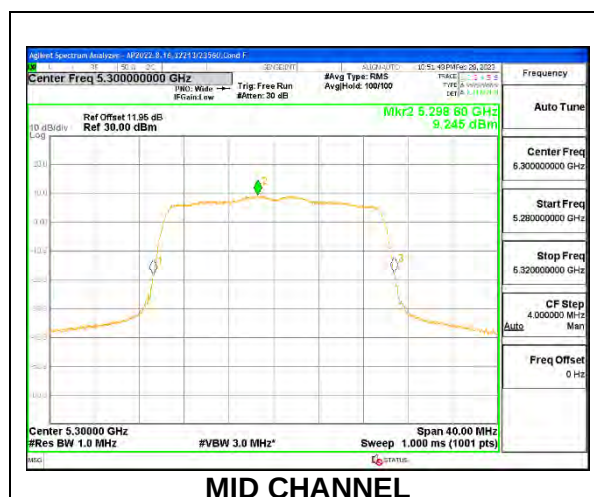
|                    |      |                                        |
|--------------------|------|----------------------------------------|
| Duty Cycle CF (dB) | 0.00 | Included in Calculations of Corr'd PSD |
|--------------------|------|----------------------------------------|

**Output Power Results**

| Channel | Frequency<br>(MHz) | Antenna 6<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     | 5260               | 19.20                               | 19.20                             | 24.00                   | -4.80                   |
| Mid     | 5300               | 19.22                               | 19.22                             | 24.00                   | -4.78                   |
| High    | 5320               | 18.19                               | 18.19                             | 24.00                   | -5.81                   |

**PSD Results**

| Channel | Frequency<br>(MHz) | Antenna 6<br>Meas<br>PSD<br>(dBm/1MHz) | Total<br>Corr'd<br>PSD<br>(dBm/1MHz) | PSD<br>Limit<br>(dBm/1MHz) | PSD<br>Margin<br>(dB) |
|---------|--------------------|----------------------------------------|--------------------------------------|----------------------------|-----------------------|
| Low     | 5260               | 9.197                                  | 9.197                                | 11.00                      | -1.803                |
| Mid     | 5300               | 9.245                                  | 9.245                                | 11.00                      | -1.755                |
| High    | 5320               | 8.279                                  | 8.279                                | 11.00                      | -2.721                |



**1TX Antenna 5 MODE (FCC): 106-Tone, RU Index 53**

|                |            |
|----------------|------------|
| Test Engineer: | 26118      |
| Test Date:     | 06/15/2023 |

**Bandwidth, Antenna Gain, and Limits**

| Channel | Frequency<br>(MHz) | Min<br>26dB BW<br>(MHz) | Directional<br>Gain<br>(dBi) | Power<br>Limit<br>(dBm) | PSD<br>Limit<br>(dBm/1MHz) |
|---------|--------------------|-------------------------|------------------------------|-------------------------|----------------------------|
| Low     | 5260               | 20.544                  | -6.00                        | 24.00                   | 11.00                      |
| Mid     | 5300               | 20.390                  | -6.00                        | 24.00                   | 11.00                      |
| High    | 5320               | 20.378                  | -6.00                        | 24.00                   | 11.00                      |

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

**Output Power Results**

| Channel | Frequency<br>(MHz) | Antenna 5<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     | 5260               | 17.23                               | 17.23                             | 24.00                   | -6.77                   |
| Mid     | 5300               | 17.24                               | 17.24                             | 24.00                   | -6.76                   |
| High    | 5320               | 17.19                               | 17.19                             | 24.00                   | -6.81                   |

**PSD Results**

| Channel | Frequency<br>(MHz) | Antenna 5<br>Meas<br>PSD<br>(dBm/1MHz) | Total<br>Corr'd<br>PSD<br>(dBm/1MHz) | PSD<br>Limit<br>(dBm/1MHz) | PSD<br>Margin<br>(dB) |
|---------|--------------------|----------------------------------------|--------------------------------------|----------------------------|-----------------------|
| Low     | 5260               | 9.776                                  | 9.776                                | 11.00                      | -1.224                |
| Mid     | 5300               | 9.643                                  | 9.643                                | 11.00                      | -1.357                |
| High    | 5320               | 9.199                                  | 9.199                                | 11.00                      | -1.801                |



**1TX Antenna 5 MODE (FCC): 106-Tone, RU Index 54**

|                |            |
|----------------|------------|
| Test Engineer: | 26118      |
| Test Date:     | 06/15/2023 |

**Bandwidth, Antenna Gain, and Limits**

| Channel | Frequency<br>(MHz) | Min<br>26dB BW<br>(MHz) | Directional<br>Gain<br>(dBi) | Power<br>Limit<br>(dBm) | PSD<br>Limit<br>(dBm/1MHz) |
|---------|--------------------|-------------------------|------------------------------|-------------------------|----------------------------|
| Low     | 5260               | 21.300                  | -6.00                        | 24.00                   | 11.00                      |
| Mid     | 5300               | 20.744                  | -6.00                        | 24.00                   | 11.00                      |
| High    | 5320               | 20.414                  | -6.00                        | 24.00                   | 11.00                      |

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

**Output Power Results**

| Channel | Frequency<br>(MHz) | Antenna 5<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     | 5260               | 17.22                               | 17.22                             | 24.00                   | -6.78                   |
| Mid     | 5300               | 17.25                               | 17.25                             | 24.00                   | -6.75                   |
| High    | 5320               | 17.24                               | 17.24                             | 24.00                   | -6.76                   |

**PSD Results**

| Channel | Frequency<br>(MHz) | Antenna 5<br>Meas<br>PSD<br>(dBm/1MHz) | Total<br>Corr'd<br>PSD<br>(dBm/1MHz) | PSD<br>Limit<br>(dBm/1MHz) | PSD<br>Margin<br>(dB) |
|---------|--------------------|----------------------------------------|--------------------------------------|----------------------------|-----------------------|
| Low     | 5260               | 9.461                                  | 9.461                                | 11.00                      | -1.539                |
| Mid     | 5300               | 9.854                                  | 9.854                                | 11.00                      | -1.146                |
| High    | 5320               | 9.364                                  | 9.364                                | 11.00                      | -1.636                |



**1TX Antenna 5 MODE (FCC): SU, Single User**

|                |            |
|----------------|------------|
| Test Engineer: | 32213      |
| Test Date:     | 02/28/2023 |

**Bandwidth, Antenna Gain, and Limits**

| Channel | Frequency<br>(MHz) | Min<br>26dB BW<br>(MHz) | Directional<br>Gain<br>(dBi) | Power<br>Limit<br>(dBm) | PSD<br>Limit<br>(dBm/1MHz) |
|---------|--------------------|-------------------------|------------------------------|-------------------------|----------------------------|
| Low     | 5260               | 20.51                   | -6.00                        | 24.00                   | 11.00                      |
| Mid     | 5300               | 20.77                   | -6.00                        | 24.00                   | 11.00                      |
| High    | 5320               | 20.90                   | -6.00                        | 24.00                   | 11.00                      |

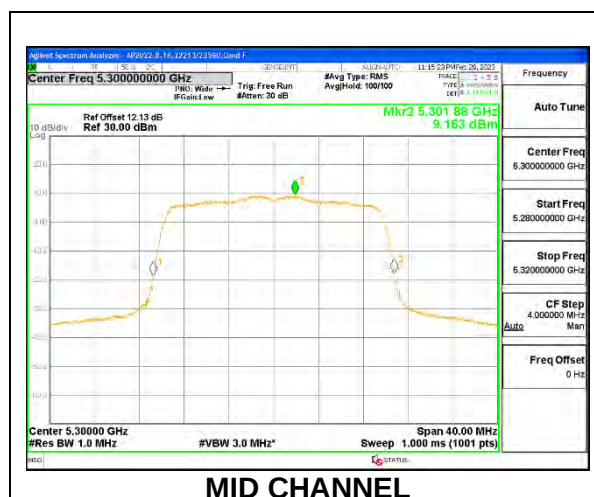
|                    |      |                                        |
|--------------------|------|----------------------------------------|
| Duty Cycle CF (dB) | 0.00 | Included in Calculations of Corr'd PSD |
|--------------------|------|----------------------------------------|

**Output Power Results**

| Channel | Frequency<br>(MHz) | Antenna 5<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     | 5260               | 19.25                               | 19.25                             | 24.00                   | -4.75                   |
| Mid     | 5300               | 19.18                               | 19.18                             | 24.00                   | -4.82                   |
| High    | 5320               | 18.20                               | 18.20                             | 24.00                   | -5.80                   |

**PSD Results**

| Channel | Frequency<br>(MHz) | Antenna 5<br>Meas<br>PSD<br>(dBm/1MHz) | Total<br>Corr'd<br>PSD<br>(dBm/1MHz) | PSD<br>Limit<br>(dBm/1MHz) | PSD<br>Margin<br>(dB) |
|---------|--------------------|----------------------------------------|--------------------------------------|----------------------------|-----------------------|
| Low     | 5260               | 9.503                                  | 9.503                                | 11.00                      | -1.497                |
| Mid     | 5300               | 9.163                                  | 9.163                                | 11.00                      | -1.837                |
| High    | 5320               | 8.397                                  | 8.397                                | 11.00                      | -2.603                |



**2TX Antenna 6 + Antenna 5 OFDMA MODE (FCC): 106-Tone, RU Index 53**

|                |            |
|----------------|------------|
| Test Engineer: | 26118      |
| Test Date:     | 05/04/2023 |

**Bandwidth, Antenna Gain, and Limits**

| Channel | Frequency<br>(MHz) | Min<br>26dB BW<br>(MHz) | Directional<br>Gain<br>for Power<br>(dBi) | Directional<br>Gain<br>for PSD<br>(dBi) | Power<br>Limit<br>(dBm) | PSD<br>Limit<br>(dBm/1MHz) |
|---------|--------------------|-------------------------|-------------------------------------------|-----------------------------------------|-------------------------|----------------------------|
| Low     | 5260               | 19.837                  | -4.38                                     | -1.48                                   | 23.97                   | 11.00                      |
| Mid     | 5300               | 20.350                  | -4.38                                     | -1.48                                   | 24.00                   | 11.00                      |
| High    | 5320               | 20.179                  | -4.38                                     | -1.48                                   | 24.00                   | 11.00                      |

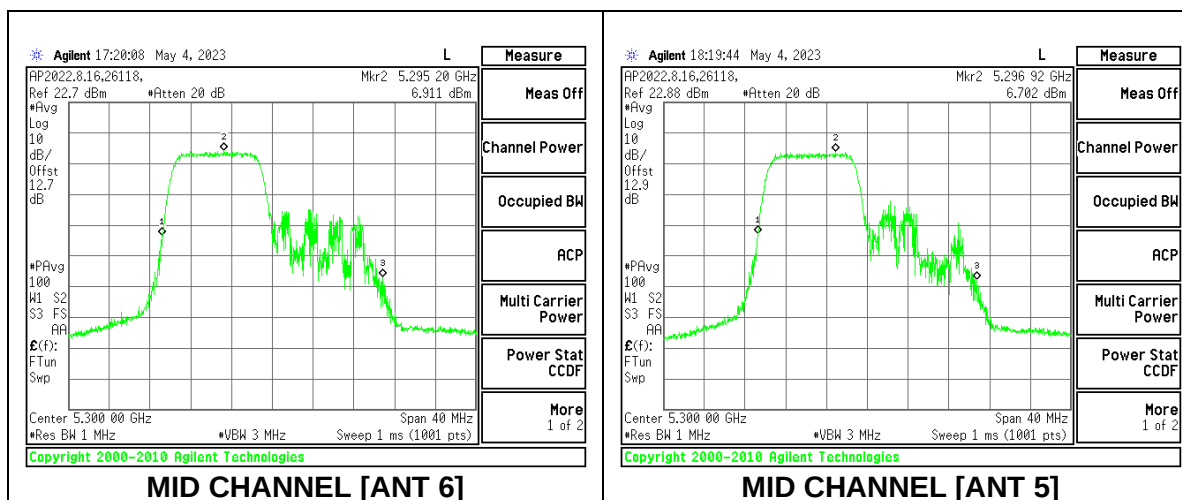
|                    |      |                                        |
|--------------------|------|----------------------------------------|
| Duty Cycle CF (dB) | 0.00 | Included in Calculations of Corr'd PSD |
|--------------------|------|----------------------------------------|

**Output Power Results**

| Channel | Frequency<br>(MHz) | Antenna 6<br>Meas<br>Power<br>(dBm) | Antenna 5<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     | 5260               | 14.20                               | 14.17                               | 17.20                             | 23.97                   | -6.78                   |
| Mid     | 5300               | 14.19                               | 14.16                               | 17.19                             | 24.00                   | -6.81                   |
| High    | 5320               | 14.14                               | 14.15                               | 17.16                             | 24.00                   | -6.84                   |

**PSD Results**

| Channel | Frequency<br>(MHz) | Antenna 6<br>Meas<br>PSD<br>(dBm/1MHz) | Antenna 5<br>Meas<br>PSD<br>(dBm/1MHz) | Total<br>Corr'd<br>PSD<br>(dBm/1MHz) | PSD<br>Limit<br>(dBm/1MHz) | PSD<br>Margin<br>(dB) |
|---------|--------------------|----------------------------------------|----------------------------------------|--------------------------------------|----------------------------|-----------------------|
| Low     | 5260               | 7.022                                  | 6.783                                  | 9.914                                | 11.00                      | -1.086                |
| Mid     | 5300               | 6.911                                  | 6.702                                  | 9.818                                | 11.00                      | -1.182                |
| High    | 5320               | 6.538                                  | 6.581                                  | 9.570                                | 11.00                      | -1.430                |



**2TX Antenna 6 + Antenna 5 OFDMA MODE (FCC): 106-Tone, RU Index 54**

|                |            |
|----------------|------------|
| Test Engineer: | 26118      |
| Test Date:     | 05/04/2023 |

**Bandwidth, Antenna Gain, and Limits**

| Channel | Frequency<br>(MHz) | Min<br>26dB BW<br>(MHz) | Directional<br>Gain<br>for Power<br>(dBi) | Directional<br>Gain<br>for PSD<br>(dBi) | Power<br>Limit<br>(dBm) | PSD<br>Limit<br>(dBm/1MHz) |
|---------|--------------------|-------------------------|-------------------------------------------|-----------------------------------------|-------------------------|----------------------------|
| Low     | 5260               | 19.660                  | -4.38                                     | -1.48                                   | 23.94                   | 11.00                      |
| Mid     | 5300               | 19.723                  | -4.38                                     | -1.48                                   | 23.95                   | 11.00                      |
| High    | 5320               | 19.977                  | -4.38                                     | -1.48                                   | 24.00                   | 11.00                      |

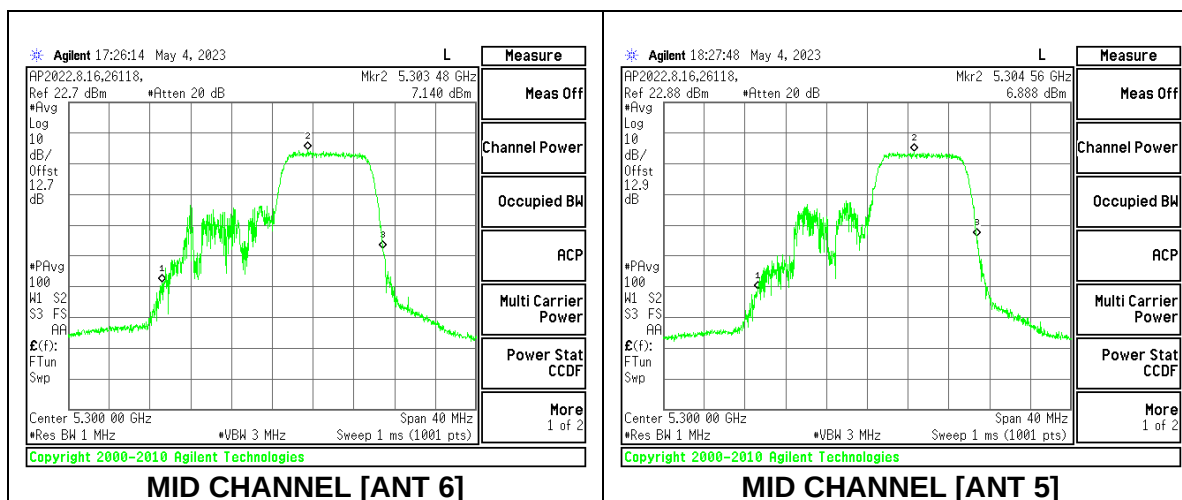
|                    |      |                                        |
|--------------------|------|----------------------------------------|
| Duty Cycle CF (dB) | 0.00 | Included in Calculations of Corr'd PSD |
|--------------------|------|----------------------------------------|

**Output Power Results**

| Channel | Frequency<br>(MHz) | Antenna 6<br>Meas<br>Power<br>(dBm) | Antenna 5<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     | 5260               | 14.23                               | 14.20                               | 17.23                             | 23.94                   | -6.71                   |
| Mid     | 5300               | 14.24                               | 14.22                               | 17.24                             | 23.95                   | -6.71                   |
| High    | 5320               | 14.19                               | 14.17                               | 17.19                             | 24.00                   | -6.81                   |

**PSD Results**

| Channel | Frequency<br>(MHz) | Antenna 6<br>Meas<br>PSD<br>(dBm/1MHz) | Antenna 5<br>Meas<br>PSD<br>(dBm/1MHz) | Total<br>Corr'd<br>PSD<br>(dBm/1MHz) | PSD<br>Limit<br>(dBm/1MHz) | PSD<br>Margin<br>(dB) |
|---------|--------------------|----------------------------------------|----------------------------------------|--------------------------------------|----------------------------|-----------------------|
| Low     | 5260               | 6.897                                  | 6.645                                  | 9.783                                | 11.00                      | -1.217                |
| Mid     | 5300               | 7.140                                  | 6.888                                  | 10.026                               | 11.00                      | -0.974                |
| High    | 5320               | 6.695                                  | 6.539                                  | 9.628                                | 11.00                      | -1.372                |



**2TX Antenna 6 + Antenna 5 OFDMA MODE (FCC): SU, Single User**

|                |            |
|----------------|------------|
| Test Engineer: | 32213      |
| Test Date:     | 02/28/2023 |

**Bandwidth, Antenna Gain, and Limits**

| Channel | Frequency<br>(MHz) | Min<br>26dB BW<br>(MHz) | Directional<br>Gain<br>for Power<br>(dBi) | Directional<br>Gain<br>for PSD<br>(dBi) | Power<br>Limit<br>(dBm) | PSD<br>Limit<br>(dBm/1MHz) |
|---------|--------------------|-------------------------|-------------------------------------------|-----------------------------------------|-------------------------|----------------------------|
| Low     | 5260               | 20.56                   | -4.38                                     | -1.48                                   | 24.00                   | 11.00                      |
| Mid     | 5300               | 20.68                   | -4.38                                     | -1.48                                   | 24.00                   | 11.00                      |
| High    | 5320               | 20.67                   | -4.38                                     | -1.48                                   | 24.00                   | 11.00                      |

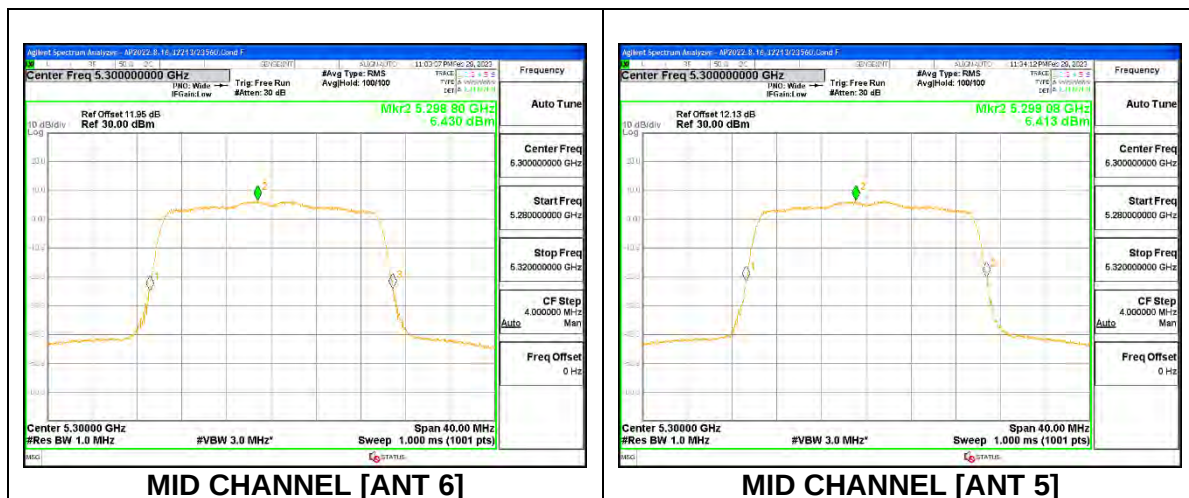
|                    |      |                                        |
|--------------------|------|----------------------------------------|
| Duty Cycle CF (dB) | 0.00 | Included in Calculations of Corr'd PSD |
|--------------------|------|----------------------------------------|

**Output Power Results**

| Channel | Frequency<br>(MHz) | Antenna 6<br>Meas<br>Power<br>(dBm) | Antenna 5<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     | 5260               | 16.23                               | 16.22                               | 19.24                             | 24.00                   | -4.76                   |
| Mid     | 5300               | 16.17                               | 16.25                               | 19.22                             | 24.00                   | -4.78                   |
| High    | 5320               | 16.20                               | 16.19                               | 19.21                             | 24.00                   | -4.79                   |

**PSD Results**

| Channel | Frequency<br>(MHz) | Antenna 6<br>Meas<br>PSD<br>(dBm/1MHz) | Antenna 5<br>Meas<br>PSD<br>(dBm/1MHz) | Total<br>Corr'd<br>PSD<br>(dBm/1MHz) | PSD<br>Limit<br>(dBm/1MHz) | PSD<br>Margin<br>(dB) |
|---------|--------------------|----------------------------------------|----------------------------------------|--------------------------------------|----------------------------|-----------------------|
| Low     | 5260               | 6.487                                  | 6.293                                  | 9.401                                | 11.00                      | -1.599                |
| Mid     | 5300               | 6.430                                  | 6.413                                  | 9.432                                | 11.00                      | -1.568                |
| High    | 5320               | 6.238                                  | 6.274                                  | 9.266                                | 11.00                      | -1.734                |



## 9.4.12. 802.11ax HE40 MODE IN THE 5.3 GHz BAND

**1TX Antenna 6 MODE (FCC): 106-Tone, RU Index 53**

|                |            |
|----------------|------------|
| Test Engineer: | 26118      |
| Test Date:     | 05/04/2023 |

**Bandwidth, Antenna Gain, and Limits**

| Channel | Frequency<br>(MHz) | Min<br>26dB BW<br>(MHz) | Directional<br>Gain<br>(dBi) | Power<br>Limit<br>(dBm) | PSD<br>Limit<br>(dBm/1MHz) |
|---------|--------------------|-------------------------|------------------------------|-------------------------|----------------------------|
| Low     | 5270               | 21.72                   | -3.20                        | 24.00                   | 11.00                      |
| High    | 5310               | 21.50                   | -3.20                        | 24.00                   | 11.00                      |

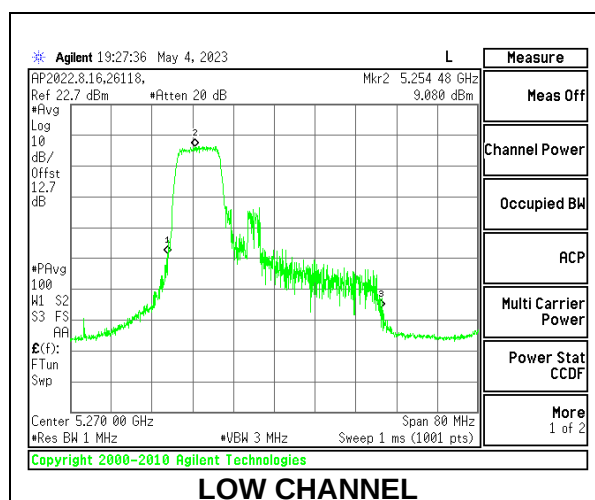
|                    |      |                                        |
|--------------------|------|----------------------------------------|
| Duty Cycle CF (dB) | 0.00 | Included in Calculations of Corr'd PSD |
|--------------------|------|----------------------------------------|

**Output Power Results**

| Channel | Frequency<br>(MHz) | Antenna 6<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     | 5270               | 15.24                               | 15.24                             | 24.00                   | -8.76                   |
| High    | 5310               | 15.21                               | 15.21                             | 24.00                   | -8.79                   |

**PSD Results**

| Channel | Frequency<br>(MHz) | Antenna 6<br>Meas<br>PSD<br>(dBm/1MHz) | Total<br>Corr'd<br>PSD<br>(dBm/1MHz) | PSD<br>Limit<br>(dBm/1MHz) | PSD<br>Margin<br>(dB) |
|---------|--------------------|----------------------------------------|--------------------------------------|----------------------------|-----------------------|
| Low     | 5270               | 9.080                                  | 9.080                                | 11.00                      | -1.920                |
| High    | 5310               | 7.896                                  | 7.896                                | 11.00                      | -3.104                |



**1TX Antenna 6 MODE (FCC): 106-Tone, RU Index 54**

|                |            |
|----------------|------------|
| Test Engineer: | 26118      |
| Test Date:     | 05/04/2023 |

**Bandwidth, Antenna Gain, and Limits**

| Channel | Frequency<br>(MHz) | Min<br>26dB BW<br>(MHz) | Directional<br>Gain<br>(dBi) | Power<br>Limit<br>(dBm) | PSD<br>Limit<br>(dBm/1MHz) |
|---------|--------------------|-------------------------|------------------------------|-------------------------|----------------------------|
| Low     | 5270               | 26.09                   | -3.20                        | 24.00                   | 11.00                      |
| High    | 5310               | 26.77                   | -3.20                        | 24.00                   | 11.00                      |

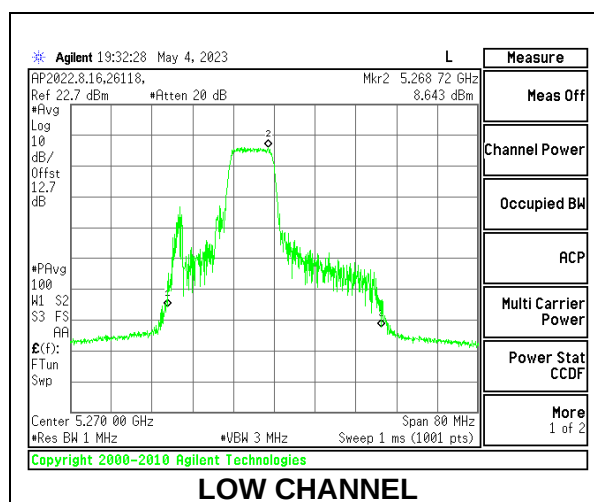
|                    |      |                                        |
|--------------------|------|----------------------------------------|
| Duty Cycle CF (dB) | 0.00 | Included in Calculations of Corr'd PSD |
|--------------------|------|----------------------------------------|

**Output Power Results**

| Channel | Frequency<br>(MHz) | Antenna 6<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     | 5270               | 15.22                               | 15.22                             | 24.00                   | -8.78                   |
| High    | 5310               | 15.19                               | 15.19                             | 24.00                   | -8.81                   |

**PSD Results**

| Channel | Frequency<br>(MHz) | Antenna 6<br>Meas<br>PSD<br>(dBm/1MHz) | Total<br>Corr'd<br>PSD<br>(dBm/1MHz) | PSD<br>Limit<br>(dBm/1MHz) | PSD<br>Margin<br>(dB) |
|---------|--------------------|----------------------------------------|--------------------------------------|----------------------------|-----------------------|
| Low     | 5270               | 8.643                                  | 8.643                                | 11.00                      | -2.357                |
| High    | 5310               | 7.819                                  | 7.819                                | 11.00                      | -3.181                |



**1TX Antenna 6 MODE (FCC): 106-Tone, RU Index 56**

|                |            |
|----------------|------------|
| Test Engineer: | 26118      |
| Test Date:     | 05/04/2023 |

**Bandwidth, Antenna Gain, and Limits**

| Channel | Frequency<br>(MHz) | Min<br>26dB BW<br>(MHz) | Directional<br>Gain<br>(dBi) | Power<br>Limit<br>(dBm) | PSD<br>Limit<br>(dBm/1MHz) |
|---------|--------------------|-------------------------|------------------------------|-------------------------|----------------------------|
| Low     | 5270               | 22.43                   | -3.20                        | 24.00                   | 11.00                      |
| High    | 5310               | 22.94                   | -3.20                        | 24.00                   | 11.00                      |

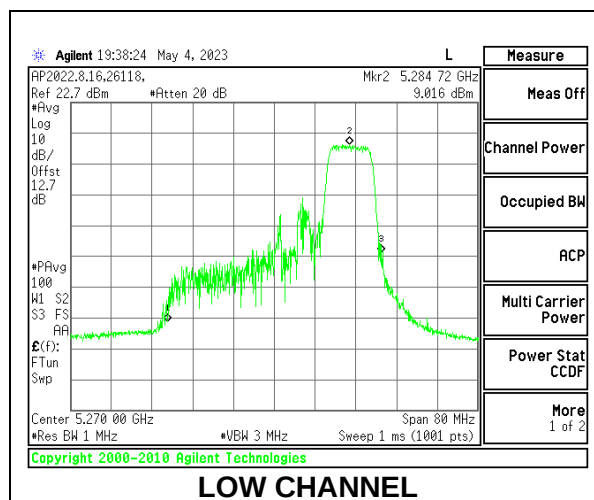
|                    |      |                                        |
|--------------------|------|----------------------------------------|
| Duty Cycle CF (dB) | 0.00 | Included in Calculations of Corr'd PSD |
|--------------------|------|----------------------------------------|

**Output Power Results**

| Channel | Frequency<br>(MHz) | Antenna 6<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     | 5270               | 15.25                               | 15.25                             | 24.00                   | -8.75                   |
| High    | 5310               | 15.24                               | 15.24                             | 24.00                   | -8.76                   |

**PSD Results**

| Channel | Frequency<br>(MHz) | Antenna 6<br>Meas<br>PSD<br>(dBm/1MHz) | Total<br>Corr'd<br>PSD<br>(dBm/1MHz) | PSD<br>Limit<br>(dBm/1MHz) | PSD<br>Margin<br>(dB) |
|---------|--------------------|----------------------------------------|--------------------------------------|----------------------------|-----------------------|
| Low     | 5270               | 9.016                                  | 9.016                                | 11.00                      | -1.984                |
| High    | 5310               | 8.033                                  | 8.033                                | 11.00                      | -2.967                |



**1TX Antenna 6 MODE (FCC): SU, Single User**

|                |            |
|----------------|------------|
| Test Engineer: | 32213      |
| Test Date:     | 02/28/2023 |

**Bandwidth, Antenna Gain, and Limits**

| Channel | Frequency<br>(MHz) | Min<br>26dB BW<br>(MHz) | Directional<br>Gain<br>(dBi) | Power<br>Limit<br>(dBm) | PSD<br>Limit<br>(dBm/1MHz) |
|---------|--------------------|-------------------------|------------------------------|-------------------------|----------------------------|
| Low     | 5270               | 40.12                   | -3.20                        | 24.00                   | 11.00                      |
| High    | 5310               | 41.17                   | -3.20                        | 24.00                   | 11.00                      |

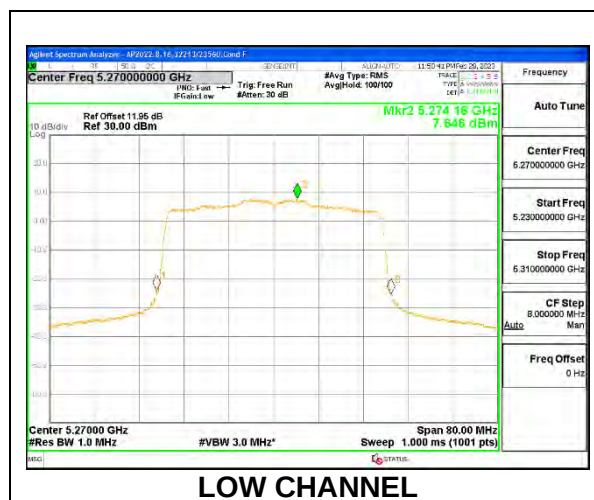
|                    |      |                                        |
|--------------------|------|----------------------------------------|
| Duty Cycle CF (dB) | 0.12 | Included in Calculations of Corr'd PSD |
|--------------------|------|----------------------------------------|

**Output Power Results**

| Channel | Frequency<br>(MHz) | Antenna 6<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     | 5270               | 20.20                               | 20.20                             | 24.00                   | -3.80                   |
| High    | 5310               | 15.69                               | 15.69                             | 24.00                   | -8.31                   |

**PSD Results**

| Channel | Frequency<br>(MHz) | Antenna 6<br>Meas<br>PSD<br>(dBm/1MHz) | Total<br>Corr'd<br>PSD<br>(dBm/1MHz) | PSD<br>Limit<br>(dBm/1MHz) | PSD<br>Margin<br>(dB) |
|---------|--------------------|----------------------------------------|--------------------------------------|----------------------------|-----------------------|
| Low     | 5270               | 7.646                                  | 7.766                                | 11.00                      | -3.234                |
| High    | 5310               | 3.107                                  | 3.227                                | 11.00                      | -7.773                |



**1TX Antenna 5 MODE (FCC): 106-Tone, RU Index 53**

|                |            |
|----------------|------------|
| Test Engineer: | 26118      |
| Test Date:     | 05/04/2023 |

**Bandwidth, Antenna Gain, and Limits**

| Channel | Frequency<br>(MHz) | Min<br>26dB BW<br>(MHz) | Directional<br>Gain<br>(dBi) | Power<br>Limit<br>(dBm) | PSD<br>Limit<br>(dBm/1MHz) |
|---------|--------------------|-------------------------|------------------------------|-------------------------|----------------------------|
| Low     | 5270               | 22.01                   | -6.00                        | 24.00                   | 11.00                      |
| High    | 5310               | 22.03                   | -6.00                        | 24.00                   | 11.00                      |

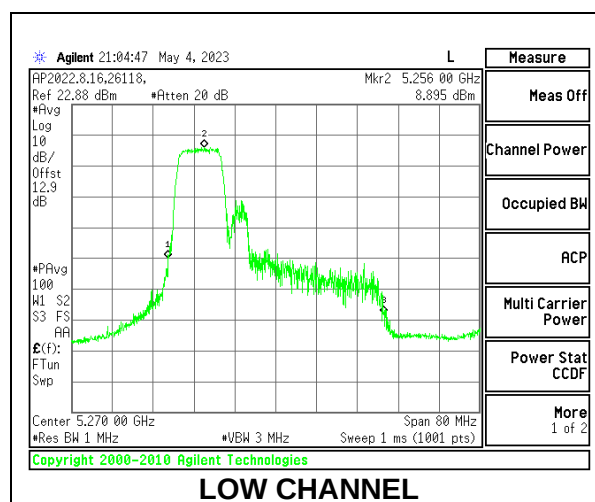
|                    |      |                                        |
|--------------------|------|----------------------------------------|
| Duty Cycle CF (dB) | 0.00 | Included in Calculations of Corr'd PSD |
|--------------------|------|----------------------------------------|

**Output Power Results**

| Channel | Frequency<br>(MHz) | Antenna 5<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     | 5270               | 15.21                               | 15.21                             | 24.00                   | -8.79                   |
| High    | 5310               | 15.24                               | 15.24                             | 24.00                   | -8.76                   |

**PSD Results**

| Channel | Frequency<br>(MHz) | Antenna 5<br>Meas<br>PSD<br>(dBm/1MHz) | Total<br>Corr'd<br>PSD<br>(dBm/1MHz) | PSD<br>Limit<br>(dBm/1MHz) | PSD<br>Margin<br>(dB) |
|---------|--------------------|----------------------------------------|--------------------------------------|----------------------------|-----------------------|
| Low     | 5270               | 8.895                                  | 8.895                                | 11.00                      | -2.105                |
| High    | 5310               | 8.049                                  | 8.049                                | 11.00                      | -2.951                |



**1TX Antenna 5 MODE (FCC): 106-Tone, RU Index 54**

|                |            |
|----------------|------------|
| Test Engineer: | 26118      |
| Test Date:     | 05/04/2023 |

**Bandwidth, Antenna Gain, and Limits**

| Channel | Frequency<br>(MHz) | Min<br>26dB BW<br>(MHz) | Directional<br>Gain<br>(dBi) | Power<br>Limit<br>(dBm) | PSD<br>Limit<br>(dBm/1MHz) |
|---------|--------------------|-------------------------|------------------------------|-------------------------|----------------------------|
| Low     | 5270               | 27.41                   | -6.00                        | 24.00                   | 11.00                      |
| High    | 5310               | 27.32                   | -6.00                        | 24.00                   | 11.00                      |

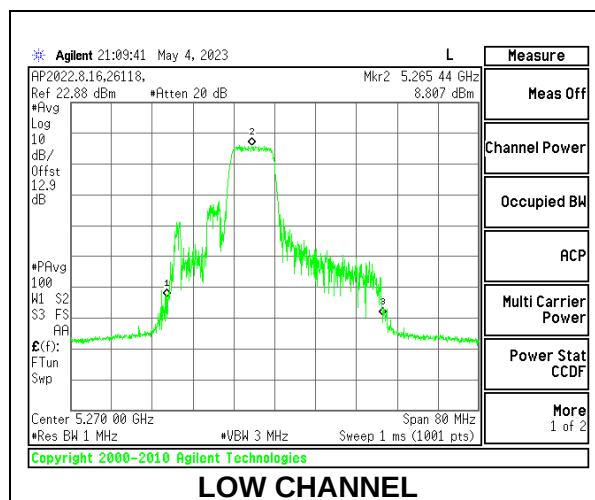
|                    |      |                                        |
|--------------------|------|----------------------------------------|
| Duty Cycle CF (dB) | 0.00 | Included in Calculations of Corr'd PSD |
|--------------------|------|----------------------------------------|

**Output Power Results**

| Channel | Frequency<br>(MHz) | Antenna 5<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     | 5270               | 15.21                               | 15.21                             | 24.00                   | -8.79                   |
| High    | 5310               | 15.20                               | 15.20                             | 24.00                   | -8.80                   |

**PSD Results**

| Channel | Frequency<br>(MHz) | Antenna 5<br>Meas<br>PSD<br>(dBm/1MHz) | Total<br>Corr'd<br>PSD<br>(dBm/1MHz) | PSD<br>Limit<br>(dBm/1MHz) | PSD<br>Margin<br>(dB) |
|---------|--------------------|----------------------------------------|--------------------------------------|----------------------------|-----------------------|
| Low     | 5270               | 8.807                                  | 8.807                                | 11.00                      | -2.193                |
| High    | 5310               | 7.973                                  | 7.973                                | 11.00                      | -3.027                |



**1TX Antenna 5 MODE (FCC): 106-Tone, RU Index 56**

|                |            |
|----------------|------------|
| Test Engineer: | 26118      |
| Test Date:     | 05/04/2023 |

**Bandwidth, Antenna Gain, and Limits**

| Channel | Frequency<br>(MHz) | Min<br>26dB BW<br>(MHz) | Directional<br>Gain<br>(dBi) | Power<br>Limit<br>(dBm) | PSD<br>Limit<br>(dBm/1MHz) |
|---------|--------------------|-------------------------|------------------------------|-------------------------|----------------------------|
| Low     | 5270               | 22.02                   | -6.00                        | 24.00                   | 11.00                      |
| High    | 5310               | 22.49                   | -6.00                        | 24.00                   | 11.00                      |

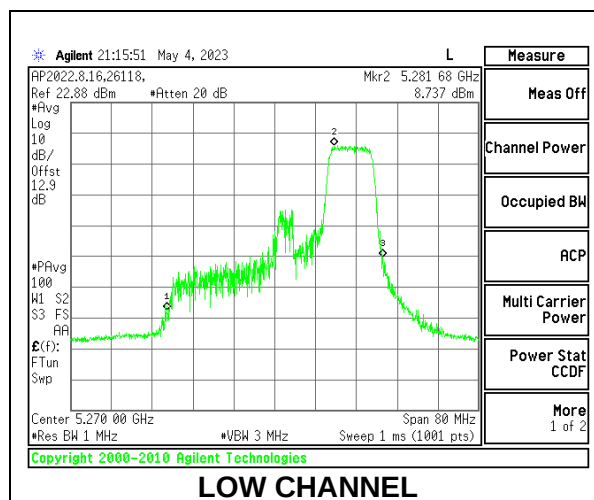
|                    |      |                                        |
|--------------------|------|----------------------------------------|
| Duty Cycle CF (dB) | 0.00 | Included in Calculations of Corr'd PSD |
|--------------------|------|----------------------------------------|

**Output Power Results**

| Channel | Frequency<br>(MHz) | Antenna 5<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     | 5270               | 15.19                               | 15.19                             | 24.00                   | -8.81                   |
| High    | 5310               | 15.23                               | 15.23                             | 24.00                   | -8.77                   |

**PSD Results**

| Channel | Frequency<br>(MHz) | Antenna 5<br>Meas<br>PSD<br>(dBm/1MHz) | Total<br>Corr'd<br>PSD<br>(dBm/1MHz) | PSD<br>Limit<br>(dBm/1MHz) | PSD<br>Margin<br>(dB) |
|---------|--------------------|----------------------------------------|--------------------------------------|----------------------------|-----------------------|
| Low     | 5270               | 8.737                                  | 8.737                                | 11.00                      | -2.263                |
| High    | 5310               | 7.964                                  | 7.964                                | 11.00                      | -3.036                |



**1TX Antenna 5 MODE (FCC): SU, Single User**

|                |            |
|----------------|------------|
| Test Engineer: | 32213      |
| Test Date:     | 02/28/2023 |

**Bandwidth, Antenna Gain, and Limits**

| Channel | Frequency<br>(MHz) | Min<br>26dB BW<br>(MHz) | Directional<br>Gain<br>(dBi) | Power<br>Limit<br>(dBm) | PSD<br>Limit<br>(dBm/1MHz) |
|---------|--------------------|-------------------------|------------------------------|-------------------------|----------------------------|
| Low     | 5270               | 40.38                   | -6.00                        | 24.00                   | 11.00                      |
| High    | 5310               | 39.74                   | -6.00                        | 24.00                   | 11.00                      |

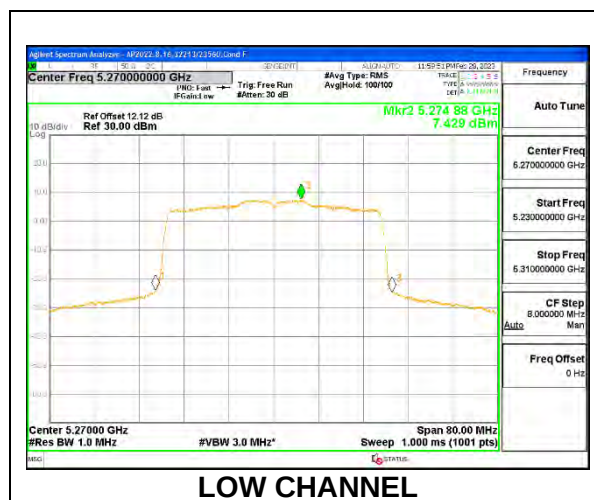
|                    |      |                                        |
|--------------------|------|----------------------------------------|
| Duty Cycle CF (dB) | 0.12 | Included in Calculations of Corr'd PSD |
|--------------------|------|----------------------------------------|

**Output Power Results**

| Channel | Frequency<br>(MHz) | Antenna 5<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     | 5270               | 20.18                               | 20.18                             | 24.00                   | -3.82                   |
| High    | 5310               | 15.70                               | 15.70                             | 24.00                   | -8.30                   |

**PSD Results**

| Channel | Frequency<br>(MHz) | Antenna 5<br>Meas<br>PSD<br>(dBm/1MHz) | Total<br>Corr'd<br>PSD<br>(dBm/1MHz) | PSD<br>Limit<br>(dBm/1MHz) | PSD<br>Margin<br>(dB) |
|---------|--------------------|----------------------------------------|--------------------------------------|----------------------------|-----------------------|
| Low     | 5270               | 7.429                                  | 7.549                                | 11.00                      | -3.451                |
| High    | 5310               | 2.991                                  | 3.111                                | 11.00                      | -7.889                |



**2TX Antenna 6 + Antenna 5 OFDMA MODE (FCC): 106-Tone, RU Index 53**

|                |            |
|----------------|------------|
| Test Engineer: | 26118      |
| Test Date:     | 05/04/2023 |

**Bandwidth, Antenna Gain, and Limits**

| Channel | Frequency<br>(MHz) | Min<br>26dB BW<br>(MHz) | Directional<br>Gain<br>for Power<br>(dBi) | Directional<br>Gain<br>for PSD<br>(dBi) | Power<br>Limit<br>(dBm) | PSD<br>Limit<br>(dBm/1MHz) |
|---------|--------------------|-------------------------|-------------------------------------------|-----------------------------------------|-------------------------|----------------------------|
| Low     | 5270               | 20.041                  | -4.38                                     | -1.48                                   | 24.00                   | 11.00                      |
| High    | 5310               | 20.378                  | -4.38                                     | -1.48                                   | 24.00                   | 11.00                      |

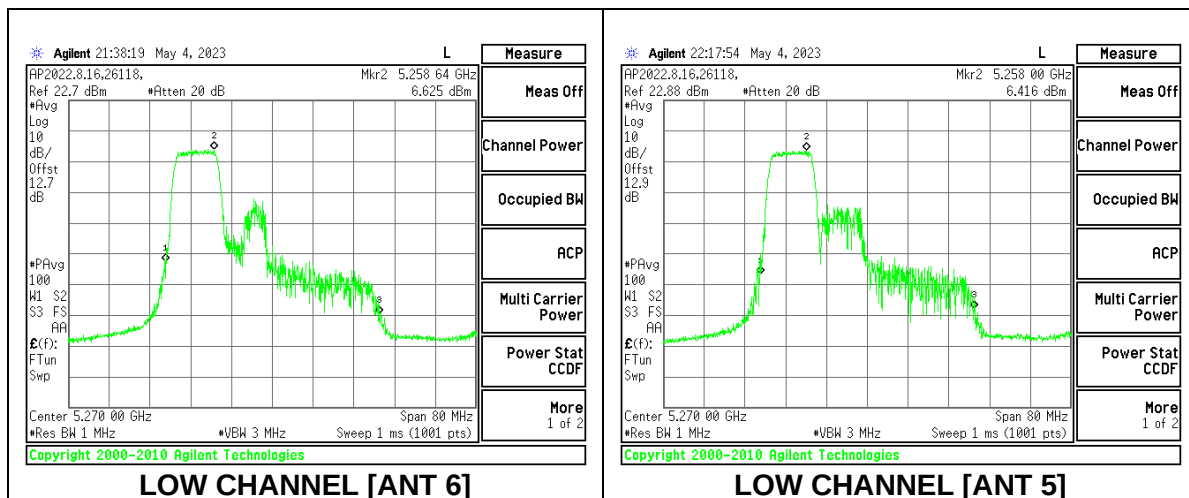
|                    |      |                                        |
|--------------------|------|----------------------------------------|
| Duty Cycle CF (dB) | 0.00 | Included in Calculations of Corr'd PSD |
|--------------------|------|----------------------------------------|

**Output Power Results**

| Channel | Frequency<br>(MHz) | Antenna 6<br>Meas<br>Power<br>(dBm) | Antenna 5<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     | 5270               | 14.20                               | 14.17                               | 17.20                             | 24.00                   | -6.80                   |
| High    | 5310               | 14.19                               | 14.25                               | 17.23                             | 24.00                   | -6.77                   |

**PSD Results**

| Channel | Frequency<br>(MHz) | Antenna 6<br>Meas<br>PSD<br>(dBm/1MHz) | Antenna 5<br>Meas<br>PSD<br>(dBm/1MHz) | Total<br>Corr'd<br>PSD<br>(dBm/1MHz) | PSD<br>Limit<br>(dBm/1MHz) | PSD<br>Margin<br>(dB) |
|---------|--------------------|----------------------------------------|----------------------------------------|--------------------------------------|----------------------------|-----------------------|
| Low     | 5270               | 6.625                                  | 6.416                                  | 9.532                                | 11.00                      | -1.468                |
| High    | 5310               | 6.605                                  | 6.919                                  | 9.775                                | 11.00                      | -1.225                |



**2TX Antenna 6 + Antenna 5 OFDMA MODE (FCC): 106-Tone, RU Index 54**

|                |            |
|----------------|------------|
| Test Engineer: | 26118      |
| Test Date:     | 05/04/2023 |

**Bandwidth, Antenna Gain, and Limits**

| Channel | Frequency<br>(MHz) | Min<br>26dB BW<br>(MHz) | Directional<br>Gain<br>for Power<br>(dBi) | Directional<br>Gain<br>for PSD<br>(dBi) | Power<br>Limit<br>(dBm) | PSD<br>Limit<br>(dBm/1MHz) |
|---------|--------------------|-------------------------|-------------------------------------------|-----------------------------------------|-------------------------|----------------------------|
| Low     | 5270               | 26.220                  | -4.38                                     | -1.48                                   | 24.00                   | 11.00                      |
| High    | 5310               | 26.438                  | -4.38                                     | -1.48                                   | 24.00                   | 11.00                      |

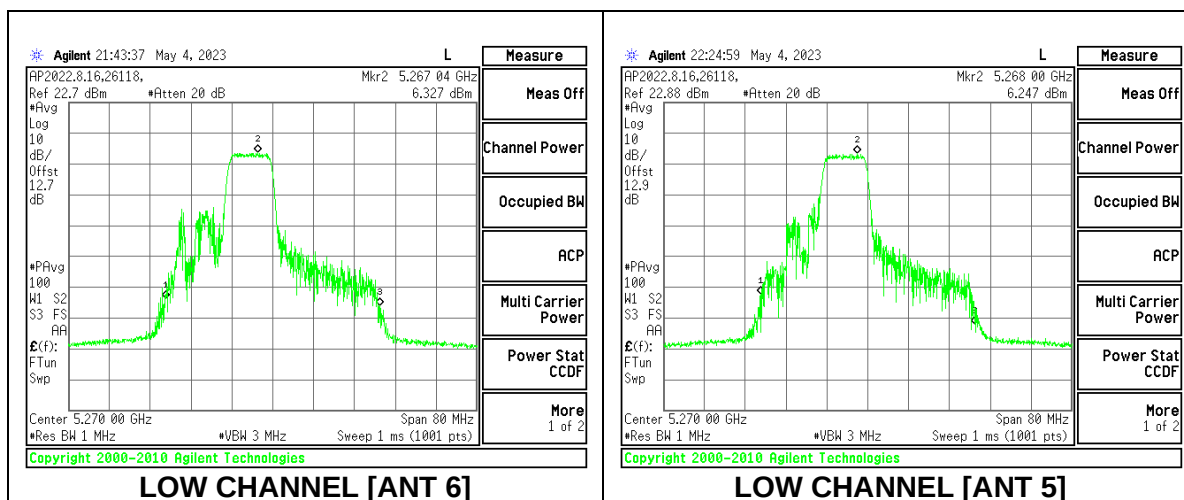
|                    |      |                                        |
|--------------------|------|----------------------------------------|
| Duty Cycle CF (dB) | 0.00 | Included in Calculations of Corr'd PSD |
|--------------------|------|----------------------------------------|

**Output Power Results**

| Channel | Frequency<br>(MHz) | Antenna 6<br>Meas<br>Power<br>(dBm) | Antenna 5<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     | 5270               | 14.21                               | 14.19                               | 17.21                             | 24.00                   | -6.79                   |
| High    | 5310               | 14.24                               | 14.23                               | 17.25                             | 24.00                   | -6.75                   |

**PSD Results**

| Channel | Frequency<br>(MHz) | Antenna 6<br>Meas<br>PSD<br>(dBm/1MHz) | Antenna 5<br>Meas<br>PSD<br>(dBm/1MHz) | Total<br>Corr'd<br>PSD<br>(dBm/1MHz) | PSD<br>Limit<br>(dBm/1MHz) | PSD<br>Margin<br>(dB) |
|---------|--------------------|----------------------------------------|----------------------------------------|--------------------------------------|----------------------------|-----------------------|
| Low     | 5270               | 6.327                                  | 6.247                                  | 9.297                                | 11.00                      | -1.703                |
| High    | 5310               | 6.430                                  | 6.405                                  | 9.428                                | 11.00                      | -1.572                |



**2TX Antenna 6 + Antenna 5 OFDMA MODE (FCC): 106-Tone, RU Index 56**

|                |            |
|----------------|------------|
| Test Engineer: | 26118      |
| Test Date:     | 05/04/2023 |

**Bandwidth, Antenna Gain, and Limits**

| Channel | Frequency<br>(MHz) | Min<br>26dB BW<br>(MHz) | Directional<br>Gain<br>for Power<br>(dBi) | Directional<br>Gain<br>for PSD<br>(dBi) | Power<br>Limit<br>(dBm) | PSD<br>Limit<br>(dBm/1MHz) |
|---------|--------------------|-------------------------|-------------------------------------------|-----------------------------------------|-------------------------|----------------------------|
| Low     | 5270               | 20.424                  | -4.38                                     | -1.48                                   | 24.00                   | 11.00                      |
| High    | 5310               | 21.211                  | -4.38                                     | -1.48                                   | 24.00                   | 11.00                      |

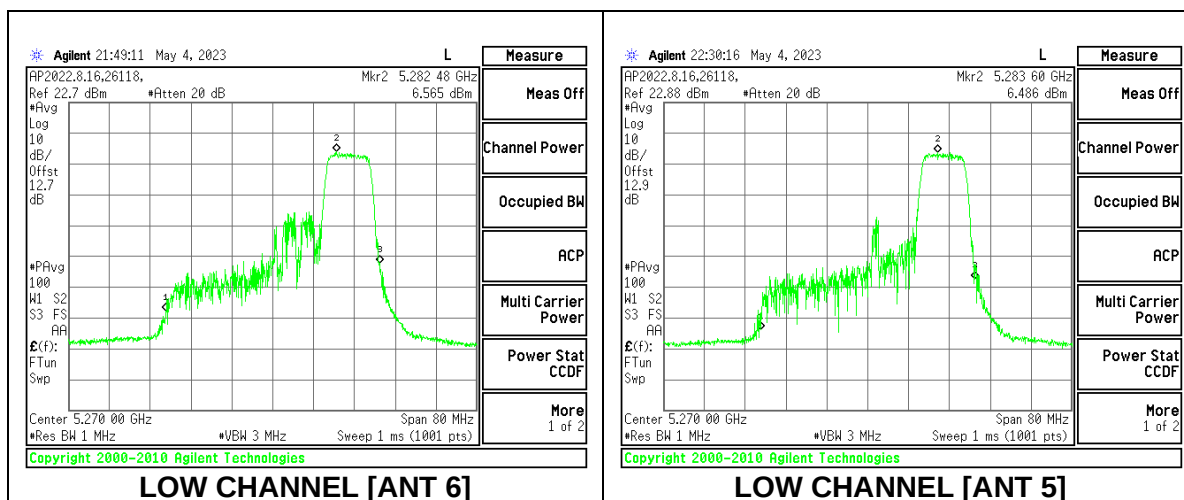
|                    |      |                                        |
|--------------------|------|----------------------------------------|
| Duty Cycle CF (dB) | 0.00 | Included in Calculations of Corr'd PSD |
|--------------------|------|----------------------------------------|

**Output Power Results**

| Channel | Frequency<br>(MHz) | Antenna 6<br>Meas<br>Power<br>(dBm) | Antenna 5<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     | 5270               | 14.23                               | 14.21                               | 17.23                             | 24.00                   | -6.77                   |
| High    | 5310               | 14.19                               | 14.20                               | 17.21                             | 24.00                   | -6.79                   |

**PSD Results**

| Channel | Frequency<br>(MHz) | Antenna 6<br>Meas<br>PSD<br>(dBm/1MHz) | Antenna 5<br>Meas<br>PSD<br>(dBm/1MHz) | Total<br>Corr'd<br>PSD<br>(dBm/1MHz) | PSD<br>Limit<br>(dBm/1MHz) | PSD<br>Margin<br>(dB) |
|---------|--------------------|----------------------------------------|----------------------------------------|--------------------------------------|----------------------------|-----------------------|
| Low     | 5270               | 6.565                                  | 6.486                                  | 9.536                                | 11.00                      | -1.464                |
| High    | 5310               | 6.291                                  | 6.420                                  | 9.366                                | 11.00                      | -1.634                |



**2TX Antenna 6 + Antenna 5 OFDMA MODE (FCC): SU, Single User**

|                |            |
|----------------|------------|
| Test Engineer: | 27979      |
| Test Date:     | 03/01/2023 |

**Bandwidth, Antenna Gain, and Limits**

| Channel | Frequency<br>(MHz) | Min<br>26dB BW<br>(MHz) | Directional<br>Gain<br>for Power<br>(dBi) | Directional<br>Gain<br>for PSD<br>(dBi) | Power<br>Limit<br>(dBm) | PSD<br>Limit<br>(dBm/1MHz) |
|---------|--------------------|-------------------------|-------------------------------------------|-----------------------------------------|-------------------------|----------------------------|
| Low     | 5270               | 39.860                  | -4.38                                     | -1.48                                   | 24.00                   | 11.00                      |
| High    | 5310               | 40.130                  | -4.38                                     | -1.48                                   | 24.00                   | 11.00                      |

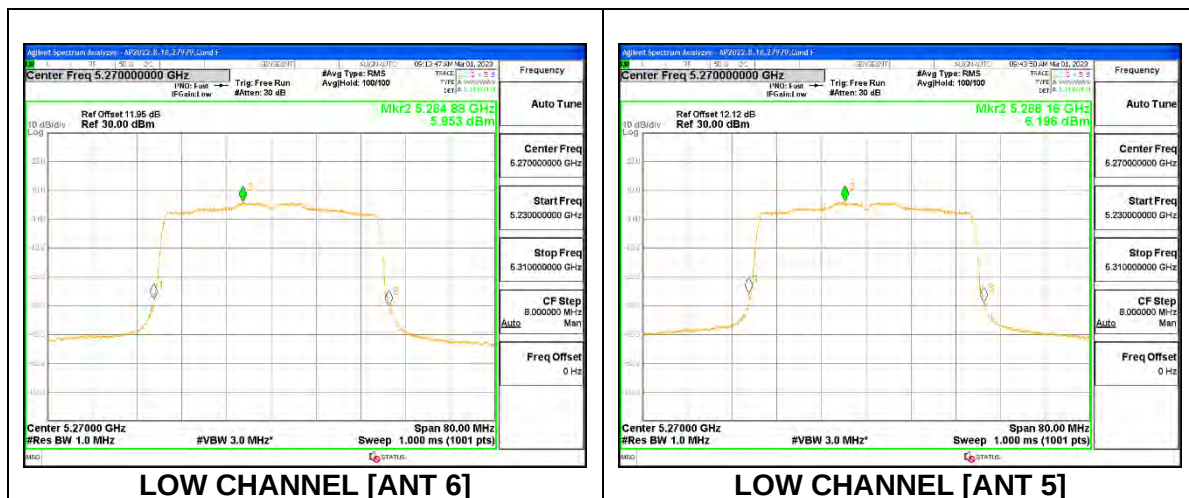
|                    |      |                                        |
|--------------------|------|----------------------------------------|
| Duty Cycle CF (dB) | 0.12 | Included in Calculations of Corr'd PSD |
|--------------------|------|----------------------------------------|

**Output Power Results**

| Channel | Frequency<br>(MHz) | Antenna 6<br>Meas<br>Power<br>(dBm) | Antenna 5<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     | 5270               | 18.69                               | 18.73                               | 21.72                             | 24.00                   | -2.28                   |
| High    | 5310               | 15.23                               | 15.22                               | 18.24                             | 24.00                   | -5.76                   |

**PSD Results**

| Channel | Frequency<br>(MHz) | Antenna 6<br>Meas<br>PSD<br>(dBm/1MHz) | Antenna 5<br>Meas<br>PSD<br>(dBm/1MHz) | Total<br>Corr'd<br>PSD<br>(dBm/1MHz) | PSD<br>Limit<br>(dBm/1MHz) | PSD<br>Margin<br>(dB) |
|---------|--------------------|----------------------------------------|----------------------------------------|--------------------------------------|----------------------------|-----------------------|
| Low     | 5270               | 5.953                                  | 6.196                                  | 9.206                                | 11.00                      | -1.794                |
| High    | 5310               | 2.448                                  | 2.258                                  | 5.484                                | 11.00                      | -5.516                |



## 9.4.13. 802.11ax HE80 MODE IN THE 5.3 GHz BAND

**1TX Antenna 6 MODE (FCC): 106-Tone, RU Index 53**

|                |            |
|----------------|------------|
| Test Engineer: | 26118      |
| Test Date:     | 05/04/2023 |

**Bandwidth, Antenna Gain, and Limits**

| Channel | Frequency<br>(MHz) | Min<br>26dB BW<br>(MHz) | Directional<br>Gain<br>(dBi) | Power<br>Limit<br>(dBm) | PSD<br>Limit<br>(dBm/1MHz) |
|---------|--------------------|-------------------------|------------------------------|-------------------------|----------------------------|
| Mid     | 5290               | 20.14                   | -3.20                        | 24.00                   | 11.00                      |

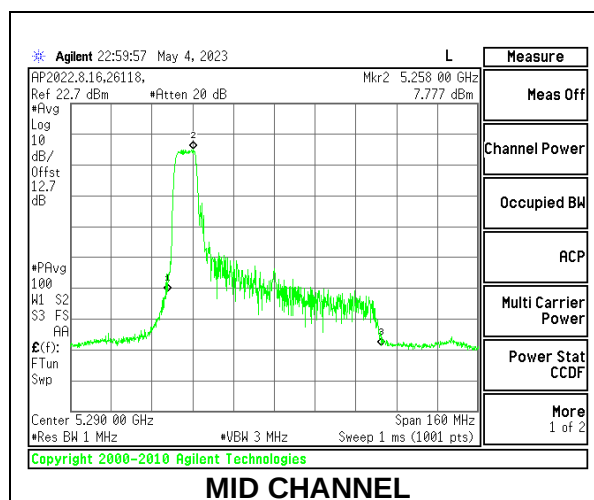
|                    |      |                                        |
|--------------------|------|----------------------------------------|
| Duty Cycle CF (dB) | 0.00 | Included in Calculations of Corr'd PSD |
|--------------------|------|----------------------------------------|

**Output Power Results**

| Channel | Frequency<br>(MHz) | Antenna 6<br>Meas<br>Power<br>(dBm) | Total<br>Corr'd<br>Power<br>(dBm) | Power<br>Limit<br>(dBm) | Power<br>Margin<br>(dB) |
|---------|--------------------|-------------------------------------|-----------------------------------|-------------------------|-------------------------|
| Mid     | 5290               | 12.22                               | 12.22                             | 24.00                   | -11.78                  |

**PSD Results**

| Channel | Frequency<br>(MHz) | Antenna 6<br>Meas<br>PSD<br>(dBm/1MHz) | Total<br>Corr'd<br>PSD<br>(dBm/1MHz) | PSD<br>Limit<br>(dBm/1MHz) | PSD<br>Margin<br>(dB) |
|---------|--------------------|----------------------------------------|--------------------------------------|----------------------------|-----------------------|
| Mid     | 5290               | 7.777                                  | 7.78                                 | 11.00                      | -3.22                 |



**1TX Antenna 6 MODE (FCC): 106-Tone, RU Index 56**

|                |            |
|----------------|------------|
| Test Engineer: | 26118      |
| Test Date:     | 05/04/2023 |

**Bandwidth, Antenna Gain, and Limits**

| Channel | Frequency<br>(MHz) | Min<br>26dB BW<br>(MHz) | Directional<br>Gain<br>(dBi) | Power<br>Limit<br>(dBm) | PSD<br>Limit<br>(dBm/1MHz) |
|---------|--------------------|-------------------------|------------------------------|-------------------------|----------------------------|
| Mid     | 5290               | 23.66                   | -3.20                        | 24.00                   | 11.00                      |

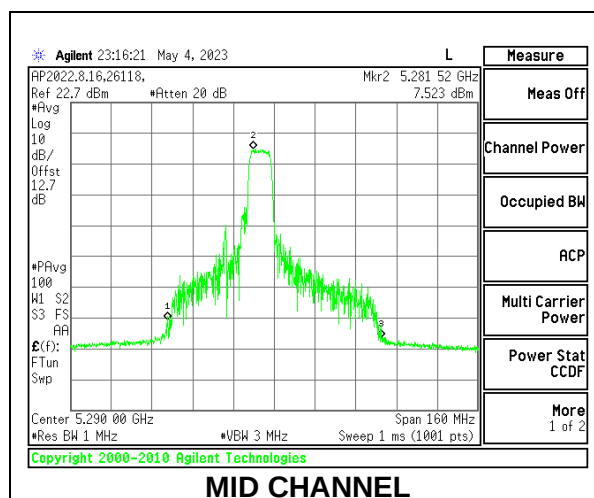
|                    |      |                                        |
|--------------------|------|----------------------------------------|
| Duty Cycle CF (dB) | 0.00 | Included in Calculations of Corr'd PSD |
|--------------------|------|----------------------------------------|

**Output Power Results**

| Channel | Frequency<br>(MHz) | Antenna 6<br>Meas<br>Power<br>(dBm) | Total<br>Corr'd<br>Power<br>(dBm) | Power<br>Limit<br>(dBm) | Power<br>Margin<br>(dB) |
|---------|--------------------|-------------------------------------|-----------------------------------|-------------------------|-------------------------|
| Mid     | 5290               | 12.19                               | 12.19                             | 24.00                   | -11.81                  |

**PSD Results**

| Channel | Frequency<br>(MHz) | Antenna 6<br>Meas<br>PSD<br>(dBm/1MHz) | Total<br>Corr'd<br>PSD<br>(dBm/1MHz) | PSD<br>Limit<br>(dBm/1MHz) | PSD<br>Margin<br>(dB) |
|---------|--------------------|----------------------------------------|--------------------------------------|----------------------------|-----------------------|
| Mid     | 5290               | 7.523                                  | 7.52                                 | 11.00                      | -3.48                 |



**1TX Antenna 6 MODE (FCC): 106-Tone, RU Index 60**

|                |            |
|----------------|------------|
| Test Engineer: | 26118      |
| Test Date:     | 05/04/2023 |

**Bandwidth, Antenna Gain, and Limits**

| Channel | Frequency<br>(MHz) | Min<br>26dB BW<br>(MHz) | Directional<br>Gain<br>(dBi) | Power<br>Limit<br>(dBm) | PSD<br>Limit<br>(dBm/1MHz) |
|---------|--------------------|-------------------------|------------------------------|-------------------------|----------------------------|
| Mid     | 5290               | 21.74                   | -3.20                        | 24.00                   | 11.00                      |

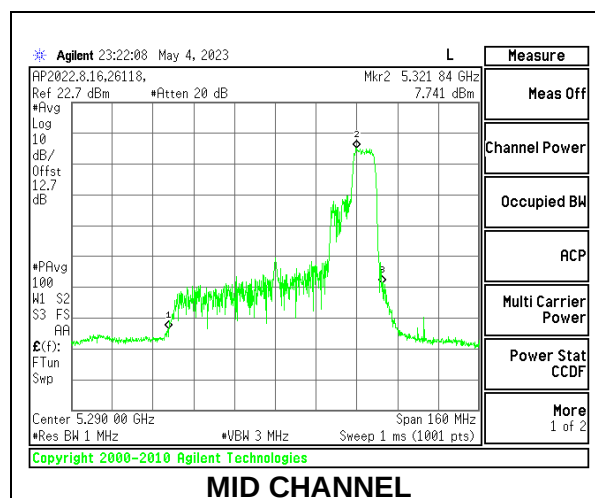
|                    |      |                                        |
|--------------------|------|----------------------------------------|
| Duty Cycle CF (dB) | 0.00 | Included in Calculations of Corr'd PSD |
|--------------------|------|----------------------------------------|

**Output Power Results**

| Channel | Frequency<br>(MHz) | Antenna 6<br>Meas<br>Power<br>(dBm) | Total<br>Corr'd<br>Power<br>(dBm) | Power<br>Limit<br>(dBm) | Power<br>Margin<br>(dB) |
|---------|--------------------|-------------------------------------|-----------------------------------|-------------------------|-------------------------|
| Mid     | 5290               | 12.23                               | 12.23                             | 24.00                   | -11.77                  |

**PSD Results**

| Channel | Frequency<br>(MHz) | Antenna 6<br>Meas<br>PSD<br>(dBm/1MHz) | Total<br>Corr'd<br>PSD<br>(dBm/1MHz) | PSD<br>Limit<br>(dBm/1MHz) | PSD<br>Margin<br>(dB) |
|---------|--------------------|----------------------------------------|--------------------------------------|----------------------------|-----------------------|
| Mid     | 5290               | 7.741                                  | 7.74                                 | 11.00                      | -3.26                 |



**1TX Antenna 6 MODE (FCC): SU, Single User**

|                |            |
|----------------|------------|
| Test Engineer: | 27979      |
| Test Date:     | 03/01/2023 |

**Bandwidth, Antenna Gain, and Limits**

| Channel | Frequency<br>(MHz) | Min<br>26dB BW<br>(MHz) | Directional<br>Gain<br>(dBi) | Power<br>Limit<br>(dBm) | PSD<br>Limit<br>(dBm/1MHz) |
|---------|--------------------|-------------------------|------------------------------|-------------------------|----------------------------|
| Mid     | 5290               | 80.12                   | -3.20                        | 24.00                   | 11.00                      |

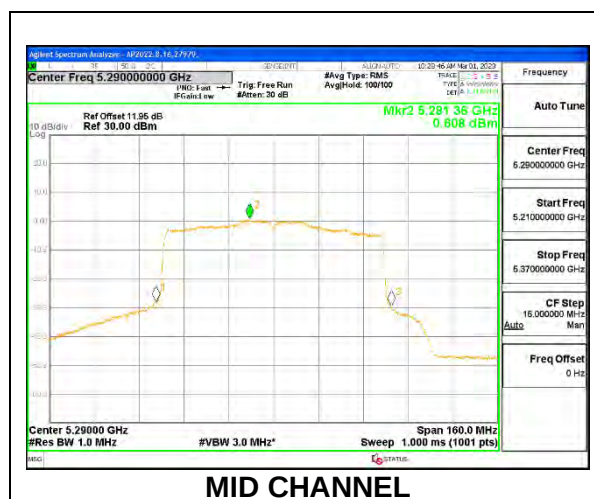
|                    |      |                                        |
|--------------------|------|----------------------------------------|
| Duty Cycle CF (dB) | 0.21 | Included in Calculations of Corr'd PSD |
|--------------------|------|----------------------------------------|

**Output Power Results**

| Channel | Frequency<br>(MHz) | Antenna 6<br>Meas<br>Power<br>(dBm) | Total<br>Corr'd<br>Power<br>(dBm) | Power<br>Limit<br>(dBm) | Power<br>Margin<br>(dB) |
|---------|--------------------|-------------------------------------|-----------------------------------|-------------------------|-------------------------|
| Mid     | 5290               | 16.20                               | 16.20                             | 24.00                   | -7.80                   |

**PSD Results**

| Channel | Frequency<br>(MHz) | Antenna 6<br>Meas<br>PSD<br>(dBm/1MHz) | Total<br>Corr'd<br>PSD<br>(dBm/1MHz) | PSD<br>Limit<br>(dBm/1MHz) | PSD<br>Margin<br>(dB) |
|---------|--------------------|----------------------------------------|--------------------------------------|----------------------------|-----------------------|
| Mid     | 5290               | 0.608                                  | 0.818                                | 11.00                      | -10.18                |



**1TX Antenna 5 MODE (FCC): 106-Tone, RU Index 53**

|                |            |
|----------------|------------|
| Test Engineer: | 26118      |
| Test Date:     | 05/04/2023 |

**Bandwidth, Antenna Gain, and Limits**

| Channel | Frequency<br>(MHz) | Min<br>26dB BW<br>(MHz) | Directional<br>Gain<br>(dBi) | Power<br>Limit<br>(dBm) | PSD<br>Limit<br>(dBm/1MHz) |
|---------|--------------------|-------------------------|------------------------------|-------------------------|----------------------------|
| Mid     | 5290               | 20.54                   | -6.00                        | 24.00                   | 11.00                      |

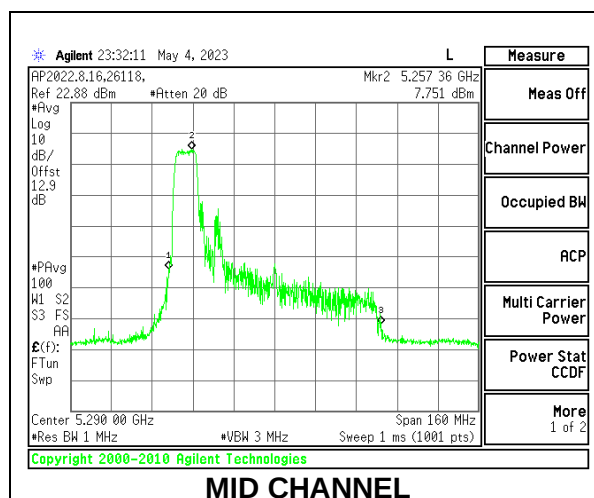
|                    |      |                                        |
|--------------------|------|----------------------------------------|
| Duty Cycle CF (dB) | 0.00 | Included in Calculations of Corr'd PSD |
|--------------------|------|----------------------------------------|

**Output Power Results**

| Channel | Frequency<br>(MHz) | Antenna 5<br>Meas<br>Power<br>(dBm) | Total<br>Corr'd<br>Power<br>(dBm) | Power<br>Limit<br>(dBm) | Power<br>Margin<br>(dB) |
|---------|--------------------|-------------------------------------|-----------------------------------|-------------------------|-------------------------|
| Mid     | 5290               | 12.22                               | 12.22                             | 24.00                   | -11.78                  |

**PSD Results**

| Channel | Frequency<br>(MHz) | Antenna 5<br>Meas<br>PSD<br>(dBm/1MHz) | Total<br>Corr'd<br>PSD<br>(dBm/1MHz) | PSD<br>Limit<br>(dBm/1MHz) | PSD<br>Margin<br>(dB) |
|---------|--------------------|----------------------------------------|--------------------------------------|----------------------------|-----------------------|
| Mid     | 5290               | 7.751                                  | 7.75                                 | 11.00                      | -3.25                 |



**1TX Antenna 5 MODE (FCC): 106-Tone, RU Index 56**

|                |            |
|----------------|------------|
| Test Engineer: | 26118      |
| Test Date:     | 05/04/2023 |

**Bandwidth, Antenna Gain, and Limits**

| Channel | Frequency<br>(MHz) | Min<br>26dB BW<br>(MHz) | Directional<br>Gain<br>(dBi) | Power<br>Limit<br>(dBm) | PSD<br>Limit<br>(dBm/1MHz) |
|---------|--------------------|-------------------------|------------------------------|-------------------------|----------------------------|
| Mid     | 5290               | 24.92                   | -6.00                        | 24.00                   | 11.00                      |

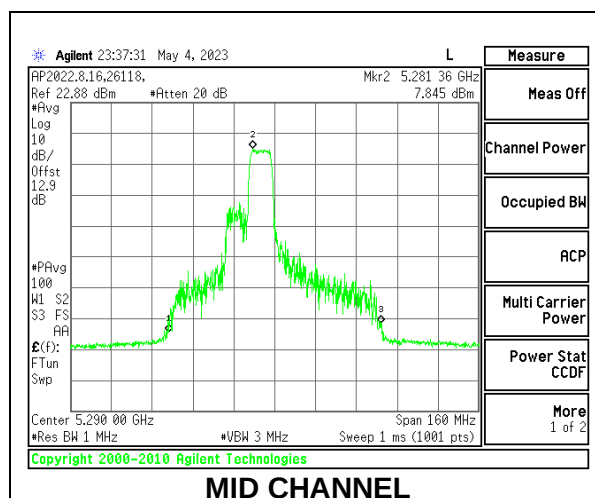
|                    |      |                                        |
|--------------------|------|----------------------------------------|
| Duty Cycle CF (dB) | 0.00 | Included in Calculations of Corr'd PSD |
|--------------------|------|----------------------------------------|

**Output Power Results**

| Channel | Frequency<br>(MHz) | Antenna 5<br>Meas<br>Power<br>(dBm) | Total<br>Corr'd<br>Power<br>(dBm) | Power<br>Limit<br>(dBm) | Power<br>Margin<br>(dB) |
|---------|--------------------|-------------------------------------|-----------------------------------|-------------------------|-------------------------|
| Mid     | 5290               | 12.24                               | 12.24                             | 24.00                   | -11.76                  |

**PSD Results**

| Channel | Frequency<br>(MHz) | Antenna 5<br>Meas<br>PSD<br>(dBm/1MHz) | Total<br>Corr'd<br>PSD<br>(dBm/1MHz) | PSD<br>Limit<br>(dBm/1MHz) | PSD<br>Margin<br>(dB) |
|---------|--------------------|----------------------------------------|--------------------------------------|----------------------------|-----------------------|
| Mid     | 5290               | 7.845                                  | 7.85                                 | 11.00                      | -3.16                 |



**1TX Antenna 5 MODE (FCC): 106-Tone, RU Index 60**

|                |            |
|----------------|------------|
| Test Engineer: | 26118      |
| Test Date:     | 05/04/2023 |

**Bandwidth, Antenna Gain, and Limits**

| Channel | Frequency<br>(MHz) | Min<br>26dB BW<br>(MHz) | Directional<br>Gain<br>(dBi) | Power<br>Limit<br>(dBm) | PSD<br>Limit<br>(dBm/1MHz) |
|---------|--------------------|-------------------------|------------------------------|-------------------------|----------------------------|
| Mid     | 5290               | 21.73                   | -6.00                        | 24.00                   | 11.00                      |

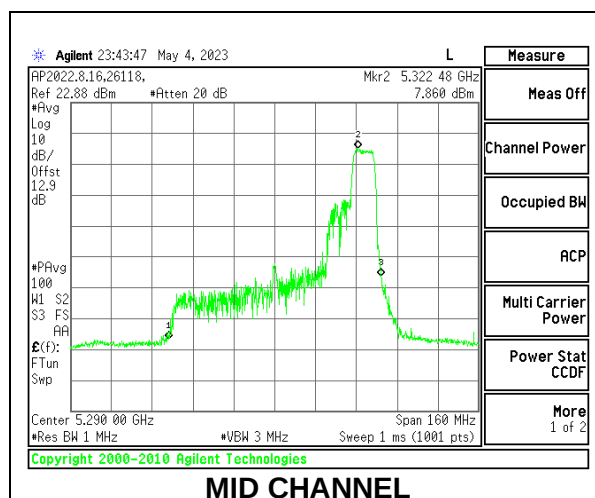
|                    |      |                                        |
|--------------------|------|----------------------------------------|
| Duty Cycle CF (dB) | 0.00 | Included in Calculations of Corr'd PSD |
|--------------------|------|----------------------------------------|

**Output Power Results**

| Channel | Frequency<br>(MHz) | Antenna 5<br>Meas<br>Power<br>(dBm) | Total<br>Corr'd<br>Power<br>(dBm) | Power<br>Limit<br>(dBm) | Power<br>Margin<br>(dB) |
|---------|--------------------|-------------------------------------|-----------------------------------|-------------------------|-------------------------|
| Mid     | 5290               | 12.25                               | 12.25                             | 24.00                   | -11.75                  |

**PSD Results**

| Channel | Frequency<br>(MHz) | Antenna 5<br>Meas<br>PSD<br>(dBm/1MHz) | Total<br>Corr'd<br>PSD<br>(dBm/1MHz) | PSD<br>Limit<br>(dBm/1MHz) | PSD<br>Margin<br>(dB) |
|---------|--------------------|----------------------------------------|--------------------------------------|----------------------------|-----------------------|
| Mid     | 5290               | 7.860                                  | 7.86                                 | 11.00                      | -3.14                 |



**1TX Antenna 5 MODE (FCC): SU, Single User**

|                |            |
|----------------|------------|
| Test Engineer: | 27979      |
| Test Date:     | 03/01/2023 |

**Bandwidth, Antenna Gain, and Limits**

| Channel | Frequency<br>(MHz) | Min<br>26dB BW<br>(MHz) | Directional<br>Gain<br>(dBi) | Power<br>Limit<br>(dBm) | PSD<br>Limit<br>(dBm/1MHz) |
|---------|--------------------|-------------------------|------------------------------|-------------------------|----------------------------|
| Mid     | 5290               | 80.98                   | -6.00                        | 24.00                   | 11.00                      |

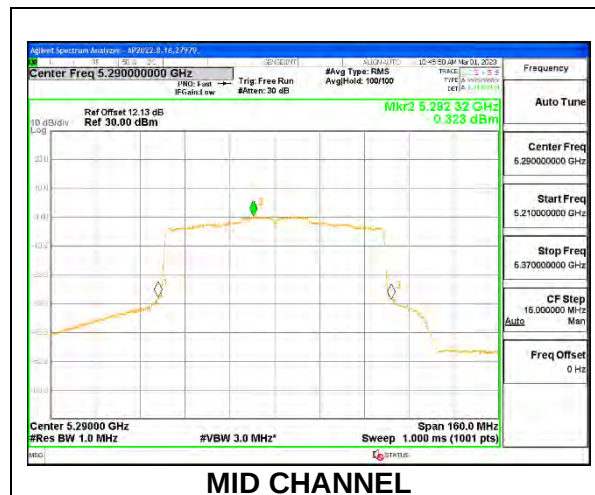
|                    |      |                                        |
|--------------------|------|----------------------------------------|
| Duty Cycle CF (dB) | 0.21 | Included in Calculations of Corr'd PSD |
|--------------------|------|----------------------------------------|

**Output Power Results**

| Channel | Frequency<br>(MHz) | Antenna 5<br>Meas<br>Power<br>(dBm) | Total<br>Corr'd<br>Power<br>(dBm) | Power<br>Limit<br>(dBm) | Power<br>Margin<br>(dB) |
|---------|--------------------|-------------------------------------|-----------------------------------|-------------------------|-------------------------|
| Mid     | 5290               | 16.18                               | 16.18                             | 24.00                   | -7.82                   |

**PSD Results**

| Channel | Frequency<br>(MHz) | Antenna 5<br>Meas<br>PSD<br>(dBm/1MHz) | Total<br>Corr'd<br>PSD<br>(dBm/1MHz) | PSD<br>Limit<br>(dBm/1MHz) | PSD<br>Margin<br>(dB) |
|---------|--------------------|----------------------------------------|--------------------------------------|----------------------------|-----------------------|
| Mid     | 5290               | 0.323                                  | 0.533                                | 11.00                      | -10.47                |



**2TX Antenna 6 + Antenna 5 OFDMA MODE (FCC): 106-Tone, RU Index 53**

|                |            |
|----------------|------------|
| Test Engineer: | 26118      |
| Test Date:     | 05/04/2023 |

**Bandwidth, Antenna Gain, and Limits**

| Channel | Frequency<br>(MHz) | Min<br>26dB BW<br>(MHz) | Directional<br>Gain<br>for Power<br>(dBi) | Directional<br>Gain<br>for PSD<br>(dBi) | Power<br>Limit<br>(dBm) | PSD<br>Limit<br>(dBm/1MHz) |
|---------|--------------------|-------------------------|-------------------------------------------|-----------------------------------------|-------------------------|----------------------------|
| Mid     | 5290               | 19.910                  | -4.38                                     | -1.48                                   | 23.99                   | 11.00                      |

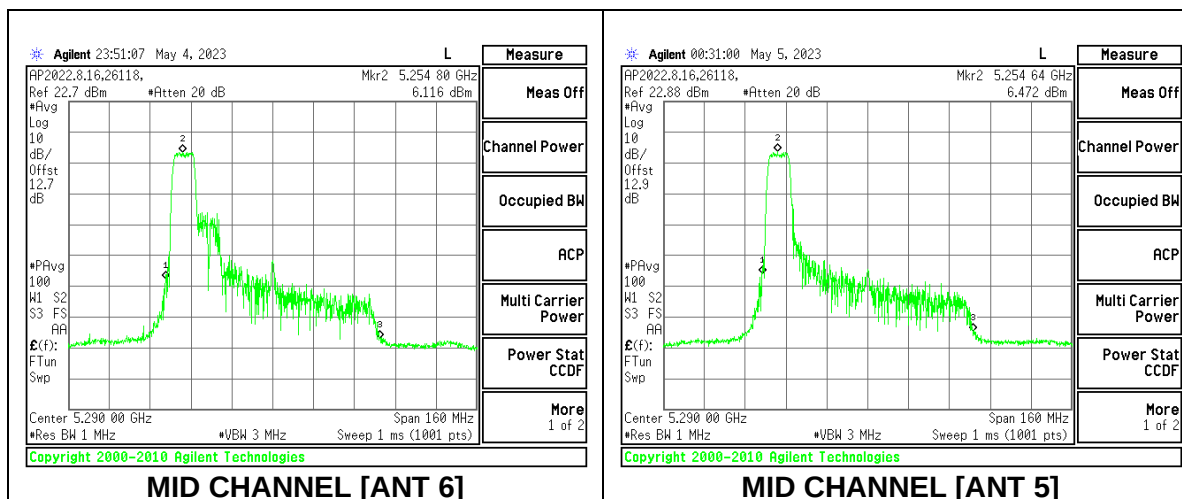
|                    |      |                                        |
|--------------------|------|----------------------------------------|
| Duty Cycle CF (dB) | 0.00 | Included in Calculations of Corr'd PSD |
|--------------------|------|----------------------------------------|

**Output Power Results**

| Channel | Frequency<br>(MHz) | Antenna 6<br>Meas<br>Power<br>(dBm) | Antenna 5<br>Meas<br>Power<br>(dBm) | Total<br>Corr'd<br>Power<br>(dBm) | Power<br>Limit<br>(dBm) | Power<br>Margin<br>(dB) |
|---------|--------------------|-------------------------------------|-------------------------------------|-----------------------------------|-------------------------|-------------------------|
| Mid     | 5290               | 12.18                               | 12.24                               | 15.22                             | 23.99                   | -8.77                   |

**PSD Results**

| Channel | Frequency<br>(MHz) | Antenna 6<br>Meas<br>PSD<br>(dBm/1MHz) | Antenna 5<br>Meas<br>PSD<br>(dBm/1MHz) | Total<br>Corr'd<br>PSD<br>(dBm/1MHz) | PSD<br>Limit<br>(dBm/1MHz) | PSD<br>Margin<br>(dB) |
|---------|--------------------|----------------------------------------|----------------------------------------|--------------------------------------|----------------------------|-----------------------|
| Mid     | 5290               | 6.116                                  | 6.472                                  | 9.31                                 | 11.00                      | -1.69                 |



**2TX Antenna 6 + Antenna 5 OFDMA MODE (FCC): 106-Tone, RU Index 56**

|                |            |
|----------------|------------|
| Test Engineer: | 26118      |
| Test Date:     | 05/04/2023 |

**Bandwidth, Antenna Gain, and Limits**

| Channel | Frequency<br>(MHz) | Min<br>26dB BW<br>(MHz) | Directional<br>Gain<br>for Power<br>(dBi) | Directional<br>Gain<br>for PSD<br>(dBi) | Power<br>Limit<br>(dBm) | PSD<br>Limit<br>(dBm/1MHz) |
|---------|--------------------|-------------------------|-------------------------------------------|-----------------------------------------|-------------------------|----------------------------|
| Mid     | 5290               | 21.910                  | -4.38                                     | -1.48                                   | 24.00                   | 11.00                      |

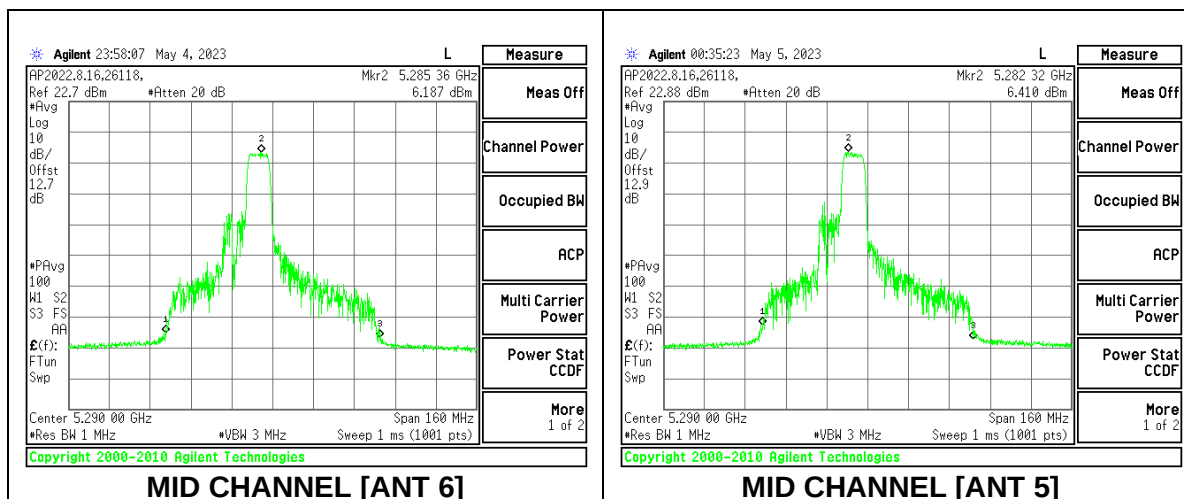
|                    |      |                                        |
|--------------------|------|----------------------------------------|
| Duty Cycle CF (dB) | 0.00 | Included in Calculations of Corr'd PSD |
|--------------------|------|----------------------------------------|

**Output Power Results**

| Channel | Frequency<br>(MHz) | Antenna 6<br>Meas<br>Power<br>(dBm) | Antenna 5<br>Meas<br>Power<br>(dBm) | Total<br>Corr'd<br>Power<br>(dBm) | Power<br>Limit<br>(dBm) | Power<br>Margin<br>(dB) |
|---------|--------------------|-------------------------------------|-------------------------------------|-----------------------------------|-------------------------|-------------------------|
| Mid     | 5290               | 12.18                               | 12.25                               | 15.23                             | 24.00                   | -8.77                   |

**PSD Results**

| Channel | Frequency<br>(MHz) | Antenna 6<br>Meas<br>PSD<br>(dBm/1MHz) | Antenna 5<br>Meas<br>PSD<br>(dBm/1MHz) | Total<br>Corr'd<br>PSD<br>(dBm/1MHz) | PSD<br>Limit<br>(dBm/1MHz) | PSD<br>Margin<br>(dB) |
|---------|--------------------|----------------------------------------|----------------------------------------|--------------------------------------|----------------------------|-----------------------|
| Mid     | 5290               | 6.187                                  | 6.410                                  | 9.31                                 | 11.00                      | -1.69                 |



**2TX Antenna 6 + Antenna 5 OFDMA MODE (FCC): 106-Tone, RU Index 60**

|                |            |
|----------------|------------|
| Test Engineer: | 26118      |
| Test Date:     | 05/05/2023 |

**Bandwidth, Antenna Gain, and Limits**

| Channel | Frequency<br>(MHz) | Min<br>26dB BW<br>(MHz) | Directional<br>Gain<br>for Power<br>(dBi) | Directional<br>Gain<br>for PSD<br>(dBi) | Power<br>Limit<br>(dBm) | PSD<br>Limit<br>(dBm/1MHz) |
|---------|--------------------|-------------------------|-------------------------------------------|-----------------------------------------|-------------------------|----------------------------|
| Mid     | 5290               | 19.350                  | -4.38                                     | -1.48                                   | 23.87                   | 11.00                      |

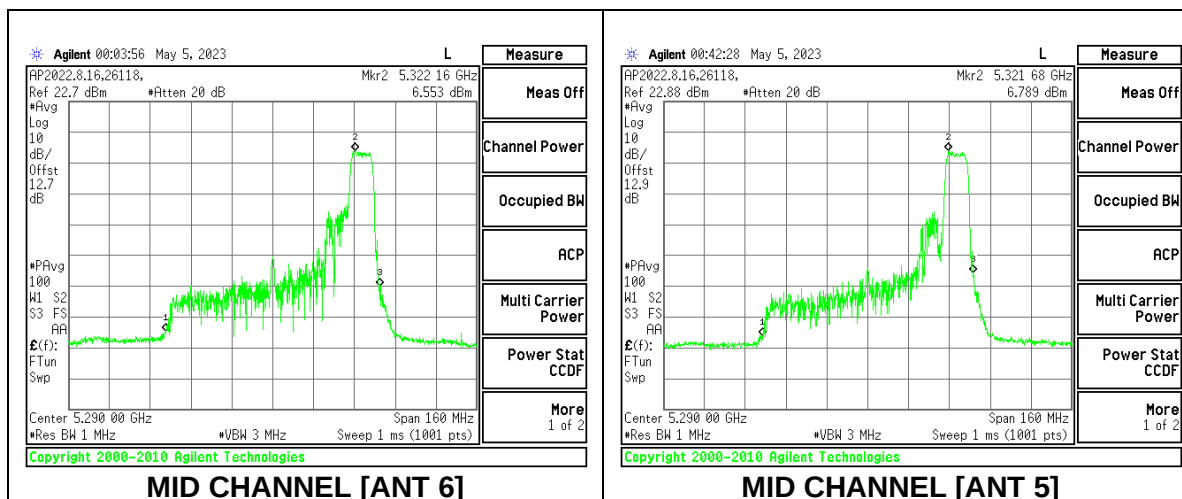
|                    |      |                                        |
|--------------------|------|----------------------------------------|
| Duty Cycle CF (dB) | 0.00 | Included in Calculations of Corr'd PSD |
|--------------------|------|----------------------------------------|

**Output Power Results**

| Channel | Frequency<br>(MHz) | Antenna 6<br>Meas<br>Power<br>(dBm) | Antenna 5<br>Meas<br>Power<br>(dBm) | Total<br>Corr'd<br>Power<br>(dBm) | Power<br>Limit<br>(dBm) | Power<br>Margin<br>(dB) |
|---------|--------------------|-------------------------------------|-------------------------------------|-----------------------------------|-------------------------|-------------------------|
| Mid     | 5290               | 12.23                               | 12.25                               | 15.25                             | 23.87                   | -8.62                   |

**PSD Results**

| Channel | Frequency<br>(MHz) | Antenna 6<br>Meas<br>PSD<br>(dBm/1MHz) | Antenna 5<br>Meas<br>PSD<br>(dBm/1MHz) | Total<br>Corr'd<br>PSD<br>(dBm/1MHz) | PSD<br>Limit<br>(dBm/1MHz) | PSD<br>Margin<br>(dB) |
|---------|--------------------|----------------------------------------|----------------------------------------|--------------------------------------|----------------------------|-----------------------|
| Mid     | 5290               | 6.553                                  | 6.789                                  | 9.68                                 | 11.00                      | -1.32                 |



**2TX Antenna 6 + Antenna 5 OFDMA MODE (FCC): SU, Single User**

|                |            |
|----------------|------------|
| Test Engineer: | 27979      |
| Test Date:     | 03/01/2023 |

**Bandwidth, Antenna Gain, and Limits**

| Channel | Frequency<br>(MHz) | Min<br>26dB BW<br>(MHz) | Directional<br>Gain<br>for Power<br>(dBi) | Directional<br>Gain<br>for PSD<br>(dBi) | Power<br>Limit<br>(dBm) | PSD<br>Limit<br>(dBm/1MHz) |
|---------|--------------------|-------------------------|-------------------------------------------|-----------------------------------------|-------------------------|----------------------------|
| Mid     | 5290               | 80.280                  | -4.38                                     | -1.48                                   | 24.00                   | 11.00                      |

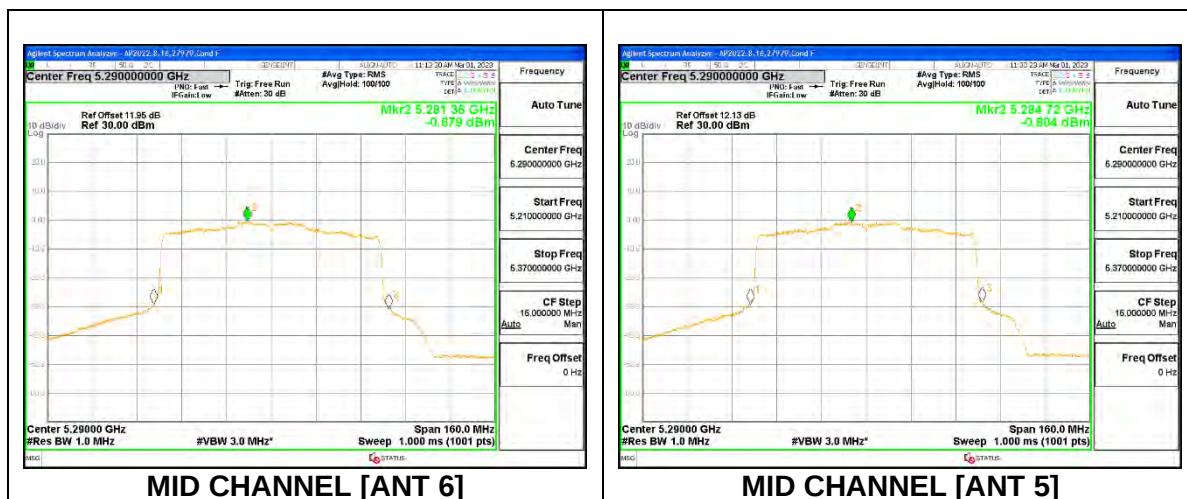
|                    |      |                                        |
|--------------------|------|----------------------------------------|
| Duty Cycle CF (dB) | 0.21 | Included in Calculations of Corr'd PSD |
|--------------------|------|----------------------------------------|

**Output Power Results**

| Channel | Frequency<br>(MHz) | Antenna 6<br>Meas<br>Power<br>(dBm) | Antenna 5<br>Meas<br>Power<br>(dBm) | Total<br>Corr'd<br>Power<br>(dBm) | Power<br>Limit<br>(dBm) | Power<br>Margin<br>(dB) |
|---------|--------------------|-------------------------------------|-------------------------------------|-----------------------------------|-------------------------|-------------------------|
| Mid     | 5290               | 15.19                               | 15.17                               | 18.19                             | 24.00                   | -5.81                   |

**PSD Results**

| Channel | Frequency<br>(MHz) | Antenna 6<br>Meas<br>PSD<br>(dBm/1MHz) | Antenna 5<br>Meas<br>PSD<br>(dBm/1MHz) | Total<br>Corr'd<br>PSD<br>(dBm/1MHz) | PSD<br>Limit<br>(dBm/1MHz) | PSD<br>Margin<br>(dB) |
|---------|--------------------|----------------------------------------|----------------------------------------|--------------------------------------|----------------------------|-----------------------|
| Mid     | 5290               | -0.679                                 | -0.804                                 | 2.48                                 | 11.00                      | -8.52                 |



## 9.4.14. 802.11ax HE160 MODE IN THE 5.3 GHz BAND

**1TX Antenna 6 MODE (FCC): 106-Tone, RU Index 53**

|                |            |
|----------------|------------|
| Test Engineer: | 26118      |
| Test Date:     | 05/05/2023 |

**Bandwidth, Antenna Gain, and Limits**

| Channel | Frequency<br>(MHz) | Min<br>26dB BW<br>(MHz) | Directional<br>Gain<br>(dBi) | Power<br>Limit<br>(dBm) | PSD<br>Limit<br>(dBm/1MHz) |
|---------|--------------------|-------------------------|------------------------------|-------------------------|----------------------------|
| Mid     | 5250               | 21.20                   | -3.20                        | 24.00                   | 11.00                      |

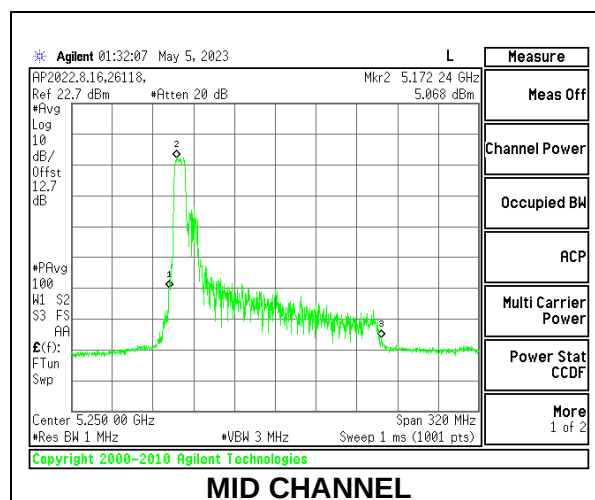
|                    |      |                                        |
|--------------------|------|----------------------------------------|
| Duty Cycle CF (dB) | 0.00 | Included in Calculations of Corr'd PSD |
|--------------------|------|----------------------------------------|

**Output Power Results**

| Channel | Frequency<br>(MHz) | Antenna 6<br>Meas<br>Power<br>(dBm) | Total<br>Corr'd<br>Power<br>(dBm) | Power<br>Limit<br>(dBm) | Power<br>Margin<br>(dB) |
|---------|--------------------|-------------------------------------|-----------------------------------|-------------------------|-------------------------|
| Mid     | 5250               | 9.23                                | 9.23                              | 24.00                   | -14.77                  |

**PSD Results**

| Channel | Frequency<br>(MHz) | Antenna 6<br>Meas<br>PSD<br>(dBm/1MHz) | Total<br>Corr'd<br>PSD<br>(dBm/1MHz) | PSD<br>Limit<br>(dBm/1MHz) | PSD<br>Margin<br>(dB) |
|---------|--------------------|----------------------------------------|--------------------------------------|----------------------------|-----------------------|
| Mid     | 5250               | 5.068                                  | 5.07                                 | 11.00                      | -5.93                 |



**1TX Antenna 6 MODE (FCC): 106-Tone, RU Index 60**

|                |            |
|----------------|------------|
| Test Engineer: | 26118      |
| Test Date:     | 05/05/2023 |

**Bandwidth, Antenna Gain, and Limits**

| Channel | Frequency<br>(MHz) | Min<br>26dB BW<br>(MHz) | Directional<br>Gain<br>(dBi) | Power<br>Limit<br>(dBm) | PSD<br>Limit<br>(dBm/1MHz) |
|---------|--------------------|-------------------------|------------------------------|-------------------------|----------------------------|
| Mid     | 5250               | 25.28                   | -3.20                        | 24.00                   | 11.00                      |

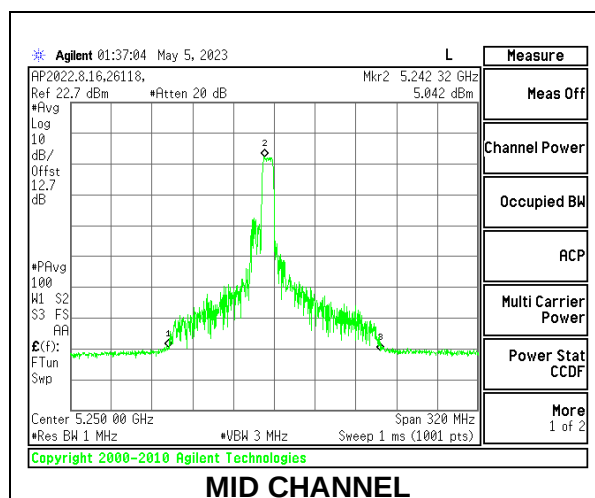
|                    |      |                                        |
|--------------------|------|----------------------------------------|
| Duty Cycle CF (dB) | 0.00 | Included in Calculations of Corr'd PSD |
|--------------------|------|----------------------------------------|

**Output Power Results**

| Channel | Frequency<br>(MHz) | Antenna 6<br>Meas<br>Power<br>(dBm) | Total<br>Corr'd<br>Power<br>(dBm) | Power<br>Limit<br>(dBm) | Power<br>Margin<br>(dB) |
|---------|--------------------|-------------------------------------|-----------------------------------|-------------------------|-------------------------|
| Mid     | 5250               | 9.22                                | 9.22                              | 24.00                   | -14.78                  |

**PSD Results**

| Channel | Frequency<br>(MHz) | Antenna 6<br>Meas<br>PSD<br>(dBm/1MHz) | Total<br>Corr'd<br>PSD<br>(dBm/1MHz) | PSD<br>Limit<br>(dBm/1MHz) | PSD<br>Margin<br>(dB) |
|---------|--------------------|----------------------------------------|--------------------------------------|----------------------------|-----------------------|
| Mid     | 5250               | 5.042                                  | 5.04                                 | 11.00                      | -5.96                 |



**1TX Antenna 6 MODE (FCC): 106-Tone, RU Index S60**

|                |            |
|----------------|------------|
| Test Engineer: | 26118      |
| Test Date:     | 03/23/2023 |

**Bandwidth, Antenna Gain, and Limits**

| Channel | Frequency<br>(MHz) | Min<br>26dB BW<br>(MHz) | Directional<br>Gain<br>(dBi) | Power<br>Limit<br>(dBm) | PSD<br>Limit<br>(dBm/1MHz) |
|---------|--------------------|-------------------------|------------------------------|-------------------------|----------------------------|
| Mid     | 5250               | 22.28                   | -3.20                        | 24.00                   | 11.00                      |

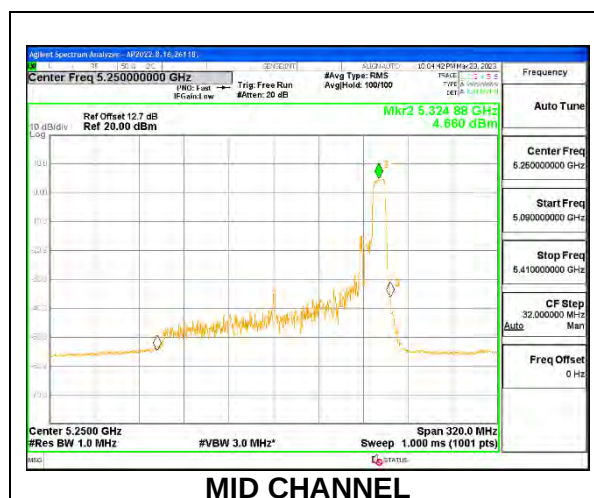
|                    |      |                                        |
|--------------------|------|----------------------------------------|
| Duty Cycle CF (dB) | 0.00 | Included in Calculations of Corr'd PSD |
|--------------------|------|----------------------------------------|

**Output Power Results**

| Channel | Frequency<br>(MHz) | Antenna 6<br>Meas<br>Power<br>(dBm) | Total<br>Corr'd<br>Power<br>(dBm) | Power<br>Limit<br>(dBm) | Power<br>Margin<br>(dB) |
|---------|--------------------|-------------------------------------|-----------------------------------|-------------------------|-------------------------|
| Mid     | 5250               | 9.20                                | 9.20                              | 24.00                   | -14.80                  |

**PSD Results**

| Channel | Frequency<br>(MHz) | Antenna 6<br>Meas<br>PSD<br>(dBm/1MHz) | Total<br>Corr'd<br>PSD<br>(dBm/1MHz) | PSD<br>Limit<br>(dBm/1MHz) | PSD<br>Margin<br>(dB) |
|---------|--------------------|----------------------------------------|--------------------------------------|----------------------------|-----------------------|
| Mid     | 5250               | 4.660                                  | 4.66                                 | 11.00                      | -6.34                 |



**1TX Antenna 6 MODE (FCC): SU, Single User**

|                |            |
|----------------|------------|
| Test Engineer: | 32181      |
| Test Date:     | 08/08/2023 |

**Bandwidth, Antenna Gain, and Limits**

| Channel | Frequency<br>(MHz) | Min<br>26dB BW<br>(MHz) | Directional<br>Gain<br>(dBi) | Power<br>Limit<br>(dBm) | PSD<br>Limit<br>(dBm/1MHz) |
|---------|--------------------|-------------------------|------------------------------|-------------------------|----------------------------|
| Mid     | 5250               | 162.50                  | -3.20                        | 24.00                   | 11.00                      |

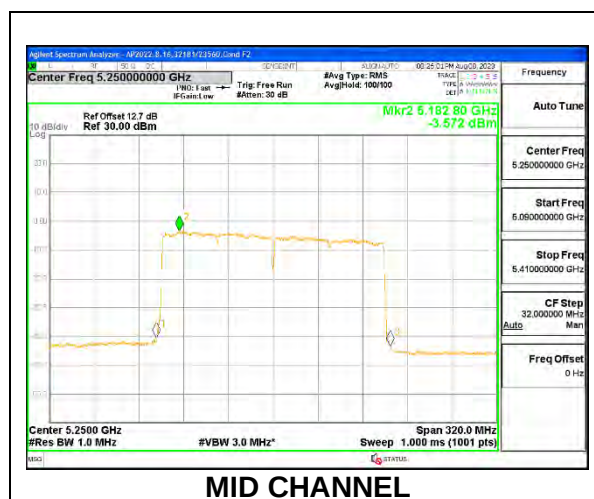
|                    |      |                                        |
|--------------------|------|----------------------------------------|
| Duty Cycle CF (dB) | 0.38 | Included in Calculations of Corr'd PSD |
|--------------------|------|----------------------------------------|

**Output Power Results**

| Channel | Frequency<br>(MHz) | Antenna 6<br>Meas<br>Power<br>(dBm) | Total<br>Corr'd<br>Power<br>(dBm) | Power<br>Limit<br>(dBm) | Power<br>Margin<br>(dB) |
|---------|--------------------|-------------------------------------|-----------------------------------|-------------------------|-------------------------|
| Mid     | 5250               | 15.72                               | 15.72                             | 24.00                   | -8.28                   |

**PSD Results**

| Channel | Frequency<br>(MHz) | Antenna 6<br>Meas<br>PSD<br>(dBm/1MHz) | Total<br>Corr'd<br>PSD<br>(dBm/1MHz) | PSD<br>Limit<br>(dBm/1MHz) | PSD<br>Margin<br>(dB) |
|---------|--------------------|----------------------------------------|--------------------------------------|----------------------------|-----------------------|
| Mid     | 5250               | -3.572                                 | -3.192                               | 11.00                      | -14.19                |



**1TX Antenna 5 MODE (FCC): 106-Tone, RU Index 53**

|                |            |
|----------------|------------|
| Test Engineer: | 26118      |
| Test Date:     | 05/05/2023 |

**Bandwidth, Antenna Gain, and Limits**

| Channel | Frequency<br>(MHz) | Min<br>26dB BW<br>(MHz) | Directional<br>Gain<br>(dBi) | Power<br>Limit<br>(dBm) | PSD<br>Limit<br>(dBm/1MHz) |
|---------|--------------------|-------------------------|------------------------------|-------------------------|----------------------------|
| Mid     | 5250               | 20.91                   | -6.00                        | 24.00                   | 11.00                      |

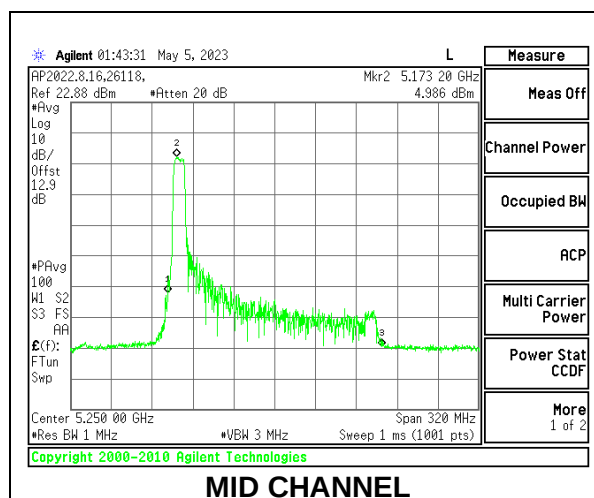
|                    |      |                                        |
|--------------------|------|----------------------------------------|
| Duty Cycle CF (dB) | 0.00 | Included in Calculations of Corr'd PSD |
|--------------------|------|----------------------------------------|

**Output Power Results**

| Channel | Frequency<br>(MHz) | Antenna 5<br>Meas<br>Power<br>(dBm) | Total<br>Corr'd<br>Power<br>(dBm) | Power<br>Limit<br>(dBm) | Power<br>Margin<br>(dB) |
|---------|--------------------|-------------------------------------|-----------------------------------|-------------------------|-------------------------|
| Mid     | 5250               | 9.23                                | 9.23                              | 24.00                   | -14.77                  |

**PSD Results**

| Channel | Frequency<br>(MHz) | Antenna 5<br>Meas<br>PSD<br>(dBm/1MHz) | Total<br>Corr'd<br>PSD<br>(dBm/1MHz) | PSD<br>Limit<br>(dBm/1MHz) | PSD<br>Margin<br>(dB) |
|---------|--------------------|----------------------------------------|--------------------------------------|----------------------------|-----------------------|
| Mid     | 5250               | 4.986                                  | 4.99                                 | 11.00                      | -6.01                 |



**1TX Antenna 5 MODE (FCC): 106-Tone, RU Index 60**

|                |            |
|----------------|------------|
| Test Engineer: | 26118      |
| Test Date:     | 05/05/2023 |

**Bandwidth, Antenna Gain, and Limits**

| Channel | Frequency<br>(MHz) | Min<br>26dB BW<br>(MHz) | Directional<br>Gain<br>(dBi) | Power<br>Limit<br>(dBm) | PSD<br>Limit<br>(dBm/1MHz) |
|---------|--------------------|-------------------------|------------------------------|-------------------------|----------------------------|
| Mid     | 5250               | 23.56                   | -6.00                        | 24.00                   | 11.00                      |

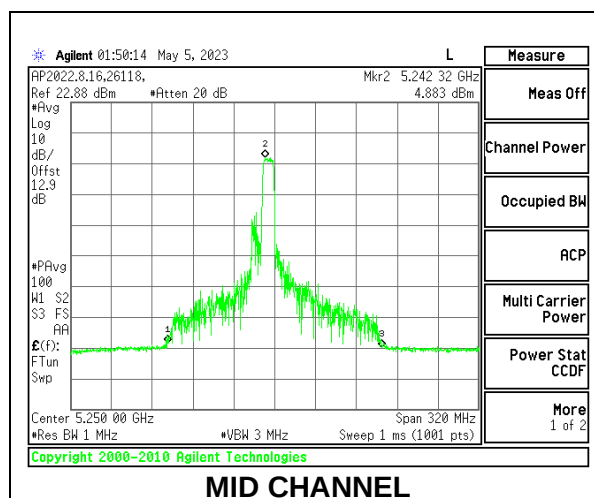
|                    |      |                                        |
|--------------------|------|----------------------------------------|
| Duty Cycle CF (dB) | 0.00 | Included in Calculations of Corr'd PSD |
|--------------------|------|----------------------------------------|

**Output Power Results**

| Channel | Frequency<br>(MHz) | Antenna 5<br>Meas<br>Power<br>(dBm) | Total<br>Corr'd<br>Power<br>(dBm) | Power<br>Limit<br>(dBm) | Power<br>Margin<br>(dB) |
|---------|--------------------|-------------------------------------|-----------------------------------|-------------------------|-------------------------|
| Mid     | 5250               | 9.22                                | 9.22                              | 24.00                   | -14.78                  |

**PSD Results**

| Channel | Frequency<br>(MHz) | Antenna 5<br>Meas<br>PSD<br>(dBm/1MHz) | Total<br>Corr'd<br>PSD<br>(dBm/1MHz) | PSD<br>Limit<br>(dBm/1MHz) | PSD<br>Margin<br>(dB) |
|---------|--------------------|----------------------------------------|--------------------------------------|----------------------------|-----------------------|
| Mid     | 5250               | 4.883                                  | 4.88                                 | 11.00                      | -6.12                 |



**1TX Antenna 5 MODE (FCC): 106-Tone, RU Index S60**

|                |            |
|----------------|------------|
| Test Engineer: | 26118      |
| Test Date:     | 03/23/2023 |

**Bandwidth, Antenna Gain, and Limits**

| Channel | Frequency<br>(MHz) | Min<br>26dB BW<br>(MHz) | Directional<br>Gain<br>(dBi) | Power<br>Limit<br>(dBm) | PSD<br>Limit<br>(dBm/1MHz) |
|---------|--------------------|-------------------------|------------------------------|-------------------------|----------------------------|
| Mid     | 5250               | 22.66                   | -6.00                        | 24.00                   | 11.00                      |

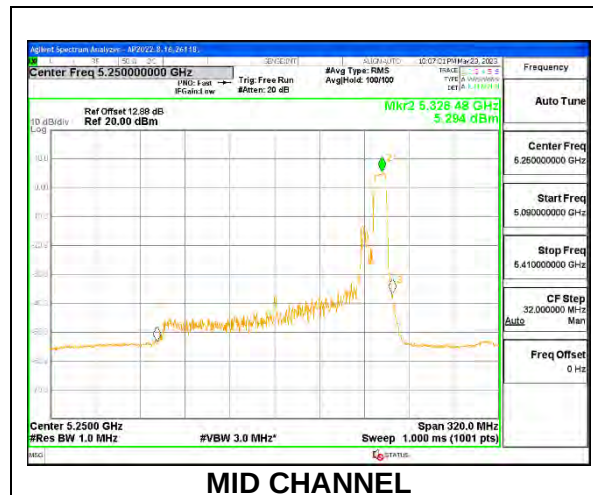
|                    |      |                                        |
|--------------------|------|----------------------------------------|
| Duty Cycle CF (dB) | 0.00 | Included in Calculations of Corr'd PSD |
|--------------------|------|----------------------------------------|

**Output Power Results**

| Channel | Frequency<br>(MHz) | Antenna 5<br>Meas<br>Power<br>(dBm) | Total<br>Corr'd<br>Power<br>(dBm) | Power<br>Limit<br>(dBm) | Power<br>Margin<br>(dB) |
|---------|--------------------|-------------------------------------|-----------------------------------|-------------------------|-------------------------|
| Mid     | 5250               | 9.25                                | 9.25                              | 24.00                   | -14.75                  |

**PSD Results**

| Channel | Frequency<br>(MHz) | Antenna 5<br>Meas<br>PSD<br>(dBm/1MHz) | Total<br>Corr'd<br>PSD<br>(dBm/1MHz) | PSD<br>Limit<br>(dBm/1MHz) | PSD<br>Margin<br>(dB) |
|---------|--------------------|----------------------------------------|--------------------------------------|----------------------------|-----------------------|
| Mid     | 5250               | 5.294                                  | 5.29                                 | 11.00                      | -5.71                 |



**1TX Antenna 5 MODE (FCC): SU, Single User**

|                |            |
|----------------|------------|
| Test Engineer: | 32181      |
| Test Date:     | 08/08/2023 |

**Bandwidth, Antenna Gain, and Limits**

| Channel | Frequency<br>(MHz) | Min<br>26dB BW<br>(MHz) | Directional<br>Gain<br>(dBi) | Power<br>Limit<br>(dBm) | PSD<br>Limit<br>(dBm/1MHz) |
|---------|--------------------|-------------------------|------------------------------|-------------------------|----------------------------|
| Mid     | 5250               | 163.10                  | -6.00                        | 24.00                   | 11.00                      |

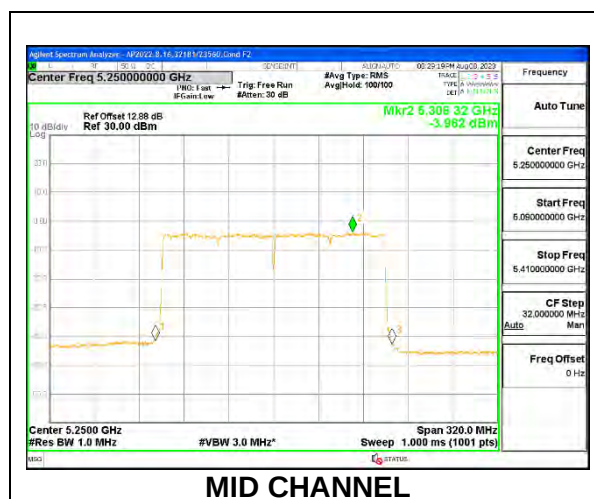
|                    |      |                                        |
|--------------------|------|----------------------------------------|
| Duty Cycle CF (dB) | 0.38 | Included in Calculations of Corr'd PSD |
|--------------------|------|----------------------------------------|

**Output Power Results**

| Channel | Frequency<br>(MHz) | Antenna 5<br>Meas<br>Power<br>(dBm) | Total<br>Corr'd<br>Power<br>(dBm) | Power<br>Limit<br>(dBm) | Power<br>Margin<br>(dB) |
|---------|--------------------|-------------------------------------|-----------------------------------|-------------------------|-------------------------|
| Mid     | 5250               | 15.68                               | 15.68                             | 24.00                   | -8.32                   |

**PSD Results**

| Channel | Frequency<br>(MHz) | Antenna 5<br>Meas<br>PSD<br>(dBm/1MHz) | Total<br>Corr'd<br>PSD<br>(dBm/1MHz) | PSD<br>Limit<br>(dBm/1MHz) | PSD<br>Margin<br>(dB) |
|---------|--------------------|----------------------------------------|--------------------------------------|----------------------------|-----------------------|
| Mid     | 5250               | -3.962                                 | -3.582                               | 11.00                      | -14.58                |



**2TX Antenna 6 + Antenna 5 OFDMA MODE (FCC): 106-Tone, RU Index 53**

|                |            |
|----------------|------------|
| Test Engineer: | 26118      |
| Test Date:     | 05/05/2023 |

**Bandwidth, Antenna Gain, and Limits**

| Channel | Frequency<br>(MHz) | Min<br>26dB BW<br>(MHz) | Directional<br>Gain<br>for Power<br>(dBi) | Directional<br>Gain<br>for PSD<br>(dBi) | Power<br>Limit<br>(dBm) | PSD<br>Limit<br>(dBm/1MHz) |
|---------|--------------------|-------------------------|-------------------------------------------|-----------------------------------------|-------------------------|----------------------------|
| Mid     | 5250               | 22.220                  | -4.38                                     | -1.48                                   | 24.00                   | 11.00                      |

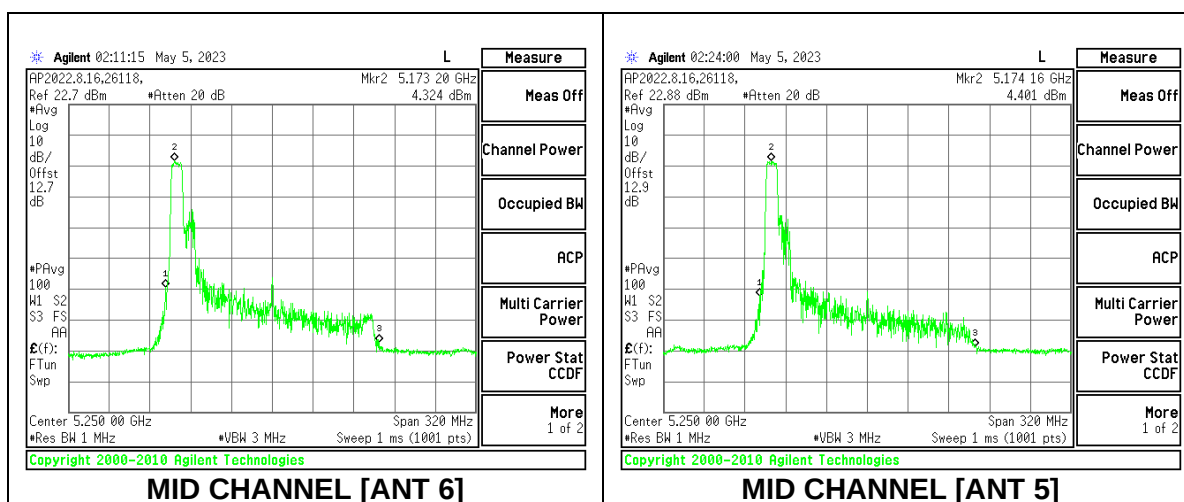
|                    |      |                                        |
|--------------------|------|----------------------------------------|
| Duty Cycle CF (dB) | 0.00 | Included in Calculations of Corr'd PSD |
|--------------------|------|----------------------------------------|

**Output Power Results**

| Channel | Frequency<br>(MHz) | Antenna 6<br>Meas<br>Power<br>(dBm) | Antenna 5<br>Meas<br>Power<br>(dBm) | Total<br>Corr'd<br>Power<br>(dBm) | Power<br>Limit<br>(dBm) | Power<br>Margin<br>(dB) |
|---------|--------------------|-------------------------------------|-------------------------------------|-----------------------------------|-------------------------|-------------------------|
| Mid     | 5250               | 9.19                                | 9.21                                | 12.21                             | 24.00                   | -11.79                  |

**PSD Results**

| Channel | Frequency<br>(MHz) | Antenna 6<br>Meas<br>PSD<br>(dBm/1MHz) | Antenna 5<br>Meas<br>PSD<br>(dBm/1MHz) | Total<br>Corr'd<br>PSD<br>(dBm/1MHz) | PSD<br>Limit<br>(dBm/1MHz) | PSD<br>Margin<br>(dB) |
|---------|--------------------|----------------------------------------|----------------------------------------|--------------------------------------|----------------------------|-----------------------|
| Mid     | 5250               | 4.324                                  | 4.401                                  | 7.37                                 | 11.00                      | -3.63                 |



**2TX Antenna 6 + Antenna 5 OFDMA MODE (FCC): 106-Tone, RU Index 60**

|                |            |
|----------------|------------|
| Test Engineer: | 26118      |
| Test Date:     | 05/05/2023 |

**Bandwidth, Antenna Gain, and Limits**

| Channel | Frequency<br>(MHz) | Min<br>26dB BW<br>(MHz) | Directional<br>Gain<br>for Power<br>(dBi) | Directional<br>Gain<br>for PSD<br>(dBi) | Power<br>Limit<br>(dBm) | PSD<br>Limit<br>(dBm/1MHz) |
|---------|--------------------|-------------------------|-------------------------------------------|-----------------------------------------|-------------------------|----------------------------|
| Mid     | 5250               | 23.140                  | -4.38                                     | -1.48                                   | 24.00                   | 11.00                      |

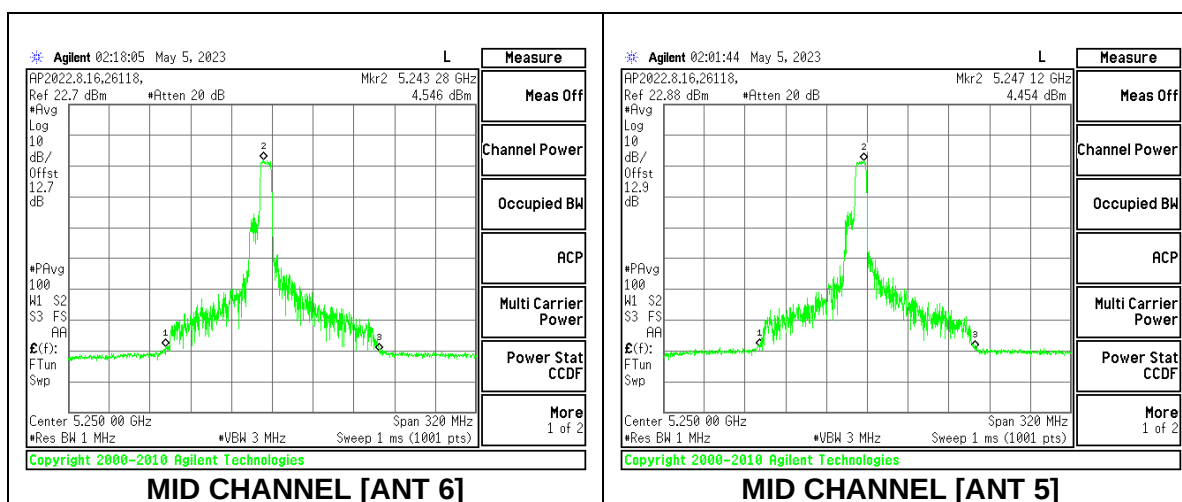
|                    |      |                                        |
|--------------------|------|----------------------------------------|
| Duty Cycle CF (dB) | 0.00 | Included in Calculations of Corr'd PSD |
|--------------------|------|----------------------------------------|

**Output Power Results**

| Channel | Frequency<br>(MHz) | Antenna 6<br>Meas<br>Power<br>(dBm) | Antenna 5<br>Meas<br>Power<br>(dBm) | Total<br>Corr'd<br>Power<br>(dBm) | Power<br>Limit<br>(dBm) | Power<br>Margin<br>(dB) |
|---------|--------------------|-------------------------------------|-------------------------------------|-----------------------------------|-------------------------|-------------------------|
| Mid     | 5250               | 9.22                                | 9.24                                | 12.24                             | 24.00                   | -11.76                  |

**PSD Results**

| Channel | Frequency<br>(MHz) | Antenna 6<br>Meas<br>PSD<br>(dBm/1MHz) | Antenna 5<br>Meas<br>PSD<br>(dBm/1MHz) | Total<br>Corr'd<br>PSD<br>(dBm/1MHz) | PSD<br>Limit<br>(dBm/1MHz) | PSD<br>Margin<br>(dB) |
|---------|--------------------|----------------------------------------|----------------------------------------|--------------------------------------|----------------------------|-----------------------|
| Mid     | 5250               | 4.546                                  | 4.454                                  | 7.51                                 | 11.00                      | -3.49                 |



**2TX Antenna 6 + Antenna 5 OFDMA MODE (FCC): 106-Tone, RU Index S60**

|                |            |
|----------------|------------|
| Test Engineer: | 26118      |
| Test Date:     | 05/10/2023 |

**Bandwidth, Antenna Gain, and Limits**

| Channel | Frequency<br>(MHz) | Min<br>26dB BW<br>(MHz) | Directional<br>Gain<br>for Power<br>(dBi) | Directional<br>Gain<br>for PSD<br>(dBi) | Power<br>Limit<br>(dBm) | PSD<br>Limit<br>(dBm/1MHz) |
|---------|--------------------|-------------------------|-------------------------------------------|-----------------------------------------|-------------------------|----------------------------|
| Mid     | 5250               | 22.190                  | -4.38                                     | -1.48                                   | 24.00                   | 11.00                      |

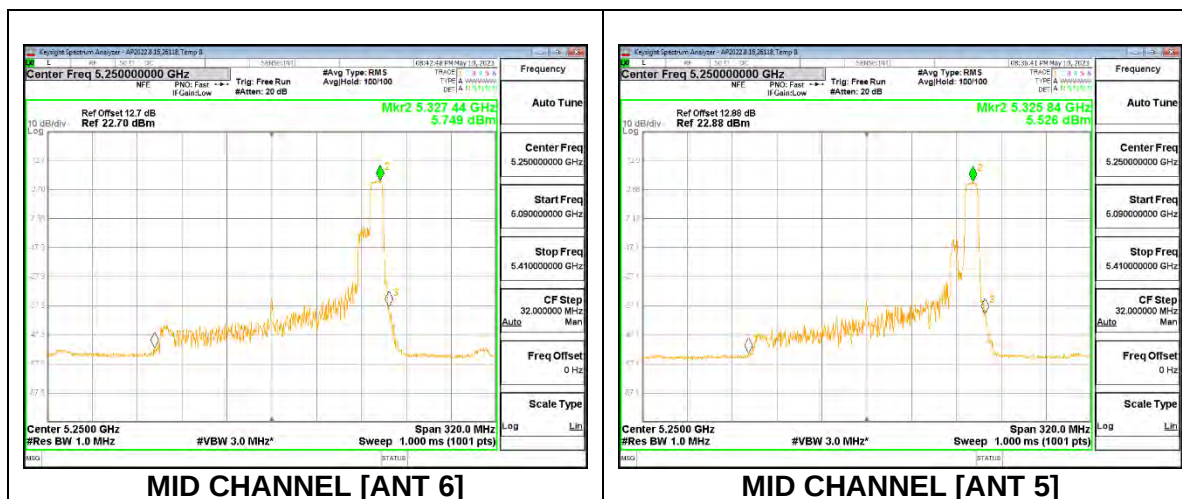
|                    |      |                                        |
|--------------------|------|----------------------------------------|
| Duty Cycle CF (dB) | 0.00 | Included in Calculations of Corr'd PSD |
|--------------------|------|----------------------------------------|

**Output Power Results**

| Channel | Frequency<br>(MHz) | Antenna 6<br>Meas<br>Power<br>(dBm) | Antenna 5<br>Meas<br>Power<br>(dBm) | Total<br>Corr'd<br>Power<br>(dBm) | Power<br>Limit<br>(dBm) | Power<br>Margin<br>(dB) |
|---------|--------------------|-------------------------------------|-------------------------------------|-----------------------------------|-------------------------|-------------------------|
| Mid     | 5250               | 9.22                                | 9.19                                | 12.22                             | 24.00                   | -11.78                  |

**PSD Results**

| Channel | Frequency<br>(MHz) | Antenna 6<br>Meas<br>PSD<br>(dBm/1MHz) | Antenna 5<br>Meas<br>PSD<br>(dBm/1MHz) | Total<br>Corr'd<br>PSD<br>(dBm/1MHz) | PSD<br>Limit<br>(dBm/1MHz) | PSD<br>Margin<br>(dB) |
|---------|--------------------|----------------------------------------|----------------------------------------|--------------------------------------|----------------------------|-----------------------|
| Mid     | 5250               | 5.749                                  | 5.526                                  | 8.65                                 | 11.00                      | -2.35                 |



**2TX Antenna 6 + Antenna 5 OFDMA MODE (FCC): SU, Single User**

|                |            |
|----------------|------------|
| Test Engineer: | 32181      |
| Test Date:     | 08/08/2023 |

**Bandwidth, Antenna Gain, and Limits**

| Channel | Frequency<br>(MHz) | Min<br>26dB BW<br>(MHz) | Directional<br>Gain<br>for Power<br>(dBi) | Directional<br>Gain<br>for PSD<br>(dBi) | Power<br>Limit<br>(dBm) | PSD<br>Limit<br>(dBm/1MHz) |
|---------|--------------------|-------------------------|-------------------------------------------|-----------------------------------------|-------------------------|----------------------------|
| Mid     | 5250               | 162.400                 | -4.38                                     | -1.48                                   | 24.00                   | 11.00                      |

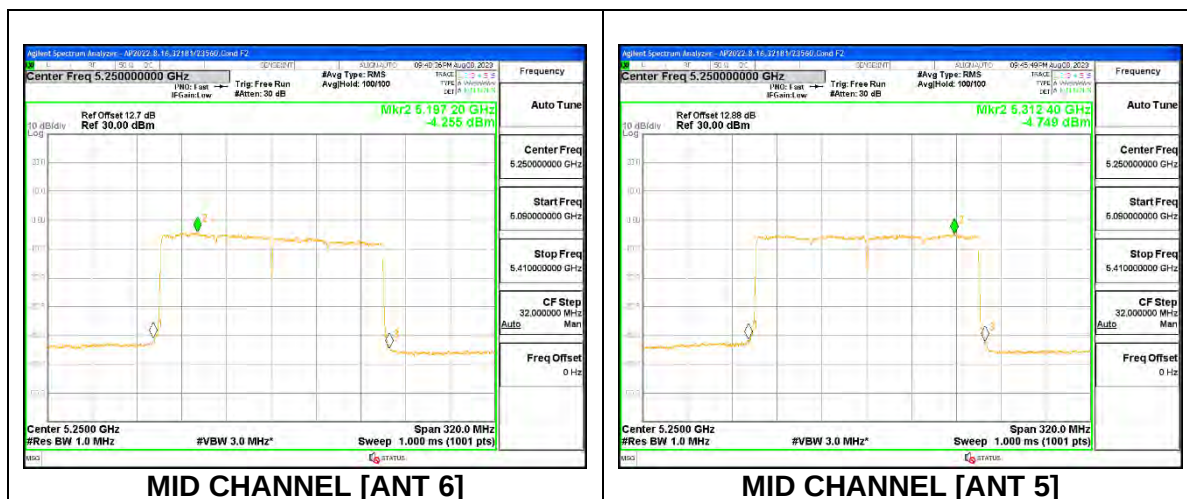
|                    |      |                                        |
|--------------------|------|----------------------------------------|
| Duty Cycle CF (dB) | 0.38 | Included in Calculations of Corr'd PSD |
|--------------------|------|----------------------------------------|

**Output Power Results**

| Channel | Frequency<br>(MHz) | Antenna 6<br>Meas<br>Power<br>(dBm) | Antenna 5<br>Meas<br>Power<br>(dBm) | Total<br>Corr'd<br>Power<br>(dBm) | Power<br>Limit<br>(dBm) | Power<br>Margin<br>(dB) |
|---------|--------------------|-------------------------------------|-------------------------------------|-----------------------------------|-------------------------|-------------------------|
| Mid     | 5250               | 15.24                               | 15.22                               | 18.24                             | 24.00                   | -5.76                   |

**PSD Results**

| Channel | Frequency<br>(MHz) | Antenna 6<br>Meas<br>PSD<br>(dBm/1MHz) | Antenna 5<br>Meas<br>PSD<br>(dBm/1MHz) | Total<br>Corr'd<br>PSD<br>(dBm/1MHz) | PSD<br>Limit<br>(dBm/1MHz) | PSD<br>Margin<br>(dB) |
|---------|--------------------|----------------------------------------|----------------------------------------|--------------------------------------|----------------------------|-----------------------|
| Mid     | 5250               | -4.255                                 | -4.749                                 | -1.10                                | 11.00                      | -12.10                |



## 9.4.15. 802.11n HT20 MODE IN THE 5.6 GHz BAND

**1TX Antenna 6 MODE (FCC)**

|                |            |
|----------------|------------|
| Test Engineer: | 27979      |
| Test Date:     | 03/01/2023 |

**Bandwidth, Antenna Gain, and Limits**

| Channel | Frequency<br>(MHz) | Min<br>26dB BW<br>(MHz) | Directional<br>Gain<br>(dBi) | Power<br>Limit<br>(dBm) | PSD<br>Limit<br>(dBm/1MHz) |
|---------|--------------------|-------------------------|------------------------------|-------------------------|----------------------------|
| Low     | 5500               | 21.30                   | -4.50                        | 24.00                   | 11.00                      |
| Mid     | 5580               | 20.74                   | -4.50                        | 24.00                   | 11.00                      |
| High    | 5700               | 21.22                   | -4.50                        | 24.00                   | 11.00                      |
| 144     | 5720               | 15.47                   | -4.50                        | 22.89                   | 11.00                      |

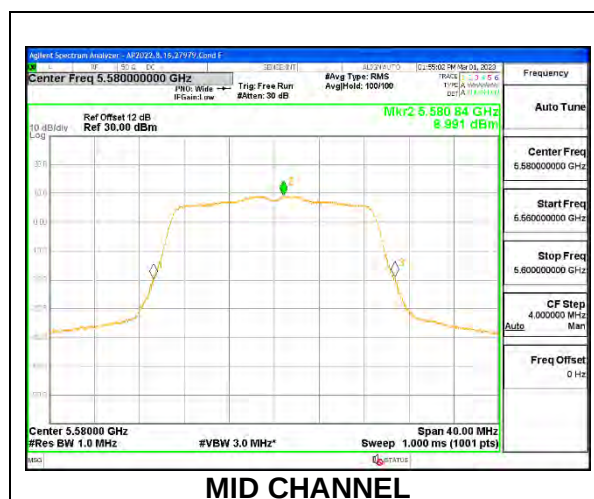
|                    |      |                                     |
|--------------------|------|-------------------------------------|
| Duty Cycle CF (dB) | 0.18 | Included in Calculations Corr'd PSD |
|--------------------|------|-------------------------------------|

**Output Power Results**

| Channel | Frequency<br>(MHz) | Antenna 6<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               | 18.52                               | 18.52                             | 24.00                   | -5.48                   |
| Mid     | 5580               | 19.19                               | 19.19                             | 24.00                   | -4.81                   |
| High    | 5700               | 18.71                               | 18.71                             | 24.00                   | -5.29                   |
| 144     | 5720               | 19.23                               | 19.23                             | 22.89                   | -3.66                   |

**PSD Results**

| Channel | Frequency<br>(MHz) | Antenna 6<br>Meas<br>PSD<br>(dBm/1MHz) | Total<br>Corr'd<br>PSD<br>(dBm/1MHz) | PSD<br>Limit<br>(dBm/1MHz) | PSD<br>Margin<br>(dB) |
|---------|--------------------|----------------------------------------|--------------------------------------|----------------------------|-----------------------|
| Low     | 5500               | 8.727                                  | 8.907                                | 11.00                      | -2.093                |
| Mid     | 5580               | 8.991                                  | 9.171                                | 11.00                      | -1.829                |
| High    | 5700               | 8.573                                  | 8.753                                | 11.00                      | -2.247                |
| 144     | 5720               | 9.289                                  | 9.469                                | 11.00                      | -1.531                |



**1TX Antenna 5 MODE (FCC)**

|                |            |
|----------------|------------|
| Test Engineer: | 27979      |
| Test Date:     | 03/01/2023 |

**Bandwidth, Antenna Gain, and Limits**

| Channel | Frequency<br>(MHz) | Min<br>26dB BW<br>(MHz) | Directional<br>Gain<br>(dBi) | Power<br>Limit<br>(dBm) | PSD<br>Limit<br>(dBm/1MHz) |
|---------|--------------------|-------------------------|------------------------------|-------------------------|----------------------------|
| Low     | 5500               | 22.27                   | -3.70                        | 24.00                   | 11.00                      |
| Mid     | 5580               | 20.81                   | -3.70                        | 24.00                   | 11.00                      |
| High    | 5700               | 22.36                   | -3.70                        | 24.00                   | 11.00                      |
| 144     | 5720               | 15.26                   | -3.70                        | 22.84                   | 11.00                      |

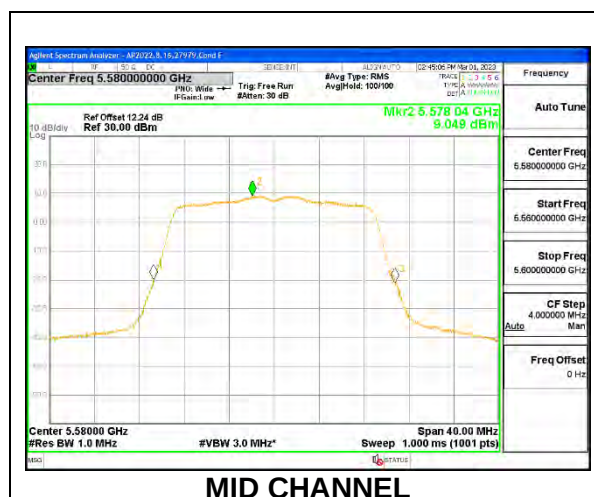
|                    |      |                                     |
|--------------------|------|-------------------------------------|
| Duty Cycle CF (dB) | 0.18 | Included in Calculations Corr'd PSD |
|--------------------|------|-------------------------------------|

**Output Power Results**

| Channel | Frequency<br>(MHz) | Antenna 5<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               | 18.49                               | 18.49                             | 24.00                   | -5.51                   |
| Mid     | 5580               | 19.17                               | 19.17                             | 24.00                   | -4.83                   |
| High    | 5700               | 18.70                               | 18.70                             | 24.00                   | -5.30                   |
| 144     | 5720               | 19.22                               | 19.22                             | 22.84                   | -3.62                   |

**PSD Results**

| Channel | Frequency<br>(MHz) | Antenna 5<br>Meas<br>PSD<br>(dBm/1MHz) | Total<br>Corr'd<br>PSD<br>(dBm/1MHz) | PSD<br>Limit<br>(dBm/1MHz) | PSD<br>Margin<br>(dB) |
|---------|--------------------|----------------------------------------|--------------------------------------|----------------------------|-----------------------|
| Low     | 5500               | 8.698                                  | 8.878                                | 11.00                      | -2.122                |
| Mid     | 5580               | 9.049                                  | 9.229                                | 11.00                      | -1.771                |
| High    | 5700               | 8.598                                  | 8.778                                | 11.00                      | -2.222                |
| 144     | 5720               | 9.176                                  | 9.356                                | 11.00                      | -1.644                |



**2TX Antenna 6 + Antenna 5 CDD MODE (FCC)**

|                |            |
|----------------|------------|
| Test Engineer: | 27979      |
| Test Date:     | 03/01/2023 |

**Bandwidth, Antenna Gain, and Limits**

| Channel | Frequency<br>(MHz) | Min<br>26dB BW<br>(MHz) | Directional<br>Gain<br>for Power<br>(dBi) | Directional<br>Gain<br>for PSD<br>(dBi) | Power<br>Limit<br>(dBm) | PSD<br>Limit<br>(dBm/1MHz) |
|---------|--------------------|-------------------------|-------------------------------------------|-----------------------------------------|-------------------------|----------------------------|
| Low     | 5500               | 21.50                   | -4.08                                     | -1.08                                   | 24.00                   | 11.00                      |
| Mid     | 5580               | 20.35                   | -4.08                                     | -1.08                                   | 24.00                   | 11.00                      |
| High    | 5700               | 20.91                   | -4.08                                     | -1.08                                   | 24.00                   | 11.00                      |
| 144     | 5720               | 15.35                   | -4.08                                     | -1.08                                   | 22.86                   | 11.00                      |

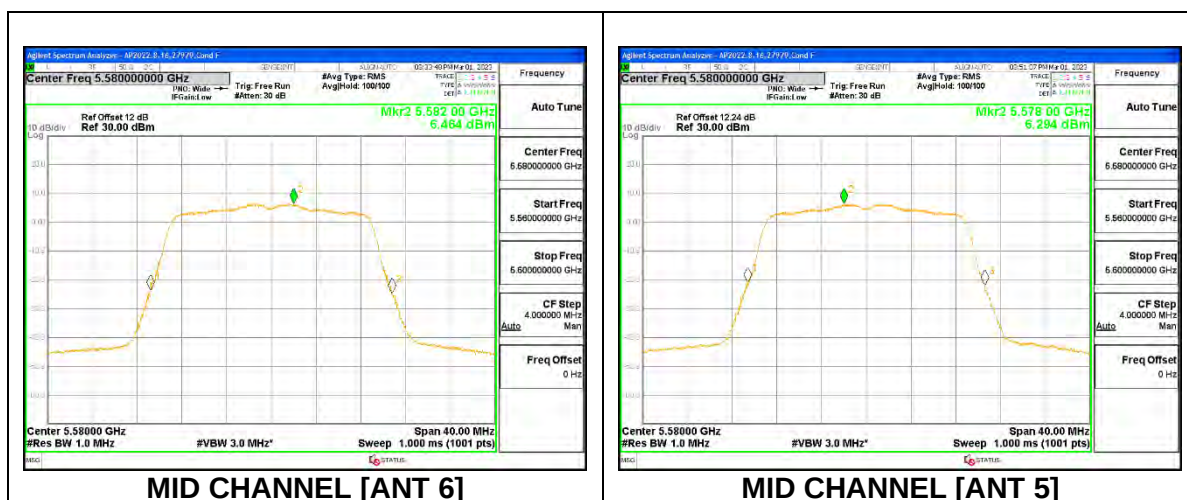
|                    |      |                                        |
|--------------------|------|----------------------------------------|
| Duty Cycle CF (dB) | 0.18 | Included in Calculations of Corr'd PSD |
|--------------------|------|----------------------------------------|

**Output Power Results**

| Channel | Frequency<br>(MHz) | Antenna 6<br>Meas<br>Power<br>(dBm) | Antenna 5<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               | 16.19                               | 16.21                               | 19.21                             | 24.00                   | -4.79                   |
| Mid     | 5580               | 16.20                               | 16.18                               | 19.20                             | 24.00                   | -4.80                   |
| High    | 5700               | 16.21                               | 16.22                               | 19.23                             | 24.00                   | -4.77                   |
| 144     | 5720               | 16.18                               | 16.23                               | 19.22                             | 22.86                   | -3.64                   |

**PSD Results**

| Channel | Frequency<br>(MHz) | Antenna 6<br>Meas<br>PSD<br>(dBm/1MHz) | Antenna 5<br>Meas<br>PSD<br>(dBm/1MHz) | Total<br>Corr'd<br>PSD<br>(dBm/1MHz) | PSD<br>Limit<br>(dBm/1MHz) | PSD<br>Margin<br>(dB) |
|---------|--------------------|----------------------------------------|----------------------------------------|--------------------------------------|----------------------------|-----------------------|
| Low     | 5500               | 6.246                                  | 6.469                                  | 9.549                                | 11.00                      | -1.451                |
| Mid     | 5580               | 6.464                                  | 6.294                                  | 9.570                                | 11.00                      | -1.430                |
| High    | 5700               | 6.351                                  | 6.456                                  | 9.594                                | 11.00                      | -1.406                |
| 144     | 5720               | 6.238                                  | 6.434                                  | 9.527                                | 11.00                      | -1.473                |



## 9.4.16. 802.11n HT40 MODE IN THE 5.6 GHz BAND

**1TX Antenna 6 MODE (FCC)**

|                |            |
|----------------|------------|
| Test Engineer: | 32213      |
| Test Date:     | 03/01/2023 |

**Bandwidth, Antenna Gain, and Limits**

| Channel | Frequency<br>(MHz) | Min<br>26dB BW<br>(MHz) | Directional<br>Gain<br>(dBi) | Power<br>Limit<br>(dBm) | PSD<br>Limit<br>(dBm/1MHz) |
|---------|--------------------|-------------------------|------------------------------|-------------------------|----------------------------|
| Low     | 5510               | 42.09                   | -4.50                        | 24.00                   | 11.00                      |
| Mid     | 5550               | 41.05                   | -4.50                        | 24.00                   | 11.00                      |
| High    | 5670               | 42.53                   | -4.50                        | 24.00                   | 11.00                      |
| 142     | 5710               | 40.84                   | -4.50                        | 24.00                   | 11.00                      |

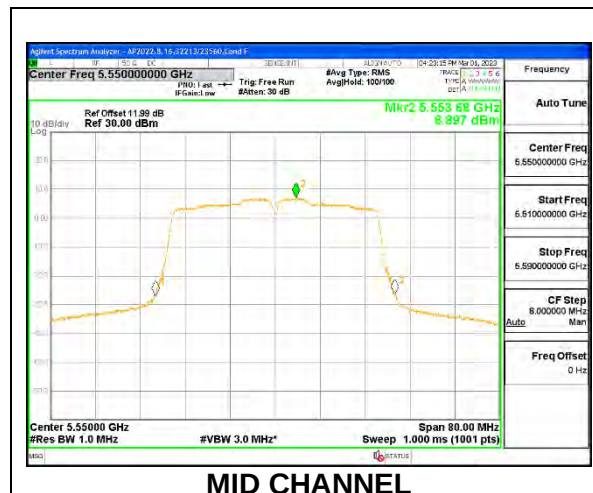
|                    |      |                                     |
|--------------------|------|-------------------------------------|
| Duty Cycle CF (dB) | 0.19 | Included in Calculations Corr'd PSD |
|--------------------|------|-------------------------------------|

**Output Power Results**

| Channel | Frequency<br>(MHz) | Antenna 6<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               | 16.72                               | 16.72                             | 24.00                   | -7.28                   |
| Mid     | 5550               | 20.21                               | 20.21                             | 24.00                   | -3.79                   |
| High    | 5670               | 19.20                               | 19.20                             | 24.00                   | -4.80                   |
| 142     | 5710               | 20.17                               | 20.17                             | 24.00                   | -3.83                   |

**PSD Results**

| Channel | Frequency<br>(MHz) | Antenna 6<br>Meas<br>PSD<br>(dBm/1MHz) | Total<br>Corr'd<br>PSD<br>(dBm/1MHz) | PSD<br>Limit<br>(dBm/1MHz) | PSD<br>Margin<br>(dB) |
|---------|--------------------|----------------------------------------|--------------------------------------|----------------------------|-----------------------|
| Low     | 5510               | 4.001                                  | 4.191                                | 11.00                      | -6.809                |
| Mid     | 5550               | 6.897                                  | 7.087                                | 11.00                      | -3.913                |
| High    | 5670               | 5.916                                  | 6.106                                | 11.00                      | -4.894                |
| 142     | 5710               | 6.939                                  | 7.129                                | 11.00                      | -3.871                |



**1TX Antenna 5 MODE (FCC)**

|                |            |
|----------------|------------|
| Test Engineer: | 32213      |
| Test Date:     | 03/01/2023 |

**Bandwidth, Antenna Gain, and Limits**

| Channel | Frequency<br>(MHz) | Min<br>26dB BW<br>(MHz) | Directional<br>Gain<br>(dBi) | Power<br>Limit<br>(dBm) | PSD<br>Limit<br>(dBm/1MHz) |
|---------|--------------------|-------------------------|------------------------------|-------------------------|----------------------------|
| Low     | 5510               | 41.48                   | -3.70                        | 24.00                   | 11.00                      |
| Mid     | 5550               | 40.94                   | -3.70                        | 24.00                   | 11.00                      |
| High    | 5670               | 40.76                   | -3.70                        | 24.00                   | 11.00                      |
| 142     | 5710               | 40.67                   | -3.70                        | 24.00                   | 11.00                      |

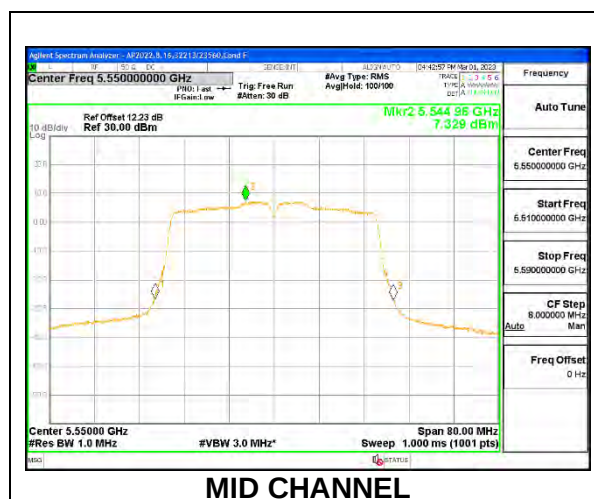
|                    |      |                                     |
|--------------------|------|-------------------------------------|
| Duty Cycle CF (dB) | 0.19 | Included in Calculations Corr'd PSD |
|--------------------|------|-------------------------------------|

**Output Power Results**

| Channel | Frequency<br>(MHz) | Antenna 5<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               | 16.67                               | 16.67                             | 24.00                   | -7.33                   |
| Mid     | 5550               | 20.20                               | 20.20                             | 24.00                   | -3.80                   |
| High    | 5670               | 19.18                               | 19.18                             | 24.00                   | -4.82                   |
| 142     | 5710               | 20.16                               | 20.16                             | 24.00                   | -3.84                   |

**PSD Results**

| Channel | Frequency<br>(MHz) | Antenna 5<br>Meas<br>PSD<br>(dBm/1MHz) | Total<br>Corr'd<br>PSD<br>(dBm/1MHz) | PSD<br>Limit<br>(dBm/1MHz) | PSD<br>Margin<br>(dB) |
|---------|--------------------|----------------------------------------|--------------------------------------|----------------------------|-----------------------|
| Low     | 5510               | 3.679                                  | 3.869                                | 11.00                      | -7.131                |
| Mid     | 5550               | 7.329                                  | 7.519                                | 11.00                      | -3.481                |
| High    | 5670               | 5.627                                  | 5.817                                | 11.00                      | -5.183                |
| 142     | 5710               | 7.021                                  | 7.211                                | 11.00                      | -3.789                |



**2TX Antenna 6 + Antenna 5 CDD MODE (FCC)**

|                |            |
|----------------|------------|
| Test Engineer: | 32213      |
| Test Date:     | 03/01/2023 |

**Bandwidth, Antenna Gain, and Limits**

| Channel | Frequency<br>(MHz) | Min<br>26dB BW<br>(MHz) | Directional<br>Gain<br>for Power<br>(dBi) | Directional<br>Gain<br>for PSD<br>(dBi) | Power<br>Limit<br>(dBm) | PSD<br>Limit<br>(dBm/1MHz) |
|---------|--------------------|-------------------------|-------------------------------------------|-----------------------------------------|-------------------------|----------------------------|
| Low     | 5510               | 40.82                   | -4.08                                     | -1.08                                   | 24.00                   | 11.00                      |
| Mid     | 5550               | 40.50                   | -4.08                                     | -1.08                                   | 24.00                   | 11.00                      |
| High    | 5670               | 41.71                   | -4.08                                     | -1.08                                   | 24.00                   | 11.00                      |
| 142     | 5710               | 39.96                   | -4.08                                     | -1.08                                   | 24.00                   | 11.00                      |

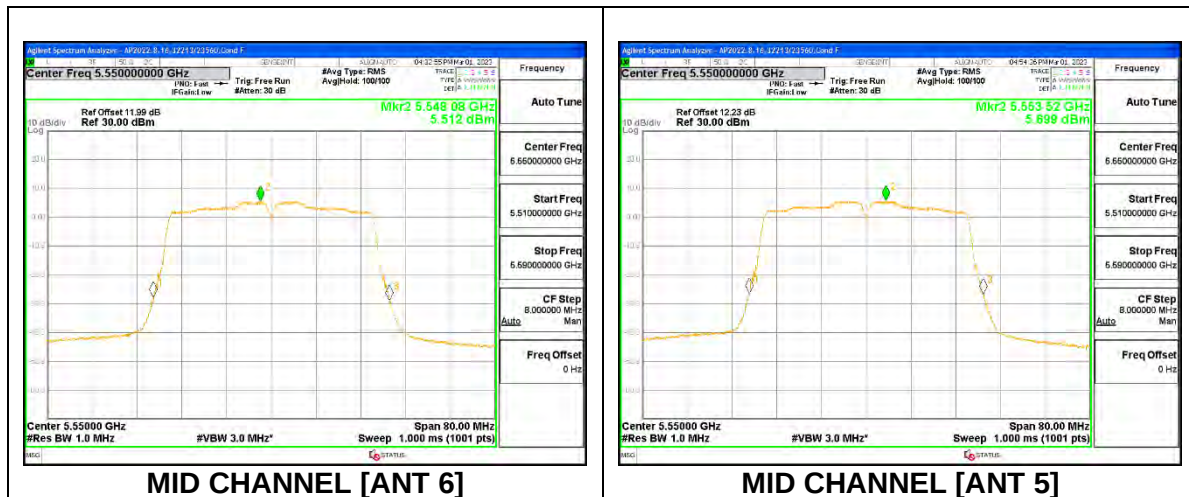
|                    |      |                                                |
|--------------------|------|------------------------------------------------|
| Duty Cycle CF (dB) | 0.19 | Included in Calculations of Corr'd Power & PSD |
|--------------------|------|------------------------------------------------|

**Output Power Results**

| Channel | Frequency<br>(MHz) | Antenna 6<br>Meas<br>Power<br>(dBm) | Antenna 5<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               | 15.73                               | 15.74                               | 18.75                             | 24.00                   | -5.25                   |
| Mid     | 5550               | 18.70                               | 18.75                               | 21.74                             | 24.00                   | -2.26                   |
| High    | 5670               | 18.66                               | 18.64                               | 21.66                             | 24.00                   | -2.34                   |
| 142     | 5710               | 18.69                               | 18.72                               | 21.72                             | 24.00                   | -2.28                   |

**PSD Results**

| Channel | Frequency<br>(MHz) | Antenna 6<br>Meas<br>PSD<br>(dBm/1MHz) | Antenna 5<br>Meas<br>PSD<br>(dBm/1MHz) | Total<br>Corr'd<br>PSD<br>(dBm/1MHz) | PSD<br>Limit<br>(dBm/ 1MHz) | PSD<br>Margin<br>(dB) |
|---------|--------------------|----------------------------------------|----------------------------------------|--------------------------------------|-----------------------------|-----------------------|
| Low     | 5510               | 3.695                                  | 3.720                                  | 6.908                                | 11.00                       | -4.09                 |
| Mid     | 5550               | 5.512                                  | 5.699                                  | 8.807                                | 11.00                       | -2.19                 |
| High    | 5670               | 5.366                                  | 5.094                                  | 8.432                                | 11.00                       | -2.57                 |
| 142     | 5710               | 5.407                                  | 5.591                                  | 8.700                                | 11.00                       | -2.30                 |



## 9.4.17. 802.11ac VHT80 MODE IN THE 5.6 GHz BAND

**1TX Antenna 6 MODE (FCC)**

|                |            |
|----------------|------------|
| Test Engineer: | 32213      |
| Test Date:     | 03/01/2023 |

**Bandwidth, Antenna Gain, and Limits**

| Channel | Frequency<br>(MHz) | Min<br>26dB BW<br>(MHz) | Directional<br>Gain<br>(dBi) | Power<br>Limit<br>(dBm) | PSD<br>Limit<br>(dBm/1MHz) |
|---------|--------------------|-------------------------|------------------------------|-------------------------|----------------------------|
| Low     | 5530               | 83.43                   | -4.50                        | 24.00                   | 11.00                      |
| High    | 5610               | 81.07                   | -4.50                        | 24.00                   | 11.00                      |
| 138     | 5690               | 79.90                   | -4.50                        | 24.00                   | 11.00                      |

|                    |      |                                     |
|--------------------|------|-------------------------------------|
| Duty Cycle CF (dB) | 0.37 | Included in Calculations Corr'd PSD |
|--------------------|------|-------------------------------------|

**Output Power Results**

| Channel | Frequency<br>(MHz) | Antenna 6<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     | 5530               | 15.68                               | 15.68                             | 24.00                   | -8.32                   |
| High    | 5610               | 20.19                               | 20.19                             | 24.00                   | -3.81                   |
| 138     | 5690               | 20.24                               | 20.24                             | 24.00                   | -3.76                   |

**PSD Results**

| Channel | Frequency<br>(MHz) | Antenna 6<br>Meas<br>PSD<br>(dBm/1MHz) | Total<br>Corr'd<br>PSD<br>(dBm/1MHz) | PSD<br>Limit<br>(dBm/1MHz) | PSD<br>Margin<br>(dB) |
|---------|--------------------|----------------------------------------|--------------------------------------|----------------------------|-----------------------|
| Low     | 5530               | -0.589                                 | -0.219                               | 11.00                      | -11.219               |
| High    | 5610               | 3.819                                  | 4.189                                | 11.00                      | -6.811                |
| 138     | 5690               | 4.418                                  | 4.788                                | 11.00                      | -6.212                |



**1TX Antenna 5 MODE (FCC)**

|                |            |
|----------------|------------|
| Test Engineer: | 32213      |
| Test Date:     | 03/01/2023 |

**Bandwidth, Antenna Gain, and Limits**

| Channel | Frequency<br>(MHz) | Min<br>26dB BW<br>(MHz) | Directional<br>Gain<br>(dBi) | Power<br>Limit<br>(dBm) | PSD<br>Limit<br>(dBm/1MHz) |
|---------|--------------------|-------------------------|------------------------------|-------------------------|----------------------------|
| Low     | 5530               | 84.66                   | -3.70                        | 24.00                   | 11.00                      |
| High    | 5610               | 83.73                   | -3.70                        | 24.00                   | 11.00                      |
| 138     | 5690               | 80.78                   | -3.70                        | 24.00                   | 11.00                      |

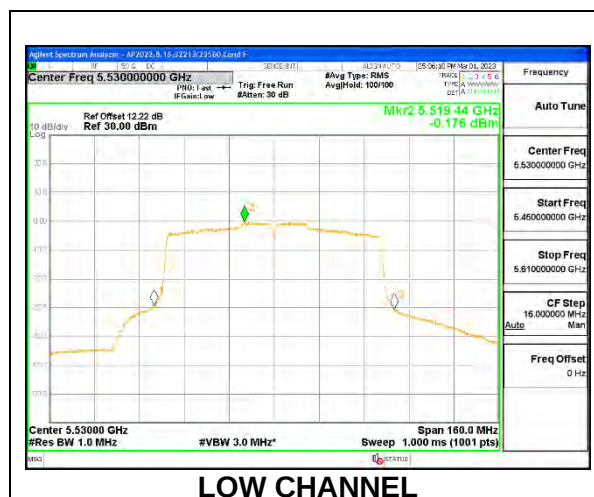
|                    |      |                                     |
|--------------------|------|-------------------------------------|
| Duty Cycle CF (dB) | 0.37 | Included in Calculations Corr'd PSD |
|--------------------|------|-------------------------------------|

**Output Power Results**

| Channel | Frequency<br>(MHz) | Antenna 5<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     | 5530               | 15.74                               | 15.74                             | 24.00                   | -8.26                   |
| High    | 5610               | 20.17                               | 20.17                             | 24.00                   | -3.83                   |
| 138     | 5690               | 20.22                               | 20.22                             | 24.00                   | -3.78                   |

**PSD Results**

| Channel | Frequency<br>(MHz) | Antenna 5<br>Meas<br>PSD<br>(dBm/1MHz) | Total<br>Corr'd<br>PSD<br>(dBm/1MHz) | PSD<br>Limit<br>(dBm/1MHz) | PSD<br>Margin<br>(dB) |
|---------|--------------------|----------------------------------------|--------------------------------------|----------------------------|-----------------------|
| Low     | 5530               | -0.176                                 | 0.197                                | 11.00                      | -10.803               |
| High    | 5610               | 3.879                                  | 4.252                                | 11.00                      | -6.748                |
| 138     | 5690               | 4.172                                  | 4.545                                | 11.00                      | -6.455                |



**2TX Antenna 6 + Antenna 5 CDD MODE (FCC)**

|                |            |
|----------------|------------|
| Test Engineer: | 32213      |
| Test Date:     | 03/01/2023 |

**Bandwidth, Antenna Gain, and Limits**

| Channel | Frequency<br>(MHz) | Min<br>26dB BW<br>(MHz) | Directional<br>Gain<br>for Power<br>(dBi) | Directional<br>Gain<br>for PSD<br>(dBi) | Power<br>Limit<br>(dBm) | PSD<br>Limit<br>(dBm/1MHz) |
|---------|--------------------|-------------------------|-------------------------------------------|-----------------------------------------|-------------------------|----------------------------|
| Low     | 5530               | 81.39                   | -4.08                                     | -1.08                                   | 24.00                   | 11.00                      |
| High    | 5610               | 81.73                   | -4.08                                     | -1.08                                   | 24.00                   | 11.00                      |
| 138     | 5690               | 80.11                   | -4.08                                     | -1.08                                   | 24.00                   | 11.00                      |

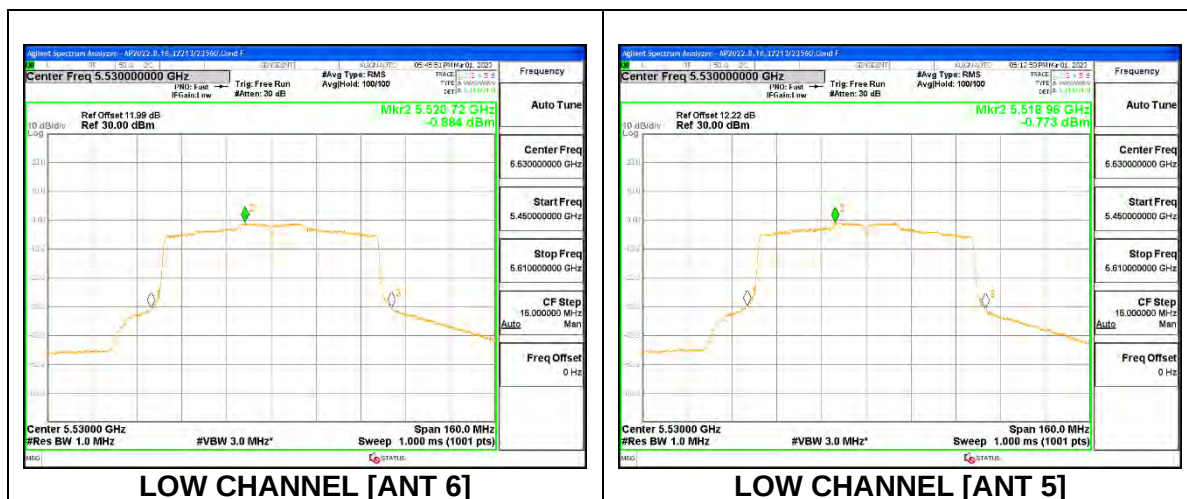
|                    |      |                                        |
|--------------------|------|----------------------------------------|
| Duty Cycle CF (dB) | 0.37 | Included in Calculations of Corr'd PSD |
|--------------------|------|----------------------------------------|

**Output Power Results**

| Channel | Frequency<br>(MHz) | Antenna 6<br>Meas<br>Power<br>(dBm) | Antenna 5<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     | 5530               | 14.98                               | 15.00                               | 18.00                             | 24.00                   | -6.00                   |
| High    | 5610               | 19.69                               | 19.66                               | 22.69                             | 24.00                   | -1.31                   |
| 138     | 5690               | 19.74                               | 19.69                               | 22.73                             | 24.00                   | -1.27                   |

**PSD Results**

| Channel | Frequency<br>(MHz) | Antenna 6<br>Meas<br>PSD<br>(dBm/1MHz) | Antenna 5<br>Meas<br>PSD<br>(dBm/1MHz) | Total<br>Corr'd<br>PSD<br>(dBm/1MHz) | PSD<br>Limit<br>(dBm/1MHz) | PSD<br>Margin<br>(dB) |
|---------|--------------------|----------------------------------------|----------------------------------------|--------------------------------------|----------------------------|-----------------------|
| Low     | 5530               | -0.884                                 | -0.773                                 | 2.552                                | 11.00                      | -8.448                |
| High    | 5610               | 3.530                                  | 3.240                                  | 6.768                                | 11.00                      | -4.232                |
| 138     | 5690               | 3.928                                  | 3.365                                  | 7.036                                | 11.00                      | -3.964                |



## 9.4.18. 802.11ac VHT160 MODE IN THE 5.6 GHz BAND

**1TX Antenna 6 MODE (FCC)**

|                |            |
|----------------|------------|
| Test Engineer: | 32181      |
| Test Date:     | 08/08/2023 |

**Bandwidth, Antenna Gain, and Limits**

| Channel | Frequency<br>(MHz) | Min<br>26dB BW<br>(MHz) | Directional<br>Gain<br>(dBi) | Power<br>Limit<br>(dBm) | PSD<br>Limit<br>(dBm/1MHz) |
|---------|--------------------|-------------------------|------------------------------|-------------------------|----------------------------|
| Mid     | 5570               | 163.50                  | -4.50                        | 24.00                   | 11.00                      |

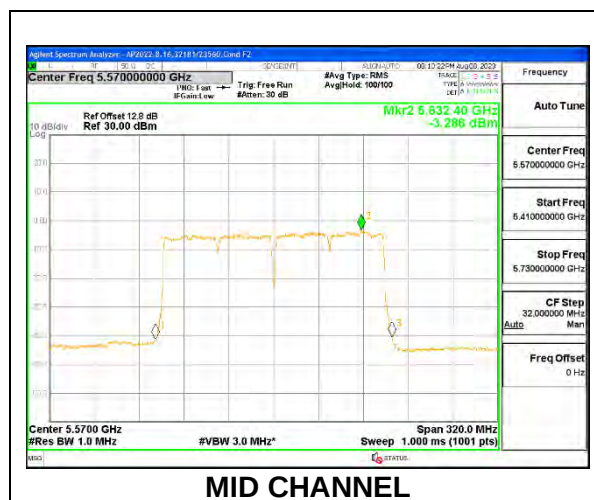
|                    |      |                                        |
|--------------------|------|----------------------------------------|
| Duty Cycle CF (dB) | 0.00 | Included in Calculations of Corr'd PSD |
|--------------------|------|----------------------------------------|

**Output Power Results**

| Channel | Frequency<br>(MHz) | Antenna 6<br>Meas<br>Power<br>(dBm) | Total<br>Corr'd<br>Power<br>(dBm) | Power<br>Limit<br>(dBm) | Power<br>Margin<br>(dB) |
|---------|--------------------|-------------------------------------|-----------------------------------|-------------------------|-------------------------|
| Mid     | 5570               | 15.72                               | 15.72                             | 24.00                   | -8.28                   |

**PSD Results**

| Channel | Frequency<br>(MHz) | Antenna 6<br>Meas<br>PSD<br>(dBm/1MHz) | Total<br>Corr'd<br>PSD<br>(dBm/1MHz) | PSD<br>Limit<br>(dBm/1MHz) | PSD<br>Margin<br>(dB) |
|---------|--------------------|----------------------------------------|--------------------------------------|----------------------------|-----------------------|
| Mid     | 5570               | -3.286                                 | -3.286                               | 11.00                      | -14.286               |



**1TX Antenna 5 MODE (FCC)**

|                |            |
|----------------|------------|
| Test Engineer: | 32181      |
| Test Date:     | 08/08/2023 |

**Bandwidth, Antenna Gain, and Limits**

| Channel | Frequency<br>(MHz) | Min<br>26dB BW<br>(MHz) | Directional<br>Gain<br>(dBi) | Power<br>Limit<br>(dBm) | PSD<br>Limit<br>(dBm/1MHz) |
|---------|--------------------|-------------------------|------------------------------|-------------------------|----------------------------|
| Mid     | 5570               | 163.30                  | -3.70                        | 24.00                   | 11.00                      |

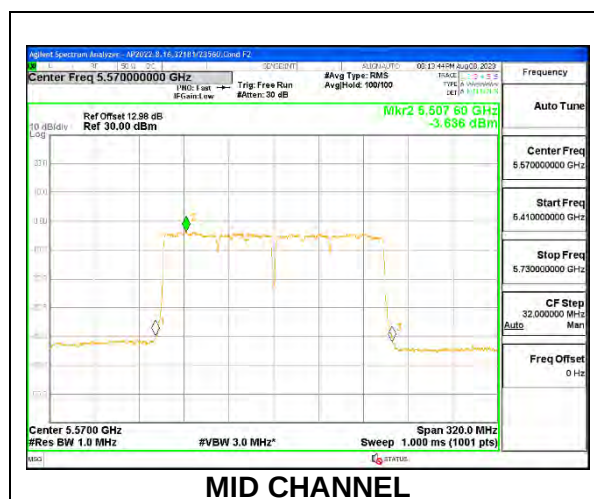
|                    |      |                                        |
|--------------------|------|----------------------------------------|
| Duty Cycle CF (dB) | 0.00 | Included in Calculations of Corr'd PSD |
|--------------------|------|----------------------------------------|

**Output Power Results**

| Channel | Frequency<br>(MHz) | Antenna 5<br>Meas<br>Power<br>(dBm) | Total<br>Corr'd<br>Power<br>(dBm) | Power<br>Limit<br>(dBm) | Power<br>Margin<br>(dB) |
|---------|--------------------|-------------------------------------|-----------------------------------|-------------------------|-------------------------|
| Mid     | 5570               | 15.71                               | 15.71                             | 24.00                   | -8.29                   |

**PSD Results**

| Channel | Frequency<br>(MHz) | Antenna 5<br>Meas<br>PSD<br>(dBm/1MHz) | Total<br>Corr'd<br>PSD<br>(dBm/1MHz) | PSD<br>Limit<br>(dBm/1MHz) | PSD<br>Margin<br>(dB) |
|---------|--------------------|----------------------------------------|--------------------------------------|----------------------------|-----------------------|
| Mid     | 5570               | -3.636                                 | -3.636                               | 11.00                      | -14.636               |



**2TX Antenna 6 + Antenna 5 CDD MODE (FCC)**

|                |            |
|----------------|------------|
| Test Engineer: | 27979      |
| Test Date:     | 03/06/2023 |

**Bandwidth, Antenna Gain, and Limits**

| Channel | Frequency<br>(MHz) | Min<br>26dB BW<br>(MHz) | Directional<br>Gain<br>for Power<br>(dBi) | Directional<br>Gain<br>for PSD<br>(dBi) | Power<br>Limit<br>(dBm) | PSD<br>Limit<br>(dBm/1MHz) |
|---------|--------------------|-------------------------|-------------------------------------------|-----------------------------------------|-------------------------|----------------------------|
| Mid     | 5570               | 162.90                  | -4.08                                     | -1.08                                   | 24.00                   | 11.00                      |

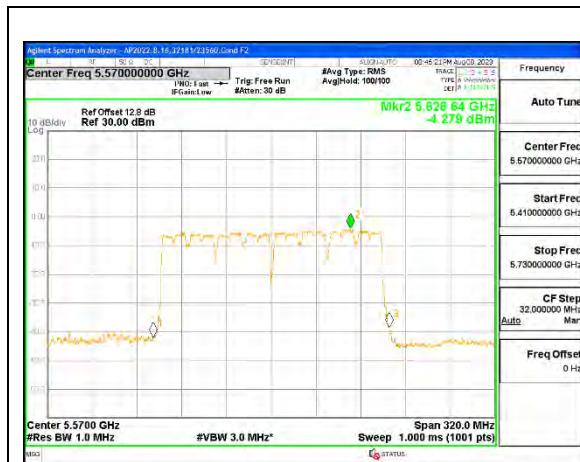
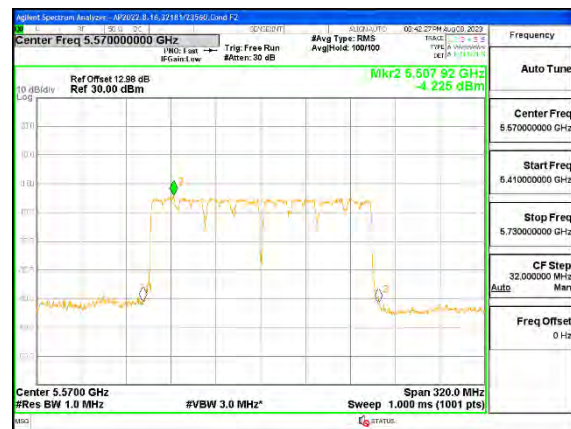
|                    |      |                                        |
|--------------------|------|----------------------------------------|
| Duty Cycle CF (dB) | 0.00 | Included in Calculations of Corr'd PSD |
|--------------------|------|----------------------------------------|

**Output Power Results**

| Channel | Frequency<br>(MHz) | Antenna 6<br>Meas<br>Power<br>(dBm) | Antenna 5<br>Meas<br>Power<br>(dBm) | Total<br>Corr'd<br>Power<br>(dBm) | Power<br>Limit<br>(dBm) | Power<br>Margin<br>(dB) |
|---------|--------------------|-------------------------------------|-------------------------------------|-----------------------------------|-------------------------|-------------------------|
| Mid     | 5570               | 15.20                               | 15.21                               | 18.22                             | 24.00                   | -5.78                   |

**PSD Results**

| Channel | Frequency<br>(MHz) | Antenna 6<br>Meas<br>PSD<br>(dBm/1MHz) | Antenna 5<br>Meas<br>PSD<br>(dBm/1MHz) | Total<br>Corr'd<br>PSD<br>(dBm/1MHz) | PSD<br>Limit<br>(dBm/1MHz) | PSD<br>Margin<br>(dB) |
|---------|--------------------|----------------------------------------|----------------------------------------|--------------------------------------|----------------------------|-----------------------|
| Mid     | 5570               | -4.279                                 | -4.225                                 | -1.242                               | 11.00                      | -12.242               |

**MID CHANNEL [ANT 6]****MID CHANNEL [ANT 5]**

## 9.4.19. 802.11ax HE20 MODE IN THE 5.6 GHz BAND

**1TX Antenna 6 MODE (FCC): 106-Tone, RU Index 53**

|                       |            |
|-----------------------|------------|
| <b>Test Engineer:</b> | 26118      |
| <b>Test Date:</b>     | 06/16/2023 |

**Bandwidth, Antenna Gain, and Limits**

| Channel | Frequency<br>(MHz) | Min<br>26dB BW<br>(MHz) | Directional<br>Gain<br>(dBi) | Power<br>Limit<br>(dBm) | PSD<br>Limit<br>(dBm/1MHz) |
|---------|--------------------|-------------------------|------------------------------|-------------------------|----------------------------|
| Low     | 5500               | 20.32                   | -4.50                        | 24.00                   | 11.00                      |
| Mid     | 5580               | 20.53                   | -4.50                        | 24.00                   | 11.00                      |
| High    | 5700               | 20.42                   | -4.50                        | 24.00                   | 11.00                      |
| 144     | 5720               | 15.20                   | -4.50                        | 22.82                   | 11.00                      |

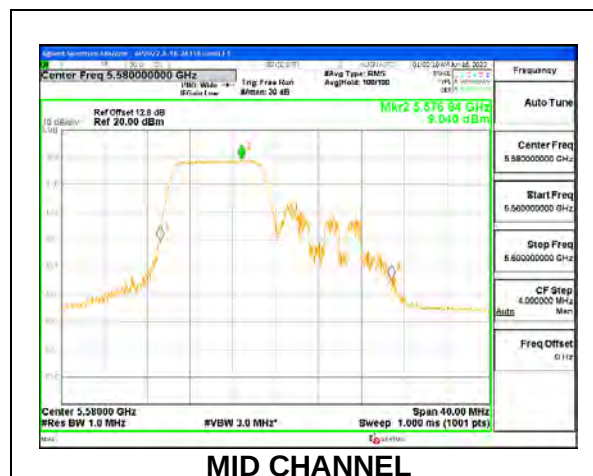
|                           |      |                                            |
|---------------------------|------|--------------------------------------------|
| <b>Duty Cycle CF (dB)</b> | 0.00 | <b>Included in Calculations Corr'd PSD</b> |
|---------------------------|------|--------------------------------------------|

**Output Power Results**

| Channel | Frequency<br>(MHz) | Antenna 6<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               | 17.22                               | 17.22                             | 24.00                   | -6.78                   |
| Mid     | 5580               | 17.19                               | 17.19                             | 24.00                   | -6.81                   |
| High    | 5700               | 17.21                               | 17.21                             | 24.00                   | -6.79                   |
| 144     | 5720               | 17.23                               | 17.23                             | 22.82                   | -5.59                   |

**PSD Results**

| Channel | Frequency<br>(MHz) | Antenna 6<br>Meas<br>PSD<br>(dBm/1MHz) | Total<br>Corr'd<br>PSD<br>(dBm/1MHz) | PSD<br>Limit<br>(dBm/1MHz) | PSD<br>Margin<br>(dB) |
|---------|--------------------|----------------------------------------|--------------------------------------|----------------------------|-----------------------|
| Low     | 5500               | 9.226                                  | 9.226                                | 11.00                      | -1.774                |
| Mid     | 5580               | 9.040                                  | 9.040                                | 11.00                      | -1.960                |
| High    | 5700               | 9.005                                  | 9.005                                | 11.00                      | -1.995                |
| 144     | 5720               | 9.115                                  | 9.115                                | 11.00                      | -1.885                |



**1TX Antenna 6 MODE (FCC): 106-Tone, RU Index 54**

|                |            |
|----------------|------------|
| Test Engineer: | 26118      |
| Test Date:     | 06/16/2023 |

**Bandwidth, Antenna Gain, and Limits**

| Channel | Frequency<br>(MHz) | Min<br>26dB BW<br>(MHz) | Directional<br>Gain<br>(dBi) | Power<br>Limit<br>(dBm) | PSD<br>Limit<br>(dBm/1MHz) |
|---------|--------------------|-------------------------|------------------------------|-------------------------|----------------------------|
| Low     | 5500               | 20.93                   | -4.50                        | 24.00                   | 11.00                      |
| Mid     | 5580               | 20.46                   | -4.50                        | 24.00                   | 11.00                      |
| High    | 5700               | 20.60                   | -4.50                        | 24.00                   | 11.00                      |
| 144     | 5720               | 15.39                   | -4.50                        | 22.87                   | 11.00                      |

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

**Output Power Results**

| Channel | Frequency<br>(MHz) | Antenna 6<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               | 17.24                               | 17.24                             | 24.00                   | -6.76                   |
| Mid     | 5580               | 17.23                               | 17.23                             | 24.00                   | -6.77                   |
| High    | 5700               | 17.20                               | 17.20                             | 24.00                   | -6.80                   |
| 144     | 5720               | 17.25                               | 17.25                             | 22.87                   | -5.62                   |

**PSD Results**

| Channel | Frequency<br>(MHz) | Antenna 6<br>Meas<br>PSD<br>(dBm/1MHz) | Total<br>Corr'd<br>PSD<br>(dBm/1MHz) | PSD<br>Limit<br>(dBm/1MHz) | PSD<br>Margin<br>(dB) |
|---------|--------------------|----------------------------------------|--------------------------------------|----------------------------|-----------------------|
| Low     | 5500               | 9.181                                  | 9.181                                | 11.00                      | -1.819                |
| Mid     | 5580               | 9.176                                  | 9.176                                | 11.00                      | -1.824                |
| High    | 5700               | 9.094                                  | 9.094                                | 11.00                      | -1.906                |
| 144     | 5720               | 9.660                                  | 9.660                                | 11.00                      | -1.340                |



**1TX Antenna 6 MODE (FCC): SU, Single User**

|                |            |
|----------------|------------|
| Test Engineer: | 32213      |
| Test Date:     | 06/06/2023 |

**Bandwidth, Antenna Gain, and Limits**

| Channel | Frequency<br>(MHz) | Min<br>26dB BW<br>(MHz) | Directional<br>Gain<br>(dBi) | Power<br>Limit<br>(dBm) | PSD<br>Limit<br>(dBm/1MHz) |
|---------|--------------------|-------------------------|------------------------------|-------------------------|----------------------------|
| Low     | 5500               | 20.66                   | -4.50                        | 24.00                   | 11.00                      |
| Mid     | 5580               | 20.68                   | -4.50                        | 24.00                   | 11.00                      |
| High    | 5700               | 21.7                    | -4.50                        | 24.00                   | 11.00                      |
| 144     | 5720               | 15.31                   | -4.50                        | 22.85                   | 11.00                      |

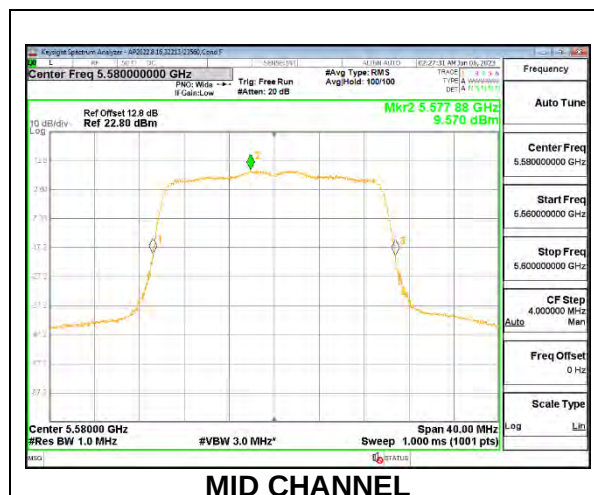
|                    |      |                                     |
|--------------------|------|-------------------------------------|
| Duty Cycle CF (dB) | 0.00 | Included in Calculations Corr'd PSD |
|--------------------|------|-------------------------------------|

**Output Power Results**

| Channel | Frequency<br>(MHz) | Antenna 6<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               | 18.19                               | 18.19                             | 24.00                   | -5.81                   |
| Mid     | 5580               | 19.20                               | 19.20                             | 24.00                   | -4.80                   |
| High    | 5700               | 16.66                               | 16.66                             | 24.00                   | -7.34                   |
| 144     | 5720               | 19.17                               | 19.17                             | 22.85                   | -3.68                   |

**PSD Results**

| Channel | Frequency<br>(MHz) | Antenna 6<br>Meas<br>PSD<br>(dBm/1MHz) | Total<br>Corr'd<br>PSD<br>(dBm/1MHz) | PSD<br>Limit<br>(dBm/1MHz) | PSD<br>Margin<br>(dB) |
|---------|--------------------|----------------------------------------|--------------------------------------|----------------------------|-----------------------|
| Low     | 5500               | 7.856                                  | 7.856                                | 11.00                      | -3.144                |
| Mid     | 5580               | 9.570                                  | 9.570                                | 11.00                      | -1.430                |
| High    | 5700               | 6.752                                  | 6.752                                | 11.00                      | -4.248                |
| 144     | 5720               | 9.131                                  | 9.131                                | 11.00                      | -1.869                |



**1TX Antenna 5 MODE (FCC): 106-Tone, RU Index 53**

|                |            |
|----------------|------------|
| Test Engineer: | 26118      |
| Test Date:     | 06/15/2023 |

**Bandwidth, Antenna Gain, and Limits**

| Channel | Frequency<br>(MHz) | Min<br>26dB BW<br>(MHz) | Directional<br>Gain<br>(dBi) | Power<br>Limit<br>(dBm) | PSD<br>Limit<br>(dBm/1MHz) |
|---------|--------------------|-------------------------|------------------------------|-------------------------|----------------------------|
| Low     | 5500               | 20.28                   | -3.70                        | 24.00                   | 11.00                      |
| Mid     | 5580               | 20.29                   | -3.70                        | 24.00                   | 11.00                      |
| High    | 5700               | 20.36                   | -3.70                        | 24.00                   | 11.00                      |
| 144     | 5720               | 15.14                   | -3.70                        | 22.80                   | 11.00                      |

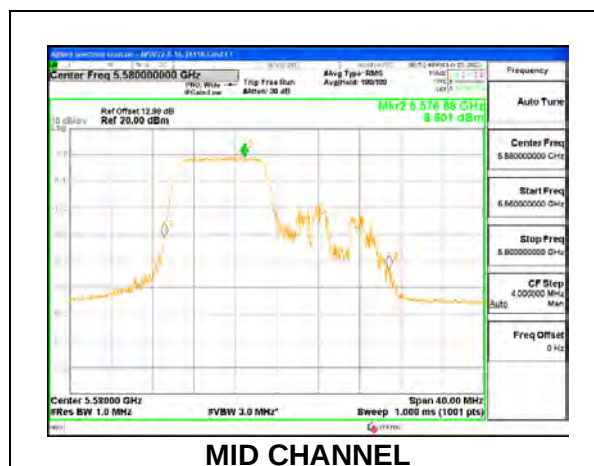
|                    |      |                                     |
|--------------------|------|-------------------------------------|
| Duty Cycle CF (dB) | 0.00 | Included in Calculations Corr'd PSD |
|--------------------|------|-------------------------------------|

**Output Power Results**

| Channel | Frequency<br>(MHz) | Antenna 5<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               | 17.22                               | 17.22                             | 24.00                   | -6.78                   |
| Mid     | 5580               | 17.20                               | 17.20                             | 24.00                   | -6.80                   |
| High    | 5700               | 17.21                               | 17.21                             | 24.00                   | -6.79                   |
| 144     | 5720               | 17.24                               | 17.24                             | 22.80                   | -5.56                   |

**PSD Results**

| Channel | Frequency<br>(MHz) | Antenna 5<br>Meas<br>PSD<br>(dBm/1MHz) | Total<br>Corr'd<br>PSD<br>(dBm/1MHz) | PSD<br>Limit<br>(dBm/1MHz) | PSD<br>Margin<br>(dB) |
|---------|--------------------|----------------------------------------|--------------------------------------|----------------------------|-----------------------|
| Low     | 5500               | 9.155                                  | 9.155                                | 11.00                      | -1.845                |
| Mid     | 5580               | 8.901                                  | 8.901                                | 11.00                      | -2.099                |
| High    | 5700               | 8.971                                  | 8.971                                | 11.00                      | -2.029                |
| 144     | 5720               | 9.392                                  | 9.392                                | 11.00                      | -1.608                |



**1TX Antenna 5 MODE (FCC): 106-Tone, RU Index 54**

|                |            |
|----------------|------------|
| Test Engineer: | 26118      |
| Test Date:     | 06/15/2023 |

**Bandwidth, Antenna Gain, and Limits**

| Channel | Frequency<br>(MHz) | Min<br>26dB BW<br>(MHz) | Directional<br>Gain<br>(dBi) | Power<br>Limit<br>(dBm) | PSD<br>Limit<br>(dBm/1MHz) |
|---------|--------------------|-------------------------|------------------------------|-------------------------|----------------------------|
| Low     | 5500               | 21.13                   | -3.70                        | 24.00                   | 11.00                      |
| Mid     | 5580               | 20.52                   | -3.70                        | 24.00                   | 11.00                      |
| High    | 5700               | 20.62                   | -3.70                        | 24.00                   | 11.00                      |
| 144     | 5720               | 15.34                   | -3.70                        | 22.86                   | 11.00                      |

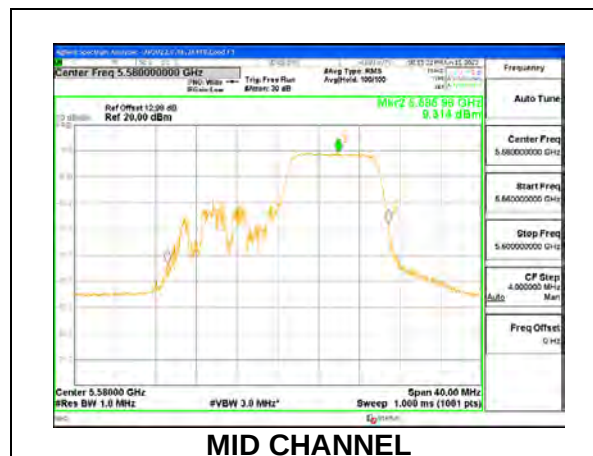
|                    |      |                                     |
|--------------------|------|-------------------------------------|
| Duty Cycle CF (dB) | 0.00 | Included in Calculations Corr'd PSD |
|--------------------|------|-------------------------------------|

**Output Power Results**

| Channel | Frequency<br>(MHz) | Antenna 5<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               | 17.23                               | 17.23                             | 24.00                   | -6.77                   |
| Mid     | 5580               | 17.22                               | 17.22                             | 24.00                   | -6.78                   |
| High    | 5700               | 17.24                               | 17.24                             | 24.00                   | -6.76                   |
| 144     | 5720               | 17.25                               | 17.25                             | 22.86                   | -5.61                   |

**PSD Results**

| Channel | Frequency<br>(MHz) | Antenna 5<br>Meas<br>PSD<br>(dBm/1MHz) | Total<br>Corr'd<br>PSD<br>(dBm/1MHz) | PSD<br>Limit<br>(dBm/1MHz) | PSD<br>Margin<br>(dB) |
|---------|--------------------|----------------------------------------|--------------------------------------|----------------------------|-----------------------|
| Low     | 5500               | 9.528                                  | 9.528                                | 11.00                      | -1.472                |
| Mid     | 5580               | 9.314                                  | 9.314                                | 11.00                      | -1.686                |
| High    | 5700               | 9.397                                  | 9.397                                | 11.00                      | -1.603                |
| 144     | 5720               | 9.723                                  | 9.723                                | 11.00                      | -1.277                |



**1TX Antenna 5 MODE (FCC): SU, Single User**

|                       |            |
|-----------------------|------------|
| <b>Test Engineer:</b> | 32213      |
| <b>Test Date:</b>     | 06/06/2023 |

**Bandwidth, Antenna Gain, and Limits**

| Channel | Frequency<br>(MHz) | Min<br>26dB BW<br>(MHz) | Directional<br>Gain<br>(dBi) | Power<br>Limit<br>(dBm) | PSD<br>Limit<br>(dBm/1MHz) |
|---------|--------------------|-------------------------|------------------------------|-------------------------|----------------------------|
| Low     | 5500               | 20.58                   | -3.70                        | 24.00                   | 11.00                      |
| Mid     | 5580               | 20.51                   | -3.70                        | 24.00                   | 11.00                      |
| High    | 5700               | 20.96                   | -3.70                        | 24.00                   | 11.00                      |
| 144     | 5720               | 15.43                   | -3.70                        | 22.88                   | 11.00                      |

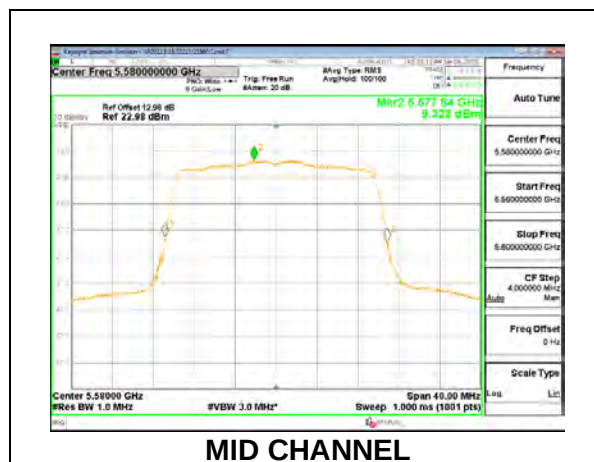
|                           |      |                                            |
|---------------------------|------|--------------------------------------------|
| <b>Duty Cycle CF (dB)</b> | 0.00 | <b>Included in Calculations Corr'd PSD</b> |
|---------------------------|------|--------------------------------------------|

**Output Power Results**

| Channel | Frequency<br>(MHz) | Antenna 5<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               | 18.24                               | 18.24                             | 24.00                   | -5.76                   |
| Mid     | 5580               | 19.23                               | 19.23                             | 24.00                   | -4.77                   |
| High    | 5700               | 16.70                               | 16.70                             | 24.00                   | -7.30                   |
| 144     | 5720               | 19.16                               | 19.16                             | 22.88                   | -3.72                   |

**PSD Results**

| Channel | Frequency<br>(MHz) | Antenna 5<br>Meas<br>PSD<br>(dBm/1MHz) | Total<br>Corr'd<br>PSD<br>(dBm/1MHz) | PSD<br>Limit<br>(dBm/1MHz) | PSD<br>Margin<br>(dB) |
|---------|--------------------|----------------------------------------|--------------------------------------|----------------------------|-----------------------|
| Low     | 5500               | 8.045                                  | 8.045                                | 11.00                      | -2.955                |
| Mid     | 5580               | 9.323                                  | 9.323                                | 11.00                      | -1.677                |
| High    | 5700               | 6.911                                  | 6.911                                | 11.00                      | -4.089                |
| 144     | 5720               | 9.023                                  | 9.023                                | 11.00                      | -1.977                |



**2TX Antenna 6 + Antenna 5 OFDMA MODE (FCC): 106-Tone, RU Index 53**

|                |            |
|----------------|------------|
| Test Engineer: | 26118      |
| Test Date:     | 05/08/2023 |

**Bandwidth, Antenna Gain, and Limits**

| Channel | Frequency<br>(MHz) | Min<br>26dB BW<br>(MHz) | Directional<br>Gain<br>for Power<br>(dBi) | Directional<br>Gain<br>for PSD<br>(dBi) | Power<br>Limit<br>(dBm) | PSD<br>Limit<br>(dBm/1MHz) |
|---------|--------------------|-------------------------|-------------------------------------------|-----------------------------------------|-------------------------|----------------------------|
| Low     | 5500               | 20.16                   | -4.08                                     | -1.08                                   | 24.00                   | 11.00                      |
| Mid     | 5580               | 20.31                   | -4.08                                     | -1.08                                   | 24.00                   | 11.00                      |
| High    | 5700               | 20.28                   | -4.08                                     | -1.08                                   | 24.00                   | 11.00                      |
| 144     | 5720               | 15.10                   | -4.08                                     | -1.08                                   | 22.79                   | 11.00                      |

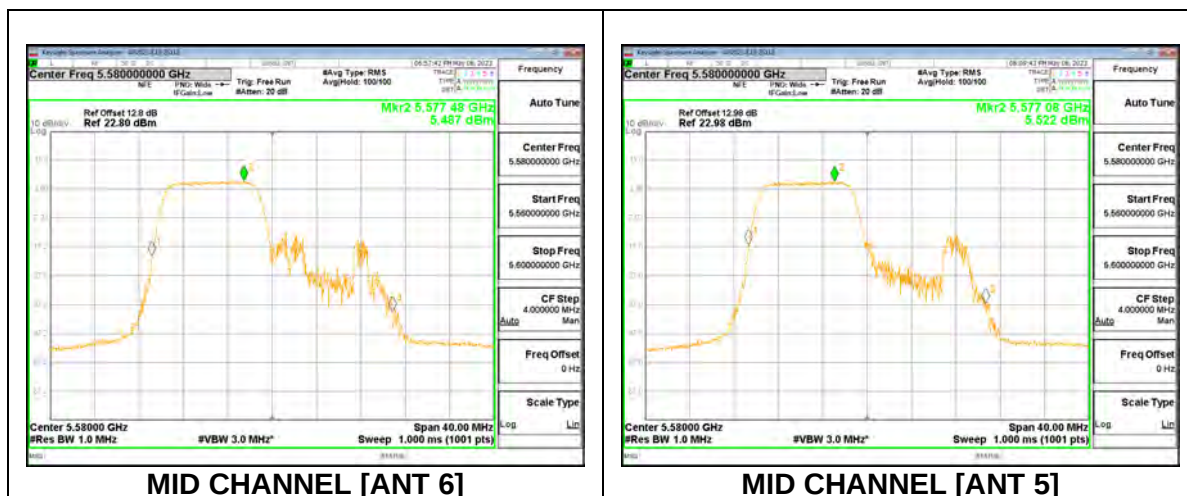
|                    |      |                                        |
|--------------------|------|----------------------------------------|
| Duty Cycle CF (dB) | 0.00 | Included in Calculations of Corr'd PSD |
|--------------------|------|----------------------------------------|

**Output Power Results**

| Channel | Frequency<br>(MHz) | Antenna 6<br>Meas<br>Power<br>(dBm) | Antenna 5<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               | 14.23                               | 14.24                               | 17.25                             | 24.00                   | -6.75                   |
| Mid     | 5580               | 14.17                               | 14.19                               | 17.19                             | 24.00                   | -6.81                   |
| High    | 5700               | 14.20                               | 14.23                               | 17.23                             | 24.00                   | -6.77                   |
| 144     | 5720               | 14.24                               | 14.18                               | 17.22                             | 22.79                   | -5.57                   |

**PSD Results**

| Channel | Frequency<br>(MHz) | Antenna 6<br>Meas<br>PSD<br>(dBm/1MHz) | Antenna 5<br>Meas<br>PSD<br>(dBm/1MHz) | Total<br>Corr'd<br>PSD<br>(dBm/1MHz) | PSD<br>Limit<br>(dBm/1MHz) | PSD<br>Margin<br>(dB) |
|---------|--------------------|----------------------------------------|----------------------------------------|--------------------------------------|----------------------------|-----------------------|
| Low     | 5500               | 5.864                                  | 5.991                                  | 8.94                                 | 11.00                      | -2.06                 |
| Mid     | 5580               | 5.487                                  | 5.522                                  | 8.51                                 | 11.00                      | -2.49                 |
| High    | 5700               | 5.640                                  | 5.905                                  | 8.78                                 | 11.00                      | -2.22                 |
| 144     | 5720               | 6.047                                  | 5.866                                  | 8.97                                 | 11.00                      | -2.03                 |



**2TX Antenna 6 + Antenna 5 OFDMA MODE (FCC): 106-Tone, RU Index 54**

|                |            |
|----------------|------------|
| Test Engineer: | 26118      |
| Test Date:     | 05/08/2023 |

**Bandwidth, Antenna Gain, and Limits**

| Channel | Frequency<br>(MHz) | Min<br>26dB BW<br>(MHz) | Directional<br>Gain<br>for Power<br>(dBi) | Directional<br>Gain<br>for PSD<br>(dBi) | Power<br>Limit<br>(dBm) | PSD<br>Limit<br>(dBm/1MHz) |
|---------|--------------------|-------------------------|-------------------------------------------|-----------------------------------------|-------------------------|----------------------------|
| Low     | 5500               | 20.64                   | -4.08                                     | -1.08                                   | 24.00                   | 11.00                      |
| Mid     | 5580               | 20.75                   | -4.08                                     | -1.08                                   | 24.00                   | 11.00                      |
| High    | 5700               | 20.57                   | -4.08                                     | -1.08                                   | 24.00                   | 11.00                      |
| 144     | 5720               | 15.23                   | -4.08                                     | -1.08                                   | 22.83                   | 11.00                      |

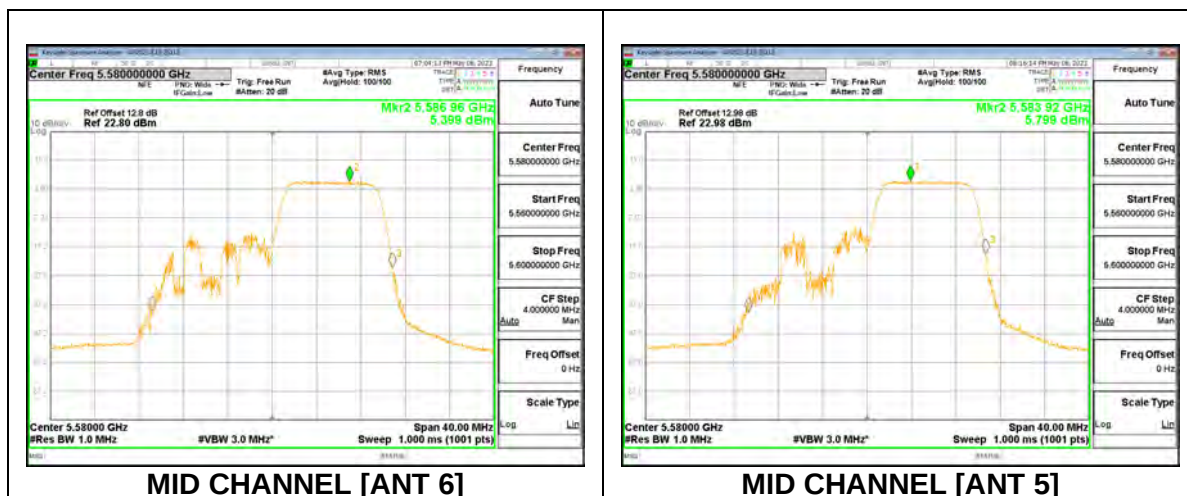
|                    |      |                                        |
|--------------------|------|----------------------------------------|
| Duty Cycle CF (dB) | 0.00 | Included in Calculations of Corr'd PSD |
|--------------------|------|----------------------------------------|

**Output Power Results**

| Channel | Frequency<br>(MHz) | Antenna 6<br>Meas<br>Power<br>(dBm) | Antenna 5<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               | 14.19                               | 14.18                               | 17.20                             | 24.00                   | -6.80                   |
| Mid     | 5580               | 14.14                               | 14.21                               | 17.19                             | 24.00                   | -6.81                   |
| High    | 5700               | 14.17                               | 14.23                               | 17.21                             | 24.00                   | -6.79                   |
| 144     | 5720               | 14.22                               | 14.19                               | 17.22                             | 22.83                   | -5.61                   |

**PSD Results**

| Channel | Frequency<br>(MHz) | Antenna 6<br>Meas<br>PSD<br>(dBm/1MHz) | Antenna 5<br>Meas<br>PSD<br>(dBm/1MHz) | Total<br>Corr'd<br>PSD<br>(dBm/1MHz) | PSD<br>Limit<br>(dBm/1MHz) | PSD<br>Margin<br>(dB) |
|---------|--------------------|----------------------------------------|----------------------------------------|--------------------------------------|----------------------------|-----------------------|
| Low     | 5500               | 5.702                                  | 5.694                                  | 8.71                                 | 11.00                      | -2.29                 |
| Mid     | 5580               | 5.399                                  | 5.799                                  | 8.61                                 | 11.00                      | -2.39                 |
| High    | 5700               | 5.768                                  | 5.931                                  | 8.86                                 | 11.00                      | -2.14                 |
| 144     | 5720               | 6.118                                  | 5.713                                  | 8.93                                 | 11.00                      | -2.07                 |



**2TX Antenna 6 + Antenna 5 OFDMA MODE (FCC): SU, Single User**

|                |            |
|----------------|------------|
| Test Engineer: | 32213      |
| Test Date:     | 03/01/2023 |

**Bandwidth, Antenna Gain, and Limits**

| Channel | Frequency<br>(MHz) | Min<br>26dB BW<br>(MHz) | Directional<br>Gain<br>for Power<br>(dBi) | Directional<br>Gain<br>for PSD<br>(dBi) | Power<br>Limit<br>(dBm) | PSD<br>Limit<br>(dBm/1MHz) |
|---------|--------------------|-------------------------|-------------------------------------------|-----------------------------------------|-------------------------|----------------------------|
| Low     | 5500               | 20.86                   | -4.08                                     | -1.08                                   | 24.00                   | 11.00                      |
| Mid     | 5580               | 20.69                   | -4.08                                     | -1.08                                   | 24.00                   | 11.00                      |
| High    | 5700               | 20.60                   | -4.08                                     | -1.08                                   | 24.00                   | 11.00                      |
| 144     | 5720               | 15.46                   | -4.08                                     | -1.08                                   | 22.89                   | 11.00                      |

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

**Output Power Results**

| Channel | Frequency<br>(MHz) | Antenna 6<br>Meas<br>Power<br>(dBm) | Antenna 5<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               | 16.19                               | 16.23                               | 19.22                             | 24.00                   | -4.78                   |
| Mid     | 5580               | 16.15                               | 16.20                               | 19.19                             | 24.00                   | -4.81                   |
| High    | 5700               | 16.20                               | 16.17                               | 19.20                             | 24.00                   | -4.80                   |
| 144     | 5720               | 16.24                               | 16.25                               | 19.26                             | 22.89                   | -3.64                   |

**PSD Results**

| Channel | Frequency<br>(MHz) | Antenna 6<br>Meas<br>PSD<br>(dBm/1MHz) | Antenna 5<br>Meas<br>PSD<br>(dBm/1MHz) | Total<br>Corr'd<br>PSD<br>(dBm/1MHz) | PSD<br>Limit<br>(dBm/1MHz) | PSD<br>Margin<br>(dB) |
|---------|--------------------|----------------------------------------|----------------------------------------|--------------------------------------|----------------------------|-----------------------|
| Low     | 5500               | 6.043                                  | 6.213                                  | 9.14                                 | 11.00                      | -1.86                 |
| Mid     | 5580               | 5.802                                  | 5.965                                  | 8.89                                 | 11.00                      | -2.11                 |
| High    | 5700               | 6.175                                  | 5.824                                  | 9.01                                 | 11.00                      | -1.99                 |
| 144     | 5720               | 6.238                                  | 6.434                                  | 9.35                                 | 11.00                      | -1.65                 |

**MID CHANNEL [ANT 6]****MID CHANNEL [ANT 5]**

## 9.4.20. 802.11ax HE40 MODE IN THE 5.6 GHz BAND

**1TX Antenna 6 MODE (FCC): 106-Tone, RU Index 53**

|                |            |
|----------------|------------|
| Test Engineer: | 26118      |
| Test Date:     | 05/08/2023 |

**Bandwidth, Antenna Gain, and Limits**

| Channel | Frequency<br>(MHz) | Min<br>26dB BW<br>(MHz) | Directional<br>Gain<br>(dBi) | Power<br>Limit<br>(dBm) | PSD<br>Limit<br>(dBm/1MHz) |
|---------|--------------------|-------------------------|------------------------------|-------------------------|----------------------------|
| Low     | 5510               | 21.49                   | -4.50                        | 24.00                   | 11.00                      |
| Mid     | 5550               | 21.72                   | -4.50                        | 24.00                   | 11.00                      |
| High    | 5670               | 21.65                   | -4.50                        | 24.00                   | 11.00                      |
| 142     | 5710               | 15.83                   | -4.50                        | 22.99                   | 11.00                      |

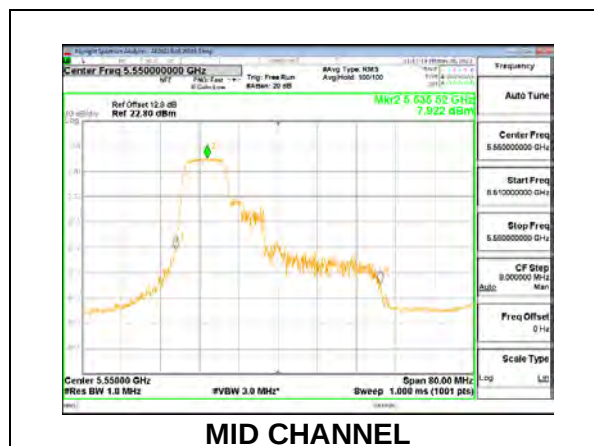
|                    |      |                                     |
|--------------------|------|-------------------------------------|
| Duty Cycle CF (dB) | 0.00 | Included in Calculations Corr'd PSD |
|--------------------|------|-------------------------------------|

**Output Power Results**

| Channel | Frequency<br>(MHz) | Antenna 6<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               | 15.21                               | 15.21                             | 24.00                   | -8.79                   |
| Mid     | 5550               | 15.23                               | 15.23                             | 24.00                   | -8.77                   |
| High    | 5670               | 15.18                               | 15.18                             | 24.00                   | -8.82                   |
| 142     | 5710               | 15.24                               | 15.24                             | 22.99                   | -7.75                   |

**PSD Results**

| Channel | Frequency<br>(MHz) | Antenna 6<br>Meas<br>PSD<br>(dBm/1MHz) | Total<br>Corr'd<br>PSD<br>(dBm/1MHz) | PSD<br>Limit<br>(dBm/1MHz) | PSD<br>Margin<br>(dB) |
|---------|--------------------|----------------------------------------|--------------------------------------|----------------------------|-----------------------|
| Low     | 5510               | 6.819                                  | 6.819                                | 11.00                      | -4.181                |
| Mid     | 5550               | 7.922                                  | 7.922                                | 11.00                      | -3.078                |
| High    | 5670               | 7.784                                  | 7.784                                | 11.00                      | -3.216                |
| 142     | 5710               | 7.975                                  | 7.975                                | 11.00                      | -3.025                |



**1TX Antenna 6 MODE (FCC): 106-Tone, RU Index 54**

|                |            |
|----------------|------------|
| Test Engineer: | 26118      |
| Test Date:     | 05/08/2023 |

**Bandwidth, Antenna Gain, and Limits**

| Channel | Frequency<br>(MHz) | Min<br>26dB BW<br>(MHz) | Directional<br>Gain<br>(dBi) | Power<br>Limit<br>(dBm) | PSD<br>Limit<br>(dBm/1MHz) |
|---------|--------------------|-------------------------|------------------------------|-------------------------|----------------------------|
| Low     | 5510               | 26.07                   | -4.50                        | 24.00                   | 11.00                      |
| Mid     | 5550               | 26.81                   | -4.50                        | 24.00                   | 11.00                      |
| High    | 5670               | 26.36                   | -4.50                        | 24.00                   | 11.00                      |
| 142     | 5710               | 18.52                   | -4.50                        | 23.68                   | 11.00                      |

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

**Output Power Results**

| Channel | Frequency<br>(MHz) | Antenna 6<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               | 15.18                               | 15.18                             | 24.00                   | -8.82                   |
| Mid     | 5550               | 15.22                               | 15.22                             | 24.00                   | -8.78                   |
| High    | 5670               | 15.23                               | 15.23                             | 24.00                   | -8.77                   |
| 142     | 5710               | 15.19                               | 15.19                             | 23.68                   | -8.49                   |

**PSD Results**

| Channel | Frequency<br>(MHz) | Antenna 6<br>Meas<br>PSD<br>(dBm/1MHz) | Total<br>Corr'd<br>PSD<br>(dBm/1MHz) | PSD<br>Limit<br>(dBm/1MHz) | PSD<br>Margin<br>(dB) |
|---------|--------------------|----------------------------------------|--------------------------------------|----------------------------|-----------------------|
| Low     | 5510               | 7.097                                  | 7.097                                | 11.00                      | -3.903                |
| Mid     | 5550               | 7.671                                  | 7.671                                | 11.00                      | -3.329                |
| High    | 5670               | 8.234                                  | 8.234                                | 11.00                      | -2.766                |
| 142     | 5710               | 7.735                                  | 7.735                                | 11.00                      | -3.265                |



**1TX Antenna 6 MODE (FCC): 106-Tone, RU Index 56**

|                |            |
|----------------|------------|
| Test Engineer: | 26118      |
| Test Date:     | 05/08/2023 |

**Bandwidth, Antenna Gain, and Limits**

| Channel | Frequency<br>(MHz) | Min<br>26dB BW<br>(MHz) | Directional<br>Gain<br>(dBi) | Power<br>Limit<br>(dBm) | PSD<br>Limit<br>(dBm/1MHz) |
|---------|--------------------|-------------------------|------------------------------|-------------------------|----------------------------|
| Low     | 5510               | 22.49                   | -4.50                        | 24.00                   | 11.00                      |
| Mid     | 5550               | 22.18                   | -4.50                        | 24.00                   | 11.00                      |
| High    | 5670               | 22.10                   | -4.50                        | 24.00                   | 11.00                      |
| 142     | 5710               | 16.24                   | -4.50                        | 23.10                   | 11.00                      |

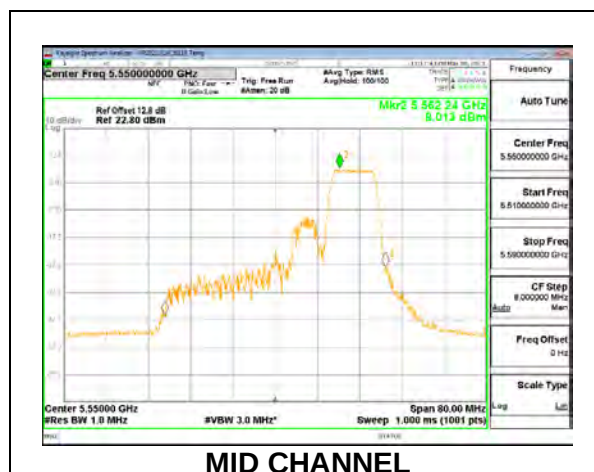
|                    |      |                                     |
|--------------------|------|-------------------------------------|
| Duty Cycle CF (dB) | 0.00 | Included in Calculations Corr'd PSD |
|--------------------|------|-------------------------------------|

**Output Power Results**

| Channel | Frequency<br>(MHz) | Antenna 6<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               | 15.20                               | 15.20                             | 24.00                   | -8.80                   |
| Mid     | 5550               | 15.25                               | 15.25                             | 24.00                   | -8.75                   |
| High    | 5670               | 15.24                               | 15.24                             | 24.00                   | -8.76                   |
| 142     | 5710               | 15.22                               | 15.22                             | 23.10                   | -7.88                   |

**PSD Results**

| Channel | Frequency<br>(MHz) | Antenna 6<br>Meas<br>PSD<br>(dBm/1MHz) | Total<br>Corr'd<br>PSD<br>(dBm/1MHz) | PSD<br>Limit<br>(dBm/1MHz) | PSD<br>Margin<br>(dB) |
|---------|--------------------|----------------------------------------|--------------------------------------|----------------------------|-----------------------|
| Low     | 5510               | 7.262                                  | 7.262                                | 11.00                      | -3.738                |
| Mid     | 5550               | 8.013                                  | 8.013                                | 11.00                      | -2.987                |
| High    | 5670               | 7.913                                  | 7.913                                | 11.00                      | -3.087                |
| 142     | 5710               | 7.751                                  | 7.751                                | 11.00                      | -3.249                |



**1TX Antenna 6 MODE (FCC): SU, Single User**

|                |            |
|----------------|------------|
| Test Engineer: | 32213      |
| Test Date:     | 03/15/2023 |

**Bandwidth, Antenna Gain, and Limits**

| Channel | Frequency<br>(MHz) | Min<br>26dB BW<br>(MHz) | Directional<br>Gain<br>(dBi) | Power<br>Limit<br>(dBm) | PSD<br>Limit<br>(dBm/1MHz) |
|---------|--------------------|-------------------------|------------------------------|-------------------------|----------------------------|
| Low     | 5510               | 41.29                   | -4.50                        | 24.00                   | 11.00                      |
| Mid     | 5550               | 40.71                   | -4.50                        | 24.00                   | 11.00                      |
| High    | 5670               | 40.87                   | -4.50                        | 24.00                   | 11.00                      |
| 142     | 5710               | 39.72                   | -4.50                        | 24.00                   | 11.00                      |

|                    |      |                                     |
|--------------------|------|-------------------------------------|
| Duty Cycle CF (dB) | 0.12 | Included in Calculations Corr'd PSD |
|--------------------|------|-------------------------------------|

**Output Power Results**

| Channel | Frequency<br>(MHz) | Antenna 6<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               | 16.19                               | 16.19                             | 24.00                   | -7.81                   |
| Mid     | 5550               | 20.23                               | 20.23                             | 24.00                   | -3.77                   |
| High    | 5670               | 17.70                               | 17.70                             | 24.00                   | -6.30                   |
| 142     | 5710               | 20.20                               | 20.20                             | 24.00                   | -3.80                   |

**PSD Results**

| Channel | Frequency<br>(MHz) | Antenna 6<br>Meas<br>PSD<br>(dBm/1MHz) | Total<br>Corr'd<br>PSD<br>(dBm/1MHz) | PSD<br>Limit<br>(dBm/1MHz) | PSD<br>Margin<br>(dB) |
|---------|--------------------|----------------------------------------|--------------------------------------|----------------------------|-----------------------|
| Low     | 5510               | 3.270                                  | 3.390                                | 11.00                      | -7.610                |
| Mid     | 5550               | 7.269                                  | 7.389                                | 11.00                      | -3.611                |
| High    | 5670               | 4.212                                  | 4.332                                | 11.00                      | -6.668                |
| 142     | 5710               | 7.154                                  | 7.274                                | 11.00                      | -3.726                |

