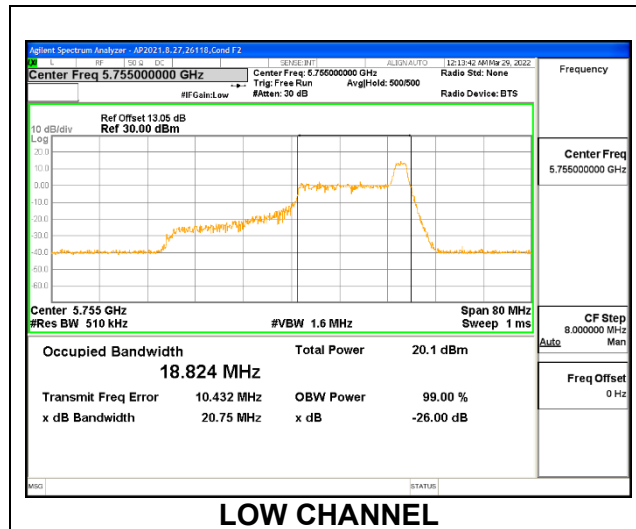


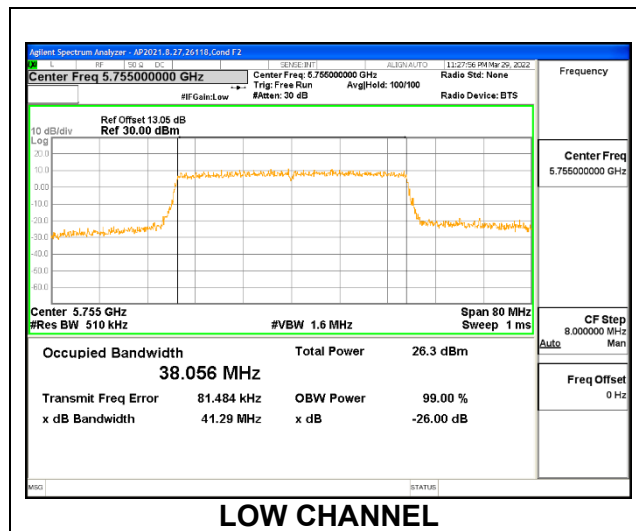
1TX Antenna 5 MODE: 26 Tones, RU Index 17

| Channel | Frequency (MHz) | 99% Bandwidth (MHz) |
|---------|-----------------|---------------------|
| Low | 5755 | 18.824 |
| High | 5795 | 18.841 |



1TX Antenna 5 MODE: SU Mode

| Channel | Frequency (MHz) | 99% Bandwidth (MHz) |
|---------|-----------------|---------------------|
| Low | 5755 | 38.056 |
| High | 5795 | 38.071 |



2TX Antenna 6 + Antenna 5 OFDMA MODE: 26 Tones, RU Index 0

| Channel | Frequency (MHz) | 99% Bandwidth Antenna 6 (MHz) | 99% Bandwidth Antenna 5 (MHz) |
|---------|-----------------|-------------------------------|-------------------------------|
| Low | 5755 | 18.6008 | 18.4704 |
| High | 5795 | 18.8615 | 18.3901 |

LOW CHANNEL [ANT 6]

Agilent 18:30:26 Apr 25, 2022

Ch Freq 5.755 GHz Trig Free

Occupied Bandwidth Averages: 700

AP2021.11.3.26118, Cond C

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 13 dB

Center 5.755 00 GHz Span 80 MHz

#Res BW 510 kHz #VBW 1.6 MHz Sweep 1.066 ms (1000 pts)

Occupied Bandwidth 18.6008 MHz Occ BW % Pwr 99.00 % x dB -26.00 dB

Transmit Freq Error -10.413 MHz

x dB Bandwidth 20.246 MHz

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LOW CHANNEL [ANT 5]

Agilent 02:19:15 Apr 26, 2022

Ch Freq 5.755 GHz Trig Free

Occupied Bandwidth Averages: 700

AP2021.11.3.26118, Cond C

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 12.8 dB

Center 5.755 00 GHz Span 80 MHz

#Res BW 510 kHz #VBW 1.6 MHz Sweep 1.066 ms (1000 pts)

Occupied Bandwidth 18.4704 MHz Occ BW % Pwr 99.00 % x dB -26.00 dB

Transmit Freq Error -10.416 MHz

x dB Bandwidth 20.471 MHz

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2TX Antenna 6 + Antenna 5 OFDMA MODE: 26 Tones, RU Index 8

| Channel | Frequency (MHz) | 99% Bandwidth Antenna 6 (MHz) | 99% Bandwidth Antenna 5 (MHz) |
|---------|-----------------|-------------------------------|-------------------------------|
| Low | 5755 | 22.1191 | 20.1514 |
| High | 5795 | 21.9121 | 21.4619 |

LOW CHANNEL [ANT 6]

Agilent 18:36:34 Apr 25, 2022

Ch Freq 5.755 GHz Trig Free

Occupied Bandwidth Averages: 700

AP2021.11.3.26118, Cond C

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 13 dB

Center 5.755 00 GHz Span 80 MHz

#Res BW 510 kHz #VBW 1.6 MHz Sweep 1.066 ms (1000 pts)

Occupied Bandwidth 22.1191 MHz Occ BW % Pwr 99.00 % x dB -26.00 dB

Transmit Freq Error -7.582 MHz

x dB Bandwidth 23.828 MHz

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LOW CHANNEL [ANT 5]

Agilent 23:01:03 Apr 6, 2022

Ch Freq 5.755 GHz Trig Free

Occupied Bandwidth Averages: 700

AP2021.11.3.12559, Conducted C

Ref 30 dBm #Atten 30 dB

#Peak Log 10 dB/Offst 13.1 dB

Center 5.755 00 GHz Span 80 MHz

#Res BW 510 kHz #VBW 1.6 MHz Sweep 1.066 ms (1000 pts)

Occupied Bandwidth 20.1514 MHz Occ BW % Pwr 99.00 % x dB -26.00 dB

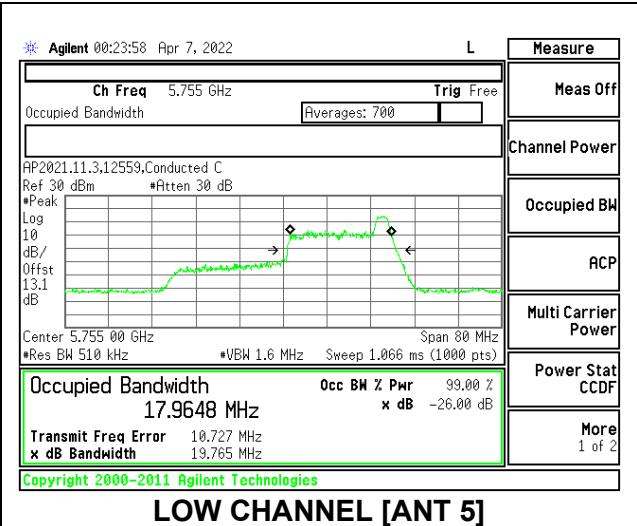
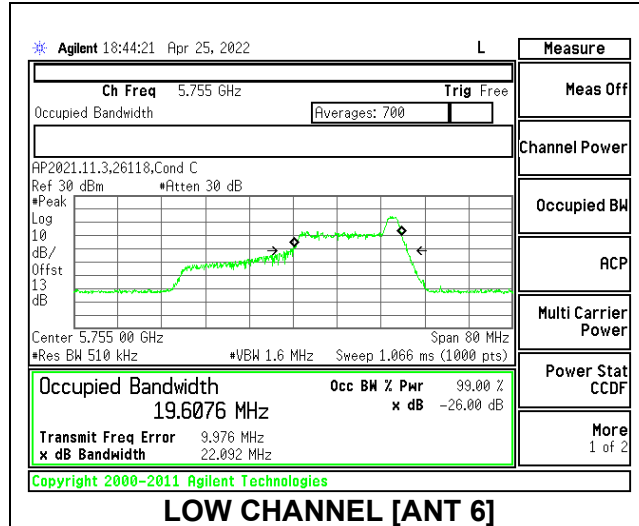
Transmit Freq Error -6.691 MHz

x dB Bandwidth 21.757 MHz

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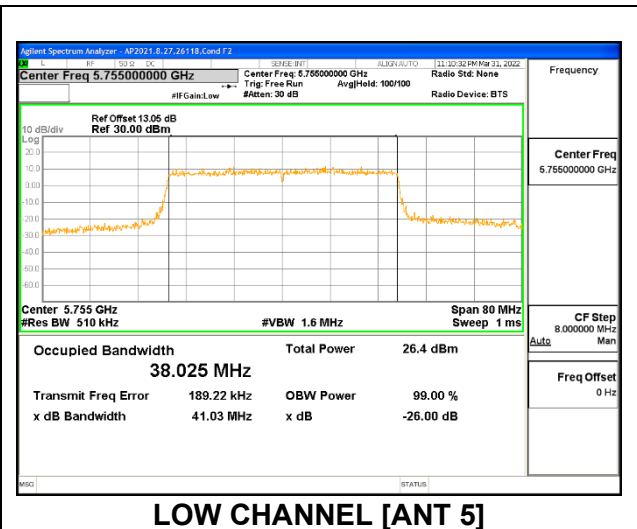
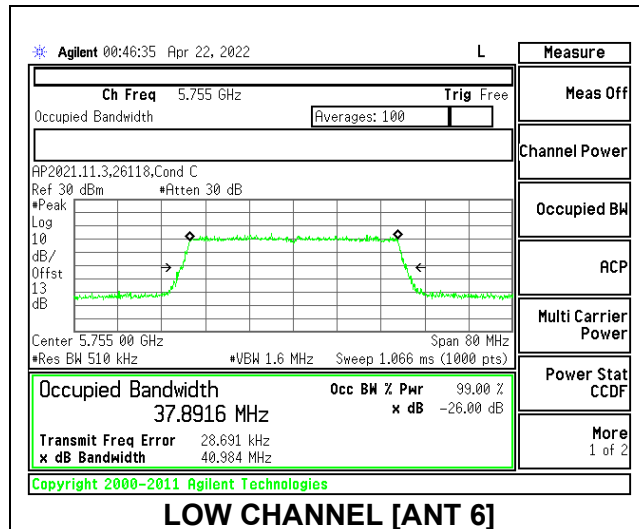
2TX Antenna 6 + Antenna 5 OFDMA MODE: 26 Tones, RU Index 17

| Channel | Frequency (MHz) | 99% Bandwidth Antenna 6 (MHz) | 99% Bandwidth Antenna 5 (MHz) |
|---------|-----------------|-------------------------------|-------------------------------|
| Low | 5755 | 19.6076 | 17.9648 |
| High | 5795 | 19.4455 | 18.3119 |



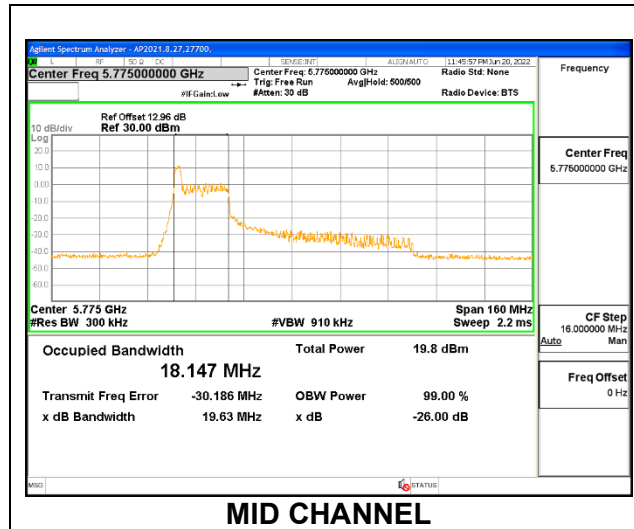
2TX Antenna 6 + Antenna 5 OFDMA MODE: SU Mode

| Channel | Frequency (MHz) | 99% Bandwidth Antenna 6 (MHz) | 99% Bandwidth Antenna 5 (MHz) |
|---------|-----------------|-------------------------------|-------------------------------|
| Low | 5755 | 37.8916 | 38.025 |
| High | 5795 | 37.8992 | 38.018 |



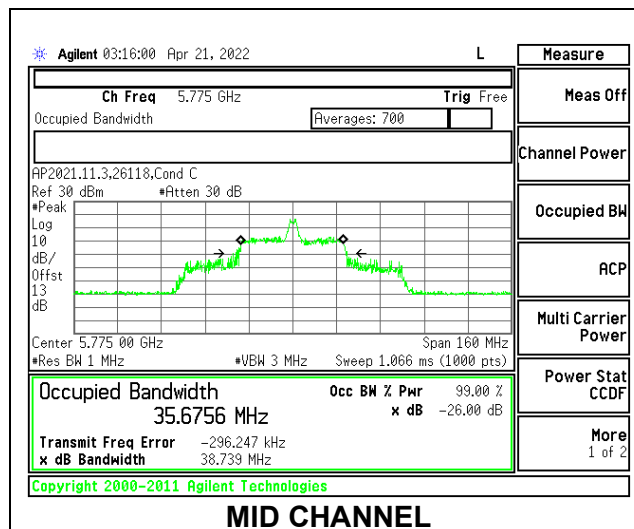
9.2.24. **802.11ax HE80 MODE IN THE 5.8 GHz BAND**
1TX Antenna 6 MODE: 26 Tones, RU Index 0

| Channel | Frequency (MHz) | 99% Bandwidth (MHz) |
|---------|-----------------|---------------------|
| Mid | 5775 | 18.147 |



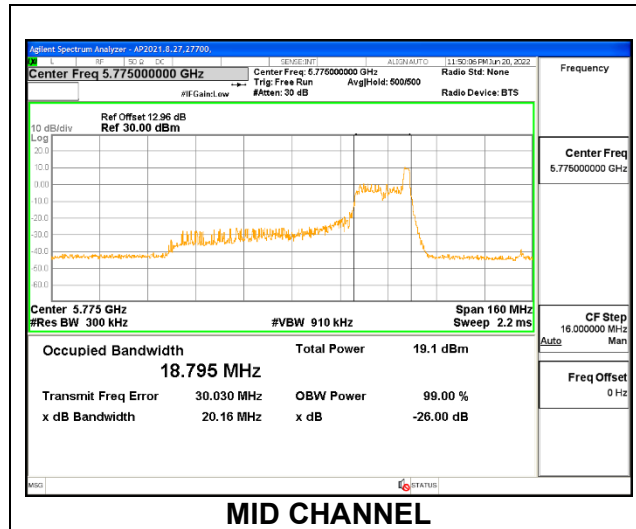
1TX Antenna 6 MODE: 26 Tones, RU Index 18

| Channel | Frequency (MHz) | 99% Bandwidth (MHz) |
|---------|-----------------|---------------------|
| Mid | 5775 | 35.6756 |



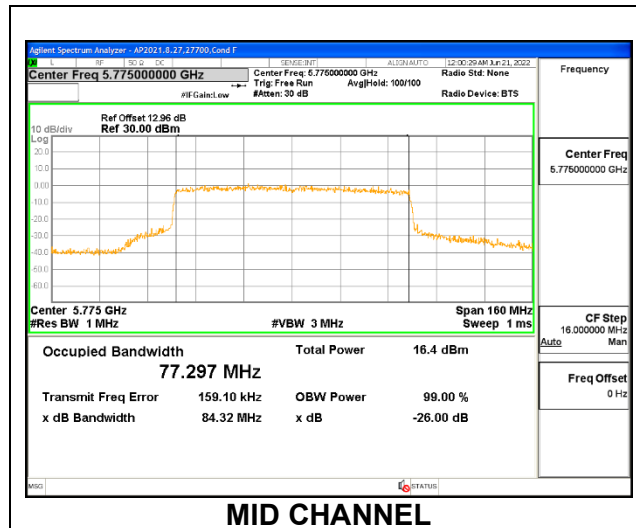
1TX Antenna 6 MODE: 26 Tones, RU Index 36

| Channel | Frequency (MHz) | 99% Bandwidth (MHz) |
|---------|-----------------|---------------------|
| Mid | 5775 | 18.795 |



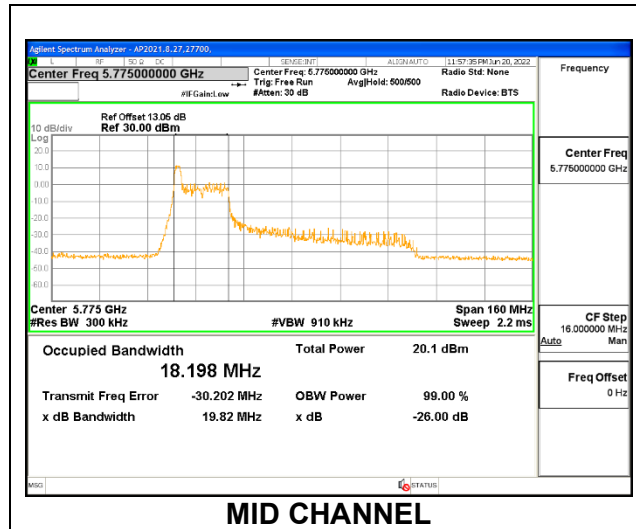
1TX Antenna 6 MODE: SU Mode

| Channel | Frequency (MHz) | 99% Bandwidth (MHz) |
|---------|-----------------|---------------------|
| Mid | 5775 | 77.297 |



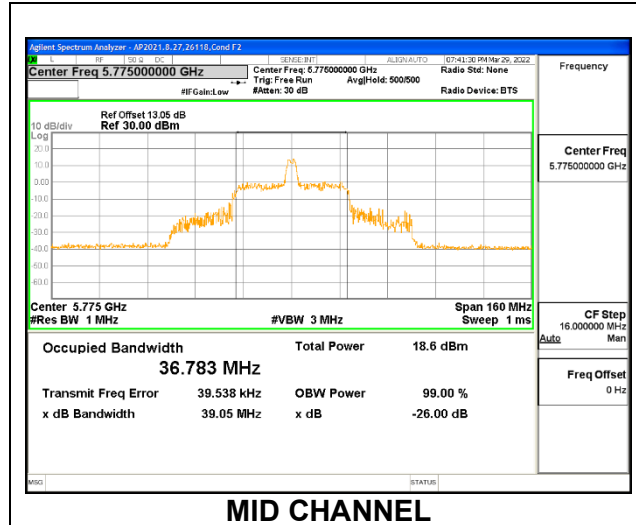
1TX Antenna 5 MODE: 26 Tones, RU Index 0

| Channel | Frequency (MHz) | 99% Bandwidth (MHz) |
|---------|-----------------|---------------------|
| Mid | 5775 | 18.198 |



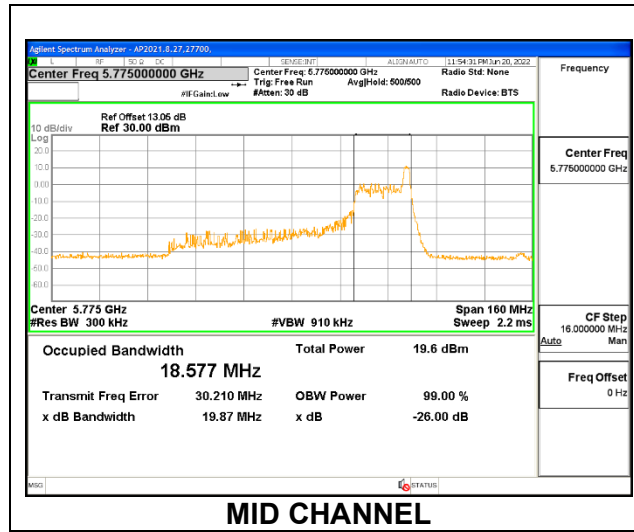
1TX Antenna 5 MODE: 26 Tones, RU Index 18

| Channel | Frequency (MHz) | 99% Bandwidth (MHz) |
|---------|-----------------|---------------------|
| Mid | 5775 | 36.783 |



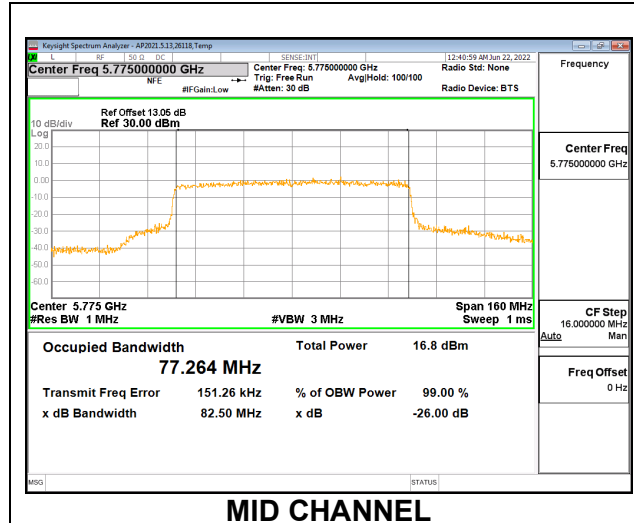
1TX Antenna 5 MODE: 26 Tones, RU Index 36

| Channel | Frequency (MHz) | 99% Bandwidth (MHz) |
|---------|-----------------|---------------------|
| Mid | 5775 | 18.577 |



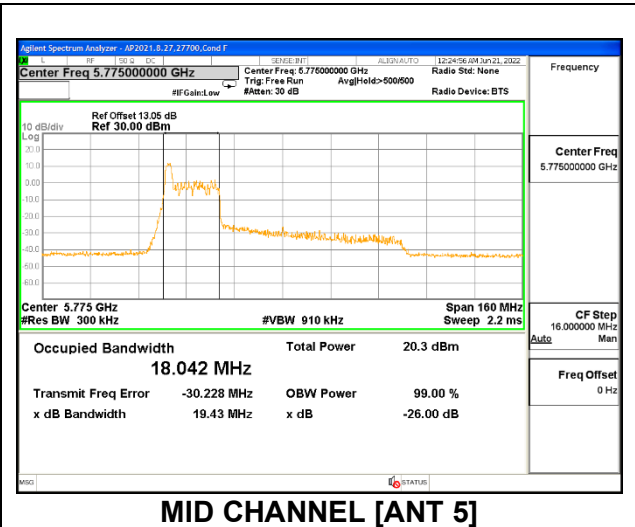
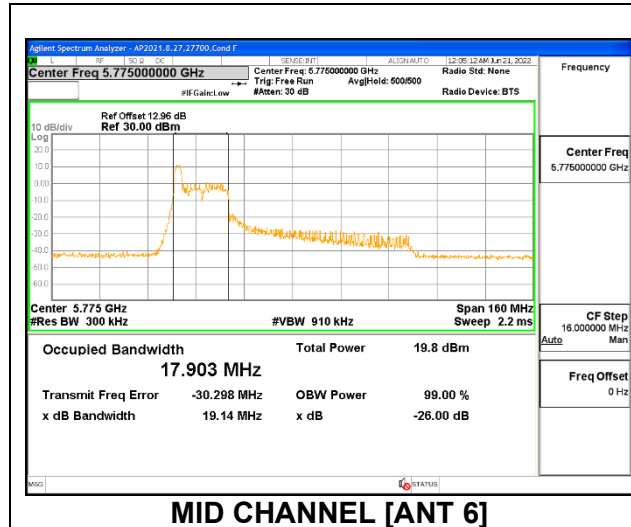
1TX Antenna 5 MODE: SU Mode

| Channel | Frequency (MHz) | 99% Bandwidth (MHz) |
|---------|-----------------|---------------------|
| Mid | 5775 | 77.264 |



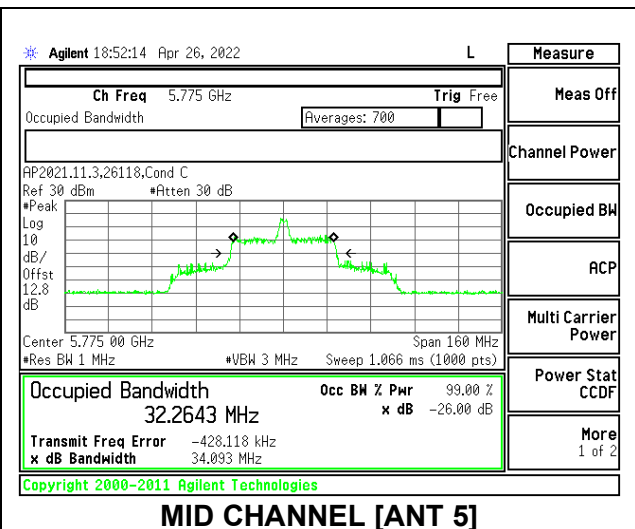
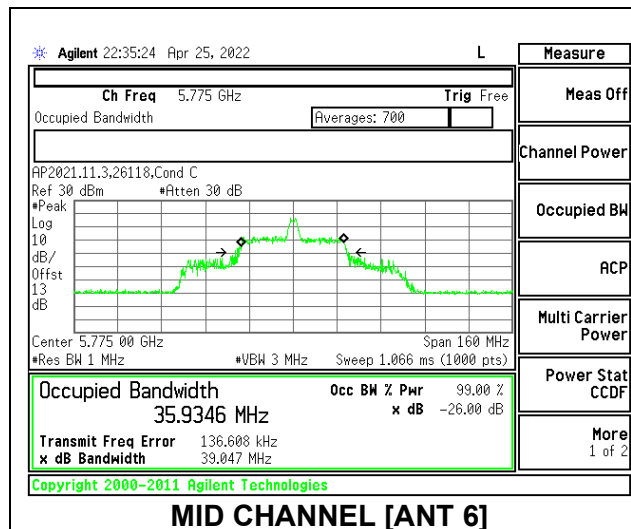
2TX Antenna 6 + Antenna 5 OFDMA MODE: 26 Tones, RU Index 0

| Channel | Frequency (MHz) | 99% Bandwidth Antenna 6 (MHz) | 99% Bandwidth Antenna 5 (MHz) |
|---------|-----------------|-------------------------------|-------------------------------|
| Mid | 5775 | 17.903 | 18.042 |



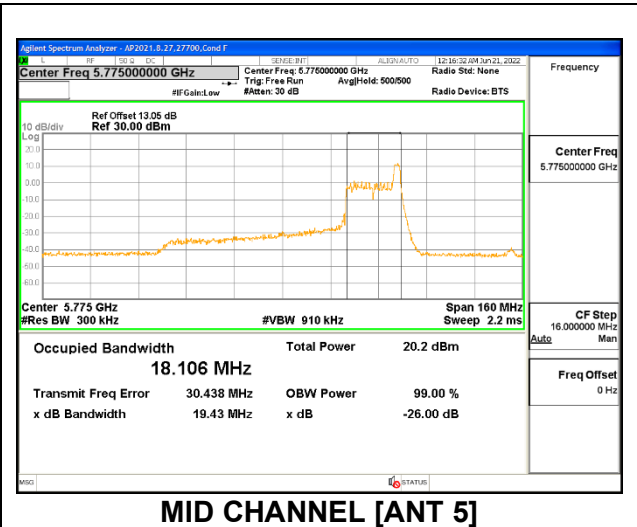
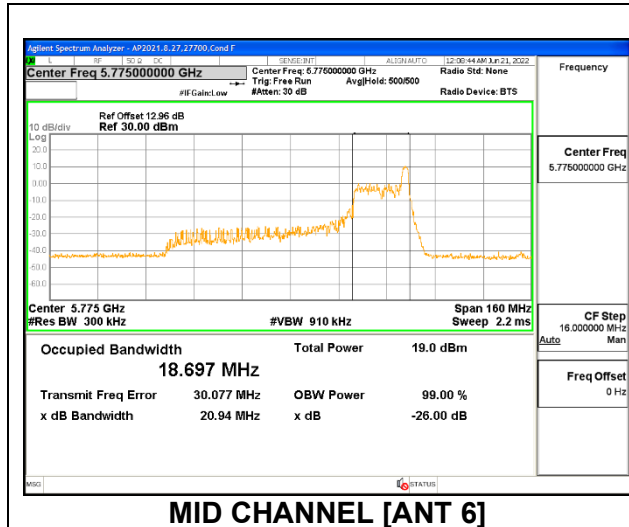
2TX Antenna 6 + Antenna 5 OFDMA MODE: 26 Tones, RU Index 18

| Channel | Frequency (MHz) | 99% Bandwidth Antenna 6 (MHz) | 99% Bandwidth Antenna 5 (MHz) |
|---------|-----------------|-------------------------------|-------------------------------|
| Mid | 5775 | 35.9346 | 32.2643 |



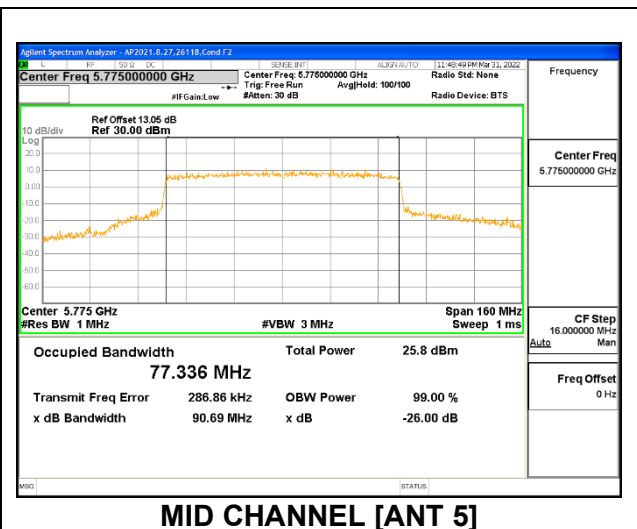
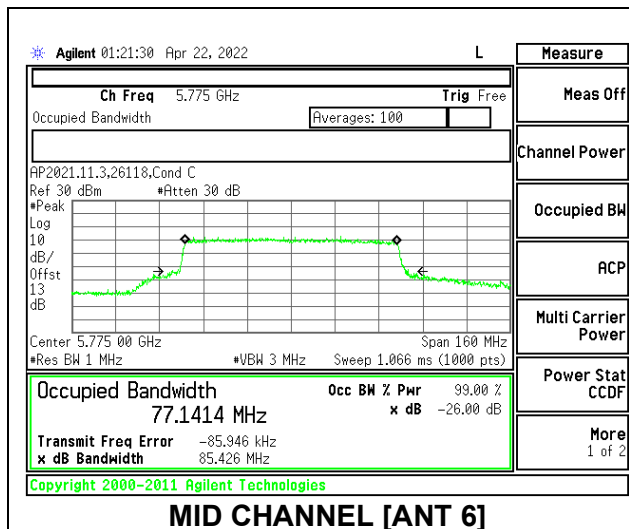
2TX Antenna 6 + Antenna 5 OFDMA MODE: 26 Tones, RU Index 36

| Channel | Frequency (MHz) | 99% Bandwidth Antenna 6 (MHz) | 99% Bandwidth Antenna 5 (MHz) |
|---------|-----------------|-------------------------------|-------------------------------|
| Mid | 5775 | 18.697 | 18.106 |



2TX Antenna 6 + Antenna 5 OFDMA MODE: SU Mode

| Channel | Frequency (MHz) | 99% Bandwidth Antenna 6 (MHz) | 99% Bandwidth Antenna 5 (MHz) |
|---------|-----------------|-------------------------------|-------------------------------|
| Mid | 5775 | 77.1414 | 77.336 |



9.3. 6 dB BANDWIDTH**LIMITS**

FCC §15.407 (e)

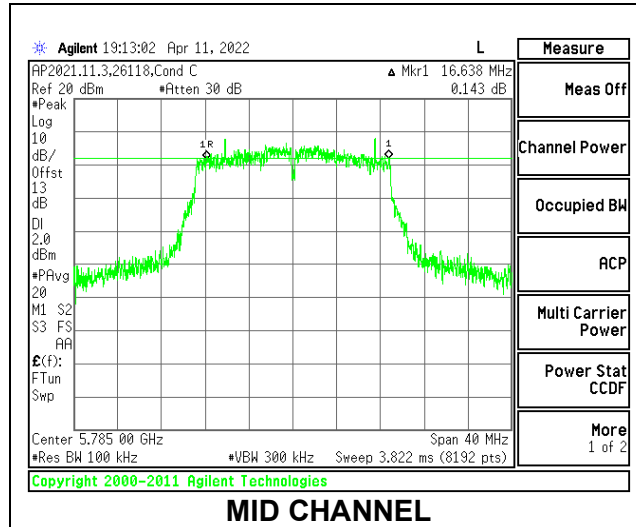
The minimum 6 dB bandwidth shall be at least 500 kHz.

RESULTS

9.3.1. 802.11n HT20 MODE IN THE 5.8 GHz BAND

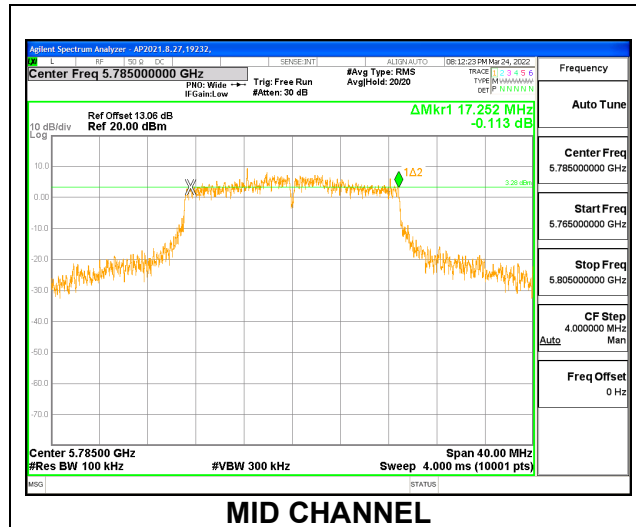
1TX Antenna 6 MODE

| Channel | Frequency (MHz) | 6 dB Bandwidth (MHz) | Minimum Limit (MHz) |
|---------|-----------------|----------------------|---------------------|
| Low | 5745 | 17.556 | 0.5 |
| Mid | 5785 | 16.638 | 0.5 |
| High | 5825 | 17.605 | 0.5 |
| 144 | 5720 | 3.783 | 0.5 |



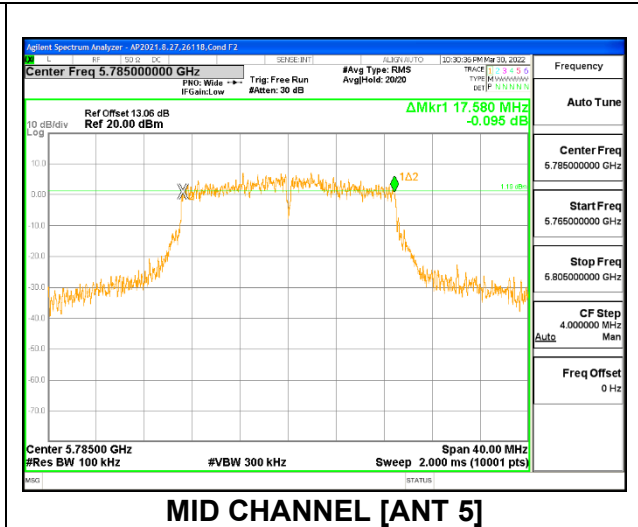
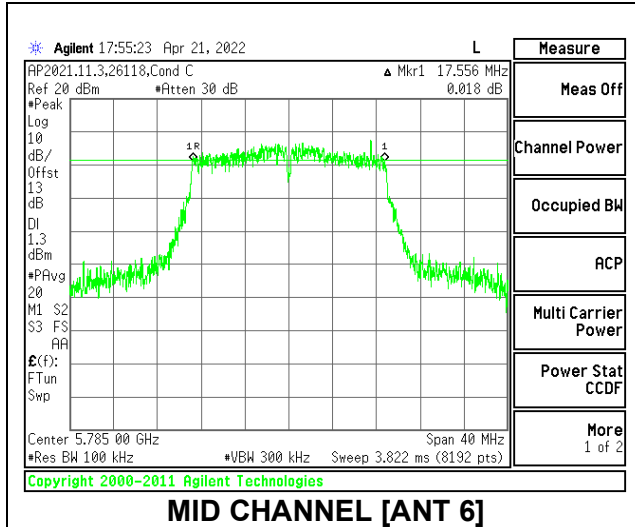
1TX Antenna 5 MODE

| Channel | Frequency (MHz) | 6 dB Bandwidth (MHz) | Minimum Limit (MHz) |
|---------|-----------------|----------------------|---------------------|
| Low | 5745 | 17.552 | 0.5 |
| Mid | 5785 | 17.252 | 0.5 |
| High | 5825 | 17.580 | 0.5 |
| 144 | 5720 | 3.784 | 0.5 |



2TX Antenna 6 + Antenna 5 CDD MODE

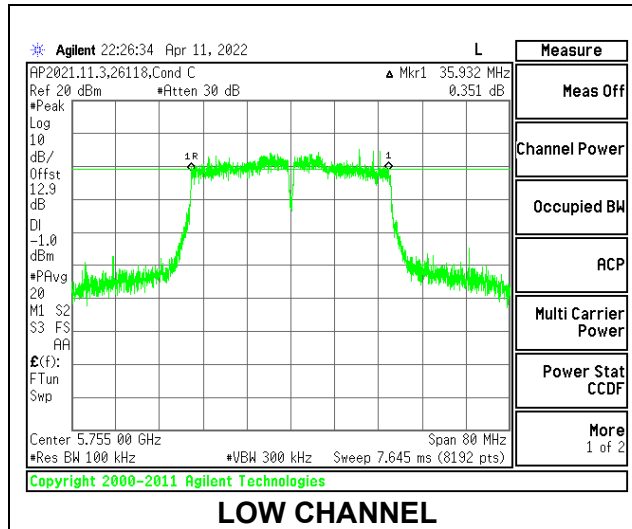
| Channel | Frequency (MHz) | 6 dB Bandwidth Antenna 6 (MHz) | 6 dB Bandwidth Antenna 5 (MHz) | Minimum Limit (MHz) |
|---------|-----------------|--------------------------------|--------------------------------|---------------------|
| Low | 5745 | 17.194 | 17.552 | 0.5 |
| Mid | 5785 | 17.556 | 17.580 | 0.5 |
| High | 5825 | 17.190 | 17.252 | 0.5 |
| 144 | 5720 | 3.412 | 3.784 | 0.5 |



9.3.2. 802.11n HT40 MODE IN THE 5.8 GHz BAND

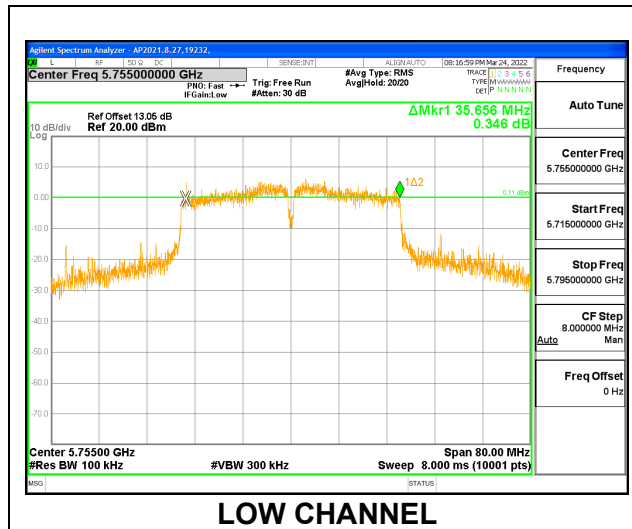
1TX Antenna 6 MODE

| Channel | Frequency (MHz) | 6 dB Bandwidth (MHz) | Minimum Limit (MHz) |
|---------|-----------------|----------------------|---------------------|
| Low | 5755 | 35.932 | 0.5 |
| High | 5795 | 35.082 | 0.5 |
| 142 | 5710 | 2.917 | 0.5 |



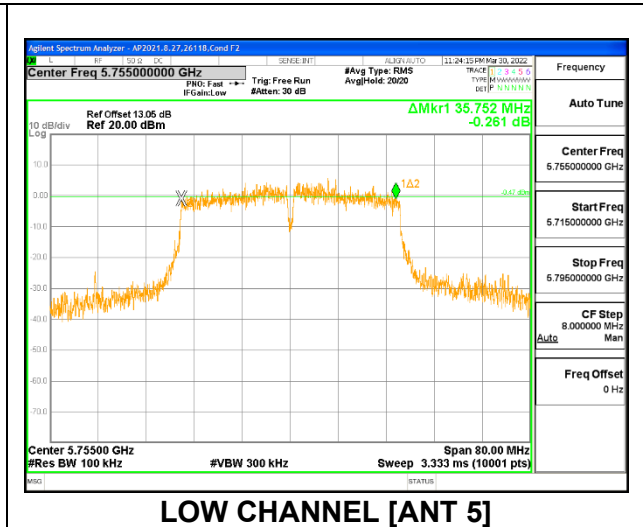
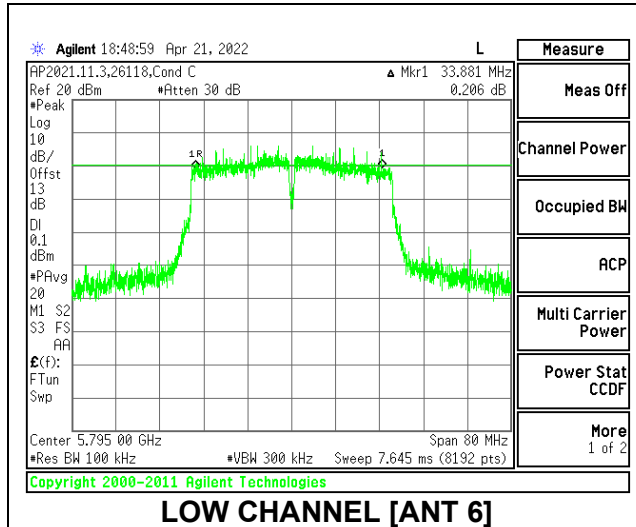
1TX Antenna 5 MODE

| Channel | Frequency (MHz) | 6 dB Bandwidth (MHz) | Minimum Limit (MHz) |
|---------|-----------------|----------------------|---------------------|
| Low | 5755 | 35.656 | 0.5 |
| High | 5795 | 35.456 | 0.5 |
| 142 | 5710 | 3.288 | 0.5 |



2TX Antenna 6 + Antenna 5 CDD MODE

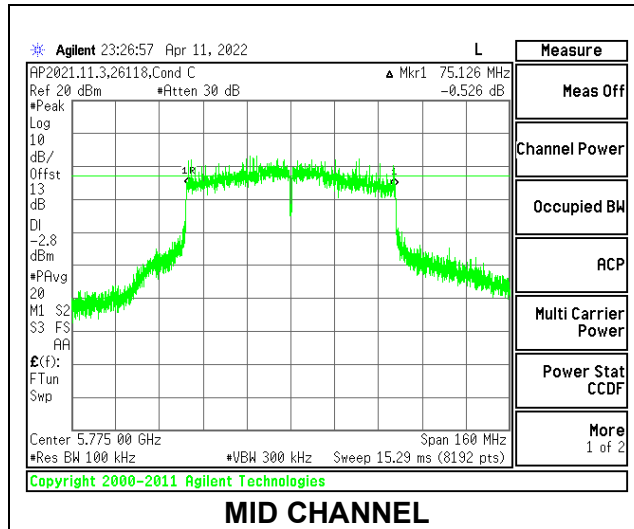
| Channel | Frequency (MHz) | 6 dB Bandwidth Antenna 6 (MHz) | 6 dB Bandwidth Antenna 5 (MHz) | Minimum Limit (MHz) |
|---------|-----------------|--------------------------------|--------------------------------|---------------------|
| Low | 5755 | 35.112 | 35.752 | 0.5 |
| High | 5795 | 33.881 | 33.752 | 0.5 |
| 142 | 5710 | 3.210 | 2.560 | 0.5 |



9.3.3. 802.11ac VHT80 MODE IN THE 5.8 GHz BAND

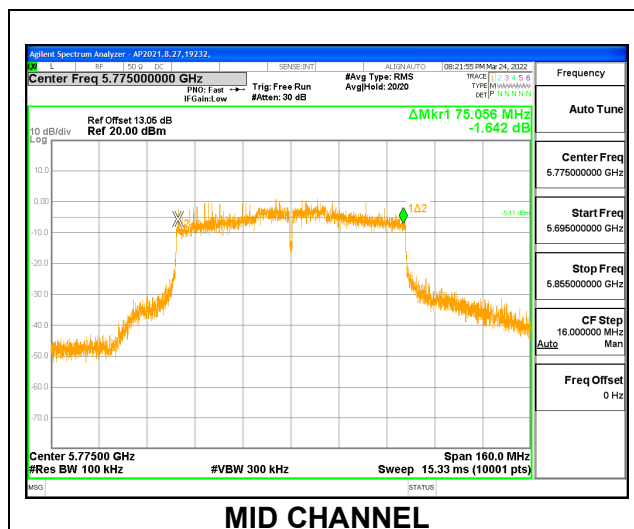
1TX Antenna 6 MODE

| Channel | Frequency (MHz) | 6 dB Bandwidth (MHz) | Minimum Limit (MHz) |
|---------|-----------------|----------------------|---------------------|
| Mid | 5775 | 75.126 | 0.5 |
| 138 | 5690 | 3.237 | 0.5 |



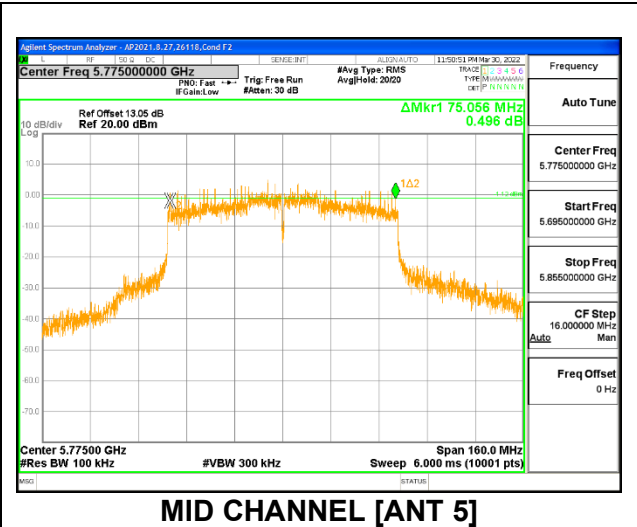
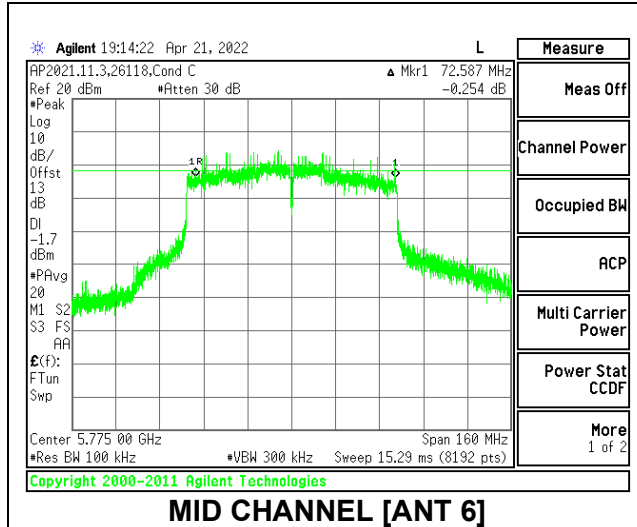
1TX Antenna 5 MODE

| Channel | Frequency (MHz) | 6 dB Bandwidth (MHz) | Minimum Limit (MHz) |
|---------|-----------------|----------------------|---------------------|
| Mid | 5775 | 75.056 | 0.5 |
| 138 | 5690 | 2.888 | 0.5 |



2TX Antenna 6 + Antenna 5 CDD MODE

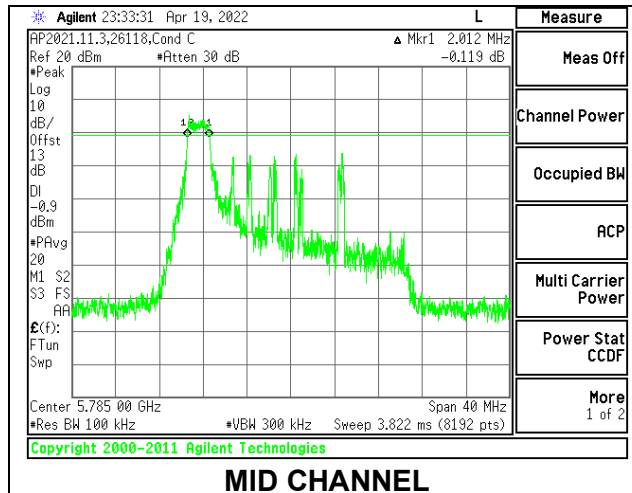
| Channel | Frequency (MHz) | 6 dB Bandwidth Antenna 6 (MHz) | 6 dB Bandwidth Antenna 5 (MHz) | Minimum Limit (MHz) |
|---------|-----------------|--------------------------------|--------------------------------|---------------------|
| Mid | 5775 | 72.587 | 75.056 | 0.5 |
| 138 | 5690 | 2.827 | 3.208 | 0.5 |



9.3.4. 802.11ax HE20 MODE IN THE 5.8 GHz BAND

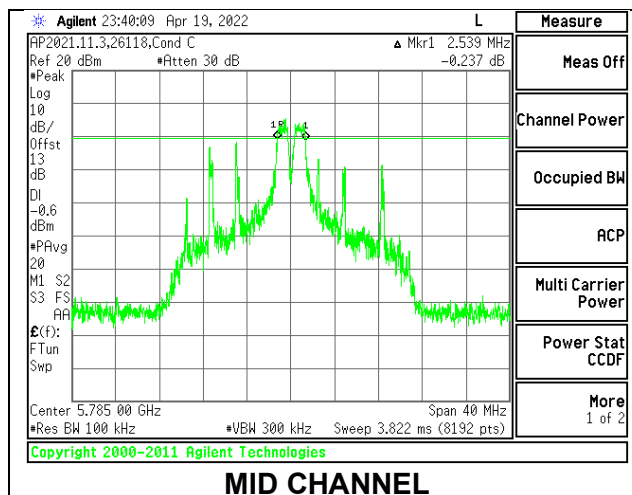
1TX Antenna 6 MODE: 26 Tones, RU Index 0

| Channel | Frequency (MHz) | 6 dB Bandwidth (MHz) | Minimum Limit (MHz) |
|---------|-----------------|----------------------|---------------------|
| Low | 5745 | 1.992 | 0.5 |
| Mid | 5785 | 2.012 | 0.5 |
| High | 5825 | 1.978 | 0.5 |



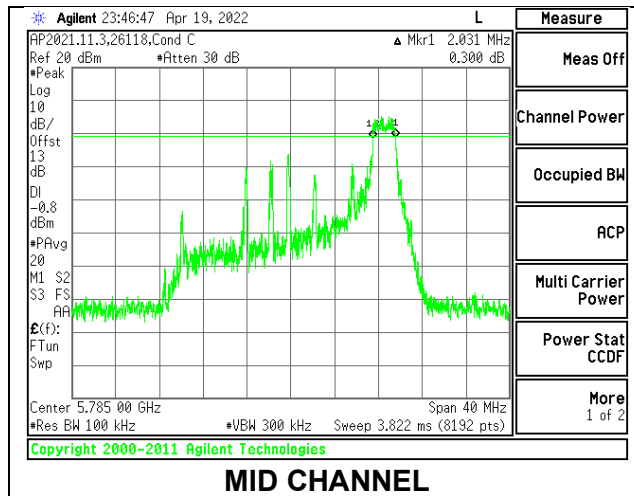
1TX Antenna 6 MODE: 26 Tones, RU Index 4

| Channel | Frequency (MHz) | 6 dB Bandwidth (MHz) | Minimum Limit (MHz) |
|---------|-----------------|----------------------|---------------------|
| Low | 5745 | 2.559 | 0.5 |
| Mid | 5785 | 2.539 | 0.5 |
| High | 5825 | 2.608 | 0.5 |



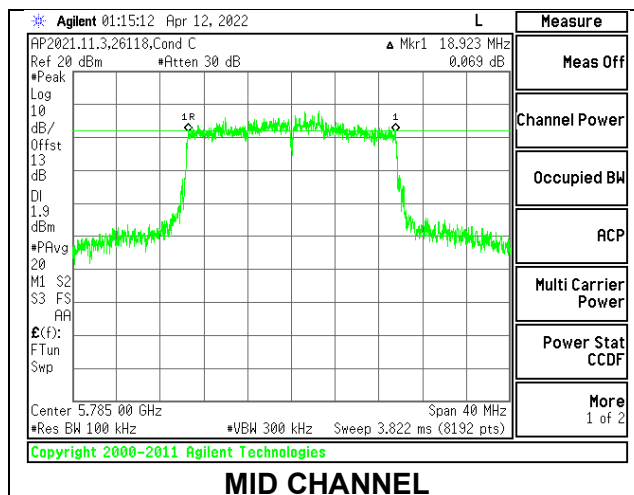
1TX Antenna 6 MODE: 26 Tones, RU Index 8

| Channel | Frequency (MHz) | 6 dB Bandwidth (MHz) | Minimum Limit (MHz) |
|---------|-----------------|----------------------|---------------------|
| Low | 5745 | 2.110 | 0.5 |
| Mid | 5785 | 2.031 | 0.5 |
| High | 5825 | 2.012 | 0.5 |
| 144 | 5720 | 2.066 | 0.5 |



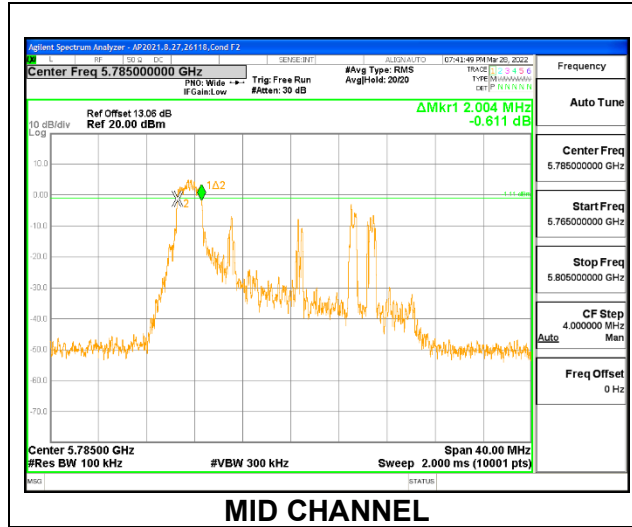
1TX Antenna 6 MODE: SU Mode

| Channel | Frequency (MHz) | 6 dB Bandwidth (MHz) | Minimum Limit (MHz) |
|---------|-----------------|----------------------|---------------------|
| Low | 5745 | 18.860 | 0.5 |
| Mid | 5785 | 18.923 | 0.5 |
| High | 5825 | 18.533 | 0.5 |
| 144 | 5720 | 4.623 | 0.5 |



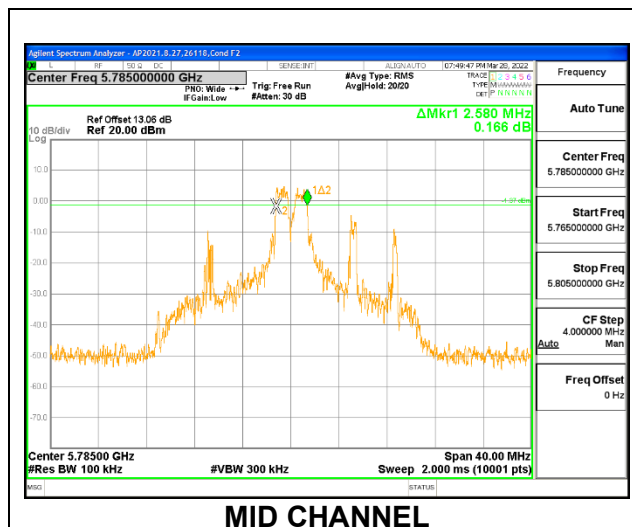
1TX Antenna 5 MODE: 26 Tones, RU Index 0

| Channel | Frequency (MHz) | 6 dB Bandwidth (MHz) | Minimum Limit (MHz) |
|---------|-----------------|----------------------|---------------------|
| Low | 5745 | 1.988 | 0.5 |
| Mid | 5785 | 2.004 | 0.5 |
| High | 5825 | 1.980 | 0.5 |



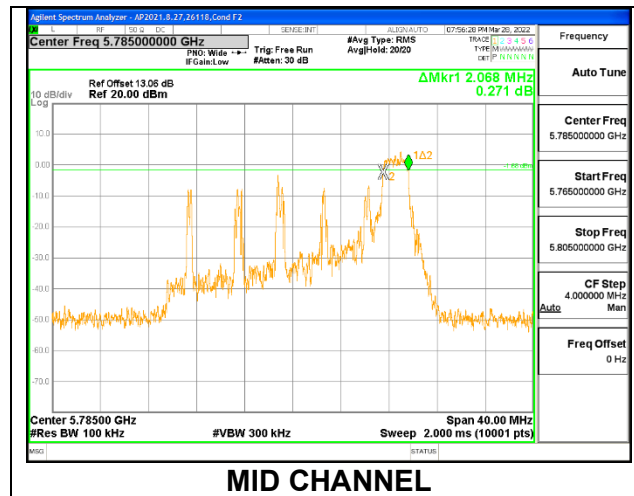
1TX Antenna 5 MODE: 26 Tones, RU Index 4

| Channel | Frequency (MHz) | 6 dB Bandwidth (MHz) | Minimum Limit (MHz) |
|---------|-----------------|----------------------|---------------------|
| Low | 5745 | 2.556 | 0.5 |
| Mid | 5785 | 2.580 | 0.5 |
| High | 5825 | 2.536 | 0.5 |



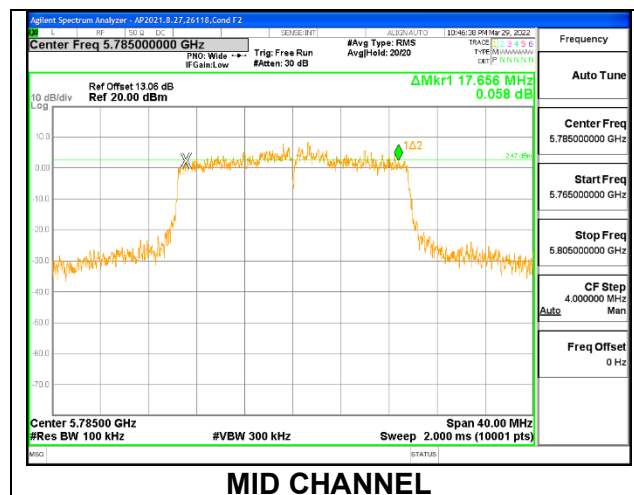
1TX Antenna 5 MODE: 26 Tones, RU Index 8

| Channel | Frequency (MHz) | 6 dB Bandwidth (MHz) | Minimum Limit (MHz) |
|---------|-----------------|----------------------|---------------------|
| Low | 5745 | 2.032 | 0.5 |
| Mid | 5785 | 2.068 | 0.5 |
| High | 5825 | 1.992 | 0.5 |
| 144 | 5720 | 2.000 | 0.5 |



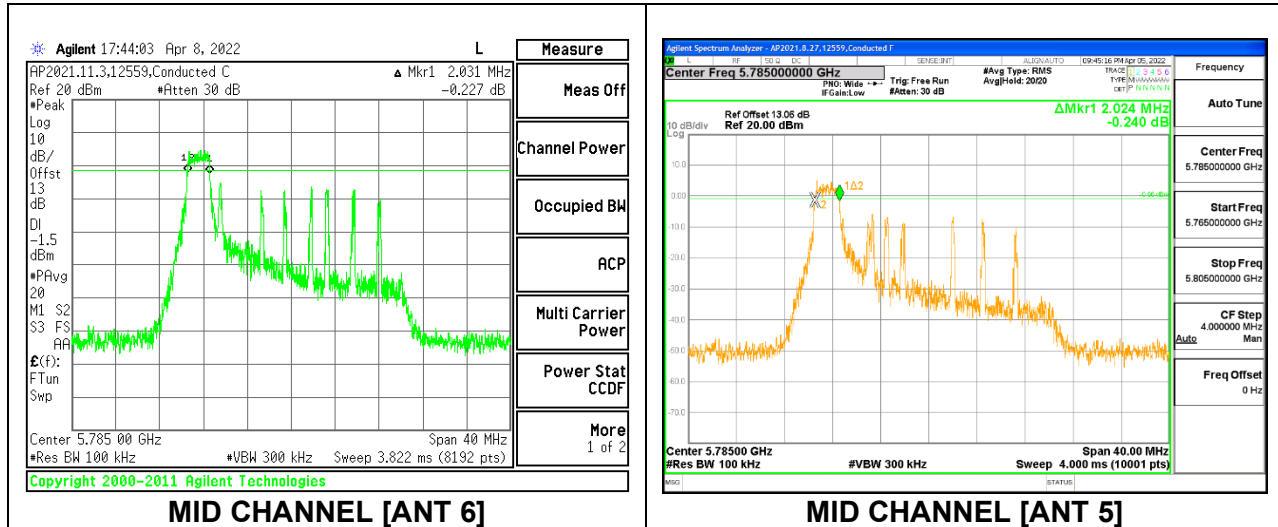
1TX Antenna 5 MODE: SU Mode

| Channel | Frequency (MHz) | 6 dB Bandwidth (MHz) | Minimum Limit (MHz) |
|---------|-----------------|----------------------|---------------------|
| Low | 5745 | 17.240 | 0.5 |
| Mid | 5785 | 17.656 | 0.5 |
| High | 5825 | 18.988 | 0.5 |
| 144 | 5720 | 4.548 | 0.5 |



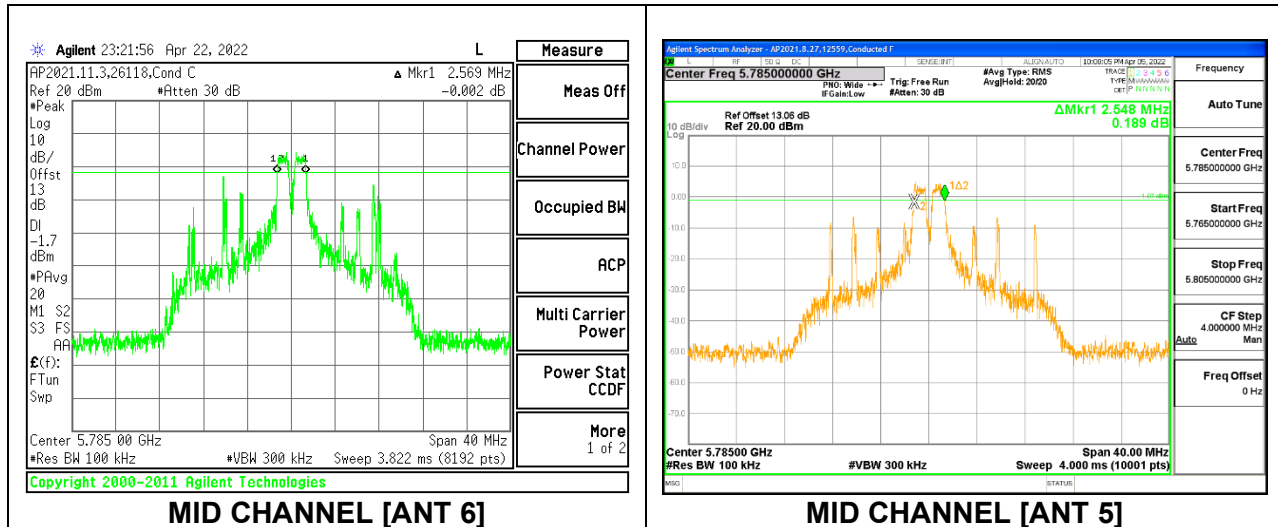
2TX Antenna 6 + Antenna 5 OFDMA MODE: 26 Tones, RU Index 0

| Channel | Frequency (MHz) | 6 dB Bandwidth Antenna 6 (MHz) | 6 dB Bandwidth Antenna 5 (MHz) | Minimum Limit (MHz) |
|---------|-----------------|--------------------------------|--------------------------------|---------------------|
| Low | 5745 | 2.080 | 1.992 | 0.5 |
| Mid | 5785 | 2.031 | 2.024 | 0.5 |
| High | 5825 | 2.046 | 1.964 | 0.5 |



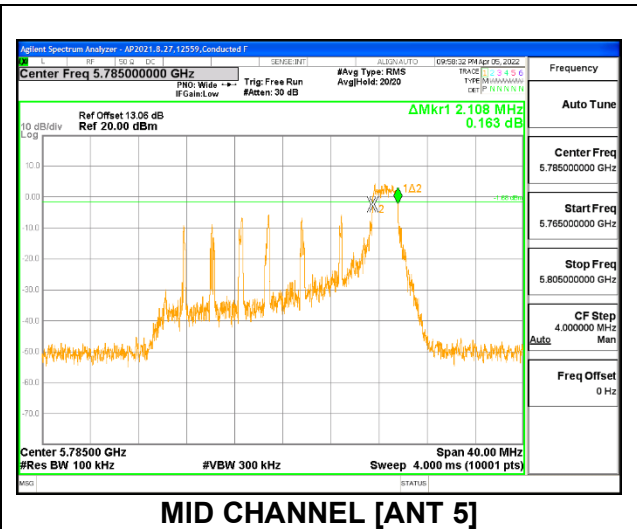
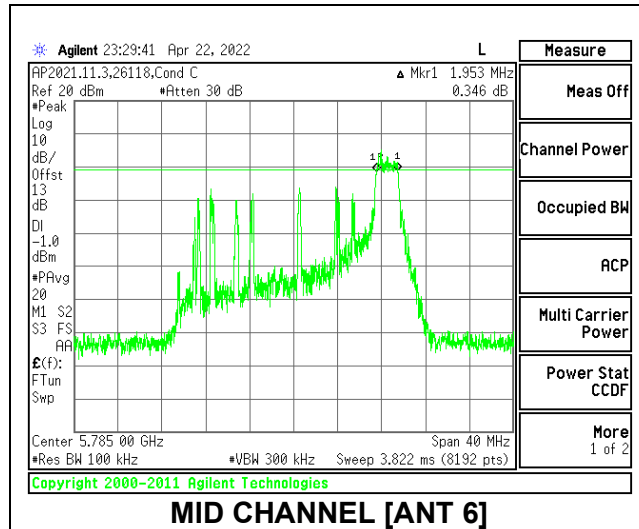
2TX Antenna 6 + Antenna 5 OFDMA MODE: 26 Tones, RU Index 4

| Channel | Frequency (MHz) | 6 dB Bandwidth Antenna 6 (MHz) | 6 dB Bandwidth Antenna 5 (MHz) | Minimum Limit (MHz) |
|---------|-----------------|--------------------------------|--------------------------------|---------------------|
| Low | 5745 | 2.622 | 2.628 | 0.5 |
| Mid | 5785 | 2.569 | 2.548 | 0.5 |
| High | 5825 | 2.588 | 2.524 | 0.5 |



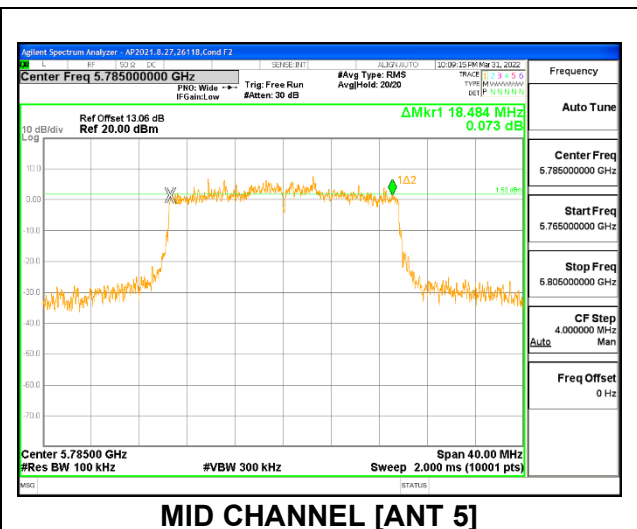
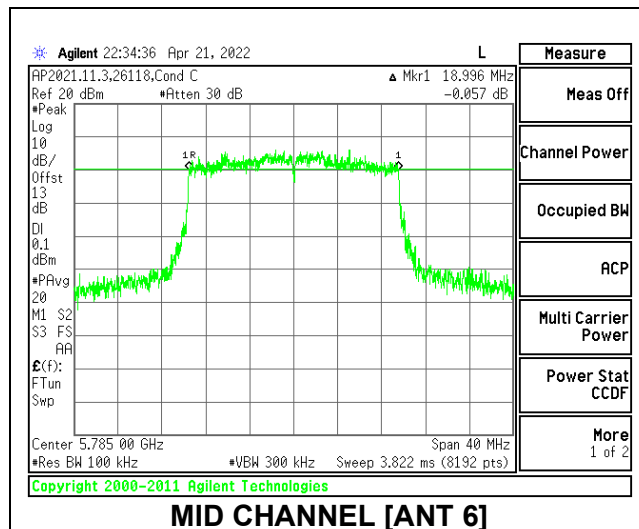
2TX Antenna 6 + Antenna 5 OFDMA MODE: 26 Tones, RU Index 8

| Channel | Frequency (MHz) | 6 dB Bandwidth Antenna 6 (MHz) | 6 dB Bandwidth Antenna 5 (MHz) | Minimum Limit (MHz) |
|---------|-----------------|--------------------------------|--------------------------------|---------------------|
| Low | 5745 | 2.012 | 2.012 | 0.5 |
| Mid | 5785 | 1.953 | 2.108 | 0.5 |
| High | 5825 | 2.105 | 2.020 | 0.5 |
| 144 | 5720 | 1.983 | 1.908 | 0.5 |



2TX Antenna 6 + Antenna 5 OFDMA MODE: SU Mode

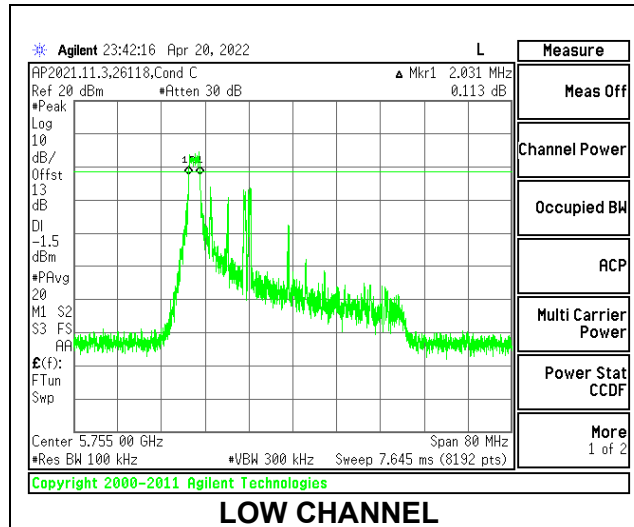
| Channel | Frequency (MHz) | 6 dB Bandwidth Antenna 6 (MHz) | 6 dB Bandwidth Antenna 5 (MHz) | Minimum Limit (MHz) |
|---------|-----------------|--------------------------------|--------------------------------|---------------------|
| Low | 5745 | 18.703 | 17.876 | 0.5 |
| Mid | 5785 | 18.996 | 18.484 | 0.5 |
| High | 5825 | 17.820 | 17.824 | 0.5 |
| 144 | 5720 | 4.257 | 4.572 | 0.5 |



9.3.5. 802.11ax HE40 MODE IN THE 5.8 GHz BAND

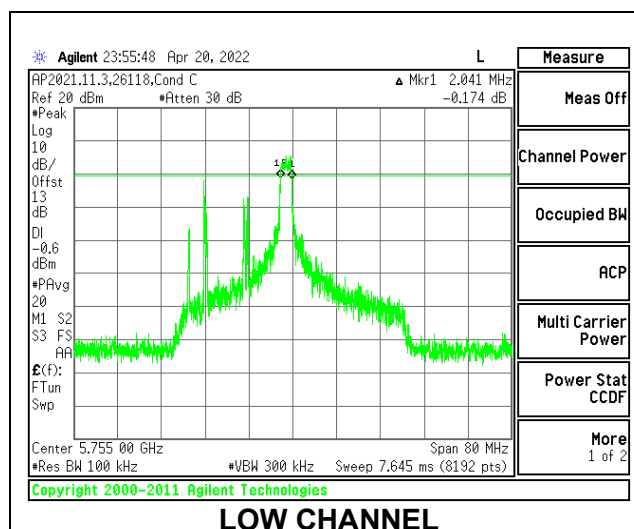
1TX Antenna 6 MODE: 26 Tones, RU Index 0

| Channel | Frequency (MHz) | 6 dB Bandwidth (MHz) | Minimum Limit (MHz) |
|---------|-----------------|----------------------|---------------------|
| Low | 5755 | 2.031 | 0.5 |
| High | 5795 | 2.119 | 0.5 |



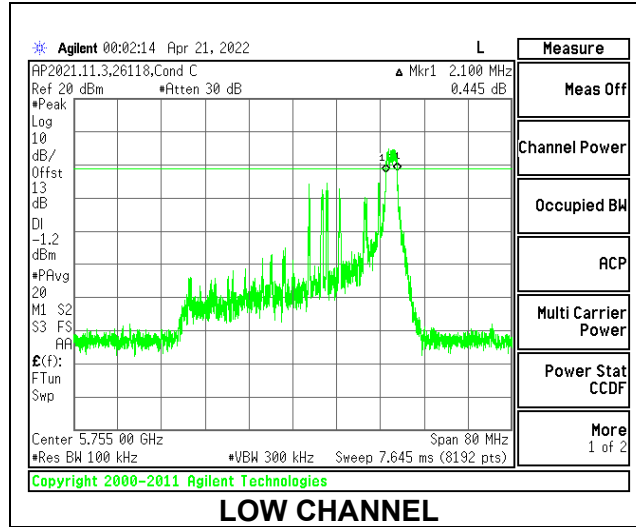
1TX Antenna 6 MODE: 26 Tones, RU Index 8

| Channel | Frequency (MHz) | 6 dB Bandwidth (MHz) | Minimum Limit (MHz) |
|---------|-----------------|----------------------|---------------------|
| Low | 5755 | 2.041 | 0.5 |
| High | 5795 | 2.022 | 0.5 |



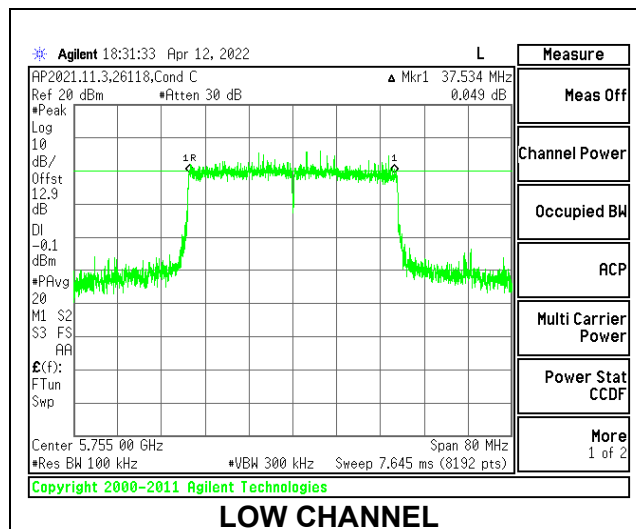
1TX Antenna 6 MODE: 26 Tones, RU Index 17

| Channel | Frequency (MHz) | 6 dB Bandwidth (MHz) | Minimum Limit (MHz) |
|---------|-----------------|----------------------|---------------------|
| Low | 5755 | 2.100 | 0.5 |
| High | 5795 | 2.012 | 0.5 |
| 142 | 5710 | 2.071 | 0.5 |



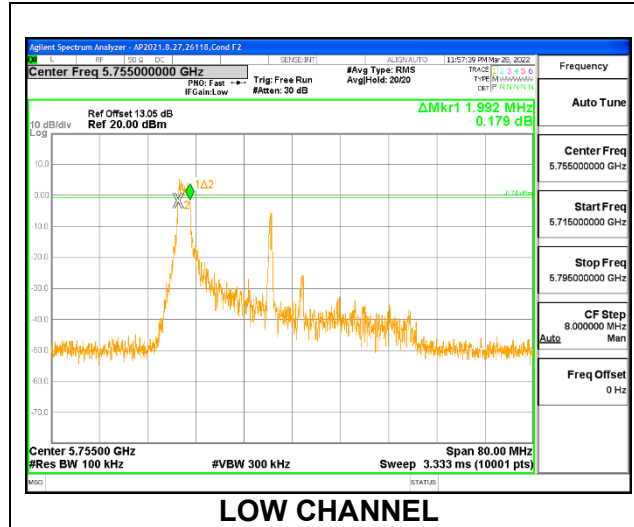
1TX Antenna 6 MODE: SU Mode

| Channel | Frequency (MHz) | 6 dB Bandwidth (MHz) | Minimum Limit (MHz) |
|---------|-----------------|----------------------|---------------------|
| Low | 5755 | 37.534 | 0.5 |
| High | 5795 | 37.934 | 0.5 |
| 142 | 5710 | 4.187 | 0.5 |



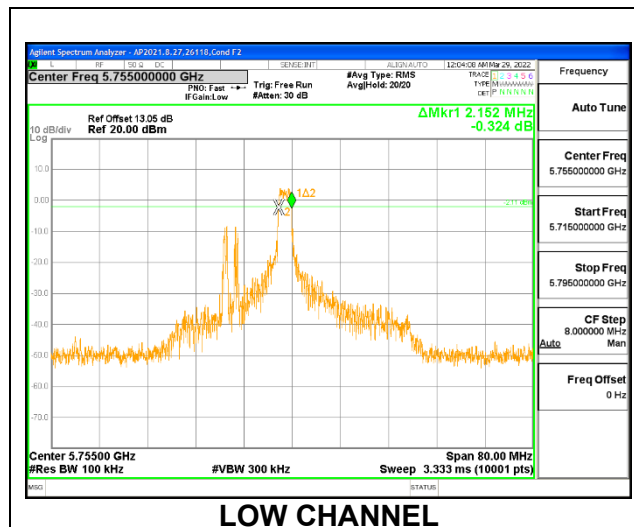
1TX Antenna 5 MODE: 26 Tones, RU Index 0

| Channel | Frequency (MHz) | 6 dB Bandwidth (MHz) | Minimum Limit (MHz) |
|---------|-----------------|----------------------|---------------------|
| Low | 5755 | 1.992 | 0.5 |
| High | 5795 | 2.008 | 0.5 |



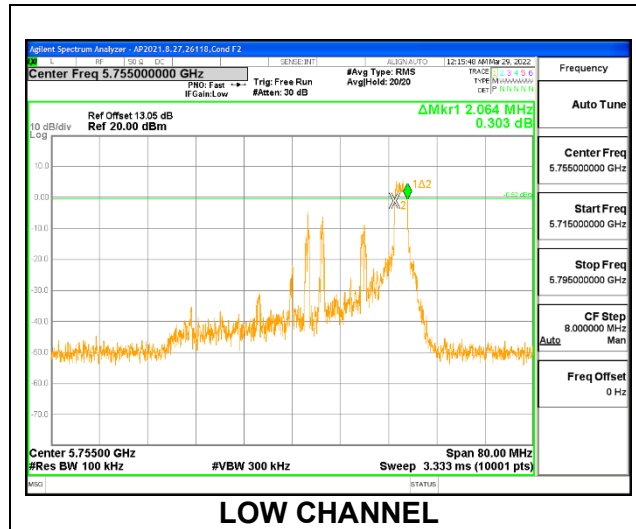
1TX Antenna 5 MODE: 26 Tones, RU Index 8

| Channel | Frequency (MHz) | 6 dB Bandwidth (MHz) | Minimum Limit (MHz) |
|---------|-----------------|----------------------|---------------------|
| Low | 5755 | 2.152 | 0.5 |
| High | 5795 | 2.032 | 0.5 |



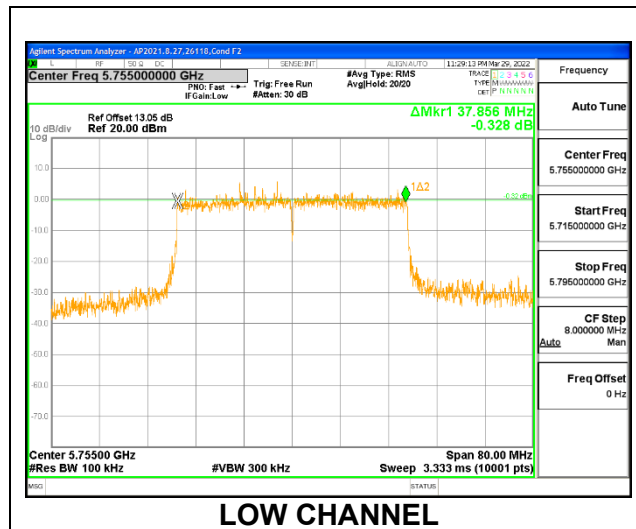
1TX Antenna 5 MODE: 26 Tones, RU Index 17

| Channel | Frequency (MHz) | 6 dB Bandwidth (MHz) | Minimum Limit (MHz) |
|---------|-----------------|----------------------|---------------------|
| Low | 5755 | 2.064 | 0.5 |
| High | 5795 | 2.096 | 0.5 |
| 142 | 5710 | 2.000 | 0.5 |



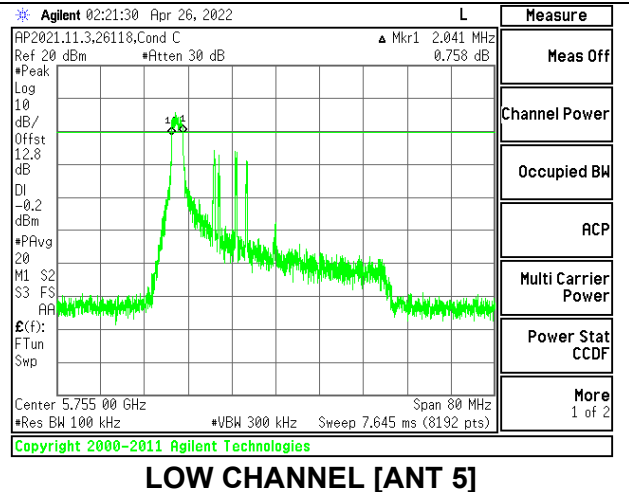
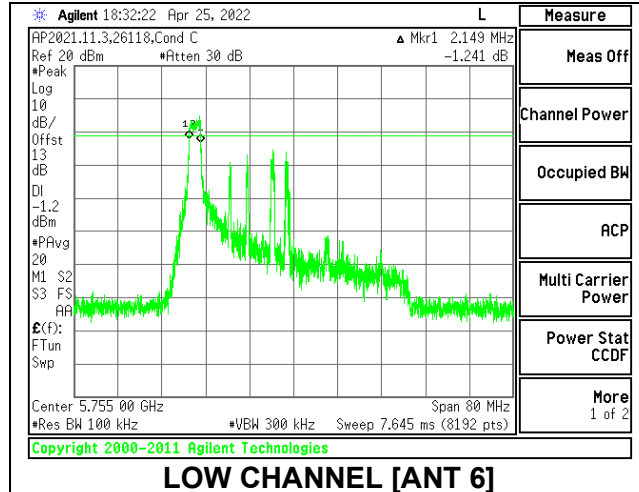
1TX Antenna 5 MODE: SU Mode

| Channel | Frequency (MHz) | 6 dB Bandwidth (MHz) | Minimum Limit (MHz) |
|---------|-----------------|----------------------|---------------------|
| Low | 5755 | 37.856 | 0.5 |
| High | 5795 | 37.792 | 0.5 |
| 142 | 5710 | 4.040 | 0.5 |



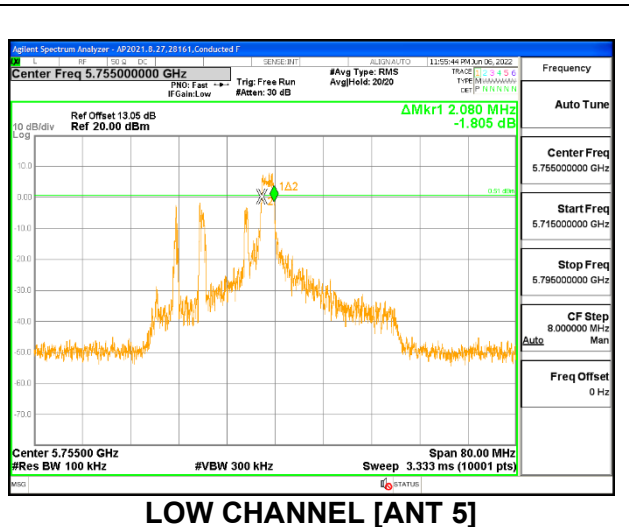
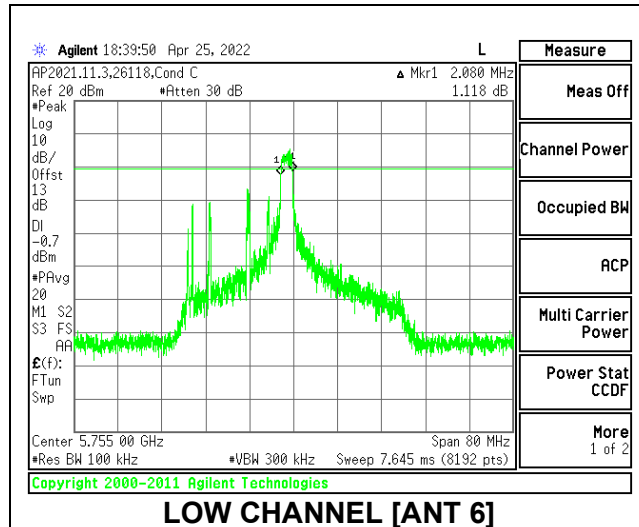
2TX Antenna 6 + Antenna 5 OFDMA MODE: 26 Tones, RU Index 0

| Channel | Frequency (MHz) | 6 dB Bandwidth Antenna 6 (MHz) | 6 dB Bandwidth Antenna 5 (MHz) | Minimum Limit (MHz) |
|---------|-----------------|--------------------------------|--------------------------------|---------------------|
| Low | 5755 | 2.149 | 2.041 | 0.5 |
| High | 5795 | 2.051 | 1.905 | 0.5 |



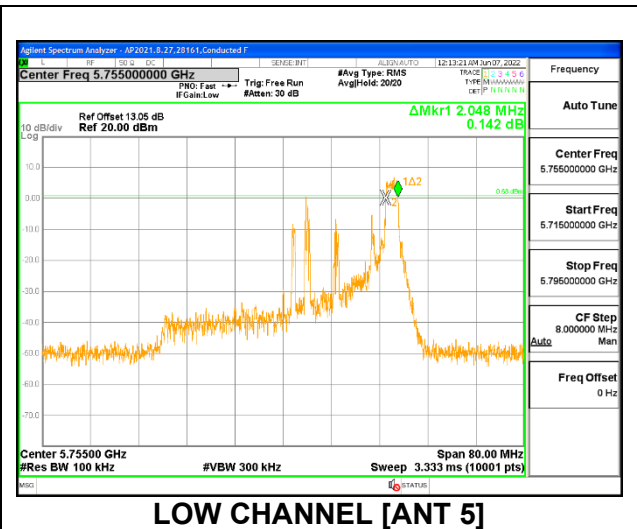
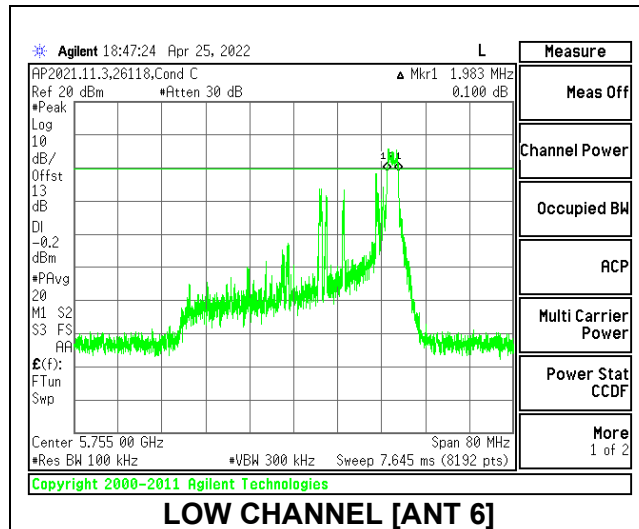
2TX Antenna 6 + Antenna 5 OFDMA MODE: 26 Tones, RU Index 8

| Channel | Frequency (MHz) | 6 dB Bandwidth Antenna 6 (MHz) | 6 dB Bandwidth Antenna 5 (MHz) | Minimum Limit (MHz) |
|---------|-----------------|--------------------------------|--------------------------------|---------------------|
| Low | 5755 | 2.080 | 2.080 | 0.5 |
| High | 5795 | 1.992 | 2.040 | 0.5 |



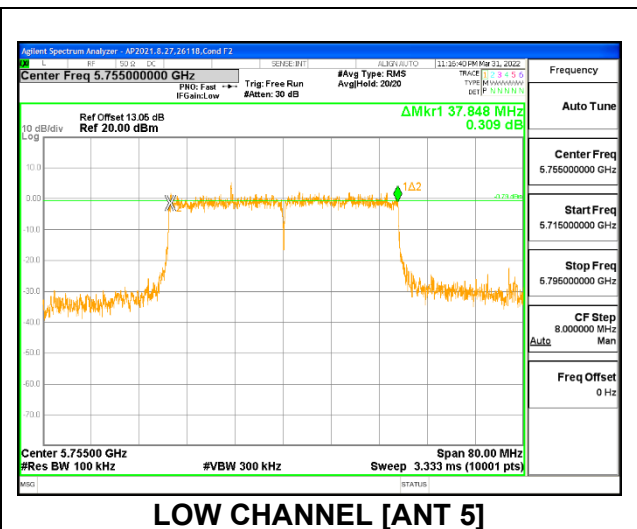
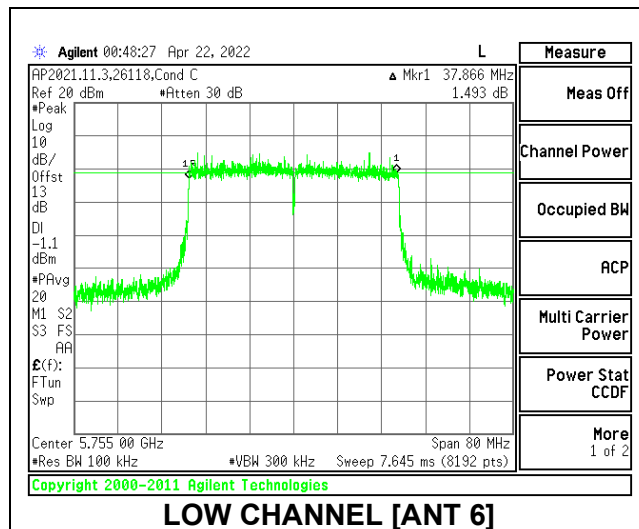
2TX Antenna 6 + Antenna 5 OFDMA MODE: 26 Tones, RU Index 17

| Channel | Frequency (MHz) | 6 dB Bandwidth Antenna 6 (MHz) | 6 dB Bandwidth Antenna 5 (MHz) | Minimum Limit (MHz) |
|---------|-----------------|--------------------------------|--------------------------------|---------------------|
| Low | 5755 | 1.983 | 2.048 | 0.5 |
| High | 5795 | 2.051 | 1.992 | 0.5 |
| 142 | 5710 | 2.100 | 2.000 | 0.5 |



2TX Antenna 6 + Antenna 5 OFDMA MODE: SU Mode

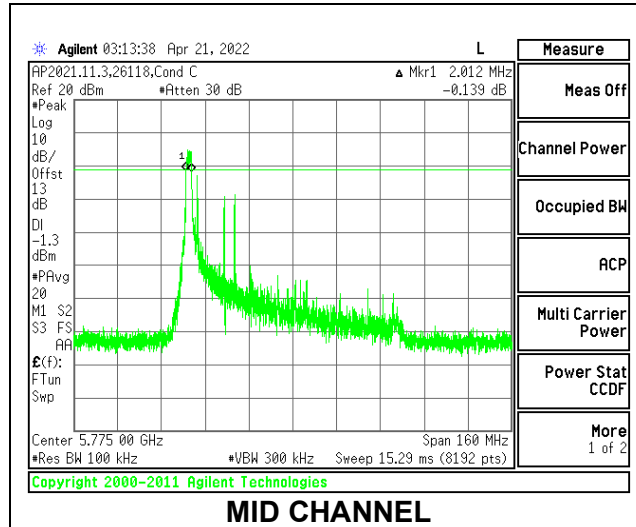
| Channel | Frequency (MHz) | 6 dB Bandwidth Antenna 6 (MHz) | 6 dB Bandwidth Antenna 5 (MHz) | Minimum Limit (MHz) |
|---------|-----------------|--------------------------------|--------------------------------|---------------------|
| Low | 5755 | 37.866 | 37.848 | 0.5 |
| High | 5795 | 37.329 | 37.888 | 0.5 |
| 142 | 5710 | 3.874 | 4.072 | 0.5 |



9.3.6. 802.11ax HE80 MODE IN THE 5.8 GHz BAND

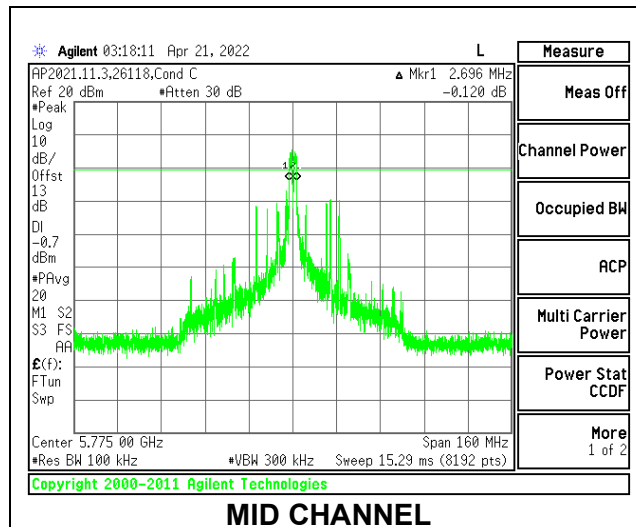
1TX Antenna 6 MODE: 26 Tones, RU Index 0

| Channel | Frequency (MHz) | 6 dB Bandwidth (MHz) | Minimum Limit (MHz) |
|---------|-----------------|----------------------|---------------------|
| Mid | 5775 | 2.012 | 0.5 |



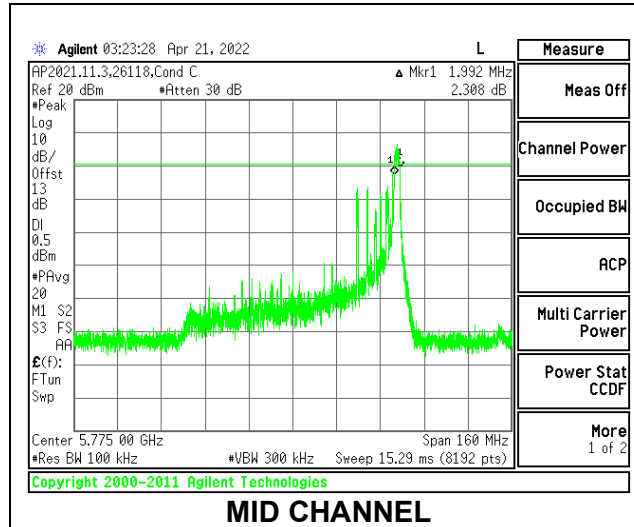
1TX Antenna 6 MODE: 26 Tones, RU Index 18

| Channel | Frequency (MHz) | 6 dB Bandwidth (MHz) | Minimum Limit (MHz) |
|---------|-----------------|----------------------|---------------------|
| Mid | 5775 | 2.696 | 0.5 |



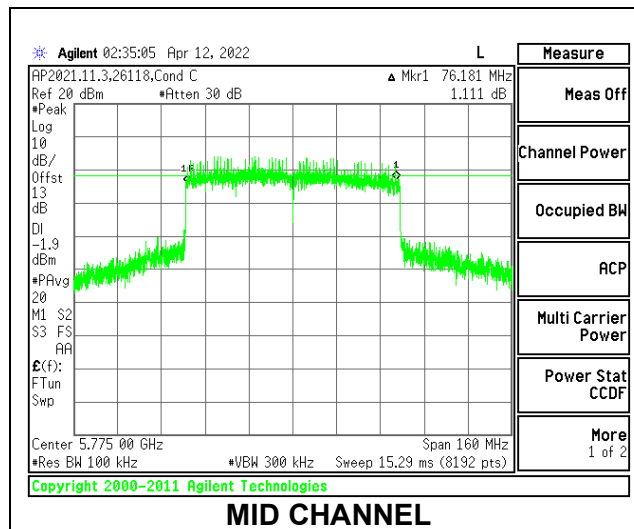
1TX Antenna 6 MODE: 26 Tones, RU Index 36

| Channel | Frequency (MHz) | 6 dB Bandwidth (MHz) | Minimum Limit (MHz) |
|---------|-----------------|----------------------|---------------------|
| Mid | 5775 | 1.992 | 0.5 |
| 138 | 5690 | 1.973 | 0.5 |



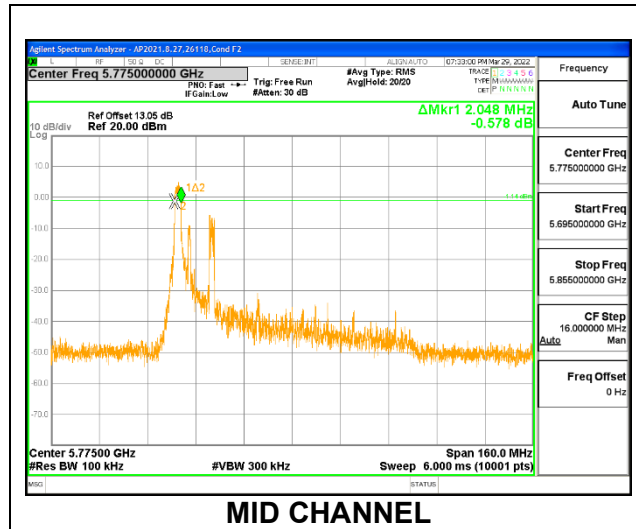
1TX Antenna 6 MODE: SU Mode

| Channel | Frequency (MHz) | 6 dB Bandwidth (MHz) | Minimum Limit (MHz) |
|---------|-----------------|----------------------|---------------------|
| Mid | 5775 | 76.181 | 0.5 |
| 138 | 5690 | 3.940 | 0.5 |



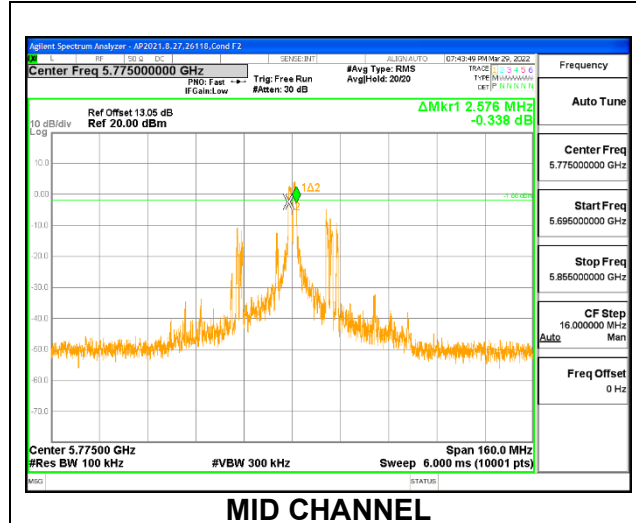
1TX Antenna 5 MODE: 26 Tones, RU Index 0

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



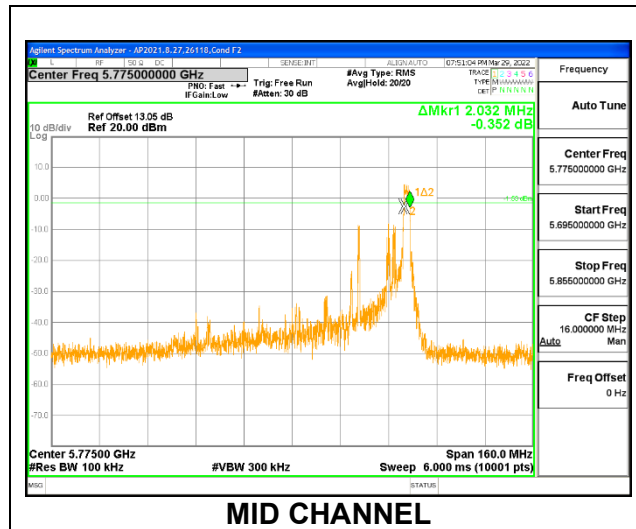
1TX Antenna 5 MODE: 26 Tones, RU Index 18

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



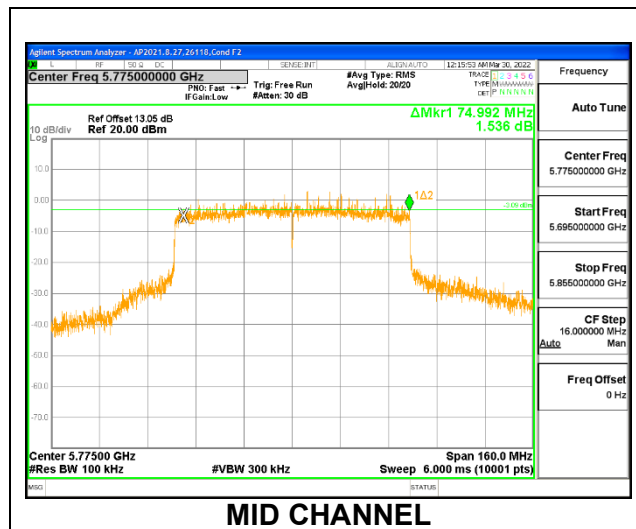
1TX Antenna 5 MODE: 26 Tones, RU Index 36

| Channel | Frequency (MHz) | 6 dB Bandwidth (MHz) | Minimum Limit (MHz) |
|---------|-----------------|----------------------|---------------------|
| Mid | 5775 | 2.032 | 0.5 |
| 138 | 5690 | 2.000 | 0.5 |



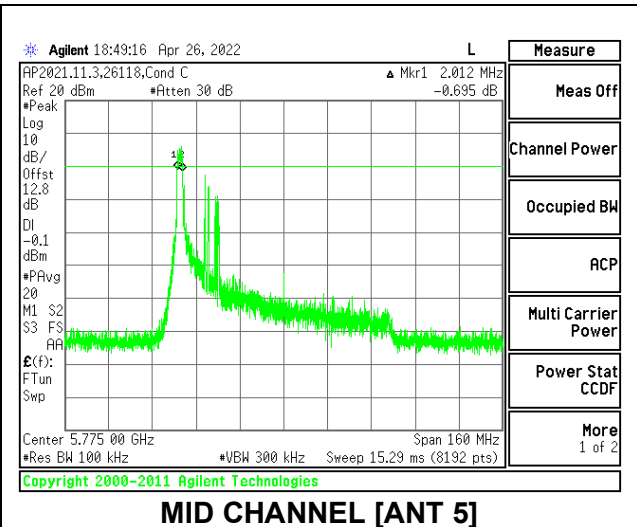
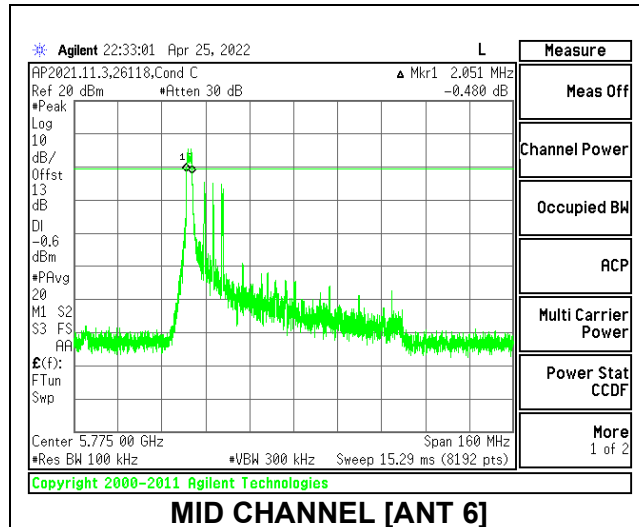
1TX Antenna 5 MODE: SU Mode

| Channel | Frequency (MHz) | 6 dB Bandwidth (MHz) | Minimum Limit (MHz) |
|---------|-----------------|----------------------|---------------------|
| Mid | 5775 | 74.992 | 0.5 |
| 138 | 5690 | 3.880 | 0.5 |



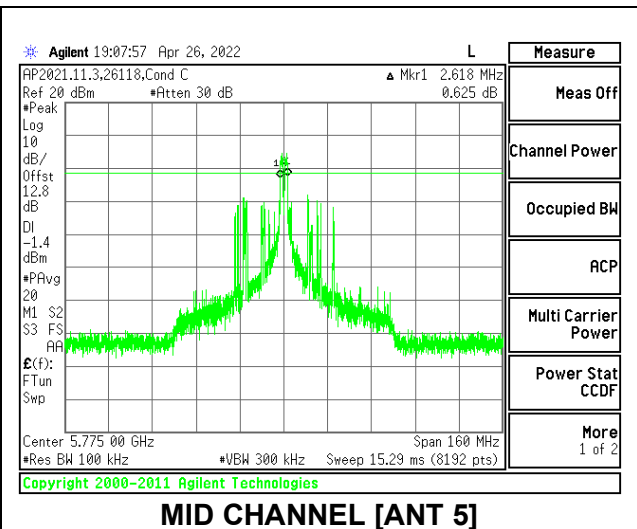
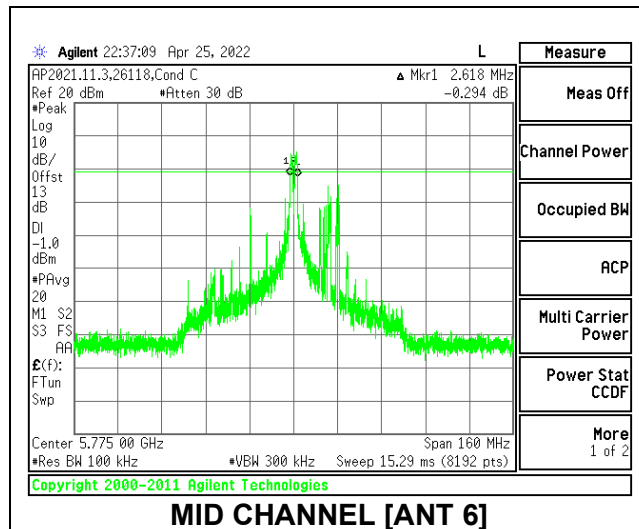
2TX Antenna 6 + Antenna 5 OFDMA MODE: 26 Tones, RU Index 0

| Channel | Frequency (MHz) | 6 dB Bandwidth Antenna 6 (MHz) | 6 dB Bandwidth Antenna 5 (MHz) | Minimum Limit (MHz) |
|---------|-----------------|--------------------------------|--------------------------------|---------------------|
| Mid | 5775 | 2.051 | 2.012 | 0.5 |



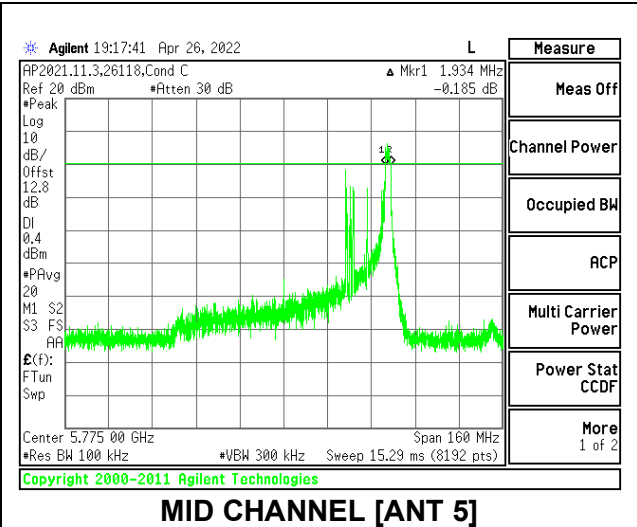
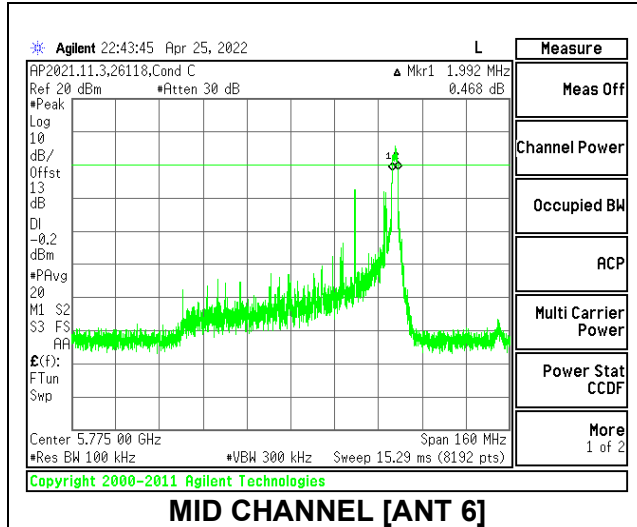
2TX Antenna 6 + Antenna 5 OFDMA MODE: 26 Tones, RU Index 18

| Channel | Frequency (MHz) | 6 dB Bandwidth Antenna 6 (MHz) | 6 dB Bandwidth Antenna 5 (MHz) | Minimum Limit (MHz) |
|---------|-----------------|--------------------------------|--------------------------------|---------------------|
| Mid | 5775 | 2.618 | 2.618 | 0.5 |



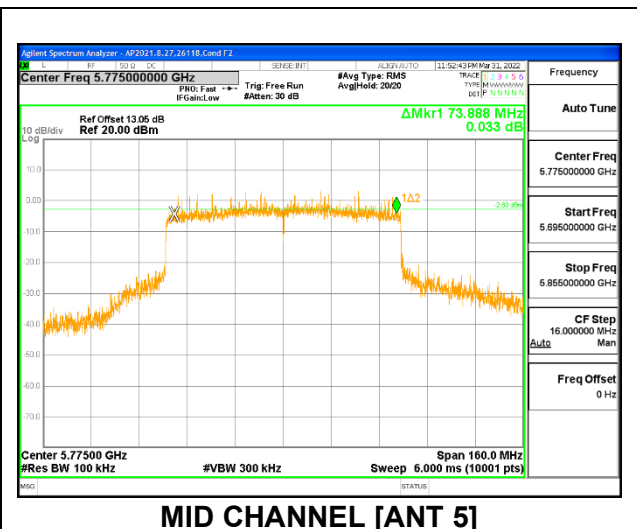
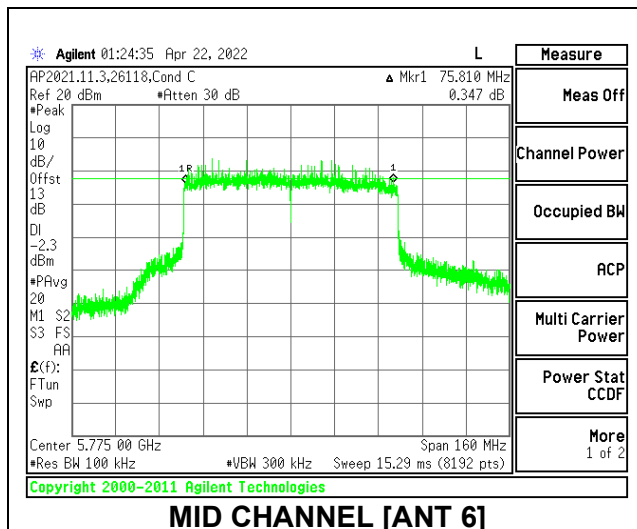
2TX Antenna 6 + Antenna 5 OFDMA MODE: 26 Tones, RU Index 36

| Channel | Frequency (MHz) | 6 dB Bandwidth Antenna 6 (MHz) | 6 dB Bandwidth Antenna 5 (MHz) | Minimum Limit (MHz) |
|---------|-----------------|--------------------------------|--------------------------------|---------------------|
| Mid | 5775 | 1.992 | 1.934 | 0.5 |
| 138 | 5690 | 1.968 | 1.904 | 0.5 |



2TX Antenna 6 + Antenna 5 OFDMA MODE: SU Mode

| Channel | Frequency (MHz) | 6 dB Bandwidth Antenna 6 (MHz) | 6 dB Bandwidth Antenna 5 (MHz) | Minimum Limit (MHz) |
|---------|-----------------|--------------------------------|--------------------------------|---------------------|
| Mid | 5775 | 75.810 | 73.888 | 0.5 |
| 138 | 5690 | 3.921 | 4.072 | 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 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 is reported in the 5.6GHz section. The combined 5.6GHz and 5.8GHz power already passed the worst case 5.6GHz 24dBm limit, therefore there is no need to provide the 5.8GHz power.

11n HT20 and 11ax HE20 straddle channel 26dB bandwidth= (26dB 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 (GHz) | ANT 6 Gain (dBi) | ANT 5 Gain (dBi) | Uncorrelated Chains Directional Gain (dBi) | Correlated Chains Directional Gain (dBi) |
|------------|------------------|------------------|--|--|
| 5.2 | -4.60 | -1.20 | -2.58 | 0.28 |
| 5.3 | -5.20 | -0.40 | -2.17 | 0.54 |
| 5.6 | -2.70 | -2.50 | -2.60 | 0.41 |
| 5.8 | -3.70 | -1.70 | -2.59 | 0.37 |

DIRECTIONAL GAIN CALCULATION:

ANSI C63.10-2013 section 14.4.3

Uncorrelated directional gain= $10 \cdot \text{LOG}((10^{\text{Ant1}/10} + 10^{\text{Ant2}/10})/2)$ Correlated directional Gain= $10 \cdot \text{LOG}(((10^{\text{Ant1}/20} + 10^{\text{Ant2}/20})^2)/2)$

Sample Calculation at 5.2GHz Band:

Ant1 = -4.60, Ant2 = -1.20

Uncorrelated Antenna gain = $10 \log[(10^{(-4.60/10)} + 10^{(-1.20/10)})/2] = -2.58$ Correlated Antenna gain = $10 \log[(10^{(-4.60/20)} + 10^{(-1.20/20)})^2/2] = 0.28$ **RESULTS**

9.4.1. 802.11n HT20 MODE IN THE 5.2 GHz BAND

1TX Antenna 6 MODE (FCC) MOBILE)

| | |
|----------------|-----------|
| Test Engineer: | 26118 |
| Test Date: | 4/19/2022 |

Antenna Gain and Limits

| Channel | Frequency (MHz) | Directional Gain (dBi) | Power Limit (dBm) | PSD Limit (dBm/1MHz) |
|---------|-----------------|------------------------|-------------------|----------------------|
| Low | 5180 | -4.60 | 24.00 | 11.00 |
| Mid | 5200 | -4.60 | 24.00 | 11.00 |
| High | 5240 | -4.60 | 24.00 | 11.00 |

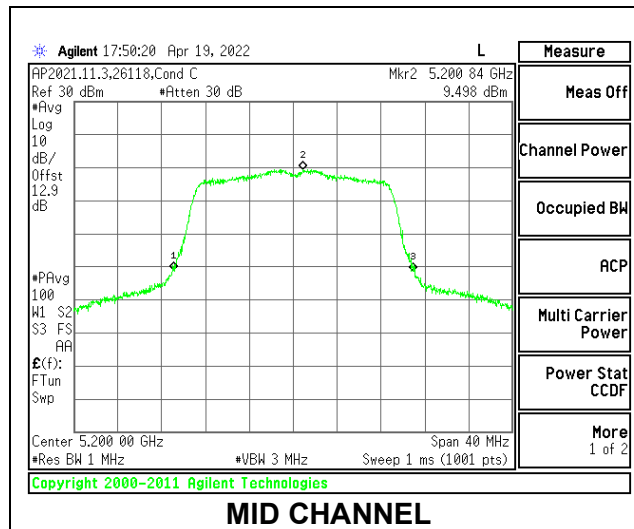
| | | |
|--------------------|------|--|
| Duty Cycle CF (dB) | 0.10 | Included in Calculations of Corr'd PSD |
|--------------------|------|--|

Output Power Results

| Channel | Frequency (MHz) | Antenna 6 Meas Power (dBm) | Total Corr'd Power (dBm) | Power Limit (dBm) | Power Margin (dB) |
|---------|-----------------|----------------------------|--------------------------|-------------------|-------------------|
| Low | 5180 | 18.73 | 18.73 | 24.00 | -5.27 |
| Mid | 5200 | 19.15 | 19.15 | 24.00 | -4.85 |
| High | 5240 | 19.17 | 19.17 | 24.00 | -4.83 |

PSD Results

| Channel | Frequency (MHz) | Antenna 6 Meas PSD (dBm/1MHz) | Total Corr'd PSD (dBm/1MHz) | PSD Limit (dBm/1MHz) | PSD Margin (dB) |
|---------|-----------------|-------------------------------|-----------------------------|----------------------|-----------------|
| Low | 5180 | 9.180 | 9.280 | 11.00 | -1.720 |
| Mid | 5200 | 9.498 | 9.598 | 11.00 | -1.402 |
| High | 5240 | 9.752 | 9.852 | 11.00 | -1.148 |



1TX Antenna 5 MODE (FCC) MOBILE

| | |
|-----------------------|------------|
| Test Engineer: | 26118 |
| Test Date: | 03/30/2022 |

Antenna Gain and Limits

| Channel | Frequency (MHz) | Directional Gain (dBi) | Power Limit (dBm) | PSD Limit (dBm/ 1MHz) |
|---------|-----------------|------------------------|-------------------|-----------------------|
| Low | 5180 | -1.20 | 24.00 | 11.00 |
| Mid | 5200 | -1.20 | 24.00 | 11.00 |
| High | 5240 | -1.20 | 24.00 | 11.00 |

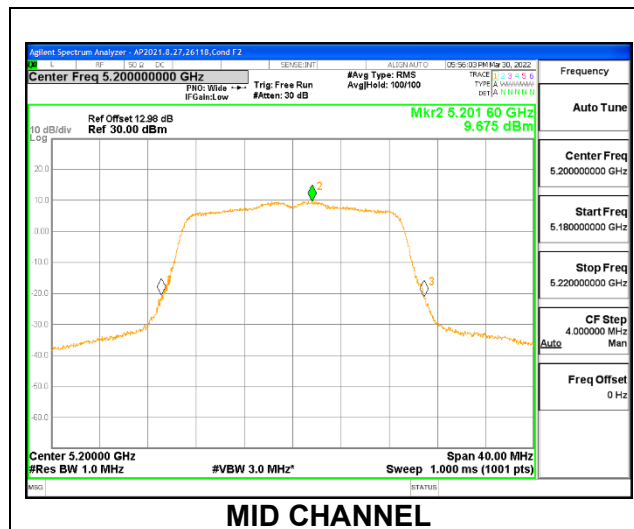
| | | |
|---------------------------|------|---|
| Duty Cycle CF (dB) | 0.10 | Included in Calculations of Corr'd PSD |
|---------------------------|------|---|

Output Power Results

| Channel | Frequency (MHz) | Antenna 5 Meas Power (dBm) | Total Corr'd Power (dBm) | Power Limit (dBm) | Power Margin (dB) |
|---------|-----------------|----------------------------|--------------------------|-------------------|-------------------|
| Low | 5180 | 18.65 | 18.65 | 24.00 | -5.35 |
| Mid | 5200 | 19.24 | 19.24 | 24.00 | -4.76 |
| High | 5240 | 19.22 | 19.22 | 24.00 | -4.78 |

PSD Results

| Channel | Frequency (MHz) | Antenna 5 Meas PSD (dBm/1MHz) | Total Corr'd PSD (dBm/1MHz) | PSD Limit (dBm/ 1MHz) | PSD Margin (dB) |
|---------|-----------------|-------------------------------|-----------------------------|-----------------------|-----------------|
| Low | 5180 | 8.968 | 9.068 | 11.00 | -1.932 |
| Mid | 5200 | 9.675 | 9.775 | 11.00 | -1.225 |
| High | 5240 | 9.849 | 9.949 | 11.00 | -1.051 |



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

| | |
|-----------------------|------------|
| Test Engineer: | 26118 |
| Test Date: | 04/21/2022 |

Antenna Gain and Limits

| Channel | Frequency (MHz) | Directional Gain for Power (dBi) | Directional Gain for PSD (dBi) | Power Limit (dBm) | PSD Limit (dBm/ 1MHz) |
|---------|--------------------|---|---|-------------------------|-----------------------------|
| Low | 5180 | -2.58 | 0.28 | 24.00 | 11.00 |
| Mid | 5200 | -2.58 | 0.28 | 24.00 | 11.00 |
| High | 5240 | -2.58 | 0.28 | 24.00 | 11.00 |

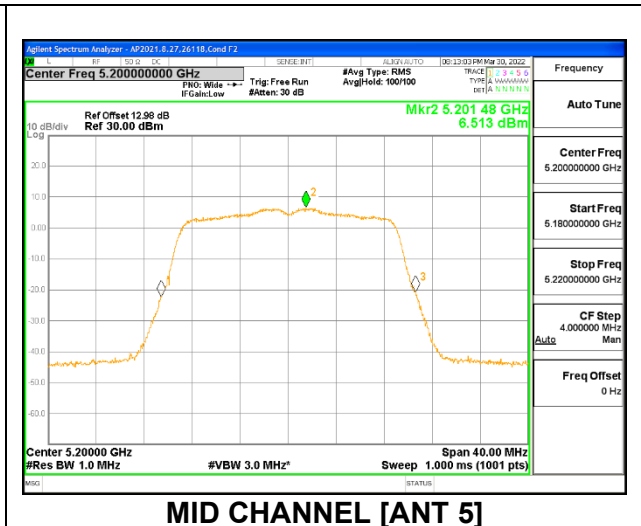
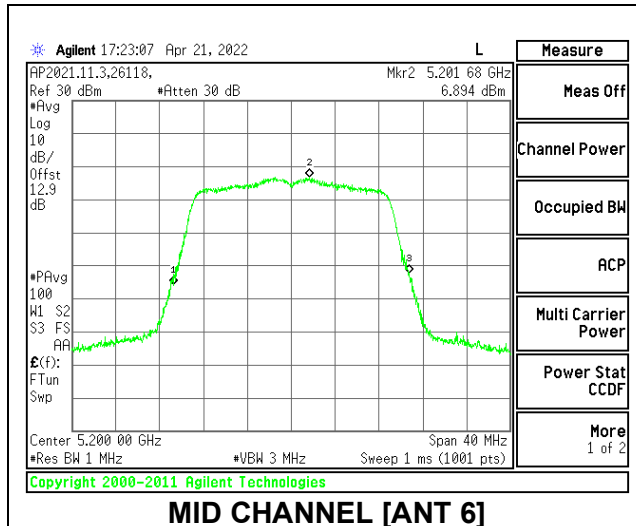
| | | |
|---------------------------|------|---|
| Duty Cycle CF (dB) | 0.10 | Included in Calculations of Corr'd PSD |
|---------------------------|------|---|

Output Power Results

| Channel | Frequency (MHz) | Antenna 6 Meas Power (dBm) | Antenna 5 Meas Power (dBm) | Total Corr'd Power (dBm) | Power Limit (dBm) | Power Margin (dB) |
|---------|--------------------|-------------------------------------|-------------------------------------|-----------------------------------|-------------------------|-------------------------|
| Low | 5180 | 16.23 | 16.16 | 19.21 | 24.00 | -4.79 |
| Mid | 5200 | 16.21 | 16.12 | 19.18 | 24.00 | -4.82 |
| High | 5240 | 16.14 | 16.25 | 19.21 | 24.00 | -4.79 |

PSD Results

| Channel | Frequency (MHz) | Antenna 6 Meas PSD (dBm/1MHz) | Antenna 5 Meas PSD (dBm/1MHz) | Total Corr'd PSD (dBm/1MHz) | PSD Limit (dBm/ 1MHz) | PSD Margin (dB) |
|---------|--------------------|--|--|--------------------------------------|-----------------------------|-----------------------|
| Low | 5180 | 6.798 | 6.498 | 9.76 | 11.00 | -1.239 |
| Mid | 5200 | 6.894 | 6.513 | 9.82 | 11.00 | -1.182 |
| High | 5240 | 6.606 | 6.828 | 9.83 | 11.00 | -1.171 |



9.4.2. 802.11n HT40 MODE IN THE 5.2 GHz BAND

1TX Antenna 6 MODE (FCC) MOBILE

| | |
|----------------|------------|
| Test Engineer: | 26118 |
| Test Date: | 04/19/2022 |

Antenna Gain and Limits

| Channel | Frequency (MHz) | Directional Gain for Power (dBi) | Power Limit (dBm) | PSD Limit (dBm/ 1MHz) |
|---------|-----------------|----------------------------------|-------------------|-----------------------|
| Low | 5190 | -4.60 | 24.00 | 11.00 |
| High | 5230 | -4.60 | 24.00 | 11.00 |

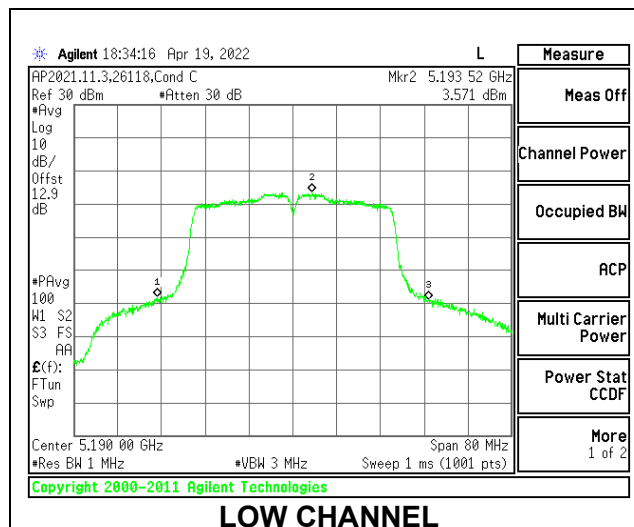
| | | |
|--------------------|------|--|
| Duty Cycle CF (dB) | 0.17 | Included in Calculations of Corr'd PSD |
|--------------------|------|--|

Output Power Results

| Channel | Frequency (MHz) | Antenna 6 Meas Power (dBm) | Total Corr'd Power (dBm) | Power Limit (dBm) | Power Margin (dB) |
|---------|-----------------|----------------------------|--------------------------|-------------------|-------------------|
| Low | 5190 | 16.24 | 16.24 | 24.00 | -7.76 |
| High | 5230 | 20.16 | 20.16 | 24.00 | -3.84 |

PSD Results

| Channel | Frequency (MHz) | Antenna 6 Meas PSD (dBm/1MHz) | Total Corr'd PSD (dBm/1MHz) | PSD Limit (dBm/ 1MHz) | PSD Margin (dB) |
|---------|-----------------|-------------------------------|-----------------------------|-----------------------|-----------------|
| Low | 5190 | 3.571 | 3.741 | 11.00 | -7.259 |
| High | 5230 | 7.717 | 7.887 | 11.00 | -3.113 |



1TX Antenna 5 MODE (FCC) MOBILE

| | |
|----------------|------------|
| Test Engineer: | 26118 |
| Test Date: | 03/30/2022 |

| | | | | |
|------|------|-------|-------|-------|
| High | 5230 | -1.20 | 24.00 | 11.00 |
|------|------|-------|-------|-------|

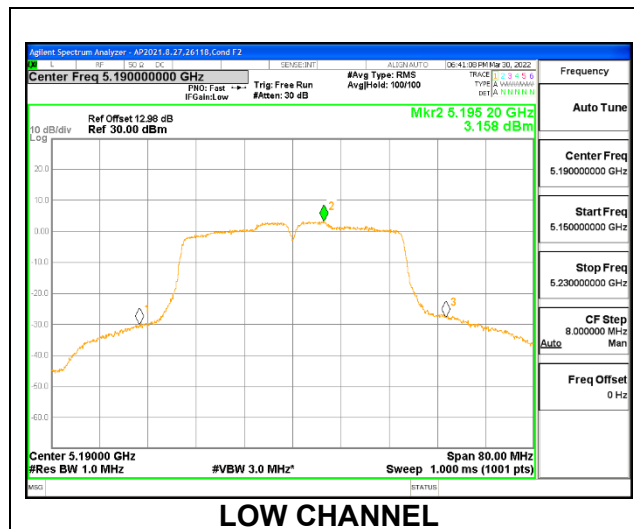
| | | |
|--------------------|------|--|
| Duty Cycle CF (dB) | 0.17 | Included in Calculations of Corr'd PSD |
|--------------------|------|--|

Output Power Results

| Channel | Frequency (MHz) | Antenna 5 Meas Power (dBm) | Total Corr'd Power (dBm) | Power Limit (dBm) | Power Margin (dB) |
|---------|-----------------|----------------------------|--------------------------|-------------------|-------------------|
| Low | 5190 | 16.17 | 16.17 | 24.00 | -7.83 |
| High | 5230 | 20.23 | 20.23 | 24.00 | -3.77 |

PSD Results

| Channel | Frequency (MHz) | Antenna 5 Meas PSD (dBm/1MHz) | Total Corr'd PSD (dBm/1MHz) | PSD Limit (dBm/ 1MHz) | PSD Margin (dB) |
|---------|-----------------|-------------------------------|-----------------------------|-----------------------|-----------------|
| Low | 5190 | 3.158 | 3.328 | 11.00 | -7.672 |
| High | 5230 | 7.933 | 8.103 | 11.00 | -2.897 |



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

| | |
|-----------------------|----------|
| Test Engineer: | 26118 |
| Test Date: | 03/30/22 |

Antenna Gain and Limits

| Channel | Frequency (MHz) | Directional Gain for Power (dBi) | Directional Gain for PSD (dBi) | Power Limit (dBm) | PSD Limit (dBm/ 1MHz) |
|---------|--------------------|---|---|-------------------------|-----------------------------|
| Low | 5190 | -2.58 | 0.28 | 24.00 | 11.00 |
| High | 5230 | -2.58 | 0.28 | 24.00 | 11.00 |

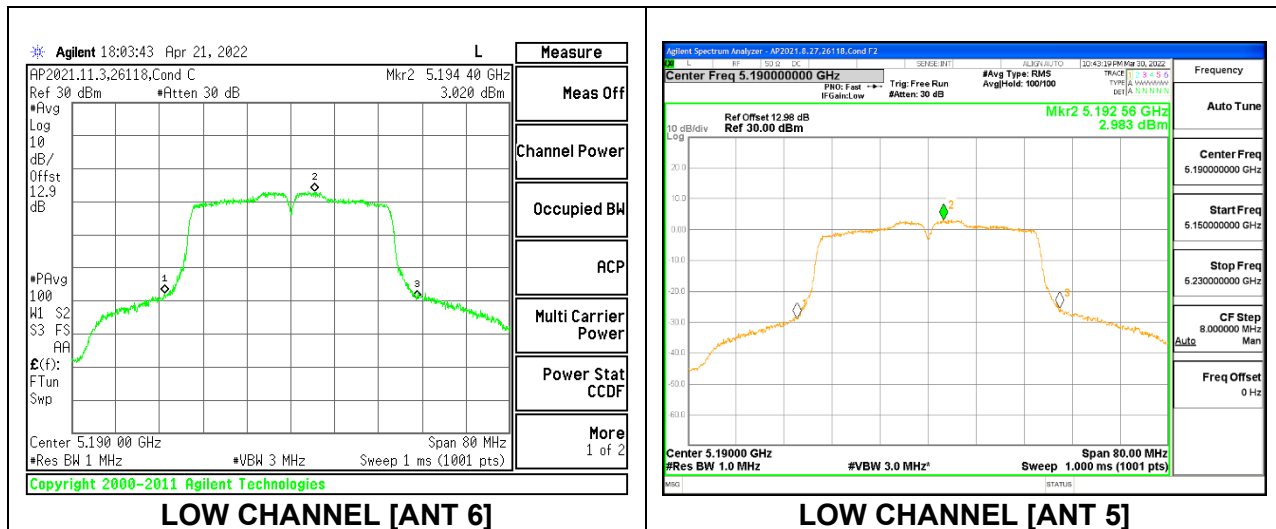
| | | |
|---------------------------|------|---|
| Duty Cycle CF (dB) | 0.17 | Included in Calculations of Corr'd PSD |
|---------------------------|------|---|

Output Power Results

| Channel | Frequency (MHz) | Antenna 6 Meas Power (dBm) | Antenna 5 Meas Power (dBm) | Total Corr'd Power (dBm) | Power Limit (dBm) | Power Margin (dB) |
|---------|--------------------|-------------------------------------|-------------------------------------|-----------------------------------|-------------------------|-------------------------|
| Low | 5190 | 15.73 | 15.64 | 18.70 | 24.00 | -5.30 |
| High | 5230 | 19.14 | 19.23 | 22.20 | 24.00 | -1.80 |

PSD Results

| Channel | Frequency (MHz) | Antenna 6 Meas PSD (dBm/1MHz) | Antenna 5 Meas PSD (dBm/1MHz) | Total Corr'd PSD (dBm/1MHz) | PSD Limit (dBm/ 1MHz) | PSD Margin (dB) |
|---------|--------------------|--|--|--------------------------------------|-----------------------------|-----------------------|
| Low | 5190 | 3.020 | 2.983 | 6.18 | 11.00 | -4.818 |
| High | 5230 | 6.603 | 6.664 | 9.81 | 11.00 | -1.186 |



9.4.3. 802.11ac VHT80 MODE IN THE 5.2 GHz BAND

1TX Antenna 6 MODE (FCC) MOBILE

| | |
|----------------|------------|
| Test Engineer: | 26188 |
| Test Date: | 04/11/2022 |

Antenna Gain and Limits

| Channel | Frequency (MHz) | Directional Gain for Power (dBi) | Power Limit (dBm) | PSD Limit (dBm/ 1MHz) |
|---------|--------------------|---|-------------------------|-----------------------------|
| Mid | 5210 | -4.60 | 24.00 | 11.00 |

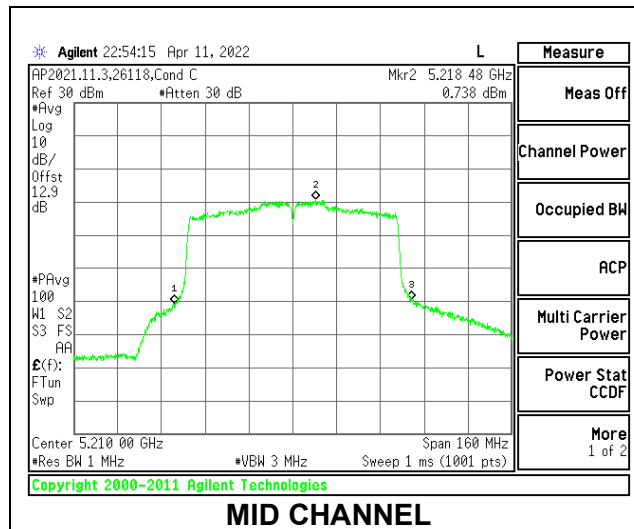
| | | |
|--------------------|------|--|
| Duty Cycle CF (dB) | 0.40 | Included in Calculations of Corr'd PSD |
|--------------------|------|--|

Output Power Results

| Channel | Frequency (MHz) | Antenna 6 Meas Power (dBm) | Total Corr'd Power (dBm) | Power Limit (dBm) | Power Margin (dB) |
|---------|--------------------|-------------------------------------|-----------------------------------|-------------------------|-------------------------|
| Mid | 5210 | 16.18 | 16.18 | 24.00 | -7.82 |

PSD Results

| Channel | Frequency (MHz) | Antenna 6 Meas PSD (dBm/1MHz) | Total Corr'd PSD (dBm/1MHz) | PSD Limit (dBm/ 1MHz) | PSD Margin (dB) |
|---------|--------------------|--|--------------------------------------|-----------------------------|-----------------------|
| Mid | 5210 | 0.738 | 1.14 | 11.00 | -9.862 |



1TX Antenna 5 MODE (FCC) MOBILE

| | |
|-----------------------|------------|
| Test Engineer: | 26118 |
| Test Date: | 03/30/2022 |

Antenna Gain and Limits

| Channel | Frequency (MHz) | Directional Gain for Power (dBi) | Power Limit (dBm) | PSD Limit (dBm/ 1MHz) |
|---------|--------------------|---|-------------------------|-----------------------------|
| Mid | 5210 | -1.20 | 24.00 | 11.00 |

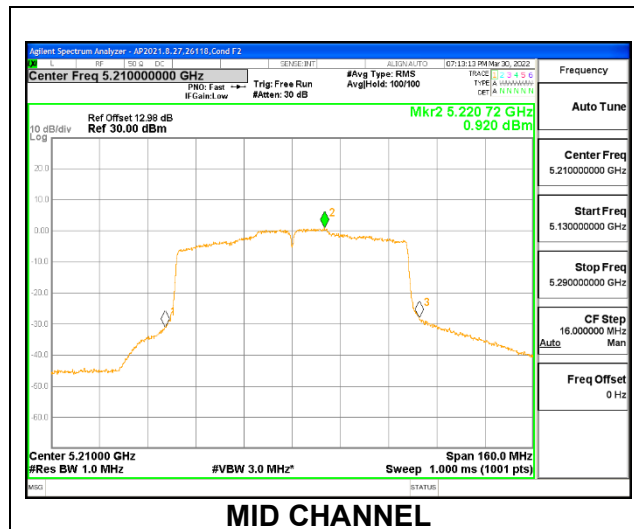
| | | |
|---------------------------|------|---|
| Duty Cycle CF (dB) | 0.40 | Included in Calculations of Corr'd PSD |
|---------------------------|------|---|

Output Power Results

| Channel | Frequency (MHz) | Antenna 5 Meas Power (dBm) | Total Corr'd Power (dBm) | Power Limit (dBm) | Power Margin (dB) |
|---------|--------------------|-------------------------------------|-----------------------------------|-------------------------|-------------------------|
| Mid | 5210 | 16.25 | 16.25 | 24.00 | -7.75 |

PSD Results

| Channel | Frequency (MHz) | Antenna 5 Meas PSD (dBm/1MHz) | Total Corr'd PSD (dBm/1MHz) | PSD Limit (dBm/ 1MHz) | PSD Margin (dB) |
|---------|--------------------|--|--------------------------------------|-----------------------------|-----------------------|
| Mid | 5210 | 0.920 | 1.32 | 11.00 | -9.680 |



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

| | |
|-----------------------|------------|
| Test Engineer: | 26118 |
| Test Date: | 04/21/2022 |

Antenna Gain and Limits

| Channel | Frequency (MHz) | Directional Gain for Power (dBi) | Directional Gain for PSD (dBi) | Power Limit (dBm) | PSD Limit (dBm/1MHz) |
|---------|--------------------|--|--------------------------------------|----------------------|-------------------------|
| Mid | 5210 | -2.58 | 0.28 | 24.00 | 11.00 |

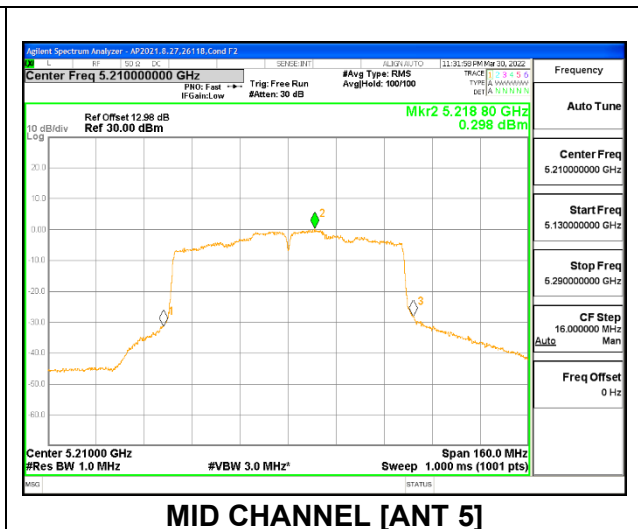
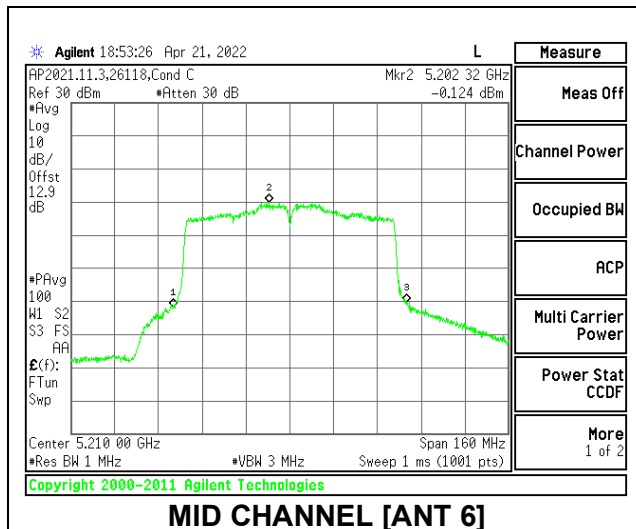
| | | |
|---------------------------|------|---|
| Duty Cycle CF (dB) | 0.40 | Included in Calculations of Corr'd PSD |
|---------------------------|------|---|

Output Power Results

| Channel | Frequency (MHz) | Antenna 6 Meas Power (dBm) | Antenna 5 Meas Power (dBm) | Total Corr'd Power (dBm) | Power Limit (dBm) | Power Margin (dB) |
|---------|--------------------|-------------------------------|-------------------------------|-----------------------------|----------------------|----------------------|
| Mid | 5210 | 15.16 | 15.24 | 18.21 | 24.00 | -5.79 |

PSD Results

| Channel | Frequency (MHz) | Antenna 6 Meas PSD (dBm/1MHz) | Antenna 5 Meas PSD (dBm/1MHz) | Total Corr'd PSD (dBm/1MHz) | PSD Limit (dBm/1MHz) | PSD Margin (dB) |
|---------|--------------------|----------------------------------|----------------------------------|--------------------------------|-------------------------|--------------------|
| Mid | 5210 | -0.124 | 0.298 | 3.50 | 11.00 | -7.498 |



9.4.4. 802.11ax HE20 MODE IN THE 5.2 GHz BAND

1TX Antenna 6 MODE (FCC) MOBILE – 26 Tones, RU Index 0

| | |
|----------------|----------|
| Test Engineer: | 28161 |
| Test Date: | 07/01/22 |

Antenna Gain and Limits

| Channel | Frequency (MHz) | Directional Gain (dBi) | Power Limit (dBm) | PSD Limit (dBm/ 1MHz) |
|---------|-----------------|------------------------|-------------------|-----------------------|
| Low | 5180 | -4.60 | 24.00 | 11.00 |
| Mid | 5200 | -4.60 | 24.00 | 11.00 |
| High | 5240 | -4.60 | 24.00 | 11.00 |

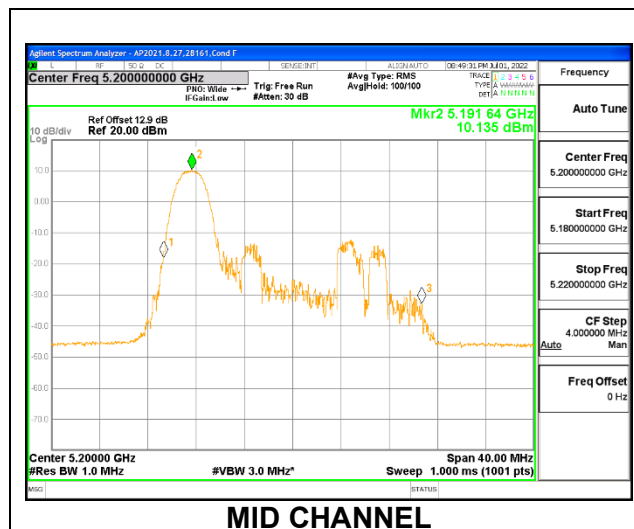
| | | |
|--------------------|------|--|
| Duty Cycle CF (dB) | 0.00 | Included in Calculations of Corr'd PSD |
|--------------------|------|--|

Output Power Results

| Channel | Frequency (MHz) | Antenna 6 Meas Power (dBm) | Total Corr'd Power (dBm) | Power Limit (dBm) | Power Margin (dB) |
|---------|-----------------|----------------------------|--------------------------|-------------------|-------------------|
| Low | 5180 | 11.74 | 11.74 | 24.00 | -12.26 |
| Mid | 5200 | 11.66 | 11.66 | 24.00 | -12.34 |
| High | 5240 | 11.63 | 11.63 | 24.00 | -12.37 |

PSD Results

| Channel | Frequency (MHz) | Antenna 6 Meas PSD (dBm/1MHz) | Total Corr'd PSD (dBm/1MHz) | PSD Limit (dBm/ 1MHz) | PSD Margin (dB) |
|---------|-----------------|-------------------------------|-----------------------------|-----------------------|-----------------|
| Low | 5180 | 9.418 | 9.418 | 11.00 | -1.582 |
| Mid | 5200 | 10.135 | 10.135 | 11.00 | -0.865 |
| High | 5240 | 9.932 | 9.932 | 11.00 | -1.068 |



1TX Antenna 6 MODE (FCC) MOBILE – 26 Tones, RU Index 4

| | |
|-----------------------|----------|
| Test Engineer: | 28161 |
| Test Date: | 07/01/22 |

Antenna Gain and Limits

| Channel | Frequency (MHz) | Directional Gain (dBi) | Power Limit (dBm) | PSD Limit (dBm/ 1MHz) |
|---------|-----------------|------------------------|-------------------|-----------------------|
| Low | 5180 | -4.60 | 24.00 | 11.00 |
| Mid | 5200 | -4.60 | 24.00 | 11.00 |
| High | 5240 | -4.60 | 24.00 | 11.00 |

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

Output Power Results

| Channel | Frequency (MHz) | Antenna 6 Meas Power (dBm) | Total Corr'd Power (dBm) | Power Limit (dBm) | Power Margin (dB) |
|---------|-----------------|----------------------------|--------------------------|-------------------|-------------------|
| Low | 5180 | 11.74 | 11.74 | 24.00 | -12.26 |
| Mid | 5200 | 11.69 | 11.69 | 24.00 | -12.31 |
| High | 5240 | 11.61 | 11.61 | 24.00 | -12.39 |

PSD Results

| Channel | Frequency (MHz) | Antenna 6 Meas PSD (dBm/1MHz) | Total Corr'd PSD (dBm/1MHz) | PSD Limit (dBm/1MHz) | PSD Margin (dB) |
|---------|-----------------|-------------------------------|-----------------------------|----------------------|-----------------|
| Low | 5180 | 9.277 | 9.277 | 11.00 | -1.723 |
| Mid | 5200 | 9.189 | 9.189 | 11.00 | -1.811 |
| High | 5240 | 8.840 | 8.840 | 11.00 | -2.160 |



1TX Antenna 6 MODE (FCC) MOBILE – 26 Tones, RU Index 8

| | |
|-----------------------|----------|
| Test Engineer: | 28161 |
| Test Date: | 07/01/22 |

Antenna Gain and Limits

| Channel | Frequency (MHz) | Directional Gain (dBi) | Power Limit (dBm) | PSD Limit (dBm/ 1MHz) |
|---------|-----------------|------------------------|-------------------|-----------------------|
| Low | 5180 | -4.60 | 24.00 | 11.00 |
| Mid | 5200 | -4.60 | 24.00 | 11.00 |
| High | 5240 | -4.60 | 24.00 | 11.00 |

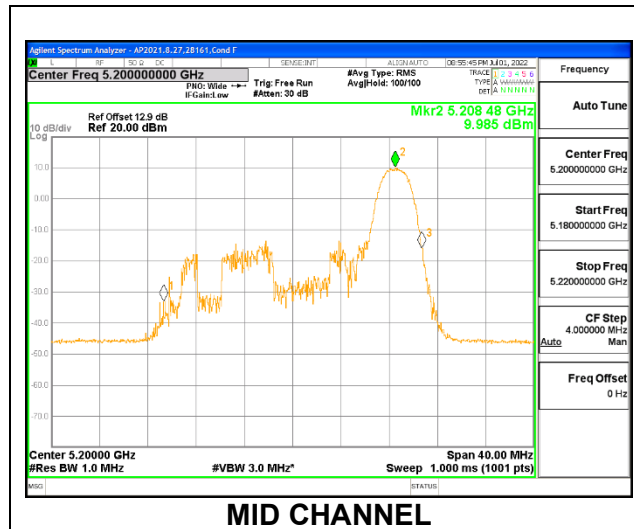
| | | |
|---------------------------|------|---|
| Duty Cycle CF (dB) | 0.00 | Included in Calculations of Corr'd PSD |
|---------------------------|------|---|

Output Power Results

| Channel | Frequency (MHz) | Antenna 6 Meas Power (dBm) | Total Corr'd Power (dBm) | Power Limit (dBm) | Power Margin (dB) |
|---------|-----------------|----------------------------|--------------------------|-------------------|-------------------|
| Low | 5180 | 11.61 | 11.61 | 24.00 | -12.39 |
| Mid | 5200 | 11.72 | 11.72 | 24.00 | -12.28 |
| High | 5240 | 11.74 | 11.74 | 24.00 | -12.26 |

PSD Results

| Channel | Frequency (MHz) | Antenna 6 Meas PSD (dBm/1MHz) | Total Corr'd PSD (dBm/1MHz) | PSD Limit (dBm/ 1MHz) | PSD Margin (dB) |
|---------|-----------------|-------------------------------|-----------------------------|-----------------------|-----------------|
| Low | 5180 | 9.836 | 9.836 | 11.00 | -1.164 |
| Mid | 5200 | 9.985 | 9.985 | 11.00 | -1.015 |
| High | 5240 | 9.986 | 9.986 | 11.00 | -1.014 |



1TX Antenna 6 MODE (FCC) MOBILE – SU Mode

| | |
|-----------------------|------------|
| Test Engineer: | 26118 |
| Test Date: | 04/11/2022 |

Antenna Gain and Limits

| Channel | Frequency (MHz) | Directional Gain (dBi) | Power Limit (dBm) | PSD Limit (dBm/ 1MHz) |
|---------|-----------------|------------------------|-------------------|-----------------------|
| Low | 5180 | -4.60 | 24.00 | 11.00 |
| Mid | 5200 | -4.60 | 24.00 | 11.00 |
| High | 5240 | -4.60 | 24.00 | 11.00 |

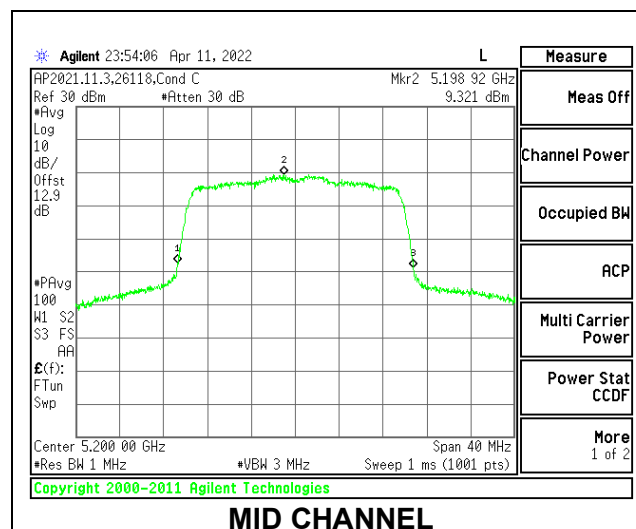
| | | |
|---------------------------|------|---|
| Duty Cycle CF (dB) | 0.00 | Included in Calculations of Corr'd PSD |
|---------------------------|------|---|

Output Power Results

| Channel | Frequency (MHz) | Antenna 6 Meas Power (dBm) | Total Corr'd Power (dBm) | Power Limit (dBm) | Power Margin (dB) |
|---------|-----------------|----------------------------|--------------------------|-------------------|-------------------|
| Low | 5180 | 17.63 | 17.63 | 24.00 | -6.37 |
| Mid | 5200 | 19.43 | 19.43 | 24.00 | -4.57 |
| High | 5240 | 19.41 | 19.41 | 24.00 | -4.59 |

PSD Results

| Channel | Frequency (MHz) | Antenna 6 Meas PSD (dBm/1MHz) | Total Corr'd PSD (dBm/1MHz) | PSD Limit (dBm/ 1MHz) | PSD Margin (dB) |
|---------|-----------------|-------------------------------|-----------------------------|-----------------------|-----------------|
| Low | 5180 | 7.461 | 7.461 | 11.00 | -3.539 |
| Mid | 5200 | 9.321 | 9.321 | 11.00 | -1.679 |
| High | 5240 | 9.212 | 9.212 | 11.00 | -1.788 |



1TX Antenna 5 MODE (FCC) MOBILE – 26 Tones, RU Index 0

| | |
|-----------------------|----------|
| Test Engineer: | 28161 |
| Test Date: | 07/02/22 |

Antenna Gain and Limits

| Channel | Frequency (MHz) | Directional Gain (dBi) | Power Limit (dBm) | PSD Limit (dBm/ 1MHz) |
|---------|-----------------|------------------------|-------------------|-----------------------|
| Low | 5180 | -1.20 | 24.00 | 11.00 |
| Mid | 5200 | -1.20 | 24.00 | 11.00 |
| High | 5240 | -1.20 | 24.00 | 11.00 |

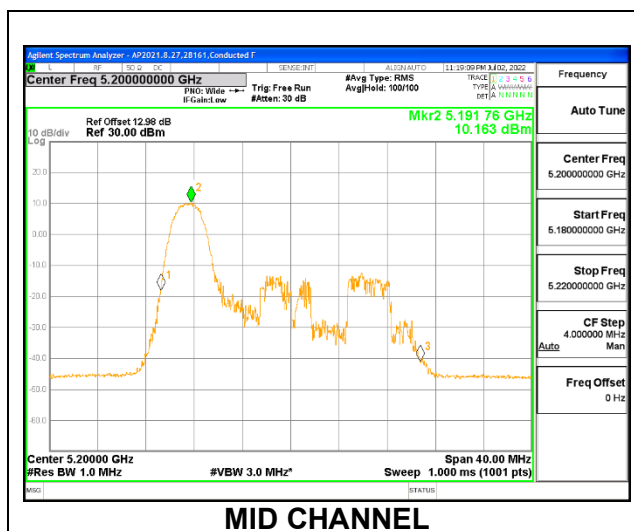
| | | |
|---------------------------|------|---|
| Duty Cycle CF (dB) | 0.00 | Included in Calculations of Corr'd PSD |
|---------------------------|------|---|

Output Power Results

| Channel | Frequency (MHz) | Antenna 5 Meas Power (dBm) | Total Corr'd Power (dBm) | Power Limit (dBm) | Power Margin (dB) |
|---------|-----------------|----------------------------|--------------------------|-------------------|-------------------|
| Low | 5180 | 11.69 | 11.69 | 24.00 | -12.31 |
| Mid | 5200 | 11.73 | 11.73 | 24.00 | -12.27 |
| High | 5240 | 11.71 | 11.71 | 24.00 | -12.29 |

PSD Results

| Channel | Frequency (MHz) | Antenna 5 Meas PSD (dBm/1MHz) | Total Corr'd PSD (dBm/1MHz) | PSD Limit (dBm/1MHz) | PSD Margin (dB) |
|---------|-----------------|-------------------------------|-----------------------------|----------------------|-----------------|
| Low | 5180 | 9.340 | 9.340 | 11.00 | -1.660 |
| Mid | 5200 | 10.163 | 10.163 | 11.00 | -0.837 |
| High | 5240 | 9.988 | 9.988 | 11.00 | -1.012 |



1TX Antenna 5 MODE (FCC) MOBILE – 26 Tones, RU Index 4

| | |
|-----------------------|----------|
| Test Engineer: | 28161 |
| Test Date: | 07/02/22 |

Antenna Gain and Limits

| Channel | Frequency (MHz) | Directional Gain (dBi) | Power Limit (dBm) | PSD Limit (dBm/ 1MHz) |
|---------|-----------------|------------------------|-------------------|-----------------------|
| Low | 5180 | -1.20 | 24.00 | 11.00 |
| Mid | 5200 | -1.20 | 24.00 | 11.00 |
| High | 5240 | -1.20 | 24.00 | 11.00 |

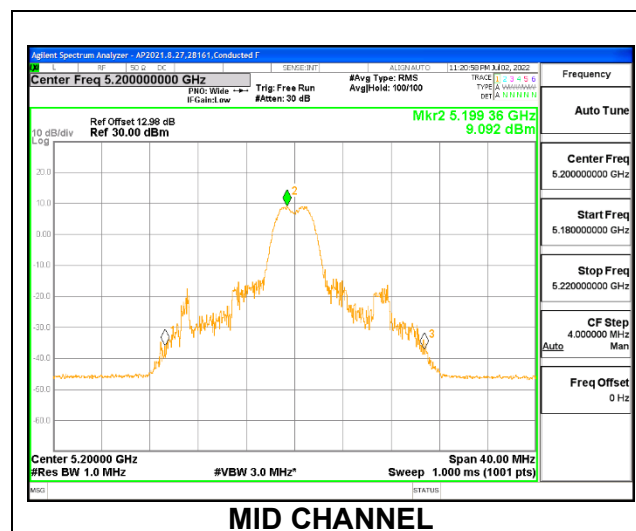
| | | |
|---------------------------|------|---|
| Duty Cycle CF (dB) | 0.00 | Included in Calculations of Corr'd PSD |
|---------------------------|------|---|

Output Power Results

| Channel | Frequency (MHz) | Antenna 5 Meas Power (dBm) | Total Corr'd Power (dBm) | Power Limit (dBm) | Power Margin (dB) |
|---------|-----------------|----------------------------|--------------------------|-------------------|-------------------|
| Low | 5180 | 11.65 | 11.65 | 24.00 | -12.35 |
| Mid | 5200 | 11.61 | 11.61 | 24.00 | -12.39 |
| High | 5240 | 11.75 | 11.75 | 24.00 | -12.25 |

PSD Results

| Channel | Frequency (MHz) | Antenna 5 Meas PSD (dBm/1MHz) | Total Corr'd PSD (dBm/1MHz) | PSD Limit (dBm/ 1MHz) | PSD Margin (dB) |
|---------|-----------------|-------------------------------|-----------------------------|-----------------------|-----------------|
| Low | 5180 | 9.243 | 9.243 | 11.00 | -1.757 |
| Mid | 5200 | 9.092 | 9.092 | 11.00 | -1.908 |
| High | 5240 | 8.933 | 8.933 | 11.00 | -2.067 |



1TX Antenna 5 MODE (FCC) MOBILE – 26 Tones, RU Index 8

| | |
|-----------------------|----------|
| Test Engineer: | 28161 |
| Test Date: | 07/02/22 |

Antenna Gain and Limits

| Channel | Frequency (MHz) | Directional Gain (dBi) | Power Limit (dBm) | PSD Limit (dBm/ 1MHz) |
|---------|-----------------|------------------------|-------------------|-----------------------|
| Low | 5180 | -1.20 | 24.00 | 11.00 |
| Mid | 5200 | -1.20 | 24.00 | 11.00 |
| High | 5240 | -1.20 | 24.00 | 11.00 |

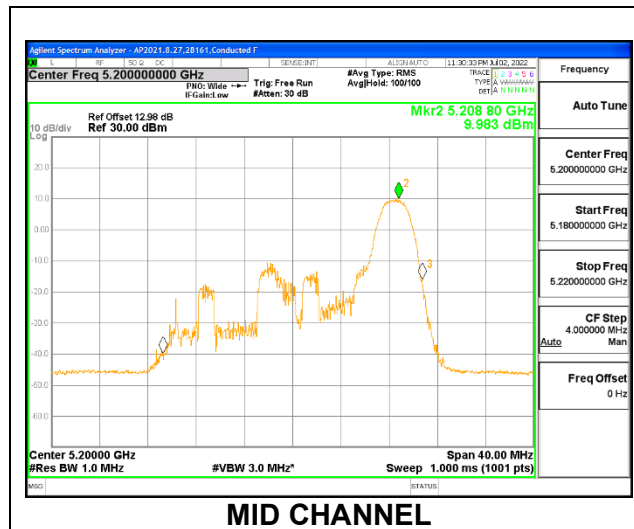
| | | |
|---------------------------|------|---|
| Duty Cycle CF (dB) | 0.00 | Included in Calculations of Corr'd PSD |
|---------------------------|------|---|

Output Power Results

| Channel | Frequency (MHz) | Antenna 5 Meas Power (dBm) | Total Corr'd Power (dBm) | Power Limit (dBm) | Power Margin (dB) |
|---------|-----------------|----------------------------|--------------------------|-------------------|-------------------|
| Low | 5180 | 11.72 | 11.72 | 24.00 | -12.28 |
| Mid | 5200 | 11.68 | 11.68 | 24.00 | -12.32 |
| High | 5240 | 11.65 | 11.65 | 24.00 | -12.35 |

PSD Results

| Channel | Frequency (MHz) | Antenna 5 Meas PSD (dBm/1MHz) | Total Corr'd PSD (dBm/1MHz) | PSD Limit (dBm/1MHz) | PSD Margin (dB) |
|---------|-----------------|-------------------------------|-----------------------------|----------------------|-----------------|
| Low | 5180 | 10.024 | 10.024 | 11.00 | -0.976 |
| Mid | 5200 | 9.983 | 9.983 | 11.00 | -1.017 |
| High | 5240 | 9.850 | 9.850 | 11.00 | -1.150 |



1TX Antenna 5 MODE (FCC) MOBILE – SU Mode

| | |
|-----------------------|------------|
| Test Engineer: | 26118 |
| Test Date: | 03/29/2022 |

Antenna Gain and Limits

| Channel | Frequency (MHz) | Directional Gain (dBi) | Power Limit (dBm) | PSD Limit (dBm/1MHz) |
|---------|-----------------|------------------------|-------------------|----------------------|
| Low | 5180 | -1.20 | 24.00 | 11.00 |
| Mid | 5200 | -1.20 | 24.00 | 11.00 |
| High | 5240 | -1.20 | 24.00 | 11.00 |

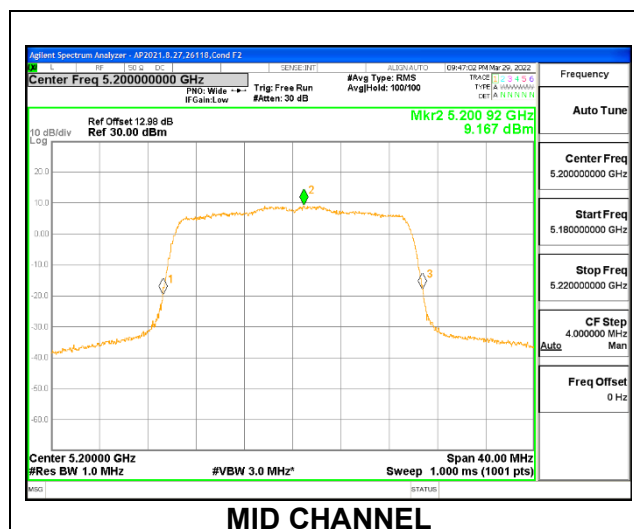
| | | |
|---------------------------|------|---|
| Duty Cycle CF (dB) | 0.00 | Included in Calculations of Corr'd PSD |
|---------------------------|------|---|

Output Power Results

| Channel | Frequency (MHz) | Antenna 5 Meas Power (dBm) | Total Corr'd Power (dBm) | Power Limit (dBm) | Power Margin (dB) |
|---------|-----------------|----------------------------|--------------------------|-------------------|-------------------|
| Low | 5180 | 17.74 | 17.74 | 24.00 | -6.26 |
| Mid | 5200 | 19.38 | 19.38 | 24.00 | -4.62 |
| High | 5240 | 19.45 | 19.45 | 24.00 | -4.55 |

PSD Results

| Channel | Frequency (MHz) | Antenna 5 Meas PSD (dBm/1MHz) | Total Corr'd PSD (dBm/1MHz) | PSD Limit (dBm/1MHz) | PSD Margin (dB) |
|---------|-----------------|-------------------------------|-----------------------------|----------------------|-----------------|
| Low | 5180 | 7.769 | 7.77 | 11.00 | -3.231 |
| Mid | 5200 | 9.167 | 9.17 | 11.00 | -1.833 |
| High | 5240 | 9.468 | 9.47 | 11.00 | -1.532 |



2TX Antenna 6 + Antenna 5 OFDMA MODE (FCC) MOBILE – 26 Tones, RU Index 0

| | |
|-----------------------|----------------------|
| Test Engineer: | 26118 |
| Test Date: | 04/22/2022, 04/01/22 |

Antenna Gain and Limits

| Channel | Frequency (MHz) | Directional Gain for Power (dBi) | Directional Gain for PSD (dBi) | Power Limit (dBm) | PSD Limit (dBm/1MHz) |
|---------|-----------------|----------------------------------|--------------------------------|-------------------|----------------------|
| Low | 5180 | -2.58 | 0.28 | 24.00 | 11.00 |
| Mid | 5200 | -2.58 | 0.28 | 24.00 | 11.00 |
| High | 5240 | -2.58 | 0.28 | 24.00 | 11.00 |

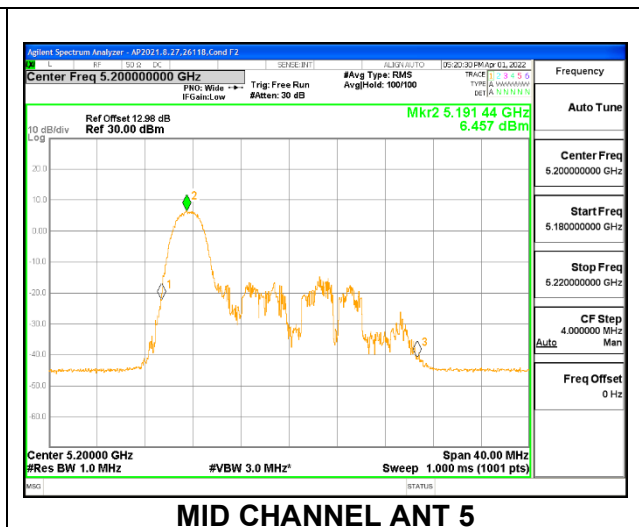
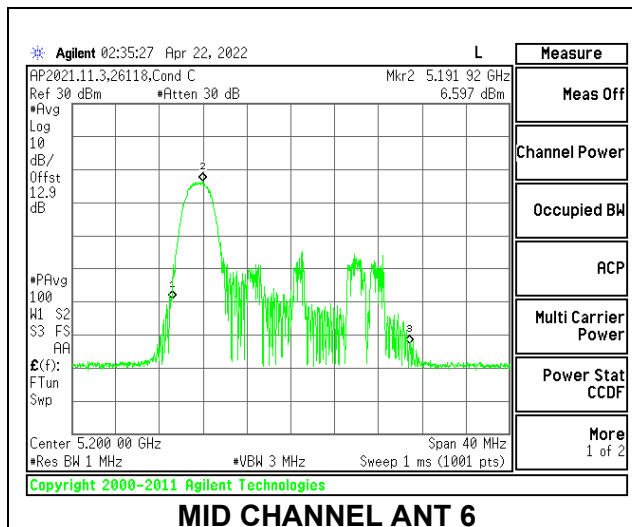
| | | |
|---------------------------|------|---|
| Duty Cycle CF (dB) | 0.00 | Included in Calculations of Corr'd PSD |
|---------------------------|------|---|

Output Power Results

| Channel | Frequency (MHz) | Antenna 6 Meas Power (dBm) | Antenna 5 Meas Power (dBm) | Total Corr'd Power (dBm) | Power Limit (dBm) | Power Margin (dB) |
|---------|-----------------|----------------------------|----------------------------|--------------------------|-------------------|-------------------|
| Low | 5180 | 8.62 | 8.73 | 11.69 | 24.00 | -12.31 |
| Mid | 5200 | 8.75 | 8.69 | 11.73 | 24.00 | -12.27 |
| High | 5240 | 8.72 | 8.67 | 11.71 | 24.00 | -12.29 |

PSD Results

| Channel | Frequency (MHz) | Antenna 6 Meas PSD (dBm/1MHz) | Antenna 5 Meas PSD (dBm/1MHz) | Total Corr'd PSD (dBm/1MHz) | PSD Limit (dBm/1MHz) | PSD Margin (dB) |
|---------|-----------------|-------------------------------|-------------------------------|-----------------------------|----------------------|-----------------|
| Low | 5180 | 6.789 | 6.794 | 9.802 | 11.00 | -1.198 |
| Mid | 5200 | 6.597 | 6.457 | 9.538 | 11.00 | -1.462 |
| High | 5240 | 6.478 | 6.356 | 9.428 | 11.00 | -1.572 |



2TX Antenna 6 + Antenna 5 OFDMA MODE (FCC) MOBILE – 26 Tones, RU Index 4

| | |
|-----------------------|-------------------|
| Test Engineer: | 26118 |
| Test Date: | 04/22/22,04/01/22 |

Antenna Gain and Limits

| Channel | Frequency (MHz) | Directional Gain for Power (dBi) | Directional Gain for PSD (dBi) | Power Limit (dBm) | PSD Limit (dBm/1MHz) |
|---------|-----------------|----------------------------------|--------------------------------|-------------------|----------------------|
| Low | 5180 | -2.58 | 0.28 | 24.00 | 11.00 |
| Mid | 5200 | -2.58 | 0.28 | 24.00 | 11.00 |
| High | 5240 | -2.58 | 0.28 | 24.00 | 11.00 |

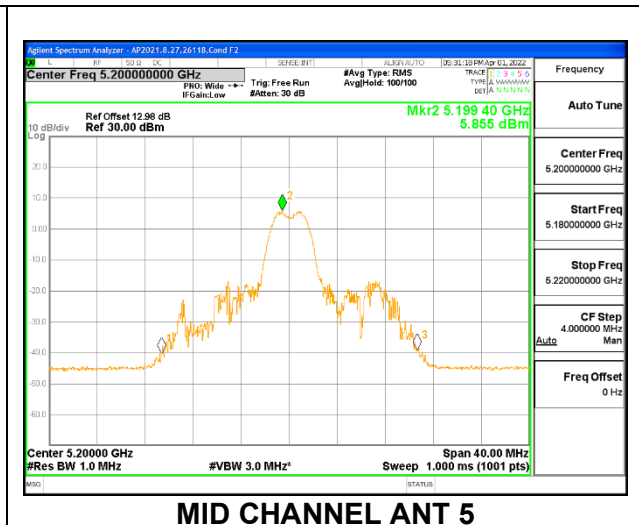
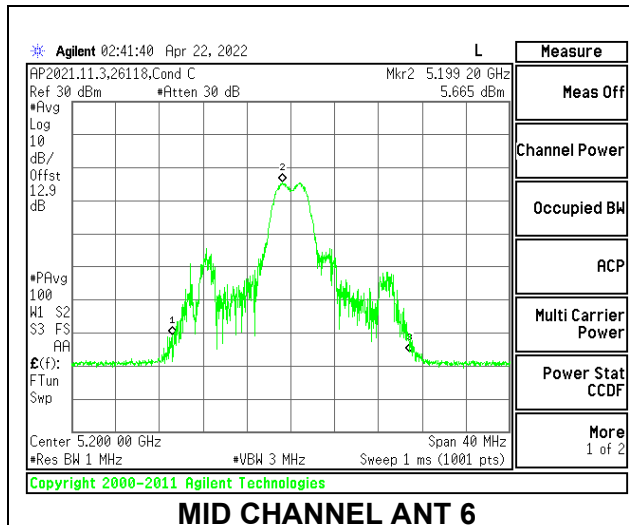
| | | |
|---------------------------|------|---|
| Duty Cycle CF (dB) | 0.00 | Included in Calculations of Corr'd PSD |
|---------------------------|------|---|

Output Power Results

| Channel | Frequency (MHz) | Antenna 6 Meas Power (dBm) | Antenna 5 Meas Power (dBm) | Total Corr'd Power (dBm) | Power Limit (dBm) | Power Margin (dB) |
|---------|-----------------|----------------------------|----------------------------|--------------------------|-------------------|-------------------|
| Low | 5180 | 8.74 | 8.66 | 11.71 | 24.00 | -12.29 |
| Mid | 5200 | 8.68 | 8.73 | 11.72 | 24.00 | -12.28 |
| High | 5240 | 8.61 | 8.70 | 11.67 | 24.00 | -12.33 |

PSD Results

| Channel | Frequency (MHz) | Antenna 6 Meas PSD (dBm/1MHz) | Antenna 5 Meas PSD (dBm/1MHz) | Total Corr'd PSD (dBm/1MHz) | PSD Limit (dBm/1MHz) | PSD Margin (dB) |
|---------|-----------------|-------------------------------|-------------------------------|-----------------------------|----------------------|-----------------|
| Low | 5180 | 5.421 | 5.257 | 8.350 | 11.00 | -2.650 |
| Mid | 5200 | 5.665 | 5.855 | 8.771 | 11.00 | -2.229 |
| High | 5240 | 5.732 | 6.009 | 8.883 | 11.00 | -2.117 |



2TX Antenna 6 + Antenna 5 OFDMA MODE (FCC) MOBILE – 26 Tones, RU Index 8

| | |
|-----------------------|----------------------|
| Test Engineer: | 26118 |
| Test Date: | 04/22/2022, 04/01/22 |

Antenna Gain and Limits

| Channel | Frequency (MHz) | Directional Gain for Power (dBi) | Directional Gain for PSD (dBi) | Power Limit (dBm) | PSD Limit (dBm/1MHz) |
|---------|-----------------|----------------------------------|--------------------------------|-------------------|----------------------|
| Low | 5180 | -2.58 | 0.28 | 24.00 | 11.00 |
| Mid | 5200 | -2.58 | 0.28 | 24.00 | 11.00 |
| High | 5240 | -2.58 | 0.28 | 24.00 | 11.00 |

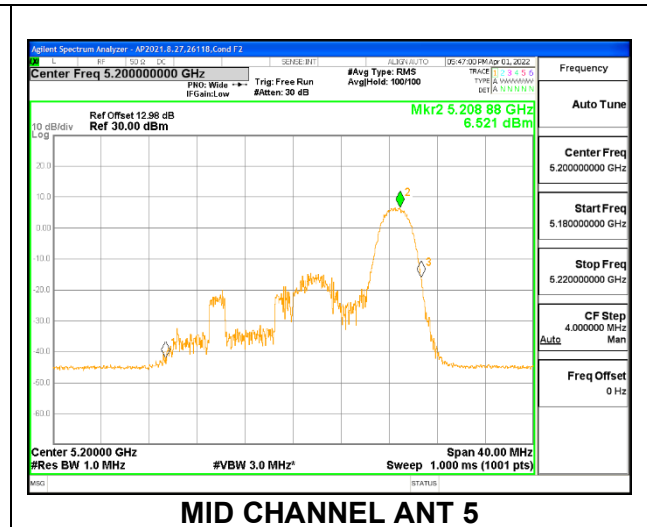
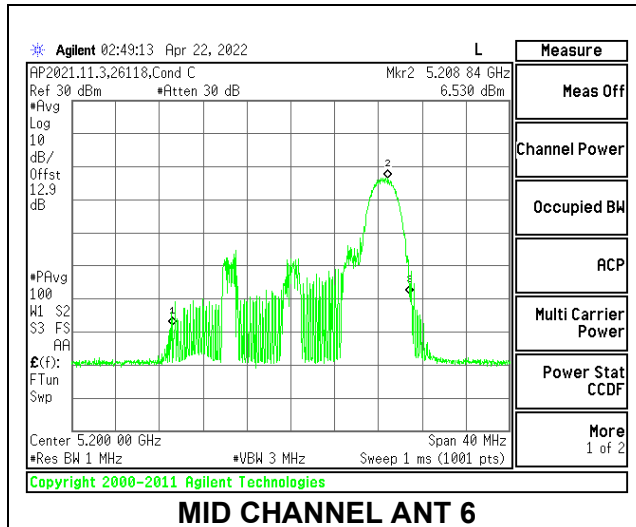
| | | |
|---------------------------|------|---|
| Duty Cycle CF (dB) | 0.00 | Included in Calculations of Corr'd PSD |
|---------------------------|------|---|

Output Power Results

| Channel | Frequency (MHz) | Antenna 6 Meas Power (dBm) | Antenna 5 Meas Power (dBm) | Total Corr'd Power (dBm) | Power Limit (dBm) | Power Margin (dB) |
|---------|-----------------|----------------------------|----------------------------|--------------------------|-------------------|-------------------|
| Low | 5180 | 8.72 | 8.65 | 11.70 | 24.00 | -12.30 |
| Mid | 5200 | 8.70 | 8.65 | 11.69 | 24.00 | -12.31 |
| High | 5240 | 8.66 | 8.72 | 11.70 | 24.00 | -12.30 |

PSD Results

| Channel | Frequency (MHz) | Antenna 6 Meas PSD (dBm/1MHz) | Antenna 5 Meas PSD (dBm/1MHz) | Total Corr'd PSD (dBm/1MHz) | PSD Limit (dBm/1MHz) | PSD Margin (dB) |
|---------|-----------------|-------------------------------|-------------------------------|-----------------------------|----------------------|-----------------|
| Low | 5180 | 6.327 | 6.226 | 9.287 | 11.00 | -1.713 |
| Mid | 5200 | 6.530 | 6.521 | 9.536 | 11.00 | -1.464 |
| High | 5240 | 6.769 | 6.962 | 9.877 | 11.00 | -1.123 |



2TX Antenna 6 + Antenna 5 OFDMA MODE (FCC) MOBILE – SU Mode

| | |
|-----------------------|----------------------|
| Test Engineer: | 26118 |
| Test Date: | 04/21/2022, 03/31/22 |

Antenna Gain and Limits

| Channel | Frequency (MHz) | Directional Gain for Power (dBi) | Directional Gain for PSD (dBi) | Power Limit (dBm) | PSD Limit (dBm/1MHz) |
|---------|-----------------|----------------------------------|--------------------------------|-------------------|----------------------|
| Low | 5180 | -2.58 | 0.28 | 24.00 | 11.00 |
| Mid | 5200 | -2.58 | 0.28 | 24.00 | 11.00 |
| High | 5240 | -2.58 | 0.28 | 24.00 | 11.00 |

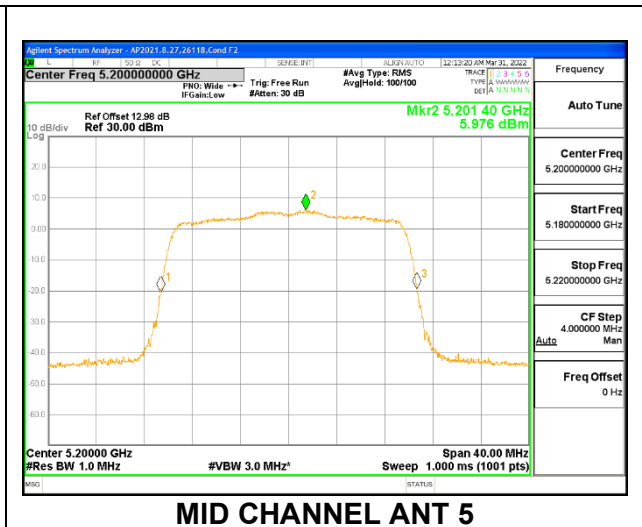
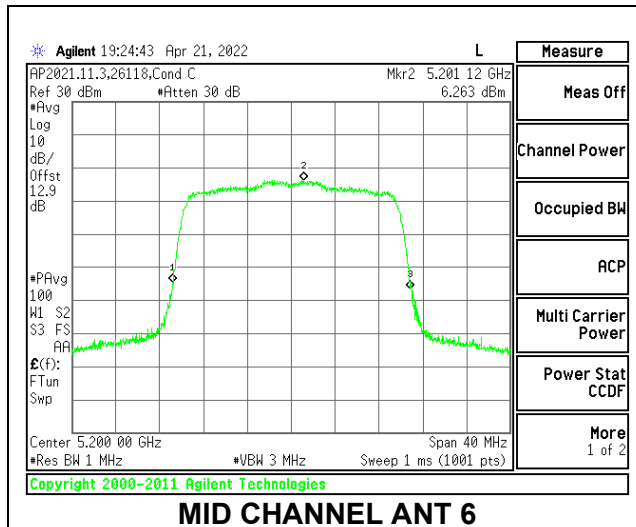
| | | |
|---------------------------|------|---|
| Duty Cycle CF (dB) | 0.00 | Included in Calculations of Corr'd PSD |
|---------------------------|------|---|

Output Power Results

| Channel | Frequency (MHz) | Antenna 6 Meas Power (dBm) | Antenna 5 Meas Power (dBm) | Total Corr'd Power (dBm) | Power Limit (dBm) | Power Margin (dB) |
|---------|-----------------|----------------------------|----------------------------|--------------------------|-------------------|-------------------|
| Low | 5180 | 16.11 | 16.19 | 19.16 | 24.00 | -4.84 |
| Mid | 5200 | 16.21 | 16.15 | 19.19 | 24.00 | -4.81 |
| High | 5240 | 16.15 | 16.45 | 19.31 | 24.00 | -4.69 |

PSD Results

| Channel | Frequency (MHz) | Antenna 6 Meas PSD (dBm/1MHz) | Antenna 5 Meas PSD (dBm/1MHz) | Total Corr'd PSD (dBm/1MHz) | PSD Limit (dBm/1MHz) | PSD Margin (dB) |
|---------|-----------------|-------------------------------|-------------------------------|-----------------------------|----------------------|-----------------|
| Low | 5180 | 6.061 | 6.141 | 9.111 | 11.00 | -1.889 |
| Mid | 5200 | 6.263 | 5.976 | 9.132 | 11.00 | -1.868 |
| High | 5240 | 6.071 | 6.378 | 9.238 | 11.00 | -1.762 |



9.4.5. 802.11ax HE40 MODE IN THE 5.2 GHz BAND

1TX Antenna 6 MODE (FCC) MOBILE – 26 Tones, RU Index 0

| | |
|----------------|----------|
| Test Engineer: | 28161 |
| Test Date: | 07/02/22 |

Antenna Gain and Limits

| Channel | Frequency (MHz) | Directional Gain for Power (dBi) | Power Limit (dBm) | PSD Limit (dBm/ 1MHz) |
|---------|-----------------|----------------------------------|-------------------|-----------------------|
| Low | 5190 | -4.60 | 24.00 | 11.00 |
| High | 5230 | -4.60 | 24.00 | 11.00 |

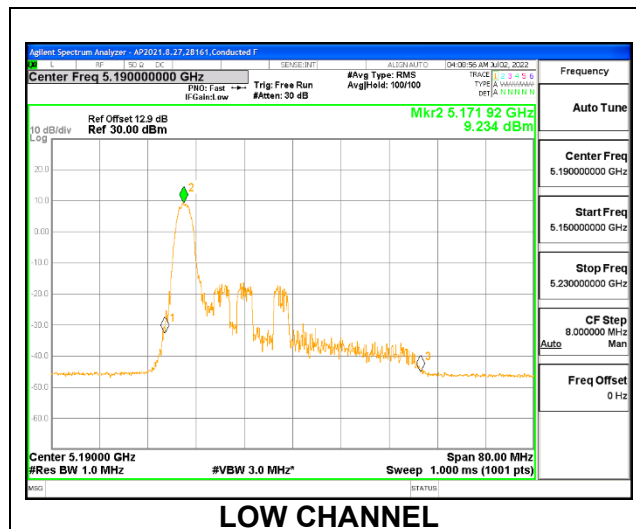
| | | |
|--------------------|------|--|
| Duty Cycle CF (dB) | 0.00 | Included in Calculations of Corr'd PSD |
|--------------------|------|--|

Output Power Results

| Channel | Frequency (MHz) | Antenna 6 Meas Power (dBm) | Total Corr'd Power (dBm) | Power Limit (dBm) | Power Margin (dB) |
|---------|-----------------|----------------------------|--------------------------|-------------------|-------------------|
| Low | 5190 | 10.74 | 10.74 | 24.00 | -13.26 |
| High | 5230 | 10.63 | 10.63 | 24.00 | -13.37 |

PSD Results

| Channel | Frequency (MHz) | Antenna 6 Meas PSD (dBm/1MHz) | Total Corr'd PSD (dBm/1MHz) | PSD Limit (dBm/ 1MHz) | PSD Margin (dB) |
|---------|-----------------|-------------------------------|-----------------------------|-----------------------|-----------------|
| Low | 5190 | 9.234 | 9.234 | 11.00 | -1.766 |
| High | 5230 | 9.080 | 9.080 | 11.00 | -1.920 |



1TX Antenna 6 MODE (FCC) MOBILE – 26 Tones, RU Index 8

| | |
|-----------------------|----------|
| Test Engineer: | 28161 |
| Test Date: | 07/02/22 |

Antenna Gain and Limits

| Channel | Frequency (MHz) | Directional Gain for Power (dBi) | Power Limit (dBm) | PSD Limit (dBm/ 1MHz) |
|---------|--------------------|---|-------------------------|-----------------------------|
| Low | 5190 | -4.60 | 24.00 | 11.00 |
| High | 5230 | -4.60 | 24.00 | 11.00 |

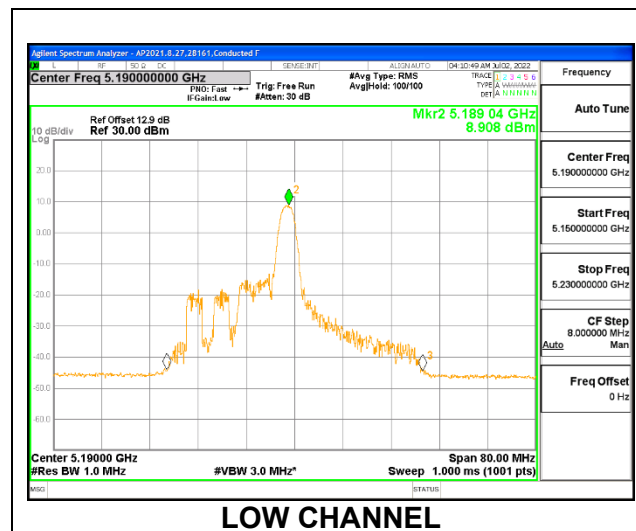
| | | |
|---------------------------|------|---|
| Duty Cycle CF (dB) | 0.00 | Included in Calculations of Corr'd PSD |
|---------------------------|------|---|

Output Power Results

| Channel | Frequency (MHz) | Antenna 6 Meas Power (dBm) | Total Corr'd Power (dBm) | Power Limit (dBm) | Power Margin (dB) |
|---------|--------------------|-------------------------------------|-----------------------------------|-------------------------|-------------------------|
| Low | 5190 | 10.74 | 10.74 | 24.00 | -13.26 |
| High | 5230 | 10.71 | 10.71 | 24.00 | -13.29 |

PSD Results

| Channel | Frequency (MHz) | Antenna 6 Meas PSD (dBm/1MHz) | Total Corr'd PSD (dBm/1MHz) | PSD Limit (dBm/ 1MHz) | PSD Margin (dB) |
|---------|--------------------|--|--------------------------------------|-----------------------------|-----------------------|
| Low | 5190 | 8.908 | 8.908 | 11.00 | -2.092 |
| High | 5230 | 9.033 | 9.033 | 11.00 | -1.967 |



LOW CHANNEL

1TX Antenna 6 MODE (FCC) MOBILE – 26 Tones, RU Index 17

| | |
|-----------------------|----------|
| Test Engineer: | 28161 |
| Test Date: | 07/02/22 |

Antenna Gain and Limits

| Channel | Frequency (MHz) | Directional Gain for Power (dBi) | Power Limit (dBm) | PSD Limit (dBm/ 1MHz) |
|---------|--------------------|---|-------------------------|-----------------------------|
| Low | 5190 | -4.60 | 24.00 | 11.00 |
| High | 5230 | -4.60 | 24.00 | 11.00 |

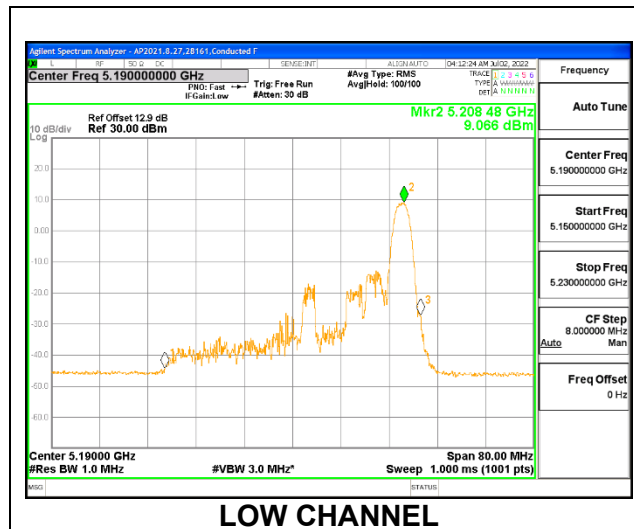
| | | |
|---------------------------|------|---|
| Duty Cycle CF (dB) | 0.00 | Included in Calculations of Corr'd PSD |
|---------------------------|------|---|

Output Power Results

| Channel | Frequency (MHz) | Antenna 6 Meas Power (dBm) | Total Corr'd Power (dBm) | Power Limit (dBm) | Power Margin (dB) |
|---------|--------------------|-------------------------------------|-----------------------------------|-------------------------|-------------------------|
| Low | 5190 | 10.75 | 10.75 | 24.00 | -13.25 |
| High | 5230 | 10.72 | 10.72 | 24.00 | -13.28 |

PSD Results

| Channel | Frequency (MHz) | Antenna 6 Meas PSD (dBm/1MHz) | Total Corr'd PSD (dBm/1MHz) | PSD Limit (dBm/ 1MHz) | PSD Margin (dB) |
|---------|--------------------|--|--------------------------------------|-----------------------------|-----------------------|
| Low | 5190 | 9.066 | 9.066 | 11.00 | -1.934 |
| High | 5230 | 8.870 | 8.870 | 11.00 | -2.130 |



1TX Antenna 6 MODE (FCC) MOBILE – SU Mode

| | |
|-----------------------|------------|
| Test Engineer: | 26118 |
| Test Date: | 04/12/2022 |

Antenna Gain and Limits

| Channel | Frequency (MHz) | Directional Gain for Power (dBi) | Power Limit (dBm) | PSD Limit (dBm/ 1MHz) |
|---------|--------------------|---|-------------------------|-----------------------------|
| Low | 5190 | -4.60 | 24.00 | 11.00 |
| High | 5230 | -4.60 | 24.00 | 11.00 |

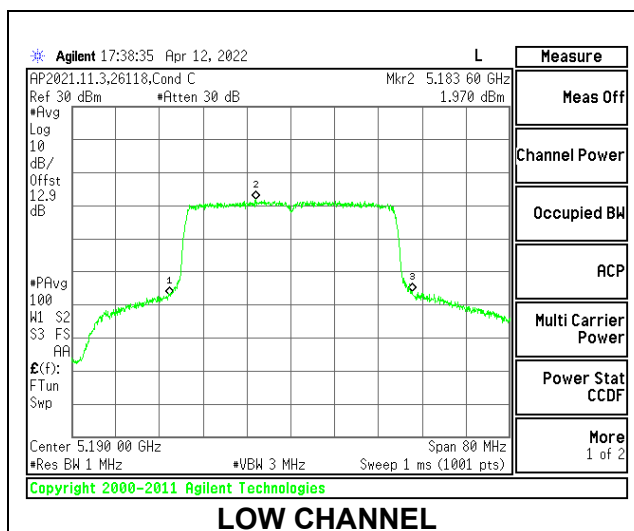
| | | |
|---------------------------|------|---|
| Duty Cycle CF (dB) | 0.13 | Included in Calculations of Corr'd PSD |
|---------------------------|------|---|

Output Power Results

| Channel | Frequency (MHz) | Antenna 6 Meas Power (dBm) | Total Corr'd Power (dBm) | Power Limit (dBm) | Power Margin (dB) |
|---------|--------------------|-------------------------------------|-----------------------------------|-------------------------|-------------------------|
| Low | 5190 | 15.72 | 15.72 | 24.00 | -8.28 |
| High | 5230 | 20.16 | 20.16 | 24.00 | -3.84 |

PSD Results

| Channel | Frequency (MHz) | Antenna 6 Meas PSD (dBm/1MHz) | Total Corr'd PSD (dBm/1MHz) | PSD Limit (dBm/ 1MHz) | PSD Margin (dB) |
|---------|--------------------|--|--------------------------------------|-----------------------------|-----------------------|
| Low | 5190 | 1.970 | 2.100 | 11.00 | -8.900 |
| High | 5230 | 6.292 | 6.422 | 11.00 | -4.578 |



1TX Antenna 5 MODE (FCC) MOBILE – 26 Tones, RU Index 0

| | |
|-----------------------|----------|
| Test Engineer: | 28161 |
| Test Date: | 04/02/22 |

Antenna Gain and Limits

| Channel | Frequency (MHz) | Directional Gain for Power (dBi) | Power Limit (dBm) | PSD Limit (dBm/ 1MHz) |
|---------|--------------------|---|-------------------------|-----------------------------|
| Low | 5190 | -1.20 | 24.00 | 11.00 |
| High | 5230 | -1.20 | 24.00 | 11.00 |

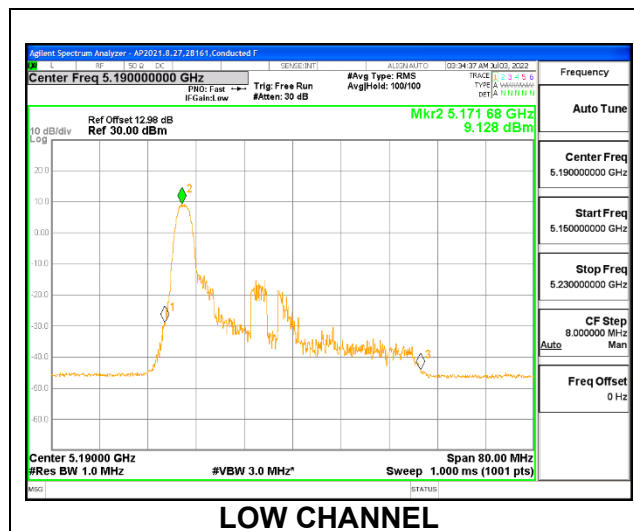
| | | |
|---------------------------|------|---|
| Duty Cycle CF (dB) | 0.00 | Included in Calculations of Corr'd PSD |
|---------------------------|------|---|

Output Power Results

| Channel | Frequency (MHz) | Antenna 5 Meas Power (dBm) | Total Corr'd Power (dBm) | Power Limit (dBm) | Power Margin (dB) |
|---------|--------------------|-------------------------------------|-----------------------------------|-------------------------|-------------------------|
| Low | 5190 | 10.68 | 10.68 | 24.00 | -13.32 |
| High | 5230 | 10.72 | 10.72 | 24.00 | -13.28 |

PSD Results

| Channel | Frequency (MHz) | Antenna 5 Meas PSD (dBm/1MHz) | Total Corr'd PSD (dBm/1MHz) | PSD Limit (dBm/ 1MHz) | PSD Margin (dB) |
|---------|--------------------|--|--------------------------------------|-----------------------------|-----------------------|
| Low | 5190 | 9.128 | 9.128 | 11.00 | -1.872 |
| High | 5230 | 9.194 | 9.194 | 11.00 | -1.806 |



1TX Antenna 5 MODE (FCC) MOBILE – 26 Tones, RU Index 8

| | |
|-----------------------|----------|
| Test Engineer: | 28161 |
| Test Date: | 07/03/22 |

Antenna Gain and Limits

| Channel | Frequency (MHz) | Directional Gain for Power (dBi) | Power Limit (dBm) | PSD Limit (dBm/ 1MHz) |
|---------|--------------------|---|-------------------------|-----------------------------|
| Low | 5190 | -1.20 | 24.00 | 11.00 |
| High | 5230 | -1.20 | 24.00 | 11.00 |

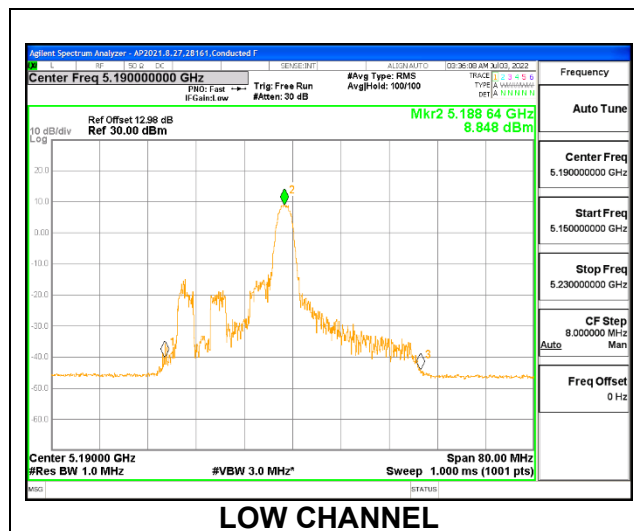
| | | |
|---------------------------|------|---|
| Duty Cycle CF (dB) | 0.00 | Included in Calculations of Corr'd PSD |
|---------------------------|------|---|

Output Power Results

| Channel | Frequency (MHz) | Antenna 5 Meas Power (dBm) | Total Corr'd Power (dBm) | Power Limit (dBm) | Power Margin (dB) |
|---------|--------------------|-------------------------------------|-----------------------------------|-------------------------|-------------------------|
| Low | 5190 | 10.69 | 10.69 | 24.00 | -13.31 |
| High | 5230 | 10.65 | 10.65 | 24.00 | -13.35 |

PSD Results

| Channel | Frequency (MHz) | Antenna 5 Meas PSD (dBm/1MHz) | Total Corr'd PSD (dBm/1MHz) | PSD Limit (dBm/ 1MHz) | PSD Margin (dB) |
|---------|--------------------|--|--------------------------------------|-----------------------------|-----------------------|
| Low | 5190 | 8.848 | 8.848 | 11.00 | -2.152 |
| High | 5230 | 8.953 | 8.953 | 11.00 | -2.047 |



1TX Antenna 5 MODE (FCC) MOBILE – 26 Tones, RU Index 17

| | |
|-----------------------|----------|
| Test Engineer: | 28161 |
| Test Date: | 07/03/22 |

Antenna Gain and Limits

| Channel | Frequency (MHz) | Directional Gain for Power (dBi) | Power Limit (dBm) | PSD Limit (dBm/ 1MHz) |
|---------|--------------------|---|-------------------------|-----------------------------|
| Low | 5190 | -1.20 | 24.00 | 11.00 |
| High | 5230 | -1.20 | 24.00 | 11.00 |

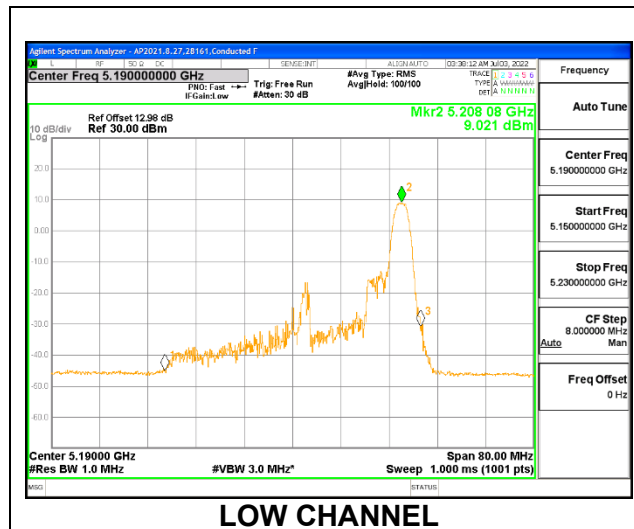
| | | |
|---------------------------|------|---|
| Duty Cycle CF (dB) | 0.00 | Included in Calculations of Corr'd PSD |
|---------------------------|------|---|

Output Power Results

| Channel | Frequency (MHz) | Antenna 5 Meas Power (dBm) | Total Corr'd Power (dBm) | Power Limit (dBm) | Power Margin (dB) |
|---------|--------------------|-------------------------------------|-----------------------------------|-------------------------|-------------------------|
| Low | 5190 | 10.69 | 10.69 | 24.00 | -13.31 |
| High | 5230 | 10.61 | 10.61 | 24.00 | -13.39 |

PSD Results

| Channel | Frequency (MHz) | Antenna 5 Meas PSD (dBm/1MHz) | Total Corr'd PSD (dBm/1MHz) | PSD Limit (dBm/ 1MHz) | PSD Margin (dB) |
|---------|--------------------|--|--------------------------------------|-----------------------------|-----------------------|
| Low | 5190 | 9.021 | 9.021 | 11.00 | -1.979 |
| High | 5230 | 8.845 | 8.845 | 11.00 | -2.155 |



1TX Antenna 5 MODE (FCC) MOBILE – SU Mode

| | |
|-----------------------|------------|
| Test Engineer: | 26118 |
| Test Date: | 03/29/2022 |

Antenna Gain and Limits

| Channel | Frequency (MHz) | Directional Gain for Power (dBi) | Power Limit (dBm) | PSD Limit (dBm/ 1MHz) |
|---------|--------------------|---|-------------------------|-----------------------------|
| Low | 5190 | -1.20 | 24.00 | 11.00 |
| High | 5230 | -1.20 | 24.00 | 11.00 |

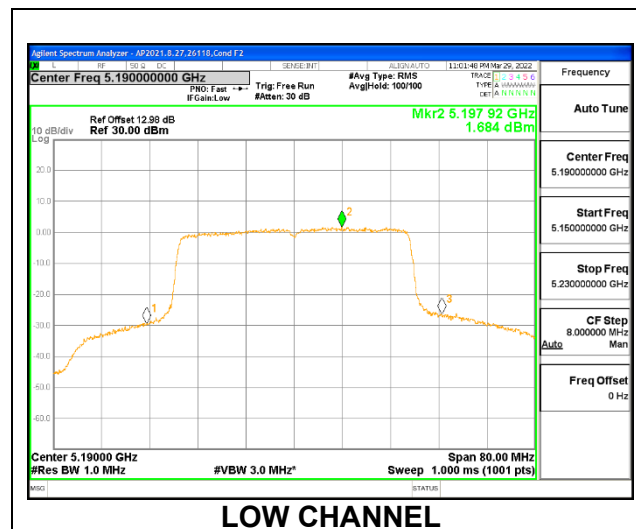
| | | |
|---------------------------|------|---|
| Duty Cycle CF (dB) | 0.13 | Included in Calculations of Corr'd PSD |
|---------------------------|------|---|

Output Power Results

| Channel | Frequency (MHz) | Antenna 5 Meas Power (dBm) | Total Corr'd Power (dBm) | Power Limit (dBm) | Power Margin (dB) |
|---------|--------------------|-------------------------------------|-----------------------------------|-------------------------|-------------------------|
| Low | 5190 | 15.63 | 15.63 | 24.00 | -8.37 |
| High | 5230 | 20.22 | 20.22 | 24.00 | -3.78 |

PSD Results

| Channel | Frequency (MHz) | Antenna 5 Meas PSD (dBm/1MHz) | Total Corr'd PSD (dBm/1MHz) | PSD Limit (dBm/ 1MHz) | PSD Margin (dB) |
|---------|--------------------|--|--------------------------------------|-----------------------------|-----------------------|
| Low | 5190 | 1.684 | 1.814 | 11.00 | -9.186 |
| High | 5230 | 6.618 | 6.748 | 11.00 | -4.252 |



2TX Antenna 6 + Antenna 5 OFDMA MODE (FCC) MOBILE – 26 Tones, RU Index 0

| | |
|-----------------------|---------------------|
| Test Engineer: | 26118 |
| Test Date: | 04/23/2022,04/26/22 |

Antenna Gain and Limits

| Channel | Frequency (MHz) | Directional Gain for Power (dBi) | Directional Gain for PSD (dBi) | Power Limit (dBm) | PSD Limit (dBm/ 1MHz) |
|---------|--------------------|---|---|-------------------------|-----------------------------|
| Low | 5190 | -2.58 | 0.28 | 24.00 | 11.00 |
| High | 5230 | -2.58 | 0.28 | 24.00 | 11.00 |

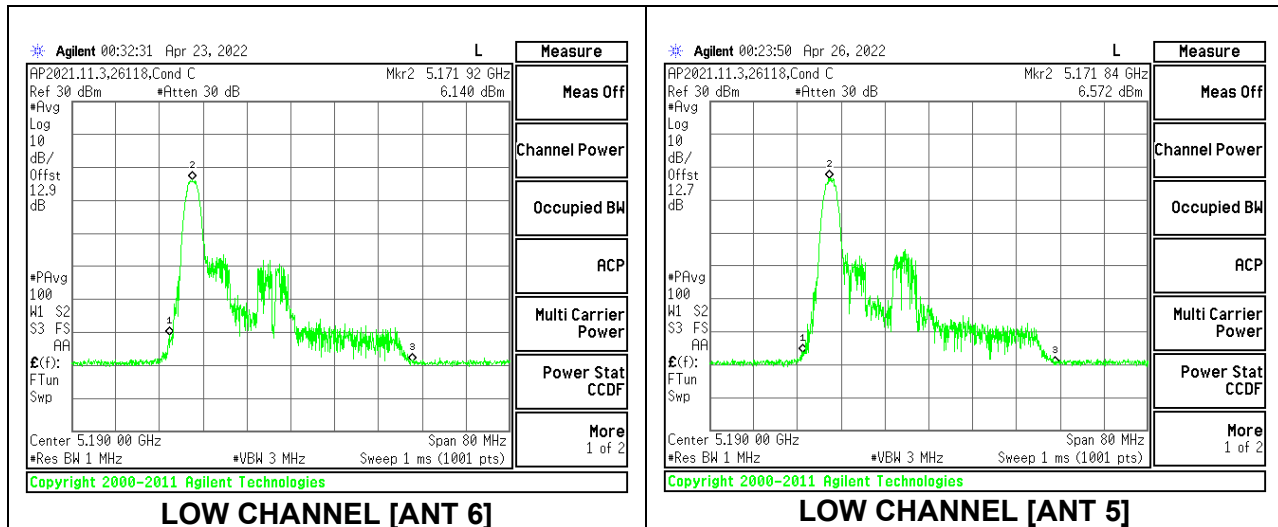
| | | |
|---------------------------|------|---|
| Duty Cycle CF (dB) | 0.00 | Included in Calculations of Corr'd PSD |
|---------------------------|------|---|

Output Power Results

| Channel | Frequency (MHz) | Antenna 6 Meas Power (dBm) | Antenna 5 Meas Power (dBm) | Total Corr'd Power (dBm) | Power Limit (dBm) | Power Margin (dB) |
|---------|--------------------|-------------------------------------|-------------------------------------|-----------------------------------|-------------------------|-------------------------|
| Low | 5190 | 8.65 | 8.72 | 11.70 | 24.00 | -12.30 |
| High | 5230 | 8.62 | 8.70 | 11.67 | 24.00 | -12.33 |

PSD Results

| Channel | Frequency (MHz) | Antenna 6 Meas PSD (dBm/1MHz) | Antenna 5 Meas PSD (dBm/1MHz) | Total Corr'd PSD (dBm/1MHz) | PSD Limit (dBm/ 1MHz) | PSD Margin (dB) |
|---------|--------------------|--|--|--------------------------------------|-----------------------------|-----------------------|
| Low | 5190 | 6.140 | 6.572 | 9.372 | 11.00 | -1.628 |
| High | 5230 | 6.318 | 6.396 | 9.367 | 11.00 | -1.633 |



2TX Antenna 6 + Antenna 5 OFDMA MODE (FCC) MOBILE – 26 Tones, RU Index 8

| | |
|-----------------------|----------------------|
| Test Engineer: | 26118,12559 |
| Test Date: | 04/23/2022, 04/06/22 |

Antenna Gain and Limits

| Channel | Frequency (MHz) | Directional Gain for Power (dBi) | Directional Gain for PSD (dBi) | Power Limit (dBm) | PSD Limit (dBm/ 1MHz) |
|---------|-----------------|----------------------------------|--------------------------------|-------------------|-----------------------|
| Low | 5190 | -2.58 | 0.28 | 24.00 | 11.00 |
| High | 5230 | -2.58 | 0.28 | 24.00 | 11.00 |

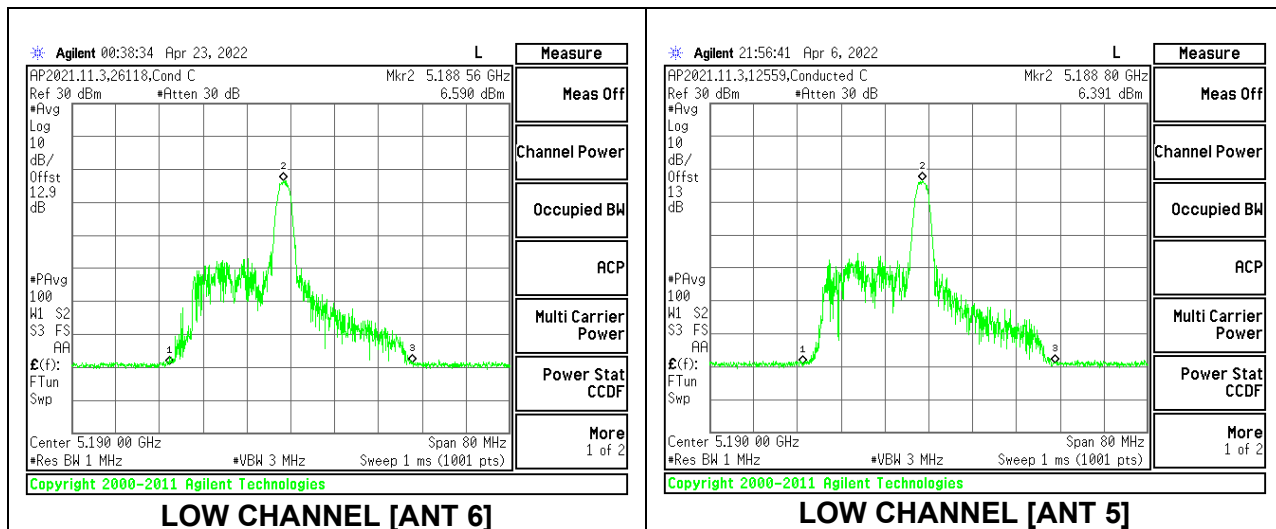
| | | |
|---------------------------|------|---|
| Duty Cycle CF (dB) | 0.00 | Included in Calculations of Corr'd PSD |
|---------------------------|------|---|

Output Power Results

| Channel | Frequency (MHz) | Antenna 6 Meas Power (dBm) | Antenna 5 Meas Power (dBm) | Total Corr'd Power (dBm) | Power Limit (dBm) | Power Margin (dB) |
|---------|-----------------|----------------------------|----------------------------|--------------------------|-------------------|-------------------|
| Low | 5190 | 8.71 | 8.63 | 11.68 | 24.00 | -12.32 |
| High | 5230 | 8.65 | 8.73 | 11.70 | 24.00 | -12.30 |

PSD Results

| Channel | Frequency (MHz) | Antenna 6 Meas PSD (dBm/1MHz) | Antenna 5 Meas PSD (dBm/1MHz) | Total Corr'd PSD (dBm/1MHz) | PSD Limit (dBm/ 1MHz) | PSD Margin (dB) |
|---------|-----------------|-------------------------------|-------------------------------|-----------------------------|-----------------------|-----------------|
| Low | 5190 | 6.590 | 6.391 | 9.502 | 11.00 | -1.498 |
| High | 5230 | 6.775 | 6.893 | 9.845 | 11.00 | -1.155 |



2TX Antenna 6 + Antenna 5 OFDMA MODE (FCC) MOBILE – 26 Tones, RU Index 17

| | |
|-----------------------|---------------------|
| Test Engineer: | 26118,12559 |
| Test Date: | 04/23/2022,04/06/22 |

Antenna Gain and Limits

| Channel | Frequency (MHz) | Directional Gain for Power (dBi) | Directional Gain for PSD (dBi) | Power Limit (dBm) | PSD Limit (dBm/ 1MHz) |
|---------|-----------------|----------------------------------|--------------------------------|-------------------|-----------------------|
| Low | 5190 | -2.58 | 0.28 | 24.00 | 11.00 |
| High | 5230 | -2.58 | 0.28 | 24.00 | 11.00 |

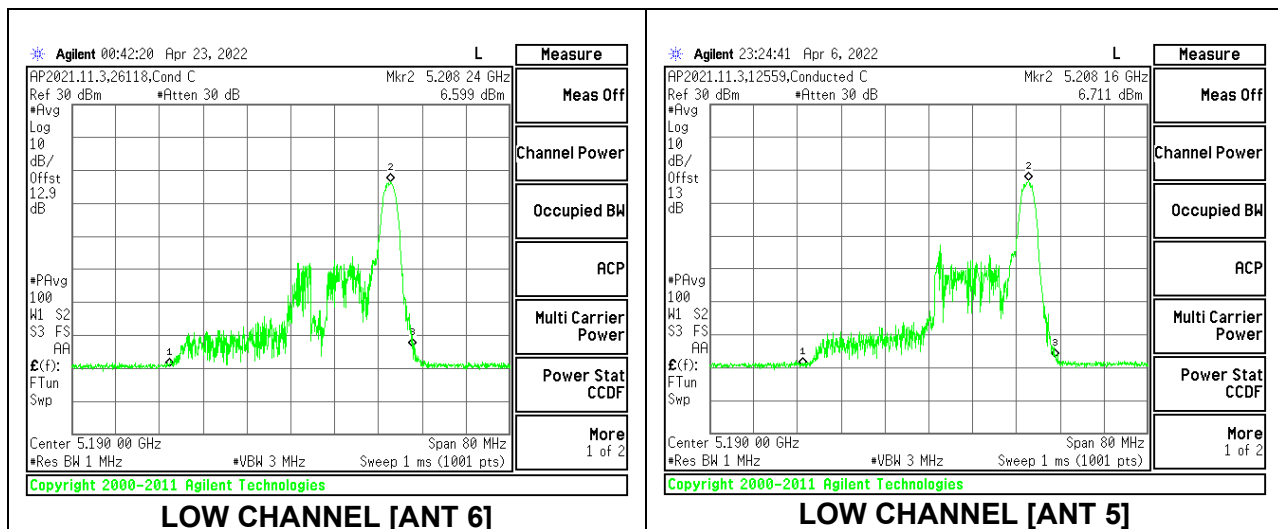
| | | |
|---------------------------|------|---|
| Duty Cycle CF (dB) | 0.00 | Included in Calculations of Corr'd PSD |
|---------------------------|------|---|

Output Power Results

| Channel | Frequency (MHz) | Antenna 6 Meas Power (dBm) | Antenna 5 Meas Power (dBm) | Total Corr'd Power (dBm) | Power Limit (dBm) | Power Margin (dB) |
|---------|-----------------|----------------------------|----------------------------|--------------------------|-------------------|-------------------|
| Low | 5190 | 8.65 | 8.71 | 11.69 | 24.00 | -12.31 |
| High | 5230 | 8.63 | 8.72 | 11.69 | 24.00 | -12.31 |

PSD Results

| Channel | Frequency (MHz) | Antenna 6 Meas PSD (dBm/1MHz) | Antenna 5 Meas PSD (dBm/1MHz) | Total Corr'd PSD (dBm/1MHz) | PSD Limit (dBm/ 1MHz) | PSD Margin (dB) |
|---------|-----------------|-------------------------------|-------------------------------|-----------------------------|-----------------------|-----------------|
| Low | 5190 | 6.599 | 6.711 | 9.666 | 11.00 | -1.334 |
| High | 5230 | 6.447 | 6.606 | 9.538 | 11.00 | -1.462 |



2TX Antenna 6 + Antenna 5 OFDMA MODE (FCC) MOBILE – SU Mode

| | |
|-----------------------|---------------------|
| Test Engineer: | 26118 |
| Test Date: | 04/22/2022,03/31/22 |

Antenna Gain and Limits

| Channel | Frequency (MHz) | Directional Gain for Power (dBi) | Directional Gain for PSD (dBi) | Power Limit (dBm) | PSD Limit (dBm/ 1MHz) |
|---------|--------------------|---|---|-------------------------|-----------------------------|
| Low | 5190 | -2.58 | 0.28 | 24.00 | 11.00 |
| High | 5230 | -2.58 | 0.28 | 24.00 | 11.00 |

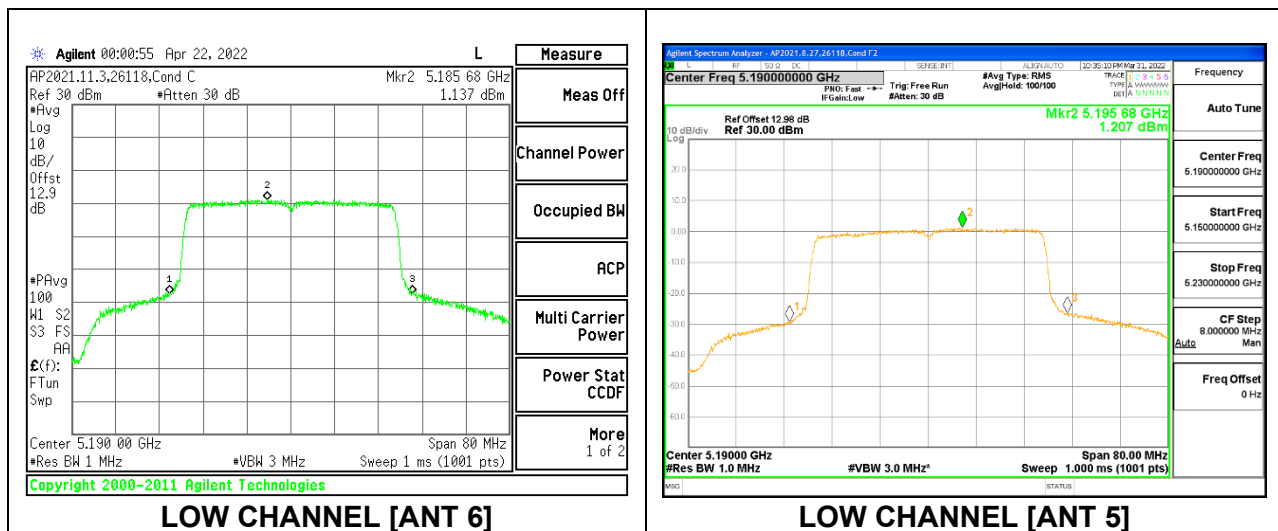
| | | |
|---------------------------|------|---|
| Duty Cycle CF (dB) | 0.13 | Included in Calculations of Corr'd PSD |
|---------------------------|------|---|

Output Power Results

| Channel | Frequency (MHz) | Antenna 6 Meas Power (dBm) | Antenna 5 Meas Power (dBm) | Total Corr'd Power (dBm) | Power Limit (dBm) | Power Margin (dB) |
|---------|--------------------|-------------------------------------|-------------------------------------|-----------------------------------|-------------------------|-------------------------|
| Low | 5190 | 15.12 | 15.20 | 18.17 | 24.00 | -5.83 |
| High | 5230 | 19.18 | 19.25 | 22.23 | 24.00 | -1.77 |

PSD Results

| Channel | Frequency (MHz) | Antenna 6 Meas PSD (dBm/1MHz) | Antenna 5 Meas PSD (dBm/1MHz) | Total Corr'd PSD (dBm/1MHz) | PSD Limit (dBm/ 1MHz) | PSD Margin (dB) |
|---------|--------------------|--|--|--------------------------------------|-----------------------------|-----------------------|
| Low | 5190 | 1.137 | 1.207 | 4.312 | 11.00 | -6.688 |
| High | 5230 | 5.168 | 5.317 | 8.383 | 11.00 | -2.617 |



9.4.6. 802.11ax HE80 MODE IN THE 5.2 GHz BAND

1TX Antenna 6 MODE (FCC) MOBILE – 26 Tones, RU Index 0

| | |
|----------------|----------|
| Test Engineer: | 28161 |
| Test Date: | 07/02/22 |

Antenna Gain and Limits

| Channel | Frequency (MHz) | Directional Gain for Power (dBi) | Power Limit (dBm) | PSD Limit (dBm/ 1MHz) |
|---------|--------------------|---|-------------------------|-----------------------------|
| Mid | 5210 | -4.60 | 24.00 | 11.00 |

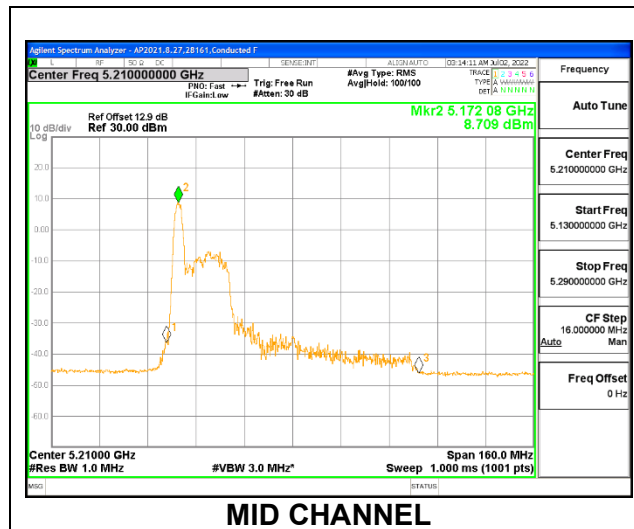
| | | |
|--------------------|------|--|
| Duty Cycle CF (dB) | 0.00 | Included in Calculations of Corr'd PSD |
|--------------------|------|--|

Output Power Results

| Channel | Frequency (MHz) | Antenna 6 Meas Power (dBm) | Total Corr'd Power (dBm) | Power Limit (dBm) | Power Margin (dB) |
|---------|--------------------|-------------------------------------|-----------------------------------|-------------------------|-------------------------|
| Mid | 5210 | 10.74 | 10.74 | 24.00 | -13.26 |

PSD Results

| Channel | Frequency (MHz) | Antenna 6 Meas PSD (dBm/1MHz) | Total Corr'd PSD (dBm/1MHz) | PSD Limit (dBm/ 1MHz) | PSD Margin (dB) |
|---------|--------------------|--|--------------------------------------|-----------------------------|-----------------------|
| Mid | 5210 | 8.709 | 8.709 | 11.00 | -2.291 |



1TX Antenna 6 MODE (FCC) MOBILE – 26 Tones, RU Index 18

| | |
|-----------------------|----------|
| Test Engineer: | 28161 |
| Test Date: | 07/02/22 |

Antenna Gain and Limits

| Channel | Frequency (MHz) | Directional Gain for Power (dBi) | Power Limit (dBm) | PSD Limit (dBm/ 1MHz) |
|---------|--------------------|---|-------------------------|-----------------------------|
| Mid | 5210 | -4.60 | 24.00 | 11.00 |

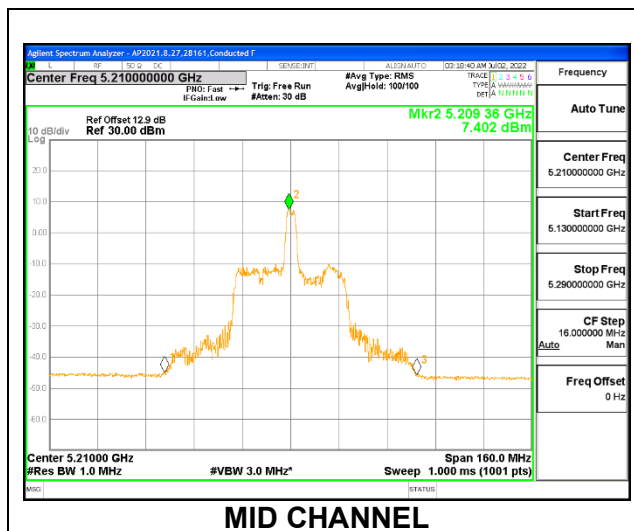
| | | |
|---------------------------|------|---|
| Duty Cycle CF (dB) | 0.00 | Included in Calculations of Corr'd PSD |
|---------------------------|------|---|

Output Power Results

| Channel | Frequency (MHz) | Antenna 6 Meas Power (dBm) | Total Corr'd Power (dBm) | Power Limit (dBm) | Power Margin (dB) |
|---------|--------------------|-------------------------------------|-----------------------------------|-------------------------|-------------------------|
| Mid | 5210 | 10.73 | 10.73 | 24.00 | -13.27 |

PSD Results

| Channel | Frequency (MHz) | Antenna 6 Meas PSD (dBm/1MHz) | Total Corr'd PSD (dBm/1MHz) | PSD Limit (dBm/ 1MHz) | PSD Margin (dB) |
|---------|--------------------|--|--------------------------------------|-----------------------------|-----------------------|
| Mid | 5210 | 7.402 | 7.402 | 11.00 | -3.598 |



1TX Antenna 6 MODE (FCC) MOBILE – 26 Tones, RU Index 36

| | |
|-----------------------|----------|
| Test Engineer: | 28161 |
| Test Date: | 07/02/22 |

Antenna Gain and Limits

| Channel | Frequency (MHz) | Directional Gain for Power (dBi) | Power Limit (dBm) | PSD Limit (dBm/ 1MHz) |
|---------|--------------------|---|-------------------------|-----------------------------|
| Mid | 5210 | -4.60 | 24.00 | 11.00 |

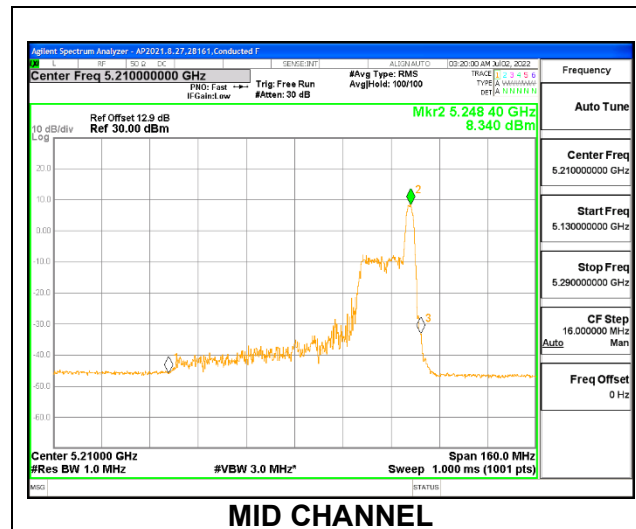
| | | |
|---------------------------|------|---|
| Duty Cycle CF (dB) | 0.00 | Included in Calculations of Corr'd PSD |
|---------------------------|------|---|

Output Power Results

| Channel | Frequency (MHz) | Antenna 6 Meas Power (dBm) | Total Corr'd Power (dBm) | Power Limit (dBm) | Power Margin (dB) |
|---------|--------------------|-------------------------------------|-----------------------------------|-------------------------|-------------------------|
| Mid | 5210 | 10.62 | 10.62 | 24.00 | -13.38 |

PSD Results

| Channel | Frequency (MHz) | Antenna 6 Meas PSD (dBm/1MHz) | Total Corr'd PSD (dBm/1MHz) | PSD Limit (dBm/ 1MHz) | PSD Margin (dB) |
|---------|--------------------|--|--------------------------------------|-----------------------------|-----------------------|
| Mid | 5210 | 8.340 | 8.340 | 11.00 | -2.660 |



1TX Antenna 6 MODE (FCC) MOBILE – SU Mode

| | |
|-----------------------|------------|
| Test Engineer: | 26118 |
| Test Date: | 04/12/2022 |

Antenna Gain and Limits

| Channel | Frequency (MHz) | Directional Gain for Power (dBi) | Power Limit (dBm) | PSD Limit (dBm/ 1MHz) |
|---------|--------------------|---|-------------------------|-----------------------------|
| Mid | 5210 | -4.60 | 24.00 | 11.00 |

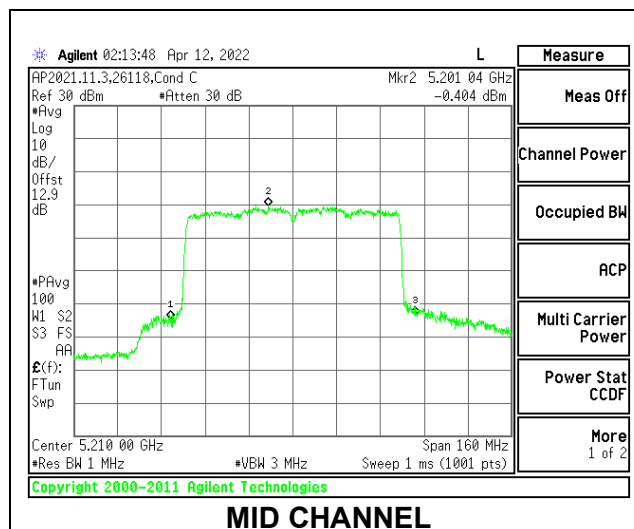
| | | |
|---------------------------|------|---|
| Duty Cycle CF (dB) | 0.23 | Included in Calculations of Corr'd PSD |
|---------------------------|------|---|

Output Power Results

| Channel | Frequency (MHz) | Antenna 6 Meas Power (dBm) | Total Corr'd Power (dBm) | Power Limit (dBm) | Power Margin (dB) |
|---------|--------------------|-------------------------------------|-----------------------------------|-------------------------|-------------------------|
| Mid | 5210 | 16.16 | 16.16 | 24.00 | -7.84 |

PSD Results

| Channel | Frequency (MHz) | Antenna 6 Meas PSD (dBm/1MHz) | Total Corr'd PSD (dBm/1MHz) | PSD Limit (dBm/ 1MHz) | PSD Margin (dB) |
|---------|--------------------|--|--------------------------------------|-----------------------------|-----------------------|
| Mid | 5210 | -0.404 | -0.174 | 11.00 | -11.174 |



1TX Antenna 5 MODE (FCC) MOBILE – 26 Tones, RU Index 0

| | |
|-----------------------|----------|
| Test Engineer: | 27700 |
| Test Date: | 07/03/22 |

Antenna Gain and Limits

| Channel | Frequency (MHz) | Directional Gain for Power (dBi) | Power Limit (dBm) | PSD Limit (dBm/ 1MHz) |
|---------|--------------------|---|-------------------------|-----------------------------|
| Mid | 5210 | -1.20 | 24.00 | 11.00 |

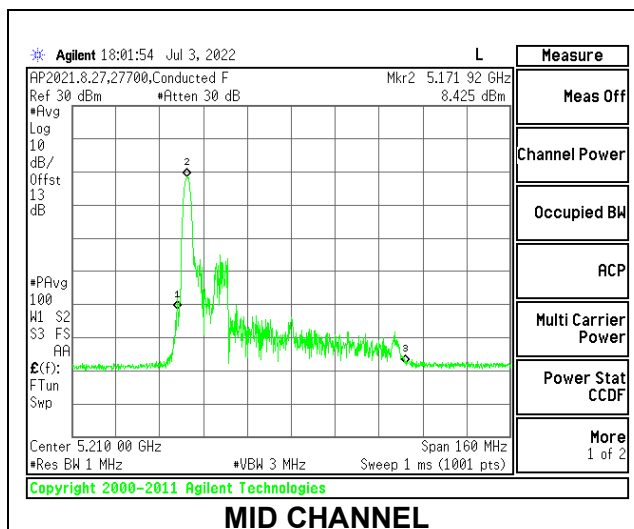
| | | |
|---------------------------|------|---|
| Duty Cycle CF (dB) | 0.00 | Included in Calculations of Corr'd PSD |
|---------------------------|------|---|

Output Power Results

| Channel | Frequency (MHz) | Antenna 5 Meas Power (dBm) | Total Corr'd Power (dBm) | Power Limit (dBm) | Power Margin (dB) |
|---------|--------------------|-------------------------------------|-----------------------------------|-------------------------|-------------------------|
| Mid | 5210 | 10.64 | 10.64 | 24.00 | -13.36 |

PSD Results

| Channel | Frequency (MHz) | Antenna 5 Meas PSD (dBm/1MHz) | Total Corr'd PSD (dBm/1MHz) | PSD Limit (dBm/ 1MHz) | PSD Margin (dB) |
|---------|--------------------|--|--------------------------------------|-----------------------------|-----------------------|
| Mid | 5210 | 8.425 | 8.425 | 11.00 | -2.575 |



1TX Antenna 5 MODE (FCC) MOBILE – 26 Tones, RU Index 18

| | |
|-----------------------|----------|
| Test Engineer: | 27700 |
| Test Date: | 07/03/22 |

Antenna Gain and Limits

| Channel | Frequency (MHz) | Directional Gain for Power (dBi) | Power Limit (dBm) | PSD Limit (dBm/ 1MHz) |
|---------|--------------------|---|-------------------------|-----------------------------|
| Mid | 5210 | -1.20 | 24.00 | 11.00 |

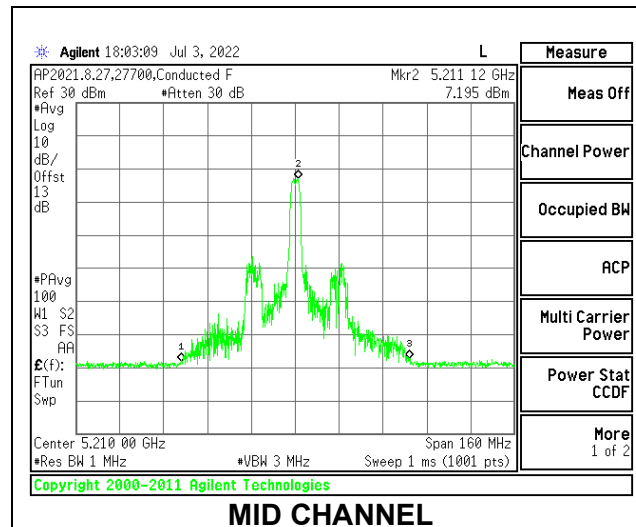
| | | |
|---------------------------|------|---|
| Duty Cycle CF (dB) | 0.00 | Included in Calculations of Corr'd PSD |
|---------------------------|------|---|

Output Power Results

| Channel | Frequency (MHz) | Antenna 5 Meas Power (dBm) | Total Corr'd Power (dBm) | Power Limit (dBm) | Power Margin (dB) |
|---------|--------------------|-------------------------------------|-----------------------------------|-------------------------|-------------------------|
| Mid | 5210 | 10.65 | 10.65 | 24.00 | -13.35 |

PSD Results

| Channel | Frequency (MHz) | Antenna 5 Meas PSD (dBm/1MHz) | Total Corr'd PSD (dBm/1MHz) | PSD Limit (dBm/ 1MHz) | PSD Margin (dB) |
|---------|--------------------|--|--------------------------------------|-----------------------------|-----------------------|
| Mid | 5210 | 7.195 | 7.195 | 11.00 | -3.805 |



1TX Antenna 5 MODE (FCC) MOBILE – 26 Tones, RU Index 36

| | |
|-----------------------|----------|
| Test Engineer: | 27700 |
| Test Date: | 07/03/22 |

Antenna Gain and Limits

| Channel | Frequency (MHz) | Directional Gain for Power (dBi) | Power Limit (dBm) | PSD Limit (dBm/ 1MHz) |
|---------|--------------------|---|-------------------------|-----------------------------|
| Mid | 5210 | -1.20 | 24.00 | 11.00 |

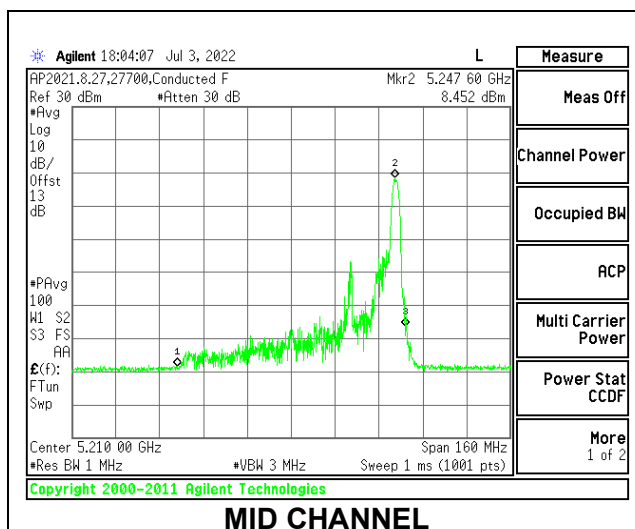
| | | |
|---------------------------|------|---|
| Duty Cycle CF (dB) | 0.00 | Included in Calculations of Corr'd PSD |
|---------------------------|------|---|

Output Power Results

| Channel | Frequency (MHz) | Antenna 5 Meas Power (dBm) | Total Corr'd Power (dBm) | Power Limit (dBm) | Power Margin (dB) |
|---------|--------------------|-------------------------------------|-----------------------------------|-------------------------|-------------------------|
| Mid | 5210 | 10.70 | 10.70 | 24.00 | -13.30 |

PSD Results

| Channel | Frequency (MHz) | Antenna 5 Meas PSD (dBm/1MHz) | Total Corr'd PSD (dBm/1MHz) | PSD Limit (dBm/ 1MHz) | PSD Margin (dB) |
|---------|--------------------|--|--------------------------------------|-----------------------------|-----------------------|
| Mid | 5210 | 8.452 | 8.452 | 11.00 | -2.548 |



1TX Antenna 5 MODE (FCC) MOBILE – SU Mode

| | |
|-----------------------|------------|
| Test Engineer: | 26118 |
| Test Date: | 03/29/2022 |

Antenna Gain and Limits

| Channel | Frequency (MHz) | Directional Gain for Power (dBi) | Power Limit (dBm) | PSD Limit (dBm/ 1MHz) |
|---------|--------------------|---|-------------------------|-----------------------------|
| Mid | 5210 | -1.20 | 24.00 | 11.00 |

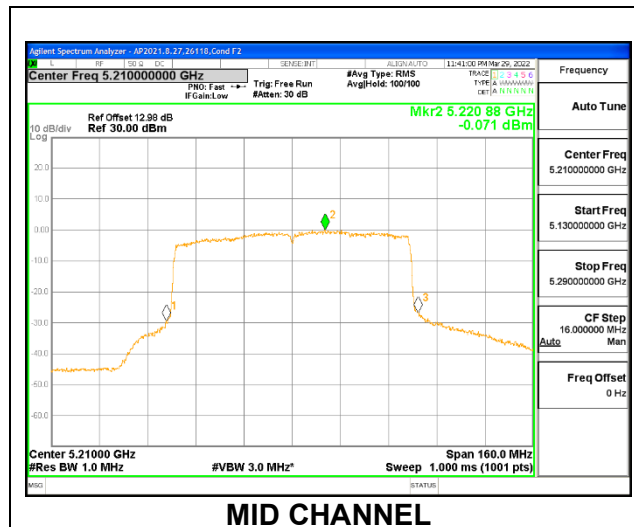
| | | |
|---------------------------|------|---|
| Duty Cycle CF (dB) | 0.23 | Included in Calculations of Corr'd PSD |
|---------------------------|------|---|

Output Power Results

| Channel | Frequency (MHz) | Antenna 6 Meas Power (dBm) | Total Corr'd Power (dBm) | Power Limit (dBm) | Power Margin (dB) |
|---------|--------------------|-------------------------------------|-----------------------------------|-------------------------|-------------------------|
| Mid | 5210 | 16.21 | 16.21 | 24.00 | -7.79 |

PSD Results

| Channel | Frequency (MHz) | Antenna 6 Meas PSD (dBm/1MHz) | Total Corr'd PSD (dBm/1MHz) | PSD Limit (dBm/ 1MHz) | PSD Margin (dB) |
|---------|--------------------|--|--------------------------------------|-----------------------------|-----------------------|
| Mid | 5210 | -0.071 | 0.159 | 11.00 | -10.841 |



2TX Antenna 6 + Antenna 5 OFDMA MODE (FCC) MOBILE – 26 Tones, RU Index 0

| | |
|-----------------------|---------------------|
| Test Engineer: | 26118 |
| Test Date: | 04/25/2022,04/26/22 |

Antenna Gain and Limits

| Channel | Frequency (MHz) | Directional Gain for Power (dBi) | Directional Gain for PSD (dBi) | Power Limit (dBm) | PSD Limit (dBm/1MHz) |
|---------|--------------------|---|---|-------------------------|----------------------------|
| Mid | 5210 | -2.58 | 0.28 | 24.00 | 11.00 |

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

Output Power Results

| Channel | Frequency (MHz) | Antenna 6 Meas Power (dBm) | Antenna 5 Meas Power (dBm) | Total Corr'd Power (dBm) | Power Limit (dBm) | Power Margin (dB) |
|---------|--------------------|-------------------------------------|-------------------------------------|-----------------------------------|-------------------------|-------------------------|
| Mid | 5210 | 8.61 | 8.70 | 11.67 | 24.00 | -12.33 |

PSD Results

| Channel | Frequency (MHz) | Antenna 6 Meas PSD (dBm/1MHz) | Antenna 5 Meas PSD (dBm/1MHz) | Total Corr'd PSD (dBm/ 1MHz) | PSD Limit (dBm/ 1MHz) | PSD Margin (dB) |
|---------|--------------------|--|--|---------------------------------------|-----------------------------|-----------------------|
| Mid | 5210 | 6.211 | 6.559 | 9.399 | 11.00 | -1.601 |

