

**2TX Antenna 6 + Antenna 5 CDD MODE (FCC) – 106 Tones, RU Index 53**

|                       |         |
|-----------------------|---------|
| <b>Test Engineer:</b> | 26118   |
| <b>Test Date:</b>     | 6/10/23 |

**Bandwidth, Antenna Gain, and Limits**

| Channel | Frequency<br>(MHz) | Min<br>26dB<br>BW<br>(MHz) | Directional<br>Gain<br>for Power<br>(dBi) | Directional<br>Gain<br>for PSD<br>(dBi) | Power<br>Limit<br>(dBm) | PSD<br>Limit<br>(dBm/1MHz) |
|---------|--------------------|----------------------------|---|---|-------------------------|----------------------------|
| Low     | 5530               | 19.570                     | -2.28                                     | 0.72                                    | 23.92                   | 11.00                      |
| High    | 5610               | 19.580                     | -2.28                                     | 0.72                                    | 23.92                   | 11.00                      |
| 138     | 5690               | 19.860                     | -2.28                                     | 0.72                                    | 23.98                   | 11.00                      |

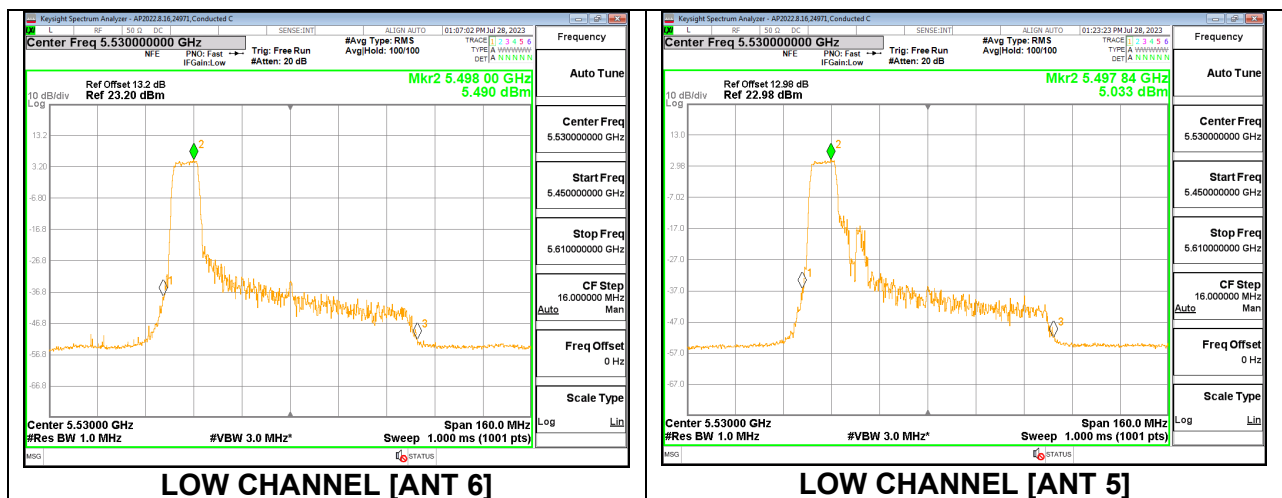
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|---------------------------|------|---|
| <b>Duty Cycle CF (dB)</b> | 0.00 | <b>Included in Calculations of Corr'd PSD</b> |
|---------------------------|------|---|

**Output Power Results**

| Channel | Frequency<br>(MHz) | Antenna 6<br>Meas<br>Power<br>(dBm) | Antenna 5<br>Meas<br>Power<br>(dBm) | Total<br>Corr'd<br>Power<br>(dBm) | Power<br>Limit<br>(dBm) | Power<br>Margin<br>(dB) |
|---------|--------------------|-------------------------------------|-------------------------------------|-----------------------------------|-------------------------|-------------------------|
| Low     | 5530               | 13.47                               | 13.38                               | 16.44                             | 23.92                   | -7.48                   |
| High    | 5610               | 14.48                               | 14.37                               | 17.44                             | 23.92                   | -6.48                   |
| 138     | 5690               | 14.43                               | 14.46                               | 17.46                             | 23.98                   | -6.52                   |

**PSD Results**

| Channel | Frequency<br>(MHz) | Antenna 6<br>Meas<br>PSD<br>(dBm/1MHz) | Antenna 5<br>Meas<br>PSD<br>(dBm/1MHz) | Total<br>Corr'd<br>PSD<br>(dBm/1MHz) | PSD<br>Limit<br>(dBm/1MHz) | PSD<br>Margin<br>(dB) |
|---------|--------------------|--|--|--------------------------------------|----------------------------|-----------------------|
| Low     | 5530               | 5.490                                  | 5.033                                  | 8.278                                | 11.00                      | -2.722                |
| High    | 5610               | 6.580                                  | 6.650                                  | 9.625                                | 11.00                      | -1.375                |
| 138     | 5690               | 6.806                                  | 6.871                                  | 9.849                                | 11.00                      | -1.151                |



**2TX Antenna 6 + Antenna 5 CDD MODE (FCC) – 106 Tones, RU Index 56**

|                       |         |
|-----------------------|---------|
| <b>Test Engineer:</b> | 26118   |
| <b>Test Date:</b>     | 6/10/23 |

**Bandwidth, Antenna Gain, and Limits**

| Channel | Frequency (MHz) | Min 26dB BW (MHz) | Directional Gain for Power (dBi) | Directional Gain for PSD (dBi) | Power Limit (dBm) | PSD Limit (dBm/1MHz) |
|---------|-----------------|-------------------|----------------------------------|--------------------------------|-------------------|----------------------|
| Low     | 5530            | 21.460            | -2.28                            | 0.72                           | 24.00             | 11.00                |
| High    | 5610            | 21.390            | -2.28                            | 0.72                           | 24.00             | 11.00                |
| 138     | 5690            | 21.320            | -2.28                            | 0.72                           | 24.00             | 11.00                |

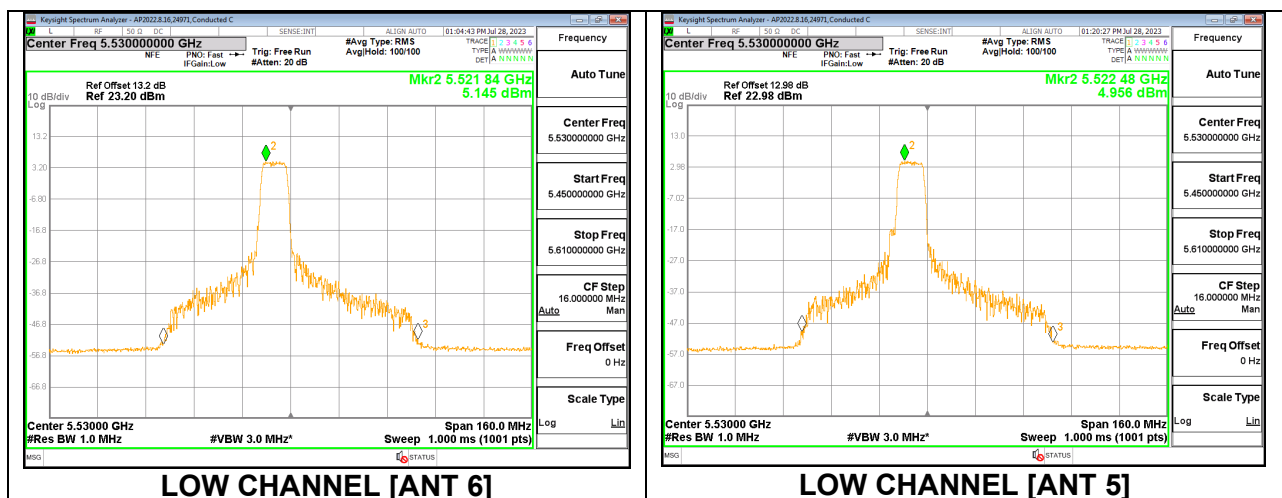
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|---------------------------|------|---|
| <b>Duty Cycle CF (dB)</b> | 0.00 | <b>Included in Calculations of Corr'd PSD</b> |
|---------------------------|------|---|

**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     | 5530            | 13.39                      | 13.34                      | 16.38                    | 24.00             | -7.62             |
| High    | 5610            | 14.33                      | 14.43                      | 17.39                    | 24.00             | -6.61             |
| 138     | 5690            | 14.34                      | 14.47                      | 17.42                    | 24.00             | -6.58             |

**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     | 5530            | 5.145                         | 4.956                         | 8.062                       | 11.00                | -2.938          |
| High    | 5610            | 6.709                         | 6.812                         | 9.771                       | 11.00                | -1.229          |
| 138     | 5690            | 7.111                         | 7.136                         | 10.134                      | 11.00                | -0.866          |



**2TX Antenna 6 + Antenna 5 CDD MODE (FCC) – 106 Tones, RU Index 60**

|                       |         |
|-----------------------|---------|
| <b>Test Engineer:</b> | 26118   |
| <b>Test Date:</b>     | 6/10/23 |

**Bandwidth, Antenna Gain, and Limits**

| Channel | Frequency<br>(MHz) | Min<br>26dB<br>BW<br>(MHz) | Directional<br>Gain<br>for Power<br>(dBi) | Directional<br>Gain<br>for PSD<br>(dBi) | Power<br>Limit<br>(dBm) | PSD<br>Limit<br>(dBm/1MHz) |
|---------|--------------------|----------------------------|---|---|-------------------------|----------------------------|
| Low     | 5530               | 19.700                     | -2.28                                     | 0.72                                    | 23.94                   | 11.00                      |
| High    | 5610               | 19.930                     | -2.28                                     | 0.72                                    | 24.00                   | 11.00                      |
| 138     | 5690               | 19.820                     | -2.28                                     | 0.72                                    | 23.97                   | 11.00                      |

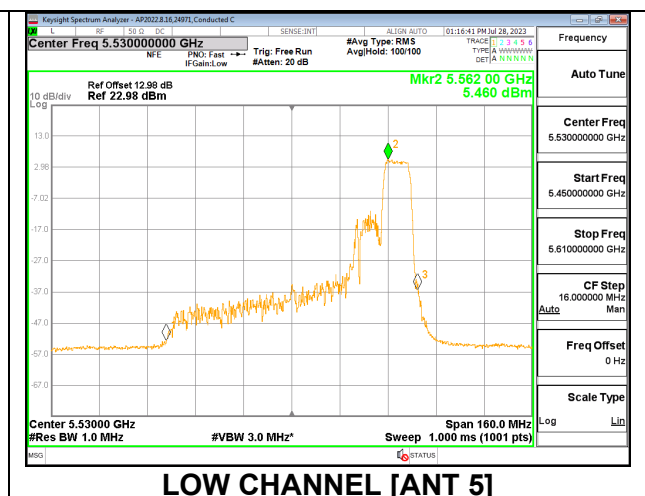
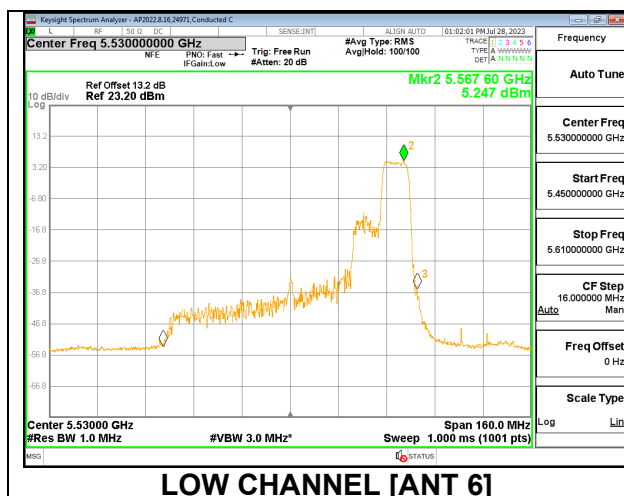
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|---------------------------|------|---|
| <b>Duty Cycle CF (dB)</b> | 0.00 | <b>Included in Calculations of Corr'd PSD</b> |
|---------------------------|------|---|

**Output Power Results**

| Channel | Frequency<br>(MHz) | Antenna 6<br>Meas<br>Power<br>(dBm) | Antenna 5<br>Meas<br>Power<br>(dBm) | Total<br>Corr'd<br>Power<br>(dBm) | Power<br>Limit<br>(dBm) | Power<br>Margin<br>(dB) |
|---------|--------------------|-------------------------------------|-------------------------------------|-----------------------------------|-------------------------|-------------------------|
| Low     | 5530               | 13.46                               | 13.29                               | 16.39                             | 23.94                   | -7.56                   |
| High    | 5610               | 14.35                               | 14.38                               | 17.38                             | 24.00                   | -6.62                   |
| 138     | 5690               | 14.32                               | 14.42                               | 17.38                             | 23.97                   | -6.59                   |

**PSD Results**

| Channel | Frequency<br>(MHz) | Antenna 6<br>Meas<br>PSD<br>(dBm/1MHz) | Antenna 5<br>Meas<br>PSD<br>(dBm/1MHz) | Total<br>Corr'd<br>PSD<br>(dBm/1MHz) | PSD<br>Limit<br>(dBm/1MHz) | PSD<br>Margin<br>(dB) |
|---------|--------------------|--|--|--------------------------------------|----------------------------|-----------------------|
| Low     | 5530               | 5.247                                  | 5.460                                  | 8.365                                | 11.00                      | -2.635                |
| High    | 5610               | 7.185                                  | 7.057                                  | 10.132                               | 11.00                      | -0.868                |
| 138     | 5690               | 7.298                                  | 7.054                                  | 10.188                               | 11.00                      | -0.812                |



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

|                       |         |
|-----------------------|---------|
| <b>Test Engineer:</b> | 26118   |
| <b>Test Date:</b>     | 6/10/23 |

**Bandwidth, Antenna Gain, and Limits**

| Channel | Frequency (MHz) | Min 26dB BW (MHz) | Directional Gain for Power (dBi) | Directional Gain for PSD (dBi) | Power Limit (dBm) | PSD Limit (dBm/1MHz) |
|---------|-----------------|-------------------|----------------------------------|--------------------------------|-------------------|----------------------|
| Low     | 5530            | 82.440            | -2.28                            | 0.72                           | 24.00             | 11.00                |
| High    | 5610            | 82.780            | -2.28                            | 0.72                           | 24.00             | 11.00                |
| 138     | 5690            | 81.610            | -2.28                            | 0.72                           | 24.00             | 11.00                |

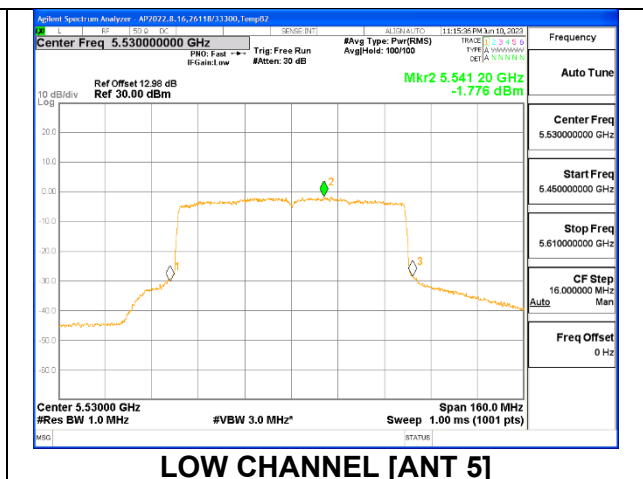
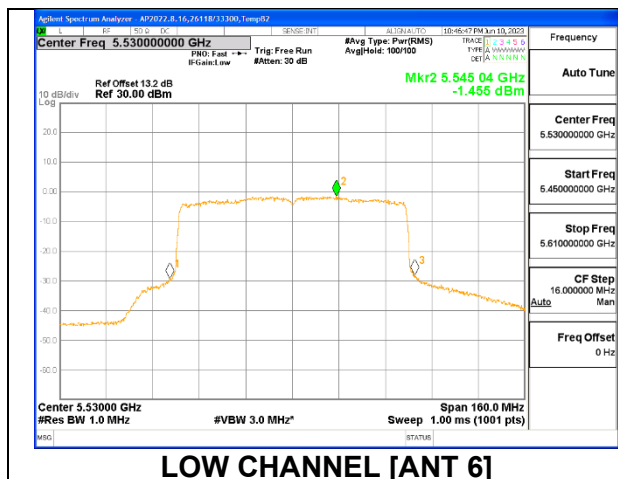
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|---------------------------|------|---|
| <b>Duty Cycle CF (dB)</b> | 0.15 | <b>Included in Calculations of Corr'd PSD</b> |
|---------------------------|------|---|

**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     | 5530            | 14.9                       | 14.79                      | 17.86                    | 24.00             | -6.14             |
| High    | 5610            | 19.92                      | 19.95                      | 22.95                    | 24.00             | -1.05             |
| 138     | 5690            | 19.9                       | 19.98                      | 22.95                    | 24.00             | -1.05             |

**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     | 5530            | -1.455                        | -1.776                        | 1.548                       | 11.00                | -9.452          |
| High    | 5610            | 3.283                         | 3.158                         | 6.381                       | 11.00                | -4.619          |
| 138     | 5690            | 3.098                         | 3.276                         | 6.348                       | 11.00                | -4.652          |



**9.4.19. 802.11n HT20 MODE IN THE 5.8 GHz BAND**

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

|                |            |
|----------------|------------|
| Test Engineer: | 32543      |
| Test Date:     | 07/28/2023 |

| Channel | Frequency (MHz) | Directional Gain (dBi) | Power Limit (dBm) | PSD Limit (dBm/500KHz) |
|---------|-----------------|------------------------|-------------------|------------------------|
| Low     | 5745            | -3.5                   | 30.00             | 30.00                  |
| Mid     | 5785            | -3.5                   | 30.00             | 30.00                  |
| High    | 5825            | -3.5                   | 30.00             | 30.00                  |

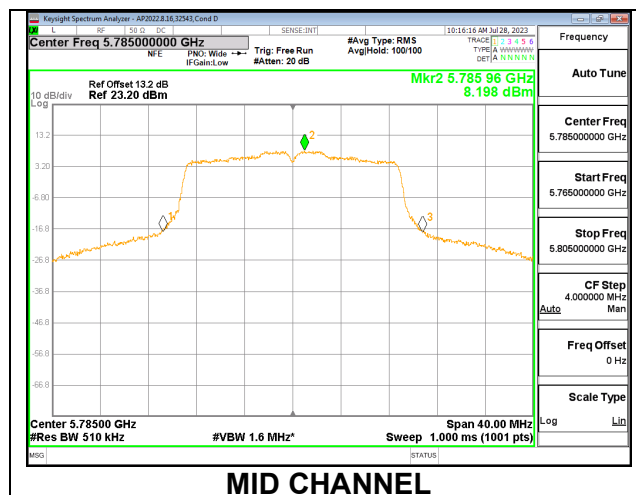
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| Duty Cycle CF (dB) | 0.00 | Included in Calculations of Corr'd PSD |
|--------------------|------|--|

**Output Power Results**

| Channel | Frequency (MHz) | Antenna 6 Meas Power (dBm) | Total Corr'd Power (dBm) | Power Limit (dBm) | Power Margin (dB) |
|---------|-----------------|----------------------------|--------------------------|-------------------|-------------------|
| Low     | 5745            | 20.98                      | 20.98                    | 30.00             | -9.02             |
| Mid     | 5785            | 20.97                      | 20.97                    | 30.00             | -9.03             |
| High    | 5825            | 20.99                      | 20.99                    | 30.00             | -9.01             |

**PSD Results**

| Channel | Frequency (MHz) | Antenna 6 Meas PSD (dBm/500KHz) | Total Corr'd PSD (dBm/500KHz) | PSD Limit (dBm/500KHz) | PSD Margin (dB) |
|---------|-----------------|---------------------------------|-------------------------------|------------------------|-----------------|
| Low     | 5745            | 8.310                           | 8.310                         | 30.00                  | -21.69          |
| Mid     | 5785            | 8.198                           | 8.198                         | 30.00                  | -21.80          |
| High    | 5825            | 7.815                           | 7.815                         | 30.00                  | -22.19          |



**MID CHANNEL**

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

|                       |            |
|-----------------------|------------|
| <b>Test Engineer:</b> | 32543      |
| <b>Test Date:</b>     | 07/28/2023 |

**Antenna Gain and Limit**

| Channel | Frequency (MHz) | Directional Gain (dBi) | Power Limit (dBm) | PSD Limit (dBm/500KHz) |
|---------|-----------------|------------------------|-------------------|------------------------|
| Low     | 5745            | -1.9                   | 30.00             | 30.00                  |
| Mid     | 5785            | -1.9                   | 30.00             | 30.00                  |
| High    | 5825            | -1.9                   | 30.00             | 30.00                  |

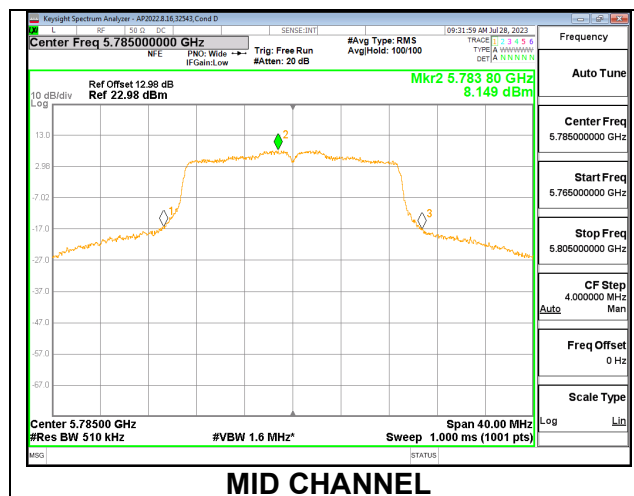
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|---------------------------|------|---|
| <b>Duty Cycle CF (dB)</b> | 0.00 | <b>Included in Calculations of Corr'd PSD</b> |
|---------------------------|------|---|

**Output Power Results**

| Channel | Frequency (MHz) | Antenna 5 Meas Power (dBm) | Total Corr'd Power (dBm) | Power Limit (dBm) | Power Margin (dB) |
|---------|-----------------|----------------------------|--------------------------|-------------------|-------------------|
| Low     | 5745            | 20.97                      | 20.97                    | 30.00             | -9.03             |
| Mid     | 5785            | 20.98                      | 20.98                    | 30.00             | -9.02             |
| High    | 5825            | 20.96                      | 20.96                    | 30.00             | -9.04             |

**PSD Results**

| Channel | Frequency (MHz) | Antenna 5 Meas PSD (dBm/500KHz) | Total Corr'd PSD (dBm/500KHz) | PSD Limit (dBm/500KHz) | PSD Margin (dB) |
|---------|-----------------|---------------------------------|-------------------------------|------------------------|-----------------|
| Low     | 5745            | 8.184                           | 8.184                         | 30.00                  | -21.82          |
| Mid     | 5785            | 8.149                           | 8.149                         | 30.00                  | -21.85          |
| High    | 5825            | 8.005                           | 8.005                         | 30.00                  | -22.00          |



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

|                       |            |
|-----------------------|------------|
| <b>Test Engineer:</b> | 32543      |
| <b>Test Date:</b>     | 07/28/2023 |

**Antenna Gain and Limit**

| Channel | Frequency (MHz) | Directional Gain For Power (dBi) | Directional Gain For PSD (dBi) | Power Limit (dBm) | PSD Limit (dBm/500KHz) |
|---------|-----------------|----------------------------------|--------------------------------|-------------------|------------------------|
| Low     | 5745            | -2.63                            | 0.35                           | 30.00             | 30.00                  |
| Mid     | 5785            | -2.63                            | 0.35                           | 30.00             | 30.00                  |
| High    | 5825            | -2.63                            | 0.35                           | 30.00             | 30.00                  |

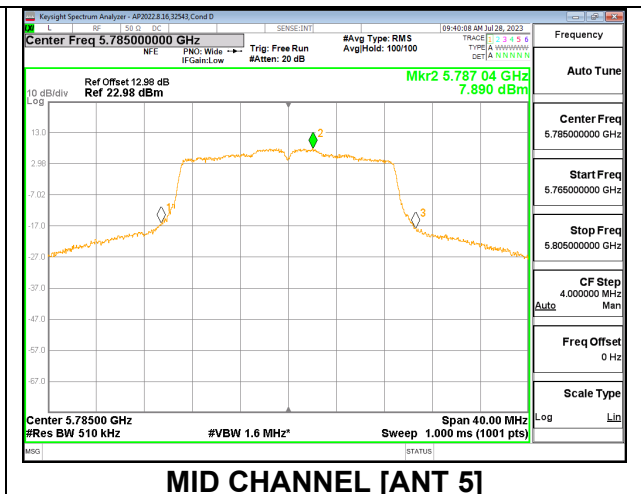
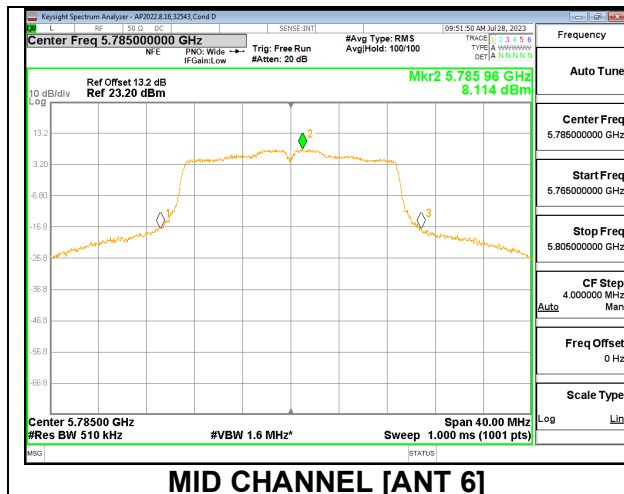
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|---------------------------|------|---|
| <b>Duty Cycle CF (dB)</b> | 0.00 | <b>Included in Calculations of Corr'd PSD</b> |
|---------------------------|------|---|

**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     | 5745            | 20.97                      | 20.99                      | 23.99                    | 30.00             | -6.01             |
| Mid     | 5785            | 20.97                      | 20.96                      | 23.98                    | 30.00             | -6.02             |
| High    | 5825            | 20.99                      | 20.95                      | 23.98                    | 30.00             | -6.02             |

**PSD Results**

| Channel | Frequency (MHz) | Antenna 6 Meas PSD (dBm/500KHz) | Antenna 5 Meas PSD (dBm/500KHz) | Total Corr'd PSD (dBm/500KHz) | PSD Limit (dBm/500KHz) | PSD Margin (dB) |
|---------|-----------------|---------------------------------|---------------------------------|-------------------------------|------------------------|-----------------|
| Low     | 5745            | 8.268                           | 8.322                           | 11.305                        | 30.00                  | -18.695         |
| Mid     | 5785            | 8.114                           | 7.890                           | 11.014                        | 30.00                  | -18.986         |
| High    | 5825            | 8.211                           | 8.145                           | 11.188                        | 30.00                  | -18.812         |



**9.4.20. 802.11n HT40 MODE IN THE 5.8 GHz BAND**

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

|                |            |
|----------------|------------|
| Test Engineer: | 32543      |
| Test Date:     | 07/28/2023 |

**Antenna Gain and Limit**

| Channel | Frequency (MHz) | Directional Gain (dBi) | Power Limit (dBm) | PSD Limit (dBm/500KHz) |
|---------|-----------------|------------------------|-------------------|------------------------|
| Low     | 5755            | -3.5                   | 30.00             | 30.00                  |
| High    | 5795            | -3.5                   | 30.00             | 30.00                  |

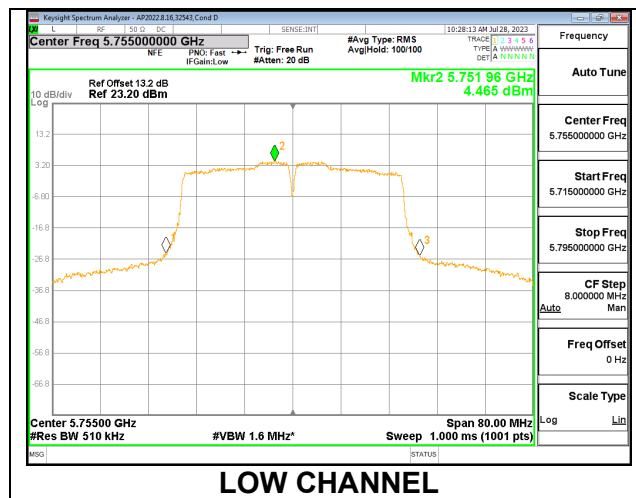
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|--------------------|------|--|
| Duty Cycle CF (dB) | 0.00 | Included in Calculations of Corr'd PSD |
|--------------------|------|--|

**Output Power Results**

| Channel | Frequency (MHz) | Antenna 6 Meas Power (dBm) | Total Corr'd Power (dBm) | Power Limit (dBm) | Power Margin (dB) |
|---------|-----------------|----------------------------|--------------------------|-------------------|-------------------|
| Low     | 5755            | 19.97                      | 19.97                    | 30.00             | -10.03            |
| High    | 5795            | 19.99                      | 19.99                    | 30.00             | -10.01            |

**PSD Results**

| Channel | Frequency (MHz) | Antenna 6 Meas PSD (dBm/500KHz) | Total Corr'd PSD (dBm/500KHz) | PSD Limit (dBm/500KHz) | PSD Margin (dB) |
|---------|-----------------|---------------------------------|-------------------------------|------------------------|-----------------|
| Low     | 5755            | 4.465                           | 4.465                         | 30.00                  | -25.54          |
| High    | 5795            | 4.558                           | 4.558                         | 30.00                  | -25.44          |





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

|                       |            |
|-----------------------|------------|
| <b>Test Engineer:</b> | 32543      |
| <b>Test Date:</b>     | 07/28/2023 |

**Antenna Gain and Limit**

| Channel | Frequency (MHz) | Directional Gain (dBi) | Power Limit (dBm) | PSD Limit (dBm/500KHz) |
|---------|-----------------|------------------------|-------------------|------------------------|
| Low     | 5755            | -1.9                   | 30.00             | 30.00                  |
| High    | 5795            | -1.9                   | 30.00             | 30.00                  |

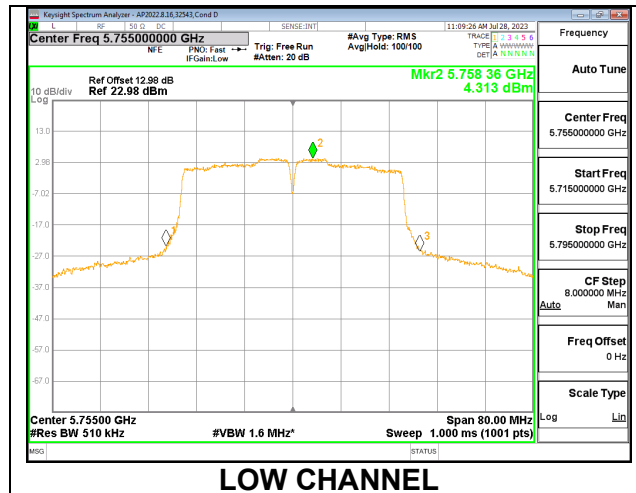
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|---------------------------|------|---|
| <b>Duty Cycle CF (dB)</b> | 0.00 | <b>Included in Calculations of Corr'd PSD</b> |
|---------------------------|------|---|

**Output Power Results**

| Channel | Frequency (MHz) | Antenna 5 Meas Power (dBm) | Total Corr'd Power (dBm) | Power Limit (dBm) | Power Margin (dB) |
|---------|-----------------|----------------------------|--------------------------|-------------------|-------------------|
| Low     | 5755            | 19.98                      | 19.98                    | 30.00             | -10.02            |
| High    | 5795            | 19.96                      | 19.96                    | 30.00             | -10.04            |

**PSD Results**

| Channel | Frequency (MHz) | Antenna 5 Meas PSD (dBm/500KHz) | Total Corr'd PSD (dBm/500KHz) | PSD Limit (dBm/500KHz) | PSD Margin (dB) |
|---------|-----------------|---------------------------------|-------------------------------|------------------------|-----------------|
| Low     | 5755            | 4.313                           | 4.313                         | 30.00                  | -25.69          |
| High    | 5795            | 4.438                           | 4.438                         | 30.00                  | -25.56          |



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

|                       |            |
|-----------------------|------------|
| <b>Test Engineer:</b> | 32543      |
| <b>Test Date:</b>     | 07/28/2023 |

**Antenna Gain and Limit**

| Channel | Frequency (MHz) | Directional Gain For Power (dBi) | Directional Gain For PSD (dBi) | Power Limit (dBm) | PSD Limit (dBm/500KHz) |
|---------|-----------------|----------------------------------|--------------------------------|-------------------|------------------------|
| Low     | 5755            | -2.63                            | 0.35                           | 30.00             | 30.00                  |
| High    | 5795            | -2.63                            | 0.35                           | 30.00             | 30.00                  |

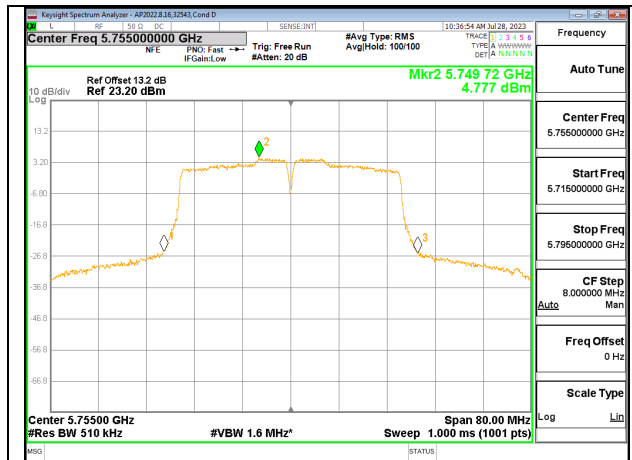
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|---------------------------|------|---|
| <b>Duty Cycle CF (dB)</b> | 0.00 | <b>Included in Calculations of Corr'd PSD</b> |
|---------------------------|------|---|

**Output Power Results**

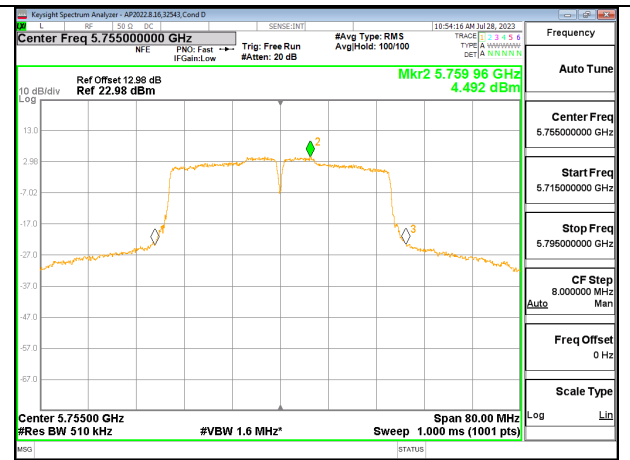
| Channel | Frequency (MHz) | Antenna 6 Meas Power (dBm) | Antenna 5 Meas Power (dBm) | Total Corr'd Power (dBm) | Power Limit (dBm) | Power Margin (dB) |
|---------|-----------------|----------------------------|----------------------------|--------------------------|-------------------|-------------------|
| Low     | 5755            | 19.97                      | 19.99                      | 22.99                    | 30.00             | -7.01             |
| High    | 5795            | 19.98                      | 19.96                      | 22.98                    | 30.00             | -7.02             |

**PSD Results**

| Channel | Frequency (MHz) | Antenna 6 Meas PSD (dBm/500KHz) | Antenna 5 Meas PSD (dBm/500KHz) | Total Corr'd PSD (dBm/500KHz) | PSD Limit (dBm/500KHz) | PSD Margin (dB) |
|---------|-----------------|---------------------------------|---------------------------------|-------------------------------|------------------------|-----------------|
| Low     | 5755            | 4.777                           | 4.492                           | 7.647                         | 30.00                  | -22.353         |
| High    | 5795            | 4.580                           | 4.595                           | 7.598                         | 30.00                  | -22.402         |



**LOW CHANNEL [ANT 6]**



**LOW CHANNEL [ANT 5]**

**9.4.21. 802.11ac VHT80 MODE IN THE 5.8 GHz BAND**

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

|                       |            |
|-----------------------|------------|
| <b>Test Engineer:</b> | 32543      |
| <b>Test Date:</b>     | 07/28/2023 |

**Antenna Gain and Limit**

| Channel | Frequency (MHz) | Directional Gain (dBi) | Power Limit (dBm) | PSD Limit (dBm/500KHz) |
|---------|-----------------|------------------------|-------------------|------------------------|
| Mid     | 5775            | -3.5                   | 30.00             | 30.00                  |

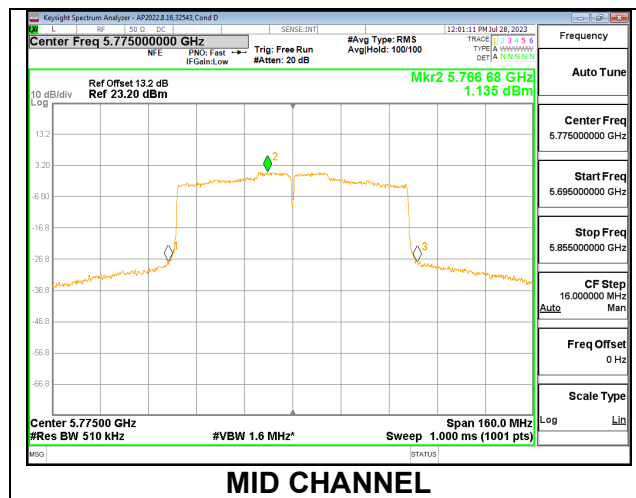
|                           |      |   |
|---------------------------|------|---|
| <b>Duty Cycle CF (dB)</b> | 0.09 | <b>Included in Calculations of Corr'd PSD</b> |
|---------------------------|------|---|

**Output Power Results**

| Channel | Frequency (MHz) | Antenna 6 Meas Power (dBm) | Total Corr'd Power (dBm) | Power Limit (dBm) | Power Margin (dB) |
|---------|-----------------|----------------------------|--------------------------|-------------------|-------------------|
| Mid     | 5775            | 19.97                      | 19.97                    | 30.00             | -10.03            |

**PSD Results**

| Channel | Frequency (MHz) | Antenna 6 Meas PSD (dBm/500KHz) | Total Corr'd PSD (dBm/500KHz) | PSD Limit (dBm/500KHz) | PSD Margin (dB) |
|---------|-----------------|---------------------------------|-------------------------------|------------------------|-----------------|
| Mid     | 5775            | 1.135                           | 1.225                         | 30.00                  | -28.78          |



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

|                |            |
|----------------|------------|
| Test Engineer: | 32543      |
| Test Date:     | 07/28/2023 |

**Antenna Gain and Limit**

| Channel | Frequency<br>(MHz) | Directional<br>Gain<br>(dBi) | Power<br>Limit<br>(dBm) | PSD<br>Limit<br>(dBm/500KHz) |
|---------|--------------------|------------------------------|-------------------------|------------------------------|
| Mid     | 5775               | -1.9                         | 30.00                   | 30.00                        |

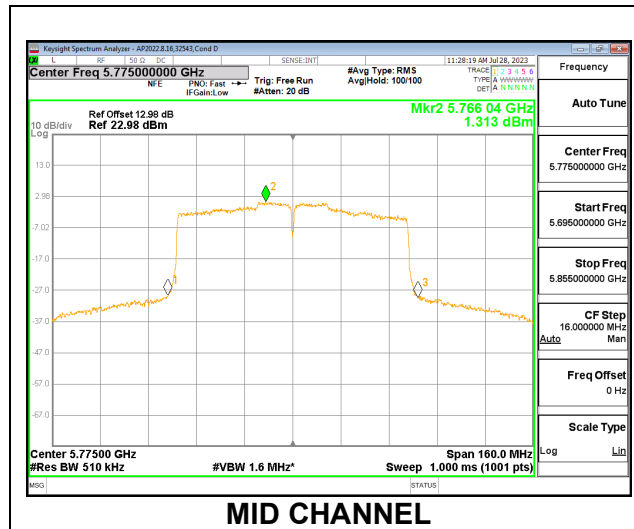
|                           |      |   |
|---------------------------|------|---|
| <b>Duty Cycle CF (dB)</b> | 0.09 | <b>Included in Calculations of Corr'd PSD</b> |
|---------------------------|------|---|

**Output Power Results**

| Channel | Frequency<br>(MHz) | Antenna 5<br>Meas<br>Power<br>(dBm) | Total<br>Corr'd<br>Power<br>(dBm) | Power<br>Limit<br>(dBm) | Power<br>Margin<br>(dB) |
|---------|--------------------|-------------------------------------|-----------------------------------|-------------------------|-------------------------|
| Mid     | 5775               | 19.99                               | 19.99                             | 30.00                   | -10.01                  |

**PSD Results**

| Channel | Frequency<br>(MHz) | Antenna 5<br>Meas<br>PSD<br>(dBm/500KHz) | Total<br>Corr'd<br>PSD<br>(dBm/500KHz) | PSD<br>Limit<br>(dBm/500KHz) | PSD<br>Margin<br>(dB) |
|---------|--------------------|--|--|------------------------------|-----------------------|
| Mid     | 5775               | 1.313                                    | 1.403                                  | 30.00                        | -28.60                |



**MID CHANNEL**

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

|                       |            |
|-----------------------|------------|
| <b>Test Engineer:</b> | 32543      |
| <b>Test Date:</b>     | 07/28/2023 |

**Antenna Gain and Limit**

| Channel | Frequency (MHz) | Directional Gain For Power (dBi) | Directional Gain For PSD (dBi) | Power Limit (dBm) | PSD Limit (dBm/500KHz) |
|---------|-----------------|----------------------------------|--------------------------------|-------------------|------------------------|
| Mid     | 5775            | -2.63                            | 0.35                           | 30.00             | 30.00                  |

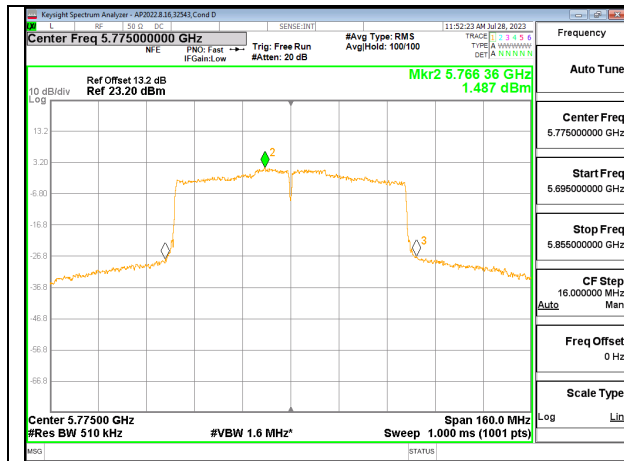
|                           |      |   |
|---------------------------|------|---|
| <b>Duty Cycle CF (dB)</b> | 0.09 | <b>Included in Calculations of Corr'd PSD</b> |
|---------------------------|------|---|

**Output Power Results**

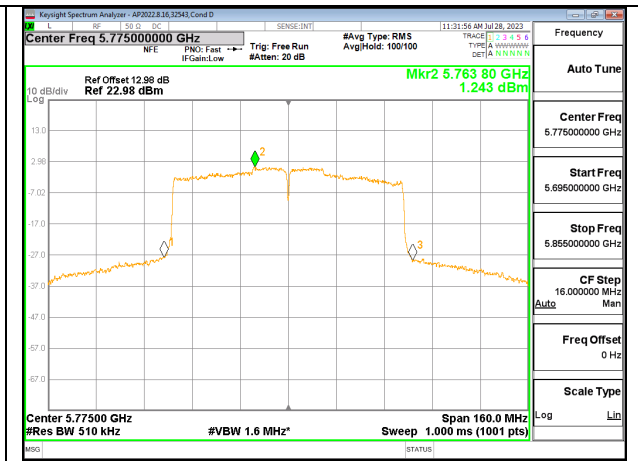
| Channel | Frequency (MHz) | Antenna 6 Meas Power (dBm) | Antenna 5 Meas Power (dBm) | Total Corr'd Power (dBm) | Power Limit (dBm) | Power Margin (dB) |
|---------|-----------------|----------------------------|----------------------------|--------------------------|-------------------|-------------------|
| Mid     | 5775            | 19.99                      | 19.96                      | 22.99                    | 30.00             | -7.01             |

**PSD Results**

| Channel | Frequency (MHz) | Antenna 6 Meas PSD (dBm/500KHz) | Antenna 5 Meas PSD (dBm/500KHz) | Total Corr'd PSD (dBm/500KHz) | PSD Limit (dBm/500KHz) | PSD Margin (dB) |
|---------|-----------------|---------------------------------|---------------------------------|-------------------------------|------------------------|-----------------|
| Mid     | 5775            | 1.487                           | 1.243                           | 4.467                         | 30.00                  | -25.533         |



**MID CHANNEL [ANT 6]**



**MID CHANNEL [ANT 5]**

**9.4.22. 802.11ax HE20 MODE IN THE 5.8 GHz BAND**

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

|                |            |
|----------------|------------|
| Test Engineer: | 07/28/2023 |
| Test Date:     | 32543      |

**Antenna Gain and Limit**

| Channel | Frequency (MHz) | Directional Gain (dBi) | Power Limit (dBm) | PSD Limit (dBm/500KHz) |
|---------|-----------------|------------------------|-------------------|------------------------|
| Low     | 5745            | -3.5                   | 30.00             | 30.00                  |
| Mid     | 5785            | -3.5                   | 30.00             | 30.00                  |
| High    | 5825            | -3.5                   | 30.00             | 30.00                  |

|                    |      |  |
|--------------------|------|--|
| 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     | 5745            | 11.49                      | 11.49                    | 30.00             | -18.51            |
| Mid     | 5785            | 11.46                      | 11.46                    | 30.00             | -18.54            |
| High    | 5825            | 11.48                      | 11.48                    | 30.00             | -18.52            |

**PSD Results**

| Channel | Frequency (MHz) | Antenna 6 Meas PSD (dBm/500KHz) | Total Corr'd PSD (dBm/500KHz) | PSD Limit (dBm/500KHz) | PSD Margin (dB) |
|---------|-----------------|---------------------------------|-------------------------------|------------------------|-----------------|
| Low     | 5745            | 6.702                           | 6.702                         | 30.00                  | -23.30          |
| Mid     | 5785            | 6.397                           | 6.397                         | 30.00                  | -23.60          |
| High    | 5825            | 6.008                           | 6.008                         | 30.00                  | -23.99          |



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

|                       |            |
|-----------------------|------------|
| <b>Test Engineer:</b> | 32543      |
| <b>Test Date:</b>     | 07/28/2023 |

**Antenna Gain and Limit**

| Channel | Frequency (MHz) | Directional Gain (dBi) | Power Limit (dBm) | PSD Limit (dBm/500KHz) |
|---------|-----------------|------------------------|-------------------|------------------------|
| Low     | 5745            | -3.5                   | 30.00             | 30.00                  |
| Mid     | 5785            | -3.5                   | 30.00             | 30.00                  |
| High    | 5825            | -3.5                   | 30.00             | 30.00                  |

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

**Output Power Results**

| Channel | Frequency (MHz) | Antenna 6 Meas Power (dBm) | Total Corr'd Power (dBm) | Power Limit (dBm) | Power Margin (dB) |
|---------|-----------------|----------------------------|--------------------------|-------------------|-------------------|
| Low     | 5745            | 11.47                      | 11.47                    | 30.00             | -18.53            |
| Mid     | 5785            | 11.49                      | 11.49                    | 30.00             | -18.51            |
| High    | 5825            | 11.48                      | 11.48                    | 30.00             | -18.52            |

**PSD Results**

| Channel | Frequency (MHz) | Antenna 6 Meas PSD (dBm/500KHz) | Total Corr'd PSD (dBm/500KHz) | PSD Limit (dBm/500KHz) | PSD Margin (dB) |
|---------|-----------------|---------------------------------|-------------------------------|------------------------|-----------------|
| Low     | 5745            | 6.295                           | 6.295                         | 30.00                  | -23.71          |
| Mid     | 5785            | 5.945                           | 5.945                         | 30.00                  | -24.06          |
| High    | 5825            | 5.782                           | 5.782                         | 30.00                  | -24.22          |



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

|                       |            |
|-----------------------|------------|
| <b>Test Engineer:</b> | 32543      |
| <b>Test Date:</b>     | 07/28/2023 |

**Antenna Gain and Limit**

| Channel | Frequency (MHz) | Directional Gain (dBi) | Power Limit (dBm) | PSD Limit (dBm/500KHz) |
|---------|-----------------|------------------------|-------------------|------------------------|
| Low     | 5745            | -3.5                   | 30.00             | 30.00                  |
| Mid     | 5785            | -3.5                   | 30.00             | 30.00                  |
| High    | 5825            | -3.5                   | 30.00             | 30.00                  |

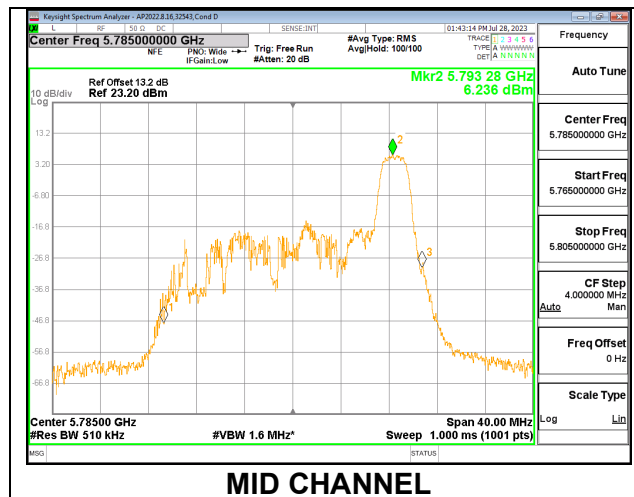
|                           |      |   |
|---------------------------|------|---|
| <b>Duty Cycle CF (dB)</b> | 0.00 | <b>Included in Calculations of Corr'd PSD</b> |
|---------------------------|------|---|

**Output Power Results**

| Channel | Frequency (MHz) | Antenna 6 Meas Power (dBm) | Total Corr'd Power (dBm) | Power Limit (dBm) | Power Margin (dB) |
|---------|-----------------|----------------------------|--------------------------|-------------------|-------------------|
| Low     | 5745            | 11.47                      | 11.47                    | 30.00             | -18.53            |
| Mid     | 5785            | 11.49                      | 11.49                    | 30.00             | -18.51            |
| High    | 5825            | 11.49                      | 11.49                    | 30.00             | -18.51            |

**PSD Results**

| Channel | Frequency (MHz) | Antenna 6 Meas PSD (dBm/500KHz) | Total Corr'd PSD (dBm/500KHz) | PSD Limit (dBm/500KHz) | PSD Margin (dB) |
|---------|-----------------|---------------------------------|-------------------------------|------------------------|-----------------|
| Low     | 5745            | 6.405                           | 6.405                         | 30.00                  | -23.60          |
| Mid     | 5785            | 6.236                           | 6.236                         | 30.00                  | -23.76          |
| High    | 5825            | 5.995                           | 5.995                         | 30.00                  | -24.01          |





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

|                       |            |
|-----------------------|------------|
| <b>Test Engineer:</b> | 32543      |
| <b>Test Date:</b>     | 07/28/2023 |

**Antenna Gain and Limit**

| Channel | Frequency (MHz) | Directional Gain (dBi) | Power Limit (dBm) | PSD Limit (dBm/500KHz) |
|---------|-----------------|------------------------|-------------------|------------------------|
| Low     | 5745            | -3.5                   | 30.00             | 30.00                  |
| Mid     | 5785            | -3.5                   | 30.00             | 30.00                  |
| High    | 5825            | -3.5                   | 30.00             | 30.00                  |

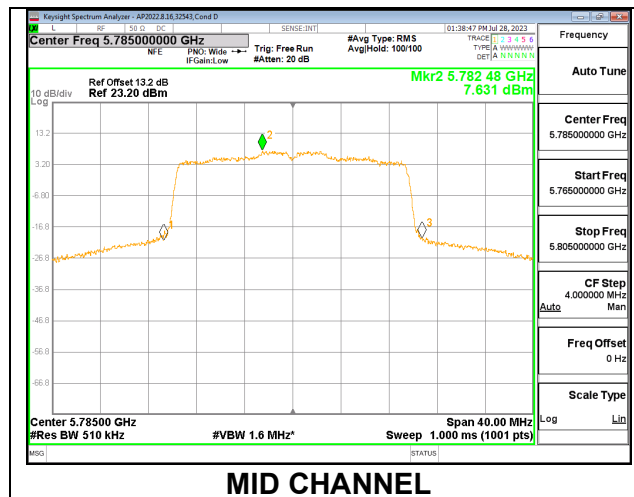
|                           |      |   |
|---------------------------|------|---|
| <b>Duty Cycle CF (dB)</b> | 0.00 | <b>Included in Calculations of Corr'd PSD</b> |
|---------------------------|------|---|

**Output Power Results**

| Channel | Frequency (MHz) | Antenna 6 Meas Power (dBm) | Total Corr'd Power (dBm) | Power Limit (dBm) | Power Margin (dB) |
|---------|-----------------|----------------------------|--------------------------|-------------------|-------------------|
| Low     | 5745            | 20.99                      | 20.99                    | 30.00             | -9.01             |
| Mid     | 5785            | 20.97                      | 20.97                    | 30.00             | -9.03             |
| High    | 5825            | 20.96                      | 20.96                    | 30.00             | -9.04             |

**PSD Results**

| Channel | Frequency (MHz) | Antenna 6 Meas PSD (dBm/500KHz) | Total Corr'd PSD (dBm/500KHz) | PSD Limit (dBm/500KHz) | PSD Margin (dB) |
|---------|-----------------|---------------------------------|-------------------------------|------------------------|-----------------|
| Low     | 5745            | 7.880                           | 7.880                         | 30.00                  | -22.12          |
| Mid     | 5785            | 7.631                           | 7.631                         | 30.00                  | -22.37          |
| High    | 5825            | 7.606                           | 7.606                         | 30.00                  | -22.39          |



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

|                       |            |
|-----------------------|------------|
| <b>Test Engineer:</b> | 32543      |
| <b>Test Date:</b>     | 07/28/2023 |

**Antenna Gain and Limit**

| Channel | Frequency (MHz) | Directional Gain (dBi) | Power Limit (dBm) | PSD Limit (dBm/500KHz) |
|---------|-----------------|------------------------|-------------------|------------------------|
| Low     | 5745            | -1.9                   | 30.00             | 30.00                  |
| Mid     | 5785            | -1.9                   | 30.00             | 30.00                  |
| High    | 5825            | -1.9                   | 30.00             | 30.00                  |

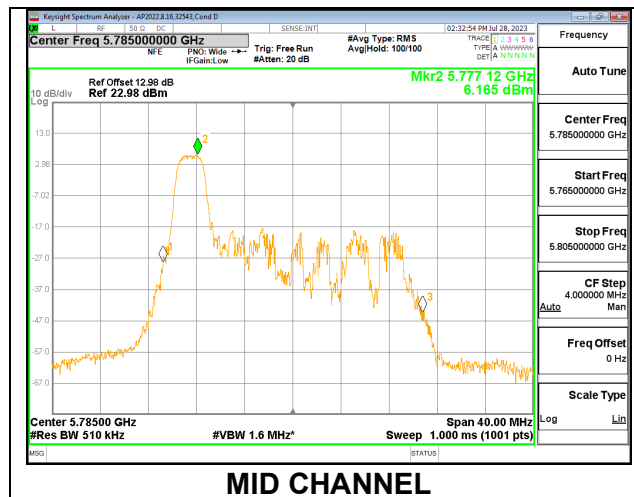
|                           |      |   |
|---------------------------|------|---|
| <b>Duty Cycle CF (dB)</b> | 0.00 | <b>Included in Calculations of Corr'd PSD</b> |
|---------------------------|------|---|

**Output Power Results**

| Channel | Frequency (MHz) | Antenna 5 Meas Power (dBm) | Total Corr'd Power (dBm) | Power Limit (dBm) | Power Margin (dB) |
|---------|-----------------|----------------------------|--------------------------|-------------------|-------------------|
| Low     | 5745            | 11.45                      | 11.45                    | 30.00             | -18.55            |
| Mid     | 5785            | 11.49                      | 11.49                    | 30.00             | -18.51            |
| High    | 5825            | 11.48                      | 11.48                    | 30.00             | -18.52            |

**PSD Results**

| Channel | Frequency (MHz) | Antenna 5 Meas PSD (dBm/500KHz) | Total Corr'd PSD (dBm/500KHz) | PSD Limit (dBm/500KHz) | PSD Margin (dB) |
|---------|-----------------|---------------------------------|-------------------------------|------------------------|-----------------|
| Low     | 5745            | 6.210                           | 6.210                         | 30.00                  | -23.79          |
| Mid     | 5785            | 6.165                           | 6.165                         | 30.00                  | -23.84          |
| High    | 5825            | 6.436                           | 6.436                         | 30.00                  | -23.56          |



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

|                       |            |
|-----------------------|------------|
| <b>Test Engineer:</b> | 32543      |
| <b>Test Date:</b>     | 07/28/2023 |

**Antenna Gain and Limit**

| Channel | Frequency (MHz) | Directional Gain (dBi) | Power Limit (dBm) | PSD Limit (dBm/500KHz) |
|---------|-----------------|------------------------|-------------------|------------------------|
| Low     | 5745            | -1.9                   | 30.00             | 30.00                  |
| Mid     | 5785            | -1.9                   | 30.00             | 30.00                  |
| High    | 5825            | -1.9                   | 30.00             | 30.00                  |

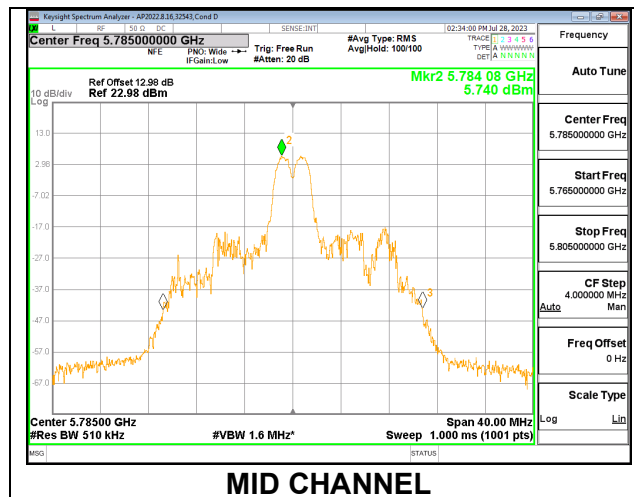
|                           |      |   |
|---------------------------|------|---|
| <b>Duty Cycle CF (dB)</b> | 0.00 | <b>Included in Calculations of Corr'd PSD</b> |
|---------------------------|------|---|

**Output Power Results**

| Channel | Frequency (MHz) | Antenna 5 Meas Power (dBm) | Total Corr'd Power (dBm) | Power Limit (dBm) | Power Margin (dB) |
|---------|-----------------|----------------------------|--------------------------|-------------------|-------------------|
| Low     | 5745            | 11.49                      | 11.49                    | 30.00             | -18.51            |
| Mid     | 5785            | 11.47                      | 11.47                    | 30.00             | -18.53            |
| High    | 5825            | 11.46                      | 11.46                    | 30.00             | -18.54            |

**PSD Results**

| Channel | Frequency (MHz) | Antenna 5 Meas PSD (dBm/500KHz) | Total Corr'd PSD (dBm/500KHz) | PSD Limit (dBm/500KHz) | PSD Margin (dB) |
|---------|-----------------|---------------------------------|-------------------------------|------------------------|-----------------|
| Low     | 5745            | 5.816                           | 5.816                         | 30.00                  | -24.18          |
| Mid     | 5785            | 5.740                           | 5.740                         | 30.00                  | -24.26          |
| High    | 5825            | 5.824                           | 5.824                         | 30.00                  | -24.18          |



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

|                       |            |
|-----------------------|------------|
| <b>Test Engineer:</b> | 32546      |
| <b>Test Date:</b>     | 07/28/2023 |

**Antenna Gain and Limit**

| Channel | Frequency (MHz) | Directional Gain (dBi) | Power Limit (dBm) | PSD Limit (dBm/500KHz) |
|---------|-----------------|------------------------|-------------------|------------------------|
| Low     | 5745            | -1.9                   | 30.00             | 30.00                  |
| Mid     | 5785            | -1.9                   | 30.00             | 30.00                  |
| High    | 5825            | -1.9                   | 30.00             | 30.00                  |

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

**Output Power Results**

| Channel | Frequency (MHz) | Antenna 5 Meas Power (dBm) | Total Corr'd Power (dBm) | Power Limit (dBm) | Power Margin (dB) |
|---------|-----------------|----------------------------|--------------------------|-------------------|-------------------|
| Low     | 5745            | 11.48                      | 11.48                    | 30.00             | -18.52            |
| Mid     | 5785            | 11.49                      | 11.49                    | 30.00             | -18.51            |
| High    | 5825            | 11.46                      | 11.46                    | 30.00             | -18.54            |

**PSD Results**

| Channel | Frequency (MHz) | Antenna 5 Meas PSD (dBm/500KHz) | Total Corr'd PSD (dBm/500KHz) | PSD Limit (dBm/500KHz) | PSD Margin (dB) |
|---------|-----------------|---------------------------------|-------------------------------|------------------------|-----------------|
| Low     | 5745            | 6.278                           | 6.278                         | 30.00                  | -23.72          |
| Mid     | 5785            | 6.054                           | 6.054                         | 30.00                  | -23.95          |
| High    | 5825            | 5.986                           | 5.986                         | 30.00                  | -24.01          |



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

|                       |            |
|-----------------------|------------|
| <b>Test Engineer:</b> | 32543      |
| <b>Test Date:</b>     | 07/28/2023 |

**Antenna Gain and Limit**

| Channel | Frequency (MHz) | Directional Gain (dBi) | Power Limit (dBm) | PSD Limit (dBm/500KHz) |
|---------|-----------------|------------------------|-------------------|------------------------|
| Low     | 5745            | -1.9                   | 30.00             | 30.00                  |
| Mid     | 5785            | -1.9                   | 30.00             | 30.00                  |
| High    | 5825            | -1.9                   | 30.00             | 30.00                  |

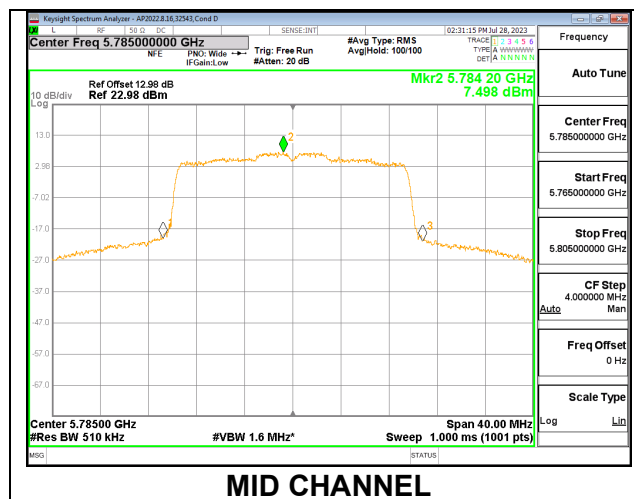
|                           |      |   |
|---------------------------|------|---|
| <b>Duty Cycle CF (dB)</b> | 0.00 | <b>Included in Calculations of Corr'd PSD</b> |
|---------------------------|------|---|

**Output Power Results**

| Channel | Frequency (MHz) | Antenna 5 Meas Power (dBm) | Total Corr'd Power (dBm) | Power Limit (dBm) | Power Margin (dB) |
|---------|-----------------|----------------------------|--------------------------|-------------------|-------------------|
| Low     | 5745            | 20.98                      | 20.98                    | 30.00             | -9.02             |
| Mid     | 5785            | 20.96                      | 20.96                    | 30.00             | -9.04             |
| High    | 5825            | 20.97                      | 20.97                    | 30.00             | -9.03             |

**PSD Results**

| Channel | Frequency (MHz) | Antenna 5 Meas PSD (dBm/500KHz) | Total Corr'd PSD (dBm/500KHz) | PSD Limit (dBm/500KHz) | PSD Margin (dB) |
|---------|-----------------|---------------------------------|-------------------------------|------------------------|-----------------|
| Low     | 5745            | 7.865                           | 7.865                         | 30.00                  | -22.14          |
| Mid     | 5785            | 7.498                           | 7.498                         | 30.00                  | -22.50          |
| High    | 5825            | 7.821                           | 7.821                         | 30.00                  | -22.18          |



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

|                |            |
|----------------|------------|
| Test Engineer: | 32543      |
| Test Date:     | 07/28/2023 |

**Antenna Gain and Limit**

| Channel | Frequency (MHz) | Directional Gain For Power (dBi) | Directional Gain For PSD (dBi) | Power Limit (dBm) | PSD Limit (dBm/500KHz) |
|---------|-----------------|----------------------------------|--------------------------------|-------------------|------------------------|
| Low     | 5745            | -2.63                            | 0.35                           | 30.00             | 30.00                  |
| Mid     | 5785            | -2.63                            | 0.35                           | 30.00             | 30.00                  |
| High    | 5825            | -2.63                            | 0.35                           | 30.00             | 30.00                  |

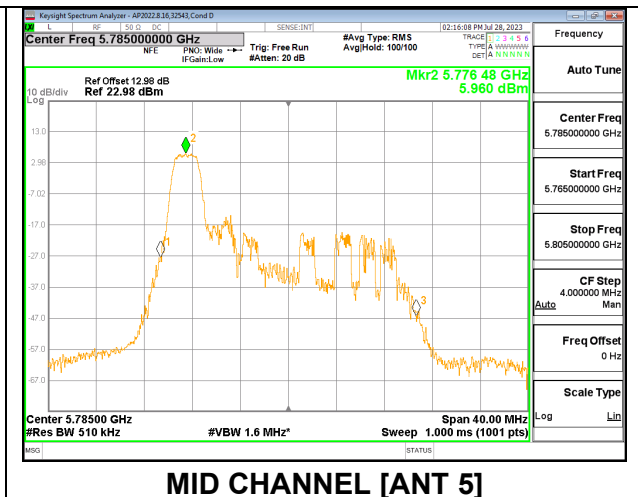
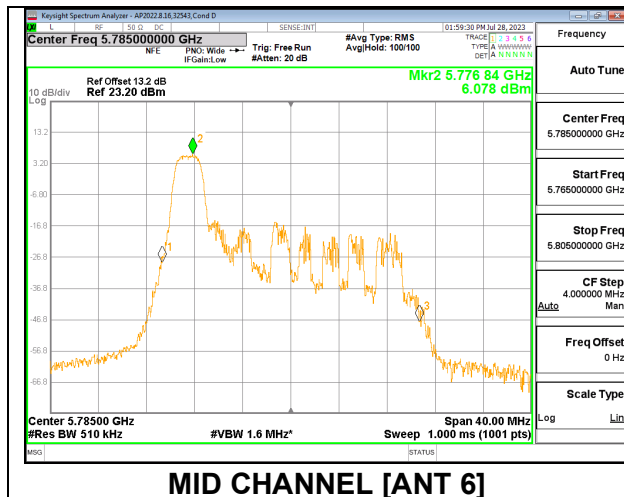
|                    |      |  |
|--------------------|------|--|
| Duty Cycle CF (dB) | 0.00 | Included in Calculations of Corr'd PSD |
|--------------------|------|--|

**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     | 5745            | 11.48                      | 11.47                      | 14.49                    | 30.00             | -15.51            |
| Mid     | 5785            | 11.49                      | 11.45                      | 14.48                    | 30.00             | -15.52            |
| High    | 5825            | 11.47                      | 11.48                      | 14.49                    | 30.00             | -15.51            |

**PSD Results**

| Channel | Frequency (MHz) | Antenna 6 Meas PSD (dBm/500KHz) | Antenna 5 Meas PSD (dBm/500KHz) | Total Corr'd PSD (dBm/500KHz) | PSD Limit (dBm/500KHz) | PSD Margin (dB) |
|---------|-----------------|---------------------------------|---------------------------------|-------------------------------|------------------------|-----------------|
| Low     | 5745            | 6.590                           | 6.702                           | 9.657                         | 30.00                  | -20.343         |
| Mid     | 5785            | 6.078                           | 5.960                           | 9.030                         | 30.00                  | -20.970         |
| High    | 5825            | 6.138                           | 6.041                           | 9.100                         | 30.00                  | -20.900         |



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

|                       |            |
|-----------------------|------------|
| <b>Test Engineer:</b> | 32543      |
| <b>Test Date:</b>     | 07/28/2023 |

| Channel | Frequency (MHz) | Directional Gain For Power (dBi) | Directional Gain For PSD (dBi) | Power Limit (dBm) | PSD Limit (dBm/500KHz) |
|---------|-----------------|----------------------------------|--------------------------------|-------------------|------------------------|
| Low     | 5745            | -2.63                            | 0.35                           | 30.00             | 30.00                  |
| Mid     | 5785            | -2.63                            | 0.35                           | 30.00             | 30.00                  |
| High    | 5825            | -2.63                            | 0.35                           | 30.00             | 30.00                  |

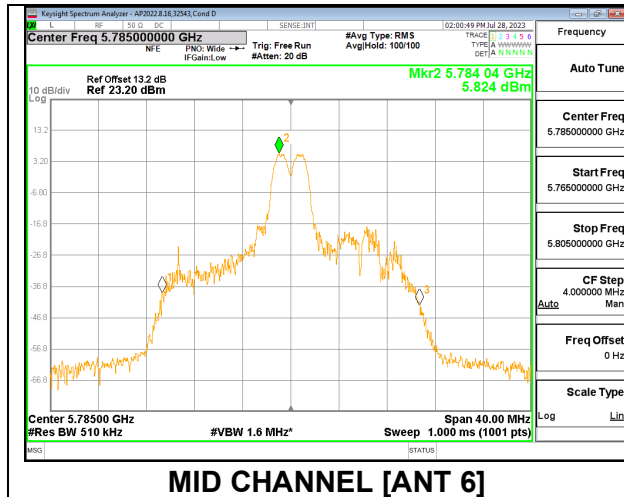
|                           |      |   |
|---------------------------|------|---|
| <b>Duty Cycle CF (dB)</b> | 0.00 | <b>Included in Calculations of Corr'd PSD</b> |
|---------------------------|------|---|

**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     | 5745            | 11.47                      | 11.49                      | 14.49                    | 30.00             | -15.51            |
| Mid     | 5785            | 11.44                      | 11.48                      | 14.47                    | 30.00             | -15.53            |
| High    | 5825            | 11.46                      | 11.49                      | 14.49                    | 30.00             | -15.51            |

**PSD Results**

| Channel | Frequency (MHz) | Antenna 6 Meas PSD (dBm/500KHz) | Antenna 5 Meas PSD (dBm/500KHz) | Total Corr'd PSD (dBm/500KHz) | PSD Limit (dBm/500KHz) | PSD Margin (dB) |
|---------|-----------------|---------------------------------|---------------------------------|-------------------------------|------------------------|-----------------|
| Low     | 5745            | 5.587                           | 6.085                           | 8.853                         | 30.00                  | -21.147         |
| Mid     | 5785            | 5.824                           | 5.876                           | 8.860                         | 30.00                  | -21.140         |
| High    | 5825            | 6.185                           | 6.172                           | 9.189                         | 30.00                  | -20.811         |



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

|                |            |
|----------------|------------|
| Test Engineer: | 32543      |
| Test Date:     | 07/28/2023 |

**Antenna Gain and Limit**

| Channel | Frequency (MHz) | Directional Gain For Power (dBi) | Directional Gain For PSD (dBi) | Power Limit (dBm) | PSD Limit (dBm/500KHz) |
|---------|-----------------|----------------------------------|--------------------------------|-------------------|------------------------|
| Low     | 5745            | -2.63                            | 0.35                           | 30.00             | 30.00                  |
| Mid     | 5785            | -2.63                            | 0.35                           | 30.00             | 30.00                  |
| High    | 5825            | -2.63                            | 0.35                           | 30.00             | 30.00                  |

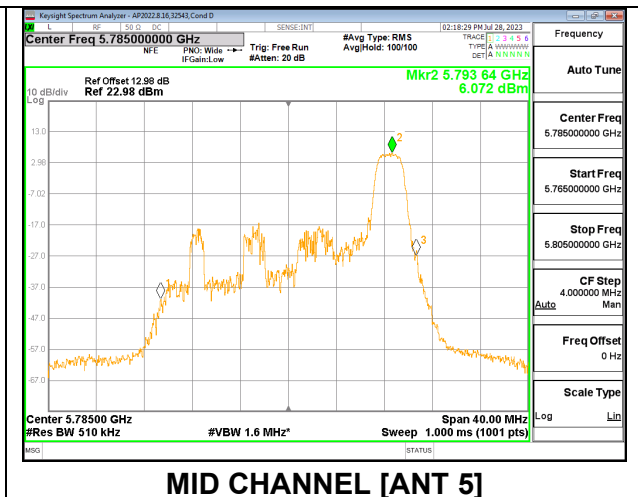
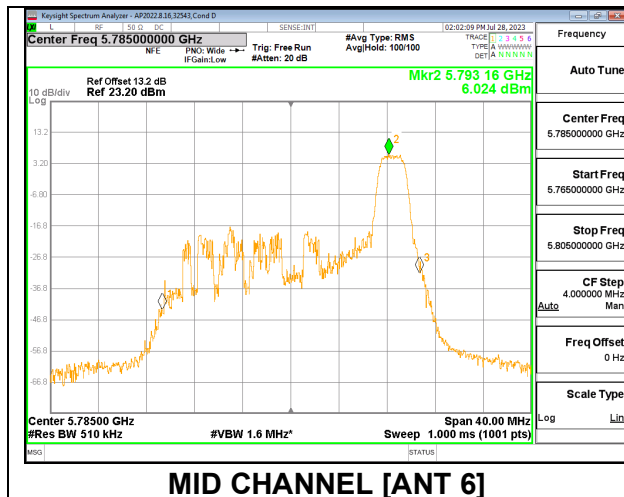
|                    |      |  |
|--------------------|------|--|
| Duty Cycle CF (dB) | 0.00 | Included in Calculations of Corr'd PSD |
|--------------------|------|--|

**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     | 5745            | 11.47                      | 11.49                      | 14.49                    | 30.00             | -15.51            |
| Mid     | 5785            | 11.48                      | 11.45                      | 14.48                    | 30.00             | -15.52            |
| High    | 5825            | 11.46                      | 11.49                      | 14.49                    | 30.00             | -15.51            |

**PSD Results**

| Channel | Frequency (MHz) | Antenna 6 Meas PSD (dBm/500KHz) | Antenna 5 Meas PSD (dBm/500KHz) | Total Corr'd PSD (dBm/500KHz) | PSD Limit (dBm/500KHz) | PSD Margin (dB) |
|---------|-----------------|---------------------------------|---------------------------------|-------------------------------|------------------------|-----------------|
| Low     | 5745            | 6.207                           | 6.366                           | 9.298                         | 30.00                  | -20.702         |
| Mid     | 5785            | 6.024                           | 6.072                           | 9.058                         | 30.00                  | -20.942         |
| High    | 5825            | 5.800                           | 6.154                           | 8.991                         | 30.00                  | -21.009         |





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

|                       |            |
|-----------------------|------------|
| <b>Test Engineer:</b> | 32543      |
| <b>Test Date:</b>     | 07/28/2023 |

**Antenna Gain and Limit**

| Channel | Frequency (MHz) | Directional Gain For Power (dBi) | Directional Gain For PSD (dBi) | Power Limit (dBm) | PSD Limit (dBm/500KHz) |
|---------|-----------------|----------------------------------|--------------------------------|-------------------|------------------------|
| Low     | 5745            | -2.63                            | 0.35                           | 30.00             | 30.00                  |
| Mid     | 5785            | -2.63                            | 0.35                           | 30.00             | 30.00                  |
| High    | 5825            | -2.63                            | 0.35                           | 30.00             | 30.00                  |

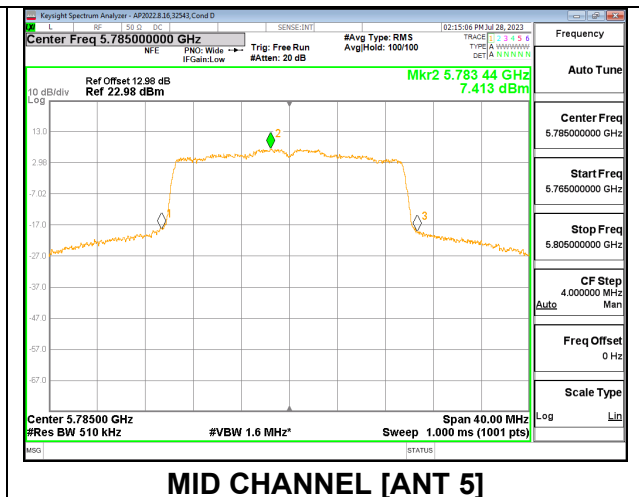
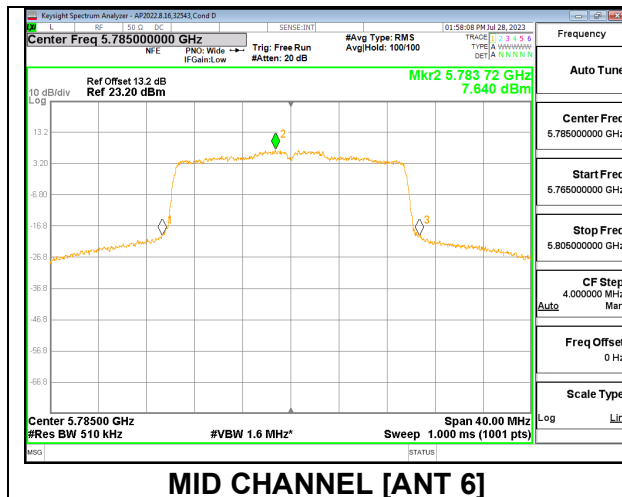
|                           |      |   |
|---------------------------|------|---|
| <b>Duty Cycle CF (dB)</b> | 0.00 | <b>Included in Calculations of Corr'd PSD</b> |
|---------------------------|------|---|

**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     | 5745            | 20.97                      | 20.95                      | 23.97                    | 30.00             | -6.03             |
| Mid     | 5785            | 20.95                      | 20.99                      | 23.98                    | 30.00             | -6.02             |
| High    | 5825            | 20.98                      | 20.96                      | 23.98                    | 30.00             | -6.02             |

**PSD Results**

| Channel | Frequency (MHz) | Antenna 6 Meas PSD (dBm/500KHz) | Antenna 5 Meas PSD (dBm/500KHz) | Total Corr'd PSD (dBm/500KHz) | PSD Limit (dBm/500KHz) | PSD Margin (dB) |
|---------|-----------------|---------------------------------|---------------------------------|-------------------------------|------------------------|-----------------|
| Low     | 5745            | 7.972                           | 7.780                           | 10.887                        | 30.00                  | -19.113         |
| Mid     | 5785            | 7.640                           | 7.413                           | 10.538                        | 30.00                  | -19.462         |
| High    | 5825            | 7.778                           | 7.688                           | 10.744                        | 30.00                  | -19.256         |



**9.4.23. 802.11ax HE40 MODE IN THE 5.8 GHz BAND**

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

|                       |            |
|-----------------------|------------|
| <b>Test Engineer:</b> | 32543      |
| <b>Test Date:</b>     | 07/28/2023 |

**Antenna Gain and Limit**

| Channel | Frequency (MHz) | Directional Gain (dBi) | Power Limit (dBm) | PSD Limit (dBm/500KHz) |
|---------|-----------------|------------------------|-------------------|------------------------|
| Low     | 5755            | -3.5                   | 30.00             | 30.00                  |
| High    | 5795            | -3.5                   | 30.00             | 30.00                  |

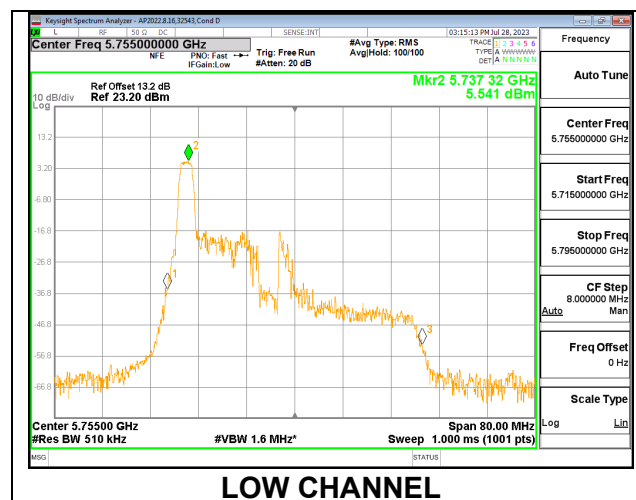
|                           |      |   |
|---------------------------|------|---|
| <b>Duty Cycle CF (dB)</b> | 0.00 | <b>Included in Calculations of Corr'd PSD</b> |
|---------------------------|------|---|

**Output Power Results**

| Channel | Frequency (MHz) | Antenna 6 Meas Power (dBm) | Total Corr'd Power (dBm) | Power Limit (dBm) | Power Margin (dB) |
|---------|-----------------|----------------------------|--------------------------|-------------------|-------------------|
| Low     | 5755            | 10.49                      | 10.49                    | 30.00             | -19.51            |
| High    | 5795            | 10.47                      | 10.47                    | 30.00             | -19.53            |

**PSD Results**

| Channel | Frequency (MHz) | Antenna 6 Meas PSD (dBm/500KHz) | Total Corr'd PSD (dBm/500KHz) | PSD Limit (dBm/500KHz) | PSD Margin (dB) |
|---------|-----------------|---------------------------------|-------------------------------|------------------------|-----------------|
| Low     | 5755            | 5.541                           | 5.541                         | 30.00                  | -24.46          |
| High    | 5795            | 5.343                           | 5.343                         | 30.00                  | -24.66          |



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

|                       |            |
|-----------------------|------------|
| <b>Test Engineer:</b> | 32543      |
| <b>Test Date:</b>     | 07/28/2023 |

**Antenna Gain and Limit**

| Channel | Frequency (MHz) | Directional Gain (dBi) | Power Limit (dBm) | PSD Limit (dBm/500KHz) |
|---------|-----------------|------------------------|-------------------|------------------------|
| Low     | 5755            | -3.5                   | 30.00             | 30.00                  |
| High    | 5795            | -3.5                   | 30.00             | 30.00                  |

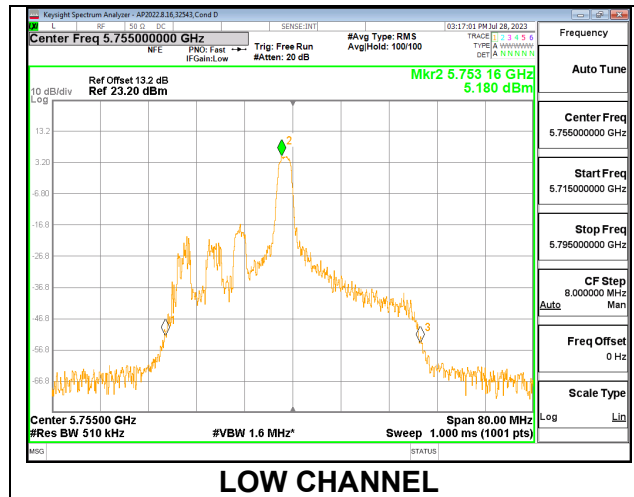
|                           |      |   |
|---------------------------|------|---|
| <b>Duty Cycle CF (dB)</b> | 0.00 | <b>Included in Calculations of Corr'd PSD</b> |
|---------------------------|------|---|

**Output Power Results**

| Channel | Frequency (MHz) | Antenna 6 Meas Power (dBm) | Total Corr'd Power (dBm) | Power Limit (dBm) | Power Margin (dB) |
|---------|-----------------|----------------------------|--------------------------|-------------------|-------------------|
| Low     | 5755            | 10.49                      | 10.49                    | 30.00             | -19.51            |
| High    | 5795            | 10.47                      | 10.47                    | 30.00             | -19.53            |

**PSD Results**

| Channel | Frequency (MHz) | Antenna 6 Meas PSD (dBm/500KHz) | Total Corr'd PSD (dBm/500KHz) | PSD Limit (dBm/500KHz) | PSD Margin (dB) |
|---------|-----------------|---------------------------------|-------------------------------|------------------------|-----------------|
| Low     | 5755            | 5.180                           | 5.180                         | 30.00                  | -24.82          |
| High    | 5795            | 5.143                           | 5.143                         | 30.00                  | -24.86          |



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

|                       |            |
|-----------------------|------------|
| <b>Test Engineer:</b> | 32543      |
| <b>Test Date:</b>     | 04/28/2023 |

**Antenna Gain and Limit**

| Channel | Frequency (MHz) | Directional Gain (dBi) | Power Limit (dBm) | PSD Limit (dBm/500KHz) |
|---------|-----------------|------------------------|-------------------|------------------------|
| Low     | 5755            | -3.5                   | 30.00             | 30.00                  |
| High    | 5795            | -3.5                   | 30.00             | 30.00                  |

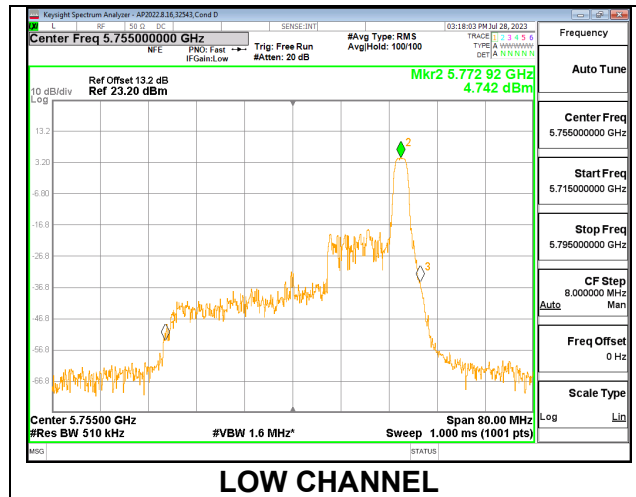
|                           |      |   |
|---------------------------|------|---|
| <b>Duty Cycle CF (dB)</b> | 0.00 | <b>Included in Calculations of Corr'd PSD</b> |
|---------------------------|------|---|

**Output Power Results**

| Channel | Frequency (MHz) | Antenna 6 Meas Power (dBm) | Total Corr'd Power (dBm) | Power Limit (dBm) | Power Margin (dB) |
|---------|-----------------|----------------------------|--------------------------|-------------------|-------------------|
| Low     | 5755            | 10.47                      | 10.47                    | 30.00             | -19.53            |
| High    | 5795            | 10.45                      | 10.45                    | 30.00             | -19.55            |

**PSD Results**

| Channel | Frequency (MHz) | Antenna 6 Meas PSD (dBm/500KHz) | Total Corr'd PSD (dBm/500KHz) | PSD Limit (dBm/500KHz) | PSD Margin (dB) |
|---------|-----------------|---------------------------------|-------------------------------|------------------------|-----------------|
| Low     | 5755            | 4.742                           | 4.742                         | 30.00                  | -25.26          |
| High    | 5795            | 4.926                           | 4.926                         | 30.00                  | -25.07          |



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

|                       |            |
|-----------------------|------------|
| <b>Test Engineer:</b> | 32543      |
| <b>Test Date:</b>     | 07/28/2023 |

**Antenna Gain and Limit**

| Channel | Frequency (MHz) | Directional Gain (dBi) | Power Limit (dBm) | PSD Limit (dBm/500KHz) |
|---------|-----------------|------------------------|-------------------|------------------------|
| Low     | 5755            | -3.5                   | 30.00             | 30.00                  |
| High    | 5795            | -3.5                   | 30.00             | 30.00                  |

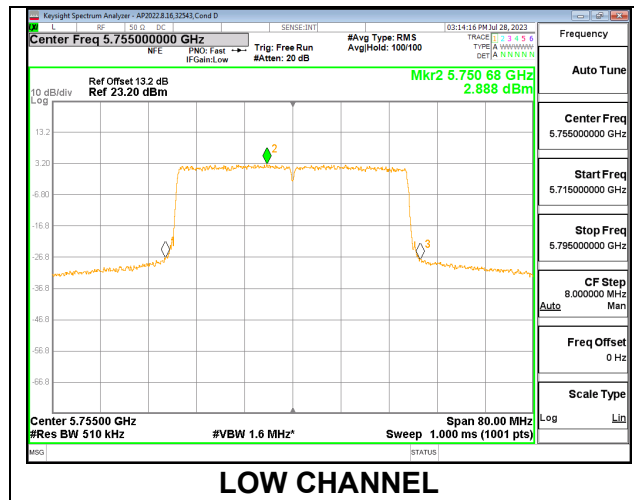
|                           |      |   |
|---------------------------|------|---|
| <b>Duty Cycle CF (dB)</b> | 0.13 | <b>Included in Calculations of Corr'd PSD</b> |
|---------------------------|------|---|

**Output Power Results**

| Channel | Frequency (MHz) | Antenna 6 Meas Power (dBm) | Total Corr'd Power (dBm) | Power Limit (dBm) | Power Margin (dB) |
|---------|-----------------|----------------------------|--------------------------|-------------------|-------------------|
| Low     | 5755            | 19.98                      | 19.98                    | 30.00             | -10.02            |
| High    | 5795            | 19.96                      | 19.96                    | 30.00             | -10.04            |

**PSD Results**

| Channel | Frequency (MHz) | Antenna 6 Meas PSD (dBm/500KHz) | Total Corr'd PSD (dBm/500KHz) | PSD Limit (dBm/500KHz) | PSD Margin (dB) |
|---------|-----------------|---------------------------------|-------------------------------|------------------------|-----------------|
| Low     | 5755            | 2.888                           | 3.018                         | 30.00                  | -26.98          |
| High    | 5795            | 2.529                           | 2.659                         | 30.00                  | -27.34          |



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

|                       |            |
|-----------------------|------------|
| <b>Test Engineer:</b> | 32543      |
| <b>Test Date:</b>     | 07/28/2023 |

**Antenna Gain and Limit**

| Channel | Frequency (MHz) | Directional Gain (dBi) | Power Limit (dBm) | PSD Limit (dBm/500KHz) |
|---------|-----------------|------------------------|-------------------|------------------------|
| Low     | 5755            | -1.9                   | 30.00             | 30.00                  |
| High    | 5795            | -1.9                   | 30.00             | 30.00                  |

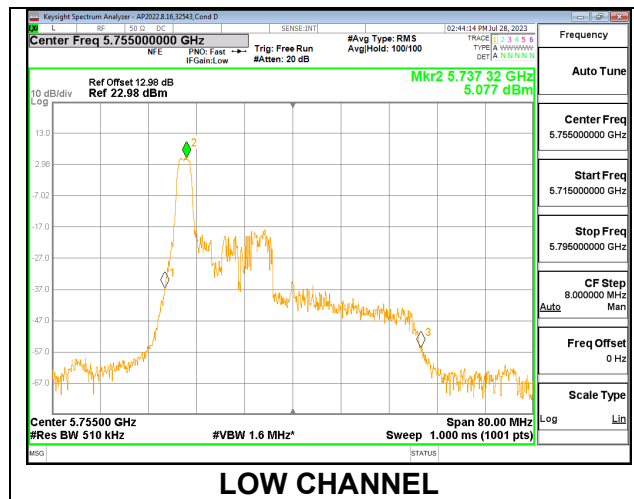
|                           |      |   |
|---------------------------|------|---|
| <b>Duty Cycle CF (dB)</b> | 0.00 | <b>Included in Calculations of Corr'd PSD</b> |
|---------------------------|------|---|

**Output Power Results**

| Channel | Frequency (MHz) | Antenna 5 Meas Power (dBm) | Total Corr'd Power (dBm) | Power Limit (dBm) | Power Margin (dB) |
|---------|-----------------|----------------------------|--------------------------|-------------------|-------------------|
| Low     | 5755            | 10.48                      | 10.48                    | 30.00             | -19.52            |
| High    | 5795            | 10.45                      | 10.45                    | 30.00             | -19.55            |

**PSD Results**

| Channel | Frequency (MHz) | Antenna 5 Meas PSD (dBm/500KHz) | Total Corr'd PSD (dBm/500KHz) | PSD Limit (dBm/500KHz) | PSD Margin (dB) |
|---------|-----------------|---------------------------------|-------------------------------|------------------------|-----------------|
| Low     | 5755            | 5.077                           | 5.077                         | 30.00                  | -24.92          |
| High    | 5795            | 5.542                           | 5.542                         | 30.00                  | -24.46          |



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

|                       |            |
|-----------------------|------------|
| <b>Test Engineer:</b> | 32543      |
| <b>Test Date:</b>     | 07/28/2023 |

**Antenna Gain and Limit**

| Channel | Frequency (MHz) | Directional Gain (dBi) | Power Limit (dBm) | PSD Limit (dBm/500KHz) |
|---------|-----------------|------------------------|-------------------|------------------------|
| Low     | 5755            | -1.9                   | 30.00             | 30.00                  |
| High    | 5795            | -1.9                   | 30.00             | 30.00                  |

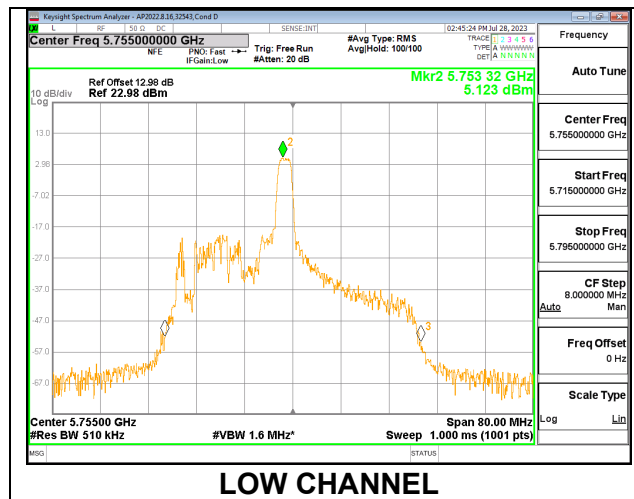
|                           |      |   |
|---------------------------|------|---|
| <b>Duty Cycle CF (dB)</b> | 0.00 | <b>Included in Calculations of Corr'd PSD</b> |
|---------------------------|------|---|

**Output Power Results**

| Channel | Frequency (MHz) | Antenna 5 Meas Power (dBm) | Total Corr'd Power (dBm) | Power Limit (dBm) | Power Margin (dB) |
|---------|-----------------|----------------------------|--------------------------|-------------------|-------------------|
| Low     | 5755            | 10.47                      | 10.47                    | 30.00             | -19.53            |
| High    | 5795            | 10.48                      | 10.48                    | 30.00             | -19.52            |

**PSD Results**

| Channel | Frequency (MHz) | Antenna 5 Meas PSD (dBm/500KHz) | Total Corr'd PSD (dBm/500KHz) | PSD Limit (dBm/500KHz) | PSD Margin (dB) |
|---------|-----------------|---------------------------------|-------------------------------|------------------------|-----------------|
| Low     | 5755            | 5.123                           | 5.123                         | 30.00                  | -24.88          |
| High    | 5795            | 5.27                            | 5.270                         | 30.00                  | -24.73          |



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

|                       |         |
|-----------------------|---------|
| <b>Test Engineer:</b> | 32543   |
| <b>Test Date:</b>     | 7/28/23 |

**Antenna Gain and Limit**

| Channel | Frequency (MHz) | Directional Gain (dBi) | Power Limit (dBm) | PSD Limit (dBm/500KHz) |
|---------|-----------------|------------------------|-------------------|------------------------|
| Low     | 5755            | -1.9                   | 30.00             | 30.00                  |
| High    | 5795            | -1.9                   | 30.00             | 30.00                  |

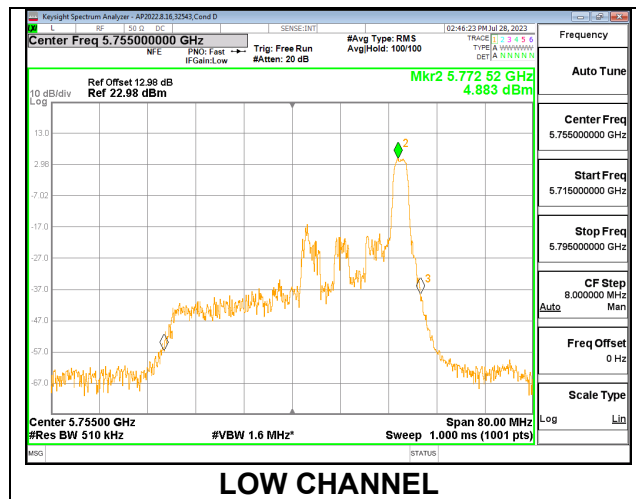
|                           |      |   |
|---------------------------|------|---|
| <b>Duty Cycle CF (dB)</b> | 0.00 | <b>Included in Calculations of Corr'd PSD</b> |
|---------------------------|------|---|

**Output Power Results**

| Channel | Frequency (MHz) | Antenna 5 Meas Power (dBm) | Total Corr'd Power (dBm) | Power Limit (dBm) | Power Margin (dB) |
|---------|-----------------|----------------------------|--------------------------|-------------------|-------------------|
| Low     | 5755            | 10.47                      | 10.47                    | 30.00             | -19.53            |
| High    | 5795            | 10.48                      | 10.48                    | 30.00             | -19.52            |

**PSD Results**

| Channel | Frequency (MHz) | Antenna 5 Meas PSD (dBm/500KHz) | Total Corr'd PSD (dBm/500KHz) | PSD Limit (dBm/500KHz) | PSD Margin (dB) |
|---------|-----------------|---------------------------------|-------------------------------|------------------------|-----------------|
| Low     | 5755            | 4.883                           | 4.883                         | 30.00                  | -25.12          |
| High    | 5795            | 4.703                           | 4.703                         | 30.00                  | -25.30          |





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

|                       |         |
|-----------------------|---------|
| <b>Test Engineer:</b> | 32543   |
| <b>Test Date:</b>     | 7/28/23 |

**Antenna Gain and Limit**

| Channel | Frequency (MHz) | Directional Gain (dBi) | Power Limit (dBm) | PSD Limit (dBm/500KHz) |
|---------|-----------------|------------------------|-------------------|------------------------|
| Low     | 5755            | -1.9                   | 30.00             | 30.00                  |
| High    | 5795            | -1.9                   | 30.00             | 30.00                  |

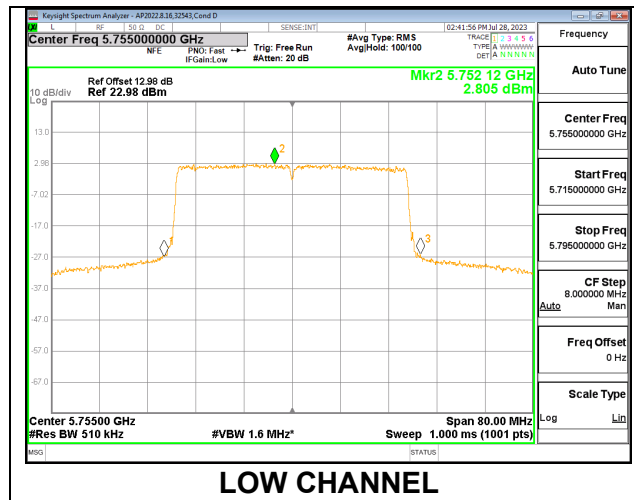
|                           |      |   |
|---------------------------|------|---|
| <b>Duty Cycle CF (dB)</b> | 0.13 | <b>Included in Calculations of Corr'd PSD</b> |
|---------------------------|------|---|

**Output Power Results**

| Channel | Frequency (MHz) | Antenna 5 Meas Power (dBm) | Total Corr'd Power (dBm) | Power Limit (dBm) | Power Margin (dB) |
|---------|-----------------|----------------------------|--------------------------|-------------------|-------------------|
| Low     | 5755            | 19.99                      | 19.99                    | 30.00             | -10.01            |
| High    | 5795            | 19.93                      | 19.93                    | 30.00             | -10.07            |

**PSD Results**

| Channel | Frequency (MHz) | Antenna 5 Meas PSD (dBm/500KHz) | Total Corr'd PSD (dBm/500KHz) | PSD Limit (dBm/500KHz) | PSD Margin (dB) |
|---------|-----------------|---------------------------------|-------------------------------|------------------------|-----------------|
| Low     | 5755            | 2.805                           | 2.935                         | 30.00                  | -27.07          |
| High    | 5795            | 2.633                           | 2.763                         | 30.00                  | -27.24          |



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

|                       |          |
|-----------------------|----------|
| <b>Test Engineer:</b> | 32543    |
| <b>Test Date:</b>     | 07/28/23 |

**Antenna Gain and Limit**

| Channel | Frequency (MHz) | Directional Gain For Power (dBi) | Directional Gain For PSD (dBi) | Power Limit (dBm) | PSD Limit (dBm/500KHz) |
|---------|-----------------|----------------------------------|--------------------------------|-------------------|------------------------|
| Low     | 5755            | -2.63                            | 0.35                           | 30.00             | 30.00                  |
| High    | 5795            | -2.63                            | 0.35                           | 30.00             | 30.00                  |

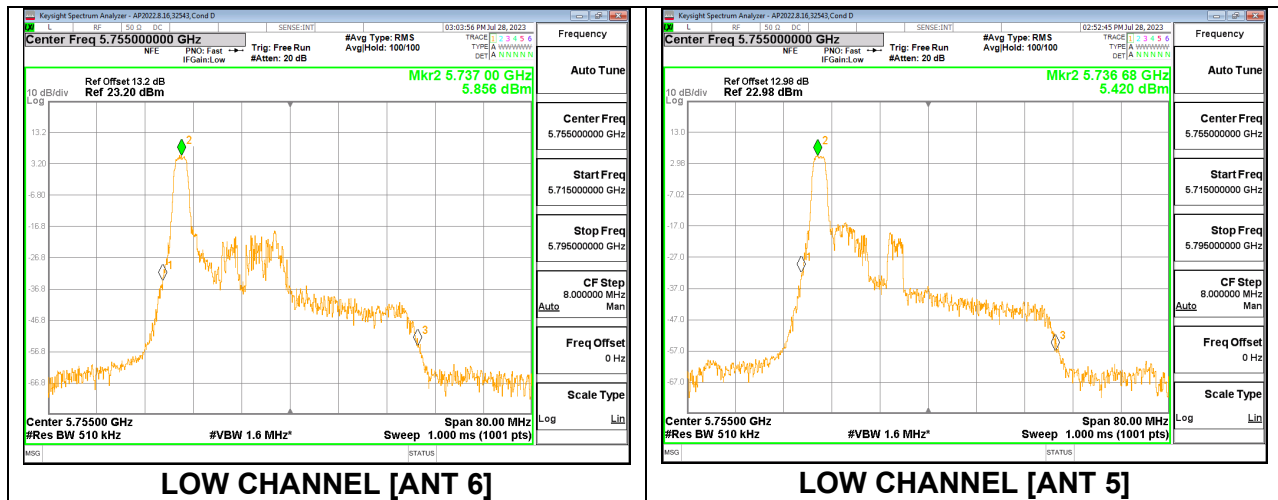
|                           |      |   |
|---------------------------|------|---|
| <b>Duty Cycle CF (dB)</b> | 0.00 | <b>Included in Calculations of Corr'd PSD</b> |
|---------------------------|------|---|

**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     | 5755            | 10.48                      | 10.37                      | 13.44                    | 30.00             | -16.56            |
| High    | 5795            | 10.45                      | 10.46                      | 13.47                    | 30.00             | -16.53            |

**PSD Results**

| Channel | Frequency (MHz) | Antenna 6 Meas PSD (dBm/500KHz) | Antenna 5 Meas PSD (dBm/500KHz) | Total Corr'd PSD (dBm/500KHz) | PSD Limit (dBm/500KHz) | PSD Margin (dB) |
|---------|-----------------|---------------------------------|---------------------------------|-------------------------------|------------------------|-----------------|
| Low     | 5755            | 5.856                           | 5.420                           | 8.654                         | 30.00                  | -21.346         |
| High    | 5795            | 5.543                           | 5.341                           | 8.453                         | 30.00                  | -21.547         |



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

|                       |          |
|-----------------------|----------|
| <b>Test Engineer:</b> | 32543    |
| <b>Test Date:</b>     | 07/28/23 |

**Antenna Gain and Limit**

| Channel | Frequency (MHz) | Directional Gain For Power (dBi) | Directional Gain For PSD (dBi) | Power Limit (dBm) | PSD Limit (dBm/500KHz) |
|---------|-----------------|----------------------------------|--------------------------------|-------------------|------------------------|
| Low     | 5755            | -2.63                            | 0.35                           | 30.00             | 30.00                  |
| High    | 5795            | -2.63                            | 0.35                           | 30.00             | 30.00                  |

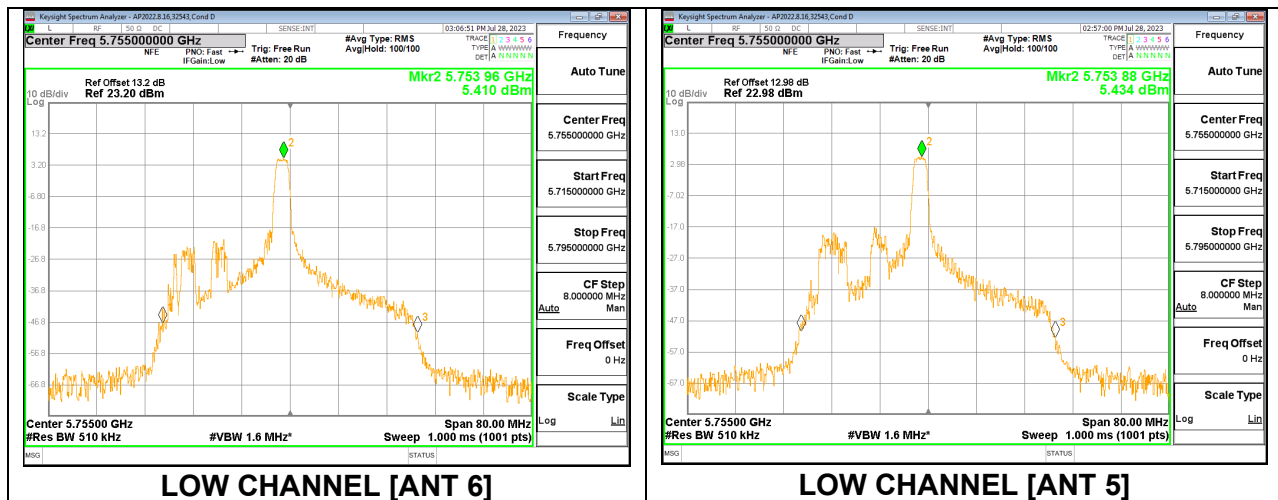
|                           |      |   |
|---------------------------|------|---|
| <b>Duty Cycle CF (dB)</b> | 0.00 | <b>Included in Calculations of Corr'd PSD</b> |
|---------------------------|------|---|

**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     | 5755            | 10.45                      | 10.46                      | 13.47                    | 30.00             | -16.53            |
| High    | 5795            | 10.44                      | 10.41                      | 13.44                    | 30.00             | -16.56            |

**PSD Results**

| Channel | Frequency (MHz) | Antenna 6 Meas PSD (dBm/500KHz) | Antenna 5 Meas PSD (dBm/500KHz) | Total Corr'd PSD (dBm/500KHz) | PSD Limit (dBm/500KHz) | PSD Margin (dB) |
|---------|-----------------|---------------------------------|---------------------------------|-------------------------------|------------------------|-----------------|
| Low     | 5755            | 5.410                           | 5.434                           | 8.432                         | 30.00                  | -21.568         |
| High    | 5795            | 5.195                           | 4.997                           | 8.107                         | 30.00                  | -21.893         |



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

|                       |          |
|-----------------------|----------|
| <b>Test Engineer:</b> | 32543    |
| <b>Test Date:</b>     | 07/28/23 |

**Antenna Gain and Limit**

| Channel | Frequency (MHz) | Directional Gain For Power (dBi) | Directional Gain For PSD (dBi) | Power Limit (dBm) | PSD Limit (dBm/500KHz) |
|---------|-----------------|----------------------------------|--------------------------------|-------------------|------------------------|
| Low     | 5755            | -2.63                            | 0.35                           | 30.00             | 30.00                  |
| High    | 5795            | -2.63                            | 0.35                           | 30.00             | 30.00                  |

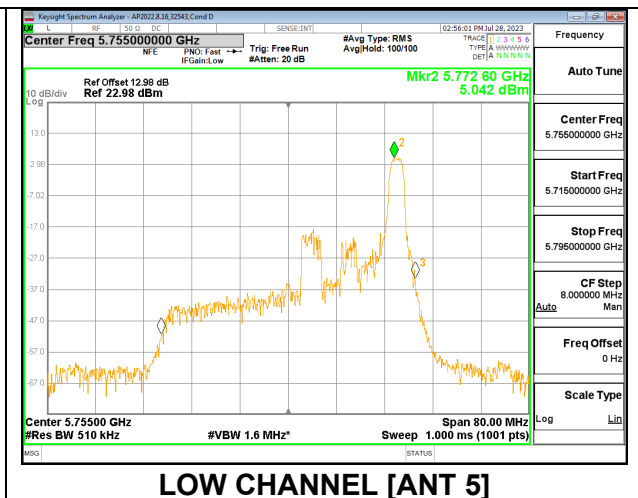
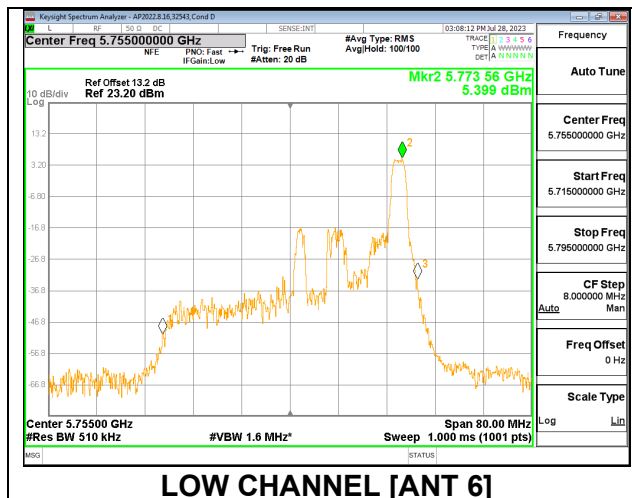
|                           |      |   |
|---------------------------|------|---|
| <b>Duty Cycle CF (dB)</b> | 0.00 | <b>Included in Calculations of Corr'd PSD</b> |
|---------------------------|------|---|

**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     | 5755            | 10.44                      | 10.46                      | 13.46                    | 30.00             | -16.54            |
| High    | 5795            | 10.44                      | 10.43                      | 13.45                    | 30.00             | -16.55            |

**PSD Results**

| Channel | Frequency (MHz) | Antenna 6 Meas PSD (dBm/500KHz) | Antenna 5 Meas PSD (dBm/500KHz) | Total Corr'd PSD (dBm/500KHz) | PSD Limit (dBm/500KHz) | PSD Margin (dB) |
|---------|-----------------|---------------------------------|---------------------------------|-------------------------------|------------------------|-----------------|
| Low     | 5755            | 5.399                           | 5.042                           | 8.234                         | 30.00                  | -21.766         |
| High    | 5795            | 4.962                           | 5.256                           | 8.122                         | 30.00                  | -21.878         |



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

|                       |         |
|-----------------------|---------|
| <b>Test Engineer:</b> | 26118   |
| <b>Test Date:</b>     | 6/11/23 |

**Antenna Gain and Limit**

| Channel | Frequency (MHz) | Directional Gain For Power (dBi) | Directional Gain For PSD (dBi) | Power Limit (dBm) | PSD Limit (dBm/500KHz) |
|---------|-----------------|----------------------------------|--------------------------------|-------------------|------------------------|
| Low     | 5755            | -2.63                            | 0.35                           | 30.00             | 30.00                  |
| High    | 5795            | -2.63                            | 0.35                           | 30.00             | 30.00                  |

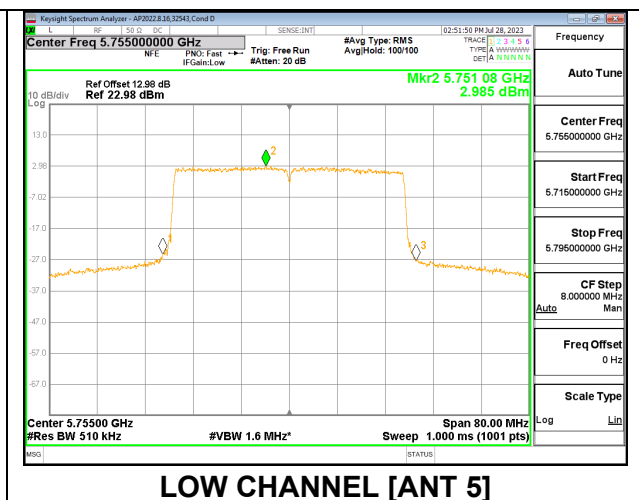
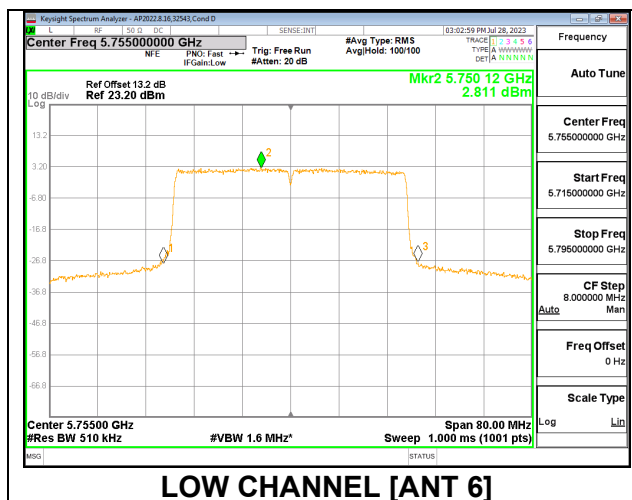
|                           |      |   |
|---------------------------|------|---|
| <b>Duty Cycle CF (dB)</b> | 0.13 | <b>Included in Calculations of Corr'd PSD</b> |
|---------------------------|------|---|

**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     | 5755            | 19.89                      | 19.8                       | 22.86                    | 30.00             | -7.14             |
| High    | 5795            | 19.87                      | 19.95                      | 22.92                    | 30.00             | -7.08             |

**PSD Results**

| Channel | Frequency (MHz) | Antenna 6 Meas PSD (dBm/500KHz) | Antenna 5 Meas PSD (dBm/500KHz) | Total Corr'd PSD (dBm/500KHz) | PSD Limit (dBm/500KHz) | PSD Margin (dB) |
|---------|-----------------|---------------------------------|---------------------------------|-------------------------------|------------------------|-----------------|
| Low     | 5755            | 2.811                           | 2.985                           | 6.039                         | 30.00                  | -23.961         |
| High    | 5795            | 2.625                           | 2.772                           | 5.839                         | 30.00                  | -24.161         |



**9.4.24. 802.11ax HE80 MODE IN THE 5.8 GHz BAND**

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

|                       |         |
|-----------------------|---------|
| <b>Test Engineer:</b> | 32543   |
| <b>Test Date:</b>     | 7/28/23 |

**Antenna Gain and Limit**

| Channel | Frequency (MHz) | Directional Gain (dBi) | Power Limit (dBm) | PSD Limit (dBm/500KHz) |
|---------|-----------------|------------------------|-------------------|------------------------|
| Mid     | 5775            | -3.5                   | 30.00             | 30.00                  |

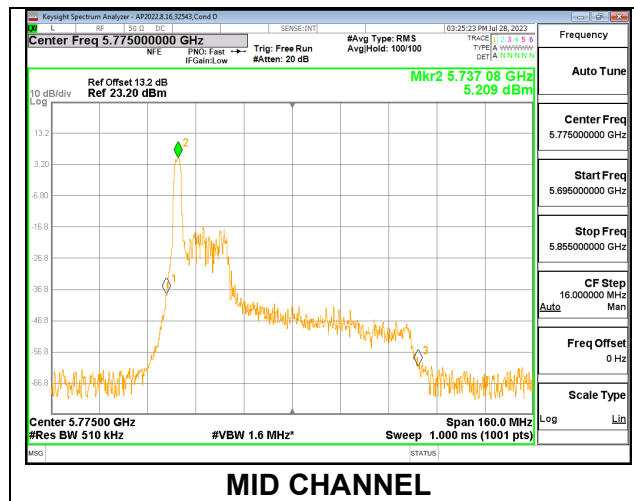
|                           |      |   |
|---------------------------|------|---|
| <b>Duty Cycle CF (dB)</b> | 0.00 | <b>Included in Calculations of Corr'd PSD</b> |
|---------------------------|------|---|

**Output Power Results**

| Channel | Frequency (MHz) | Antenna 6 Meas Power (dBm) | Total Corr'd Power (dBm) | Power Limit (dBm) | Power Margin (dB) |
|---------|-----------------|----------------------------|--------------------------|-------------------|-------------------|
| Mid     | 5775            | 10.44                      | 10.44                    | 30.00             | -19.56            |

**PSD Results**

| Channel | Frequency (MHz) | Antenna 6 Meas PSD (dBm/500KHz) | Total Corr'd PSD (dBm/500KHz) | PSD Limit (dBm/500KHz) | PSD Margin (dB) |
|---------|-----------------|---------------------------------|-------------------------------|------------------------|-----------------|
| Mid     | 5775            | 5.209                           | 5.209                         | 30.00                  | -24.79          |



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

|                       |         |
|-----------------------|---------|
| <b>Test Engineer:</b> | 32543   |
| <b>Test Date:</b>     | 7/28/23 |

**Antenna Gain and Limit**

| Channel | Frequency (MHz) | Directional Gain (dBi) | Power Limit (dBm) | PSD Limit (dBm/500KHz) |
|---------|-----------------|------------------------|-------------------|------------------------|
| Mid     | 5775            | -3.5                   | 30.00             | 30.00                  |

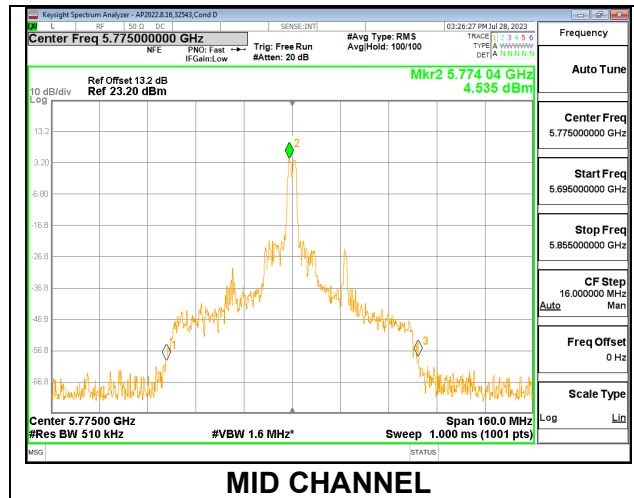
|                           |      |   |
|---------------------------|------|---|
| <b>Duty Cycle CF (dB)</b> | 0.00 | <b>Included in Calculations of Corr'd PSD</b> |
|---------------------------|------|---|

**Output Power Results**

| Channel | Frequency (MHz) | Antenna 6 Meas Power (dBm) | Total Corr'd Power (dBm) | Power Limit (dBm) | Power Margin (dB) |
|---------|-----------------|----------------------------|--------------------------|-------------------|-------------------|
| Mid     | 5775            | 10.41                      | 10.41                    | 30.00             | -19.59            |

**PSD Results**

| Channel | Frequency (MHz) | Antenna 6 Meas PSD (dBm/500KHz) | Total Corr'd PSD (dBm/500KHz) | PSD Limit (dBm/500KHz) | PSD Margin (dB) |
|---------|-----------------|---------------------------------|-------------------------------|------------------------|-----------------|
| Mid     | 5775            | 4.535                           | 4.535                         | 30.00                  | -25.47          |



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

|                       |         |
|-----------------------|---------|
| <b>Test Engineer:</b> | 32543   |
| <b>Test Date:</b>     | 7/28/23 |

**Antenna Gain and Limit**

| Channel | Frequency (MHz) | Directional Gain (dBi) | Power Limit (dBm) | PSD Limit (dBm/500KHz) |
|---------|-----------------|------------------------|-------------------|------------------------|
| Mid     | 5775            | -3.5                   | 30.00             | 30.00                  |

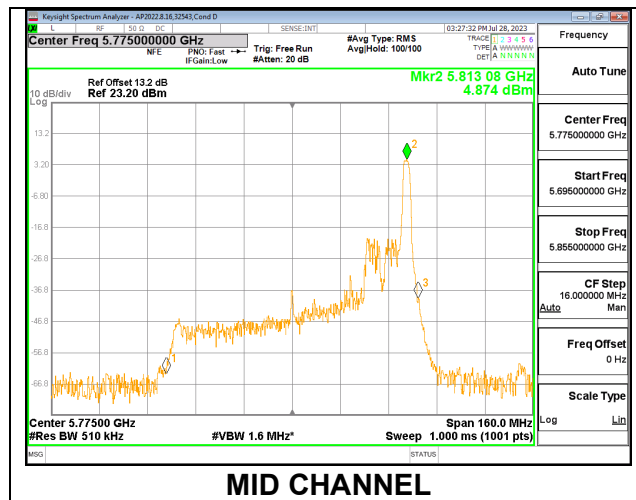
|                           |      |   |
|---------------------------|------|---|
| <b>Duty Cycle CF (dB)</b> | 0.00 | <b>Included in Calculations of Corr'd PSD</b> |
|---------------------------|------|---|

**Output Power Results**

| Channel | Frequency (MHz) | Antenna 6 Meas Power (dBm) | Total Corr'd Power (dBm) | Power Limit (dBm) | Power Margin (dB) |
|---------|-----------------|----------------------------|--------------------------|-------------------|-------------------|
| Mid     | 5775            | 10.48                      | 10.48                    | 30.00             | -19.52            |

**PSD Results**

| Channel | Frequency (MHz) | Antenna 6 Meas PSD (dBm/500KHz) | Total Corr'd PSD (dBm/500KHz) | PSD Limit (dBm/500KHz) | PSD Margin (dB) |
|---------|-----------------|---------------------------------|-------------------------------|------------------------|-----------------|
| Mid     | 5775            | 4.874                           | 4.874                         | 30.00                  | -25.13          |





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

|                       |         |
|-----------------------|---------|
| <b>Test Engineer:</b> | 32543   |
| <b>Test Date:</b>     | 7/28/23 |

**Antenna Gain and Limit**

| Channel | Frequency (MHz) | Directional Gain (dBi) | Power Limit (dBm) | PSD Limit (dBm/500KHz) |
|---------|-----------------|------------------------|-------------------|------------------------|
| Mid     | 5775            | -3.5                   | 30.00             | 30.00                  |

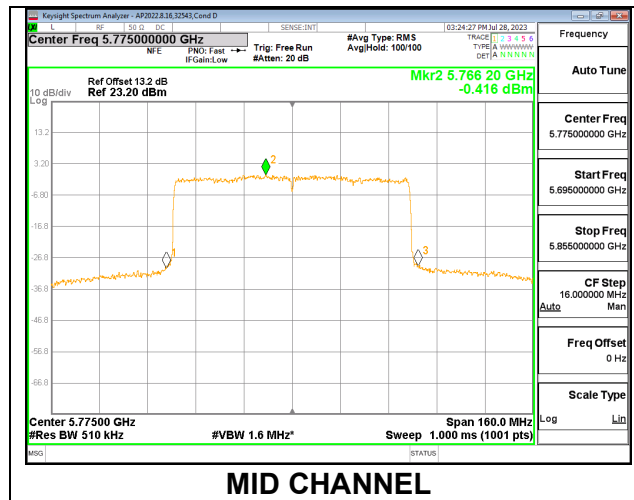
|                           |      |   |
|---------------------------|------|---|
| <b>Duty Cycle CF (dB)</b> | 0.15 | <b>Included in Calculations of Corr'd PSD</b> |
|---------------------------|------|---|

**Output Power Results**

| Channel | Frequency (MHz) | Antenna 6 Meas Power (dBm) | Total Corr'd Power (dBm) | Power Limit (dBm) | Power Margin (dB) |
|---------|-----------------|----------------------------|--------------------------|-------------------|-------------------|
| Mid     | 5775            | 19.97                      | 19.97                    | 30.00             | -10.03            |

**PSD Results**

| Channel | Frequency (MHz) | Antenna 6 Meas PSD (dBm/500KHz) | Total Corr'd PSD (dBm/500KHz) | PSD Limit (dBm/500KHz) | PSD Margin (dB) |
|---------|-----------------|---------------------------------|-------------------------------|------------------------|-----------------|
| Mid     | 5775            | -0.416                          | -0.266                        | 30.00                  | -30.27          |



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

|                       |         |
|-----------------------|---------|
| <b>Test Engineer:</b> | 32543   |
| <b>Test Date:</b>     | 7/28/23 |

**Antenna Gain and Limit**

| Channel | Frequency (MHz) | Directional Gain (dBi) | Power Limit (dBm) | PSD Limit (dBm/500KHz) |
|---------|-----------------|------------------------|-------------------|------------------------|
| Mid     | 5775            | -1.9                   | 30.00             | 30.00                  |

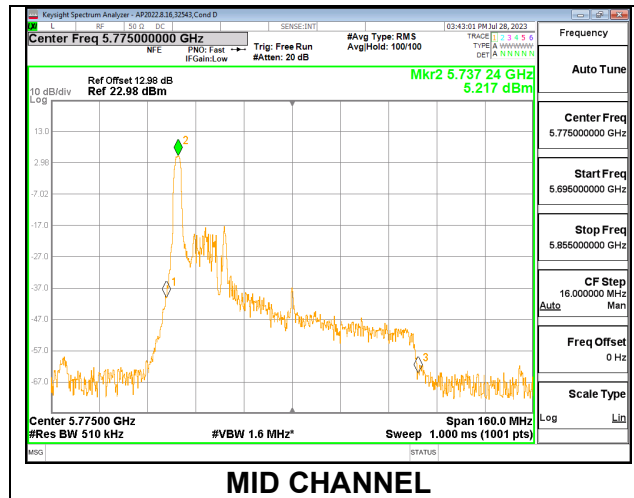
|                           |      |   |
|---------------------------|------|---|
| <b>Duty Cycle CF (dB)</b> | 0.00 | <b>Included in Calculations of Corr'd PSD</b> |
|---------------------------|------|---|

**Output Power Results**

| Channel | Frequency (MHz) | Antenna 5 Meas Power (dBm) | Total Corr'd Power (dBm) | Power Limit (dBm) | Power Margin (dB) |
|---------|-----------------|----------------------------|--------------------------|-------------------|-------------------|
| Mid     | 5775            | 10.46                      | 10.46                    | 30.00             | -19.54            |

**PSD Results**

| Channel | Frequency (MHz) | Antenna 5 Meas PSD (dBm/500KHz) | Total Corr'd PSD (dBm/500KHz) | PSD Limit (dBm/500KHz) | PSD Margin (dB) |
|---------|-----------------|---------------------------------|-------------------------------|------------------------|-----------------|
| Mid     | 5775            | 5.217                           | 5.217                         | 30.00                  | -24.78          |



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

|                       |         |
|-----------------------|---------|
| <b>Test Engineer:</b> | 32543   |
| <b>Test Date:</b>     | 7/28/23 |

**Antenna Gain and Limit**

| Channel | Frequency (MHz) | Directional Gain (dBi) | Power Limit (dBm) | PSD Limit (dBm/500KHz) |
|---------|-----------------|------------------------|-------------------|------------------------|
| Mid     | 5775            | -1.9                   | 30.00             | 30.00                  |

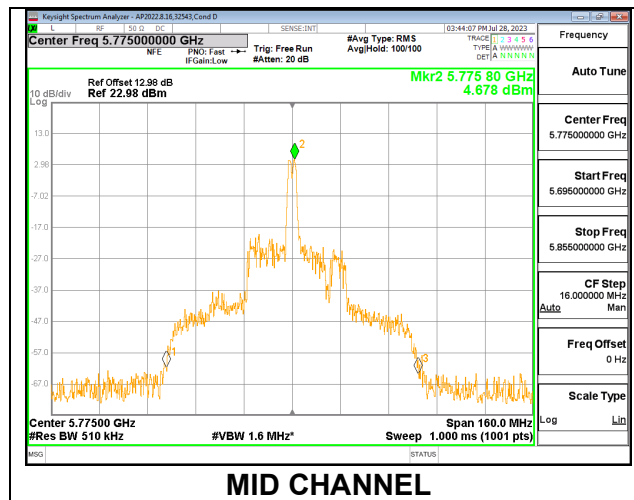
|                           |      |   |
|---------------------------|------|---|
| <b>Duty Cycle CF (dB)</b> | 0.00 | <b>Included in Calculations of Corr'd PSD</b> |
|---------------------------|------|---|

**Output Power Results**

| Channel | Frequency (MHz) | Antenna 5 Meas Power (dBm) | Total Corr'd Power (dBm) | Power Limit (dBm) | Power Margin (dB) |
|---------|-----------------|----------------------------|--------------------------|-------------------|-------------------|
| Mid     | 5775            | 10.45                      | 10.45                    | 30.00             | -19.55            |

**PSD Results**

| Channel | Frequency (MHz) | Antenna 5 Meas PSD (dBm/500KHz) | Total Corr'd PSD (dBm/500KHz) | PSD Limit (dBm/500KHz) | PSD Margin (dB) |
|---------|-----------------|---------------------------------|-------------------------------|------------------------|-----------------|
| Mid     | 5775            | 4.678                           | 4.678                         | 30.00                  | -25.32          |



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

|                       |         |
|-----------------------|---------|
| <b>Test Engineer:</b> | 32543   |
| <b>Test Date:</b>     | 7/28/23 |

| Channel | Frequency (MHz) | Directional Gain (dBi) | Power Limit (dBm) | PSD Limit (dBm/500KHz) |
|---------|-----------------|------------------------|-------------------|------------------------|
| Mid     | 5775            | -1.9                   | 30.00             | 30.00                  |

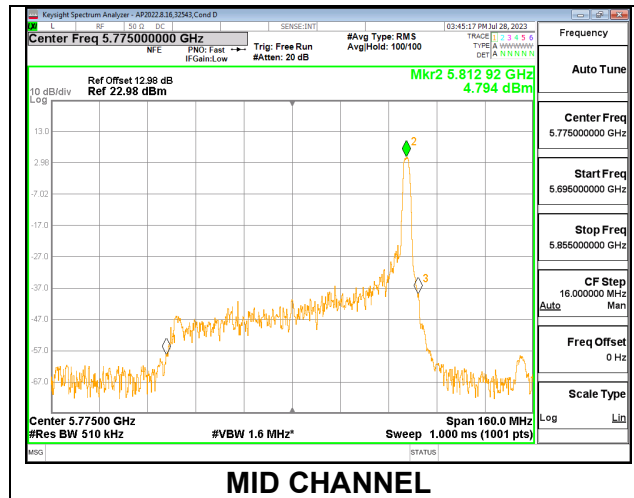
|                           |   |   |
|---------------------------|---|---|
| <b>Duty Cycle CF (dB)</b> | 0 | <b>Included in Calculations of Corr'd PSD</b> |
|---------------------------|---|---|

**Output Power Results**

| Channel | Frequency (MHz) | Antenna 5 Meas Power (dBm) | Total Corr'd Power (dBm) | Power Limit (dBm) | Power Margin (dB) |
|---------|-----------------|----------------------------|--------------------------|-------------------|-------------------|
| Mid     | 5775            | 10.45                      | 10.45                    | 30.00             | -19.55            |

**PSD Results**

| Channel | Frequency (MHz) | Antenna 5 Meas PSD (dBm/500KHz) | Total Corr'd PSD (dBm/500KHz) | PSD Limit (dBm/500KHz) | PSD Margin (dB) |
|---------|-----------------|---------------------------------|-------------------------------|------------------------|-----------------|
| Mid     | 5775            | 4.794                           | 4.794                         | 30.00                  | -25.21          |



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

|                       |         |
|-----------------------|---------|
| <b>Test Engineer:</b> | 32543   |
| <b>Test Date:</b>     | 7/28/23 |

**Antenna Gain and Limit**

| Channel | Frequency (MHz) | Directional Gain (dBi) | Power Limit (dBm) | PSD Limit (dBm/500KHz) |
|---------|-----------------|------------------------|-------------------|------------------------|
| Mid     | 5775            | -1.9                   | 30.00             | 30.00                  |

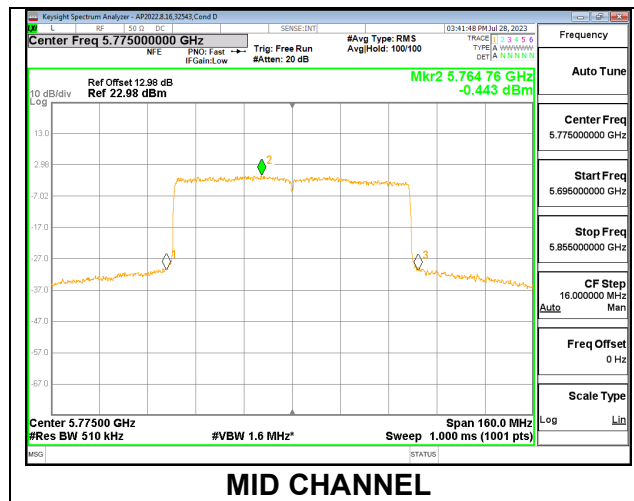
|                           |      |   |
|---------------------------|------|---|
| <b>Duty Cycle CF (dB)</b> | 0.15 | <b>Included in Calculations of Corr'd PSD</b> |
|---------------------------|------|---|

**Output Power Results**

| Channel | Frequency (MHz) | Antenna 5 Meas Power (dBm) | Total Corr'd Power (dBm) | Power Limit (dBm) | Power Margin (dB) |
|---------|-----------------|----------------------------|--------------------------|-------------------|-------------------|
| Mid     | 5775            | 19.91                      | 19.91                    | 30.00             | -10.09            |

**PSD Results**

| Channel | Frequency (MHz) | Antenna 5 Meas PSD (dBm/500KHz) | Total Corr'd PSD (dBm/500KHz) | PSD Limit (dBm/500KHz) | PSD Margin (dB) |
|---------|-----------------|---------------------------------|-------------------------------|------------------------|-----------------|
| Mid     | 5775            | -0.443                          | -0.293                        | 30.00                  | -30.29          |



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

|                       |         |
|-----------------------|---------|
| <b>Test Engineer:</b> | 23560   |
| <b>Test Date:</b>     | 6/18/23 |

**Antenna Gain and Limit**

| Channel | Frequency<br>(MHz) | Directional Gain<br>For Power<br>(dBi) | Directional Gain<br>For PSD<br>(dBi) | Power Limit<br>(dBm) | PSD Limit<br>(dBm/500KHz) |
|---------|--------------------|--|--------------------------------------|----------------------|---------------------------|
| Mid     | 5775               | -2.63                                  | 0.35                                 | 30.00                | 30.00                     |

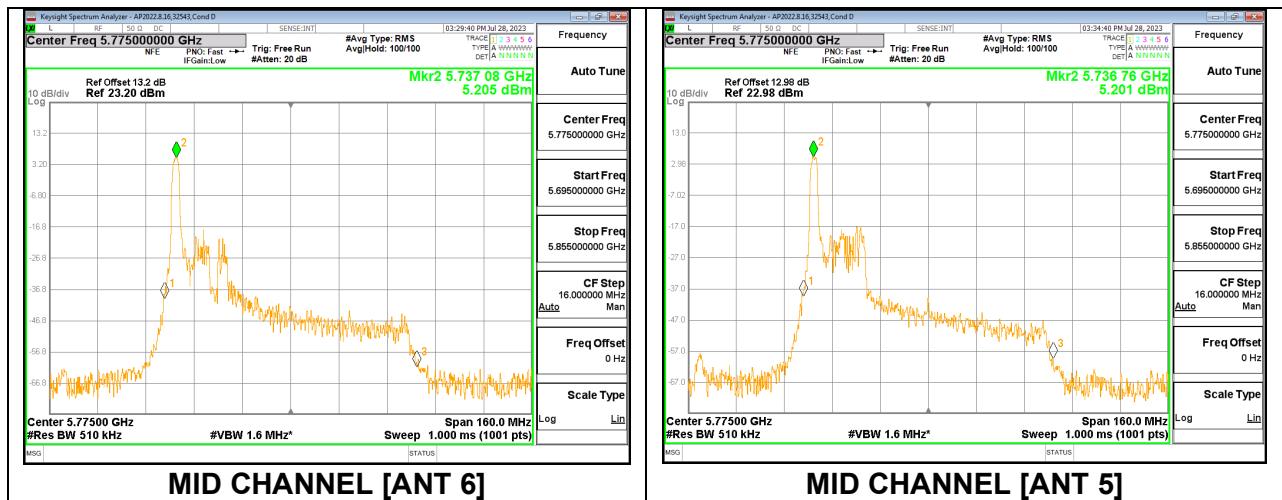
|                           |      |   |
|---------------------------|------|---|
| <b>Duty Cycle CF (dB)</b> | 0.00 | <b>Included in Calculations of Corr'd PSD</b> |
|---------------------------|------|---|

**Output Power Results**

| Channel | Frequency<br>(MHz) | Antenna 6 Meas Power<br>(dBm) | Antenna 5 Meas Power<br>(dBm) | Total Corr'd Power<br>(dBm) | Power Limit<br>(dBm) | Power Margin<br>(dB) |
|---------|--------------------|-------------------------------|-------------------------------|-----------------------------|----------------------|----------------------|
| Mid     | 5775               | 10.46                         | 10.48                         | 13.48                       | 30.00                | -16.52               |

**PSD Results**

| Channel | Frequency<br>(MHz) | Antenna 6 Meas PSD<br>(dBm/500KHz) | Antenna 5 Meas PSD<br>(dBm/500KHz) | Total Corr'd PSD<br>(dBm/500KHz) | PSD Limit<br>(dBm/500KHz) | PSD Margin<br>(dB) |
|---------|--------------------|------------------------------------|------------------------------------|----------------------------------|---------------------------|--------------------|
| Mid     | 5775               | 5.205                              | 5.201                              | 8.213                            | 30.00                     | -21.787            |



**2TX Antenna 6 + Antenna 5 CDD MODE (FCC) MOBILE – 26 Tones, RU Index 18**

|                       |         |
|-----------------------|---------|
| <b>Test Engineer:</b> | 26118   |
| <b>Test Date:</b>     | 6/12/23 |

**Antenna Gain and Limit**

| Channel | Frequency (MHz) | Directional Gain For Power (dBi) | Directional Gain For PSD (dBi) | Power Limit (dBm) | PSD Limit (dBm/500KHz) |
|---------|-----------------|----------------------------------|--------------------------------|-------------------|------------------------|
| Mid     | 5775            | -2.63                            | 0.35                           | 30.00             | 30.00                  |

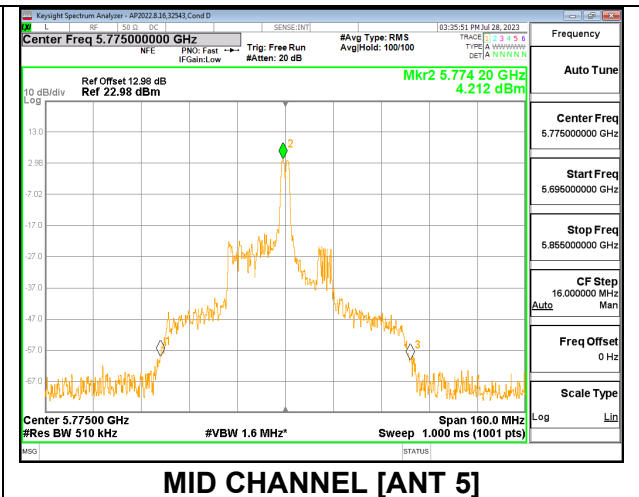
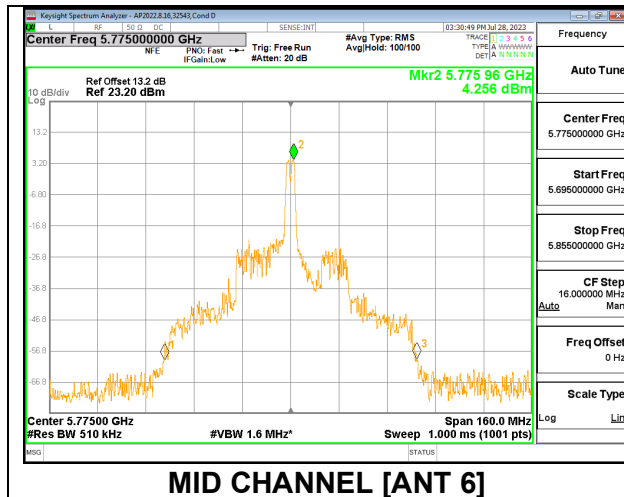
|                           |      |   |
|---------------------------|------|---|
| <b>Duty Cycle CF (dB)</b> | 0.00 | <b>Included in Calculations of Corr'd PSD</b> |
|---------------------------|------|---|

**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     | 5775            | 10.44                      | 10.36                      | 13.41                    | 30.00             | -16.59            |

**PSD Results**

| Channel | Frequency (MHz) | Antenna 6 Meas PSD (dBm/500KHz) | Antenna 5 Meas PSD (dBm/500KHz) | Total Corr'd PSD (dBm/500KHz) | PSD Limit (dBm/500KHz) | PSD Margin (dB) |
|---------|-----------------|---------------------------------|---------------------------------|-------------------------------|------------------------|-----------------|
| Mid     | 5775            | 4.258                           | 4.212                           | 7.245                         | 30.00                  | -22.755         |



**2TX Antenna 6 + Antenna 5 CDD MODE (FCC) MOBILE – 26 Tones, RU Index 36**

|                       |         |
|-----------------------|---------|
| <b>Test Engineer:</b> | 23560   |
| <b>Test Date:</b>     | 6/18/23 |

**Antenna Gain and Limit**

| Channel | Frequency (MHz) | Directional Gain For Power (dBi) | Directional Gain For PSD (dBi) | Power Limit (dBm) | PSD Limit (dBm/500KHz) |
|---------|-----------------|----------------------------------|--------------------------------|-------------------|------------------------|
| Mid     | 5775            | -2.63                            | 0.35                           | 30.00             | 30.00                  |

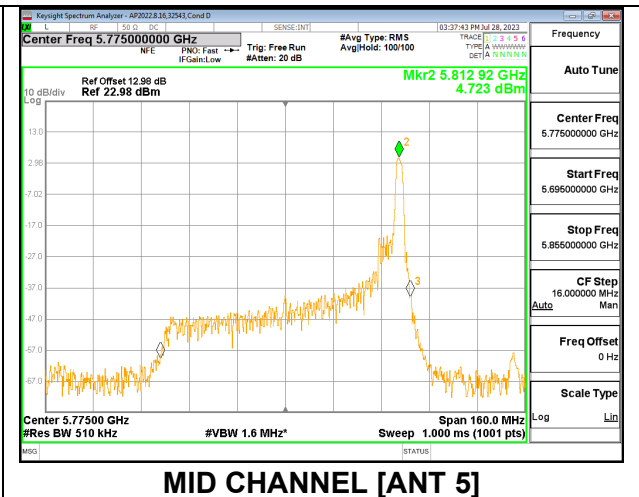
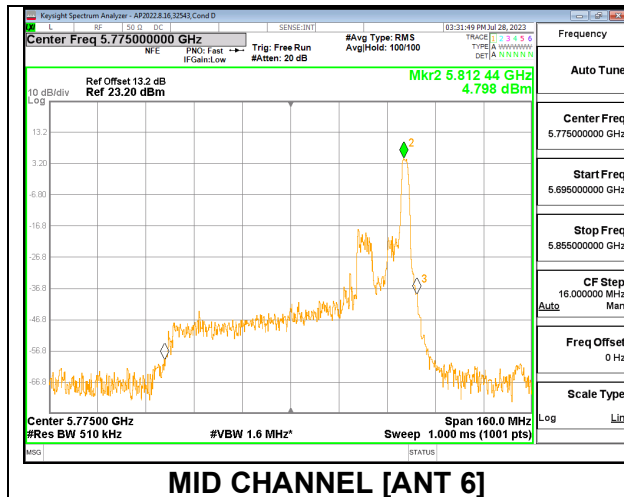
|                           |      |   |
|---------------------------|------|---|
| <b>Duty Cycle CF (dB)</b> | 0.00 | <b>Included in Calculations of Corr'd PSD</b> |
|---------------------------|------|---|

**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     | 5775            | 10.48                      | 10.32                      | 13.41                    | 30.00             | -16.59            |

**PSD Results**

| Channel | Frequency (MHz) | Antenna 6 Meas PSD (dBm/500KHz) | Antenna 5 Meas PSD (dBm/500KHz) | Total Corr'd PSD (dBm/500KHz) | PSD Limit (dBm/500KHz) | PSD Margin (dB) |
|---------|-----------------|---------------------------------|---------------------------------|-------------------------------|------------------------|-----------------|
| Mid     | 5775            | 4.798                           | 4.723                           | 7.771                         | 30.00                  | -22.229         |





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

|                       |        |
|-----------------------|--------|
| <b>Test Engineer:</b> | 23560  |
| <b>Test Date:</b>     | 6/7/23 |

**Antenna Gain and Limit**

| Channel | Frequency<br>(MHz) | Directional<br>Gain<br>For Power<br>(dBi) | Directional<br>Gain<br>For PSD<br>(dBi) | Power<br>Limit<br>(dBm) | PSD<br>Limit<br>(dBm/500KHz) |
|---------|--------------------|---|---|-------------------------|------------------------------|
| Mid     | 5775               | -2.63                                     | 0.35                                    | 30.00                   | 30.00                        |

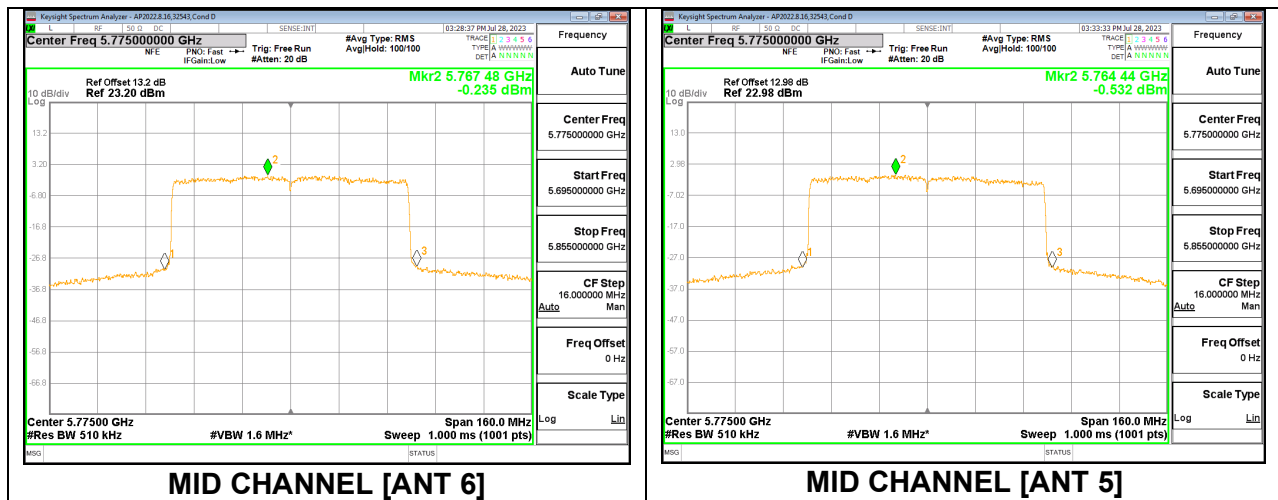
|                           |      |   |
|---------------------------|------|---|
| <b>Duty Cycle CF (dB)</b> | 0.15 | <b>Included in Calculations of Corr'd PSD</b> |
|---------------------------|------|---|

**Output Power Results**

| Channel | Frequency<br>(MHz) | Antenna 6<br>Meas<br>Power<br>(dBm) | Antenna 5<br>Meas<br>Power<br>(dBm) | Total<br>Corr'd<br>Power<br>(dBm) | Power<br>Limit<br>(dBm) | Power<br>Margin<br>(dB) |
|---------|--------------------|-------------------------------------|-------------------------------------|-----------------------------------|-------------------------|-------------------------|
| Mid     | 5775               | 19.93                               | 19.96                               | 22.96                             | 30.00                   | -7.04                   |

**PSD Results**

| Channel | Frequency<br>(MHz) | Antenna 6<br>Meas<br>PSD<br>(dBm/500KHz) | Antenna 5<br>Meas<br>PSD<br>(dBm/500KHz) | Total<br>Corr'd<br>PSD<br>(dBm/500KHz) | PSD<br>Limit<br>(dBm/500KHz) | PSD<br>Margin<br>(dB) |
|---------|--------------------|--|--|--|------------------------------|-----------------------|
| Mid     | 5775               | -0.235                                   | -0.532                                   | 2.779                                  | 30.00                        | -27.221               |



## 10. SETUP PHOTOS

Refer to report 14523778-EP1V1 for setup photos.

**END OF TEST REPORT**