

2TX Antenna 1 + Antenna 2 CDD MODE (IC)

| | |
|-----------------------|----------|
| Test Engineer: | 16080 ZS |
| Test Date: | 8/17/21 |

Bandwidth, Antenna Gain, and Limits

| Channel | Frequency (MHz) | Min 99% BW (MHz) | Directional Gain for Power (dBi) | Directional Gain for PSD (dBi) | EIRP Power Limit (dBm) | Power Limit (dBm) | EIRP PSD Limit (dBm/1MHz) | PSD Limit (dBm/1MHz) |
|---------|--------------------|---------------------------|---|---|---------------------------------|-------------------------|------------------------------------|----------------------------|
| Low | 5190 | 35.950 | 2.92 | 5.92 | 23.00 | 20.08 | 10.00 | 4.08 |
| High | 5230 | 35.989 | 2.92 | 5.92 | 23.00 | 20.08 | 10.00 | 4.08 |

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

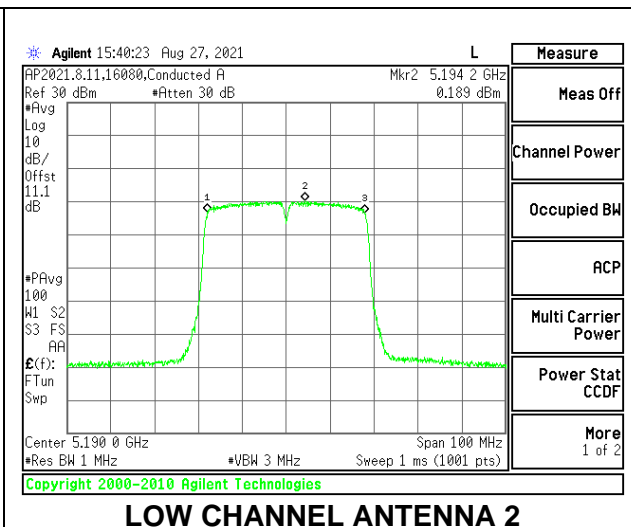
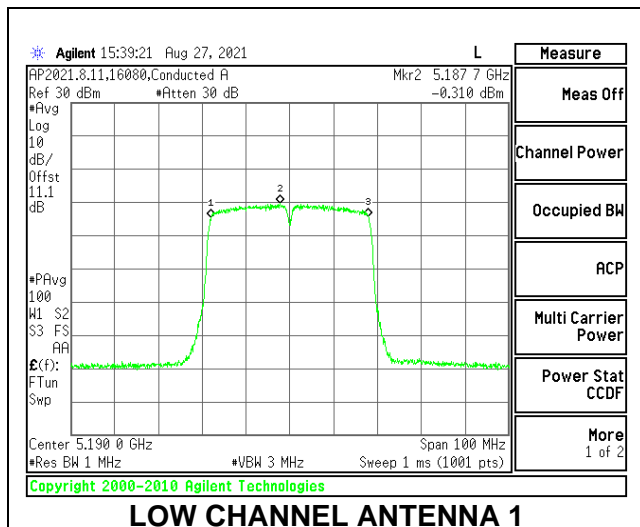
Output Power Results

| Channel | Frequency (MHz) | Antenna 1 Meas Power (dBm) | Antenna 2 Meas Power (dBm) | Total Corr'd Power (dBm) | Power Limit (dBm) | Power Margin (dB) |
|---------|--------------------|-------------------------------------|-------------------------------------|-----------------------------------|-------------------------|-------------------------|
| Low | 5190 | 12.52 | 13.69 | 16.15 | 20.08 | -3.93 |
| High | 5230 | 12.33 | 13.43 | 15.93 | 20.08 | -4.15 |

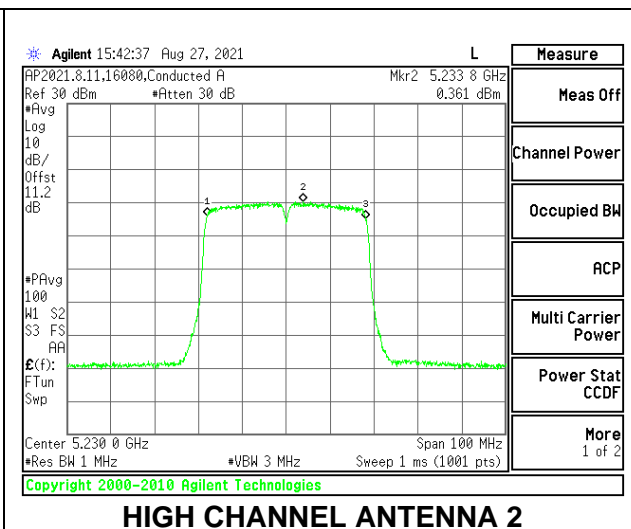
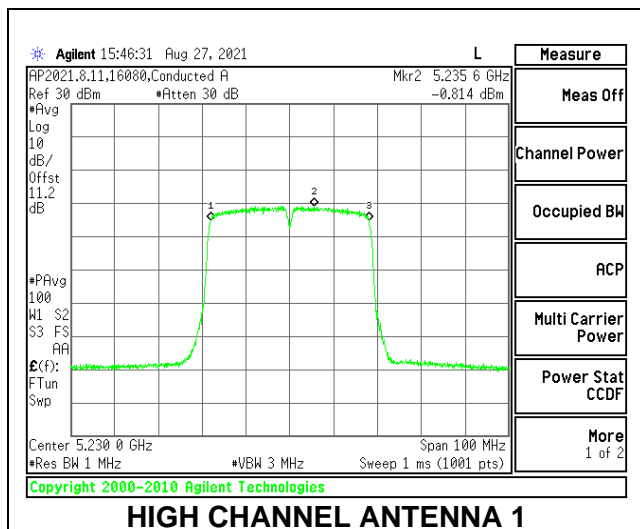
PSD Results

| Channel | Frequency (MHz) | Antenna 1 Meas PSD (dBm/1MHz) | Antenna 2 Meas PSD (dBm/1MHz) | Total Corr'd PSD (dBm/1MHz) | PSD Limit (dBm/1MHz) | PSD Margin (dB) |
|---------|--------------------|--|--|--------------------------------------|----------------------------|-----------------------|
| Low | 5180 | -0.31 | 0.19 | 2.96 | 4.08 | -1.12 |
| High | 5240 | -0.81 | 0.36 | 2.83 | 4.08 | -1.25 |

LOW CHANNEL



HIGH CHANNEL



9.5.4. 802.11ac VHT80 MODE IN THE 5.2 GHz BAND

1TX Antenna 1 MODE (FCC)

| | |
|-----------------------|----------|
| Test Engineer: | 16080 ZS |
| Test Date: | 8/17/21 |

Antenna Gain and Limits

| Channel | Frequency (MHz) | Directional Gain for Power (dBi) | Power Limit (dBm) | PSD Limit (dBm/ 1MHz) |
|---------|--------------------|---|-------------------------|--------------------------------|
| Mid | 5210 | 3.30 | 24.00 | 11.00 |

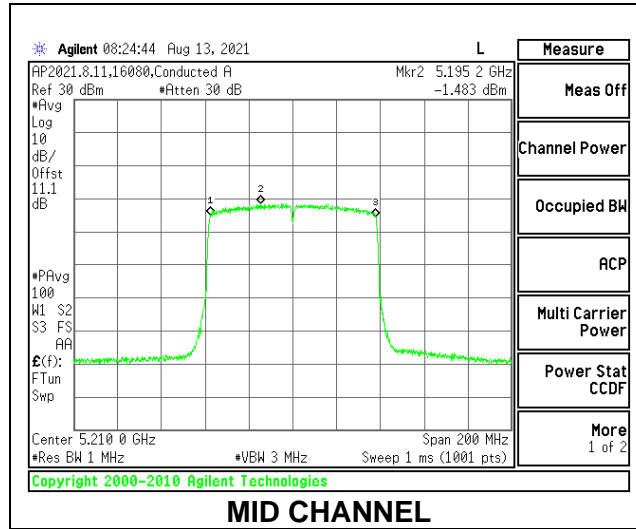
| | | |
|---------------------------|------|---|
| Duty Cycle CF (dB) | 0.00 | Included in Calculations of Corr'd Power & PSD |
|---------------------------|------|---|

Output Power Results

| Channel | Frequency (MHz) | Meas Power (dBm) | Total Corr'd Power (dBm) | Power Limit (dBm) | Power Margin (dB) |
|---------|--------------------|------------------------|-----------------------------------|-------------------------|-------------------------|
| Mid | 5210 | 14.76 | 14.76 | 24.00 | -9.24 |

PSD Results

| Channel | Frequency (MHz) | Meas PSD (dBm/1MHz) | Total Corr'd PSD (dBm/1MHz) | PSD Limit (dBm/ 1MHz) | PSD Margin (dB) |
|---------|--------------------|---------------------------|--------------------------------------|--------------------------------|-----------------------|
| Mid | 5210 | -1.48 | -1.48 | 11.00 | -12.48 |



1TX Antenna 1 MODE (IC)

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|-----------------------|----------|
| Test Engineer: | 16080 ZS |
| Test Date: | 8/17/21 |

Bandwidth, Antenna Gain, and Limits

| Channel | Frequency (MHz) | Min 99% BW (MHz) | Directional Gain (dBi) | EIRP Power Limit (dBm) | Power Limit (dBm) | EIRP PSD Limit (dBm/ 1MHz) | PSD Limit (dBm/ 1MHz) |
|---------|--------------------|---------------------------|------------------------------|---------------------------------|-------------------------|--|--------------------------------|
| Mid | 5210 | 75.362 | 3.30 | 23.00 | 19.70 | 10.00 | 6.70 |

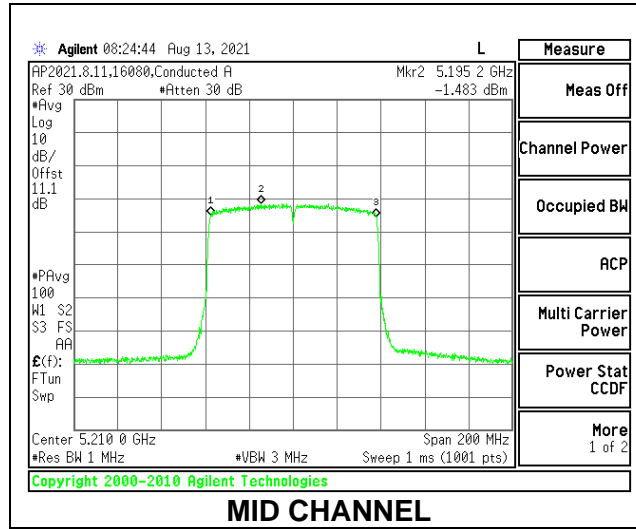
| | | |
|---------------------------|------|---|
| Duty Cycle CF (dB) | 0.00 | Included in Calculations of Corr'd Power & PSD |
|---------------------------|------|---|

Output Power Results

| Channel | Frequency (MHz) | Meas Power (dBm) | Total Corr'd Power (dBm) | Power Limit (dBm) | Power Margin (dB) |
|---------|--------------------|------------------------|-----------------------------------|-------------------------|-------------------------|
| Mid | 5210 | 14.76 | 14.76 | 19.70 | -4.94 |

PSD Results

| Channel | Frequency (MHz) | Meas PSD (dBm/1MHz) | Total Corr'd PSD (dBm/1MHz) | PSD Limit (dBm/ 1MHz) | PSD Margin (dB) |
|---------|--------------------|---------------------------|--------------------------------------|--------------------------------|-----------------------|
| Mid | 5210 | -1.48 | -1.48 | 6.70 | -8.18 |



1TX Antenna 2 MODE (FCC)

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|-----------------------|----------|
| Test Engineer: | 16080 ZS |
| Test Date: | 8/17/21 |

Antenna Gain and Limits

| Channel | Frequency (MHz) | Directional Gain for Power (dBi) | Power Limit (dBm) | PSD Limit (dBm/ 1MHz) |
|---------|--------------------|---|-------------------------|--------------------------------|
| Mid | 5210 | 2.50 | 24.00 | 11.00 |

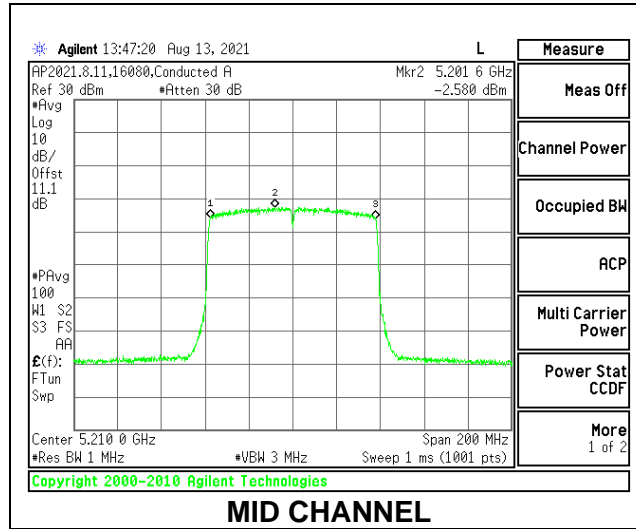
| | | |
|---------------------------|------|---|
| Duty Cycle CF (dB) | 0.00 | Included in Calculations of Corr'd Power & PSD |
|---------------------------|------|---|

Output Power Results

| Channel | Frequency (MHz) | Meas Power (dBm) | Total Corr'd Power (dBm) | Power Limit (dBm) | Power Margin (dB) |
|---------|--------------------|------------------------|-----------------------------------|-------------------------|-------------------------|
| Mid | 5210 | 13.76 | 13.76 | 24.00 | -10.24 |

PSD Results

| Channel | Frequency (MHz) | Meas PSD (dBm/1MHz) | Total Corr'd PSD (dBm/1MHz) | PSD Limit (dBm/ 1MHz) | PSD Margin (dB) |
|---------|--------------------|---------------------------|--------------------------------------|--------------------------------|-----------------------|
| Mid | 5210 | -2.58 | -2.58 | 11.00 | -13.58 |



1TX Antenna 2 MODE (IC)

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|-----------------------|----------|
| Test Engineer: | 16080 ZS |
| Test Date: | 8/17/21 |

Bandwidth, Antenna Gain, and Limits

| Channel | Frequency (MHz) | Min 99% BW (MHz) | Directional Gain (dBi) | EIRP Power Limit (dBm) | Power Limit (dBm) | EIRP PSD Limit (dBm/ 1MHz) | PSD Limit (dBm/ 1MHz) |
|---------|--------------------|---------------------------|------------------------------|---------------------------------|-------------------------|--|--------------------------------|
| Mid | 5210 | 75.421 | 2.50 | 23.00 | 20.50 | 10.00 | 7.50 |

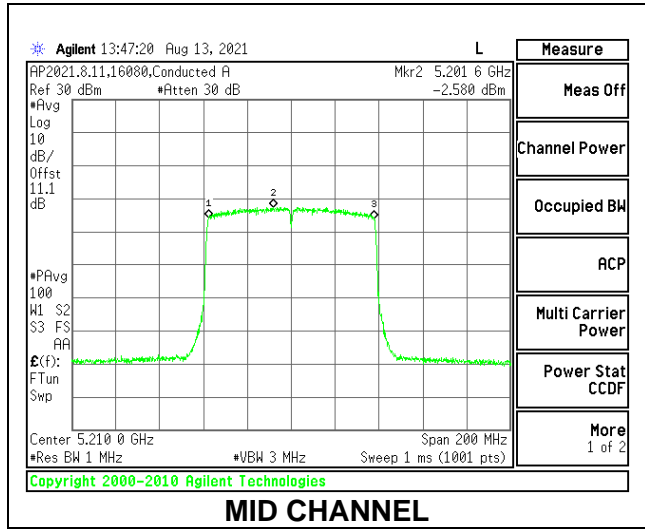
| | | |
|---------------------------|------|---|
| Duty Cycle CF (dB) | 0.00 | Included in Calculations of Corr'd Power & PSD |
|---------------------------|------|---|

Output Power Results

| Channel | Frequency (MHz) | Meas Power (dBm) | Total Corr'd Power (dBm) | Power Limit (dBm) | Power Margin (dB) |
|---------|--------------------|------------------------|-----------------------------------|-------------------------|-------------------------|
| Mid | 5210 | 13.76 | 13.76 | 20.50 | -6.74 |

PSD Results

| Channel | Frequency (MHz) | Meas PSD (dBm/1MHz) | Total Corr'd PSD (dBm/1MHz) | PSD Limit (dBm/ 1MHz) | PSD Margin (dB) |
|---------|--------------------|---------------------------|--------------------------------------|--------------------------------|-----------------------|
| Mid | 5210 | -2.58 | -2.58 | 7.50 | -10.08 |



2TX Antenna 1 + Antenna 2 CDD MODE (FCC)

| | |
|-----------------------|----------|
| Test Engineer: | 16080 ZS |
| Test Date: | 8/17/21 |

Antenna Gain and Limits

| Channel | Frequency (MHz) | Directional Gain for Power (dBi) | Directional Gain for PSD (dBi) | Power Limit (dBm) | PSD Limit (dBm/ 1MHz) |
|---------|--------------------|---|---|-------------------------|--------------------------------|
| Mid | 5210 | 2.92 | 5.92 | 24.00 | 11.00 |

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

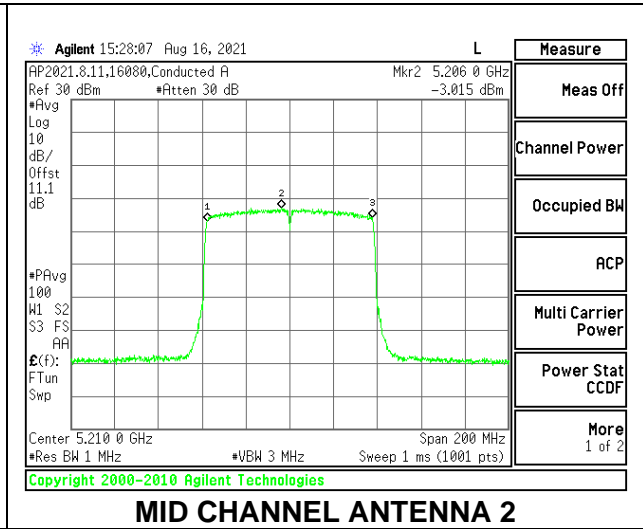
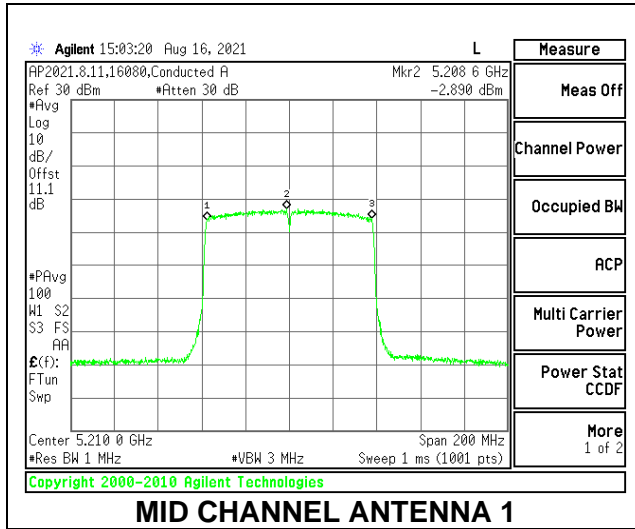
Output Power Results

| Channel | Frequency (MHz) | Antenna 1 Meas Power (dBm) | Antenna 2 Meas Power (dBm) | Total Corr'd Power (dBm) | Power Limit (dBm) | Power Margin (dB) |
|---------|--------------------|-------------------------------------|-------------------------------------|-----------------------------------|-------------------------|-------------------------|
| Mid | 5210 | 12.84 | 13.32 | 16.10 | 24.00 | -7.90 |

PSD Results

| Channel | Frequency (MHz) | Antenna 1 Meas PSD (dBm/ 1MHz) | Antenna 2 Meas PSD (dBm/ 1MHz) | Total Corr'd PSD (dBm/ 1MHz) | PSD Limit (dBm/ 1MHz) | PSD Margin (dB) |
|---------|--------------------|--|--|--|--------------------------------|-----------------------|
| Mid | 5210 | -2.89 | -3.02 | 0.06 | 11.00 | -10.94 |

MID CHANNEL



2TX Antenna 1 + Antenna 2 CDD MODE (IC)

| | |
|-----------------------|----------|
| Test Engineer: | 16080 ZS |
| Test Date: | 8/17/21 |

Bandwidth, Antenna Gain, and Limits

| Channel | Frequency (MHz) | Min 99% BW (MHz) | Directional Gain for Power (dBi) | Directional Gain for PSD (dBi) | EIRP Power Limit (dBm) | Power Limit (dBm) | EIRP PSD Limit (dBm/ 1MHz) | PSD Limit (dBm/ 1MHz) |
|---------|--------------------|---------------------------|---|---|---------------------------------|-------------------------|--|--------------------------------|
| Mid | 5210 | 75.309 | 2.92 | 5.92 | 23.00 | 20.08 | 10.00 | 4.08 |

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

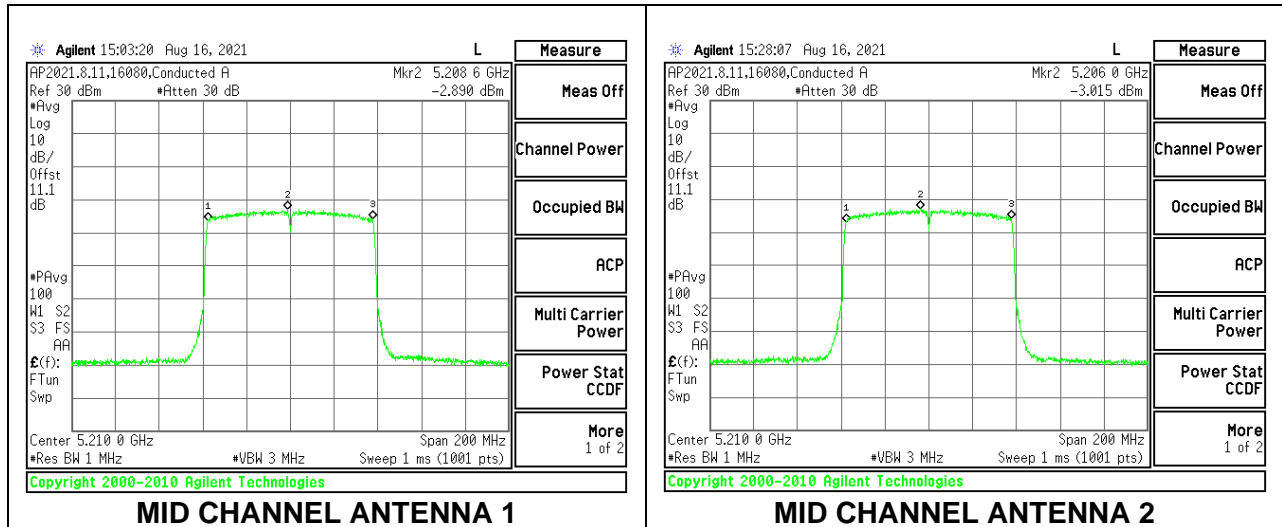
Output Power Results

| Channel | Frequency (MHz) | Antenna 1 Meas Power (dBm) | Antenna 2 Meas Power (dBm) | Total Corr'd Power (dBm) | Power Limit (dBm) | Power Margin (dB) |
|---------|--------------------|-------------------------------------|-------------------------------------|-----------------------------------|-------------------------|-------------------------|
| Mid | 5210 | 12.84 | 13.32 | 16.10 | 20.08 | -3.98 |

PSD Results

| Channel | Frequency (MHz) | Antenna 1 Meas PSD (dBm/ 1MHz) | Antenna 2 Meas PSD (dBm/ 1MHz) | Total Corr'd PSD (dBm/ 1MHz) | PSD Limit (dBm/ 1MHz) | PSD Margin (dB) |
|---------|--------------------|--|--|--|--------------------------------|-----------------------|
| Mid | 5210 | -2.89 | -3.02 | 0.06 | 4.08 | -4.02 |

MID CHANNEL



9.5.5. 802.11a MODE IN THE 5.3 GHz BAND

1TX Antenna 1 MODE (FCC)

| | |
|-----------------------|----------|
| Test Engineer: | 16080 ZS |
| Test Date: | 8/17/21 |

Bandwidth, Antenna Gain, and Limits

| Channel | Frequency (MHz) | Min 26 dB BW (MHz) | Directional Gain (dBi) | Power Limit (dBm) | PSD Limit (dBm/1MHz) |
|---------|--------------------|-----------------------------|------------------------------|-------------------------|----------------------------|
| Low | 5260 | 19.50 | 3.30 | 23.90 | 11.00 |
| Mid | 5300 | 19.50 | 3.30 | 23.90 | 11.00 |
| High | 5320 | 19.55 | 3.30 | 23.91 | 11.00 |

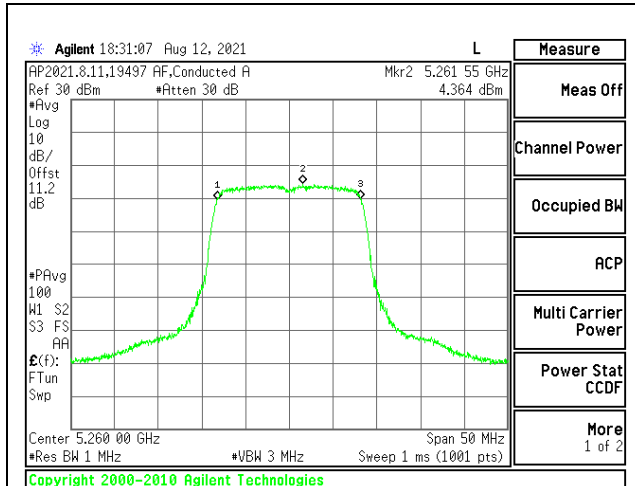
| | | |
|---------------------------|------|---|
| Duty Cycle CF (dB) | 0.00 | Included in Calculations of Corr'd PSD |
|---------------------------|------|---|

Output Power Results

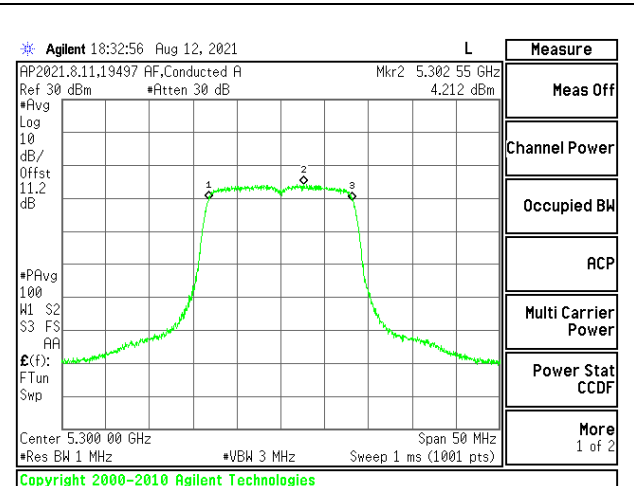
| Channel | Frequency (MHz) | Meas Power (dBm) | Total Corr'd Power (dBm) | Power Limit (dBm) | Power Margin (dB) |
|---------|--------------------|------------------------|-----------------------------------|-------------------------|-------------------------|
| Low | 5260 | 14.72 | 14.72 | 23.90 | -9.18 |
| Mid | 5300 | 14.63 | 14.63 | 23.90 | -9.27 |
| High | 5320 | 14.35 | 14.35 | 23.91 | -9.56 |

PSD Results

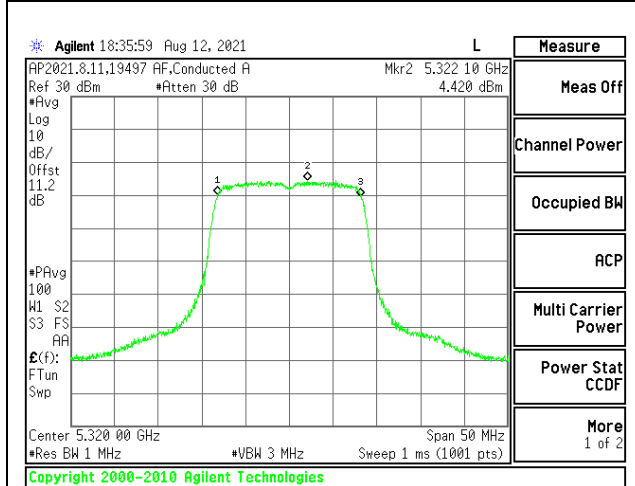
| Channel | Frequency (MHz) | Meas PSD (dBm/1MHz) | Total Corr'd PSD (dBm/1MHz) | PSD Limit (dBm/1MHz) | PSD Margin (dB) |
|---------|--------------------|---------------------------|--------------------------------------|----------------------------|-----------------------|
| Low | 5260 | 4.36 | 4.36 | 11.00 | -6.64 |
| Mid | 5300 | 4.21 | 4.21 | 11.00 | -6.79 |
| High | 5320 | 4.42 | 4.42 | 11.00 | -6.58 |



LOW CHANNEL



MID CHANNEL



HIGH CHANNEL

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1TX Antenna 1 MODE (IC)

| | |
|-----------------------|----------|
| Test Engineer: | 16080 ZS |
| Test Date: | 8/17/21 |

Bandwidth, Antenna Gain, and Limits

| Channel | Frequency (MHz) | Min 99% BW (MHz) | Directional Gain (dBi) | Power Limit (dBm) | PSD Limit (dBm/1MHz) |
|---------|--------------------|---------------------------|------------------------------|-------------------------|----------------------------|
| Low | 5260 | 16.379 | 3.30 | 23.14 | 11.00 |
| Mid | 5300 | 16.409 | 3.30 | 23.15 | 11.00 |
| High | 5320 | 16.329 | 3.30 | 23.13 | 11.00 |

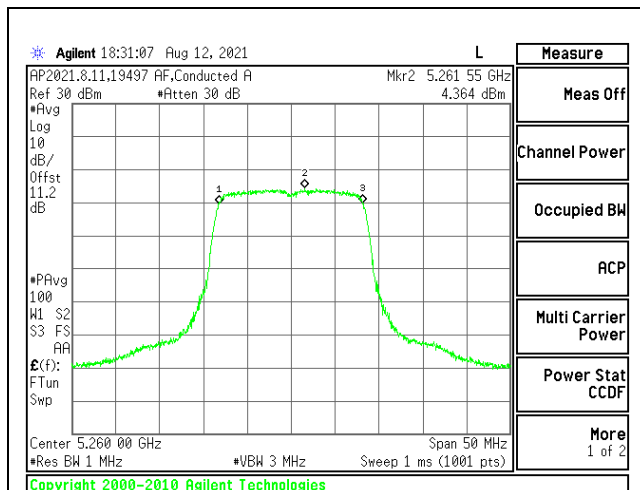
| | | |
|---------------------------|------|---|
| Duty Cycle CF (dB) | 0.00 | Included in Calculations of Corr'd PSD |
|---------------------------|------|---|

Output Power Results

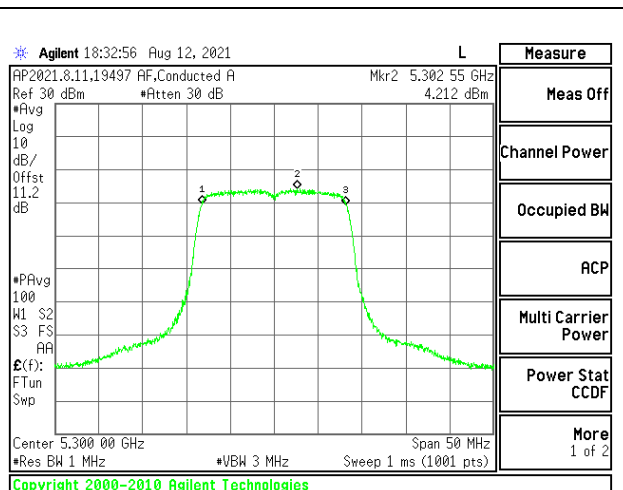
| Channel | Frequency (MHz) | Meas Power (dBm) | Total Corr'd Power (dBm) | Power Limit (dBm) | Power Margin (dB) |
|---------|--------------------|------------------------|-----------------------------------|-------------------------|-------------------------|
| Low | 5260 | 14.72 | 14.72 | 23.14 | -8.42 |
| Mid | 5300 | 14.63 | 14.63 | 23.15 | -8.52 |
| High | 5320 | 14.35 | 14.35 | 23.13 | -8.78 |

PSD Results

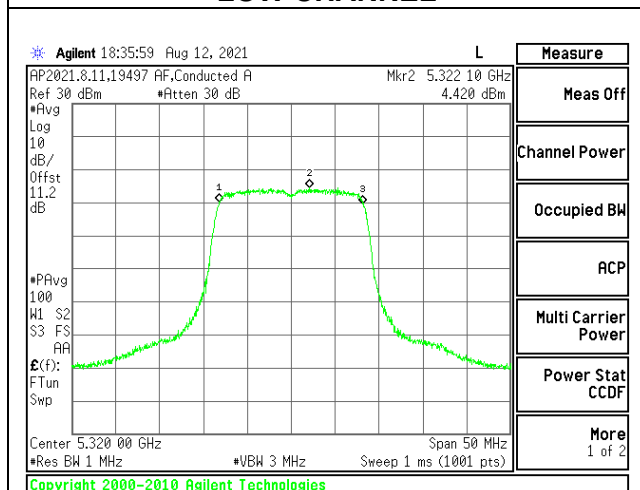
| Channel | Frequency (MHz) | Meas PSD (dBm/1MHz) | Total Corr'd PSD (dBm/1MHz) | PSD Limit (dBm/1MHz) | PSD Margin (dB) |
|---------|--------------------|---------------------------|--------------------------------------|----------------------------|-----------------------|
| Low | 5260 | 4.36 | 4.36 | 11.00 | -6.64 |
| Mid | 5300 | 4.21 | 4.21 | 11.00 | -6.79 |
| High | 5320 | 4.42 | 4.42 | 11.00 | -6.58 |



LOW CHANNEL



MID CHANNEL



HIGH CHANNEL

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1TX Antenna 2 MODE (FCC)

| | |
|-----------------------|----------|
| Test Engineer: | 16080 ZS |
| Test Date: | 8/17/21 |

Bandwidth, Antenna Gain, and Limits

| Channel | Frequency (MHz) | Min 26 dB BW (MHz) | Directional Gain (dBi) | Power Limit (dBm) | PSD Limit (dBm/1MHz) |
|---------|--------------------|-----------------------------|------------------------------|-------------------------|----------------------------|
| Low | 5260 | 19.50 | 2.90 | 23.90 | 11.00 |
| Mid | 5300 | 19.50 | 2.90 | 23.90 | 11.00 |
| High | 5320 | 19.45 | 2.90 | 23.89 | 11.00 |

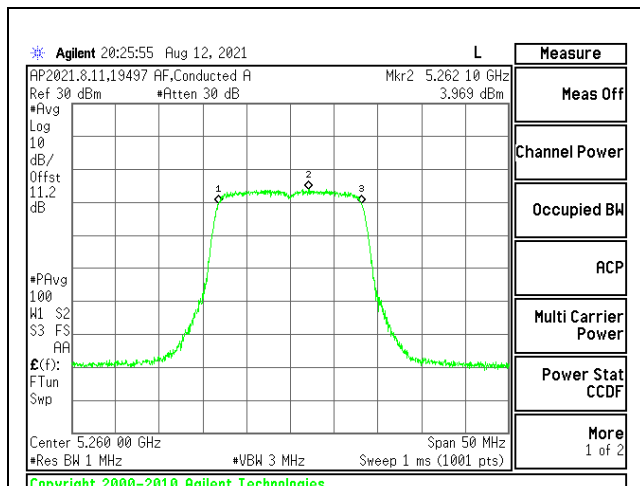
| | | |
|---------------------------|------|---|
| Duty Cycle CF (dB) | 0.00 | Included in Calculations of Corr'd PSD |
|---------------------------|------|---|

Output Power Results

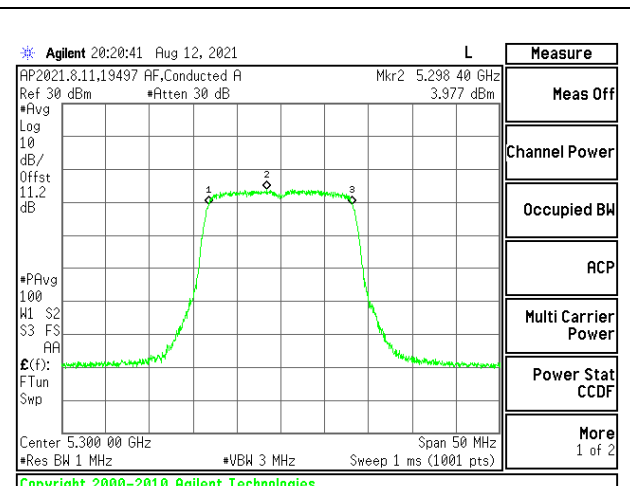
| Channel | Frequency (MHz) | Meas Power (dBm) | Total Corr'd Power (dBm) | Power Limit (dBm) | Power Margin (dB) |
|---------|--------------------|------------------------|-----------------------------------|-------------------------|-------------------------|
| Low | 5260 | 14.08 | 14.08 | 23.90 | -9.82 |
| Mid | 5300 | 13.87 | 13.87 | 23.90 | -10.03 |
| High | 5320 | 13.97 | 13.97 | 23.89 | -9.92 |

PSD Results

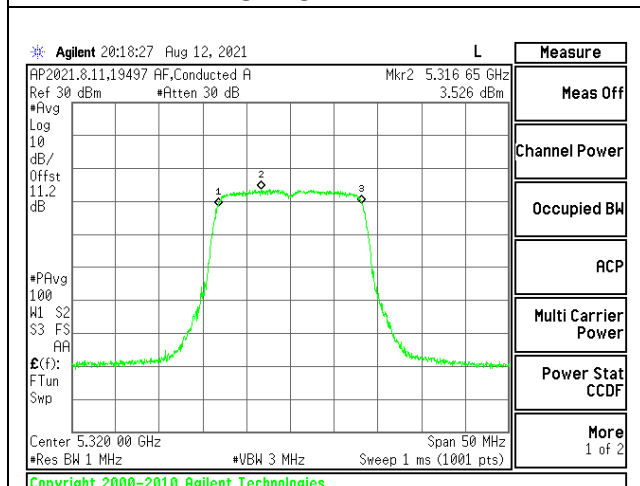
| Channel | Frequency (MHz) | Meas PSD (dBm/1MHz) | Total Corr'd PSD (dBm/1MHz) | PSD Limit (dBm/1MHz) | PSD Margin (dB) |
|---------|--------------------|---------------------------|--------------------------------------|----------------------------|-----------------------|
| Low | 5260 | 3.97 | 3.97 | 11.00 | -7.03 |
| Mid | 5300 | 3.98 | 3.98 | 11.00 | -7.02 |
| High | 5320 | 3.53 | 3.53 | 11.00 | -7.47 |



LOW CHANNEL



MID CHANNEL



HIGH CHANNEL

Intentionally left blank

1TX Antenna 2 MODE (IC)

| | |
|-----------------------|----------|
| Test Engineer: | 16080 ZS |
| Test Date: | 8/17/21 |

Bandwidth, Antenna Gain, and Limits

| Channel | Frequency (MHz) | Min 99% BW (MHz) | Directional Gain (dBi) | Power Limit (dBm) | PSD Limit (dBm/1MHz) |
|---------|--------------------|---------------------------|------------------------------|-------------------------|----------------------------|
| Low | 5260 | 16.345 | 2.90 | 23.13 | 11.00 |
| Mid | 5300 | 16.435 | 2.90 | 23.16 | 11.00 |
| High | 5320 | 16.414 | 2.90 | 23.15 | 11.00 |

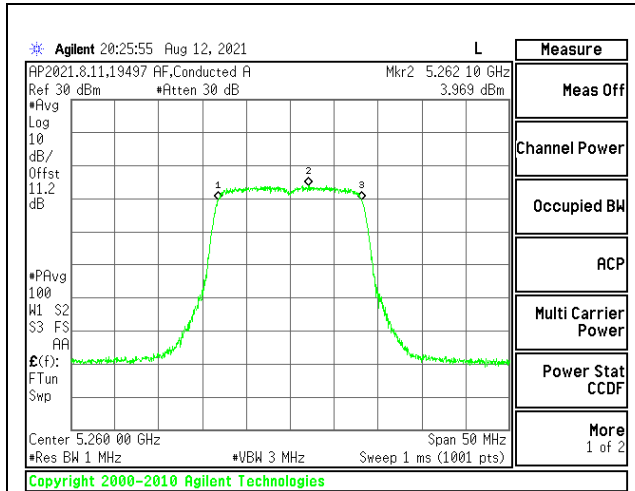
| | | |
|---------------------------|------|---|
| Duty Cycle CF (dB) | 0.00 | Included in Calculations of Corr'd PSD |
|---------------------------|------|---|

Output Power Results

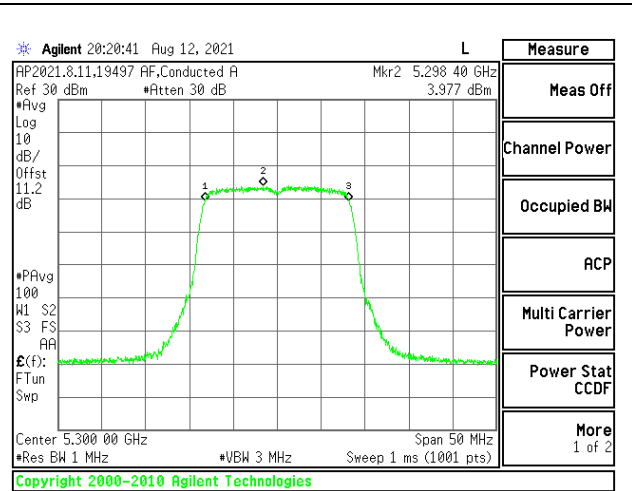
| Channel | Frequency (MHz) | Meas Power (dBm) | Total Corr'd Power (dBm) | Power Limit (dBm) | Power Margin (dB) |
|---------|--------------------|------------------------|-----------------------------------|-------------------------|-------------------------|
| Low | 5260 | 14.08 | 14.08 | 23.13 | -9.05 |
| Mid | 5300 | 13.87 | 13.87 | 23.16 | -9.29 |
| High | 5320 | 13.97 | 13.97 | 23.15 | -9.18 |

PSD Results

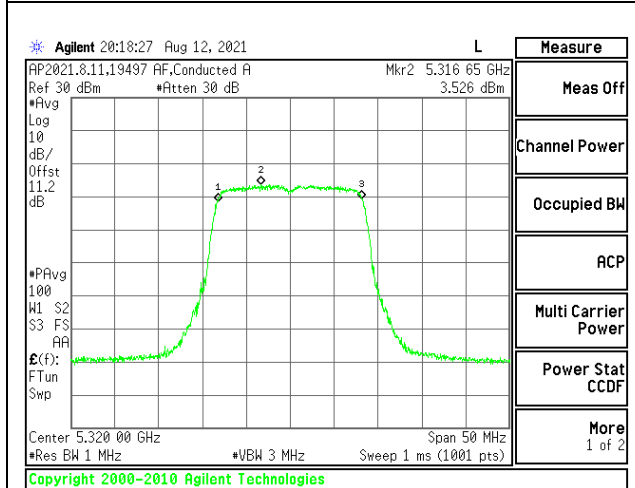
| Channel | Frequency (MHz) | Meas PSD (dBm/1MHz) | Total Corr'd PSD (dBm/1MHz) | PSD Limit (dBm/1MHz) | PSD Margin (dB) |
|---------|--------------------|---------------------------|--------------------------------------|----------------------------|-----------------------|
| Low | 5260 | 3.97 | 3.97 | 11.00 | -7.03 |
| Mid | 5300 | 3.98 | 3.98 | 11.00 | -7.02 |
| High | 5320 | 3.53 | 3.53 | 11.00 | -7.47 |



LOW CHANNEL



MID CHANNEL



HIGH CHANNEL

Intentionally left blank

2TX Antenna 1 + Antenna 2 CDD MODE (FCC)

| | |
|-----------------------|----------|
| Test Engineer: | 16080 ZS |
| Test Date: | 8/17/21 |

Bandwidth, Antenna Gain, and Limits

| Channel | Frequency (MHz) | Min 26 dB BW (MHz) | Directional Gain for Power (dBi) | Directional Gain for PSD (dBi) | Power Limit (dBm) | PSD Limit (dBm/1MHz) |
|---------|--------------------|-----------------------------|---|---|-------------------------|----------------------------|
| Low | 5260 | 19.05 | 3.10 | 6.11 | 23.80 | 10.89 |
| Mid | 5300 | 19.10 | 3.10 | 6.11 | 23.81 | 10.89 |
| High | 5320 | 19.05 | 3.10 | 6.11 | 23.80 | 10.89 |

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

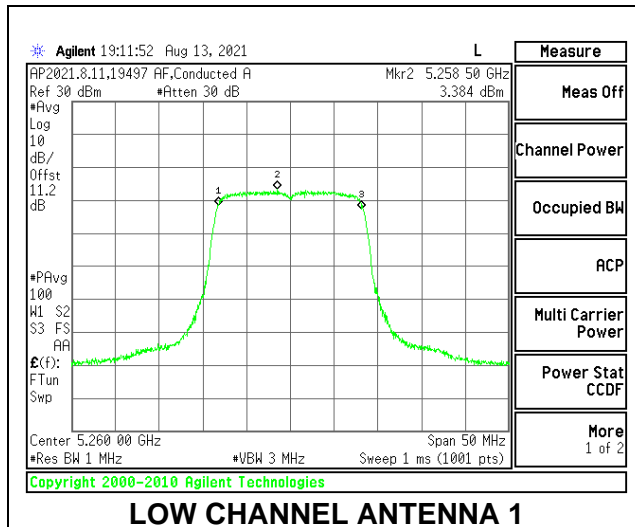
Output Power Results

| Channel | Frequency (MHz) | Antenna 1 Meas Power (dBm) | Antenna 2 Meas Power (dBm) | Total Corr'd Power (dBm) | Power Limit (dBm) | Power Margin (dB) |
|---------|--------------------|-------------------------------------|-------------------------------------|-----------------------------------|-------------------------|-------------------------|
| Low | 5260 | 13.42 | 13.84 | 16.65 | 23.80 | -7.15 |
| Mid | 5300 | 13.04 | 13.63 | 16.36 | 23.81 | -7.46 |
| High | 5320 | 13.36 | 13.40 | 16.39 | 23.80 | -7.41 |

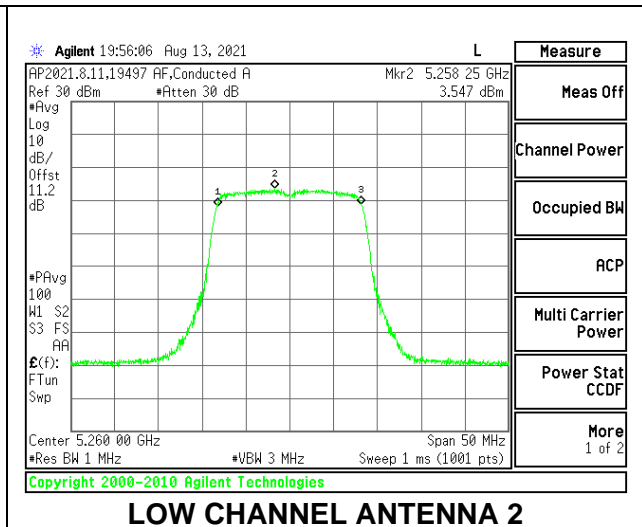
PSD Results

| Channel | Frequency (MHz) | Antenna 1 Meas PSD (dBm/1MHz) | Antenna 2 Meas PSD (dBm/1MHz) | Total Corr'd PSD (dBm/1MHz) | PSD Limit (dBm/1MHz) | PSD Margin (dB) |
|---------|--------------------|--|--|--------------------------------------|----------------------------|-----------------------|
| Low | 5260 | 3.38 | 3.55 | 6.48 | 10.89 | -4.41 |
| Mid | 5300 | 2.66 | 3.15 | 5.92 | 10.89 | -4.97 |
| High | 5320 | 3.27 | 2.82 | 6.06 | 10.89 | -4.83 |

LOW CHANNEL

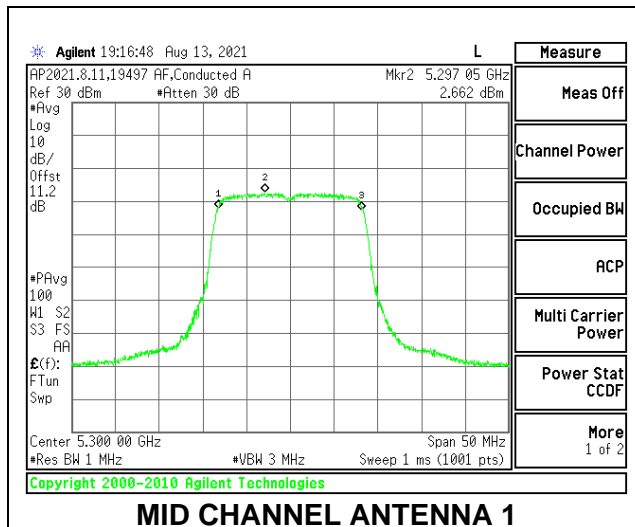


LOW CHANNEL ANTENNA 1

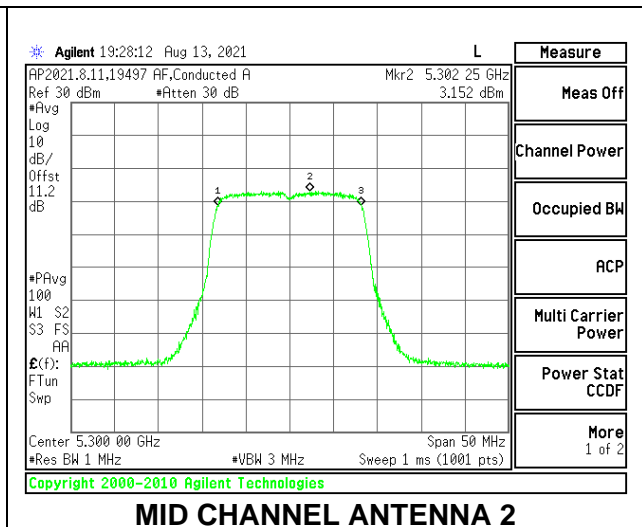


LOW CHANNEL ANTENNA 2

MID CHANNEL

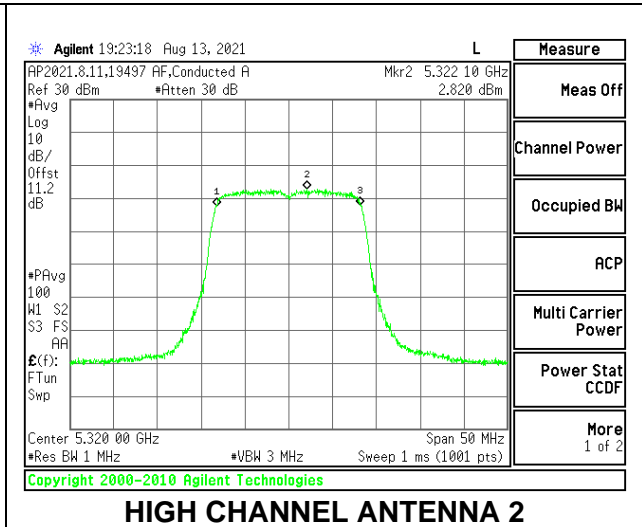
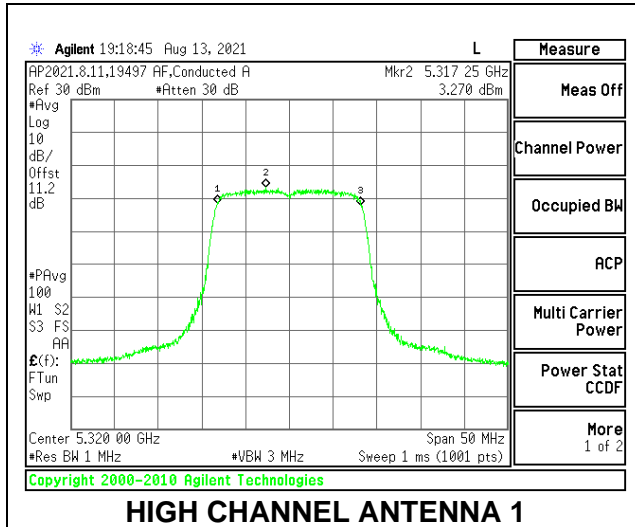


MID CHANNEL ANTENNA 1



MID CHANNEL ANTENNA 2

HIGH CHANNEL



2TX Antenna 1 + Antenna 2 CDD MODE (IC)

| | |
|-----------------------|----------|
| Test Engineer: | 16080 ZS |
| Test Date: | 8/17/21 |

Bandwidth, Antenna Gain, and Limits

| Channel | Frequency (MHz) | Min 99% BW (MHz) | Directional Gain for Power (dBi) | Directional Gain for PSD (dBi) | Power Limit (dBm) | PSD Limit (dBm/1MHz) |
|---------|--------------------|---------------------------|---|---|-------------------------|----------------------------|
| Low | 5260 | 16.381 | 3.10 | 6.11 | 23.14 | 11.00 |
| Mid | 5300 | 16.352 | 3.10 | 6.11 | 23.14 | 11.00 |
| High | 5320 | 16.395 | 3.10 | 6.11 | 23.15 | 11.00 |

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

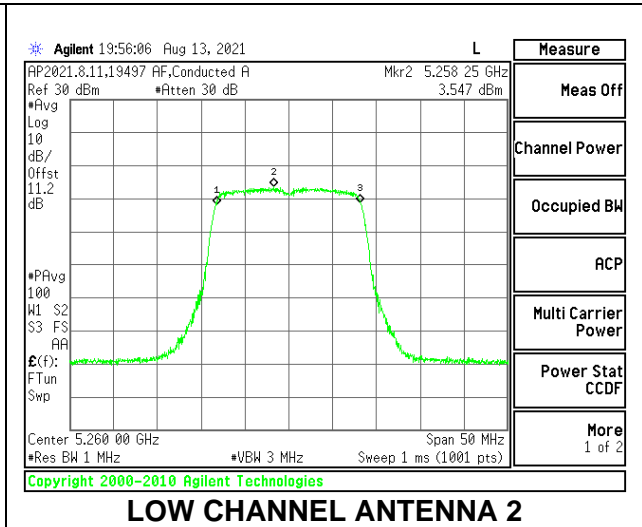
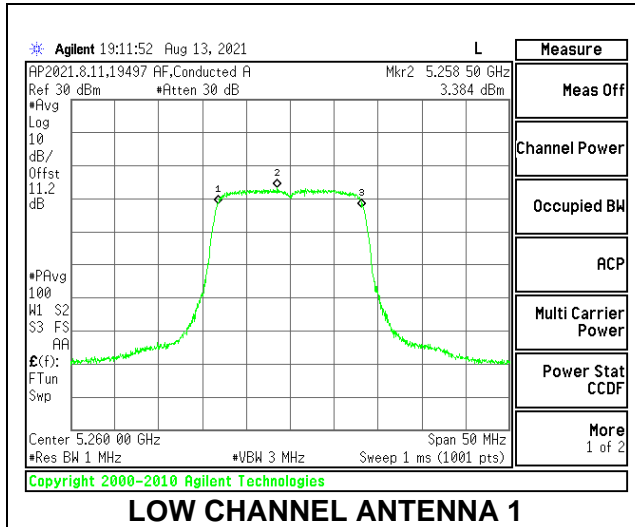
Output Power Results

| Channel | Frequency (MHz) | Antenna 1 Meas Power (dBm) | Antenna 2 Meas Power (dBm) | Total Corr'd Power (dBm) | Power Limit (dBm) | Power Margin (dB) |
|---------|--------------------|-------------------------------------|-------------------------------------|-----------------------------------|-------------------------|-------------------------|
| Low | 5260 | 13.42 | 13.84 | 16.65 | 23.14 | -6.50 |
| Mid | 5300 | 13.04 | 13.63 | 16.36 | 23.14 | -6.78 |
| High | 5320 | 13.36 | 13.40 | 16.39 | 23.15 | -6.76 |

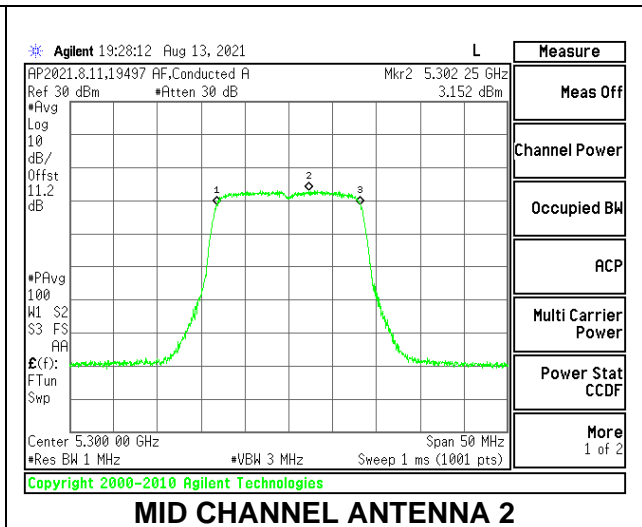
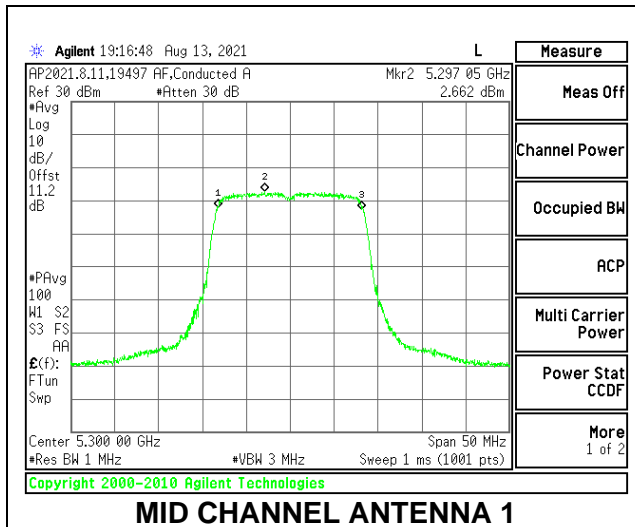
PSD Results

| Channel | Frequency (MHz) | Antenna 1 Meas PSD (dBm/1MHz) | Antenna 2 Meas PSD (dBm/1MHz) | Total Corr'd PSD (dBm/1MHz) | PSD Limit (dBm/1MHz) | PSD Margin (dB) |
|---------|--------------------|--|--|--------------------------------------|----------------------------|-----------------------|
| Low | 5260 | 3.38 | 3.55 | 6.48 | 11.00 | -4.52 |
| Mid | 5300 | 2.66 | 3.15 | 5.92 | 11.00 | -5.08 |
| High | 5320 | 3.27 | 2.82 | 6.06 | 11.00 | -4.94 |

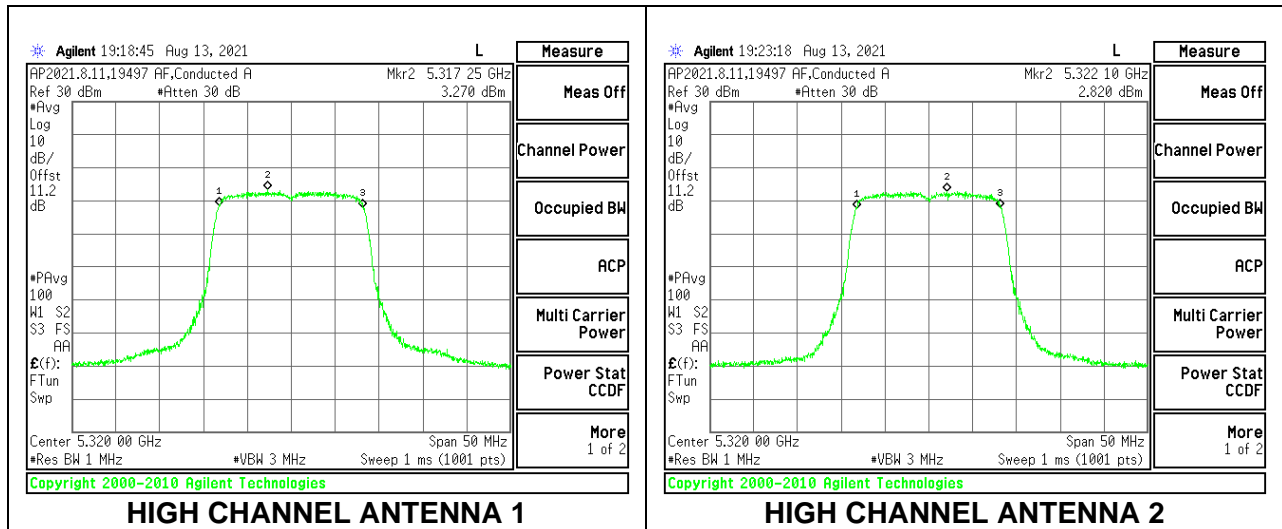
LOW CHANNEL



MID CHANNEL



HIGH CHANNEL



9.5.6. 802.11n HT20 MODE IN THE 5.3 GHz BAND

1TX Antenna 1 MODE (FCC)

| | |
|-----------------------|----------|
| Test Engineer: | 16080 ZS |
| Test Date: | 8/17/21 |

Bandwidth, Antenna Gain, and Limits

| Channel | Frequency (MHz) | Min 26 dB BW (MHz) | Directional Gain (dBi) | Power Limit (dBm) | PSD Limit (dBm/1MHz) |
|---------|--------------------|-----------------------------|------------------------------|-------------------------|----------------------------|
| Low | 5260 | 20.65 | 3.30 | 24.00 | 11.00 |
| Mid | 5300 | 20.80 | 3.30 | 24.00 | 11.00 |
| High | 5320 | 20.75 | 3.30 | 24.00 | 11.00 |

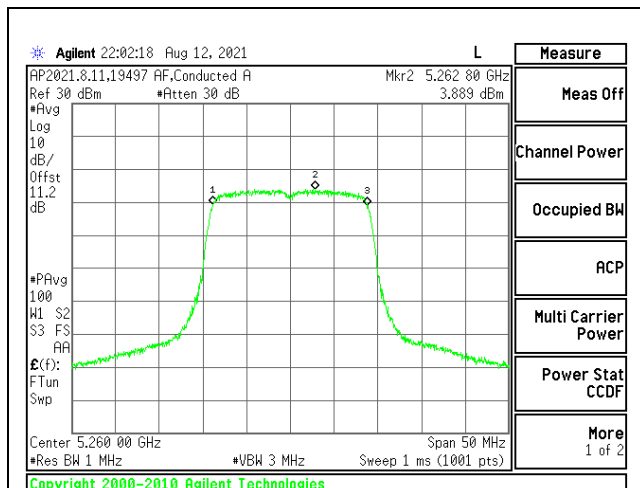
| | | |
|---------------------------|------|---|
| Duty Cycle CF (dB) | 0.00 | Included in Calculations of Corr'd PSD |
|---------------------------|------|---|

Output Power Results

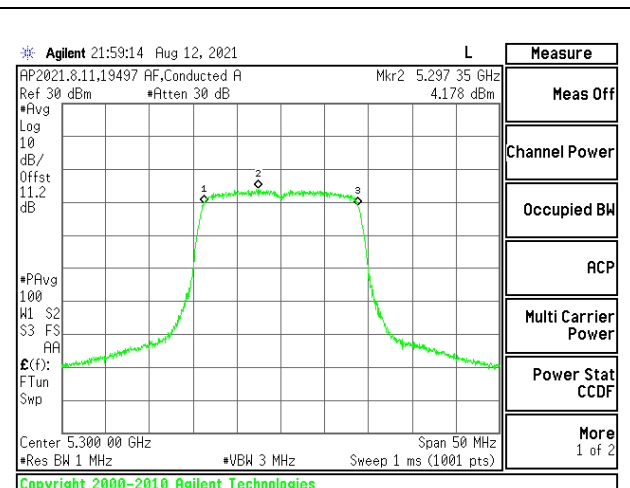
| Channel | Frequency (MHz) | Meas Power (dBm) | Total Corr'd Power (dBm) | Power Limit (dBm) | Power Margin (dB) |
|---------|--------------------|------------------------|-----------------------------------|-------------------------|-------------------------|
| Low | 5260 | 14.75 | 14.75 | 24.00 | -9.25 |
| Mid | 5300 | 14.67 | 14.67 | 24.00 | -9.33 |
| High | 5320 | 14.60 | 14.60 | 24.00 | -9.40 |

PSD Results

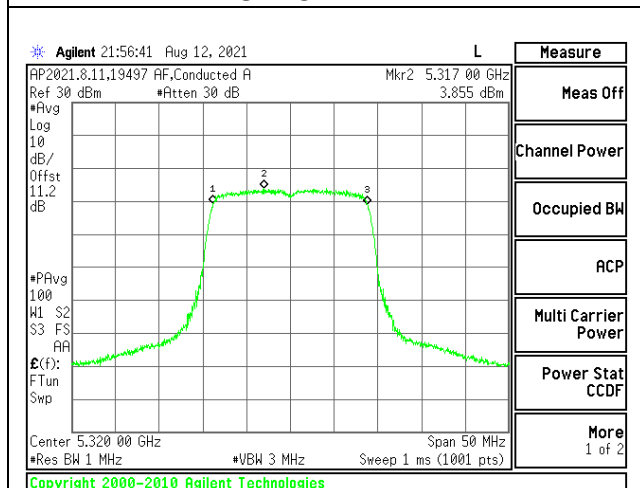
| Channel | Frequency (MHz) | Meas PSD (dBm/1MHz) | Total Corr'd PSD (dBm/1MHz) | PSD Limit (dBm/1MHz) | PSD Margin (dB) |
|---------|--------------------|---------------------------|--------------------------------------|----------------------------|-----------------------|
| Low | 5260 | 3.89 | 3.89 | 11.00 | -7.11 |
| Mid | 5300 | 4.18 | 4.18 | 11.00 | -6.82 |
| High | 5320 | 3.86 | 3.86 | 11.00 | -7.15 |



LOW CHANNEL



MID CHANNEL



HIGH CHANNEL

Intentionally left blank

1TX Antenna 1 MODE (IC)

| | |
|-----------------------|----------|
| Test Engineer: | 16080 ZS |
| Test Date: | 8/17/21 |

Bandwidth, Antenna Gain, and Limits

| Channel | Frequency (MHz) | Min 99% BW (MHz) | Directional Gain (dBi) | Power Limit (dBm) | PSD Limit (dBm/1MHz) |
|---------|--------------------|---------------------------|------------------------------|-------------------------|----------------------------|
| Low | 5260 | 17.624 | 3.30 | 23.46 | 11.00 |
| Mid | 5300 | 17.566 | 3.30 | 23.45 | 11.00 |
| High | 5320 | 17.578 | 3.30 | 23.45 | 11.00 |

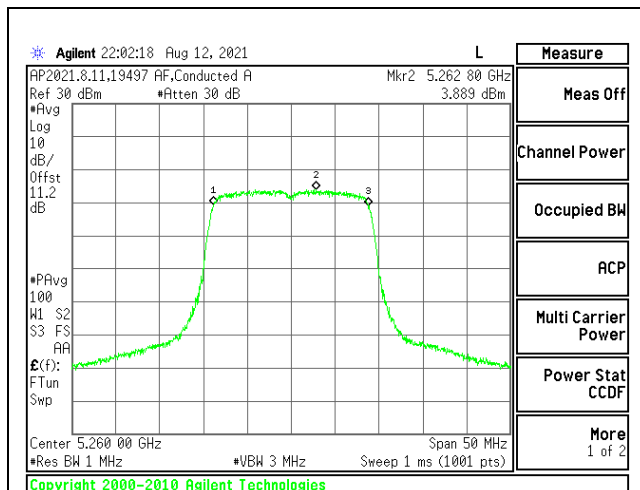
| | | |
|---------------------------|------|---|
| Duty Cycle CF (dB) | 0.00 | Included in Calculations of Corr'd PSD |
|---------------------------|------|---|

Output Power Results

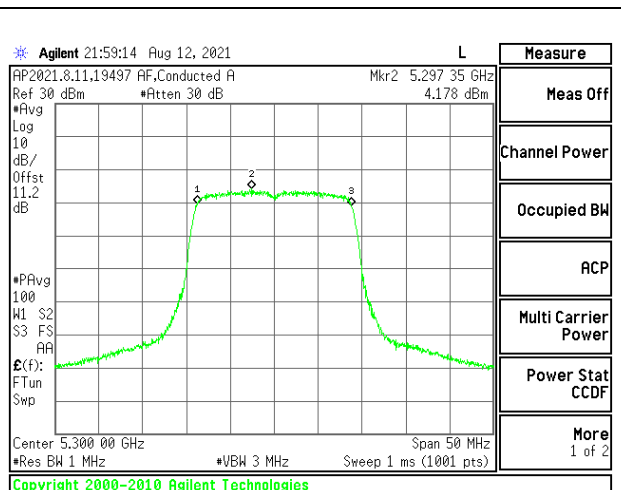
| Channel | Frequency (MHz) | Meas Power (dBm) | Total Corr'd Power (dBm) | Power Limit (dBm) | Power Margin (dB) |
|---------|--------------------|------------------------|-----------------------------------|-------------------------|-------------------------|
| Low | 5260 | 14.75 | 14.75 | 23.46 | -8.71 |
| Mid | 5300 | 14.67 | 14.67 | 23.45 | -8.78 |
| High | 5320 | 14.60 | 14.60 | 23.45 | -8.85 |

PSD Results

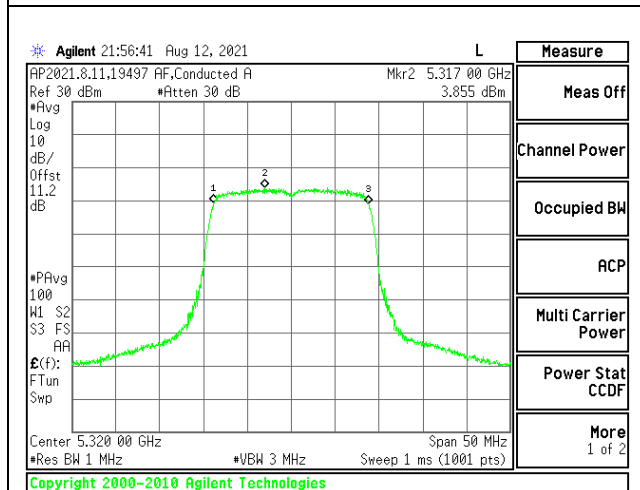
| Channel | Frequency (MHz) | Meas PSD (dBm/1MHz) | Total Corr'd PSD (dBm/1MHz) | PSD Limit (dBm/1MHz) | PSD Margin (dB) |
|---------|--------------------|---------------------------|--------------------------------------|----------------------------|-----------------------|
| Low | 5260 | 3.89 | 3.89 | 11.00 | -7.11 |
| Mid | 5300 | 4.18 | 4.18 | 11.00 | -6.82 |
| High | 5320 | 3.86 | 3.86 | 11.00 | -7.15 |



LOW CHANNEL



MID CHANNEL



HIGH CHANNEL

Intentionally left blank

1TX Antenna 2 MODE (FCC)

| | |
|-----------------------|----------|
| Test Engineer: | 16080 ZS |
| Test Date: | 8/17/21 |

Bandwidth, Antenna Gain, and Limits

| Channel | Frequency (MHz) | Min 26 dB BW (MHz) | Directional Gain (dBi) | Power Limit (dBm) | PSD Limit (dBm/1MHz) |
|---------|--------------------|-----------------------------|------------------------------|-------------------------|----------------------------|
| Low | 5260 | 20.65 | 2.90 | 24.00 | 11.00 |
| Mid | 5300 | 20.65 | 2.90 | 24.00 | 11.00 |
| High | 5320 | 20.70 | 2.90 | 24.00 | 11.00 |

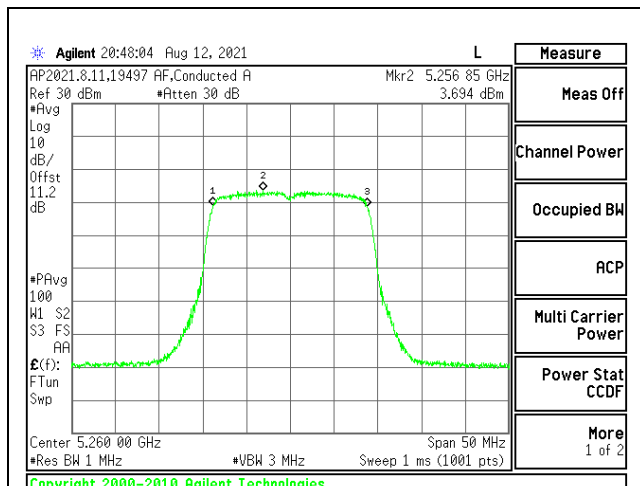
| | | |
|---------------------------|------|---|
| Duty Cycle CF (dB) | 0.00 | Included in Calculations of Corr'd PSD |
|---------------------------|------|---|

Output Power Results

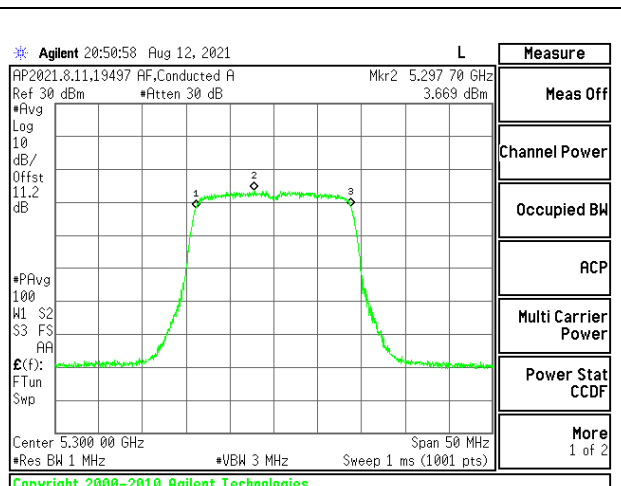
| Channel | Frequency (MHz) | Meas Power (dBm) | Total Corr'd Power (dBm) | Power Limit (dBm) | Power Margin (dB) |
|---------|--------------------|------------------------|-----------------------------------|-------------------------|-------------------------|
| Low | 5260 | 13.72 | 13.72 | 24.00 | -10.28 |
| Mid | 5300 | 13.97 | 13.97 | 24.00 | -10.03 |
| High | 5320 | 13.85 | 13.85 | 24.00 | -10.15 |

PSD Results

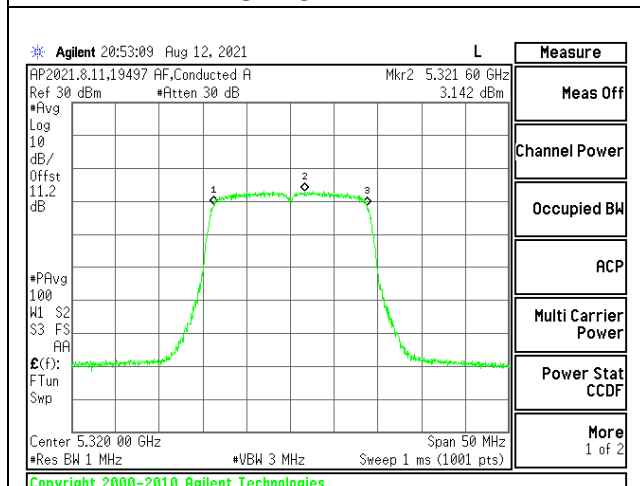
| Channel | Frequency (MHz) | Meas PSD (dBm/1MHz) | Total Corr'd PSD (dBm/1MHz) | PSD Limit (dBm/1MHz) | PSD Margin (dB) |
|---------|--------------------|---------------------------|--------------------------------------|----------------------------|-----------------------|
| Low | 5260 | 3.69 | 3.69 | 11.00 | -7.31 |
| Mid | 5300 | 3.67 | 3.67 | 11.00 | -7.33 |
| High | 5320 | 3.14 | 3.14 | 11.00 | -7.86 |



LOW CHANNEL



MID CHANNEL



HIGH CHANNEL

Intentionally left blank

1TX Antenna 2 MODE (IC)

| | |
|-----------------------|----------|
| Test Engineer: | 16080 ZS |
| Test Date: | 8/17/21 |

Bandwidth, Antenna Gain, and Limits

| Channel | Frequency (MHz) | Min 99% BW (MHz) | Directional Gain (dBi) | Power Limit (dBm) | PSD Limit (dBm/1MHz) |
|---------|--------------------|---------------------------|------------------------------|-------------------------|----------------------------|
| Low | 5260 | 17.570 | 2.90 | 23.45 | 11.00 |
| Mid | 5300 | 17.609 | 2.90 | 23.46 | 11.00 |
| High | 5320 | 17.552 | 2.90 | 23.44 | 11.00 |

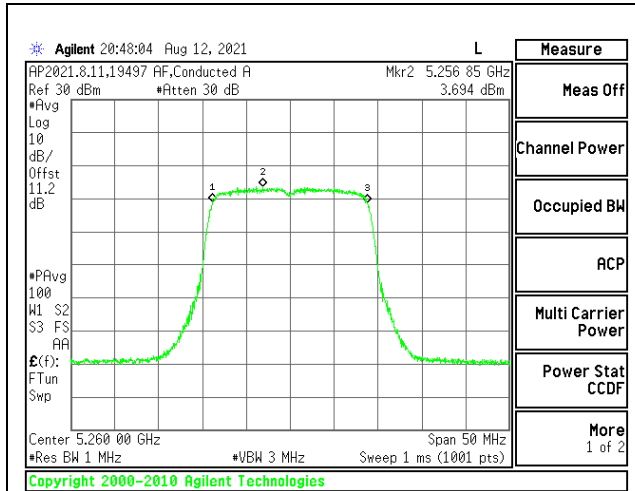
| | | |
|---------------------------|------|---|
| Duty Cycle CF (dB) | 0.00 | Included in Calculations of Corr'd PSD |
|---------------------------|------|---|

Output Power Results

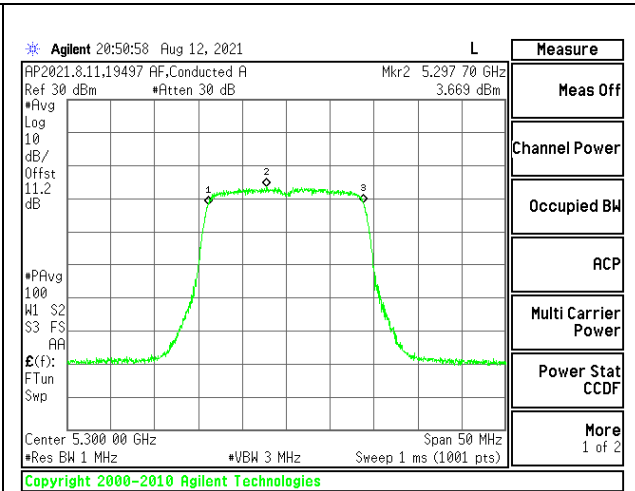
| Channel | Frequency (MHz) | Meas Power (dBm) | Total Corr'd Power (dBm) | Power Limit (dBm) | Power Margin (dB) |
|---------|--------------------|------------------------|-----------------------------------|-------------------------|-------------------------|
| Low | 5260 | 13.72 | 13.72 | 23.45 | -9.73 |
| Mid | 5300 | 13.97 | 13.97 | 23.46 | -9.49 |
| High | 5320 | 13.85 | 13.85 | 23.44 | -9.59 |

PSD Results

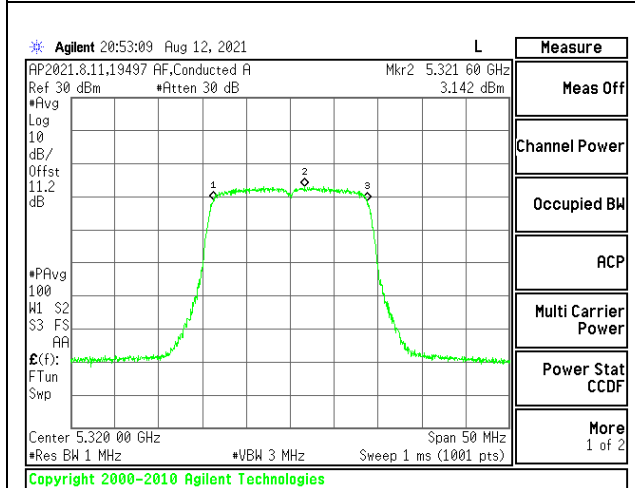
| Channel | Frequency (MHz) | Meas PSD (dBm/1MHz) | Total Corr'd PSD (dBm/1MHz) | PSD Limit (dBm/1MHz) | PSD Margin (dB) |
|---------|--------------------|---------------------------|--------------------------------------|----------------------------|-----------------------|
| Low | 5260 | 3.69 | 3.69 | 11.00 | -7.31 |
| Mid | 5300 | 3.67 | 3.67 | 11.00 | -7.33 |
| High | 5320 | 3.14 | 3.14 | 11.00 | -7.86 |



LOW CHANNEL



MID CHANNEL



HIGH CHANNEL

Intentionally left blank

2TX Antenna 1 + Antenna 2 CDD MODE (FCC)

| | |
|-----------------------|----------|
| Test Engineer: | 16080 ZS |
| Test Date: | 8/17/21 |

Bandwidth, Antenna Gain, and Limits

| Channel | Frequency (MHz) | Min 26 dB BW (MHz) | Directional Gain for Power (dBi) | Directional Gain for PSD (dBi) | Power Limit (dBm) | PSD Limit (dBm/1MHz) |
|---------|--------------------|-----------------------------|---|---|-------------------------|----------------------------|
| Low | 5260 | 20.60 | 3.10 | 6.11 | 24.00 | 10.89 |
| Mid | 5300 | 20.55 | 3.10 | 6.11 | 24.00 | 10.89 |
| High | 5320 | 20.55 | 3.10 | 6.11 | 24.00 | 10.89 |

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

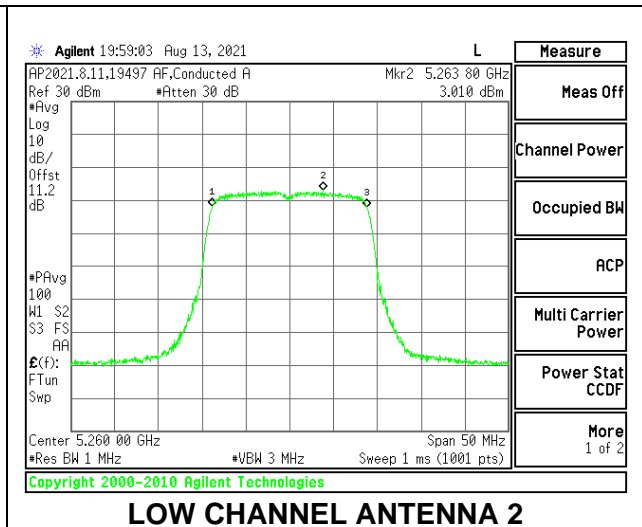
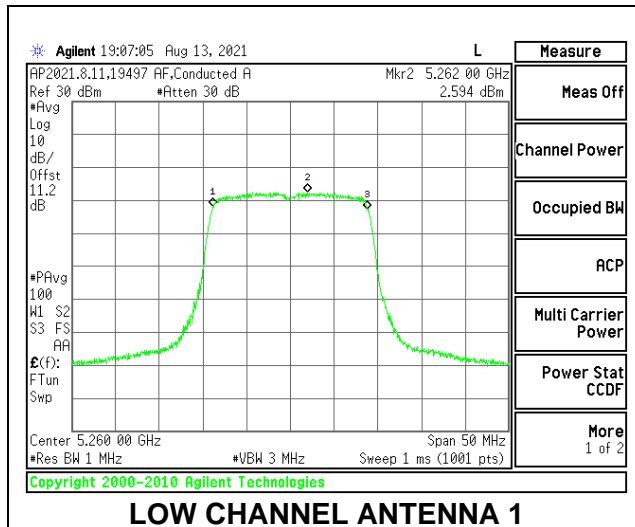
Output Power Results

| Channel | Frequency (MHz) | Antenna 1 Meas Power (dBm) | Antenna 2 Meas Power (dBm) | Total Corr'd Power (dBm) | Power Limit (dBm) | Power Margin (dB) |
|---------|--------------------|-------------------------------------|-------------------------------------|-----------------------------------|-------------------------|-------------------------|
| Low | 5260 | 13.54 | 13.74 | 16.65 | 24.00 | -7.35 |
| Mid | 5300 | 13.02 | 13.49 | 16.27 | 24.00 | -7.73 |
| High | 5320 | 13.14 | 13.16 | 16.16 | 24.00 | -7.84 |

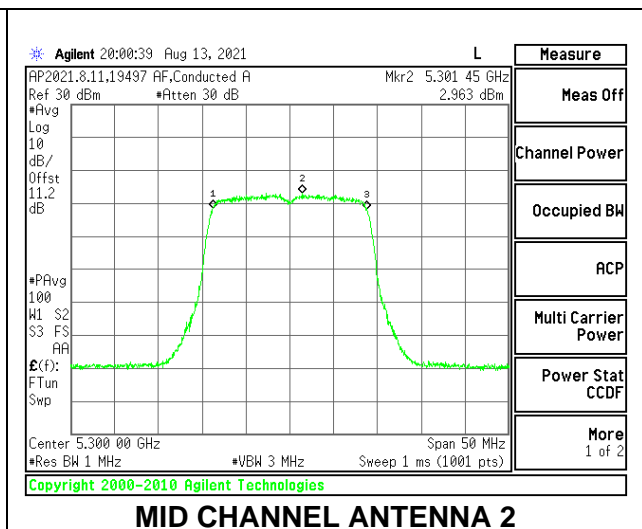
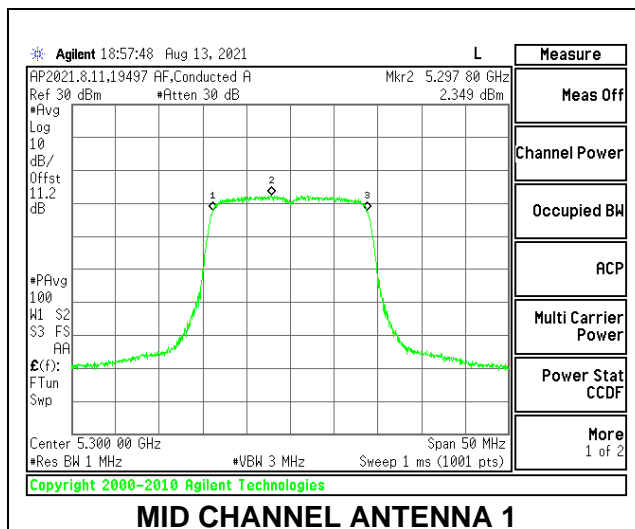
PSD Results

| Channel | Frequency (MHz) | Antenna 1 Meas PSD (dBm/1MHz) | Antenna 2 Meas PSD (dBm/1MHz) | Total Corr'd PSD (dBm/1MHz) | PSD Limit (dBm/1MHz) | PSD Margin (dB) |
|---------|--------------------|--|--|--------------------------------------|----------------------------|-----------------------|
| Low | 5260 | 2.59 | 3.01 | 5.82 | 10.89 | -5.07 |
| Mid | 5300 | 2.35 | 2.96 | 5.68 | 10.89 | -5.21 |
| High | 5320 | 2.71 | 2.80 | 5.77 | 10.89 | -5.12 |

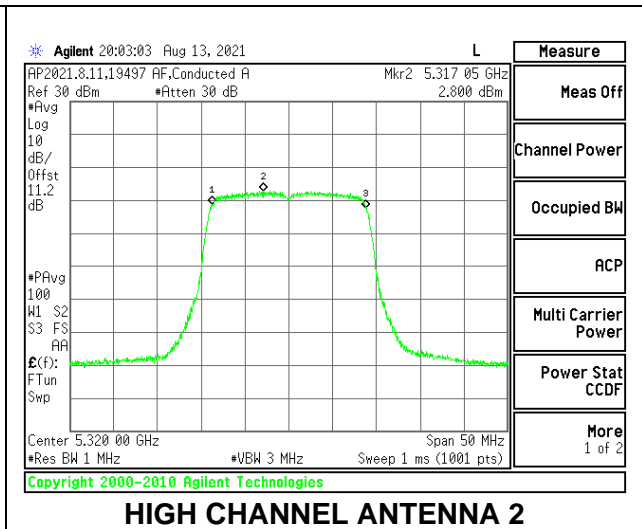
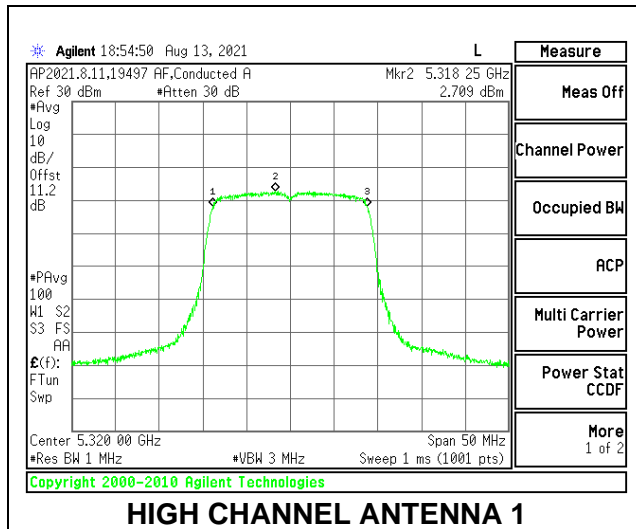
LOW CHANNEL



MID CHANNEL



HIGH CHANNEL



2TX Antenna 1 + Antenna 2 CDD MODE (IC)

| | |
|-----------------------|----------|
| Test Engineer: | 16080 ZS |
| Test Date: | 8/17/21 |

Bandwidth, Antenna Gain, and Limits

| Channel | Frequency (MHz) | Min 99% BW (MHz) | Directional Gain for Power (dBi) | Directional Gain for PSD (dBi) | Power Limit (dBm) | PSD Limit (dBm/1MHz) |
|---------|--------------------|---------------------------|---|---|-------------------------|----------------------------|
| Low | 5260 | 17.562 | 3.10 | 6.11 | 23.45 | 11.00 |
| Mid | 5300 | 17.577 | 3.10 | 6.11 | 23.45 | 11.00 |
| High | 5320 | 17.565 | 3.10 | 6.11 | 23.45 | 11.00 |

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

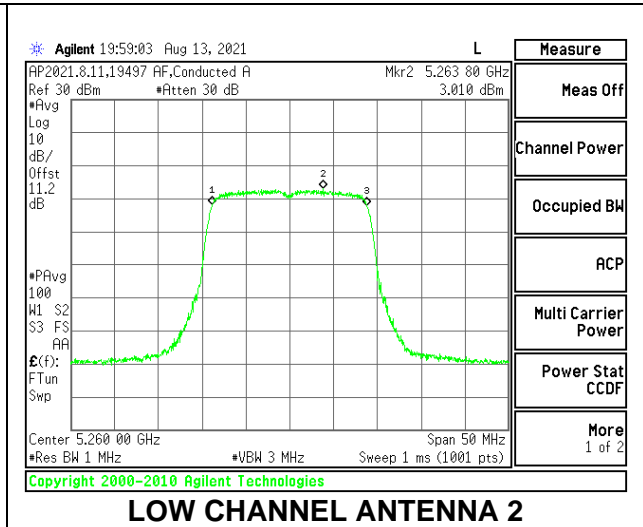
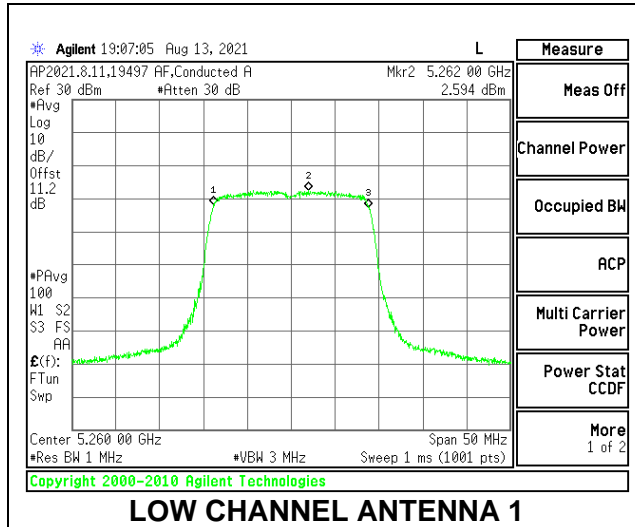
Output Power Results

| Channel | Frequency (MHz) | Antenna 1 Meas Power (dBm) | Antenna 2 Meas Power (dBm) | Total Corr'd Power (dBm) | Power Limit (dBm) | Power Margin (dB) |
|---------|--------------------|-------------------------------------|-------------------------------------|-----------------------------------|-------------------------|-------------------------|
| Low | 5260 | 13.54 | 13.74 | 16.65 | 23.45 | -6.79 |
| Mid | 5300 | 13.02 | 13.49 | 16.27 | 23.45 | -7.18 |
| High | 5320 | 13.14 | 13.16 | 16.16 | 23.45 | -7.29 |

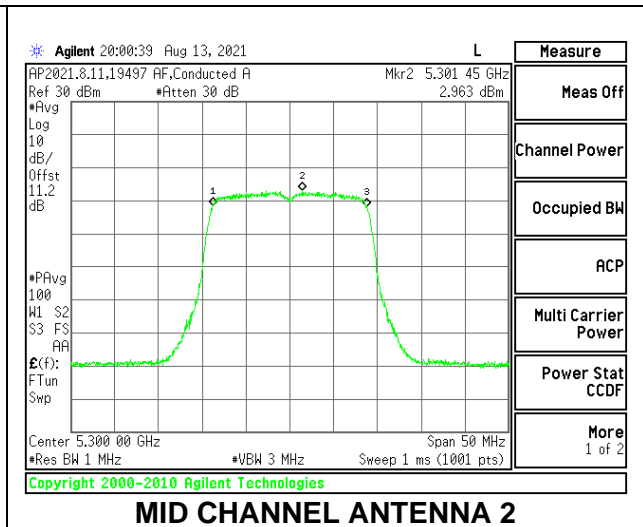
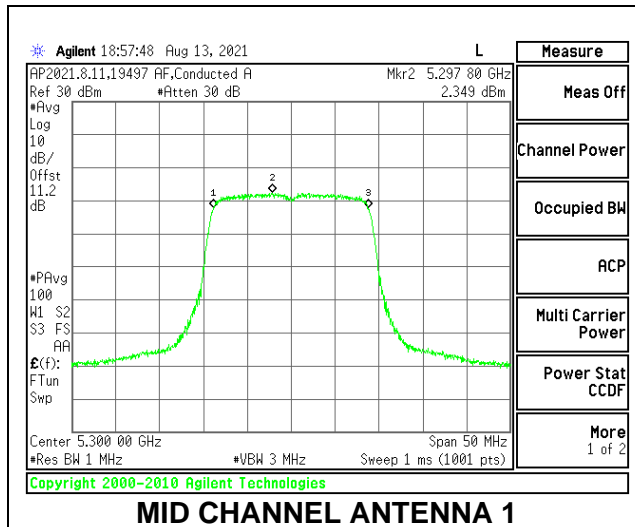
PSD Results

| Channel | Frequency (MHz) | Antenna 1 Meas PSD (dBm/1MHz) | Antenna 2 Meas PSD (dBm/1MHz) | Total Corr'd PSD (dBm/1MHz) | PSD Limit (dBm/1MHz) | PSD Margin (dB) |
|---------|--------------------|--|--|--------------------------------------|----------------------------|-----------------------|
| Low | 5260 | 2.59 | 3.01 | 5.82 | 11.00 | -5.18 |
| Mid | 5300 | 2.35 | 2.96 | 5.68 | 11.00 | -5.32 |
| High | 5320 | 2.71 | 2.80 | 5.77 | 11.00 | -5.23 |

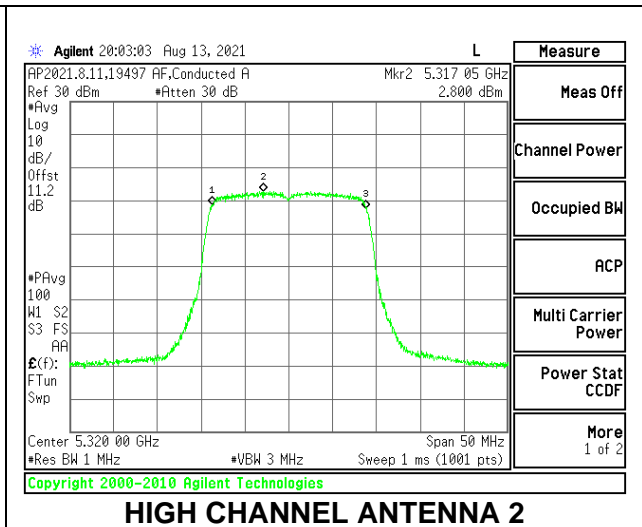
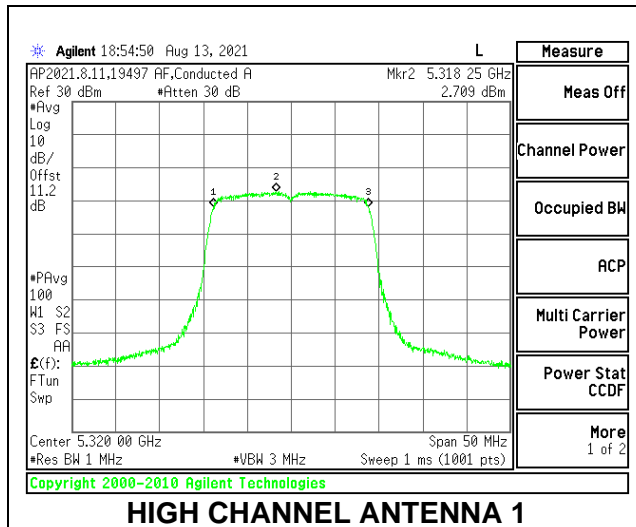
LOW CHANNEL



MID CHANNEL



HIGH CHANNEL



9.5.7. 802.11n HT40 MODE IN THE 5.3 GHz BAND

1TX Antenna 1 MODE (FCC)

| | |
|-----------------------|----------|
| Test Engineer: | 16080 ZS |
| Test Date: | 8/17/21 |

Bandwidth, Antenna Gain, and Limits

| Channel | Frequency (MHz) | Min 26 dB BW (MHz) | Directional Gain (dBi) | Power Limit (dBm) | PSD Limit (dBm/1MHz) |
|---------|--------------------|-----------------------------|------------------------------|-------------------------|----------------------------|
| Low | 5270 | 40.70 | 3.30 | 24.00 | 11.00 |
| High | 5310 | 40.60 | 3.30 | 24.00 | 11.00 |

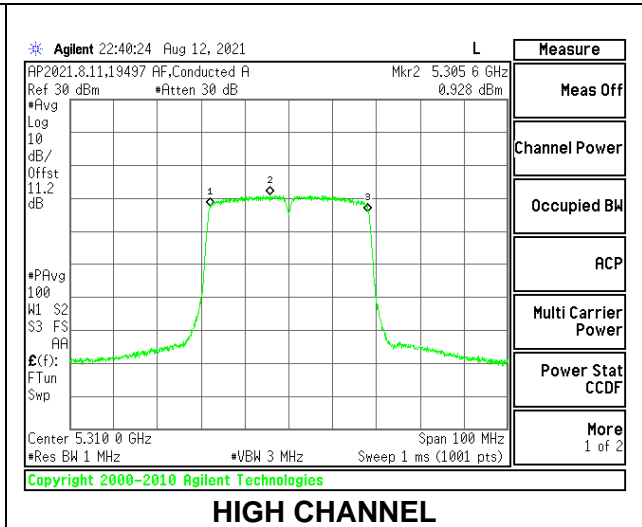
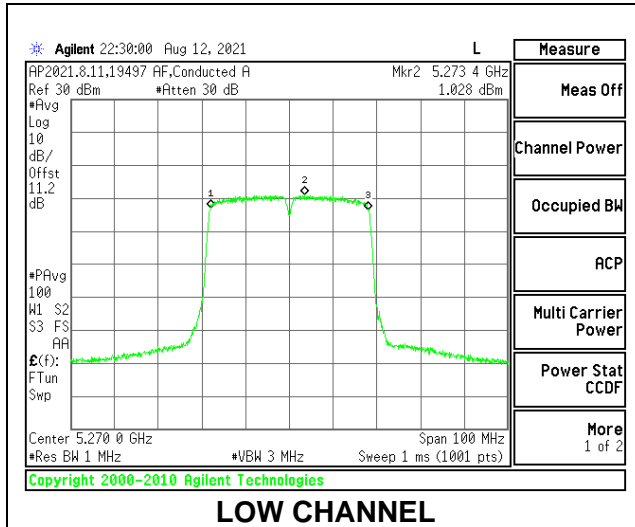
| | | |
|---------------------------|------|---|
| Duty Cycle CF (dB) | 0.00 | Included in Calculations of Corr'd PSD |
|---------------------------|------|---|

Output Power Results

| Channel | Frequency (MHz) | Meas Power (dBm) | Total Corr'd Power (dBm) | Power Limit (dBm) | Power Margin (dB) |
|---------|--------------------|------------------------|-----------------------------------|-------------------------|-------------------------|
| Low | 5270 | 14.85 | 14.85 | 24.00 | -9.15 |
| High | 5310 | 14.93 | 14.93 | 24.00 | -9.07 |

PSD Results

| Channel | Frequency (MHz) | Meas PSD (dBm/1MHz) | Total Corr'd PSD (dBm/1MHz) | PSD Limit (dBm/1MHz) | PSD Margin (dB) |
|---------|--------------------|---------------------------|--------------------------------------|----------------------------|-----------------------|
| Low | 5270 | 1.03 | 1.03 | 11.00 | -9.97 |
| High | 5310 | 0.93 | 0.93 | 11.00 | -10.07 |



1TX Antenna 1 MODE (IC)

| | |
|-----------------------|----------|
| Test Engineer: | 16080 ZS |
| Test Date: | 8/17/21 |

Bandwidth, Antenna Gain, and Limits

| Channel | Frequency (MHz) | Min 99% BW (MHz) | Directional Gain (dBi) | Power Limit (dBm) | PSD Limit (dBm/1MHz) |
|---------|--------------------|---------------------------|------------------------------|-------------------------|----------------------------|
| Low | 5270 | 35.983 | 3.30 | 24.00 | 11.00 |
| High | 5310 | 36.017 | 3.30 | 24.00 | 11.00 |

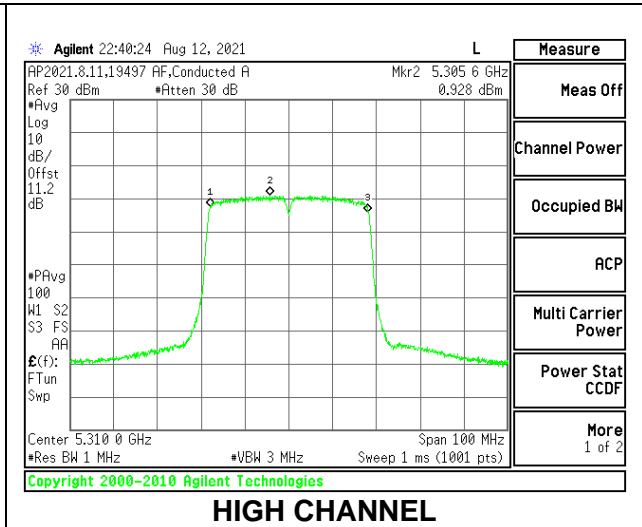
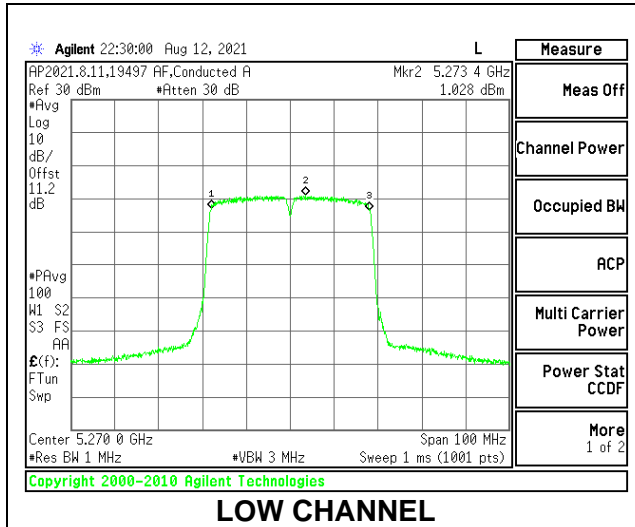
| | | |
|---------------------------|------|---|
| Duty Cycle CF (dB) | 0.00 | Included in Calculations of Corr'd PSD |
|---------------------------|------|---|

Output Power Results

| Channel | Frequency (MHz) | Meas Power (dBm) | Total Corr'd Power (dBm) | Power Limit (dBm) | Power Margin (dB) |
|---------|--------------------|------------------------|-----------------------------------|-------------------------|-------------------------|
| Low | 5270 | 14.85 | 14.85 | 24.00 | -9.15 |
| High | 5310 | 14.93 | 14.93 | 24.00 | -9.07 |

PSD Results

| Channel | Frequency (MHz) | Meas PSD (dBm/1MHz) | Total Corr'd PSD (dBm/1MHz) | PSD Limit (dBm/1MHz) | PSD Margin (dB) |
|---------|--------------------|---------------------------|--------------------------------------|----------------------------|-----------------------|
| Low | 5270 | 1.03 | 1.03 | 11.00 | -9.97 |
| High | 5310 | 0.93 | 0.93 | 11.00 | -10.07 |



1TX Antenna 2 MODE (FCC)

| | |
|-----------------------|----------|
| Test Engineer: | 16080 ZS |
| Test Date: | 8/17/21 |

Bandwidth, Antenna Gain, and Limits

| Channel | Frequency (MHz) | Min 26 dB BW (MHz) | Directional Gain (dBi) | Power Limit (dBm) | PSD Limit (dBm/1MHz) |
|---------|--------------------|-----------------------------|------------------------------|-------------------------|----------------------------|
| Low | 5270 | 40.60 | 2.90 | 24.00 | 11.00 |
| High | 5310 | 40.60 | 2.90 | 24.00 | 11.00 |

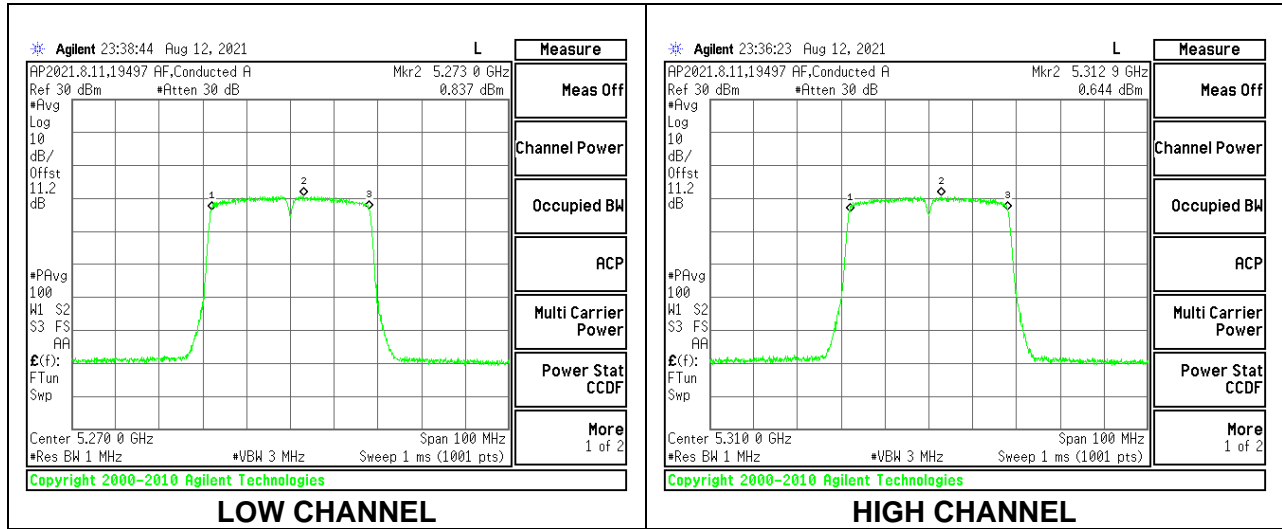
| | | |
|---------------------------|------|---|
| Duty Cycle CF (dB) | 0.00 | Included in Calculations of Corr'd PSD |
|---------------------------|------|---|

Output Power Results

| Channel | Frequency (MHz) | Meas Power (dBm) | Total Corr'd Power (dBm) | Power Limit (dBm) | Power Margin (dB) |
|---------|--------------------|------------------------|-----------------------------------|-------------------------|-------------------------|
| Low | 5270 | 13.80 | 13.80 | 24.00 | -10.20 |
| High | 5310 | 13.91 | 13.91 | 24.00 | -10.09 |

PSD Results

| Channel | Frequency (MHz) | Meas PSD (dBm/1MHz) | Total Corr'd PSD (dBm/1MHz) | PSD Limit (dBm/1MHz) | PSD Margin (dB) |
|---------|--------------------|---------------------------|--------------------------------------|----------------------------|-----------------------|
| Low | 5270 | 0.84 | 0.84 | 11.00 | -10.16 |
| High | 5310 | 0.64 | 0.64 | 11.00 | -10.36 |



1TX Antenna 2 MODE (IC)

| | |
|-----------------------|----------|
| Test Engineer: | 16080 ZS |
| Test Date: | 8/17/21 |

Bandwidth, Antenna Gain, and Limits

| Channel | Frequency (MHz) | Min 99% BW (MHz) | Directional Gain (dBi) | Power Limit (dBm) | PSD Limit (dBm/1MHz) |
|---------|--------------------|---------------------------|------------------------------|-------------------------|----------------------------|
| Low | 5270 | 35.958 | 2.90 | 24.00 | 11.00 |
| High | 5310 | 36.027 | 2.90 | 24.00 | 11.00 |

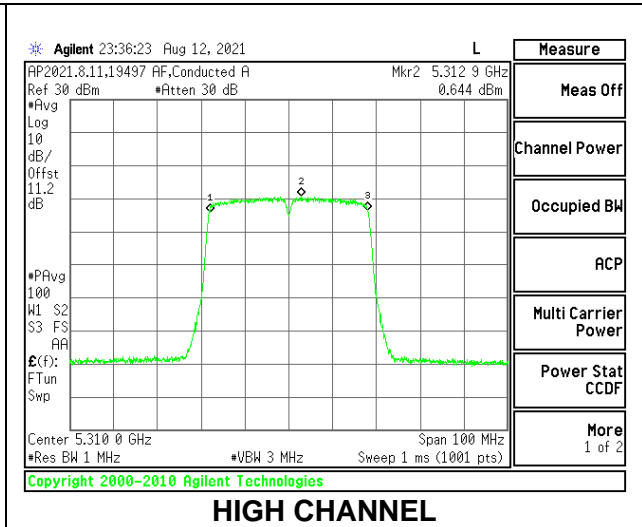
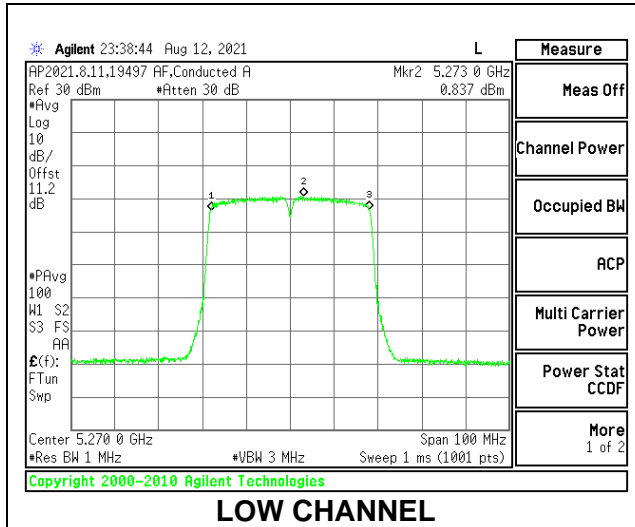
| | | |
|---------------------------|------|---|
| Duty Cycle CF (dB) | 0.00 | Included in Calculations of Corr'd PSD |
|---------------------------|------|---|

Output Power Results

| Channel | Frequency (MHz) | Meas Power (dBm) | Total Corr'd Power (dBm) | Power Limit (dBm) | Power Margin (dB) |
|---------|--------------------|------------------------|-----------------------------------|-------------------------|-------------------------|
| Low | 5270 | 13.80 | 13.80 | 24.00 | -10.20 |
| High | 5310 | 13.91 | 13.91 | 24.00 | -10.09 |

PSD Results

| Channel | Frequency (MHz) | Meas PSD (dBm/1MHz) | Total Corr'd PSD (dBm/1MHz) | PSD Limit (dBm/1MHz) | PSD Margin (dB) |
|---------|--------------------|---------------------------|--------------------------------------|----------------------------|-----------------------|
| Low | 5270 | 0.84 | 0.84 | 11.00 | -10.16 |
| High | 5310 | 0.64 | 0.64 | 11.00 | -10.36 |



2TX Antenna 1 + Antenna 2 CDD MODE (FCC)

| | |
|-----------------------|----------|
| Test Engineer: | 16080 ZS |
| Test Date: | 8/17/21 |

Bandwidth, Antenna Gain, and Limits

| Channel | Frequency (MHz) | Min 26 dB BW (MHz) | Directional Gain for Power (dBi) | Directional Gain for PSD (dBi) | Power Limit (dBm) | PSD Limit (dBm/1MHz) |
|---------|--------------------|-----------------------------|---|---|-------------------------|----------------------------|
| Low | 5270 | 40.20 | 3.10 | 6.11 | 24.00 | 10.89 |
| High | 5310 | 40.10 | 3.10 | 6.11 | 24.00 | 10.89 |

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

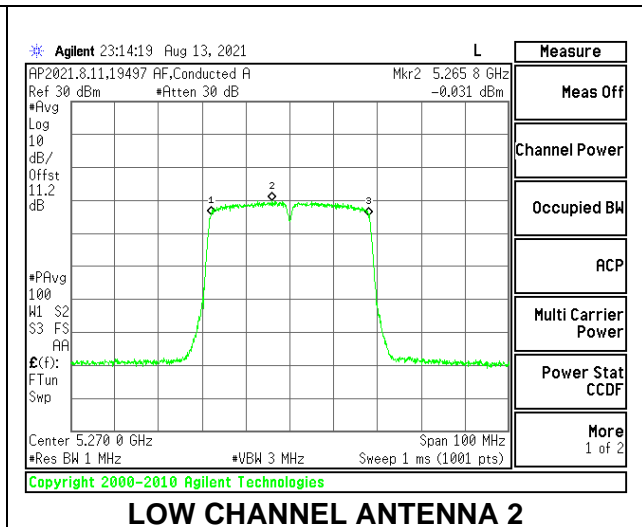
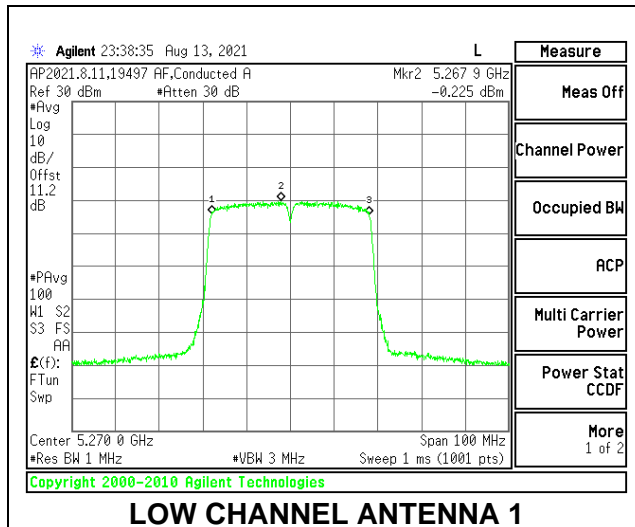
Output Power Results

| Channel | Frequency (MHz) | Antenna 1 Meas Power (dBm) | Antenna 2 Meas Power (dBm) | Total Corr'd Power (dBm) | Power Limit (dBm) | Power Margin (dB) |
|---------|--------------------|-------------------------------------|-------------------------------------|-----------------------------------|-------------------------|-------------------------|
| Low | 5270 | 12.75 | 13.72 | 16.27 | 24.00 | -7.73 |
| High | 5310 | 13.15 | 13.04 | 16.11 | 24.00 | -7.89 |

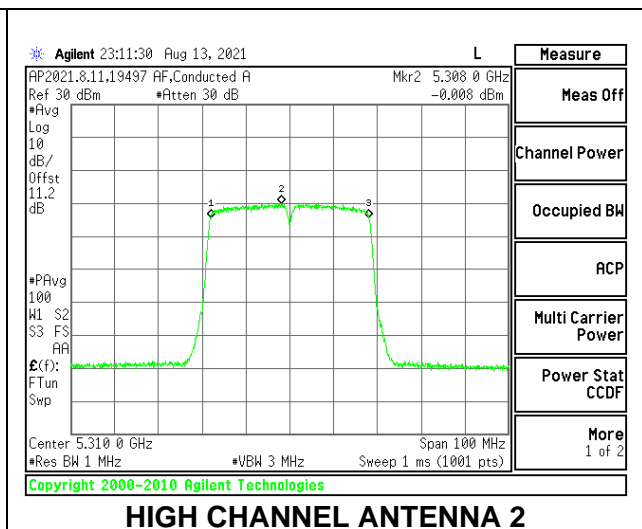
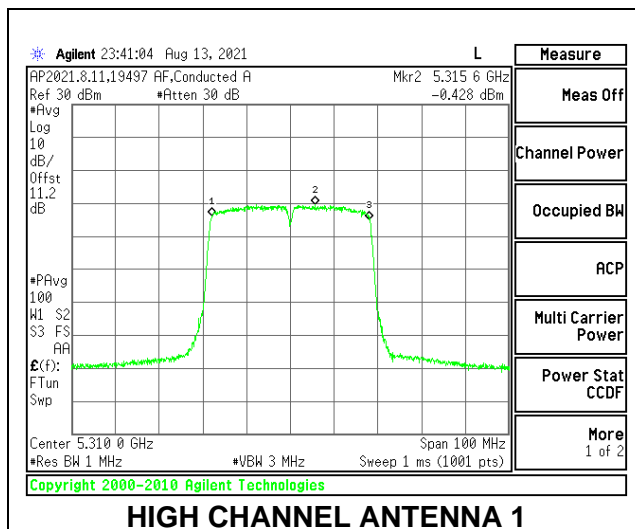
PSD Results

| Channel | Frequency (MHz) | Antenna 1 Meas PSD (dBm/1MHz) | Antenna 2 Meas PSD (dBm/1MHz) | Total Corr'd PSD (dBm/1MHz) | PSD Limit (dBm/1MHz) | PSD Margin (dB) |
|---------|--------------------|--|--|--------------------------------------|----------------------------|-----------------------|
| Low | 5270 | -0.23 | -0.03 | 2.88 | 10.89 | -8.01 |
| High | 5310 | -0.43 | -0.01 | 2.80 | 10.89 | -8.09 |

LOW CHANNEL



HIGH CHANNEL



2TX Antenna 1 + Antenna 2 CDD MODE (IC)

| | |
|-----------------------|----------|
| Test Engineer: | 16080 ZS |
| Test Date: | 8/17/21 |

Bandwidth, Antenna Gain, and Limits

| Channel | Frequency (MHz) | Min 99% BW (MHz) | Directional Gain for Power (dBi) | Directional Gain for PSD (dBi) | Power Limit (dBm) | PSD Limit (dBm/1MHz) |
|---------|--------------------|---------------------------|---|---|-------------------------|----------------------------|
| Low | 5270 | 35.991 | 3.10 | 6.11 | 24.00 | 11.00 |
| High | 5310 | 36.000 | 3.10 | 6.11 | 24.00 | 11.00 |

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

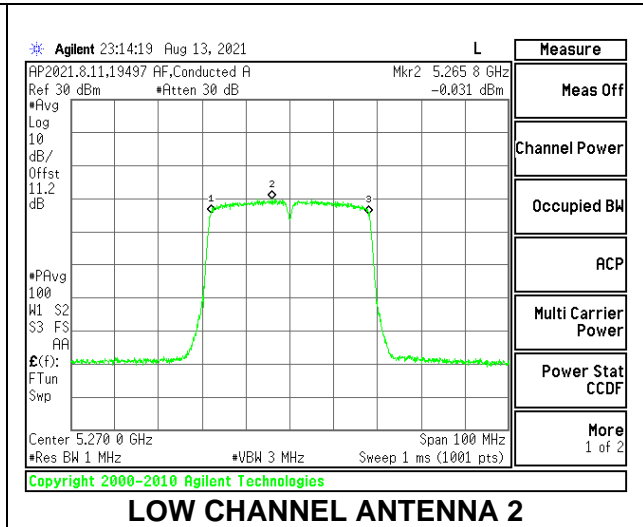
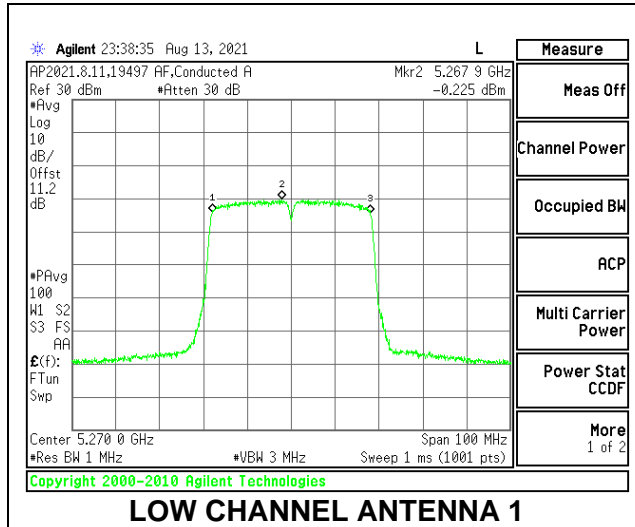
Output Power Results

| Channel | Frequency (MHz) | Antenna 1 Meas Power (dBm) | Antenna 2 Meas Power (dBm) | Total Corr'd Power (dBm) | Power Limit (dBm) | Power Margin (dB) |
|---------|--------------------|-------------------------------------|-------------------------------------|-----------------------------------|-------------------------|-------------------------|
| Low | 5270 | 12.75 | 13.72 | 16.27 | 24.00 | -7.73 |
| High | 5310 | 13.15 | 13.04 | 16.11 | 24.00 | -7.89 |

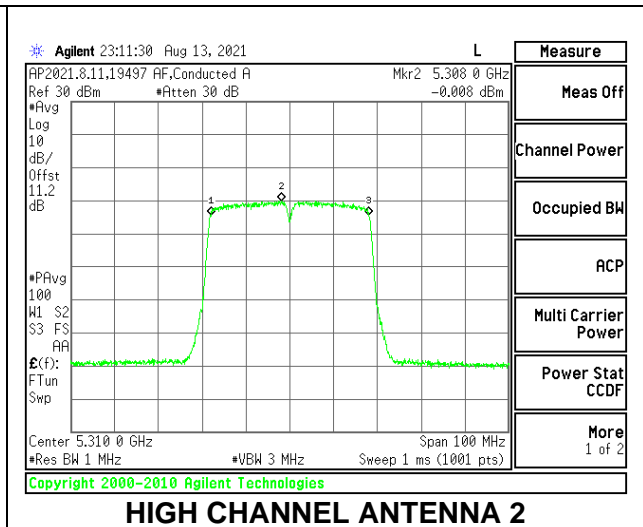
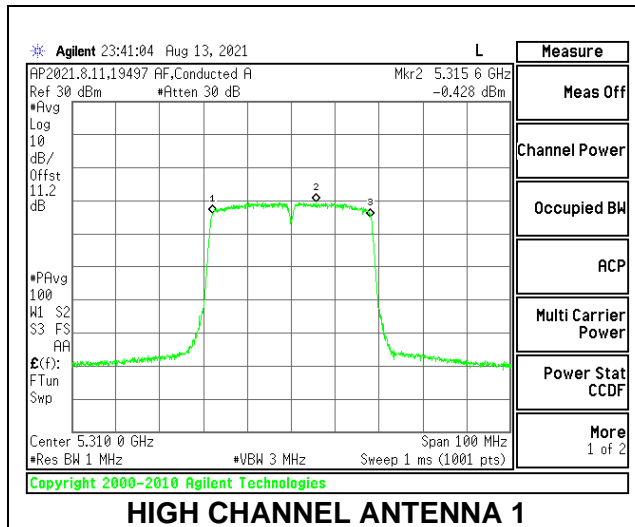
PSD Results

| Channel | Frequency (MHz) | Antenna 1 Meas PSD (dBm/1MHz) | Antenna 2 Meas PSD (dBm/1MHz) | Total Corr'd PSD (dBm/1MHz) | PSD Limit (dBm/1MHz) | PSD Margin (dB) |
|---------|--------------------|--|--|--------------------------------------|----------------------------|-----------------------|
| Low | 5270 | -0.23 | -0.03 | 2.88 | 11.00 | -8.12 |
| High | 5310 | -0.43 | -0.01 | 2.80 | 11.00 | -8.20 |

LOW CHANNEL



HIGH CHANNEL



9.5.8. 802.11ac VHT80 MODE IN THE 5.3 GHz BAND

1TX Antenna 1 MODE (FCC)

| | |
|-----------------------|----------|
| Test Engineer: | 16080 ZS |
| Test Date: | 8/17/21 |

Bandwidth, Antenna Gain, and Limits

| Channel | Frequency (MHz) | Min 26 dB BW (MHz) | Directional Gain (dBi) | Power Limit (dBm) | PSD Limit (dBm/1MHz) |
|---------|--------------------|-----------------------------|------------------------------|-------------------------|----------------------------|
| Mid | 5290 | 83.40 | 3.30 | 24.00 | 11.00 |

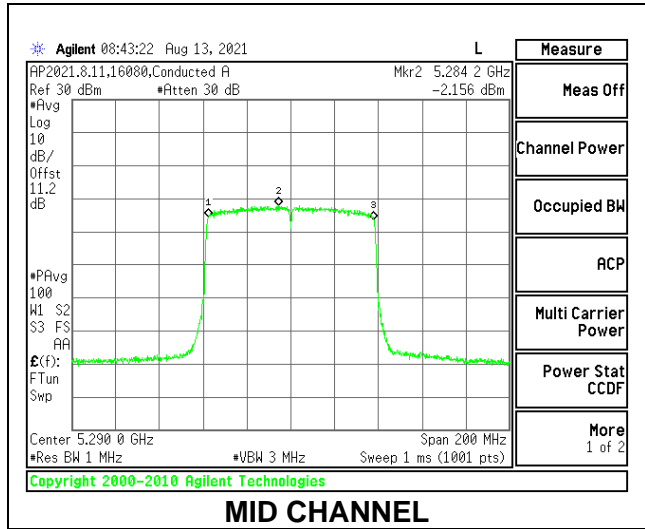
| | | |
|---------------------------|------|---|
| Duty Cycle CF (dB) | 0.00 | Included in Calculations of Corr'd PSD |
|---------------------------|------|---|

Output Power Results

| Channel | Frequency (MHz) | Meas Power (dBm) | Total Corr'd Power (dBm) | Power Limit (dBm) | Power Margin (dB) |
|---------|--------------------|------------------------|-----------------------------------|-------------------------|-------------------------|
| Mid | 5290 | 14.74 | 14.74 | 24.00 | -9.26 |

PSD Results

| Channel | Frequency (MHz) | Meas PSD (dBm/1MHz) | Total Corr'd PSD (dBm/1MHz) | PSD Limit (dBm/1MHz) | PSD Margin (dB) |
|---------|--------------------|---------------------------|--------------------------------------|----------------------------|-----------------------|
| Mid | 5290 | -2.16 | -2.16 | 11.00 | -13.16 |



1TX Antenna 1 MODE (IC)

| | |
|-----------------------|----------|
| Test Engineer: | 16080 ZS |
| Test Date: | 8/17/21 |

Bandwidth, Antenna Gain, and Limits

| Channel | Frequency (MHz) | Min 99% BW (MHz) | Directional Gain (dBi) | Power Limit (dBm) | PSD Limit (dBm/1MHz) |
|---------|--------------------|---------------------------|------------------------------|-------------------------|----------------------------|
| Mid | 5290 | 75.478 | 3.30 | 24.00 | 11.00 |

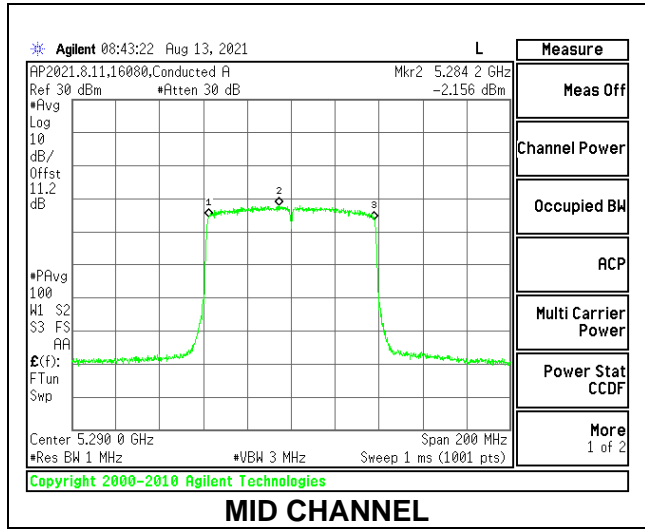
| | | |
|---------------------------|------|---|
| Duty Cycle CF (dB) | 0.00 | Included in Calculations of Corr'd PSD |
|---------------------------|------|---|

Output Power Results

| Channel | Frequency (MHz) | Meas Power (dBm) | Total Corr'd Power (dBm) | Power Limit (dBm) | Power Margin (dB) |
|---------|--------------------|------------------------|-----------------------------------|-------------------------|-------------------------|
| Mid | 5290 | 14.74 | 14.74 | 24.00 | -9.26 |

PSD Results

| Channel | Frequency (MHz) | Meas PSD (dBm/1MHz) | Total Corr'd PSD (dBm/1MHz) | PSD Limit (dBm/1MHz) | PSD Margin (dB) |
|---------|--------------------|---------------------------|--------------------------------------|----------------------------|-----------------------|
| Mid | 5290 | -2.16 | -2.16 | 11.00 | -13.16 |



1TX Antenna 2 MODE (FCC)

| | |
|-----------------------|----------|
| Test Engineer: | 16080 ZS |
| Test Date: | 8/17/21 |

Bandwidth, Antenna Gain, and Limits

| Channel | Frequency (MHz) | Min 26 dB BW (MHz) | Directional Gain (dBi) | Power Limit (dBm) | PSD Limit (dBm/1MHz) |
|---------|--------------------|-----------------------------|------------------------------|-------------------------|----------------------------|
| Mid | 5290 | 83.60 | 2.90 | 24.00 | 11.00 |

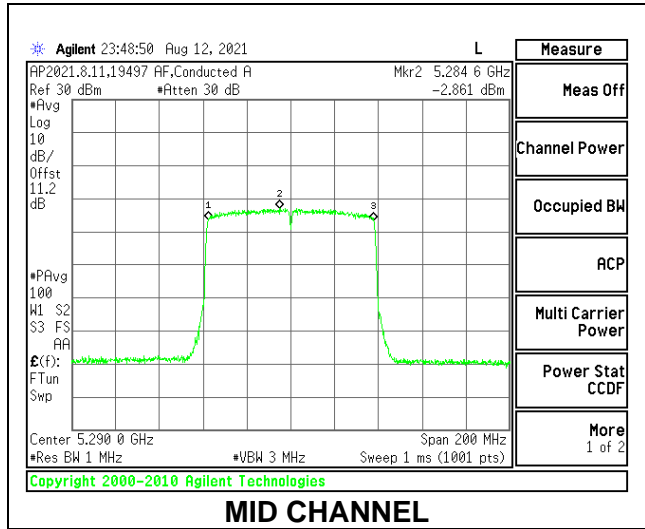
| | | |
|---------------------------|------|---|
| Duty Cycle CF (dB) | 0.00 | Included in Calculations of Corr'd PSD |
|---------------------------|------|---|

Output Power Results

| Channel | Frequency (MHz) | Meas Power (dBm) | Total Corr'd Power (dBm) | Power Limit (dBm) | Power Margin (dB) |
|---------|--------------------|------------------------|-----------------------------------|-------------------------|-------------------------|
| Mid | 5290 | 13.81 | 13.81 | 24.00 | -10.19 |

PSD Results

| Channel | Frequency (MHz) | Meas PSD (dBm/1MHz) | Total Corr'd PSD (dBm/1MHz) | PSD Limit (dBm/1MHz) | PSD Margin (dB) |
|---------|--------------------|---------------------------|--------------------------------------|----------------------------|-----------------------|
| Mid | 5290 | -2.86 | -2.86 | 11.00 | -13.86 |



1TX Antenna 2 MODE (IC)

| | |
|-----------------------|----------|
| Test Engineer: | 16080 ZS |
| Test Date: | 8/17/21 |

Bandwidth, Antenna Gain, and Limits

| Channel | Frequency (MHz) | Min 99% BW (MHz) | Directional Gain (dBi) | Power Limit (dBm) | PSD Limit (dBm/1MHz) |
|---------|--------------------|---------------------------|------------------------------|-------------------------|----------------------------|
| Mid | 5290 | 75.332 | 2.90 | 24.00 | 11.00 |

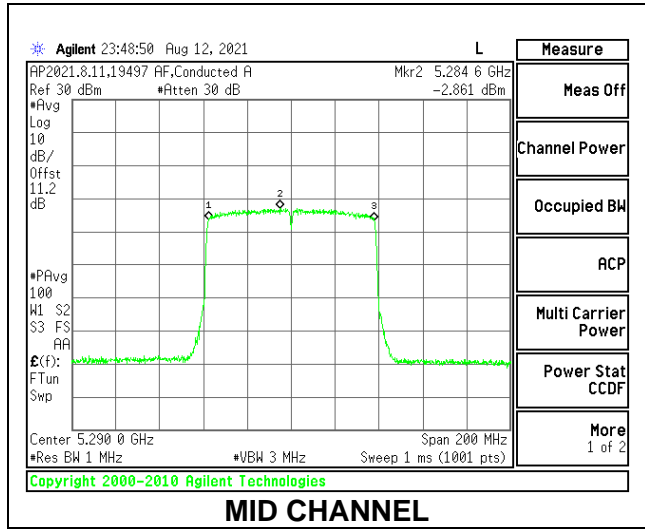
| | | |
|---------------------------|------|---|
| Duty Cycle CF (dB) | 0.00 | Included in Calculations of Corr'd PSD |
|---------------------------|------|---|

Output Power Results

| Channel | Frequency (MHz) | Meas Power (dBm) | Total Corr'd Power (dBm) | Power Limit (dBm) | Power Margin (dB) |
|---------|--------------------|------------------------|-----------------------------------|-------------------------|-------------------------|
| Mid | 5290 | 13.81 | 13.81 | 24.00 | -10.19 |

PSD Results

| Channel | Frequency (MHz) | Meas PSD (dBm/1MHz) | Total Corr'd PSD (dBm/1MHz) | PSD Limit (dBm/1MHz) | PSD Margin (dB) |
|---------|--------------------|---------------------------|--------------------------------------|----------------------------|-----------------------|
| Mid | 5290 | -2.86 | -2.86 | 11.00 | -13.86 |



2TX Antenna 1 + Antenna 2 CDD MODE (FCC)

| | |
|-----------------------|----------|
| Test Engineer: | 16080 ZS |
| Test Date: | 8/17/21 |

Bandwidth, Antenna Gain, and Limits

| Channel | Frequency (MHz) | Min 26 dB BW (MHz) | Directional Gain for Power (dBi) | Directional Gain for PSD (dBi) | Power Limit (dBm) | PSD Limit (dBm/1MHz) |
|---------|--------------------|-----------------------------|---|---|-------------------------|----------------------------|
| Mid | 5290 | 83.00 | 3.10 | 6.11 | 24.00 | 10.89 |

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

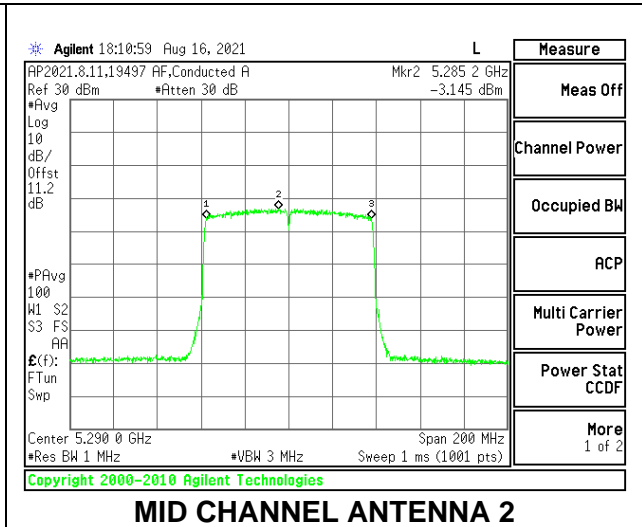
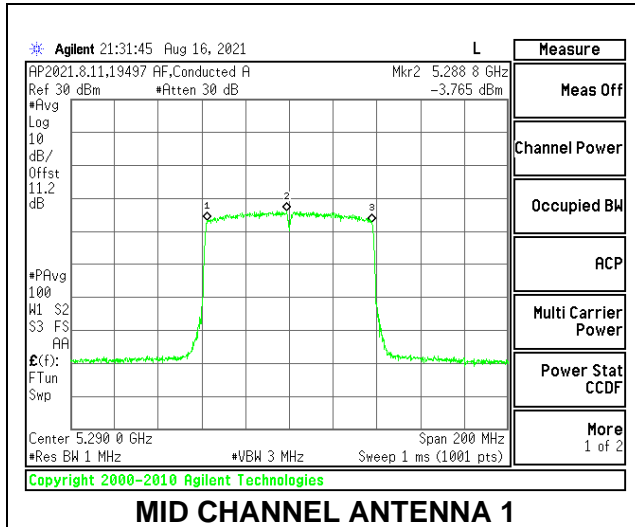
Output Power Results

| Channel | Frequency (MHz) | Antenna 1 Meas Power (dBm) | Antenna 2 Meas Power (dBm) | Total Corr'd Power (dBm) | Power Limit (dBm) | Power Margin (dB) |
|---------|--------------------|-------------------------------------|-------------------------------------|-----------------------------------|-------------------------|-------------------------|
| Mid | 5290 | 12.87 | 13.42 | 16.16 | 24.00 | -7.84 |

PSD Results

| Channel | Frequency (MHz) | Antenna 1 Meas PSD (dBm/1MHz) | Antenna 2 Meas PSD (dBm/1MHz) | Total Corr'd PSD (dBm/1MHz) | PSD Limit (dBm/1MHz) | PSD Margin (dB) |
|---------|--------------------|--|--|--------------------------------------|----------------------------|-----------------------|
| Mid | 5290 | -3.77 | -3.15 | -0.43 | 10.89 | -11.32 |

MID CHANNEL



2TX Antenna 1 + Antenna 2 CDD MODE (IC)

| | |
|-----------------------|----------|
| Test Engineer: | 16080 ZS |
| Test Date: | 8/17/21 |

Bandwidth, Antenna Gain, and Limits

| Channel | Frequency (MHz) | Min 99% BW (MHz) | Directional Gain for Power (dBi) | Directional Gain for PSD (dBi) | Power Limit (dBm) | PSD Limit (dBm/1MHz) |
|---------|--------------------|---------------------------|---|---|-------------------------|----------------------------|
| Mid | 5290 | 75.3060 | 3.10 | 6.11 | 24.00 | 11.00 |

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

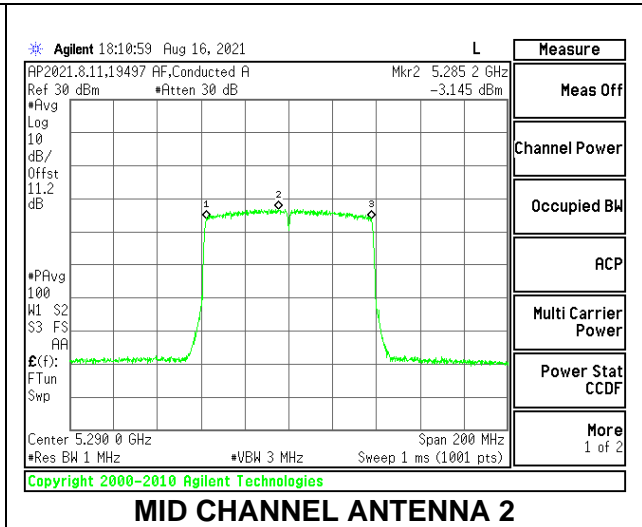
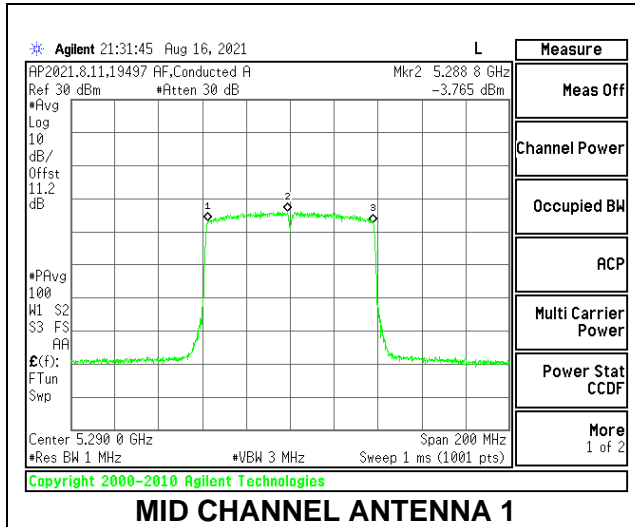
Output Power Results

| Channel | Frequency (MHz) | Antenna 1 Meas Power (dBm) | Antenna 2 Meas Power (dBm) | Total Corr'd Power (dBm) | Power Limit (dBm) | Power Margin (dB) |
|---------|--------------------|-------------------------------------|-------------------------------------|-----------------------------------|-------------------------|-------------------------|
| Mid | 5290 | 12.87 | 13.42 | 16.16 | 24.00 | -7.84 |

PSD Results

| Channel | Frequency (MHz) | Antenna 1 Meas PSD (dBm/1MHz) | Antenna 2 Meas PSD (dBm/1MHz) | Total Corr'd PSD (dBm/1MHz) | PSD Limit (dBm/1MHz) | PSD Margin (dB) |
|---------|--------------------|--|--|--------------------------------------|----------------------------|-----------------------|
| Mid | 5290 | -3.77 | -3.15 | -0.43 | 11.00 | -11.43 |

MID CHANNEL



9.5.9. 802.11ac VHT160 MODE IN THE 5.2 & 5.3 GHz BAND

1TX Antenna 1 MODE (FCC)

| | |
|-----------------------|----------|
| Test Engineer: | 16080 ZS |
| Test Date: | 8/17/21 |

Antenna Gain and Limits

| Channel | Frequency (MHz) | Directional Gain (dBi) | Power Limit (dBm) | PSD Limit (dBm/ 1MHz) |
|---------|--------------------|------------------------------|-------------------------|--------------------------------|
| Mid | 5250 | 3.30 | 24.00 | 11.00 |

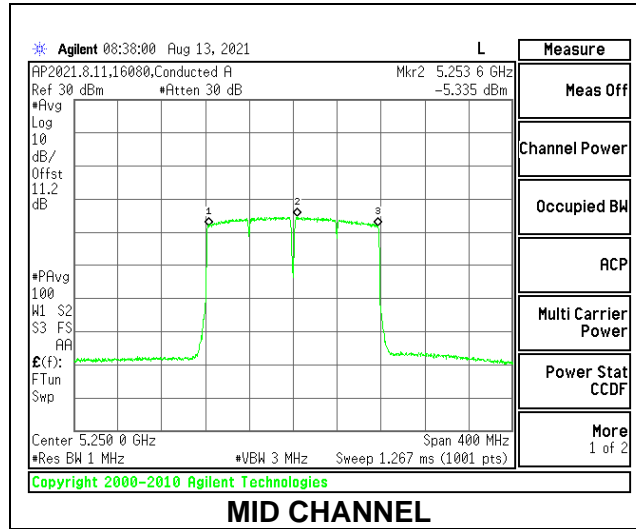
| | | |
|---------------------------|------|---|
| Duty Cycle CF (dB) | 0.00 | Included in Calculations of Corr'd Power & PSD |
|---------------------------|------|---|

Output Power Results

| Channel | Frequency (MHz) | Meas Power (dBm) | Total Corr'd Power (dBm) | Power Limit (dBm) | Power Margin (dB) |
|---------|--------------------|------------------------|-----------------------------------|-------------------------|-------------------------|
| Mid | 5250 | 13.64 | 13.64 | 24.00 | -10.36 |

PSD Results

| Channel | Frequency (MHz) | Meas PSD (dBm/ 1MHz) | Total Corr'd PSD (dBm/ 1MHz) | PSD Limit (dBm/ 1MHz) | PSD Margin (dB) |
|---------|--------------------|-------------------------------|--|--------------------------------|-----------------------|
| Mid | 5250 | -5.34 | -5.34 | 11.00 | -16.34 |



1TX Antenna 1 MODE (IC)

| | |
|-----------------------|----------|
| Test Engineer: | 16080 ZS |
| Test Date: | 8/17/21 |

Bandwidth, Antenna Gain, and Limits

| Channel | Frequency (MHz) | Min 99% BW (MHz) | Directional Gain (dBi) | EIRP Power Limit (dBm) | Power Limit (dBm) | EIRP PSD Limit (dBm/ 1MHz) | PSD Limit (dBm/ 1MHz) |
|---------|--------------------|---------------------------|------------------------------|---------------------------------|-------------------------|--|--------------------------------|
| Mid | 5250 | 154.030 | 3.30 | 23.00 | 19.70 | 10.00 | 6.70 |

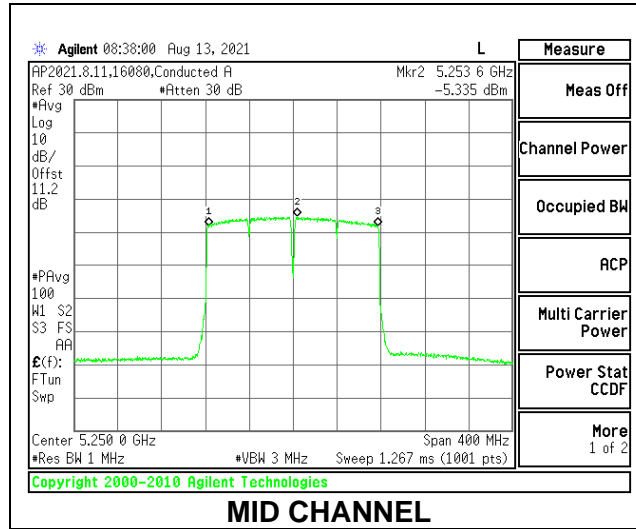
| | | |
|---------------------------|------|---|
| Duty Cycle CF (dB) | 0.00 | Included in Calculations of Corr'd Power & PSD |
|---------------------------|------|---|

Output Power Results

| Channel | Frequency (MHz) | Meas Power (dBm) | Total Corr'd Power (dBm) | Power Limit (dBm) | Power Margin (dB) |
|---------|--------------------|------------------------|-----------------------------------|-------------------------|-------------------------|
| Mid | 5250 | 13.64 | 13.64 | 19.70 | -6.06 |

PSD Results

| Channel | Frequency (MHz) | Meas PSD (dBm/ 1MHz) | Total Corr'd PSD (dBm/ 1MHz) | PSD Limit (dBm/ 1MHz) | PSD Margin (dB) |
|---------|--------------------|-------------------------------|--|--------------------------------|-----------------------|
| Mid | 5250 | -5.34 | -5.34 | 6.70 | -12.04 |



1TX Antenna 2 MODE (FCC)

| | |
|-----------------------|----------|
| Test Engineer: | 16080 ZS |
| Test Date: | 8/17/21 |

Antenna Gain and Limits

| Channel | Frequency (MHz) | Directional Gain (dBi) | Power Limit (dBm) | PSD Limit (dBm/ 1MHz) |
|---------|--------------------|------------------------------|-------------------------|--------------------------------|
| Mid | 5250 | 2.90 | 24.00 | 11.00 |

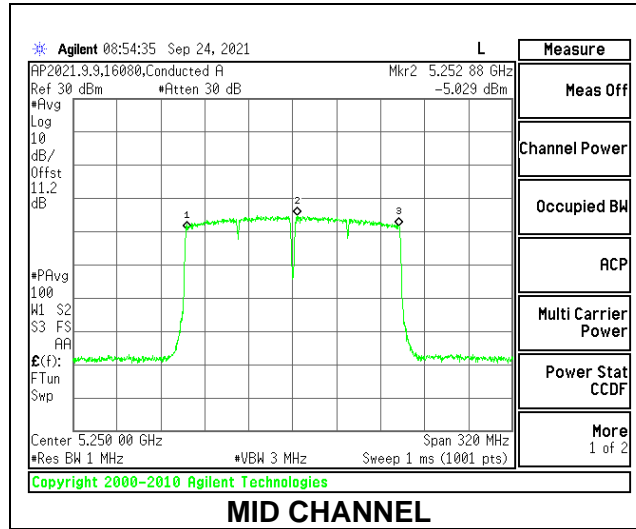
| | | |
|---------------------------|------|---|
| Duty Cycle CF (dB) | 0.00 | Included in Calculations of Corr'd Power & PSD |
|---------------------------|------|---|

Output Power Results

| Channel | Frequency (MHz) | Meas Power (dBm) | Total Corr'd Power (dBm) | Power Limit (dBm) | Power Margin (dB) |
|---------|--------------------|------------------------|-----------------------------------|-------------------------|-------------------------|
| Mid | 5250 | 13.19 | 13.19 | 24.00 | -10.81 |

PSD Results

| Channel | Frequency (MHz) | Meas PSD (dBm/ 1MHz) | Total Corr'd PSD (dBm/ 1MHz) | PSD Limit (dBm/ 1MHz) | PSD Margin (dB) |
|---------|--------------------|-------------------------------|--|--------------------------------|-----------------------|
| Mid | 5250 | -5.03 | -5.03 | 11.00 | -16.03 |



1TX Antenna 2 MODE (IC)

| | |
|-----------------------|----------|
| Test Engineer: | 16080 ZS |
| Test Date: | 8/17/21 |

Bandwidth, Antenna Gain, and Limits

| Channel | Frequency (MHz) | Min 99% BW (MHz) | Directional Gain (dBi) | EIRP Power Limit (dBm) | Power Limit (dBm) | EIRP PSD Limit (dBm/ 1MHz) | PSD Limit (dBm/ 1MHz) |
|---------|--------------------|---------------------------|------------------------------|---------------------------------|-------------------------|--|--------------------------------|
| Mid | 5250 | 154.07 | 2.90 | 23.00 | 20.10 | 10.00 | 7.10 |

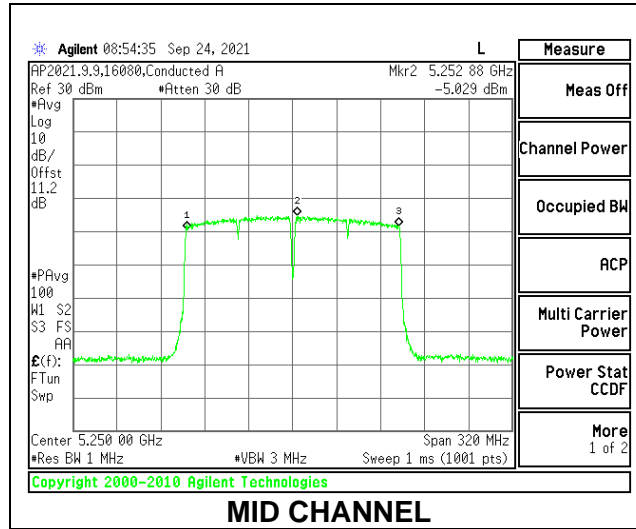
| | | |
|---------------------------|------|---|
| Duty Cycle CF (dB) | 0.00 | Included in Calculations of Corr'd Power & PSD |
|---------------------------|------|---|

Output Power Results

| Channel | Frequency (MHz) | Meas Power (dBm) | Total Corr'd Power (dBm) | Power Limit (dBm) | Power Margin (dB) |
|---------|--------------------|------------------------|-----------------------------------|-------------------------|-------------------------|
| Mid | 5250 | 13.19 | 13.19 | 20.10 | -6.91 |

PSD Results

| Channel | Frequency (MHz) | Meas PSD (dBm/ 1MHz) | Total Corr'd PSD (dBm/ 1MHz) | PSD Limit (dBm/ 1MHz) | PSD Margin (dB) |
|---------|--------------------|-------------------------------|--|--------------------------------|-----------------------|
| Mid | 5250 | -5.03 | -5.03 | 7.10 | -12.13 |



2TX Antenna 1 + Antenna 2 CDD MODE (FCC)

| | |
|-----------------------|----------|
| Test Engineer: | 16080 ZS |
| Test Date: | 8/17/21 |

Antenna Gain and Limits

| Channel | Frequency (MHz) | Directional Gain for Power (dBi) | Directional Gain for PSD (dBi) | Power Limit (dBm) | PSD Limit (dBm/ 1MHz) |
|---------|--------------------|---|---|-------------------------|--------------------------------|
| Mid | 5250 | 3.10 | 6.11 | 24.00 | 10.89 |

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

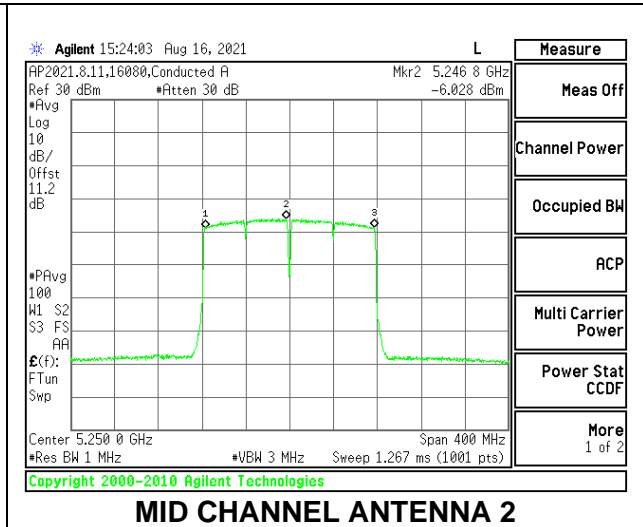
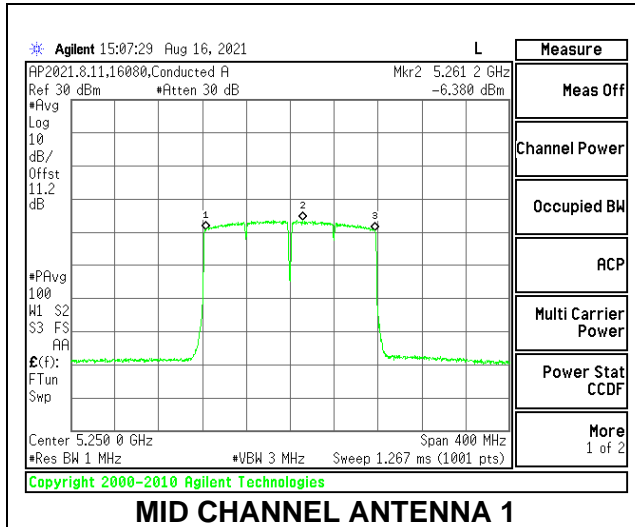
Output Power Results

| Channel | Frequency (MHz) | Antenna 1 Meas Power (dBm) | Antenna 2 Meas Power (dBm) | Total Corr'd Power (dBm) | Power Limit (dBm) | Power Margin (dB) |
|---------|--------------------|-------------------------------------|-------------------------------------|-----------------------------------|-------------------------|-------------------------|
| Mid | 5250 | 12.50 | 13.16 | 15.85 | 24.00 | -8.15 |

PSD Results

| Channel | Frequency (MHz) | Antenna 1 Meas PSD (dBm/ 1MHz) | Antenna 2 Meas PSD (dBm/ 1MHz) | Total Corr'd PSD (dBm/ 1MHz) | PSD Limit (dBm/ 1MHz) | PSD Margin (dB) |
|---------|--------------------|--|--|--|--------------------------------|-----------------------|
| Mid | 5250 | -6.38 | -6.03 | -3.19 | 10.89 | -14.08 |

MID CHANNEL



2TX Antenna 1 + Antenna 2 CDD MODE (IC)

| | |
|-----------------------|----------|
| Test Engineer: | 16080 ZS |
| Test Date: | 8/17/21 |

Bandwidth, Antenna Gain, and Limits

| Channel | Frequency (MHz) | Min 99% BW (MHz) | Directional Gain for Power (dBi) | Directional Gain for PSD (dBi) | EIRP Power Limit (dBm) | Power Limit (dBm) | EIRP PSD Limit (dBm/ 1MHz) | PSD Limit (dBm/ 1MHz) |
|---------|--------------------|---------------------------|---|---|---------------------------------|-------------------------|--|--------------------------------|
| Mid | 5250 | 153.85 | 3.10 | 6.11 | 23.00 | 19.90 | 10.00 | 3.89 |

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

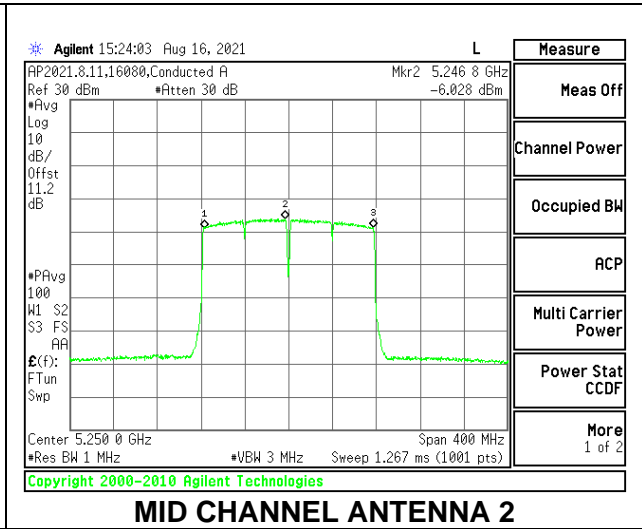
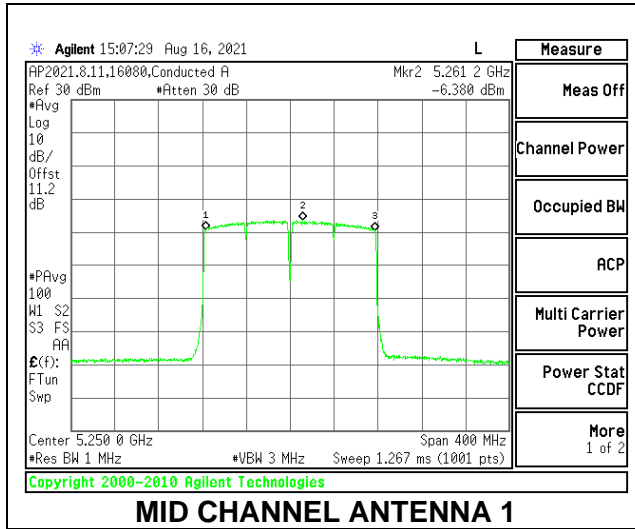
Output Power Results

| Channel | Frequency (MHz) | Antenna 1 Meas Power (dBm) | Antenna 2 Meas Power (dBm) | Total Corr'd Power (dBm) | Power Limit (dBm) | Power Margin (dB) |
|---------|--------------------|-------------------------------------|-------------------------------------|-----------------------------------|-------------------------|-------------------------|
| Mid | 5250 | 12.50 | 13.16 | 15.85 | 19.90 | -4.05 |

PSD Results

| Channel | Frequency (MHz) | Antenna 1 Meas PSD (dBm/ 1MHz) | Antenna 2 Meas PSD (dBm/ 1MHz) | Total Corr'd PSD (dBm/ 1MHz) | PSD Limit (dBm/ 1MHz) | PSD Margin (dB) |
|---------|--------------------|---|---|--|--------------------------------|-----------------------|
| Mid | 5250 | -6.38 | -6.03 | -3.19 | 3.89 | -7.08 |

MID CHANNEL



9.5.10. 802.11a MODE IN THE 5.6 GHz BAND

1TX Antenna 1 MODE (FCC+IC)

| | |
|-----------------------|----------|
| Test Engineer: | 16080 ZS |
| Test Date: | 8/17/21 |

Bandwidth and Antenna Gain

| Channel | Frequency (MHz) | Min 26 dB BW (MHz) | Min 99% BW (MHz) | Directional Gain (dBi) |
|---------|--------------------|-----------------------------|---------------------------|------------------------------|
| Low | 5500 | 19.70 | 16.412 | 3.50 |
| Mid | 5580 | 19.60 | 16.385 | 3.50 |
| High | 5700 | 19.45 | 16.412 | 3.50 |
| 144 | 5720 | 14.70 | 13.204 | 3.50 |

Limits

| Channel | Frequency (MHz) | FCC Power Limit (dBm) | ISED Power Limit (dBm) | ISED EIRP Limit (dBm) | Power Limit (dBm) | FCC PSD Limit (dBm/1MHz) | ISED PSD Limit (dBm/1MHz) | PSD Limit (dBm/1MHz) |
|---------|--------------------|--------------------------------|---------------------------------|--------------------------------|-------------------------|-----------------------------------|------------------------------------|----------------------------|
| Low | 5500 | 23.94 | 23.15 | 29.15 | 23.15 | 11.00 | 11.00 | 11.00 |
| Mid | 5580 | 23.92 | 23.14 | 29.14 | 23.14 | 11.00 | 11.00 | 11.00 |
| High | 5700 | 23.89 | 23.15 | 29.15 | 23.15 | 11.00 | 11.00 | 11.00 |
| 144 | 5720 | 22.67 | 22.21 | 28.21 | 22.21 | 11.00 | 11.00 | 11.00 |

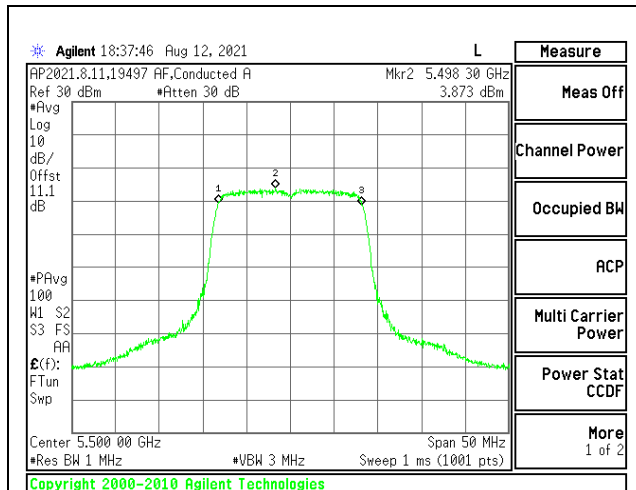
| | | |
|---------------------------|------|---|
| Duty Cycle CF (dB) | 0.00 | Included in Calculations of Corr'd Power & PSD |
|---------------------------|------|---|

Output Power Results

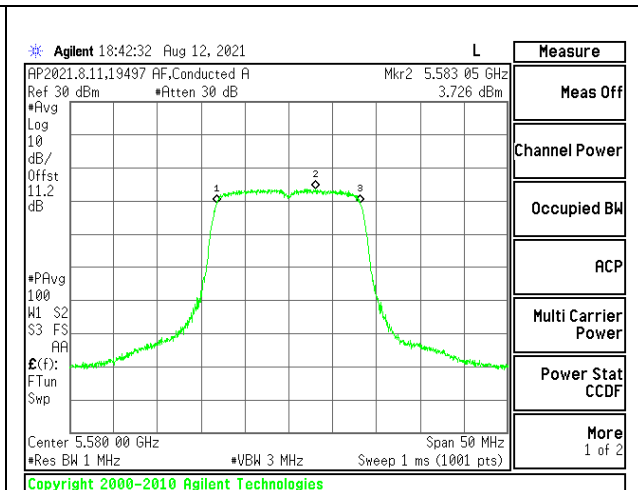
| Channel | Frequency (MHz) | Meas Power (dBm) | Total Corr'd Power (dBm) | Power Limit (dBm) | Power Margin (dB) |
|---------|--------------------|------------------------|-----------------------------------|-------------------------|-------------------------|
| Low | 5500 | 14.72 | 14.72 | 23.15 | -8.43 |
| Mid | 5580 | 14.53 | 14.53 | 23.14 | -8.61 |
| High | 5700 | 14.31 | 14.31 | 23.15 | -8.84 |
| 144 | 5720 | 14.55 | 14.55 | 22.21 | -7.66 |

PSD Results

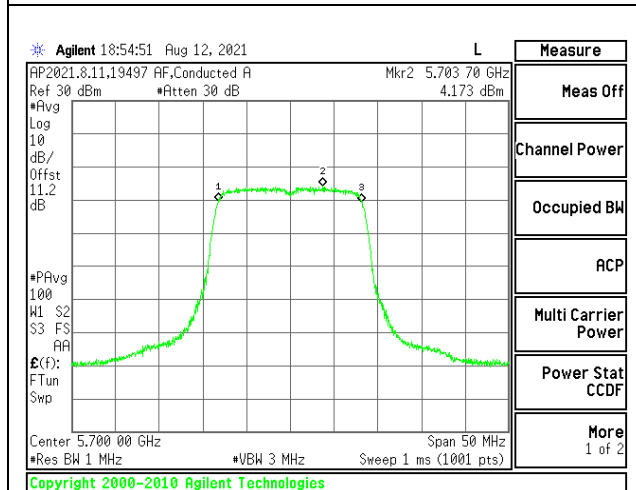
| Channel | Frequency (MHz) | Meas PSD (dBm/ 1MHz) | Total Corr'd PSD (dBm/ 1MHz) | PSD Limit (dBm/ 1MHz) | PSD Margin (dB) |
|---------|--------------------|-------------------------------|--|--------------------------------|-----------------------|
| Low | 5500 | 3.87 | 3.87 | 11.00 | -7.13 |
| Mid | 5580 | 3.73 | 3.73 | 11.00 | -7.27 |
| High | 5700 | 4.17 | 4.17 | 11.00 | -6.83 |
| 144 | 5720 | 4.24 | 4.24 | 11.00 | -6.76 |



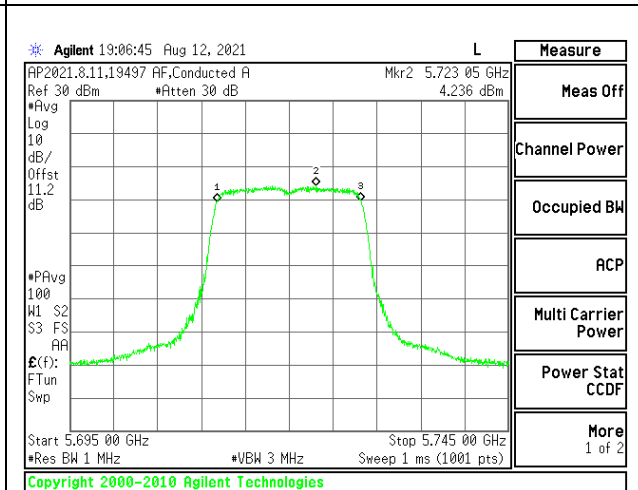
LOW CHANNEL



MID CHANNEL



HIGH CHANNEL



CHANNEL 144

1TX Antenna 2 MODE (FCC+IC)

| | |
|-----------------------|----------|
| Test Engineer: | 16080 ZS |
| Test Date: | 8/17/21 |

Bandwidth and Antenna Gain

| Channel | Frequency (MHz) | Min 26 dB BW (MHz) | Min 99% BW (MHz) | Directional Gain (dBi) |
|---------|--------------------|-----------------------------|---------------------------|------------------------------|
| Low | 5500 | 19.55 | 16.353 | 4.50 |
| Mid | 5580 | 19.45 | 16.375 | 4.50 |
| High | 5700 | 19.50 | 16.382 | 4.50 |
| 144 | 5720 | 14.75 | 13.187 | 4.50 |

Limits

| Channel | Frequency (MHz) | FCC Power Limit (dBm) | ISED Power Limit (dBm) | ISED EIRP Limit (dBm) | Power Limit (dBm) | FCC PSD Limit (dBm/1MHz) | ISED PSD Limit (dBm/1MHz) | PSD Limit (dBm/1MHz) |
|---------|--------------------|--------------------------------|---------------------------------|--------------------------------|-------------------------|-----------------------------------|------------------------------------|----------------------------|
| Low | 5500 | 23.91 | 23.14 | 29.14 | 23.14 | 11.00 | 11.00 | 11.00 |
| Mid | 5580 | 23.89 | 23.14 | 29.14 | 23.14 | 11.00 | 11.00 | 11.00 |
| High | 5700 | 23.90 | 23.14 | 29.14 | 23.14 | 11.00 | 11.00 | 11.00 |
| 144 | 5720 | 22.69 | 22.20 | 28.20 | 22.20 | 11.00 | 11.00 | 11.00 |

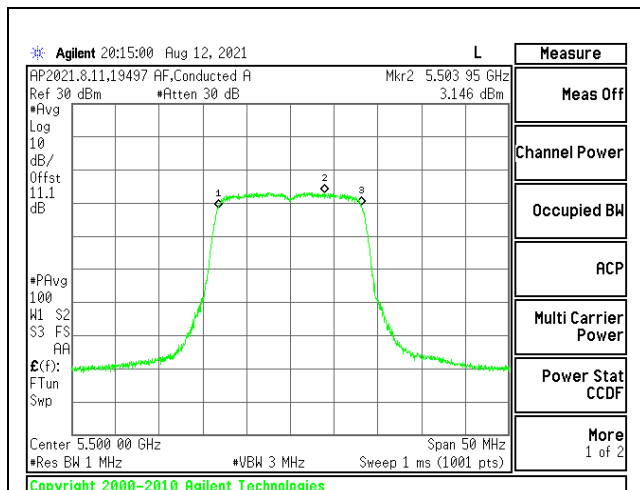
| | | |
|---------------------------|------|---|
| Duty Cycle CF (dB) | 0.00 | Included in Calculations of Corr'd Power & PSD |
|---------------------------|------|---|

Output Power Results

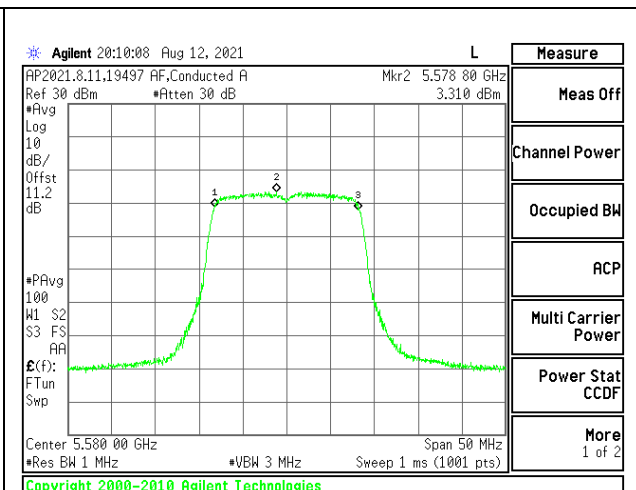
| Channel | Frequency (MHz) | Meas Power (dBm) | Total Corr'd Power (dBm) | Power Limit (dBm) | Power Margin (dB) |
|---------|--------------------|------------------------|-----------------------------------|-------------------------|-------------------------|
| Low | 5500 | 14.17 | 14.17 | 23.14 | -8.97 |
| Mid | 5580 | 14.01 | 14.01 | 23.14 | -9.13 |
| High | 5700 | 14.03 | 14.03 | 23.14 | -9.11 |
| 144 | 5720 | 13.93 | 13.93 | 22.20 | -8.27 |

PSD Results

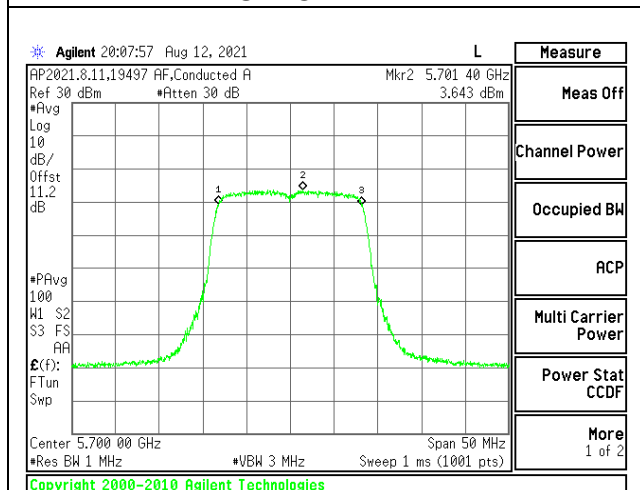
| Channel | Frequency (MHz) | Meas PSD (dBm/ 1MHz) | Total Corr'd PSD (dBm/ 1MHz) | PSD Limit (dBm/ 1MHz) | PSD Margin (dB) |
|---------|--------------------|-------------------------------|--|--------------------------------|-----------------------|
| Low | 5500 | 3.15 | 3.15 | 11.00 | -7.85 |
| Mid | 5580 | 3.31 | 3.31 | 11.00 | -7.69 |
| High | 5700 | 3.64 | 3.64 | 11.00 | -7.36 |
| 144 | 5720 | 3.25 | 3.25 | 11.00 | -7.75 |



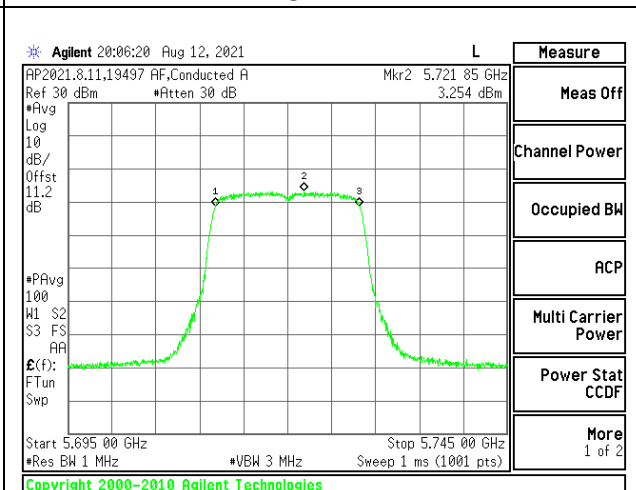
LOW CHANNEL



MID CHANNEL



HIGH CHANNEL



CHANNEL 144

2TX Antenna 1 + Antenna 2 CDD MODE (FCC+IC)

| | |
|-----------------------|----------|
| Test Engineer: | 16080 ZS |
| Test Date: | 8/17/21 |

Bandwidth and Antenna Gain

| Channel | Frequency (MHz) | Min 26 dB BW (MHz) | Min 99% BW (MHz) | Directional Gain for Power (dBi) | Directional Gain for PSD (dBi) |
|---------|--------------------|-----------------------------|---------------------------|---|---|
| Low | 5500 | 18.95 | 16.366 | 4.03 | 7.02 |
| Mid | 5580 | 19.05 | 16.366 | 4.03 | 7.02 |
| High | 5700 | 19.10 | 16.412 | 4.03 | 7.02 |
| 144 | 5720 | 14.53 | 13.196 | 4.03 | 7.02 |

Limits

| Channel | Frequency (MHz) | FCC Power Limit (dBm) | ISED Power Limit (dBm) | ISED EIRP Limit (dBm) | Power Limit (dBm) | FCC PSD Limit (dBm/ 1MHz) | ISED PSD Limit (dBm/ 1MHz) | PSD Limit (dBm/ 1MHz) |
|---------|--------------------|--------------------------------|---------------------------------|--------------------------------|-------------------------|---------------------------------------|--|--------------------------------|
| Low | 5500 | 23.78 | 23.14 | 29.14 | 23.14 | 9.98 | 11.00 | 9.98 |
| Mid | 5580 | 23.80 | 23.14 | 29.14 | 23.14 | 9.98 | 11.00 | 9.98 |
| High | 5700 | 23.81 | 23.15 | 29.15 | 23.15 | 9.98 | 11.00 | 9.98 |
| 144 | 5720 | 22.62 | 22.20 | 28.20 | 22.20 | 9.98 | 11.00 | 9.98 |

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

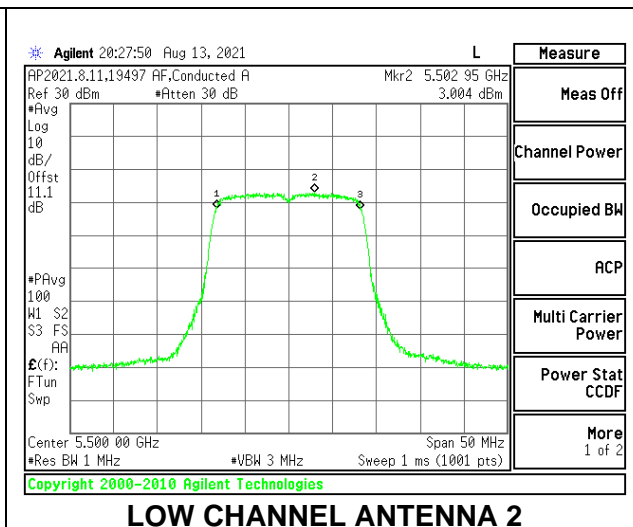
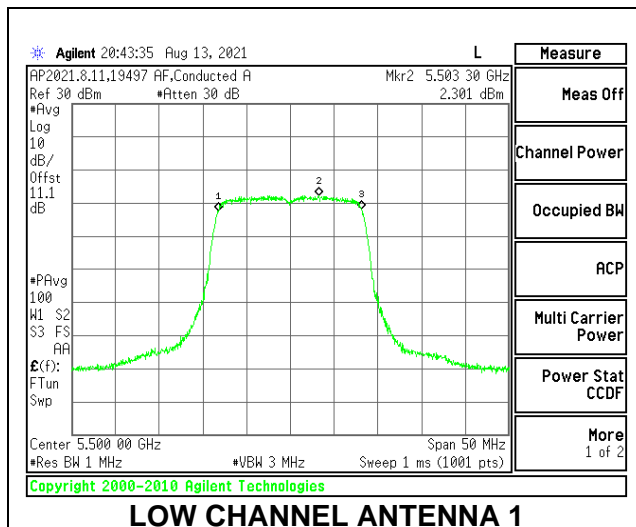
Output Power Results

| Channel | Frequency (MHz) | Antenna 1 Meas Power (dBm) | Antenna 2 Meas Power (dBm) | Total Corr'd Power (dBm) | Power Limit (dBm) | Power Margin (dB) |
|---------|--------------------|-------------------------------------|-------------------------------------|-----------------------------------|-------------------------|-------------------------|
| Low | 5500 | 13.03 | 13.27 | 16.16 | 23.14 | -6.98 |
| Mid | 5580 | 13.36 | 13.27 | 16.33 | 23.14 | -6.81 |
| High | 5700 | 13.31 | 13.44 | 16.39 | 23.15 | -6.77 |
| 144 | 5720 | 13.09 | 13.40 | 16.26 | 22.20 | -5.95 |

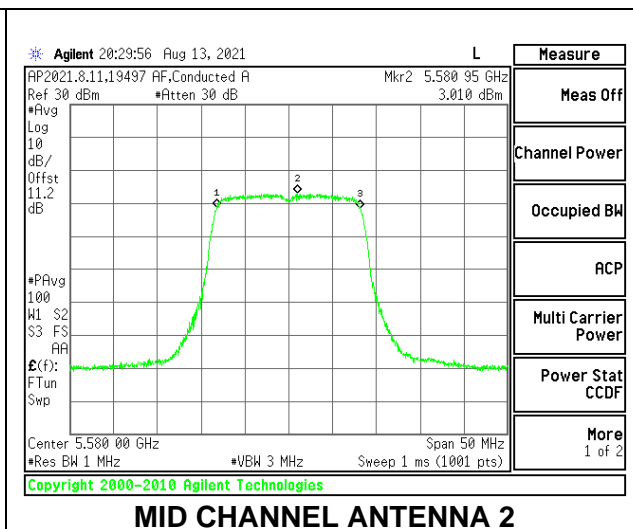
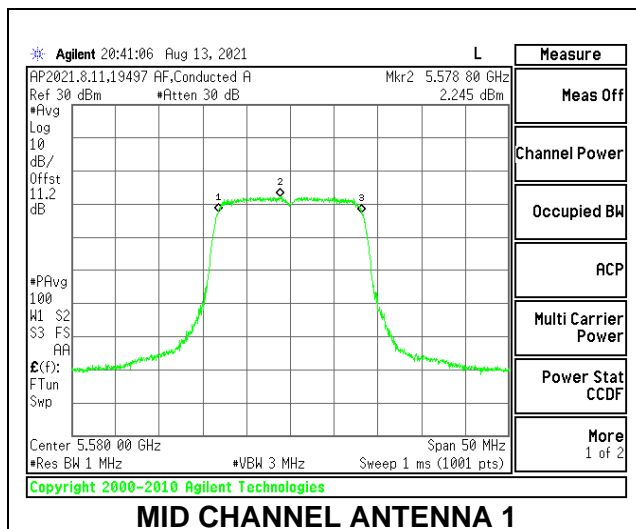
PSD Results

| Channel | Frequency (MHz) | Antenna 1 Meas PSD (dBm/ 1MHz) | Antenna 2 Meas PSD (dBm/ 1MHz) | Total Corr'd PSD (dBm/ 1MHz) | PSD Limit (dBm/ 1MHz) | PSD Margin (dB) |
|---------|--------------------|--|--|--|--------------------------------|-----------------------|
| Low | 5500 | 2.30 | 3.00 | 5.68 | 9.98 | -4.30 |
| Mid | 5580 | 2.25 | 3.01 | 5.65 | 9.98 | -4.33 |
| High | 5700 | 2.86 | 2.89 | 5.89 | 9.98 | -4.09 |
| 144 | 5720 | 2.82 | 3.05 | 5.94 | 9.98 | -4.04 |

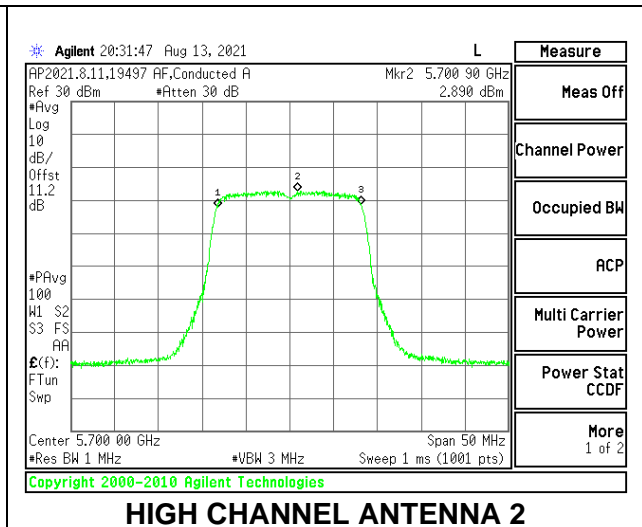
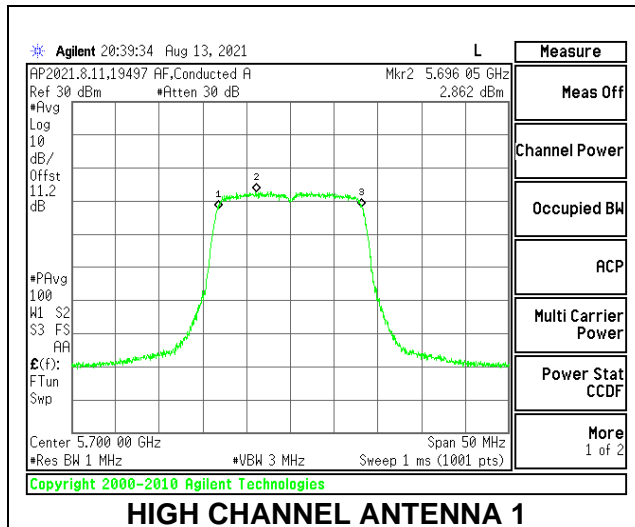
LOW CHANNEL



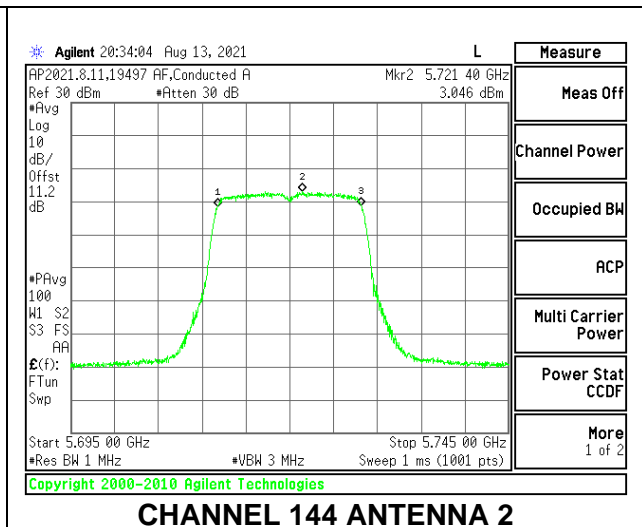
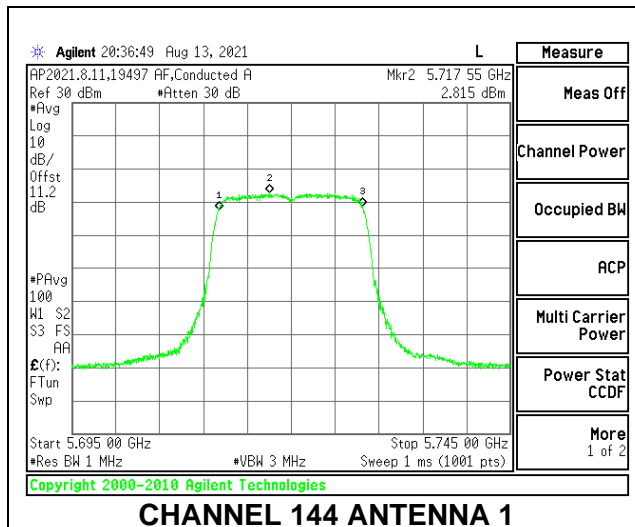
MID CHANNEL



HIGH CHANNEL



CHANNEL 144



9.5.11. 802.11n HT20 MODE IN THE 5.6 GHz BAND

1TX Antenna 1 MODE (FCC+IC)

| | |
|-----------------------|----------|
| Test Engineer: | 16080 ZS |
| Test Date: | 8/17/21 |

Bandwidth and Antenna Gain

| Channel | Frequency (MHz) | Min 26 dB BW (MHz) | Min 99% BW (MHz) | Directional Gain (dBi) |
|---------|--------------------|-----------------------------|---------------------------|------------------------------|
| Low | 5500 | 20.65 | 17.551 | 3.50 |
| Mid | 5580 | 20.70 | 17.599 | 3.50 |
| High | 5700 | 20.60 | 17.583 | 3.50 |
| 144 | 5720 | 15.35 | 13.789 | 3.50 |

Limits

| Channel | Frequency (MHz) | FCC Power Limit (dBm) | ISED Power Limit (dBm) | ISED EIRP Limit (dBm) | Power Limit (dBm) | FCC PSD Limit (dBm/1MHz) | ISED PSD Limit (dBm/1MHz) | PSD Limit (dBm/1MHz) |
|---------|--------------------|--------------------------------|---------------------------------|--------------------------------|-------------------------|-----------------------------------|------------------------------------|----------------------------|
| Low | 5500 | 24.00 | 23.44 | 29.44 | 23.44 | 11.00 | 11.00 | 11.00 |
| Mid | 5580 | 24.00 | 23.45 | 29.45 | 23.45 | 11.00 | 11.00 | 11.00 |
| High | 5700 | 24.00 | 23.45 | 29.45 | 23.45 | 11.00 | 11.00 | 11.00 |
| 144 | 5720 | 22.86 | 22.40 | 28.40 | 22.40 | 11.00 | 11.00 | 11.00 |

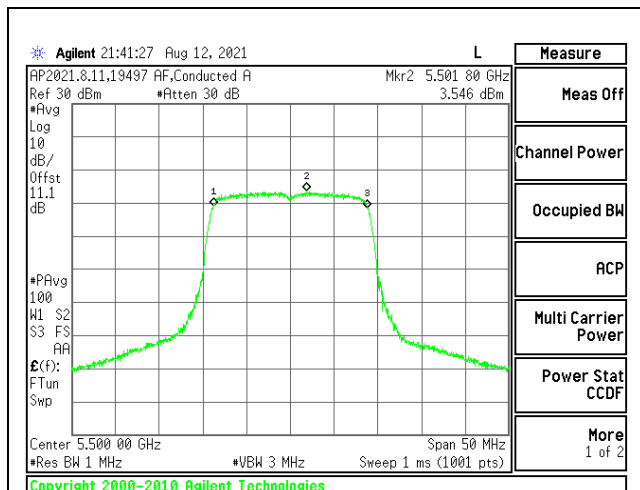
| | | |
|---------------------------|------|---|
| Duty Cycle CF (dB) | 0.00 | Included in Calculations of Corr'd Power & PSD |
|---------------------------|------|---|

Output Power Results

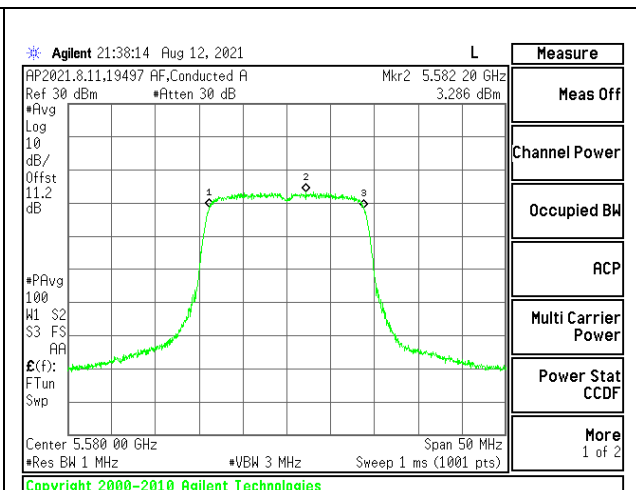
| Channel | Frequency (MHz) | Meas Power (dBm) | Total Corr'd Power (dBm) | Power Limit (dBm) | Power Margin (dB) |
|---------|--------------------|------------------------|-----------------------------------|-------------------------|-------------------------|
| Low | 5500 | 14.02 | 14.02 | 23.44 | -9.42 |
| Mid | 5580 | 13.96 | 13.96 | 23.45 | -9.49 |
| High | 5700 | 13.88 | 13.88 | 23.45 | -9.57 |
| 144 | 5720 | 14.01 | 14.01 | 22.40 | -8.39 |

PSD Results

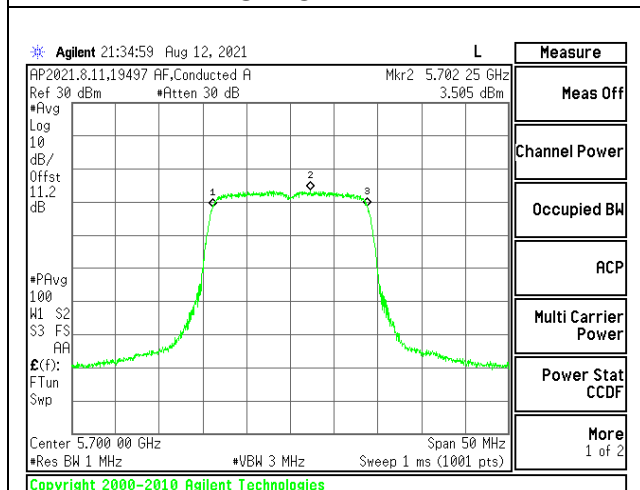
| Channel | Frequency (MHz) | Meas PSD (dBm/ 1MHz) | Total Corr'd PSD (dBm/ 1MHz) | PSD Limit (dBm/ 1MHz) | PSD Margin (dB) |
|---------|--------------------|-------------------------------|--|--------------------------------|-----------------------|
| Low | 5500 | 3.55 | 3.55 | 11.00 | -7.45 |
| Mid | 5580 | 3.29 | 3.29 | 11.00 | -7.71 |
| High | 5700 | 3.51 | 3.51 | 11.00 | -7.50 |
| 144 | 5720 | 3.42 | 3.42 | 11.00 | -7.58 |



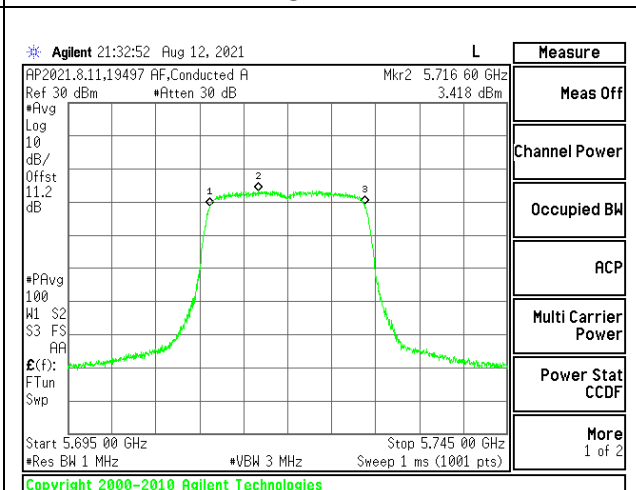
LOW CHANNEL



MID CHANNEL



HIGH CHANNEL



CHANNEL 144

1TX Antenna 2 MODE (FCC+IC)

| | |
|-----------------------|----------|
| Test Engineer: | 16080 ZS |
| Test Date: | 8/17/21 |

Bandwidth and Antenna Gain

| Channel | Frequency (MHz) | Min 26 dB BW (MHz) | Min 99% BW (MHz) | Directional Gain (dBi) |
|---------|--------------------|-----------------------------|---------------------------|------------------------------|
| Low | 5500 | 20.65 | 17.590 | 4.50 |
| Mid | 5580 | 20.65 | 17.595 | 4.50 |
| High | 5700 | 20.75 | 17.570 | 4.50 |
| 144 | 5720 | 15.40 | 13.803 | 4.50 |

Limits

| Channel | Frequency (MHz) | FCC Power Limit (dBm) | ISED Power Limit (dBm) | ISED EIRP Limit (dBm) | Power Limit (dBm) | FCC PSD Limit (dBm/1MHz) | ISED PSD Limit (dBm/1MHz) | PSD Limit (dBm/1MHz) |
|---------|--------------------|--------------------------------|---------------------------------|--------------------------------|-------------------------|-----------------------------------|------------------------------------|----------------------------|
| Low | 5500 | 24.00 | 23.45 | 29.45 | 23.45 | 11.00 | 11.00 | 11.00 |
| Mid | 5580 | 24.00 | 23.45 | 29.45 | 23.45 | 11.00 | 11.00 | 11.00 |
| High | 5700 | 24.00 | 23.45 | 29.45 | 23.45 | 11.00 | 11.00 | 11.00 |
| 144 | 5720 | 22.88 | 22.40 | 28.40 | 22.40 | 11.00 | 11.00 | 11.00 |

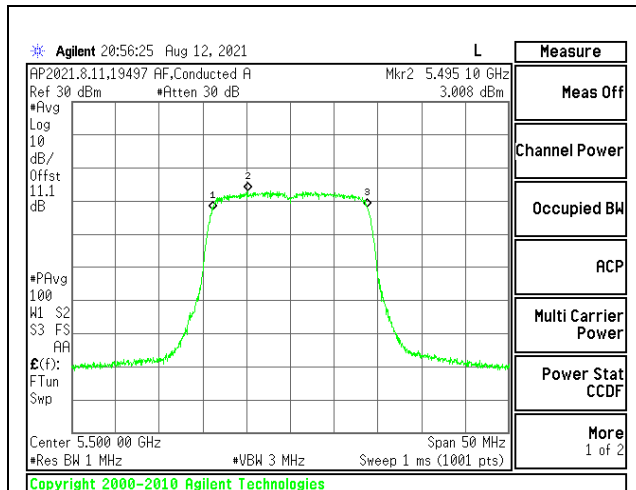
| | | |
|---------------------------|------|---|
| Duty Cycle CF (dB) | 0.00 | Included in Calculations of Corr'd Power & PSD |
|---------------------------|------|---|

Output Power Results

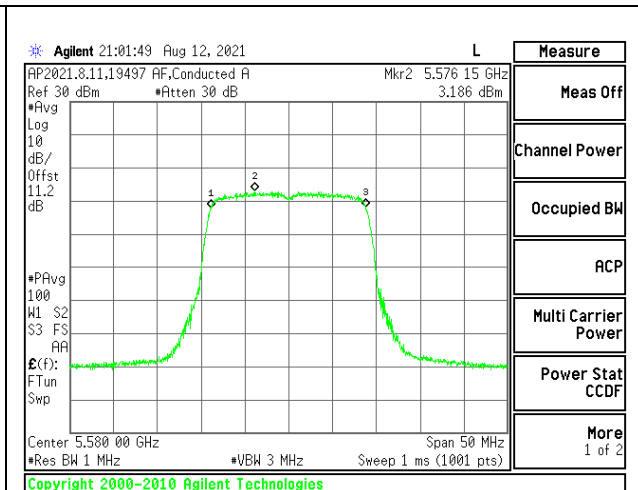
| Channel | Frequency (MHz) | Meas Power (dBm) | Total Corr'd Power (dBm) | Power Limit (dBm) | Power Margin (dB) |
|---------|--------------------|------------------------|-----------------------------------|-------------------------|-------------------------|
| Low | 5500 | 13.71 | 13.71 | 23.45 | -9.74 |
| Mid | 5580 | 13.54 | 13.54 | 23.45 | -9.91 |
| High | 5700 | 13.63 | 13.63 | 23.45 | -9.82 |
| 144 | 5720 | 13.86 | 13.86 | 22.40 | -8.54 |

PSD Results

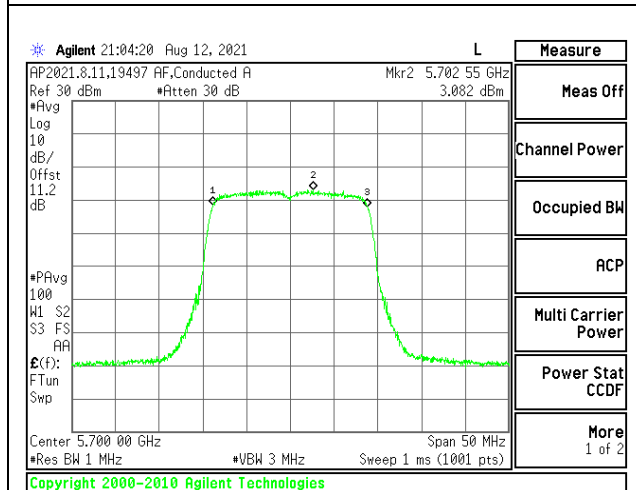
| Channel | Frequency (MHz) | Meas PSD (dBm/ 1MHz) | Total Corr'd PSD (dBm/ 1MHz) | PSD Limit (dBm/ 1MHz) | PSD Margin (dB) |
|---------|--------------------|-------------------------------|--|--------------------------------|-----------------------|
| Low | 5500 | 3.01 | 3.01 | 11.00 | -7.99 |
| Mid | 5580 | 3.19 | 3.19 | 11.00 | -7.81 |
| High | 5700 | 3.08 | 3.08 | 11.00 | -7.92 |
| 144 | 5720 | 3.13 | 3.13 | 11.00 | -7.87 |



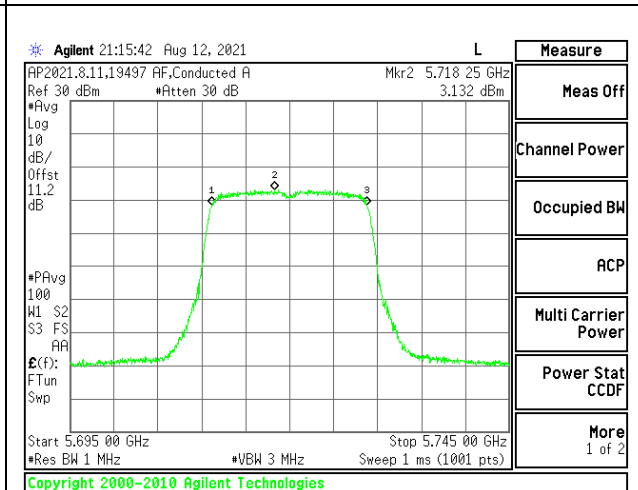
LOW CHANNEL



MID CHANNEL



HIGH CHANNEL



CHANNEL 144

2TX Antenna 1 + Antenna 2 CDD MODE (FCC+IC)

| | |
|-----------------------|----------|
| Test Engineer: | 16080 ZS |
| Test Date: | 8/17/21 |

Bandwidth and Antenna Gain

| Channel | Frequency (MHz) | Min 26 dB BW (MHz) | Min 99% BW (MHz) | Directional Gain for Power (dBi) | Directional Gain for PSD (dBi) |
|---------|--------------------|-----------------------------|---------------------------|---|---|
| Low | 5500 | 20.40 | 17.564 | 4.03 | 7.02 |
| Mid | 5580 | 20.50 | 17.554 | 4.03 | 7.02 |
| High | 5700 | 20.60 | 17.555 | 4.03 | 7.02 |
| 144 | 5720 | 15.28 | 13.788 | 4.03 | 7.02 |

Limits

| Channel | Frequency (MHz) | FCC Power Limit (dBm) | ISED Power Limit (dBm) | ISED EIRP Limit (dBm) | Power Limit (dBm) | FCC PSD Limit (dBm/ 1MHz) | ISED PSD Limit (dBm/ 1MHz) | PSD Limit (dBm/ 1MHz) |
|---------|--------------------|--------------------------------|---------------------------------|--------------------------------|-------------------------|---------------------------------------|--|--------------------------------|
| Low | 5500 | 24.00 | 23.45 | 29.45 | 23.45 | 9.98 | 11.00 | 9.98 |
| Mid | 5580 | 24.00 | 23.44 | 29.44 | 23.44 | 9.98 | 11.00 | 9.98 |
| High | 5700 | 24.00 | 23.44 | 29.44 | 23.44 | 9.98 | 11.00 | 9.98 |
| 144 | 5720 | 22.84 | 22.40 | 28.40 | 22.40 | 9.98 | 11.00 | 9.98 |

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

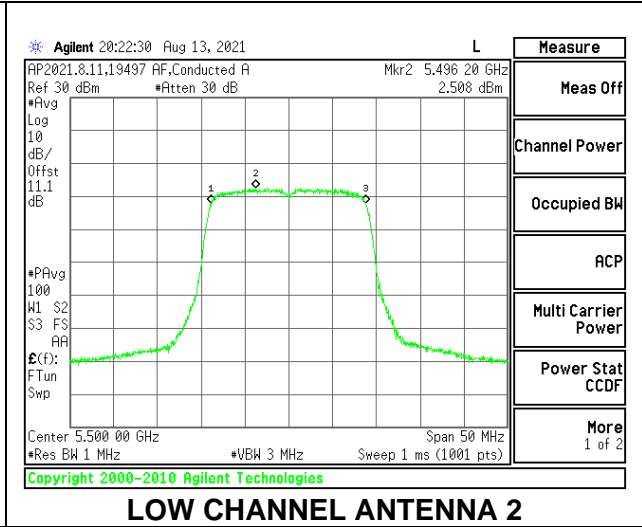
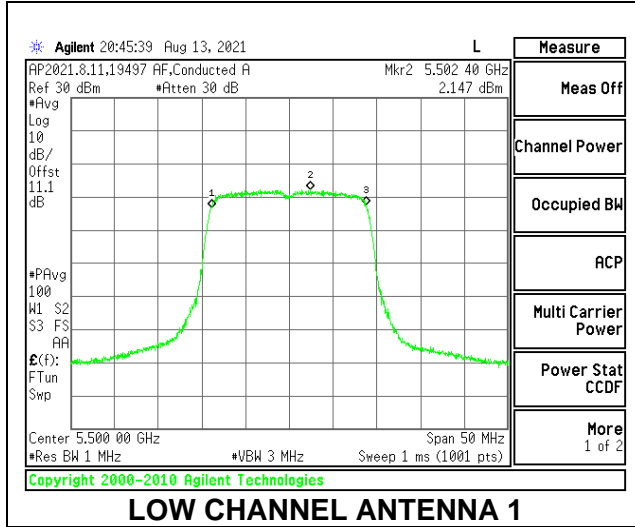
Output Power Results

| Channel | Frequency (MHz) | Antenna 1 Meas Power (dBm) | Antenna 2 Meas Power (dBm) | Total Corr'd Power (dBm) | Power Limit (dBm) | Power Margin (dB) |
|---------|--------------------|-------------------------------------|-------------------------------------|-----------------------------------|-------------------------|-------------------------|
| Low | 5500 | 13.28 | 13.19 | 16.25 | 23.45 | -7.20 |
| Mid | 5580 | 13.22 | 13.67 | 16.46 | 23.44 | -6.98 |
| High | 5700 | 13.00 | 13.21 | 16.12 | 23.44 | -7.33 |
| 144 | 5720 | 12.79 | 13.19 | 16.00 | 22.40 | -6.39 |

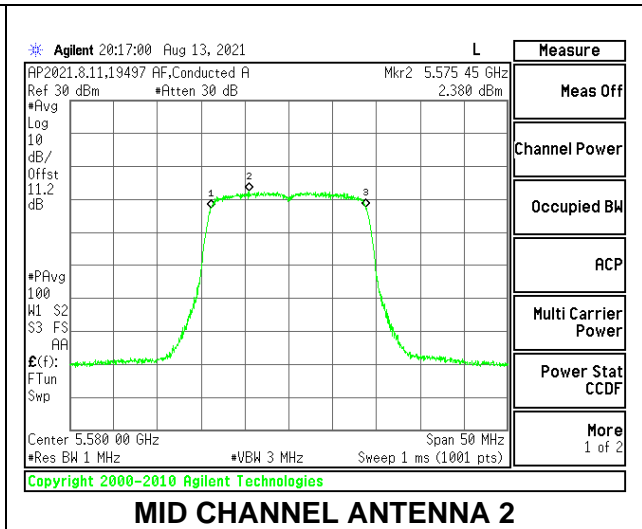
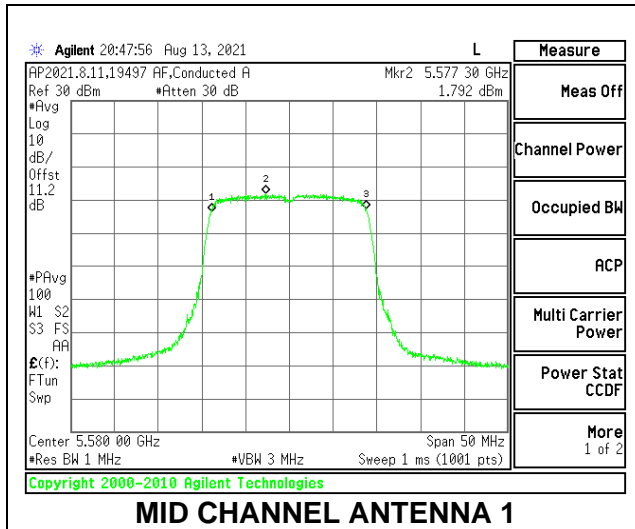
PSD Results

| Channel | Frequency (MHz) | Antenna 1 Meas PSD (dBm/ 1MHz) | Antenna 2 Meas PSD (dBm/ 1MHz) | Total Corr'd PSD (dBm/ 1MHz) | PSD Limit (dBm/ 1MHz) | PSD Margin (dB) |
|---------|--------------------|---|---|--|--------------------------------|-----------------------|
| Low | 5500 | 2.15 | 2.51 | 5.34 | 9.98 | -4.64 |
| Mid | 5580 | 1.79 | 2.38 | 5.11 | 9.98 | -4.87 |
| High | 5700 | 2.21 | 2.51 | 5.37 | 9.98 | -4.61 |
| 144 | 5720 | 2.15 | 3.05 | 5.63 | 9.98 | -4.35 |

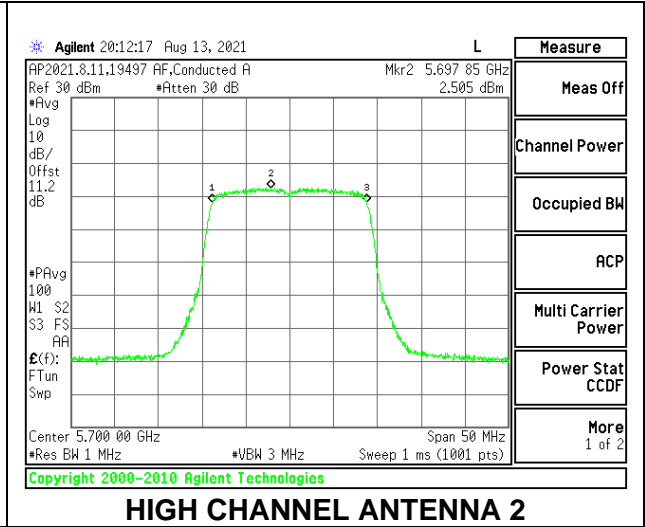
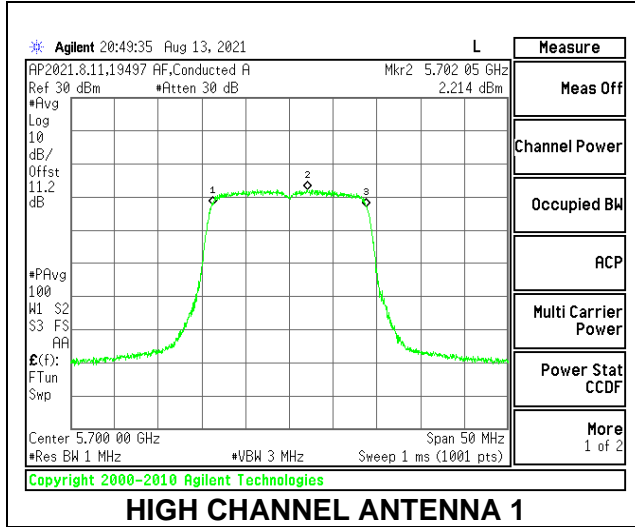
LOW CHANNEL



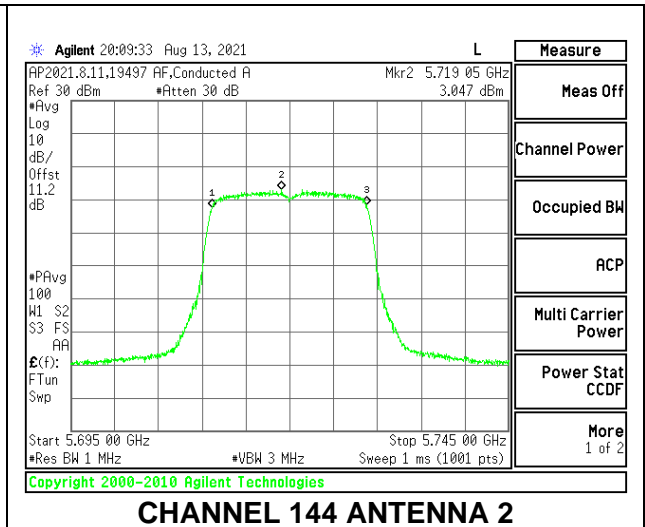
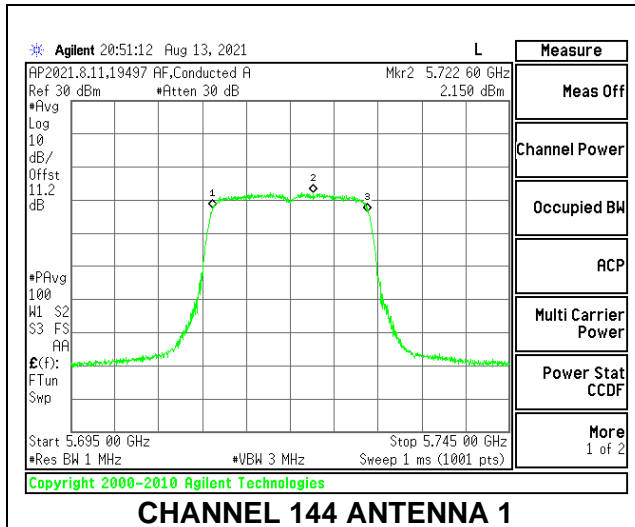
MID CHANNEL



HIGH CHANNEL



CHANNEL 144



9.5.12. 802.11n HT40 MODE IN THE 5.6 GHz BAND

1TX Antenna 1 MODE (FCC+IC)

| | |
|-----------------------|----------|
| Test Engineer: | 16080 ZS |
| Test Date: | 8/17/21 |

Bandwidth and Antenna Gain

| Channel | Frequency (MHz) | Min 26 dB BW (MHz) | Min 99% BW (MHz) | Directional Gain (dBi) |
|---------|--------------------|-----------------------------|---------------------------|------------------------------|
| Low | 5510 | 40.50 | 35.963 | 3.50 |
| Mid | 5550 | 40.50 | 36.014 | 3.50 |
| High | 5670 | 40.70 | 35.940 | 3.50 |
| 142 | 5710 | 35.35 | 33.007 | 3.50 |

Limits

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

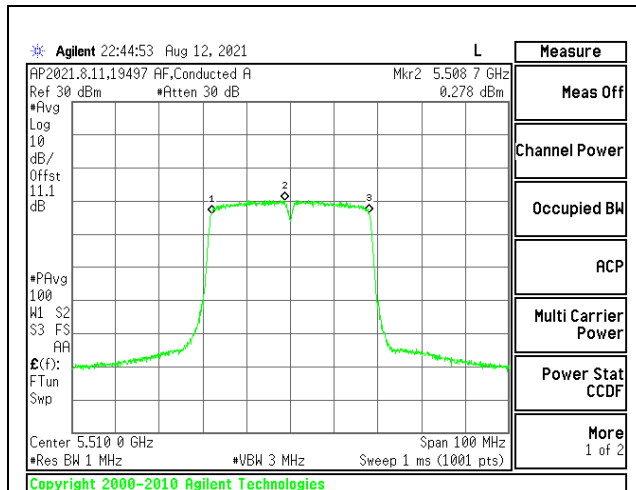
| | | |
|---------------------------|--|---|
| Duty Cycle CF (dB) | | Included in Calculations of Corr'd Power & PSD |
|---------------------------|--|---|

Output Power Results

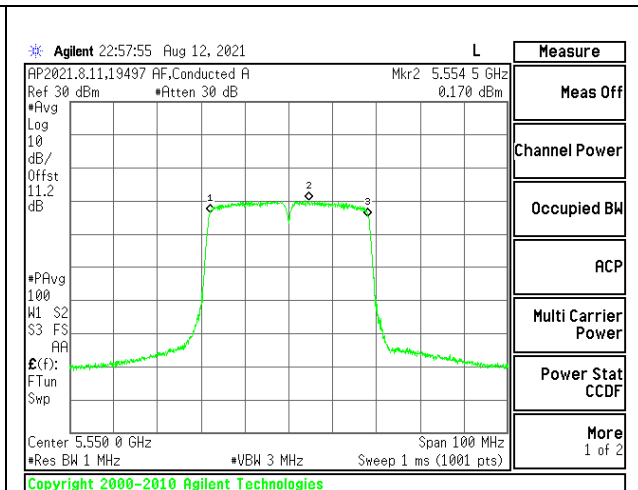
| Channel | Frequency (MHz) | Meas Power (dBm) | Total Corr'd Power (dBm) | Power Limit (dBm) | Power Margin (dB) |
|---------|--------------------|------------------------|-----------------------------------|-------------------------|-------------------------|
| Low | 5510 | 14.73 | 14.73 | 24.00 | -9.27 |
| Mid | 5550 | 14.62 | 14.62 | 24.00 | -9.38 |
| High | 5670 | 14.58 | 14.58 | 24.00 | -9.42 |
| 142 | 5710 | 14.67 | 14.67 | 24.00 | -9.33 |

PSD Results

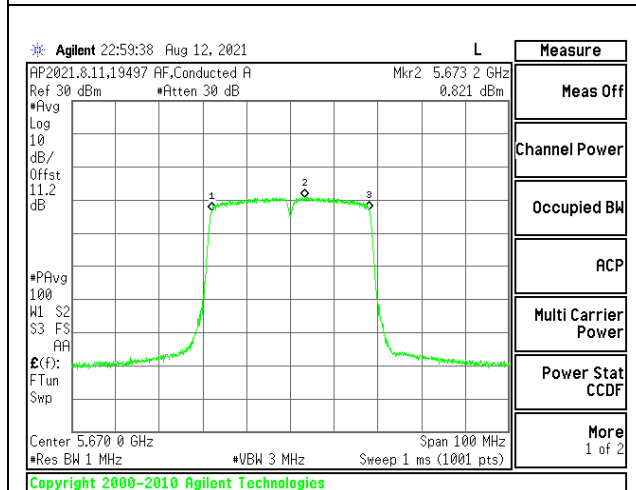
| Channel | Frequency (MHz) | Meas PSD (dBm/ 1MHz) | Total Corr'd PSD (dBm/ 1MHz) | PSD Limit (dBm/ 1MHz) | PSD Margin (dB) |
|---------|--------------------|-------------------------------|--|--------------------------------|-----------------------|
| Low | 5510 | 0.28 | 0.28 | 11.00 | -10.72 |
| Mid | 5550 | 0.17 | 0.17 | 11.00 | -10.83 |
| High | 5670 | 0.82 | 0.82 | 11.00 | -10.18 |
| 142 | 5710 | 1.17 | 1.17 | 11.00 | -9.83 |



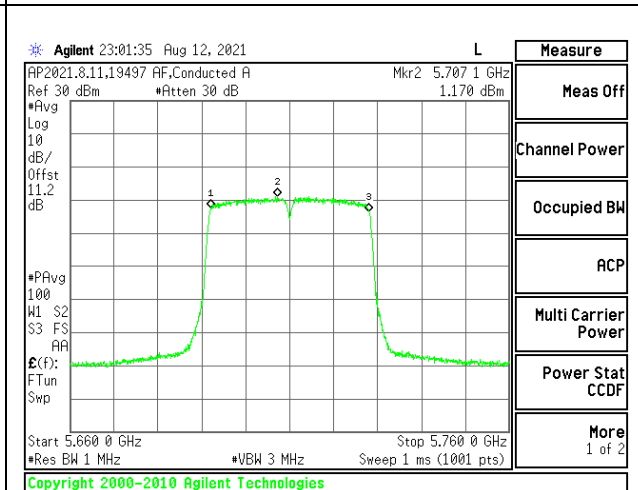
LOW CHANNEL



MID CHANNEL



HIGH CHANNEL



CHANNEL 142

1TX Antenna 2 MODE (FCC+IC)

| | |
|-----------------------|----------|
| Test Engineer: | 16080 ZS |
| Test Date: | 8/17/21 |

Bandwidth and Antenna Gain

| Channel | Frequency (MHz) | Min 26 dB BW (MHz) | Min 99% BW (MHz) | Directional Gain (dBi) |
|---------|--------------------|-----------------------------|---------------------------|------------------------------|
| Low | 5510 | 40.70 | 35.919 | 4.50 |
| Mid | 5550 | 40.50 | 36.030 | 4.50 |
| High | 5670 | 40.50 | 36.003 | 4.50 |
| 142 | 5710 | 35.30 | 33.008 | 4.50 |

Limits

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

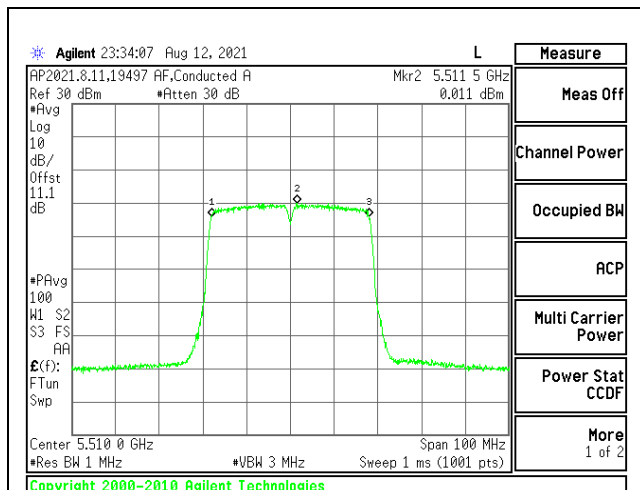
| | | |
|---------------------------|------|---|
| Duty Cycle CF (dB) | 0.00 | Included in Calculations of Corr'd Power & PSD |
|---------------------------|------|---|

Output Power Results

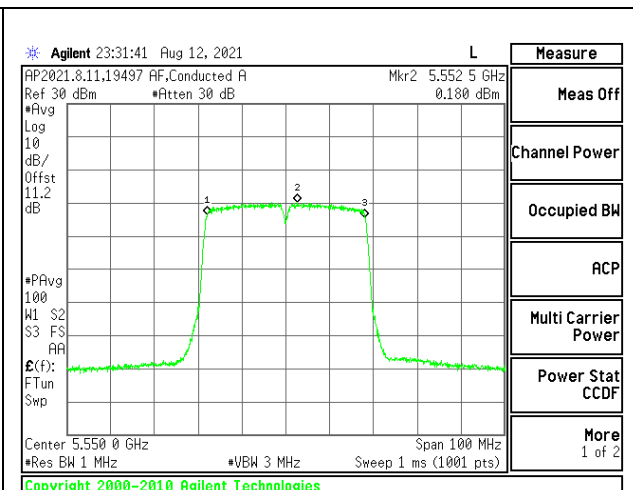
| Channel | Frequency (MHz) | Meas Power (dBm) | Total Corr'd Power (dBm) | Power Limit (dBm) | Power Margin (dB) |
|---------|--------------------|------------------------|-----------------------------------|-------------------------|-------------------------|
| Low | 5510 | 14.10 | 14.10 | 24.00 | -9.90 |
| Mid | 5550 | 14.03 | 14.03 | 24.00 | -9.97 |
| High | 5670 | 13.96 | 13.96 | 24.00 | -10.04 |
| 142 | 5710 | 14.06 | 14.06 | 24.00 | -9.94 |

PSD Results

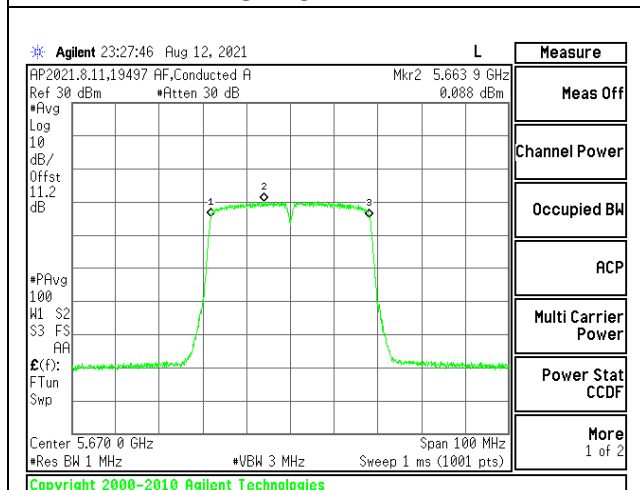
| Channel | Frequency (MHz) | Meas PSD (dBm/ 1MHz) | Total Corr'd PSD (dBm/ 1MHz) | PSD Limit (dBm/ 1MHz) | PSD Margin (dB) |
|---------|--------------------|-------------------------------|--|--------------------------------|-----------------------|
| Low | 5510 | 0.01 | 0.01 | 11.00 | -10.99 |
| Mid | 5550 | 0.18 | 0.18 | 11.00 | -10.82 |
| High | 5670 | 0.09 | 0.09 | 11.00 | -10.91 |
| 142 | 5710 | 0.20 | 0.20 | 11.00 | -10.80 |



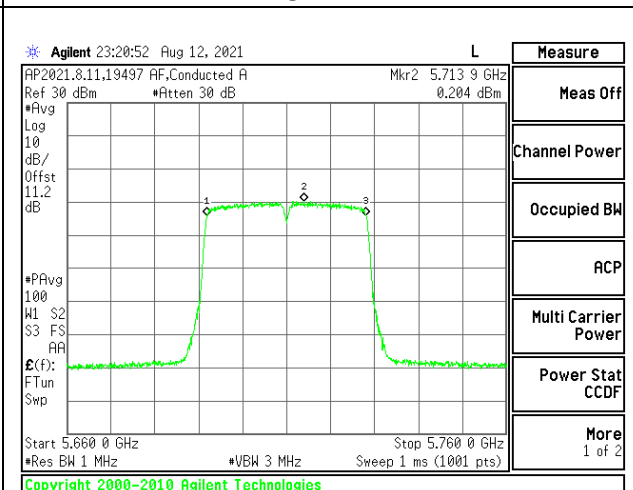
LOW CHANNEL



MID CHANNEL



HIGH CHANNEL



CHANNEL 142

2TX Antenna 1 + Antenna 2 CDD MODE (FCC+IC)

| | |
|-----------------------|----------|
| Test Engineer: | 16080 ZS |
| Test Date: | 8/17/21 |

Bandwidth and Antenna Gain

| Channel | Frequency (MHz) | Min 26 dB BW (MHz) | Min 99% BW (MHz) | Directional Gain for Power (dBi) | Directional Gain for PSD (dBi) |
|---------|--------------------|-----------------------------|---------------------------|---|---|
| Low | 5510 | 40.30 | 35.970 | 4.03 | 7.02 |
| Mid | 5550 | 40.40 | 35.971 | 4.03 | 7.02 |
| High | 5670 | 40.20 | 35.995 | 4.03 | 7.02 |
| 142 | 5710 | 35.10 | 32.986 | 4.03 | 7.02 |

Limits

| Channel | Frequency (MHz) | FCC Power Limit (dBm) | ISED Power Limit (dBm) | ISED EIRP Limit (dBm) | Power Limit (dBm) | FCC PSD Limit (dBm/ 1MHz) | ISED PSD Limit (dBm/ 1MHz) | PSD Limit (dBm/ 1MHz) |
|---------|--------------------|--------------------------------|---------------------------------|--------------------------------|-------------------------|---------------------------------------|--|--------------------------------|
| Low | 5510 | 24.00 | 24.00 | 30.00 | 24.00 | 9.98 | 11.00 | 9.98 |
| Mid | 5550 | 24.00 | 24.00 | 30.00 | 24.00 | 9.98 | 11.00 | 9.98 |
| High | 5670 | 24.00 | 24.00 | 30.00 | 24.00 | 9.98 | 11.00 | 9.98 |
| 142 | 5710 | 24.00 | 24.00 | 30.00 | 24.00 | 9.98 | 11.00 | 9.98 |

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

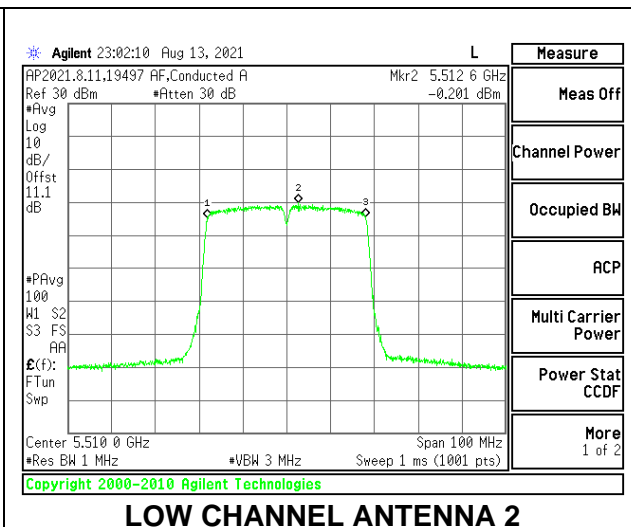
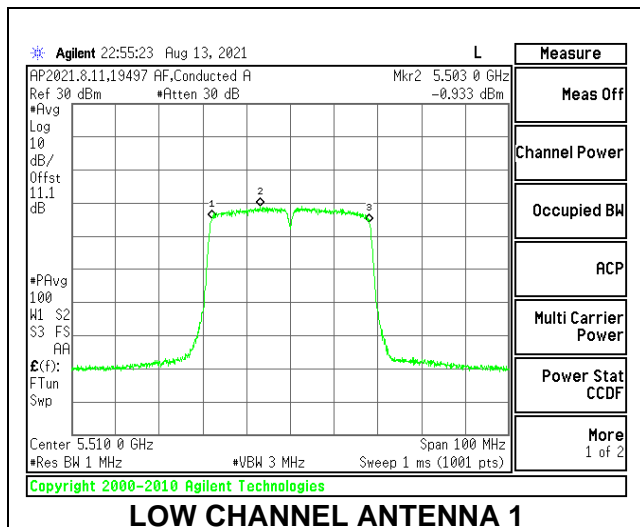
Output Power Results

| Channel | Frequency (MHz) | Antenna 1 Meas Power (dBm) | Antenna 2 Meas Power (dBm) | Total Corr'd Power (dBm) | Power Limit (dBm) | Power Margin (dB) |
|---------|--------------------|-------------------------------------|-------------------------------------|-----------------------------------|-------------------------|-------------------------|
| Low | 5510 | 13.04 | 13.29 | 16.18 | 24.00 | -7.82 |
| Mid | 5550 | 13.08 | 13.74 | 16.43 | 24.00 | -7.57 |
| High | 5670 | 13.03 | 13.41 | 16.23 | 24.00 | -7.77 |
| 142 | 5710 | 12.88 | 13.42 | 16.17 | 24.00 | -7.83 |

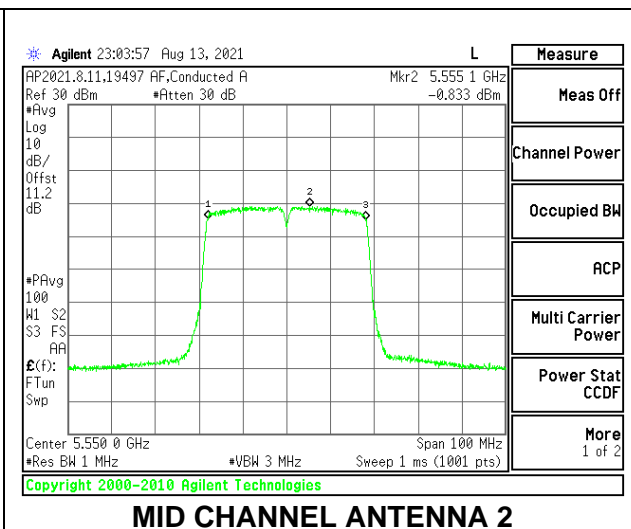
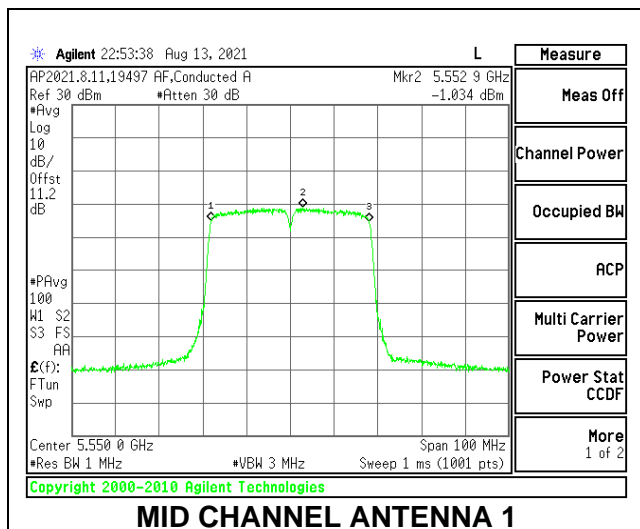
PSD Results

| Channel | Frequency (MHz) | Antenna 1 Meas PSD (dBm/ 1MHz) | Antenna 2 Meas PSD (dBm/ 1MHz) | Total Corr'd PSD (dBm/ 1MHz) | PSD Limit (dBm/ 1MHz) | PSD Margin (dB) |
|---------|--------------------|--|--|--|--------------------------------|-----------------------|
| Low | 5510 | -0.93 | -0.20 | 2.46 | 9.98 | -7.52 |
| Mid | 5550 | -1.03 | -0.83 | 2.08 | 9.98 | -7.90 |
| High | 5670 | -0.08 | -0.61 | 2.68 | 9.98 | -7.30 |
| 142 | 5710 | -0.36 | -0.32 | 2.67 | 9.98 | -7.31 |

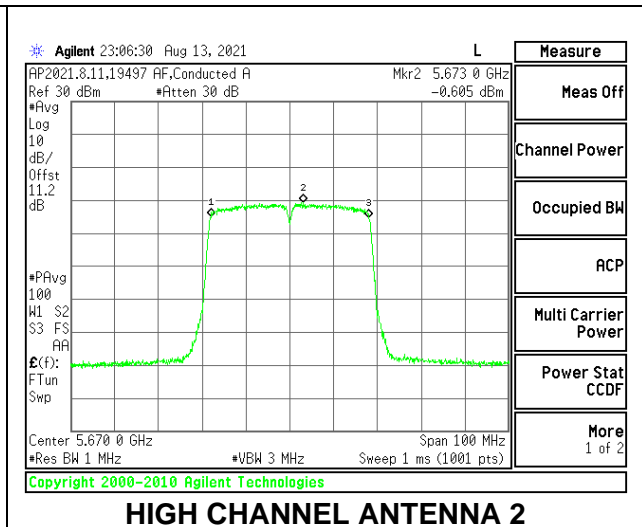
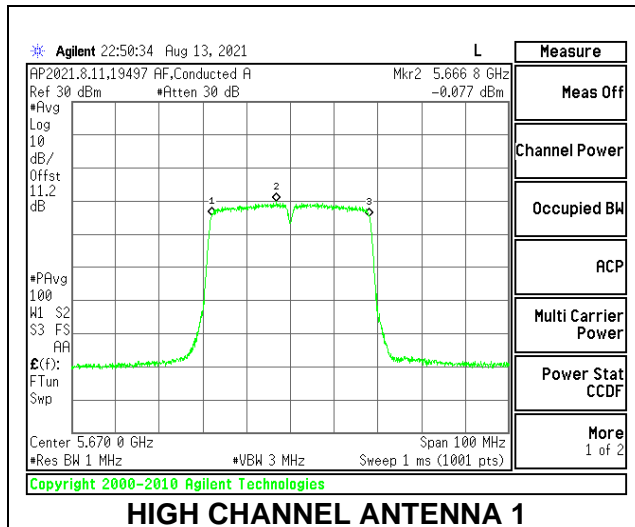
LOW CHANNEL



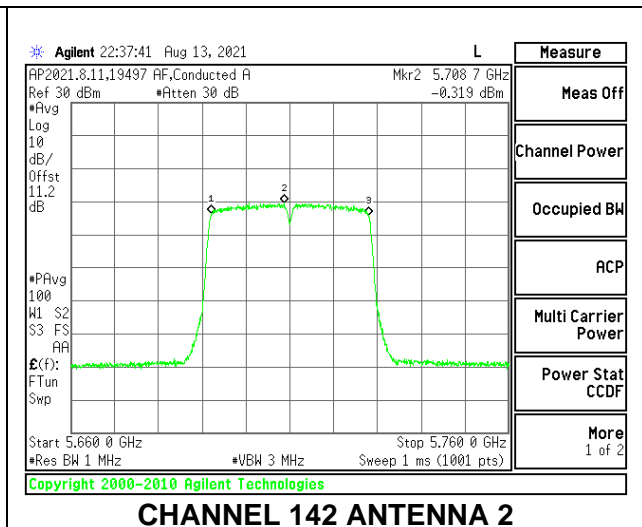
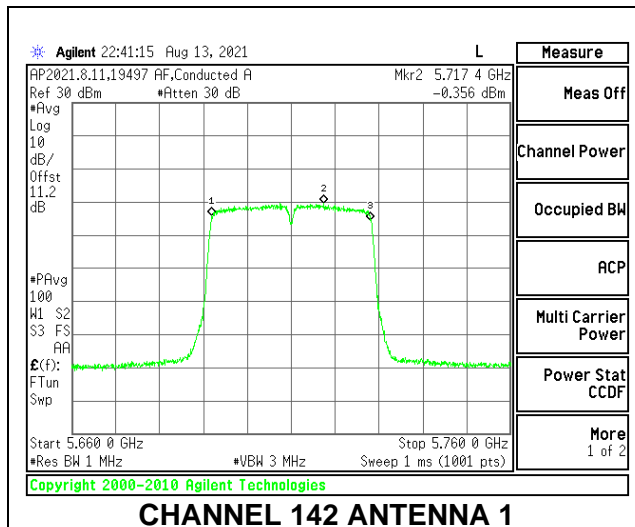
MID CHANNEL



HIGH CHANNEL



CHANNEL 142



9.5.13. 802.11ac VHT80 MODE IN THE 5.6 GHz BAND

1TX Antenna 1 MODE (FCC+IC)

| | |
|-----------------------|----------|
| Test Engineer: | 16080 ZS |
| Test Date: | 8/17/21 |

Bandwidth and Antenna Gain

| Channel | Frequency (MHz) | Min 26 dB BW (MHz) | Min 99% BW (MHz) | Directional Gain (dBi) |
|---------|--------------------|-----------------------------|---------------------------|------------------------------|
| Low | 5530 | 83.60 | 75.436 | 3.50 |
| High | 5610 | 83.60 | 75.341 | 3.50 |
| 138 | 5690 | 76.90 | 72.722 | 3.50 |

Limits

| Channel | Frequency (MHz) | FCC Power Limit (dBm) | ISED Power Limit (dBm) | ISED EIRP Limit (dBm) | Power Limit (dBm) | FCC PSD Limit (dBm/ 1MHz) | ISED PSD Limit (dBm/ 1MHz) | PSD Limit (dBm/ 1MHz) |
|---------|--------------------|--------------------------------|---------------------------------|--------------------------------|-------------------------|---------------------------------------|--|--------------------------------|
| Low | 5530 | 24.00 | 24.00 | 30.00 | 24.00 | 11.00 | 11.00 | 11.00 |
| High | 5610 | 24.00 | 24.00 | 30.00 | 24.00 | 11.00 | 11.00 | 11.00 |
| 138 | 5690 | 24.00 | 24.00 | 30.00 | 24.00 | 11.00 | 11.00 | 11.00 |

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

Output Power Results

| Channel | Frequency (MHz) | Meas Power (dBm) | Total Corr'd Power (dBm) | Power Limit (dBm) | Power Margin (dB) |
|---------|--------------------|------------------------|-----------------------------------|-------------------------|-------------------------|
| Low | 5530 | 14.65 | 14.65 | 24.00 | -9.35 |
| High | 5610 | 14.68 | 14.68 | 24.00 | -9.32 |
| 138 | 5690 | 14.53 | 14.53 | 24.00 | -9.47 |

PSD Results

| Channel | Frequency (MHz) | Meas PSD (dBm/ 1MHz) | Total Corr'd PSD (dBm/ 1MHz) | PSD Limit (dBm/ 1MHz) | PSD Margin (dB) |
|---------|--------------------|-------------------------------|--|--------------------------------|-----------------------|
| Low | 5530 | -2.80 | -2.80 | 11.00 | -13.80 |
| High | 5610 | -2.60 | -2.60 | 11.00 | -13.60 |
| 138 | 5690 | -2.53 | -2.53 | 11.00 | -13.53 |