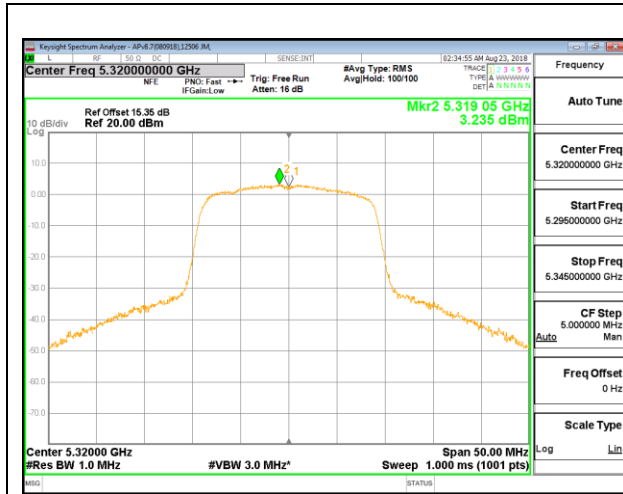
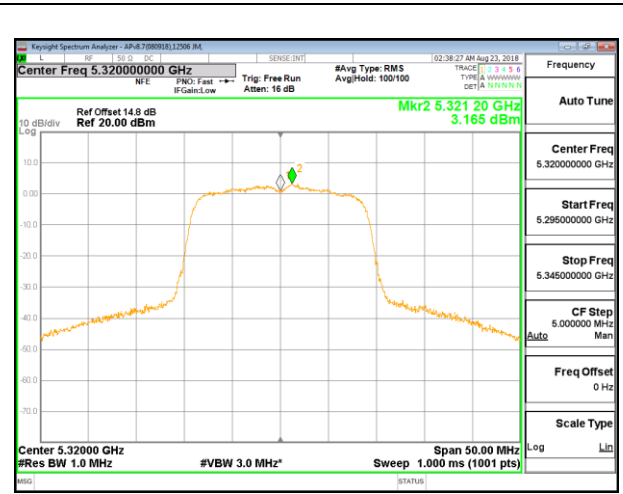


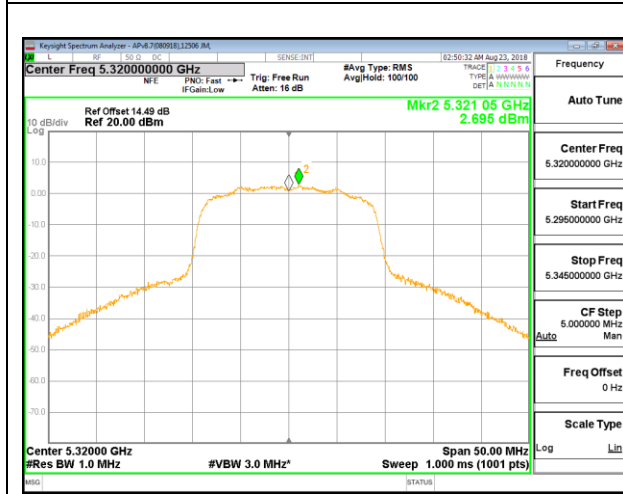
HIGH CHANNEL



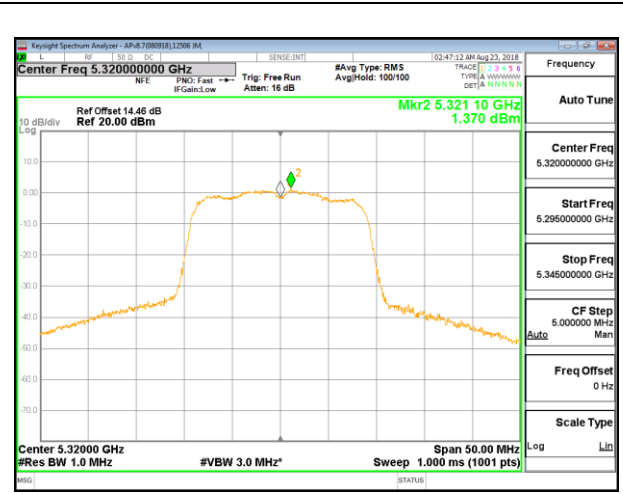
HIGH CHANNEL CHAIN 0



HIGH CHANNEL CHAIN 1



HIGH CHANNEL CHAIN 2



HIGH CHANNEL CHAIN 3

8.5.1.7. 802.11n HT20 MODE IN THE 5.6 GHz BAND

FCC+IC

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 | 20.3000 | 17.4780 | 4.41 | 7.42 |
| Mid | 5580 | 20.4500 | 17.5630 | 4.41 | 7.42 |
| High | 5700 | 20.3000 | 17.5050 | 4.41 | 7.42 |

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 | 23.42 | 29.42 | 23.42 | 9.58 | 11.00 | 9.58 |
| Mid | 5580 | 24.00 | 23.45 | 29.45 | 23.45 | 9.58 | 11.00 | 9.58 |
| High | 5700 | 24.00 | 23.43 | 29.43 | 23.43 | 9.58 | 11.00 | 9.58 |

| | | |
|---------------------------|------|---|
| Duty Cycle CF (dB) | 0.46 | Included in Calculations of Corr'd Power & PSD |
|---------------------------|------|---|

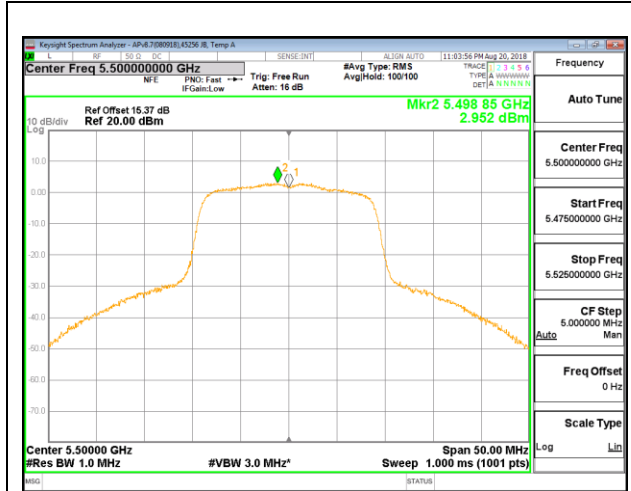
Output Power Results

| Channel | Frequency (MHz) | Chain 0 Meas Power (dBm) | Chain 1 Meas Power (dBm) | Chain 2 Meas Power (dBm) | Chain 3 Meas Power (dBm) | Total Corr'd Power (dBm) | Power Limit (dBm) | Power Margin (dB) |
|---------|--------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-------------------------|-------------------------|
| Low | 5500 | 14.01 | 14.88 | 14.90 | 13.24 | 20.33 | 23.42 | -3.09 |
| Mid | 5580 | 14.25 | 14.49 | 15.04 | 13.63 | 20.40 | 23.45 | -3.04 |
| High | 5700 | 12.41 | 12.38 | 13.07 | 11.06 | 18.31 | 23.43 | -5.12 |

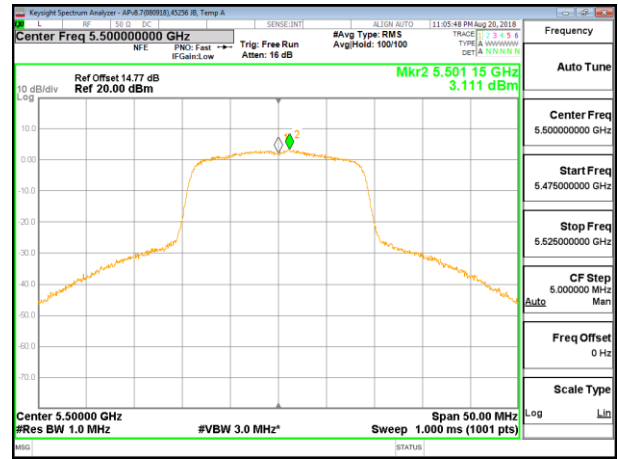
PSD Results

| Channel | Frequency (MHz) | Chain 0 Meas PSD (dBm/ 1MHz) | Chain 1 Meas PSD (dBm/ 1MHz) | Chain 2 Meas PSD (dBm/ 1MHz) | Chain 3 Meas PSD (dBm/ 1MHz) | Total Corr'd PSD (dBm/ 1MHz) | PSD Limit (dBm/ 1MHz) | PSD Margin (dB) |
|---------|--------------------|--|--|--|--|--|--------------------------------|-----------------------|
| Low | 5500 | 2.952 | 3.111 | 3.122 | 1.887 | 9.278 | 9.58 | -0.30 |
| Mid | 5580 | 3.428 | 2.896 | 3.369 | 2.496 | 9.544 | 9.58 | -0.04 |
| High | 5700 | 3.146 | 2.823 | 3.230 | 2.303 | 9.371 | 9.58 | -0.21 |

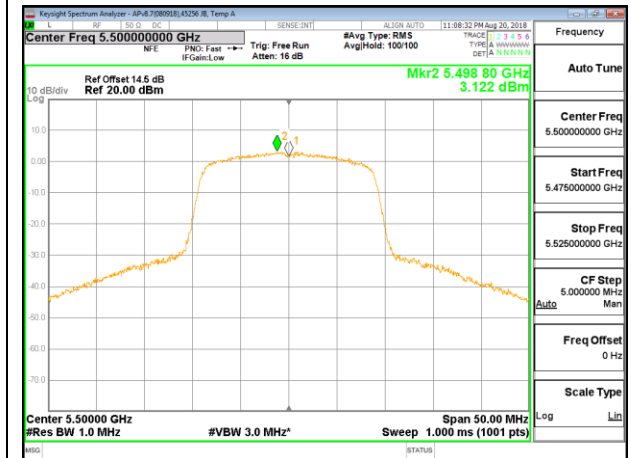
LOW CHANNEL



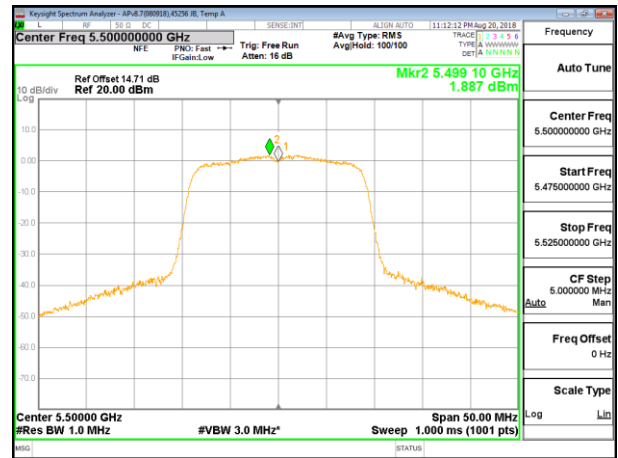
LOW CHANNEL CHAIN 0



LOW CHANNEL CHAIN 1

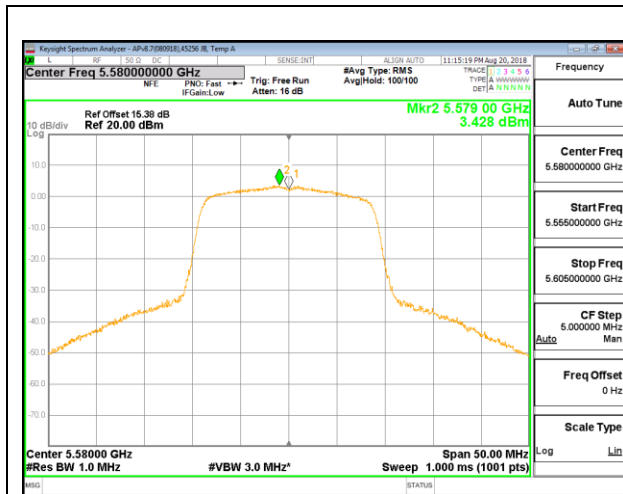


LOW CHANNEL CHAIN 2

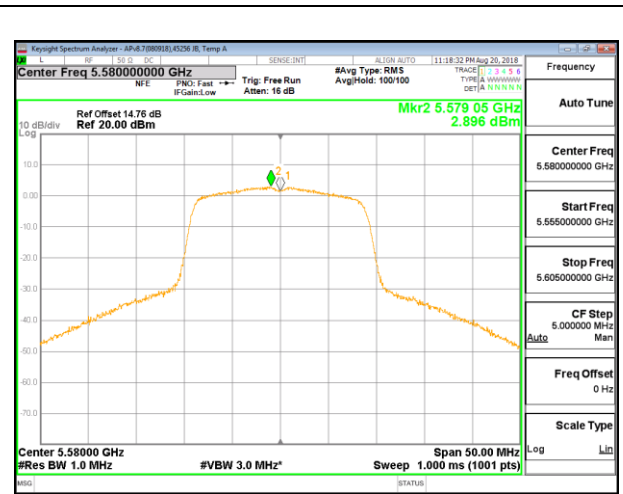


LOW CHANNEL CHAIN 3

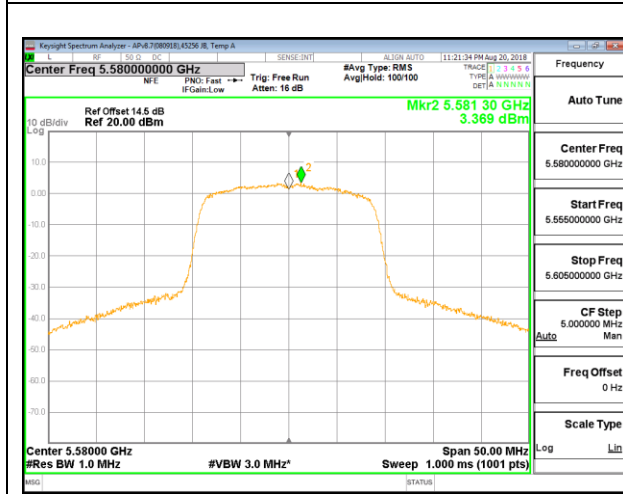
MID CHANNEL



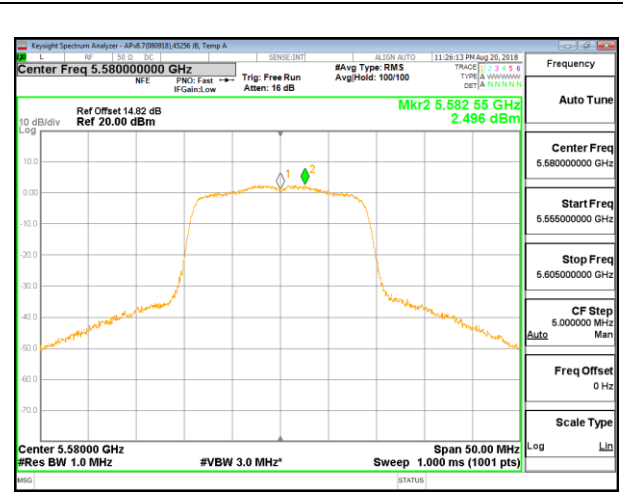
MID CHANNEL CHAIN 0



MID CHANNEL CHAIN 1

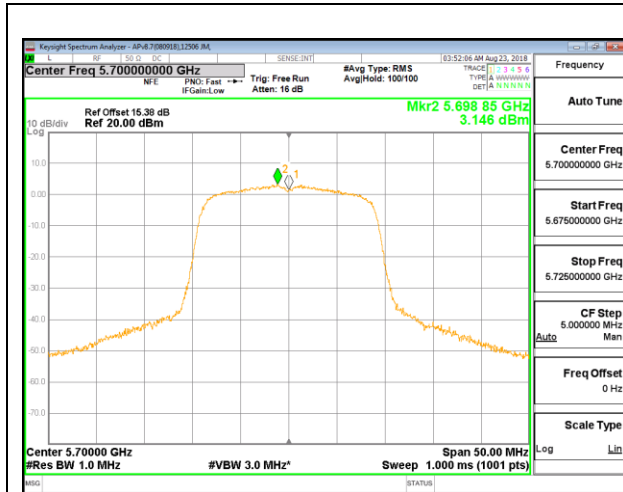


MID CHANNEL CHAIN 2

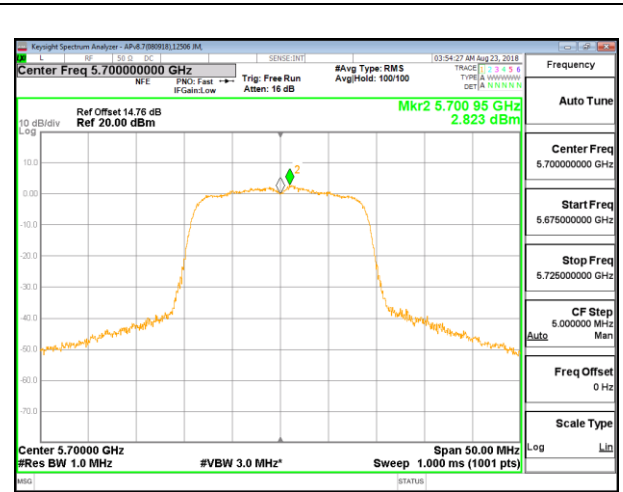


MID CHANNEL CHAIN 3

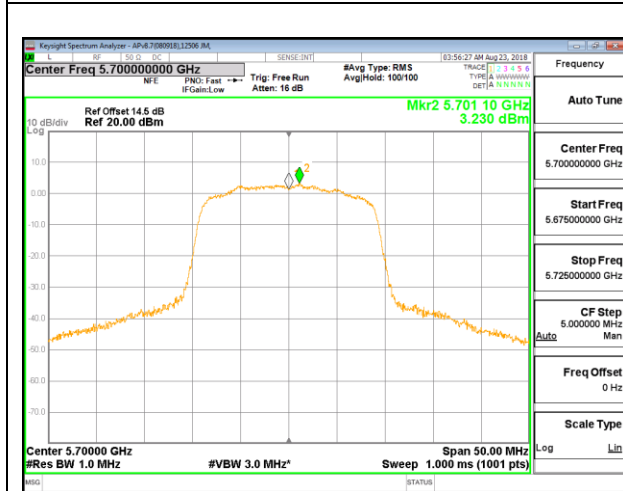
HIGH CHANNEL



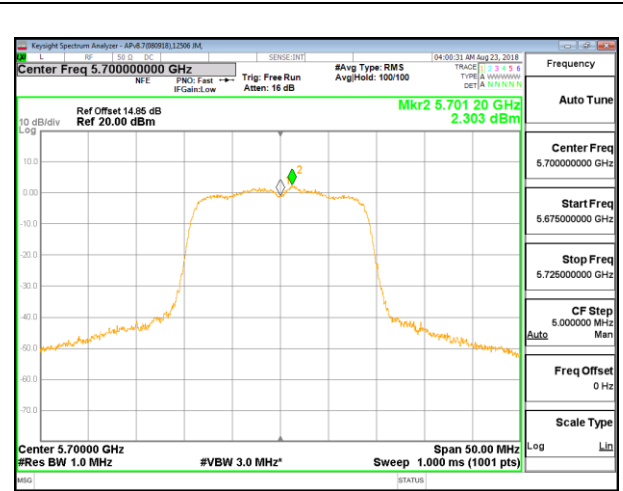
HIGH CHANNEL CHAIN 0



HIGH CHANNEL CHAIN 1



HIGH CHANNEL CHAIN 2



HIGH CHANNEL CHAIN 3

8.5.1.8. 802.11n HT20 MODE IN THE 5.8 GHz BAND

FCC+IC

Antenna Gain and Limit

| Channel | Frequency (MHz) | Directional Gain for Power (dBi) | Directional Gain for PSD (dBm) | FCC/ISED Power Limit (dBm) | FCC/ISED PSD Limit (dBm/ 1MHz) |
|---------|--------------------|---|---|-------------------------------------|--|
| Low | 5745 | 4.41 | 7.42 | 30.00 | 28.58 |
| Mid | 5785 | 4.41 | 7.42 | 30.00 | 28.58 |
| High | 5825 | 4.41 | 7.42 | 30.00 | 28.58 |

| | | |
|---------------------------|------|---|
| Duty Cycle CF (dB) | 0.46 | Included in Calculations of Corr'd Power & PSD |
|---------------------------|------|---|

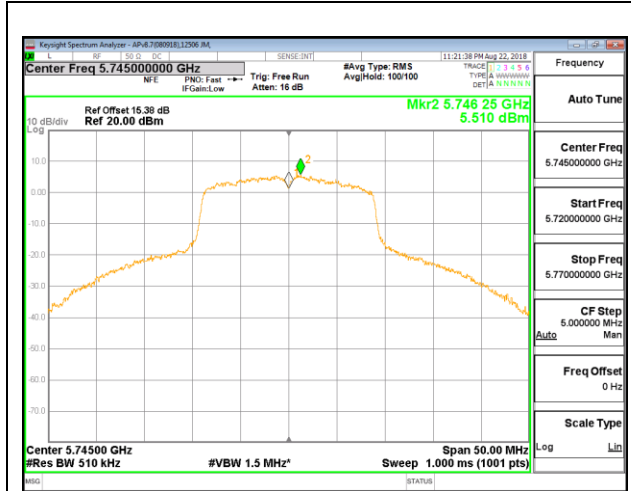
Output Power Results

| Channel | Frequency (MHz) | Chain 0 Meas Power (dBm) | Chain 1 Meas Power (dBm) | Chain 2 Meas Power (dBm) | Chain 3 Meas Power (dBm) | Total Corr'd Power (dBm) | Power Limit (dBm) | Power Margin (dB) |
|---------|--------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-------------------------|-------------------------|
| Low | 5745 | 17.93 | 17.48 | 17.96 | 17.96 | 23.86 | 30.00 | -6.14 |
| Mid | 5785 | 17.89 | 17.45 | 17.95 | 17.86 | 23.81 | 30.00 | -6.19 |
| High | 5825 | 17.74 | 17.20 | 17.52 | 17.65 | 23.55 | 30.00 | -6.45 |

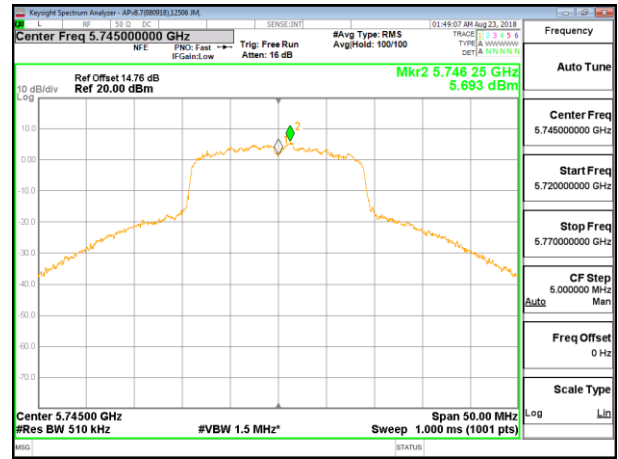
PSD Results

| Channel | Frequency (MHz) | Chain 0 Meas PSD (dBm/ 1MHz) | Chain 1 Meas PSD (dBm/ 1MHz) | Chain 2 Meas PSD (dBm/ 1MHz) | Chain 3 Meas PSD (dBm/ 1MHz) | Total Corr'd PSD (dBm/ 1MHz) | PSD Limit (dBm/ 1MHz) | PSD Margin (dB) |
|---------|--------------------|--|--|--|--|--|--------------------------------|-----------------------|
| Low | 5745 | 5.510 | 5.693 | 5.504 | 6.435 | 12.283 | 28.58 | -16.30 |
| Mid | 5785 | 5.416 | 5.122 | 5.156 | 5.599 | 11.808 | 28.58 | -16.77 |
| High | 5825 | 5.667 | 5.200 | 5.327 | 5.000 | 11.786 | 28.58 | -16.79 |

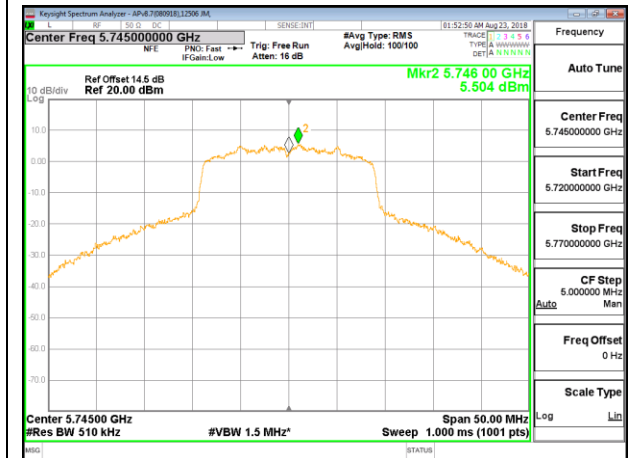
LOW CHANNEL



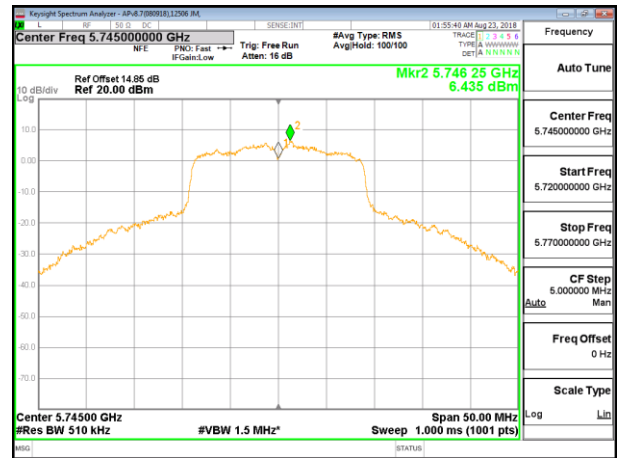
LOW CHANNEL CHAIN 0



LOW CHANNEL CHAIN 1

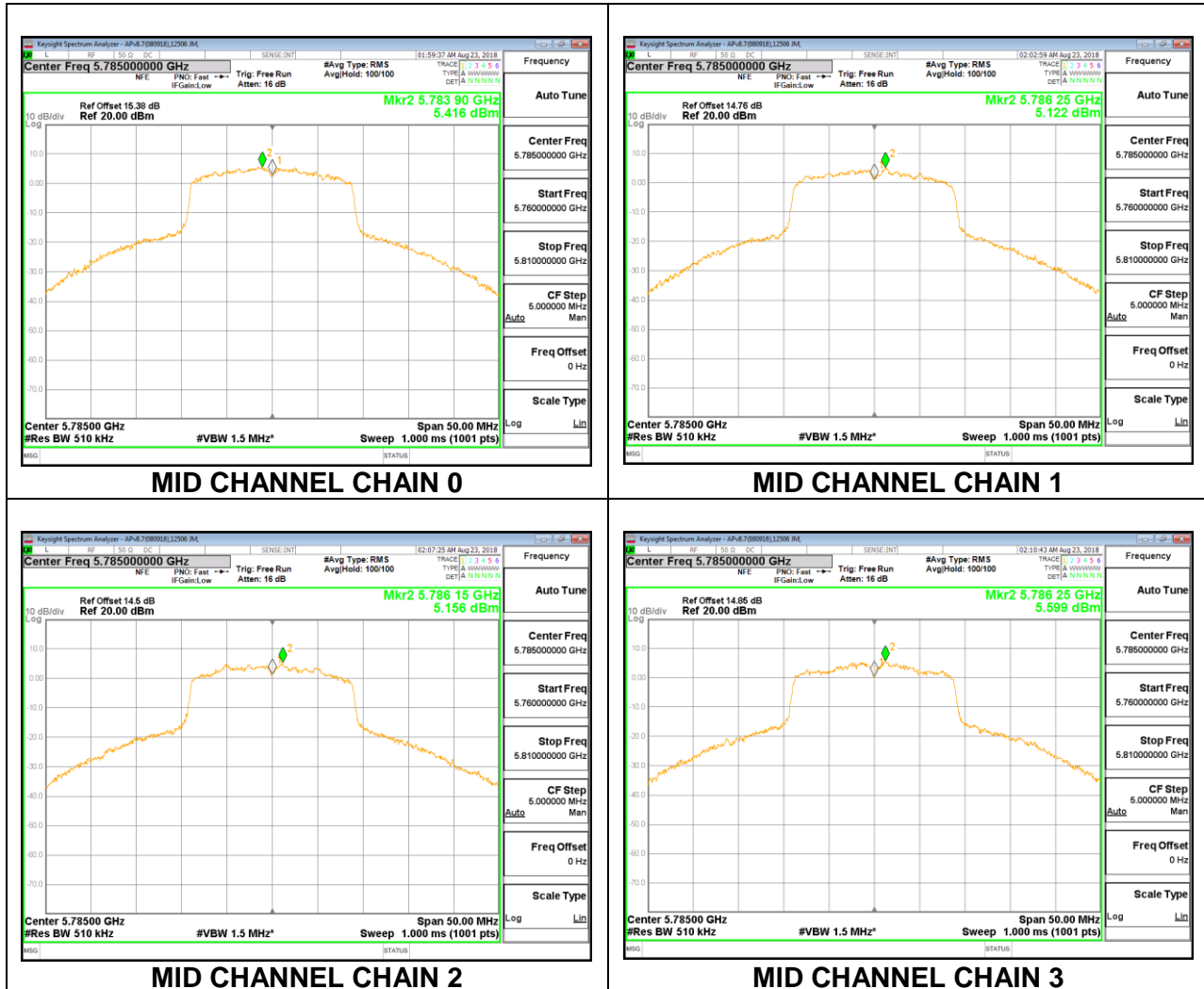


LOW CHANNEL CHAIN 2

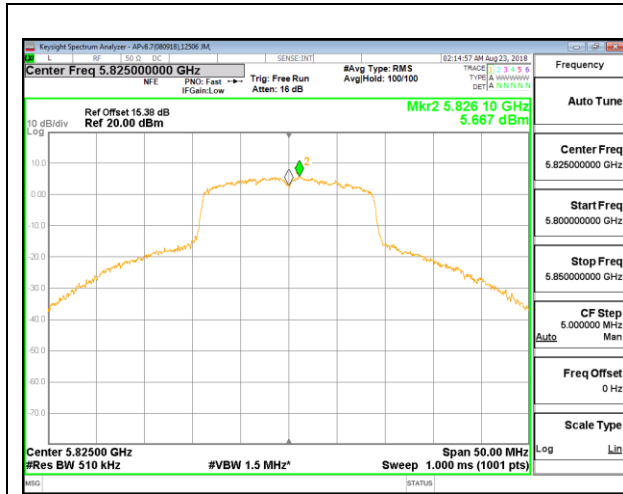


LOW CHANNEL CHAIN 3

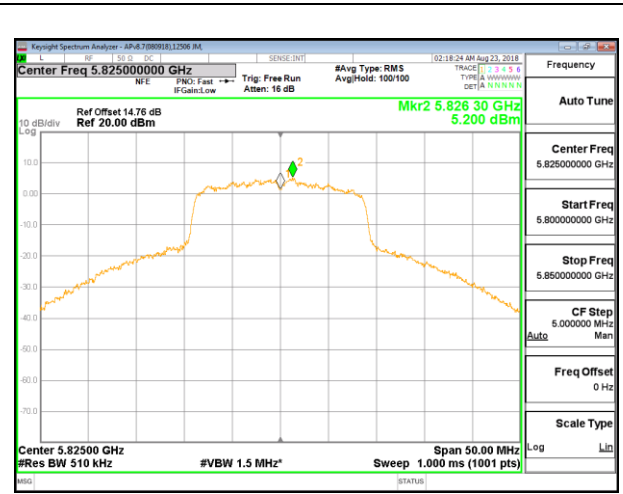
MID CHANNEL



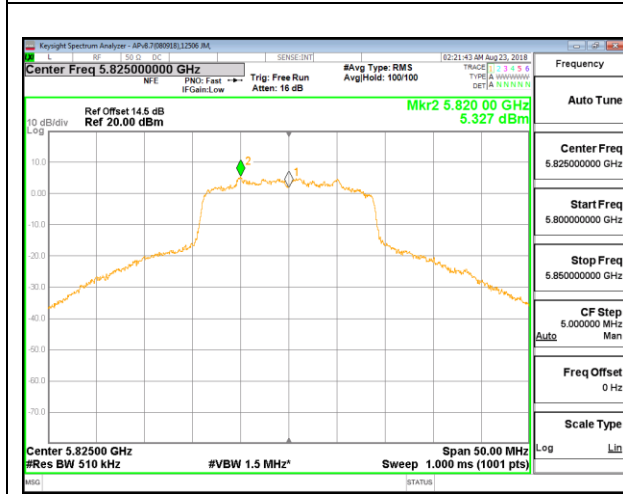
HIGH CHANNEL



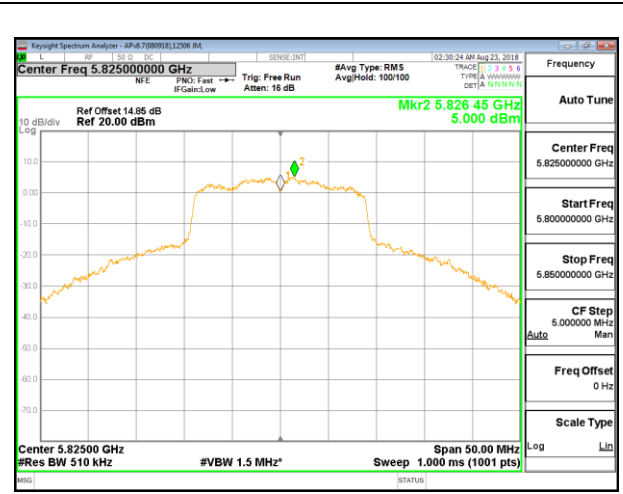
HIGH CHANNEL CHAIN 0



HIGH CHANNEL CHAIN 1



HIGH CHANNEL CHAIN 2



HIGH CHANNEL CHAIN 3

8.5.2 RADIO 1

8.5.2.1. 802.11n HT20 MODE IN THE 5.2 GHz BAND

IC

Bandwidth and Antenna Gain

| Channel | Frequency (MHz) | Min 99% BW (MHz) |
|---------|--------------------|---------------------------|
| Low | 5180 | 17.6510 |
| Mid | 5200 | 17.5540 |
| High | 5240 | 17.5460 |

Limits

| Channel | Frequency (MHz) | ISED EIRP Limit (dBm) | ISED eirp PSD Limit (dBm/ 1MHz) |
|---------|--------------------|--------------------------------|--|
| Low | 5180 | 22.47 | 10.00 |
| Mid | 5200 | 22.44 | 10.00 |
| High | 5240 | 22.44 | 10.00 |

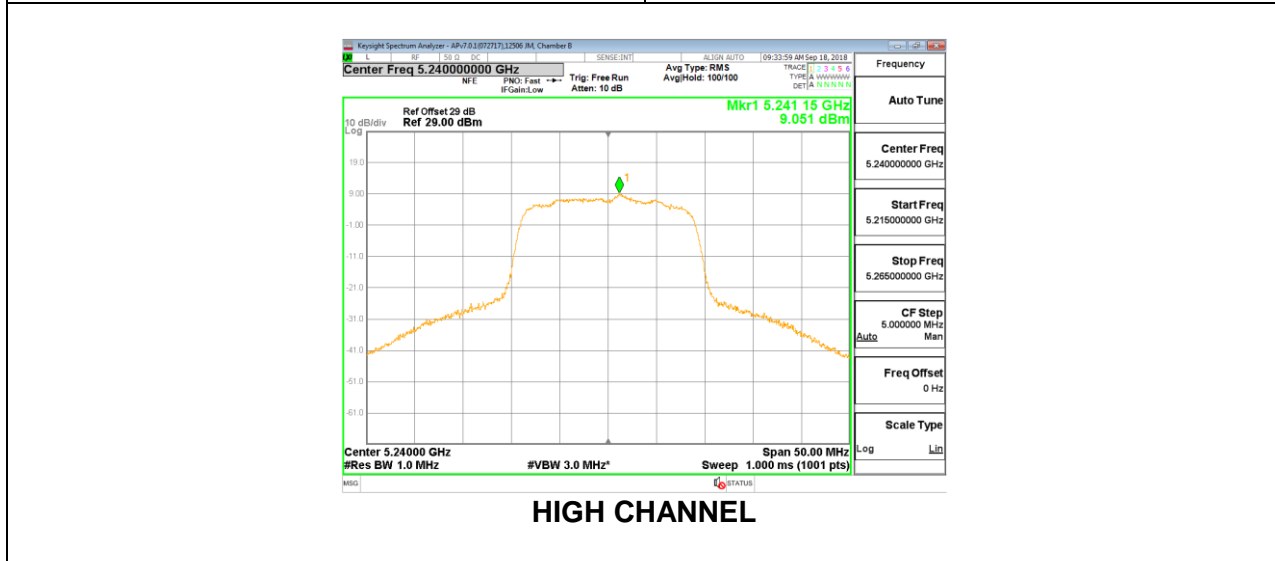
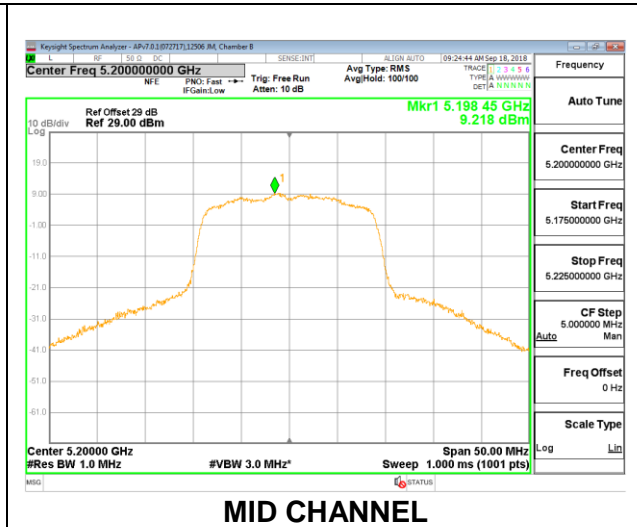
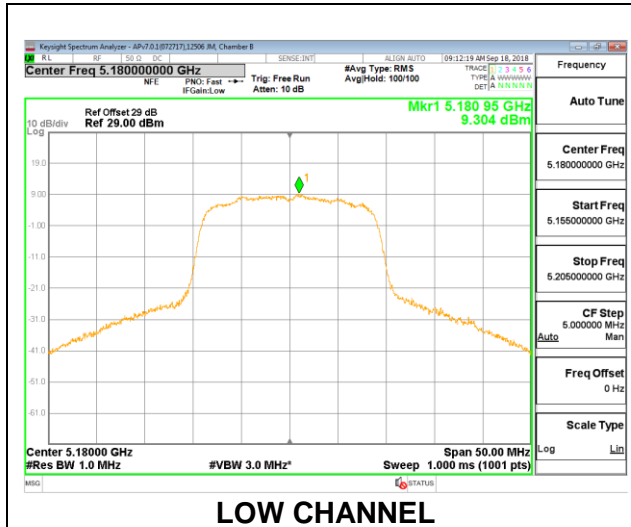
| | | |
|---------------------------|------|---|
| Duty Cycle CF (dB) | 0.46 | Included in Calculations of Corr'd PSD |
|---------------------------|------|---|

Output Power Results

| Channel | Frequency (MHz) | Total Corr'd Power (dBm) | Power Limit (dBm) | Power Margin (dB) |
|---------|--------------------|-----------------------------------|-------------------------|-------------------------|
| Low | 5180 | 19.53 | 22.47 | -2.94 |
| Mid | 5200 | 19.49 | 22.44 | -2.95 |
| High | 5240 | 19.40 | 22.44 | -3.04 |

PSD Results

| Channel | Frequency (MHz) | Total Corr'd PSD (dBm/ 1MHz) | PSD Limit (dBm/ 1MHz) | PSD Margin (dB) |
|---------|--------------------|--|--------------------------------|-----------------------|
| Low | 5180 | 9.30 | 10.00 | -0.70 |
| Mid | 5200 | 9.22 | 10.00 | -0.78 |
| High | 5240 | 9.05 | 10.00 | -0.95 |



FCC

Bandwidth and Antenna Gain

| Channel | Frequency (MHz) | Min 99% BW (MHz) | Directional Gain for Power (dBi) | Directional Gain for PSD (dBi) |
|---------|--------------------|---------------------------|---|---|
| Low | 5180 | 17.6830 | 4.41 | 7.42 |
| Mid | 5200 | 17.6310 | 4.41 | 7.42 |
| High | 5240 | 17.6680 | 4.41 | 7.42 |

Limits

| Channel | Frequency (MHz) | FCC Power Limit (dBm) | ISED EIRP Limit (dBm) | Max ISED Power (dBm) | Power Limit (dBm) | FCC PSD Limit (dBm/ 1MHz) | ISED eirp PSD Limit (dBm/ 1MHz) | PSD Limit (dBm/ 1MHz) |
|---------|--------------------|--------------------------------|--------------------------------|-------------------------------|-------------------------|---------------------------------------|--|--------------------------------|
| Low | 5180 | 24.00 | 22.48 | 18.07 | 24.00 | 9.58 | 10.00 | 9.58 |
| Mid | 5200 | 24.00 | 22.46 | 18.05 | 24.00 | 9.58 | 10.00 | 9.58 |
| High | 5240 | 24.00 | 22.47 | 18.06 | 24.00 | 9.58 | 10.00 | 9.58 |

| | | |
|---------------------------|------|---|
| Duty Cycle CF (dB) | 0.46 | Included in Calculations of Corr'd PSD |
|---------------------------|------|---|

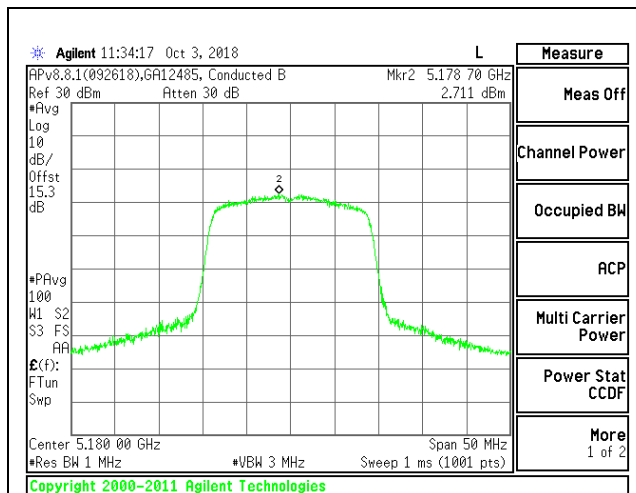
Output Power Results

| Channel | Frequency (MHz) | Chain 0 Meas Power (dBm) | Chain 1 Meas Power (dBm) | Chain 2 Meas Power (dBm) | Chain 3 Meas Power (dBm) | Total Corr'd Power (dBm) | Power Limit (dBm) | Power Margin (dB) |
|---------|--------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-------------------------|-------------------------|
| Low | 5180 | 13.42 | 13.79 | 14.52 | 13.34 | 19.81 | 24.00 | -4.19 |
| Mid | 5200 | 12.8 | 13.31 | 14.15 | 12.94 | 19.35 | 24.00 | -4.65 |
| High | 5240 | 12.53 | 13.07 | 13.89 | 12.78 | 19.12 | 24.00 | -4.88 |

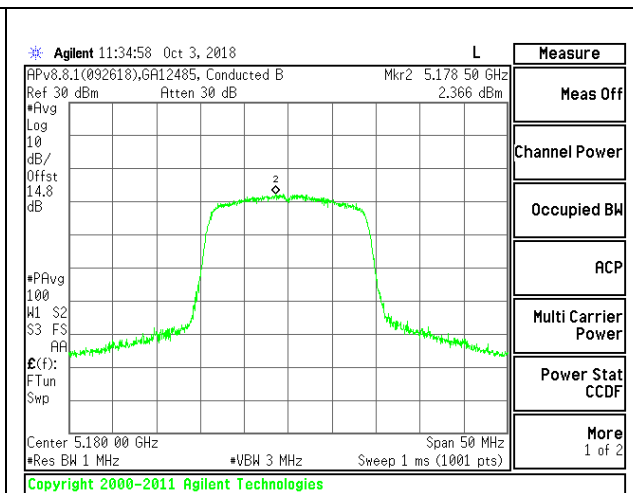
PSD Results

| Channel | Frequency (MHz) | Chain 0 Meas PSD (dBm/ 1MHz) | Chain 1 Meas PSD (dBm/ 1MHz) | Chain 2 Meas PSD (dBm/ 1MHz) | Chain 3 Meas PSD (dBm/ 1MHz) | Total Corr'd PSD (dBm/ 1MHz) | PSD Limit (dBm/ 1MHz) | PSD Margin (dB) |
|---------|--------------------|---------------------------------------|---------------------------------------|---------------------------------------|---------------------------------------|--|--------------------------------|-----------------------|
| Low | 5180 | 2.71 | 2.37 | 3.21 | 1.88 | 9.05 | 9.58 | -0.53 |
| Mid | 5200 | 2.17 | 2.30 | 2.39 | 1.69 | 8.63 | 9.58 | -0.95 |
| High | 5240 | 1.92 | 2.23 | 2.30 | 1.70 | 8.52 | 9.58 | -1.06 |

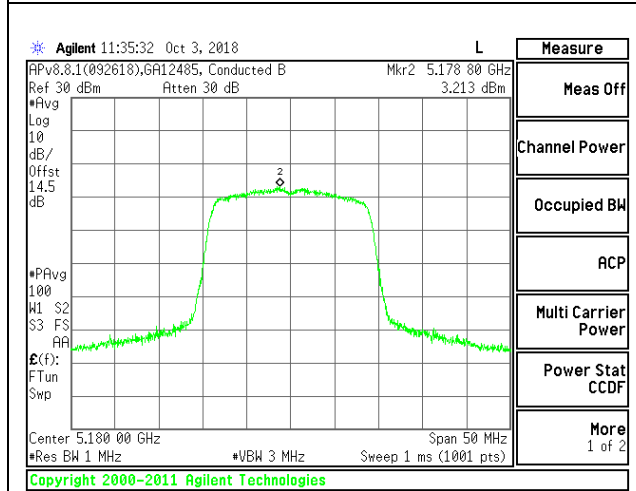
LOW CHANNEL



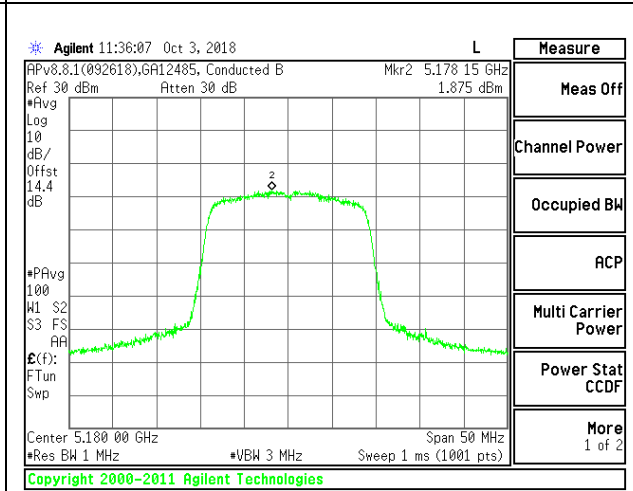
LOW CHANNEL CHAIN 0



LOW CHANNEL CHAIN 1

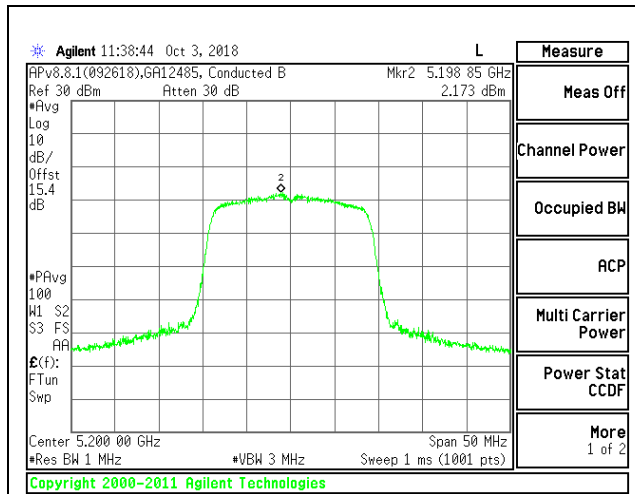


LOW CHANNEL CHAIN 2

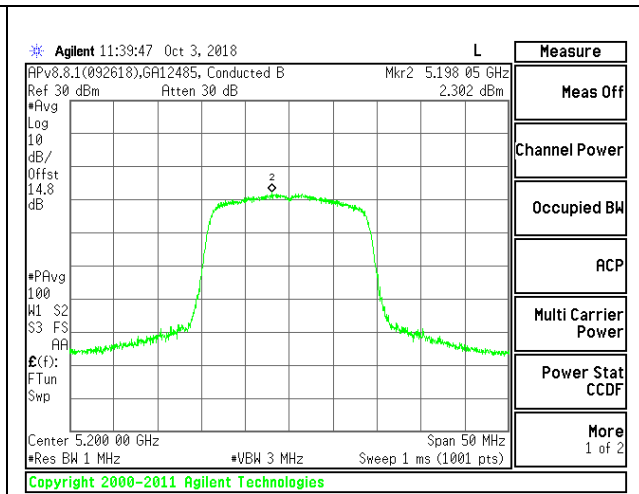


LOW CHANNEL CHAIN 3

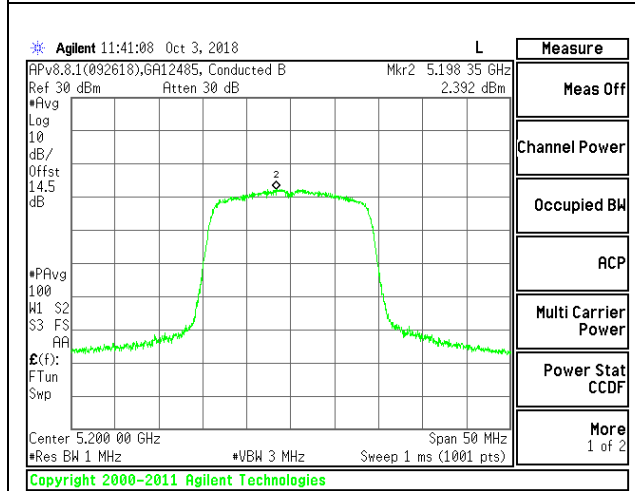
MID CHANNEL



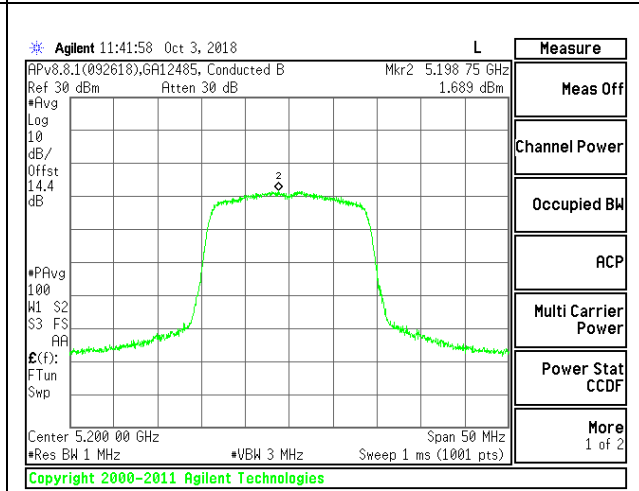
MID CHANNEL CHAIN 0



MID CHANNEL CHAIN 1

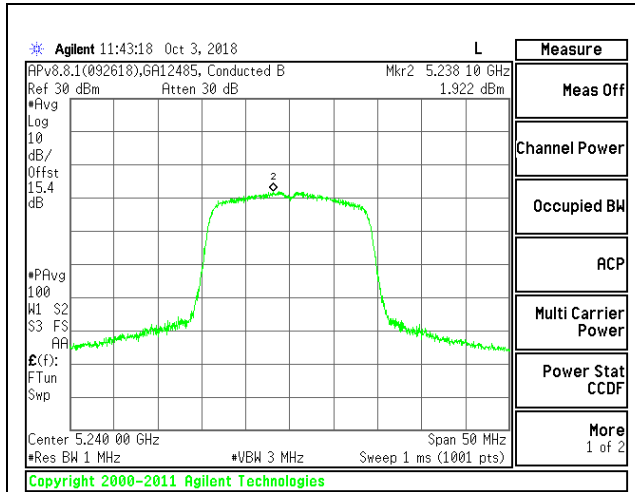


MID CHANNEL CHAIN 2

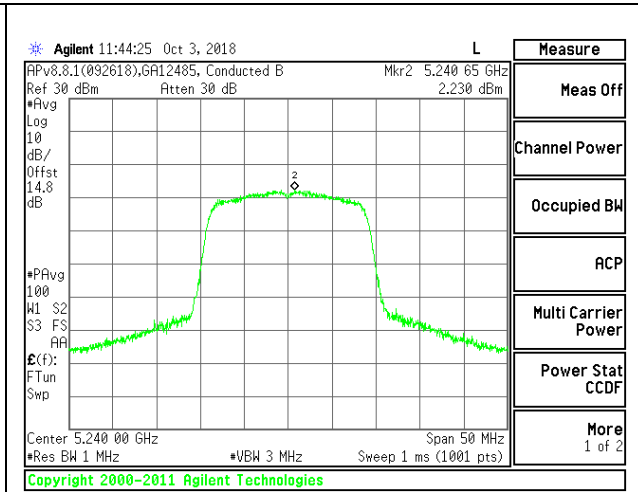


MID CHANNEL CHAIN 3

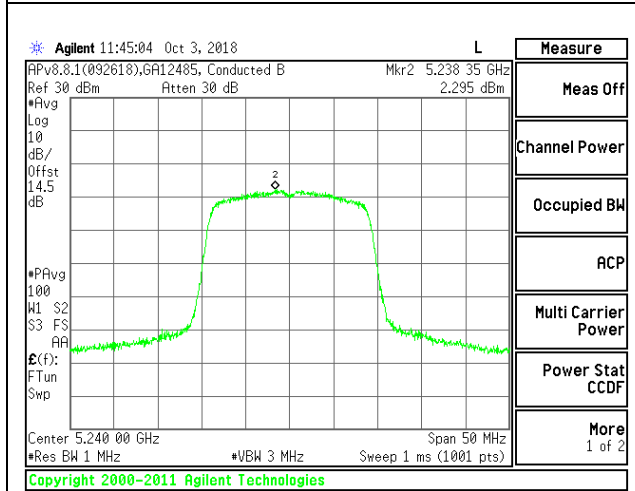
HIGH CHANNEL



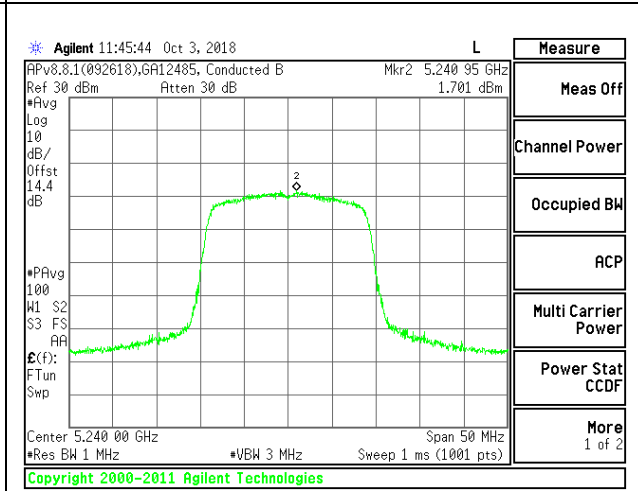
HIGH CHANNEL CHAIN 0



HIGH CHANNEL CHAIN 1



HIGH CHANNEL CHAIN 2



HIGH CHANNEL CHAIN 3

8.5.2.2. 802.11n HT20 MODE IN THE 5.3 GHz BAND

FCC+IC

Bandwidth, Antenna Gain, and Limits

| Channel | Frequency (MHz) | Min 26 dB BW (MHz) | Direction Gain for Power (dBi) | Direction Gain for PSD (dBi) | Power Limit (dBm) | PSD Limit (dBm/ 1MHz) |
|---------|--------------------|-----------------------------|--|---------------------------------------|-------------------------|--------------------------------|
| Low | 5260 | 20.10 | 4.41 | 7.42 | 24.00 | 9.58 |
| Mid | 5300 | 20.10 | 4.41 | 7.42 | 24.00 | 9.58 |
| High | 5320 | 20.35 | 4.41 | 7.42 | 24.00 | 9.58 |

| | | |
|---------------------------|------|---|
| Duty Cycle CF (dB) | 0.46 | Included in Calculations of Corr'd PSD |
|---------------------------|------|---|

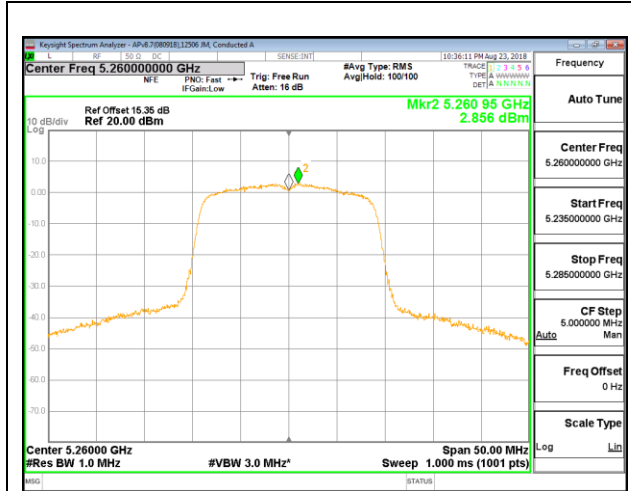
Output Power Results

| Channel | Frequency (MHz) | Chain 0 Meas Power (dBm) | Chain 1 Meas Power (dBm) | Chain 2 Meas Power (dBm) | Chain 3 Meas Power (dBm) | Total Corr'd Power (dBm) | Power Limit (dBm) | Power Margin (dB) |
|---------|--------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-------------------------|-------------------------|
| Low | 5260 | 12.78 | 12.82 | 13.53 | 11.26 | 18.69 | 24.00 | -5.31 |
| Mid | 5300 | 13.35 | 13.13 | 14.17 | 12.06 | 19.26 | 24.00 | -4.74 |
| High | 5320 | 13.33 | 13.46 | 14.14 | 12.07 | 19.33 | 24.00 | -4.67 |

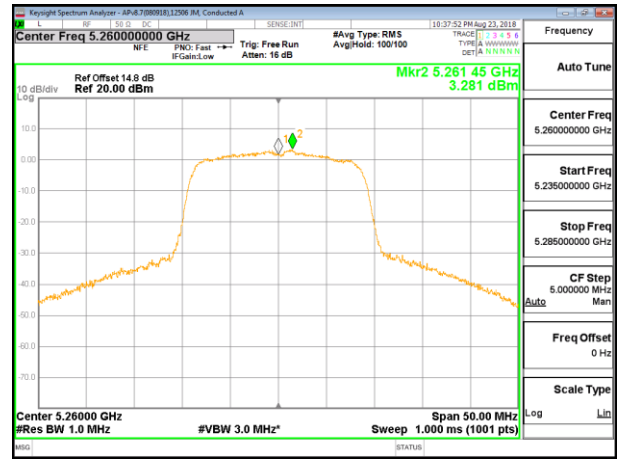
PSD Results

| Channel | Frequency (MHz) | Chain 0 Meas PSD (dBm/ 1MHz) | Chain 1 Meas PSD (dBm/ 1MHz) | Chain 2 Meas PSD (dBm/ 1MHz) | Chain 3 Meas PSD (dBm/ 1MHz) | Total Corr'd PSD (dBm/ 1MHz) | PSD Limit (dBm/ 1MHz) | PSD Margin (dB) |
|---------|--------------------|--|--|--|--|--|--------------------------------|-----------------------|
| Low | 5260 | 2.86 | 3.28 | 3.66 | 1.35 | 9.35 | 9.58 | -0.23 |
| Mid | 5300 | 2.87 | 2.70 | 3.26 | 1.35 | 9.08 | 9.58 | -0.50 |
| High | 5320 | 3.05 | 2.85 | 3.12 | 1.70 | 9.20 | 9.58 | -0.38 |

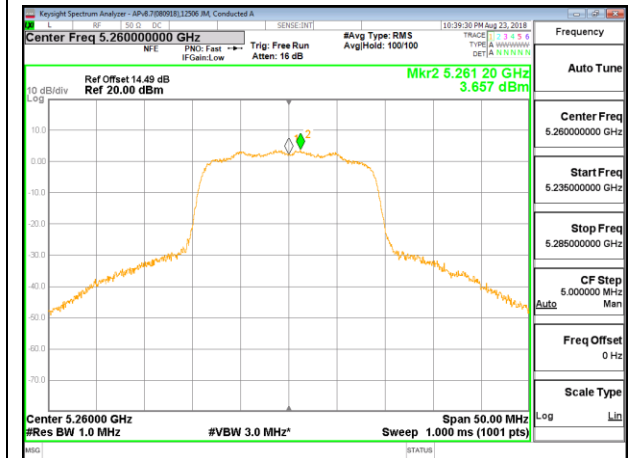
LOW CHANNEL



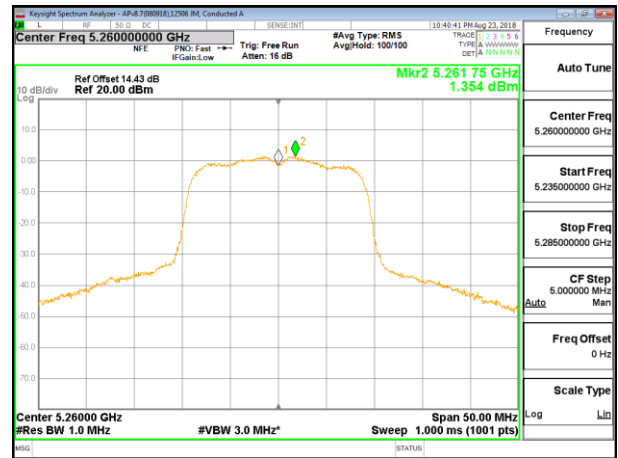
LOW CHANNEL CHAIN 0



LOW CHANNEL CHAIN 1

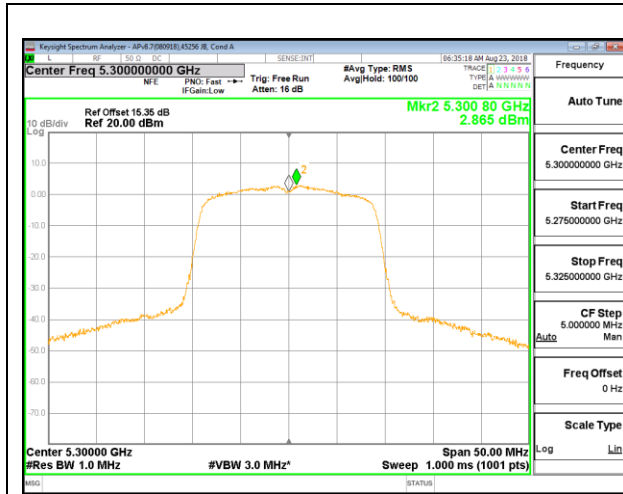


LOW CHANNEL CHAIN 2

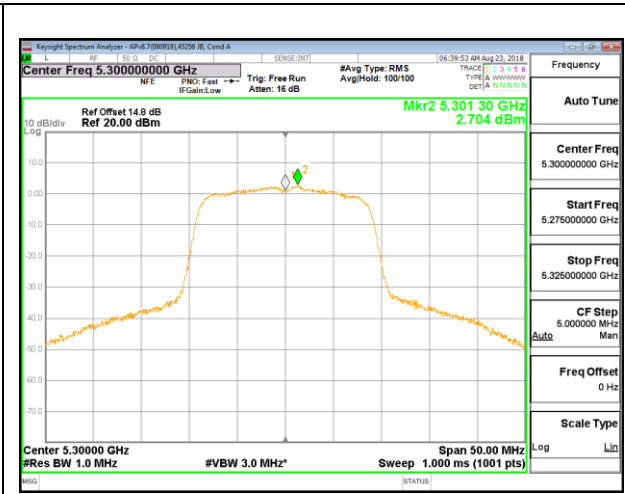


LOW CHANNEL CHAIN 3

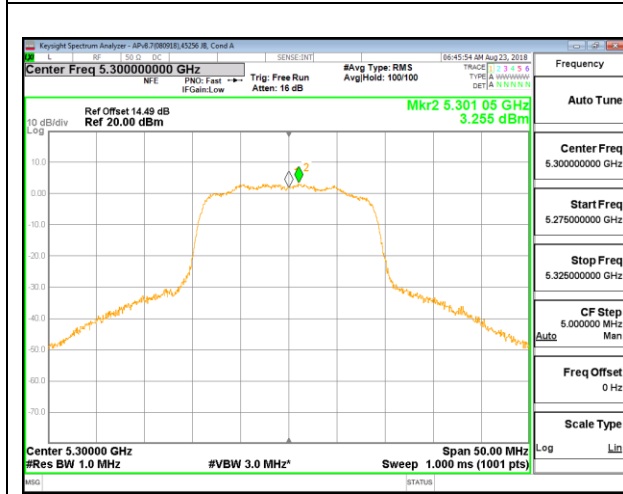
MID CHANNEL



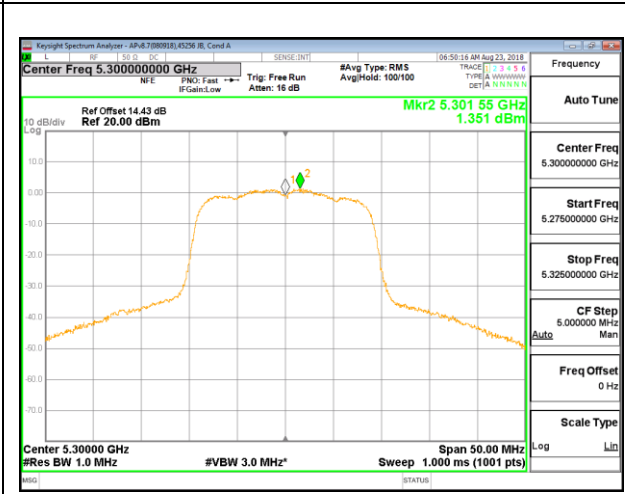
MID CHANNEL CHAIN 0



MID CHANNEL CHAIN 1

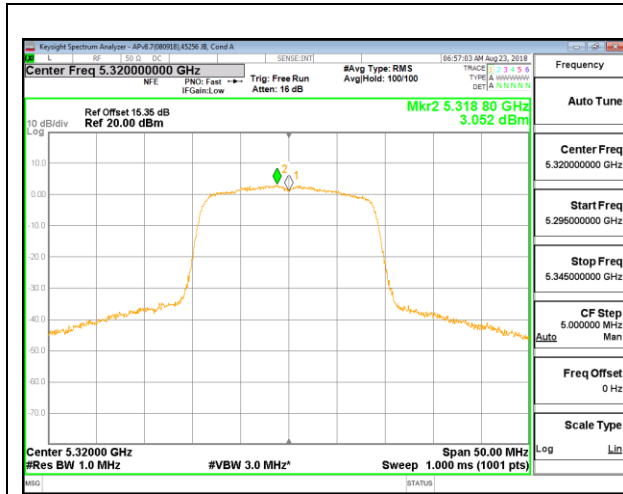


MID CHANNEL CHAIN 2

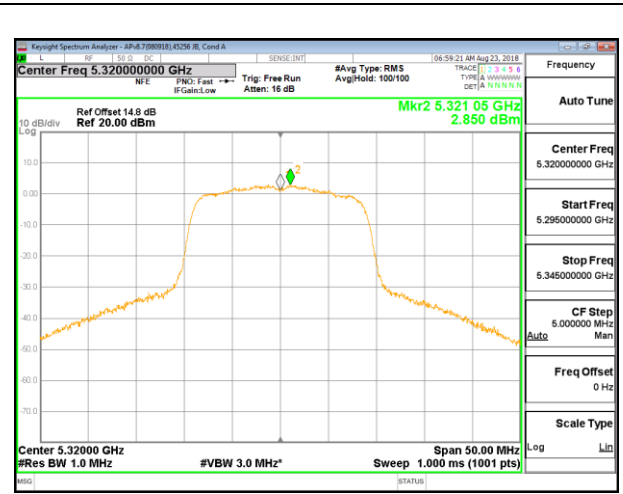


MID CHANNEL CHAIN 3

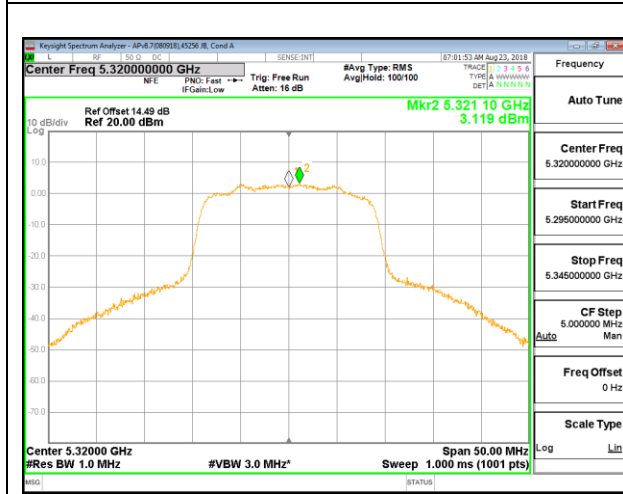
HIGH CHANNEL



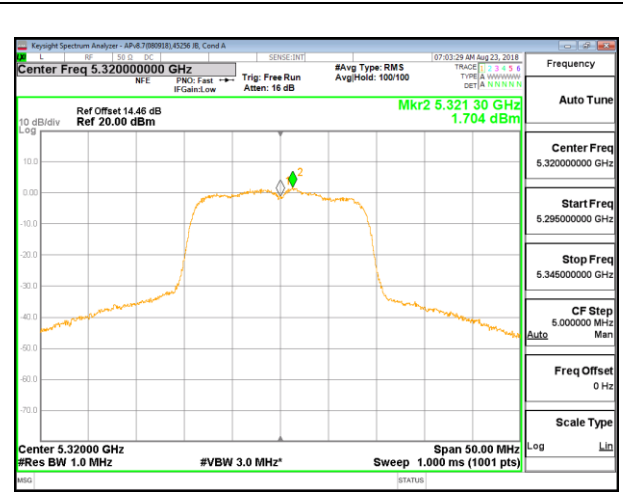
HIGH CHANNEL CHAIN 0



HIGH CHANNEL CHAIN 1



HIGH CHANNEL CHAIN 2



HIGH CHANNEL CHAIN 3

8.5.2.3. 802.11n HT20 MODE IN THE 5.6 GHz BAND

FCC+IC

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 | 20.0500 | 17.5750 | 4.41 | 7.42 |
| Mid | 5580 | 20.1000 | 17.5650 | 4.41 | 7.42 |
| High | 5700 | 20.2500 | 17.5940 | 4.41 | 7.42 |

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 | 9.58 | 11.00 | 9.58 |
| Mid | 5580 | 24.00 | 23.45 | 29.45 | 23.45 | 9.58 | 11.00 | 9.58 |
| High | 5700 | 24.00 | 23.45 | 29.45 | 23.45 | 9.58 | 11.00 | 9.58 |

| | | |
|---------------------------|------|---|
| Duty Cycle CF (dB) | 0.46 | Included in Calculations of Corr'd Power & PSD |
|---------------------------|------|---|

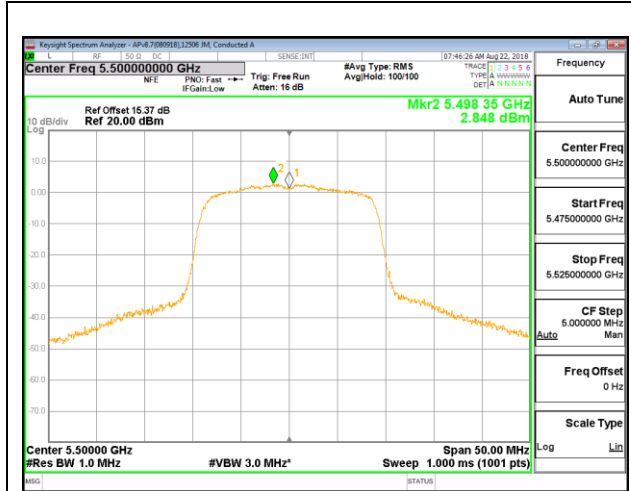
Output Power Results

| Channel | Frequency (MHz) | Chain 0 Meas Power (dBm) | Chain 1 Meas Power (dBm) | Chain 2 Meas Power (dBm) | Chain 3 Meas Power (dBm) | Total Corr'd Power (dBm) | Power Limit (dBm) | Power Margin (dB) |
|---------|--------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-------------------------|-------------------------|
| Low | 5500 | 13.14 | 13.1 | 14.22 | 12.11 | 19.23 | 23.45 | -4.22 |
| Mid | 5580 | 12.55 | 12.23 | 13.58 | 11.48 | 18.55 | 23.45 | -4.90 |
| High | 5700 | 12.42 | 12.34 | 12.92 | 11.41 | 18.33 | 23.45 | -5.13 |

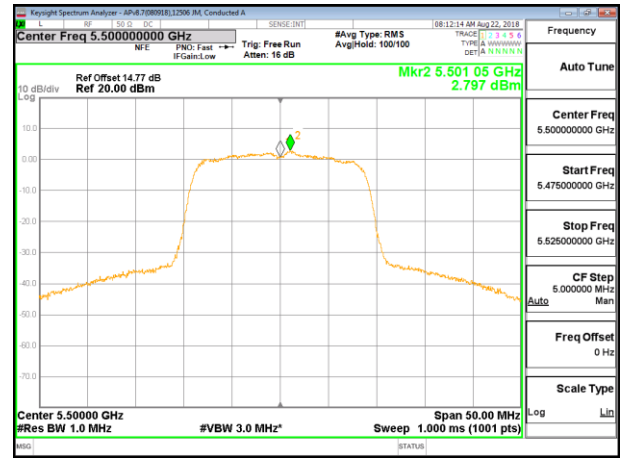
PSD Results

| Channel | Frequency (MHz) | Chain 0 Meas PSD (dBm/ 1MHz) | Chain 1 Meas PSD (dBm/ 1MHz) | Chain 2 Meas PSD (dBm/ 1MHz) | Chain 3 Meas PSD (dBm/ 1MHz) | Total Corr'd PSD (dBm/ 1MHz) | PSD Limit (dBm/ 1MHz) | PSD Margin (dB) |
|---------|--------------------|--|--|--|--|--|--------------------------------|-----------------------|
| Low | 5500 | 2.848 | 2.797 | 3.289 | 1.285 | 9.098 | 9.58 | -0.48 |
| Mid | 5580 | 2.987 | 2.714 | 3.636 | 2.060 | 9.367 | 9.58 | -0.21 |
| High | 5700 | 3.004 | 2.946 | 2.703 | 1.856 | 9.131 | 9.58 | -0.45 |

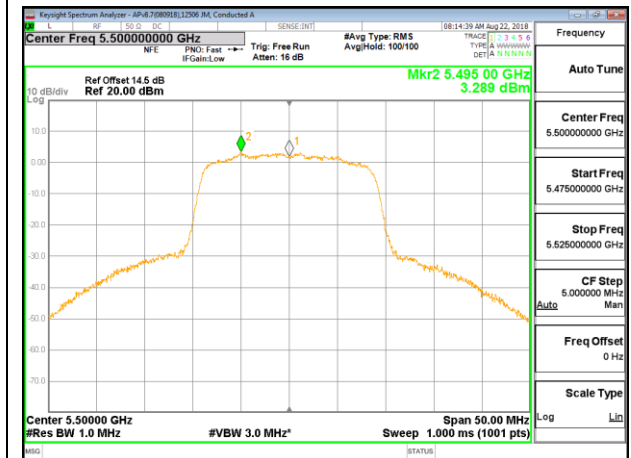
LOW CHANNEL



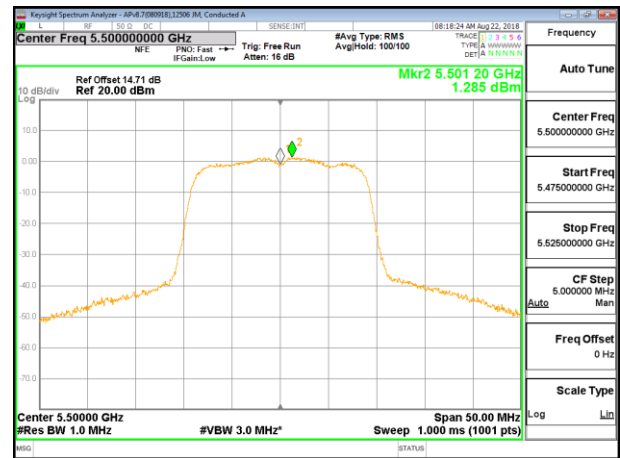
LOW CHANNEL CHAIN 0



LOW CHANNEL CHAIN 1

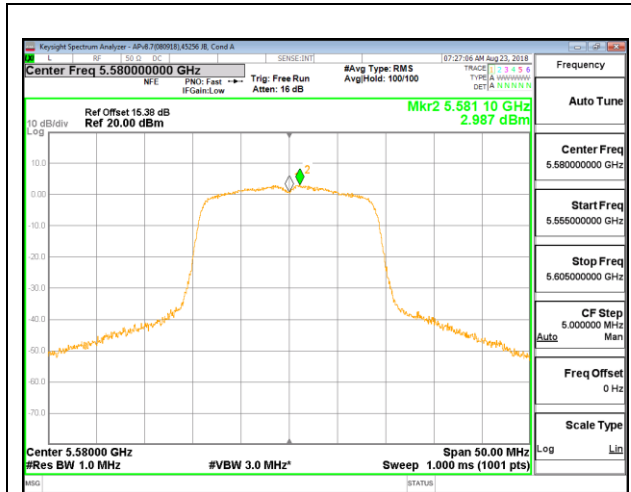


LOW CHANNEL CHAIN 2

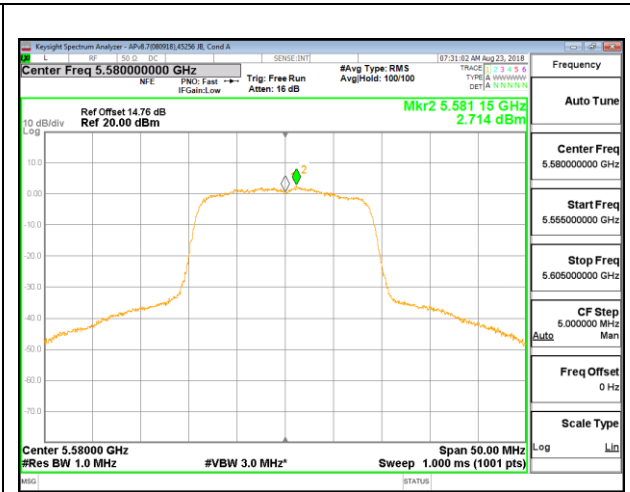


LOW CHANNEL CHAIN 3

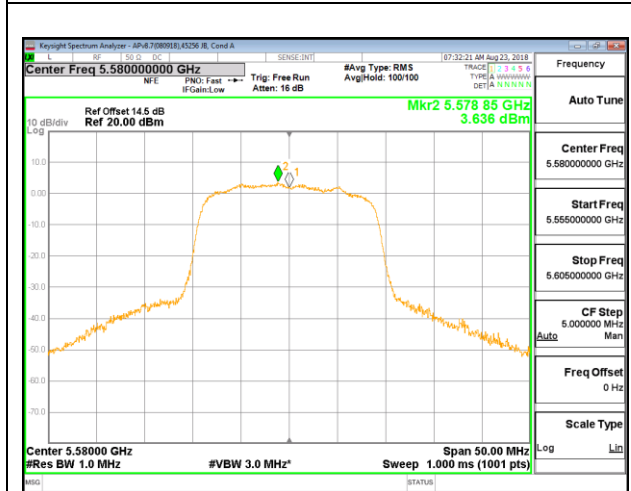
MID CHANNEL



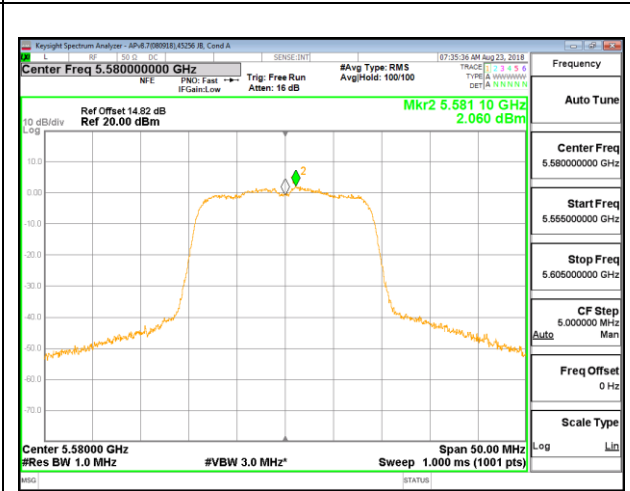
MID CHANNEL CHAIN 0



MID CHANNEL CHAIN 1

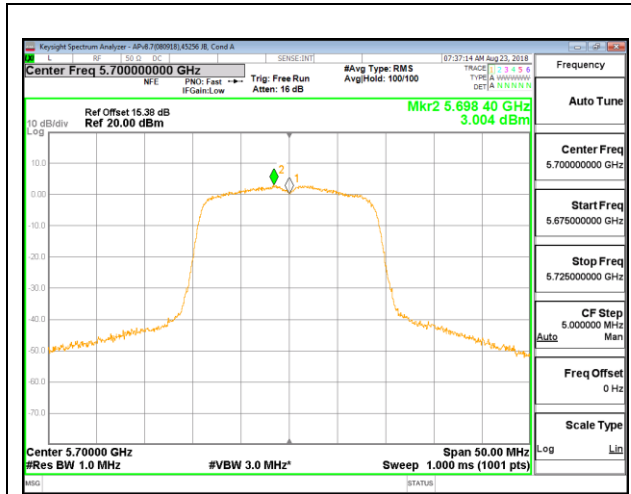


MID CHANNEL CHAIN 2

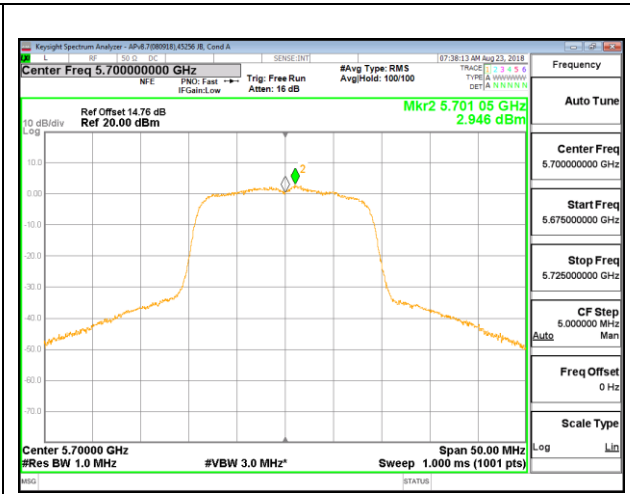


MID CHANNEL CHAIN 3

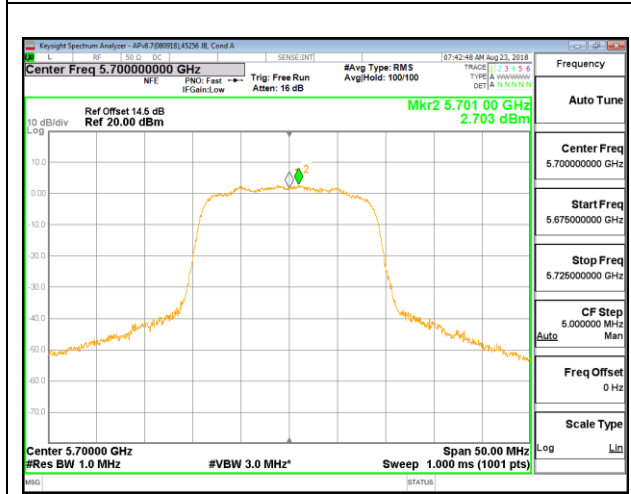
HIGH CHANNEL



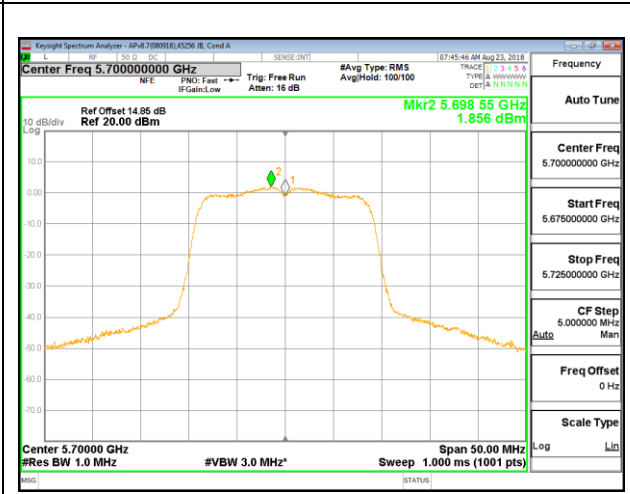
HIGH CHANNEL CHAIN 0



HIGH CHANNEL CHAIN 1



HIGH CHANNEL CHAIN 2



HIGH CHANNEL CHAIN 3

8.5.2.4. 802.11n HT20 MODE IN THE 5.8 GHz BAND

FCC+IC

Antenna Gain and Limit

| Channel | Frequency (MHz) | Directiona Gain for Power (dBi) | Directiona Gain for PSD (dBm) | FCC/ISED Power Limit (dBm) | FCC/ISED PSD Limit (dBm/ 1MHz) |
|---------|--------------------|--|--|-------------------------------------|--|
| Low | 5745 | 4.41 | 7.42 | 30.00 | 28.58 |
| Mid | 5785 | 4.41 | 7.42 | 30.00 | 28.58 |
| High | 5825 | 4.41 | 7.42 | 30.00 | 28.58 |

| | | |
|---------------------------|------|---|
| Duty Cycle CF (dB) | 0.46 | Included in Calculations of Corr'd Power & PSD |
|---------------------------|------|---|

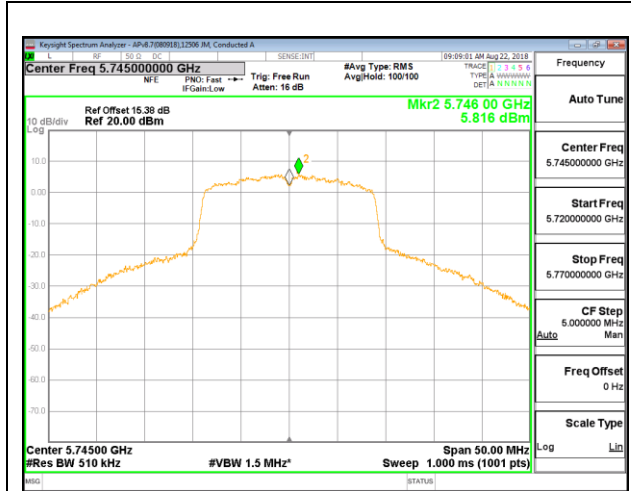
Output Power Results

| Channel | Frequency (MHz) | Chain 0 Meas Power (dBm) | Chain 1 Meas Power (dBm) | Chain 2 Meas Power (dBm) | Chain 3 Meas Power (dBm) | Total Corr'd Power (dBm) | Power Limit (dBm) | Power Margin (dB) |
|---------|--------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-------------------------|-------------------------|
| Low | 5745 | 18.35 | 18.68 | 17.94 | 18.13 | 24.30 | 30.00 | -5.70 |
| Mid | 5785 | 18.22 | 18.43 | 17.82 | 17.84 | 24.11 | 30.00 | -5.89 |
| High | 5825 | 18.14 | 17.77 | 17.5 | 17.57 | 23.77 | 30.00 | -6.23 |

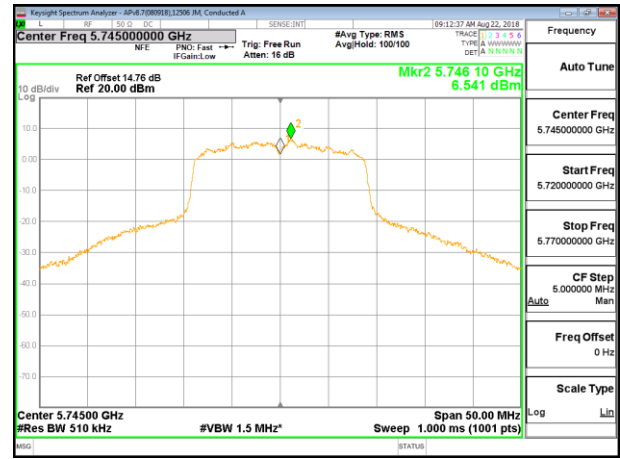
PSD Results

| Channel | Frequency (MHz) | Chain 0 Meas PSD (dBm/ 1MHz) | Chain 1 Meas PSD (dBm/ 1MHz) | Chain 2 Meas PSD (dBm/ 1MHz) | Chain 3 Meas PSD (dBm/ 1MHz) | Total Corr'd PSD (dBm/ 1MHz) | PSD Limit (dBm/ 1MHz) | PSD Margin (dB) |
|---------|--------------------|--|--|--|--|--|--------------------------------|-----------------------|
| Low | 5745 | 5.816 | 6.541 | 5.240 | 5.951 | 12.392 | 28.58 | -16.19 |
| Mid | 5785 | 6.058 | 6.044 | 5.178 | 5.430 | 12.175 | 28.58 | -16.41 |
| High | 5825 | 5.965 | 5.572 | 4.761 | 4.558 | 11.733 | 28.58 | -16.85 |

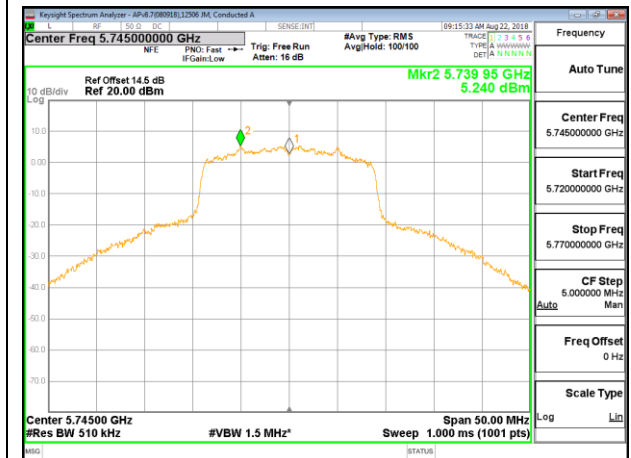
LOW CHANNEL



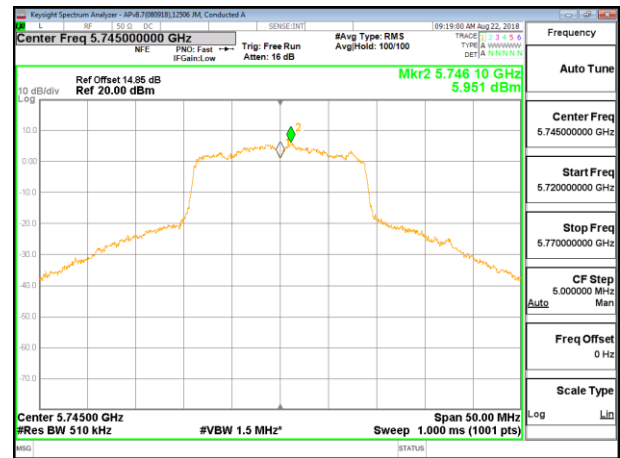
LOW CHANNEL CHAIN 0



LOW CHANNEL CHAIN 1

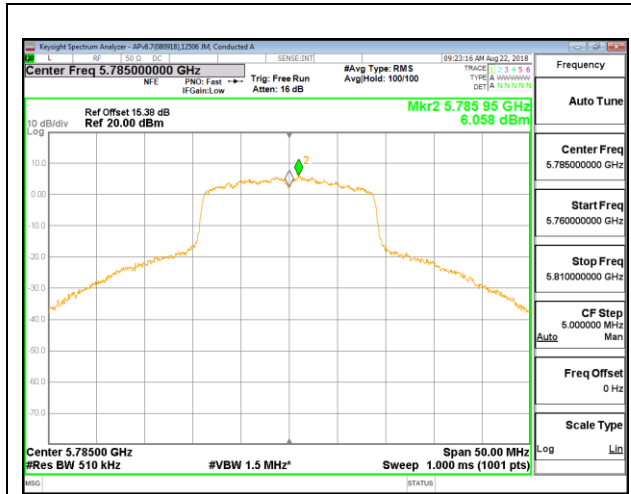


LOW CHANNEL CHAIN 2

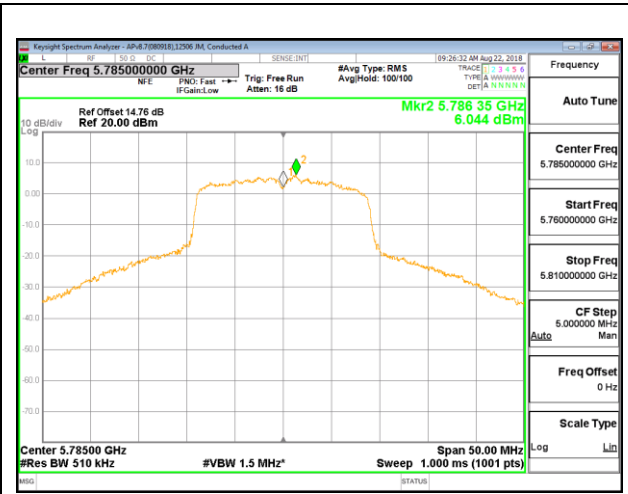


LOW CHANNEL CHAIN 3

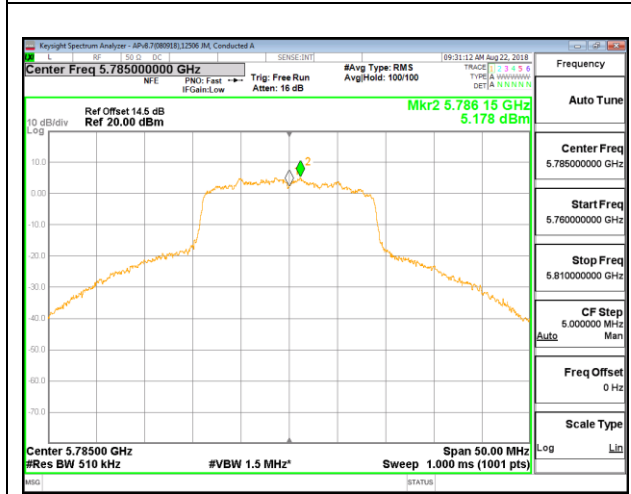
MID CHANNEL



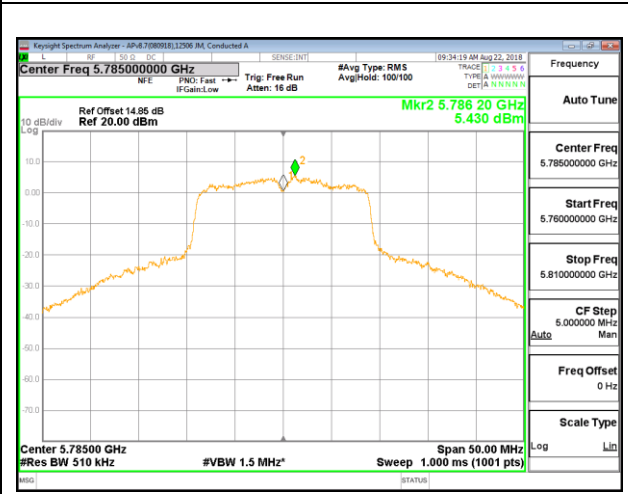
MID CHANNEL CHAIN 0



MID CHANNEL CHAIN 1

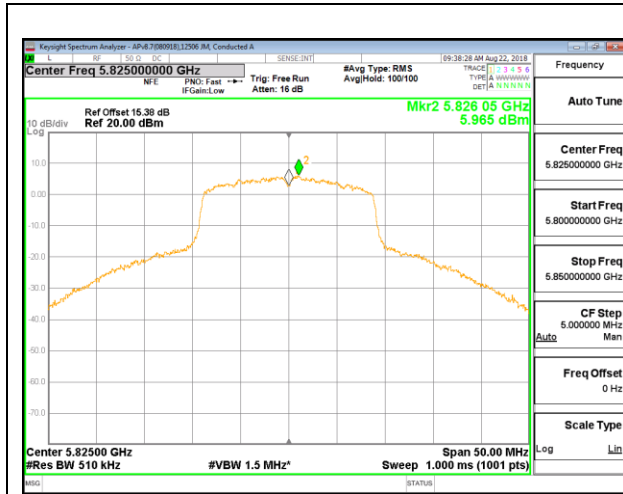


MID CHANNEL CHAIN 2

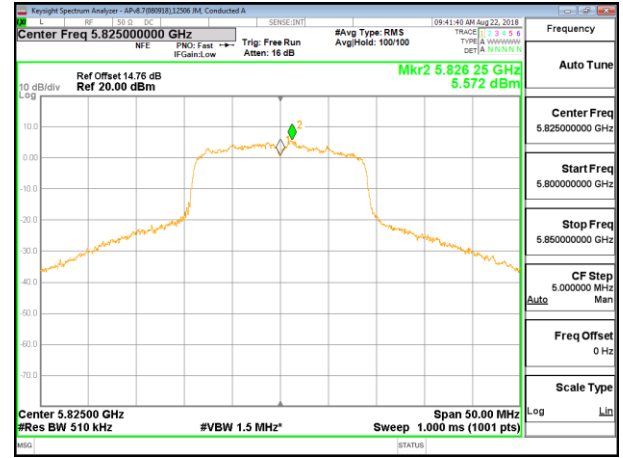


MID CHANNEL CHAIN 3

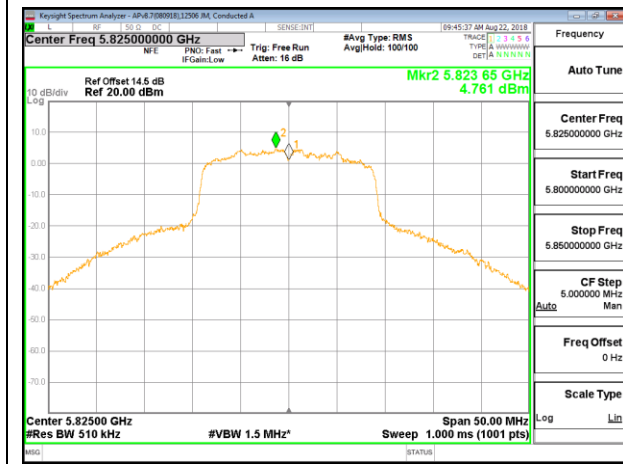
HIGH CHANNEL



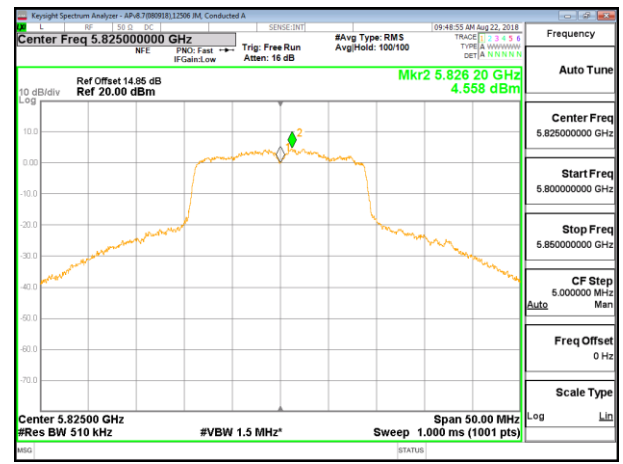
HIGH CHANNEL CHAIN 0



HIGH CHANNEL CHAIN 1



HIGH CHANNEL CHAIN 2



HIGH CHANNEL CHAIN 3

9. RADIATED TEST RESULTS

LIMITS

FCC §15.205 and §15.209 -Restricted bands

FCC §15.407(b)(1-3) -Un-Restricted bands

After January 01, 2019 for Outside of the Restricted Bands Emissions

RSS 247 Issue 2 Sections

6.2.1.2 (for 5150-5250 MHz band)

6.2.2.2 (for 5250-5350 MHz band)

6.2.3.2 (for 5470-5600 MHz and 5650-5725 MHz bands)

6.2.4.2 (for 5725-5850 MHz band)

NCC LP0002 §2.7 and §2.8

| Frequency Range (MHz) | Field Strength Limit (uV/m) at 3 m | Field Strength Limit (dBuV/m) at 3 m |
|-----------------------|------------------------------------|--------------------------------------|
| 30 - 88 | 100 | 40 |
| 88 - 216 | 150 | 43.5 |
| 216 - 960 | 200 | 46 |
| Above 960 | 500 | 54 |

TEST PROCEDURE

The EUT is placed on a non-conducting table 80 cm above the ground plane for measurement below 1GHz; 1.5 m above the ground plane for measurement above 1GHz. The antenna to EUT distance is 3 meters. The EUT is configured in accordance with ANSI C63.10. The EUT is set to transmit in a continuous mode.

For measurements below 1 GHz the resolution bandwidth is set to 100 kHz for peak detection measurements or 120 kHz for quasi-peak detection measurements. Peak detection is used unless otherwise noted as quasi-peak.

For pre-scans above 1 GHz the resolution bandwidth is set to 1 MHz; the video bandwidth is set to 30 KHz for peak measurements.

For final measurements above 1 GHz the resolution bandwidth is set to 1 MHz; the video bandwidth is set to 3 MHz for peak measurements and as applicable for average measurements.

The spectrum from 30 MHz to 1GHz and 18GHz to 40 GHz is investigated with the transmitter set to transmit at the channel with highest output power as worst-case scenario. 1GHz to 18GHz was set to the lowest, middle, and highest channels in the 5 GHz bands.

The frequency range of interest is monitored at a fixed antenna height and EUT azimuth. The EUT is rotated through 360 degrees to maximize emissions received. The antenna is scanned from 1 to 4 meters above the ground plane to further maximize the emission. Measurements are made with the antenna polarized in both the vertical and the horizontal positions.