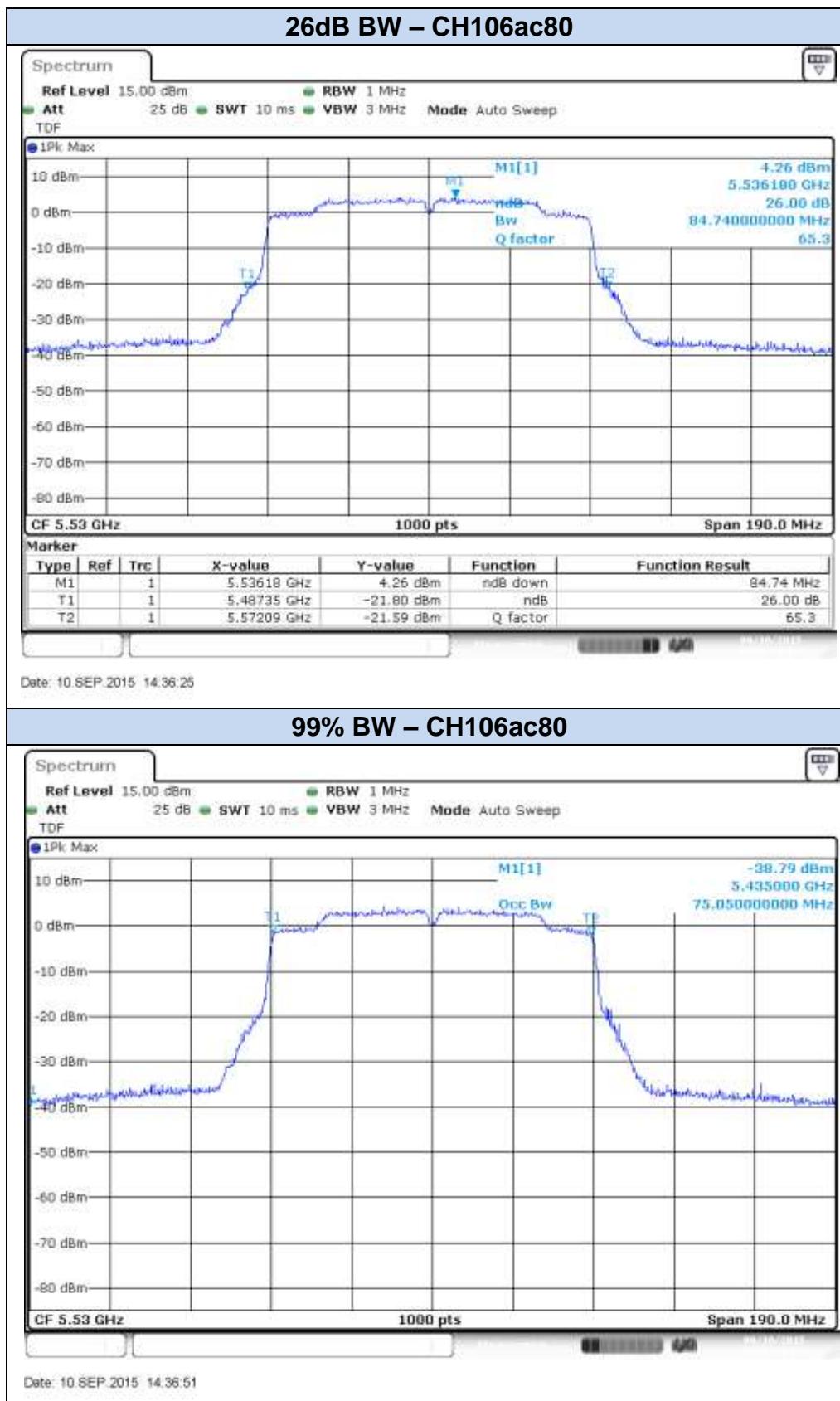
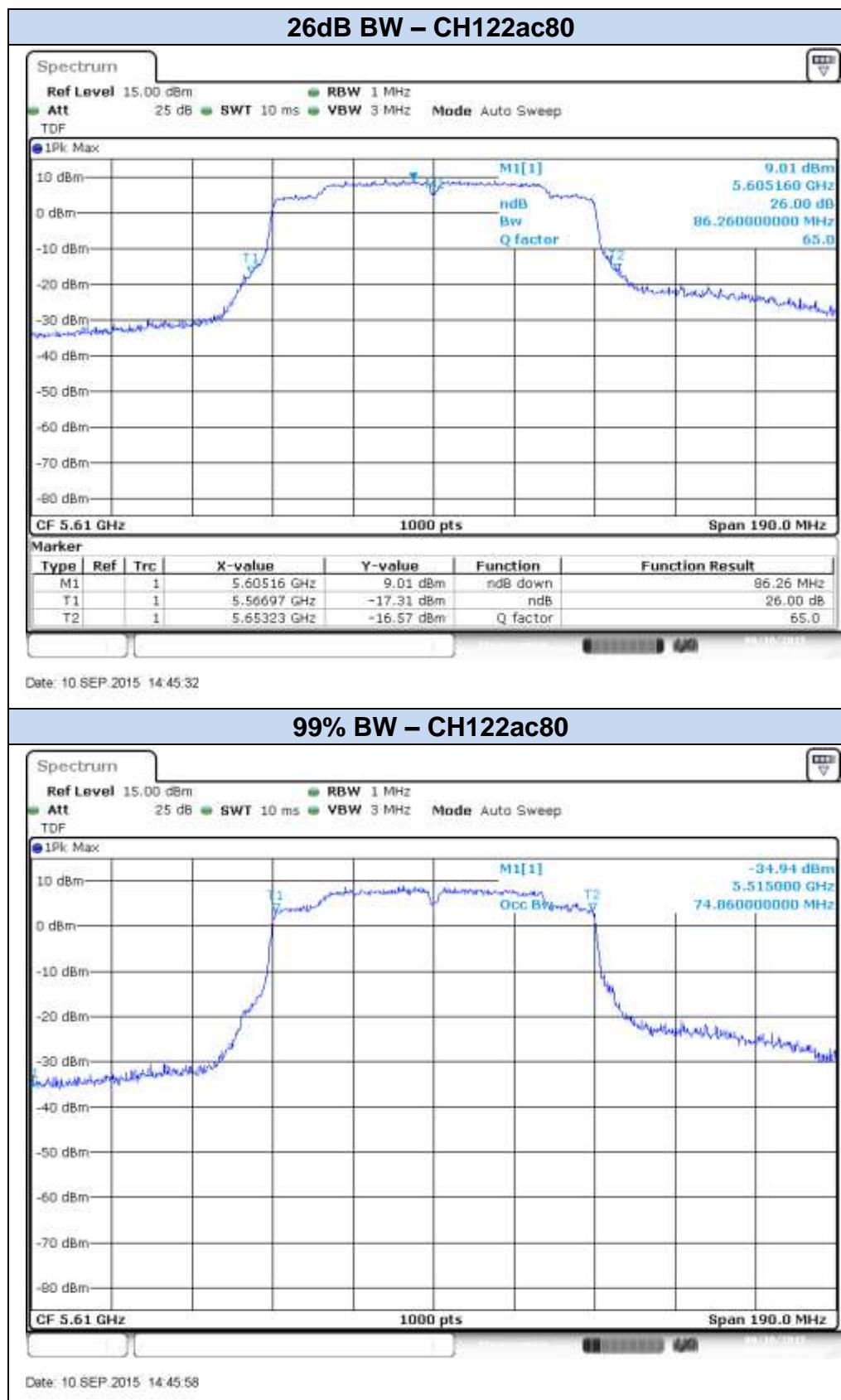
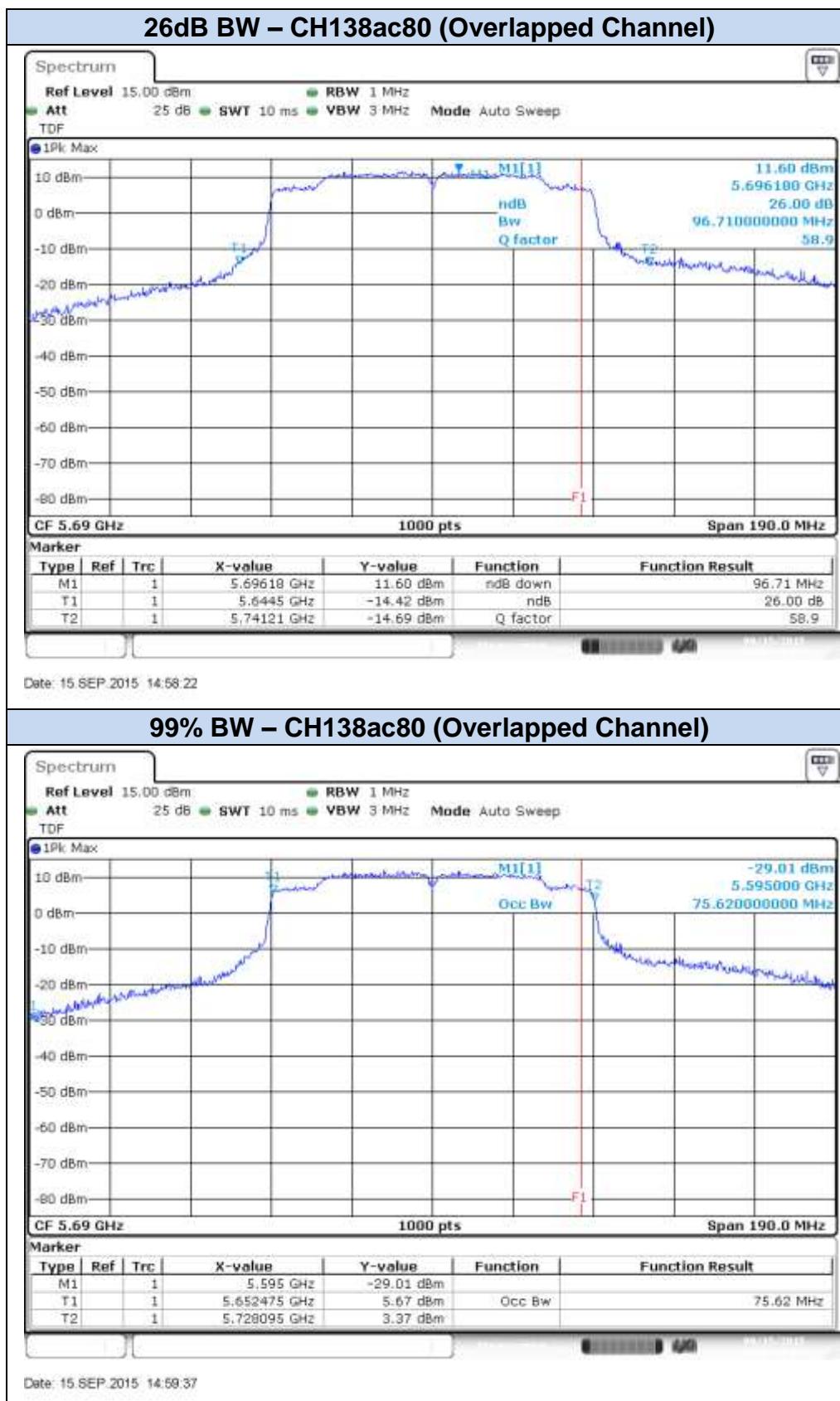


802.11ac80, VHT0 (MIMO) – Chain B







D.2 Power Limits. Maximum Output power & Peak power spectral density

Test limits:

| FCC part | RSS Part | Limits |
|-------------------|--------------------------------|--|
| 15.407 (a) (2) | RSS-247 Clause 6.2.3 (1) | For the 5.25–5.35 GHz and 5.47–5.725 GHz bands, the maximum conducted output power over the frequency bands of operation shall not exceed the lesser of 250 mW or 11 dBm + 10 log B, where B is the 26 dB emission bandwidth in megahertz. In addition, the peak power spectral density shall not exceed 11 dBm in any 1 megahertz band. |

Test procedure:

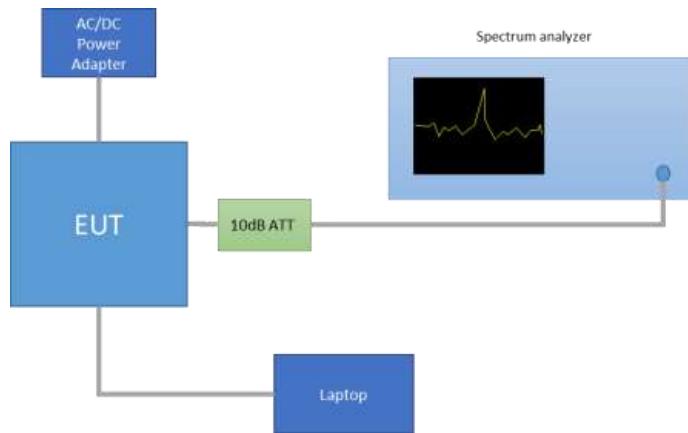
The Maximum Conducted Output Power was measured using the channel integration method according to point E) 2) e) (Method SA-2 Alternative) of Guidance 789033 D01.

The maximum power spectral density (PSD) was measured using the method according to point F) (Method SA-2 Alternative) of Guidance 789033 D01.

In the measure-and-sum approach for MIMO mode, the conducted emission level (e.g., transmit power or power in specified bandwidth) is measured at each antenna port. The measured results at the various antenna ports are then summed mathematically in linear power units to determine the total emission level from the device.

The EIRP power (dBm) is calculated by adding the declared maximum antenna gain to the measured conducted power.

The setup below was used to measure the maximum conducted output power and power spectral density. The antenna terminal of the EUT is connected to the spectrum through an attenuator, and the spectrum analyzer reading is compensated to include the RF path loss.



The declared maximum antenna gain is 5dBi.

For the overlapped channels between U-NII-2C and U-NII-3, and according to FCC KDB 644545 D03, the power is computed based on the portion of the emission bandwidth contained within that band. This rule is only applicable for those channels marked as overlapped.

Results tables:

| Mode | Rate | Meas. Duty Cycle [%] | CH | Freq. [MHz] | Antenna | Power [dBm] | | | |
|-----------|-------|----------------------|-------|-------------|--------------|----------------|------------------------|-------|----------------------------|
| | | | | | | Meas. Cond RMS | Duty cycle Compensated | EIRP | PSD Duty cycle Compensated |
| 802.11n20 | 6Mbps | 97.8 | 100 | 5500 | SISO CHAIN A | 18.50 | 18.60 | 23.60 | 7.66 |
| | | | | | SISO CHAIN B | 17.40 | 17.50 | 22.50 | 6.53 |
| | | | 120 | 5600 | SISO CHAIN A | 21.14 | 21.24 | 26.24 | 10.23 |
| | | | | | SISO CHAIN B | 21.13 | 21.23 | 26.23 | 10.21 |
| | | | 140 | 5700 | SISO CHAIN A | 15.04 | 15.14 | 20.14 | 4.20 |
| | | | | | SISO CHAIN B | 15.35 | 15.45 | 20.45 | 4.52 |
| | HT0 | 97.9 | 100 | 5500 | SISO CHAIN A | 18.45 | 18.54 | 23.54 | 7.42 |
| | | | | | SISO CHAIN B | 17.01 | 17.10 | 22.10 | 5.98 |
| | | | 120 | 5600 | SISO CHAIN A | 21.11 | 21.20 | 26.20 | 10.00 |
| | | | | | SISO CHAIN B | 21.06 | 21.15 | 26.15 | 9.96 |
| | | | 140 | 5700 | SISO CHAIN A | 14.14 | 14.23 | 19.23 | 3.10 |
| | | | | | SISO CHAIN B | 14.72 | 14.81 | 19.81 | 3.71 |
| 802.11n40 | HT8 | 96.3 | 100 | 5500 | MIMO CHAIN A | 15.83 | 15.99 | 20.99 | 4.86 |
| | | | | | MIMO CHAIN B | 16.03 | 16.19 | 21.19 | 5.05 |
| | | | 120 | 5600 | MIMO CHAIN A | 18.13 | 18.29 | 23.29 | 7.15 |
| | | | | | MIMO CHAIN B | 18.08 | 18.24 | 23.24 | 7.12 |
| | | | 140 | 5700 | MIMO CHAIN A | 12.11 | 12.27 | 17.27 | 1.15 |
| | | | | | MIMO CHAIN B | 11.88 | 12.04 | 17.04 | 0.93 |
| | | | 144* | 5720 | MIMO CHAIN A | 17.28 | 17.44 | 22.44 | 7.05 |
| | | | | | MIMO CHAIN B | 17.42 | 17.58 | 22.58 | 7.18 |
| | HT0 | 96.1 | 102F | 5510 | SISO CHAIN A | 15.38 | 15.55 | 20.55 | 1.08 |
| | | | | | SISO CHAIN B | 15.86 | 16.03 | 21.03 | 1.57 |
| | | | 118F | 5590 | SISO CHAIN A | 21.02 | 21.19 | 26.19 | 6.69 |
| | | | | | SISO CHAIN B | 21.08 | 21.25 | 26.25 | 6.75 |
| | | | 134F | 5610 | SISO CHAIN A | 16.45 | 16.62 | 21.62 | 2.15 |
| | | | | | SISO CHAIN B | 15.98 | 16.15 | 21.15 | 1.67 |
| 802.11n40 | HT8 | 93.4 | 142F* | 5670 | SISO CHAIN A | 20.77 | 20.94 | 25.94 | 6.74 |
| | | | | | SISO CHAIN B | 20.80 | 20.97 | 25.97 | 6.75 |
| | | | 102F | 5510 | MIMO CHAIN A | 11.44 | 11.74 | 16.74 | -2.67 |
| | | | | | MIMO CHAIN B | 13.56 | 13.86 | 18.86 | -0.54 |
| | | | 118F | 5590 | MIMO CHAIN A | 18.15 | 18.45 | 23.45 | 4.03 |
| | | | | | MIMO CHAIN B | 18.24 | 18.54 | 23.54 | 4.12 |
| | | | 134F | 5610 | MIMO CHAIN A | 15.31 | 15.61 | 20.61 | 1.18 |
| | | | | | MIMO CHAIN B | 15.07 | 15.37 | 20.37 | 0.95 |
| | | | 142F* | 5670 | MIMO CHAIN A | 17.65 | 17.95 | 22.95 | 3.80 |
| | | | | | MIMO CHAIN B | 17.82 | 18.12 | 23.12 | 3.99 |

| Mode | Rate | Meas. Duty Cycle | CH | Freq. [MHz] | Antenna | Power [dBm] | | | |
|------------|------|------------------|----------|-------------|--------------|----------------|------------------------|-------|----------------------------|
| | | | | | | Meas. Cond RMS | Duty cycle Compensated | EIRP | PSD Duty cycle Compensated |
| 802.11ac80 | VHT0 | 92.2 | 106ac80 | 5530 | SISO CHAIN A | 11.70 | 12.05 | 17.05 | -5.11 |
| | | | | | SISO CHAIN B | 12.83 | 13.18 | 18.18 | -4.01 |
| | | | 122ac80 | 5610 | SISO CHAIN A | 16.82 | 17.17 | 22.17 | 0.00 |
| | | | | | SISO CHAIN B | 16.48 | 16.83 | 21.83 | -0.36 |
| | | | 138ac80* | 5690 | SISO CHAIN A | 20.94 | 21.29 | 26.29 | 4.30 |
| | | | | | SISO CHAIN B | 20.98 | 21.33 | 26.33 | 4.28 |
| | VHT0 | 88.4 | 106ac80 | 5530 | MIMO CHAIN A | 10.03 | 10.56 | 15.56 | -6.52 |
| | | | | | MIMO CHAIN B | 10.72 | 11.25 | 16.25 | -5.88 |
| | | | 122ac80 | 5610 | MIMO CHAIN A | 15.71 | 16.24 | 21.24 | -0.80 |
| | | | | | MIMO CHAIN B | 15.63 | 16.16 | 21.16 | -0.94 |
| | | | 138ac80* | 5690 | MIMO CHAIN A | 18.10 | 18.63 | 23.63 | 1.74 |
| | | | | | MIMO CHAIN B | 17.98 | 18.51 | 23.51 | 1.54 |

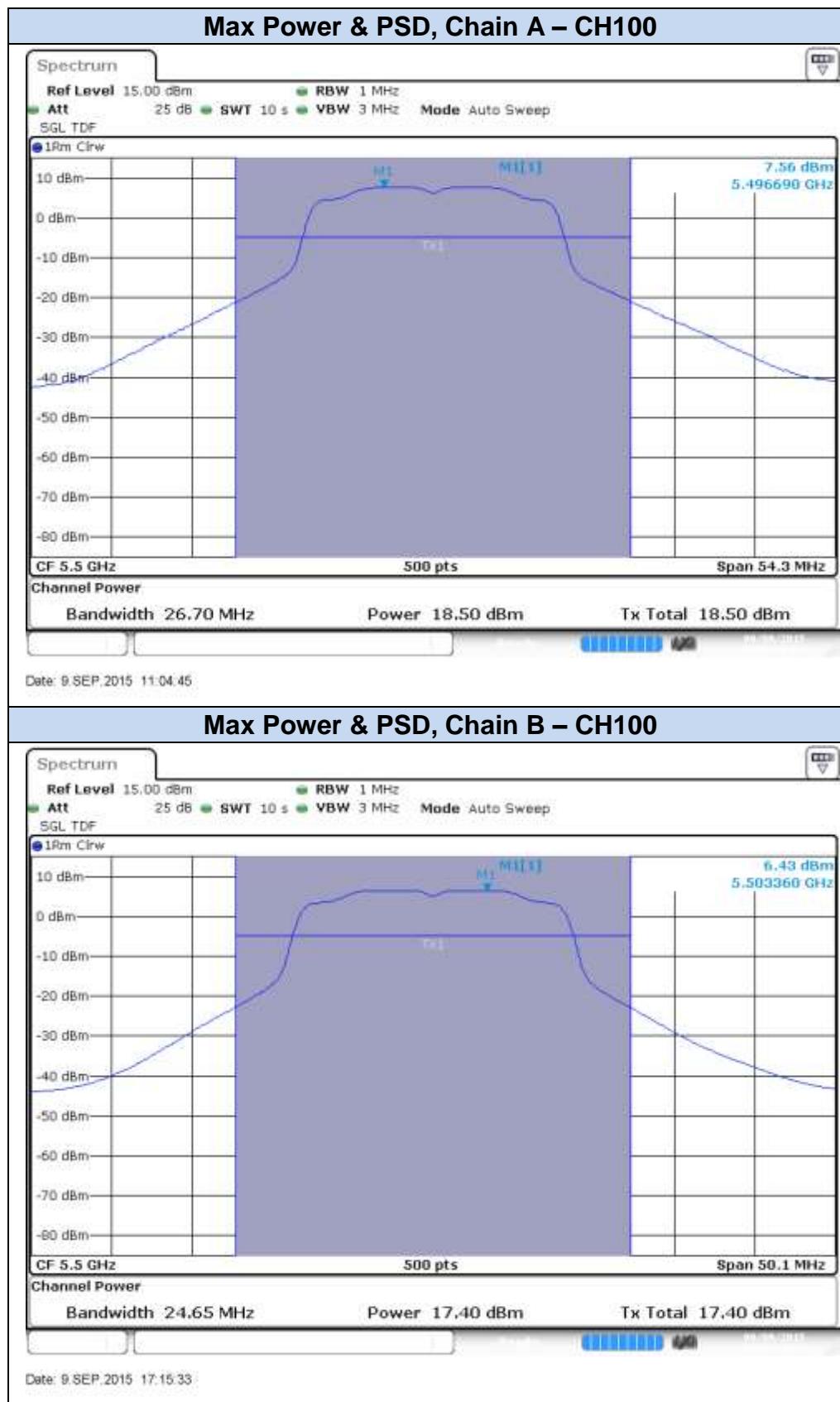
Max Value

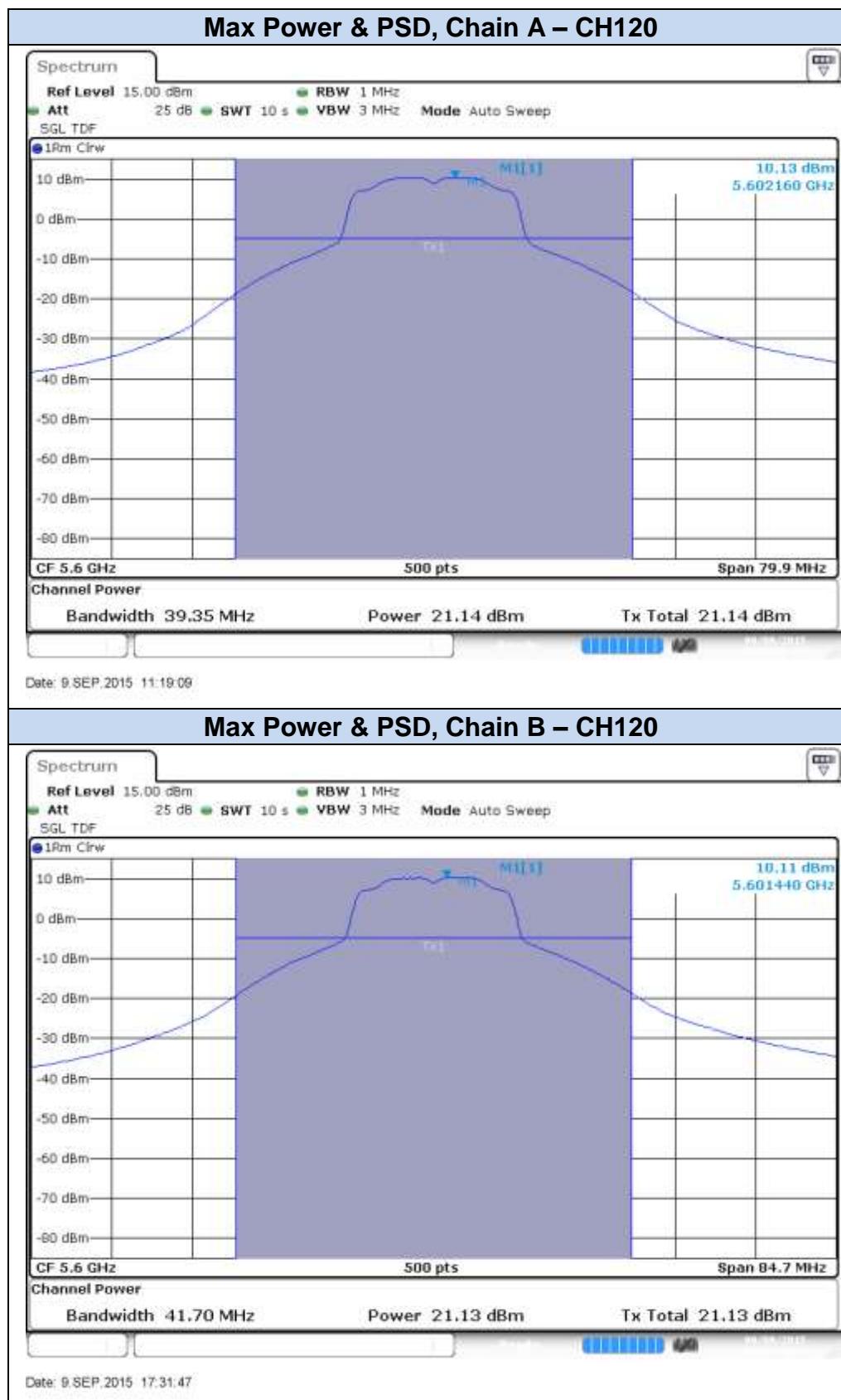
MIMO modes – Combined results

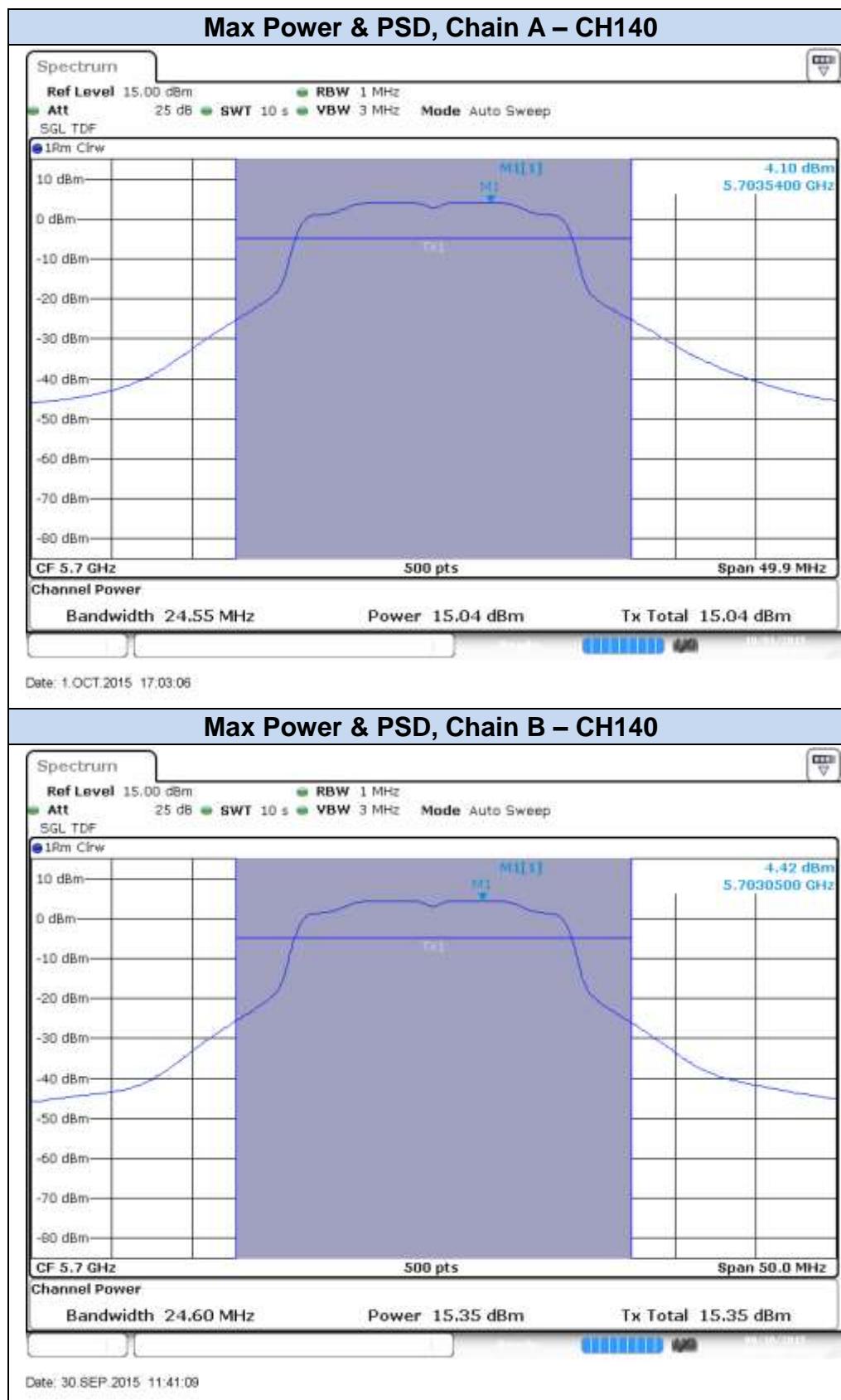
| Mode | Rate | Channel | Frequency (MHz) | Antenna | Combined, Duty Cycle compensated | EIRP | Combined PSD |
|------------|------|----------|-----------------|------------------------|----------------------------------|-------|--------------|
| 802.11n20 | HT8 | 100 | 5500 | MIMO CHAIN A + CHAIN B | 19.11 | 24.11 | 7.97 |
| | | 120 | 5600 | | 21.28 | 26.28 | 10.15 |
| | | 140 | 5700 | | 15.17 | 20.17 | 4.06 |
| | | 144* | 5720 | | 20.53 | 25.53 | 9.97 |
| 802.11n40 | HT8 | 102F | 5510 | MIMO CHAIN A + CHAIN B | 15.94 | 20.94 | 1.53 |
| | | 118F | 5590 | | 21.50 | 26.50 | 7.08 |
| | | 134F | 5610 | | 18.50 | 23.50 | 4.07 |
| | | 142F* | 5670 | | 21.04 | 26.04 | 6.61 |
| 802.11ac80 | VHT0 | 106ac80 | 5530 | | 13.93 | 18.93 | -3.17 |
| | | 122ac80 | 5610 | | 19.21 | 24.21 | 2.15 |
| | | 138ac80* | 5690 | | 21.59 | 26.59 | 4.12 |

Max Value

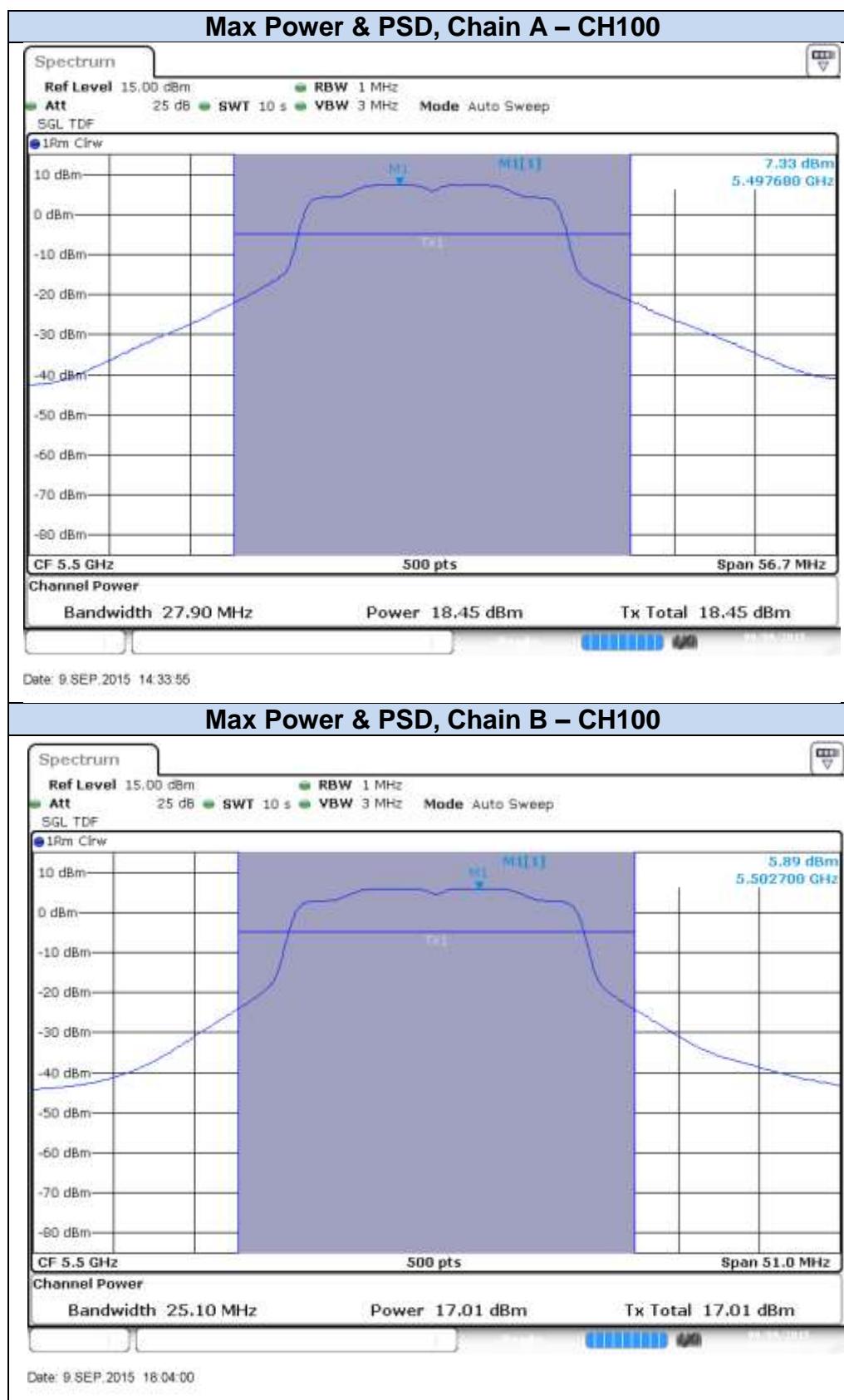
* Overlapped channels between U-NII-2C and U-NII-3

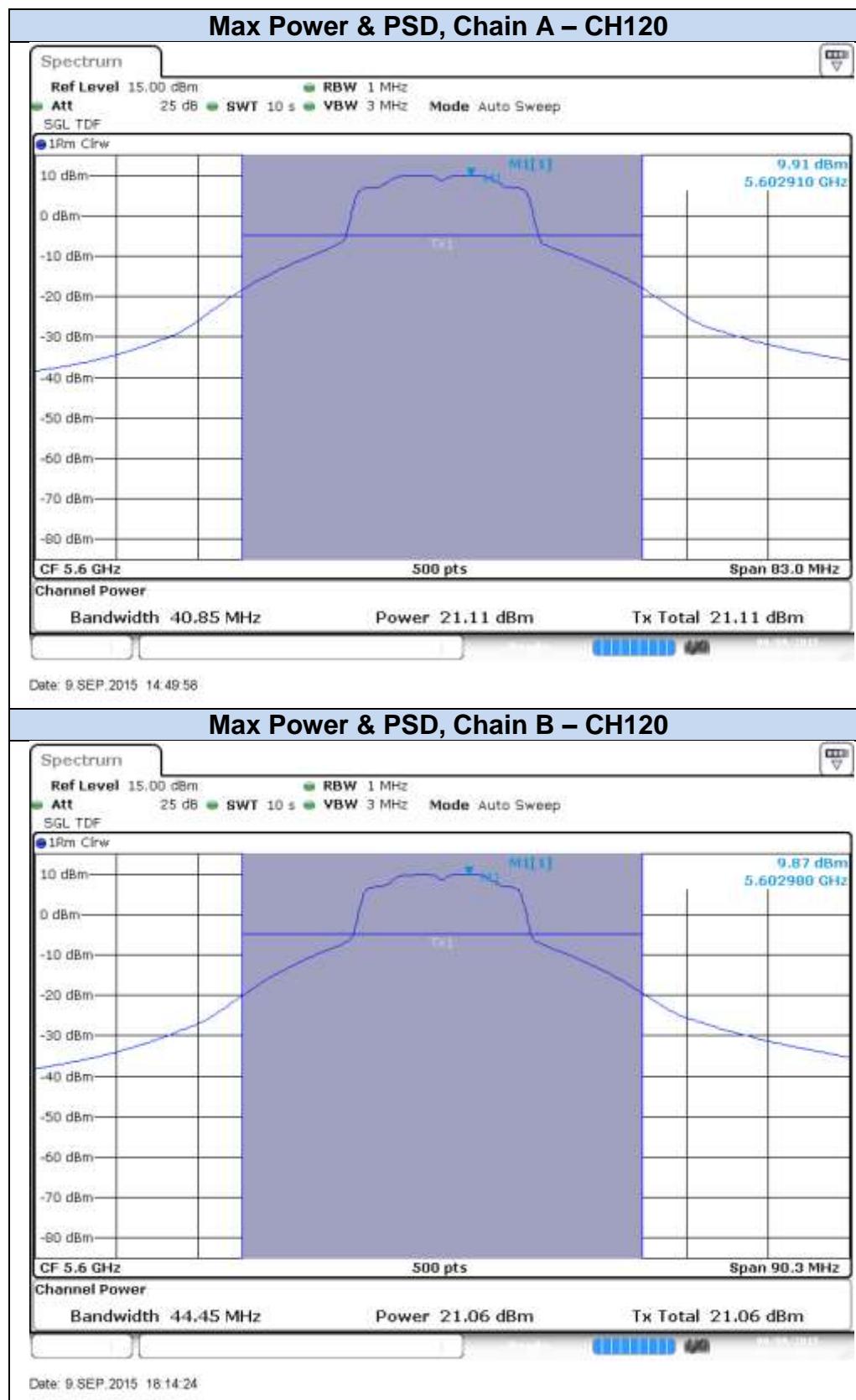
Results screenshot:
802.11a, 6Mbps


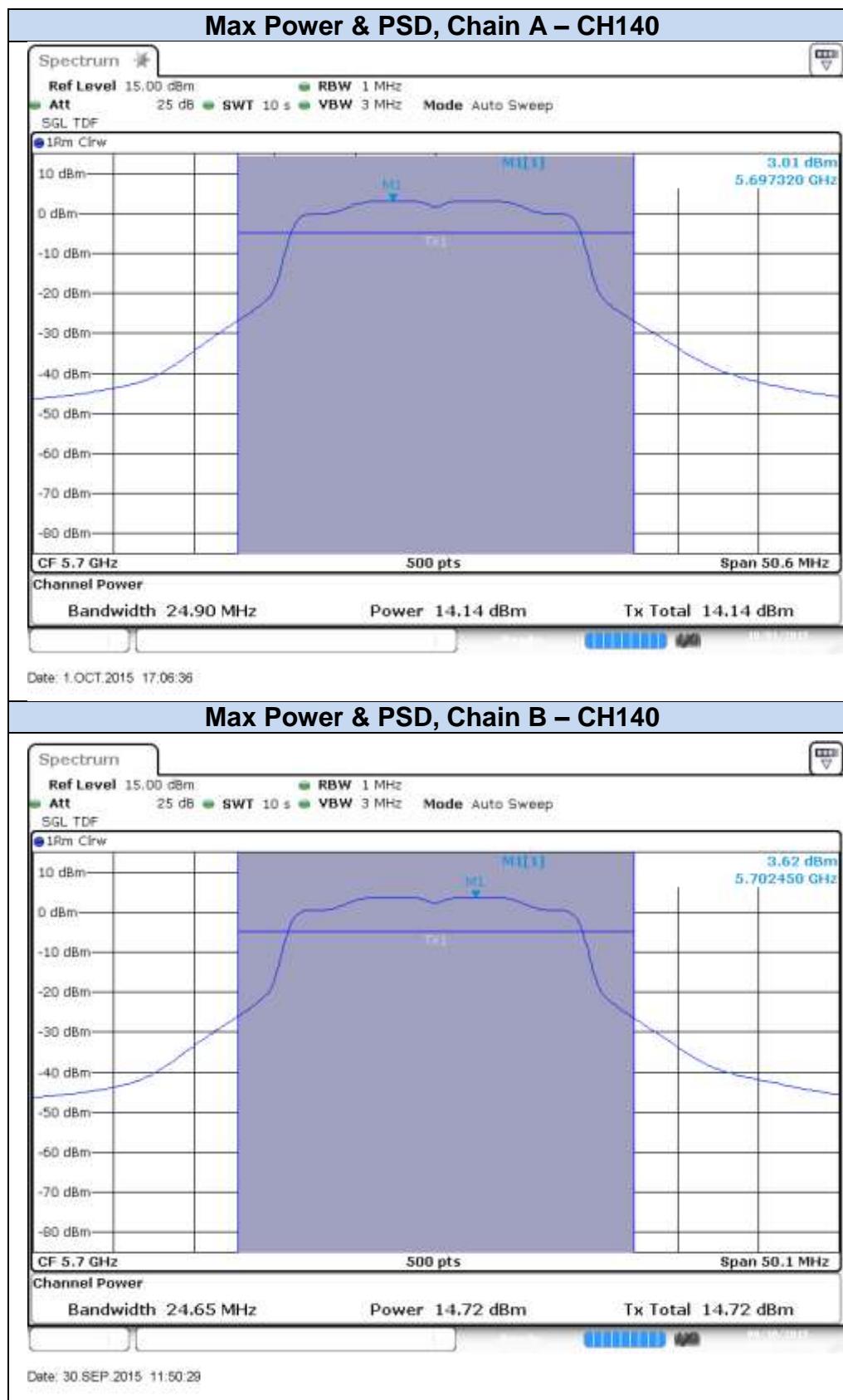


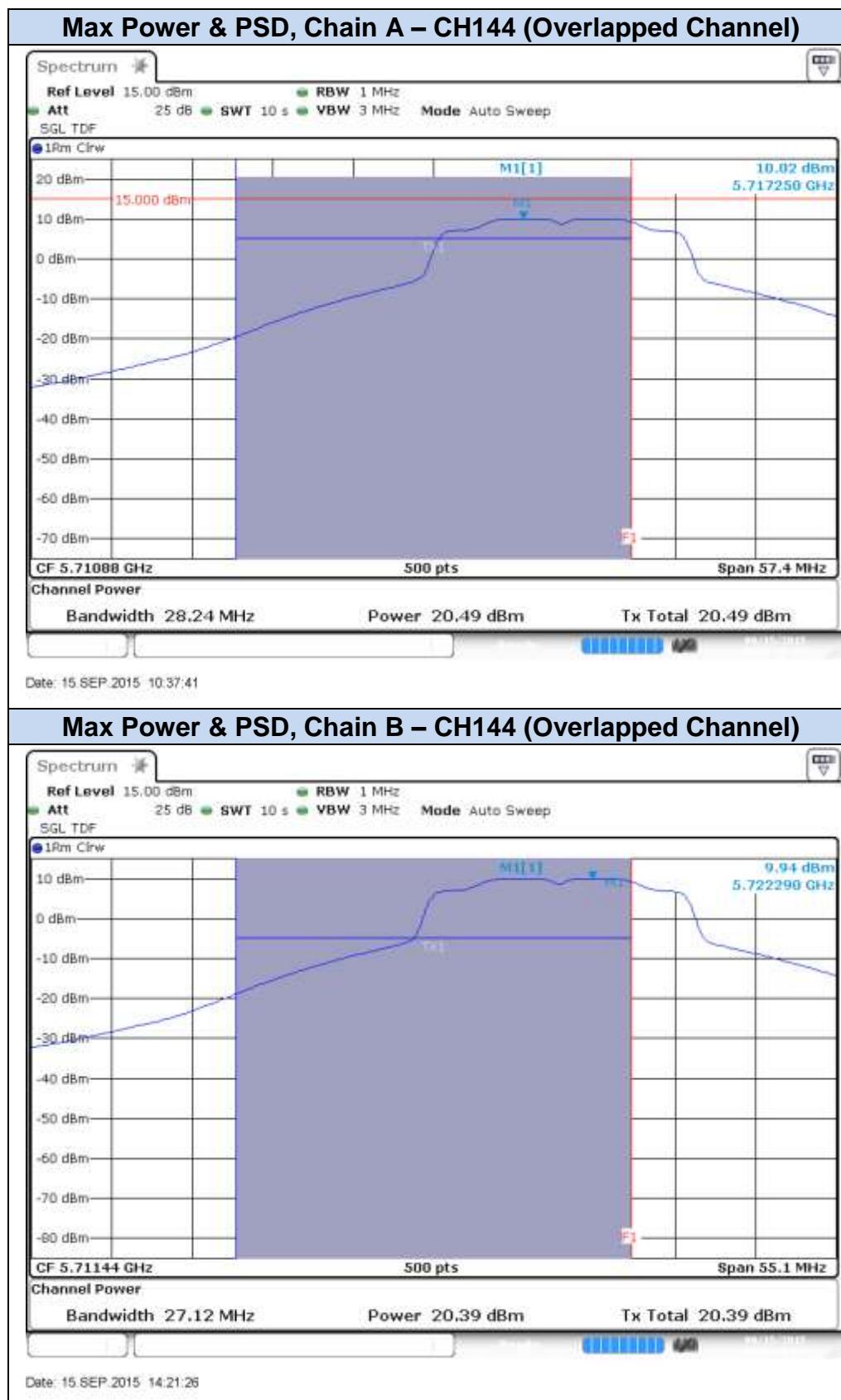


802.11n20, HT0 (SISO)

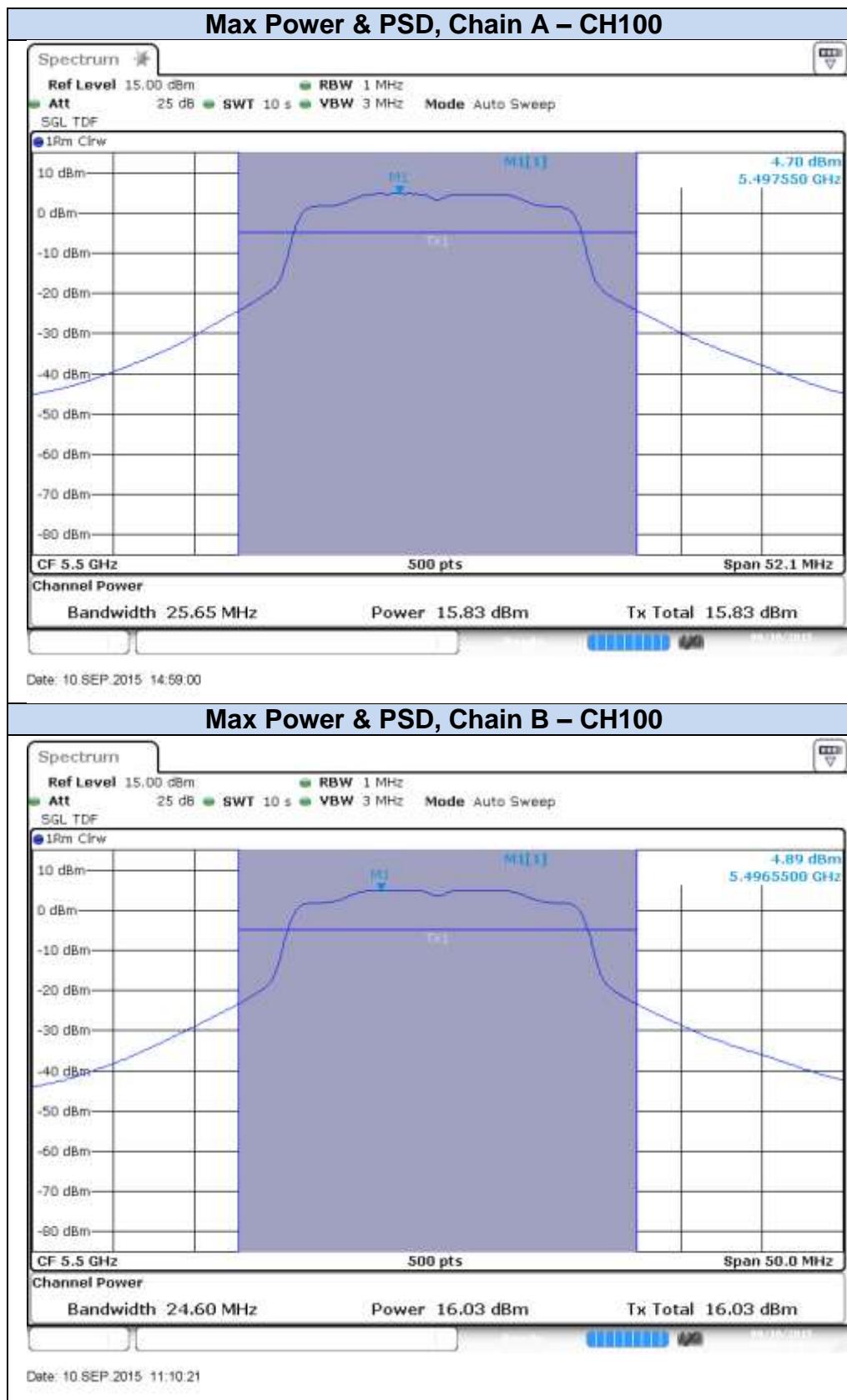


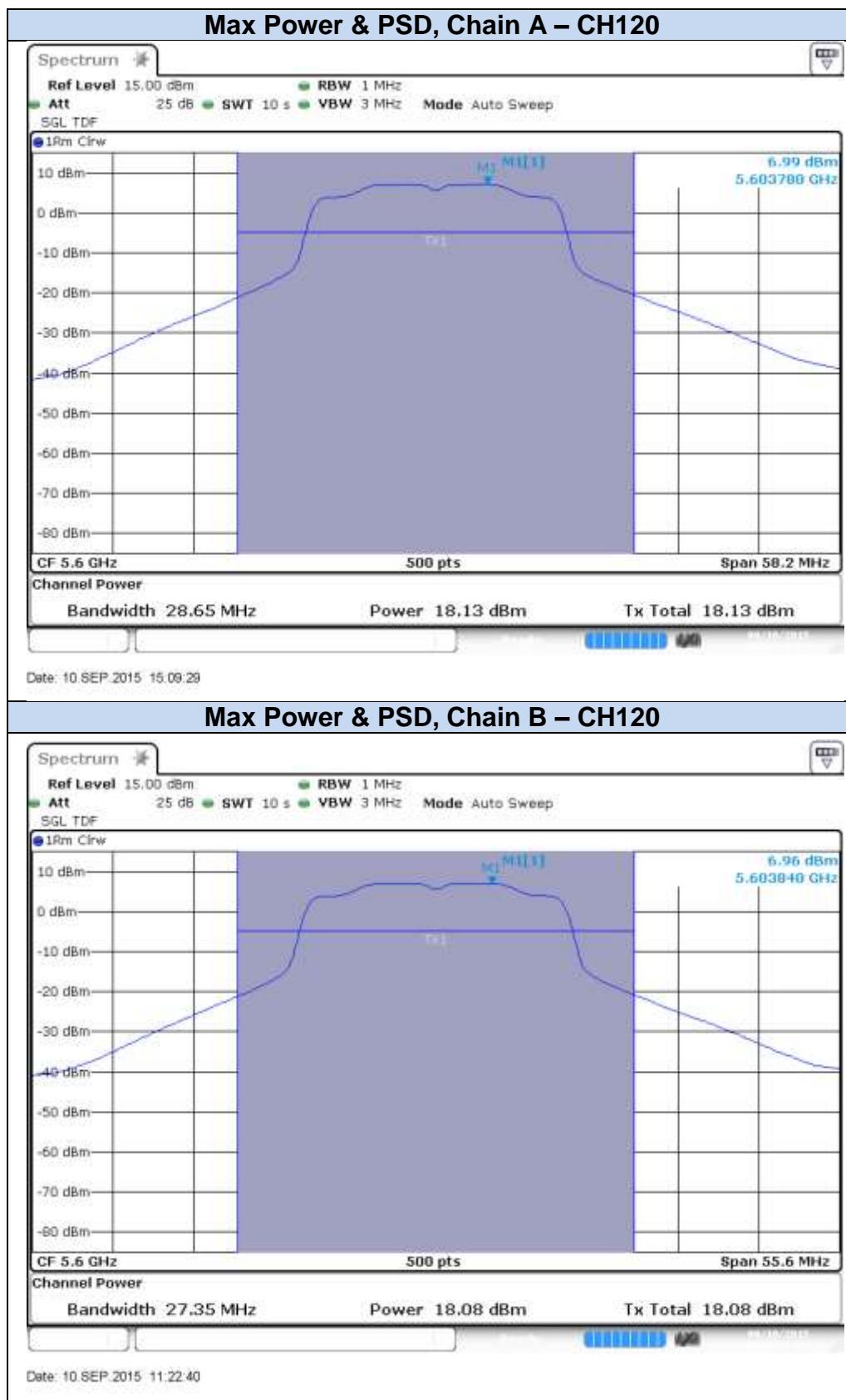


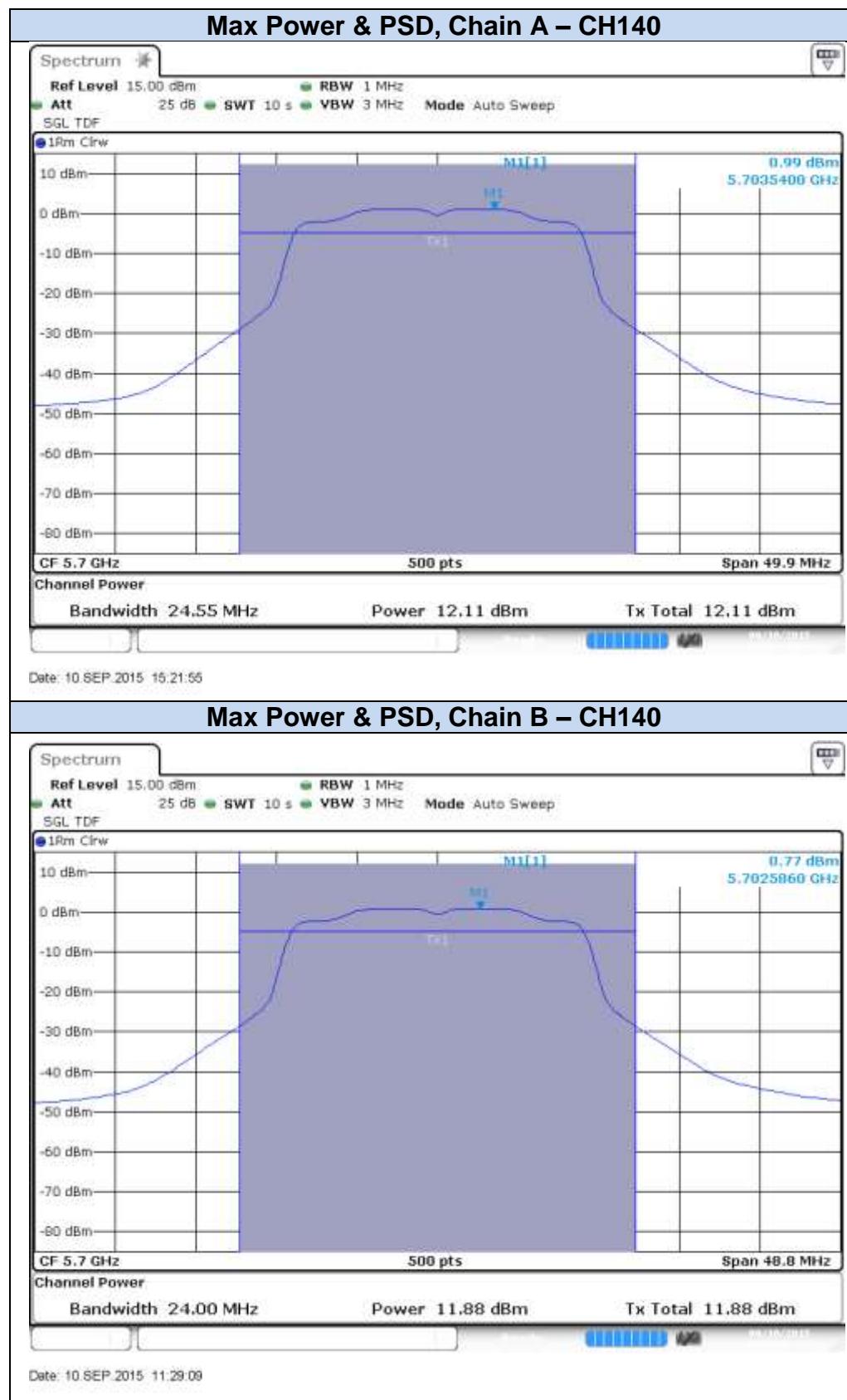


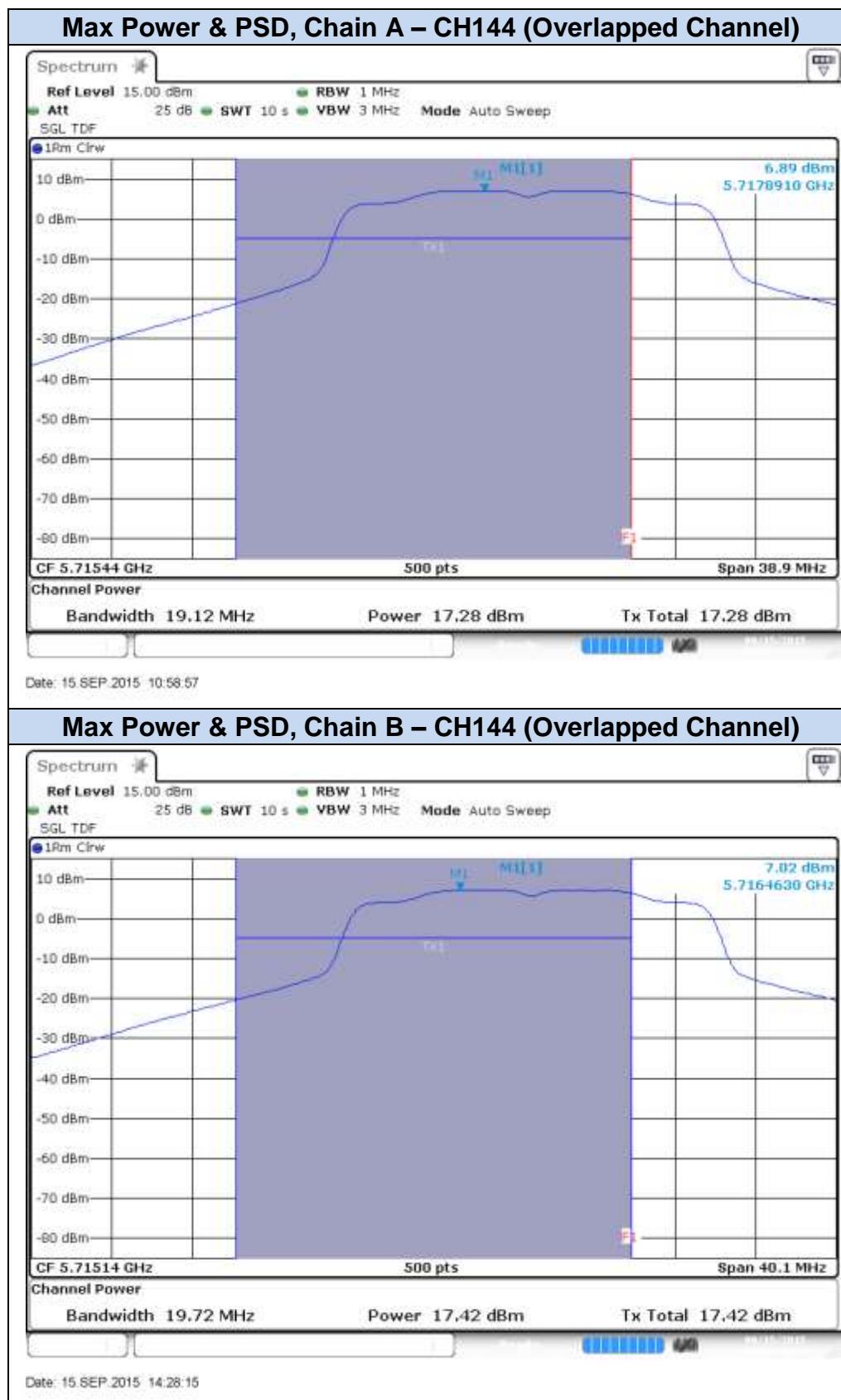


802.11n20, HT8 (MIMO)

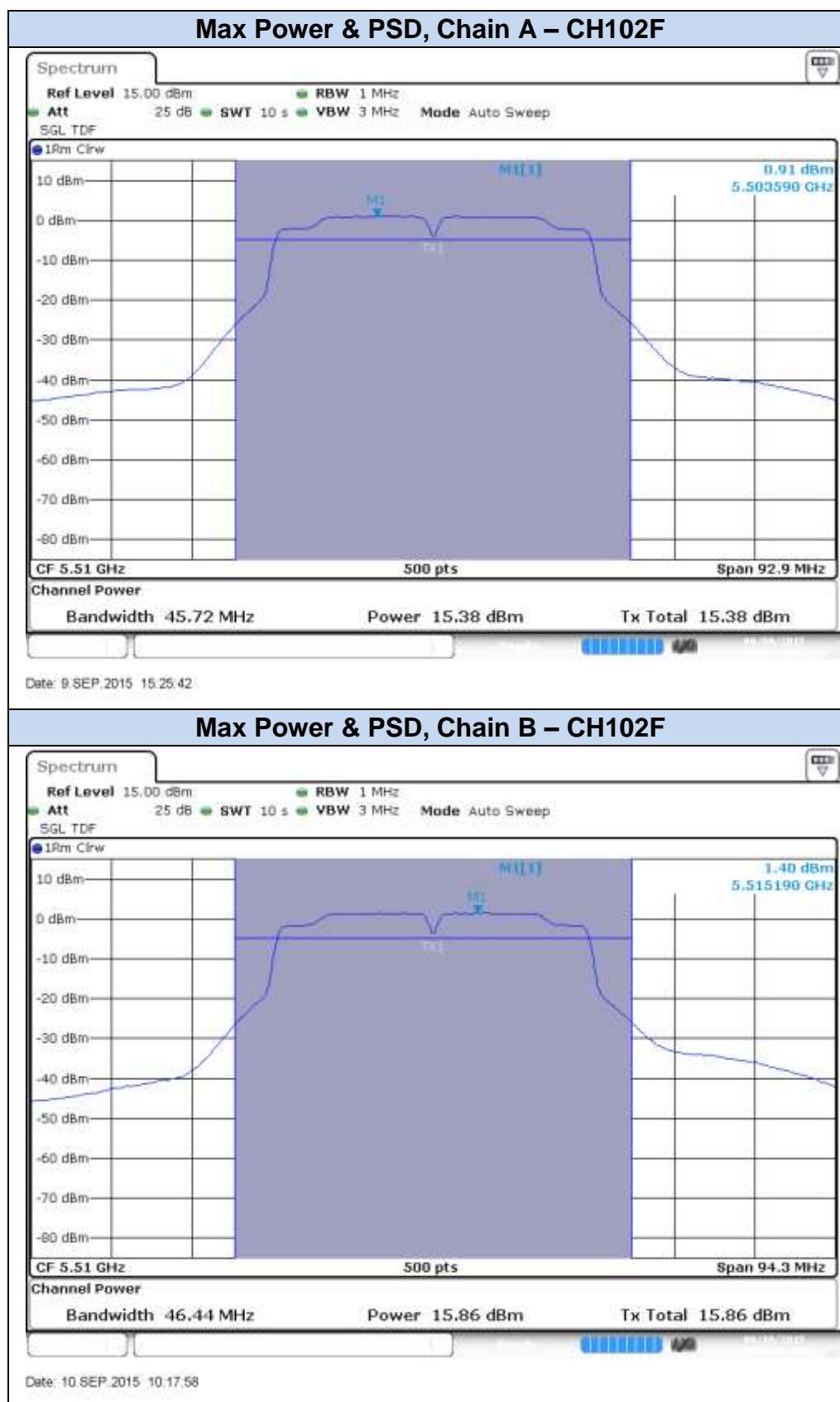


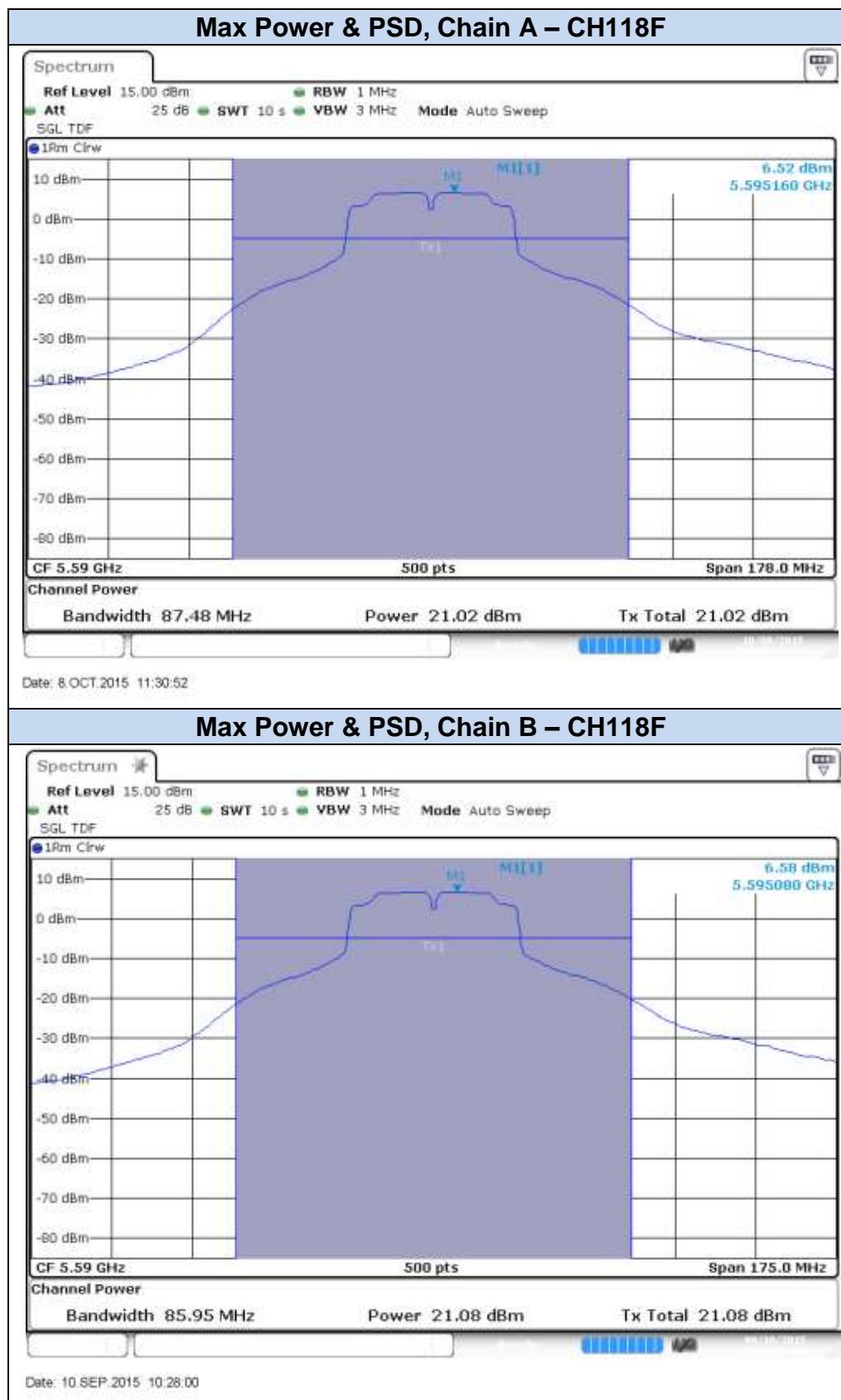


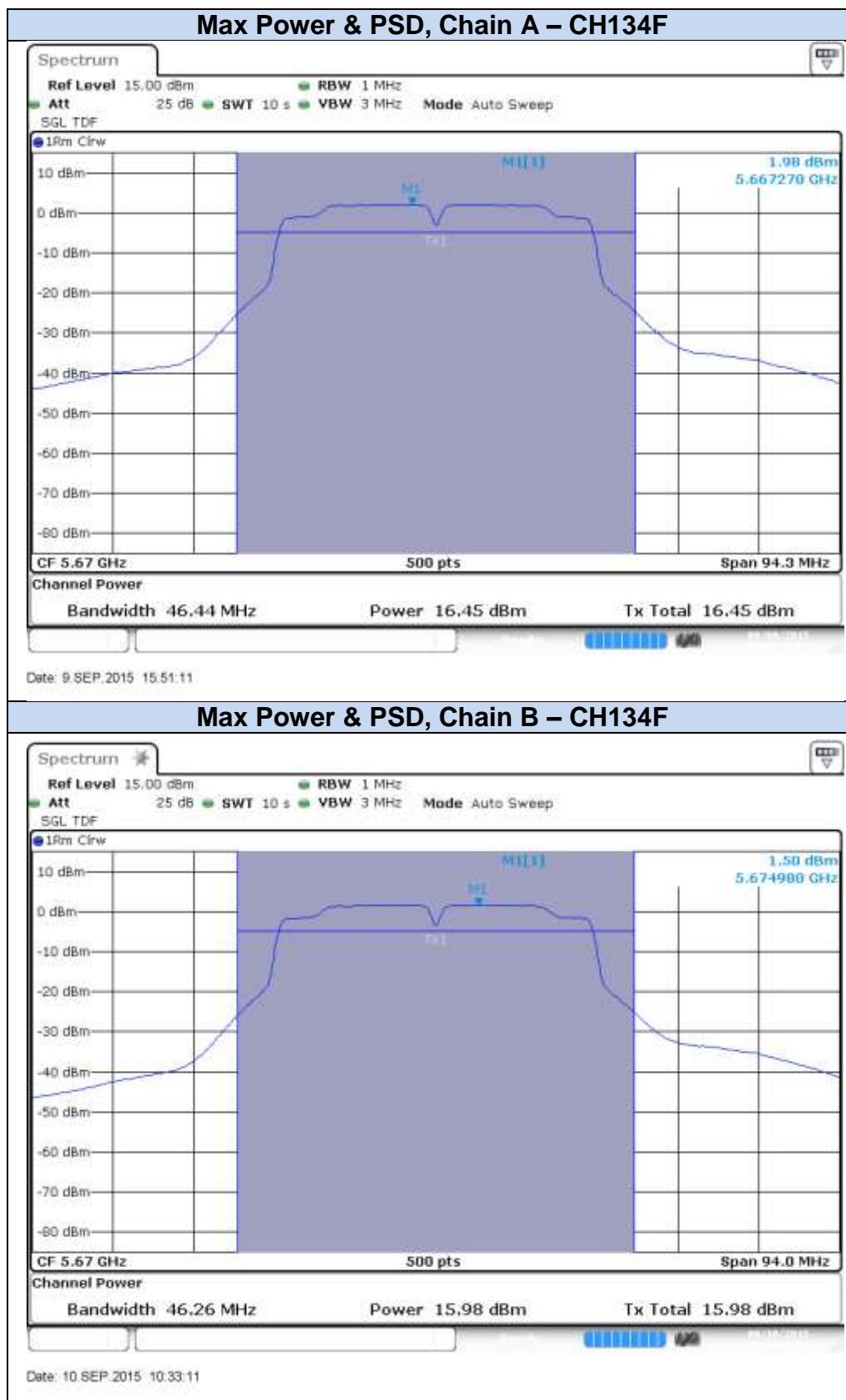


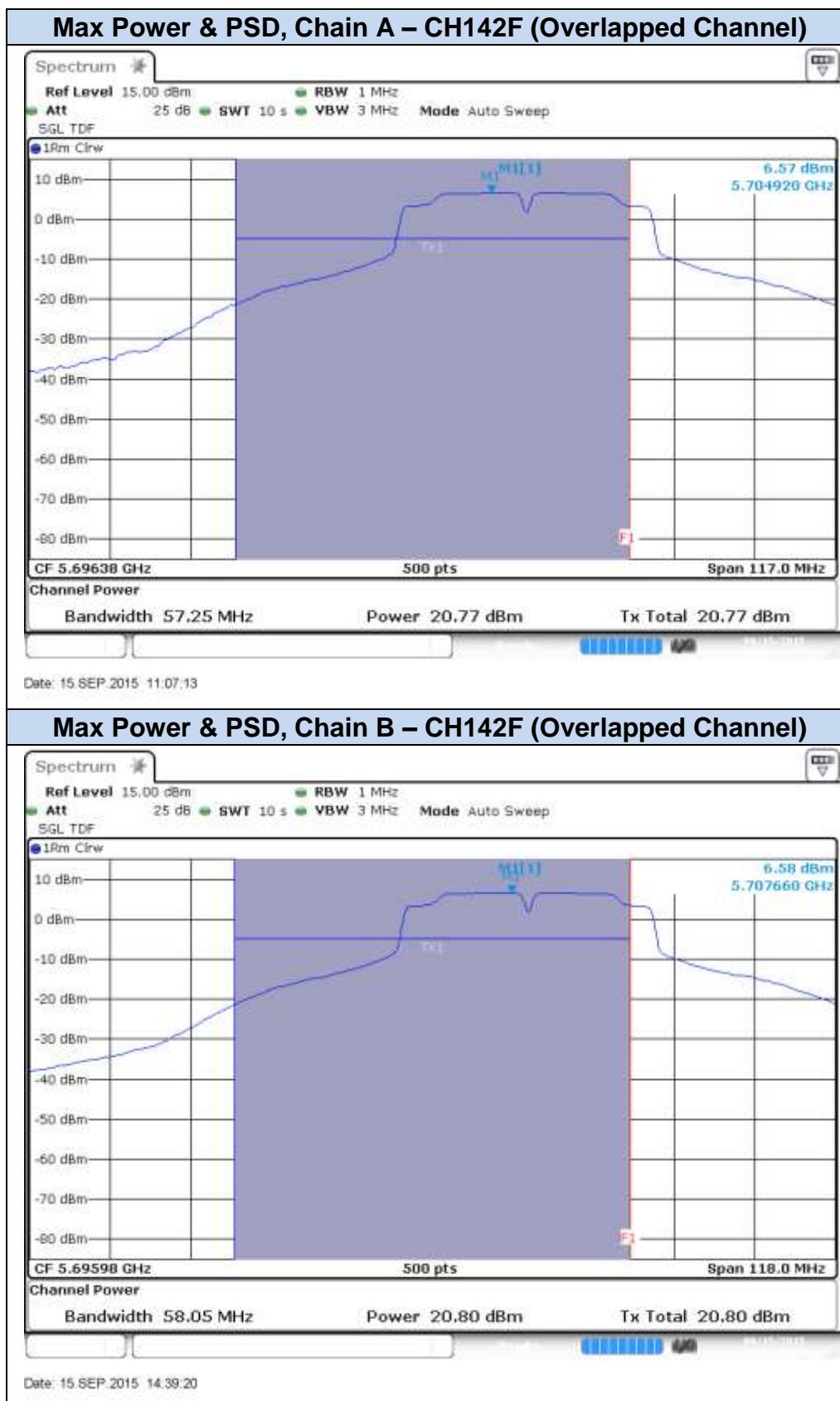


802.11n40, HT0 (SISO)

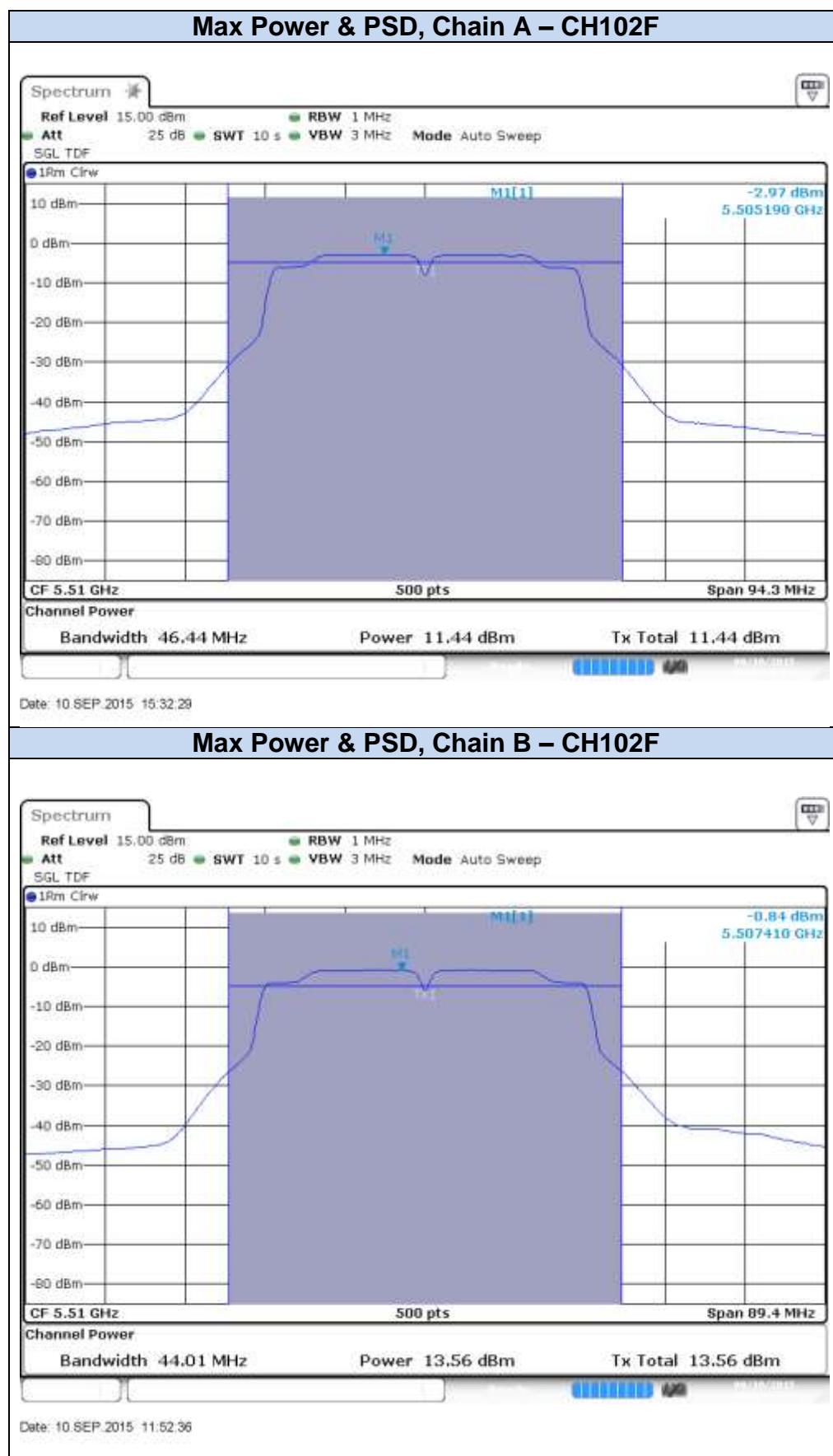




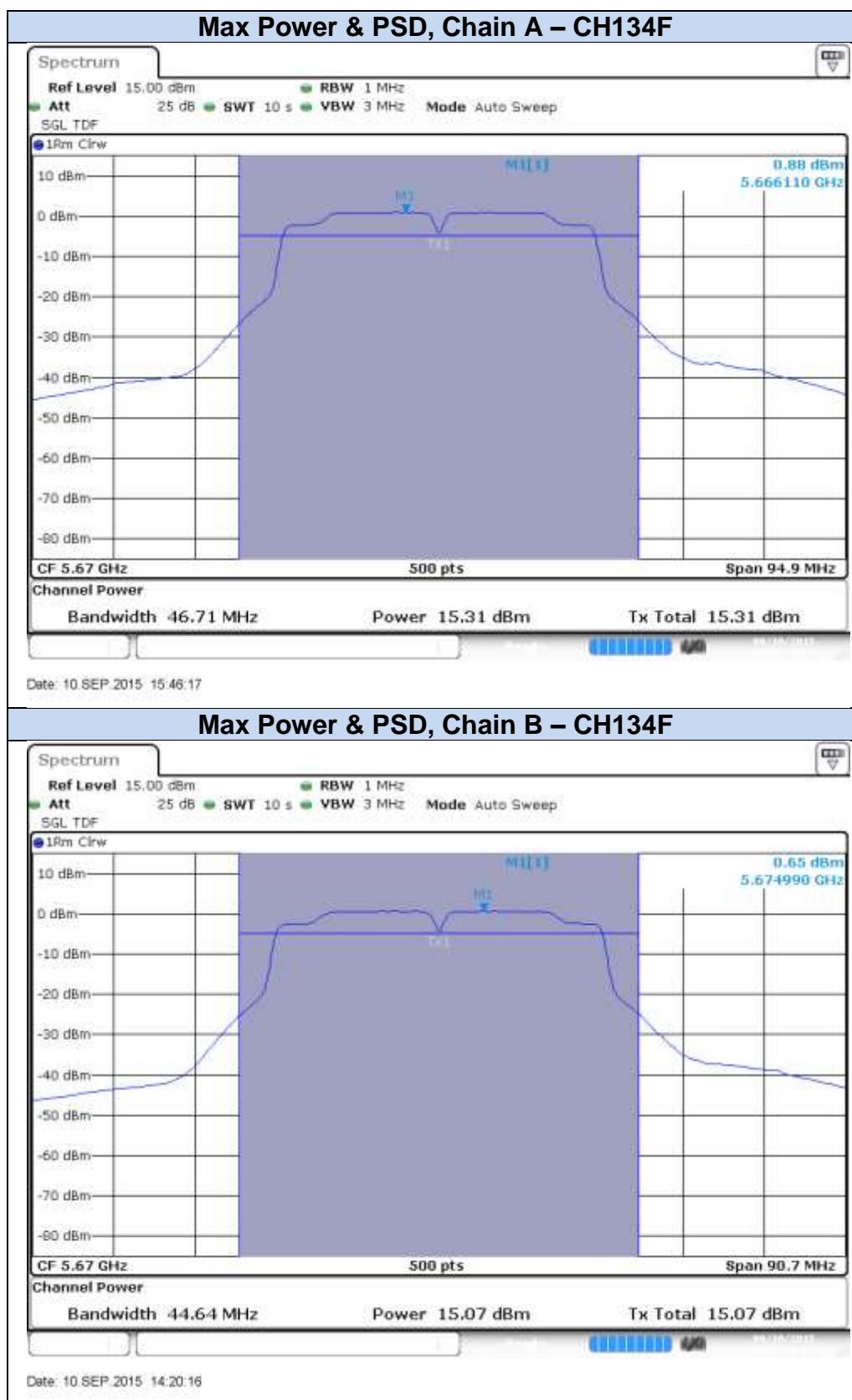


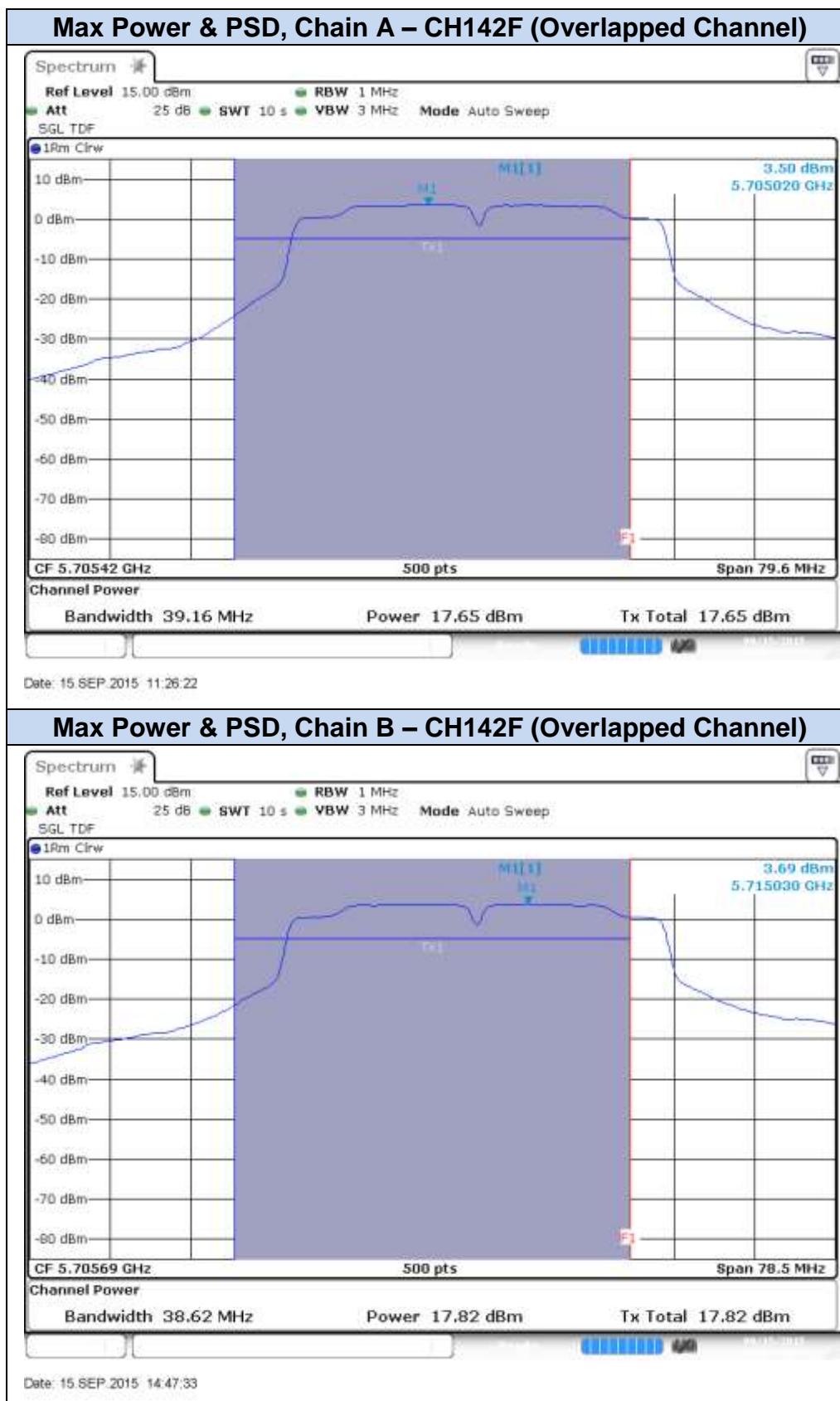


802.11n40, HT8 (MIMO)

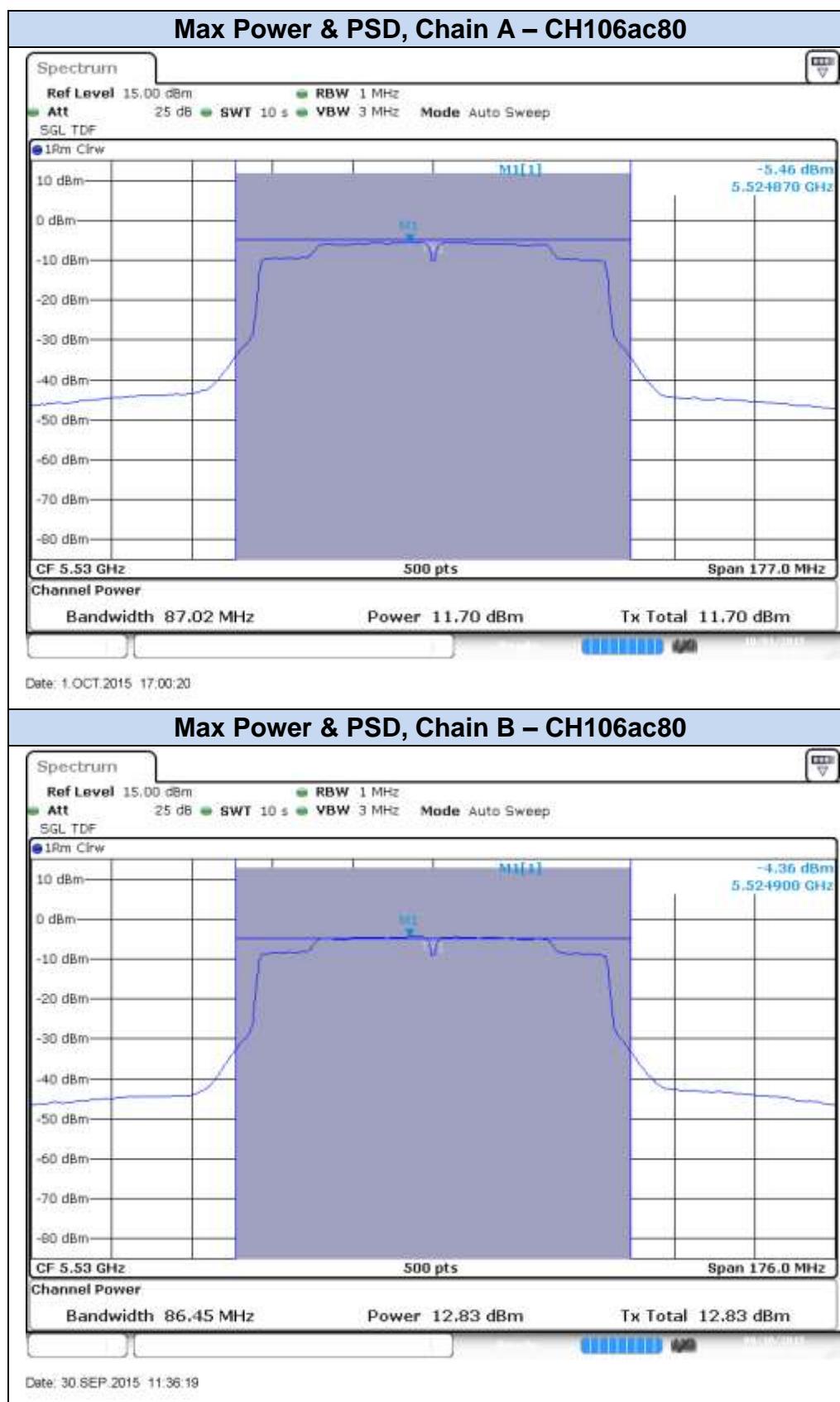


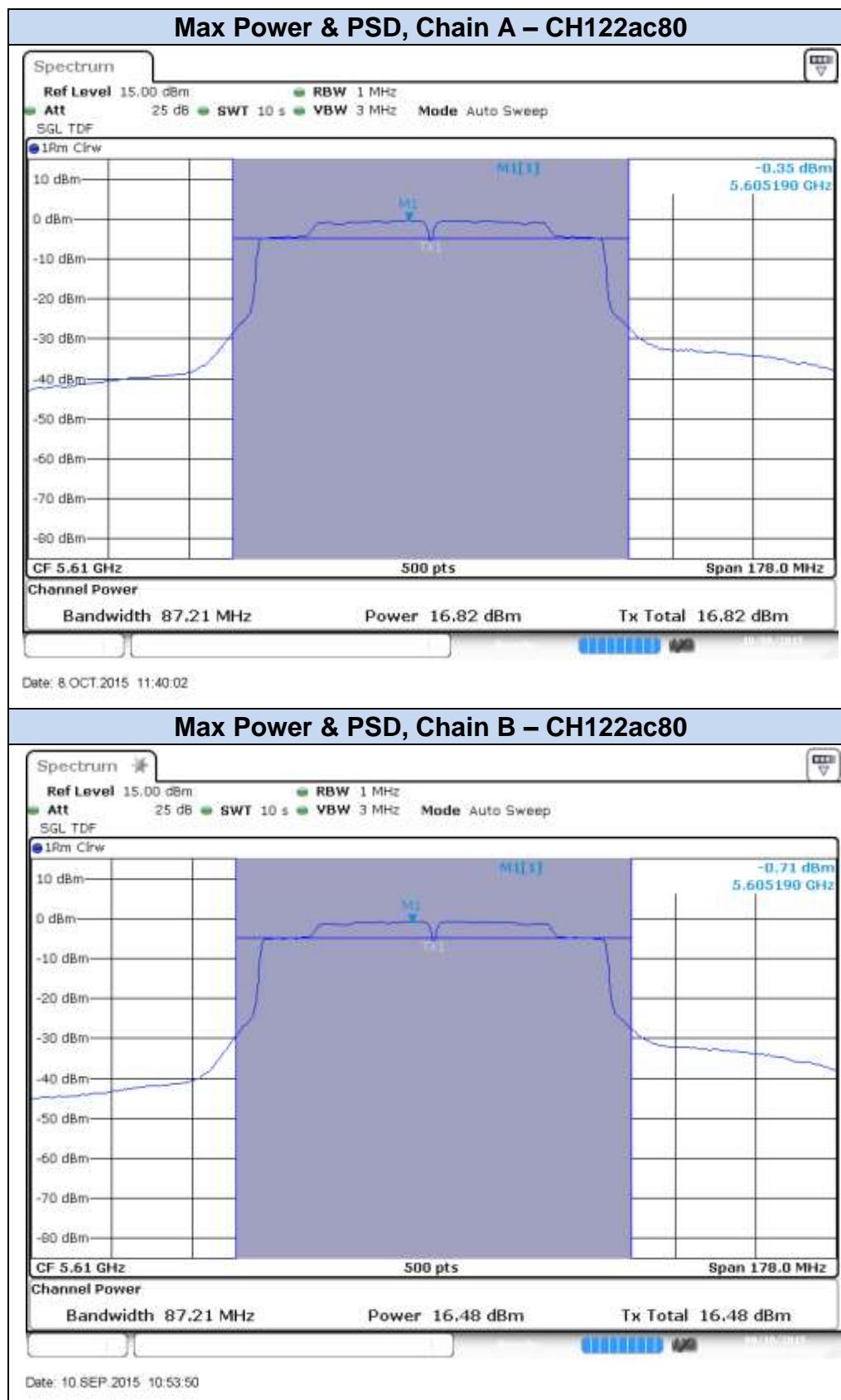


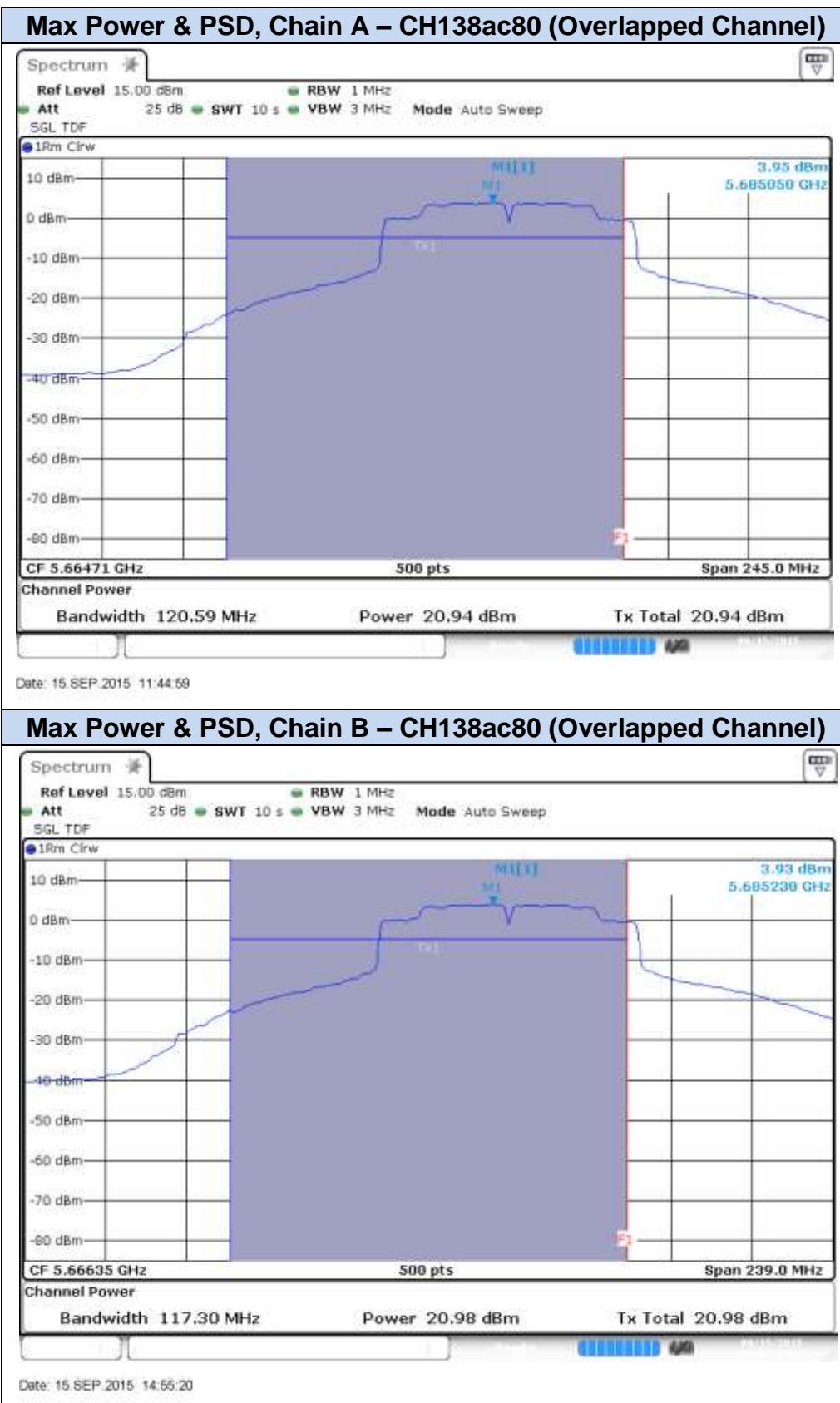




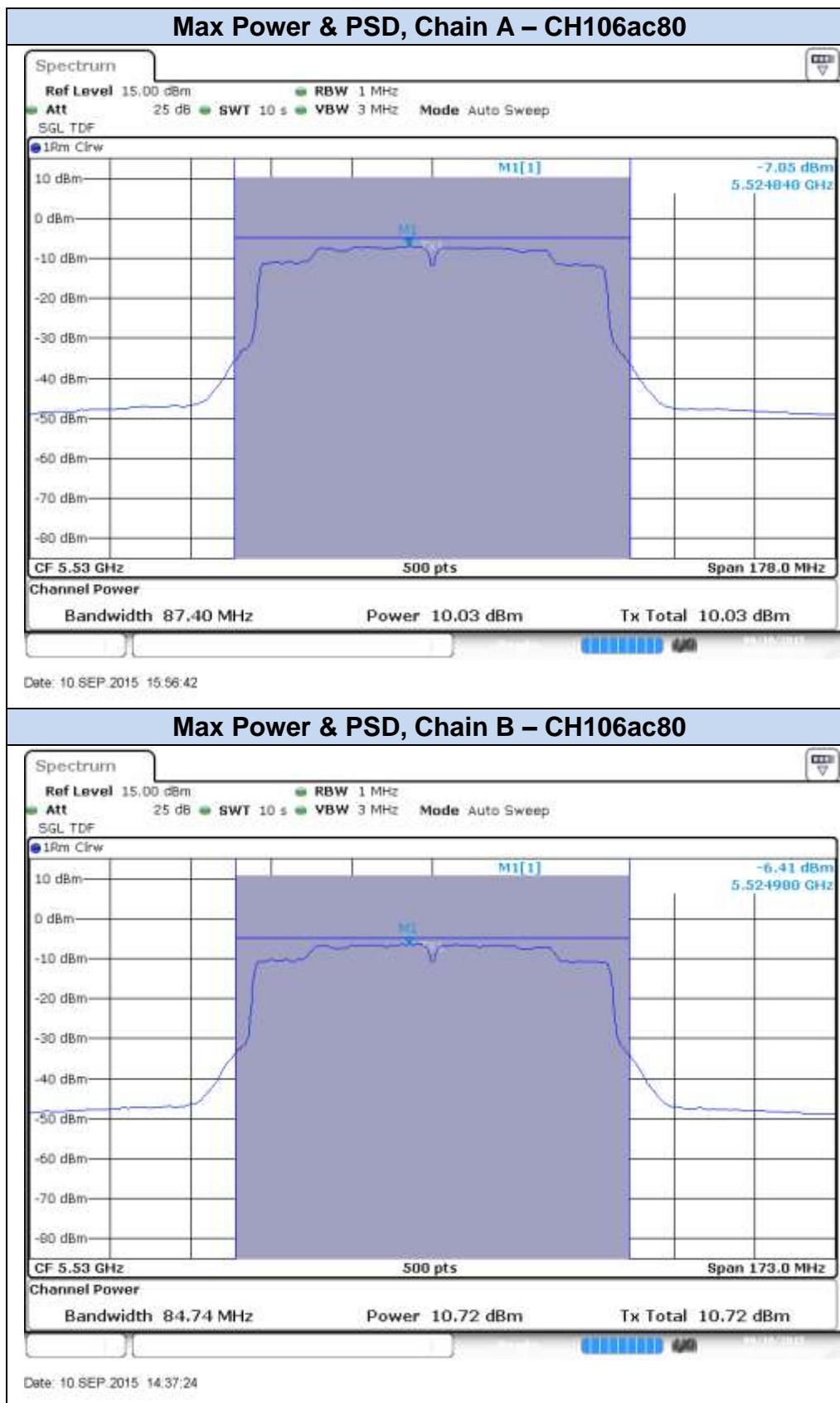
802.11ac80, VHT0 (SISO)

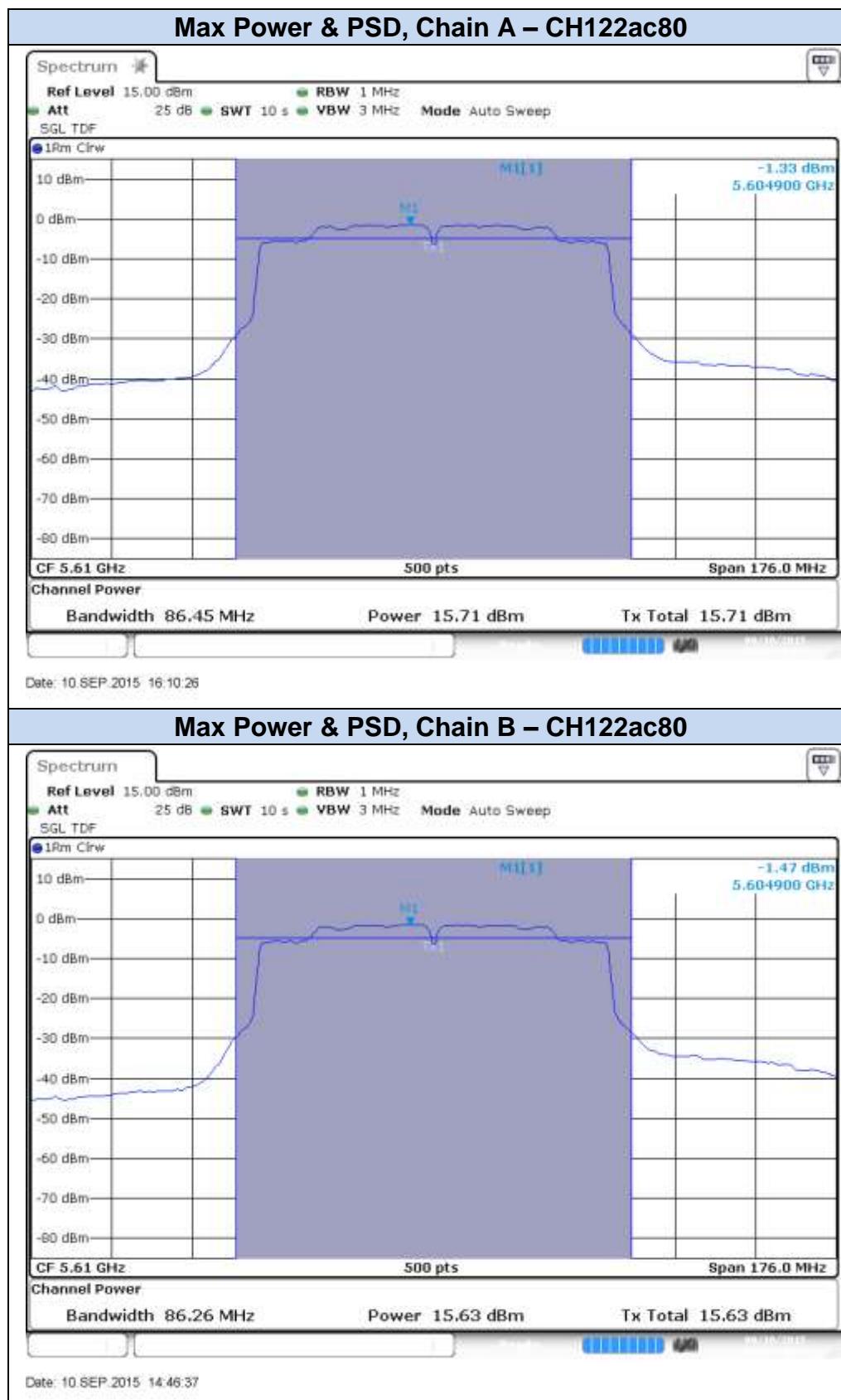




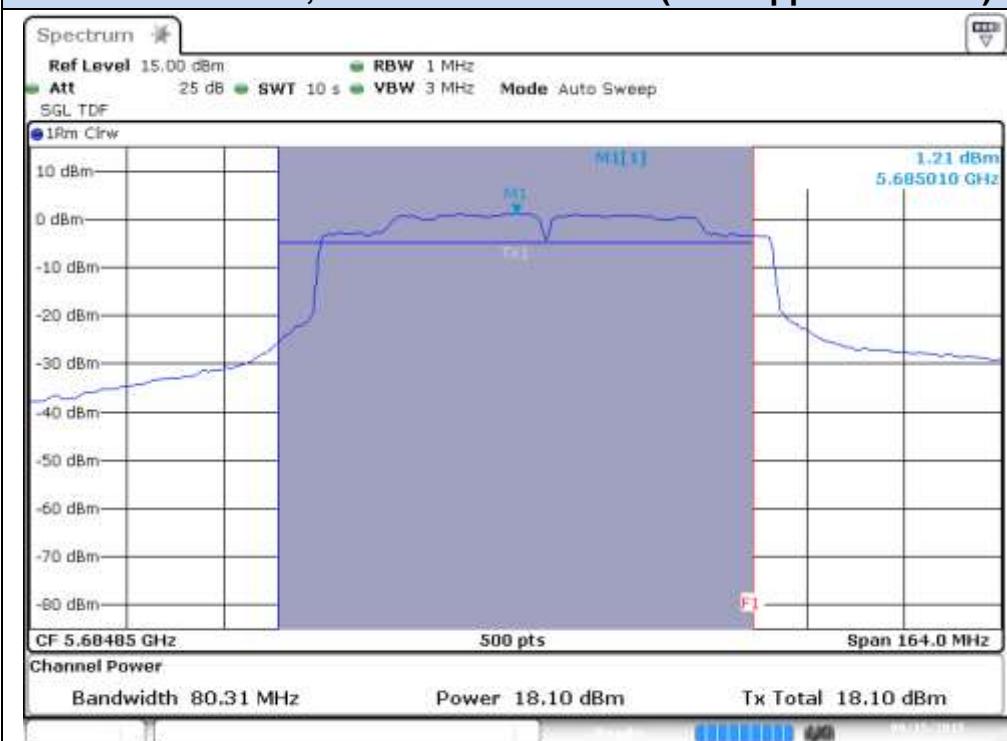


802.11ac80, VHT0 (MIMO)

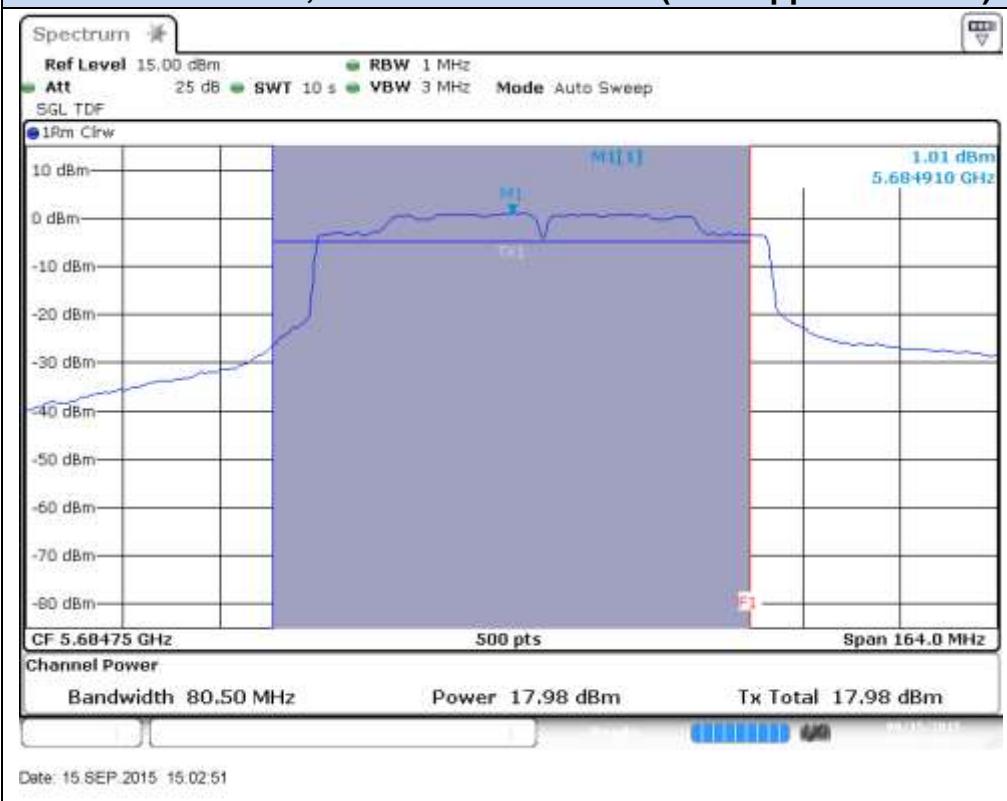




Max Power & PSD, Chain A – CH138ac80 (Overlapped Channel)



Max Power & PSD, Chain B – CH138ac80 (Overlapped Channel)



D.3 Undesirable emissions limits: Band Edge (conducted)

Test limits:

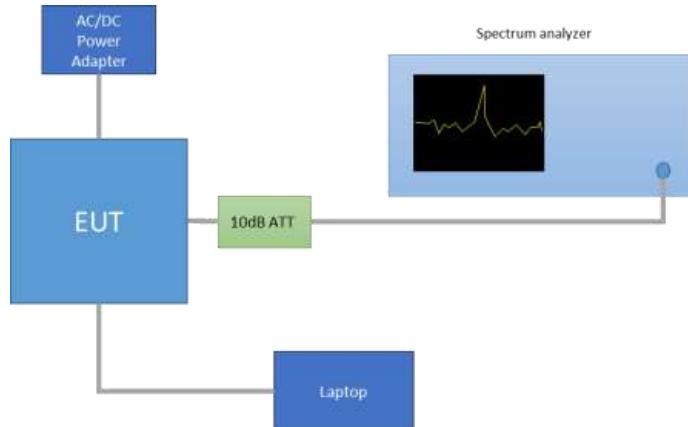
| FCC part | RSS Part | Limits | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-------------------|--------------------------------|--|--------------------|--|--|------------------|-----------------------------|--------------------------------------|--------------------|-------------|-------------|---|-----|-------------|--------------|---|-----|------------|----|---|----|-------|-----|----|---|--------|-----|------|---|---------|-----|----|---|-----------|-----|----|---|
| 15.407 (b) (3) | RSS-247 Clause 6.2.3 (2) | For transmitters operating in the 5.47–5.725 GHz band: all emissions outside of the 5.47–5.725 GHz band shall not exceed an EIRP of -27 dBm/MHz. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 15.209 | RSS-247 Clause 6.2.3 (2) | <p>Radiated emissions which fall in the restricted bands, as defined in §15.205(a), must also comply with the radiated emission limits specified in §15.209(a):</p> <table border="1"> <thead> <tr> <th>Freq Range (MHz)</th> <th>Field Strength (μV/m)</th> <th>Field Strength ($\text{dB}\mu$V/m)</th> <th>Meas. Distance (m)</th> </tr> </thead> <tbody> <tr> <td>0.009-0.490</td> <td>2400/f(kHz)</td> <td>-</td> <td>300</td> </tr> <tr> <td>0.490-1.705</td> <td>24000/f(kHz)</td> <td>-</td> <td>300</td> </tr> <tr> <td>1.705-30.0</td> <td>30</td> <td>-</td> <td>30</td> </tr> <tr> <td>30-88</td> <td>100</td> <td>40</td> <td>3</td> </tr> <tr> <td>88-216</td> <td>150</td> <td>43.5</td> <td>3</td> </tr> <tr> <td>216-960</td> <td>200</td> <td>46</td> <td>3</td> </tr> <tr> <td>Above 960</td> <td>500</td> <td>54</td> <td>3</td> </tr> </tbody> </table> <p>The emission limits shown in the above table are based on measurements employing CISPR quasi-peak detector except for the frequency bands 9-90 kHz, 110-490 kHz and above 1000 MHz. Radiated emission limits in these three bands are based on measurements employing an average detector. For average radiated emission measurements above 1000 MHz, there is also a limit specified when measuring with peak detector function, corresponding to 20 dB above the indicated values in the table.</p> | | | | Freq Range (MHz) | Field Strength (μ V/m) | Field Strength ($\text{dB}\mu$ V/m) | Meas. Distance (m) | 0.009-0.490 | 2400/f(kHz) | - | 300 | 0.490-1.705 | 24000/f(kHz) | - | 300 | 1.705-30.0 | 30 | - | 30 | 30-88 | 100 | 40 | 3 | 88-216 | 150 | 43.5 | 3 | 216-960 | 200 | 46 | 3 | Above 960 | 500 | 54 | 3 |
| Freq Range (MHz) | Field Strength (μ V/m) | Field Strength ($\text{dB}\mu$ V/m) | Meas. Distance (m) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0.009-0.490 | 2400/f(kHz) | - | 300 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0.490-1.705 | 24000/f(kHz) | - | 300 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1.705-30.0 | 30 | - | 30 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 30-88 | 100 | 40 | 3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 88-216 | 150 | 43.5 | 3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 216-960 | 200 | 46 | 3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Above 960 | 500 | 54 | 3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

Test procedure:

The setup below was used to measure undesirable emissions on the Band Edge domain. The antenna terminal of the EUT is connected to the spectrum through an attenuator, and the spectrum analyzer reading is compensated to include the RF path loss and the declared Antenna Gain.

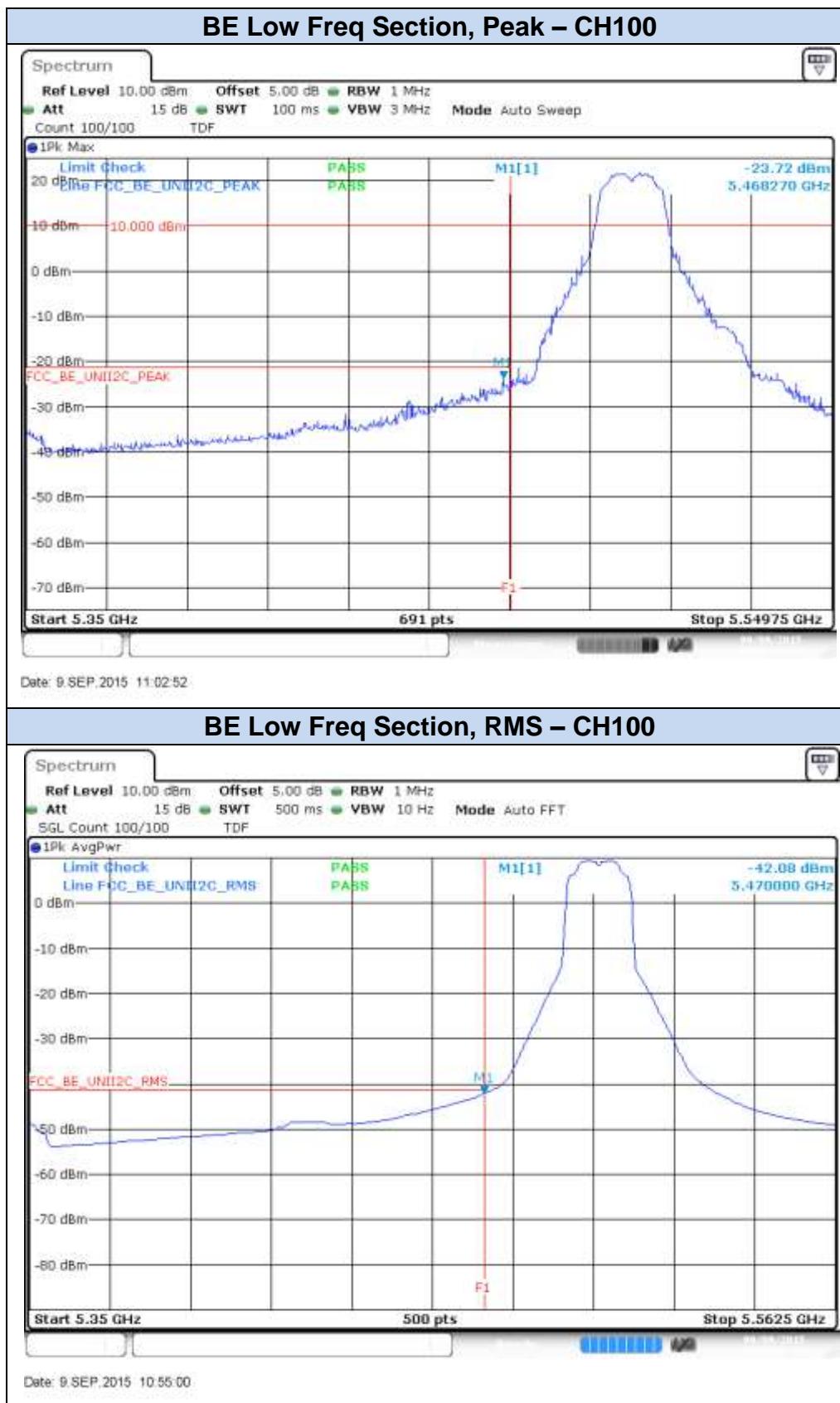
In case of Band Edge measurements falling in restricted bands, the declared Antenna Gain is also compensated in the graph.

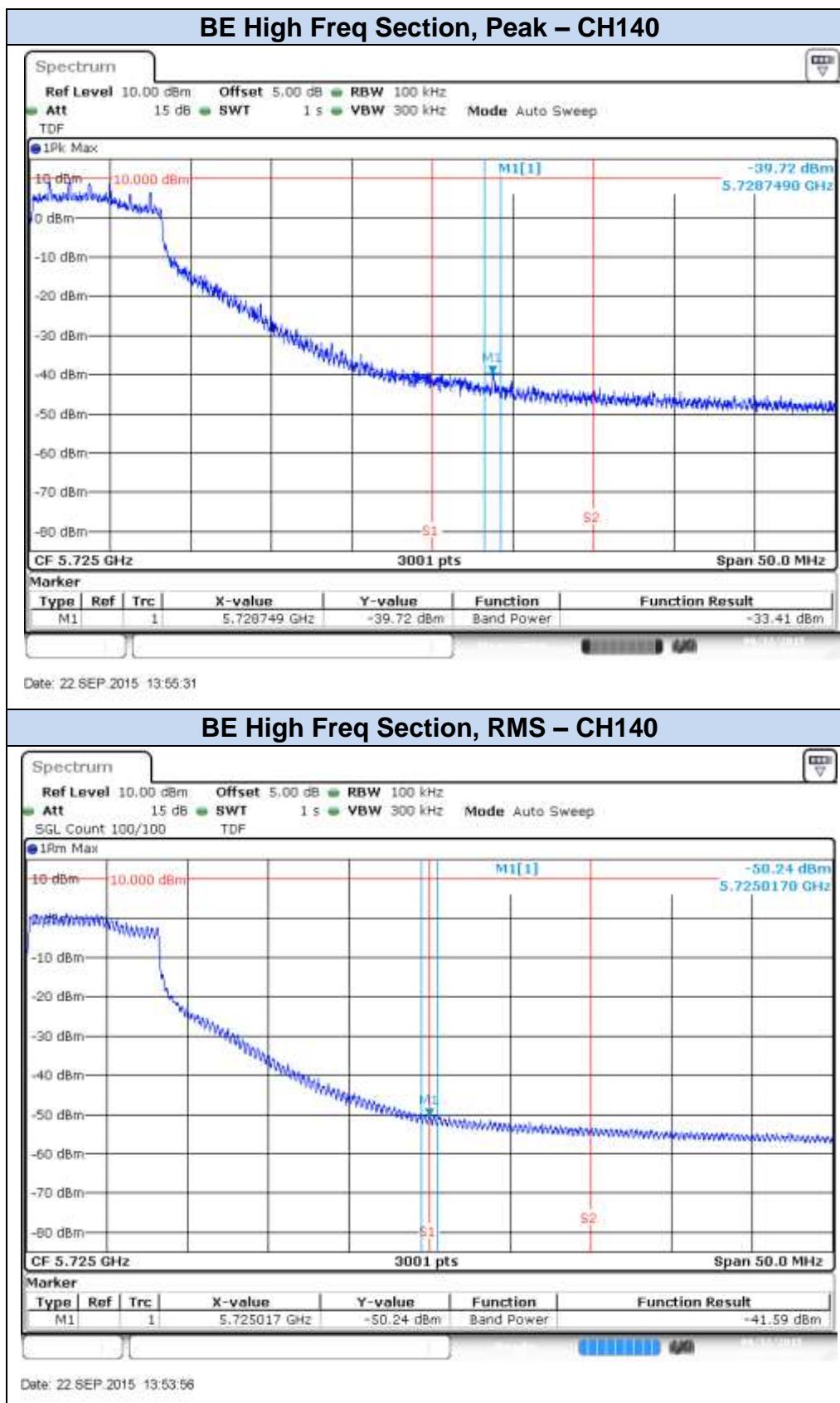
The declared maximum antenna gain is 5dBi.



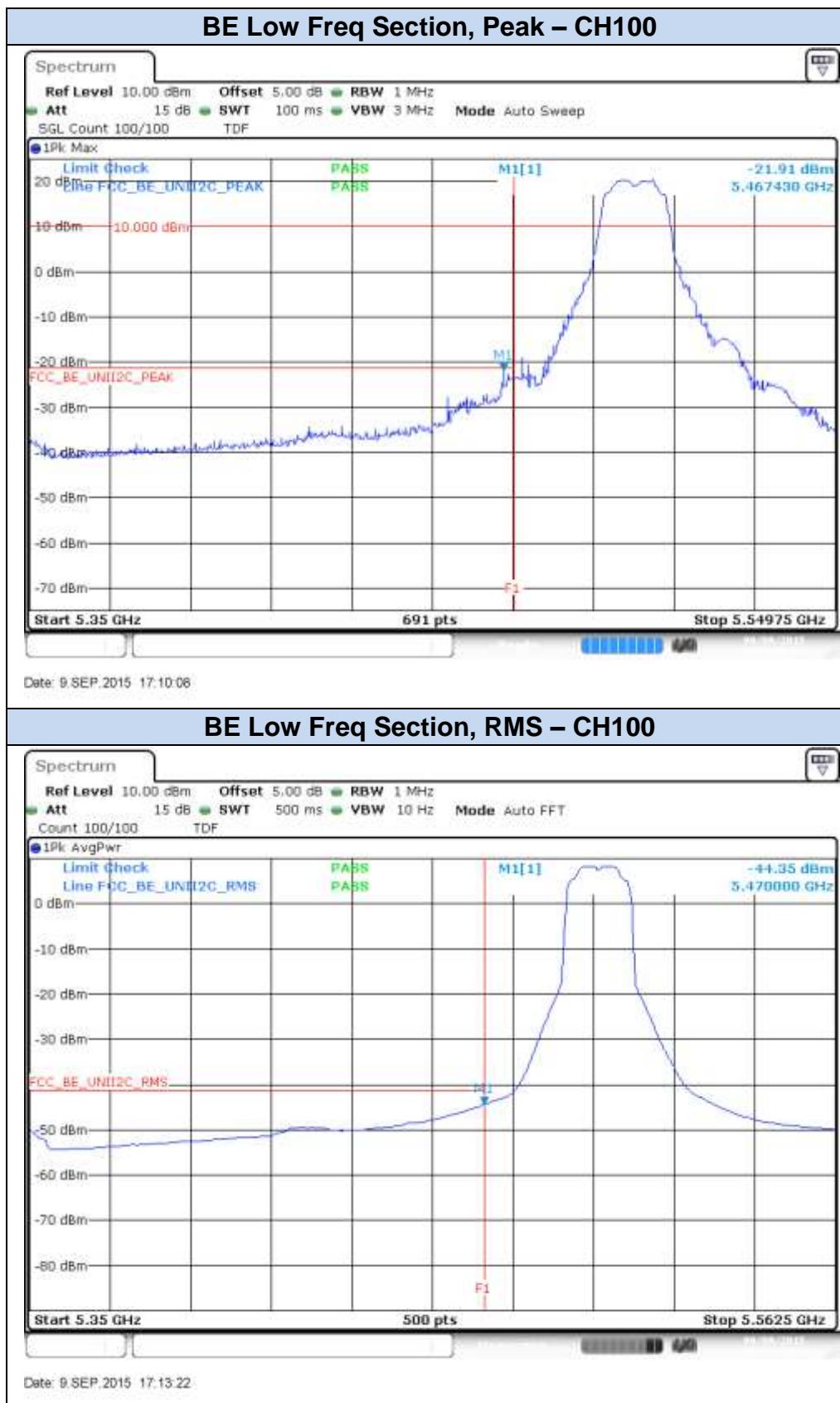
The following limits in dBm were applied for the average detector after the conversion from the limits detailed above in dB μ V/m, according to FCC 47 CFR part 15 - Subpart C – §15.209(a). The limits in dBm for peak detector are 20dB above the indicated values in the table.

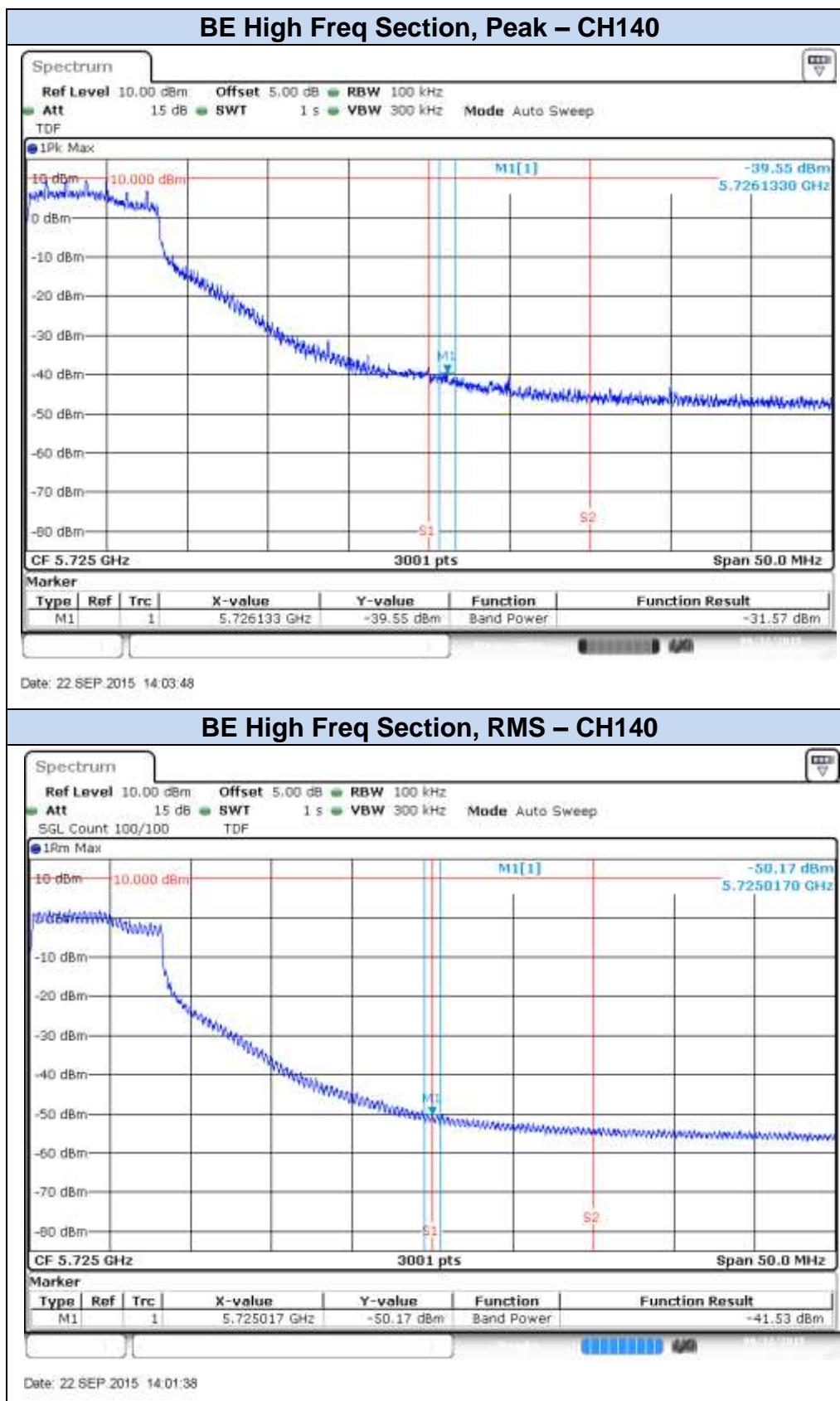
| §15.209(a) | | | Converted values | |
|------------------|--------------|-----------------------------------|--------------------------------------|-------------|
| Freq Range (MHz) | Distance (m) | Field strength (microvolts/meter) | Field strength (dB microvolts/meter) | Power (dBm) |
| Above 960 | 3 | 500 | 53.98 | -41.2 |

Results Screenshot:**802.11a, 6Mbps – Chain A**

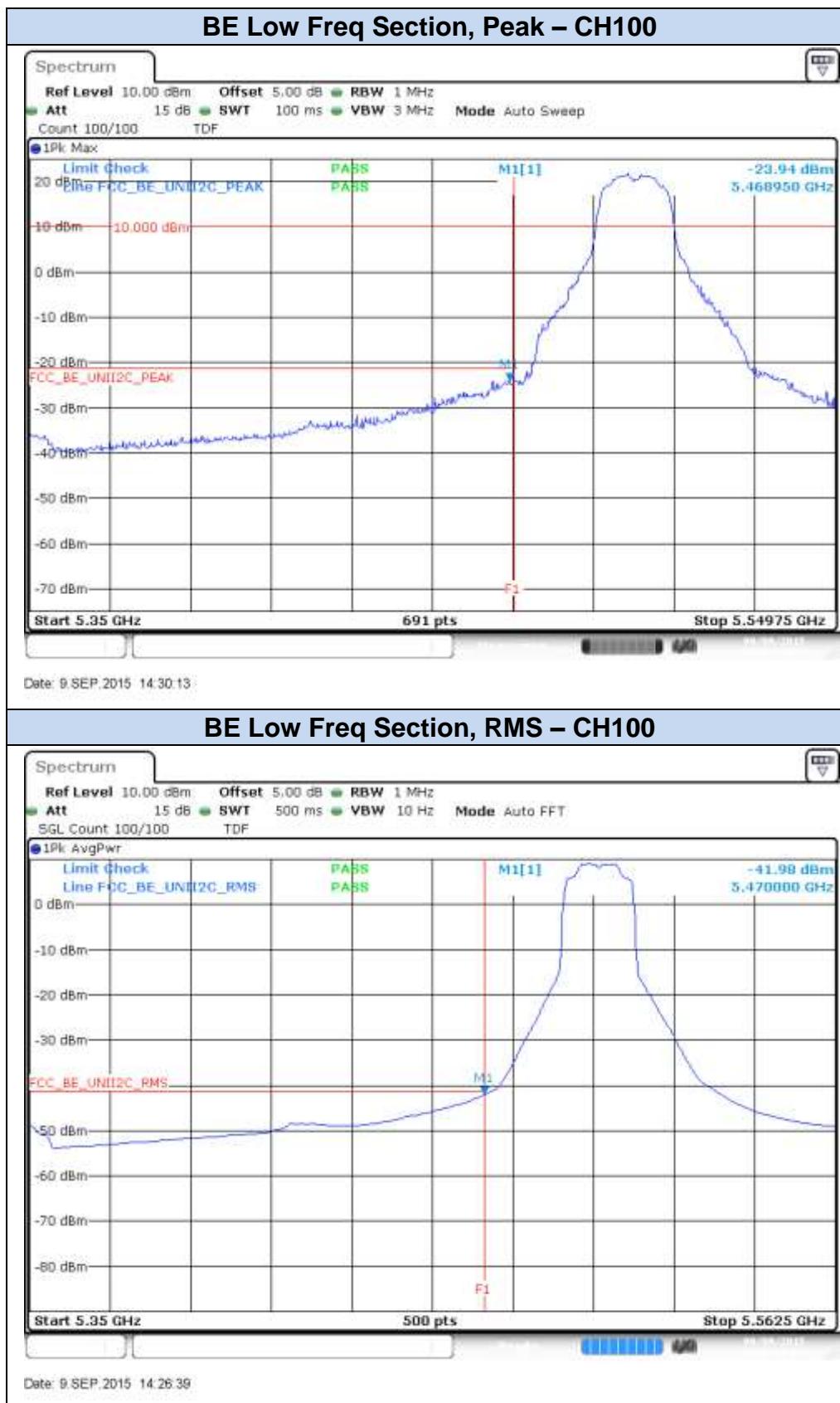


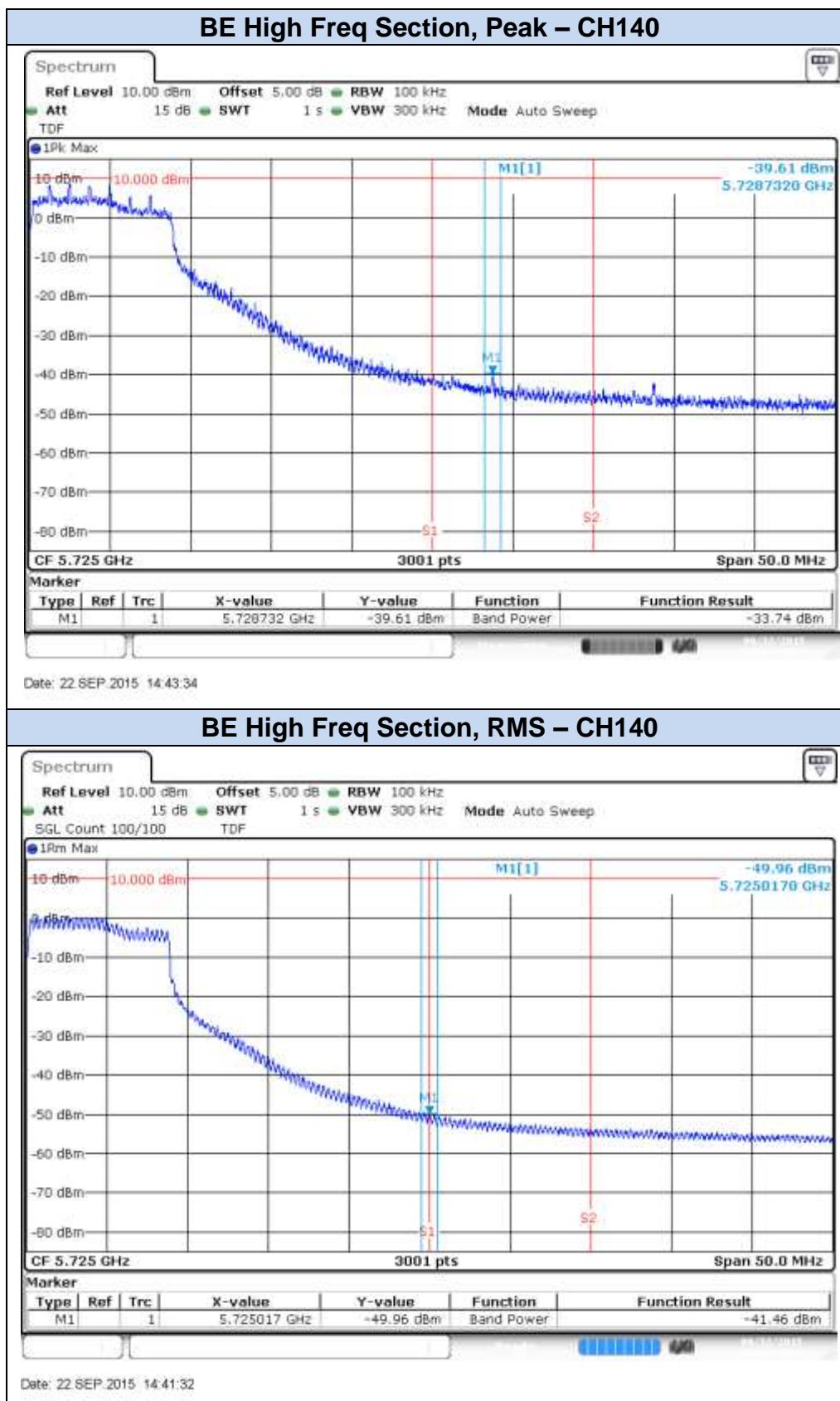
802.11a, 6Mbps – Chain B



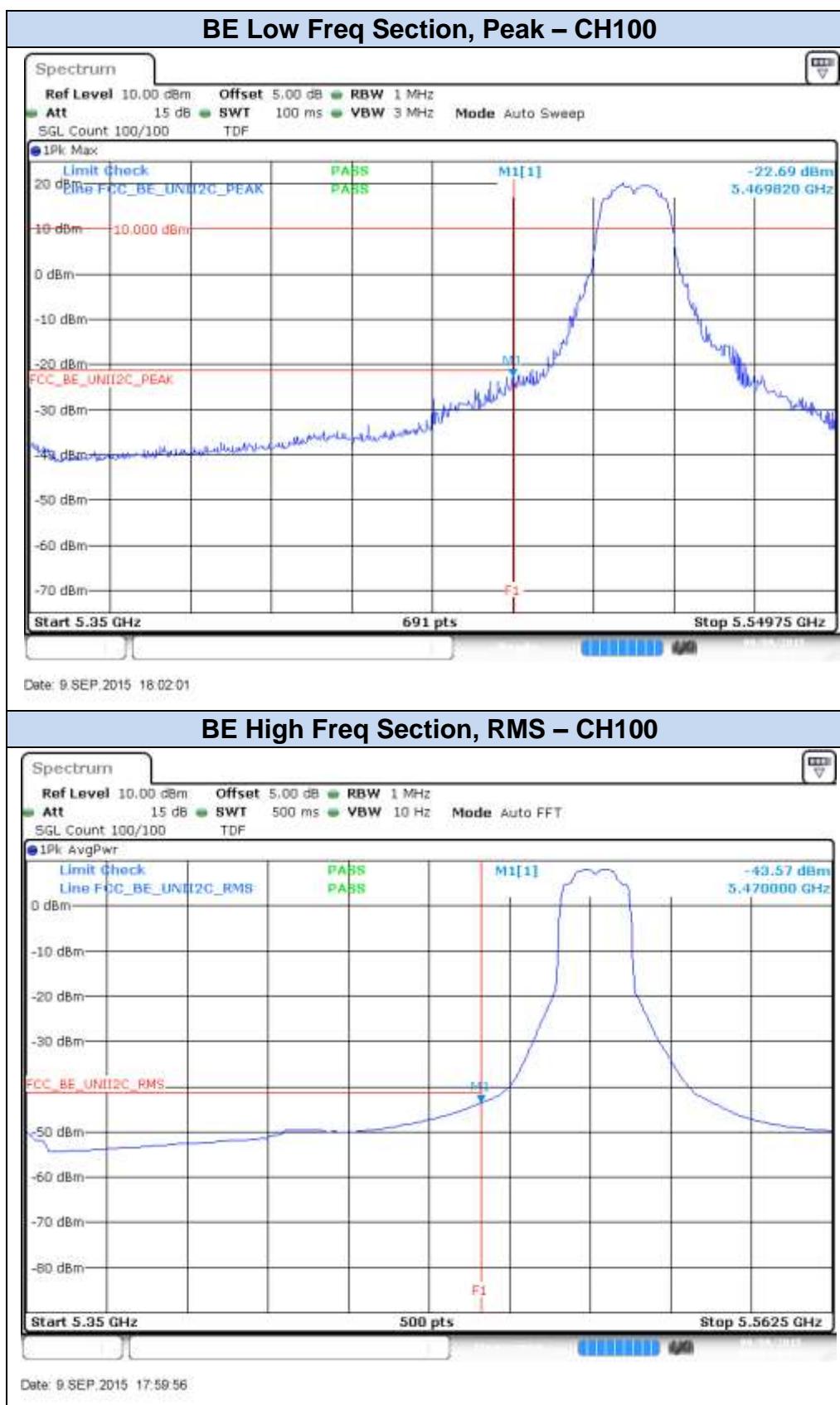


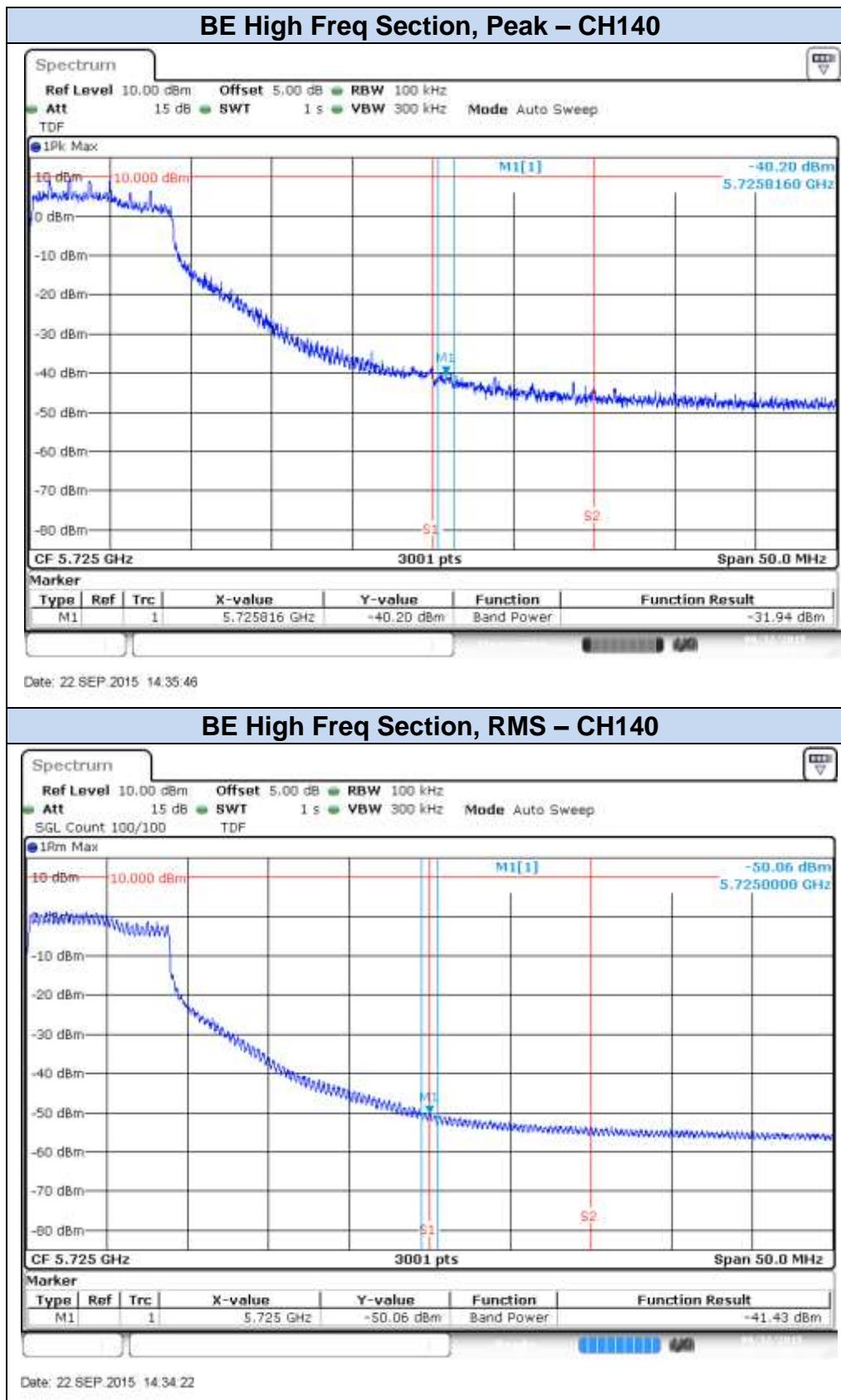
802.11n20, HT0 (SISO) – Chain A



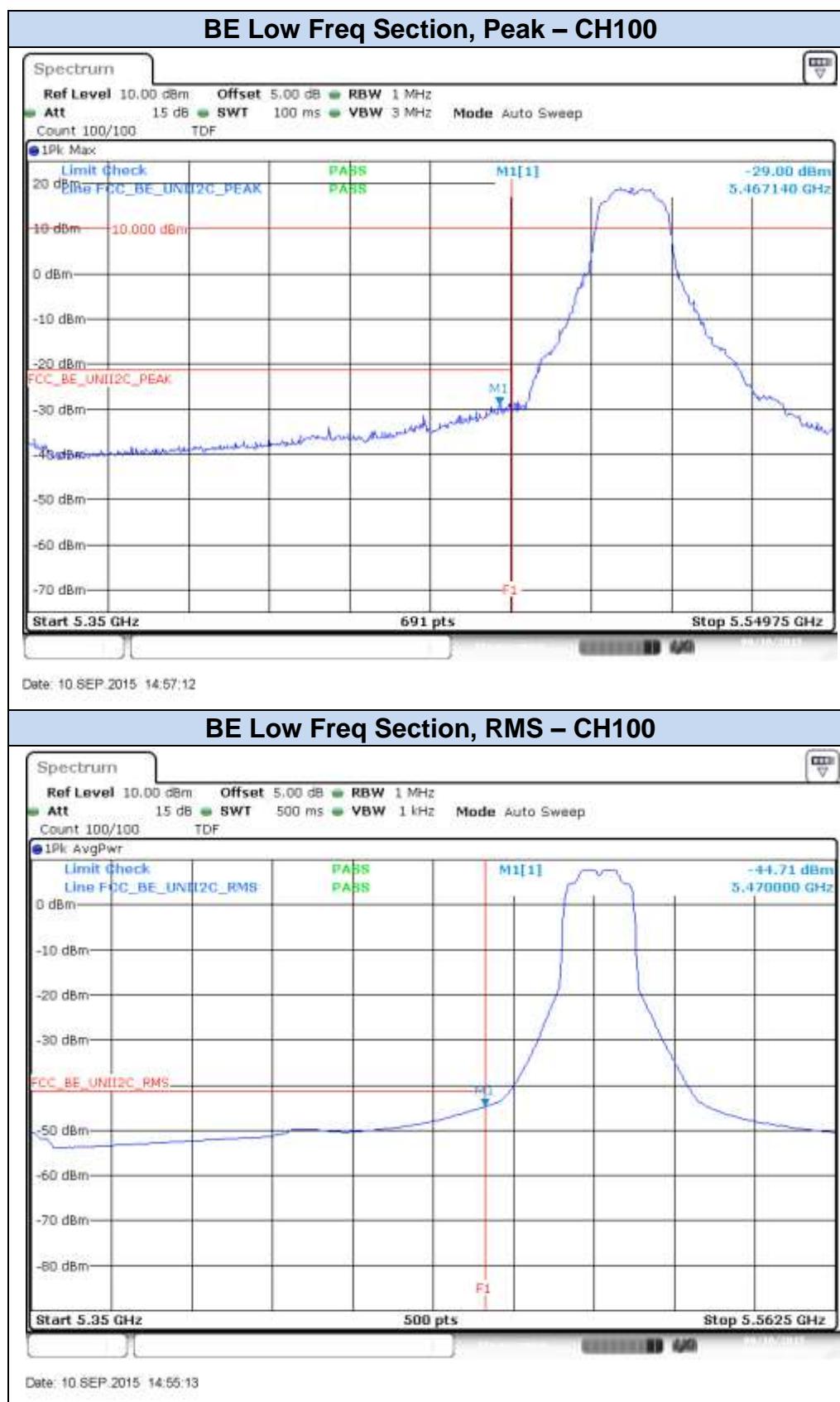


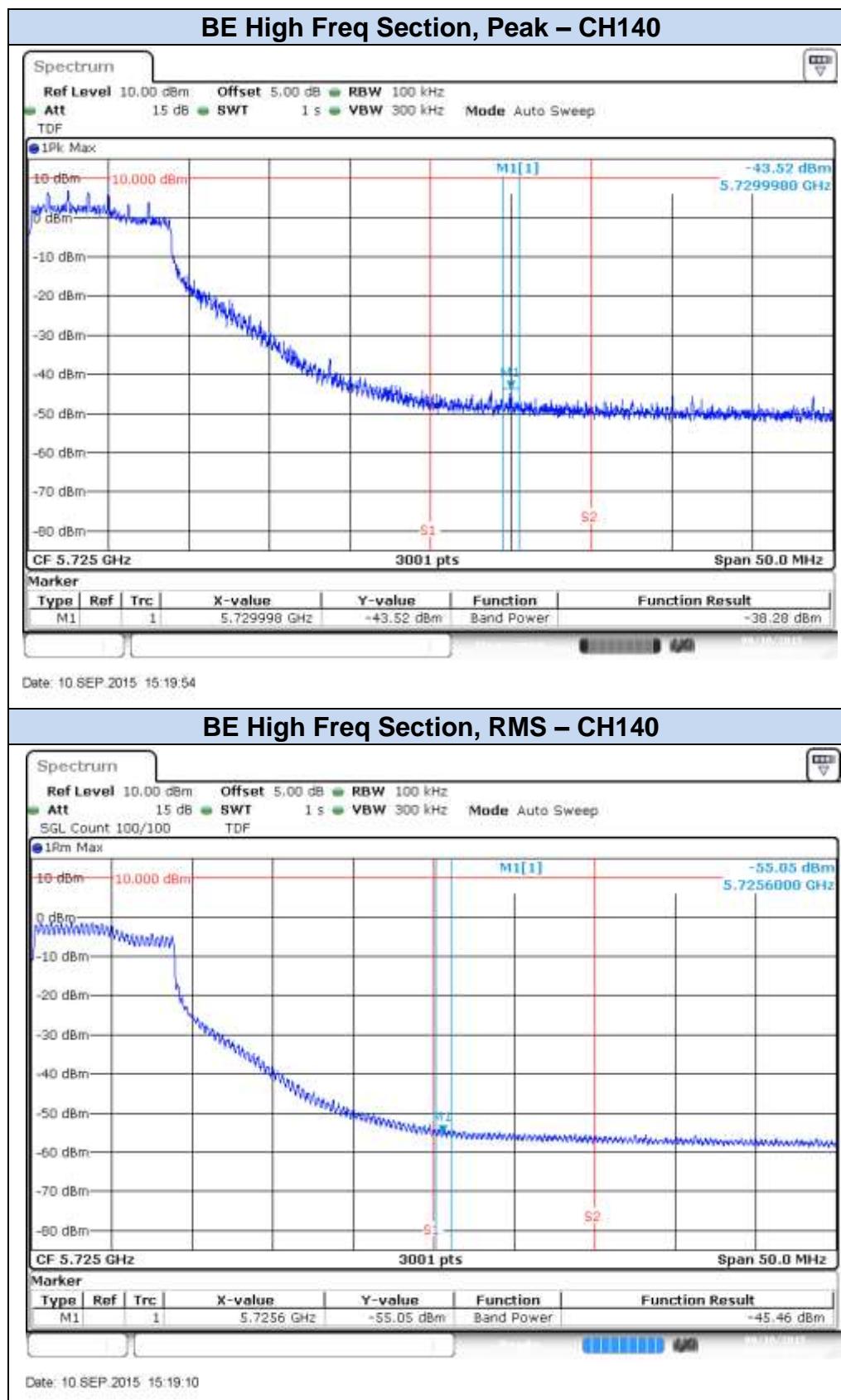
802.11n20, HT0 (SISO) – Chain B



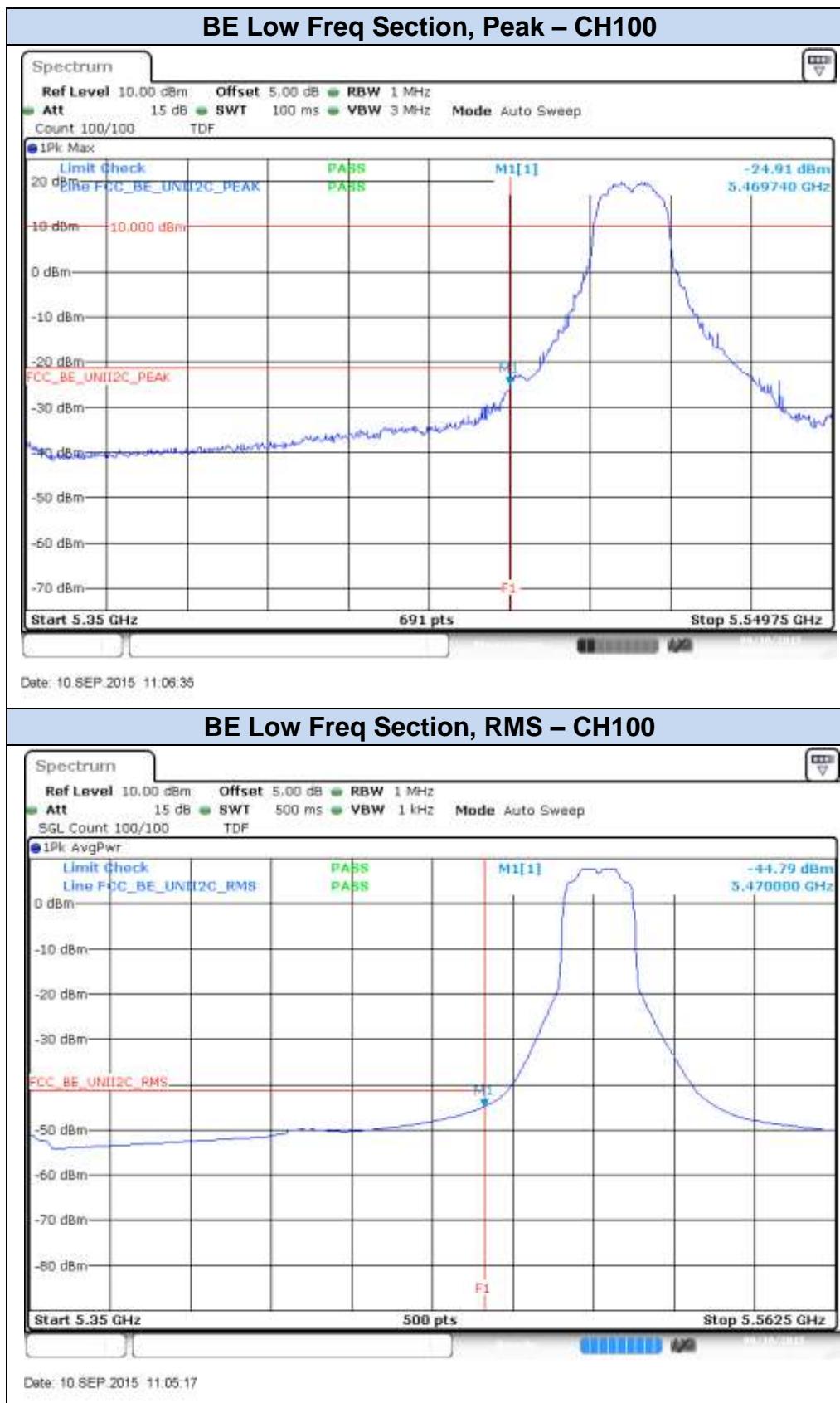


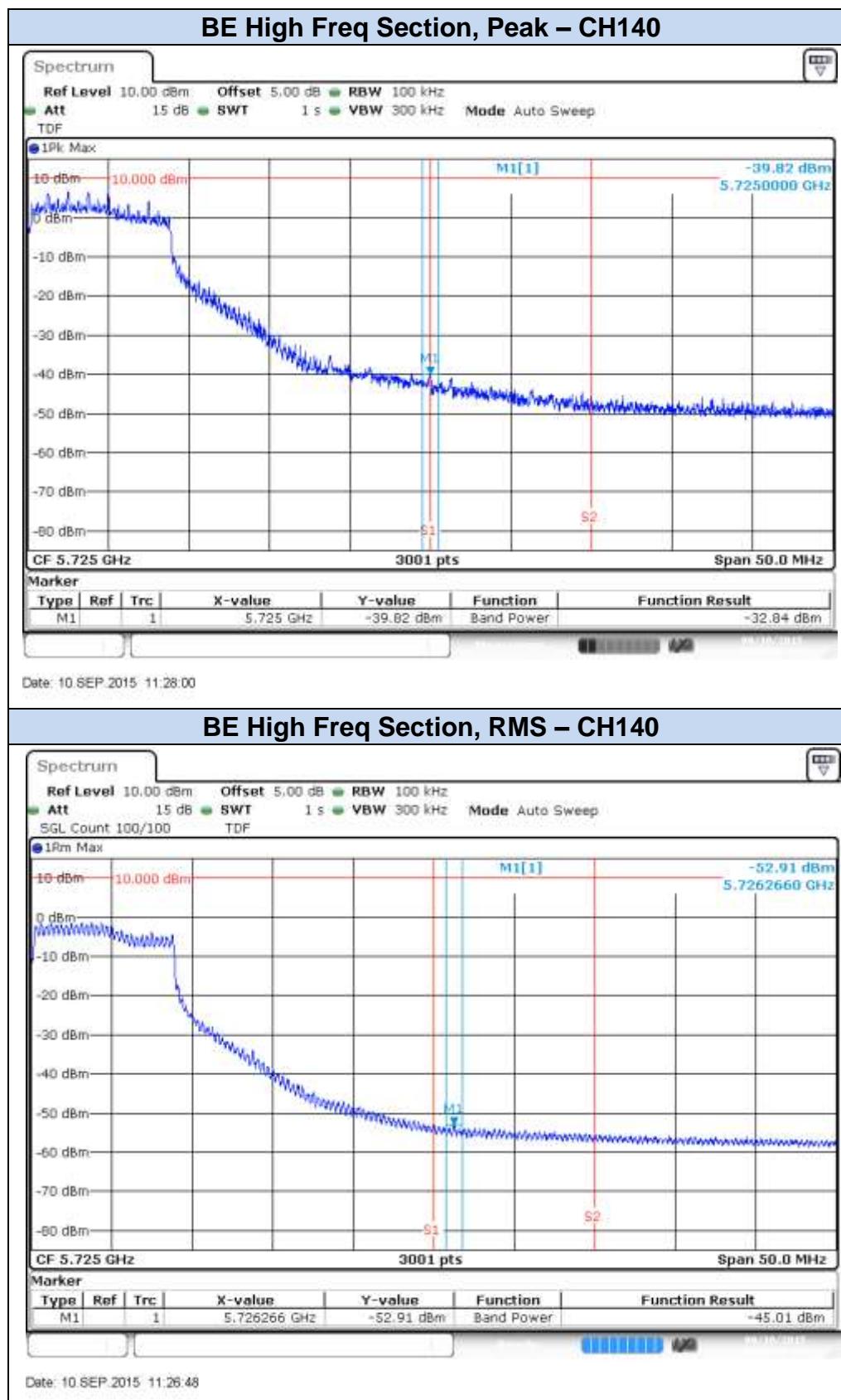
802.11n20, HT8 (MIMO) – Chain A





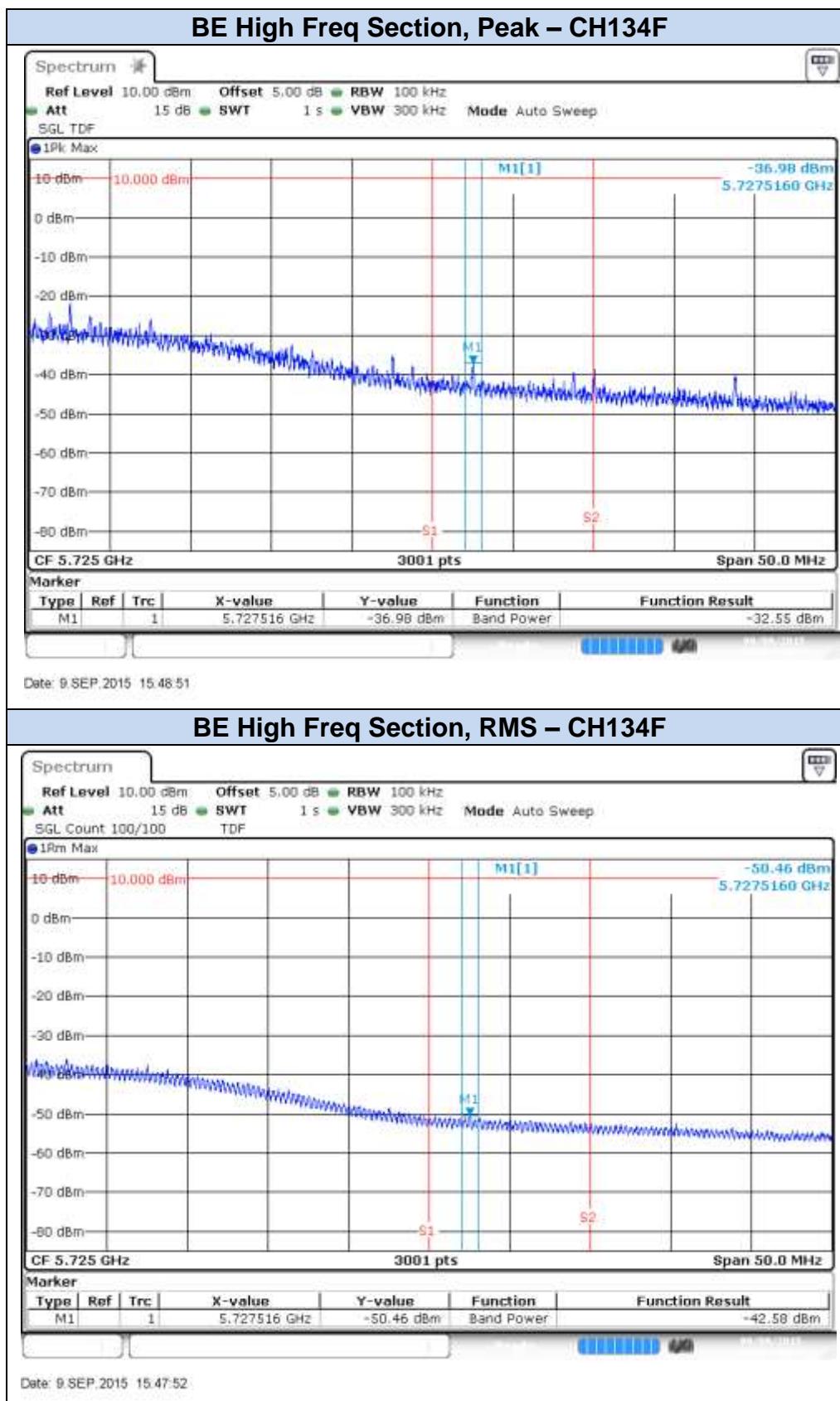
802.11n20, HT8 (MIMO) – Chain B





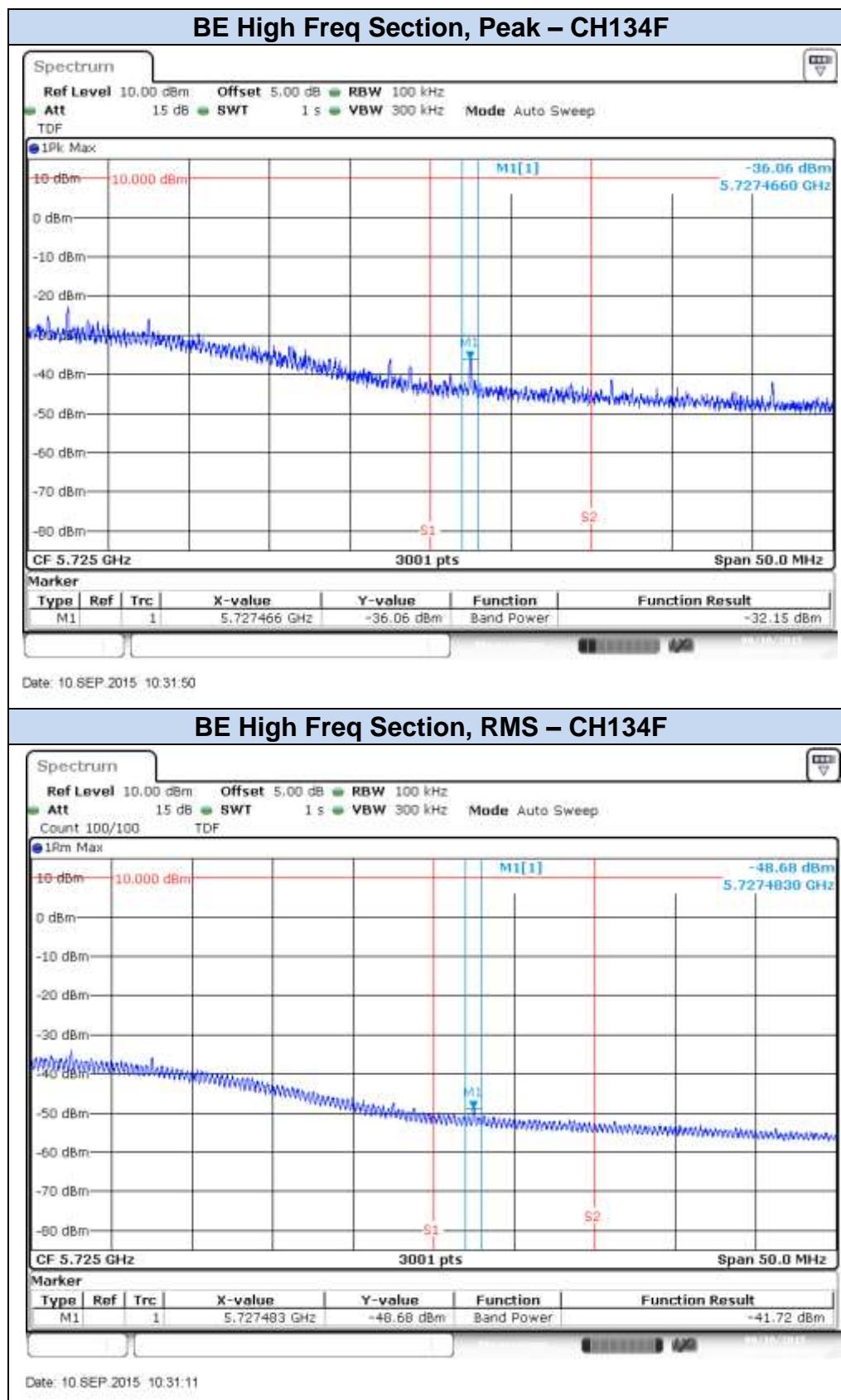
802.11n40, HT0 (SISO) – Chain A



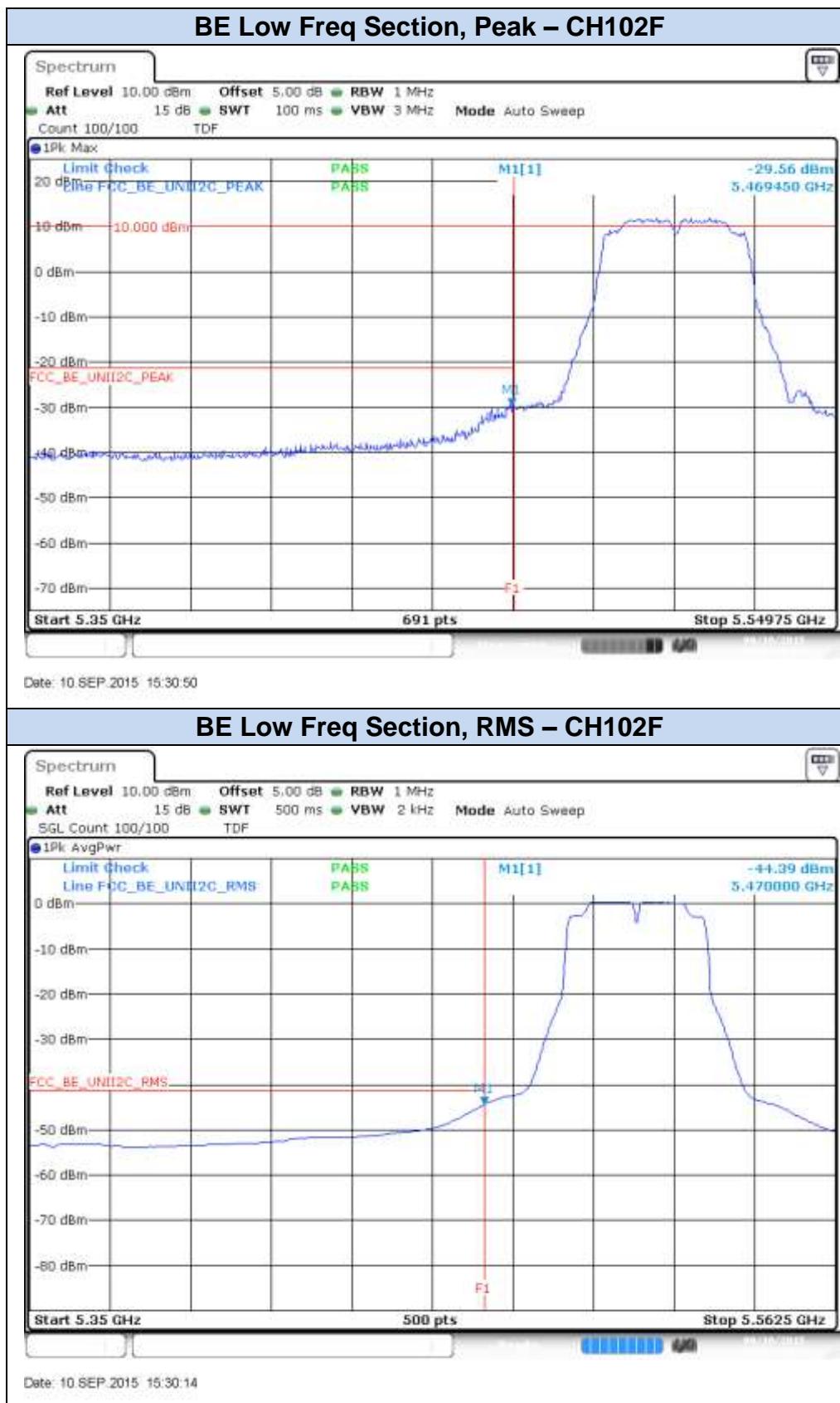


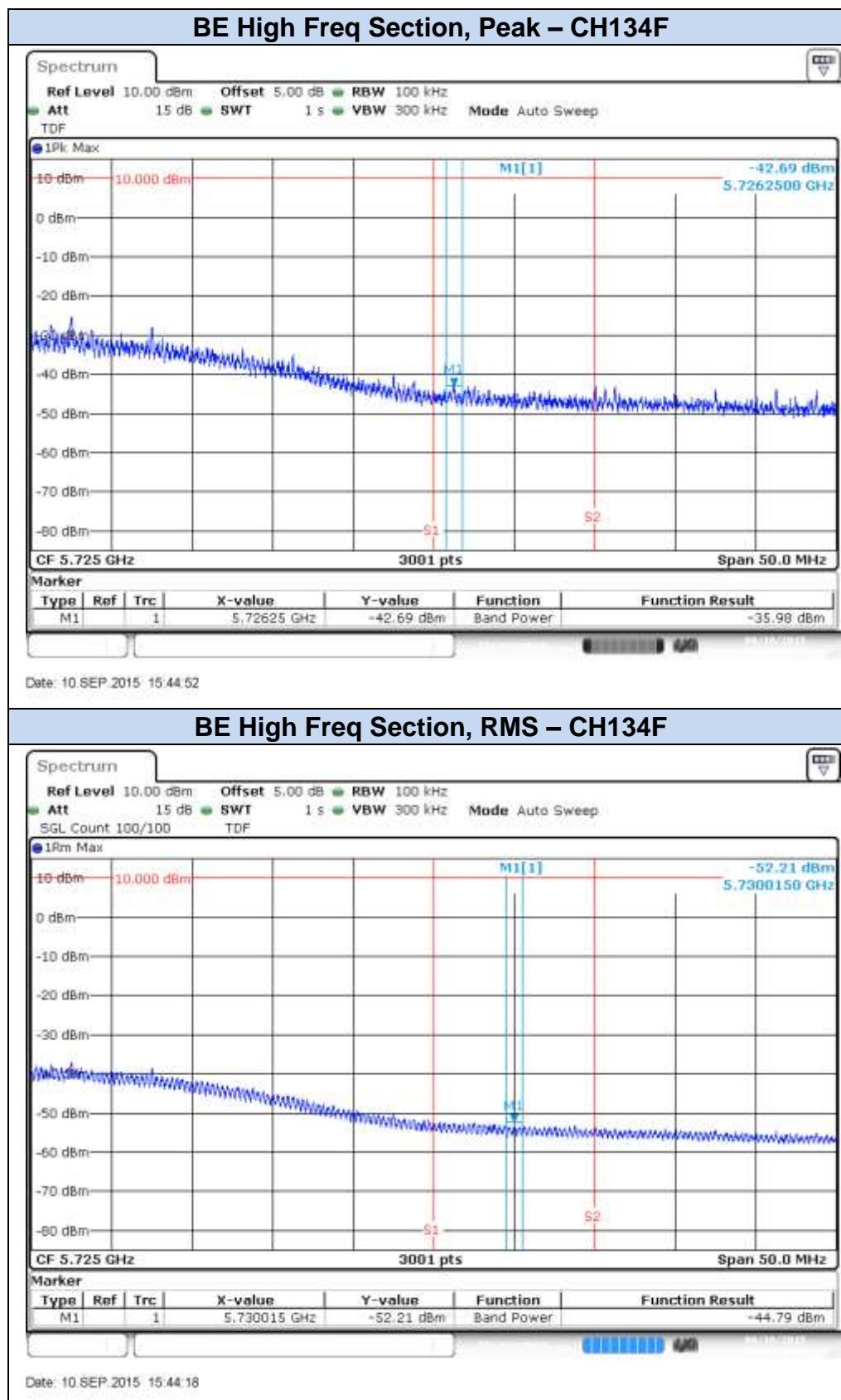
802.11n40, HT0 (SISO) – Chain B





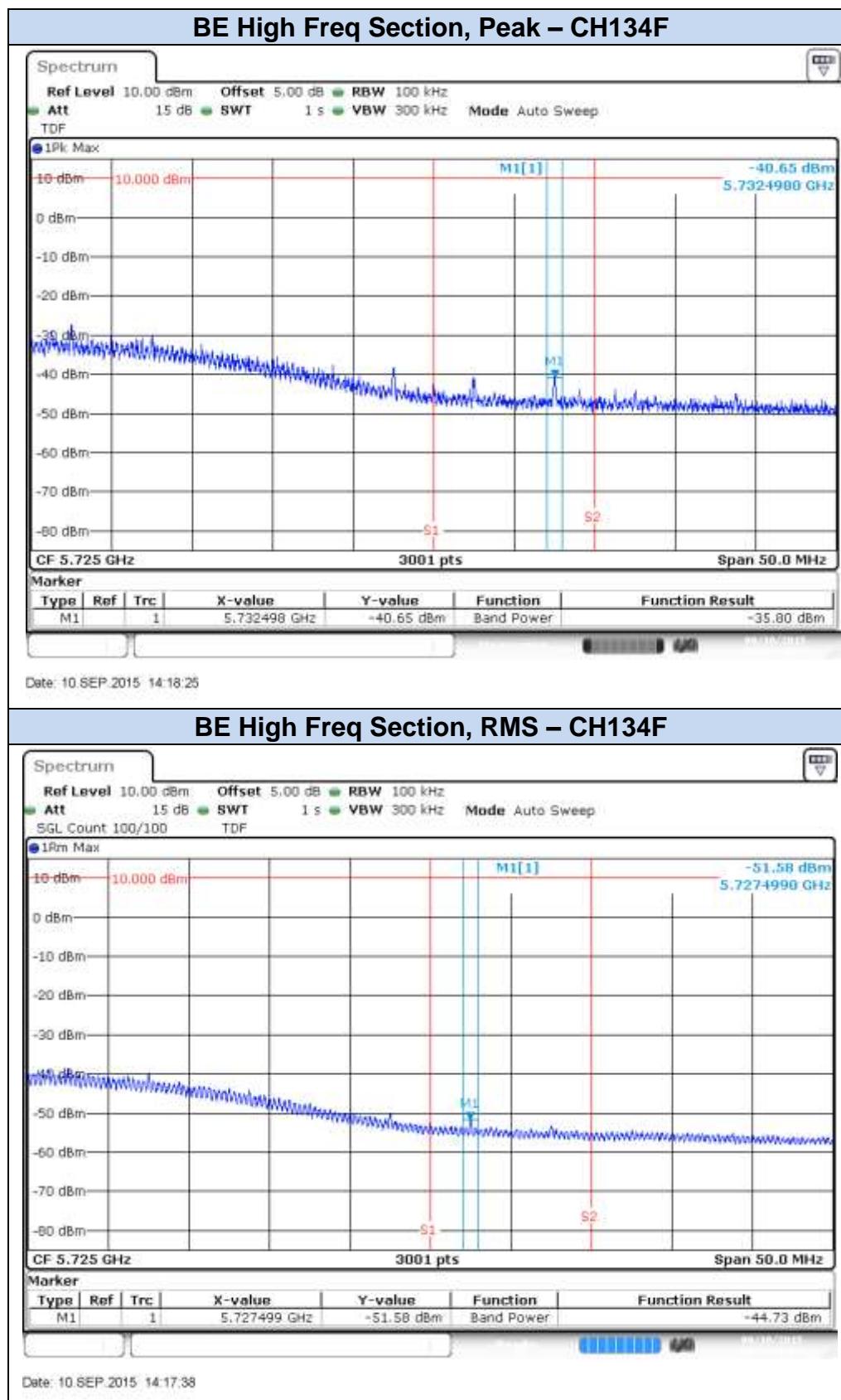
802.11n40, HT8 (MIMO) – Chain A



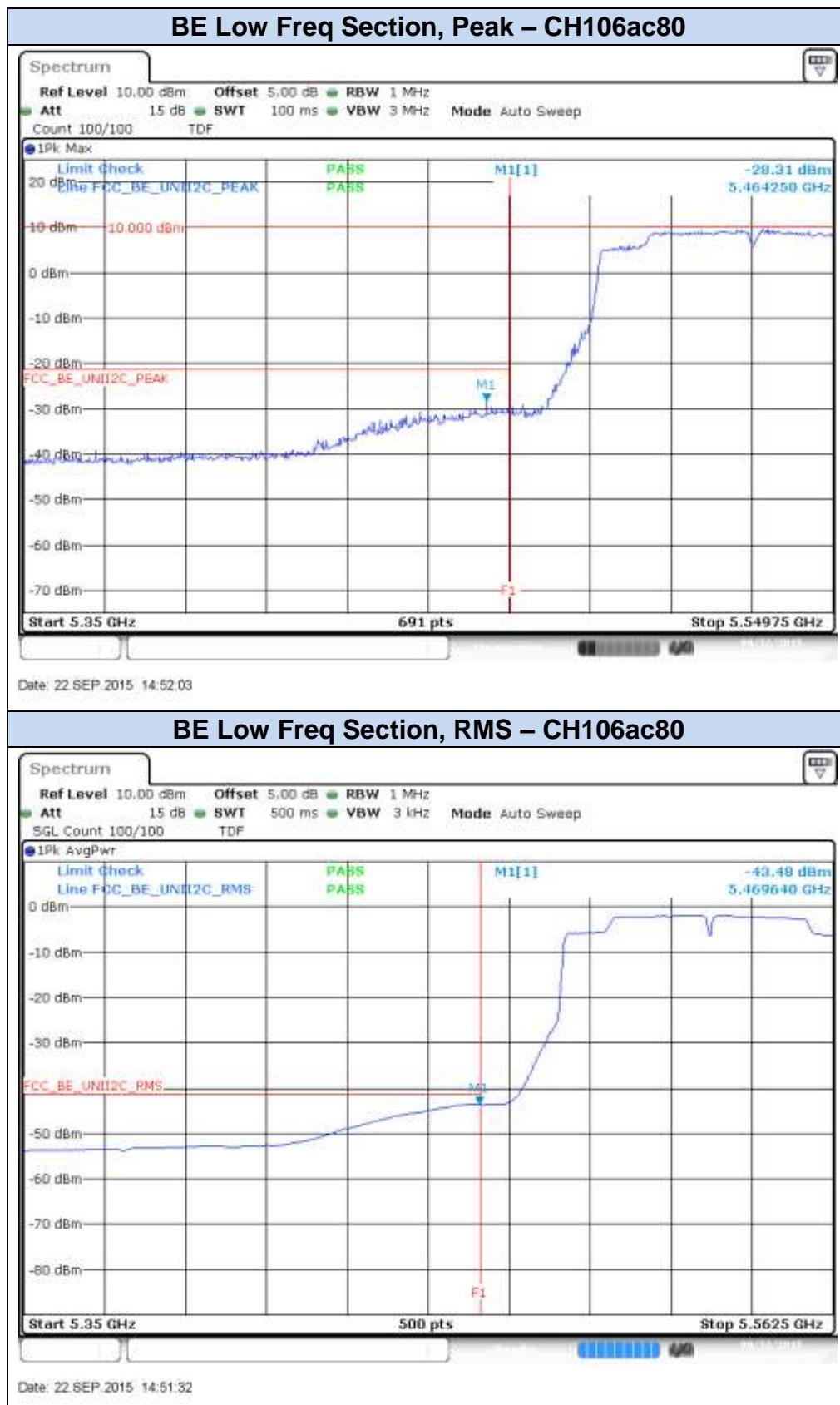


802.11n40, HT8 (MIMO) – Chain B

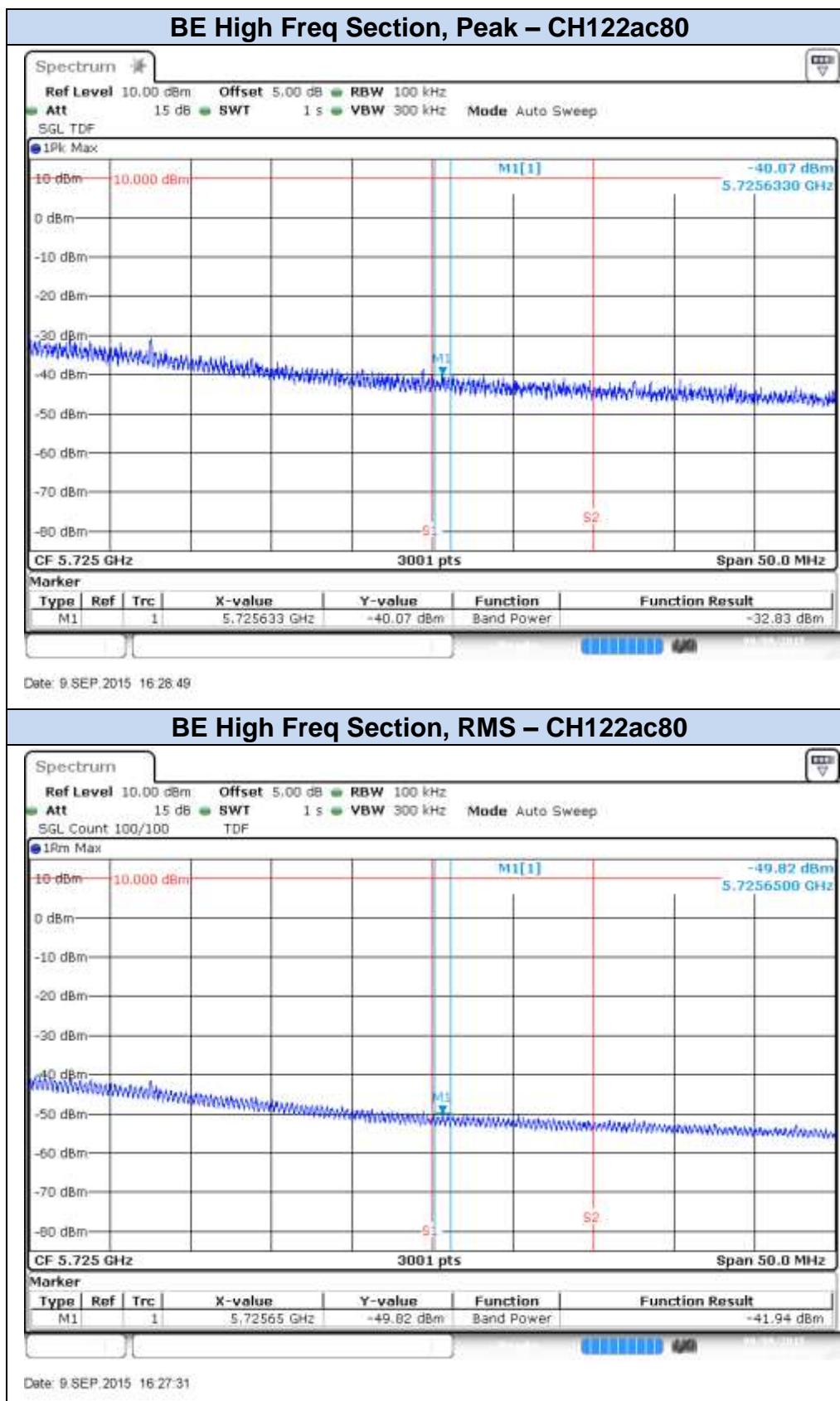




802.11ac80, VHT0 (SISO) – Chain A

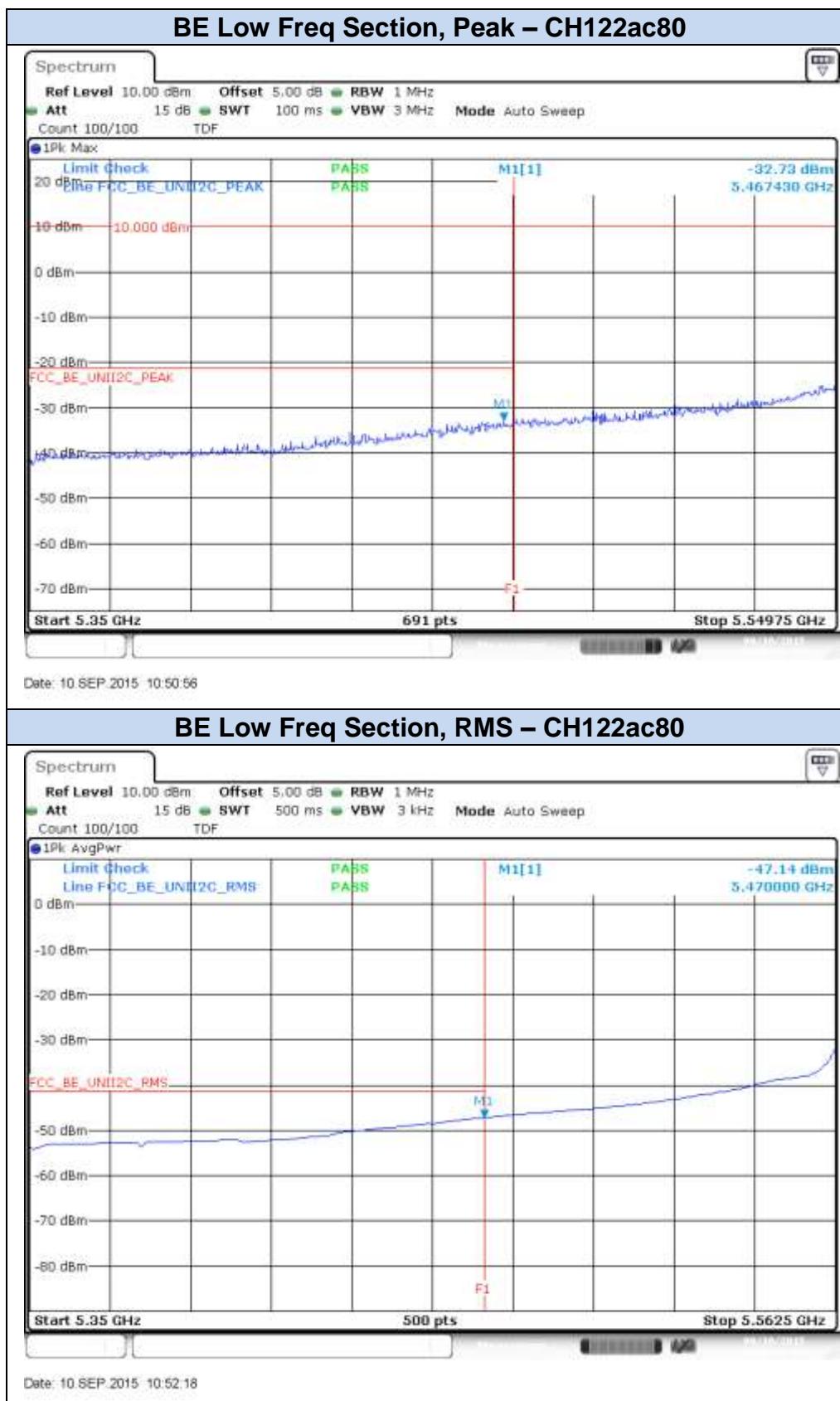


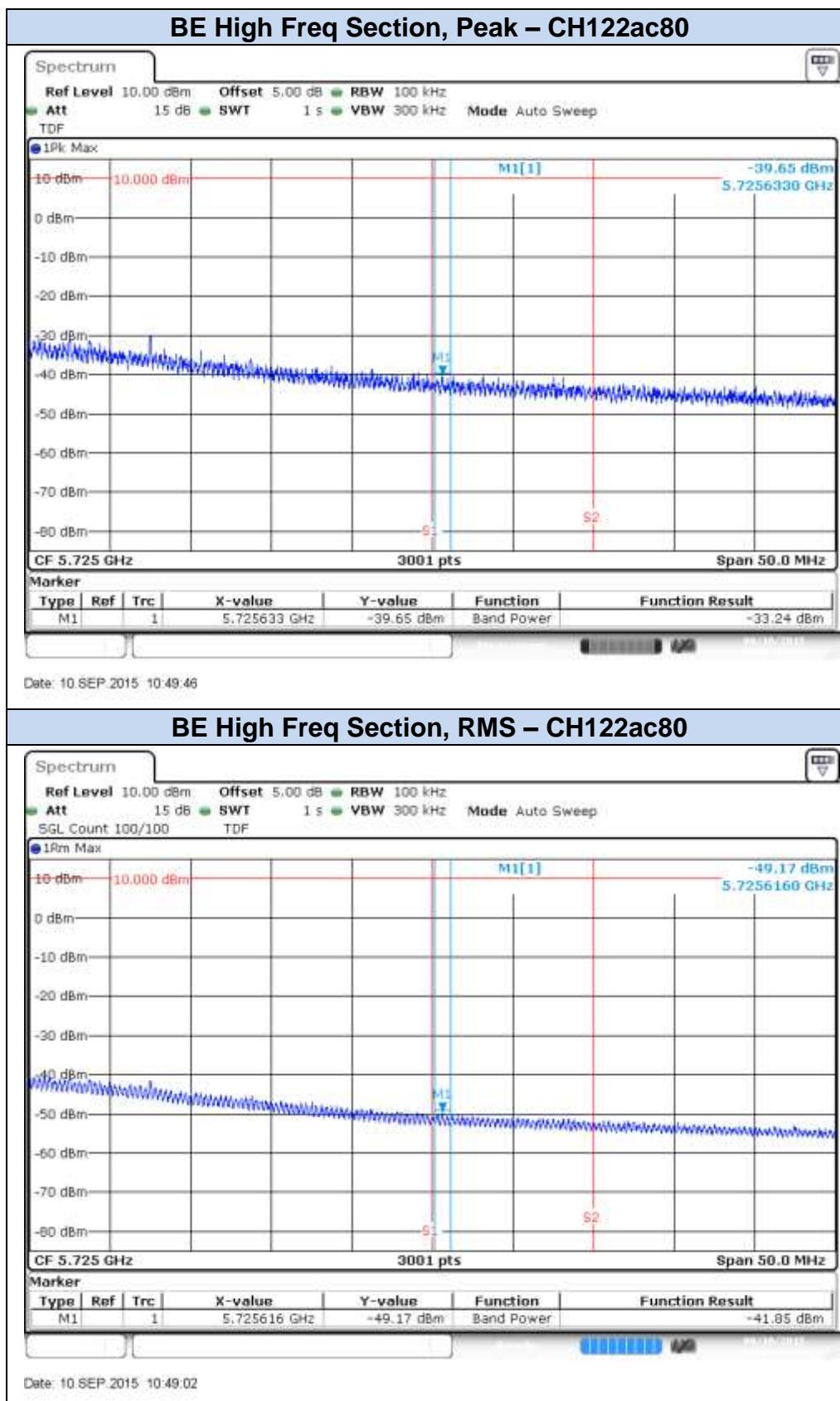




802.11ac80, VHT0 (SISO) – Chain B

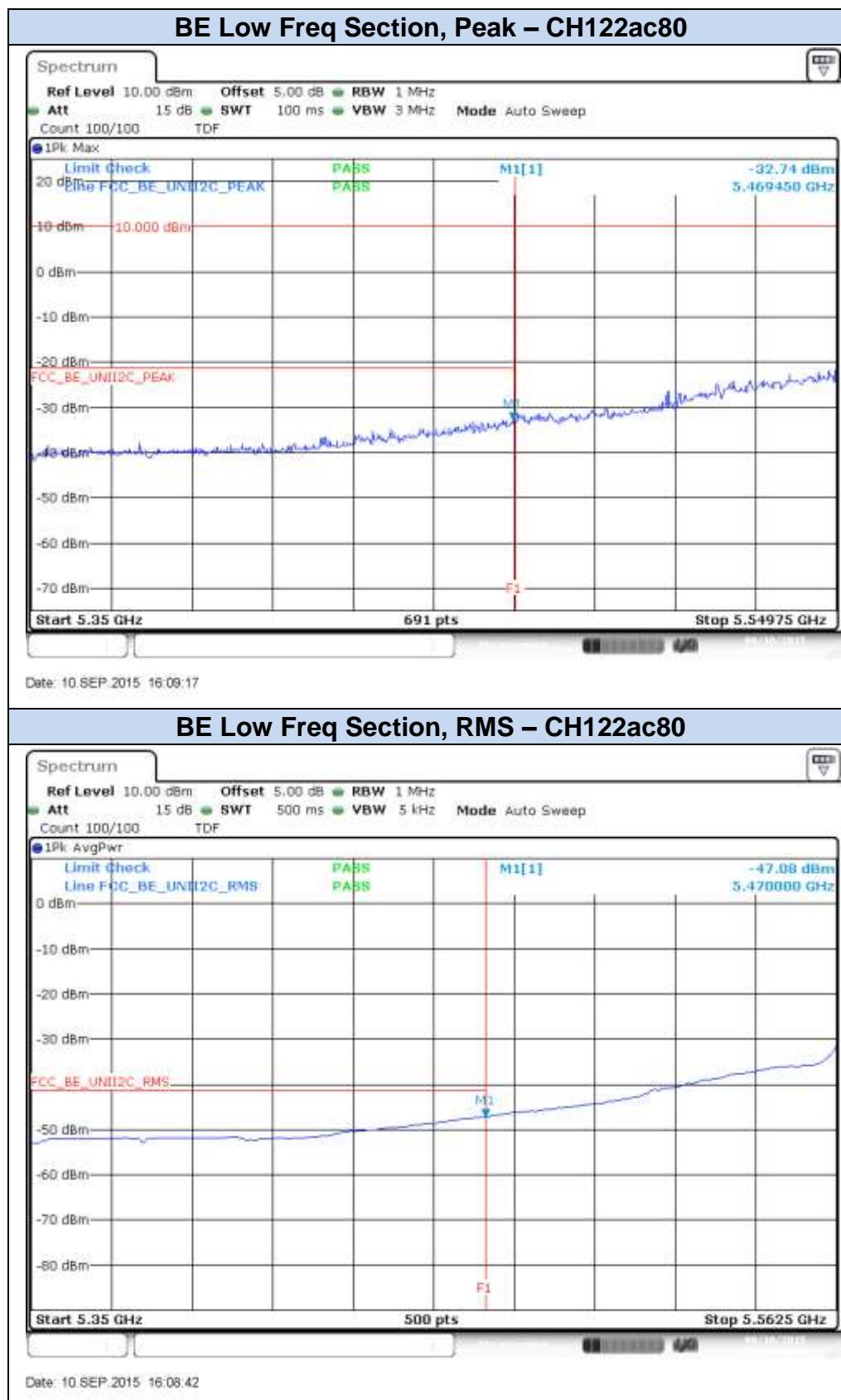


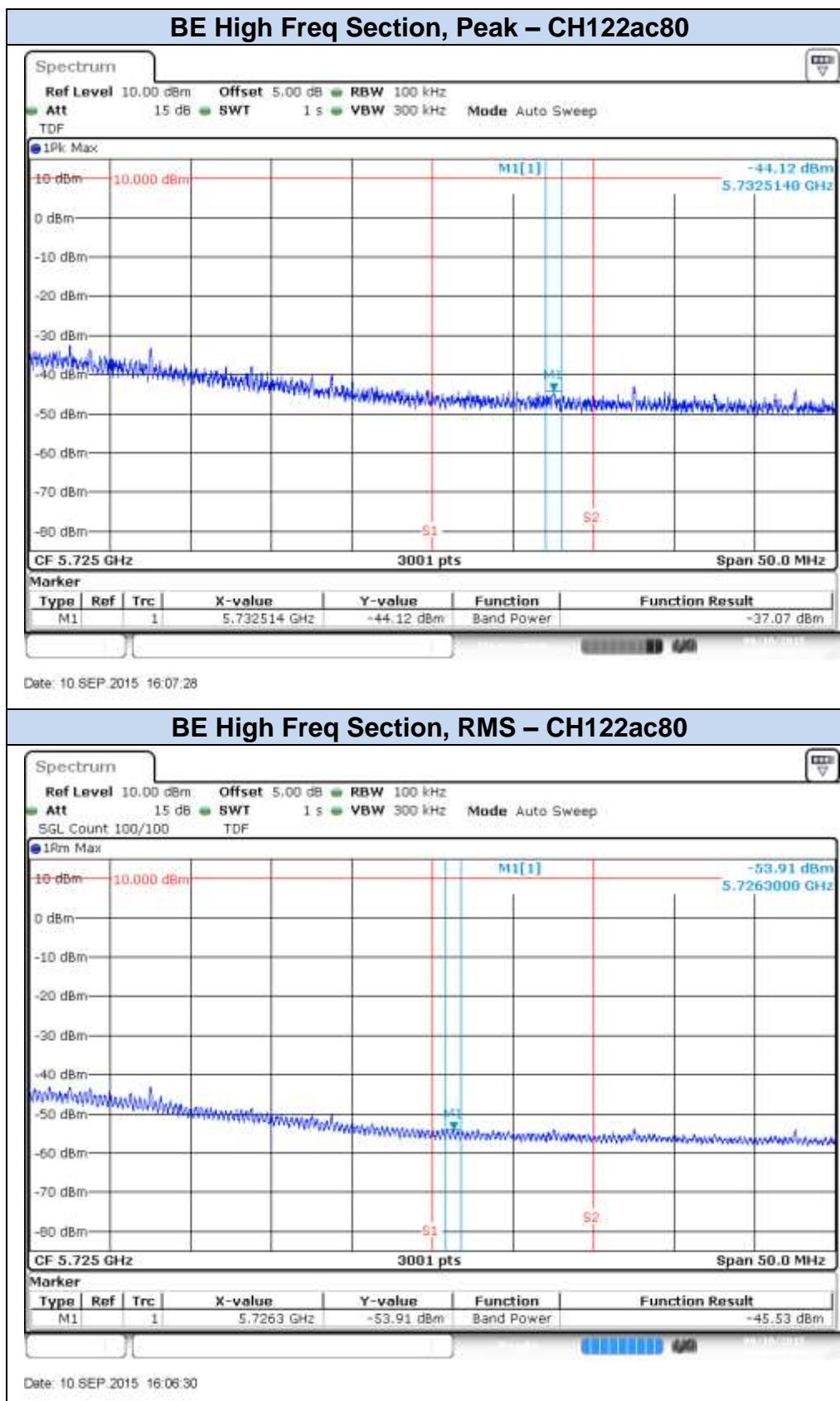




802.11ac80, VHT0 (MIMO)- Chain A

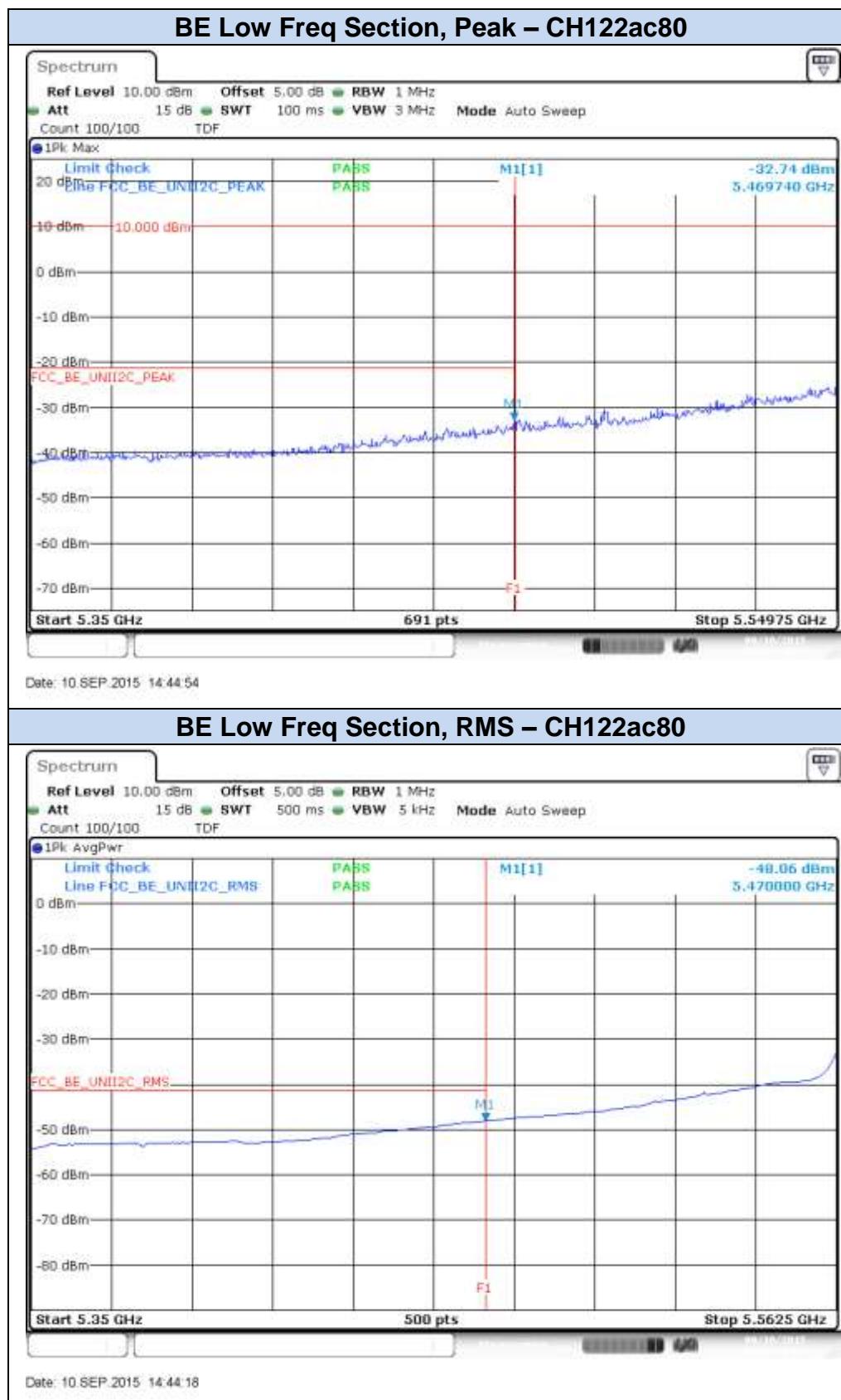


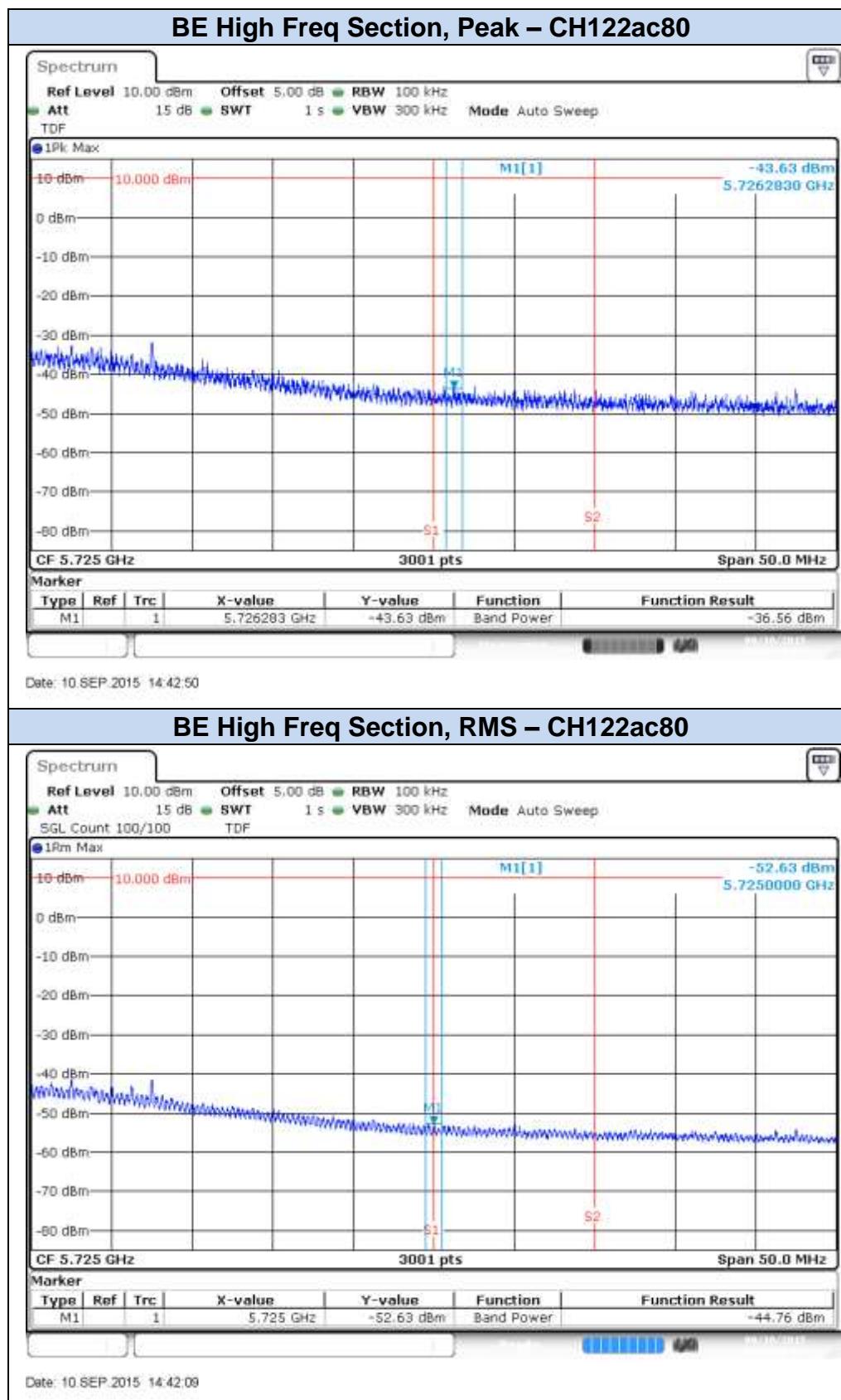




802.11ac80, VHT0 (MIMO)- Chain B







D.4 Radiated spurious emission

Standard references:

| FCC part | RSS part | Limits | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--------------------------|--------------------------------|--|--------------------|-----------------------------|--------------------------------------|--------------------|-------------|-------------|---|-----|-------------|--------------|---|-----|------------|----|---|----|-------|-----|----|---|--------|-----|------|---|---------|-----|----|---|-----------|-----|----|---|
| 15.407 (b) (3) 15.209 | RSS-247 Clause 6.2.3 (2) | <p>Radiated emissions which fall in the restricted bands, as defined in §15.205(a), must also comply with the radiated emission limits specified in §15.209(a):</p> <table border="1"> <thead> <tr> <th>Freq Range (MHz)</th> <th>Field Strength (μV/m)</th> <th>Field Strength ($\text{dB}\mu$V/m)</th> <th>Meas. Distance (m)</th> </tr> </thead> <tbody> <tr> <td>0.009-0.490</td> <td>2400/f(kHz)</td> <td>-</td> <td>300</td> </tr> <tr> <td>0.490-1.705</td> <td>24000/f(kHz)</td> <td>-</td> <td>300</td> </tr> <tr> <td>1.705-30.0</td> <td>30</td> <td>-</td> <td>30</td> </tr> <tr> <td>30-88</td> <td>100</td> <td>40</td> <td>3</td> </tr> <tr> <td>88-216</td> <td>150</td> <td>43.5</td> <td>3</td> </tr> <tr> <td>216-960</td> <td>200</td> <td>46</td> <td>3</td> </tr> <tr> <td>Above 960</td> <td>500</td> <td>54</td> <td>3</td> </tr> </tbody> </table> <p>The emission limits shown in the above table are based on measurements employing CISPR quasi-peak detector except for the frequency bands 9-90 kHz, 110-490 kHz and above 1000 MHz. Radiated emission limits in these three bands are based on measurements employing an average detector. For average radiated emission measurements above 1000 MHz, there is also a limit specified when measuring with peak detector function, corresponding to 20 dB above the indicated values in the table.</p> | Freq Range (MHz) | Field Strength (μ V/m) | Field Strength ($\text{dB}\mu$ V/m) | Meas. Distance (m) | 0.009-0.490 | 2400/f(kHz) | - | 300 | 0.490-1.705 | 24000/f(kHz) | - | 300 | 1.705-30.0 | 30 | - | 30 | 30-88 | 100 | 40 | 3 | 88-216 | 150 | 43.5 | 3 | 216-960 | 200 | 46 | 3 | Above 960 | 500 | 54 | 3 |
| Freq Range (MHz) | Field Strength (μ V/m) | Field Strength ($\text{dB}\mu$ V/m) | Meas. Distance (m) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0.009-0.490 | 2400/f(kHz) | - | 300 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0.490-1.705 | 24000/f(kHz) | - | 300 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1.705-30.0 | 30 | - | 30 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 30-88 | 100 | 40 | 3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 88-216 | 150 | 43.5 | 3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 216-960 | 200 | 46 | 3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Above 960 | 500 | 54 | 3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

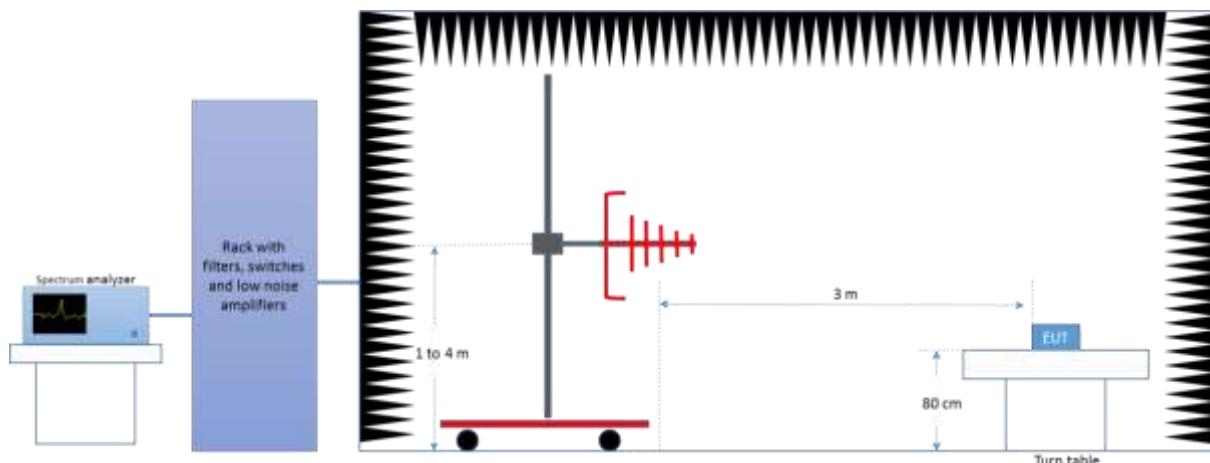
Test procedure:

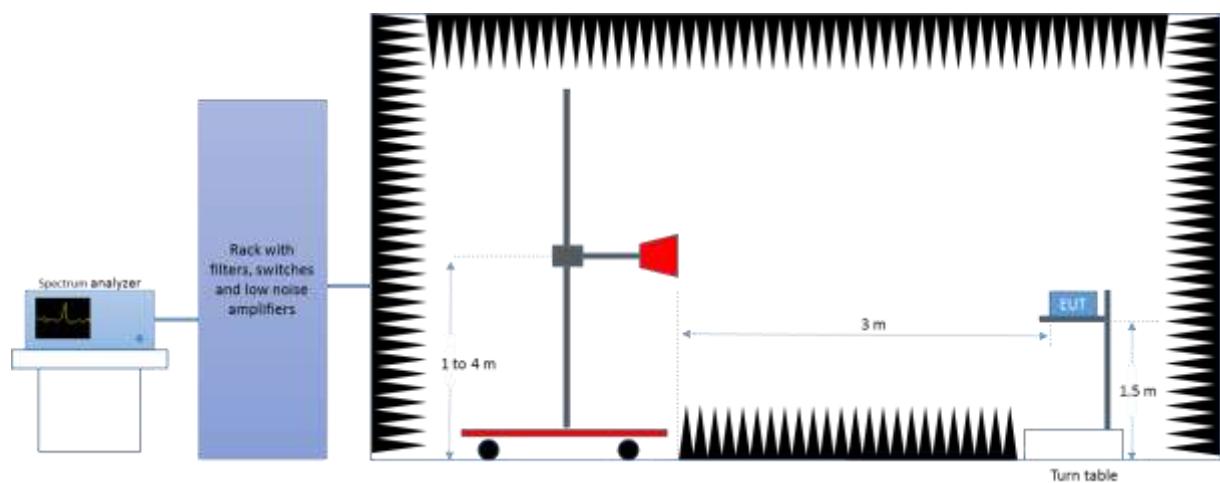
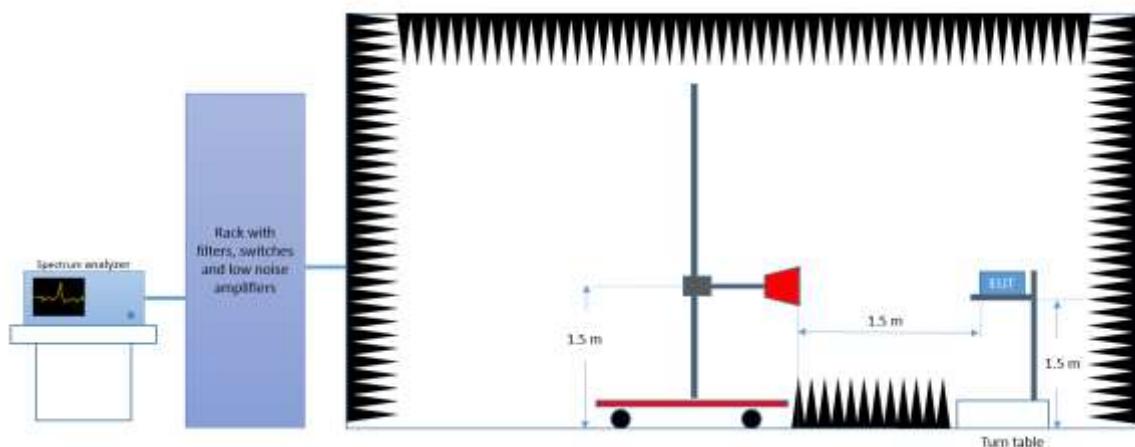
The below setups were used to measure the radiated spurious emissions.

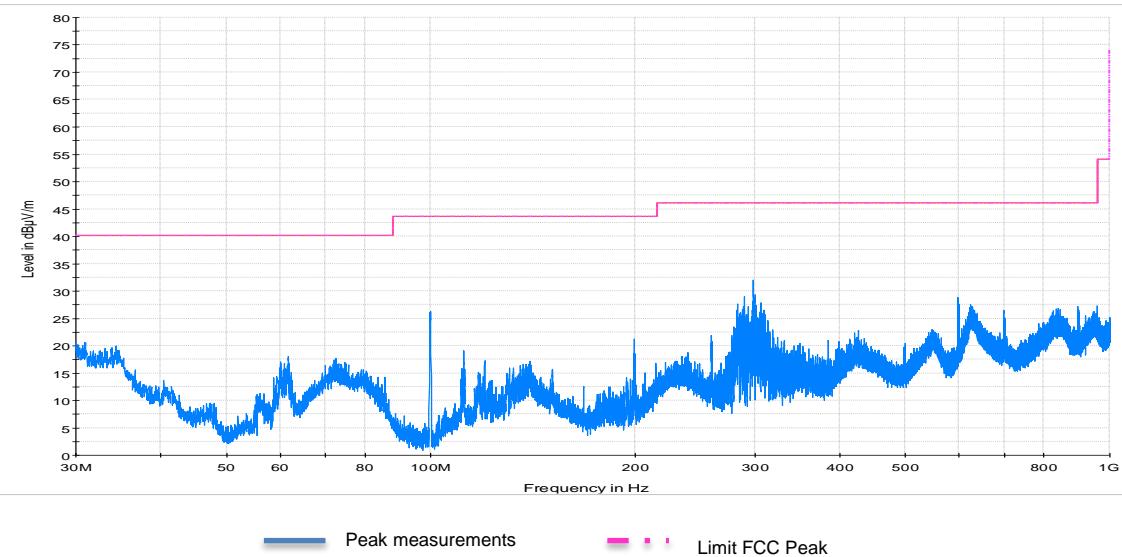
Depending of the frequency range and bands being tested, different antennas and filters were used. The final measurement is done by varying the antenna height from 1 to 4 meters, the EUT azimuth over 360° and for both Vertical and Horizontal polarizations.

The radiated spurious emissions were measured on the worst case configuration selected from the chapter *D.2 Power Limits. Maximum Output power & Peak power spectral density* and using the lowest, middle and highest channels.

Radiated Setup < 1GHz



Radiated Setup 1 GHz - 18 GHz*Radiated Setup > 18 GHz*

Test Results:**Radiated Spurious – 30MHz to 1GHz****All modes**

| Frequency | MaxPeak | Limit | Margin |
|-----------|--------------|--------------|--------|
| MHz | dB μ V/m | dB μ V/m | dB |
| 99 | 25.9 | 43.5 | 17.6 |
| 282 | 28.5 | 46 | 17.5 |
| 625 | 28.0 | 46 | 18.0 |

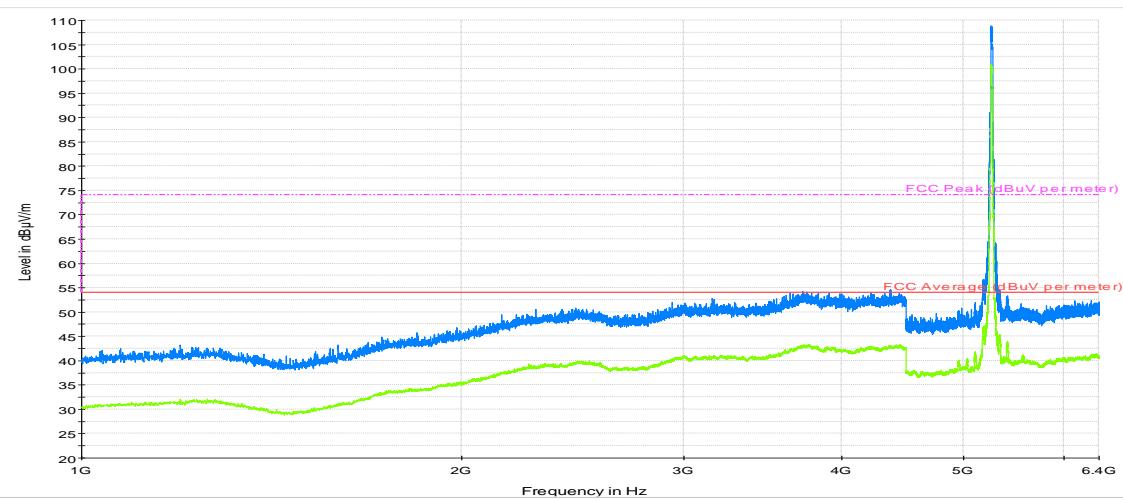
Note 1: The spurious signals detected do not depend on either the operating channel or the modulation mode.

Note 2: No spurious signals were found in all modulations and channels tested.

Note 3: This plot is valid for both SISO and MIMO modes.

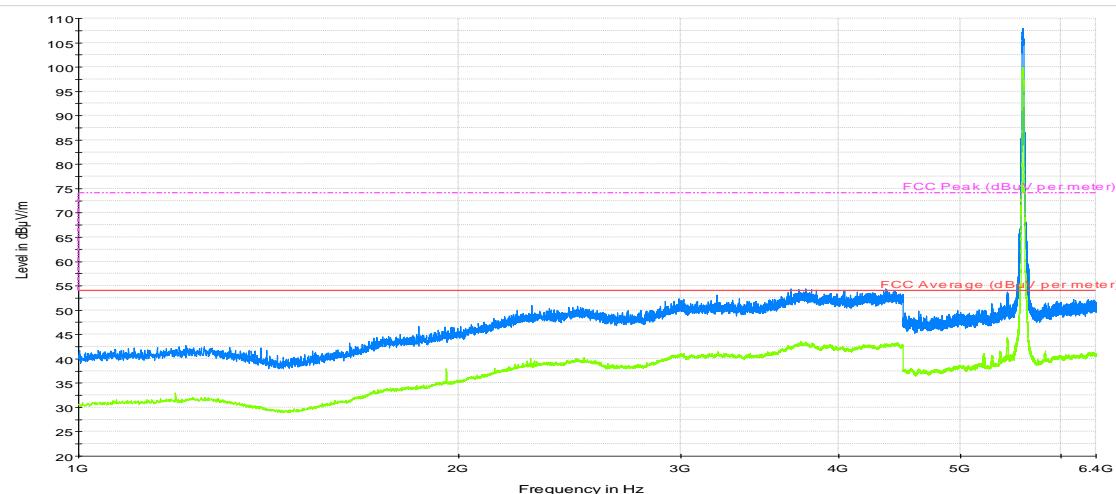
802.11a, 6Mbps, Chain A

Radiated Spurious – 1GHz to 6.4GHz –CH100



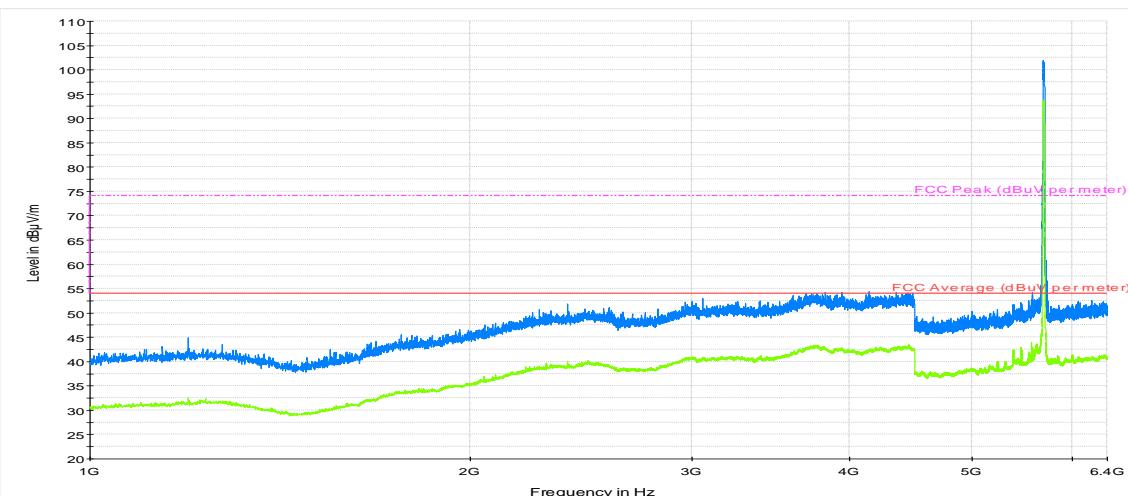
— Peak measurements — AVG measurements — Limit FCC AVG — Limit FCC Peak

| Frequency | MaxPeak | RMS | Limit | Margin |
|-----------|--------------|--------------|--------------|--------|
| MHz | dB μ V/m | dB μ V/m | dB μ V/m | dB |
| 3739 | 54.5 | --- | 74 | 19.5 |
| 3739 | --- | 43.2 | 54 | 10.8 |

Radiated Spurious – 1GHz to 6.4GHz –CH120

— Peak measurements — AVG measurements — Limit FCC AVG — Limit FCC Peak

| Frequency | MaxPeak | RMS | Limit | Margin |
|-----------|--------------|--------------|--------------|--------|
| MHz | dB μ V/m | dB μ V/m | dB μ V/m | dB |
| 3763 | 54.3 | --- | 74 | 19.7 |
| 3763 | --- | 42.8 | 54 | 11.2 |

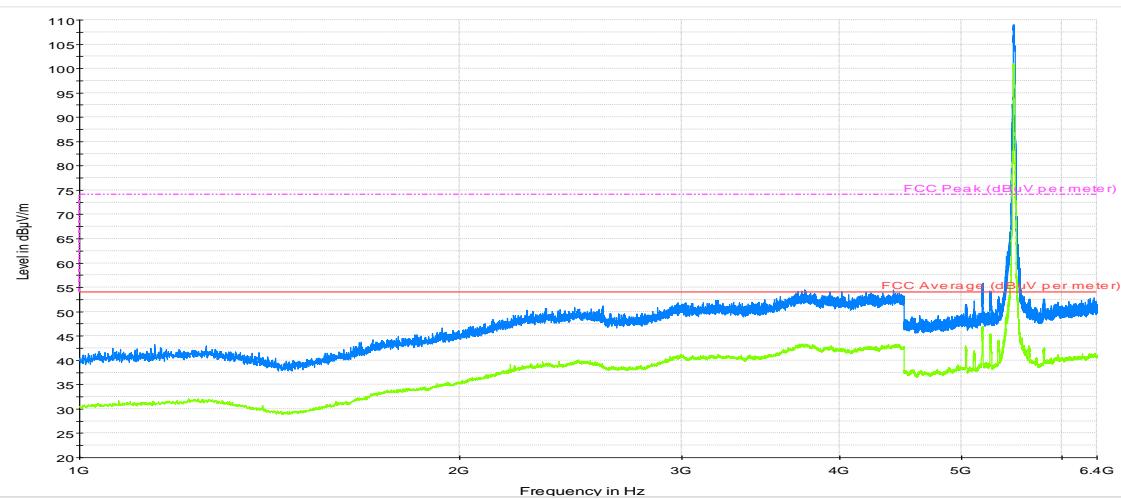
Radiated Spurious – 1GHz to 6.4GHz –CH140

— Peak measurements — AVG measurements — Limit FCC AVG — Limit FCC Peak

| Frequency | MaxPeak | RMS | Limit | Margin |
|-----------|--------------|--------------|--------------|--------|
| MHz | dB μ V/m | dB μ V/m | dB μ V/m | dB |
| 4467 | 54.1 | --- | 74 | 19.9 |
| 4467 | --- | 43.1 | 54 | 10.9 |

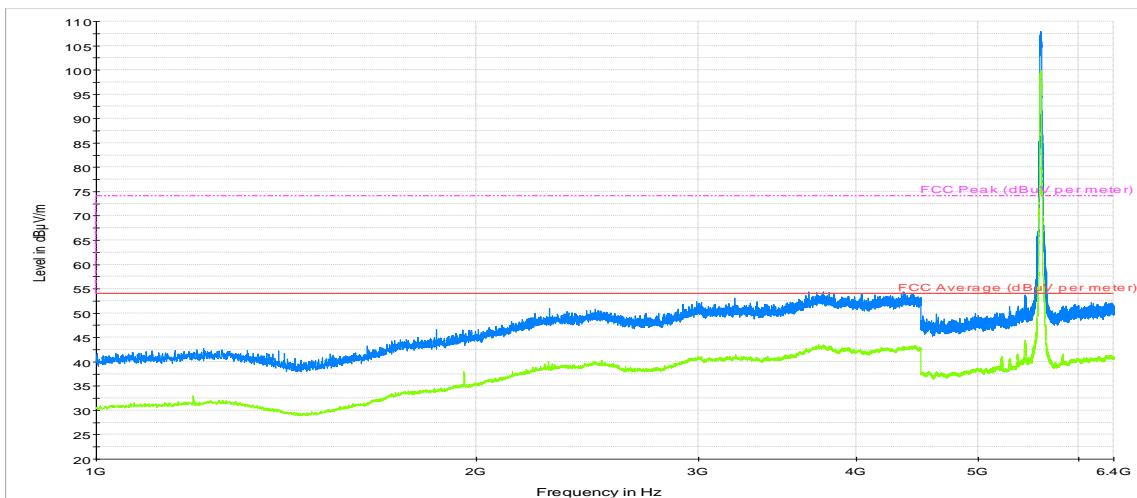
802.11a, 6Mbps, Chain B

Radiated Spurious – 1GHz to 6.4GHz –CH 100



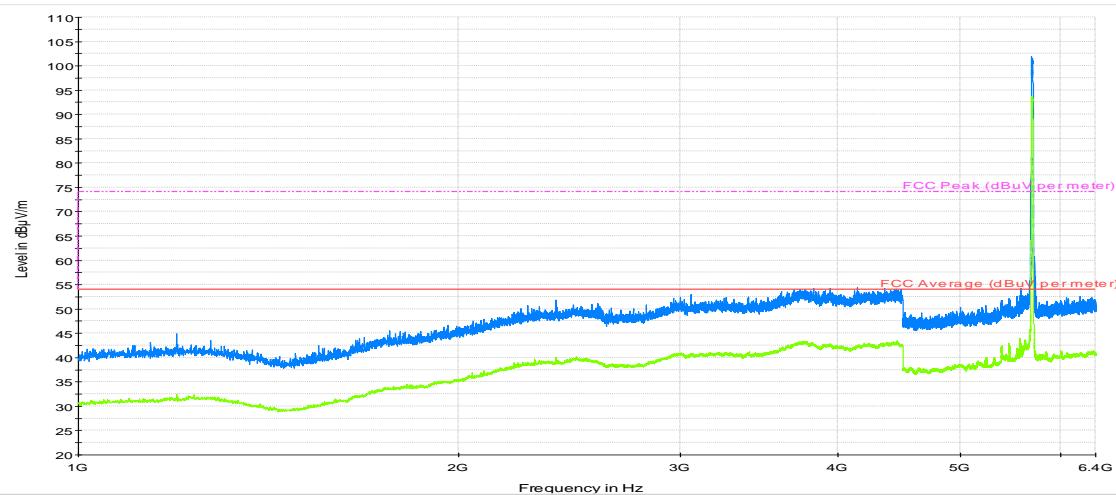
— Peak measurements — AVG measurements — Limit FCC AVG - - - Limit FCC Peak

| Frequency | MaxPeak | RMS | Limit | Margin |
|-----------|--------------|--------------|--------------|--------|
| MHz | dB μ V/m | dB μ V/m | dB μ V/m | dB |
| 3773 | 54.0 | --- | 74 | 20.0 |
| 3773 | --- | 43.3 | 54 | 10.7 |

Radiated Spurious – 1GHz to 6.4GHz –CH120

— Peak measurements — AVG measurements — Limit FCC AVG - - - Limit FCC Peak

| Frequency | MaxPeak | RMS | Limit | Margin |
|-----------|--------------|--------------|--------------|--------|
| MHz | dB μ V/m | dB μ V/m | dB μ V/m | dB |
| 4409 | 53.5 | --- | 74 | 20.5 |
| 4409 | --- | 43.3 | 54 | 10.7 |

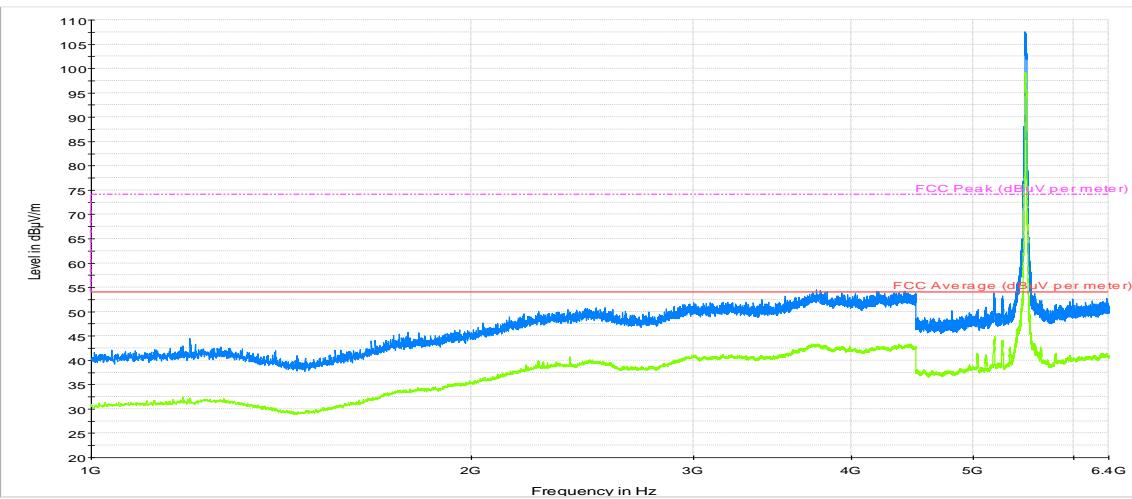
Radiated Spurious – 1GHz to 6.4GHz –CH140

— Peak measurements — AVG measurements — Limit FCC AVG - - - Limit FCC Peak

| Frequency | MaxPeak | RMS | Limit | Margin |
|-----------|--------------|--------------|--------------|--------|
| MHz | dB μ V/m | dB μ V/m | dB μ V/m | dB |
| 4443 | 53.8 | --- | 74 | 20.2 |
| 4443 | --- | 43.1 | 54 | 10.9 |

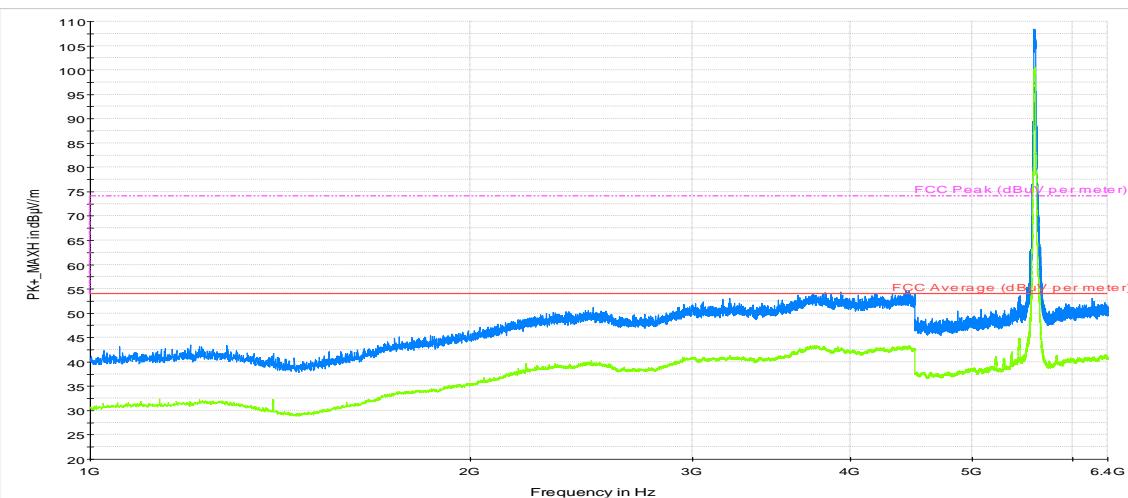
802.11n20, HT0 (SISO), Chain A

Radiated Spurious – 1GHz to 6.4GHz –CH100



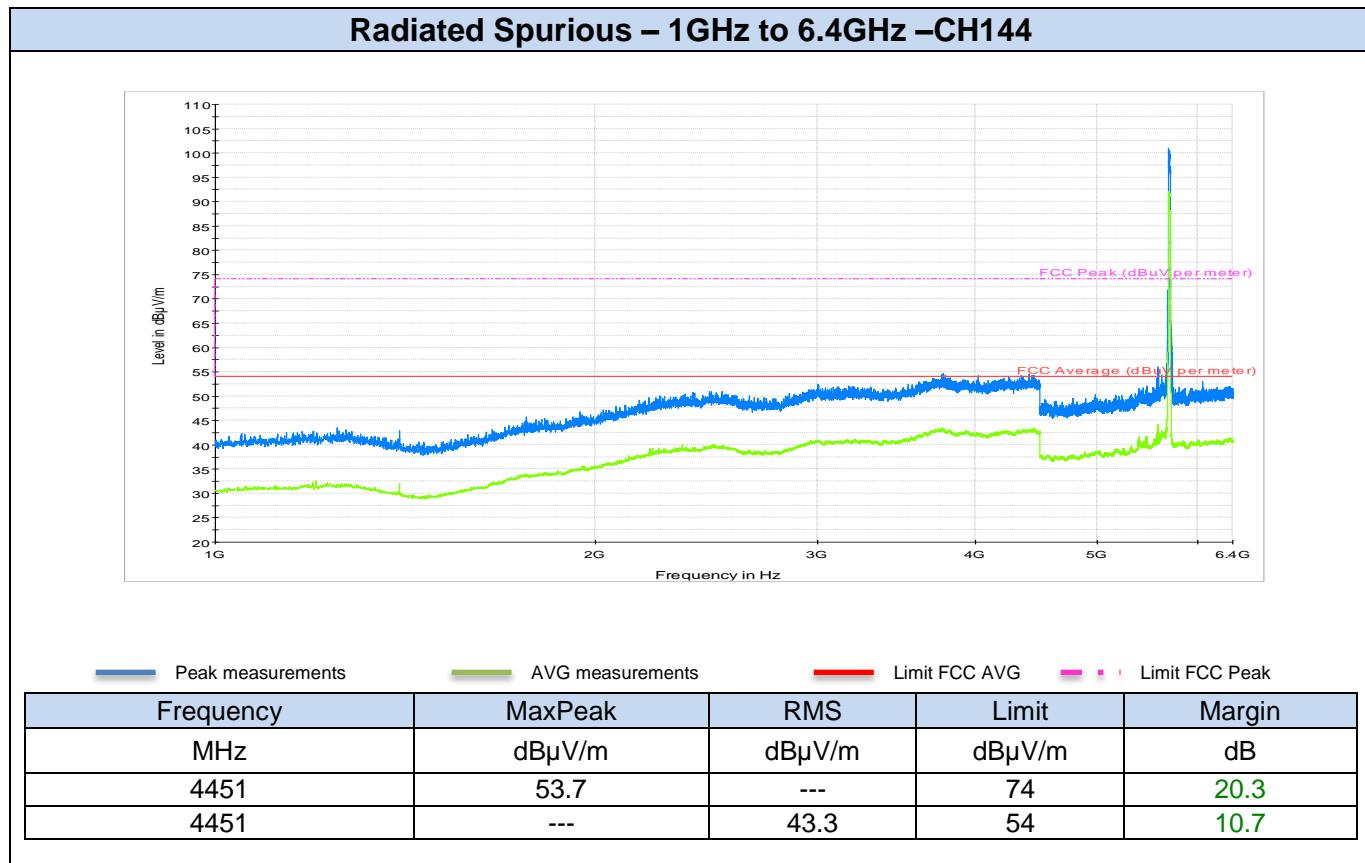
— Peak measurements — AVG measurements — Limit FCC AVG - - - Limit FCC Peak

| Frequency | MaxPeak | RMS | Limit | Margin |
|-----------|--------------|--------------|--------------|--------|
| MHz | dB μ V/m | dB μ V/m | dB μ V/m | dB |
| 4455 | 53.5 | --- | 74 | 20.5 |
| 4455 | --- | 43.3 | 54 | 10.7 |

Radiated Spurious – 1GHz to 6.4GHz –CH120

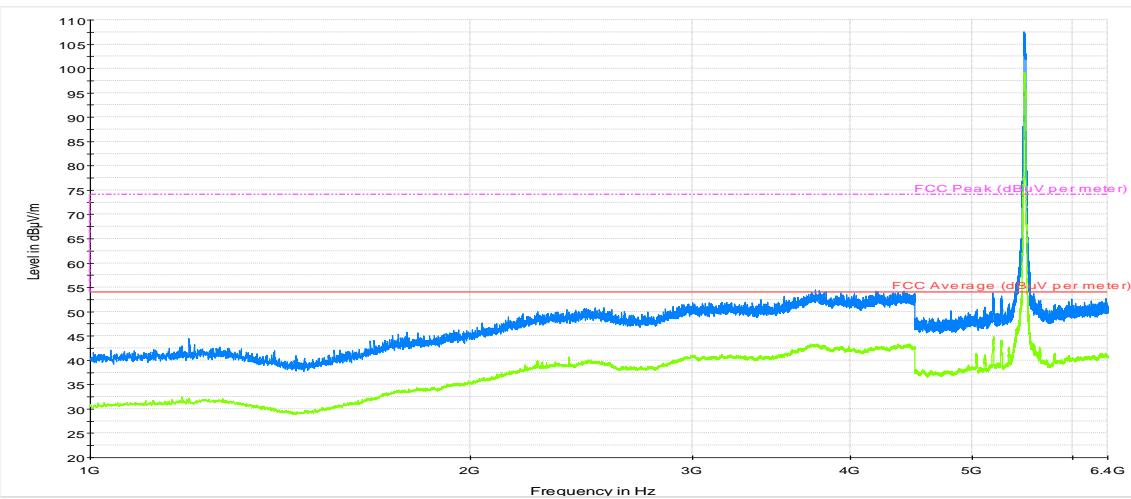
— Peak measurements — AVG measurements — Limit FCC AVG - - - Limit FCC Peak

| Frequency | MaxPeak | RMS | Limit | Margin |
|-----------|--------------|--------------|--------------|--------|
| MHz | dB μ V/m | dB μ V/m | dB μ V/m | dB |
| 4450 | 54.6 | --- | 74 | 19.4 |
| 4450 | --- | 43.4 | 54 | 10.6 |



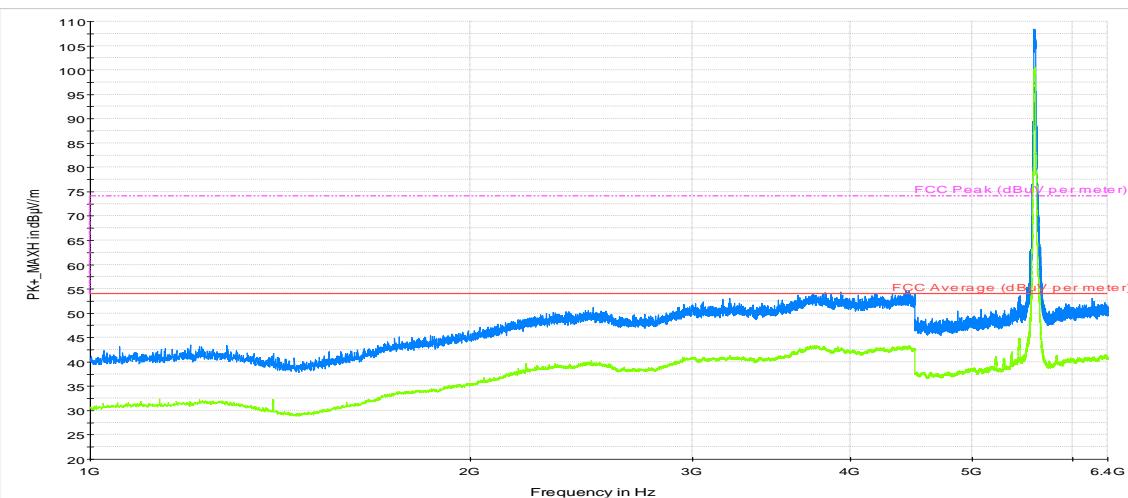
802.11n20, HT0 (SISO), Chain B

Radiated Spurious – 1GHz to 6.4GHz –CH100



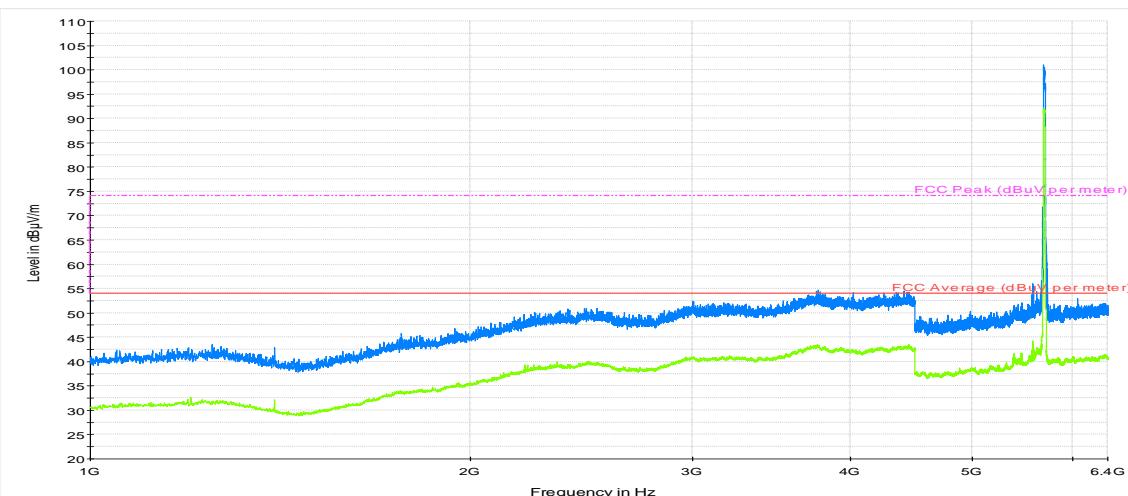
— Peak measurements — AVG measurements — Limit FCC AVG - - - Limit FCC Peak

| Frequency | MaxPeak | RMS | Limit | Margin |
|-----------|--------------|--------------|--------------|--------|
| MHz | dB μ V/m | dB μ V/m | dB μ V/m | dB |
| 4450 | 53.8 | --- | 74 | 20.2 |
| 4450 | --- | 43.1 | 54 | 10.9 |

Radiated Spurious – 1GHz to 6.4GHz –CH120

— Peak measurements — AVG measurements — Limit FCC AVG - - - Limit FCC Peak

| Frequency | MaxPeak | RMS | Limit | Margin |
|-----------|--------------|--------------|--------------|--------|
| MHz | dB μ V/m | dB μ V/m | dB μ V/m | dB |
| 4427 | 54.3 | --- | 74 | 19.7 |
| 4427 | --- | 43.0 | 54 | 11.0 |

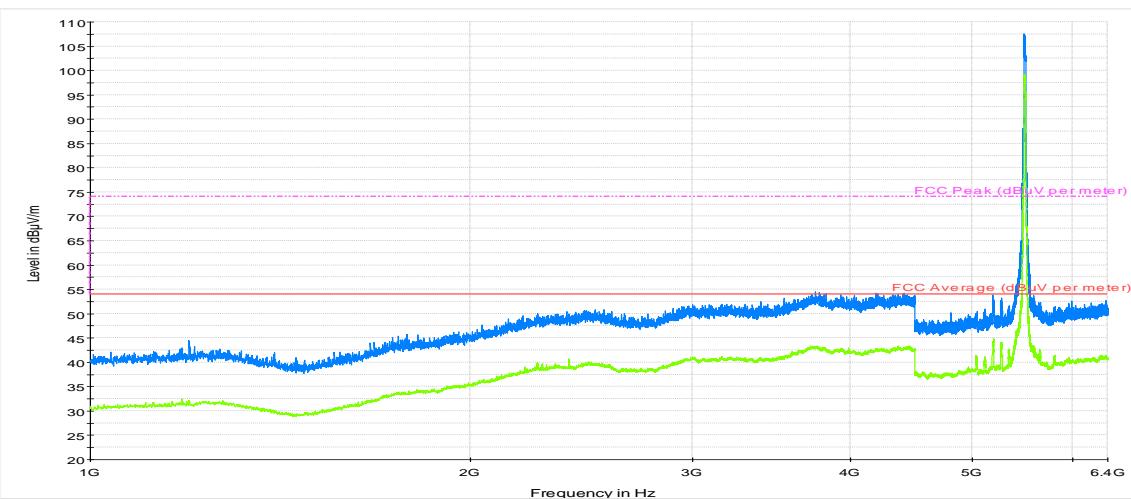
Radiated Spurious – 1GHz to 6.4GHz –CH144

Frequency MHz MaxPeak dB μ V/m RMS dB μ V/m Limit dB μ V/m Margin dB

| Frequency | MaxPeak | RMS | Limit | Margin |
|-----------|--------------|--------------|--------------|--------|
| MHz | dB μ V/m | dB μ V/m | dB μ V/m | dB |
| 4448 | 54.2 | --- | 74 | 19.8 |
| 4448 | --- | 43.3 | 54 | 10.7 |

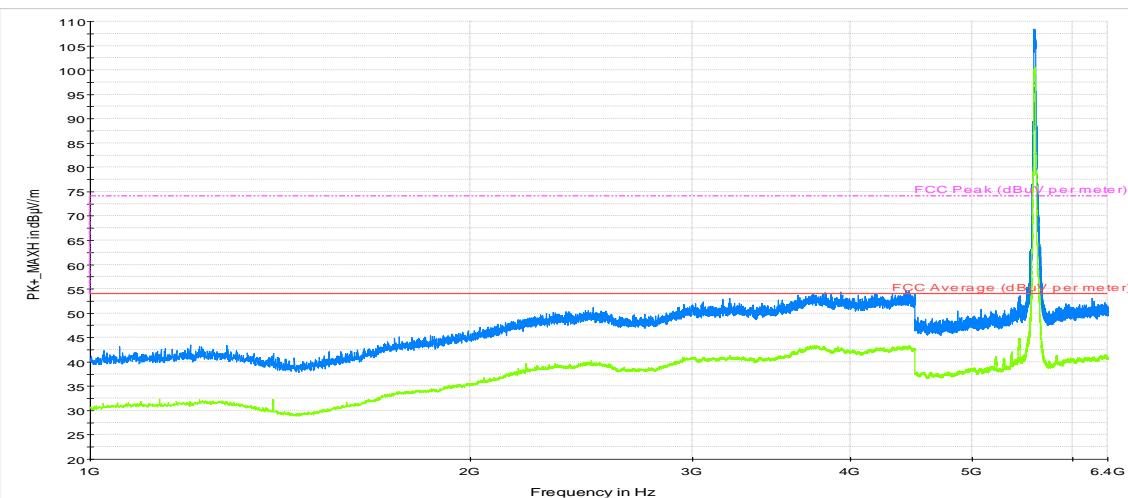
802.11n20, HT8 (MIMO), Chain A+B

Radiated Spurious – 1GHz to 6.4GHz –CH100

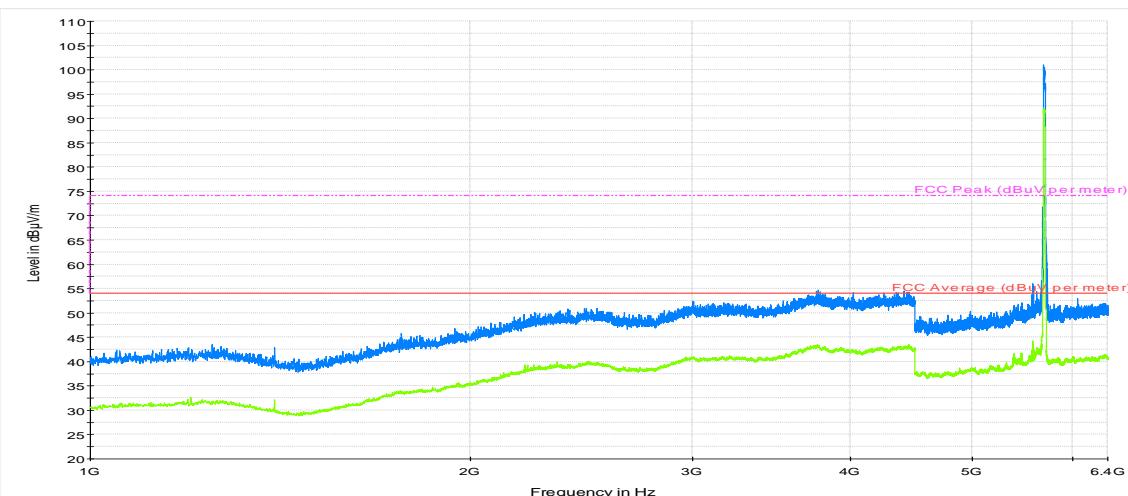


— Peak measurements — AVG measurements — Limit FCC AVG - - - Limit FCC Peak

| Frequency | MaxPeak | RMS | Limit | Margin |
|-----------|--------------|--------------|--------------|--------|
| MHz | dB μ V/m | dB μ V/m | dB μ V/m | dB |
| 4460 | 54.4 | --- | 74 | 19.6 |
| 4460 | --- | 43.2 | 54 | 10.8 |

Radiated Spurious – 1GHz to 6.4GHz –CH120

| Frequency | MaxPeak | RMS | Limit | Margin |
|-----------|--------------|--------------|--------------|--------|
| MHz | dB μ V/m | dB μ V/m | dB μ V/m | dB |
| 4446 | 54.0 | --- | 74 | 20.0 |
| 4446 | --- | 43.1 | 54 | 10.9 |

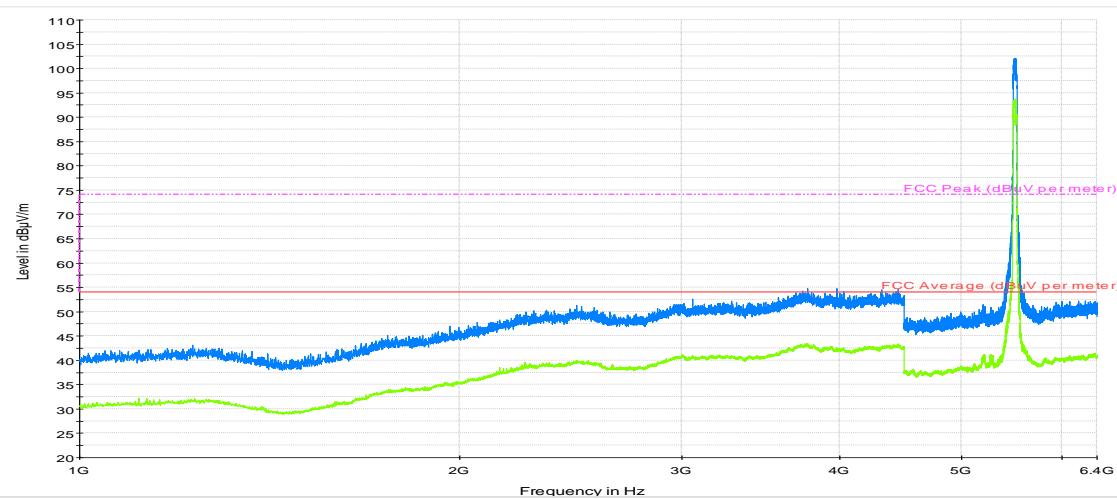
Radiated Spurious – 1GHz to 6.4GHz –CH144

— Peak measurements — AVG measurements — Limit FCC AVG - - - Limit FCC Peak

| Frequency | MaxPeak | RMS | Limit | Margin |
|-----------|--------------|--------------|--------------|--------|
| MHz | dB μ V/m | dB μ V/m | dB μ V/m | dB |
| 4421 | 54.2 | --- | 74 | 19.8 |
| 4421 | --- | 43.1 | 54 | 10.9 |

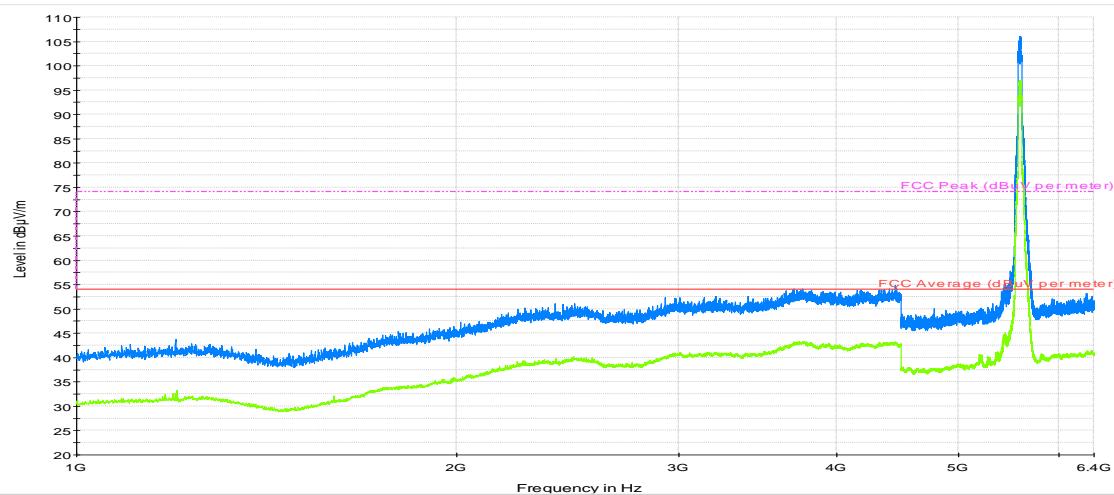
802.11n40, HT0 (SISO), Chain A

Radiated Spurious – 1GHz to 6.4GHz –CH102F



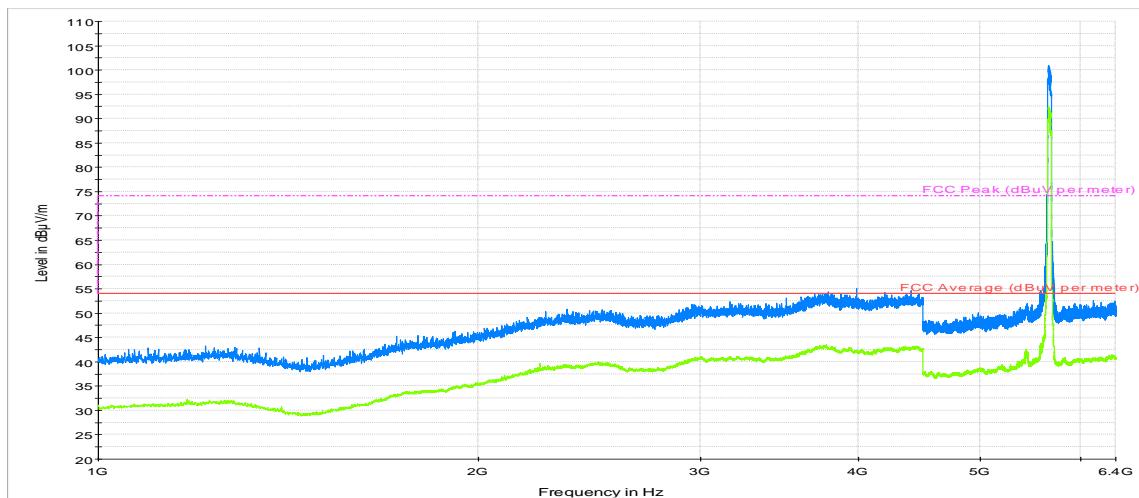
— Peak measurements — AVG measurements — Limit FCC AVG - - - Limit FCC Peak

| Frequency | MaxPeak | RMS | Limit | Margin |
|-----------|--------------|--------------|--------------|--------|
| MHz | dB μ V/m | dB μ V/m | dB μ V/m | dB |
| 4455 | 54.2 | --- | 74 | 19.8 |
| 4455 | --- | 43.1 | 54 | 10.9 |

Radiated Spurious – 1GHz to 6.4GHz –CH118F

— Peak measurements — AVG measurements — Limit FCC AVG — Limit FCC Peak

| Frequency | MaxPeak | RMS | Limit | Margin |
|-----------|--------------|--------------|--------------|--------|
| MHz | dB μ V/m | dB μ V/m | dB μ V/m | dB |
| 4447 | 54.8 | --- | 74 | 19.2 |
| 4447 | --- | 43.1 | 54 | 10.9 |

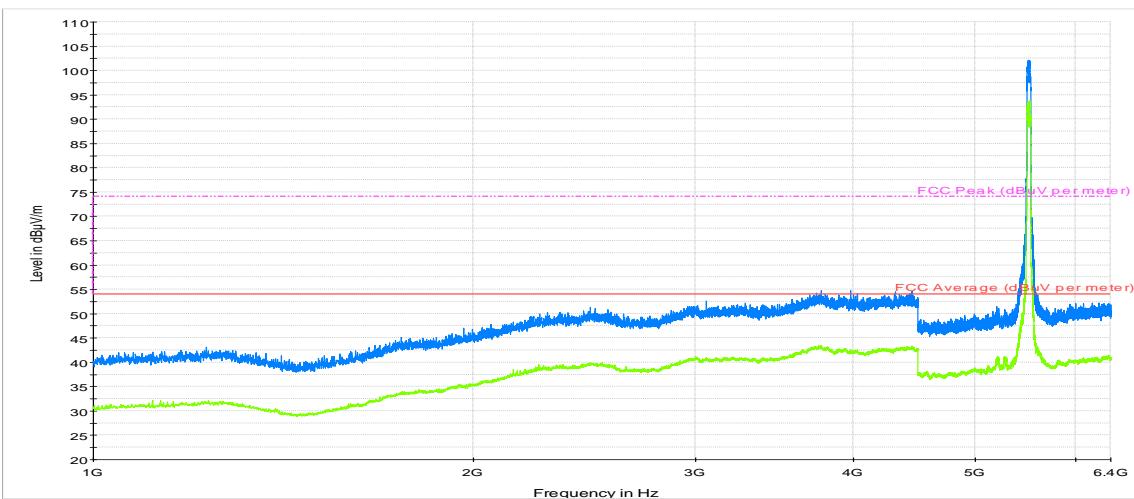
Radiated Spurious – 1GHz to 6.4GHz –CH134F

— Peak measurements — AVG measurements — Limit FCC AVG - - - Limit FCC Peak

| Frequency | MaxPeak | RMS | Limit | Margin |
|-----------|---------|--------|--------|--------|
| MHz | dBµV/m | dBµV/m | dBµV/m | dB |
| 4457 | 53.7 | --- | 74 | 20.3 |
| 4457 | --- | 42.9 | 54 | 11.1 |

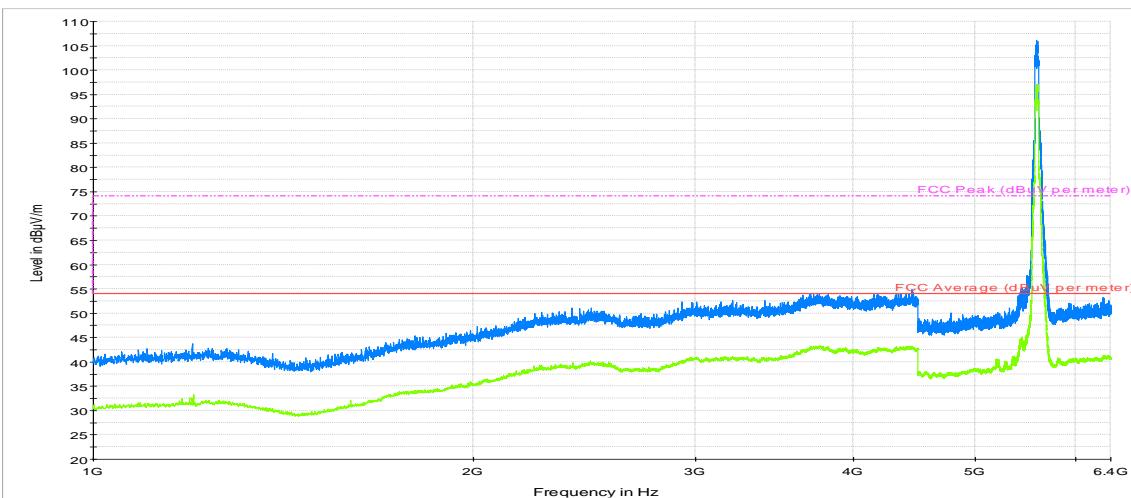
802.11n40, HT0 (SISO), Chain B

Radiated Spurious – 1GHz to 6.4GHz –CH102F



— Peak measurements — AVG measurements — Limit FCC AVG - - - Limit FCC Peak

| Frequency | MaxPeak | RMS | Limit | Margin |
|-----------|--------------|--------------|--------------|--------|
| MHz | dB μ V/m | dB μ V/m | dB μ V/m | dB |
| 4448 | 54.3 | --- | 74 | 19.4 |
| 4448 | --- | 43.3 | 54 | 10.7 |

Radiated Spurious – 1GHz to 6.4GHz –CH118F

— Peak measurements — AVG measurements — Limit FCC AVG - - - Limit FCC Peak

| Frequency | MaxPeak | RMS | Limit | Margin |
|-----------|--------------|--------------|--------------|--------|
| MHz | dB μ V/m | dB μ V/m | dB μ V/m | dB |
| 4457 | 53.7 | --- | 74 | 20.3 |
| 4457 | --- | 43.3 | 54 | 10.7 |