

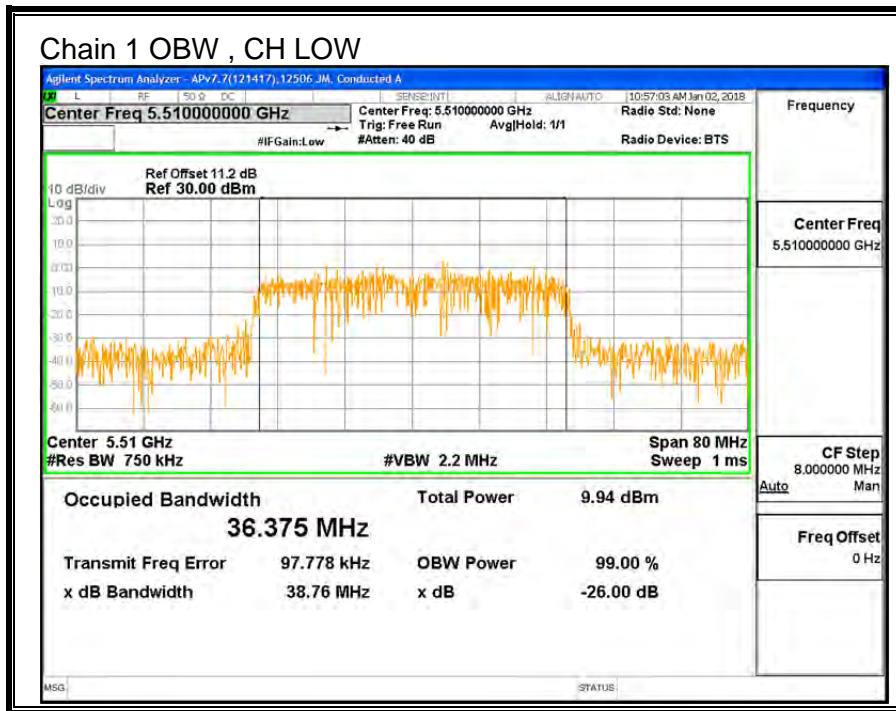
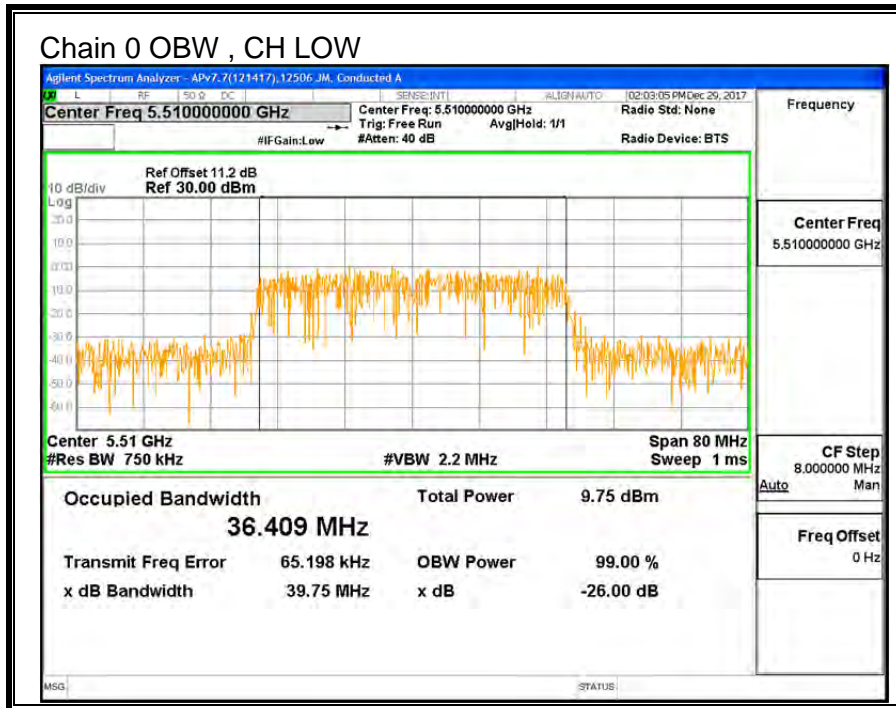
9.11.2. 99% BANDWIDTH

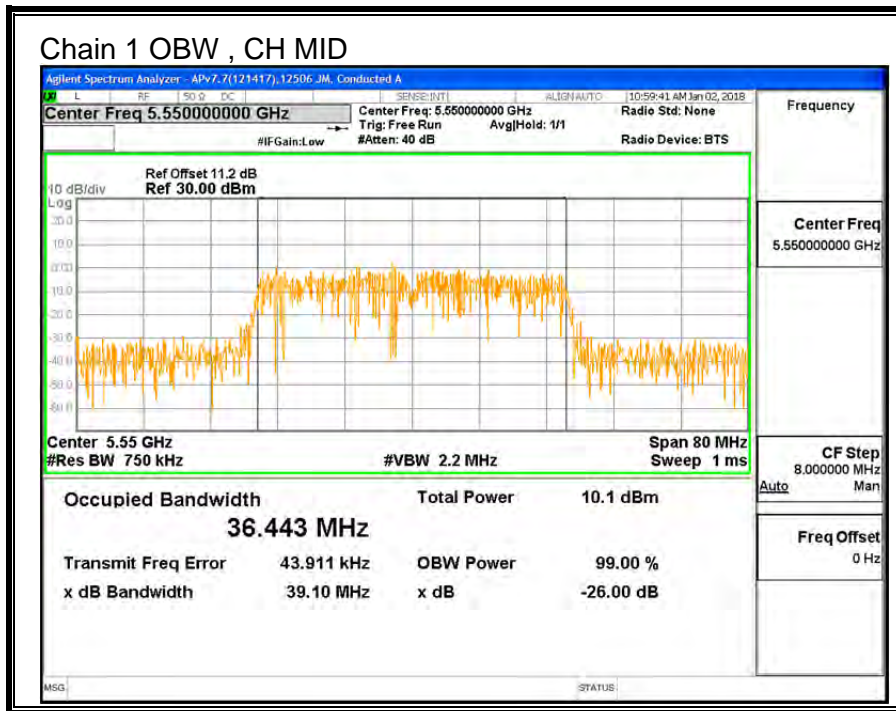
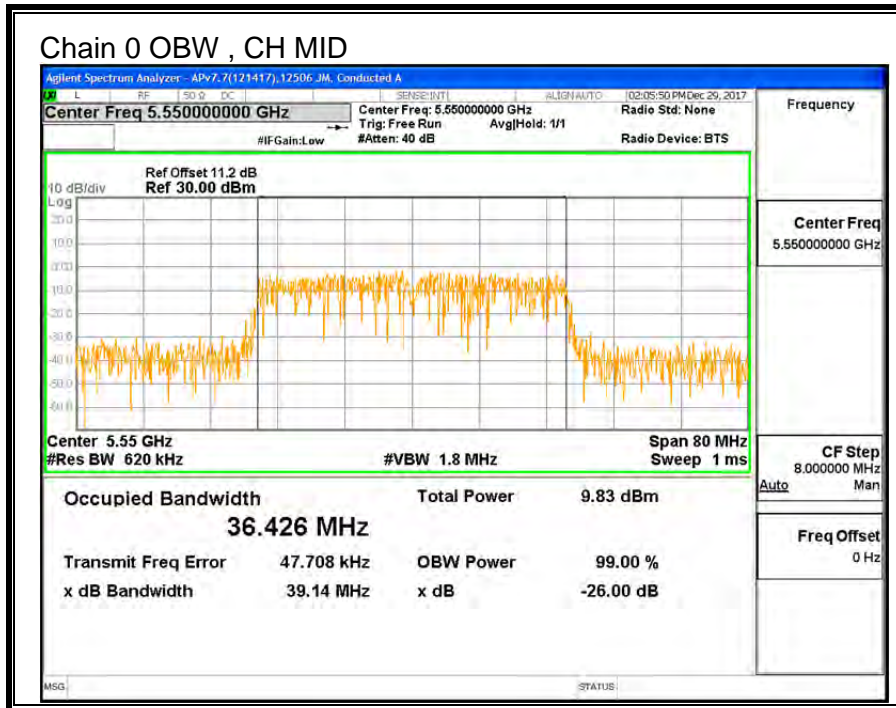
LIMITS

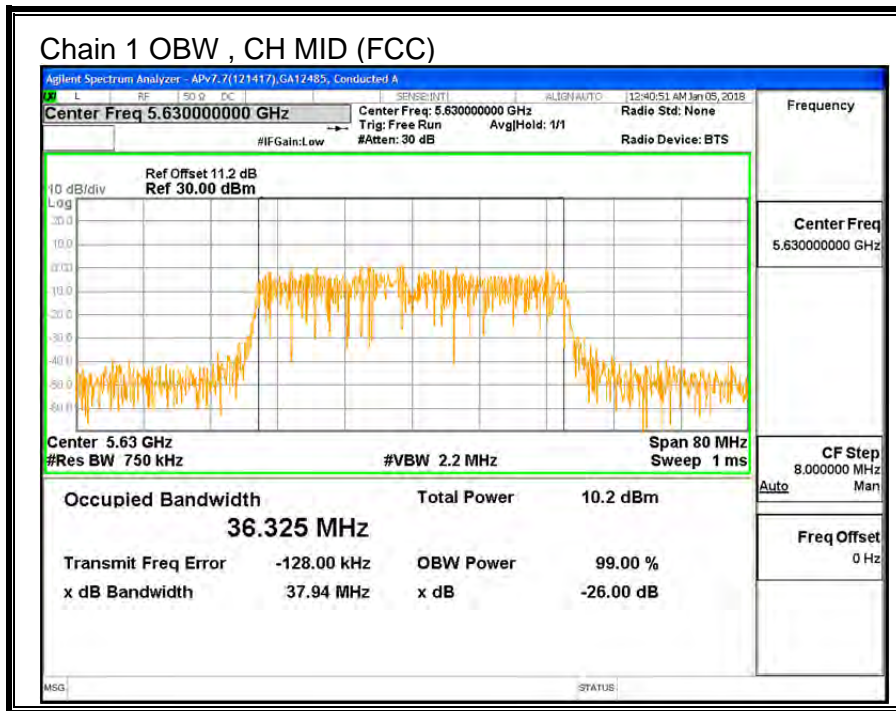
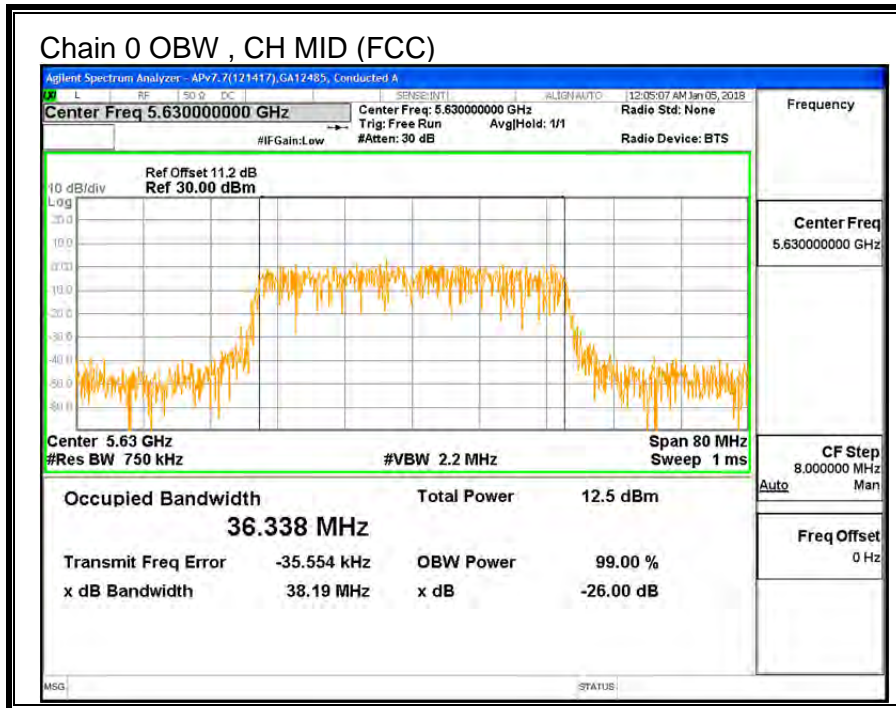
None; for reporting purposes only.

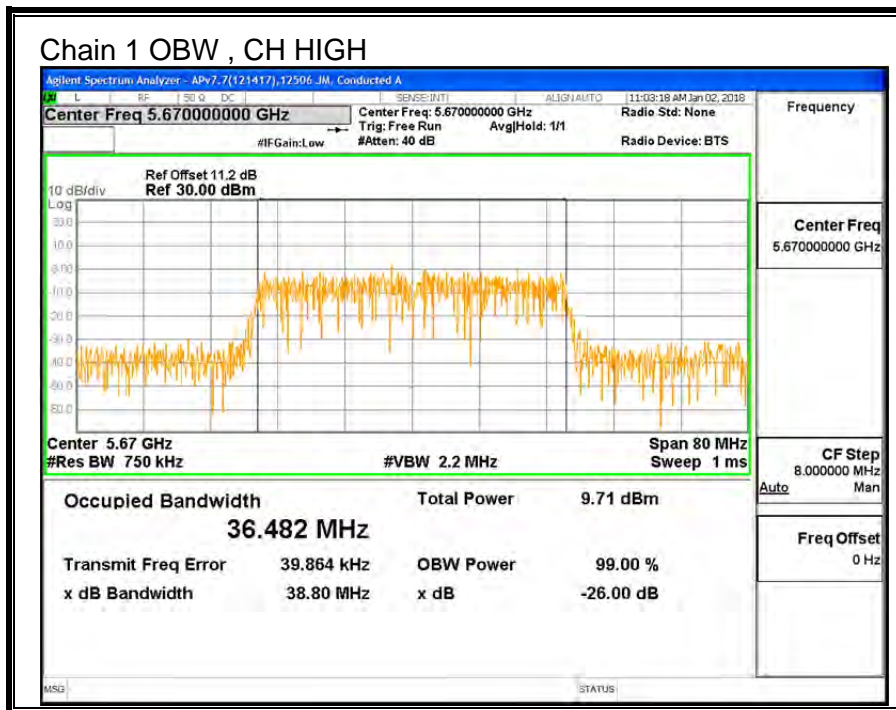
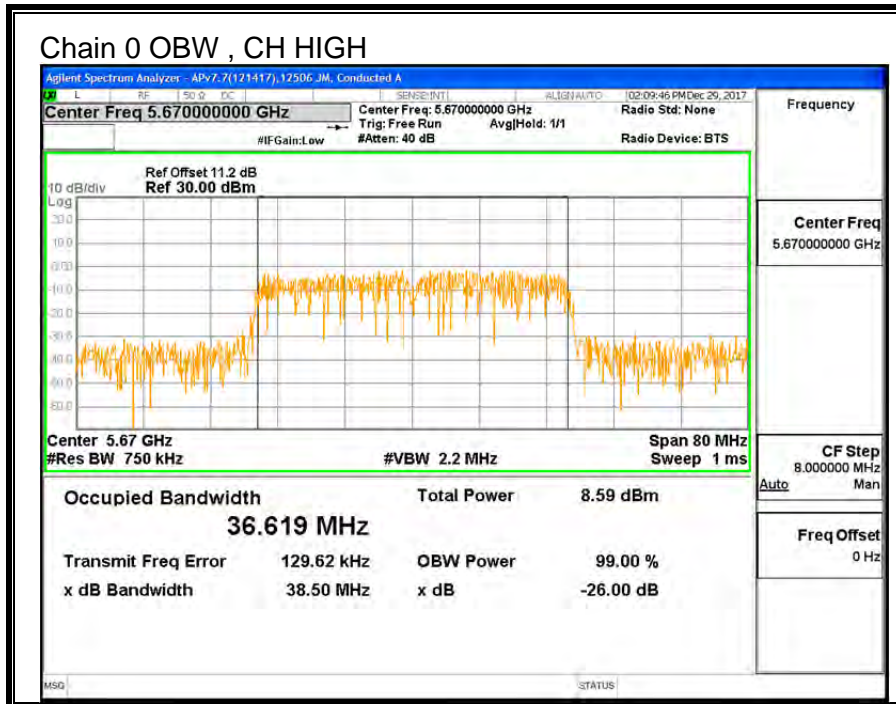
RESULTS

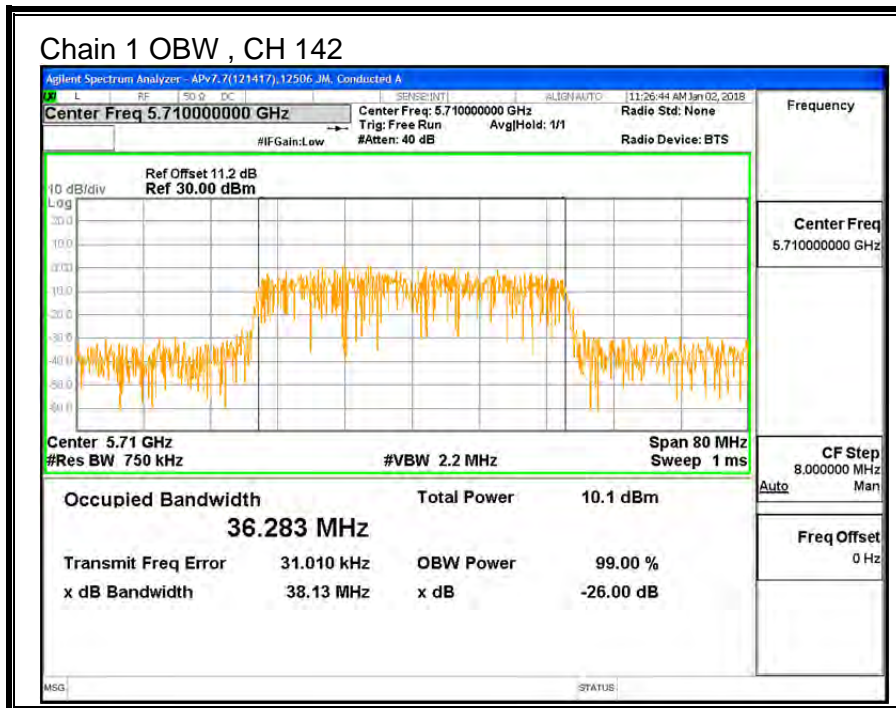
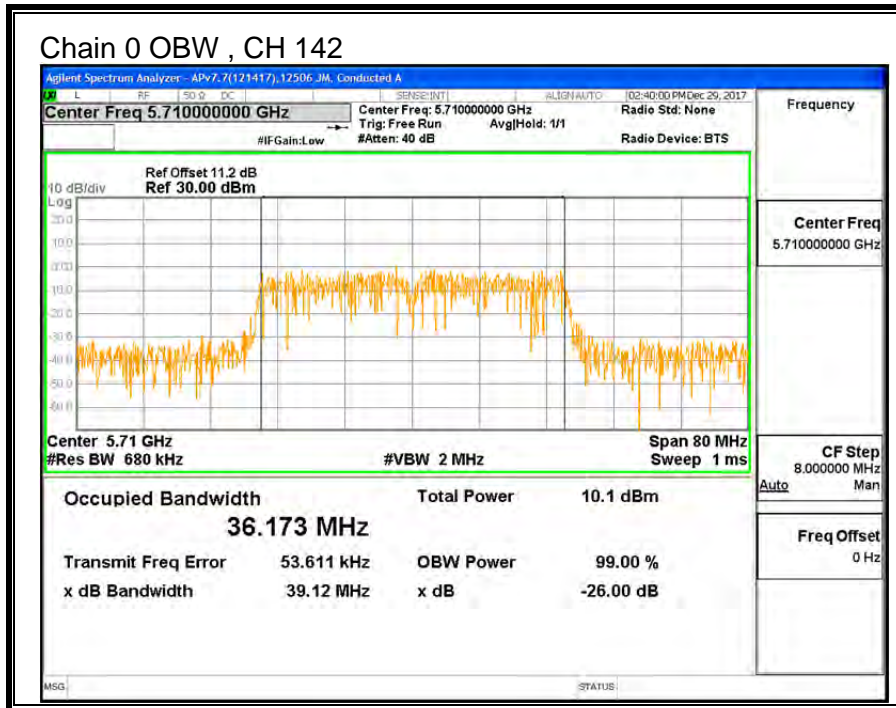
| Channel | Frequency | 99% BW Chain 0 (MHz) | 99% BW Chain 1 (MHz) |
|-----------|-----------|----------------------|----------------------|
| Low | 5510 | 36.409 | 36.375 |
| Mid | 5550 | 36.426 | 36.443 |
| Mid (FCC) | 5630 | 36.338 | 36.325 |
| High | 5670 | 36.619 | 36.482 |
| 142 | 5710 | 36.173 | 36.283 |











9.11.3. OUTPUT POWER AND PPSD

LIMITS

FCC §15.407 (a) (2)

For the band 5.47–5.725 GHz, the maximum conducted output power over the frequency band 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 MHz. In addition, the maximum power spectral density shall not exceed 11 dBm in any 1–MHz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the peak power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

TEST PROCEDURE

Measurements perform using a wideband gated RF power meter provided that the gate parameters are adjusted such that the power is measured only when the EUT is transmitting at its maximum power control level. Since the measurement is made only during the ON time of the transmitter, no duty cycle correction factor is required.

DIRECTIONAL ANTENNA GAIN

For power, the TX chains are uncorrelated and the antenna gain is unequal among the chains. The directional gain is:

5470-5725 MHz

| Chain 0 Antenna Gain (dBi) | Chain 1 Antenna Gain (dBi) | Uncorrelated Chains Directional Gain (dBi) |
|-------------------------------------|-------------------------------------|---|
| -0.80 | -5.40 | -2.52 |

For PSD the TX chains are correlated and the antenna gain is unequal among the chains. The directional gain is:

5470-5725 MHz

| Chain 0 Antenna Gain (dBi) | Chain 1 Antenna Gain (dBi) | Correlated Chains Directional Gain (dBi) |
|-------------------------------------|-------------------------------------|---|
| -0.80 | -5.40 | 0.21 |

RESULTS

| | | | |
|------------|----------|--------------|----------|
| ID: | 12506 JM | Date: | 01/08/18 |
|------------|----------|--------------|----------|

Bandwidth and Antenna Gain

| Channel | Frequency (MHz) | Min 26 dB BW (MHz) | Min 99% BW (MHz) | Directional Gain for Power (dBi) | Directional Gain for PPSD (dBi) |
|-----------|--------------------|-----------------------------|---------------------------|---|--|
| Low | 5510 | 41.10 | 36.375 | -2.52 | 0.21 |
| Mid | 5550 | 41.20 | 35.426 | -2.52 | 0.21 |
| Mid (FCC) | 5630 | 41.20 | 36.325 | -2.52 | 0.21 |
| High | 5670 | 41.10 | 36.482 | -2.52 | 0.21 |
| 142 | 5710 | 35.45 | 33.087 | -2.52 | 0.21 |

Limits

| Channel | Frequency (MHz) | FCC Power Limit (dBm) | IC Power Limit (dBm) | IC EIRP Limit (dBm) | Power Limit (dBm) | FCC PPSD Limit (dBm) | IC PSD Limit (dBm) | PPSD Limit (dBm) |
|-----------|--------------------|--------------------------------|-------------------------------|------------------------------|-------------------------|-------------------------------|-----------------------------|------------------------|
| 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 |
| Mid (FCC) | 5630 | 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) | 0.48 | Included in Calculations of Corr'd PPSD |
|---------------------------|------|--|

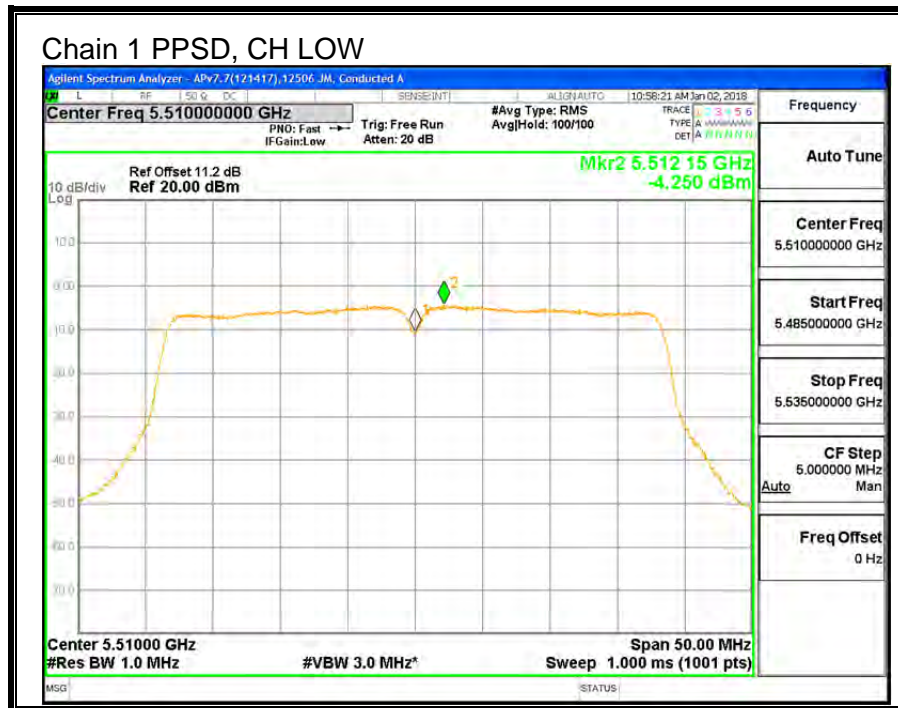
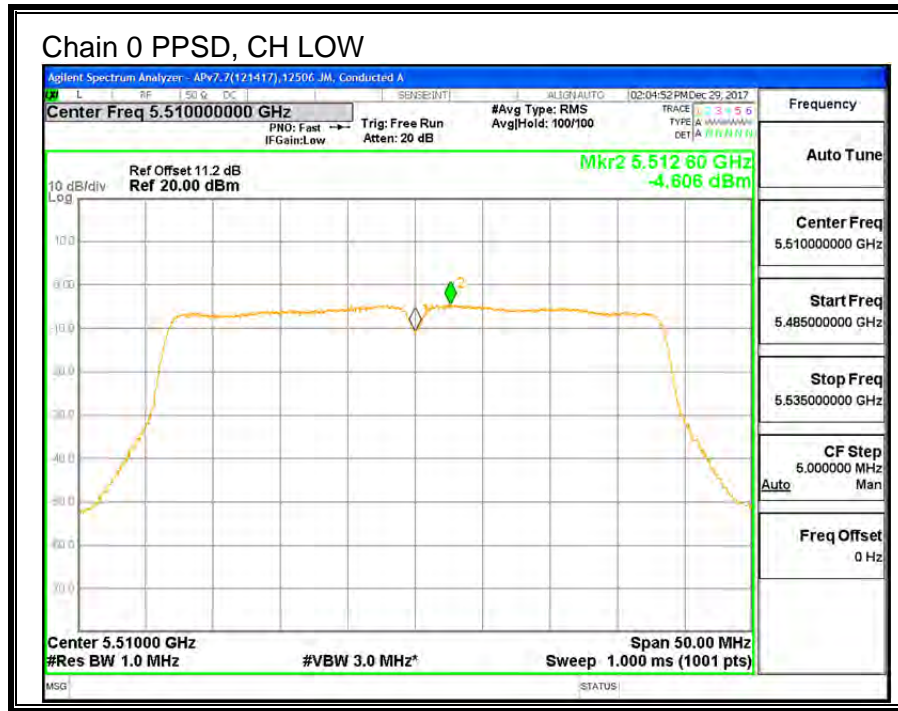
Output Power Results

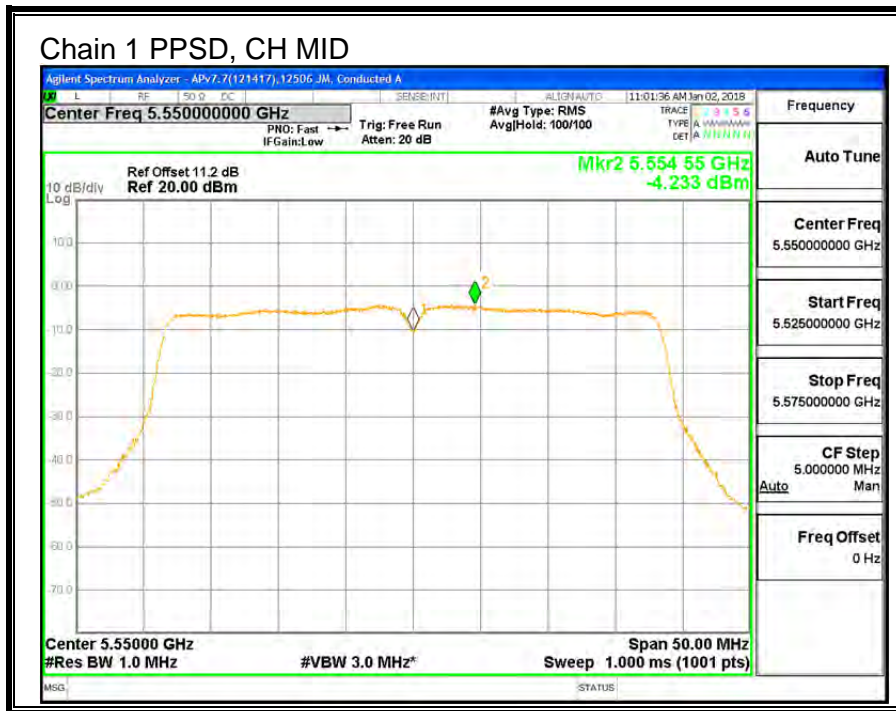
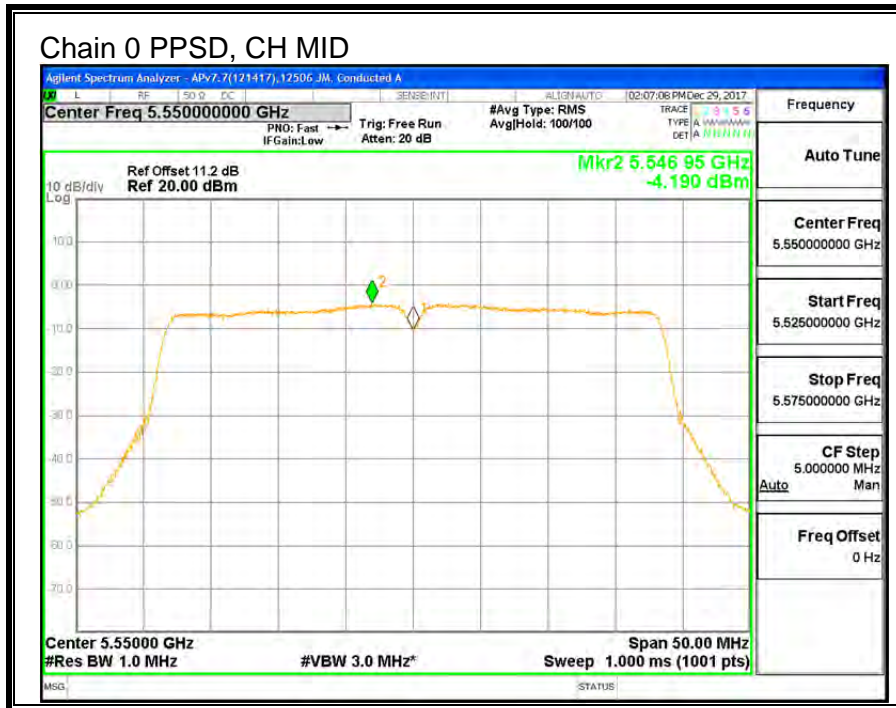
| Channel | Frequency (MHz) | Chain 0 Meas Power (dBm) | Chain 1 Meas Power (dBm) | Total Corr'd Power (dBm) | Power Limit (dBm) | Power Margin (dB) |
|-----------|--------------------|-----------------------------------|-----------------------------------|-----------------------------------|-------------------------|-------------------------|
| Low | 5510 | 9.26 | 9.63 | 12.46 | 24.00 | -11.54 |
| Mid | 5550 | 9.65 | 9.86 | 12.77 | 24.00 | -11.23 |
| Mid (FCC) | 5630 | 9.18 | 9.59 | 12.40 | 24.00 | -11.60 |
| High | 5670 | 9.69 | 9.42 | 12.57 | 24.00 | -11.43 |
| 142 | 5710 | 9.63 | 9.49 | 12.57 | 24.00 | -11.43 |

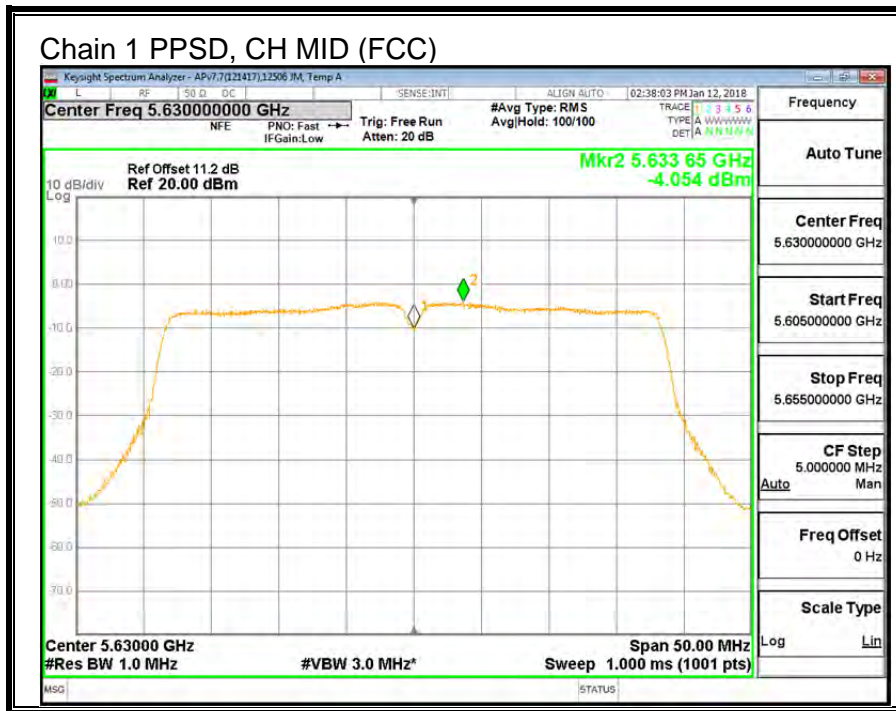
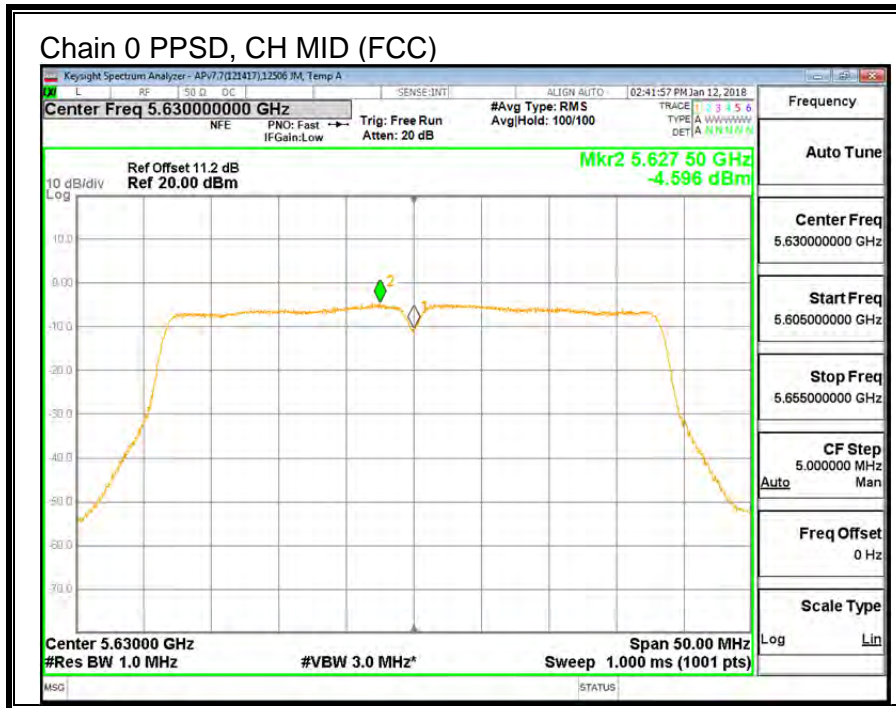
PPSD Results

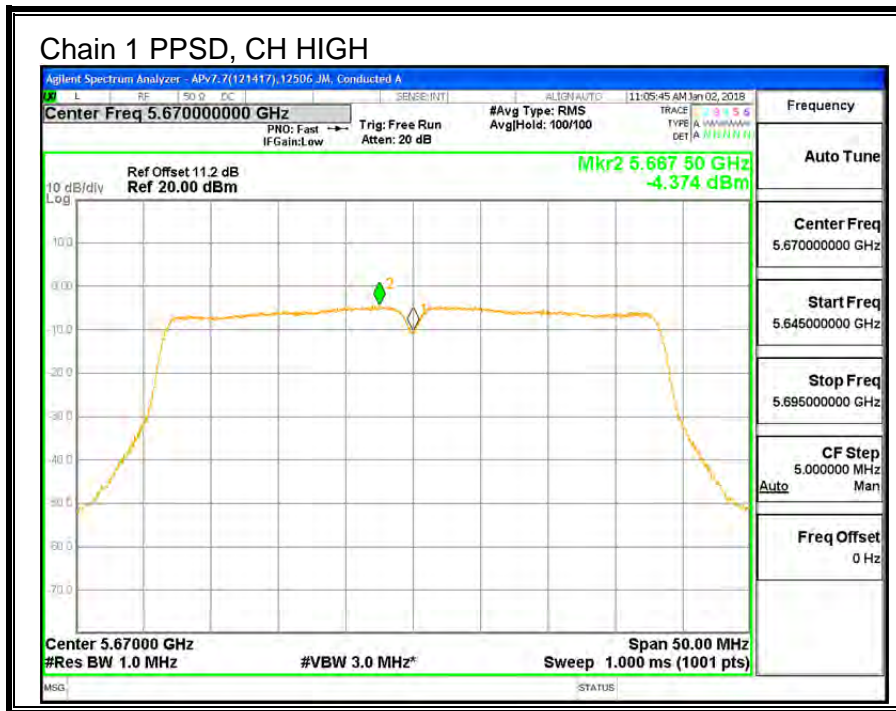
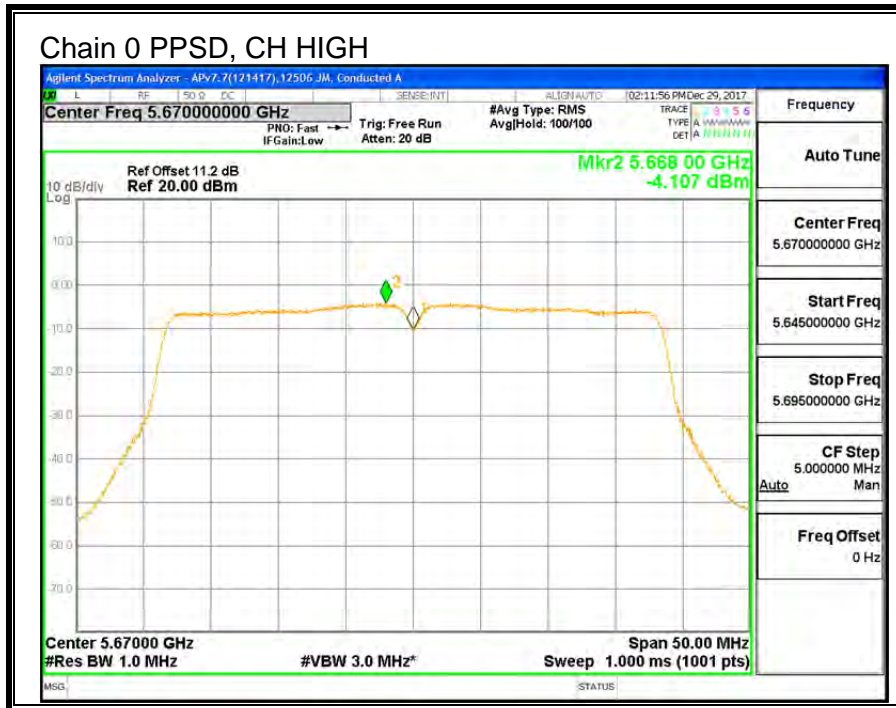
| Channel | Frequency (MHz) | Chain 0 Meas PPSD (dBm) | Chain 1 Meas PPSD (dBm) | Total Corr'd PPSD (dBm) | PPSD Limit (dBm) | PPSD Margin (dB) |
|-----------|--------------------|----------------------------------|----------------------------------|----------------------------------|------------------------|------------------------|
| Low | 5510 | -4.606 | -4.250 | -0.93 | 11.00 | -11.93 |
| Mid | 5550 | -4.190 | -4.233 | -0.72 | 11.00 | -11.72 |
| Mid (FCC) | 5630 | -4.596 | -4.054 | -0.83 | 11.00 | -11.83 |
| High | 5670 | -4.107 | -4.374 | -0.75 | 11.00 | -11.75 |
| 142 | 5710 | -3.853 | -4.183 | -0.52 | 11.00 | -11.52 |

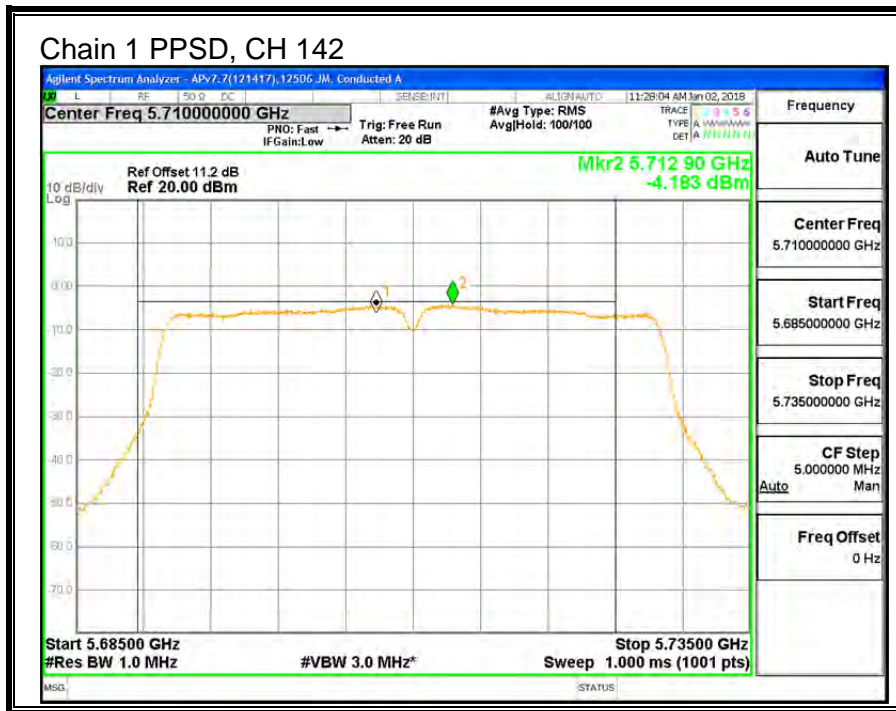
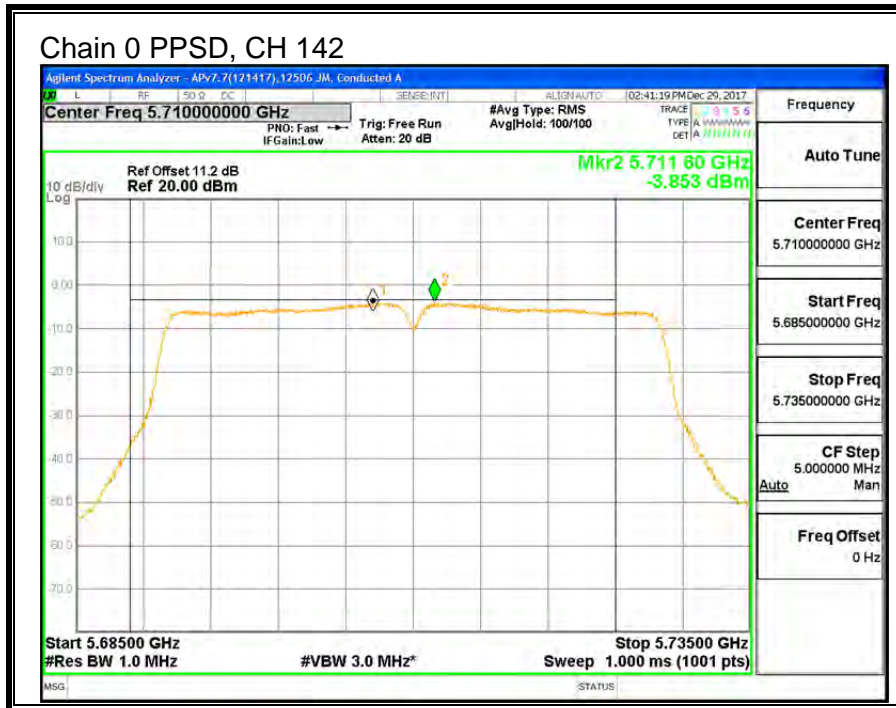
Note: the power readings above were measured with gated method, and the measurement was taken only during the ON time. No duty cycle correction was necessary.











9.12. 11ac HT80 2TX CDD MIMO MODE IN THE 5.6GHz BAND

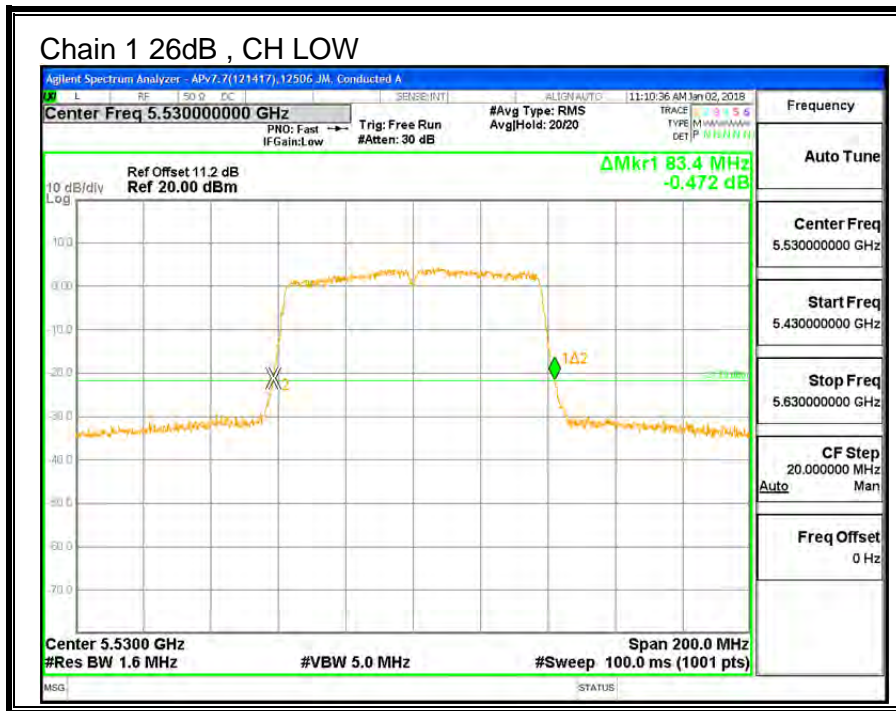
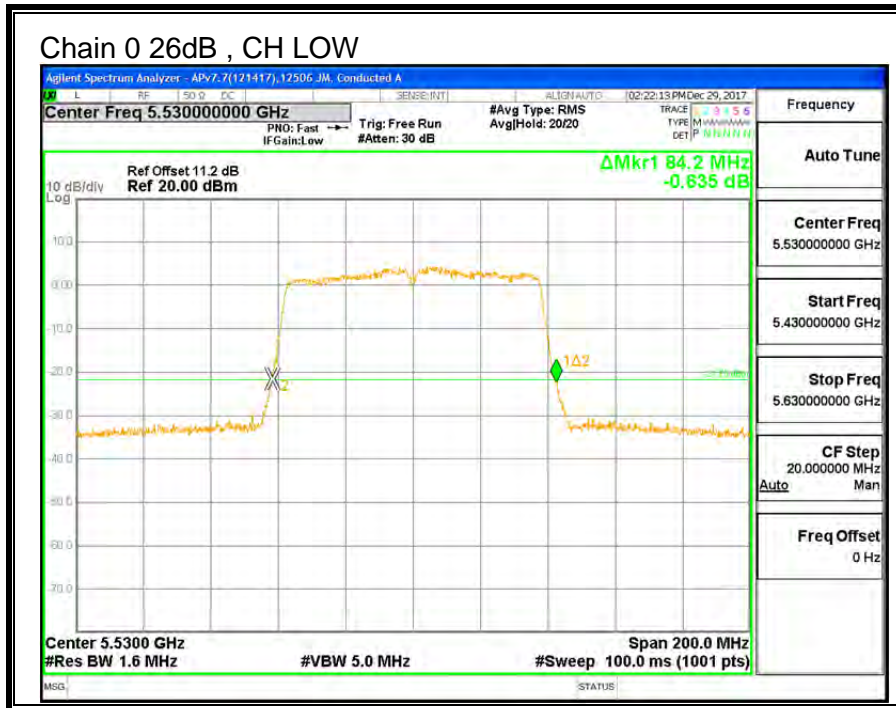
9.12.1. 26 dB BANDWIDTH

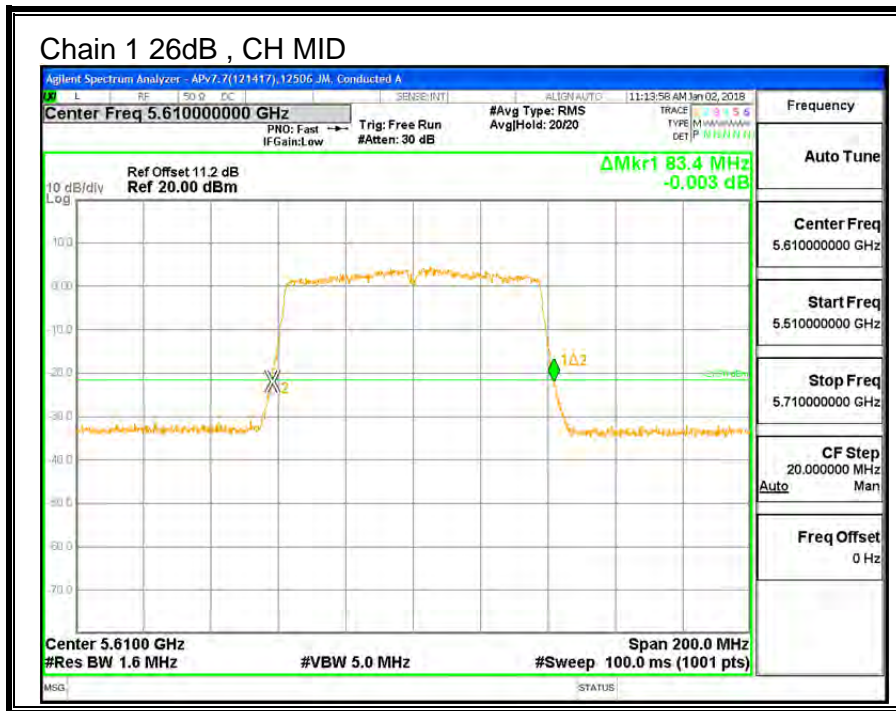
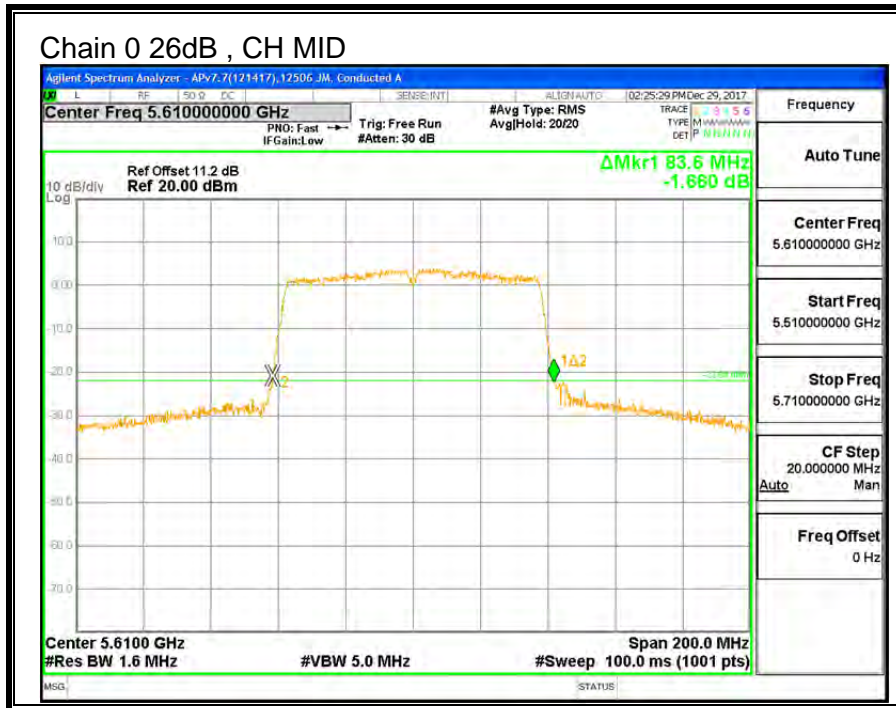
LIMITS

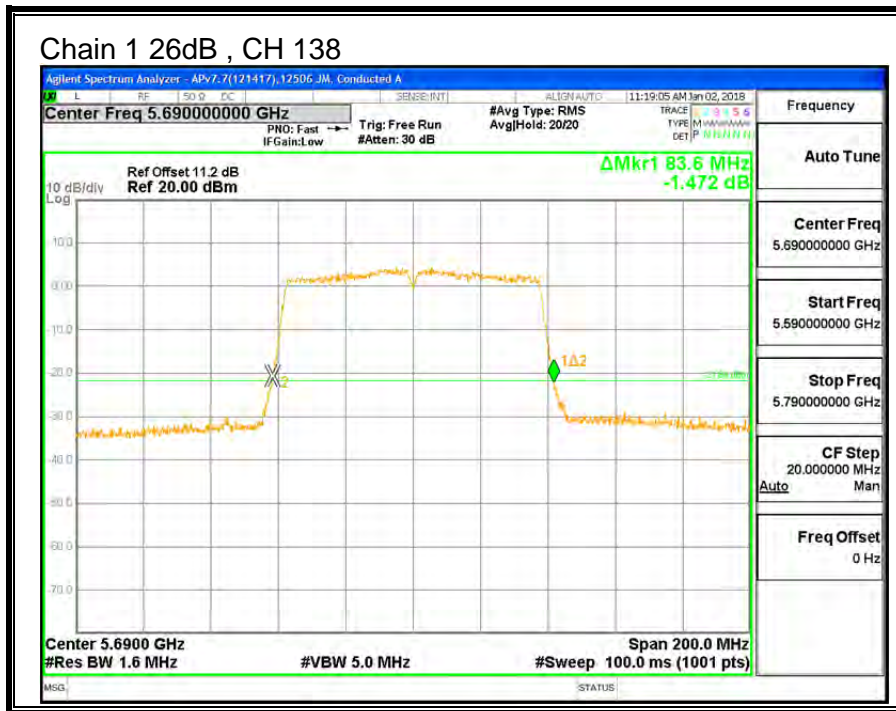
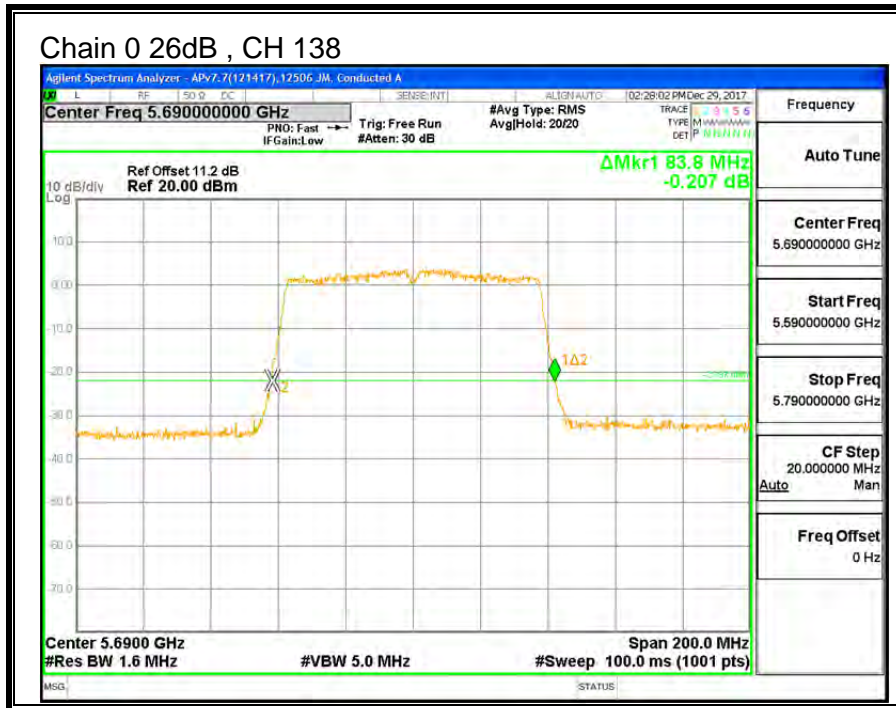
None; for reporting purposes only.

RESULTS

| Channel | Frequency | 26 dB BW Chain 0 (MHz) | 26 dB BW Chain 1 (MHz) |
|---------|-----------|------------------------------|------------------------------|
| Low | 5530 | 84.2 | 83.4 |
| Mid | 5610 | 83.6 | 83.4 |
| 138 | 5690 | 83.8 | 83.6 |







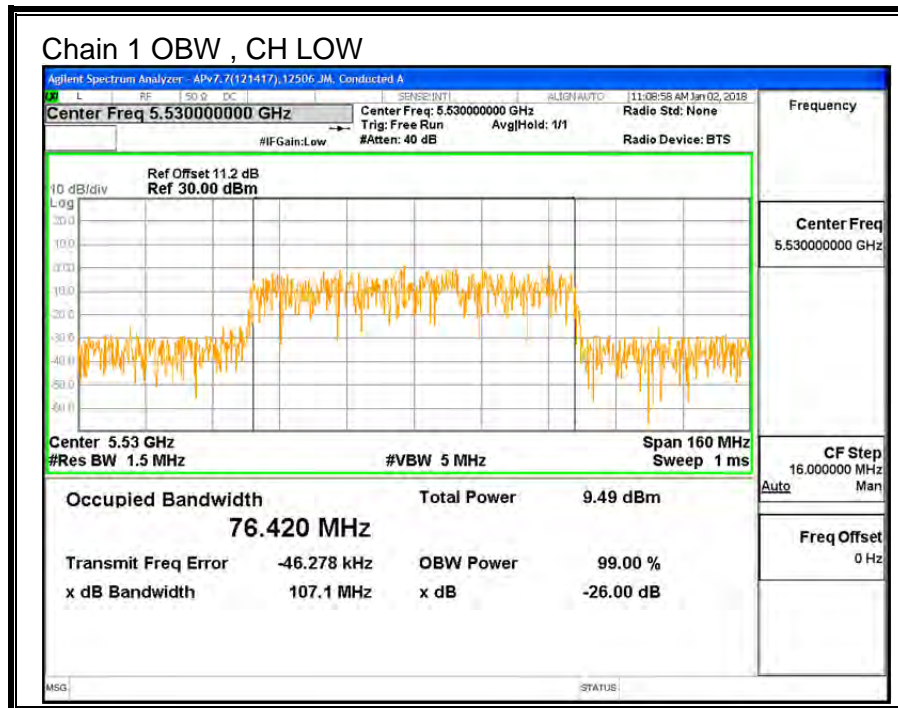
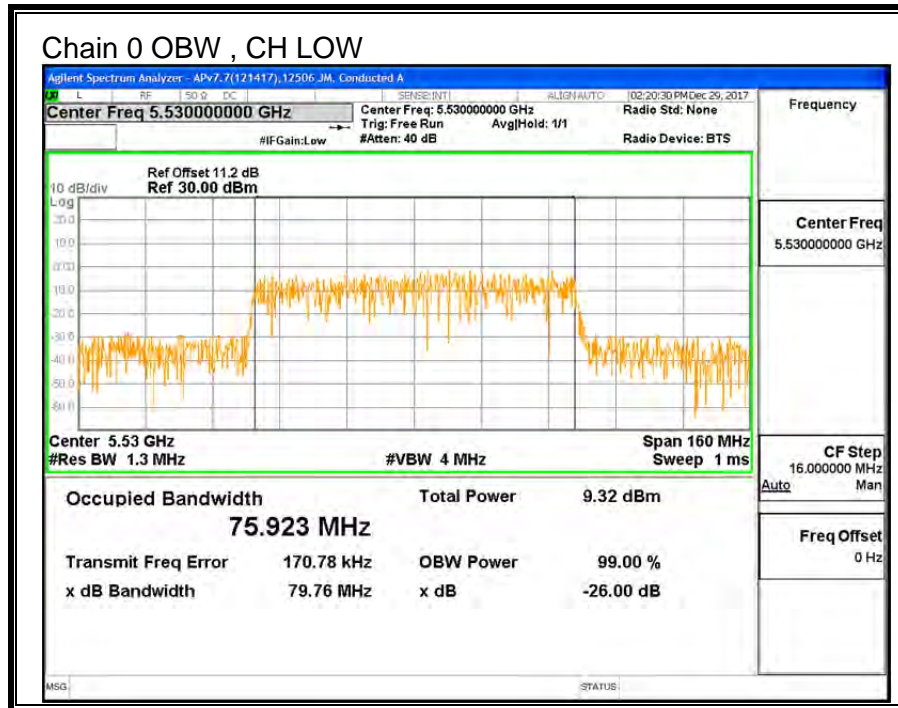
9.12.2. 99% BANDWIDTH

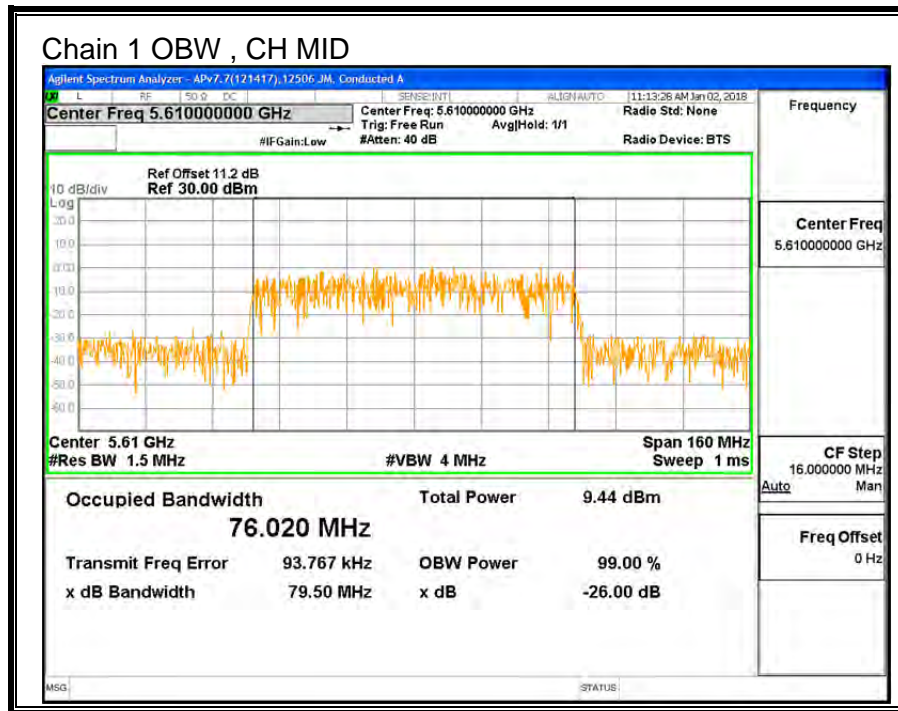
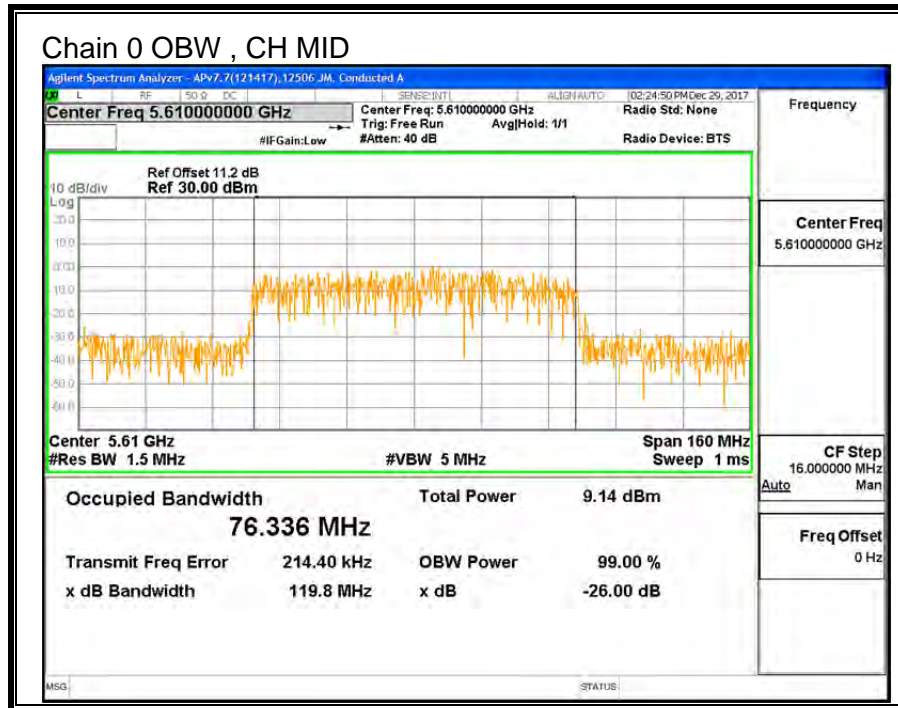
LIMITS

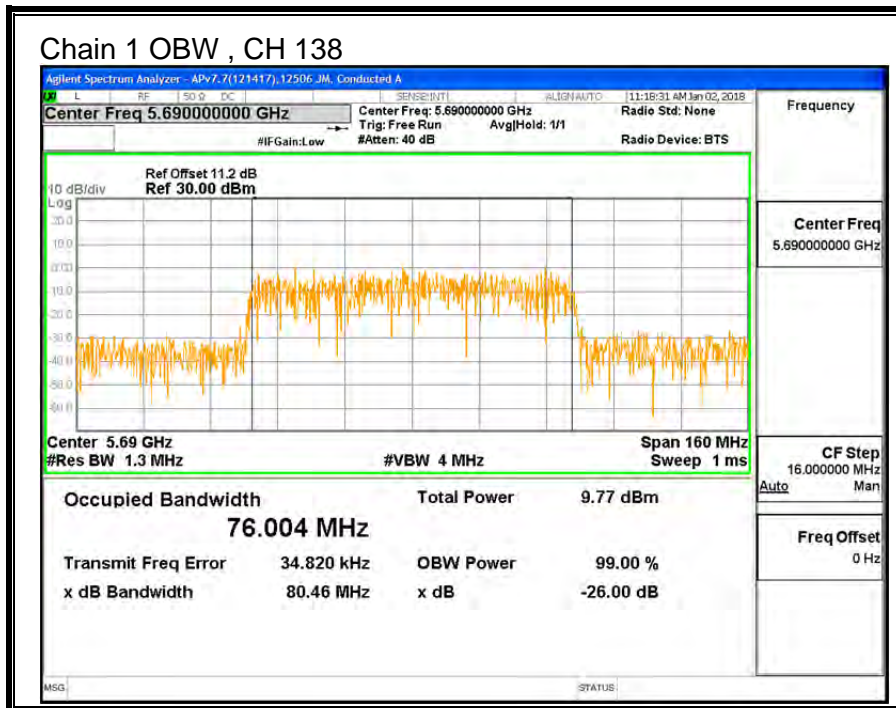
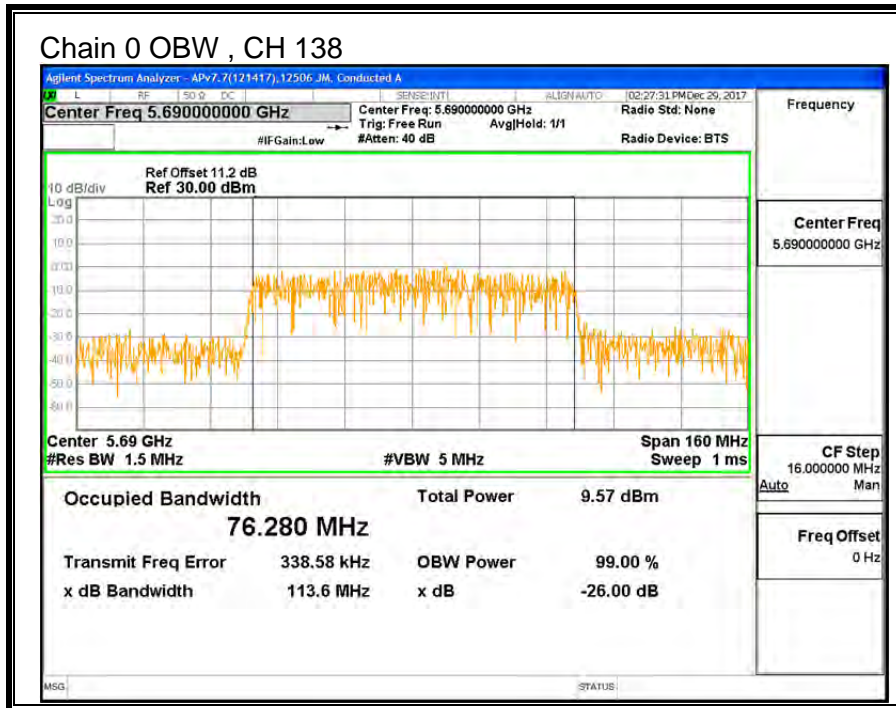
None; for reporting purposes only.

RESULTS

| Channel | Frequency | 99% BW Chain 0 (MHz) | 99% BW Chain 1 (MHz) |
|---------|-----------|----------------------|----------------------|
| Low | 5530 | 75.923 | 76.420 |
| Mid | 5610 | 76.336 | 76.020 |
| 138 | 5690 | 76.280 | 76.004 |







9.12.3. OUTPUT POWER AND PPSD

LIMITS

FCC §15.407 (a) (2)

For the band 5.47–5.725 GHz, the maximum conducted output power over the frequency band 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 MHz. In addition, the maximum power spectral density shall not exceed 11 dBm in any 1–MHz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the peak power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

TEST PROCEDURE

Measurements perform using a wideband gated RF power meter provided that the gate parameters are adjusted such that the power is measured only when the EUT is transmitting at its maximum power control level. Since the measurement is made only during the ON time of the transmitter, no duty cycle correction factor is required.

DIRECTIONAL ANTENNA GAIN

For power, the TX chains are uncorrelated and the antenna gain is unequal among the chains. The directional gain is:

5470-5725 MHz

| Chain 0 Antenna Gain (dBi) | Chain 1 Antenna Gain (dBi) | Uncorrelated Chains Directional Gain (dBi) |
|-------------------------------------|-------------------------------------|---|
| -0.80 | -5.40 | -2.52 |

For PSD the TX chains are correlated and the antenna gain is unequal among the chains. The directional gain is:

5470-5725 MHz

| Chain 0 Antenna Gain (dBi) | Chain 1 Antenna Gain (dBi) | Correlated Chains Directional Gain (dBi) |
|-------------------------------------|-------------------------------------|---|
| -0.80 | -5.40 | 0.21 |

RESULTS

| | | | |
|------------|----------|--------------|----------|
| ID: | 12506 JM | Date: | 01/08/18 |
|------------|----------|--------------|----------|

Bandwidth and Antenna Gain

| Channel | Frequency (MHz) | Min 26 dB BW (MHz) | Min 99% BW (MHz) | Directional Gain for Power (dBi) | Directional Gain for PPSD (dBi) |
|---------|--------------------|-----------------------------|---------------------------|---|--|
| Low | 5530 | 83.40 | 75.923 | -2.52 | 0.21 |
| Mid | 5610 | 83.40 | 76.020 | -2.52 | 0.21 |
| 138 | 5690 | 76.80 | 73.002 | -2.52 | 0.21 |

Limits

| Channel | Frequency (MHz) | FCC Power Limit (dBm) | IC Power Limit (dBm) | IC EIRP Limit (dBm) | Power Limit (dBm) | FCC PPSD Limit (dBm) | IC PSD Limit (dBm) | PPSD Limit (dBm) |
|---------|--------------------|--------------------------------|-------------------------------|------------------------------|-------------------------|-------------------------------|-----------------------------|------------------------|
| Low | 5530 | 24.00 | 24.00 | 30.00 | 24.00 | 11.00 | 11.00 | 11.00 |
| Mid | 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) | 0.73 | Included in Calculations of Corr'd PPSD |
|---------------------------|------|--|

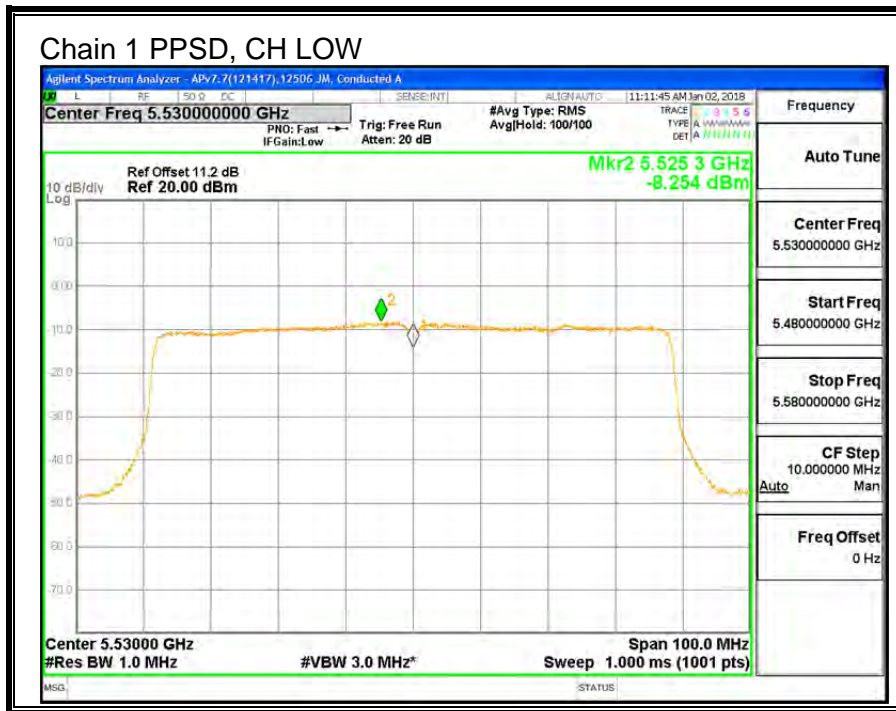
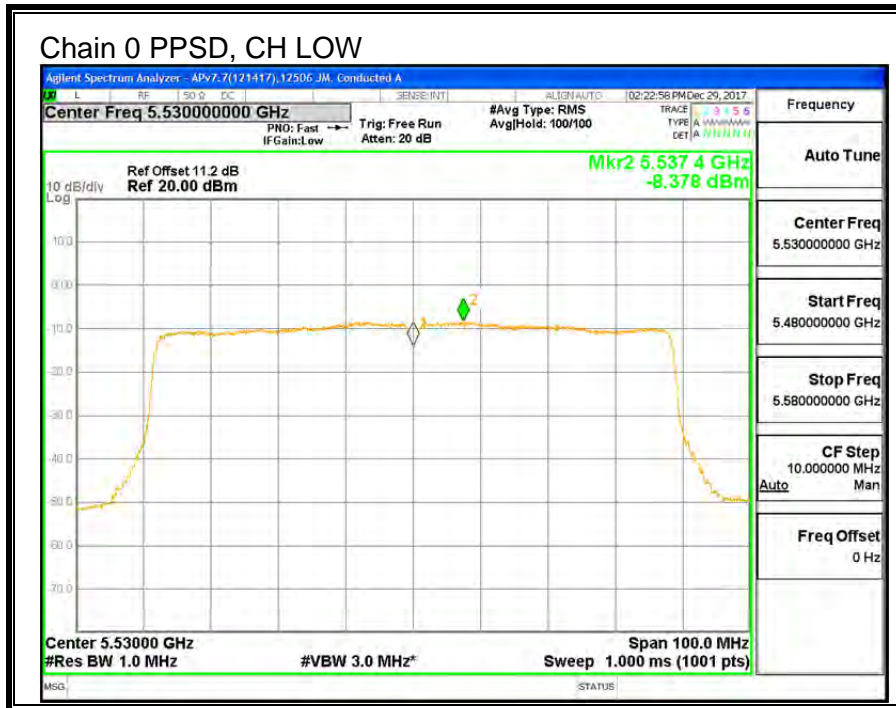
Output Power Results

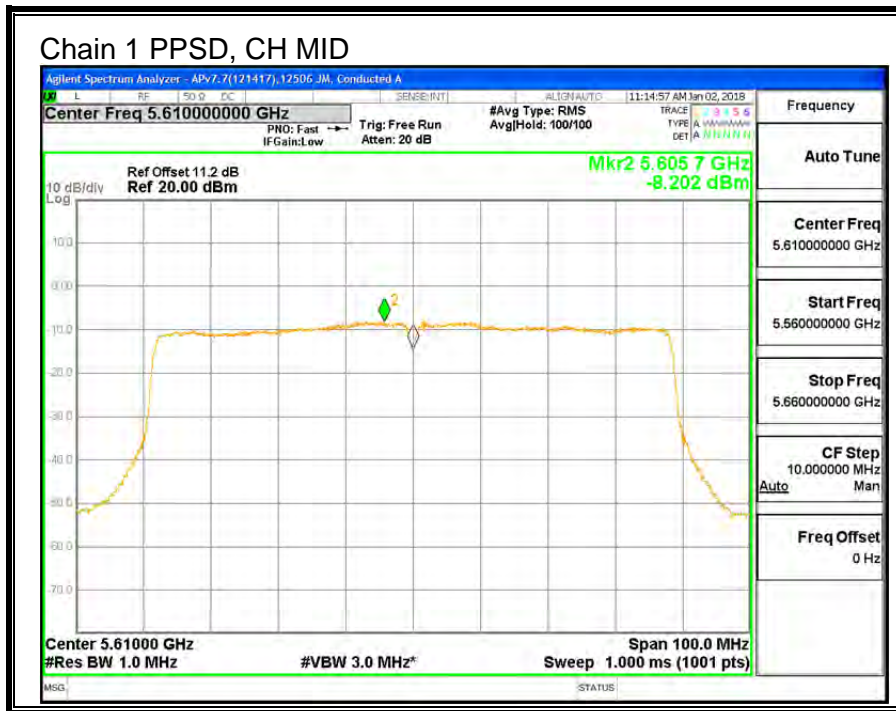
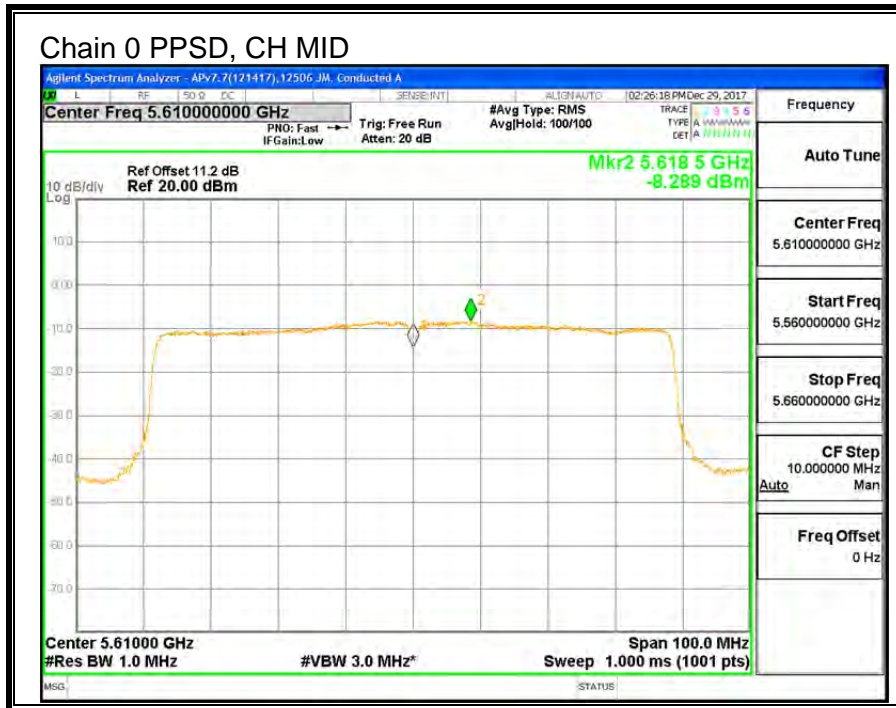
| Channel | Frequency (MHz) | Chain 0 Meas Power (dBm) | Chain 1 Meas Power (dBm) | Total Corr'd Power (dBm) | Power Limit (dBm) | Power Margin (dB) |
|---------|--------------------|-----------------------------------|-----------------------------------|-----------------------------------|-------------------------|-------------------------|
| Low | 5530 | 8.85 | 9.57 | 12.24 | 24.00 | -11.76 |
| Mid | 5610 | 9.09 | 9.29 | 12.20 | 24.00 | -11.80 |
| 138 | 5690 | 8.97 | 9.57 | 12.29 | 24.00 | -11.71 |

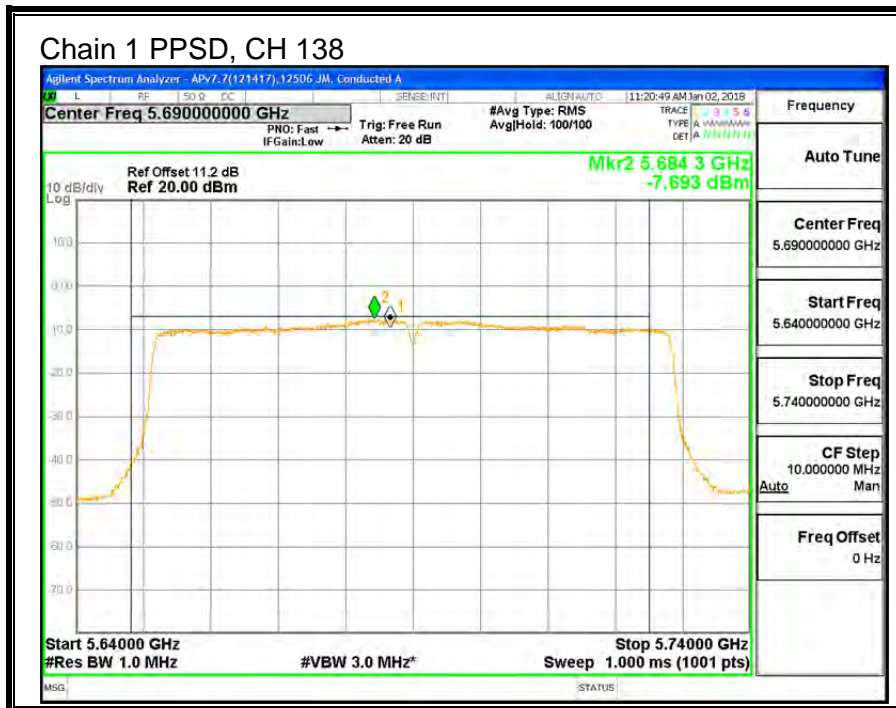
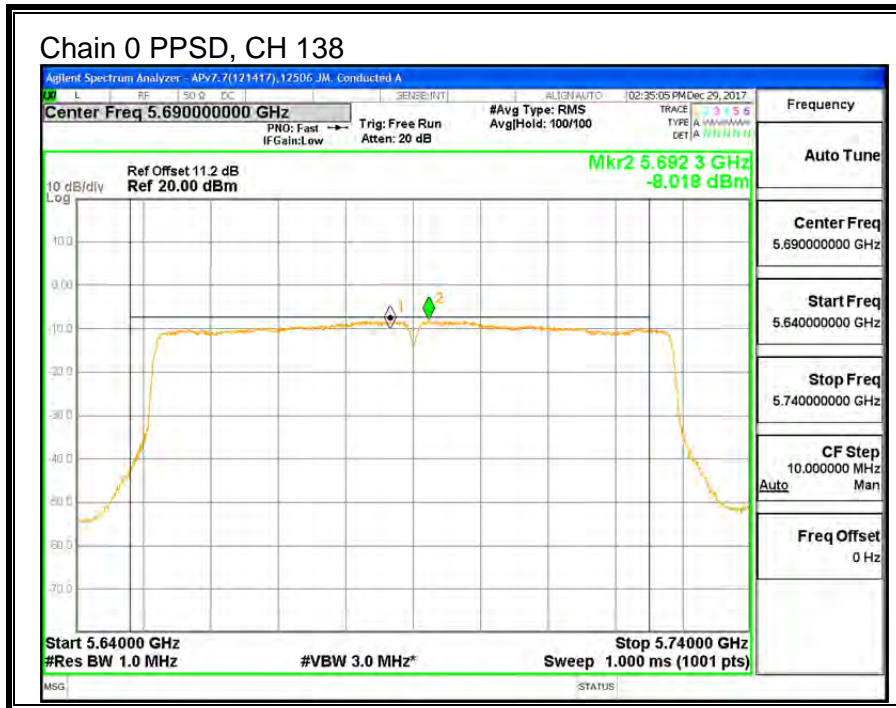
PPSD Results

| Channel | Frequency (MHz) | Chain 0 Meas PPSD (dBm) | Chain 1 Meas PPSD (dBm) | Total Corr'd PPSD (dBm) | PPSD Limit (dBm) | PPSD Margin (dB) |
|---------|--------------------|----------------------------------|----------------------------------|----------------------------------|------------------------|------------------------|
| Low | 5530 | -8.378 | -8.254 | -4.58 | 11.00 | -15.58 |
| Mid | 5610 | -8.289 | -8.202 | -4.50 | 11.00 | -15.50 |
| 138 | 5690 | -8.018 | -7.693 | -4.11 | 11.00 | -15.11 |

Note: the power readings above were measured with gated method, and the measurement was taken only during the ON time. No duty cycle correction was necessary.







9.13. 11a 2TX CDD MIMO MODE IN THE 5.8GHz BAND

9.13.1. 6 dB BANDWIDTH

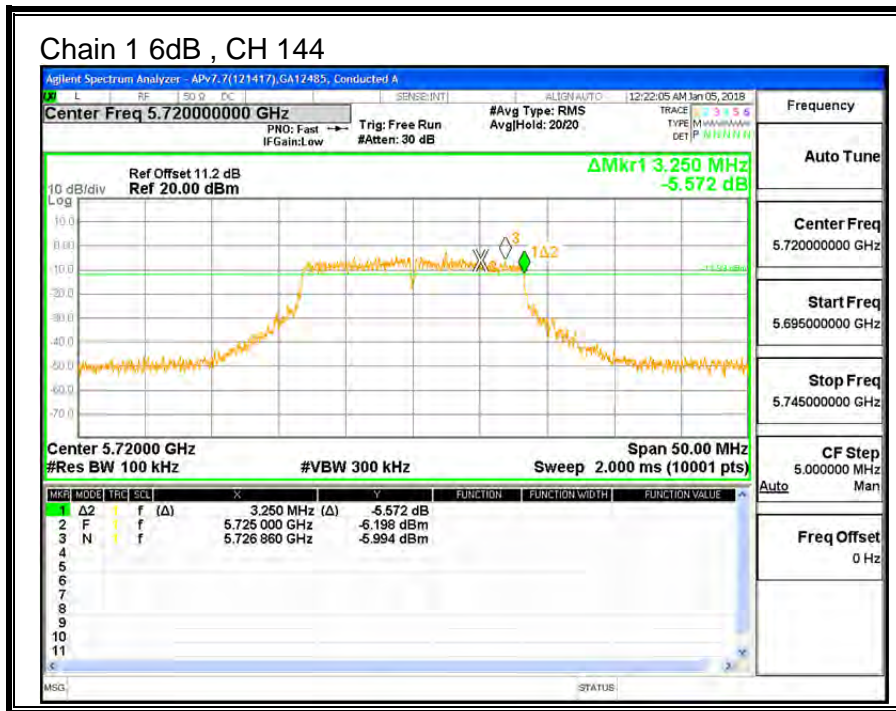
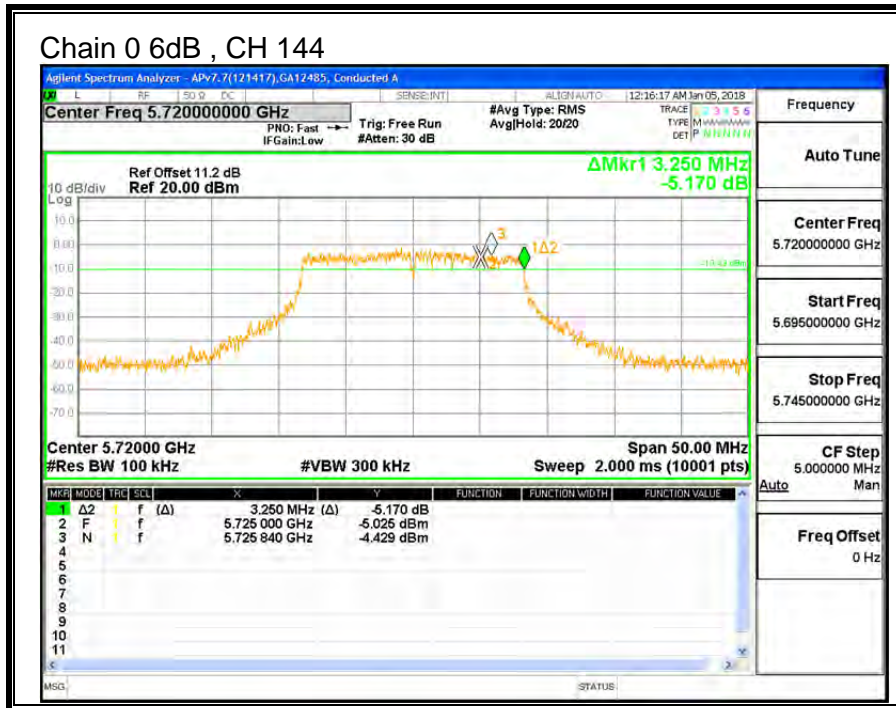
LIMITS

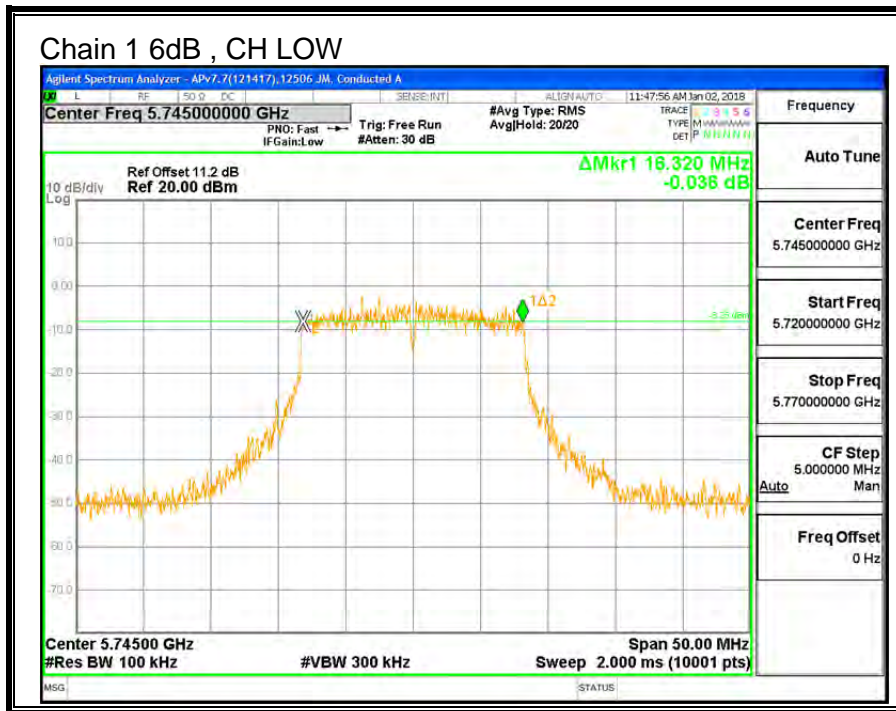
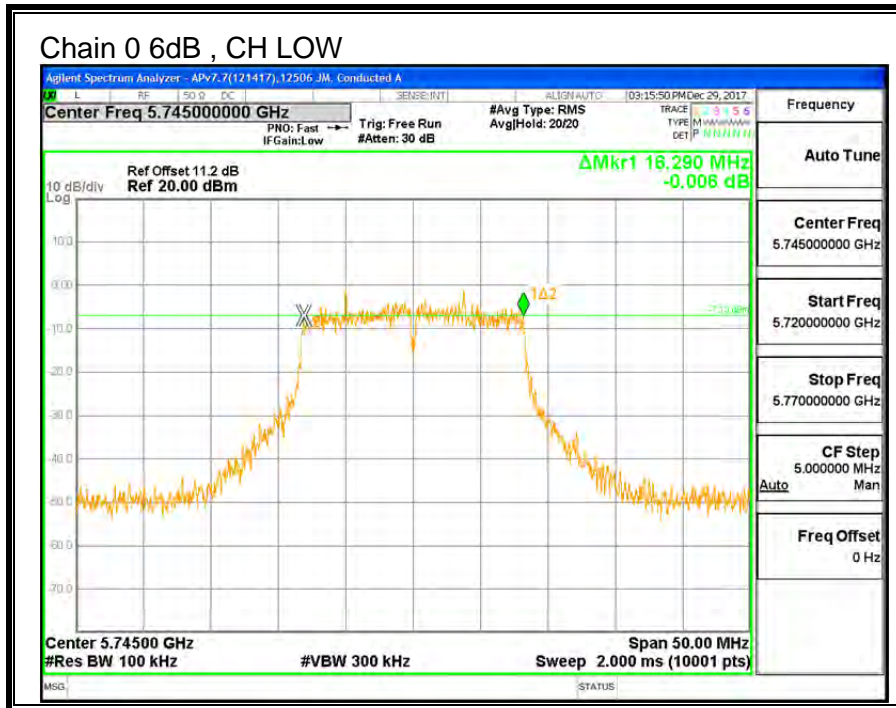
FCC §15.407 (e)

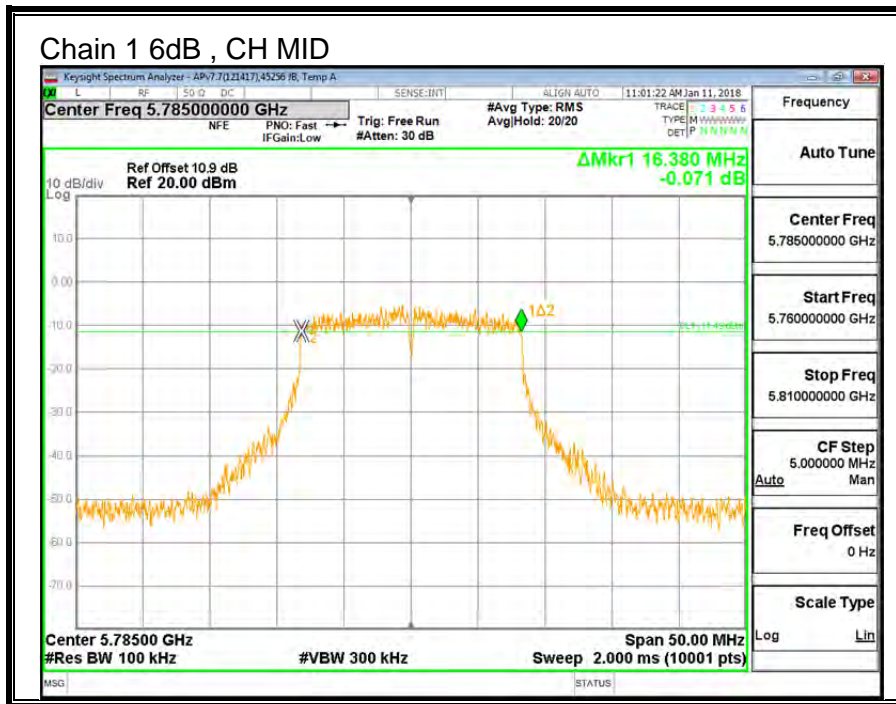
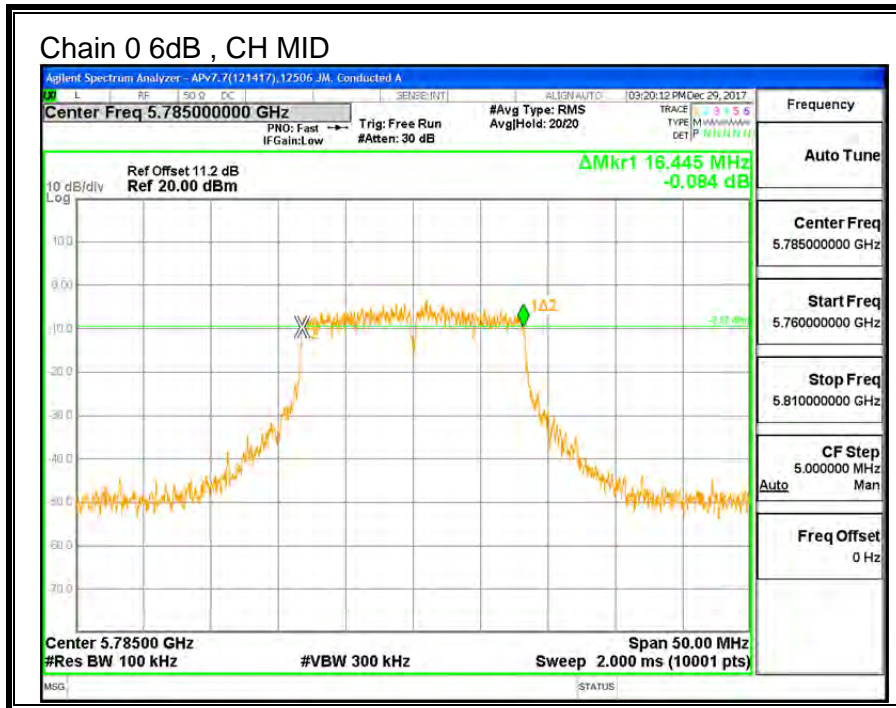
The minimum 6 dB bandwidth shall be at least 500 kHz.

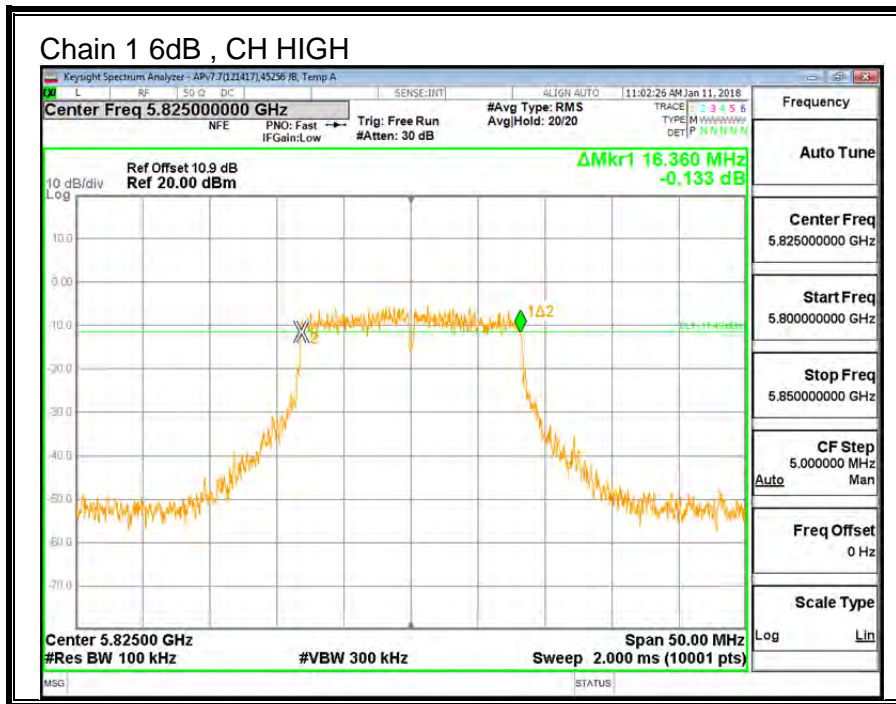
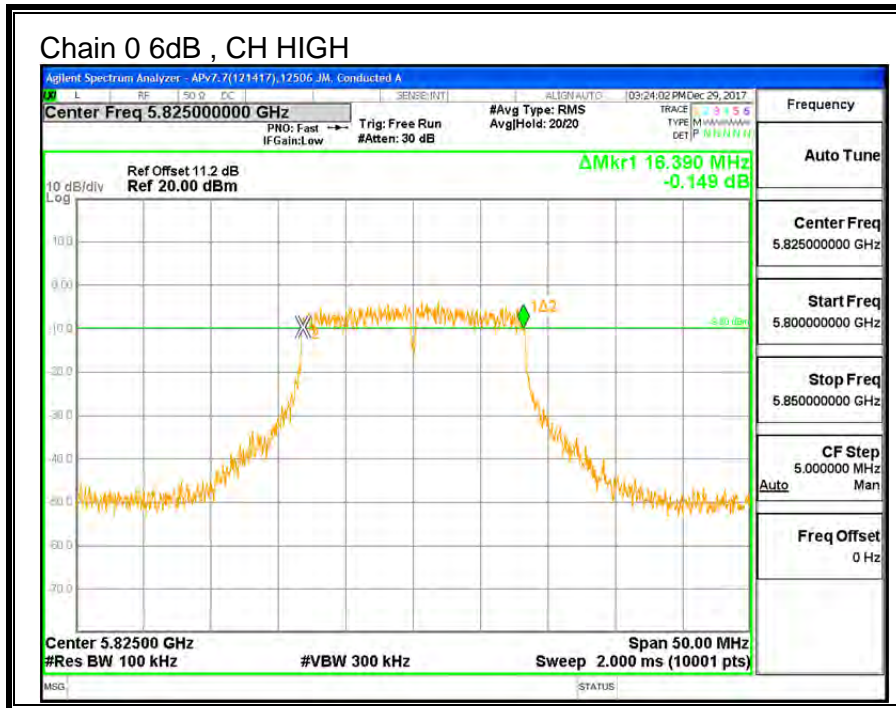
RESULTS

| Channel | Frequency | 6 dB BW Chain 0 (MHz) | 6 dB BW Chain 1 (MHz) | Minimum Limit (MHz) |
|---------|-----------|-----------------------|-----------------------|---------------------|
| 144 | 5720 | 3.250 | 3.250 | 0.5 |
| Low | 5745 | 16.290 | 16.320 | 0.5 |
| Mid | 5785 | 16.445 | 16.380 | 0.5 |
| High | 5825 | 16.390 | 16.360 | 0.5 |









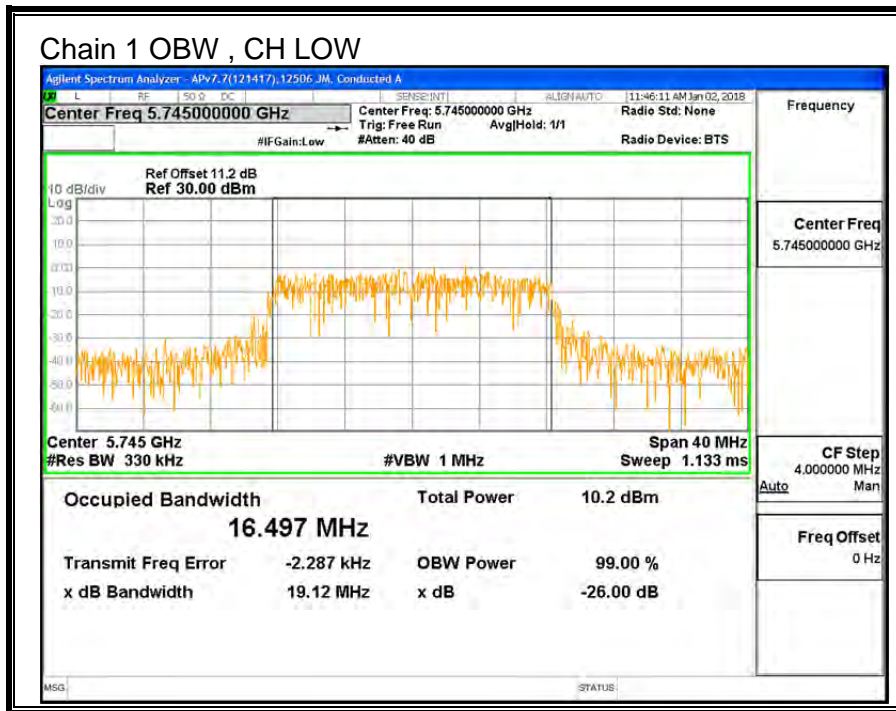
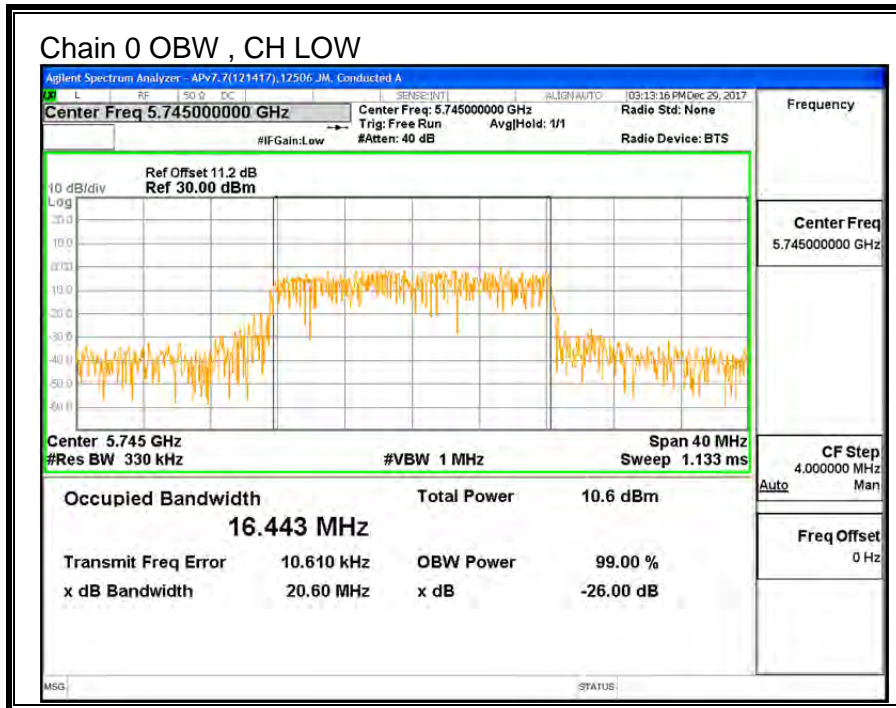
9.13.2. 99% BANDWIDTH

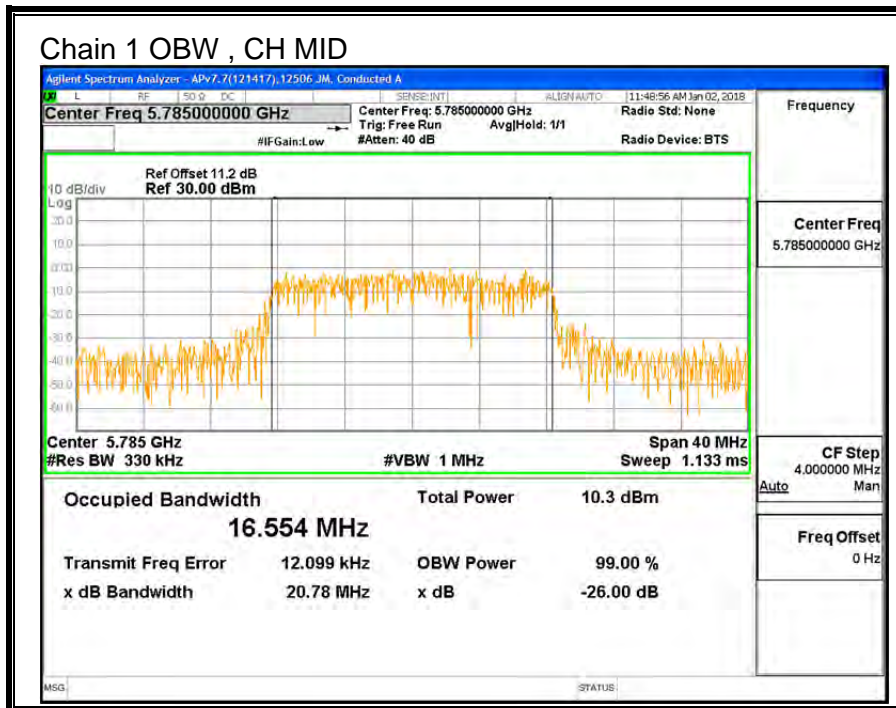
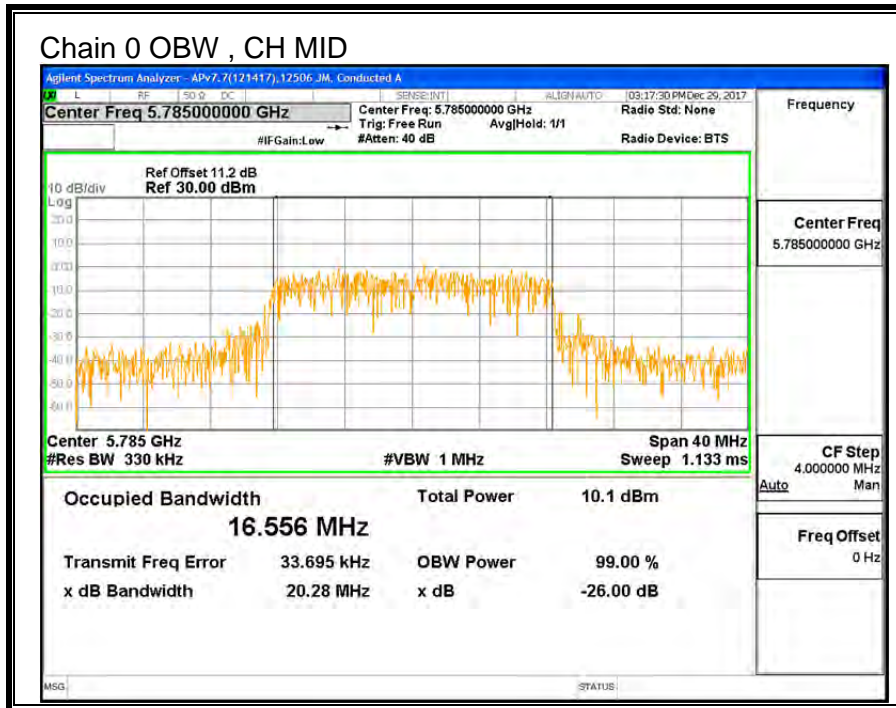
LIMITS

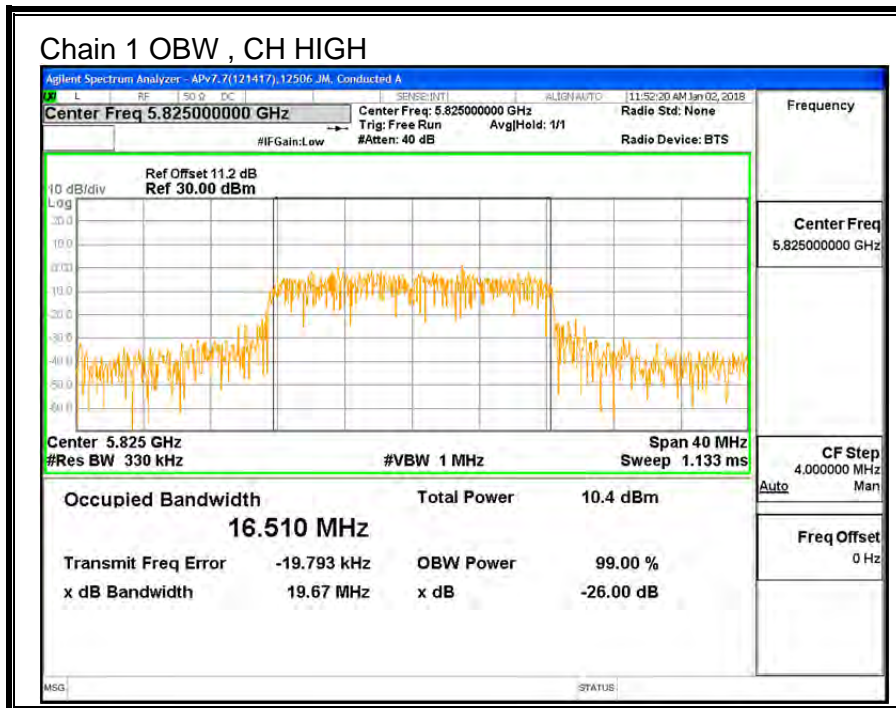
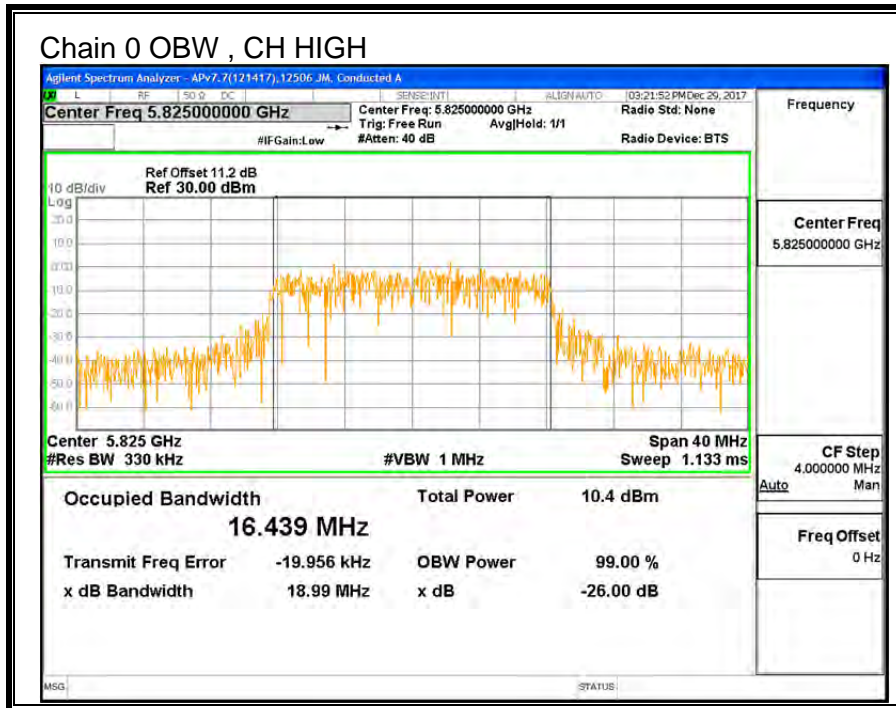
None; for reporting purposes only.

RESULTS

| Channel | Frequency | 99% BW Chain 0 (MHz) | 99% BW Chain 1 (MHz) |
|----------------|------------------|-------------------------------------|-------------------------------------|
| Low | 5745 | 16.443 | 16.497 |
| Mid | 5785 | 16.556 | 16.554 |
| High | 5825 | 16.439 | 16.510 |







9.13.3. OUTPUT POWER AND PSD

LIMITS

FCC §15.407 (a) (3)

For the band 5.725-5.85 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W. In addition, the maximum power spectral density shall not exceed 30 dBm in any 500-kHz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

TEST PROCEDURE

Measurements perform using a wideband gated RF power meter provided that the gate parameters are adjusted such that the power is measured only when the EUT is transmitting at its maximum power control level. Since the measurement is made only during the ON time of the transmitter, no duty cycle correction factor is required.

DIRECTIONAL ANTENNA GAIN

For power, the TX chains are uncorrelated and the antenna gain is unequal among the chains. The directional gain is:

5725-5850 MHz

| Chain 0 Antenna Gain (dBi) | Chain 1 Antenna Gain (dBi) | Uncorrelated Chains Directional Gain (dBi) |
|-------------------------------------|-------------------------------------|---|
| -1.40 | -5.10 | -2.87 |

For PSD the TX chains are correlated and the antenna gain is unequal among the chains. The directional gain is:

5725-5850 MHz

| Chain 0 Antenna Gain (dBi) | Chain 1 Antenna Gain (dBi) | Correlated Chains Directional Gain (dBi) |
|-------------------------------------|-------------------------------------|---|
| -1.40 | -5.10 | -0.04 |

RESULTS

| | | | |
|------------|----------|--------------|----------|
| ID: | 12506 JM | Date: | 01/08/18 |
|------------|----------|--------------|----------|

| Channel | Frequency (MHz) | Directional Gain for Power (dBi) | Directional Gain for PSD (dBi) | Power Limit (dBm) | Power Limit (dBm) |
|---------|--------------------|---|---|-------------------------|-------------------------|
| Low | 5745 | -2.87 | -0.04 | 30.00 | 30.00 |
| Mid | 5785 | -2.87 | -0.04 | 30.00 | 30.00 |
| High | 5825 | -2.87 | -0.04 | 30.00 | 30.00 |

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

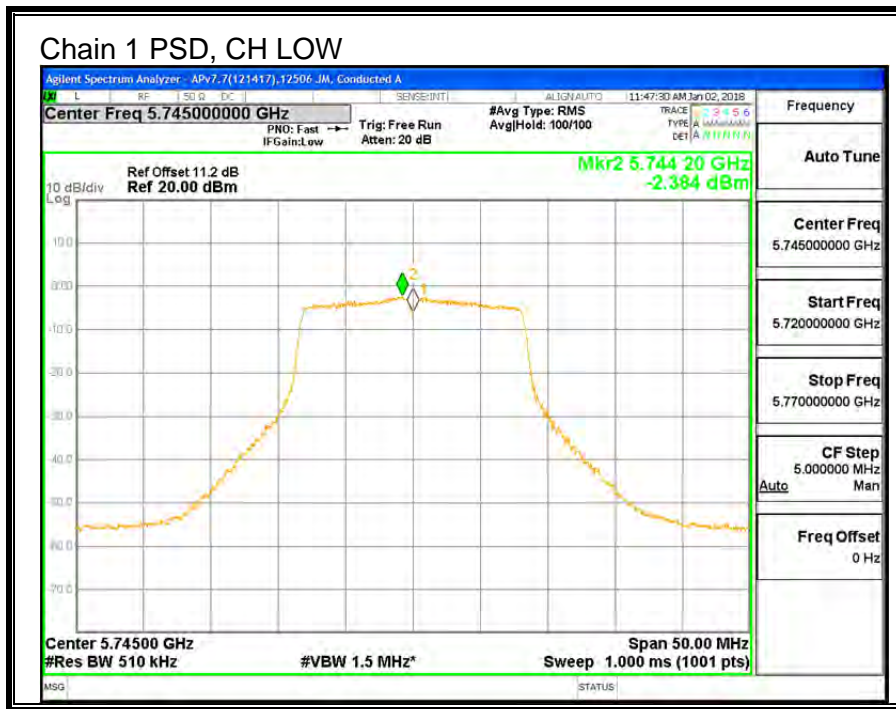
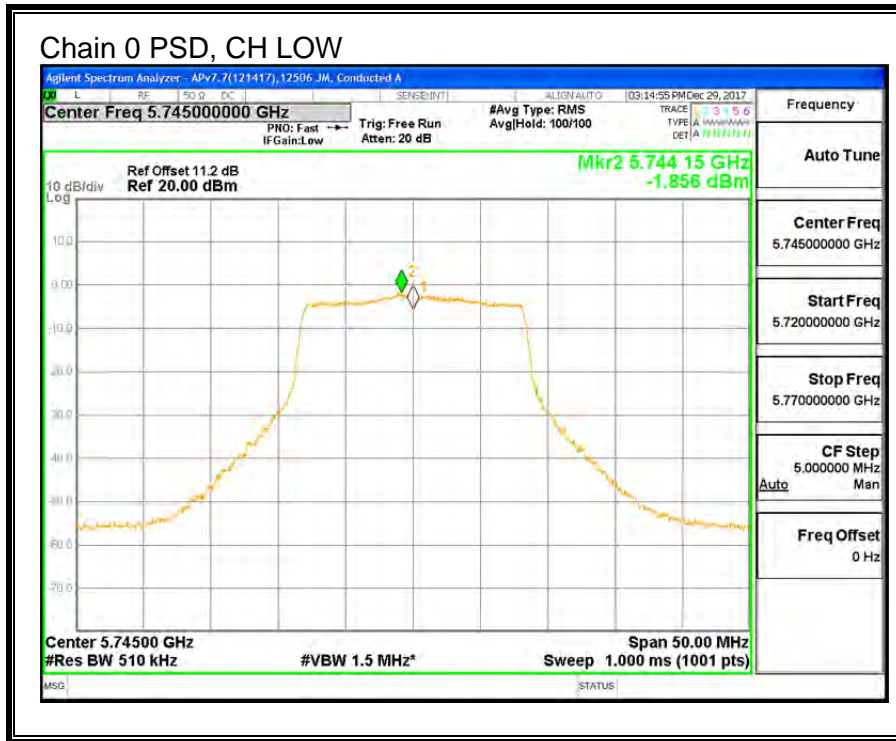
Output Power Results

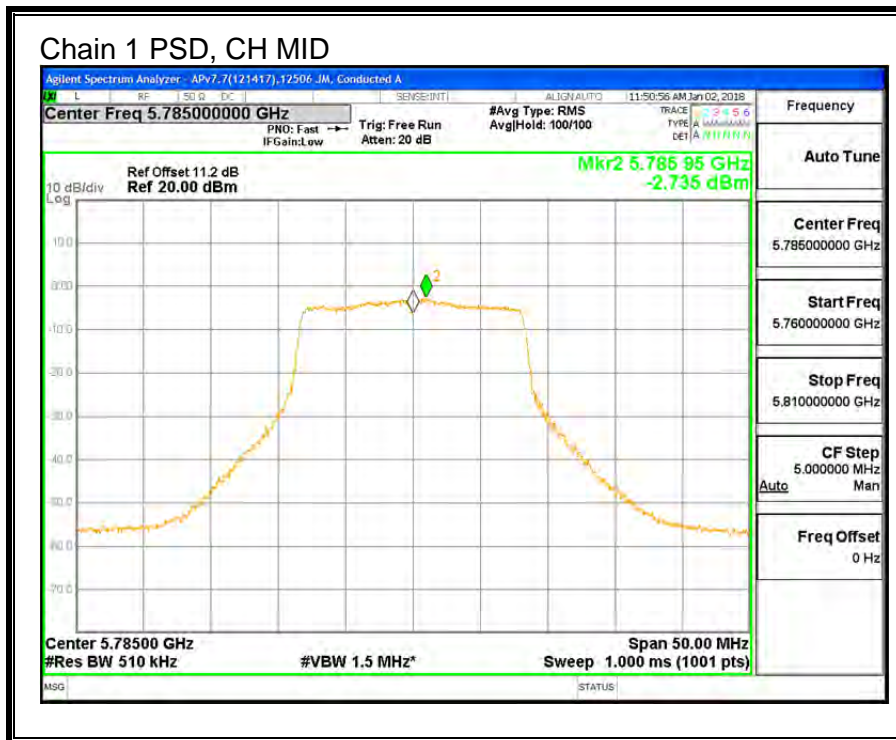
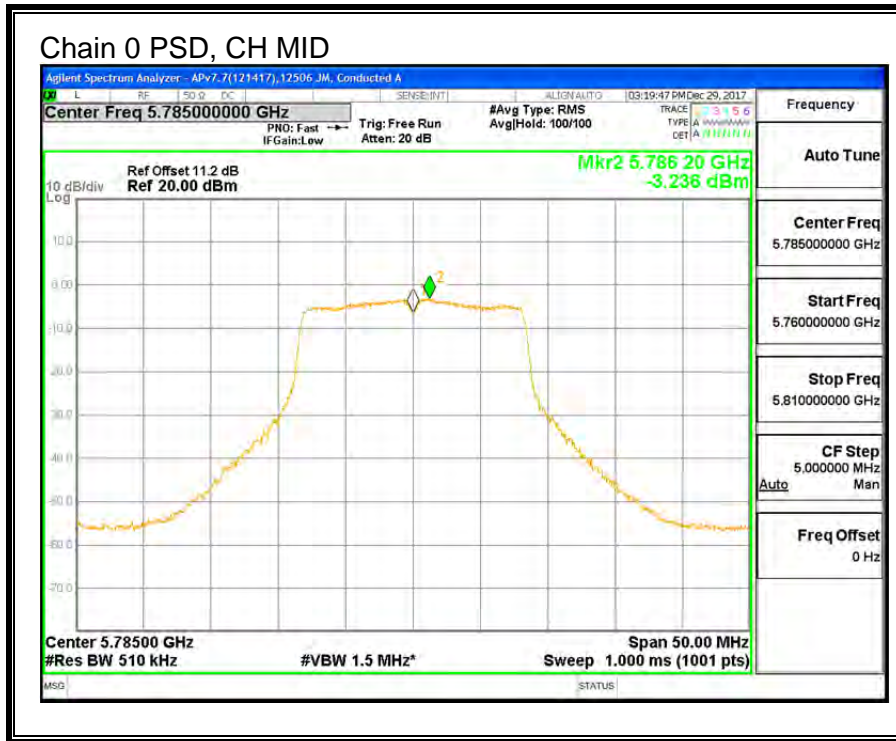
| Channel | Frequency (MHz) | Chain 0 Meas Power (dBm) | Chain 1 Meas Power (dBm) | Total Corr'd Power (dBm) | Power Limit (dBm) | Power Margin (dB) |
|---------|--------------------|-----------------------------------|-----------------------------------|-----------------------------------|-------------------------|-------------------------|
| Low | 5745 | 10.39 | 10.15 | 13.28 | 30.00 | -16.72 |
| Mid | 5785 | 10.29 | 10.21 | 13.26 | 30.00 | -16.74 |
| High | 5825 | 10.44 | 10.21 | 13.34 | 30.00 | -16.66 |

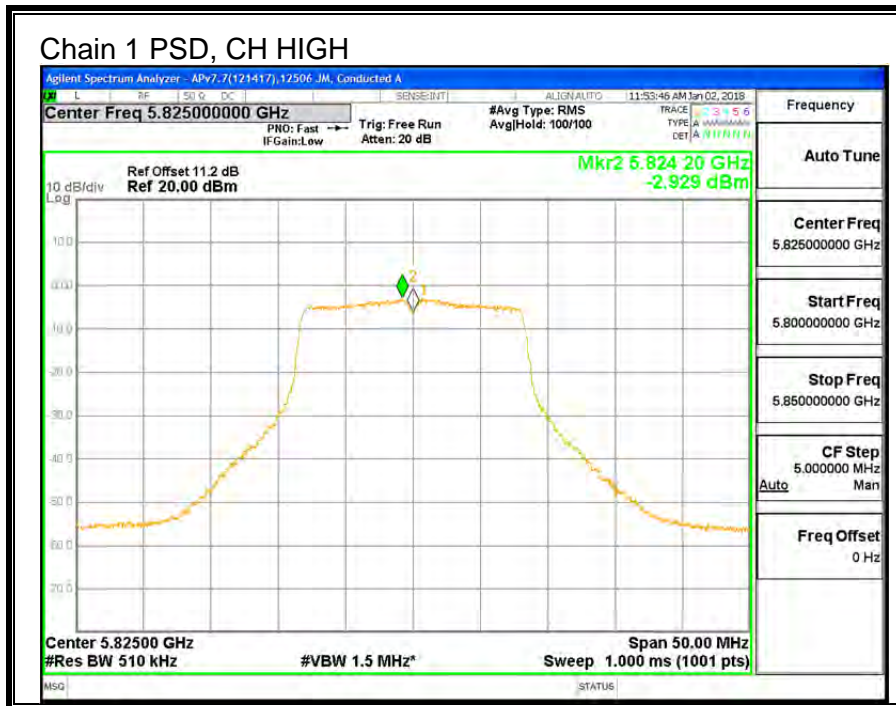
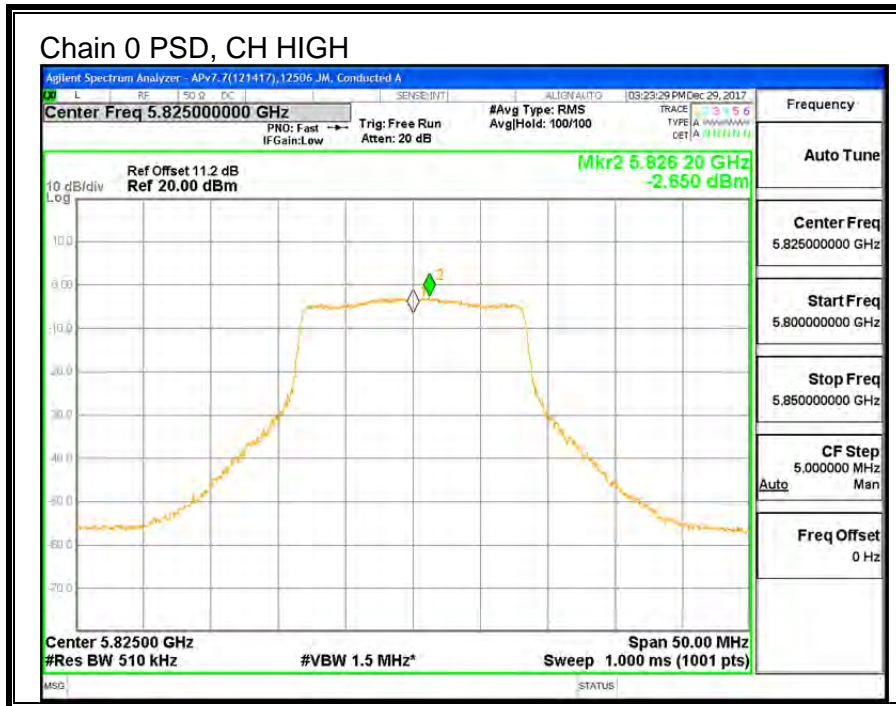
PSD Results

| Channel | Frequency (MHz) | Chain 0 Meas PSD (dBm) | Chain 1 Meas PSD (dBm) | Total Corr'd PSD (dBm) | PSD Limit (dBm) | PSD Margin (dB) |
|---------|--------------------|---------------------------------|---------------------------------|---------------------------------|-----------------------|-----------------------|
| Low | 5745 | -1.855 | -2.384 | 0.90 | 30.00 | -29.10 |
| Mid | 5785 | -3.236 | -2.735 | 0.03 | 30.00 | -29.97 |
| High | 5825 | -2.650 | -2.929 | 0.22 | 30.00 | -29.78 |

Note: the power readings above were measured with gated method, and the measurement was taken only during the ON time. No duty cycle correction was necessary.







9.14. 11n HT20 2TX CDD MIMO MODE IN THE 5.8GHz BAND

9.14.1. 6 dB BANDWIDTH

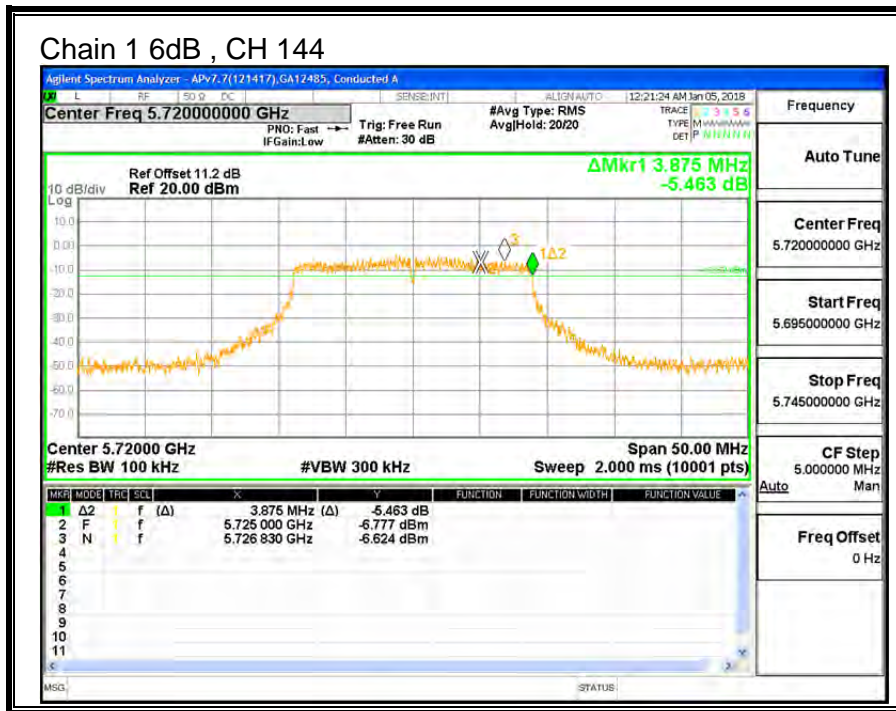
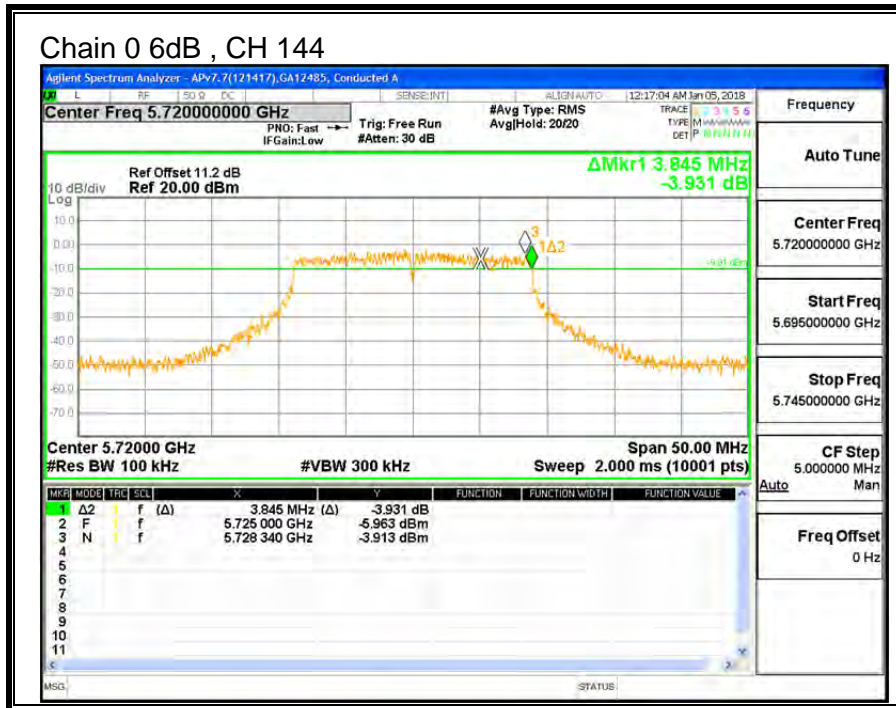
LIMITS

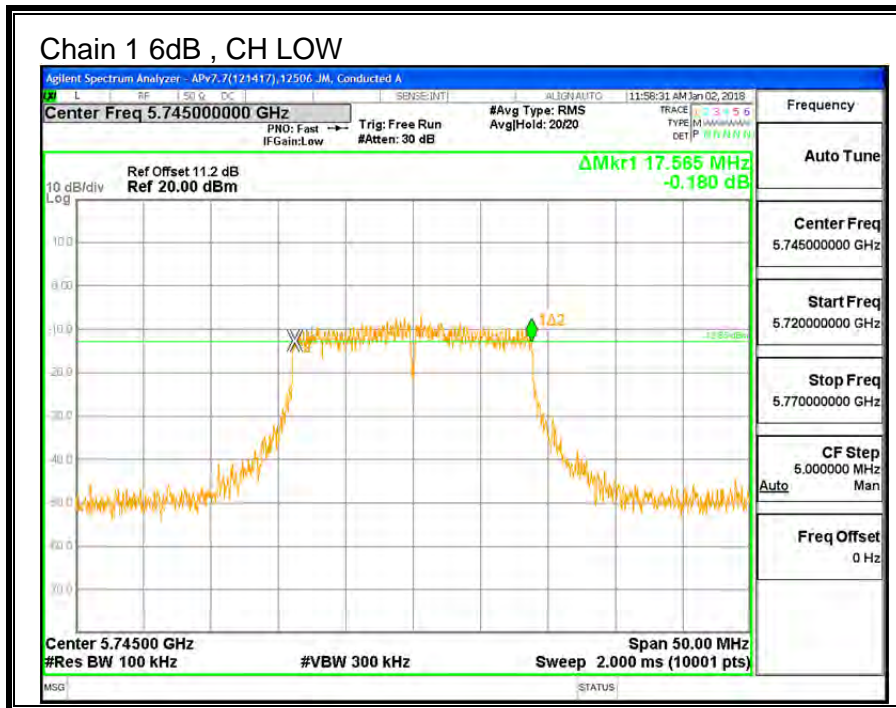
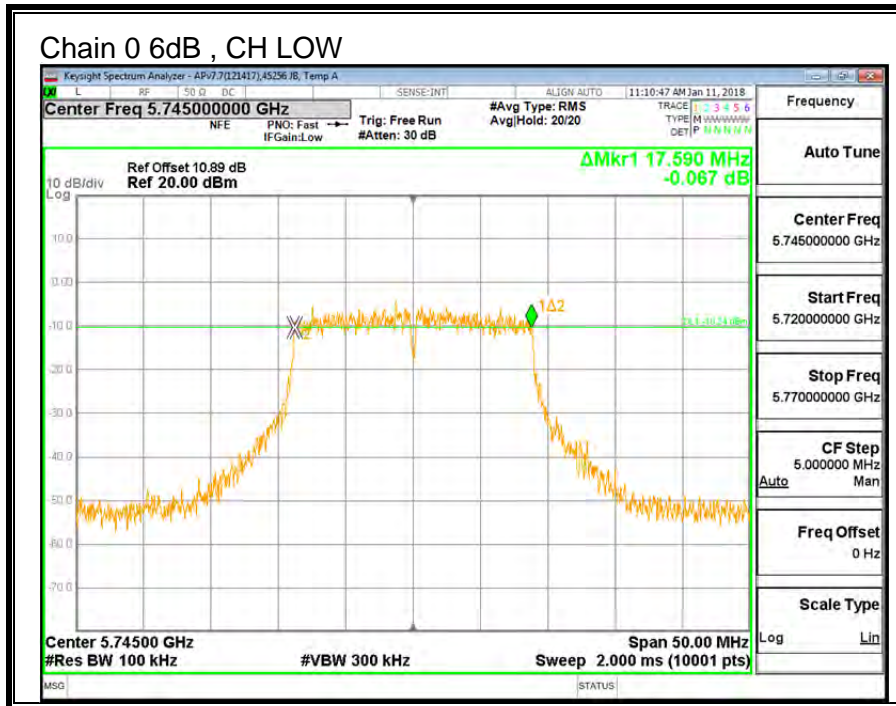
FCC §15.407 (e)

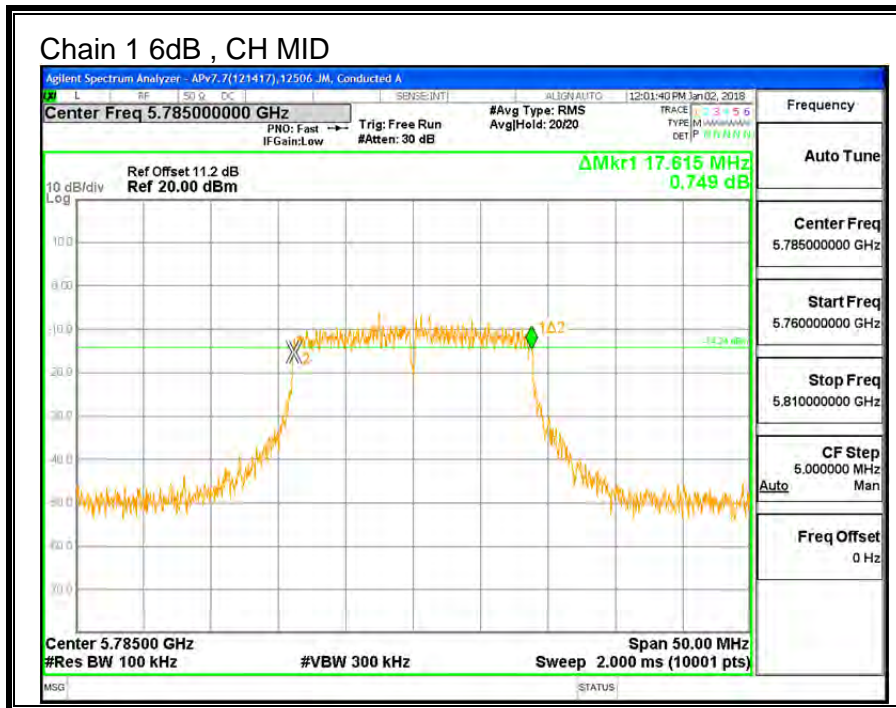
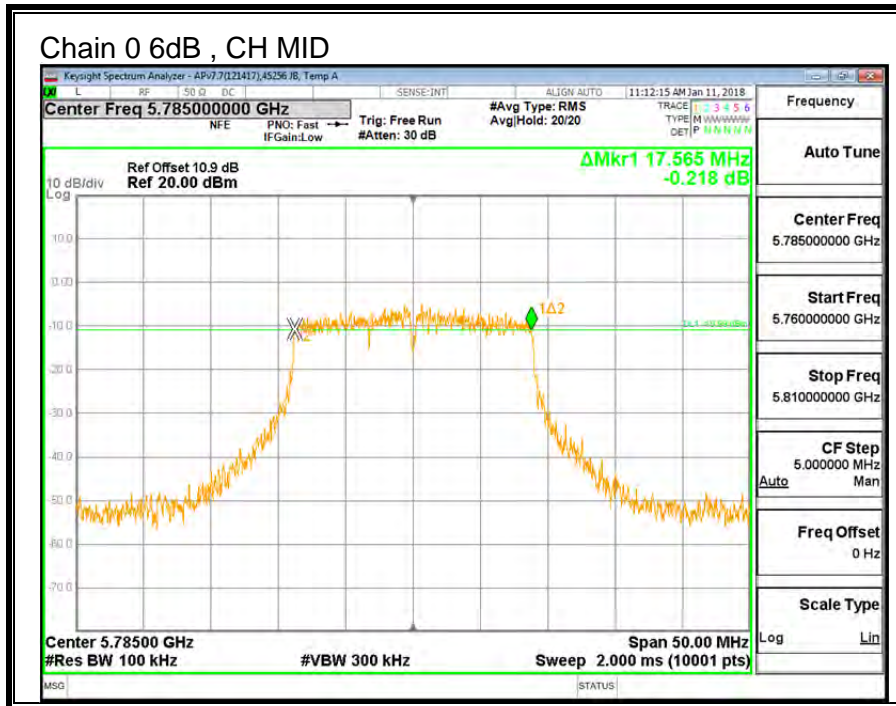
The minimum 6 dB bandwidth shall be at least 500 kHz.

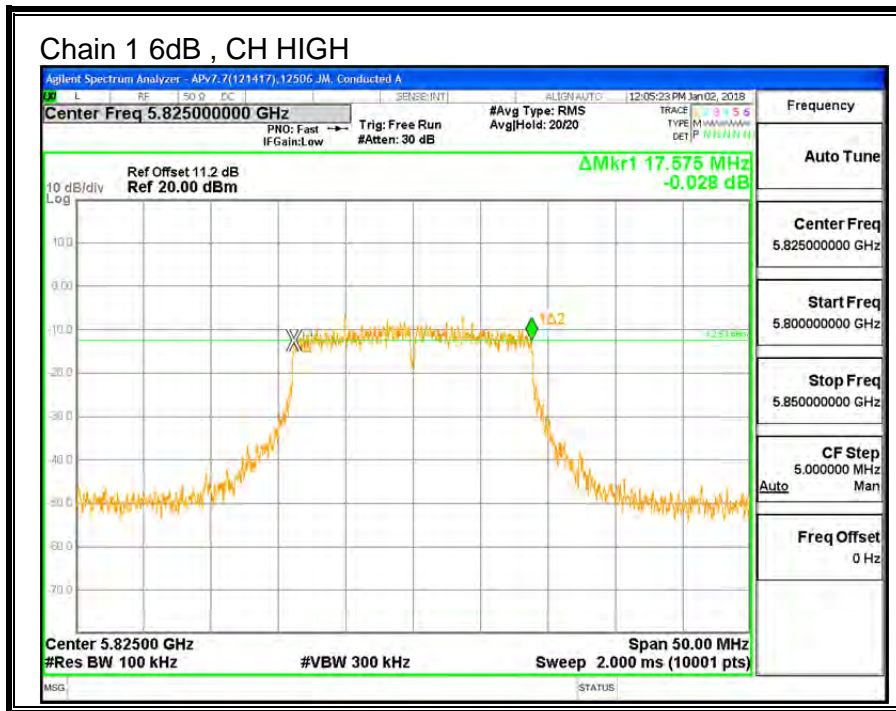
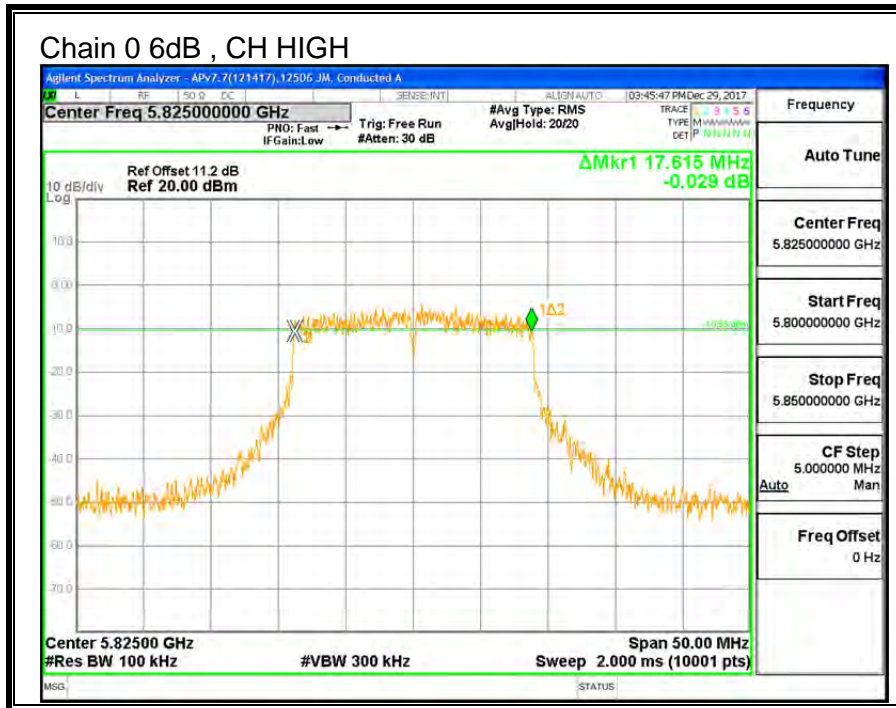
RESULTS

| Channel | Frequency | 6 dB BW Chain 0 (MHz) | 6 dB BW Chain 1 (MHz) | Minimum Limit (MHz) |
|----------------|------------------|--------------------------------------|--------------------------------------|--------------------------------|
| 144 | 5720 | 3.845 | 3.875 | 0.5 |
| Low | 5745 | 17.590 | 17.565 | 0.5 |
| Mid | 5785 | 17.565 | 17.615 | 0.5 |
| High | 5825 | 17.615 | 17.575 | 0.5 |









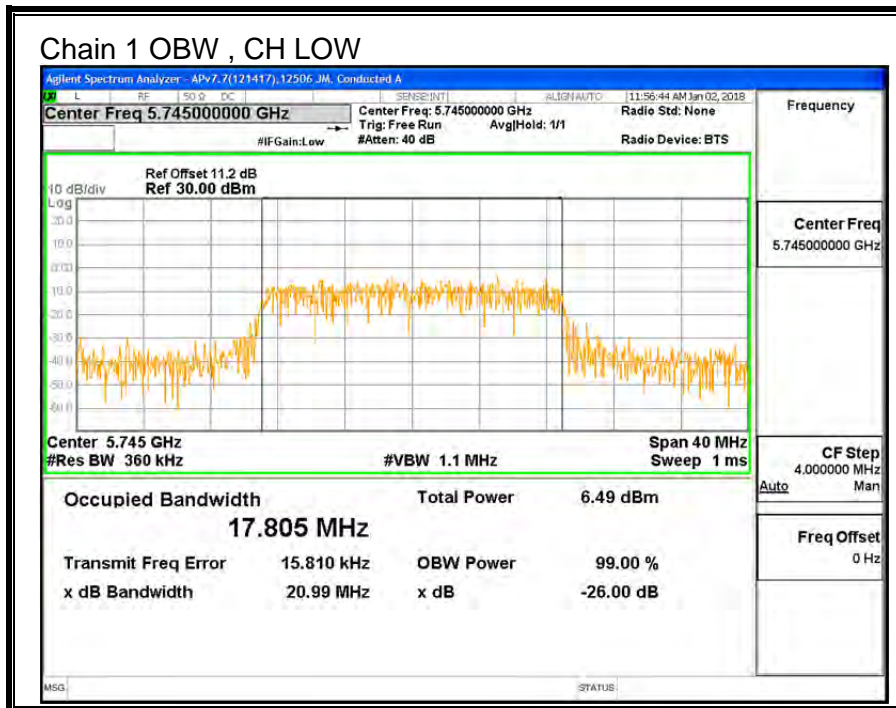
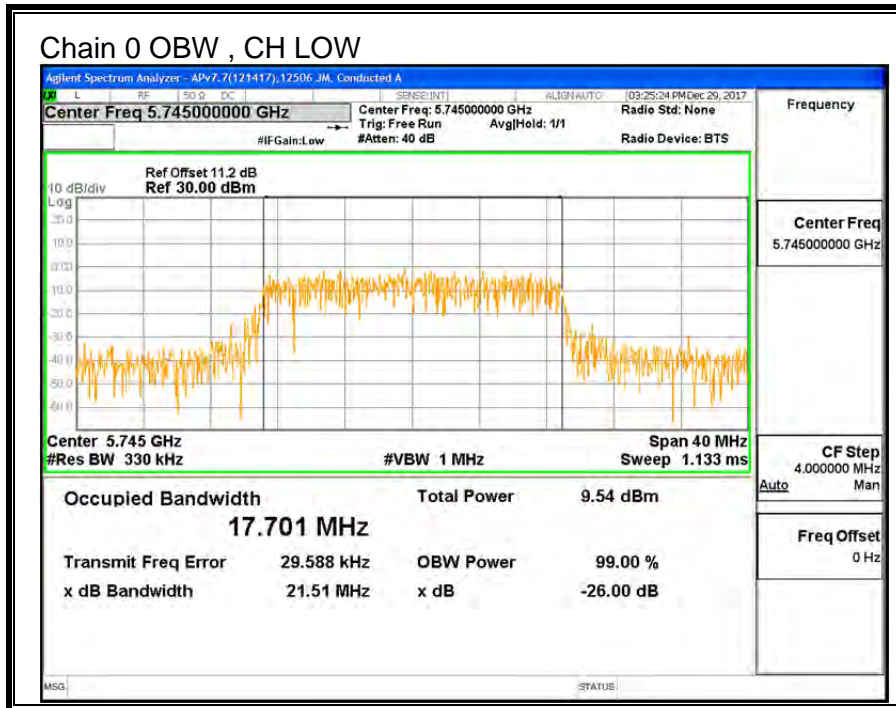
9.14.2. 99% BANDWIDTH

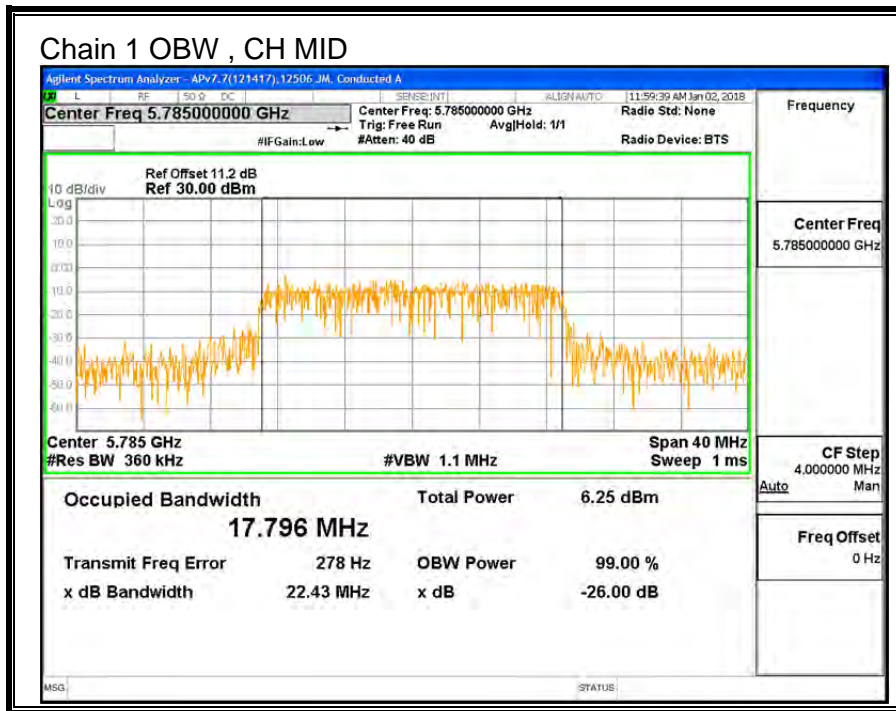
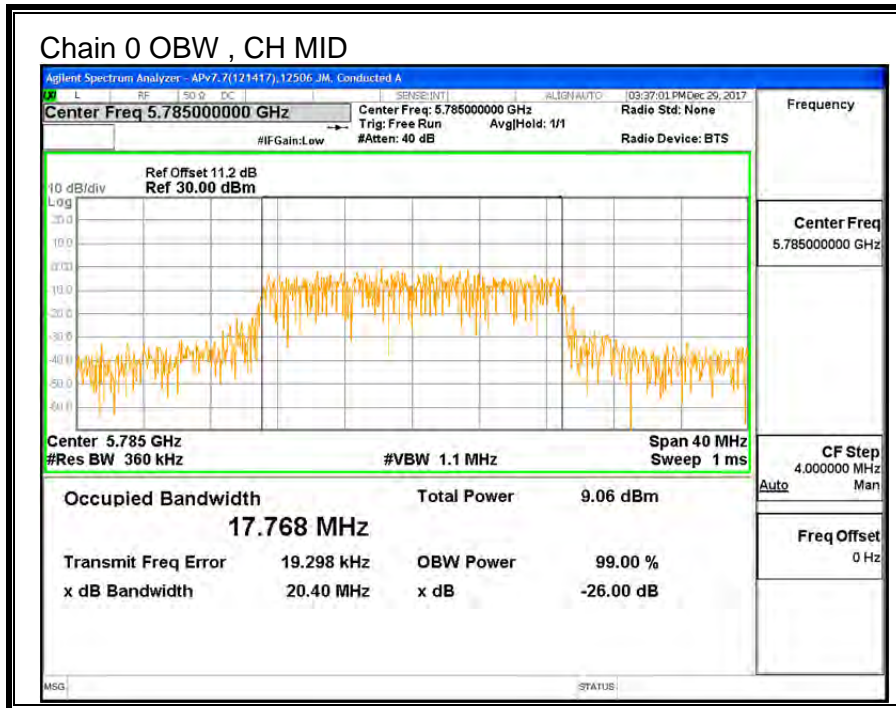
LIMITS

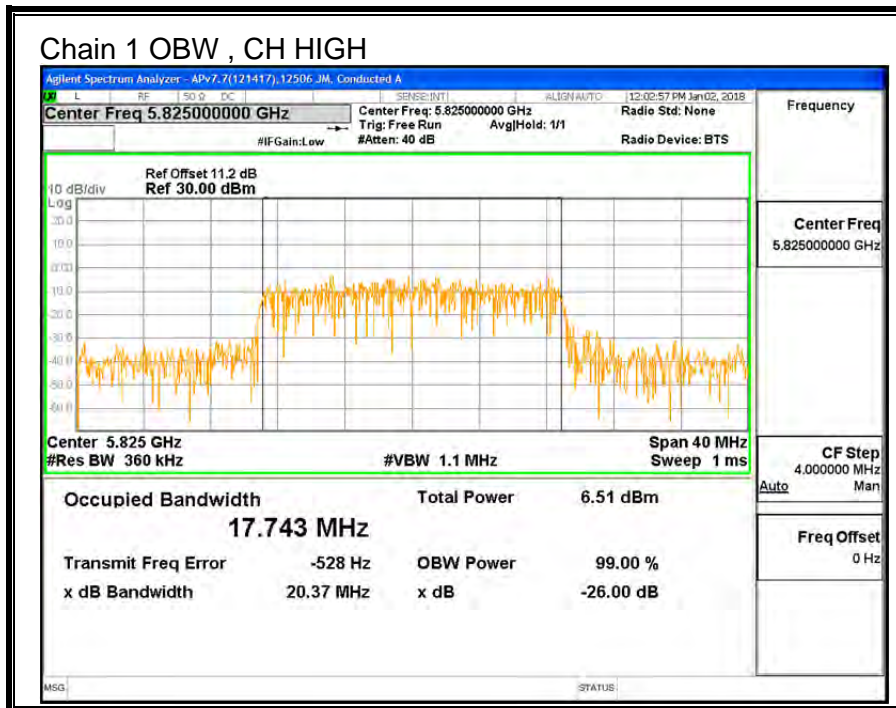
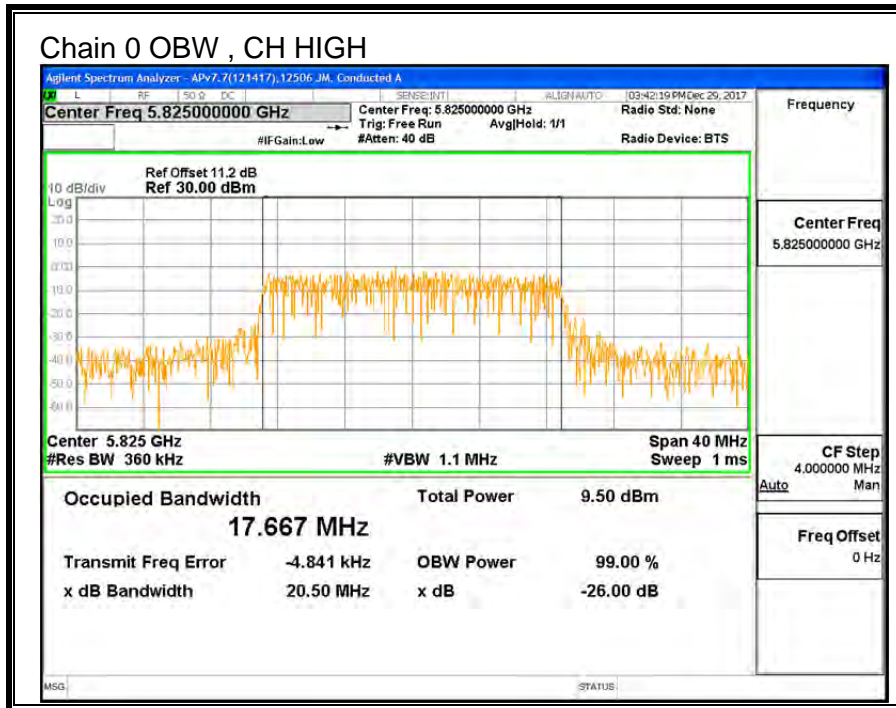
None; for reporting purposes only.

RESULTS

| Channel | Frequency | 99% BW Chain 0 (MHz) | 99% BW Chain 1 (MHz) |
|----------------|------------------|-------------------------------------|-------------------------------------|
| Low | 5745 | 17.701 | 17.805 |
| Mid | 5785 | 17.768 | 17.796 |
| High | 5825 | 17.667 | 17.743 |







9.14.3. OUTPUT POWER AND PSD

LIMITS

FCC §15.407 (a) (3)

For the band 5.725-5.85 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W. In addition, the maximum power spectral density shall not exceed 30 dBm in any 500-kHz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

TEST PROCEDURE

Measurements perform using a wideband gated RF power meter provided that the gate parameters are adjusted such that the power is measured only when the EUT is transmitting at its maximum power control level. Since the measurement is made only during the ON time of the transmitter, no duty cycle correction factor is required.

DIRECTIONAL ANTENNA GAIN

For power, the TX chains are uncorrelated and the antenna gain is unequal among the chains. The directional gain is:

5725-5850 MHz

| Chain 0 Antenna Gain (dBi) | Chain 1 Antenna Gain (dBi) | Uncorrelated Chains Directional Gain (dBi) |
|-------------------------------------|-------------------------------------|---|
| -1.40 | -5.10 | -2.87 |

For PSD the TX chains are correlated and the antenna gain is unequal among the chains. The directional gain is:

5725-5850 MHz

| Chain 0 Antenna Gain (dBi) | Chain 1 Antenna Gain (dBi) | Correlated Chains Directional Gain (dBi) |
|-------------------------------------|-------------------------------------|---|
| -1.40 | -5.10 | -0.04 |

RESULTS

| | | | |
|------------|----------|--------------|----------|
| ID: | 12506 JM | Date: | 01/08/18 |
|------------|----------|--------------|----------|

Antenna Gain and Limit

| Channel | Frequency (MHz) | Directional Gain for Power (dBi) | Directional Gain for PSD (dBi) | Power Limit (dBm) | Power Limit (dBm) |
|---------|-----------------|----------------------------------|--------------------------------|-------------------|-------------------|
| Low | 5745 | -2.87 | -0.04 | 30.00 | 30.00 |
| Mid | 5785 | -2.87 | -0.04 | 30.00 | 30.00 |
| High | 5825 | -2.87 | -0.04 | 30.00 | 30.00 |

| | | |
|---------------------------|------|---|
| Duty Cycle CF (dB) | 0.14 | Included in Calculations of Corr'd PSD |
|---------------------------|------|---|

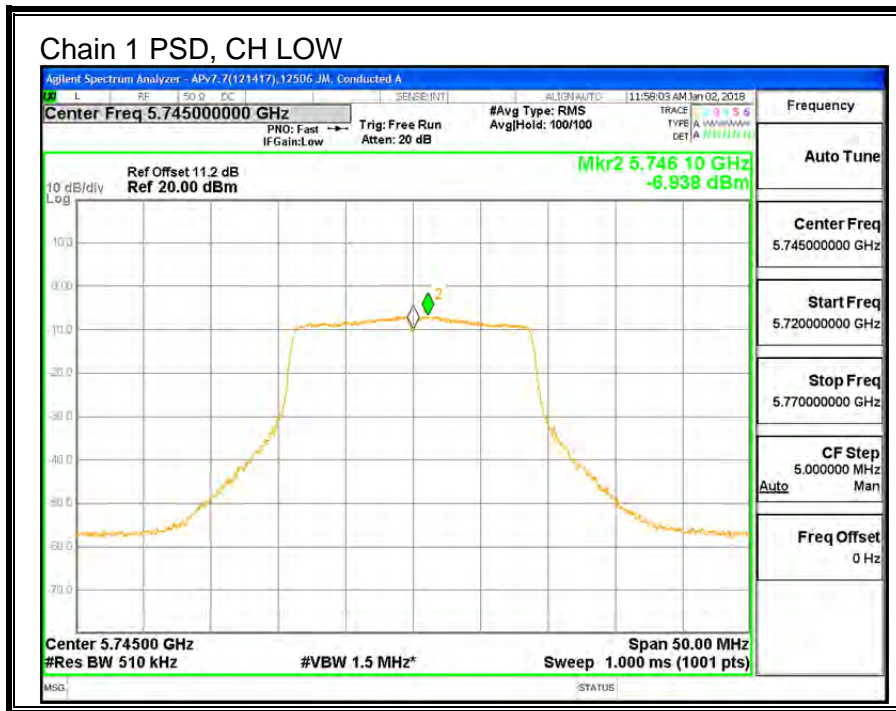
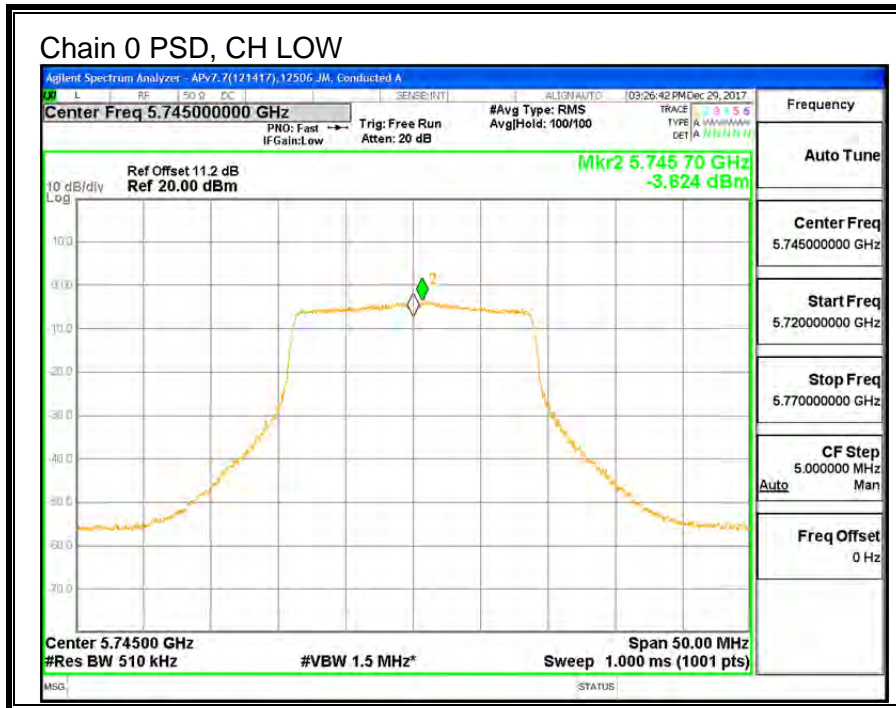
Output Power Results

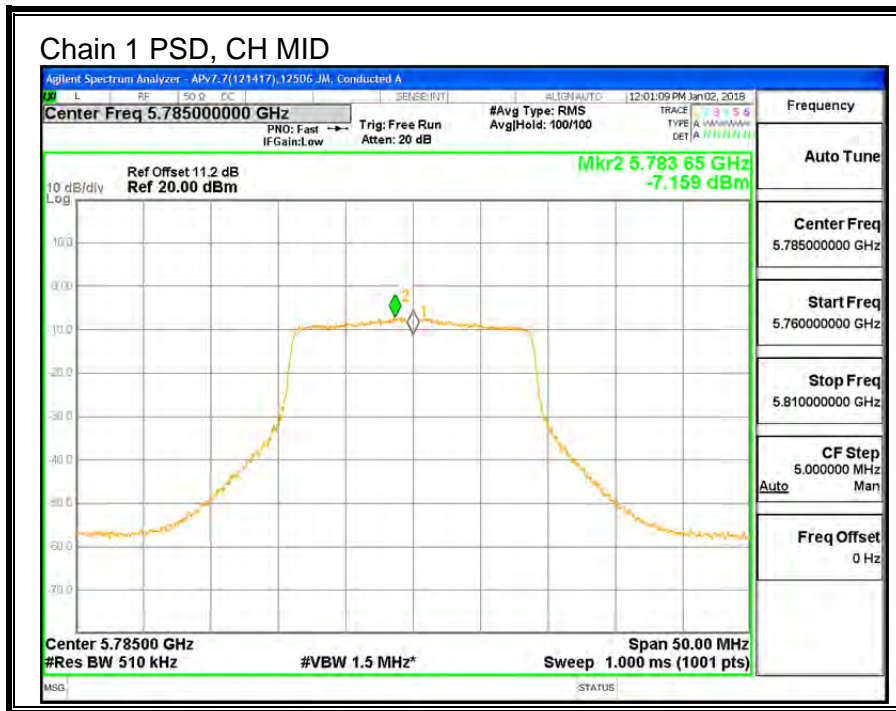
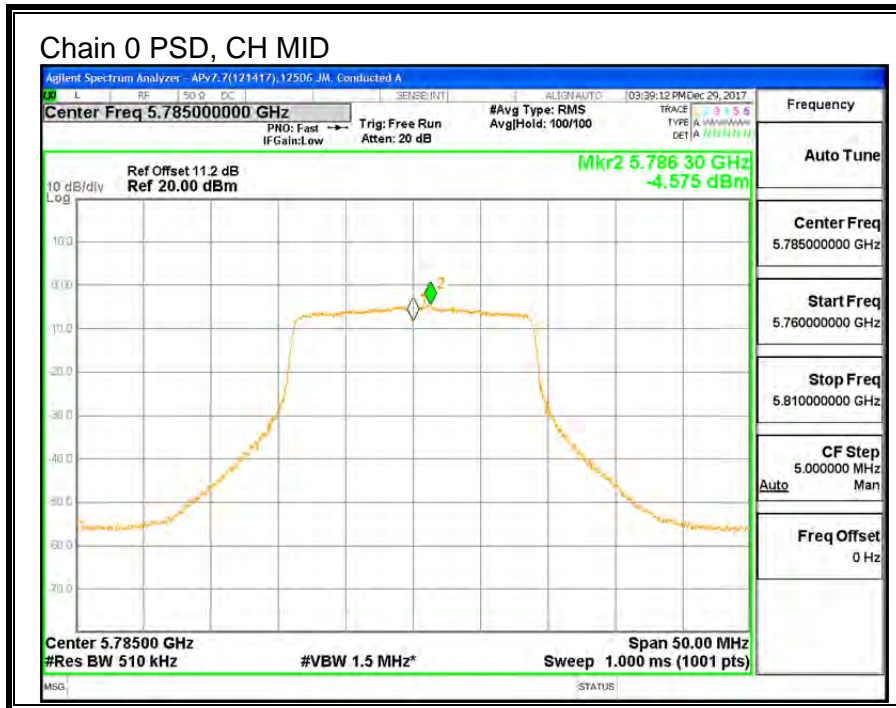
| Channel | Frequency (MHz) | Chain 0 Meas Power (dBm) | Chain 1 Meas Power (dBm) | Total Corr'd Power (dBm) | Power Limit (dBm) | Power Margin (dB) |
|---------|-----------------|--------------------------|--------------------------|--------------------------|-------------------|-------------------|
| Low | 5745 | 9.37 | 6.38 | 11.14 | 30.00 | -18.86 |
| Mid | 5785 | 9.23 | 6.51 | 11.09 | 30.00 | -18.91 |
| High | 5825 | 9.41 | 6.47 | 11.19 | 30.00 | -18.81 |

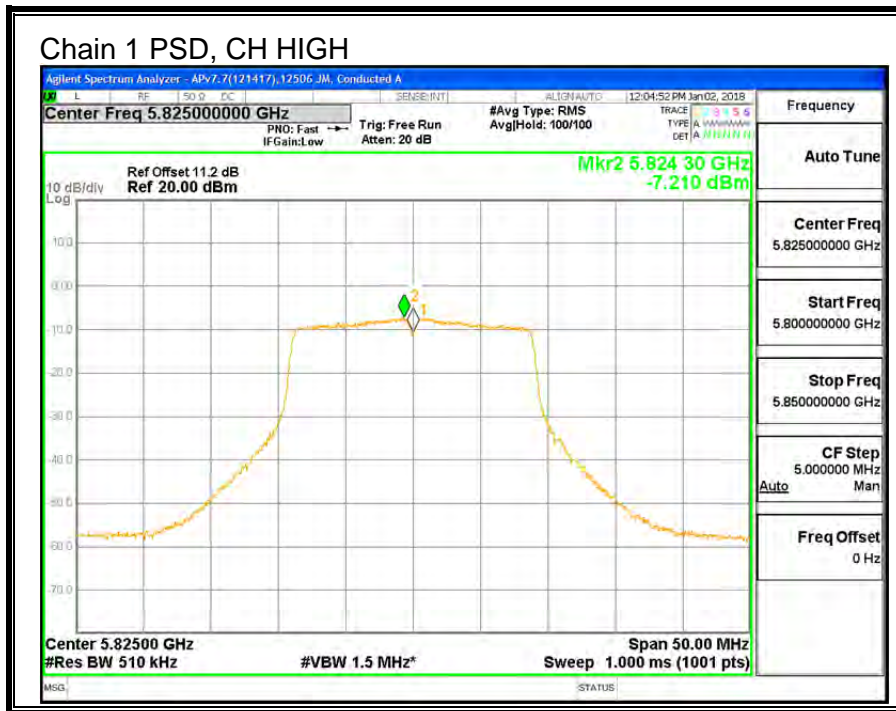
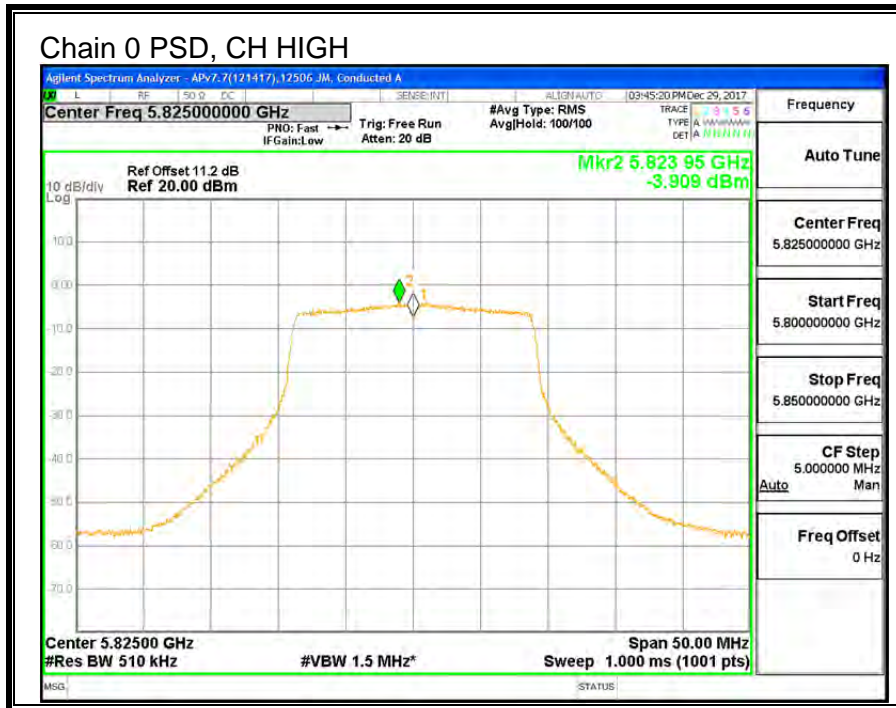
PSD Results

| Channel | Frequency (MHz) | Chain 0 Meas PSD (dBm) | Chain 1 Meas PSD (dBm) | Total Corr'd PSD (dBm) | PSD Limit (dBm) | PSD Margin (dB) |
|---------|-----------------|------------------------|------------------------|------------------------|-----------------|-----------------|
| Low | 5745 | -3.624 | -6.938 | -1.82 | 30.00 | -31.82 |
| Mid | 5785 | -4.575 | -7.159 | -2.53 | 30.00 | -32.53 |
| High | 5825 | -3.909 | -7.210 | -2.10 | 30.00 | -32.10 |

Note: the power readings above were measured with gated method, and the measurement was taken only during the ON time. No duty cycle correction was necessary.







9.15. 11n HT40 2TX CDD MIMO MODE IN THE 5.8GHz BAND

9.15.1. 6 dB BANDWIDTH

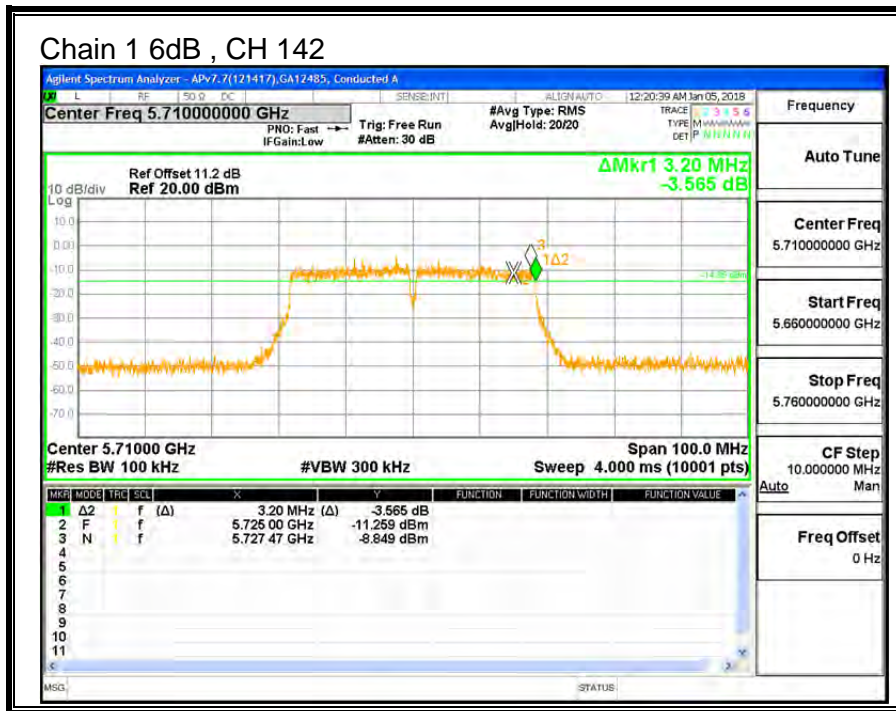
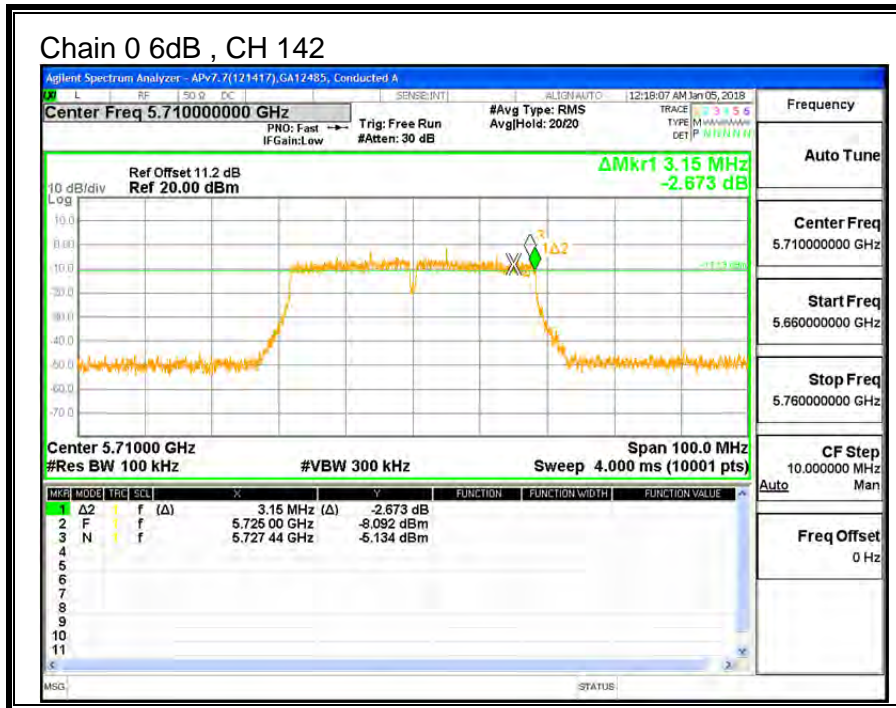
LIMITS

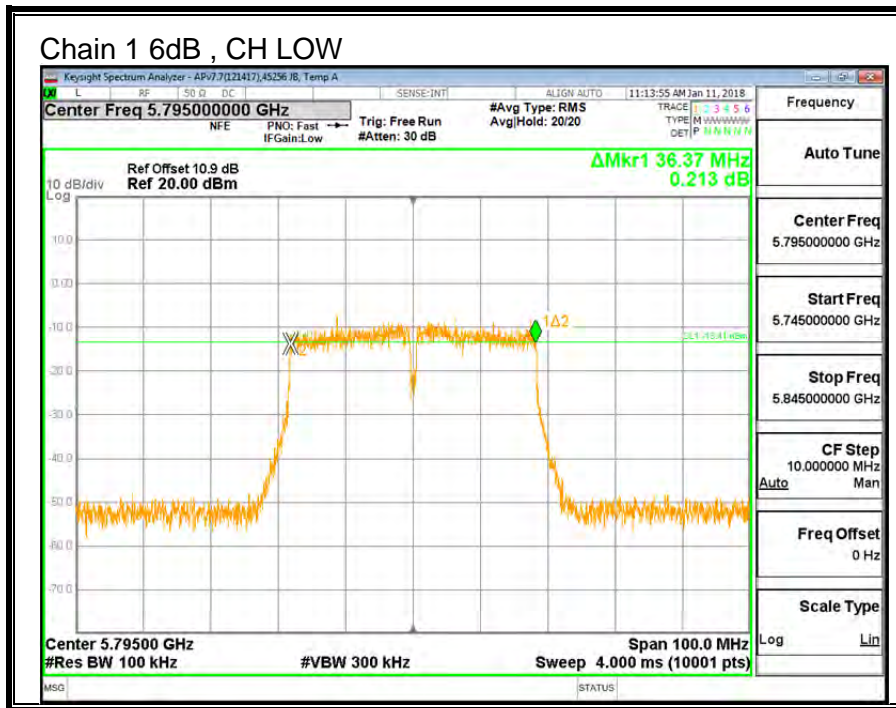
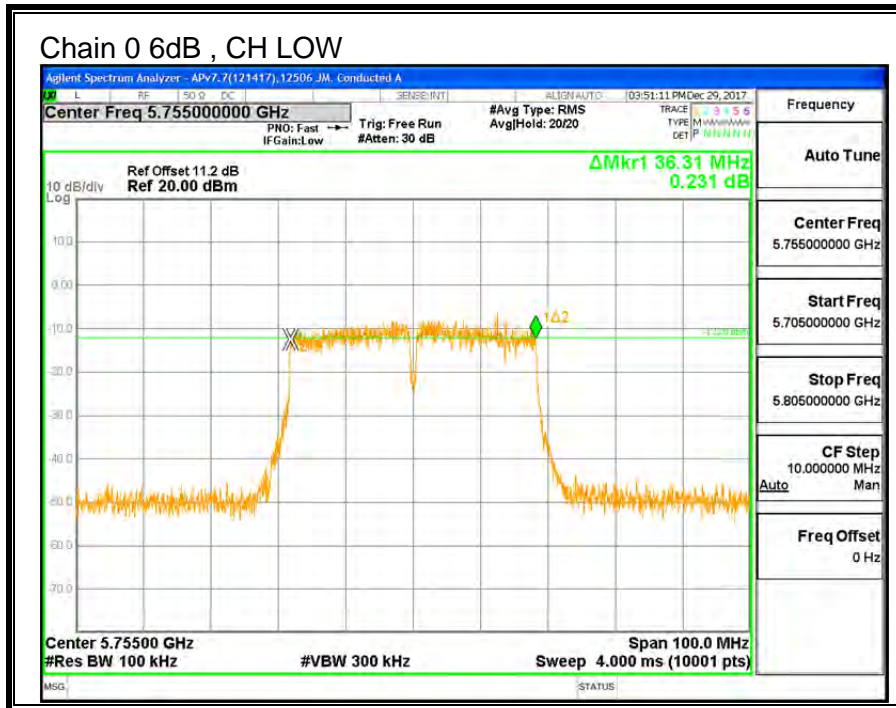
FCC §15.407 (e)

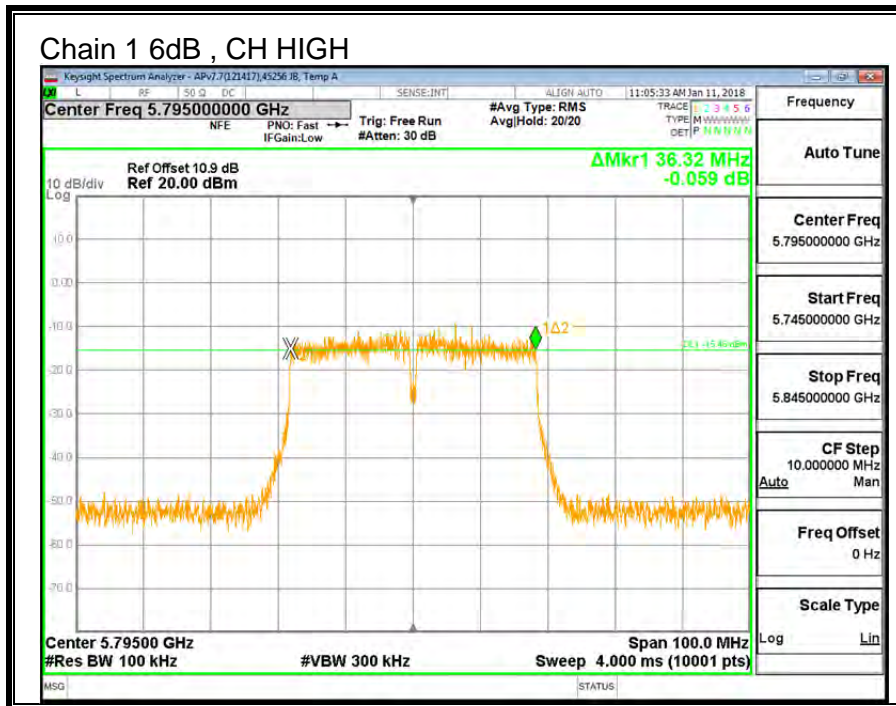
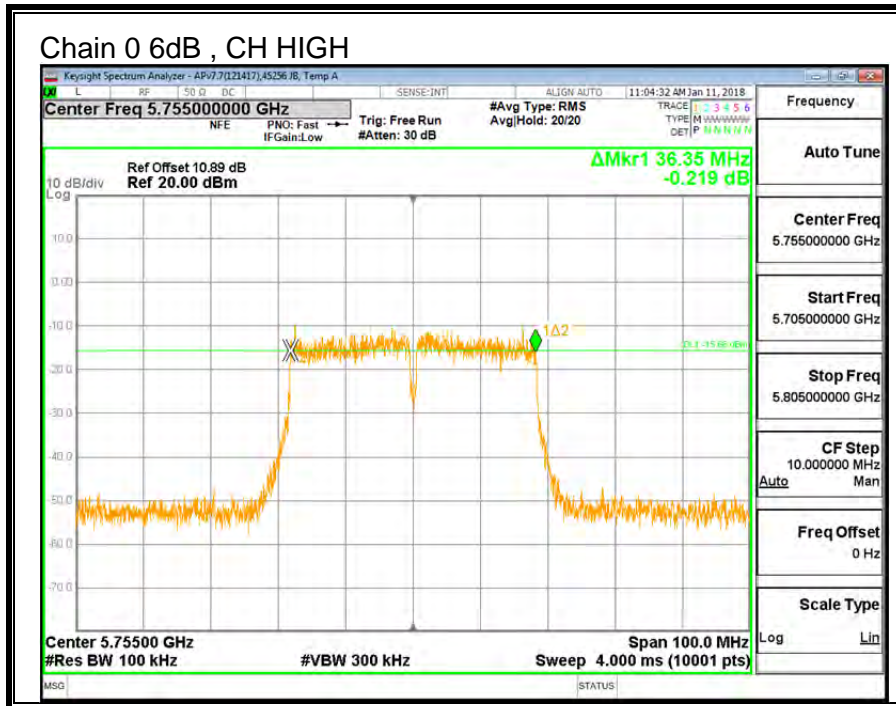
The minimum 6 dB bandwidth shall be at least 500 kHz.

RESULTS

| Channel | Frequency | 6 dB BW Chain 0 (MHz) | 6 dB BW Chain 1 (MHz) | Minimum Limit (MHz) |
|----------------|------------------|--------------------------------------|--------------------------------------|--------------------------------|
| 142 | 5710 | 3.15 | 3.20 | 0.5 |
| Low | 5755 | 36.31 | 36.37 | 0.5 |
| High | 5795 | 36.35 | 36.32 | 0.5 |







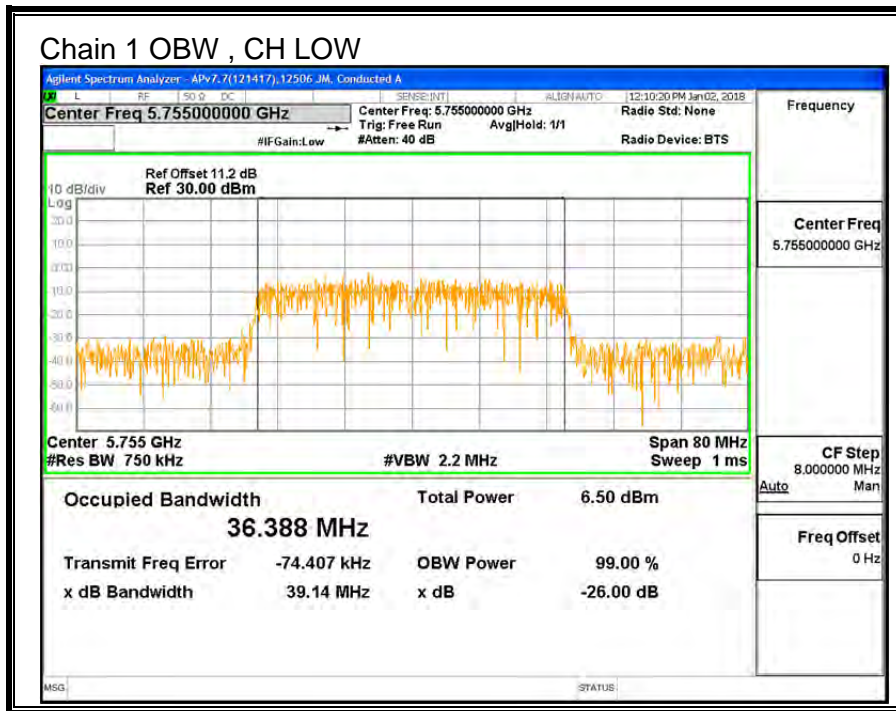
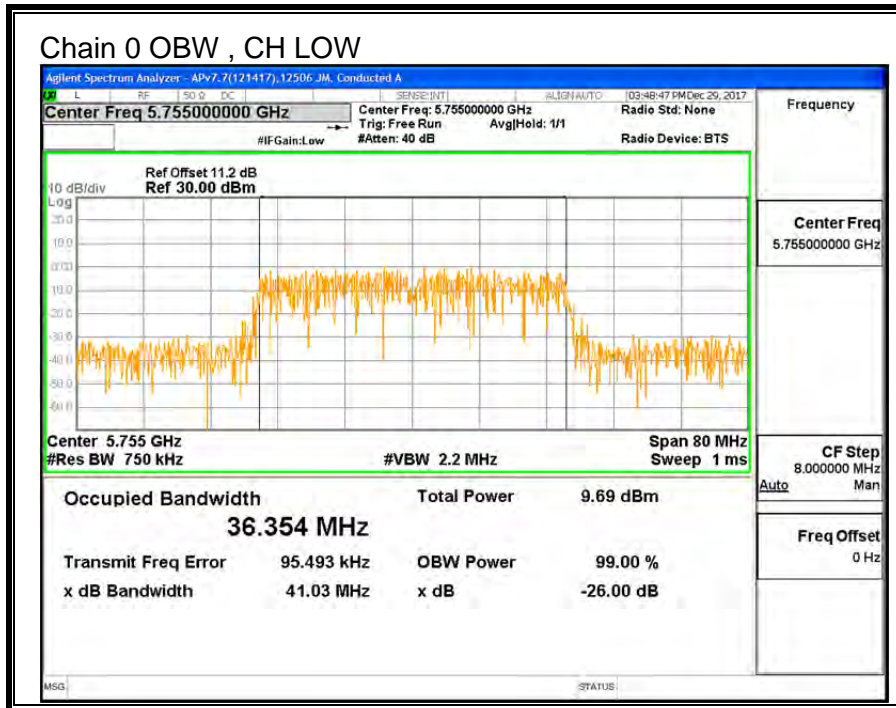
9.15.2. 99% BANDWIDTH

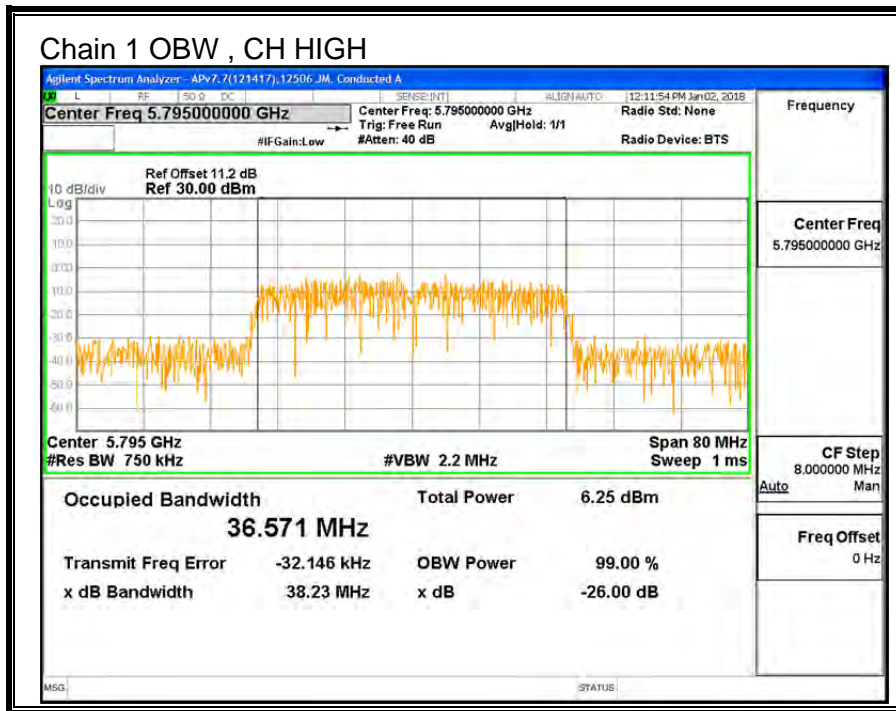
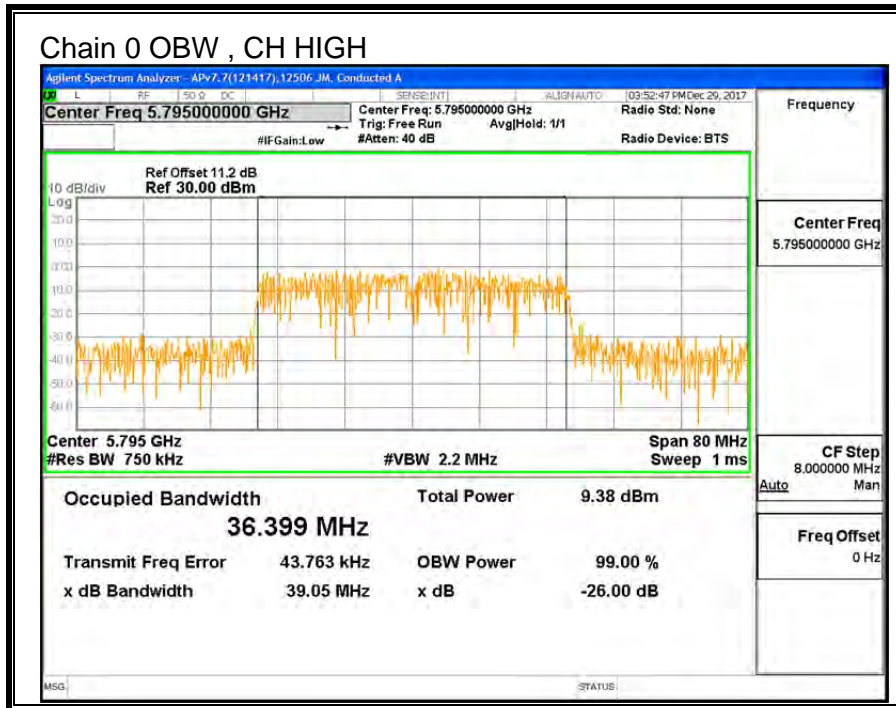
LIMITS

None; for reporting purposes only.

RESULTS

| Channel | Frequency | 99% BW Chain 0 (MHz) | 99% BW Chain 1 (MHz) |
|----------------|------------------|-------------------------------------|-------------------------------------|
| Low | 5755 | 36.354 | 36.388 |
| High | 5795 | 36.399 | 36.571 |





9.15.3. OUTPUT POWER AND PSD

LIMITS

FCC §15.407 (a) (3)

For the band 5.725-5.85 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W. In addition, the maximum power spectral density shall not exceed 30 dBm in any 500-kHz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

TEST PROCEDURE

Measurements perform using a wideband gated RF power meter provided that the gate parameters are adjusted such that the power is measured only when the EUT is transmitting at its maximum power control level. Since the measurement is made only during the ON time of the transmitter, no duty cycle correction factor is required.

DIRECTIONAL ANTENNA GAIN

For power, the TX chains are uncorrelated and the antenna gain is unequal among the chains. The directional gain is:

5725-5850 MHz

| Chain 0 Antenna Gain (dBi) | Chain 1 Antenna Gain (dBi) | Uncorrelated Chains Directional Gain (dBi) |
|-------------------------------------|-------------------------------------|---|
| -1.40 | -5.10 | -2.87 |

For PSD the TX chains are correlated and the antenna gain is unequal among the chains. The directional gain is:

5725-5850 MHz

| Chain 0 Antenna Gain (dBi) | Chain 1 Antenna Gain (dBi) | Correlated Chains Directional Gain (dBi) |
|-------------------------------------|-------------------------------------|---|
| -1.40 | -5.10 | -0.04 |

RESULTS

| | | | |
|------------|----------|--------------|----------|
| ID: | 12506 JM | Date: | 01/08/18 |
|------------|----------|--------------|----------|

Antenna Gain and Limit

| Channel | Frequency (MHz) | Directional Gain For Power (dBi) | Directional Gain For PSD (dBi) | Power Limit (dBm) | Power Limit (dBm) |
|---------|--------------------|---|---|-------------------------|-------------------------|
| Low | 5755 | -2.87 | -0.04 | 30.00 | 30.00 |
| High | 5795 | -2.87 | -0.04 | 30.00 | 30.00 |

| | | |
|---------------------------|------|---|
| Duty Cycle CF (dB) | 0.48 | Included in Calculations of Corr'd PSD |
|---------------------------|------|---|

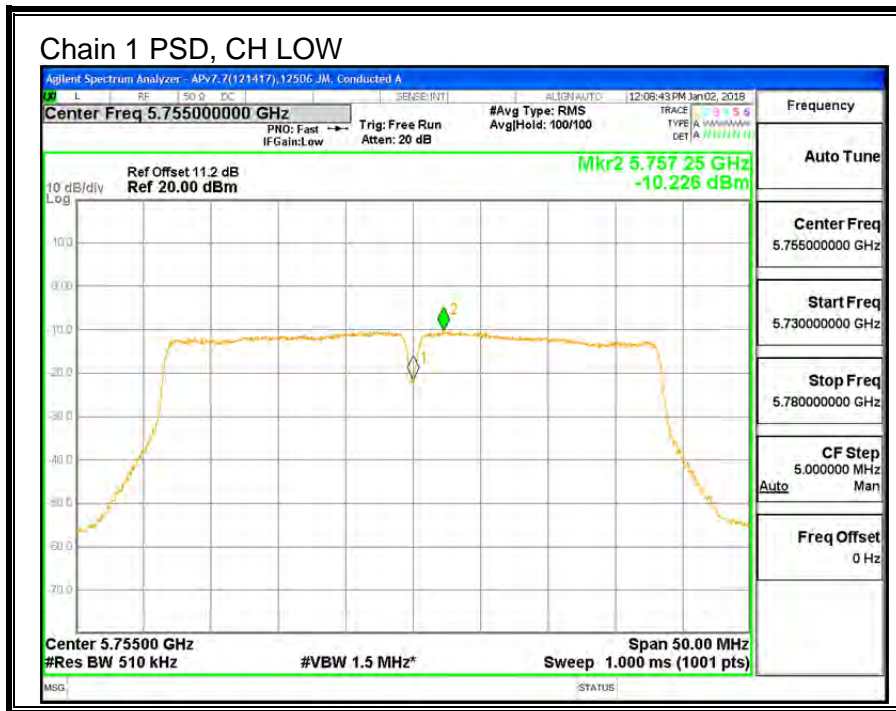
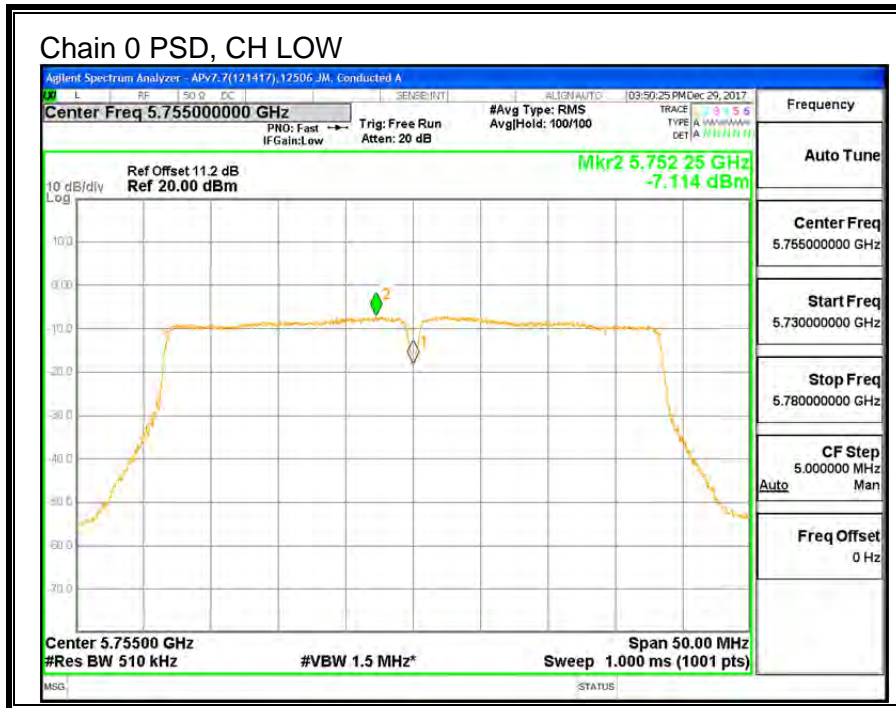
Output Power Results

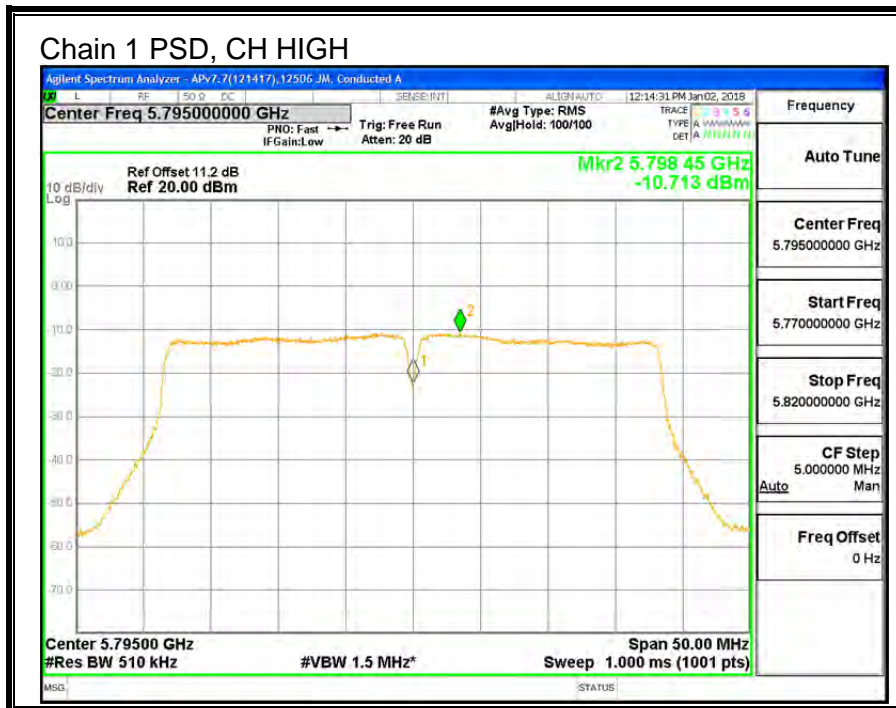
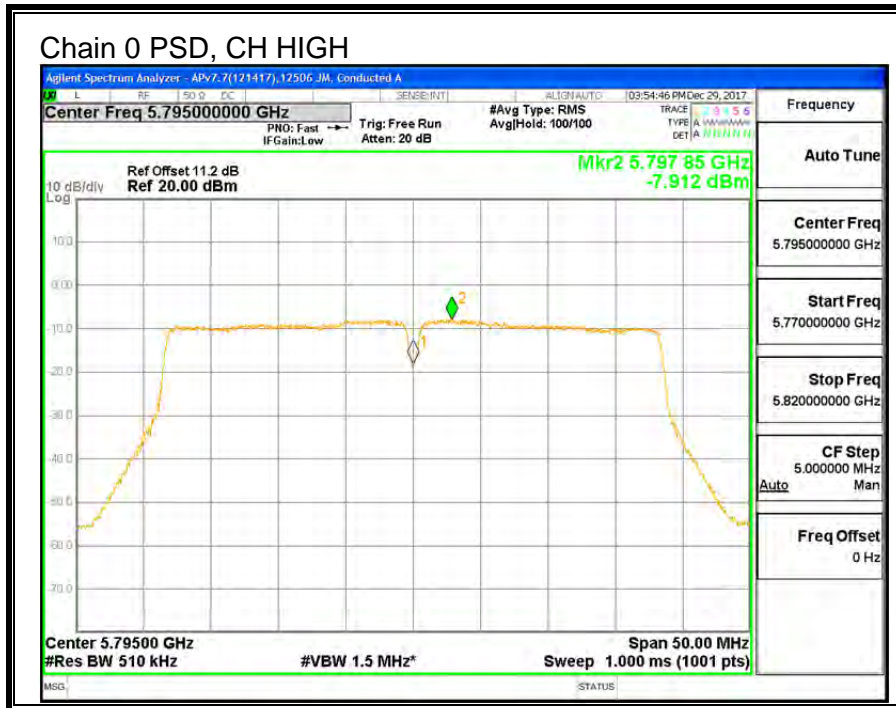
| Channel | Frequency (MHz) | Chain 0 Meas Power (dBm) | Chain 1 Meas Power (dBm) | Total Corr'd Power (dBm) | Power Limit (dBm) | Power Margin (dB) |
|---------|--------------------|-----------------------------------|-----------------------------------|-----------------------------------|-------------------------|-------------------------|
| Low | 5755 | 9.31 | 6.32 | 11.08 | 30.00 | -18.92 |
| High | 5795 | 9.12 | 6.35 | 10.96 | 30.00 | -19.04 |

Output Power Results

| Channel | Frequency (MHz) | Chain 0 Meas PSD (dBm) | Chain 1 Meas PSD (dBm) | Total Corr'd PSD (dBm) | PSD Limit (dBm) | PSD Margin (dB) |
|---------|--------------------|---------------------------------|---------------------------------|---------------------------------|-----------------------|-----------------------|
| Low | 5755 | -7.114 | -10.226 | -4.91 | 30.00 | -34.91 |
| High | 5795 | -7.912 | -10.713 | -5.60 | 30.00 | -35.60 |

Note: the power readings above were measured with gated method, and the measurement was taken only during the ON time. No duty cycle correction was necessary.





9.16. 11ac HT80 2TX CDD MIMO MODE IN THE 5.8GHz BAND

9.16.1. 6 dB BANDWIDTH

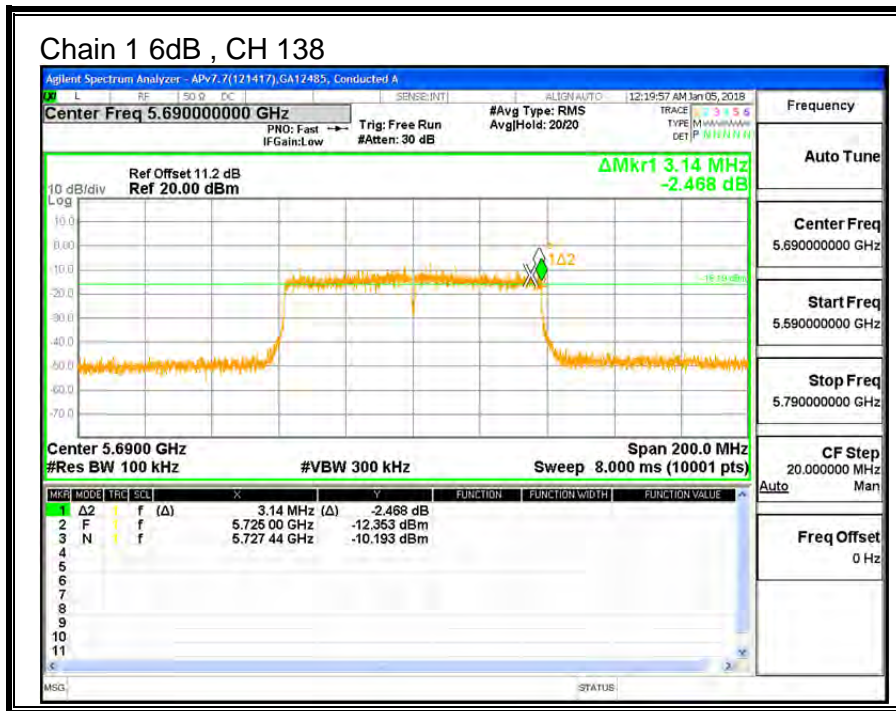
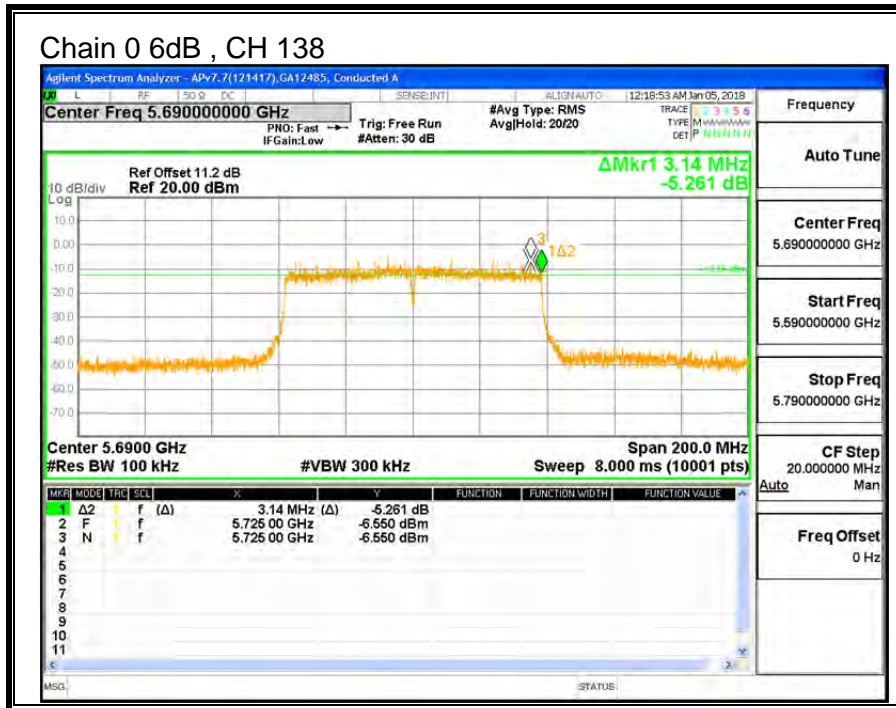
LIMITS

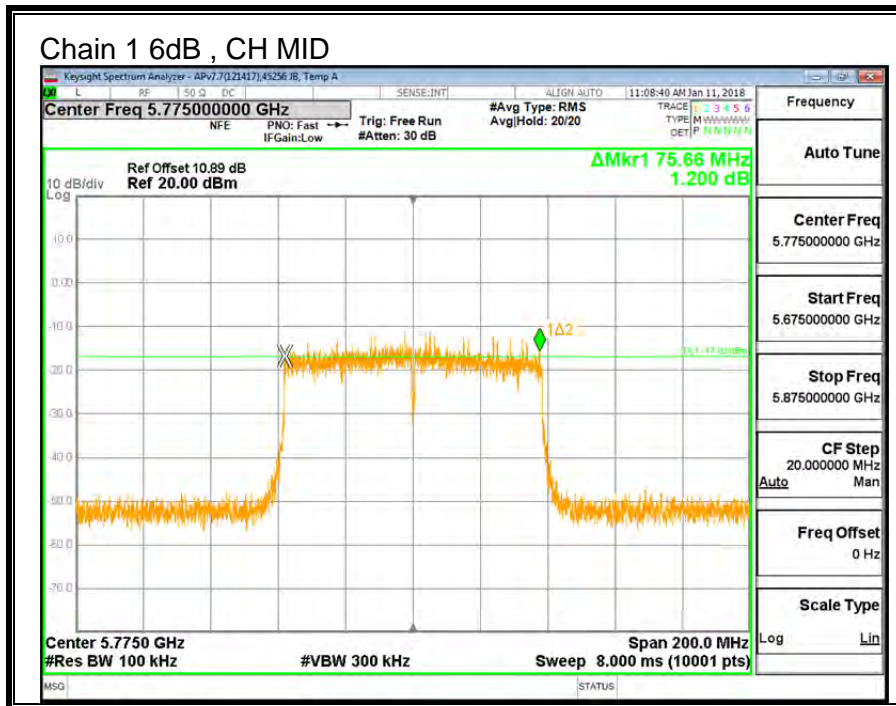
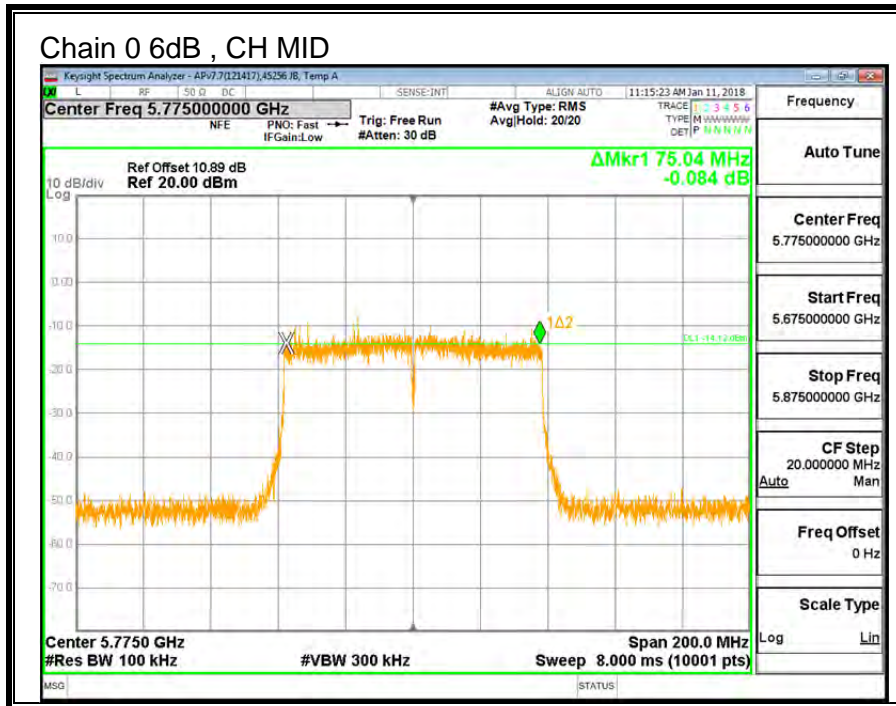
FCC §15.407 (e)

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

RESULTS

| Channel | Frequency | 6 dB BW Chain 0 (MHz) | 6 dB BW Chain 1 (MHz) | Minimum Limit (MHz) |
|----------------|------------------|--------------------------------------|--------------------------------------|--------------------------------|
| 138 | 5690 | 3.14 | 3.14 | 0.5 |
| Mid | 5775 | 75.04 | 75.66 | 0.5 |





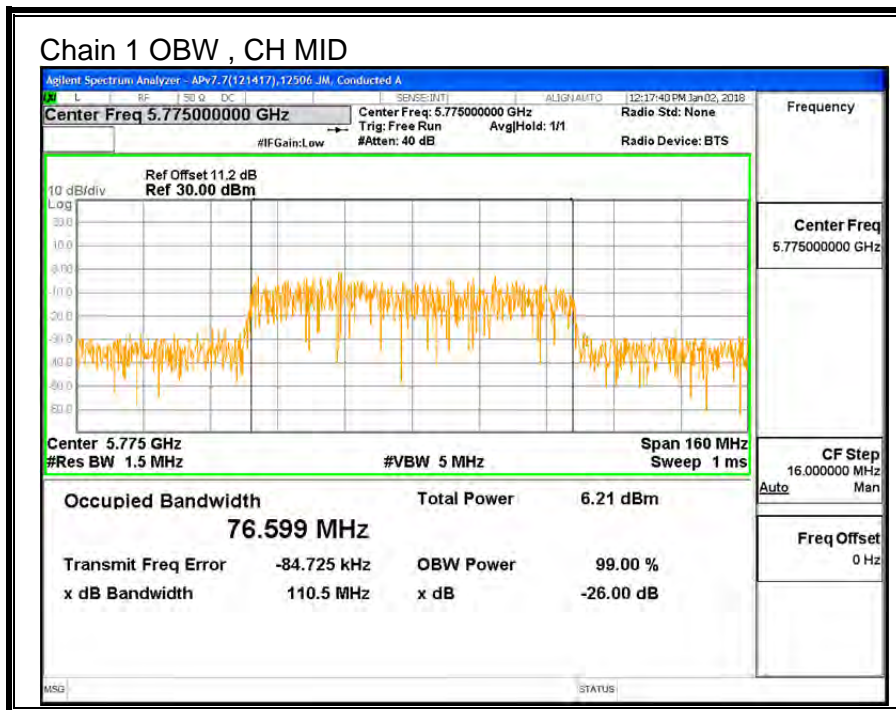
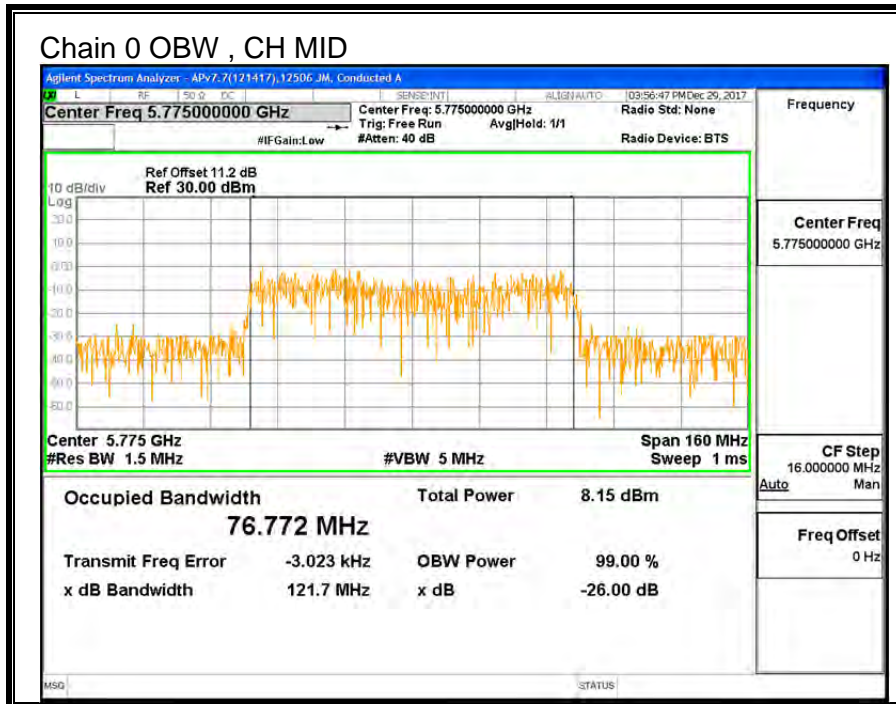
9.16.2. 99% BANDWIDTH

LIMITS

None; for reporting purposes only.

RESULTS

| Channel | Frequency | 99% BW Chain 0 (MHz) | 99% BW Chain 1 (MHz) |
|----------------|------------------|-------------------------------------|-------------------------------------|
| Mid | 5775 | 76.772 | 76.599 |



9.16.3. OUTPUT POWER AND PSD

LIMITS

FCC §15.407 (a) (3)

For the band 5.725-5.85 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W. In addition, the maximum power spectral density shall not exceed 30 dBm in any 500-kHz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

TEST PROCEDURE

Measurements perform using a wideband gated RF power meter provided that the gate parameters are adjusted such that the power is measured only when the EUT is transmitting at its maximum power control level. Since the measurement is made only during the ON time of the transmitter, no duty cycle correction factor is required.

DIRECTIONAL ANTENNA GAIN

For power, the TX chains are uncorrelated and the antenna gain is unequal among the chains. The directional gain is:

5725-5850 MHz

| Chain 0 Antenna Gain (dBi) | Chain 1 Antenna Gain (dBi) | Uncorrelated Chains Directional Gain (dBi) |
|-------------------------------------|-------------------------------------|---|
| -1.40 | -5.10 | -2.87 |

For PSD the TX chains are correlated and the antenna gain is unequal among the chains. The directional gain is:

5725-5850 MHz

| Chain 0 Antenna Gain (dBi) | Chain 1 Antenna Gain (dBi) | Correlated Chains Directional Gain (dBi) |
|-------------------------------------|-------------------------------------|---|
| -1.40 | -5.10 | -0.04 |

RESULTS

| | | | |
|------------|----------|--------------|----------|
| ID: | 12506 JM | Date: | 01/08/18 |
|------------|----------|--------------|----------|

Antenna Gain and Limit

| Channel | Frequency (MHz) | Directional Gain for Power (dBi) | Power Limit for PSD (dBi) | Power Limit (dBm) | PSD Limit (dBm) |
|---------|--------------------|---|------------------------------------|-------------------------|-----------------------|
| Mid | 5775 | -2.87 | -0.04 | 30.00 | 30.00 |

| | | |
|---------------------------|------|---|
| Duty Cycle CF (dB) | 0.73 | Included in Calculations of Corr'd PSD |
|---------------------------|------|---|

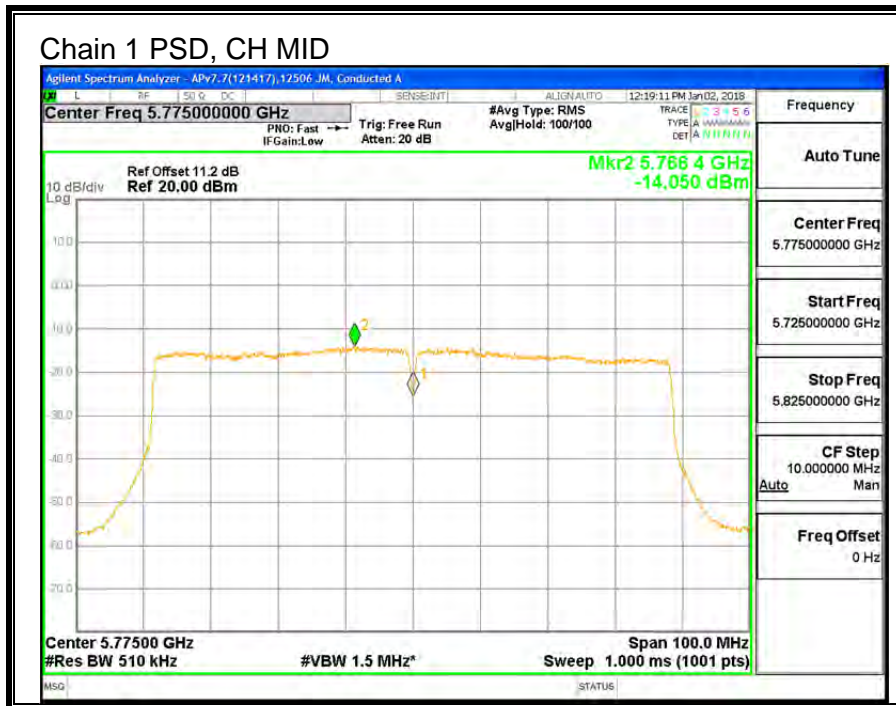
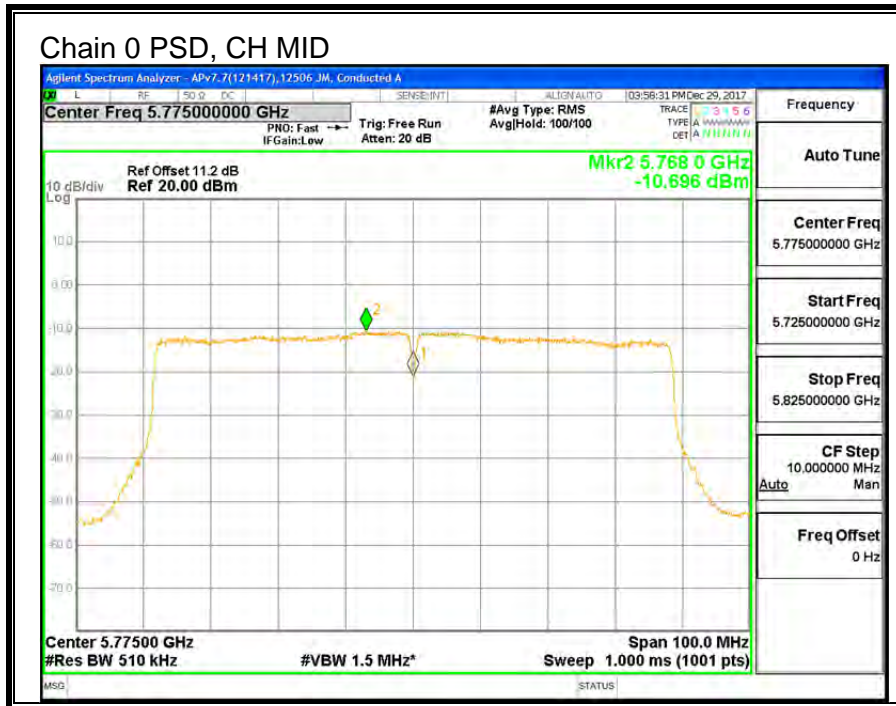
Output Power Results

| Channel | Frequency (MHz) | Chain 0 Meas Power (dBm) | Chain 1 Meas Power (dBm) | Total Corr'd Power (dBm) | Power Limit (dBm) | Power Margin (dB) |
|---------|--------------------|-----------------------------------|-----------------------------------|-----------------------------------|-------------------------|-------------------------|
| Mid | 5775 | 9.49 | 6.10 | 11.13 | 30.00 | -18.87 |

PSD Results

| Channel | Frequency (MHz) | Chain 0 Meas Power (dBm) | Chain 1 Meas Power (dBm) | Total Corr'd Power (dBm) | Power Limit (dBm) | Power Margin (dB) |
|---------|--------------------|-----------------------------------|-----------------------------------|-----------------------------------|-------------------------|-------------------------|
| Mid | 5775 | -10.696 | -14.050 | -8.32 | 30.00 | -38.32 |

Note: the power readings above were measured with gated method, and the measurement was taken only during the ON time. No duty cycle correction was necessary.



10. RADIATED TEST RESULTS

10.1. LIMITS AND PROCEDURE

LIMITS

FCC §15.205 and §15.209

| Frequency Range (MHz) | Field Strength Limit (uV/m) at 3 m | Field Strength Limit (dBuV/m) at 3 m |
|-----------------------|------------------------------------|--------------------------------------|
| 0.009-0.490 | 2400/F(kHz) @ 300m | - |
| 0.490-1.705 | 24000/F(kHz) @ 30m | - |
| 1.705-30.0 | 30 @ 30m | - |
| 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 measurements above 1 GHz the resolution bandwidth is set to 1 MHz; the video bandwidth is set to 3 MHz for peak measurements and add duty cycle factor for average measurements.

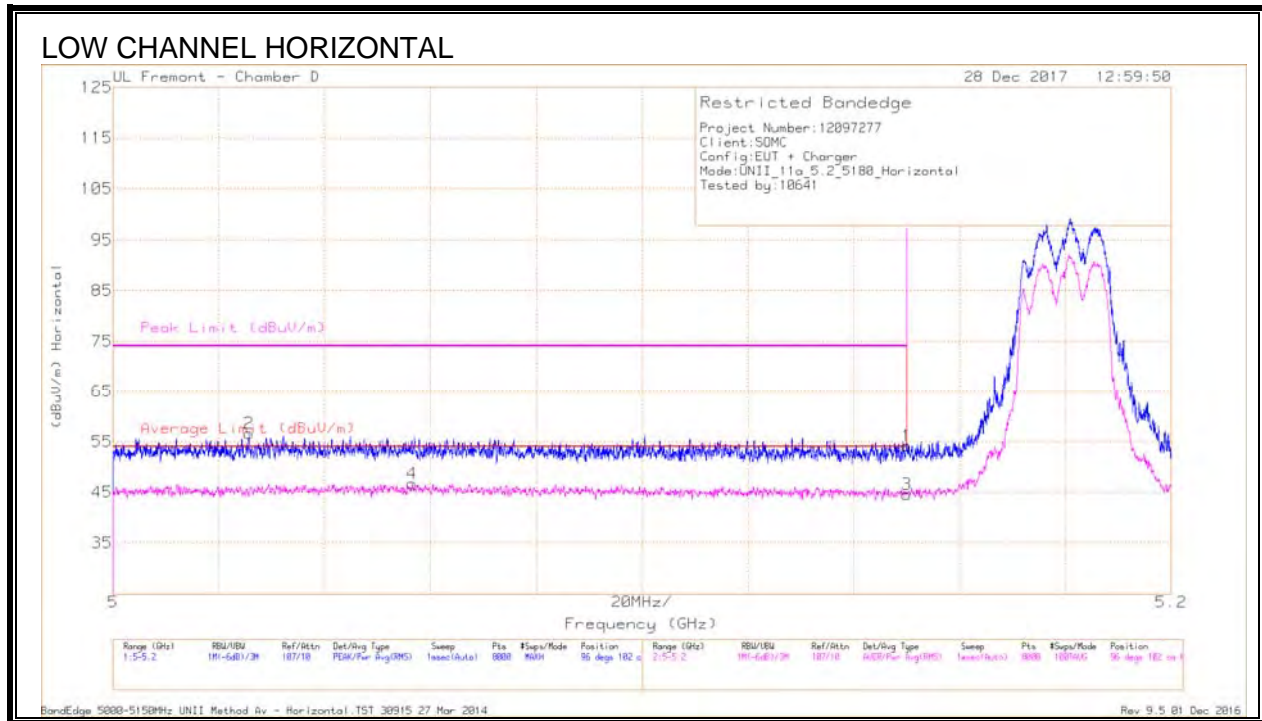
The spectrum from 1 GHz to 18 GHz is investigated with the transmitter set to the lowest, middle, and highest channels in each applicable band. Below 1GHz and above 18GHz emissions, the channel with the highest output power was tested.

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.

Radiated emission were performed with the EUT set to transmit at the channel with highest output power as worst-case scenario.

10.1.1. 11a 2TX CDD MIMO MODE IN THE 5.2GHZ BAND

RESTRICTED BANDEDGE (LOW CHANNEL)



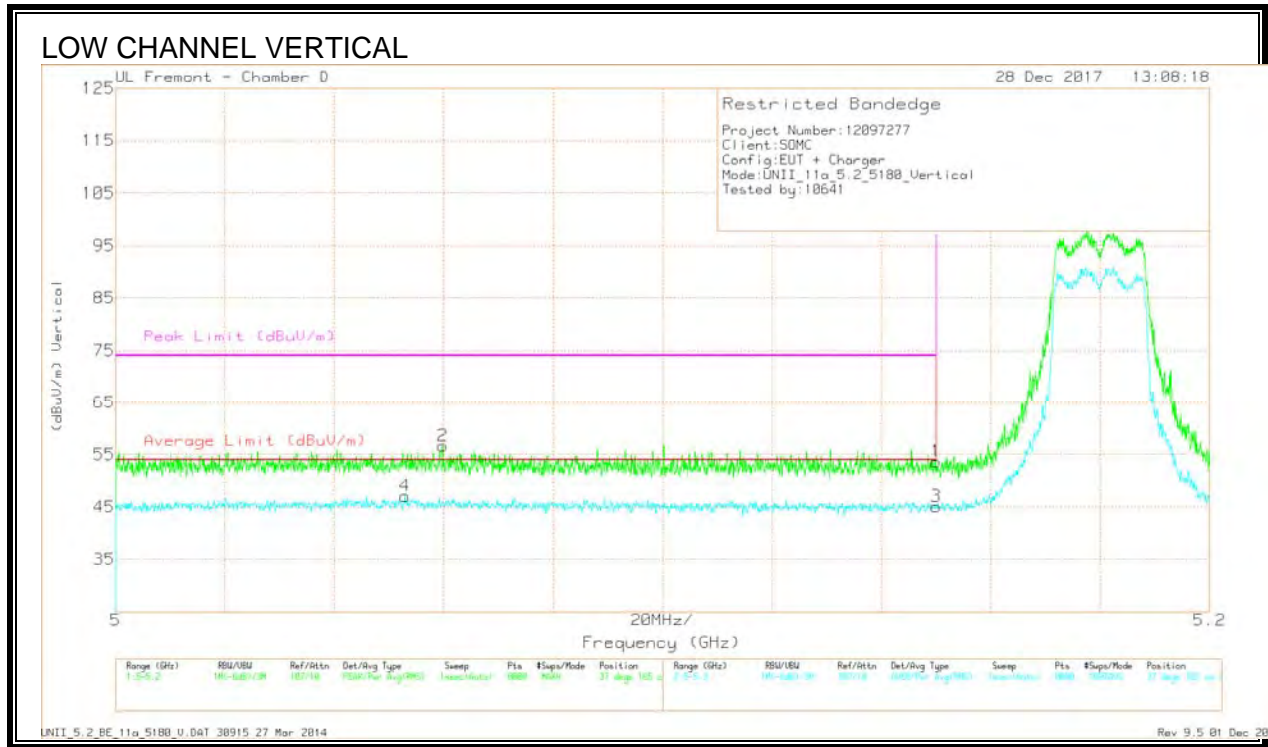
Trace Markers

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF T711 (dB/m) | Amp/Cbl/Fitr/Pad (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|----------------|-----------------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1 | * 5.15 | 38.17 | Pk | 34.1 | -18.1 | 54.17 | - | - | 74 | -19.83 | 96 | 102 | H |
| 2 | * 5.026 | 40.37 | Pk | 34.1 | -17.8 | 56.67 | - | - | 74 | -17.33 | 96 | 102 | H |
| 3 | * 5.15 | 28.62 | RMS | 34.1 | -18.1 | 44.62 | 54 | -9.38 | - | - | 96 | 102 | H |
| 4 | * 5.057 | 30.32 | RMS | 34.1 | -17.7 | 46.72 | 54 | -7.28 | - | - | 96 | 102 | H |

* - indicates frequency in CFR15.205/IC8.10 RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection



Trace Markers

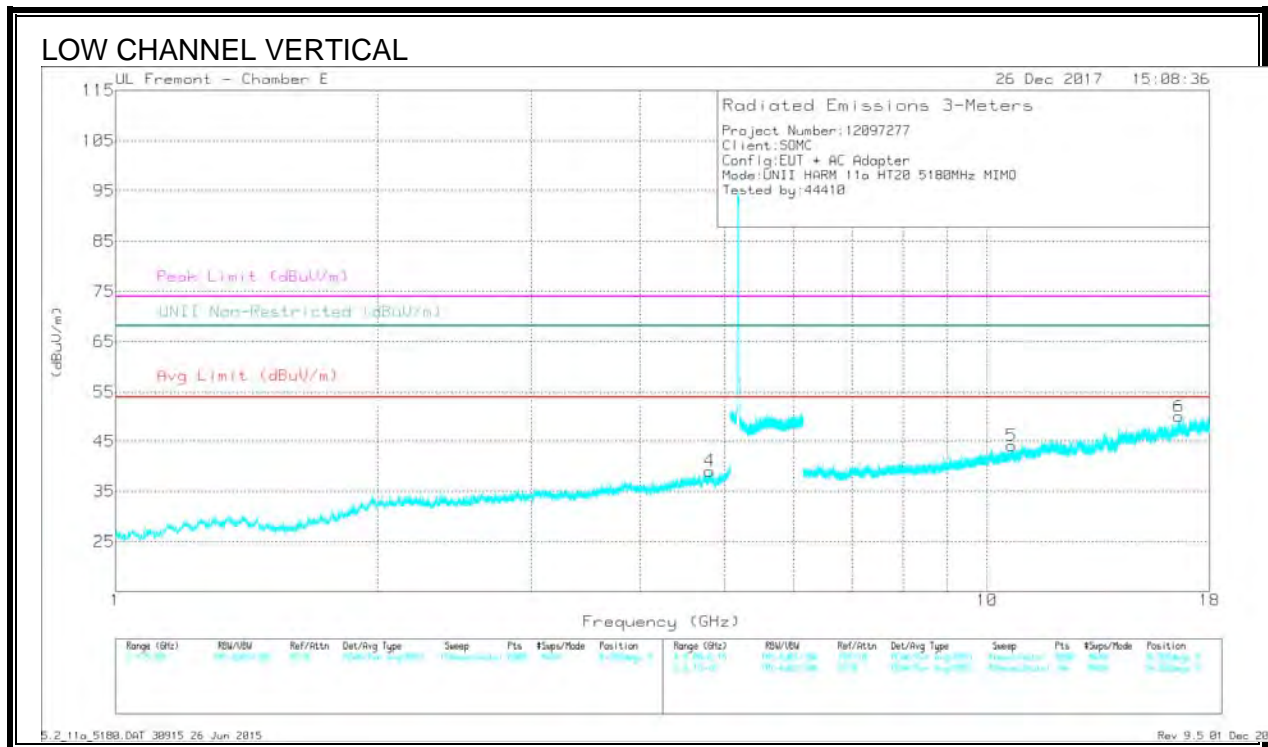
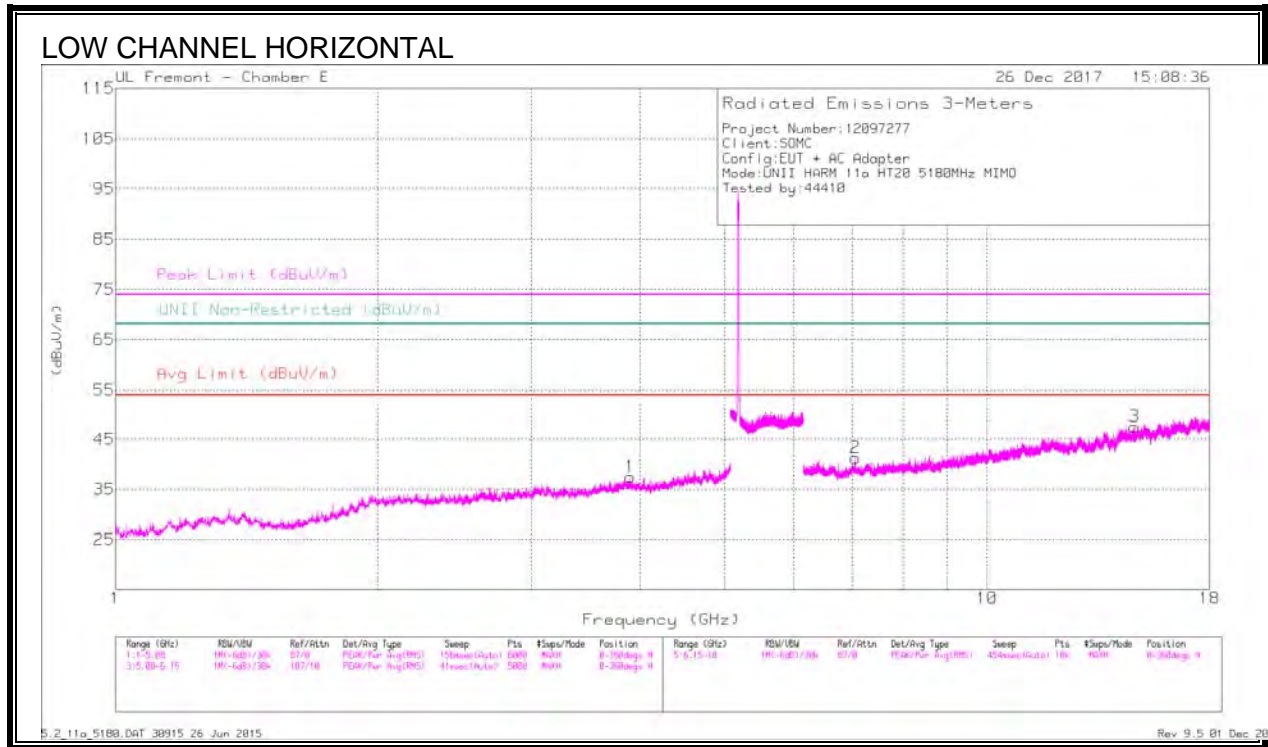
| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF T711 (dB/m) | Amp/Cbl/Filtr/Pad (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|----------------|------------------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 4 | * 5.053 | 30.69 | RMS | 34.1 | -17.7 | 47.09 | 54 | -6.91 | - | - | 37 | 165 | V |
| 2 | * 5.06 | 40.38 | Pk | 34.1 | -17.8 | 56.68 | - | - | 74 | -17.32 | 37 | 165 | V |
| 1 | * 5.15 | 37.67 | Pk | 34.1 | -18.1 | 53.67 | - | - | 74 | -20.33 | 37 | 165 | V |
| 3 | * 5.15 | 29.13 | RMS | 34.1 | -18.1 | 45.13 | 54 | -8.87 | - | - | 37 | 165 | V |

* - indicates frequency in CFR15.205/IC8.10 RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

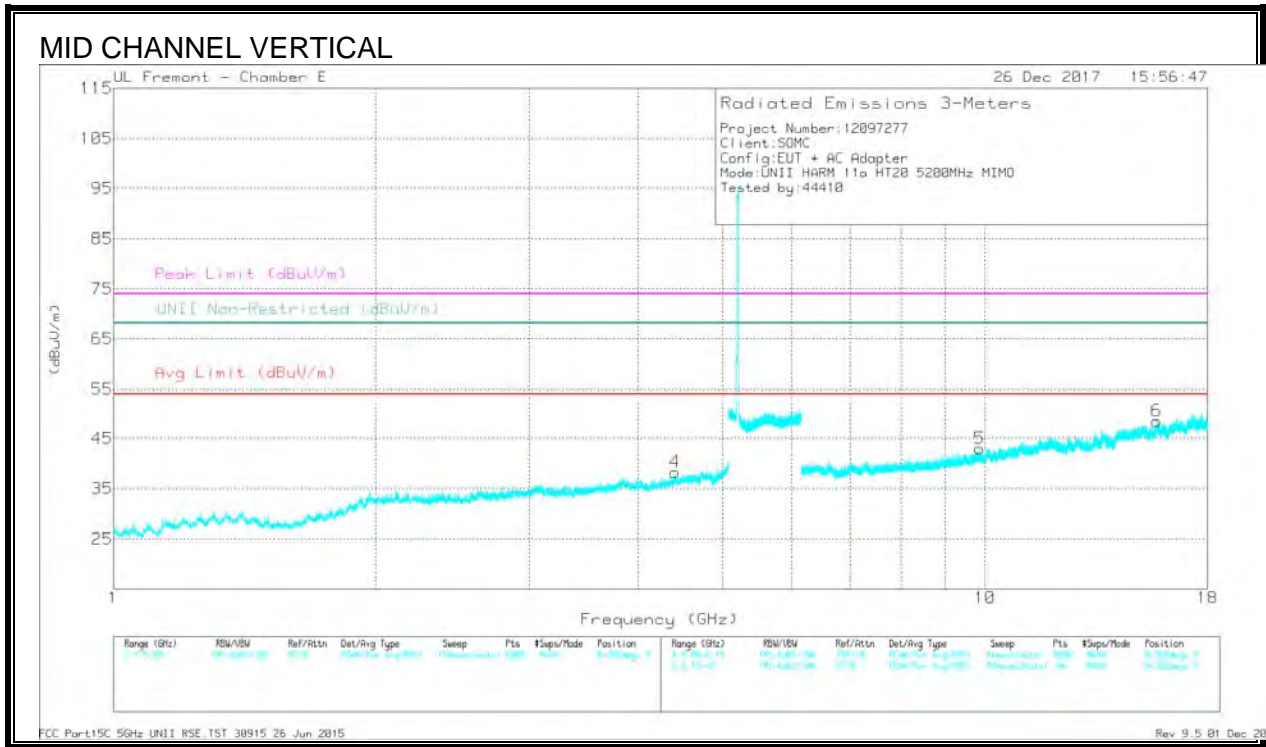
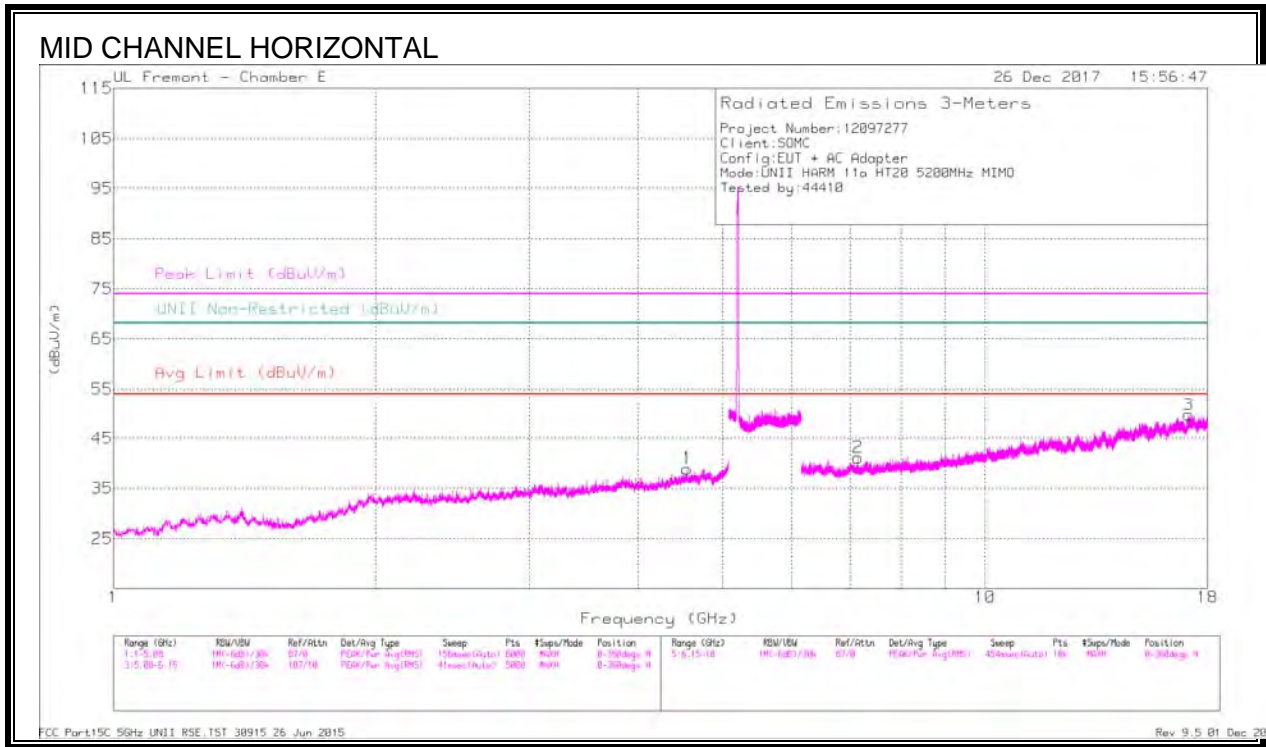
HARMONICS AND SPURIOUS EMISSIONS



Radiated Emissions

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AFT862 (dB/m) | Amp/Cbl/Filtr/Pad (dB) | DC Corr (dB) | Corrected Reading (dBuV/m) | Avg Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | UNII Non-Restricted (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|------|---------------|------------------------|--------------|----------------------------|--------------------|-------------|---------------------|----------------|------------------------------|----------------|----------------|-------------|----------|
| 1 | * 3.897 | 40.35 | PK-U | 33.7 | -30 | 0 | 44.05 | - | - | 74 | -29.95 | - | - | 225 | 211 | H |
| | * 3.899 | 28.29 | ADR | 33.7 | -30.1 | 0 | 31.89 | 54 | -22.11 | - | - | - | - | 225 | 211 | H |
| 4 | * 4.8 | 38.89 | PK-U | 34.4 | -28.8 | 0 | 44.49 | - | - | 74 | -29.51 | - | - | 285 | 381 | V |
| | * 4.803 | 27.73 | ADR | 34.4 | -28.7 | 0 | 33.43 | 54 | -20.57 | - | - | - | - | 285 | 381 | V |
| 5 | * 10.664 | 34.38 | PK-U | 38.1 | -22.8 | 0 | 49.68 | - | - | 74 | -24.32 | - | - | 124 | 138 | V |
| | * 10.665 | 22.33 | ADR | 38.1 | -22.8 | 0 | 37.63 | 54 | -16.37 | - | - | - | - | 124 | 138 | V |
| 2 | 7.063 | 37.4 | PK-U | 36.1 | -27.2 | 0 | 46.3 | - | - | - | - | 68.2 | -21.9 | 331 | 174 | H |
| 3 | 14.754 | 34.54 | PK-U | 40.5 | -22.9 | 0 | 52.14 | - | - | - | - | 68.2 | -16.06 | 151 | 391 | H |
| 6 | 16.595 | 33.81 | PK-U | 41.9 | -21.1 | 0 | 54.61 | - | - | - | - | 68.2 | -13.59 | 124 | 101 | V |

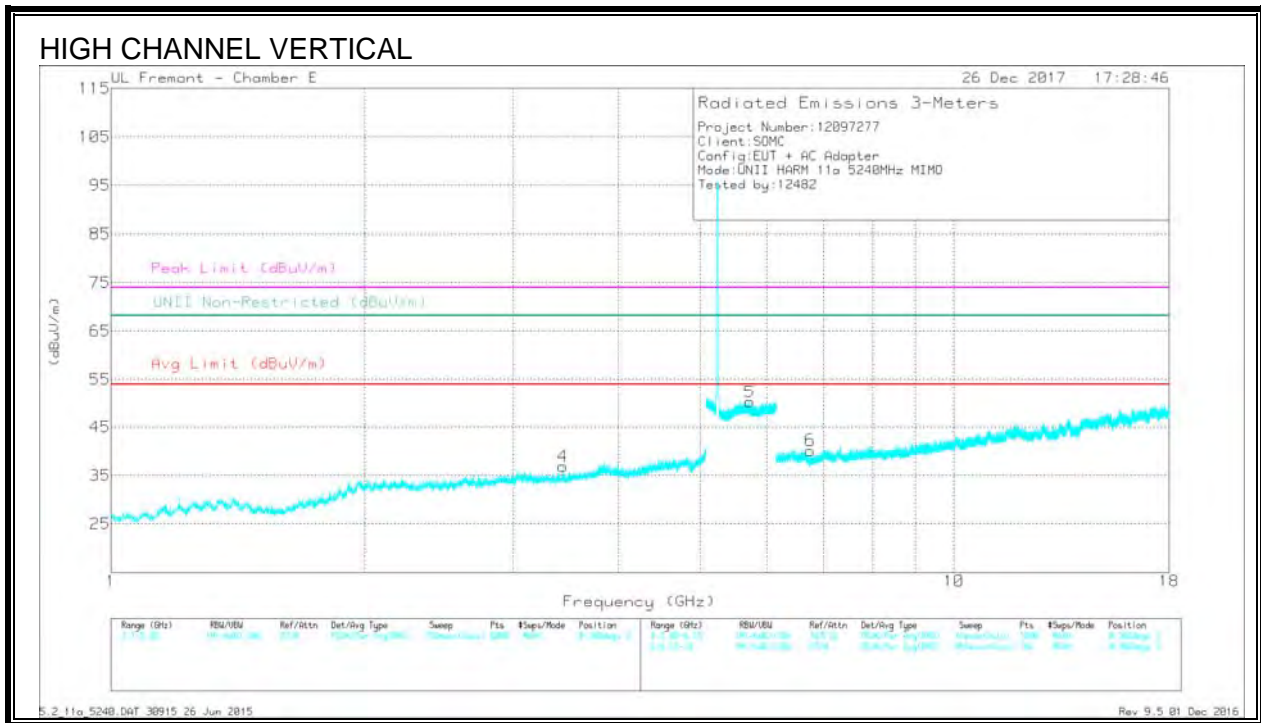
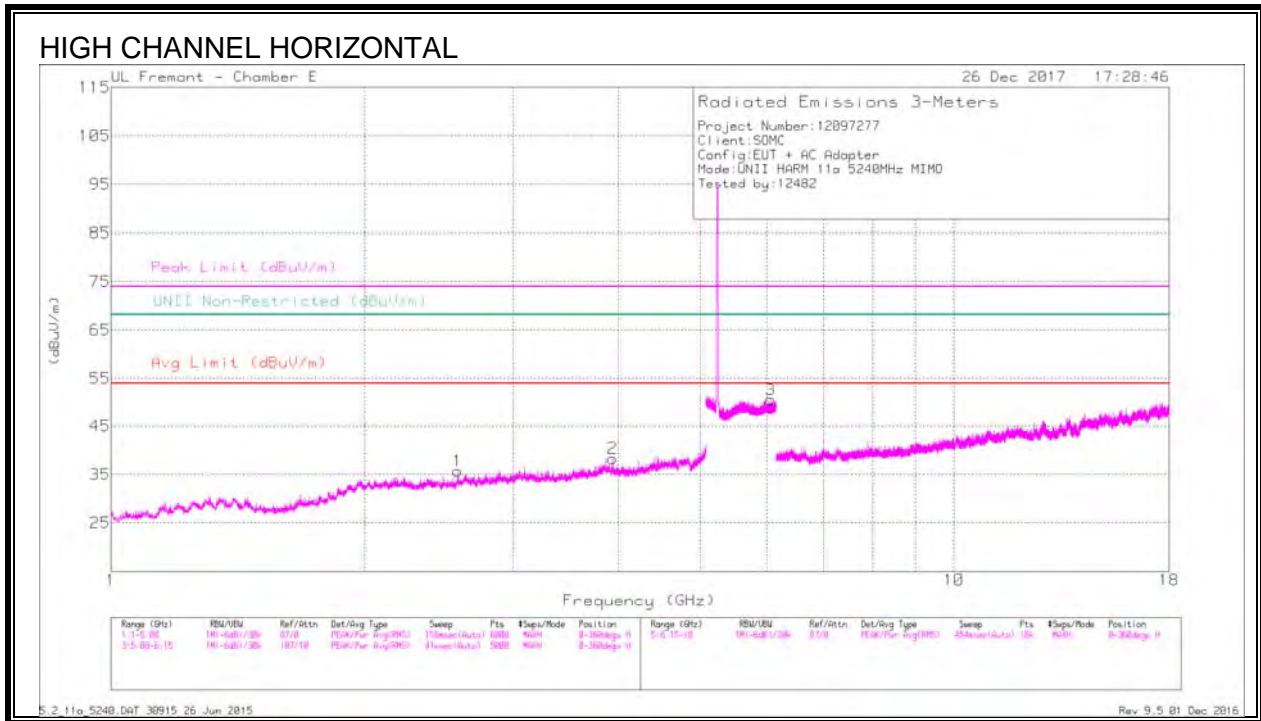
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 PK-U - U-NII: Maximum Peak
 ADR - U-NII AD primary method, RMS average



Radiated Emissions

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF T346 (dB/m) | Amp/Cbl/Filtr/Pad (dB) | DC Corr (dB) | Corrected Reading (dBuV/m) | Avg Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | UNII Non-Restricted (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|------|----------------|------------------------|--------------|----------------------------|--------------------|-------------|---------------------|----------------|------------------------------|----------------|----------------|-------------|----------|
| 1 | * 4.553 | 38.71 | PK-U | 34.5 | -28.9 | 0 | 44.31 | - | - | 74 | -29.69 | - | - | 237 | 283 | H |
| | * 4.551 | 27.06 | ADR | 34.5 | -28.8 | 0 | 32.76 | 54 | -21.24 | - | - | - | - | 237 | 283 | H |
| 6 | * 15.742 | 34.09 | PK-U | 41.7 | -22 | 0 | 53.79 | - | - | 74 | -20.21 | - | - | 229 | 130 | V |
| | * 15.744 | 22.77 | ADR | 41.7 | -22.1 | 0 | 42.37 | 54 | -11.63 | - | - | - | - | 229 | 130 | V |
| 4 | 4.403 | 38.97 | PK-U | 34.1 | -29 | 0 | 44.07 | - | - | - | - | 68.2 | -24.13 | 65 | 318 | V |
| 2 | 7.149 | 36.59 | PK-U | 36.1 | -27.3 | 0 | 45.39 | - | - | - | - | 68.2 | -22.81 | 39 | 170 | H |
| 5 | 9.858 | 35.07 | PK-U | 37.6 | -24.7 | 0 | 47.97 | - | - | - | - | 68.2 | -20.23 | 345 | 228 | V |
| 3 | 17.127 | 34.1 | PK-U | 41.7 | -21 | 0 | 54.8 | - | - | - | - | 68.2 | -13.4 | 243 | 326 | H |

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 PK-U - U-NII: Maximum Peak
 ADR - U-NII AD primary method, RMS average



Radiated Emissions

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF T346 (dB/m) | Amp/Cbl/Filtr/Pad (dB) | DC Corr (dB) | Corrected Reading (dBuV/m) | Avg Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | UNII Non-Restricted (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|------|----------------|------------------------|--------------|----------------------------|--------------------|-------------|---------------------|----------------|------------------------------|----------------|----------------|-------------|----------|
| 2 | * 3.936 | 40.68 | PK-U | 33.7 | -30.7 | 0 | 43.68 | - | - | 74 | -30.32 | - | - | 352 | 358 | H |
| | * 3.936 | 28.86 | ADR | 33.7 | -30.7 | 0 | 31.86 | 54 | -22.14 | - | - | - | - | 352 | 358 | H |
| 1 | 2.579 | 40.61 | PK-U | 32.1 | -31.6 | 0 | 41.11 | - | - | - | - | 68.2 | -27.09 | 355 | 355 | H |
| 4 | 3.438 | 39.32 | PK-U | 33 | -30.6 | 0 | 41.72 | - | - | - | - | 68.2 | -26.48 | 211 | 154 | V |
| 5 | 5.723 | 39.84 | PK-U | 35.1 | -19.1 | 0 | 55.84 | - | - | - | - | 68.2 | -12.36 | 85 | 157 | V |
| 3 | 6.06 | 39.15 | PK-U | 35.5 | -18.4 | 0 | 56.25 | - | - | - | - | 68.2 | -11.95 | 345 | 113 | H |
| 6 | 6.752 | 37.94 | PK-U | 35.9 | -27.8 | 0 | 46.04 | - | - | - | - | 68.2 | -22.16 | 138 | 178 | V |

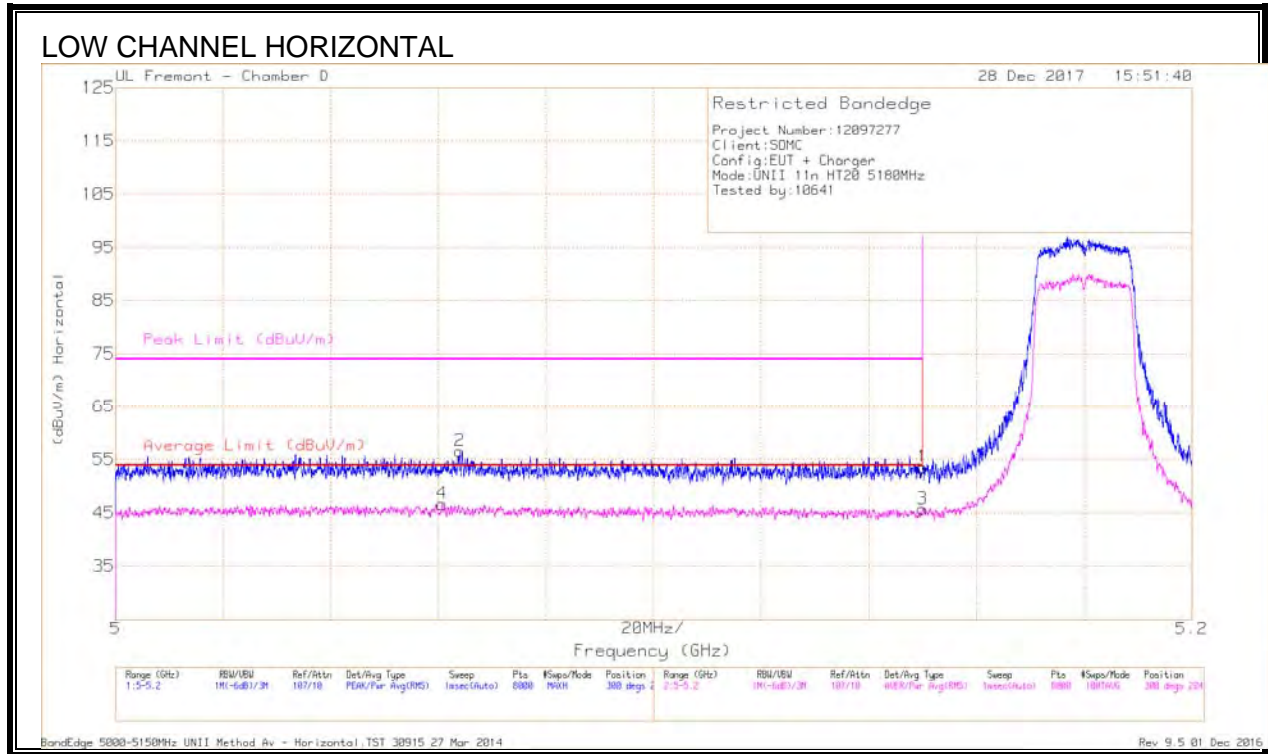
* - indicates frequency in CFR15.205/IC8.10 RSS-Restricted Band

PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

10.1.2. 11n HT20 2TX CDD MIMO MODE IN THE 5.2GHZ BAND

RESTRICTED BANDEDGE (LOW CHANNEL)



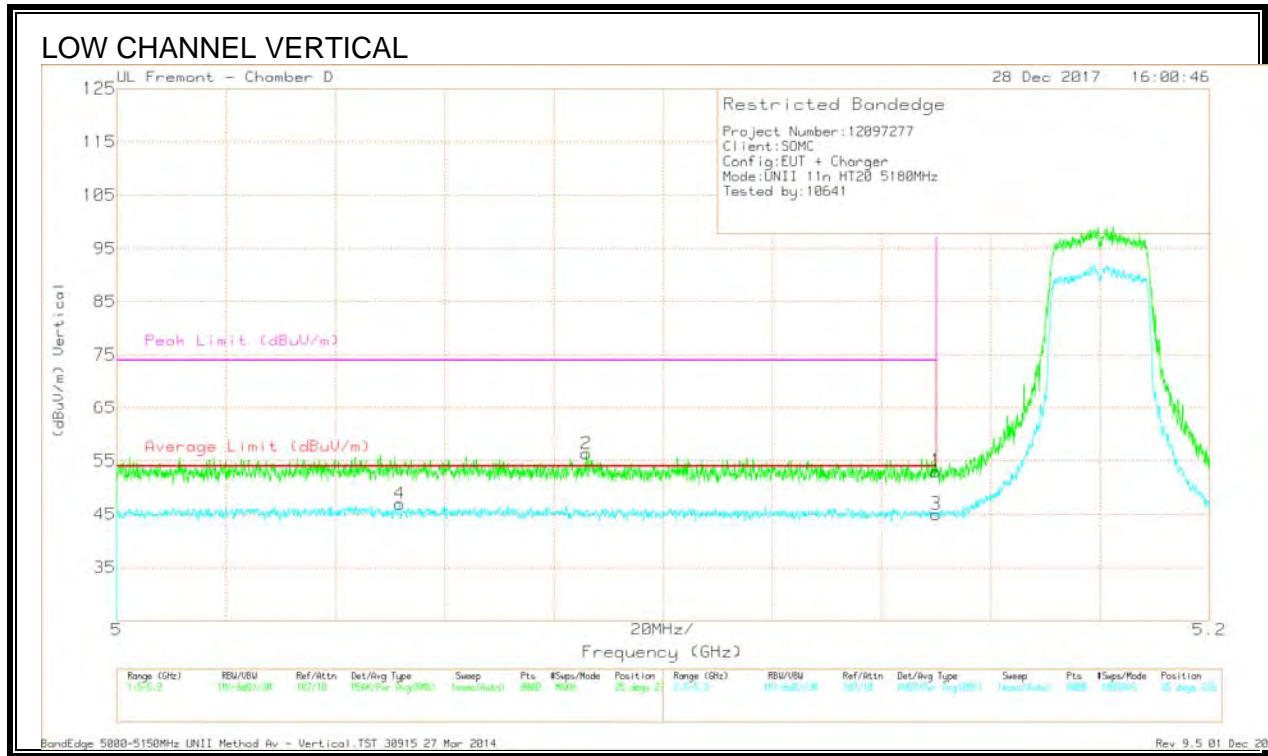
Trace Markers

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF T711 (dB/m) | Amp/Cb1/Filtr/Pad (dB) | DC Corr (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|----------------|------------------------|--------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 4 | * 5.061 | 30.23 | RMS | 34.1 | -17.8 | .14 | 46.67 | 54 | -7.33 | - | - | 300 | 224 | H |
| 2 | * 5.064 | 40.16 | Pk | 34.1 | -17.7 | 0 | 56.56 | - | - | 74 | -17.44 | 300 | 224 | H |
| 1 | * 5.15 | 37.52 | Pk | 34.1 | -18.1 | 0 | 53.52 | - | - | 74 | -20.48 | 300 | 224 | H |
| 3 | * 5.15 | 29.58 | RMS | 34.1 | -18.1 | .14 | 45.72 | 54 | -8.28 | - | - | 300 | 224 | H |

* - indicates frequency in CFR15.205/IC8.10 RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection



Trace Markers

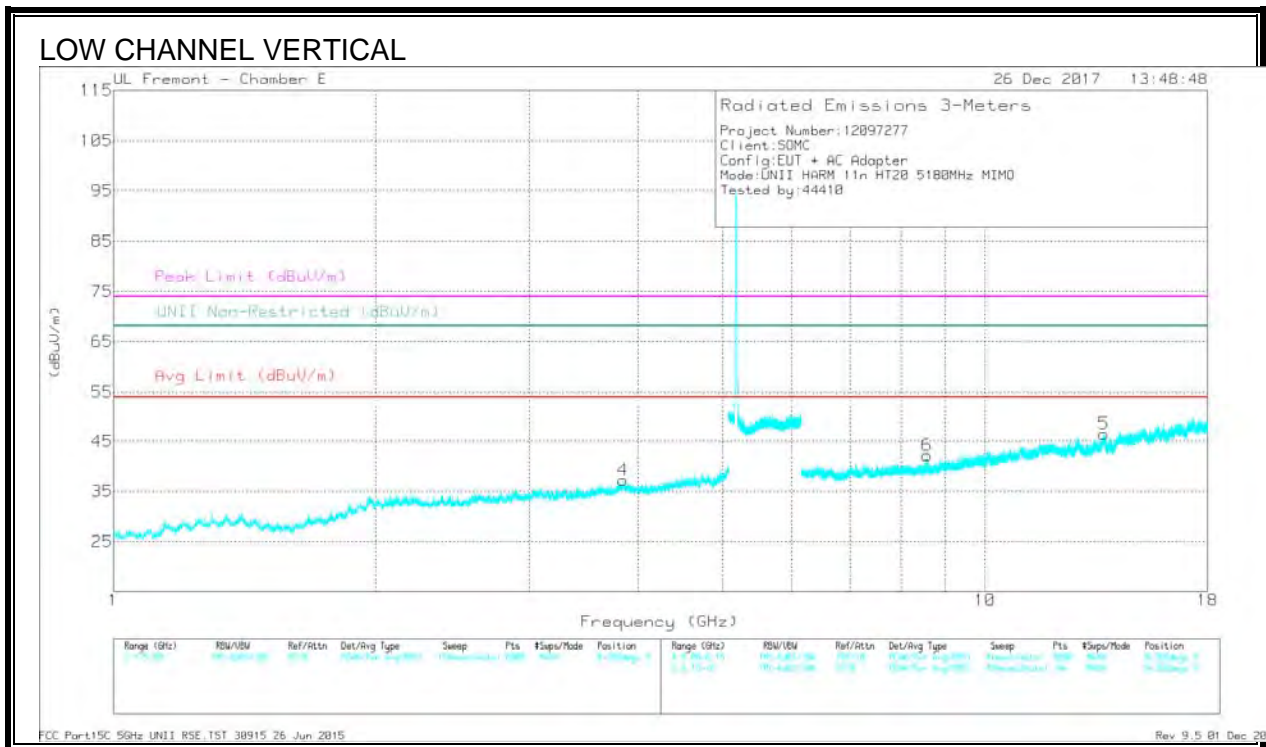
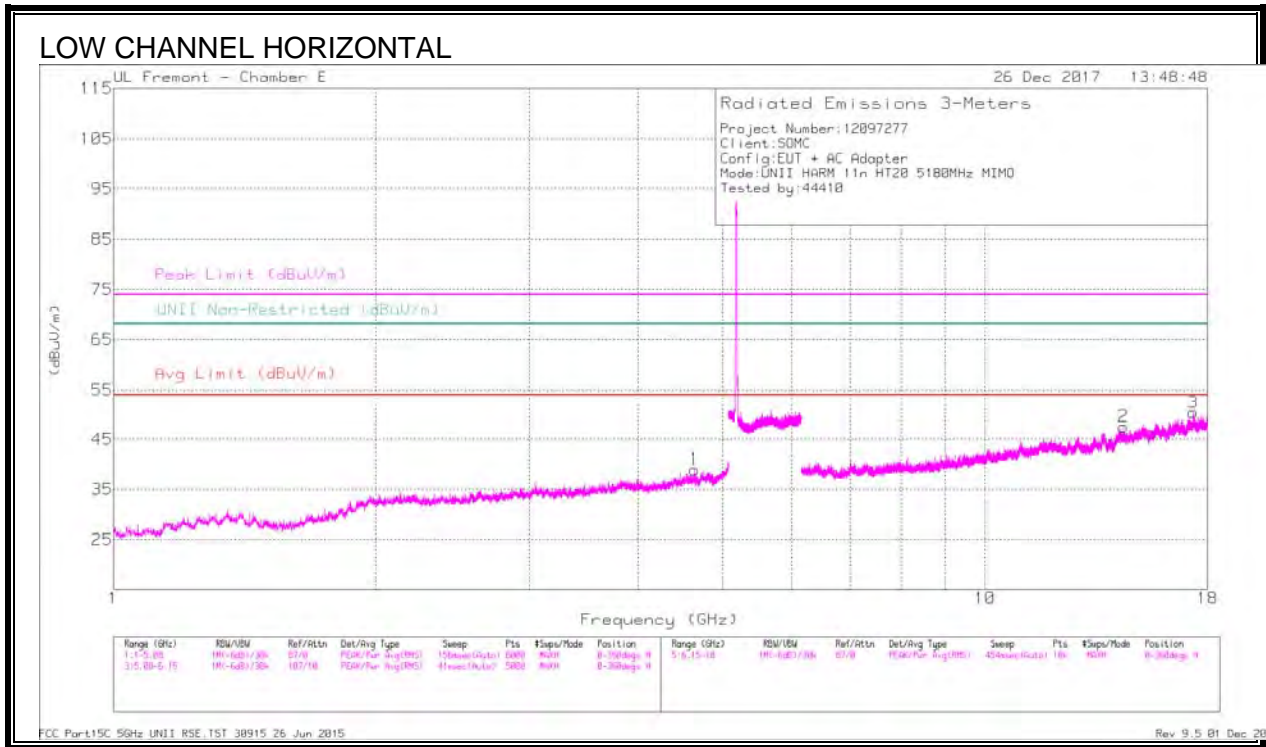
| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF T711 (dB/m) | Amp/Cbl/Filtr/Pad (dB) | DC Corr (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|----------------|------------------------|--------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 4 | * 5.052 | 30.36 | RMS | 34.1 | -17.7 | .14 | 46.9 | 54 | -7.1 | - | - | 25 | 236 | V |
| 2 | * 5.086 | 40.11 | Pk | 34.1 | -17.9 | 0 | 56.31 | - | - | 74 | -17.69 | 25 | 236 | V |
| 1 | * 5.15 | 37.06 | Pk | 34.1 | -18.1 | 0 | 53.06 | - | - | 74 | -20.94 | 25 | 236 | V |
| 3 | * 5.15 | 28.83 | RMS | 34.1 | -18.1 | .14 | 44.97 | 54 | -9.03 | - | - | 25 | 236 | V |

* - indicates frequency in CFR15.205/IC8.10 RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

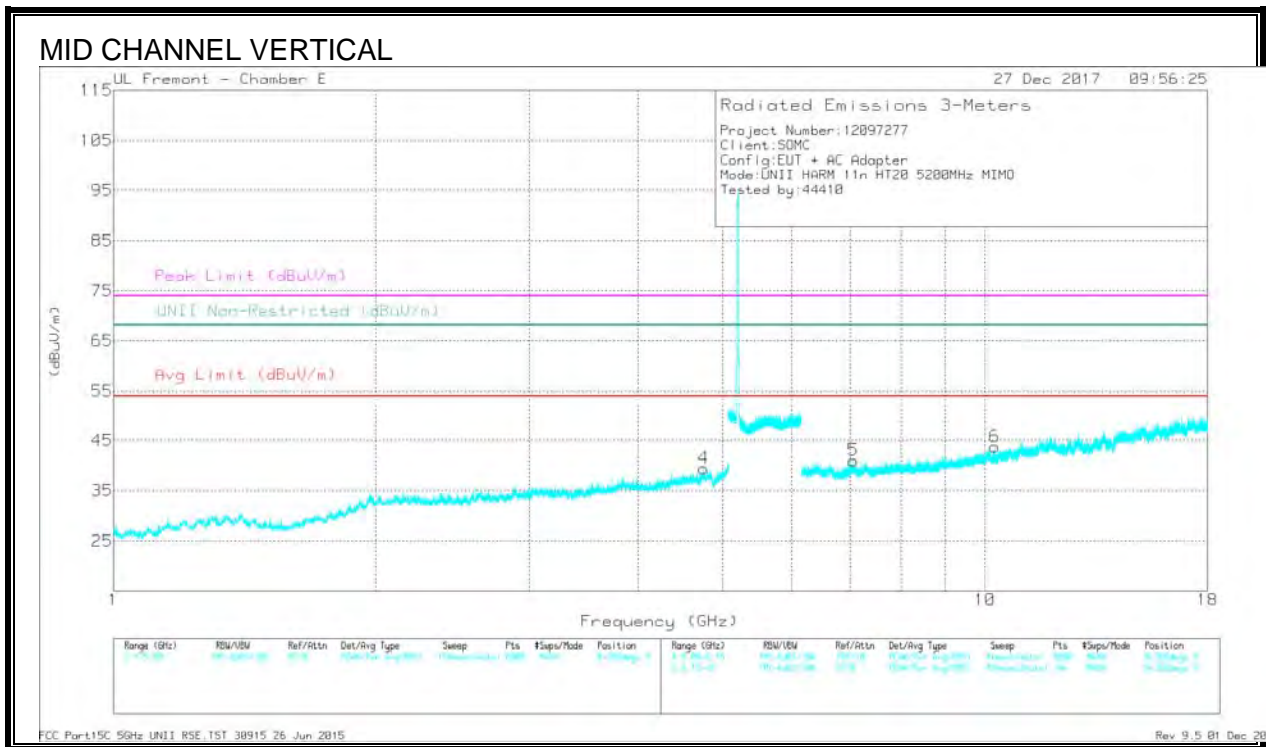
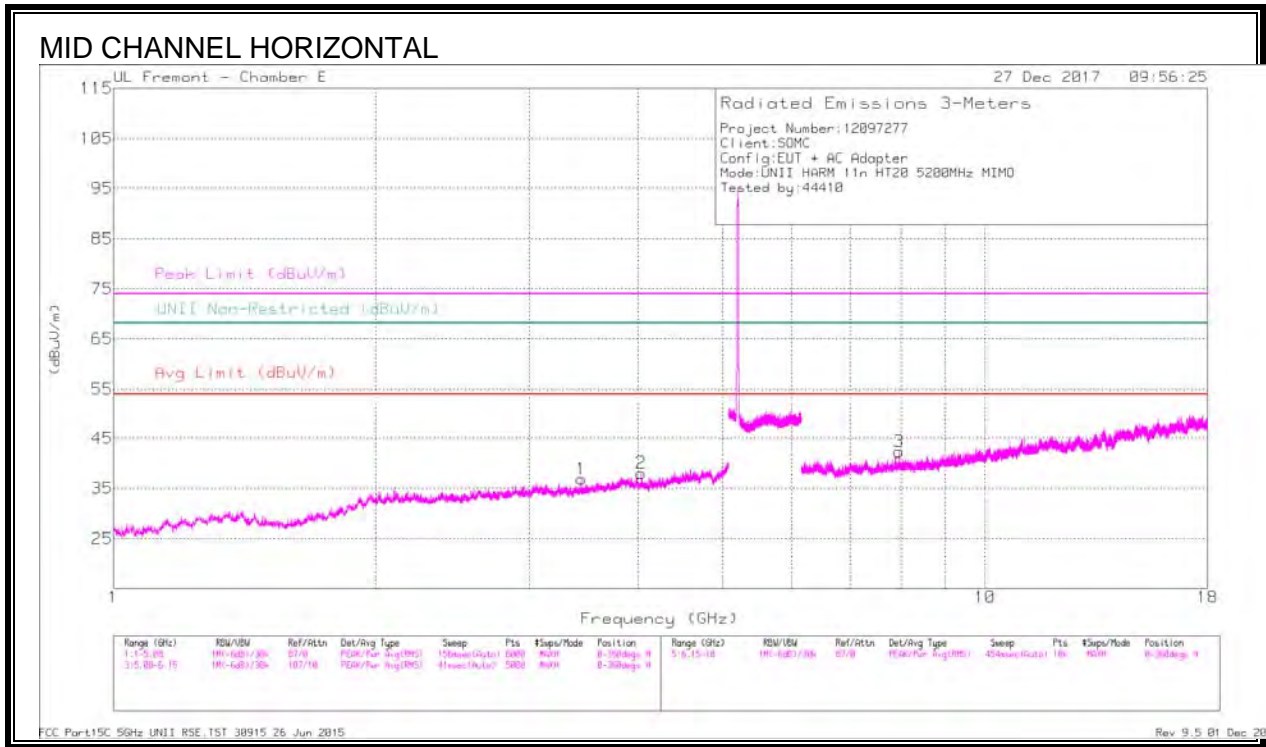
HARMONICS AND SPURIOUS EMISSIONS



Radiated Emissions

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF T346 (dB/m) | Amp/Cbl/Filtr/Pad (dB) | DC Corr (dB) | Corrected Reading (dBuV/m) | Avg Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | UNII Non-Restricted (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|------|----------------|------------------------|--------------|----------------------------|--------------------|-------------|---------------------|----------------|------------------------------|----------------|----------------|-------------|----------|
| 1 | * 4.638 | 39.58 | PK-U | 34.4 | -29.4 | 0 | 44.58 | - | - | 74 | -29.42 | - | - | 326 | 102 | H |
| | * 4.638 | 27.96 | ADR | 34.4 | -29.4 | .14 | 33.1 | 54 | -20.9 | - | - | - | - | 326 | 102 | H |
| 4 | * 3.844 | 39.47 | PK-U | 33.7 | -29.4 | 0 | 43.77 | - | - | 74 | -30.23 | - | - | 283 | 335 | V |
| | * 3.845 | 27.93 | ADR | 33.7 | -29.4 | .14 | 32.37 | 54 | -21.63 | - | - | - | - | 283 | 335 | V |
| 6 | 8.576 | 35.75 | PK-U | 36.6 | -25.7 | 0 | 46.65 | - | - | - | - | 68.2 | -21.55 | 25 | 197 | V |
| 5 | 13.694 | 36.45 | PK-U | 39.5 | -22.7 | 0 | 53.25 | - | - | - | - | 68.2 | -14.95 | 112 | 365 | V |
| 2 | 14.406 | 35.65 | PK-U | 40.9 | -23.5 | 0 | 53.05 | - | - | - | - | 68.2 | -15.15 | 122 | 391 | H |
| 3 | 17.318 | 35.41 | PK-U | 41.7 | -20.9 | 0 | 56.21 | - | - | - | - | 68.2 | -11.99 | 156 | 348 | H |

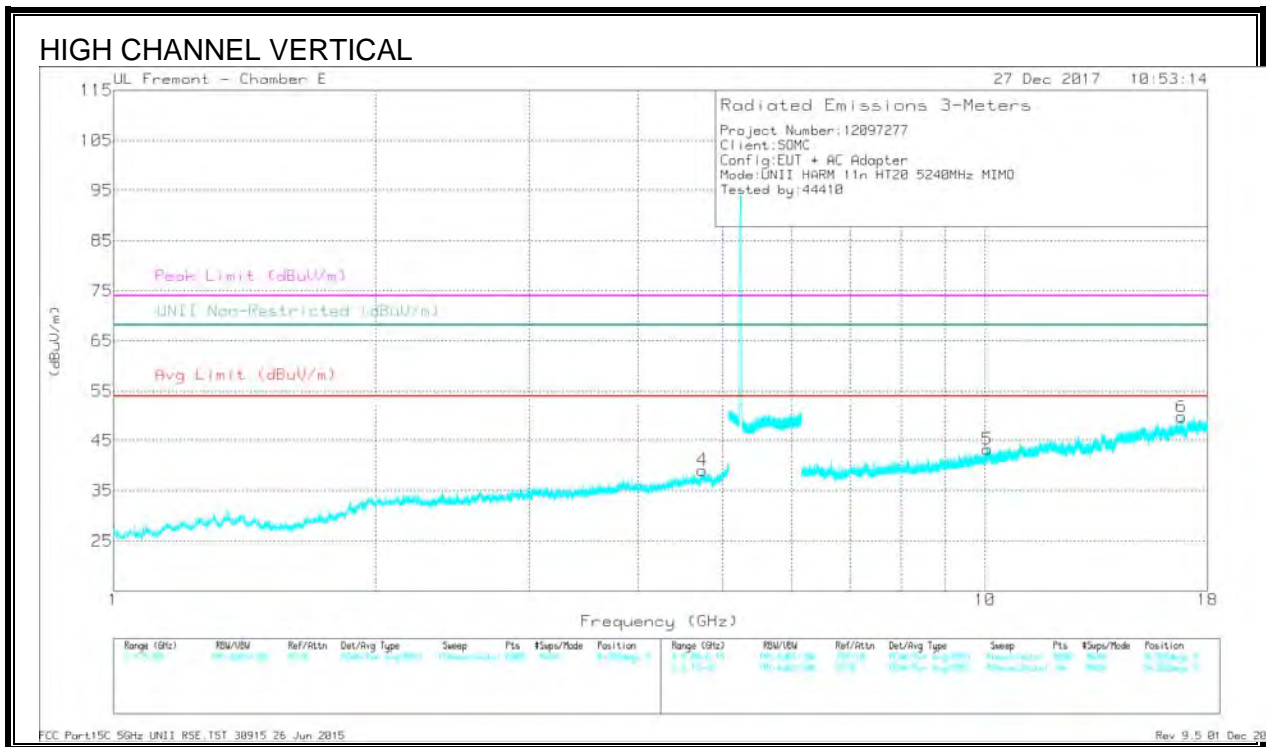
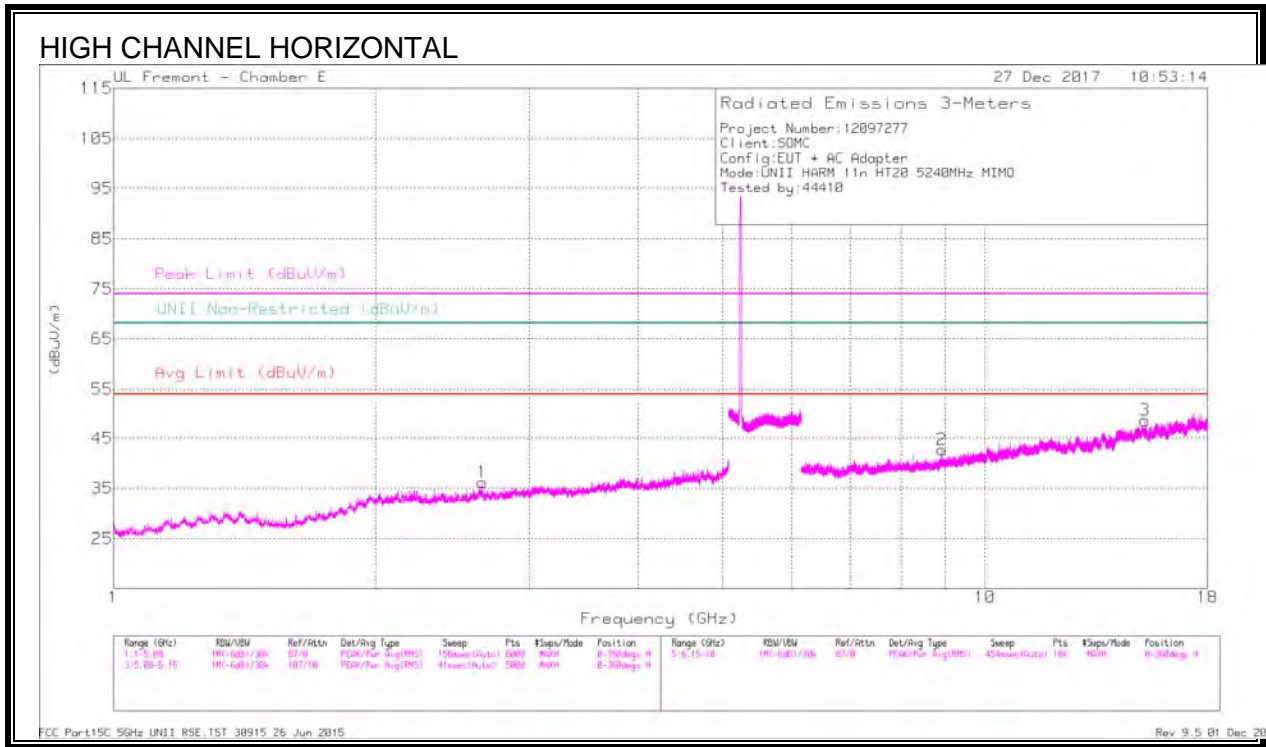
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 PK-U - U-NII: Maximum Peak
 ADR - U-NII AD primary method, RMS average



Radiated Emissions

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF T346 (dB/m) | Amp/Cbl/Filtr/Pad (dB) | DC Corr (dB) | Corrected Reading (dBuV/m) | Avg Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | UNII Non-Restricted (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|------|----------------|------------------------|--------------|----------------------------|--------------------|-------------|---------------------|----------------|------------------------------|----------------|----------------|-------------|----------|
| 2 | * 4.035 | 38.63 | PK-U | 33.6 | -29.2 | 0 | 43.03 | - | - | 74 | -30.97 | - | - | 355 | 249 | H |
| | * 4.034 | 27.1 | ADR | 33.6 | -29.2 | .14 | 31.64 | 54 | -22.36 | - | - | - | - | 355 | 249 | H |
| 4 | * 4.755 | 39.01 | PK-U | 34.4 | -28.9 | 0 | 44.51 | - | - | 74 | -29.49 | - | - | 311 | 376 | V |
| | * 4.758 | 27.54 | ADR | 34.4 | -29 | .14 | 33.08 | 54 | -20.92 | - | - | - | - | 311 | 376 | V |
| 1 | 3.439 | 39.26 | PK-U | 33 | -30.6 | 0 | 41.66 | - | - | - | - | 68.2 | -26.54 | 78 | 347 | H |
| 5 | 7.058 | 38.55 | PK-U | 36.1 | -27.1 | 0 | 47.55 | - | - | - | - | 68.2 | -20.65 | 67 | 181 | V |
| 3 | 7.967 | 36.28 | PK-U | 36.5 | -26.6 | 0 | 46.18 | - | - | - | - | 68.2 | -22.02 | 4 | 373 | H |
| 6 | 10.263 | 34.38 | PK-U | 37.6 | -24.1 | 0 | 47.88 | - | - | - | - | 68.2 | -20.32 | 201 | 234 | V |

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 PK-U - U-NII: Maximum Peak
 ADR - U-NII AD primary method, RMS average



Radiated Emissions

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF T346 (dB/m) | Amp/Cbl/Filtr/Pad (dB) | DC Corr (dB) | Corrected Reading (dBuV/m) | Avg Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | UNII Non-Restricted (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|------|----------------|------------------------|--------------|----------------------------|--------------------|-------------|---------------------|----------------|------------------------------|----------------|----------------|-------------|----------|
| 4 | * 4.74 | 38.31 | PK-U | 34.4 | -28.5 | 0 | 44.21 | - | - | 74 | -29.79 | - | - | 96 | 262 | V |
| | * 4.739 | 27.22 | ADR | 34.4 | -28.5 | -14 | 33.26 | 54 | -20.74 | - | - | - | - | 96 | 262 | V |
| 1 | 2.649 | 39.26 | PK-U | 32.3 | -30.7 | 0 | 40.86 | - | - | - | - | 68.2 | -27.34 | 328 | 334 | H |
| 2 | 8.918 | 36.3 | PK-U | 36.9 | -25.5 | 0 | 47.7 | - | - | - | - | 68.2 | -20.5 | 285 | 146 | H |
| 5 | 10.066 | 34.01 | PK-U | 37.6 | -22.5 | 0 | 49.11 | - | - | - | - | 68.2 | -19.09 | 47 | 173 | V |
| 3 | 15.253 | 34.66 | PK-U | 41.4 | -22.6 | 0 | 53.46 | - | - | - | - | 68.2 | -14.74 | 28 | 194 | H |
| 6 | 16.799 | 34.5 | PK-U | 41.9 | -21.8 | 0 | 54.6 | - | - | - | - | 68.2 | -13.6 | 8 | 305 | V |

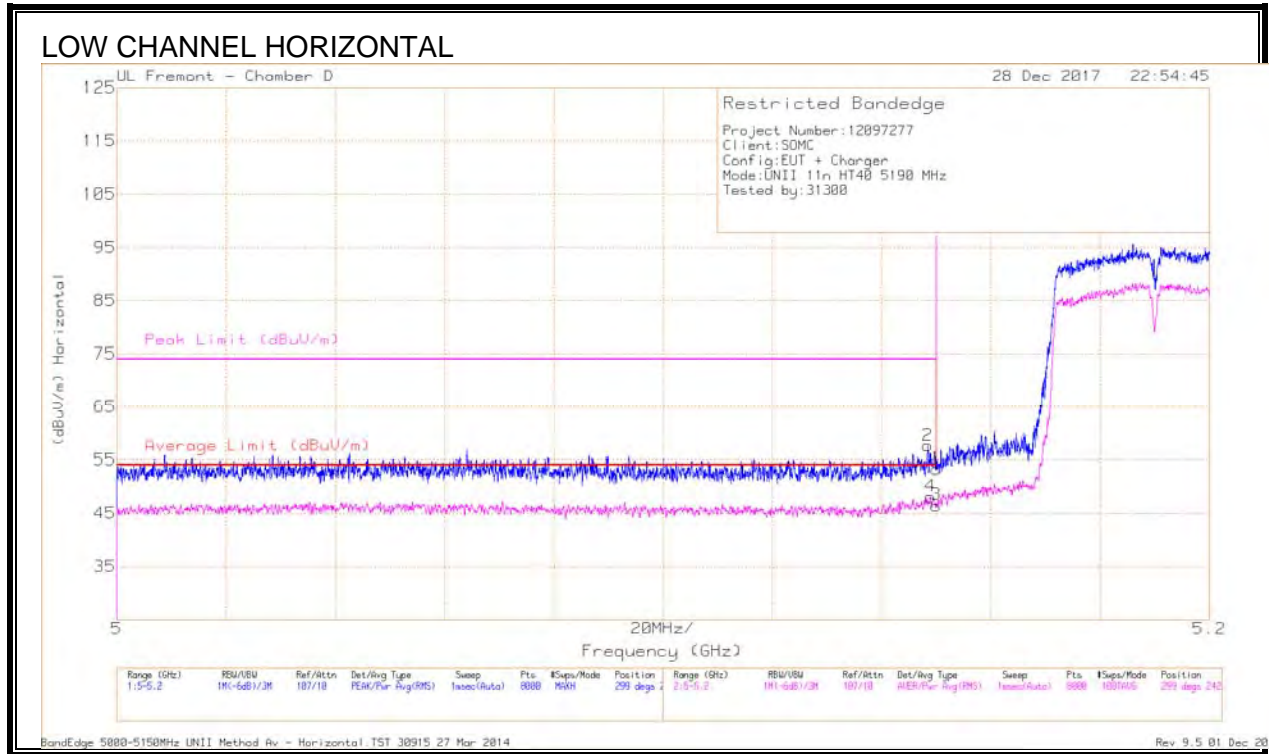
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

10.1.3. 11n HT40 2TX CDD MIMO MODE IN THE 5.2GHZ BAND

RESTRICTED BANDEDGE (LOW CHANNEL)



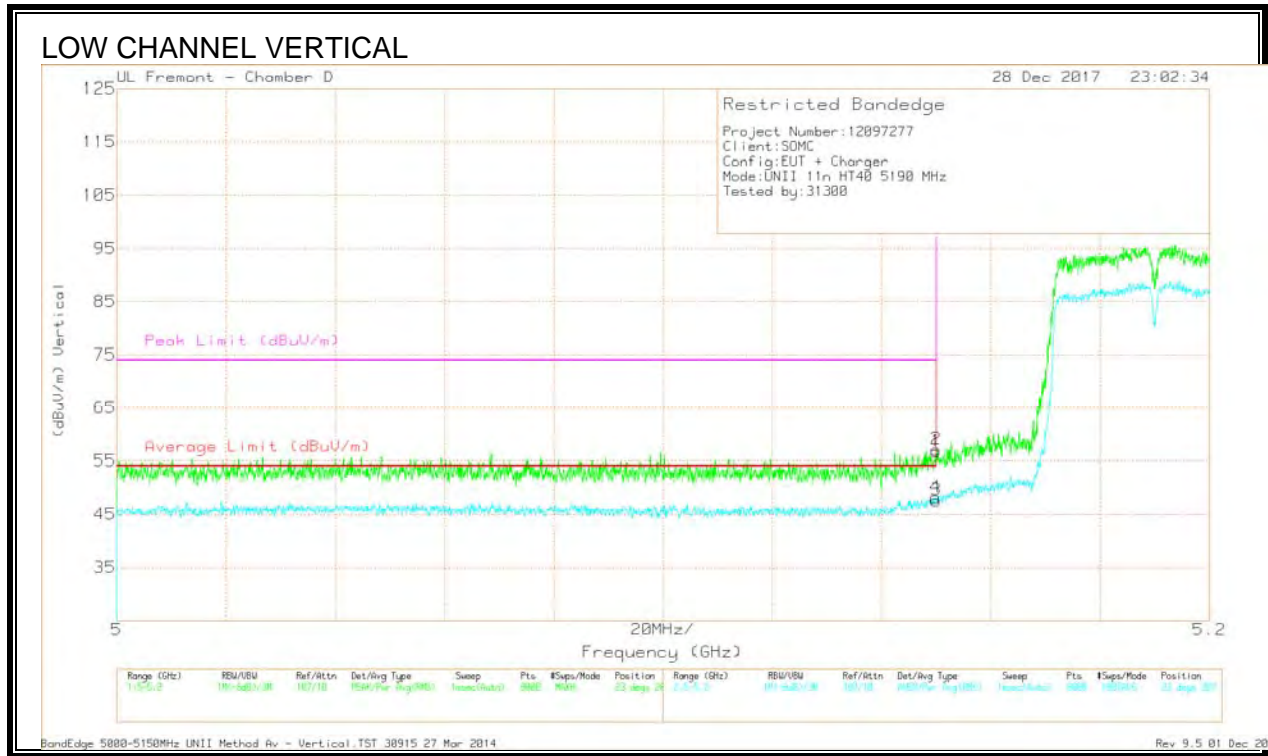
Trace Markers

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF T711 (dB/m) | Amp/Cb/Filtr/Pad (dB) | DC Corr (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|----------------|-----------------------|--------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1 | * 5.15 | 37.31 | Pk | 34.1 | -18.1 | 0 | 53.31 | - | - | 74 | -20.69 | 299 | 242 | H |
| 2 | * 5.148 | 41.65 | Pk | 34.1 | -18.1 | 0 | 57.65 | - | - | 74 | -16.35 | 299 | 242 | H |
| 3 | * 5.15 | 30 | RMS | 34.1 | -18.1 | .48 | 46.48 | 54 | -7.52 | - | - | 299 | 242 | H |
| 4 | * 5.149 | 31.59 | RMS | 34.1 | -18.1 | .48 | 48.07 | 54 | -5.93 | - | - | 299 | 242 | H |

* - indicates frequency in CFR15.205/IC8.10 RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection



Trace Markers

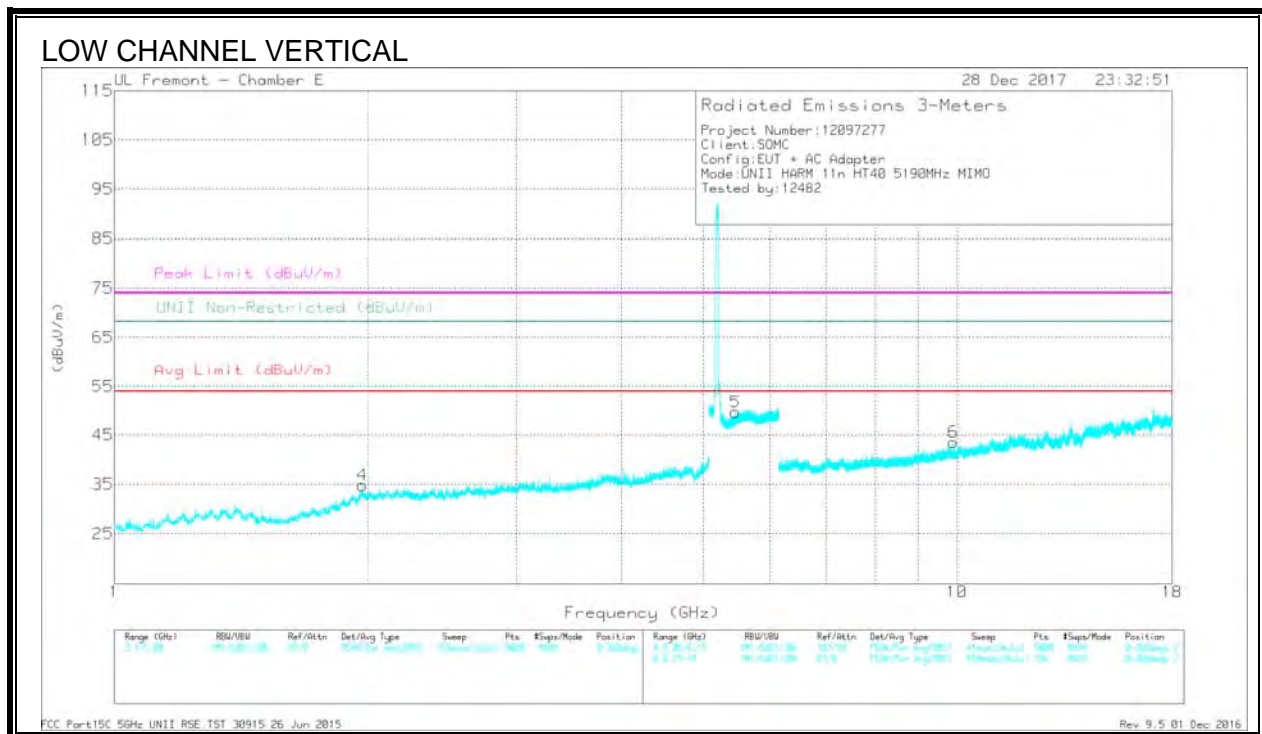
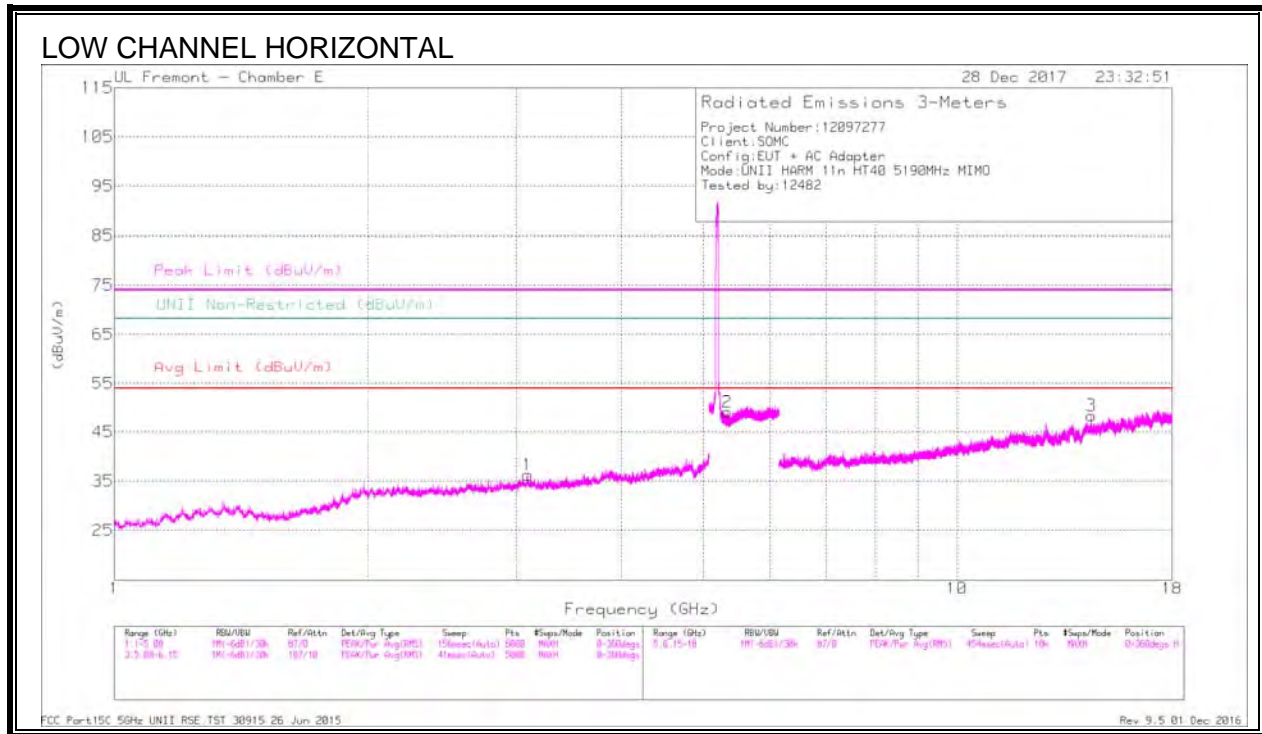
| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF T711 (dB/m) | Amp/Cbl/Filtr/Pad (dB) | DC Corr (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|----------------|------------------------|--------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1 | * 5.15 | 40.72 | Pk | 34.1 | -18.1 | 0 | 56.72 | - | - | 74 | -17.28 | 23 | 207 | V |
| 2 | * 5.15 | 41.11 | Pk | 34.1 | -18.1 | 0 | 57.11 | - | - | 74 | -16.89 | 23 | 207 | V |
| 3 | * 5.15 | 31.1 | RMS | 34.1 | -18.1 | .48 | 47.58 | 54 | -6.42 | - | - | 23 | 207 | V |
| 4 | * 5.15 | 31.6 | RMS | 34.1 | -18.1 | .48 | 48.08 | 54 | -5.92 | - | - | 23 | 207 | V |

* - indicates frequency in CFR15.205/IC8.10 RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

HARMONICS AND SPURIOUS EMISSIONS



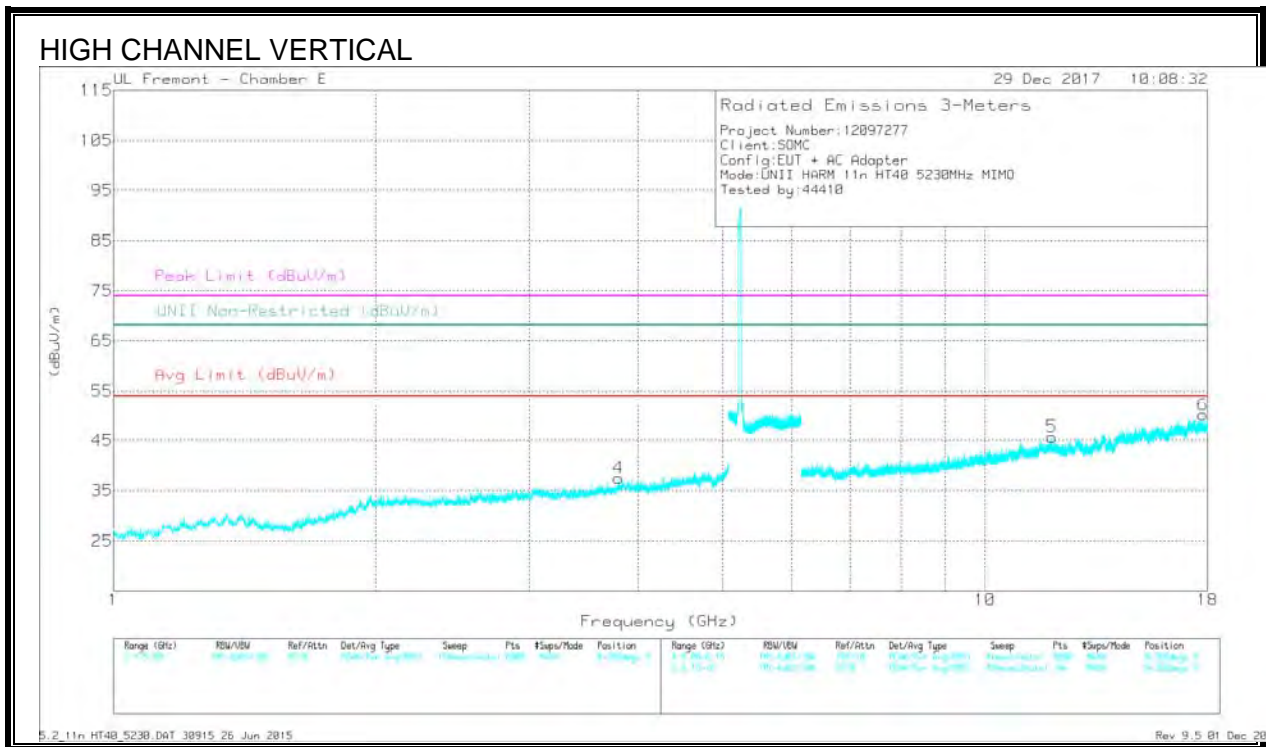
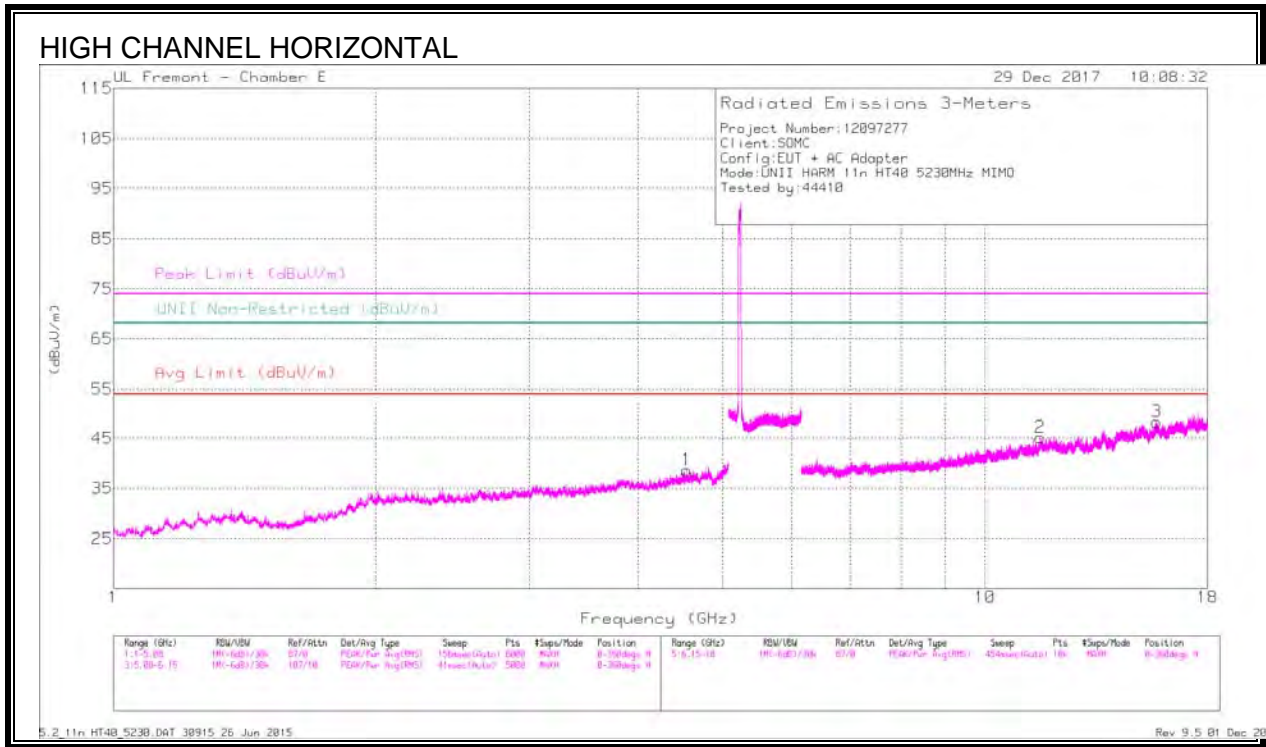
Radiated Emissions

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF T346 (dB/m) | Amp/Cbl/Filtr/Pad (dB) | DC Corr (dB) | Corrected Reading (dBuV/m) | Avg Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | UNII Non-Restricted (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|------|----------------|------------------------|--------------|----------------------------|--------------------|-------------|---------------------|----------------|------------------------------|----------------|----------------|-------------|----------|
| 4 | 1.969 | 41.59 | PK-U | 31.7 | -32.4 | 0 | 40.89 | - | - | - | - | 68.2 | -27.31 | 72 | 243 | V |
| 1 | 3.095 | 39.17 | PK-U | 33.1 | -30.5 | 0 | 41.77 | - | - | - | - | 68.2 | -26.43 | 82 | 295 | H |
| 2 | 5.337 | 38.44 | PK-U | 35 | -18.9 | 0 | 54.54 | - | - | - | - | 68.2 | -13.66 | 225 | 163 | H |
| 5 | 5.464 | 39.36 | PK-U | 35.1 | -18.9 | 0 | 55.56 | - | - | - | - | 68.2 | -12.64 | 357 | 316 | V |
| 6 | 9.904 | 35 | PK-U | 37.7 | -24.5 | 0 | 48.2 | - | - | - | - | 68.2 | -20 | 203 | 133 | V |
| 3 | 14.449 | 35.41 | PK-U | 40.6 | -23.6 | 0 | 52.41 | - | - | - | - | 68.2 | -15.79 | 289 | 330 | H |

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average



Radiated Emissions

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF T346 (dB/m) | Amp/Cbl/Filtr/Pad (dB) | DC Corr (dB) | Corrected Reading (dBuV/m) | Avg Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | UNII Non-Restricted (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|------|----------------|------------------------|--------------|----------------------------|--------------------|-------------|---------------------|----------------|------------------------------|----------------|----------------|-------------|----------|
| 1 | * 4.548 | 38.42 | PK-U | 34.5 | -28.8 | 0 | 44.12 | - | - | 74 | -29.88 | - | - | 273 | 366 | H |
| | * 4.549 | 27.36 | ADR | 34.5 | -28.8 | .48 | 33.54 | 54 | -20.46 | - | - | - | - | 273 | 366 | H |
| 4 | * 3.795 | 39.49 | PK-U | 33.6 | -30 | 0 | 43.09 | - | - | 74 | -30.91 | - | - | 171 | 282 | V |
| | * 3.794 | 28.03 | ADR | 33.6 | -30 | .48 | 32.11 | 54 | -21.89 | - | - | - | - | 171 | 282 | V |
| 2 | * 11.57 | 34.29 | PK-U | 38.7 | -22 | 0 | 50.99 | - | - | 74 | -23.01 | - | - | 188 | 153 | H |
| | * 11.568 | 22.24 | ADR | 38.7 | -22.1 | .48 | 39.32 | 54 | -14.68 | - | - | - | - | 188 | 153 | H |
| 3 | * 15.724 | 34.74 | PK-U | 41.7 | -22 | 0 | 54.44 | - | - | 74 | -19.56 | - | - | 13 | 158 | H |
| | * 15.723 | 22.94 | ADR | 41.7 | -21.9 | .48 | 43.22 | 54 | -10.78 | - | - | - | - | 13 | 158 | H |
| 5 | * 11.939 | 34.8 | PK-U | 39.5 | -23.9 | 0 | 50.4 | - | - | 74 | -23.6 | - | - | 103 | 108 | V |
| | * 11.939 | 23.46 | ADR | 39.5 | -23.9 | .48 | 39.54 | 54 | -14.46 | - | - | - | - | 103 | 108 | V |
| 6 | * 17.788 | 33.92 | PK-U | 41.4 | -20.7 | 0 | 54.62 | - | - | 74 | -19.38 | - | - | 356 | 371 | V |
| | * 17.785 | 22.54 | ADR | 41.4 | -20.7 | .48 | 43.72 | 54 | -10.28 | - | - | - | - | 356 | 371 | V |

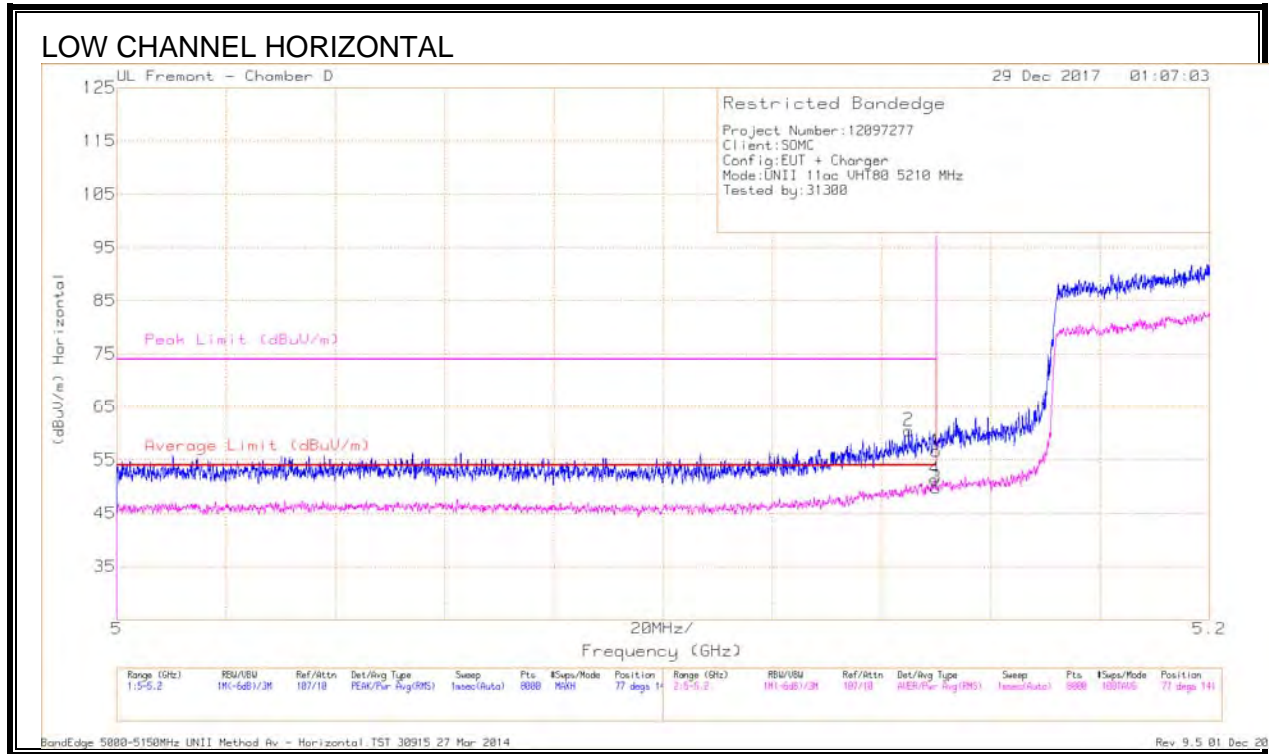
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

10.1.4. 11ac HT80 2TX CDD MIMO MODE IN THE 5.2GHz BAND

RESTRICTED BANDEDGE (LOW CHANNEL)



Trace Markers

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF T711 (dB/m) | Amp/Cb/Fltr/Pad (dB) | DC Corr (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|----------------|----------------------|--------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 2 | * 5.145 | 44.51 | Pk | 34.1 | -18.1 | 0 | 60.51 | - | - | 74 | -13.49 | 77 | 141 | H |
| 1 | * 5.15 | 40.63 | Pk | 34.1 | -18.1 | 0 | 56.63 | - | - | 74 | -17.37 | 77 | 141 | H |
| 3 | * 5.15 | 33.06 | RMS | 34.1 | -18.1 | .73 | 49.79 | 54 | -4.21 | - | - | 77 | 141 | H |
| 4 | * 5.15 | 34.63 | RMS | 34.1 | -18.1 | .73 | 51.36 | 54 | -2.64 | - | - | 77 | 141 | H |

* - indicates frequency in CFR15.205/IC8.10 RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection



Trace Markers

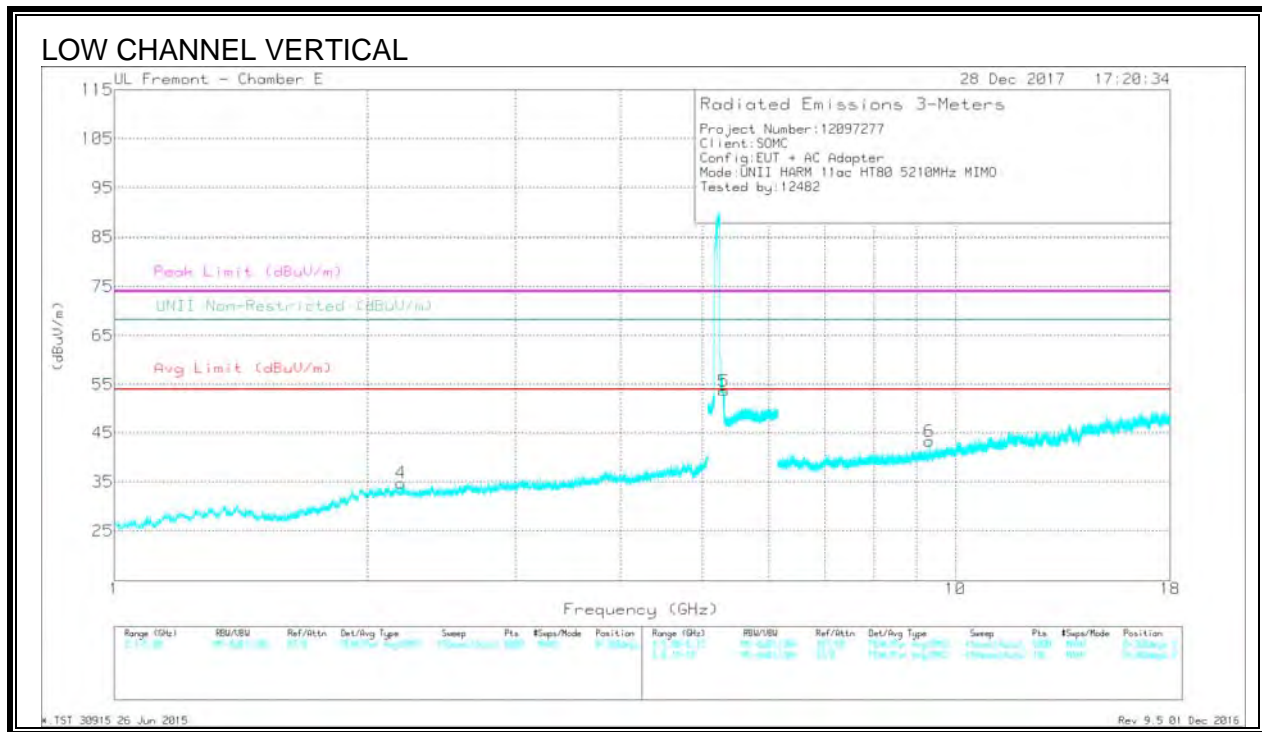
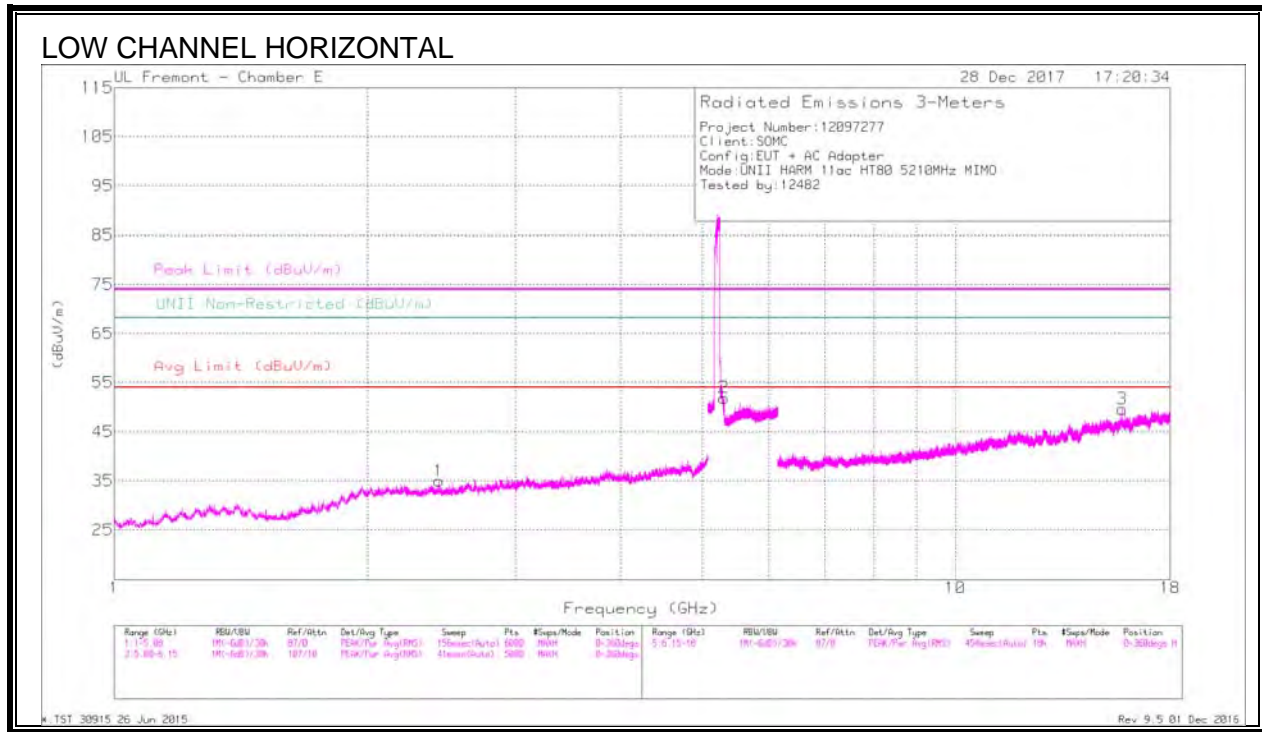
| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF T711 (dB/m) | Amp/Cbl/Filtr/Pad (dB) | DC Corr (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|----------------|------------------------|--------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 4 | * 5.044 | 30.3 | RMS | 34.1 | -17.7 | .73 | 47.43 | 54 | -6.57 | - | - | 41 | 140 | V |
| 2 | * 5.145 | 40.9 | Pk | 34.1 | -18.1 | 0 | 56.9 | - | - | 74 | -17.1 | 41 | 140 | V |
| 1 | * 5.15 | 35.59 | Pk | 34.1 | -18.1 | 0 | 51.59 | - | - | 74 | -22.41 | 41 | 140 | V |
| 3 | * 5.15 | 29.36 | RMS | 34.1 | -18.1 | .73 | 46.09 | 54 | -7.91 | - | - | 41 | 140 | V |

* - indicates frequency in CFR15.205/IC8.10 RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

HARMONICS AND SPURIOUS EMISSIONS



Radiated Emissions

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF T346 (dB/m) | Amp/Cb/Filtr/Pad (dB) | DC Corr (dB) | Corrected Reading (dBuV/m) | Avg Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | UNII Non-Restricted (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|------|----------------|-----------------------|--------------|----------------------------|--------------------|-------------|---------------------|----------------|------------------------------|----------------|----------------|-------------|----------|
| 3 | * 15.781 | 35.01 | PK-U | 41.7 | -22.8 | 0 | 53.91 | - | - | 74 | -20.09 | - | - | 299 | 311 | H |
| | * 15.78 | 23.68 | ADR | 41.7 | -22.9 | .73 | 43.21 | 54 | -10.79 | - | - | - | - | 299 | 311 | H |
| 6 | * 9.309 | 35.4 | PK-U | 37.2 | -25.4 | 0 | 47.2 | - | - | 74 | -26.8 | - | - | 229 | 364 | V |
| | * 9.309 | 23.99 | ADR | 37.2 | -25.4 | .73 | 36.52 | 54 | -17.48 | - | - | - | - | 229 | 364 | V |
| 4 | 2.193 | 40.8 | PK-U | 32.1 | -32.3 | 0 | 40.6 | - | - | - | - | 68.2 | -27.6 | 133 | 129 | V |
| 1 | 2.433 | 40.49 | PK-U | 32 | -32.1 | 0 | 40.39 | - | - | - | - | 68.2 | -27.81 | 202 | 259 | H |
| 2 | 5.307 | 41.91 | PK-U | 35 | -18.9 | 0 | 58.01 | - | - | - | - | 68.2 | -10.19 | 56 | 215 | H |
| 5 | 5.307 | 43.92 | PK-U | 35 | -18.9 | 0 | 60.02 | - | - | - | - | 68.2 | -8.18 | 166 | 101 | V |

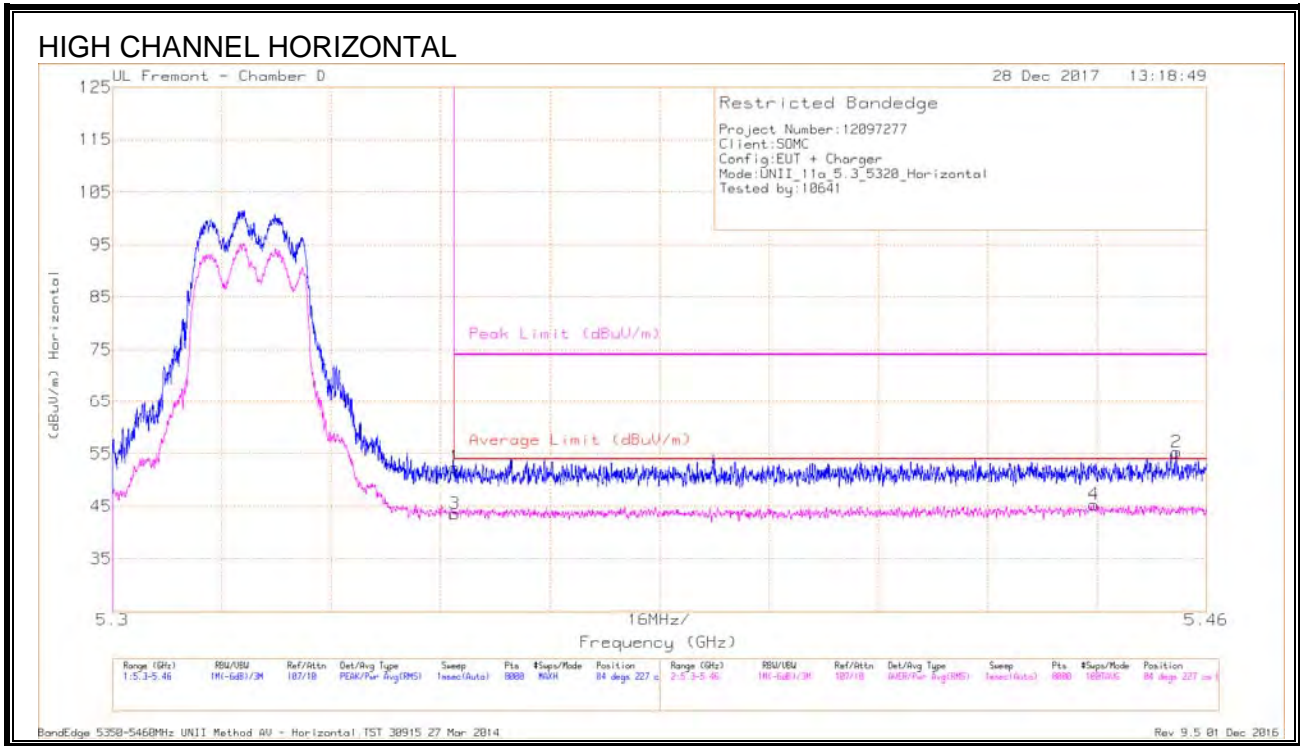
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

10.1.5. 11a 2TX CDD MIMO MODE IN THE 5.3GHZ BAND

AUTHORIZED BANDEDGE (HIGH CHANNEL)



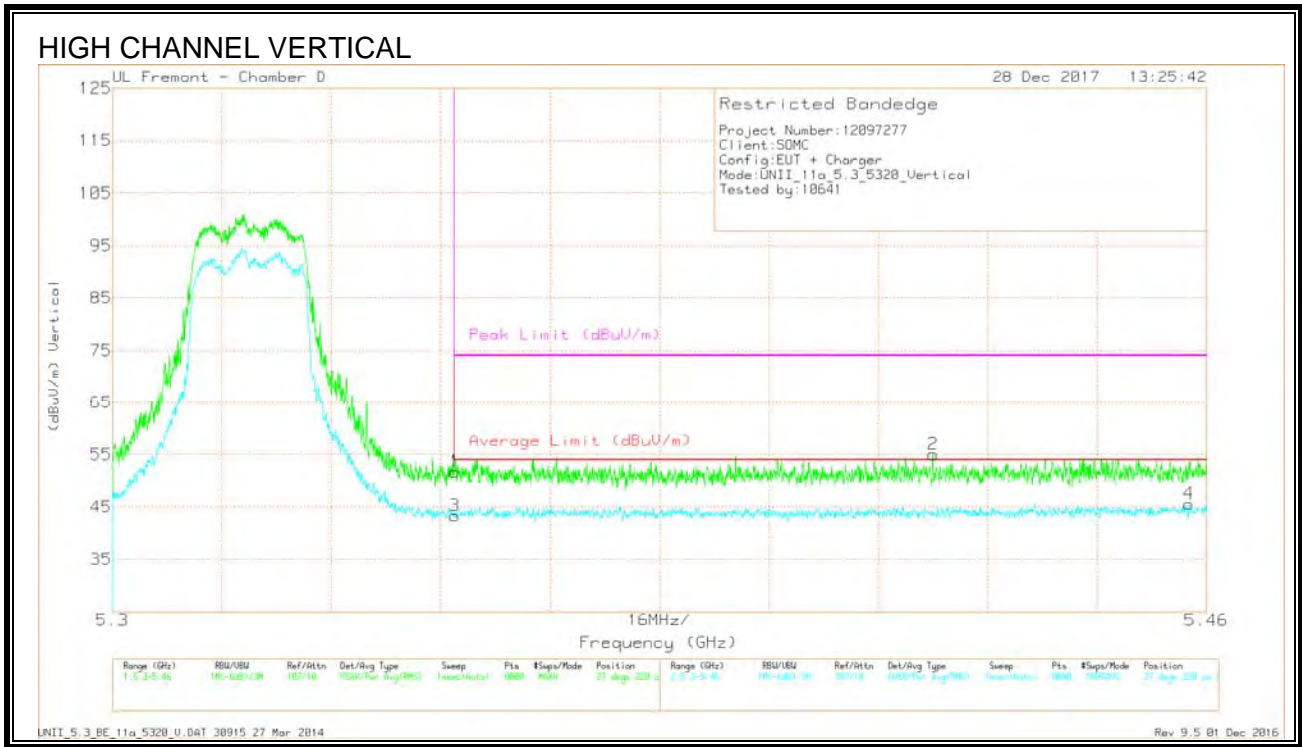
Trace Markers

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF T711 (dB/m) | Amp/Cbl/Filtr/Pad (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|----------------|------------------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1 | * 5.35 | 36.11 | Pk | 34.3 | -18 | 52.41 | - | - | 74 | -21.59 | 84 | 227 | H |
| 3 | * 5.35 | 27.34 | RMS | 34.3 | -18 | 43.64 | 54 | -10.36 | - | - | 84 | 227 | H |
| 4 | * 5.443 | 28.69 | RMS | 34.4 | -17.8 | 45.29 | 54 | -8.71 | - | - | 84 | 227 | H |
| 2 | * 5.456 | 38.57 | Pk | 34.4 | -17.7 | 55.27 | - | - | 74 | -18.73 | 84 | 227 | H |

* - indicates frequency in CFR15.205/IC8.10 RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection



Trace Markers

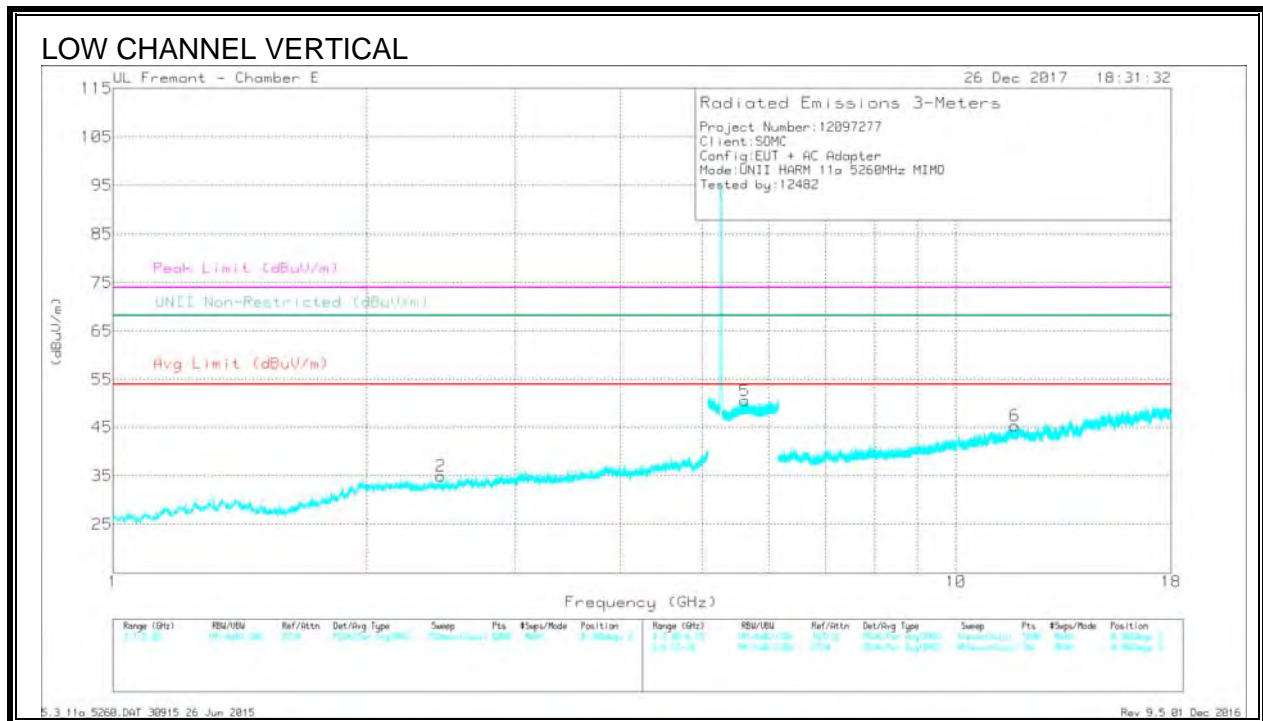
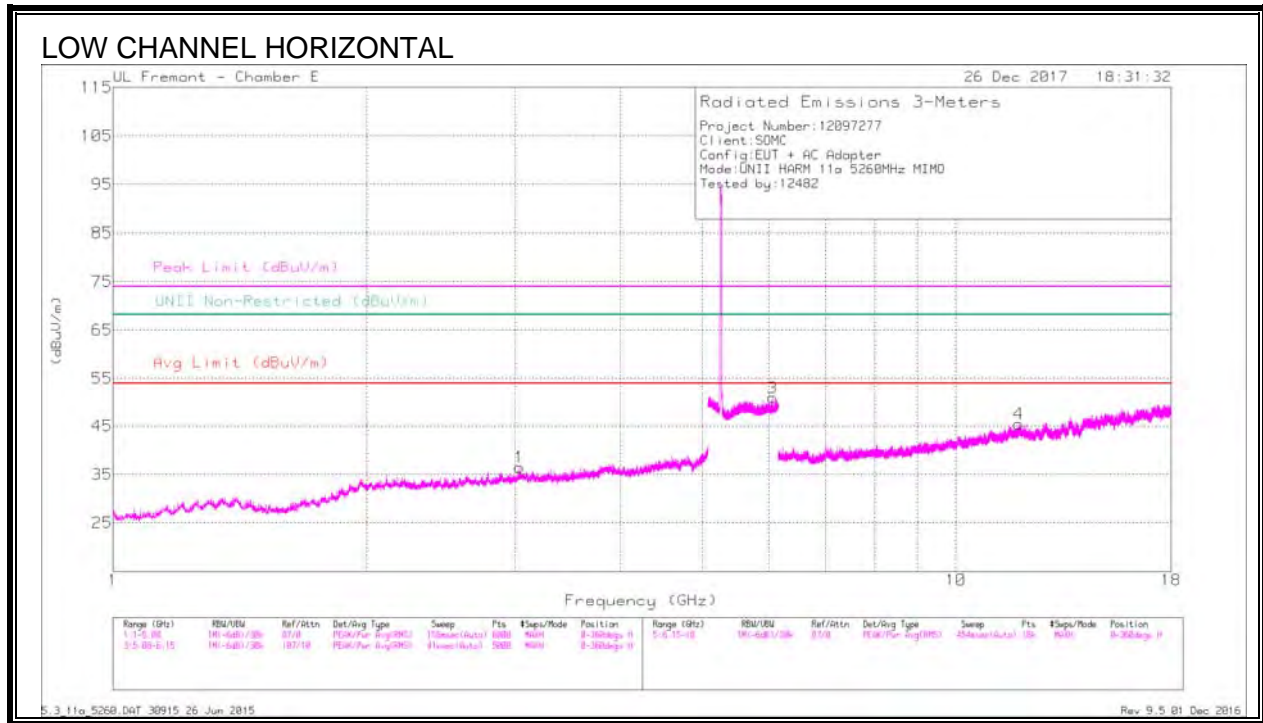
| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF T711 (dB/m) | Amp/Cbl/Filtr/Pad (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|----------------|------------------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1 | * 5.35 | 35.35 | Pk | 34.3 | -18 | 51.65 | - | - | 74 | -22.35 | 27 | 220 | V |
| 3 | * 5.35 | 27.03 | RMS | 34.3 | -18 | 43.33 | 54 | -10.67 | - | - | 27 | 220 | V |
| 2 | * 5.42 | 38.56 | Pk | 34.3 | -17.9 | 54.96 | - | - | 74 | -19.04 | 27 | 220 | V |
| 4 | * 5.457 | 28.87 | RMS | 34.4 | -17.7 | 45.57 | 54 | -8.43 | - | - | 27 | 220 | V |

* - indicates frequency in CFR15.205/IC8.10 RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

HARMONICS AND SPURIOUS EMISSIONS



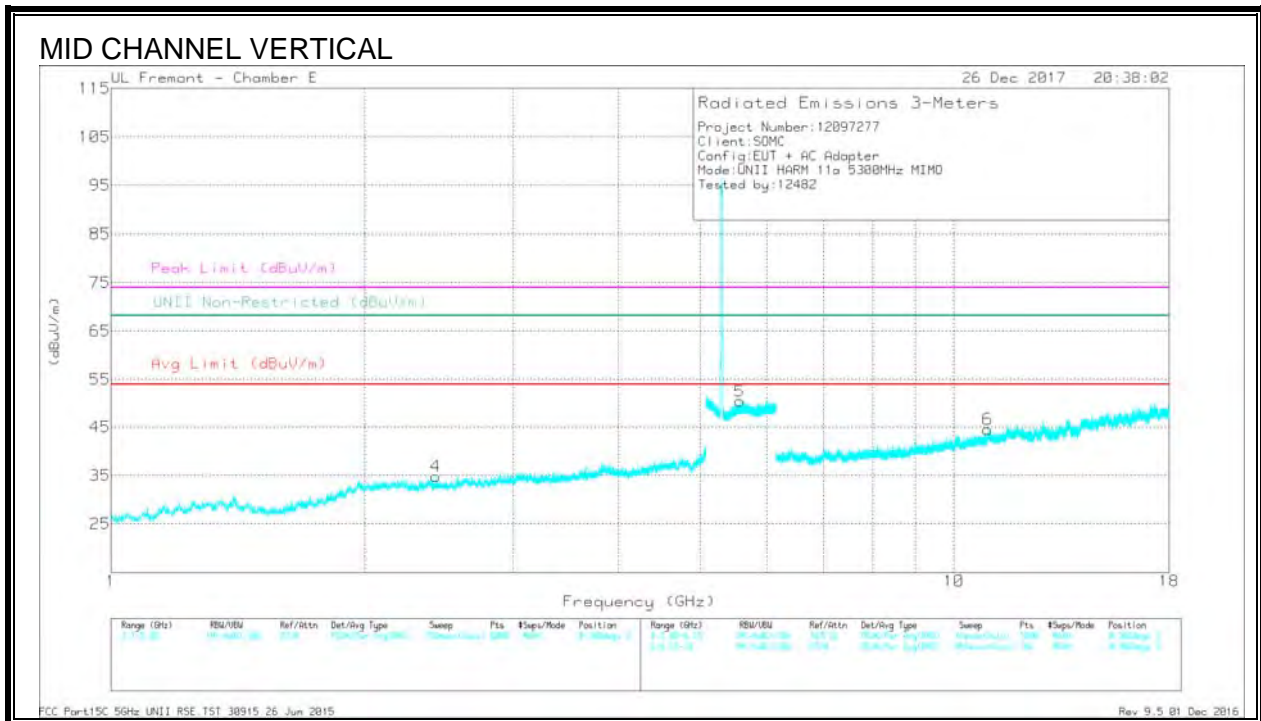
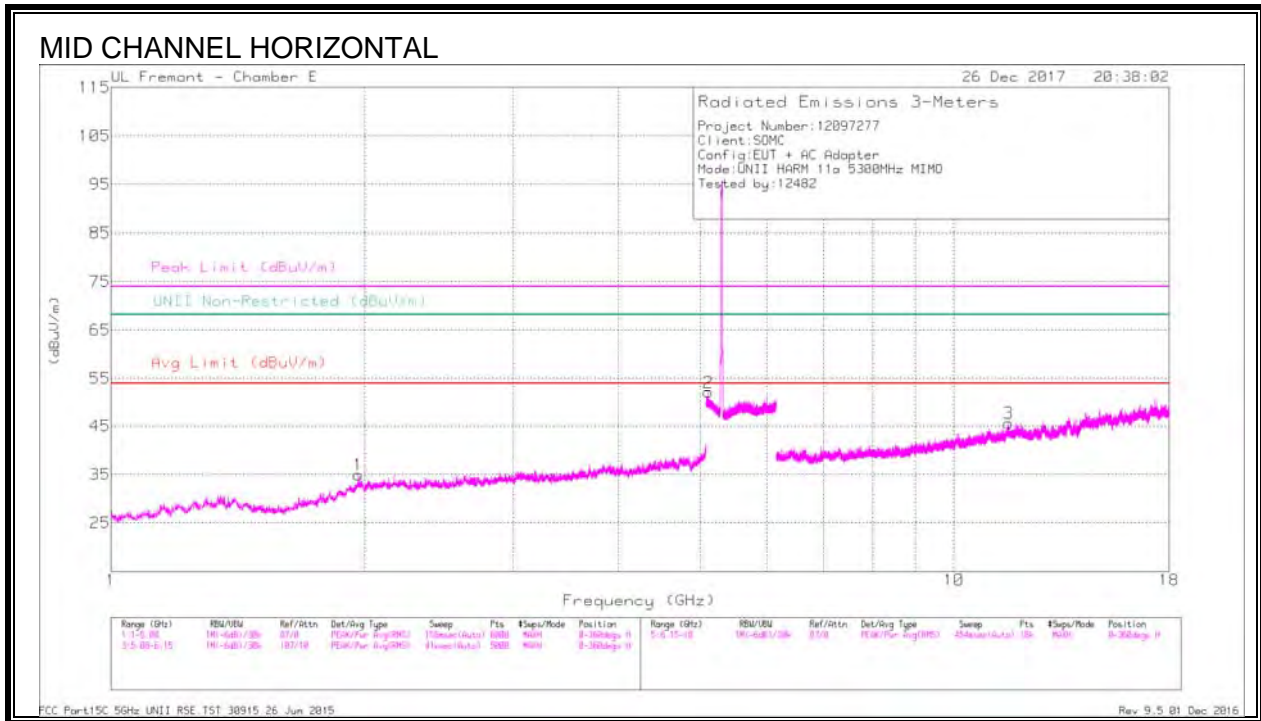
Radiated Emissions

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF T346 (dB/m) | Amp/Cbl/Filtr/Pad (dB) | DC Corr (dB) | Corrected Reading (dBuV/m) | Avg Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | UNII Non-Restricted (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|------|----------------|------------------------|--------------|----------------------------|--------------------|-------------|---------------------|----------------|------------------------------|----------------|----------------|-------------|----------|
| 4 | * 11.868 | 34.55 | PK-U | 39.4 | -22.8 | 0 | 51.15 | - | - | 74 | -22.85 | - | - | 74 | 231 | H |
| | * 11.865 | 22.65 | ADR | 39.4 | -22.8 | 0 | 39.25 | 54 | -14.75 | - | - | - | - | 74 | 231 | H |
| 6 | * 11.753 | 34.82 | PK-U | 39.3 | -23.5 | 0 | 50.62 | - | - | 74 | -23.38 | - | - | 74 | 231 | V |
| | * 11.751 | 23.81 | ADR | 39.3 | -23.5 | 0 | 39.61 | 54 | -14.39 | - | - | - | - | 74 | 231 | V |
| 2 | 2.45 | 40.4 | PK-U | 32 | -32.3 | 0 | 40.1 | - | - | - | - | 68.2 | -28.1 | 114 | 391 | V |
| 1 | 3.035 | 39.33 | PK-U | 33 | -30.4 | 0 | 41.93 | - | - | - | - | 68.2 | -26.27 | 187 | 306 | H |
| 5 | 5.614 | 40.27 | PK-U | 35 | -19.1 | 0 | 56.17 | - | - | - | - | 68.2 | -12.03 | 127 | 163 | V |
| 3 | 6.061 | 40.07 | PK-U | 35.5 | -18.4 | 0 | 57.17 | - | - | - | - | 68.2 | -11.03 | 119 | 185 | H |

* - indicates frequency in CFR15.205/IC8.10 RSS-Restricted Band

PK-U - U-NII: Maximum Peak

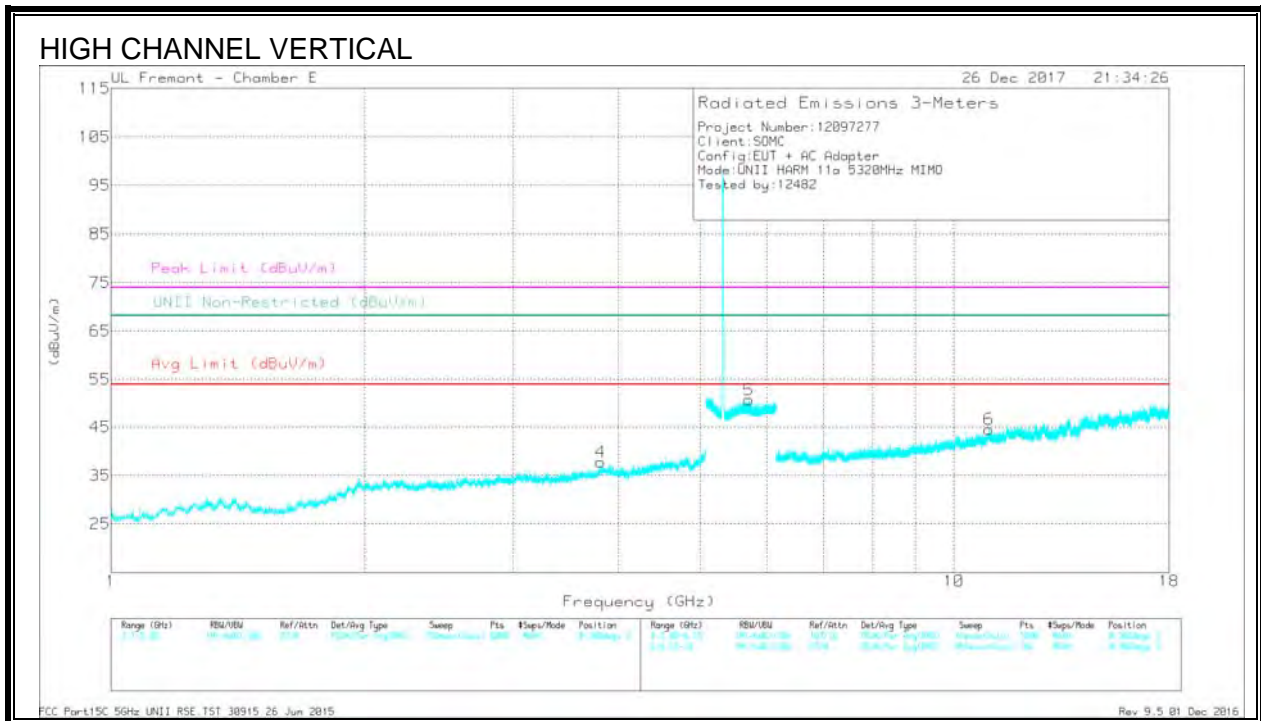
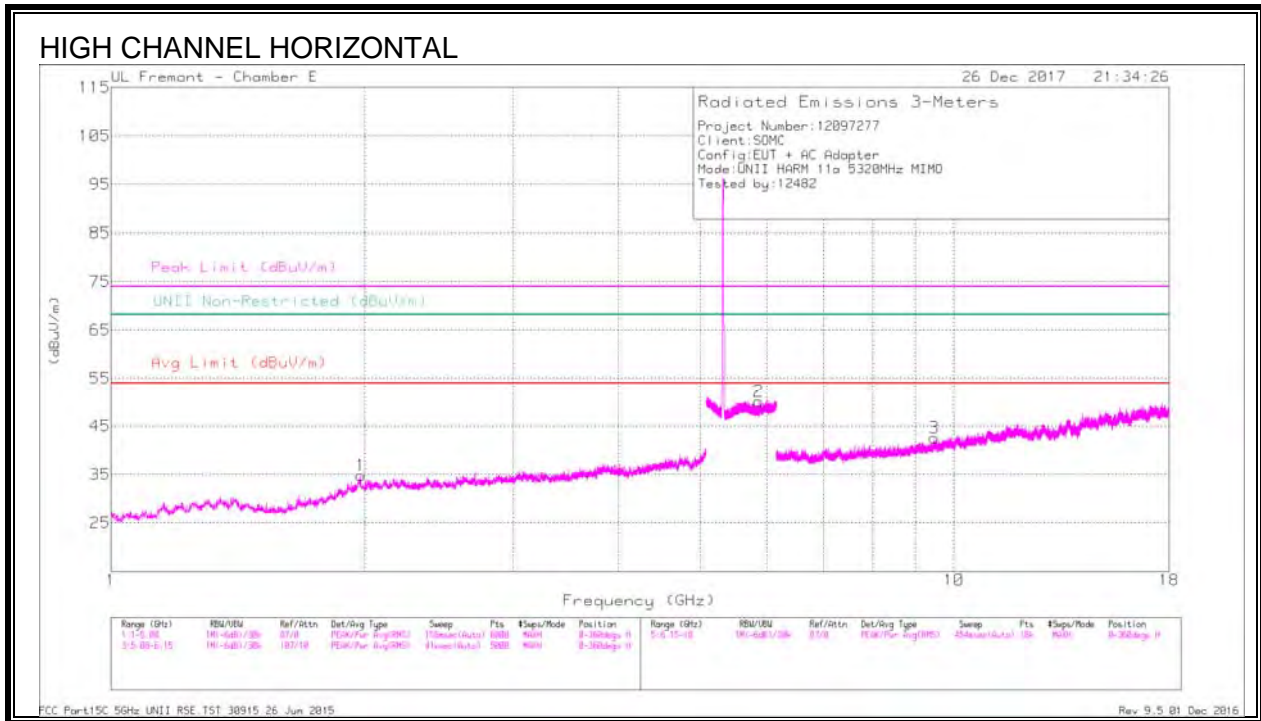
ADR - U-NII AD primary method, RMS average



Radiated Emissions

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF T346 (dB/m) | Amp/Cb/Filtr/Pad (dB) | DC Corr (dB) | Corrected Reading (dBuV/m) | Avg Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | UNII Non-Restricted (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|------|----------------|-----------------------|--------------|----------------------------|--------------------|-------------|---------------------|----------------|------------------------------|----------------|----------------|-------------|----------|
| 2 | * 5.11 | 40.86 | PK-U | 34.7 | -18.3 | 0 | 57.26 | - | - | 74 | -16.74 | - | - | 229 | 267 | H |
| | * 5.106 | 28.92 | ADR | 34.7 | -18.3 | 0 | 45.32 | 54 | -8.68 | - | - | - | - | 229 | 267 | H |
| 3 | * 11.608 | 33.85 | PK-U | 38.8 | -22.1 | 0 | 50.55 | - | - | 74 | -23.45 | - | - | 118 | 283 | H |
| | * 11.61 | 22.41 | ADR | 38.8 | -22.2 | 0 | 39.01 | 54 | -14.99 | - | - | - | - | 118 | 283 | H |
| 6 | * 10.966 | 34.54 | PK-U | 38.4 | -22.6 | 0 | 50.34 | - | - | 74 | -23.66 | - | - | 318 | 294 | V |
| | * 10.968 | 22.47 | ADR | 38.4 | -22.6 | 0 | 38.27 | 54 | -15.73 | - | - | - | - | 318 | 294 | V |
| 1 | 1.964 | 41.35 | PK-U | 31.6 | -32.4 | 0 | 40.55 | - | - | - | - | 68.2 | -27.65 | 65 | 242 | H |
| 4 | 2.429 | 40.16 | PK-U | 32 | -32 | 0 | 40.16 | - | - | - | - | 68.2 | -28.04 | 133 | 148 | V |
| 5 | 5.573 | 40.07 | PK-U | 35 | -19.1 | 0 | 55.97 | - | - | - | - | 68.2 | -12.23 | 285 | 289 | V |

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 PK-U - U-NII: Maximum Peak
 ADR - U-NII AD primary method, RMS average



Radiated Emissions

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF T346 (dB/m) | Amp/Cb/Filtr/Pad (dB) | DC Corr (dB) | Corrected Reading (dBuV/m) | Avg Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | UNII Non-Restricted (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|------|----------------|-----------------------|--------------|----------------------------|--------------------|-------------|---------------------|----------------|------------------------------|----------------|----------------|-------------|----------|
| 4 | * 3.808 | 39.77 | PK-U | 33.7 | -29.6 | 0 | 43.87 | - | - | 74 | -30.13 | - | - | 319 | 243 | V |
| | * 3.808 | 27.67 | ADR | 33.7 | -29.6 | 0 | 31.77 | 54 | -22.23 | - | - | - | - | 319 | 243 | V |
| 3 | * 9.472 | 35.7 | PK-U | 37.2 | -24.4 | 0 | 48.5 | - | - | 74 | -25.5 | - | - | 133 | 344 | H |
| | * 9.472 | 23.59 | ADR | 37.2 | -24.4 | 0 | 36.39 | 54 | -17.61 | - | - | - | - | 133 | 344 | H |
| 6 | * 11.01 | 34.29 | PK-U | 38.5 | -22.4 | 0 | 50.39 | - | - | 74 | -23.61 | - | - | 321 | 376 | V |
| | * 11.013 | 22.74 | ADR | 38.5 | -22.4 | 0 | 38.64 | 54 | -15.36 | - | - | - | - | 321 | 376 | V |
| 1 | 1.976 | 41.42 | PK-U | 31.8 | -32.5 | 0 | 40.72 | - | - | - | - | 68.2 | -27.48 | 128 | 288 | H |
| 5 | 5.709 | 39.88 | PK-U | 35.1 | -19.1 | 0 | 55.88 | - | - | - | - | 68.2 | -12.32 | 197 | 119 | V |
| 2 | 5.865 | 39.26 | PK-U | 35.2 | -19 | 0 | 55.46 | - | - | - | - | 68.2 | -12.74 | 162 | 280 | H |

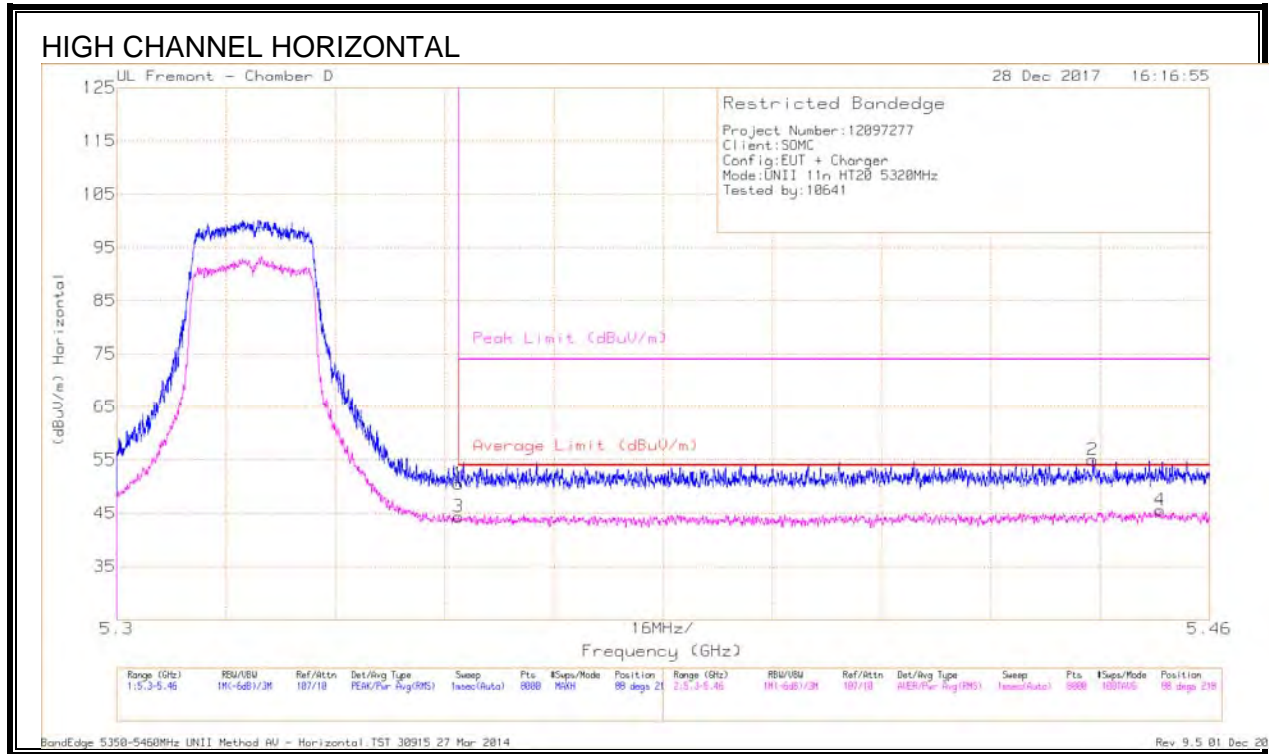
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

10.1.6. 11n HT20 2TX CDD MIMO MODE IN THE 5.3GHZ BAND

AUTHORIZED BANDEDGE (HIGH CHANNEL)



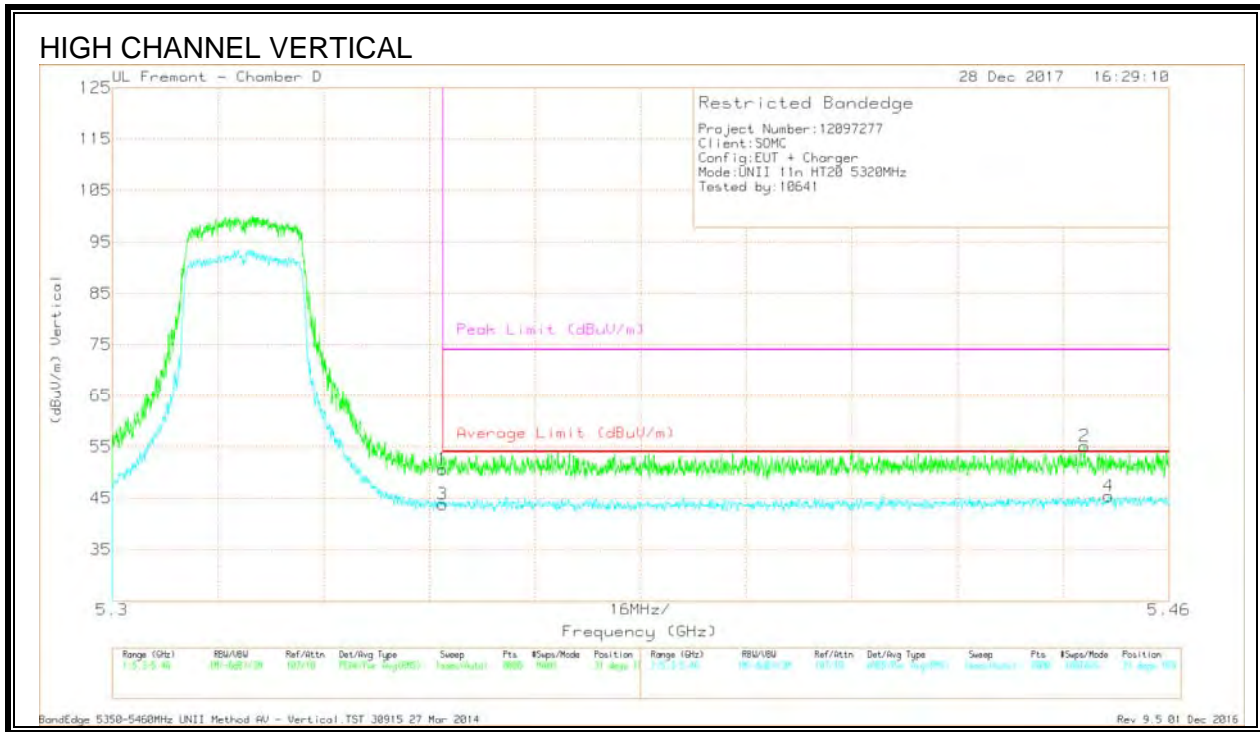
Trace Markers

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF T711 (dB/m) | Amp/Cb/Filtr/Pad (dB) | DC Corr (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|----------------|-----------------------|--------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1 | * 5.35 | 34.19 | Pk | 34.3 | -18 | 0 | 50.49 | - | - | 74 | -23.51 | 88 | 218 | H |
| 3 | * 5.35 | 27.89 | RMS | 34.3 | -18 | .14 | 44.33 | 54 | -9.67 | - | - | 88 | 218 | H |
| 2 | * 5.443 | 38.36 | Pk | 34.4 | -17.8 | 0 | 54.96 | - | - | 74 | -19.04 | 88 | 218 | H |
| 4 | * 5.453 | 28.71 | RMS | 34.4 | -17.7 | .14 | 45.55 | 54 | -8.45 | - | - | 88 | 218 | H |

* - indicates frequency in CFR15.205/IC8.10 RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection



Trace Markers

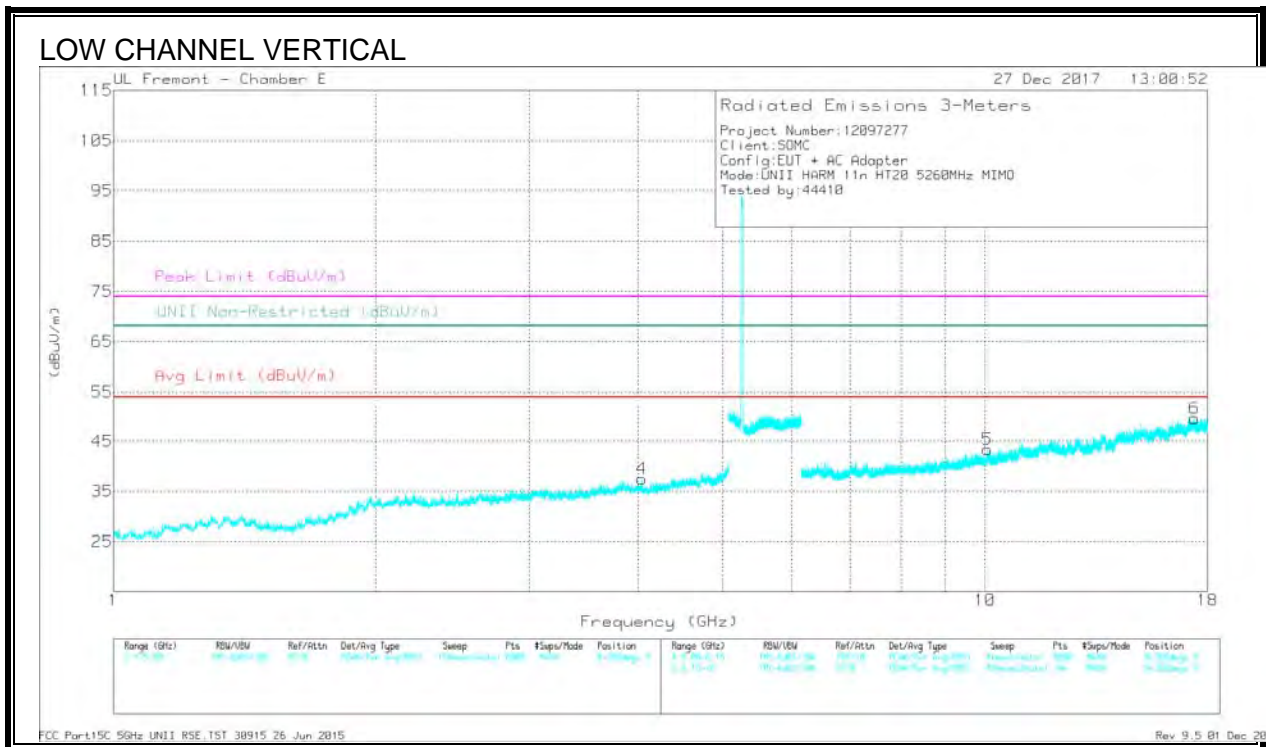
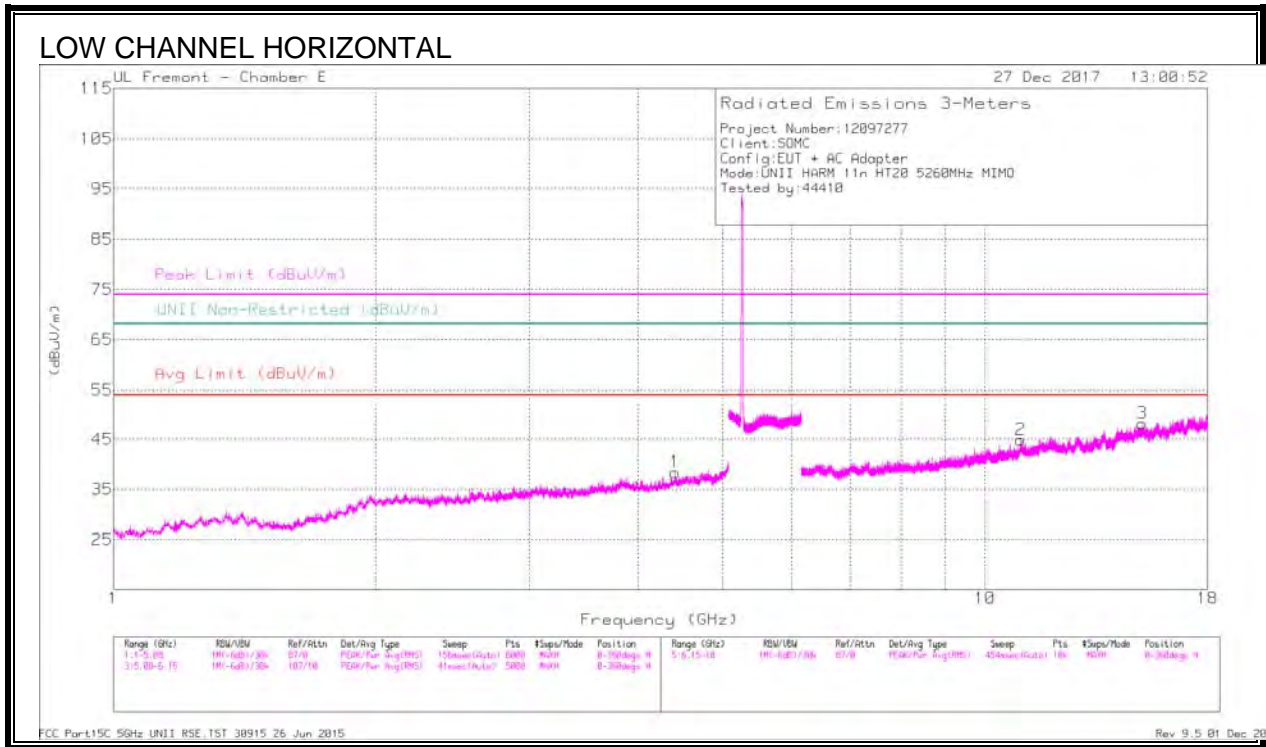
| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF T711 (dB/m) | Amp/Cb/Filtr/Pad (dB) | DC Corr (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|----------------|-----------------------|--------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1 | * 5.35 | 34.31 | Pk | 34.3 | -18 | 0 | 50.61 | - | - | 74 | -23.39 | 31 | 189 | V |
| 2 | * 5.447 | 38.53 | Pk | 34.4 | -17.8 | 0 | 55.13 | - | - | 74 | -18.87 | 31 | 189 | V |
| 3 | * 5.35 | 27.37 | RMS | 34.3 | -18 | .14 | 43.81 | 54 | -10.19 | - | - | 31 | 189 | V |
| 4 | * 5.451 | 28.56 | RMS | 34.4 | -17.7 | .14 | 45.4 | 54 | -8.6 | - | - | 31 | 189 | V |

* - indicates frequency in CFR15.205/IC8.10 RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

HARMONICS AND SPURIOUS EMISSIONS



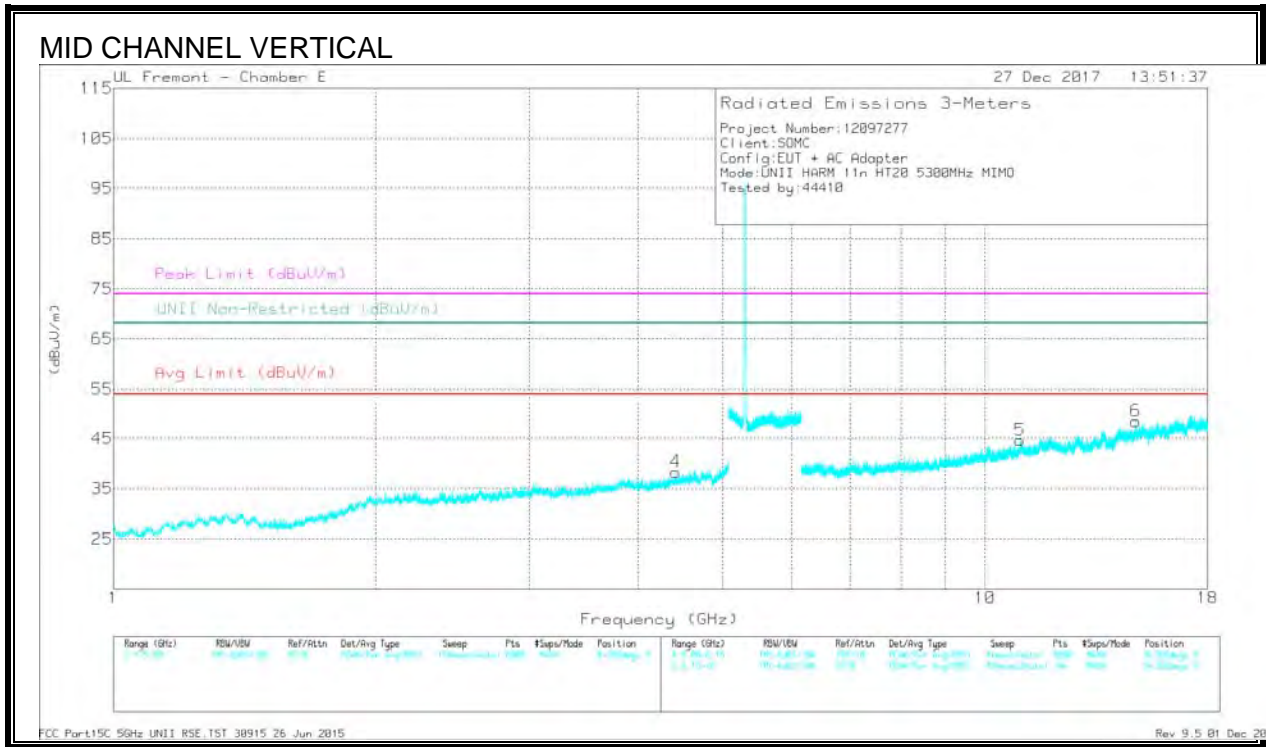
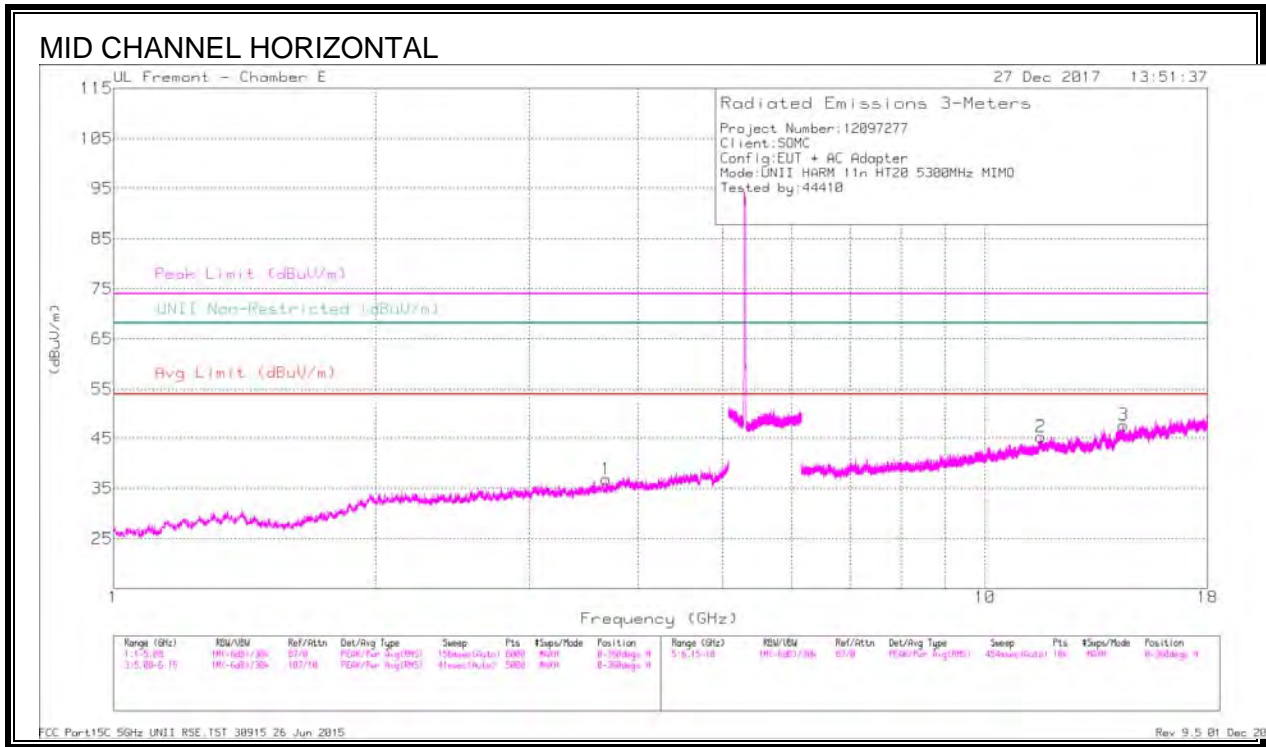
Radiated Emissions

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF T346 (dB/m) | Amp/Cb/Filtr/Pad (dB) | DC Corr (dB) | Corrected Reading (dBuV/m) | Avg Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | UNII Non-Restricted (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|------|----------------|-----------------------|--------------|----------------------------|--------------------|-------------|---------------------|----------------|------------------------------|----------------|----------------|-------------|----------|
| 4 | * 4.037 | 38.47 | PK-U | 33.6 | -29.2 | 0 | 42.87 | - | - | 74 | -31.13 | - | - | 345 | 278 | V |
| | * 4.041 | 27.14 | ADR | 33.6 | -29.2 | .14 | 31.68 | 54 | -22.32 | - | - | - | - | 345 | 278 | V |
| 2 | * 10.986 | 33.45 | PK-U | 38.4 | -22.3 | 0 | 49.55 | - | - | 74 | -24.45 | - | - | 329 | 280 | H |
| | * 10.987 | 22.4 | ADR | 38.4 | -22.3 | .14 | 38.64 | 54 | -15.36 | - | - | - | - | 329 | 280 | H |
| 1 | 4.41 | 39.12 | PK-U | 34.1 | -29.1 | 0 | 44.12 | - | - | - | - | 68.2 | -24.08 | 0 | 109 | H |
| 5 | 10.061 | 34.57 | PK-U | 37.6 | -22.7 | 0 | 49.47 | - | - | - | - | 68.2 | -18.73 | 282 | 348 | V |
| 3 | 15.145 | 34.53 | PK-U | 41.3 | -22.6 | 0 | 53.23 | - | - | - | - | 68.2 | -14.97 | 25 | 212 | H |
| 6 | 17.382 | 34.14 | PK-U | 41.6 | -20.5 | 0 | 55.24 | - | - | - | - | 68.2 | -12.96 | 176 | 233 | V |

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

PK-U - U-NII: Maximum Peak

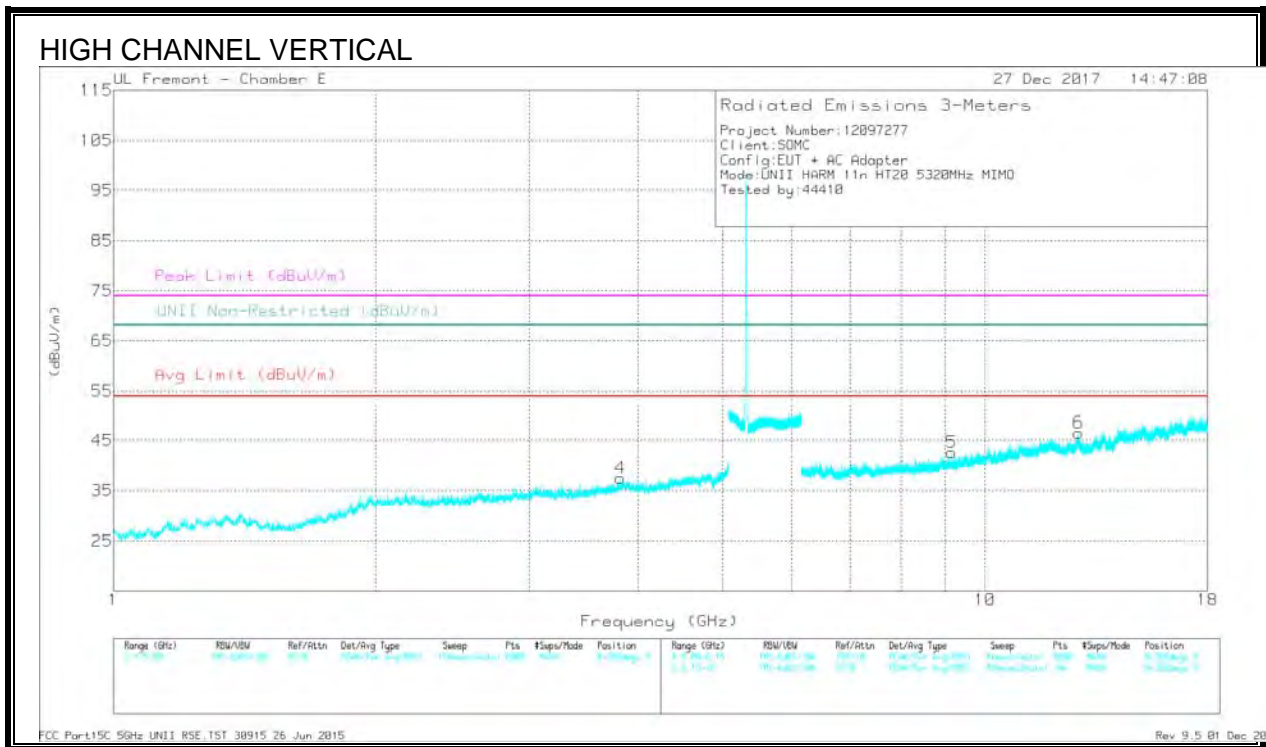
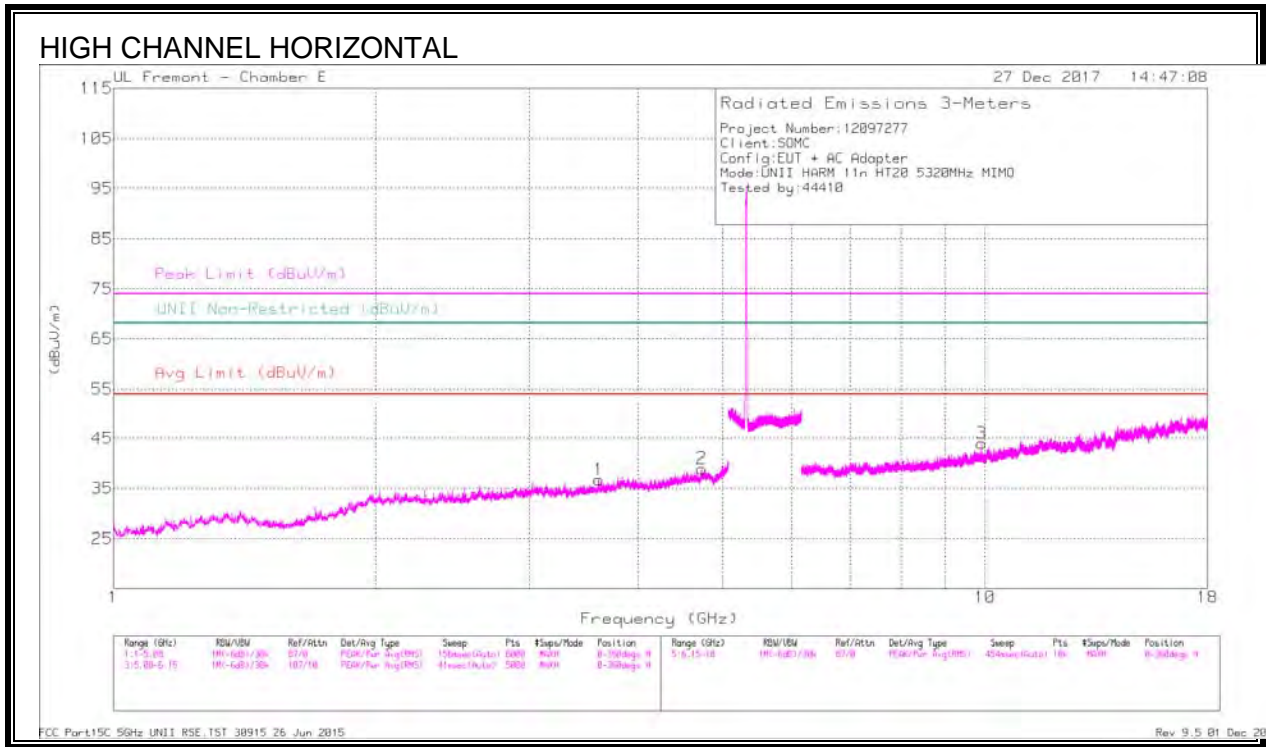
ADR - U-NII AD primary method, RMS average



Radiated Emissions

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF T346 (dB/m) | Amp/Cb/Filtr/Pad (dB) | DC Corr (dB) | Corrected Reading (dBuV/m) | Avg Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | UNII Non-Restricted (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|------|----------------|-----------------------|--------------|----------------------------|--------------------|-------------|---------------------|----------------|------------------------------|----------------|----------------|-------------|----------|
| 1 | * 3.676 | 38.96 | PK-U | 33.5 | -30.2 | 0 | 42.26 | - | - | 74 | -31.74 | - | - | 274 | 244 | H |
| | * 3.676 | 27.41 | ADR | 33.5 | -30.2 | .14 | 30.85 | 54 | -23.15 | - | - | - | - | 274 | 244 | H |
| 2 | * 11.589 | 34.23 | PK-U | 38.7 | -21.9 | 0 | 51.03 | - | - | 74 | -22.97 | - | - | 156 | 289 | H |
| | * 11.587 | 22.39 | ADR | 38.7 | -21.9 | .14 | 39.33 | 54 | -14.67 | - | - | - | - | 156 | 289 | H |
| 5 | * 10.967 | 34.07 | PK-U | 38.4 | -22.6 | 0 | 49.87 | - | - | 74 | -24.13 | - | - | 47 | 384 | V |
| | * 10.969 | 22.62 | ADR | 38.4 | -22.6 | .14 | 38.66 | 54 | -15.34 | - | - | - | - | 47 | 384 | V |
| 4 | 4.416 | 38.93 | PK-U | 34.2 | -29.2 | 0 | 43.93 | - | - | - | - | 68.2 | -24.27 | 49 | 112 | V |
| 3 | 14.403 | 34.79 | PK-U | 40.9 | -23.5 | 0 | 52.19 | - | - | - | - | 68.2 | -16.01 | 305 | 274 | H |
| 6 | 14.884 | 35.04 | PK-U | 40.6 | -22.4 | 0 | 53.24 | - | - | - | - | 68.2 | -14.96 | 348 | 344 | V |

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 PK-U - U-NII: Maximum Peak
 ADR - U-NII AD primary method, RMS average



Radiated Emissions

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF T346 (dB/m) | Amp/Cb/Filtr/Pad (dB) | DC Corr (dB) | Corrected Reading (dBuV/m) | Avg Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | UNII Non-Restricted (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|------|----------------|-----------------------|--------------|----------------------------|--------------------|-------------|---------------------|----------------|------------------------------|----------------|----------------|-------------|----------|
| 1 | * 3.603 | 39.44 | PK-U | 33.3 | -30.3 | 0 | 42.44 | - | - | 74 | -31.56 | - | - | 192 | 386 | H |
| | * 3.606 | 27.52 | ADR | 33.3 | -30.3 | .14 | 30.66 | 54 | -23.34 | - | - | - | - | 192 | 386 | H |
| 2 | * 4.733 | 38.1 | PK-U | 34.4 | -28.5 | 0 | 44 | - | - | 74 | -30 | - | - | 280 | 234 | H |
| | * 4.734 | 27.06 | ADR | 34.4 | -28.5 | .14 | 33.1 | 54 | -20.9 | - | - | - | - | 280 | 234 | H |
| 4 | * 3.817 | 39.1 | PK-U | 33.7 | -29.4 | 0 | 43.4 | - | - | 74 | -30.6 | - | - | 39 | 218 | V |
| | * 3.819 | 27.48 | ADR | 33.7 | -29.4 | .14 | 31.92 | 54 | -22.08 | - | - | - | - | 39 | 218 | V |
| 5 | * 9.151 | 36.13 | PK-U | 37.1 | -25.4 | 0 | 47.83 | - | - | 74 | -26.17 | - | - | 282 | 389 | V |
| | * 9.151 | 24.13 | ADR | 37.1 | -25.4 | .14 | 35.97 | 54 | -18.03 | - | - | - | - | 282 | 389 | V |
| 3 | 9.904 | 34.96 | PK-U | 37.7 | -24.5 | 0 | 48.16 | - | - | - | - | 68.2 | -20.04 | 331 | 333 | H |
| | 12.81 | 35.11 | PK-U | 39.9 | -23.6 | 0 | 51.41 | - | - | - | - | 68.2 | -16.79 | 348 | 350 | V |

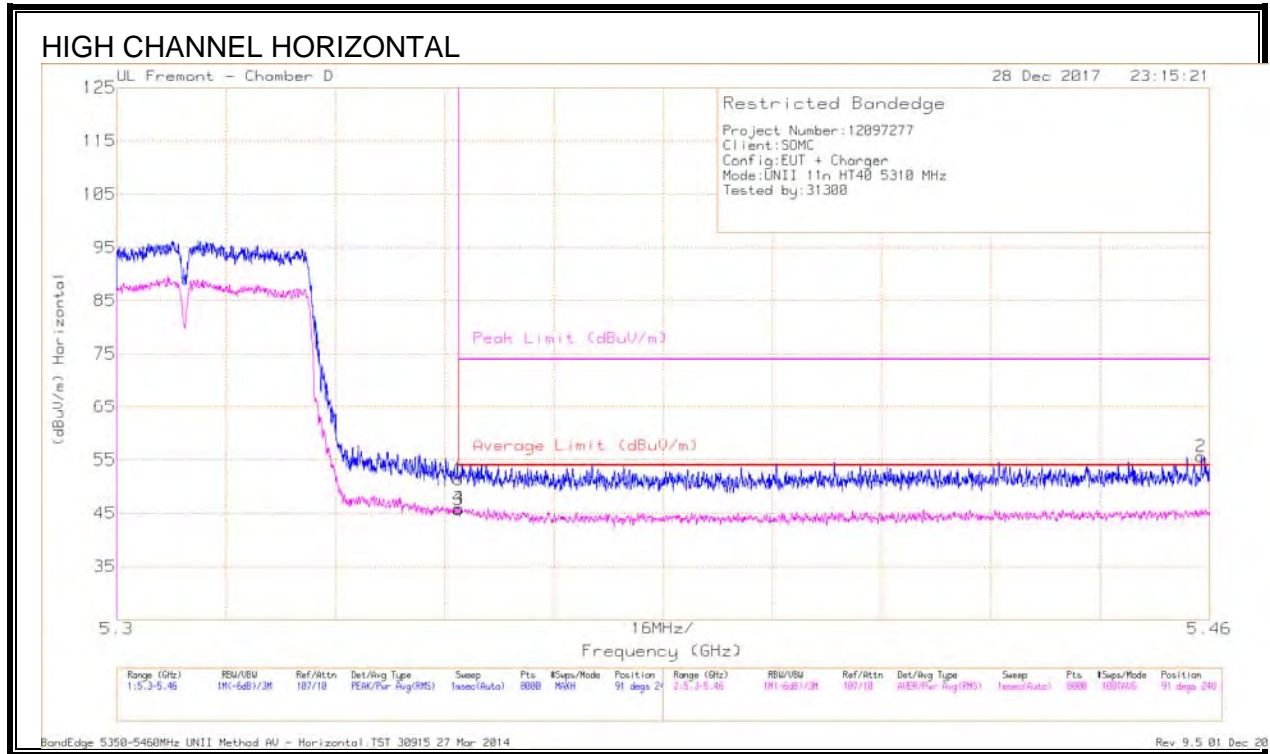
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

10.1.7. 11n HT40 2TX CDD MIMO MODE IN THE 5.3GHZ BAND

AUTHORIZED BANDEDGE (HIGH CHANNEL)



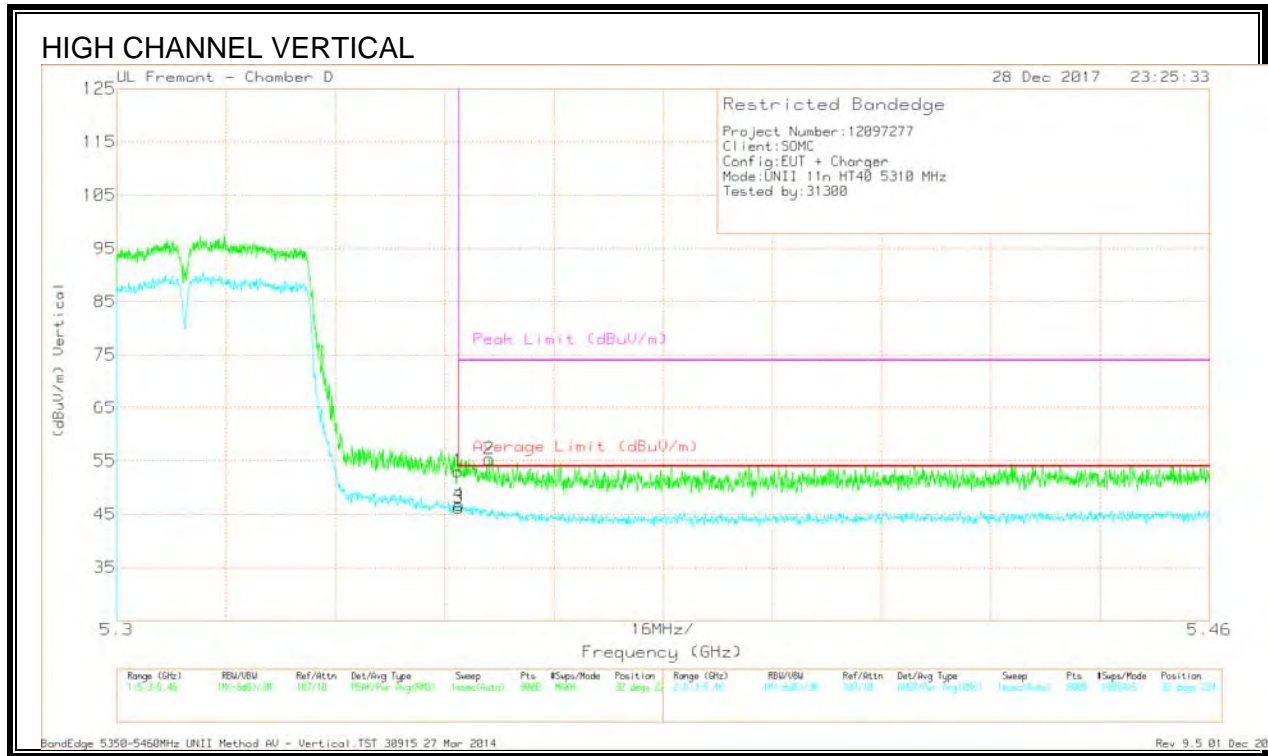
Trace Marker

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF T711 (dB/m) | Amp/Cb/Fltr/Pad (dB) | DC Corr (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|----------------|----------------------|--------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1 | * 5.35 | 34.99 | Pk | 34.3 | -18 | 0 | 51.29 | - | - | 74 | -22.71 | 91 | 240 | H |
| 3 | * 5.35 | 28.92 | RMS | 34.3 | -18 | .48 | 45.7 | 54 | -8.3 | - | - | 91 | 240 | H |
| 4 | * 5.35 | 29.16 | RMS | 34.3 | -18 | .48 | 45.94 | 54 | -8.06 | - | - | 91 | 240 | H |
| 2 | * 5.459 | 38.89 | Pk | 34.4 | -17.7 | 0 | 55.59 | - | - | 74 | -18.41 | 91 | 240 | H |

* - indicates frequency in CFR15.205/IC8.10 RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection



Trace Markers

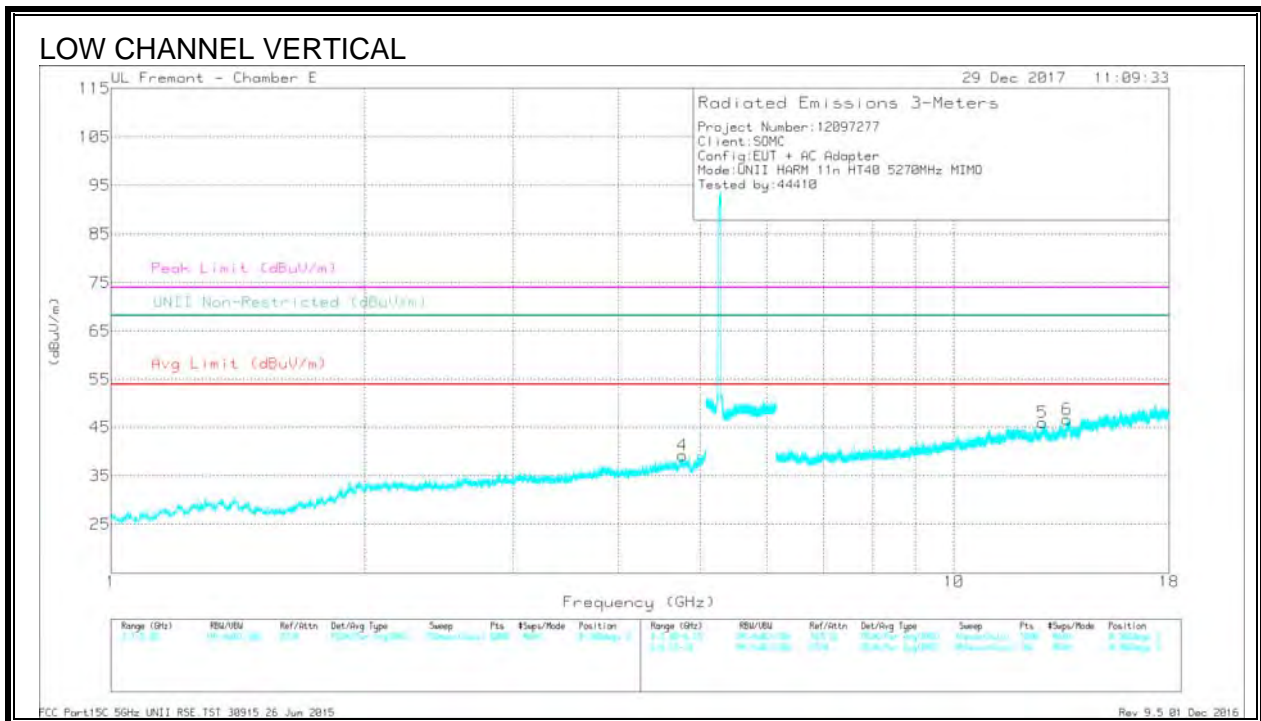
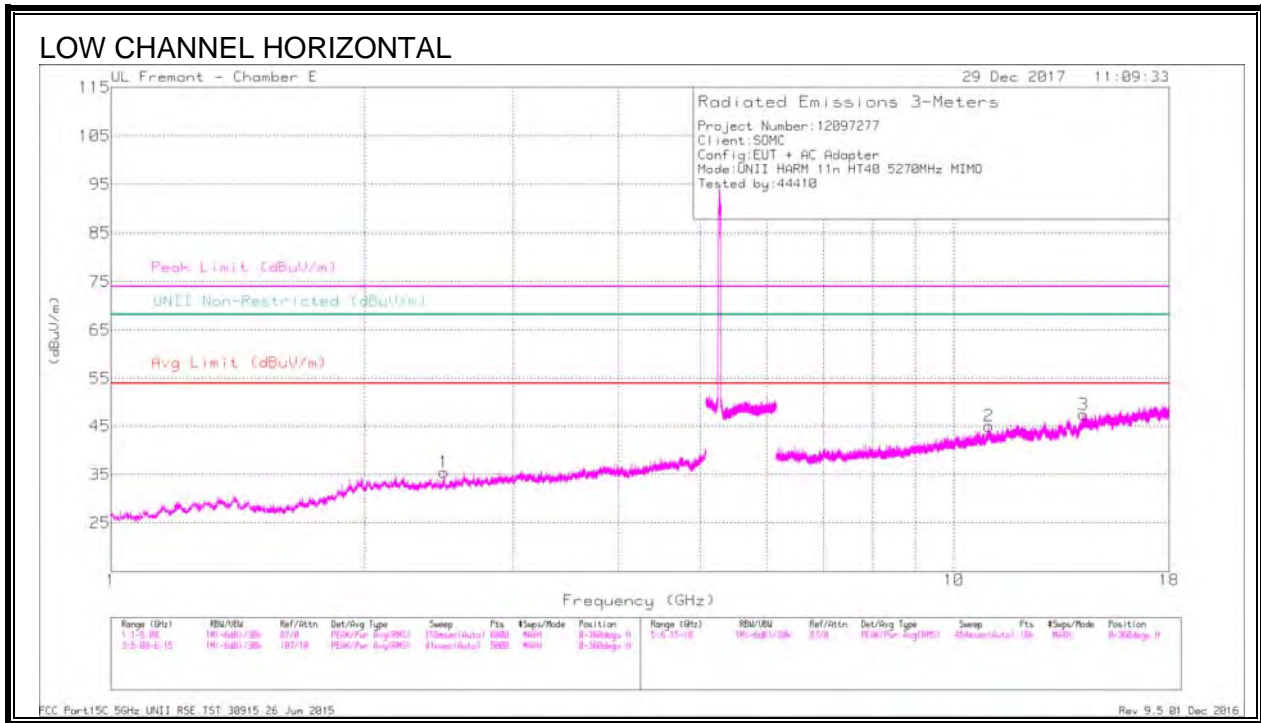
| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF T711 (dB/m) | Amp/Cbl/Filtr/Pad (dB) | DC Corr (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|----------------|------------------------|--------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1 | * 5.35 | 36.76 | Pk | 34.3 | -18 | 0 | 53.06 | - | - | 74 | -20.94 | 32 | 224 | V |
| 3 | * 5.35 | 29.42 | RMS | 34.3 | -18 | .48 | 46.2 | 54 | -7.8 | - | - | 32 | 224 | V |
| 4 | * 5.35 | 29.96 | RMS | 34.3 | -18 | .48 | 46.74 | 54 | -7.26 | - | - | 32 | 224 | V |
| 2 | * 5.355 | 39.09 | Pk | 34.3 | -18.1 | 0 | 55.29 | - | - | 74 | -18.71 | 32 | 224 | V |

* - indicates frequency in CFR15.205/IC8.10 RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

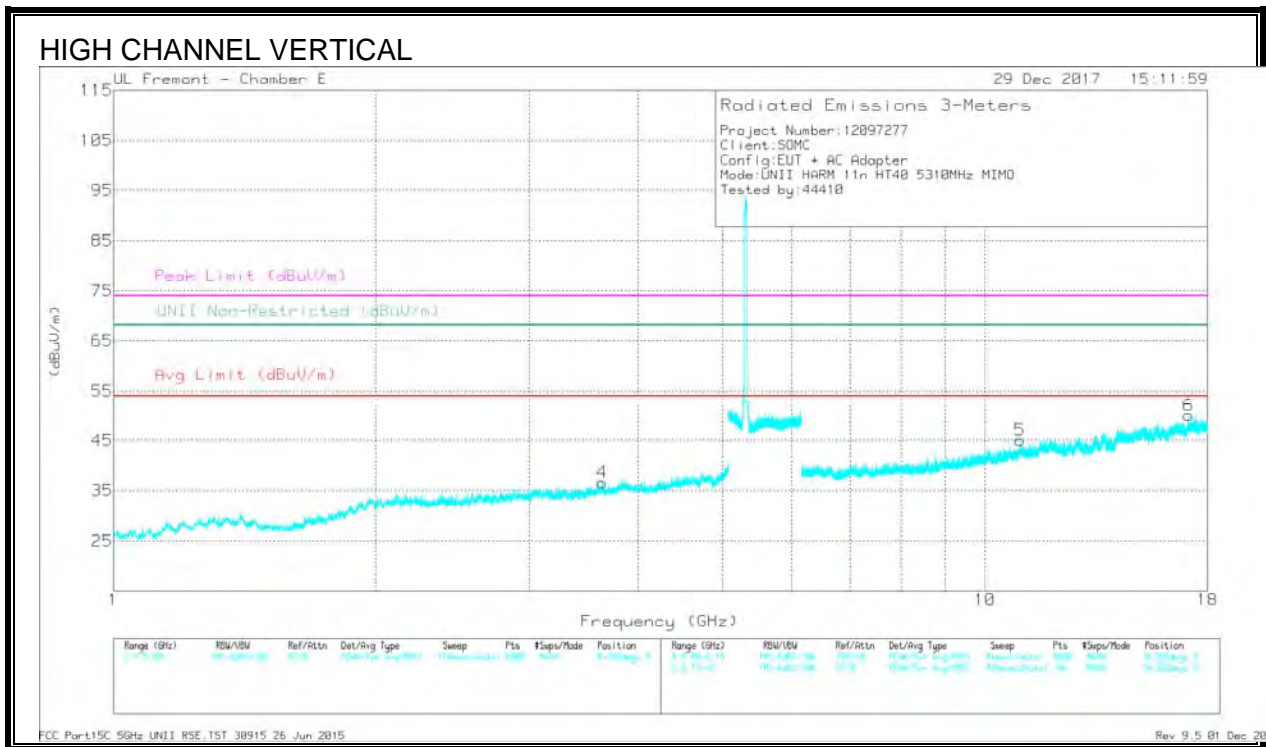
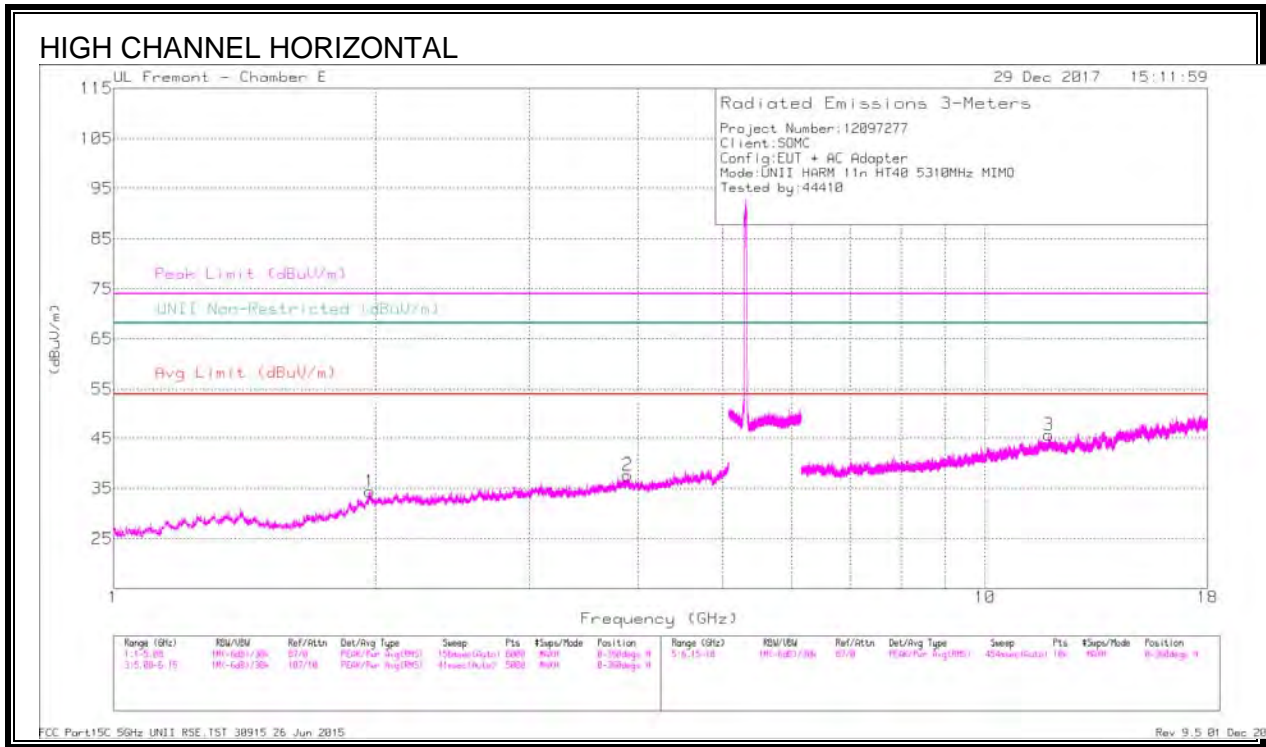
HARMONICS AND SPURIOUS EMISSIONS



Radiated Emissions

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF T346 (dB/m) | Amp/Cb/Filtr/Pad (dB) | DC Corr (dB) | Corrected Reading (dBuV/m) | Avg Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | UNII Non-Restricted (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|------|----------------|-----------------------|--------------|----------------------------|--------------------|-------------|---------------------|----------------|------------------------------|----------------|----------------|-------------|----------|
| 1 | * 2.487 | 40.5 | PK-U | 32.1 | -32.3 | 0 | 40.3 | - | - | 74 | -33.7 | - | - | 10 | 155 | H |
| | * 2.484 | 28.71 | ADR | 32.1 | -32.2 | -48 | 29.09 | 54 | -24.91 | - | - | - | - | 10 | 155 | H |
| 4 | * 4.763 | 40.33 | PK-U | 34.4 | -29 | 0 | 45.73 | - | - | 74 | -28.27 | - | - | 184 | 273 | V |
| | * 4.765 | 27.75 | ADR | 34.4 | -29.1 | -48 | 33.53 | 54 | -20.47 | - | - | - | - | 184 | 273 | V |
| 2 | * 11.004 | 33.91 | PK-U | 38.5 | -22.4 | 0 | 50.01 | - | - | 74 | -23.99 | - | - | 13 | 284 | H |
| | * 11.003 | 22.24 | ADR | 38.5 | -22.4 | -48 | 38.82 | 54 | -15.18 | - | - | - | - | 13 | 284 | H |
| 5 | 12.727 | 35 | PK-U | 39.6 | -23.5 | 0 | 51.1 | - | - | - | - | 68.2 | -17.1 | 244 | 353 | V |
| 6 | 13.624 | 36.12 | PK-U | 39.6 | -23.7 | 0 | 52.02 | - | - | - | - | 68.2 | -16.18 | 101 | 203 | V |
| 3 | 14.242 | 35.71 | PK-U | 40.4 | -23.5 | 0 | 52.61 | - | - | - | - | 68.2 | -15.59 | 291 | 100 | H |

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 PK-U - U-NII: Maximum Peak
 ADR - U-NII AD primary method, RMS average



Radiated Emissions

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF T346 (dB/m) | Amp/Cb/Filtr/Pad (dB) | DC Corr (dB) | Corrected Reading (dBuV/m) | Avg Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | UNII Non-Restricted (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|------|----------------|-----------------------|--------------|----------------------------|--------------------|-------------|---------------------|----------------|------------------------------|----------------|----------------|-------------|----------|
| 2 | * 3.893 | 39.85 | PK-U | 33.7 | -29.9 | 0 | 43.65 | - | - | 74 | -30.35 | - | - | 136 | 276 | H |
| | * 3.892 | 28.17 | ADR | 33.7 | -29.9 | .48 | 32.45 | 54 | -21.55 | - | - | - | - | 136 | 276 | H |
| 4 | * 3.639 | 39.71 | PK-U | 33.4 | -30.3 | 0 | 42.81 | - | - | 74 | -31.19 | - | - | 192 | 125 | V |
| | * 3.639 | 27.68 | ADR | 33.4 | -30.3 | .48 | 31.26 | 54 | -22.74 | - | - | - | - | 192 | 125 | V |
| 3 | * 11.836 | 35.12 | PK-U | 39.4 | -23.6 | 0 | 50.92 | - | - | 74 | -23.08 | - | - | 258 | 371 | H |
| | * 11.835 | 23.24 | ADR | 39.4 | -23.6 | .48 | 39.52 | 54 | -14.48 | - | - | - | - | 258 | 371 | H |
| 5 | * 10.973 | 34.35 | PK-U | 38.4 | -22.4 | 0 | 50.35 | - | - | 74 | -23.65 | - | - | 316 | 316 | V |
| | * 10.974 | 22.47 | ADR | 38.4 | -22.4 | .48 | 38.95 | 54 | -15.05 | - | - | - | - | 316 | 316 | V |
| 1 | 1.968 | 41.22 | PK-U | 31.7 | -32.4 | 0 | 40.52 | - | - | - | - | 68.2 | -27.68 | 98 | 146 | H |
| 6 | 17.115 | 33.76 | PK-U | 41.7 | -20.9 | 0 | 54.56 | - | - | - | - | 68.2 | -13.64 | 162 | 101 | V |

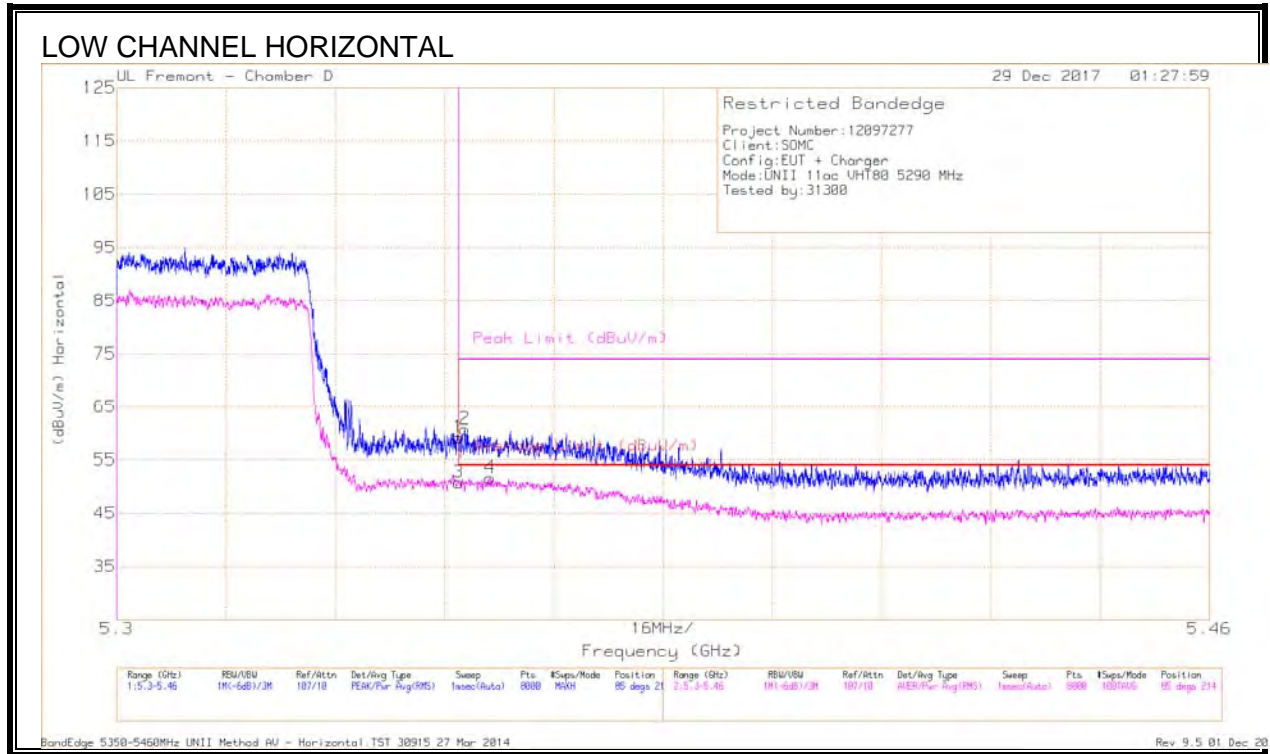
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

10.1.8. 11ac HT80 2TX CDD MIMO MODE IN THE 5.3GHz BAND

AUTHORIZED BANDEDGE (HIGH CHANNEL)



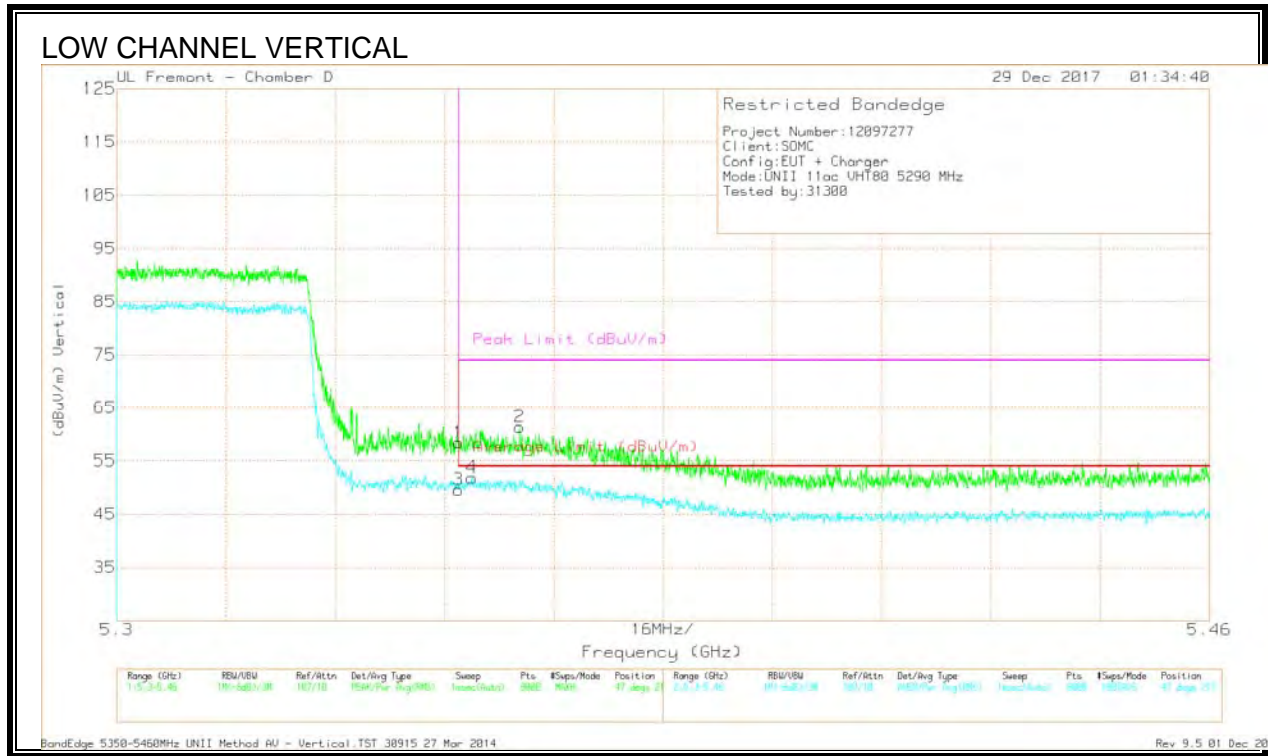
Trace Markers

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF T711 (dB/m) | Amp/Cb/Fltr/Pad (dB) | DC Corr (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|----------------|----------------------|--------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1 | * 5.35 | 42.86 | Pk | 34.3 | -18 | 0 | 59.16 | - | - | 74 | -14.84 | 85 | 214 | H |
| 3 | * 5.35 | 33.73 | RMS | 34.3 | -18 | .73 | 50.76 | 54 | -3.24 | - | - | 85 | 214 | H |
| 2 | * 5.351 | 44.45 | Pk | 34.3 | -18 | 0 | 60.75 | - | - | 74 | -13.25 | 85 | 214 | H |
| 4 | * 5.355 | 34.67 | RMS | 34.3 | -18.1 | .73 | 51.6 | 54 | -2.4 | - | - | 85 | 214 | H |

* - indicates frequency in CFR15.205/IC8.10 RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection



Trace Markers

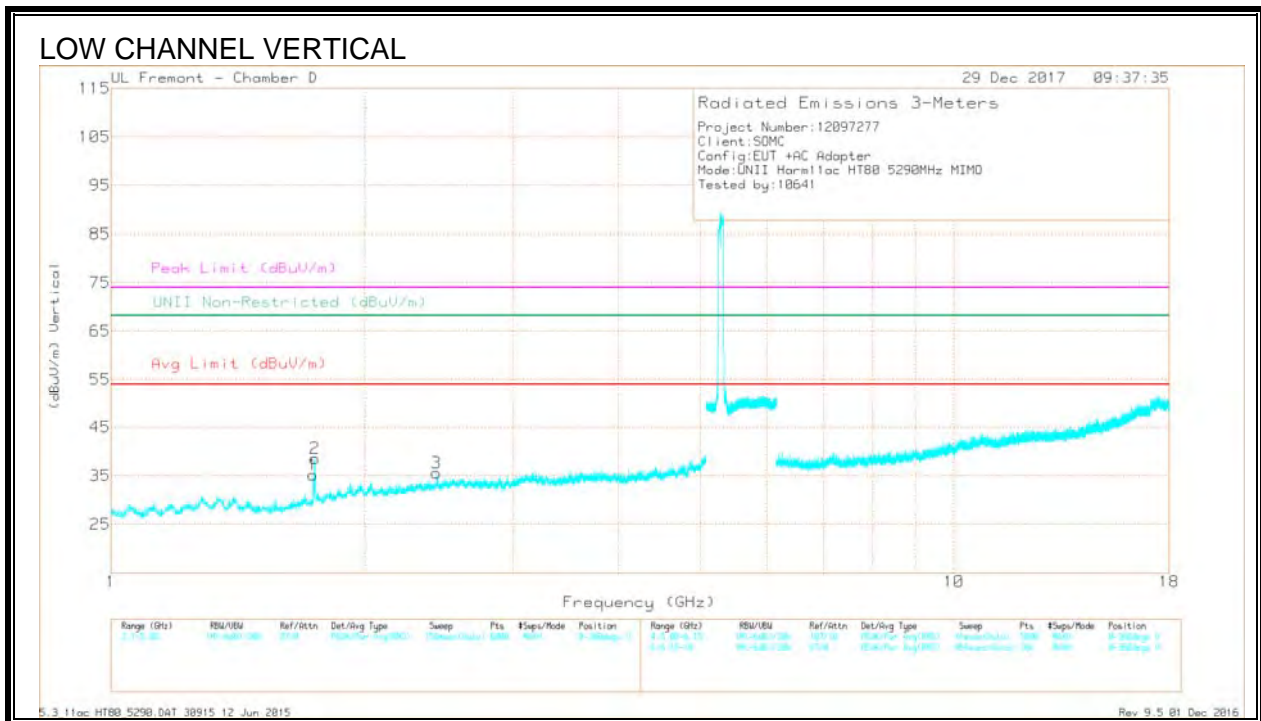
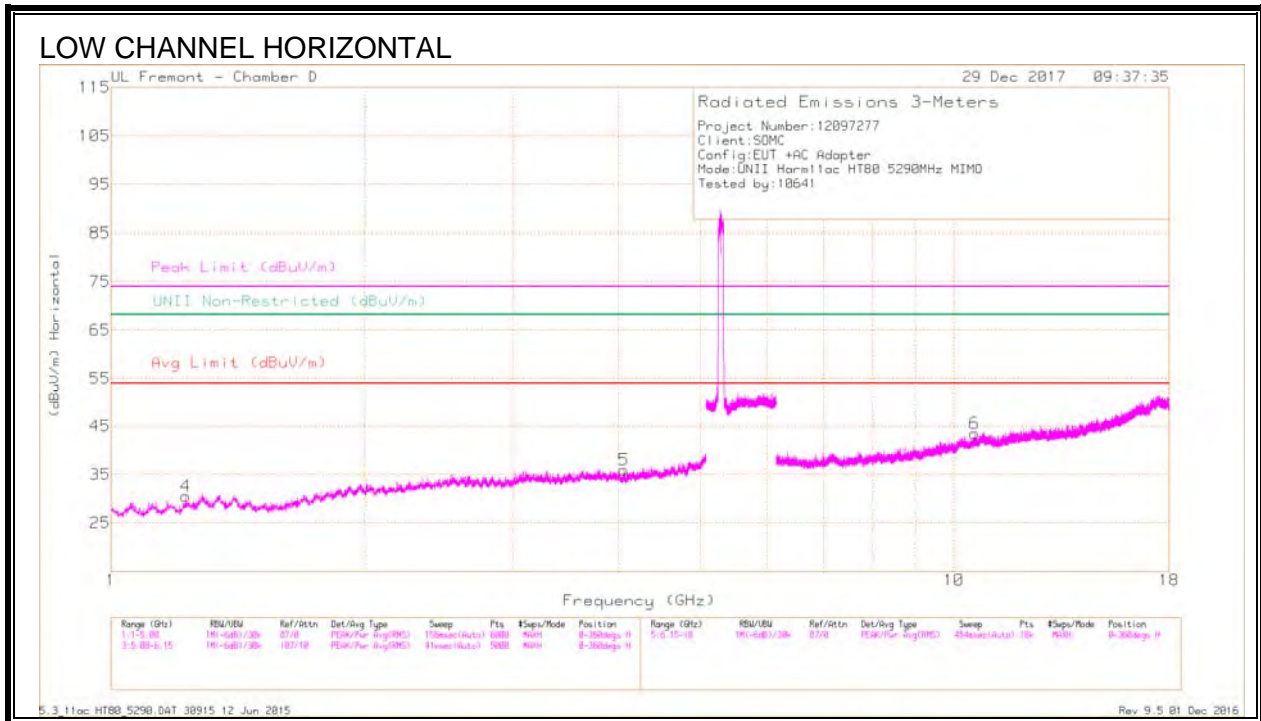
| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF T711 (dB/m) | Amp/Cbl/Filtr/Pad (dB) | DC Corr (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|----------------|------------------------|--------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1 | * 5.35 | 42.08 | Pk | 34.3 | -18 | 0 | 58.38 | - | - | 74 | -15.62 | 47 | 217 | V |
| 3 | * 5.35 | 32.51 | RMS | 34.3 | -18 | .73 | 49.54 | 54 | -4.46 | - | - | 47 | 217 | V |
| 4 | * 5.352 | 34.79 | RMS | 34.3 | -18 | .73 | 51.82 | 54 | -2.18 | - | - | 47 | 217 | V |
| 2 | * 5.359 | 45.1 | Pk | 34.3 | -18.1 | 0 | 61.3 | - | - | 74 | -12.7 | 47 | 217 | V |

* - indicates frequency in CFR15.205/IC8.10 RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

HARMONICS AND SPURIOUS EMISSIONS



Radiated Emissions

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF T711 (dB/m) | Amp/Cbl/Filtr/Pad (dB) | DC Corr (dB) | Corrected Reading (dBuV/m) | Avg Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | UNII Non-Restricted (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|------|----------------|------------------------|--------------|----------------------------|--------------------|-------------|---------------------|----------------|------------------------------|----------------|----------------|-------------|----------|
| 4 | * 1.229 | 39.47 | PK-U | 28.9 | -32 | 0 | 36.37 | - | - | 74 | -37.63 | - | - | 131 | 305 | H |
| | * 1.229 | 27.56 | ADR | 28.9 | -32 | .73 | 25.19 | 54 | -28.81 | - | - | - | - | 131 | 305 | H |
| 5 | * 4.063 | 36.79 | PK-U | 33.4 | -28.5 | 0 | 41.69 | - | - | 74 | -32.31 | - | - | 207 | 297 | H |
| | * 4.063 | 24.69 | ADR | 33.4 | -28.5 | .73 | 30.32 | 54 | -23.68 | - | - | - | - | 207 | 297 | H |
| 1 | 1.738 | 37.75 | PK-U | 29.7 | -30.8 | 0 | 36.65 | - | - | - | - | 68.2 | -31.55 | 102 | 104 | V |
| 2 | 1.744 | 38.93 | PK-U | 29.7 | -30.6 | 0 | 38.03 | - | - | - | - | 68.2 | -30.17 | 345 | 162 | V |
| 3 | 2.434 | 38.88 | PK-U | 32.3 | -30.4 | 0 | 40.78 | - | - | - | - | 68.2 | -27.42 | 273 | 276 | V |
| 6 | 10.572 | 31.29 | PK-U | 37.7 | -20.4 | 0 | 48.59 | - | - | - | - | 68.2 | -19.61 | 245 | 211 | H |

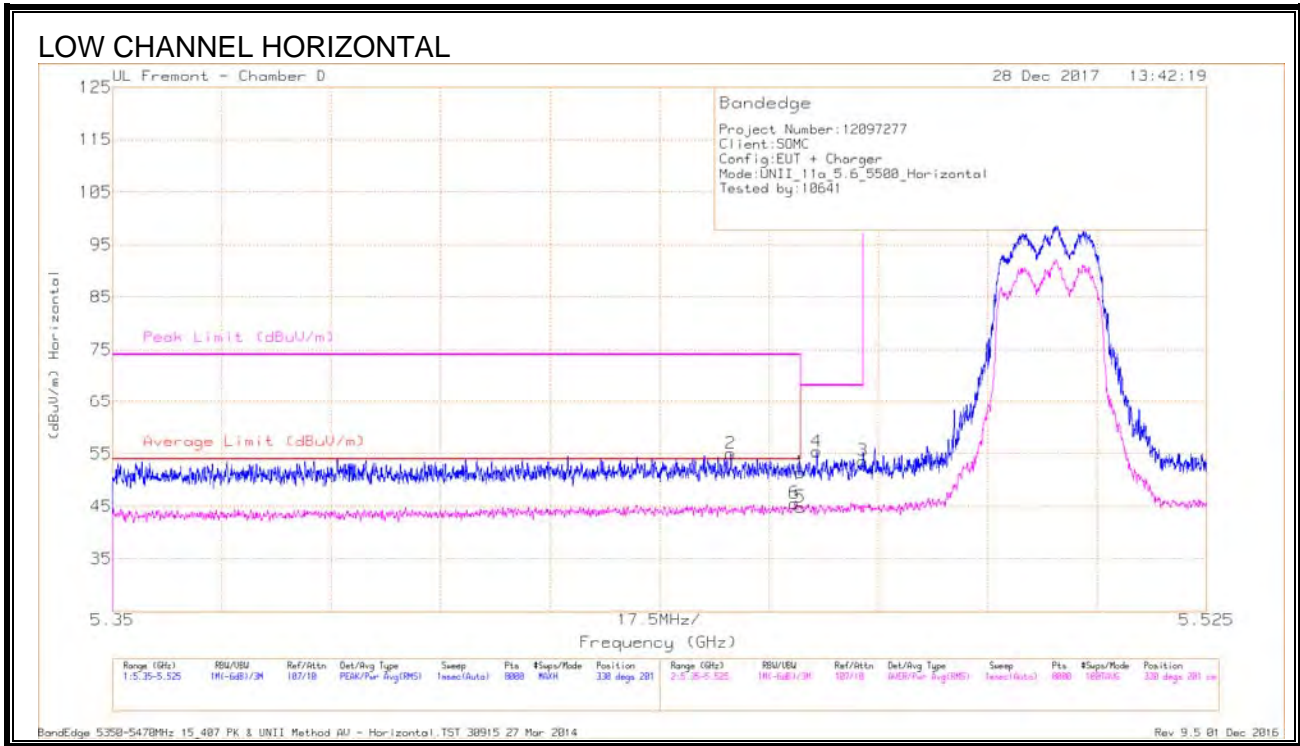
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

10.1.9. 11a 2TX CDD MIMO MODE IN THE 5.6GHZ BAND

RESTRICTED BANDEDGE (LOW CHANNEL)



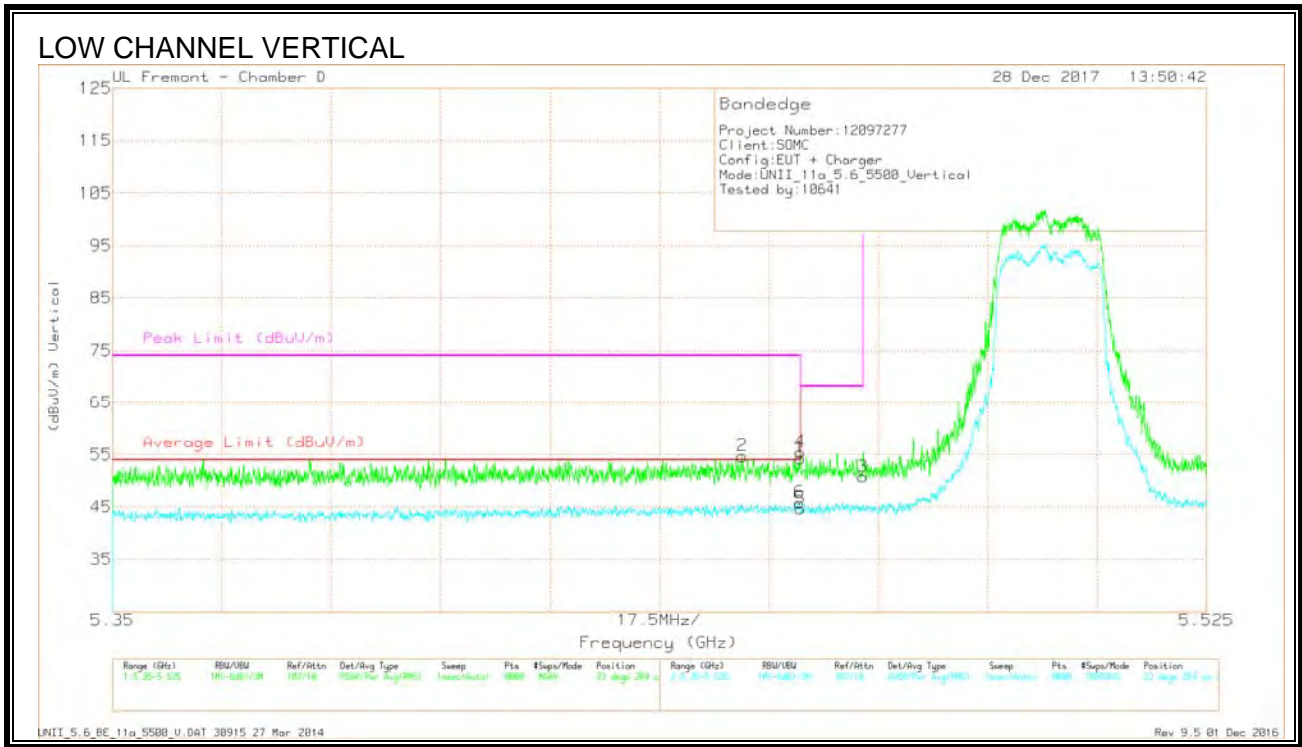
Trace Markers

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF T711 (dB/m) | Amp/Cbl/Filtr/Pad (dB) | DC Corr (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|----------------|------------------------|--------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 2 | * 5.449 | 38.27 | Pk | 34.4 | -17.7 | 0 | 54.97 | - | - | 74 | -19.03 | 330 | 201 | H |
| 6 | * 5.459 | 28.83 | RMS | 34.4 | -17.6 | 0 | 45.63 | 54 | -8.37 | - | - | 330 | 201 | H |
| 1 | * 5.46 | 34.56 | Pk | 34.4 | -17.6 | 0 | 51.36 | - | - | 74 | -22.64 | 330 | 201 | H |
| 5 | * 5.46 | 28.01 | RMS | 34.4 | -17.6 | 0 | 44.81 | 54 | -9.19 | - | - | 330 | 201 | H |
| 4 | 5.463 | 38.53 | Pk | 34.4 | -17.6 | 0 | 55.33 | - | - | 68.2 | -12.87 | 330 | 201 | H |
| 3 | 5.47 | 36.81 | Pk | 34.4 | -17.6 | 0 | 53.61 | - | - | 68.2 | -14.59 | 330 | 201 | H |

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

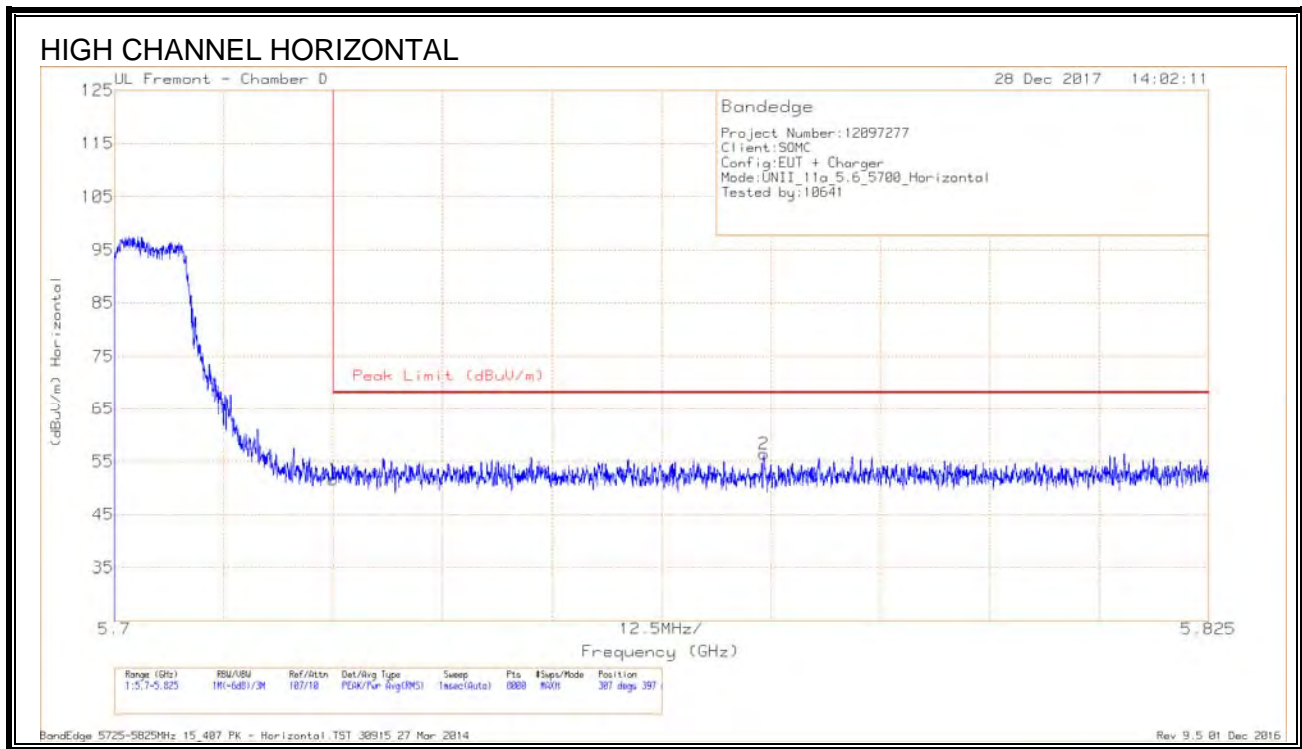


Trace Markers

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF T711 (dB/m) | Amp/Cbl/Filtr/Pad (dB) | DC Corr (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|----------------|------------------------|--------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 2 | * 5.451 | 38 | Pk | 34.4 | -17.7 | 0 | 54.7 | - | - | 74 | -19.3 | 23 | 284 | V |
| 1 | * 5.46 | 37.53 | Pk | 34.4 | -17.6 | 0 | 54.33 | - | - | 74 | -19.67 | 23 | 284 | V |
| 5 | * 5.46 | 27.93 | RMS | 34.4 | -17.6 | 0 | 44.73 | 54 | -9.27 | - | - | 23 | 284 | V |
| 6 | * 5.46 | 29.05 | RMS | 34.4 | -17.6 | 0 | 45.85 | 54 | -8.15 | - | - | 23 | 284 | V |
| 4 | 5.46 | 38.64 | Pk | 34.4 | -17.6 | 0 | 55.44 | - | - | 68.2 | -12.76 | 23 | 284 | V |
| 3 | 5.47 | 33.98 | Pk | 34.4 | -17.6 | 0 | 50.78 | - | - | 68.2 | -17.42 | 23 | 284 | V |

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 Pk - Peak detector
 RMS - RMS detection

AUTHORIZED BANDEDGE (HIGH CHANNEL)



Trace Markers

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF T711 (dB/m) | Amp/Cb/Filtr/P ad (dB) | DC Corr (dB) | Corrected Reading (dBuV/m) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|----------------|------------------------|--------------|----------------------------|---------------------|----------------|----------------|-------------|----------|
| 1 | 5.725 | 33.98 | Pk | 34.8 | -17.2 | 0 | 51.58 | 68.2 | -16.62 | 307 | 397 | H |
| 2 | 5.774 | 39.02 | Pk | 34.7 | -17.3 | 0 | 56.42 | 68.2 | -11.78 | 307 | 397 | H |

Pk - Peak detector