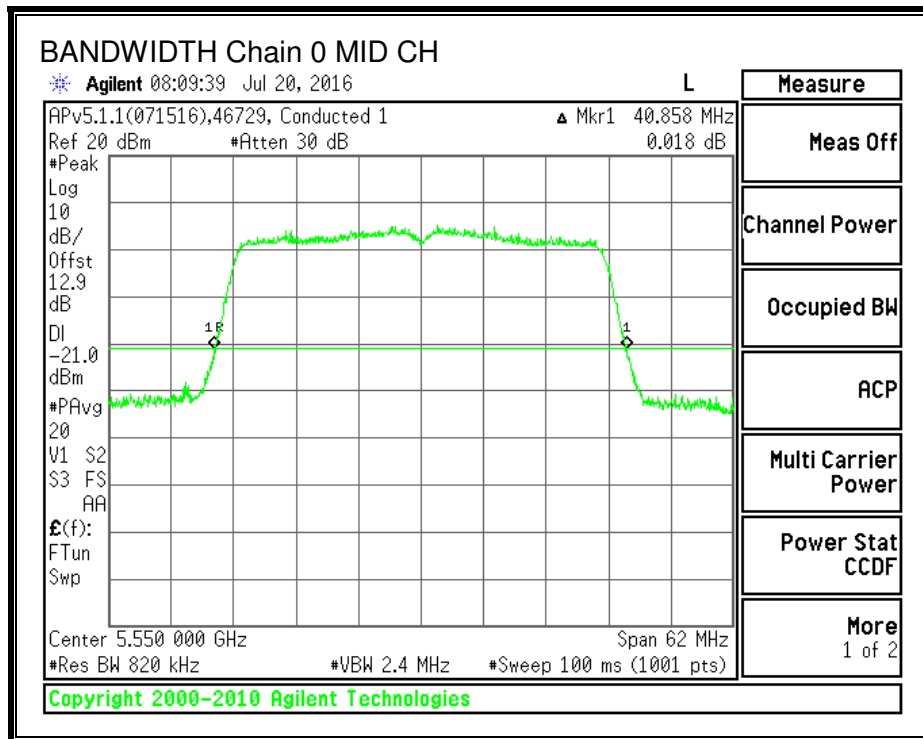
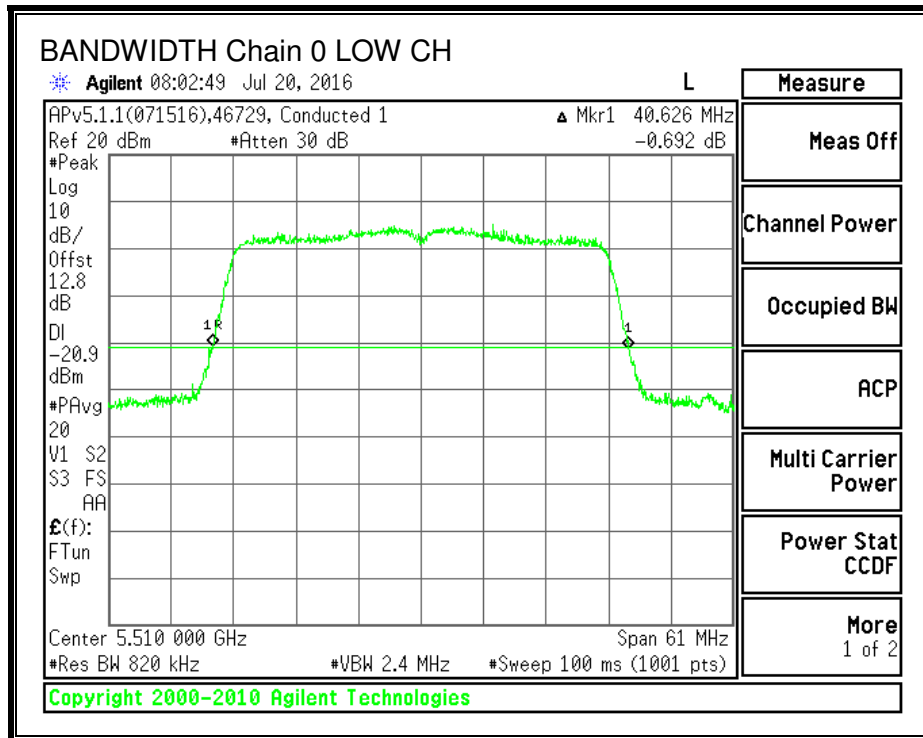
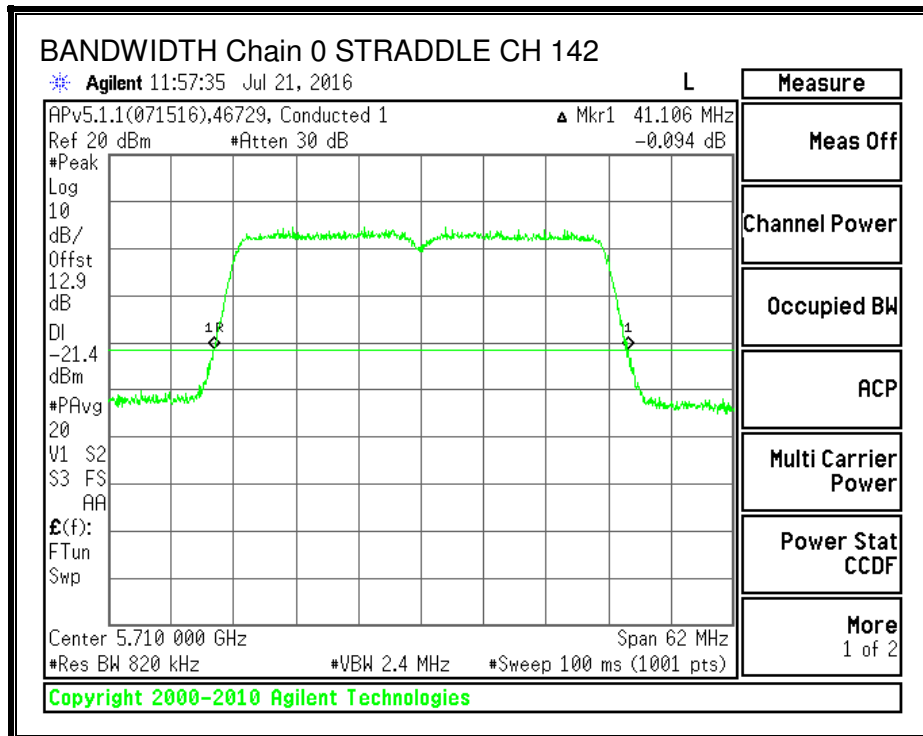
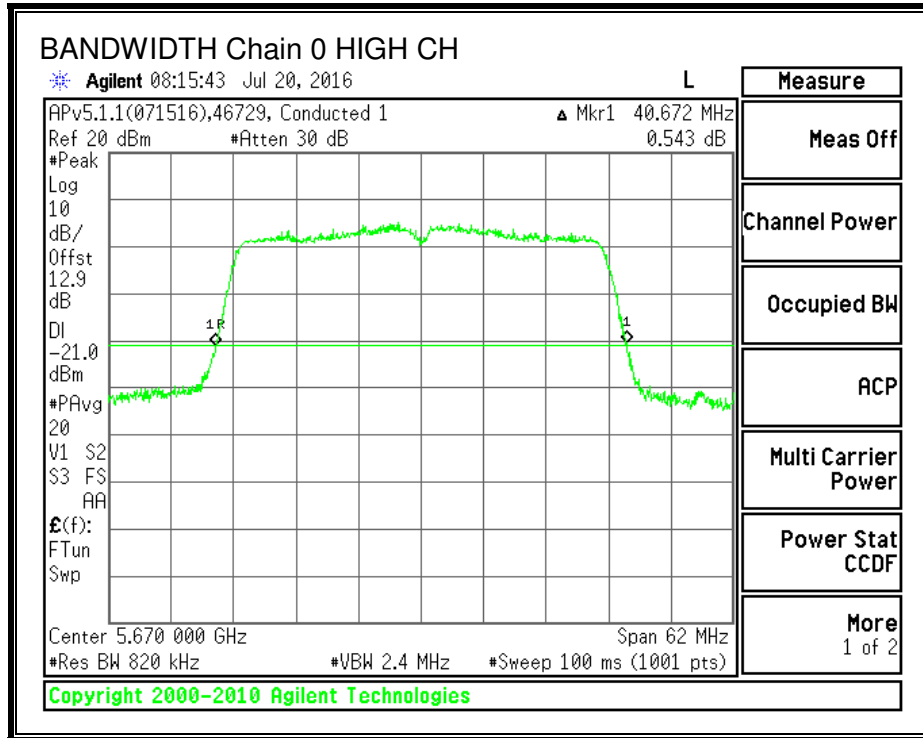
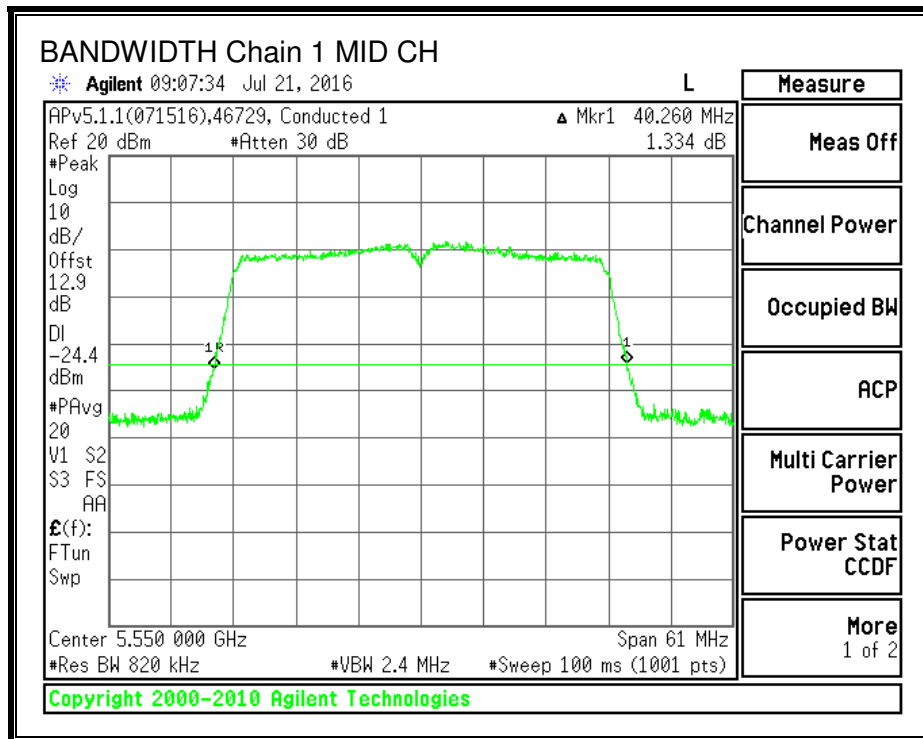
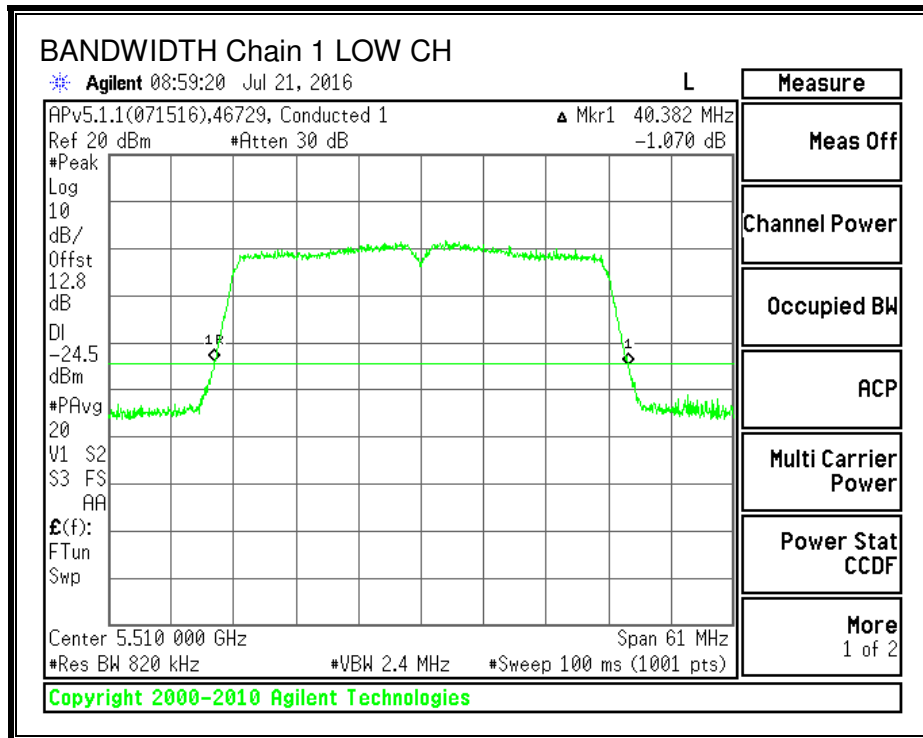


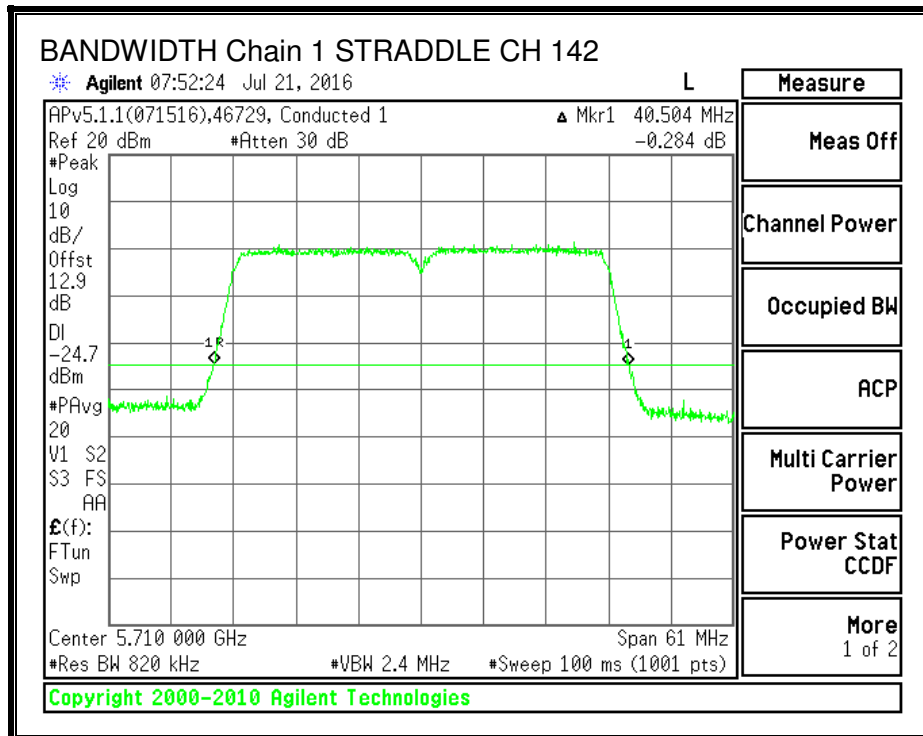
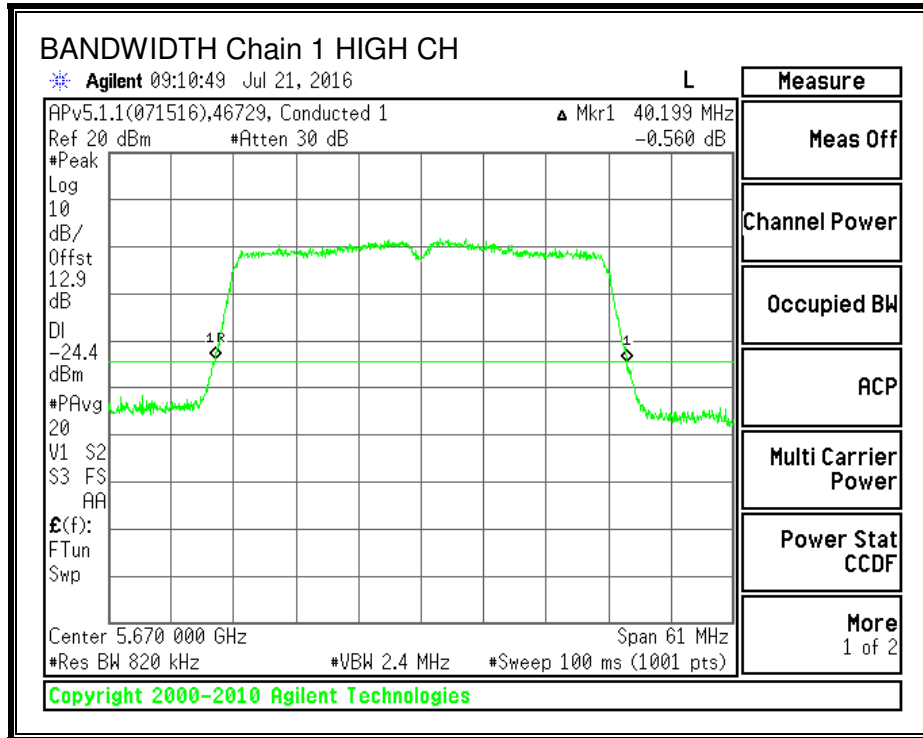
**26 dB BANDWIDTH, Chain 0**





**26 dB BANDWIDTH, Chain 1**





**8.12.2. 99% BANDWIDTH**

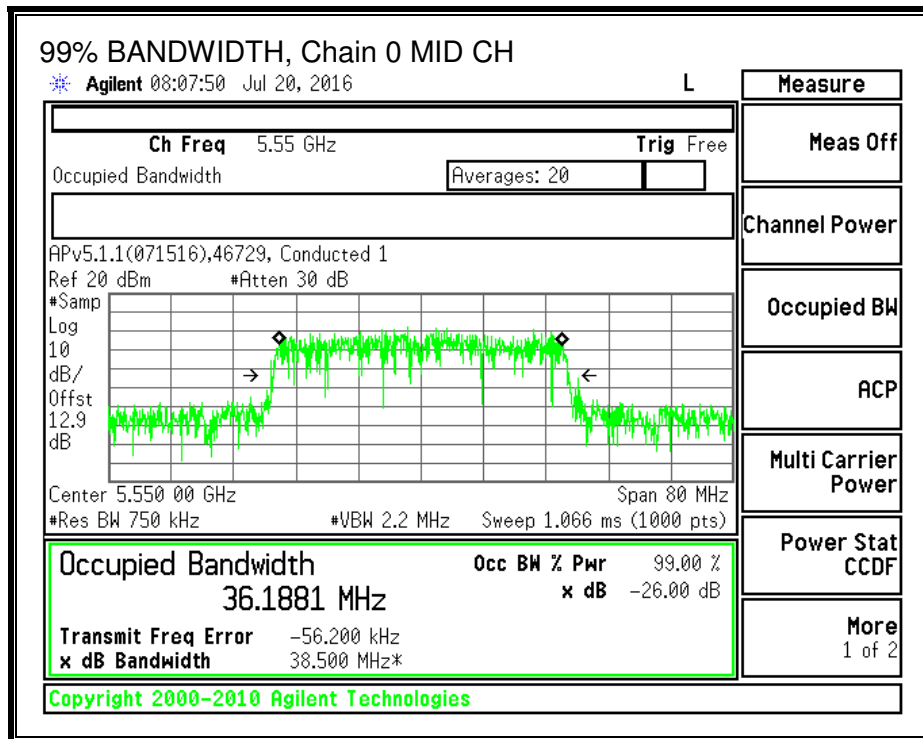
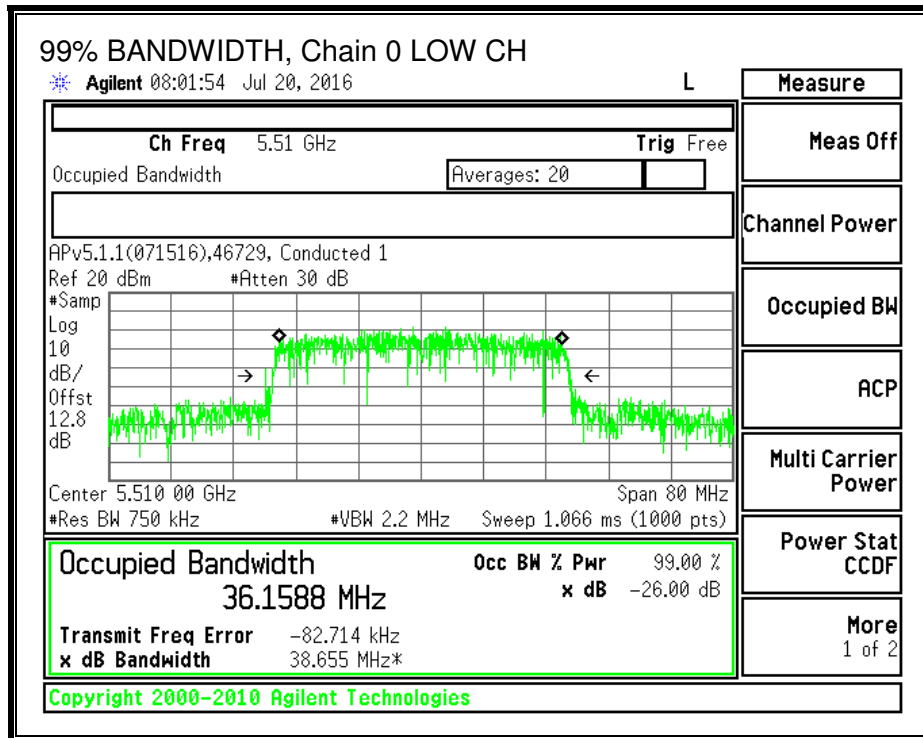
**LIMITS**

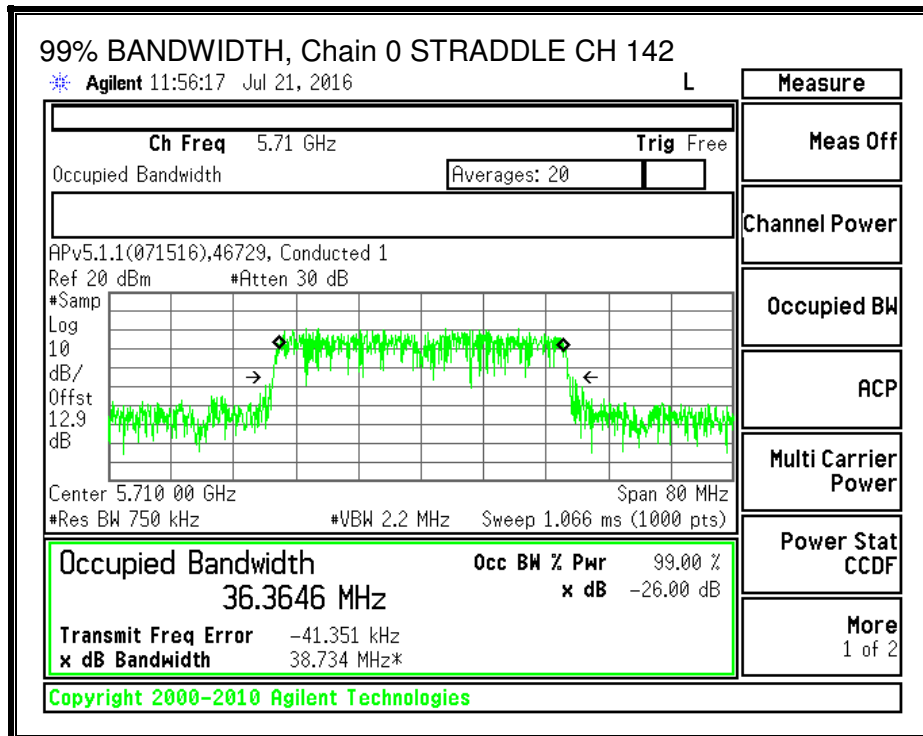
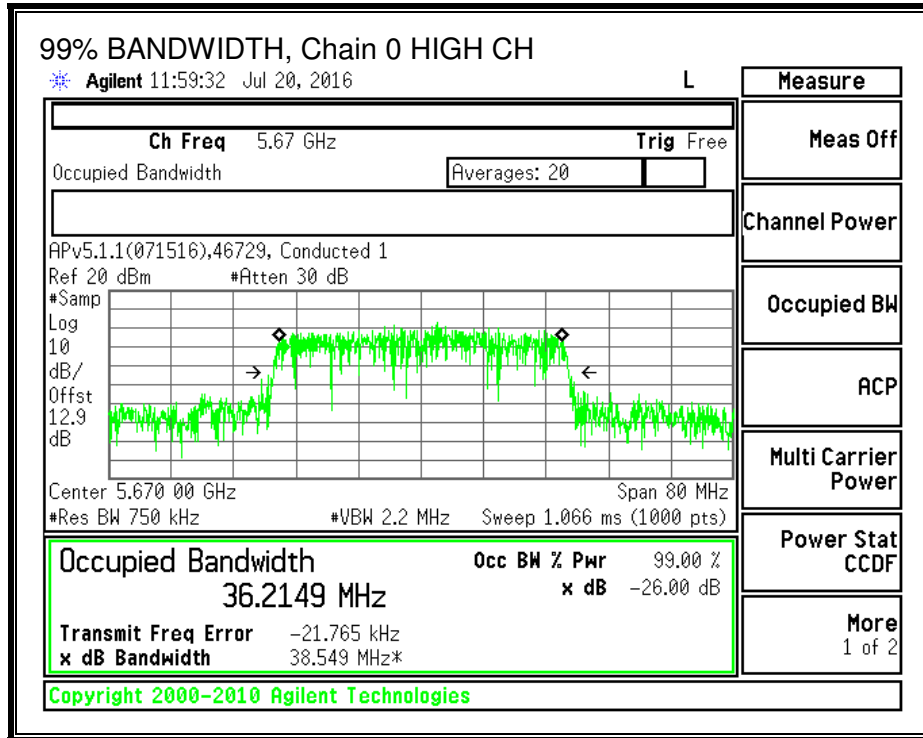
None; for reporting purposes only.

**RESULTS**

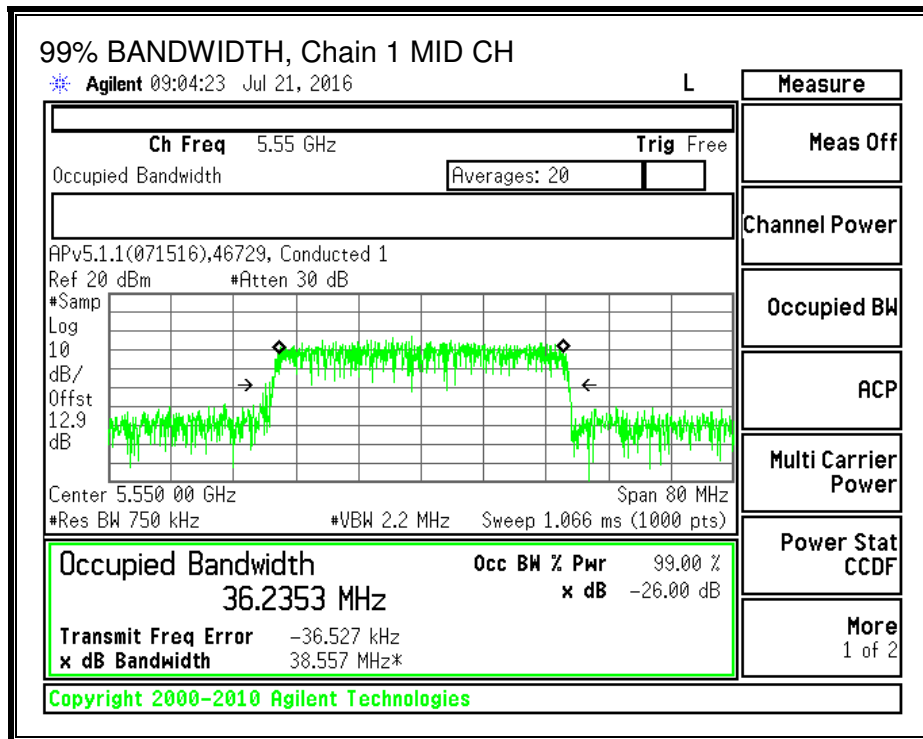
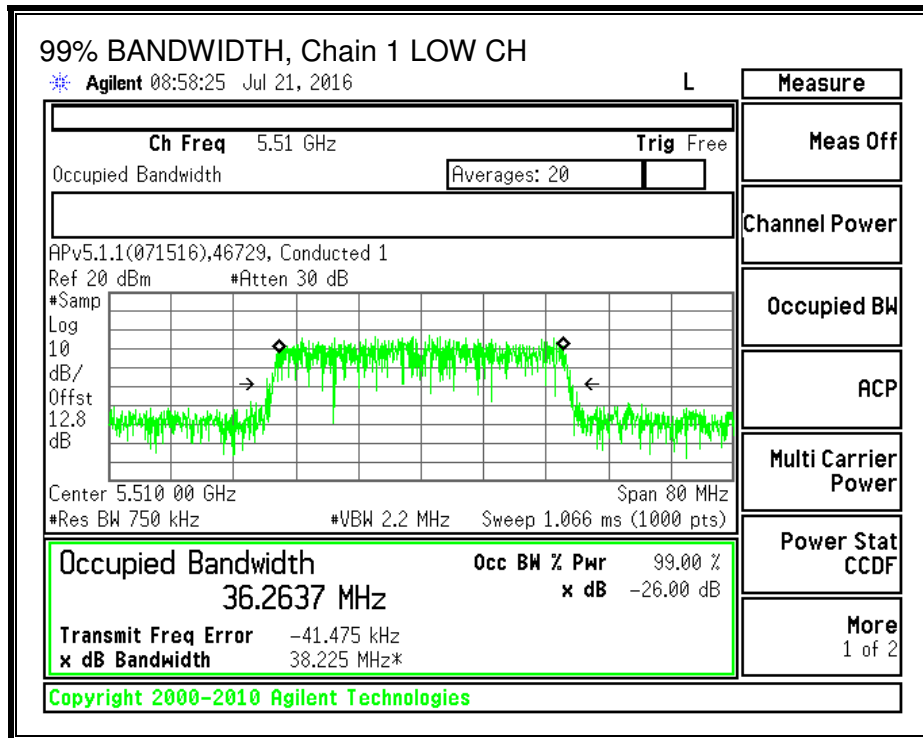
| Channel | Frequency<br>(MHz) | 99% BW<br>Chain 0<br>(MHz) | 99% BW<br>Chain 1<br>(MHz) |
|---------|--------------------|----------------------------|----------------------------|
| Low     | 5510               | 36.1588                    | 36.2637                    |
| Mid     | 5550               | 36.1881                    | 36.2353                    |
| High    | 5670               | 36.2149                    | 36.2628                    |
| 142     | 5710               | 36.3646                    | 36.2781                    |

**99% BANDWIDTH, Chain 0**

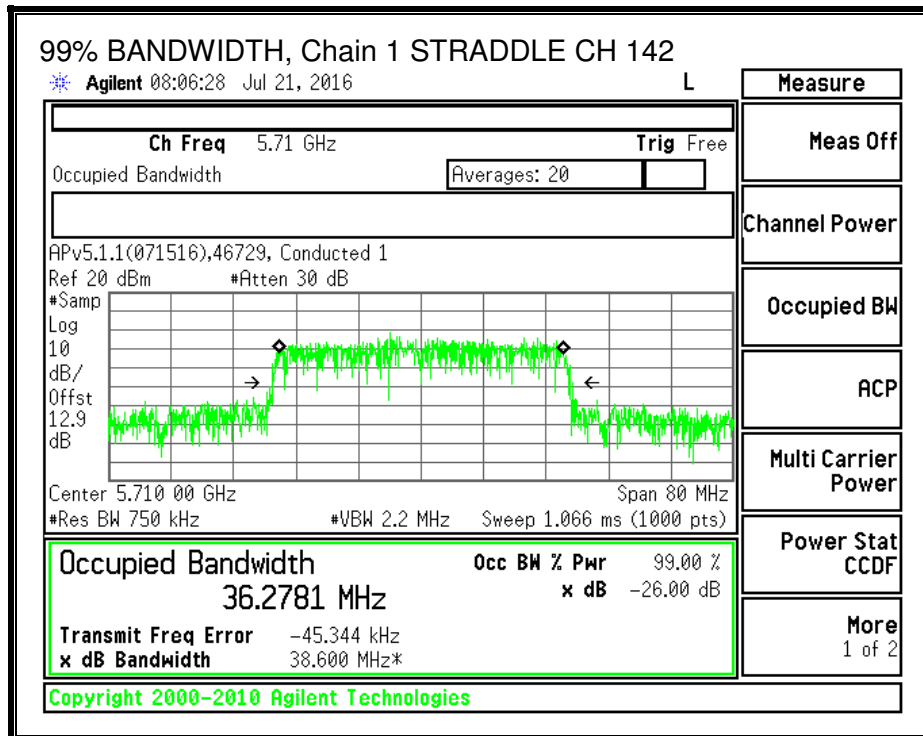
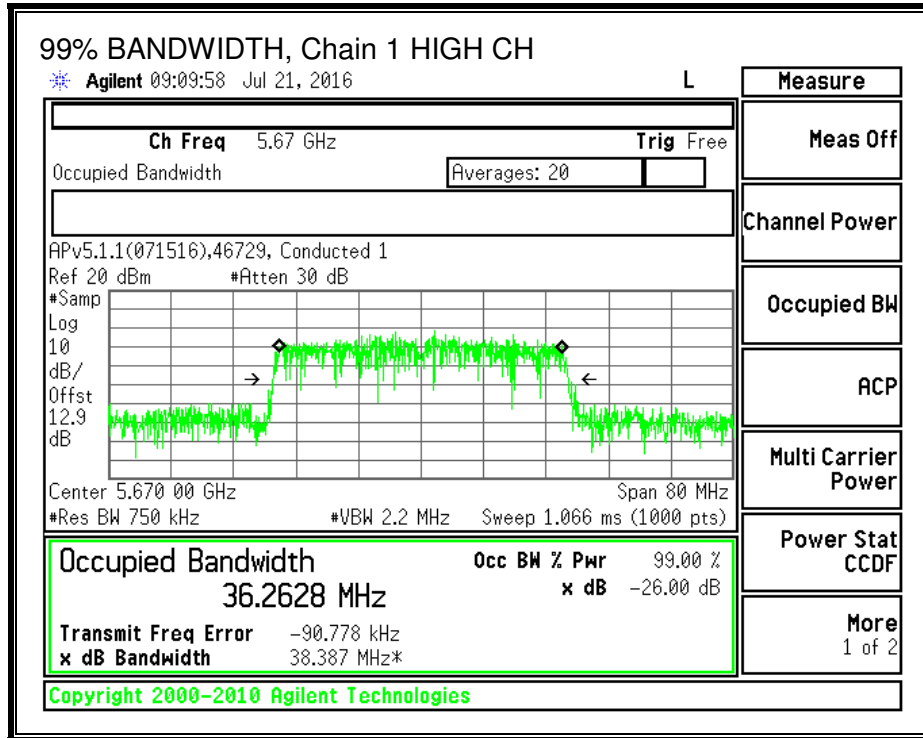




**99% BANDWIDTH, Chain 1**







### 8.12.3. AVERAGE POWER

#### LIMITS

None; for reporting purposes only.

#### RESULTS

##### Average Power Results

| Channel | Frequency<br>(MHz) | Chain 0<br>Power<br>(dBm) | Chain 1<br>Power<br>(dBm) | Total<br>Power<br>(dBm) |
|---------|--------------------|---------------------------|---------------------------|-------------------------|
| Low     | 5510               | 10.30                     | 6.21                      | 11.73                   |
| Mid     | 5550               | 10.09                     | 6.44                      | 11.65                   |
| High    | 5670               | 10.23                     | 6.36                      | 11.72                   |

**8.12.4. OUTPUT POWER AND PSD**

**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.

**DIRECTIONAL ANTENNA GAIN**

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

| Chain 0<br>Antenna<br>Gain<br>(dBi) | Chain 1<br>Antenna<br>Gain<br>(dBi) | Uncorrelated Chains<br>Directional<br>Gain<br>(dBi) |
|-------------------------------------|-------------------------------------|---|
| -2.10                               | -2.20                               | -2.15   |

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

| Chain 0<br>Antenna<br>Gain<br>(dBi) | Chain 1<br>Antenna<br>Gain<br>(dBi) | Correlated Chains<br>Directional<br>Gain<br>(dBi) |
|-------------------------------------|-------------------------------------|---|
| -2.10                               | -2.20                               | 0.86  |

**RESULTS**

**Bandwidth, Antenna Gain, and Limits**

| Channel | Frequency<br>(MHz) | Min<br>26 dB<br>BW<br>(MHz) | Directional<br>Gain<br>for Power<br>(dBi) | Directional<br>Gain<br>for PSD<br>(dBi) | Power<br>Limit<br>(dBm) | PSD<br>Limit<br>(dBm) |
|---------|--------------------|-----------------------------|---|---|-------------------------|-----------------------|
| Low     | 5510               | 40.38                       | -2.15                                     | 0.86                                    | 24.00                   | 11.00                 |
| Mid     | 5550               | 40.26                       | -2.15                                     | 0.86                                    | 24.00                   | 11.00                 |
| High    | 5670               | 40.20                       | -2.15                                     | 0.86                                    | 24.00                   | 11.00                 |

|                           |      |   |
|---------------------------|------|---|
| <b>Duty Cycle CF (dB)</b> | 0.12 | <b>Included in Calculations of Corr'd Power &amp; PSD</b> |
|---------------------------|------|---|

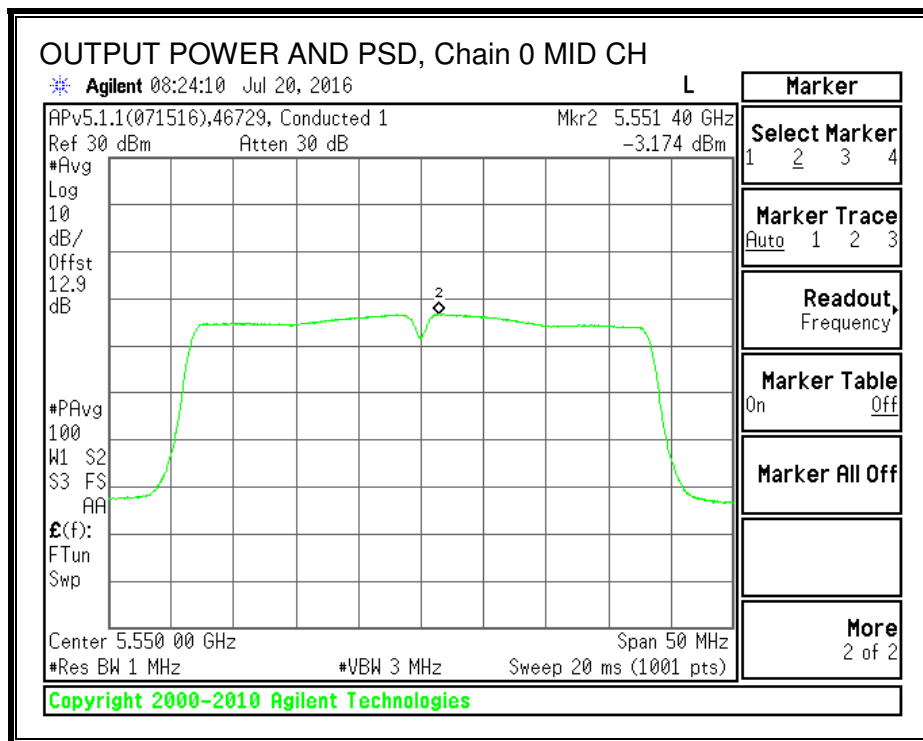
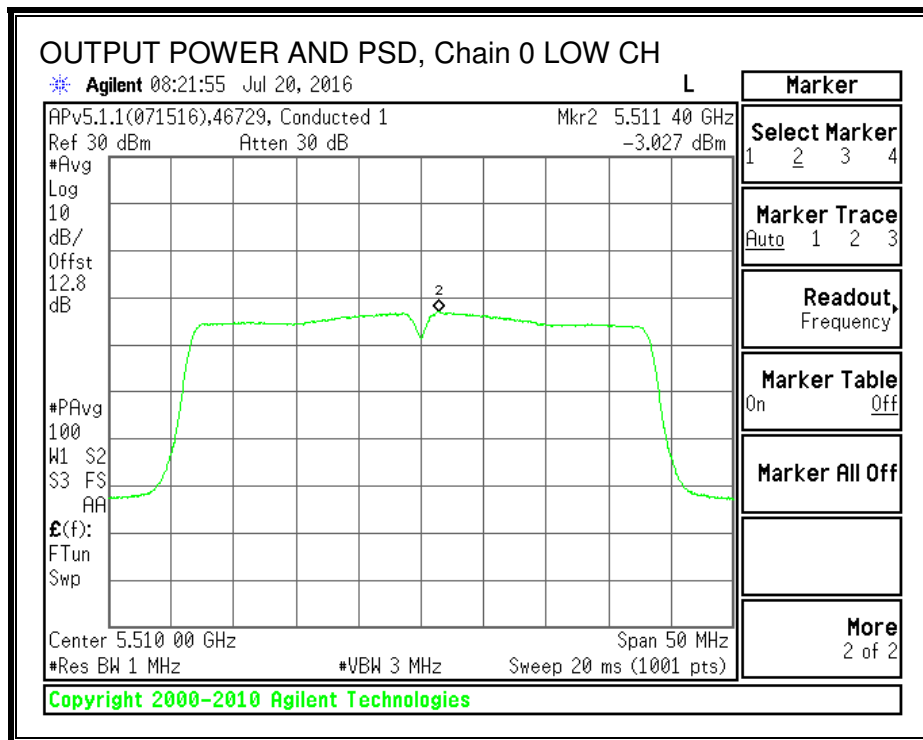
**Output Power Results**

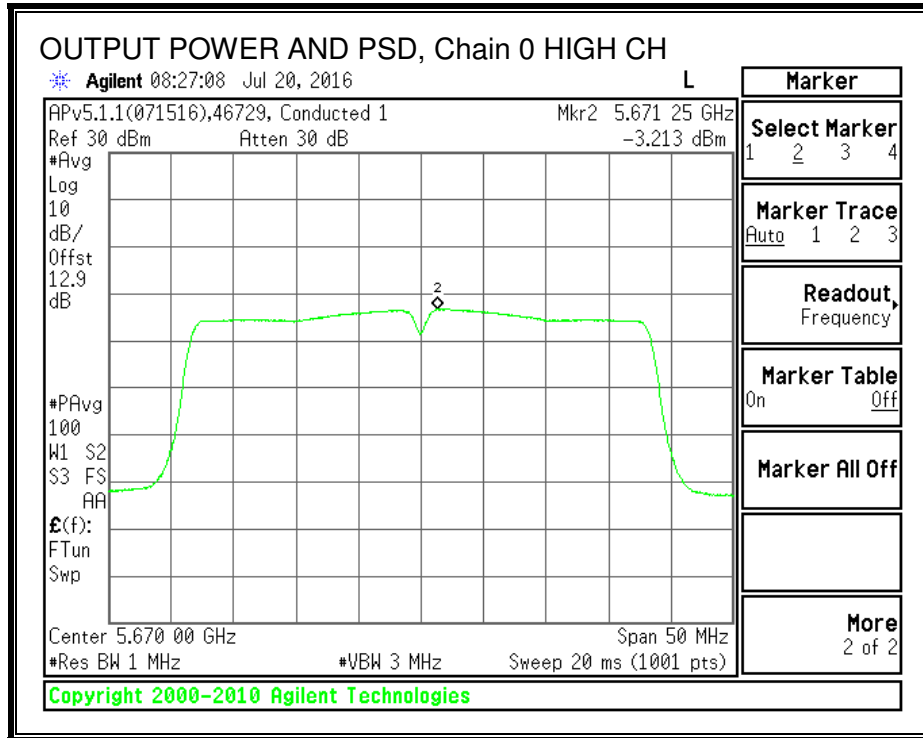
| Channel | Frequency<br>(MHz) | Chain 0<br>Meas<br>Power<br>(dBm) | Chain 1<br>Meas<br>Power<br>(dBm) | Total<br>Corr'd<br>Power<br>(dBm) | Power<br>Limit<br>(dBm) | Power<br>Margin<br>(dB) |
|---------|--------------------|-----------------------------------|-----------------------------------|-----------------------------------|-------------------------|-------------------------|
| Low     | 5510               | 10.30                             | 6.21                              | 11.85                             | 24.00                   | -12.15                  |
| Mid     | 5550               | 10.09                             | 6.44                              | 11.77                             | 24.00                   | -12.23                  |
| High    | 5670               | 10.23                             | 6.36                              | 11.84                             | 24.00                   | -12.16                  |

**PSD Results**

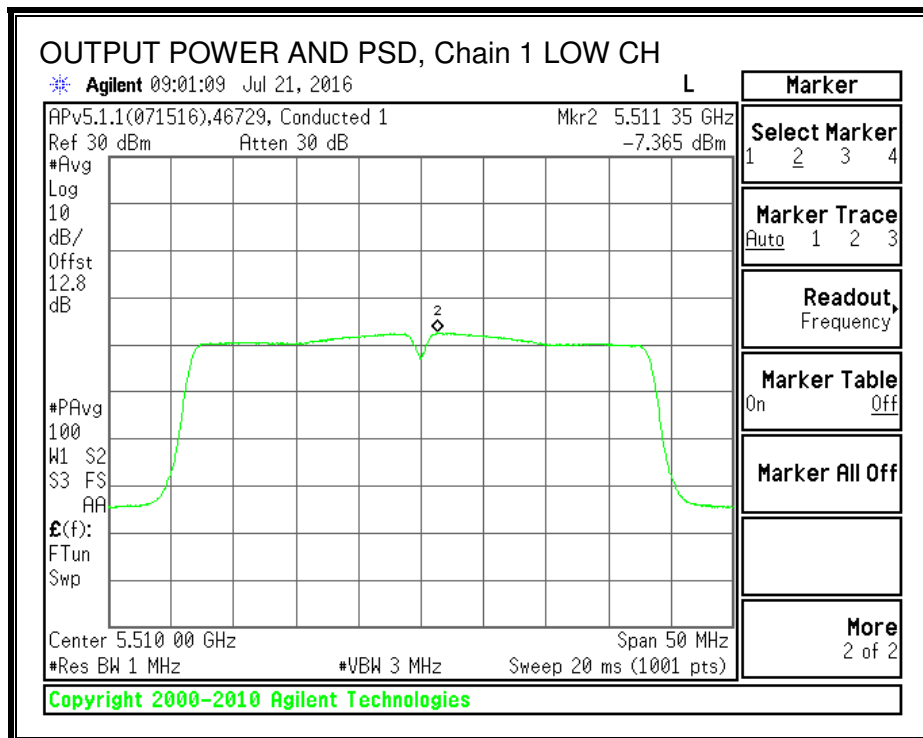
| Channel | Frequency<br>(MHz) | Chain 0<br>Meas<br>PSD<br>(dBm) | Chain 1<br>Meas<br>PSD<br>(dBm) | Total<br>Corr'd<br>PSD<br>(dBm) | PSD<br>Limit<br>(dBm) | PSD<br>Margin<br>(dB) |
|---------|--------------------|---------------------------------|---------------------------------|---------------------------------|-----------------------|-----------------------|
| Low     | 5510               | -3.03                           | -7.37                           | -1.55                           | 11.00                 | -12.55                |
| Mid     | 5550               | -3.17                           | -7.29                           | -1.63                           | 11.00                 | -12.63                |
| High    | 5670               | -3.21                           | -7.31                           | -1.66                           | 11.00                 | -12.66                |

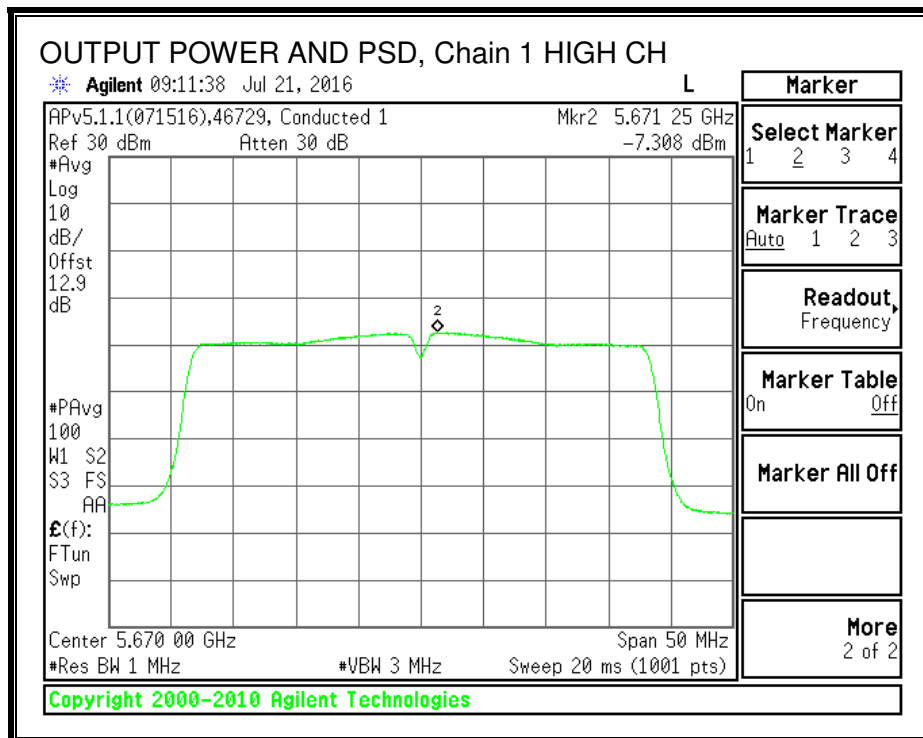
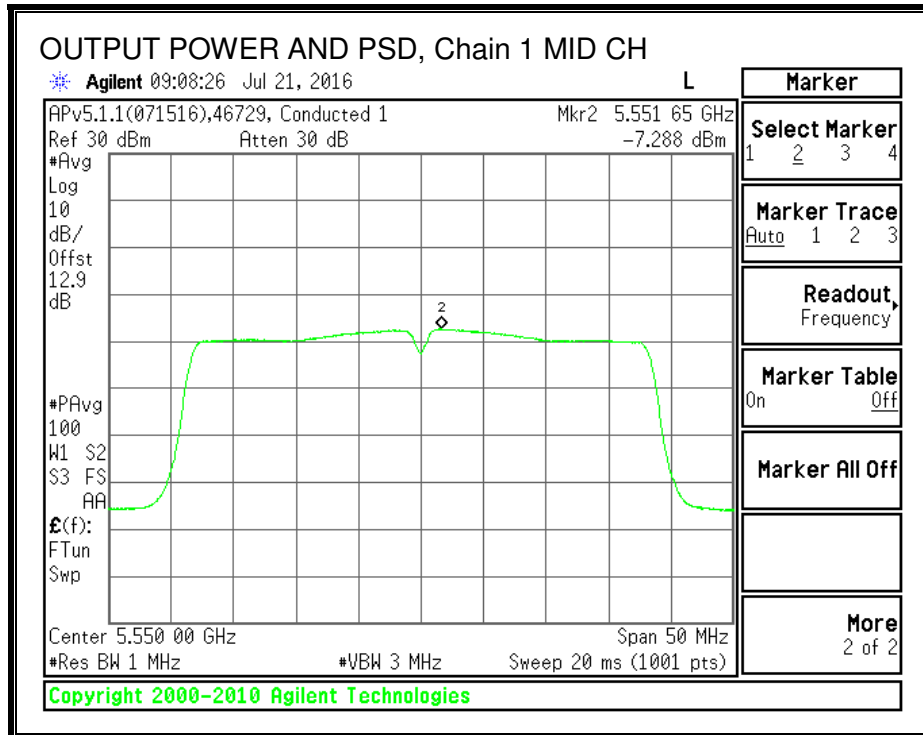
**OUTPUT POWER AND PSD, Chain 0**





**OUTPUT POWER AND PSD, Chain 1**





**STRADDLE CHANNEL 142 RESULTS**

**UNII-2C BAND**

**Bandwidth, Antenna Gain, and Limits**

| Channel | Frequency<br>(MHz) | Min<br>26 dB<br>BW<br>(MHz) | Directional<br>Gain<br>for Power<br>(dBi) | Directional<br>Gain<br>for PSD<br>(dBi) | Power<br>Limit<br>(dBm) | PSD<br>Limit<br>(dBm) |
|---------|--------------------|-----------------------------|---|---|-------------------------|-----------------------|
| 142     | 5710               | 40.50                       | -2.15                                     | 0.86                                    | 24.00                   | 11.00                 |

|                           |      |   |
|---------------------------|------|---|
| <b>Duty Cycle CF (dB)</b> | 0.12 | <b>Included in Calculations of Corr'd Power &amp; PSD</b> |
|---------------------------|------|---|

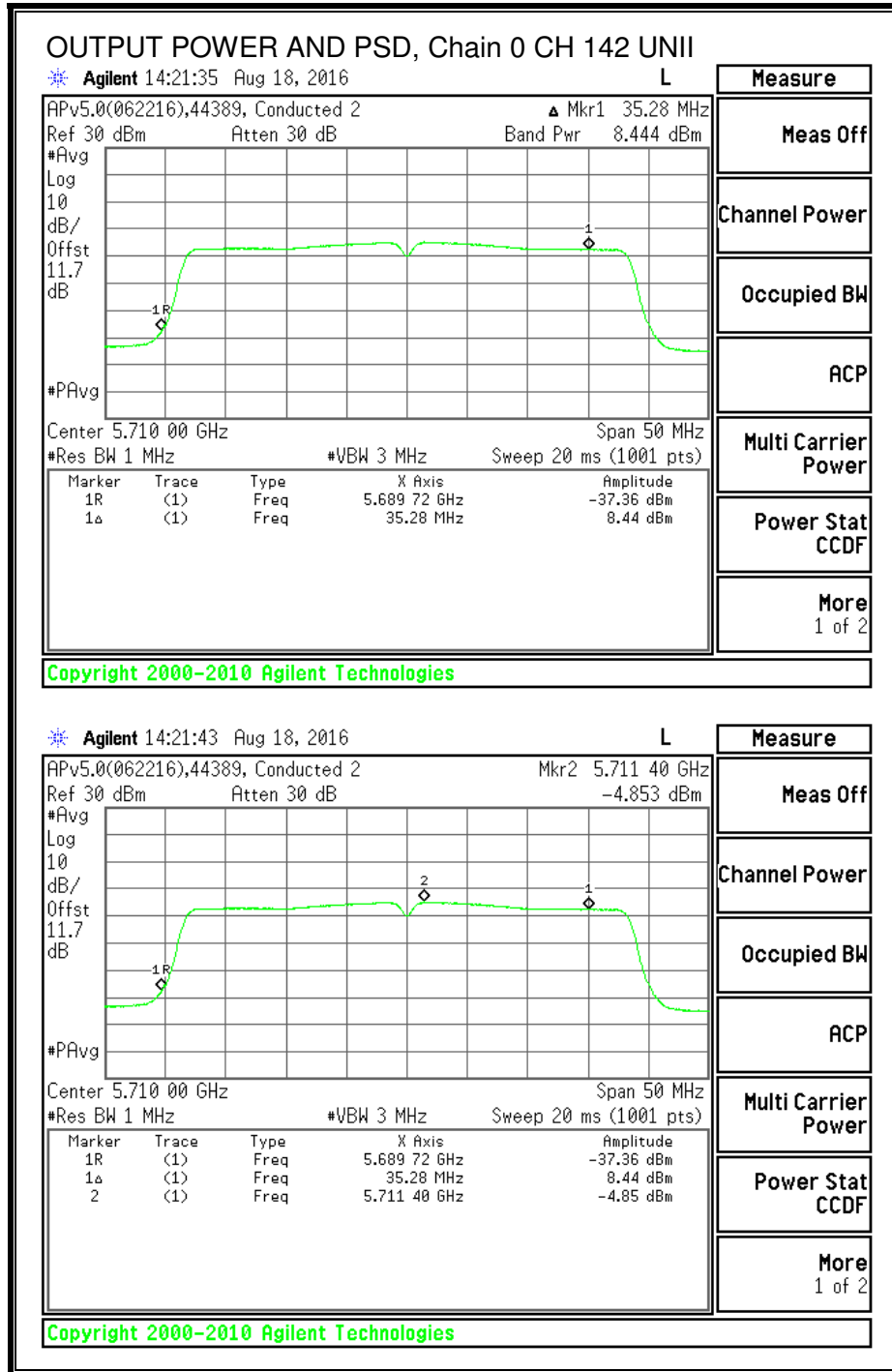
**Output Power Results**

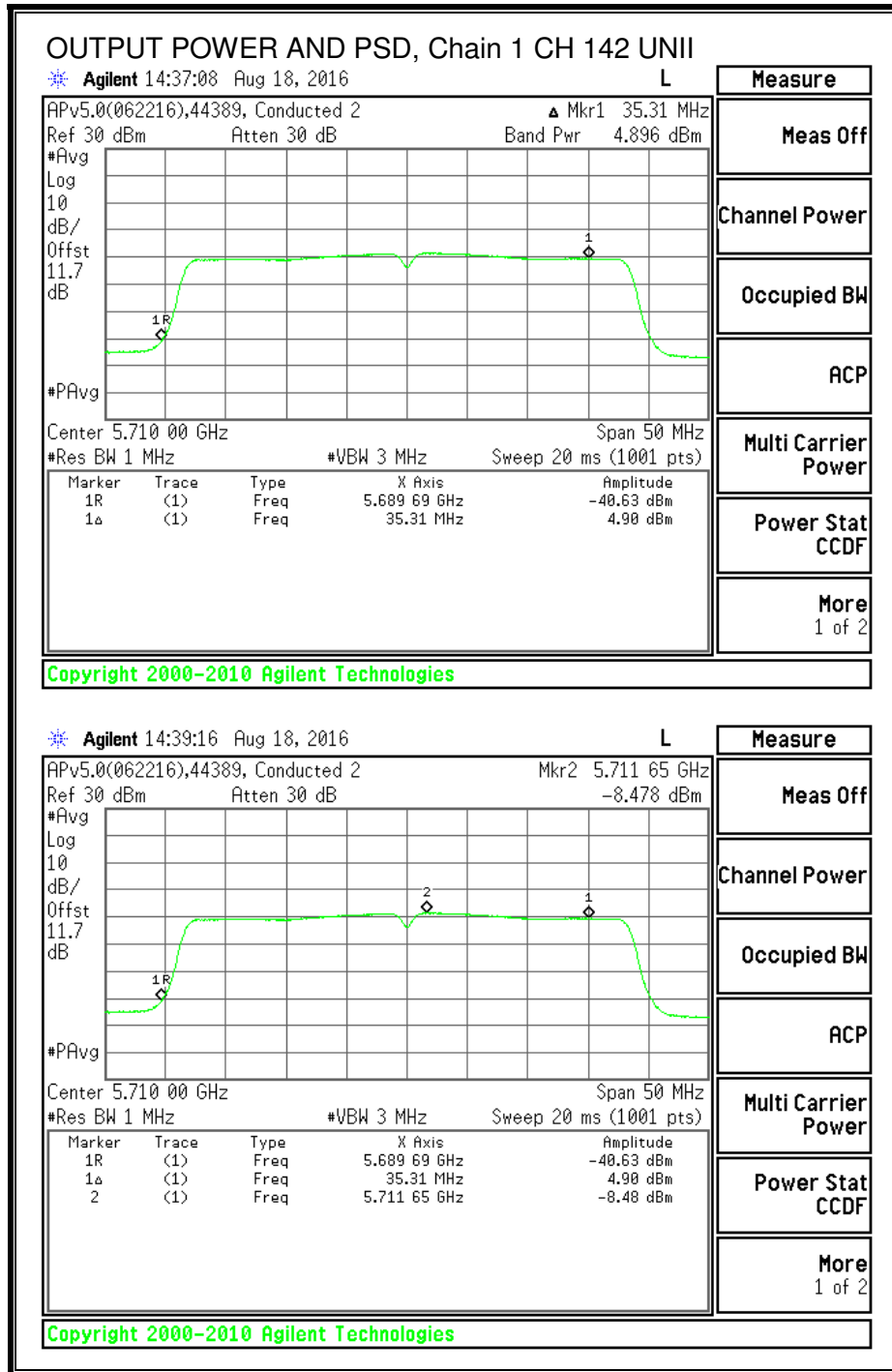
| Channel | Frequency<br>(MHz) | Chain 0<br>Meas<br>Power<br>(dBm) | Chain 1<br>Meas<br>Power<br>(dBm) | Total<br>Corr'd<br>Power<br>(dBm) | Power<br>Limit<br>(dBm) | Power<br>Margin<br>(dB) |
|---------|--------------------|-----------------------------------|-----------------------------------|-----------------------------------|-------------------------|-------------------------|
| 142     | 5710               | 8.44                              | 4.90                              | 10.15                             | 24.00                   | -13.85                  |

**PSD Results**

| Channel | Frequency<br>(MHz) | Chain 0<br>Meas<br>PSD<br>(dBm) | Chain 1<br>Meas<br>PSD<br>(dBm) | Total<br>Corr'd<br>PSD<br>(dBm) | PSD<br>Limit<br>(dBm) | PSD<br>Margin<br>(dB) |
|---------|--------------------|---------------------------------|---------------------------------|---------------------------------|-----------------------|-----------------------|
| 142     | 5710               | -4.85                           | -8.48                           | -3.17                           | 11.00                 | -14.17                |







**UNII-3 BAND**

**Antenna Gain and Limit**

| Channel | Frequency<br>(MHz) | Directional<br>Gain<br>for Power<br>(dBi) | Directional<br>Gain<br>for PSD<br>(dBi) | Power<br>Limit<br>(dBm) | PSD<br>Limit<br>(dBm) |
|---------|--------------------|---|---|-------------------------|-----------------------|
| 142     | 5710               | -2.15                                     | 0.86                                    | 30.00                   | 30.00                 |

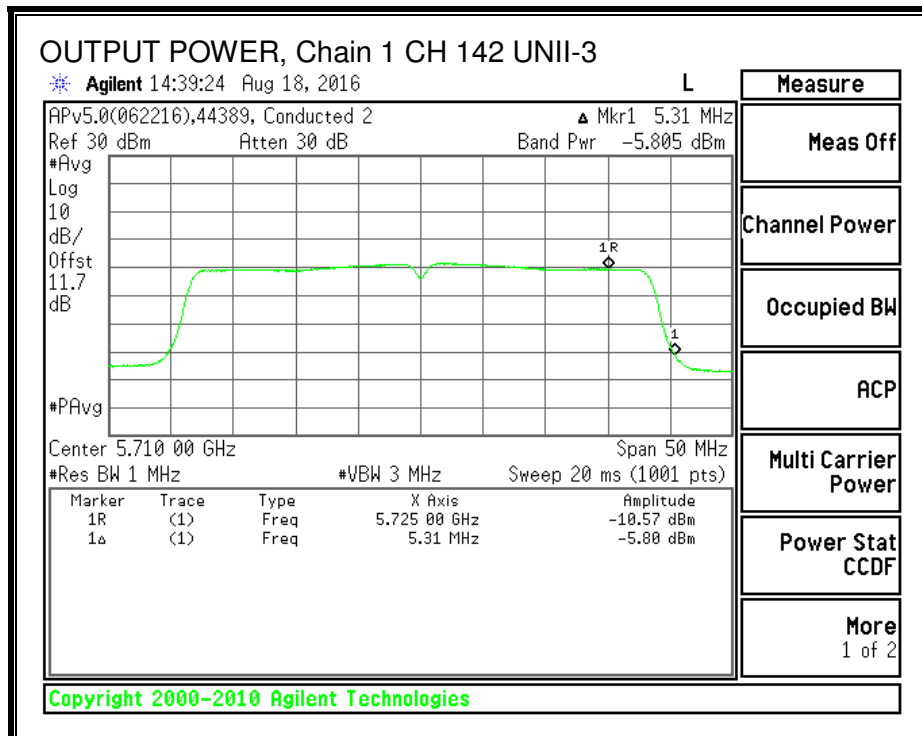
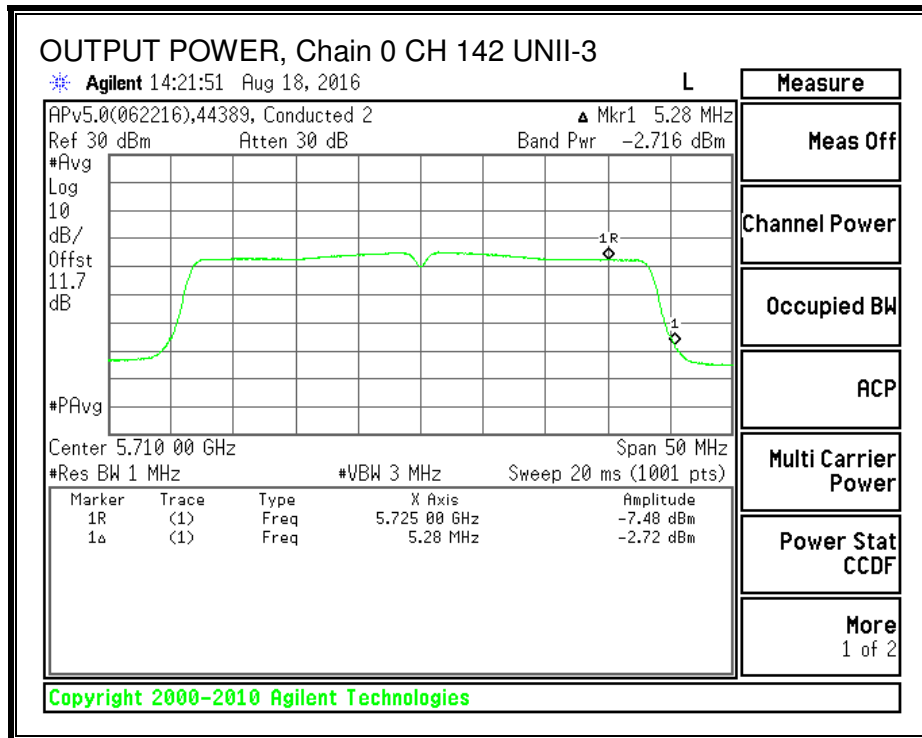
|                           |      |   |
|---------------------------|------|---|
| <b>Duty Cycle CF (dB)</b> | 0.12 | <b>Included in Calculations of Corr'd Power &amp; PSD</b> |
|---------------------------|------|---|

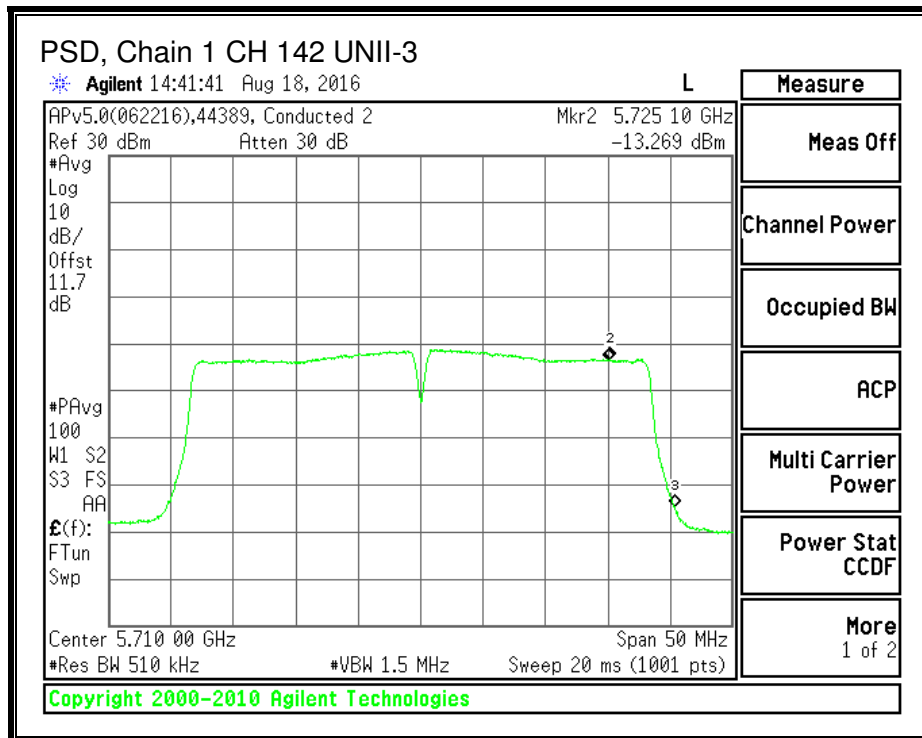
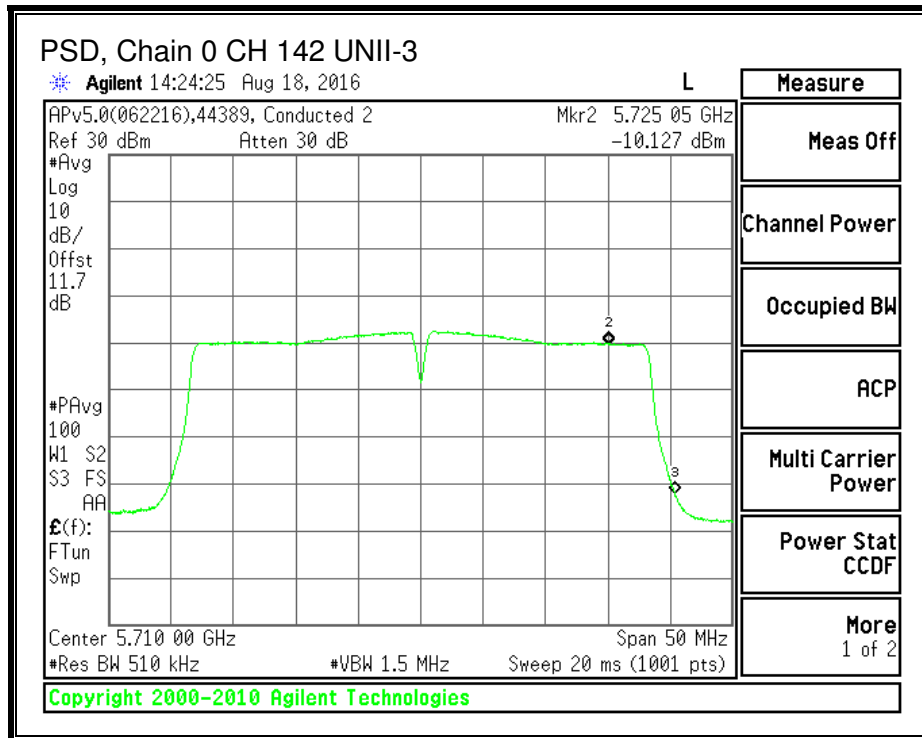
**Output Power Results**

| Channel | Frequency<br>(MHz) | Chain 0<br>Meas<br>Power<br>(dBm) | Chain 1<br>Meas<br>Power<br>(dBm) | Total<br>Corr'd<br>Power<br>(dBm) | Power<br>Limit<br>(dBm) | Power<br>Margin<br>(dB) |
|---------|--------------------|-----------------------------------|-----------------------------------|-----------------------------------|-------------------------|-------------------------|
| 142     | 5710               | -2.72                             | -5.81                             | -0.86                             | 30.00                   | -30.86                  |

**PSD Results**

| Channel | Frequency<br>(MHz) | Chain 0<br>Meas<br>PSD<br>(dBm) | Chain 1<br>Meas<br>PSD<br>(dBm) | Total<br>Corr'd<br>PSD<br>(dBm) | PSD<br>Limit<br>(dBm) | PSD<br>Margin<br>(dB) |
|---------|--------------------|---------------------------------|---------------------------------|---------------------------------|-----------------------|-----------------------|
| 142     | 5710               | -10.13                          | -13.27                          | -8.29                           | 30.00                 | -38.29                |





### 8.13. 802.11n HT80 MODE IN THE 5.6 GHz BAND

#### 8.13.1. 26 dB BANDWIDTH

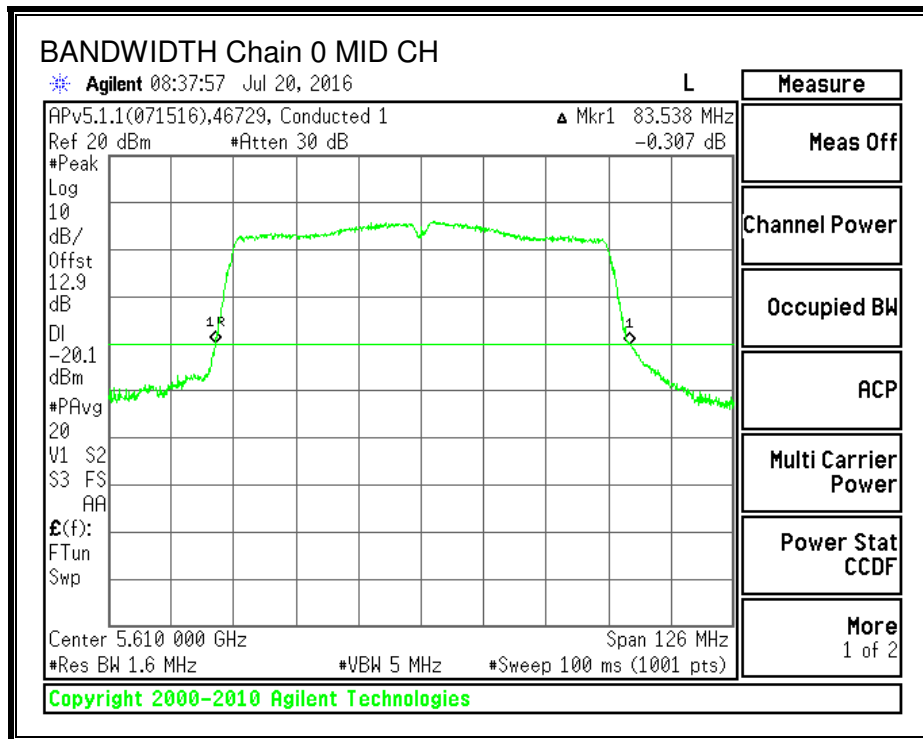
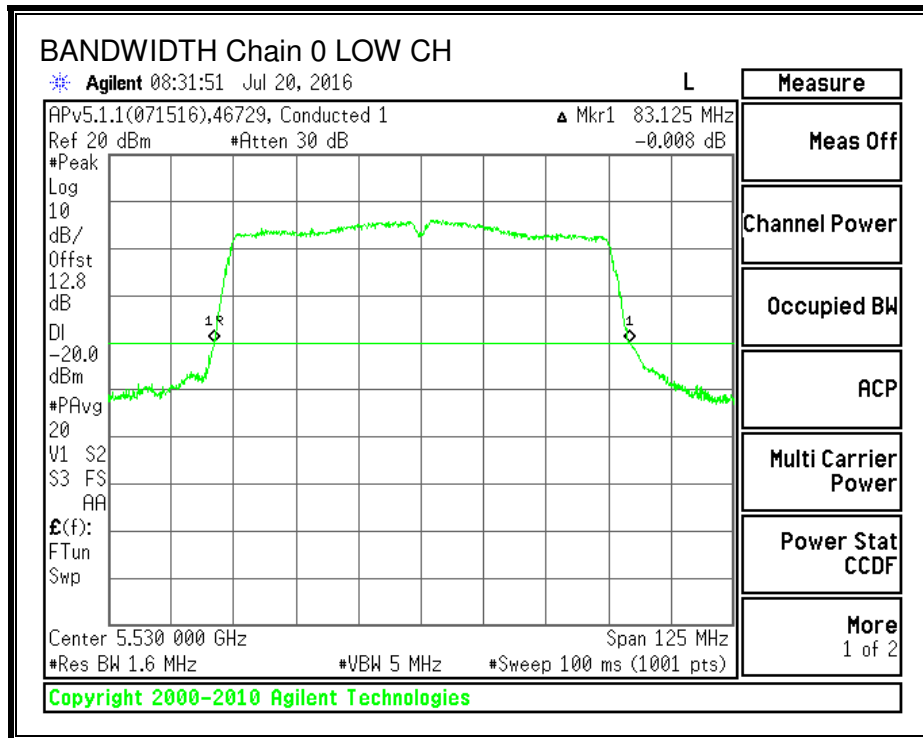
##### LIMITS

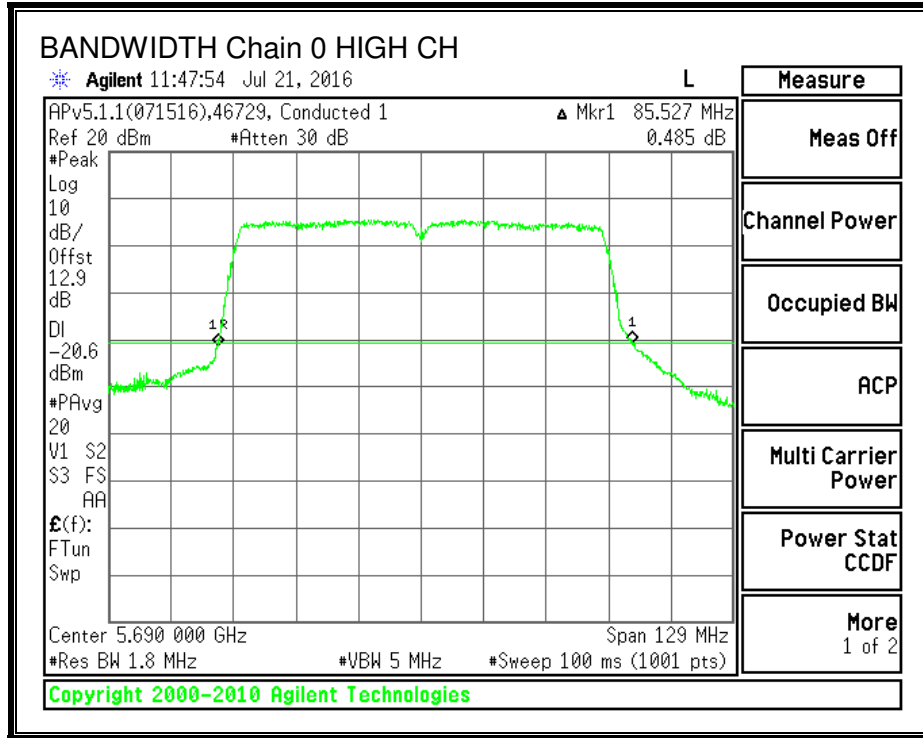
None; for reporting purposes only.

##### RESULTS

| Channel | Frequency<br>(MHz) | 26 dB BW         |                  |
|---------|--------------------|------------------|------------------|
|         |                    | Chain 0<br>(MHz) | Chain 1<br>(MHz) |
| Low     | 5530               | 83.13            | 84.58            |
| High    | 5610               | 83.54            | 85.91            |
| 138     | 5690               | 85.53            | 87.25            |

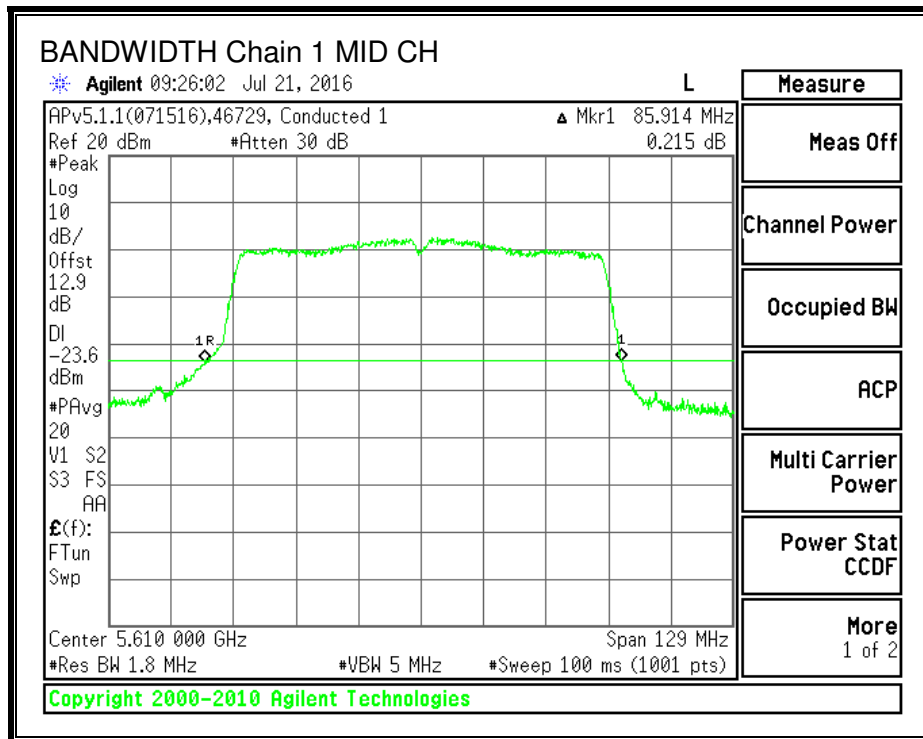
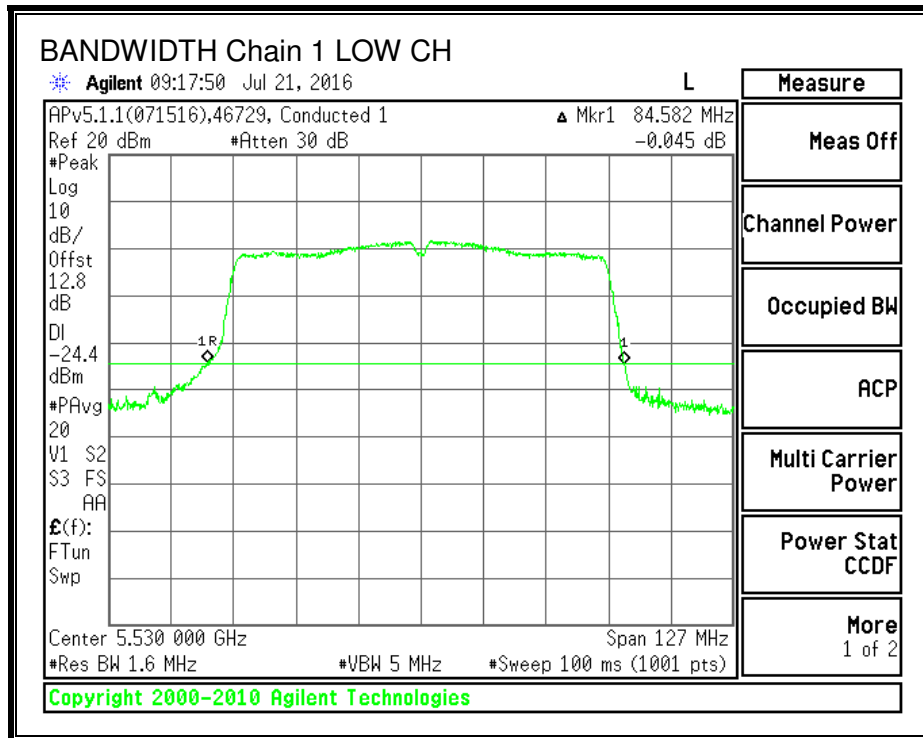
**26 dB BANDWIDTH, Chain 0**

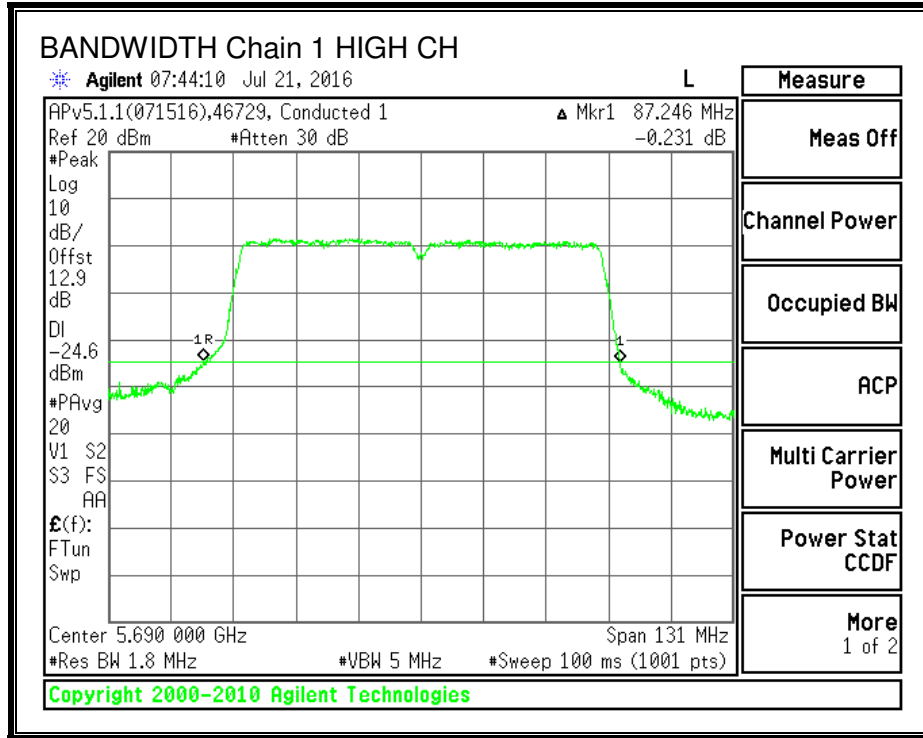






**26 dB BANDWIDTH, Chain 1**





**8.13.2. 99% BANDWIDTH**

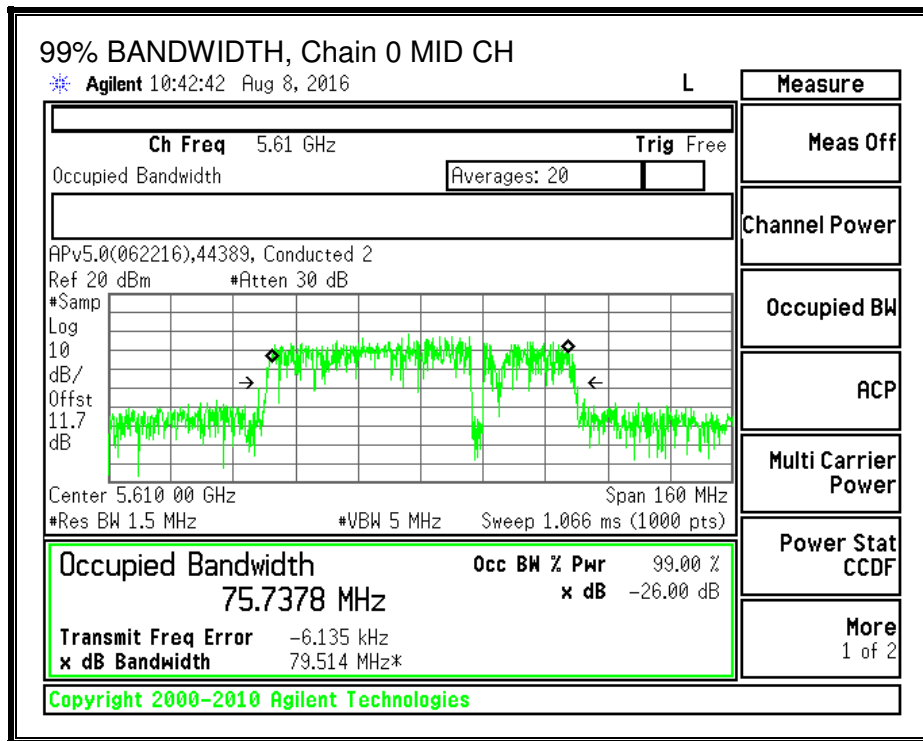
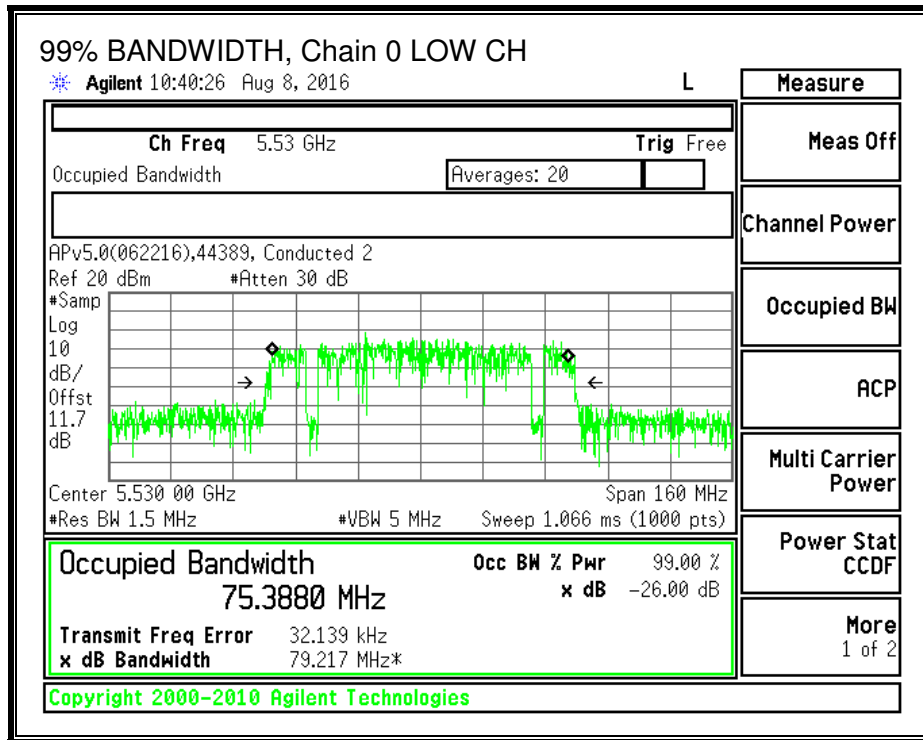
**LIMITS**

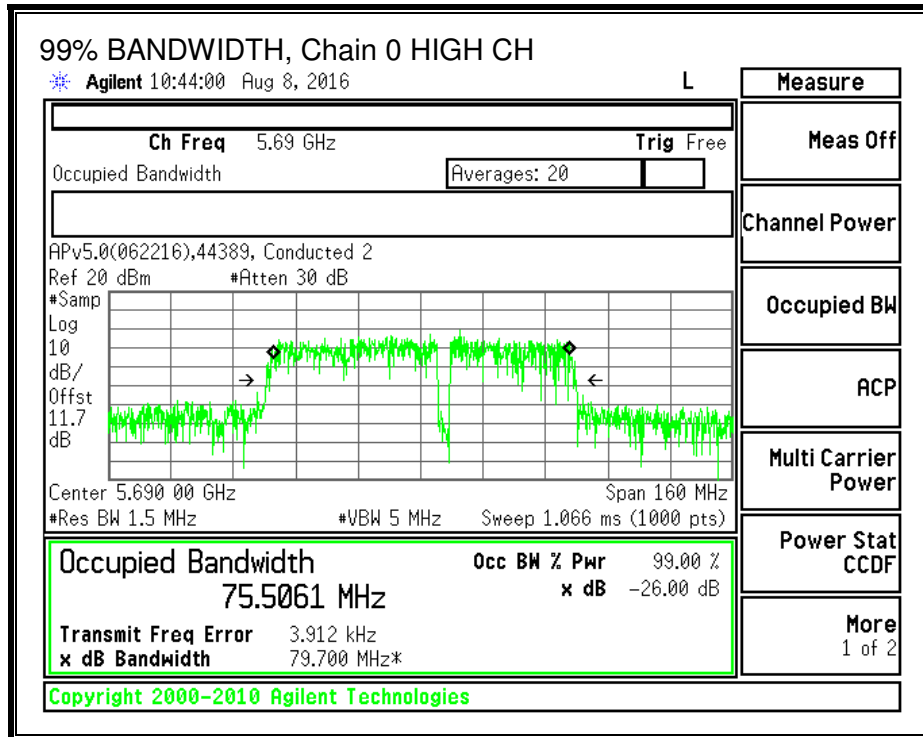
None; for reporting purposes only.

**RESULTS**

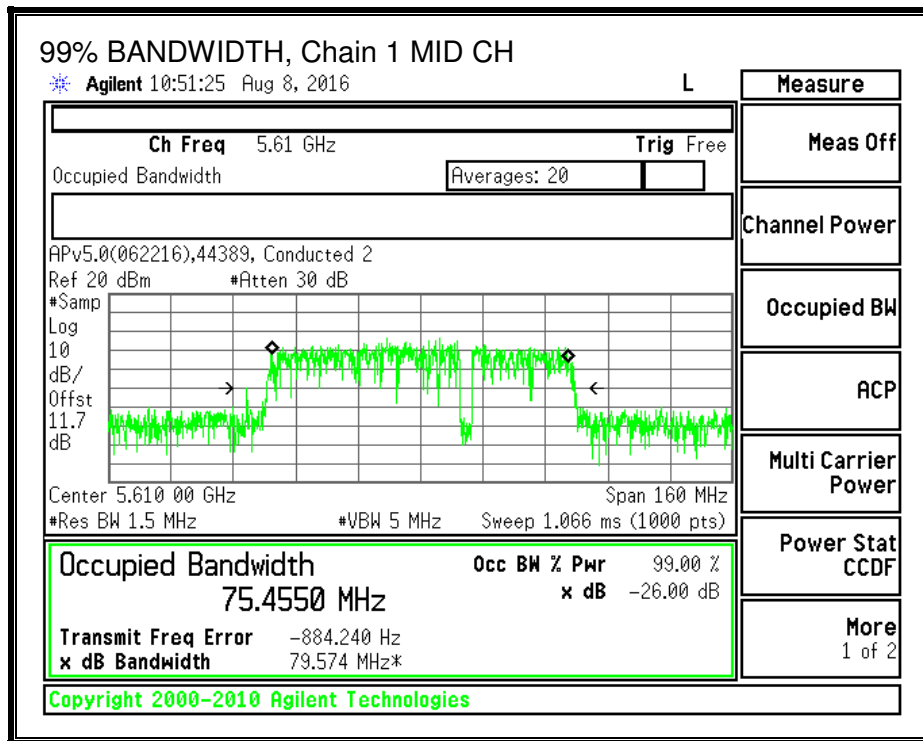
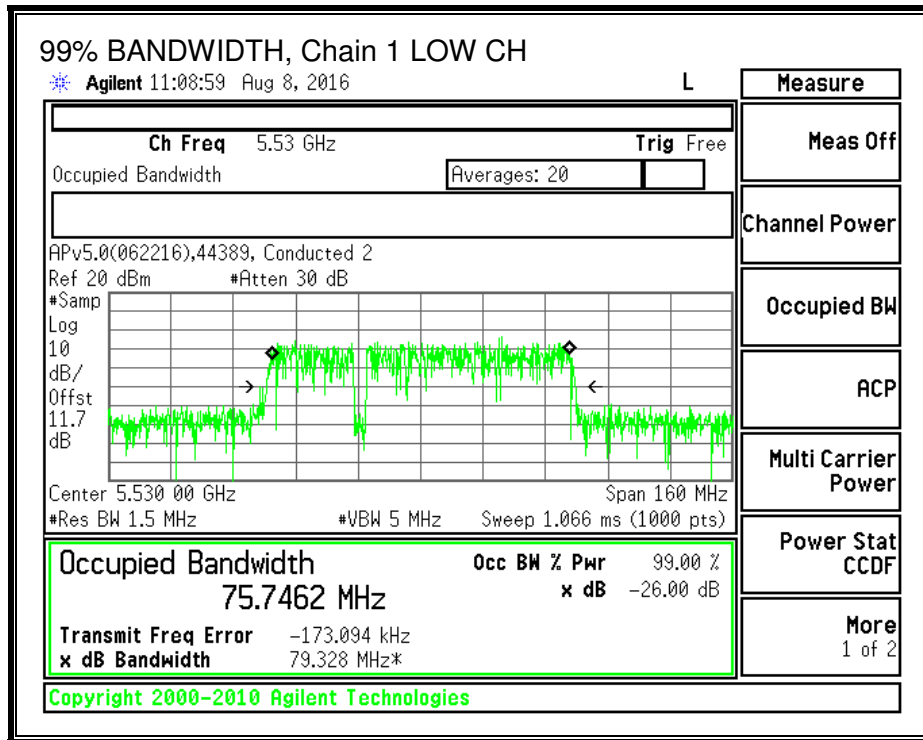
| Channel | Frequency<br>(MHz) | 99% BW<br>Chain 0<br>(MHz) | 99% BW<br>Chain 1<br>(MHz) |
|---------|--------------------|----------------------------|----------------------------|
| Low     | 5530               | 75.3880                    | 75.7462                    |
| Mid     | 5610               | 75.7378                    | 75.4550                    |
| High    | 5690               | 75.5061                    | 75.6913                    |

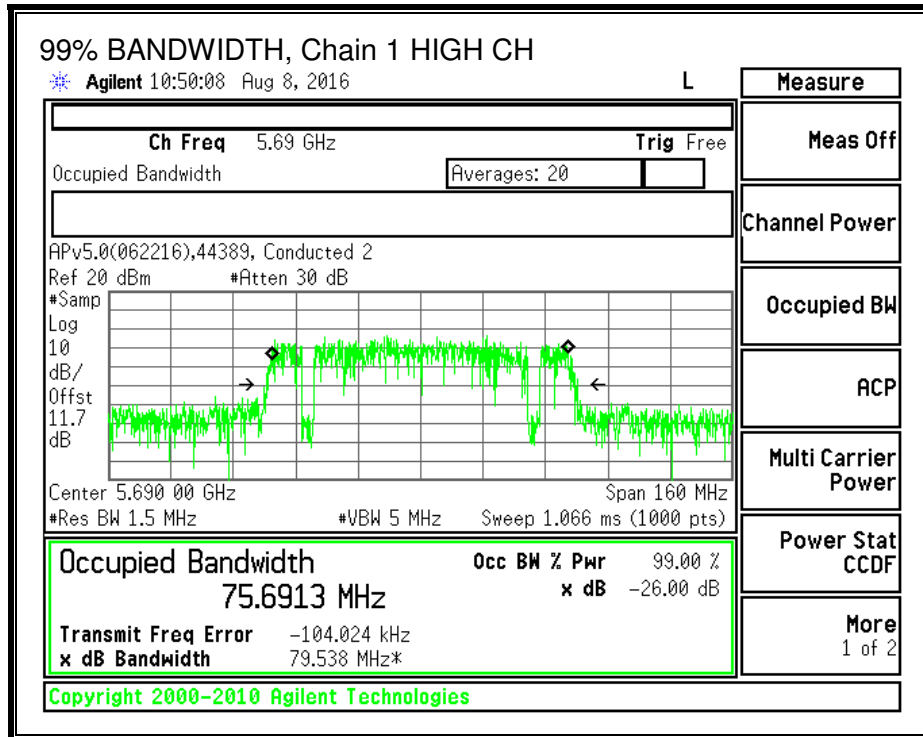
**99% BANDWIDTH, Chain 0**





**99% BANDWIDTH, Chain 1**





### 8.13.3. AVERAGE POWER

#### LIMITS

None; for reporting purposes only.

#### RESULTS

##### Average Power Results

| Channel | Frequency<br>(MHz) | Chain 0<br>Power<br>(dBm) | Chain 1<br>Power<br>(dBm) | Total<br>Power<br>(dBm) |
|---------|--------------------|---------------------------|---------------------------|-------------------------|
| Low     | 5530               | 10.16                     | 6.16                      | 11.62                   |
| High    | 5610               | 10.08                     | 6.40                      | 11.63                   |



**8.13.4. OUTPUT POWER AND PSD**

**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.

**DIRECTIONAL ANTENNA GAIN**

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

| Chain 0<br>Antenna<br>Gain<br>(dBi) | Chain 1<br>Antenna<br>Gain<br>(dBi) | Uncorrelated Chains<br>Directional<br>Gain<br>(dBi) |
|-------------------------------------|-------------------------------------|---|
| -2.10                               | -2.20                               | -2.15   |

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

| Chain 0<br>Antenna<br>Gain<br>(dBi) | Chain 1<br>Antenna<br>Gain<br>(dBi) | Correlated Chains<br>Directional<br>Gain<br>(dBi) |
|-------------------------------------|-------------------------------------|---|
| -2.10                               | -2.20                               | 0.86  |

**RESULTS**

**Bandwidth, Antenna Gain, and Limits**

| Channel | Frequency<br>(MHz) | Min<br>26 dB<br>BW<br>(MHz) | Directional<br>Gain<br>for Power<br>(dBi) | Directional<br>Gain<br>for PSD<br>(dBi) | Power<br>Limit<br>(dBm) | PSD<br>Limit<br>(dBm) |
|---------|--------------------|-----------------------------|---|---|-------------------------|-----------------------|
| Low     | 5530               | 83.13                       | -2.15                                     | 0.86                                    | 24.00                   | 11.00                 |
| Mid     | 5610               | 83.54                       | -2.15                                     | 0.86                                    | 24.00                   | 11.00                 |

|                           |      |   |
|---------------------------|------|---|
| <b>Duty Cycle CF (dB)</b> | 0.26 | <b>Included in Calculations of Corr'd Power &amp; PSD</b> |
|---------------------------|------|---|

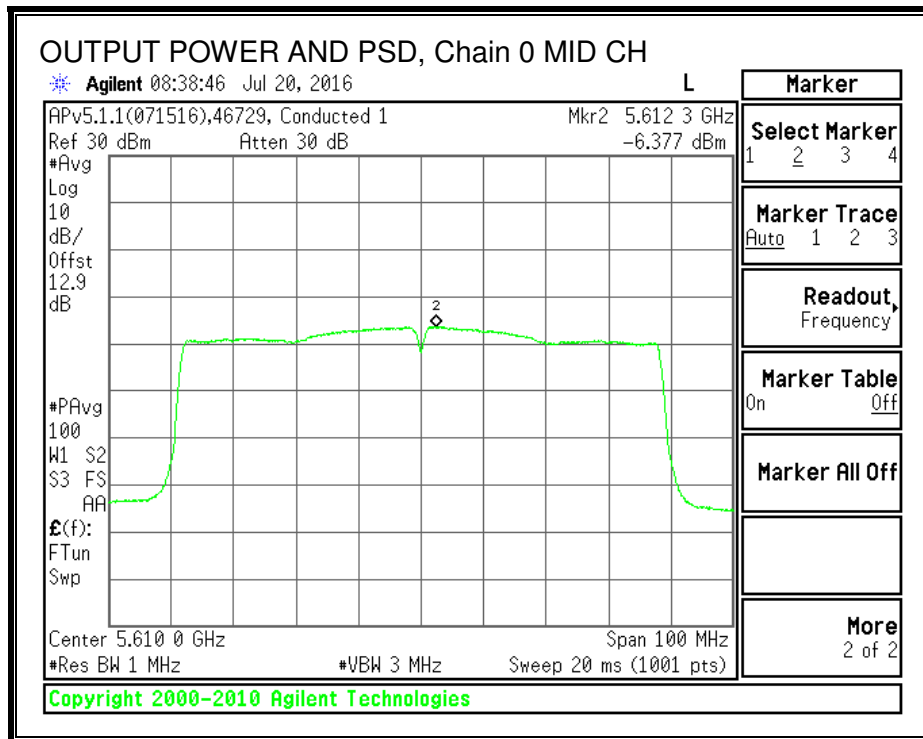
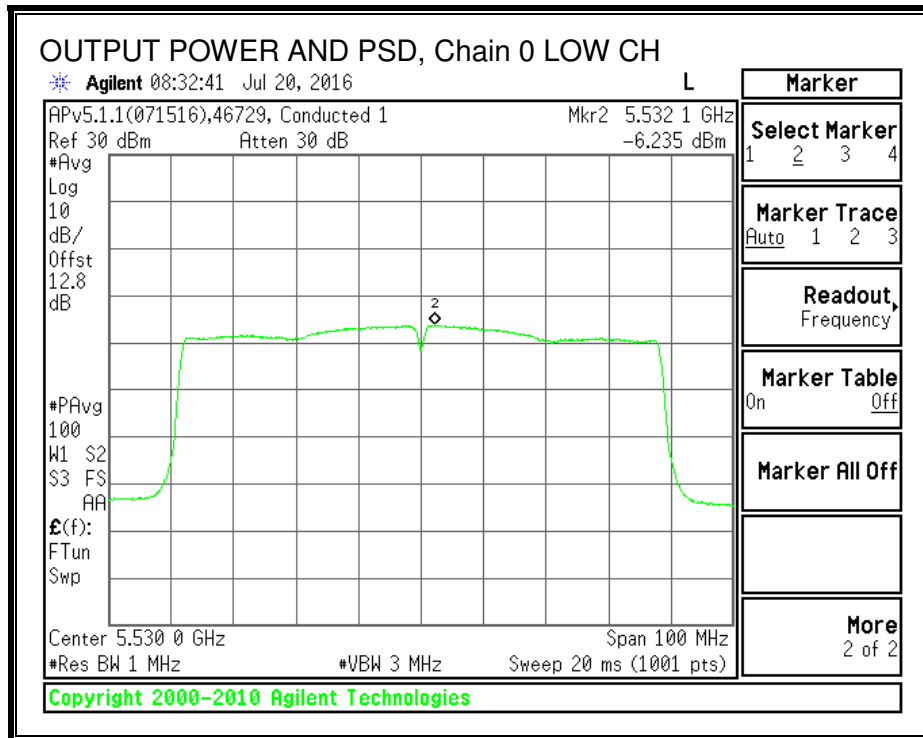
**Output Power Results**

| Channel | Frequency<br>(MHz) | Chain 0<br>Meas<br>Power<br>(dBm) | Chain 1<br>Meas<br>Power<br>(dBm) | Total<br>Corr'd<br>Power<br>(dBm) | Power<br>Limit<br>(dBm) | Power<br>Margin<br>(dB) |
|---------|--------------------|-----------------------------------|-----------------------------------|-----------------------------------|-------------------------|-------------------------|
| Low     | 5530               | 10.16                             | 6.16                              | 11.88                             | 24.00                   | -12.12                  |
| Mid     | 5610               | 10.08                             | 6.40                              | 11.89                             | 24.00                   | -12.11                  |

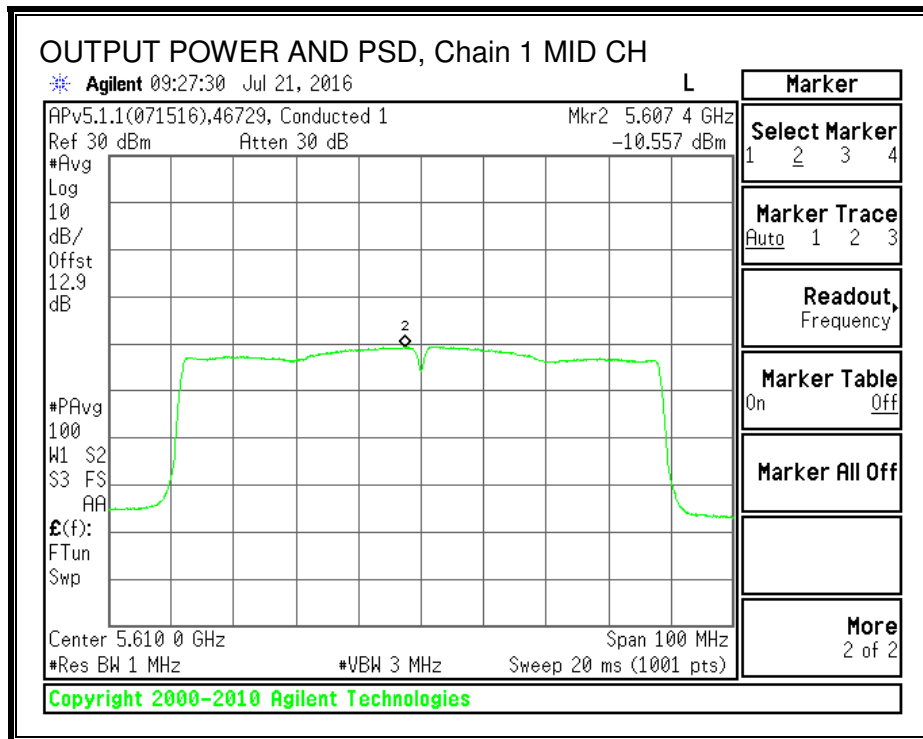
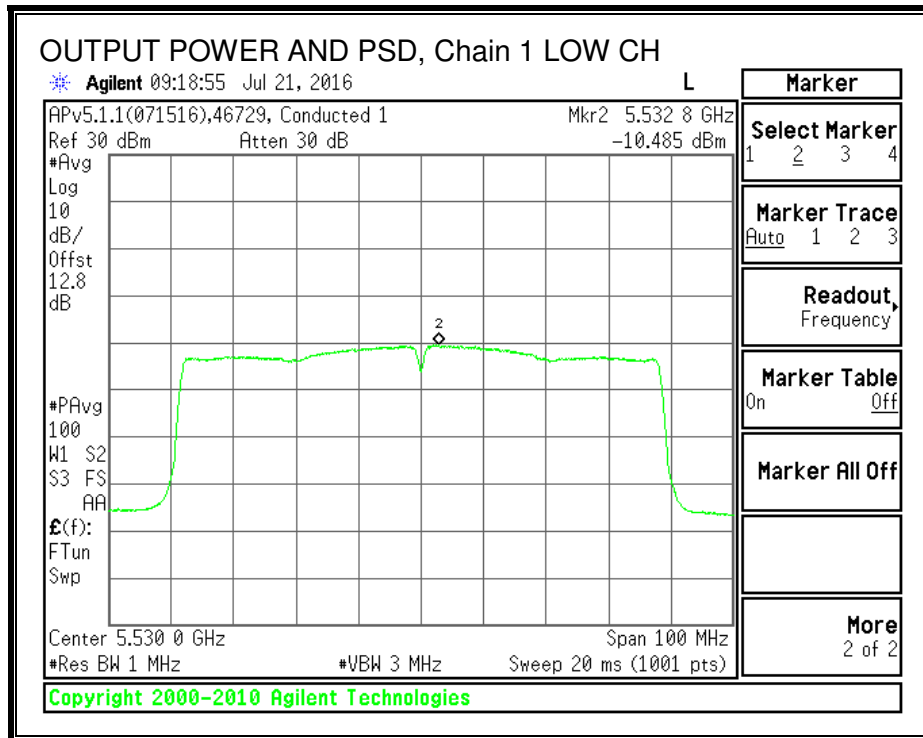
**PSD Results**

| Channel | Frequency<br>(MHz) | Chain 0<br>Meas<br>PSD<br>(dBm) | Chain 1<br>Meas<br>PSD<br>(dBm) | Total<br>Corr'd<br>PSD<br>(dBm) | PSD<br>Limit<br>(dBm) | PSD<br>Margin<br>(dB) |
|---------|--------------------|---------------------------------|---------------------------------|---------------------------------|-----------------------|-----------------------|
| Low     | 5530               | -6.24                           | -10.49                          | -4.59                           | 11.00                 | -15.59                |
| Mid     | 5610               | -6.38                           | -10.56                          | -4.71                           | 11.00                 | -15.71                |

**OUTPUT POWER AND PSD, Chain 0**



**OUTPUT POWER AND PSD, Chain 1**



**STRADDLE CHANNEL 138 RESULTS**

**UNII-2C BAND**

**Bandwidth, Antenna Gain, and Limits**

| Channel | Frequency<br>(MHz) | Min<br>26 dB<br>BW<br>(MHz) | Directional<br>Gain<br>for Power<br>(dBi) | Directional<br>Gain<br>for PSD<br>(dBi) | Power<br>Limit<br>(dBm) | PSD<br>Limit<br>(dBm) |
|---------|--------------------|-----------------------------|---|---|-------------------------|-----------------------|
| 138     | 5690               | 85.53                       | -2.15                                     | 0.86                                    | 24.00                   | 11.00                 |

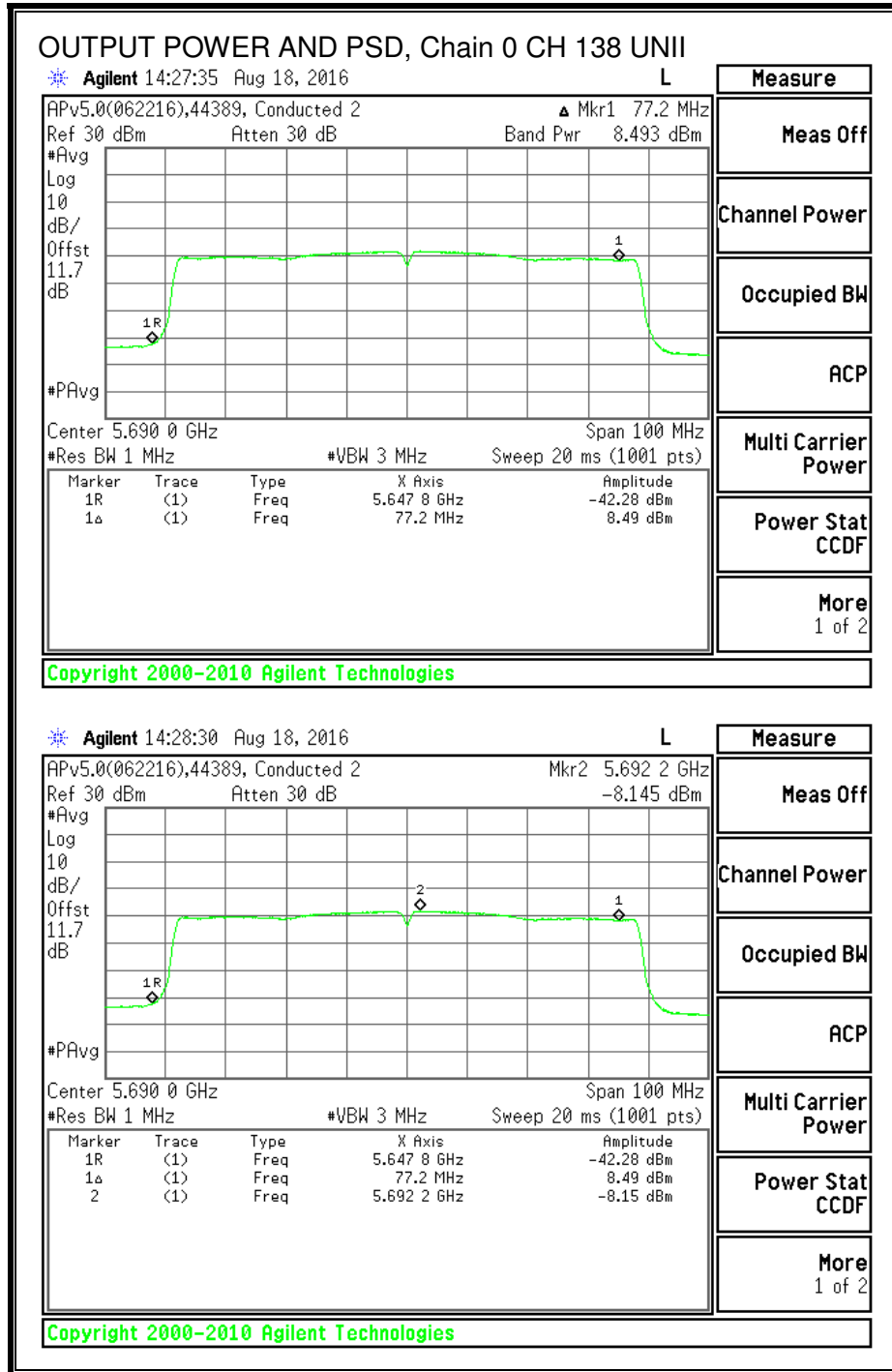
|                           |      |   |
|---------------------------|------|---|
| <b>Duty Cycle CF (dB)</b> | 0.26 | <b>Included in Calculations of Corr'd Power &amp; PSD</b> |
|---------------------------|------|---|

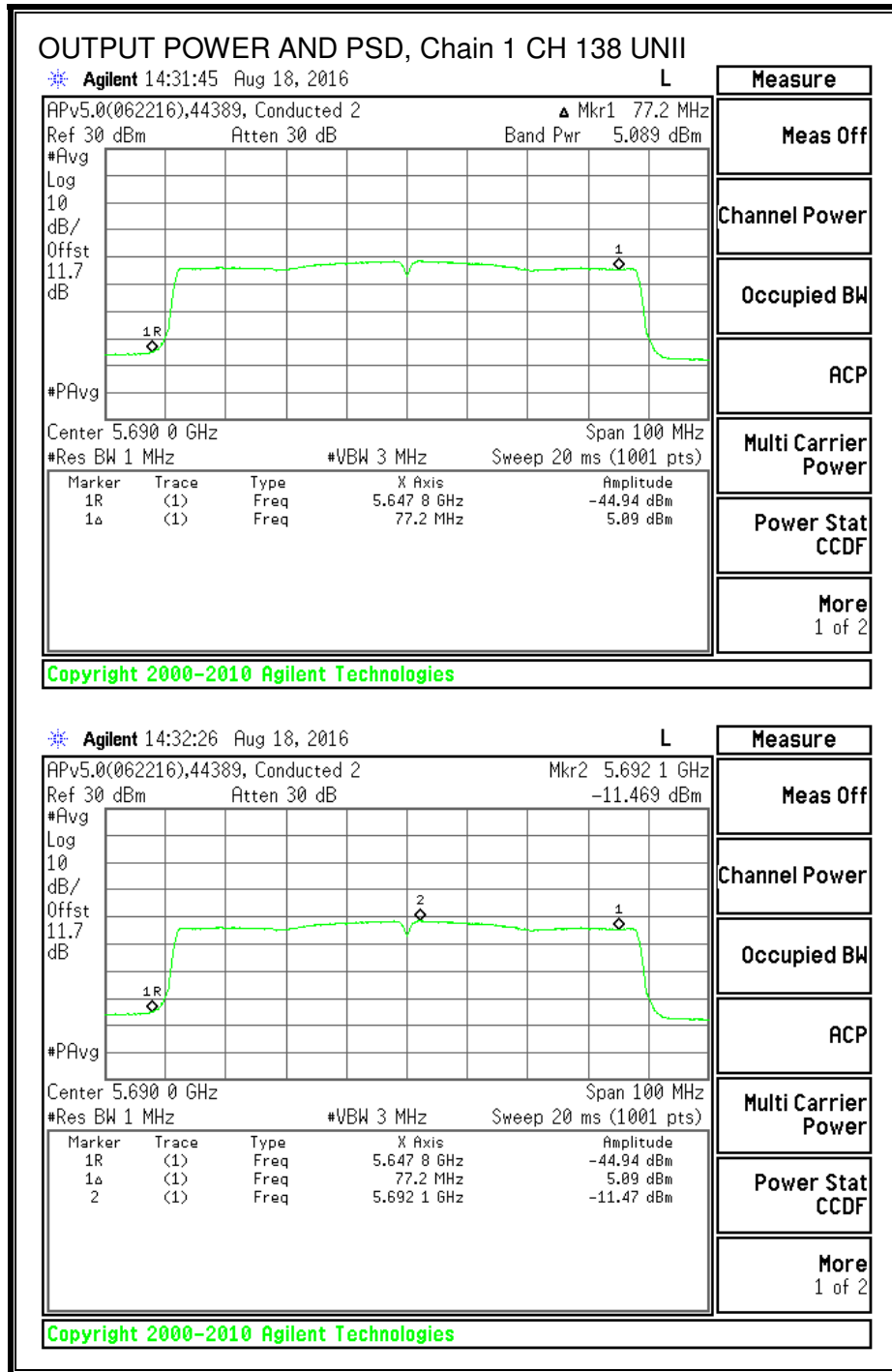
**Output Power Results**

| Channel | Frequency<br>(MHz) | Chain 0<br>Meas<br>Power<br>(dBm) | Chain 1<br>Meas<br>Power<br>(dBm) | Total<br>Corr'd<br>Power<br>(dBm) | Power<br>Limit<br>(dBm) | Power<br>Margin<br>(dB) |
|---------|--------------------|-----------------------------------|-----------------------------------|-----------------------------------|-------------------------|-------------------------|
| 138     | 5690               | 8.49                              | 5.09                              | 10.39                             | 24.00                   | -13.61                  |

**PSD Results**

| Channel | Frequency<br>(MHz) | Chain 0<br>Meas<br>PSD<br>(dBm) | Chain 1<br>Meas<br>PSD<br>(dBm) | Total<br>Corr'd<br>PSD<br>(dBm) | PSD<br>Limit<br>(dBm) | PSD<br>Margin<br>(dB) |
|---------|--------------------|---------------------------------|---------------------------------|---------------------------------|-----------------------|-----------------------|
| 138     | 5690               | -8.15                           | -11.47                          | -6.23                           | 11.00                 | -17.23                |





**UNII-3 BAND**

**Antenna Gain and Limit**

| Channel | Frequency<br>(MHz) | Directional<br>Gain<br>for Power<br>(dBi) | Directional<br>Gain<br>for PSD<br>(dBi) | Power<br>Limit<br>(dBm) | PSD<br>Limit<br>(dBm) |
|---------|--------------------|---|---|-------------------------|-----------------------|
| 138     | 5690               | -2.15                                     | 0.86                                    | 30.00                   | 30.00                 |

|                           |      |   |
|---------------------------|------|---|
| <b>Duty Cycle CF (dB)</b> | 0.26 | <b>Included in Calculations of Corr'd Power &amp; PSD</b> |
|---------------------------|------|---|

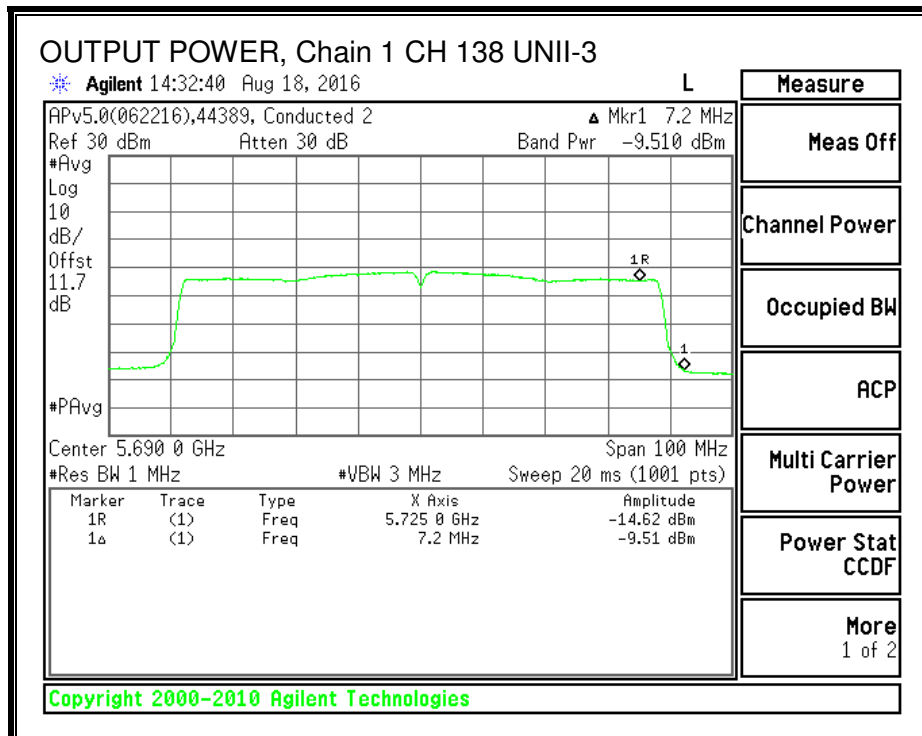
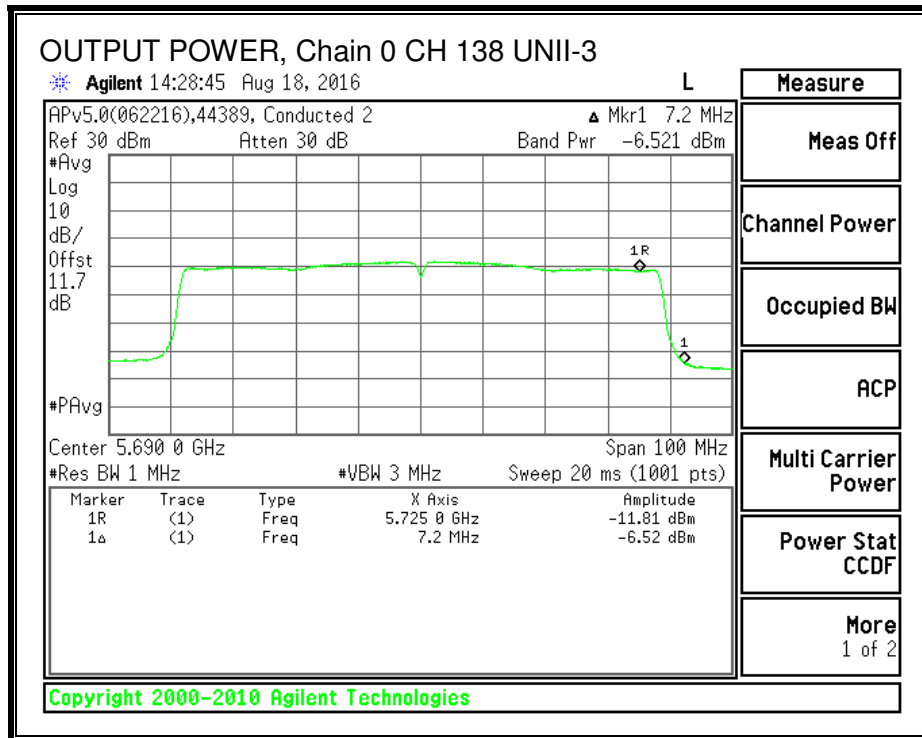
**Output Power Results**

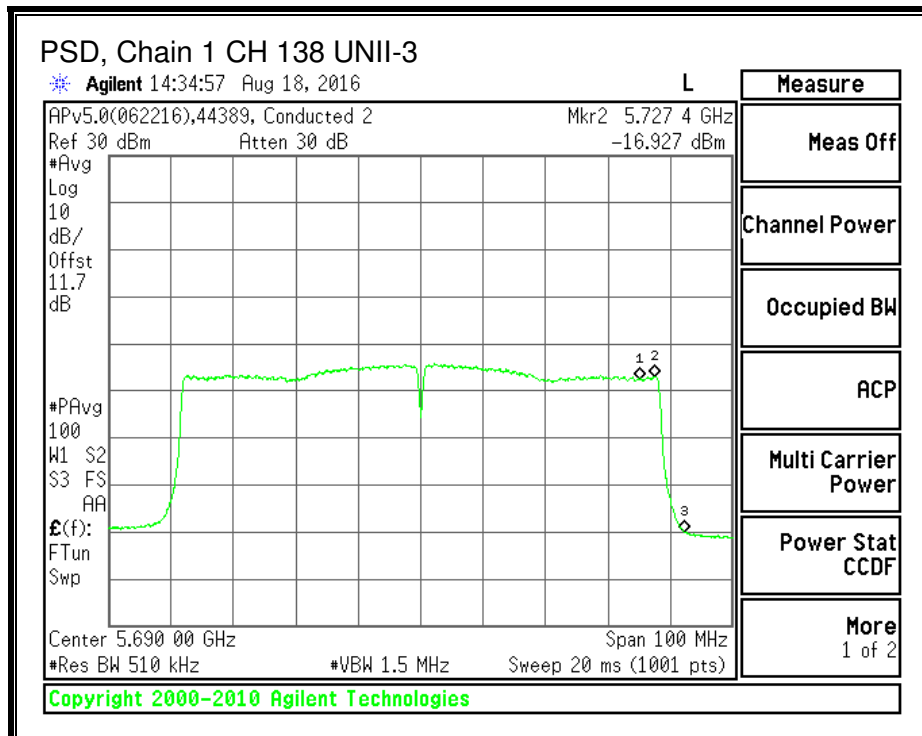
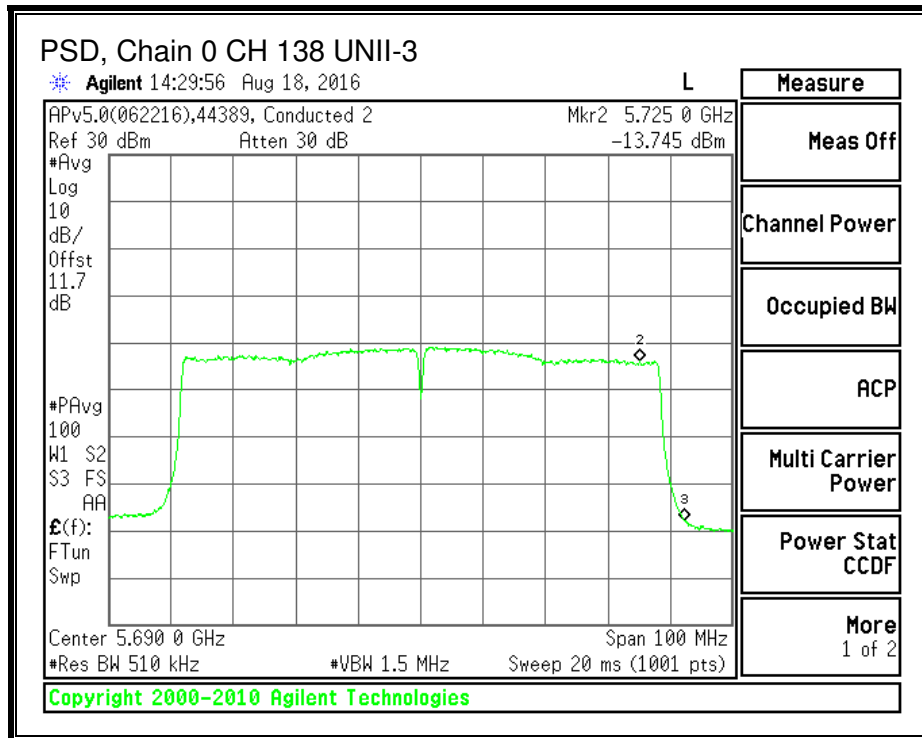
| Channel | Frequency<br>(MHz) | Chain 0<br>Meas<br>Power<br>(dBm) | Chain 1<br>Meas<br>Power<br>(dBm) | Total<br>Corr'd<br>Power<br>(dBm) | Power<br>Limit<br>(dBm) | Power<br>Margin<br>(dB) |
|---------|--------------------|-----------------------------------|-----------------------------------|-----------------------------------|-------------------------|-------------------------|
| 138     | 5690               | -6.52                             | -9.51                             | -4.49                             | 30.00                   | -34.49                  |

**PSD Results**

| Channel | Frequency<br>(MHz) | Chain 0<br>Meas<br>PSD<br>(dBm) | Chain 1<br>Meas<br>PSD<br>(dBm) | Total<br>Corr'd<br>PSD<br>(dBm) | PSD<br>Limit<br>(dBm) | PSD<br>Margin<br>(dB) |
|---------|--------------------|---------------------------------|---------------------------------|---------------------------------|-----------------------|-----------------------|
| 138     | 5690               | -13.75                          | -16.93                          | -11.78                          | 30.00                 | -41.78                |







## 8.14. 802.11a MODE IN THE 5.8 GHz BAND

### 8.14.1. 6 dB BANDWIDTH

#### LIMITS

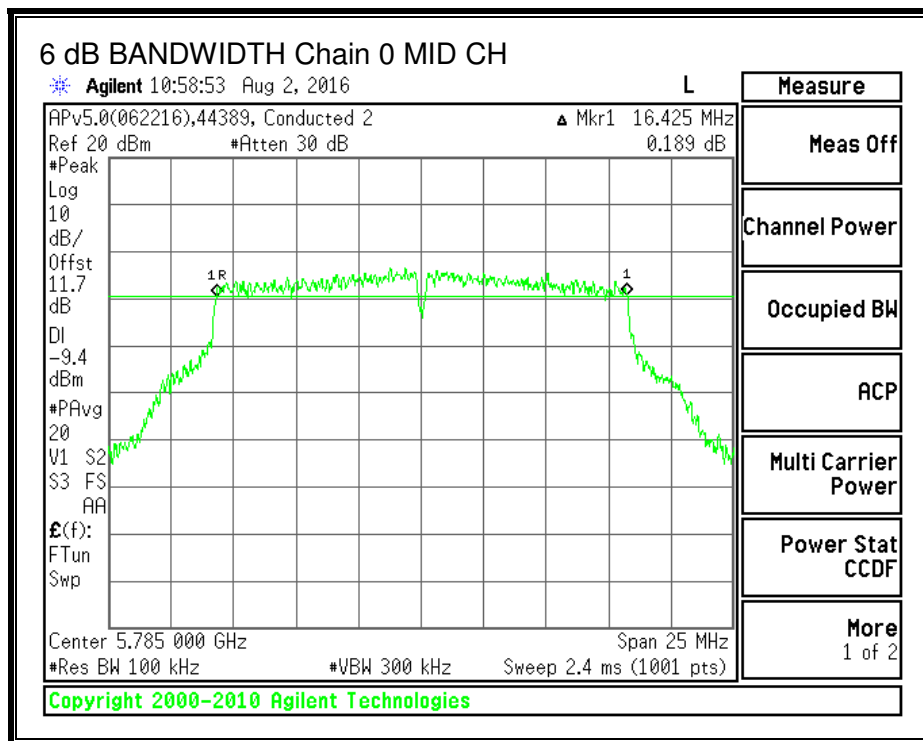
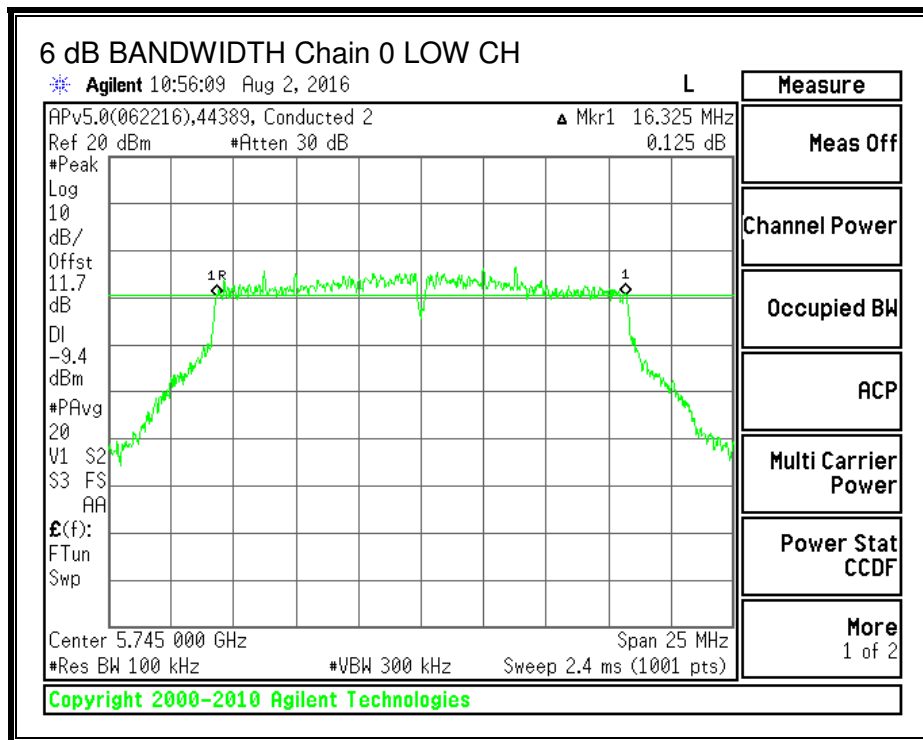
FCC §15.407 (e)

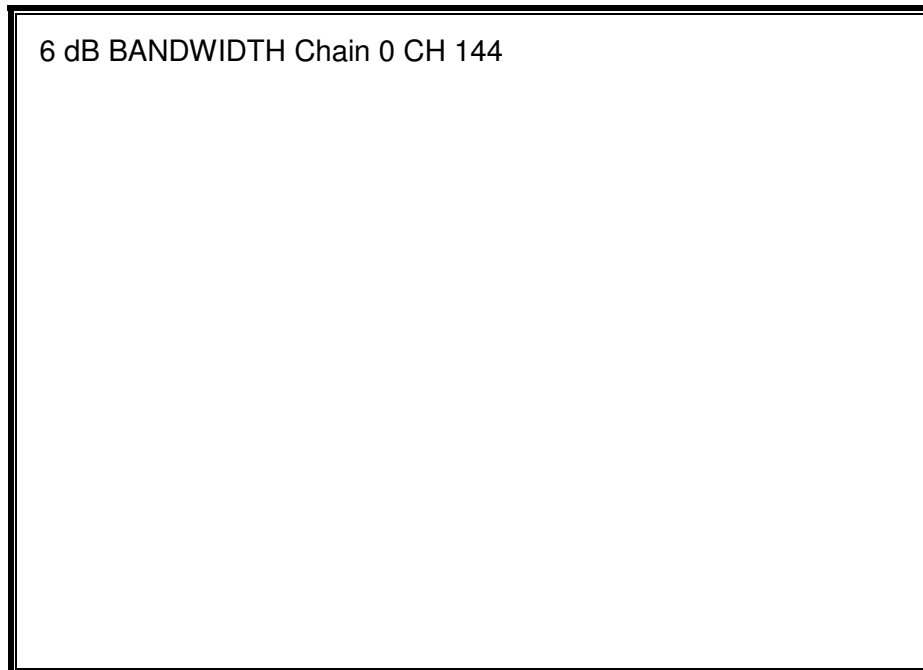
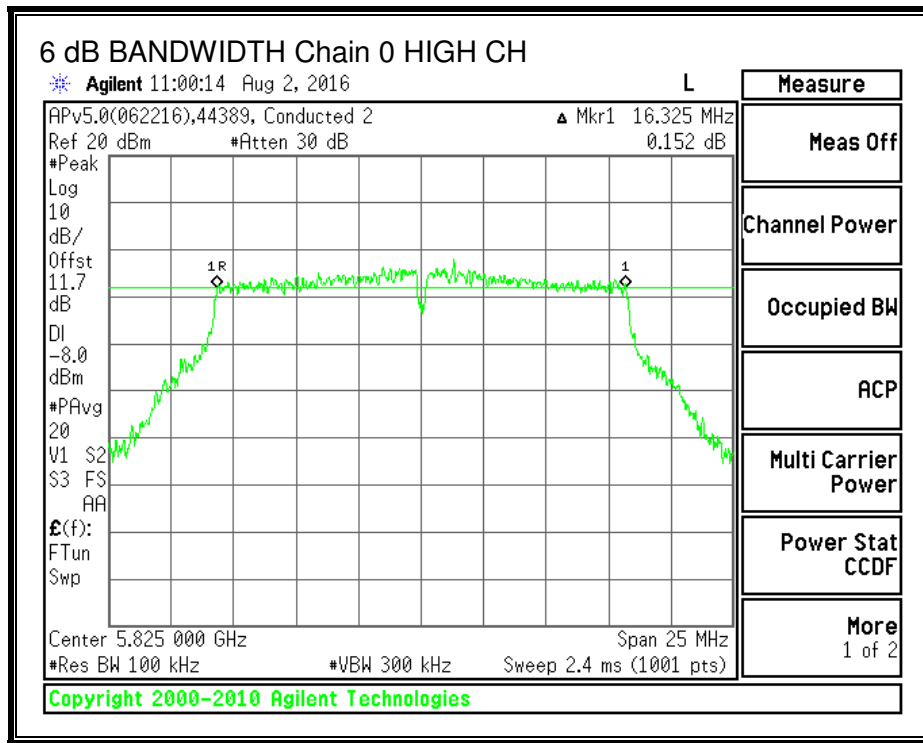
The minimum 6 dB bandwidth shall be at least 500 kHz.

#### RESULTS

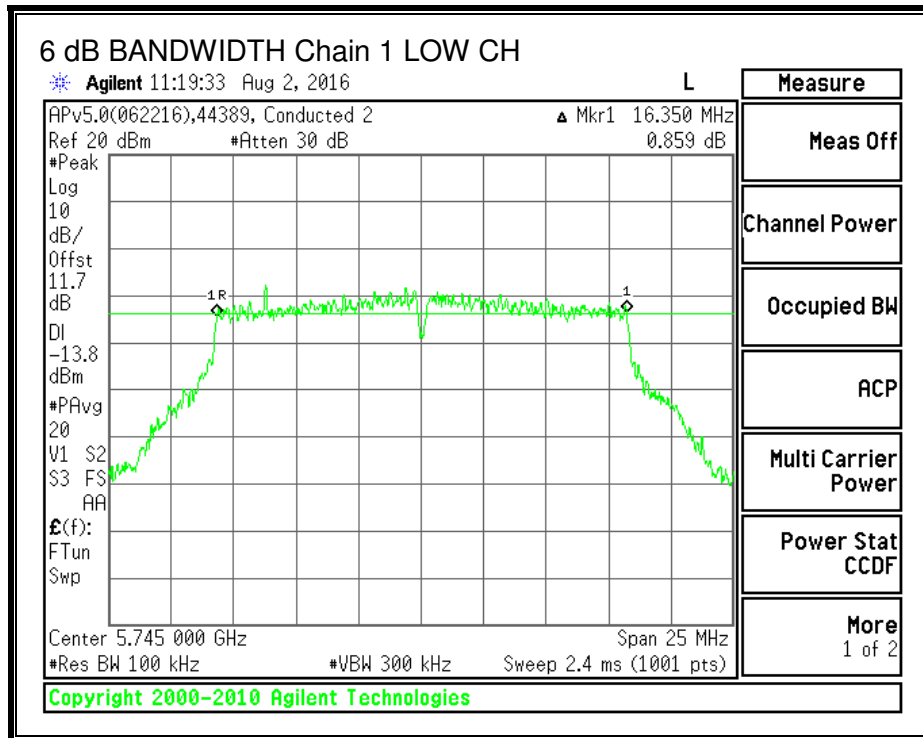
| Channel | Frequency<br>(MHz) | 6 dB BW<br>Chain 0<br>(MHz) | 6 dB BW<br>Chain 1<br>(MHz) | Minimum<br>Limit<br>(MHz) |
|---------|--------------------|-----------------------------|-----------------------------|---------------------------|
| Low     | 5745               | 16.3250                     | 16.3500                     | 0.5                       |
| Mid     | 5785               | 16.4250                     | 16.4000                     | 0.5                       |
| High    | 5825               | 16.3250                     | 16.4000                     | 0.5                       |

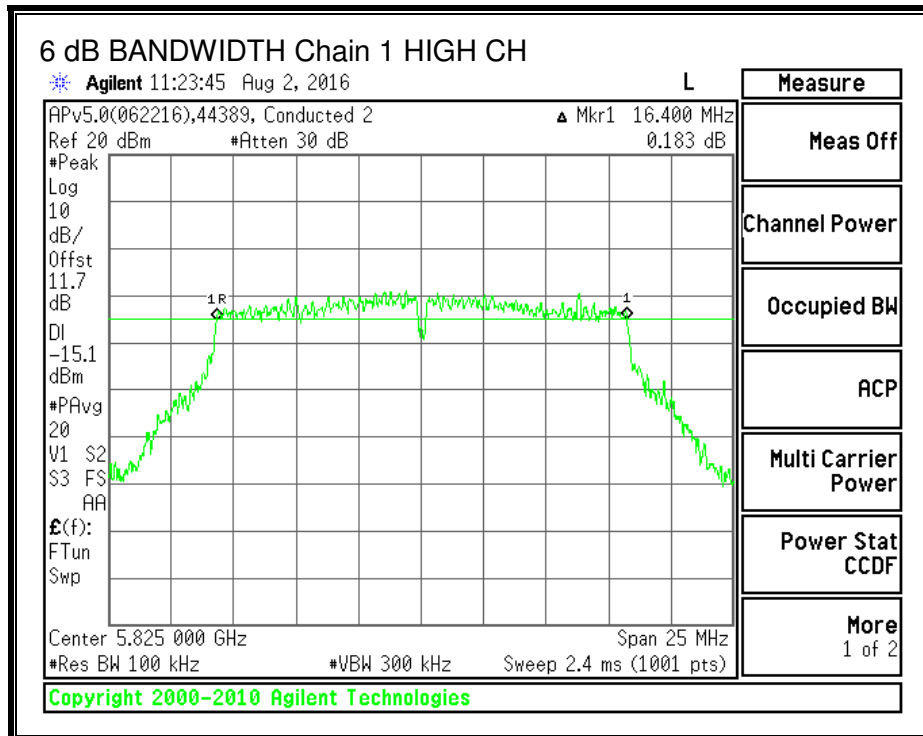
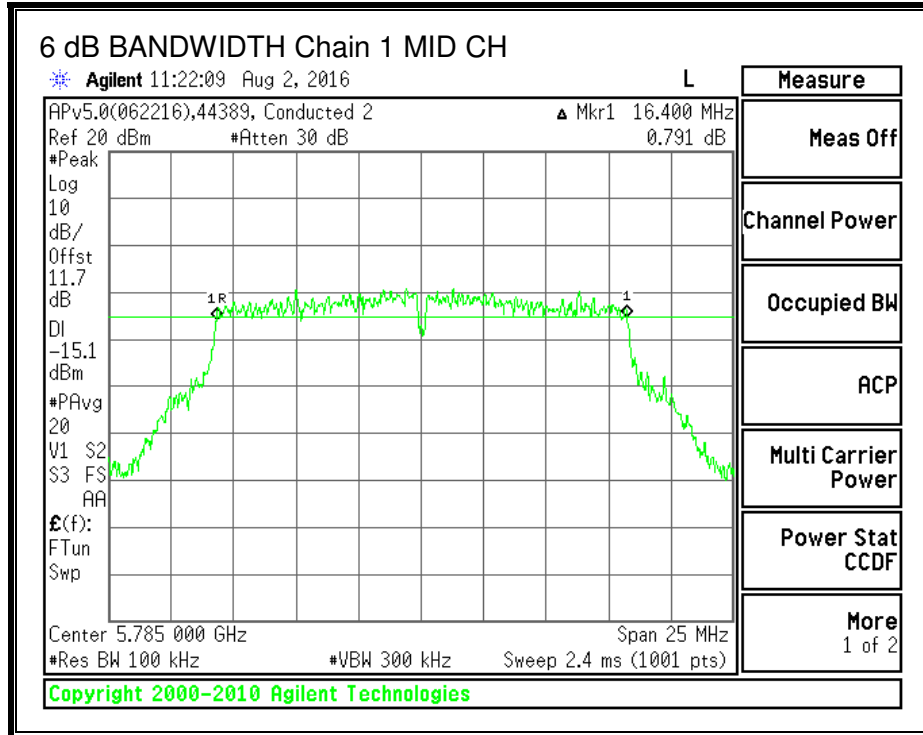
**6 dB BANDWIDTH, Chain 0**





**6 dB BANDWIDTH, Chain 1**





### 8.14.2. 99% BANDWIDTH

#### LIMITS

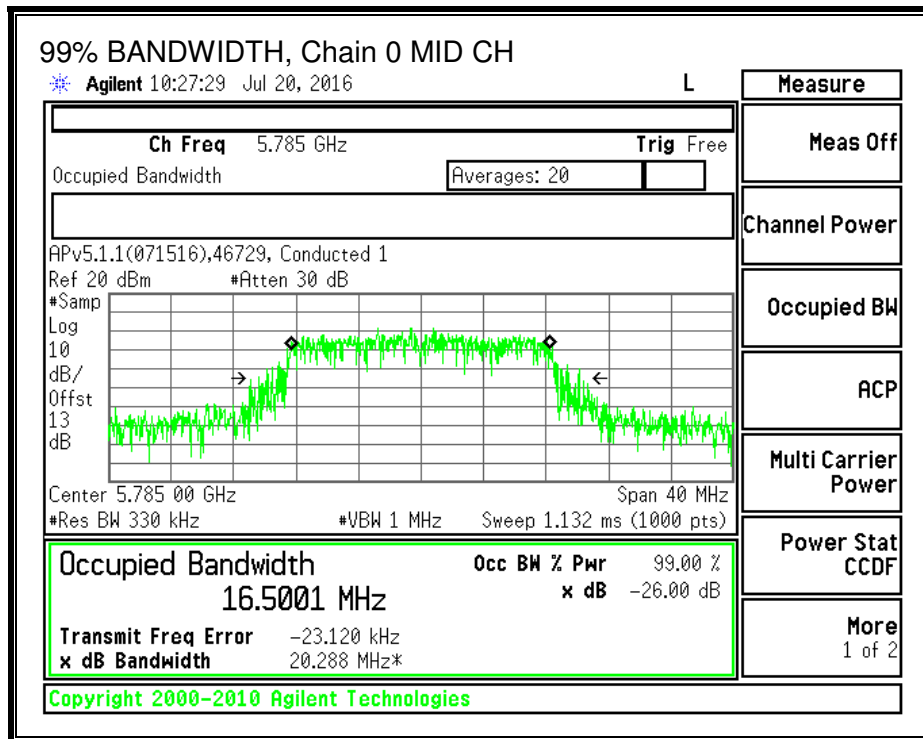
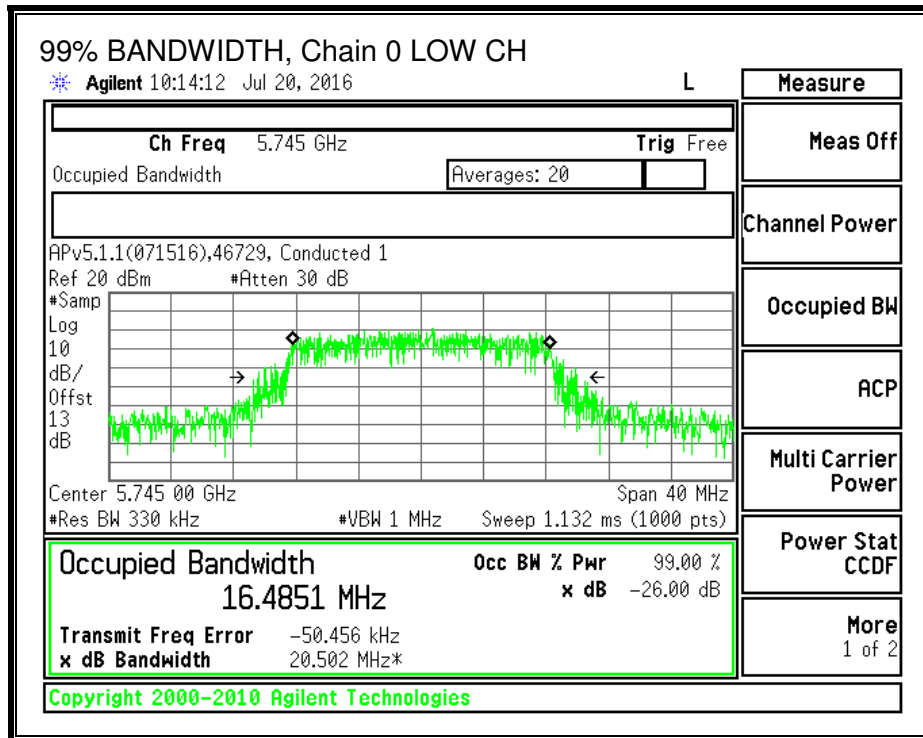
None; for reporting purposes only.

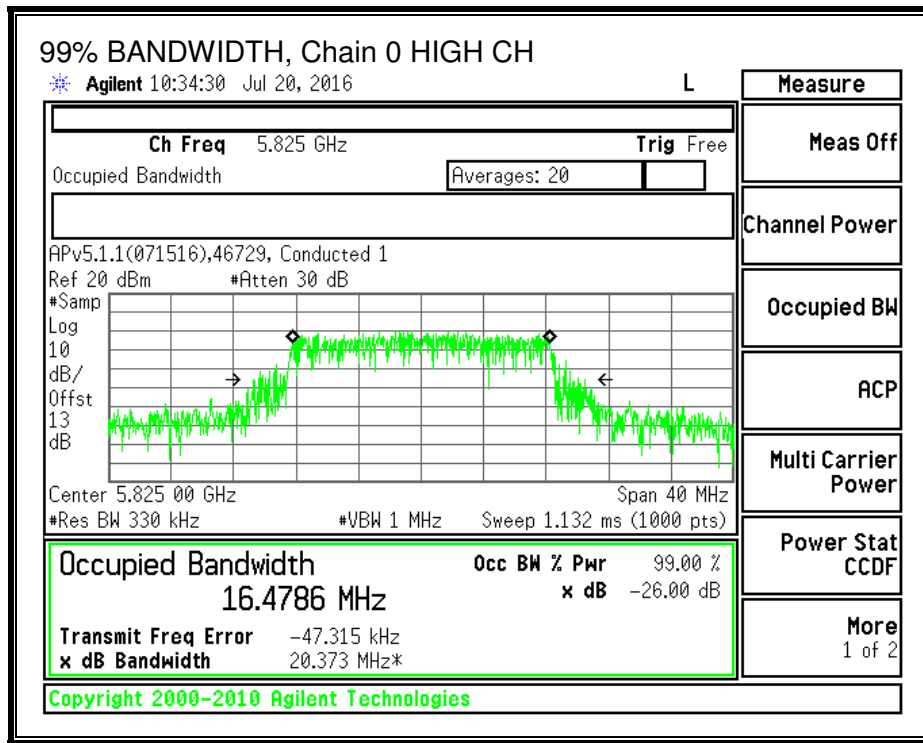
#### RESULTS

| Channel | Frequency<br>(MHz) | 99% BW<br>Chain 0<br>(MHz) | 99% BW<br>Chain 1<br>(MHz) |
|---------|--------------------|----------------------------|----------------------------|
| Low     | 5745               | 16.4851                    | 16.4650                    |
| Mid     | 5785               | 16.5001                    | 16.4789                    |
| High    | 5825               | 16.4786                    | 16.5018                    |

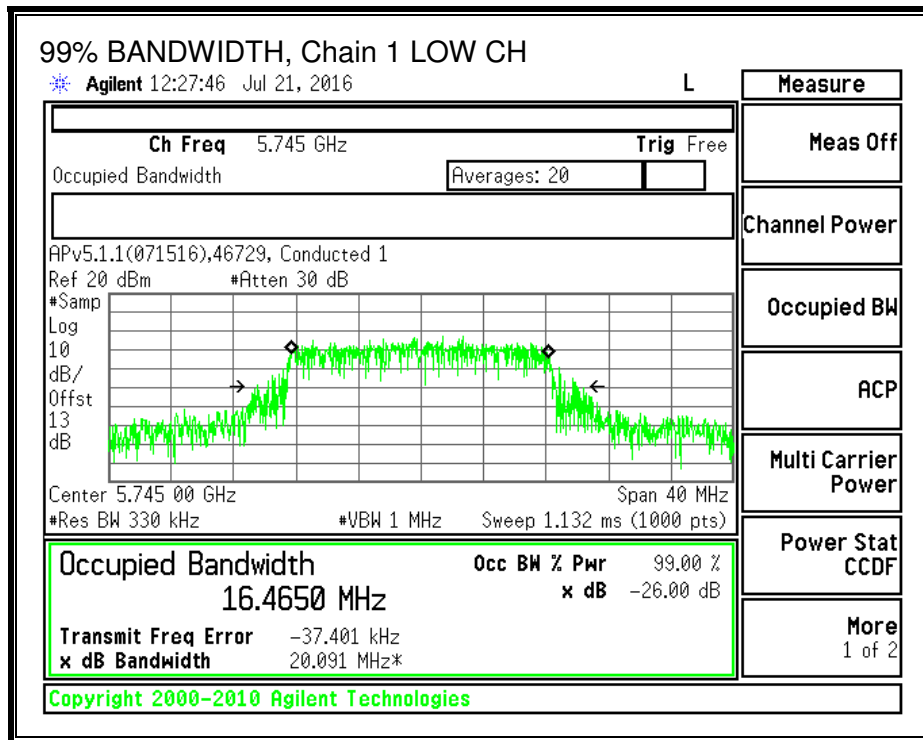


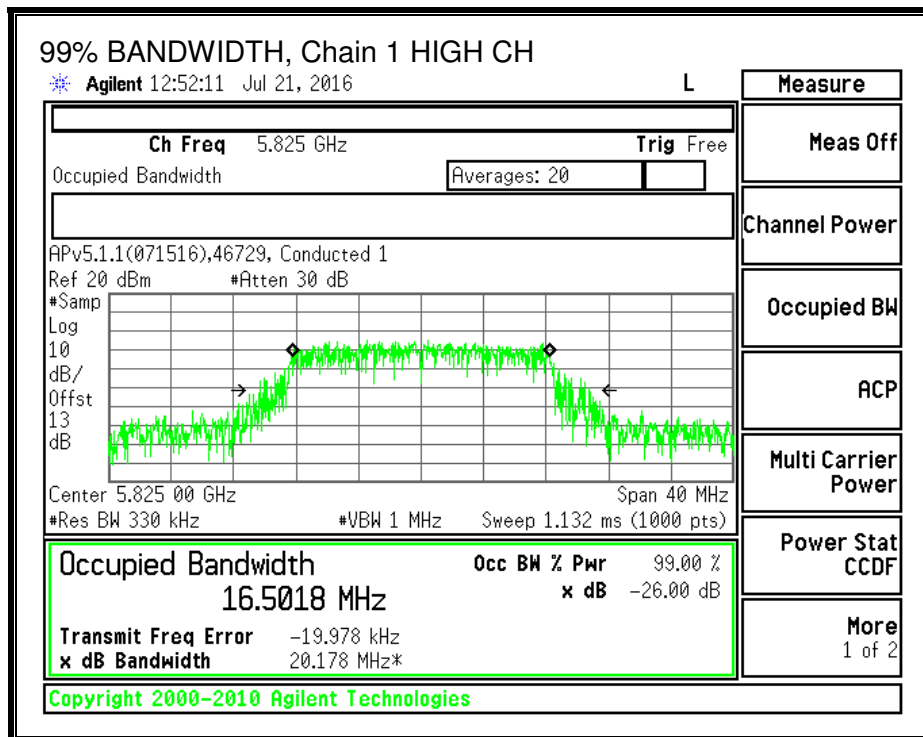
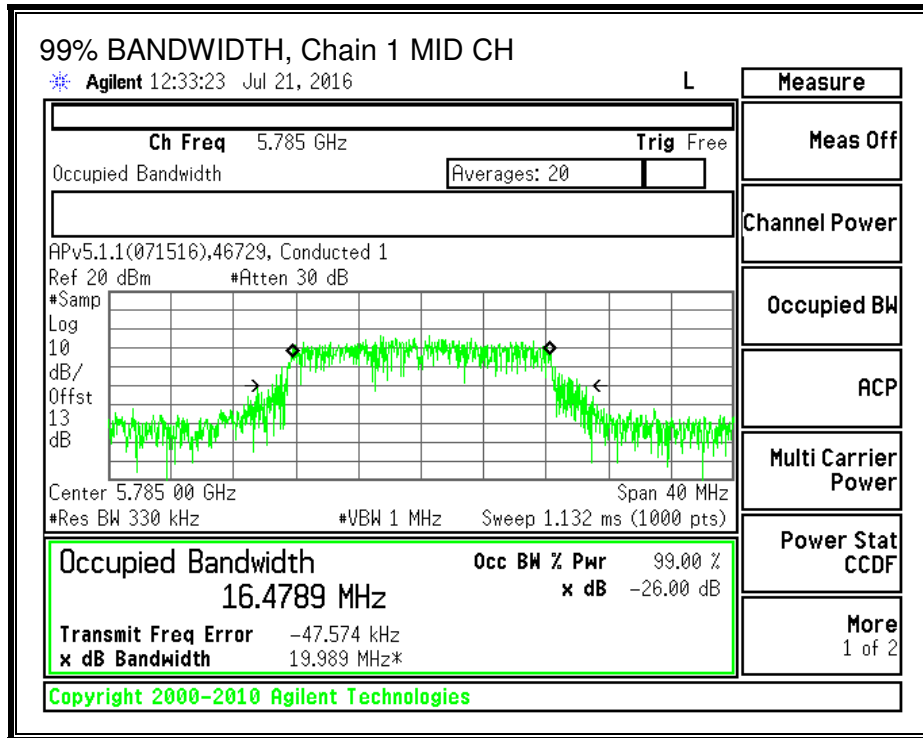
**99% BANDWIDTH, Chain 0**





**99% BANDWIDTH, Chain 1**





### 8.14.3. AVERAGE POWER

#### LIMITS

None; for reporting purposes only.

#### RESULTS

| Channel | Frequency<br>(MHz) | Chain 0<br>Power<br>(dBm) | Chain 1<br>Power<br>(dBm) | Total<br>Power<br>(dBm) |
|---------|--------------------|---------------------------|---------------------------|-------------------------|
| Low     | 5745               | 10.70                     | 5.90                      | 11.94                   |
| Mid     | 5785               | 10.50                     | 5.90                      | 11.79                   |
| High    | 5825               | 10.70                     | 5.90                      | 11.94                   |

### 8.14.4. OUTPUT POWER

#### 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.

#### DIRECTIONAL ANTENNA GAIN

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

| Chain 0<br>Antenna<br>Gain<br>(dBi) | Chain 1<br>Antenna<br>Gain<br>(dBi) | Uncorrelated Chains<br>Directional<br>Gain<br>(dBi) |
|-------------------------------------|-------------------------------------|---|
| -2.80                               | -2.30                               | -2.54   |

#### RESULTS

##### Antenna Gain and Limit

| Channel | Frequency<br>(MHz) | Directional<br>Gain<br>for Power<br>(dBi) | Power<br>Limit<br>(dBm) |
|---------|--------------------|---|-------------------------|
| Low     | 5745               | -2.54                                     | 30.00                   |
| Mid     | 5785               | -2.54                                     | 30.00                   |
| High    | 5825               | -2.54                                     | 30.00                   |

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

##### Output Power Results

| Channel | Frequency<br>(MHz) | Chain 0<br>Meas<br>Power<br>(dBm) | Chain 1<br>Meas<br>Power<br>(dBm) | Total<br>Corr'd<br>Power<br>(dBm) | Power<br>Limit<br>(dBm) | Power<br>Margin<br>(dB) |
|---------|--------------------|-----------------------------------|-----------------------------------|-----------------------------------|-------------------------|-------------------------|
| Low     | 5745               | 10.70                             | 5.90                              | 11.94                             | 30.00                   | -18.06                  |
| Mid     | 5785               | 10.50                             | 5.90                              | 11.79                             | 30.00                   | -18.21                  |
| High    | 5825               | 10.70                             | 5.90                              | 11.94                             | 30.00                   | -18.06                  |

### 8.14.5. Maximum Power Spectral Density (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.

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

| Chain 0<br>Antenna<br>Gain<br>(dBi) | Chain 1<br>Antenna<br>Gain<br>(dBi) | Correlated Chains<br>Directional<br>Gain<br>(dBi) |
|-------------------------------------|-------------------------------------|---|
| -2.80                               | -2.30                               | 0.46  |

#### RESULTS

##### Antenna Gain and Limits

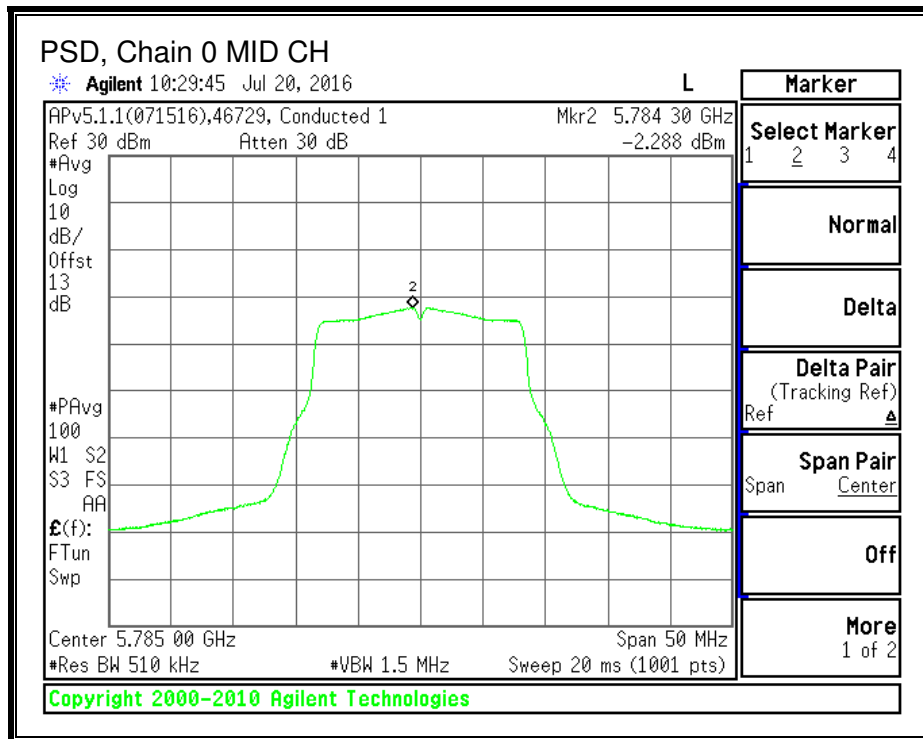
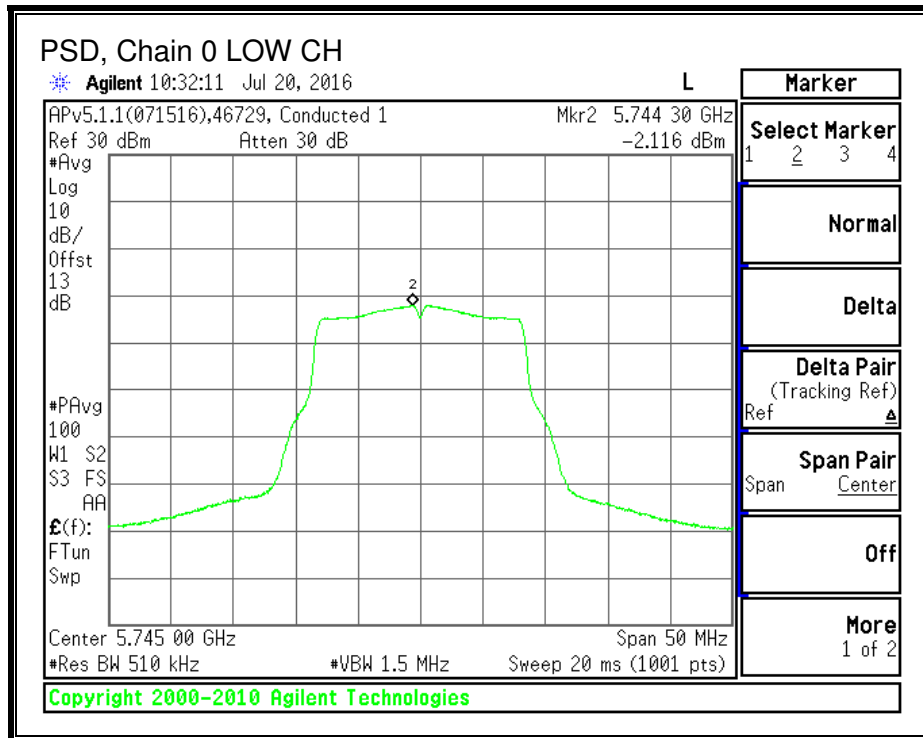
| Channel | Frequency<br>(MHz) | Directional<br>Gain<br>(dBi) | PSD<br>Limit<br>(dBm) |
|---------|--------------------|------------------------------|-----------------------|
| Low     | 5745               | 0.46                         | 30.00                 |
| Mid     | 5785               | 0.46                         | 30.00                 |
| High    | 5825               | 0.46                         | 30.00                 |

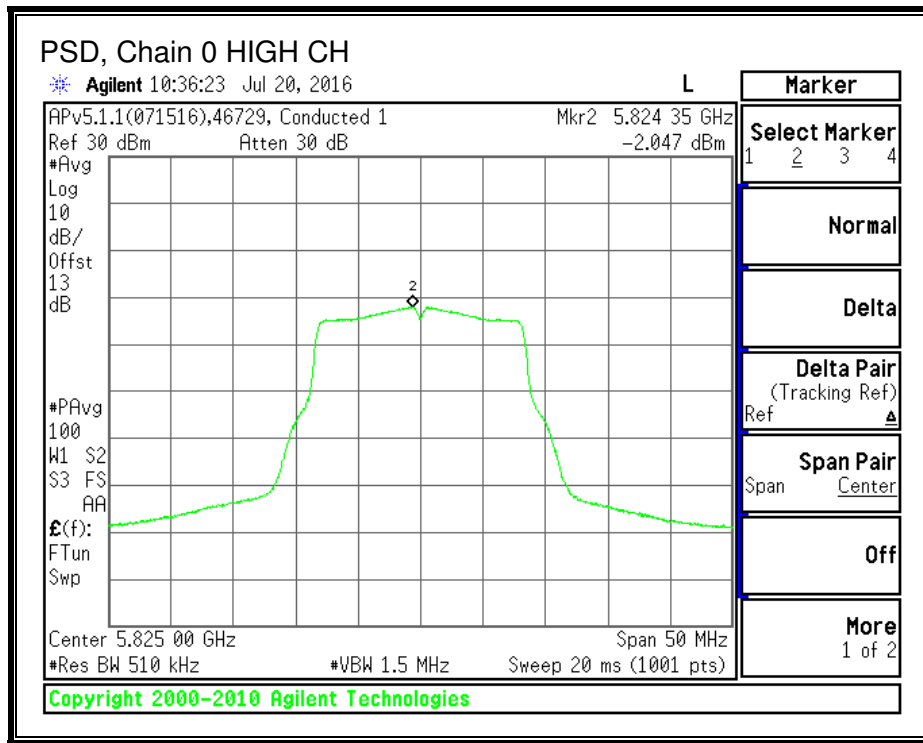
|                           |      |   |
|---------------------------|------|---|
| <b>Duty Cycle CF (dB)</b> | 0.00 | <b>Included in Calculations of Corr'd PSD</b> |
|---------------------------|------|---|

##### PSD Results

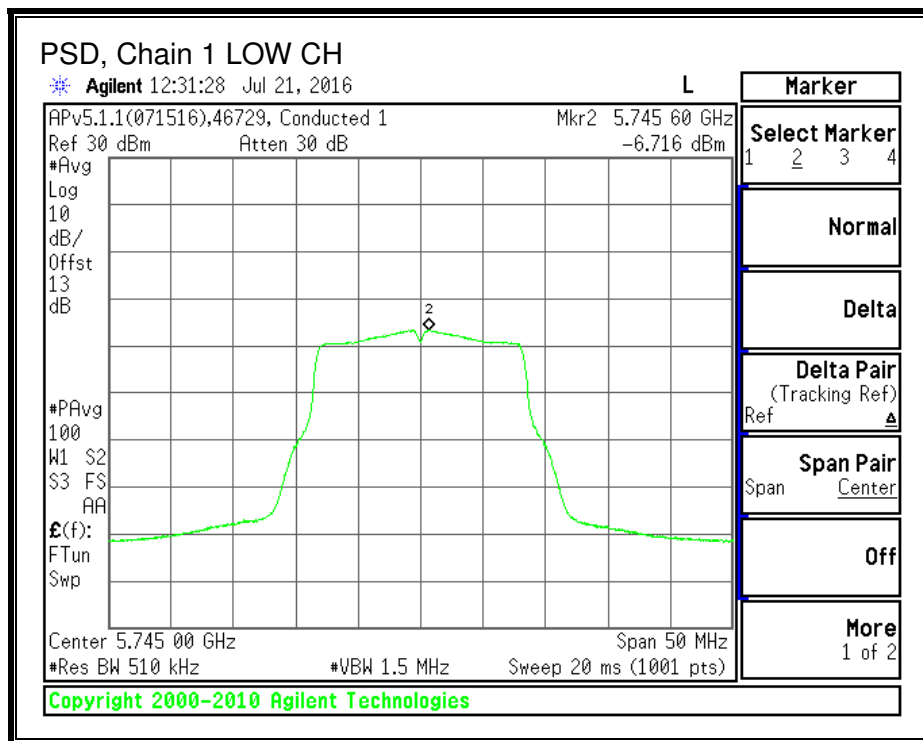
| Channel | Frequency<br>(MHz) | Chain 0<br>Meas<br>PSD<br>(dBm) | Chain 1<br>Meas<br>PSD<br>(dBm) | Total<br>Corr'd<br>PSD<br>(dBm) | PSD<br>Limit<br>(dBm) | PSD<br>Margin<br>(dB) |
|---------|--------------------|---------------------------------|---------------------------------|---------------------------------|-----------------------|-----------------------|
| Low     | 5745               | -2.12                           | -6.72                           | -0.82                           | 30.00                 | -30.82                |
| Mid     | 5785               | -2.29                           | -6.88                           | -0.99                           | 30.00                 | -30.99                |
| High    | 5825               | -2.05                           | -6.96                           | -0.83                           | 30.00                 | -30.83                |

**PSD, Chain 0**

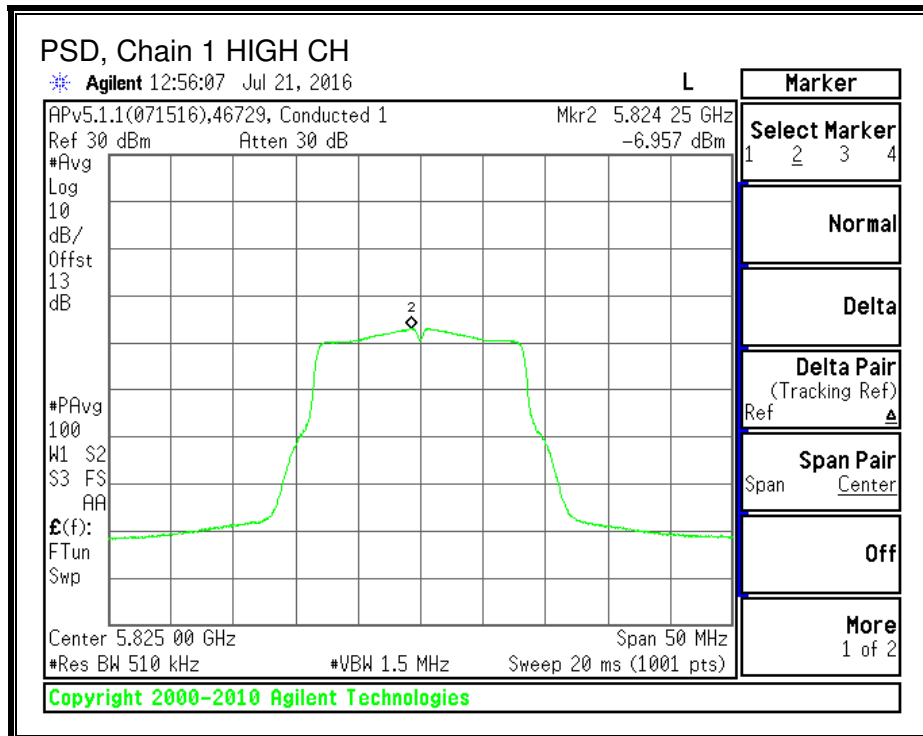
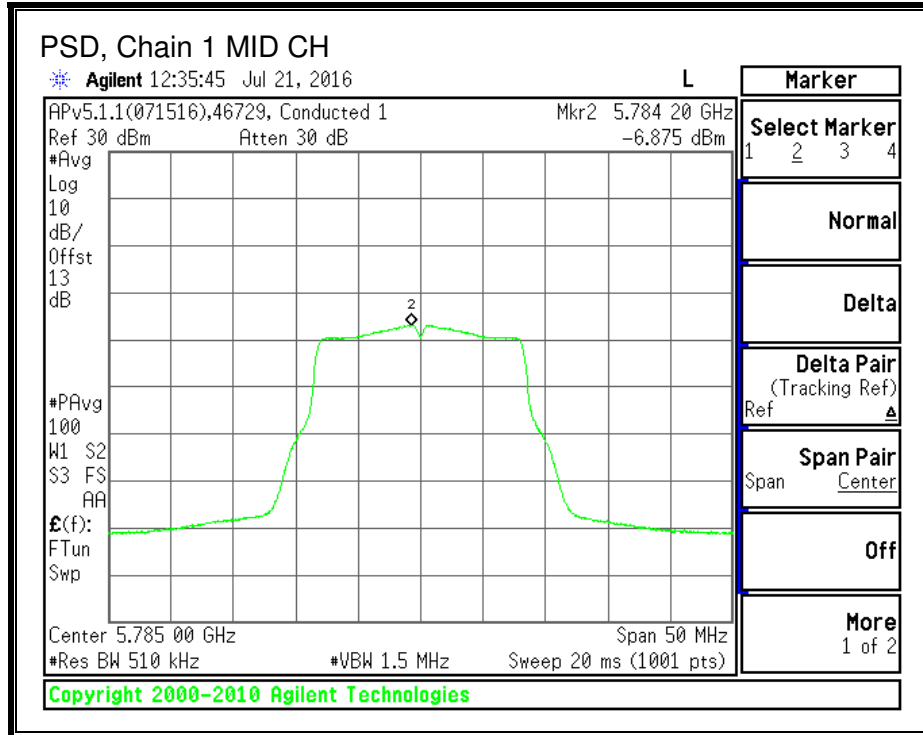




**PSD, Chain 1**







## 8.15. 802.11n HT20 MODE IN THE 5.8 GHz BAND

### 8.15.1. 6 dB BANDWIDTH

#### LIMITS

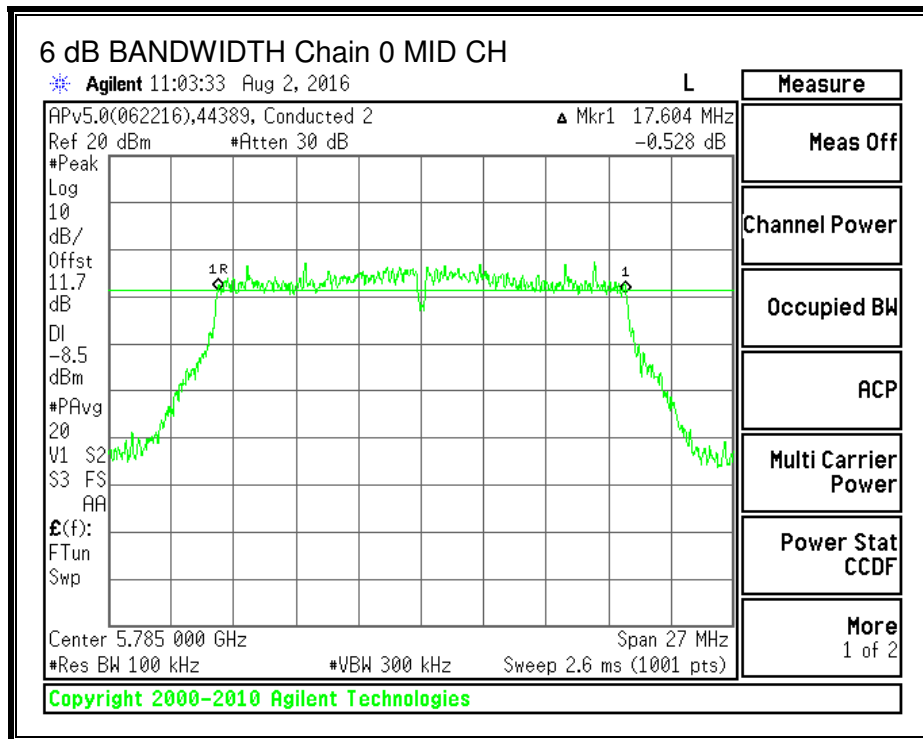
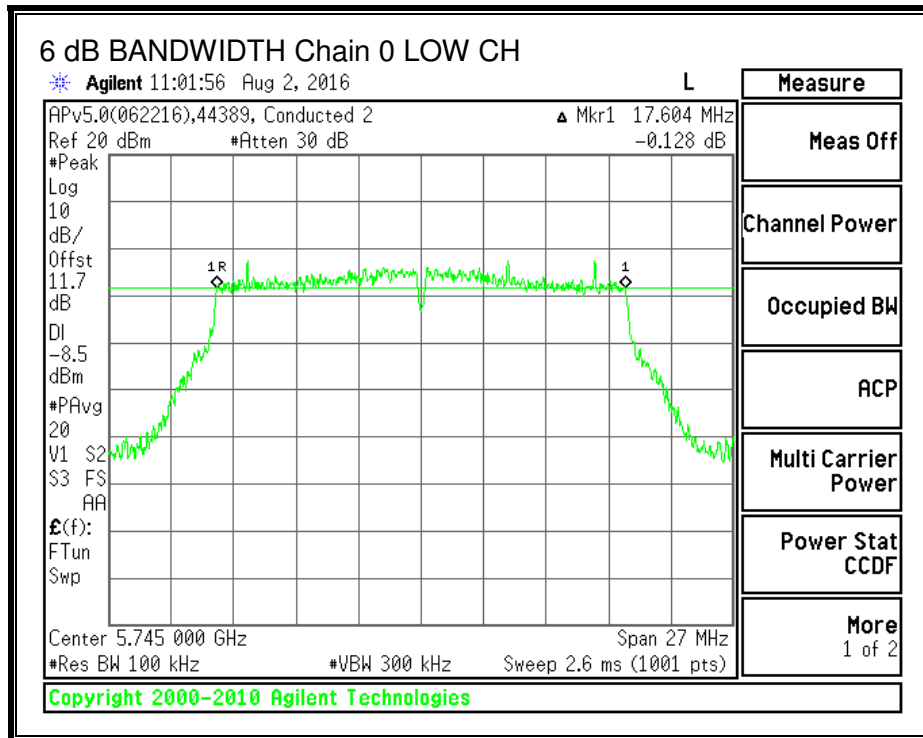
FCC §15.407 (e)

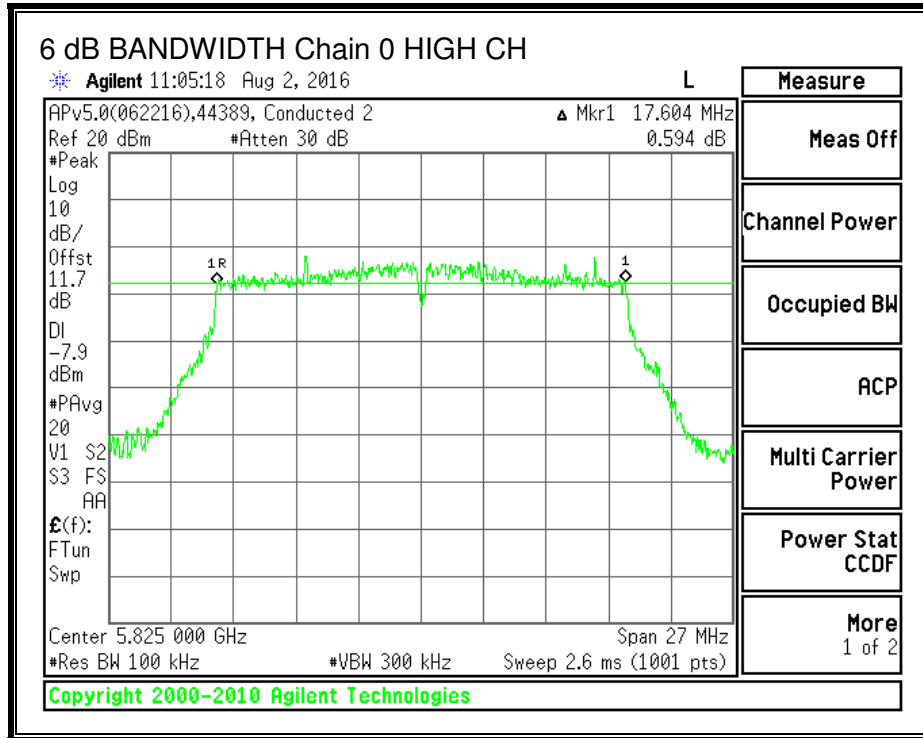
The minimum 6 dB bandwidth shall be at least 500 kHz.

#### RESULTS

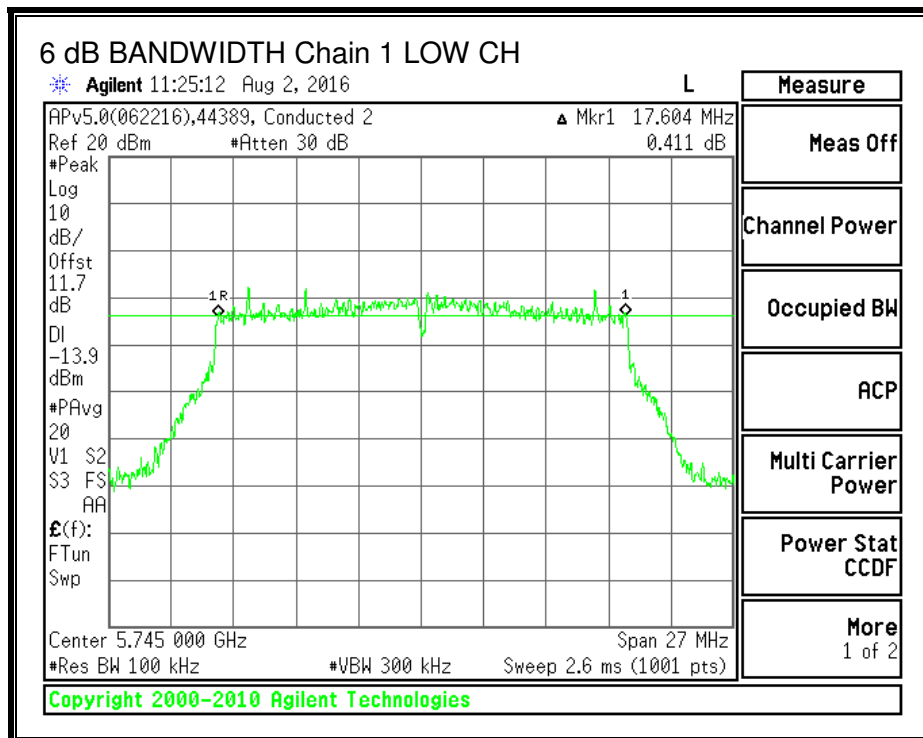
| Channel | Frequency<br>(MHz) | 6 dB BW<br>Chain 0<br>(MHz) | 6 dB BW<br>Chain 1<br>(MHz) | Minimum<br>Limit<br>(MHz) |
|---------|--------------------|-----------------------------|-----------------------------|---------------------------|
| Low     | 5745               | 17.6040                     | 17.6040                     | 0.5                       |
| Mid     | 5785               | 17.6040                     | 17.6040                     | 0.5                       |
| High    | 5825               | 17.6040                     | 17.6040                     | 0.5                       |

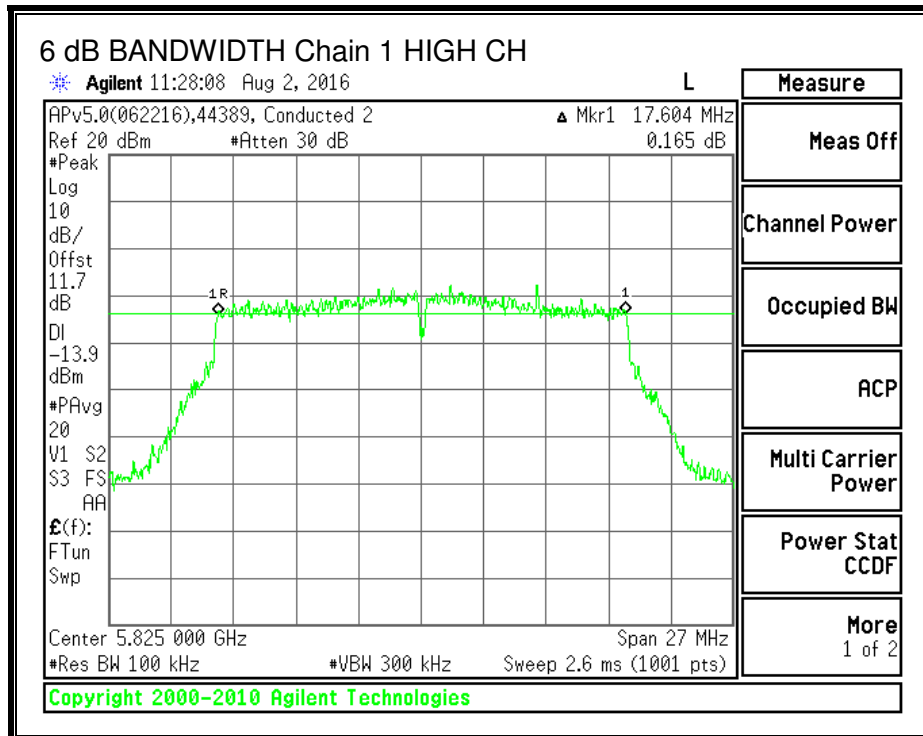
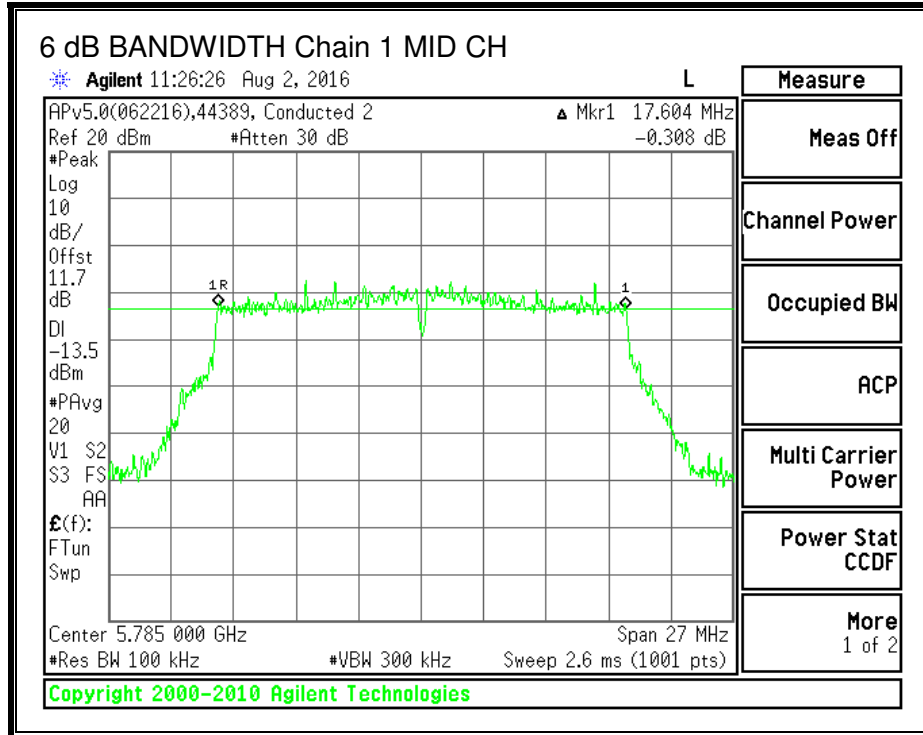
**6 dB BANDWIDTH, Chain 0**





**6 dB BANDWIDTH, Chain 1**





## 8.15.2. 99% BANDWIDTH

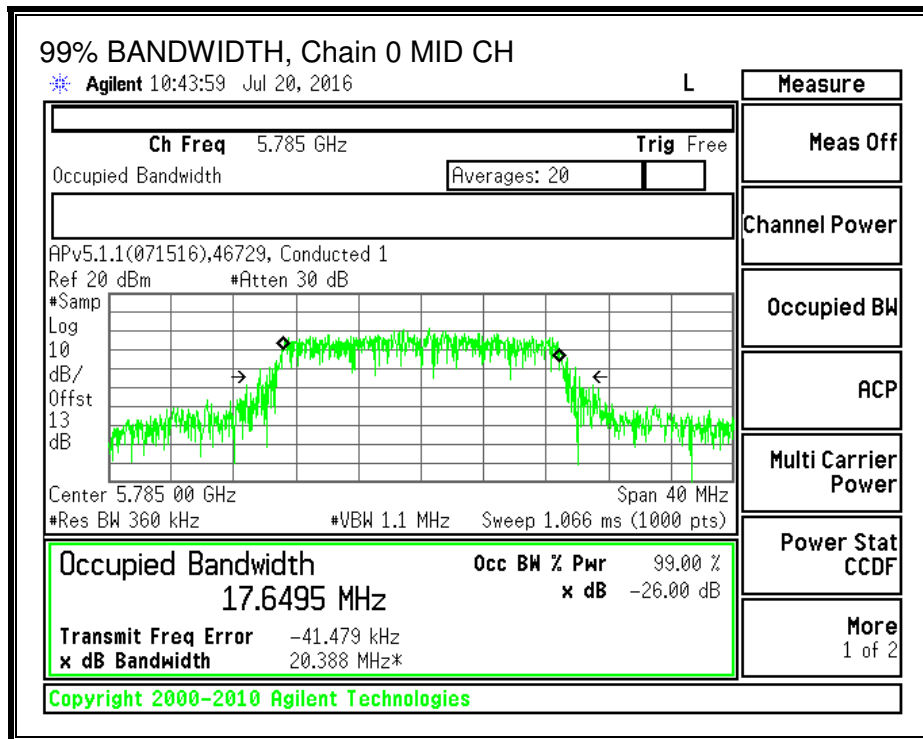
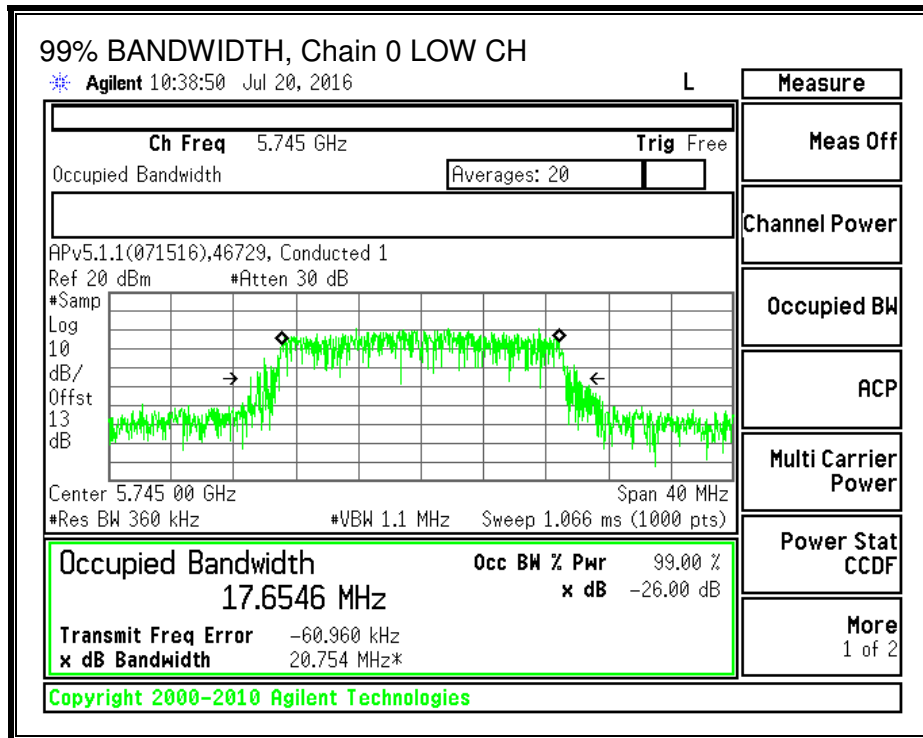
### LIMITS

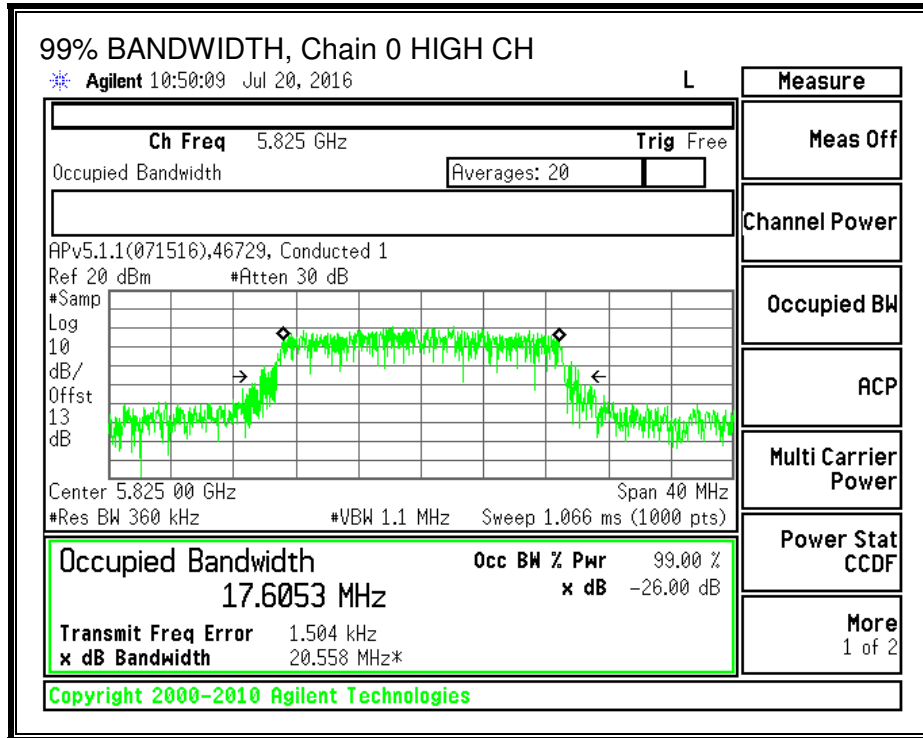
None; for reporting purposes only.

### RESULTS

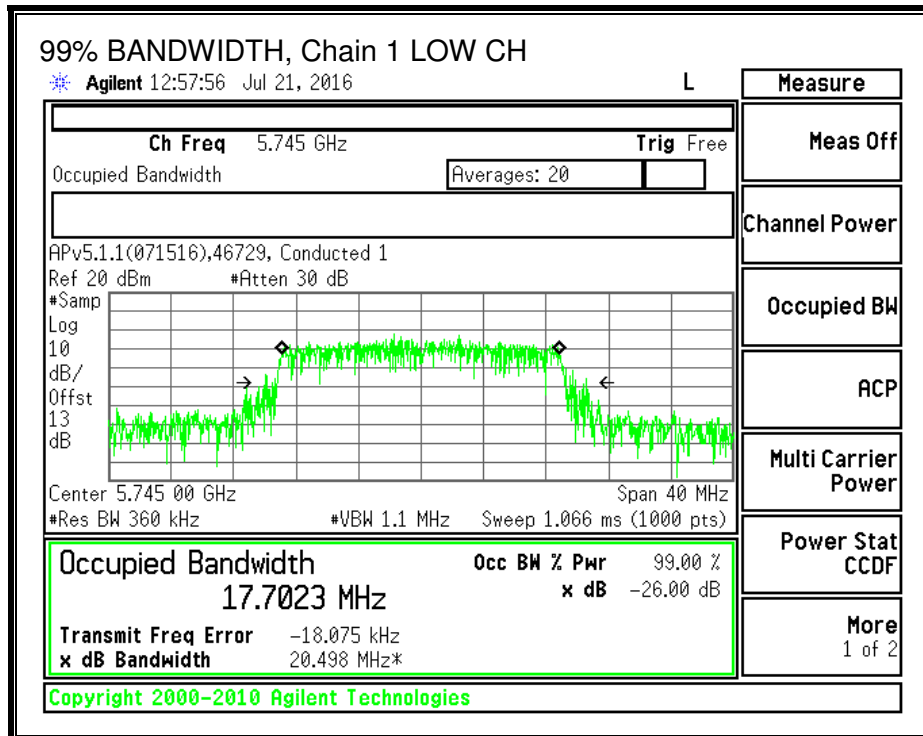
| Channel | Frequency<br>(MHz) | 99% BW<br>Chain 0<br>(MHz) | 99% BW<br>Chain 1<br>(MHz) |
|---------|--------------------|----------------------------|----------------------------|
| Low     | 5745               | 17.6546                    | 17.7023                    |
| Mid     | 5785               | 17.6495                    | 17.6743                    |
| High    | 5825               | 17.6053                    | 17.6856                    |

**99% BANDWIDTH, Chain 0**

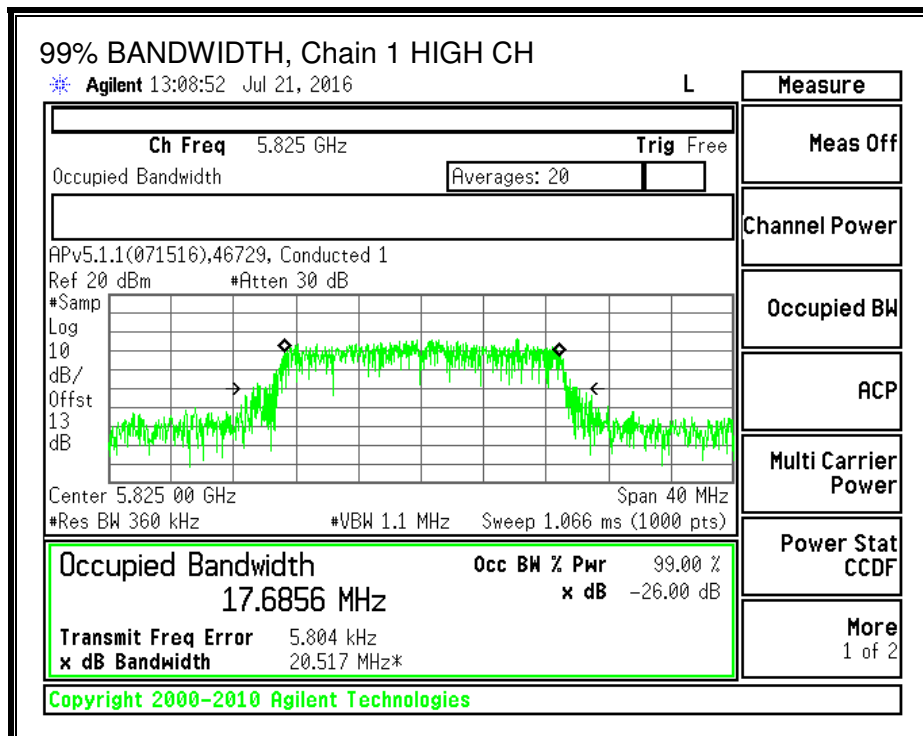
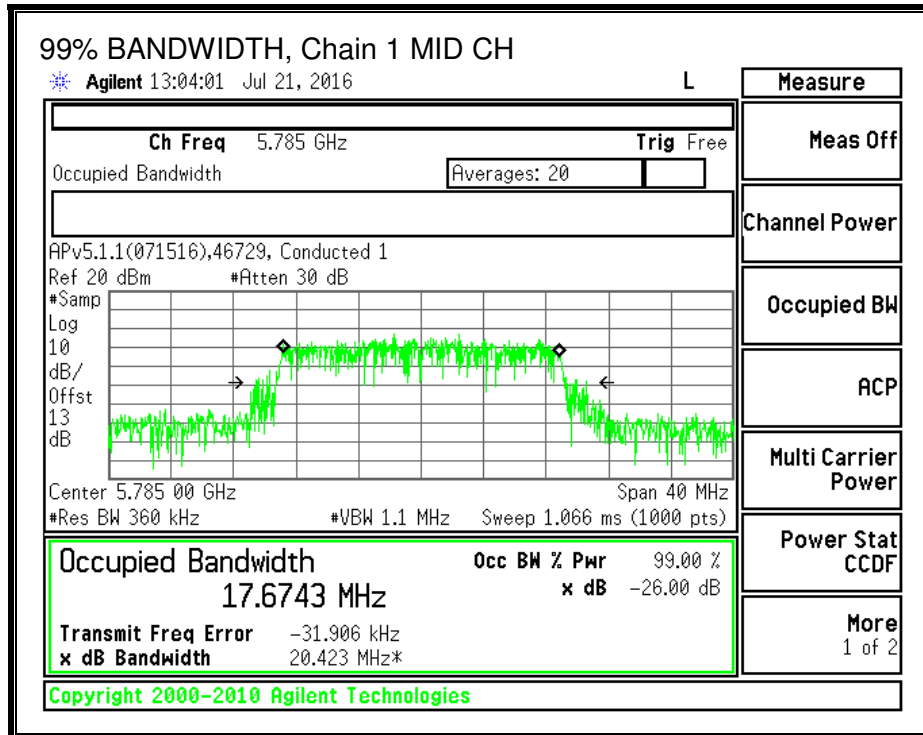




**99% BANDWIDTH, Chain 1**







### 8.15.3. AVERAGE POWER

#### LIMITS

None; for reporting purposes only.

#### RESULTS

| Channel | Frequency<br>(MHz) | Chain 0<br>Power<br>(dBm) | Chain 1<br>Power<br>(dBm) | Total<br>Power<br>(dBm) |
|---------|--------------------|---------------------------|---------------------------|-------------------------|
| Low     | 5745               | 10.67                     | 6.06                      | 11.96                   |
| Mid     | 5785               | 10.66                     | 5.89                      | 11.91                   |
| High    | 5825               | 10.61                     | 5.95                      | 11.89                   |

### 8.15.4. OUTPUT POWER

#### 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.

#### DIRECTIONAL ANTENNA GAIN

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

| Chain 0<br>Antenna<br>Gain<br>(dBi) | Chain 1<br>Antenna<br>Gain<br>(dBi) | Uncorrelated Chains<br>Directional<br>Gain<br>(dBi) |
|-------------------------------------|-------------------------------------|---|
| -2.80                               | -2.30                               | -2.54   |

#### RESULTS

##### Antenna Gain and Limit

| Channel | Frequency<br>(MHz) | Directional<br>Gain<br>for Power<br>(dBi) | Power<br>Limit<br>(dBm) |
|---------|--------------------|---|-------------------------|
| Low     | 5745               | -2.54                                     | 30.00                   |
| Mid     | 5785               | -2.54                                     | 30.00                   |
| High    | 5825               | -2.54                                     | 30.00                   |

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

##### Output Power Results

| Channel | Frequency<br>(MHz) | Chain 0<br>Meas<br>Power<br>(dBm) | Chain 1<br>Meas<br>Power<br>(dBm) | Total<br>Corr'd<br>Power<br>(dBm) | Power<br>Limit<br>(dBm) | Power<br>Margin<br>(dB) |
|---------|--------------------|-----------------------------------|-----------------------------------|-----------------------------------|-------------------------|-------------------------|
| Low     | 5745               | 10.67                             | 6.06                              | 11.96                             | 30.00                   | -18.04                  |
| Mid     | 5785               | 10.66                             | 5.89                              | 11.91                             | 30.00                   | -18.09                  |
| High    | 5825               | 10.61                             | 5.95                              | 11.89                             | 30.00                   | -18.11                  |

### 8.15.5. Maximum Power Spectral Density (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.

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

| Chain 0<br>Antenna<br>Gain<br>(dBi) | Chain 1<br>Antenna<br>Gain<br>(dBi) | Correlated Chains<br>Directional<br>Gain<br>(dBi) |
|-------------------------------------|-------------------------------------|---|
| -2.80                               | -2.30                               | 0.46  |

#### RESULTS

##### Antenna Gain and Limits

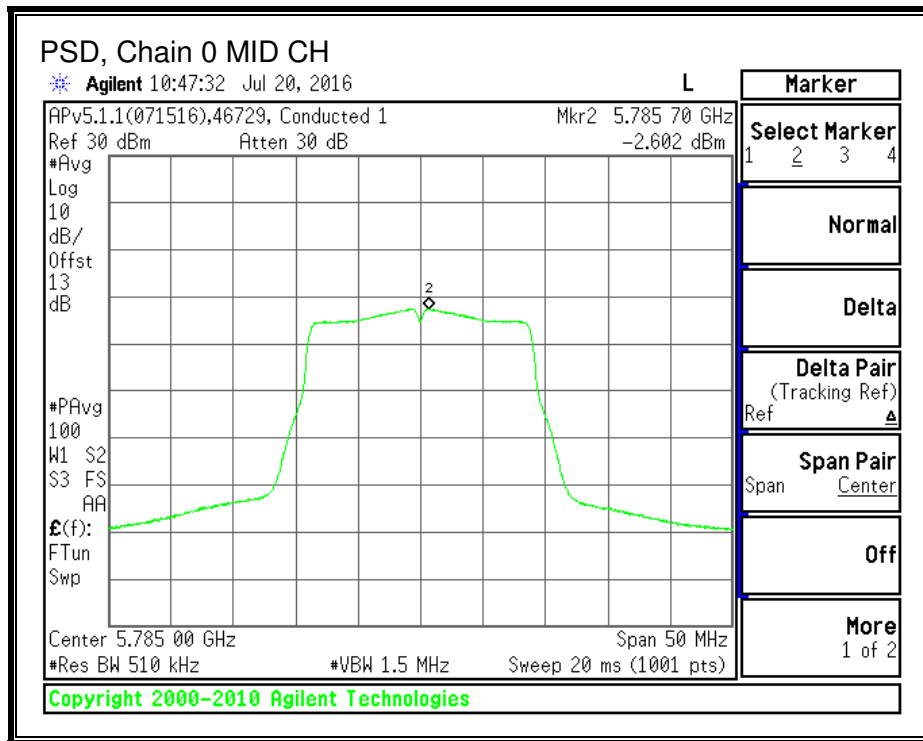
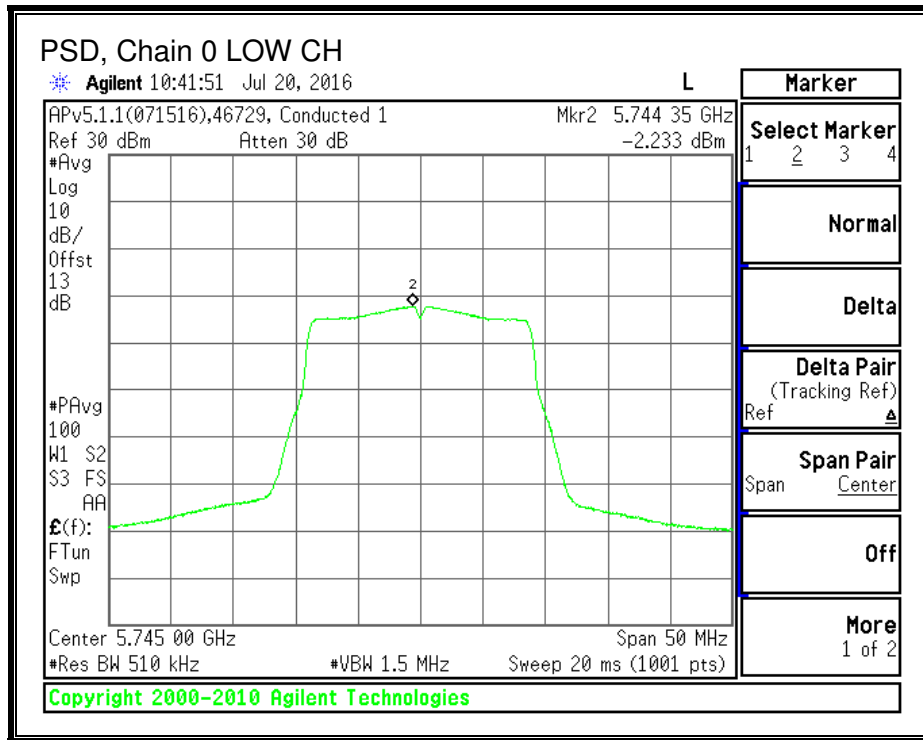
| Channel | Frequency<br>(MHz) | Directional<br>Gain<br>(dBi) | PSD<br>Limit<br>(dBm) |
|---------|--------------------|------------------------------|-----------------------|
| Low     | 5745               | 0.46                         | 30.00                 |
| Mid     | 5785               | 0.46                         | 30.00                 |
| High    | 5825               | 0.46                         | 30.00                 |

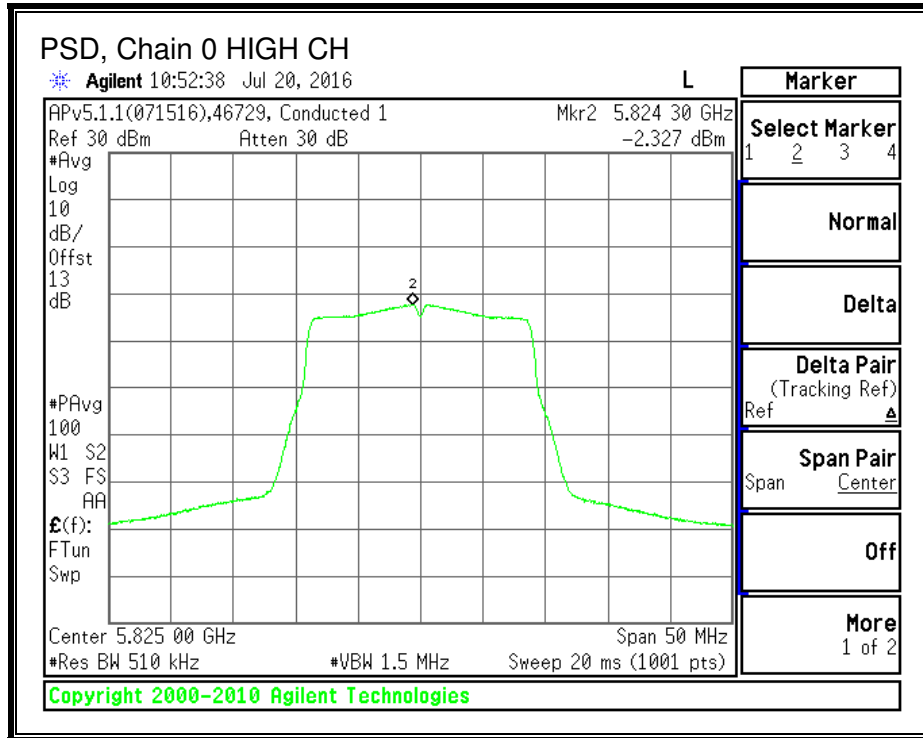
|                    |      |  |
|--------------------|------|--|
| Duty Cycle CF (dB) | 0.00 | Included in Calculations of Corr'd PSD |
|--------------------|------|--|

##### PSD Results

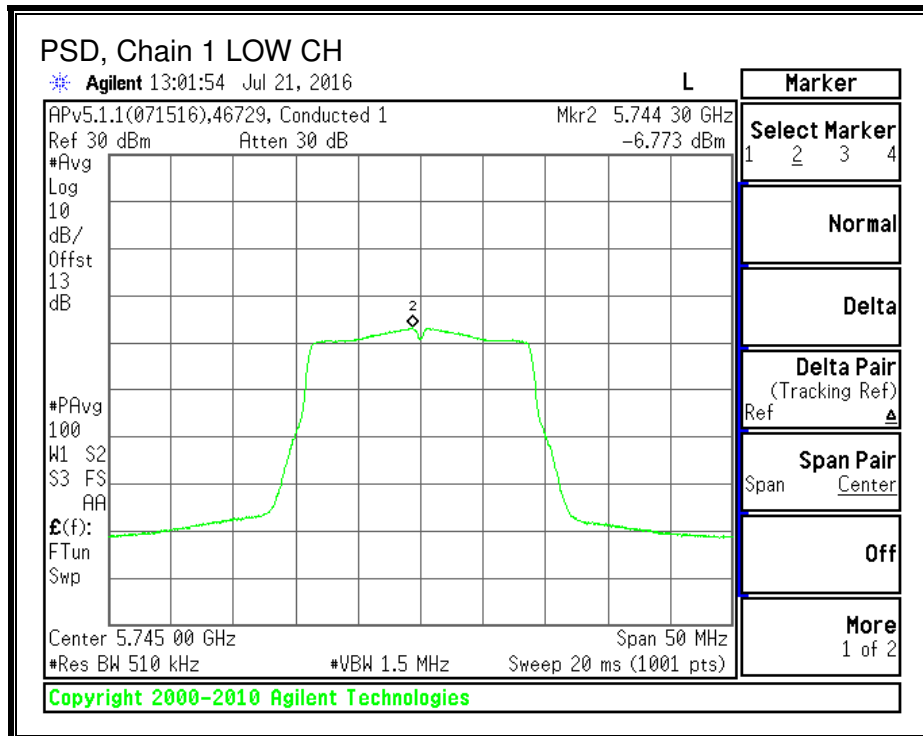
| Channel | Frequency<br>(MHz) | Chain 0<br>Meas<br>PSD<br>(dBm) | Chain 1<br>Meas<br>PSD<br>(dBm) | Total<br>Corr'd<br>PSD<br>(dBm) | PSD<br>Limit<br>(dBm) | PSD<br>Margin<br>(dB) |
|---------|--------------------|---------------------------------|---------------------------------|---------------------------------|-----------------------|-----------------------|
| Low     | 5745               | -2.23                           | -6.77                           | -0.92                           | 30.00                 | -30.92                |
| Mid     | 5785               | -2.60                           | -7.30                           | -1.33                           | 30.00                 | -31.33                |
| High    | 5825               | -2.33                           | -7.09                           | -1.08                           | 30.00                 | -31.08                |

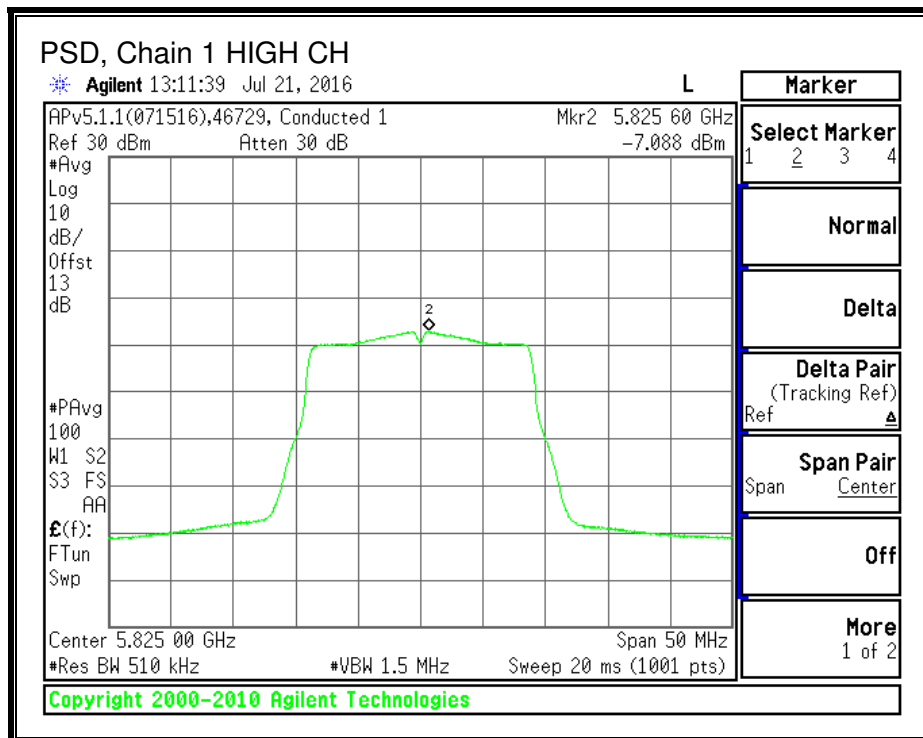
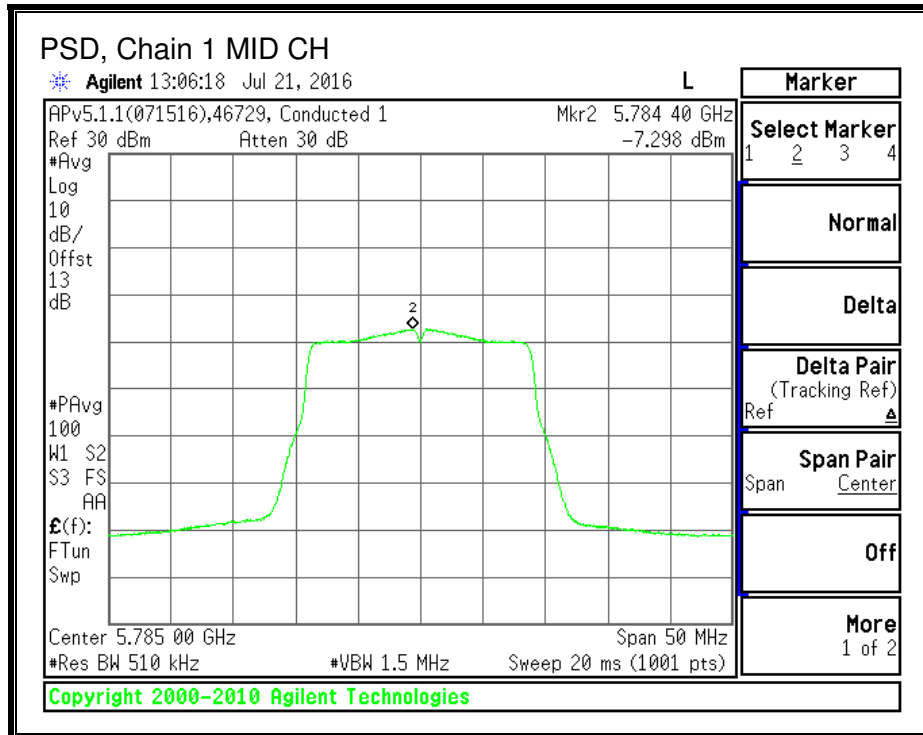
**PSD, Chain 0**





**PSD, Chain 1**





## 8.16. 802.11n HT40 MODE IN THE 5.8 GHz BAND

### 8.16.1. 6 dB BANDWIDTH

#### LIMITS

FCC §15.407 (e)

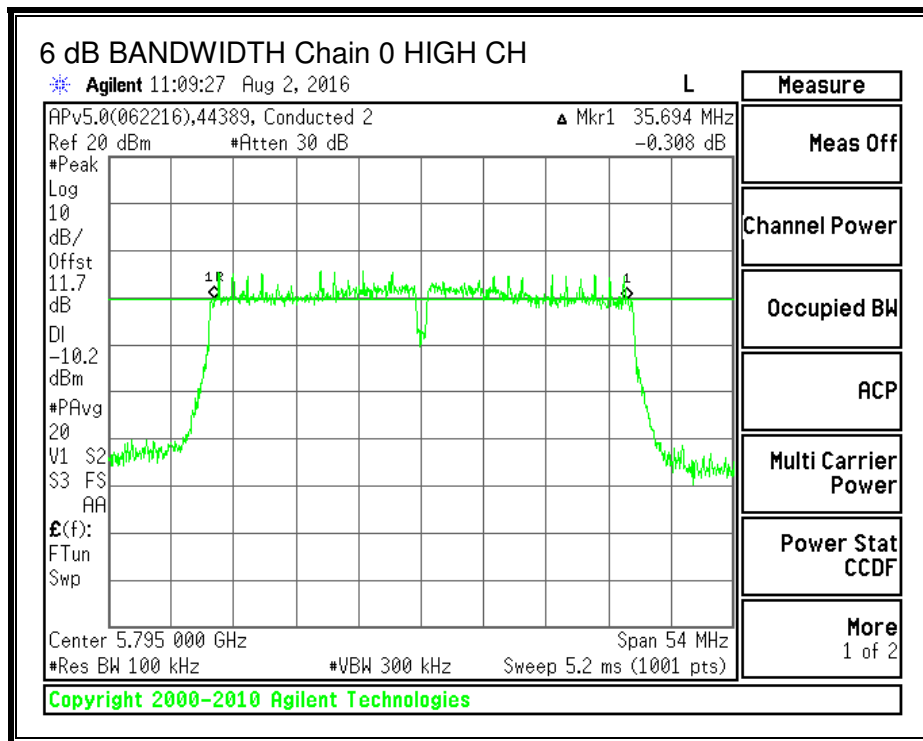
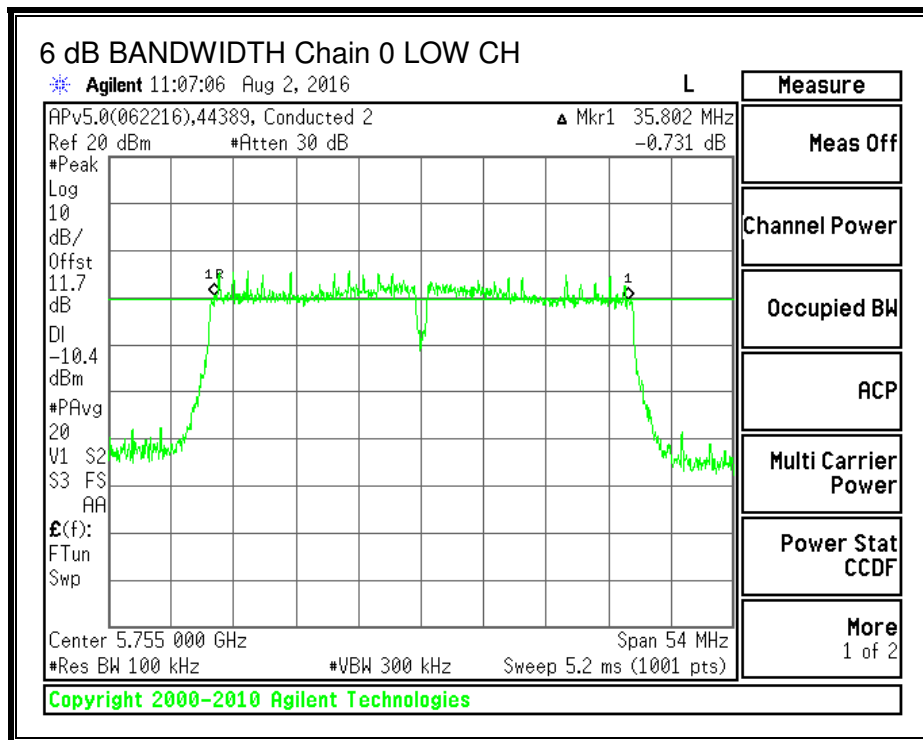
The minimum 6 dB bandwidth shall be at least 500 kHz.

#### RESULTS

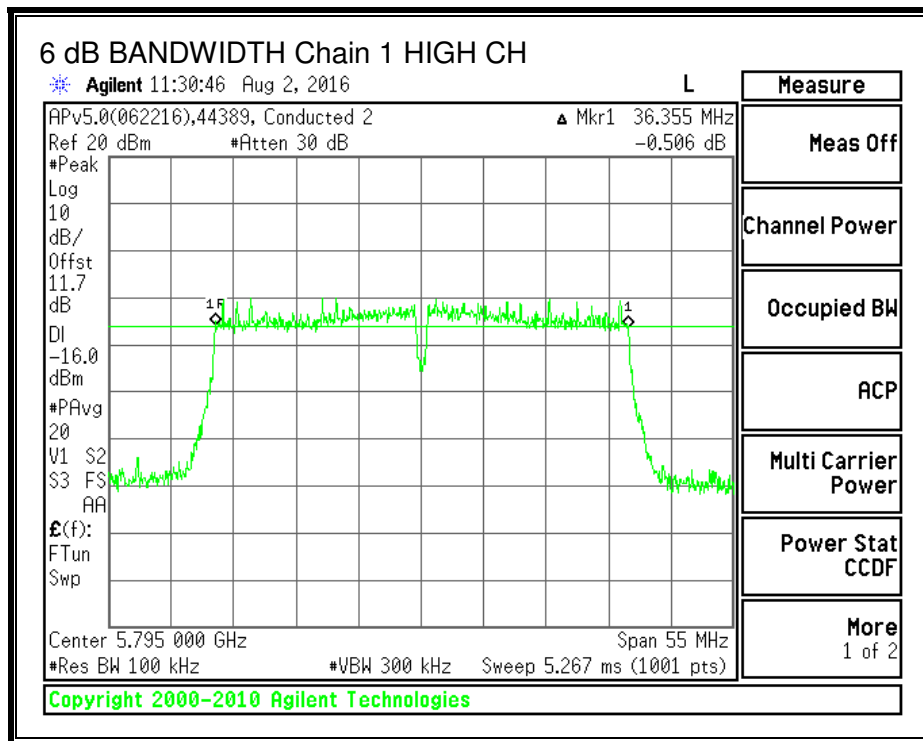
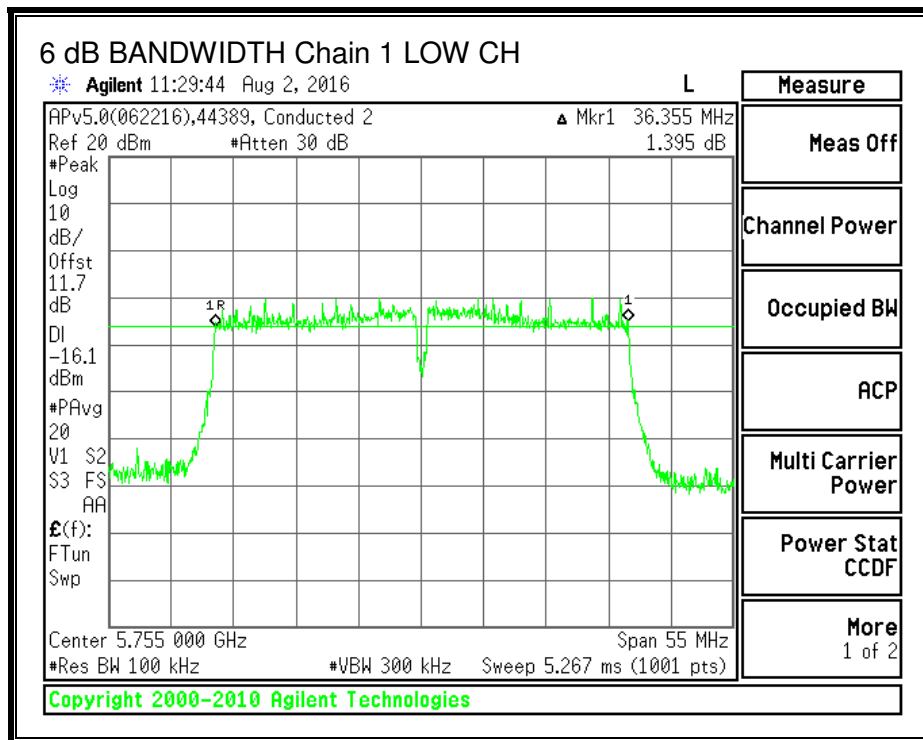
| Channel | Frequency<br>(MHz) | 6 dB BW<br>Chain 0<br>(MHz) | 6 dB BW<br>Chain 1<br>(MHz) | Minimum<br>Limit<br>(MHz) |
|---------|--------------------|-----------------------------|-----------------------------|---------------------------|
| Low     | 5755               | 35.8020                     | 36.3550                     | 0.5                       |
| High    | 5795               | 35.6940                     | 36.3550                     | 0.5                       |



**6 dB BANDWIDTH, Chain 0**



**6 dB BANDWIDTH, Chain 1**



**8.16.2. 99% BANDWIDTH**

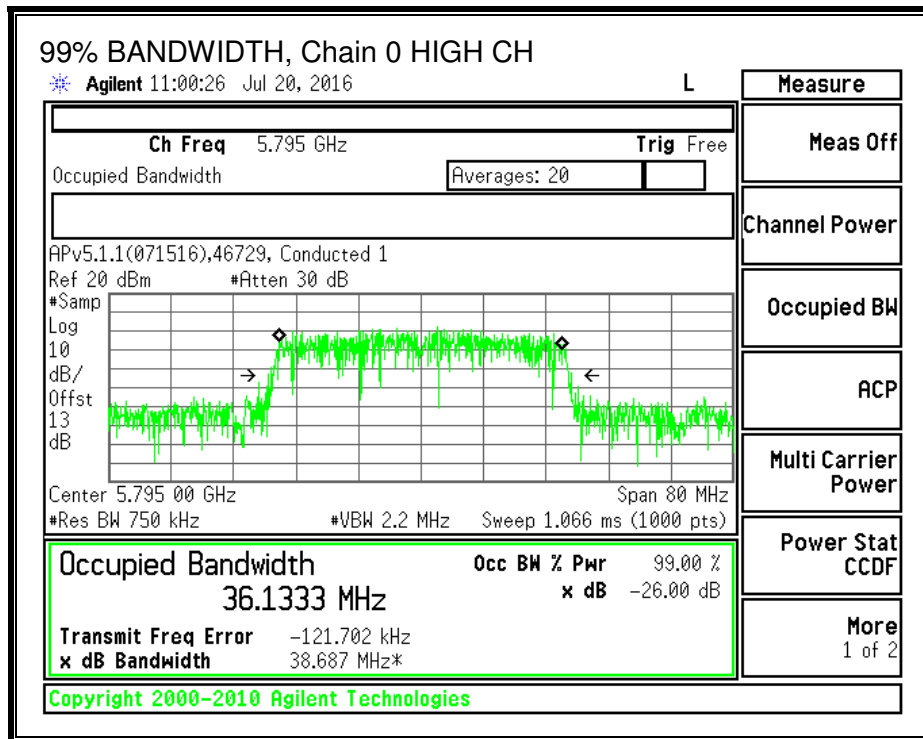
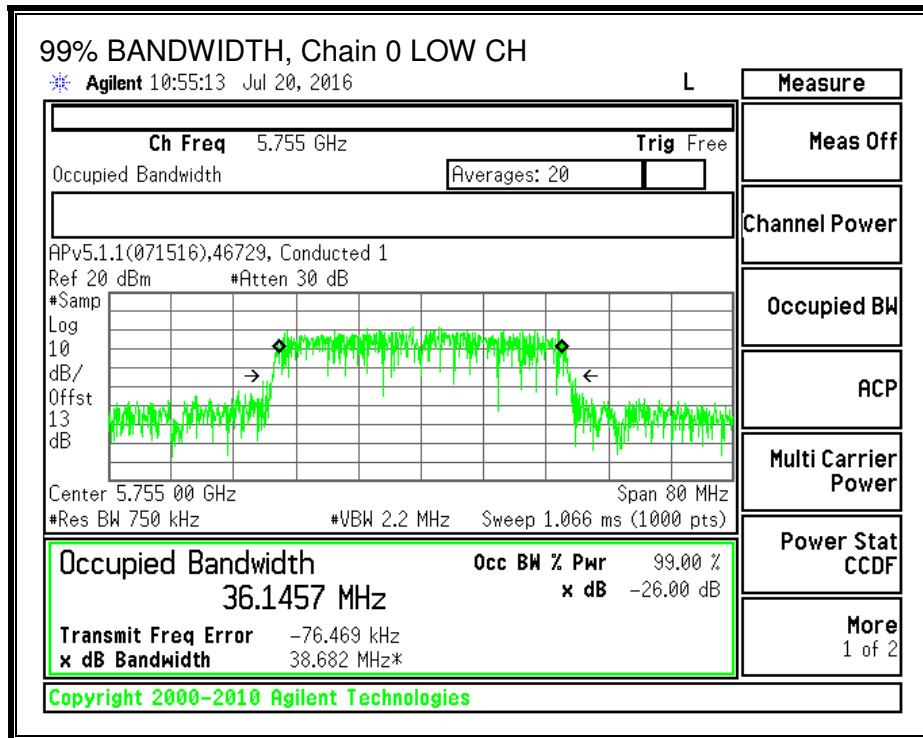
**LIMITS**

None; for reporting purposes only.

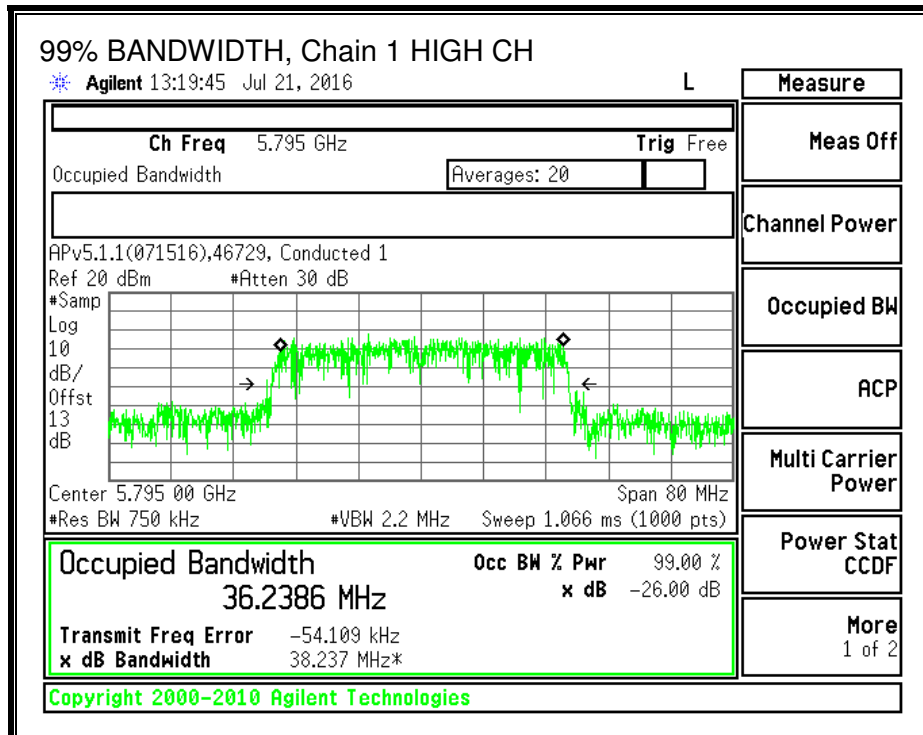
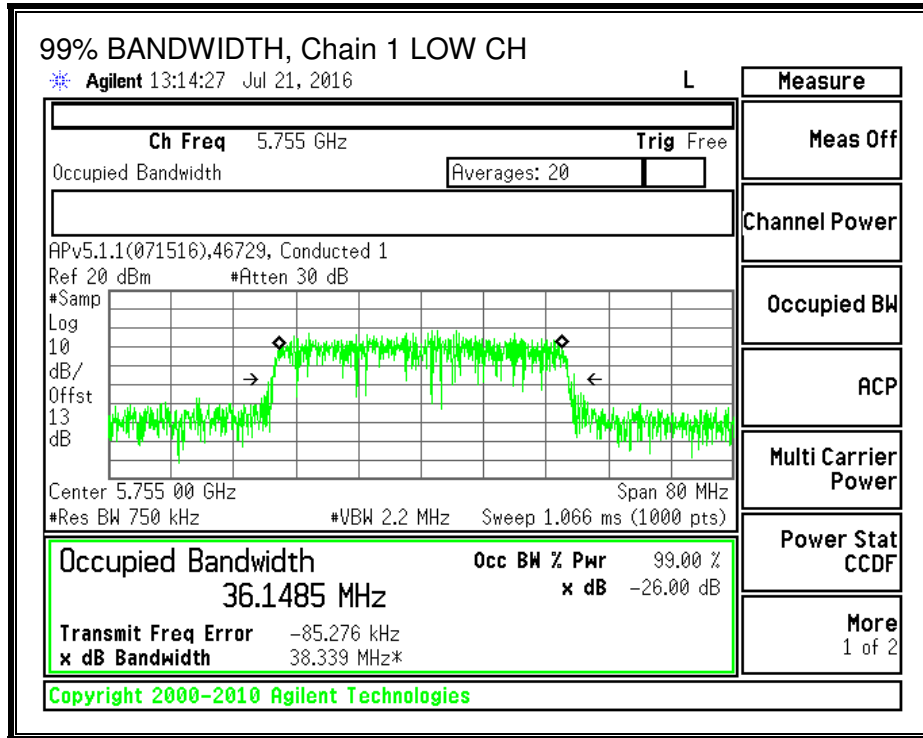
**RESULTS**

| Channel | Frequency<br>(MHz) | 99% BW<br>Chain 0<br>(MHz) | 99% BW<br>Chain 1<br>(MHz) |
|---------|--------------------|----------------------------|----------------------------|
| Low     | 5755               | 36.1457                    | 36.1485                    |
| High    | 5795               | 36.1333                    | 36.2386                    |

**99% BANDWIDTH, Chain 0**



**99% BANDWIDTH, Chain 1**



**8.16.3. AVERAGE POWER**

**LIMITS**

None; for reporting purposes only.

**RESULTS**

| <b>Channel</b> | <b>Frequency<br/>(MHz)</b> | <b>Chain 0<br/>Power<br/>(dBm)</b> | <b>Chain 1<br/>Power<br/>(dBm)</b> | <b>Total<br/>Power<br/>(dBm)</b> |
|----------------|----------------------------|------------------------------------|------------------------------------|----------------------------------|
| Low            | 5755                       | 10.68                              | 6.61                               | 12.12                            |
| High           | 5795                       | 10.71                              | 6.47                               | 12.10                            |

### 8.16.4. OUTPUT POWER

#### 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.

#### DIRECTIONAL ANTENNA GAIN

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

| Chain 0<br>Antenna<br>Gain<br>(dBi) | Chain 1<br>Antenna<br>Gain<br>(dBi) | Uncorrelated Chains<br>Directional<br>Gain<br>(dBi) |
|-------------------------------------|-------------------------------------|---|
| -2.80                               | -2.30                               | -2.54   |

#### RESULTS

##### Antenna Gain and Limit

| Channel | Frequency<br>(MHz) | Directional<br>Gain<br>(dBi) | Power<br>Limit<br>(dBm) |
|---------|--------------------|------------------------------|-------------------------|
| Low     | 5755               | -2.54                        | 30.00                   |
| High    | 5795               | -2.54                        | 30.00                   |

|                    |      |  |
|--------------------|------|--|
| Duty Cycle CF (dB) | 0.12 | Included in Calculations of Corr'd Power |
|--------------------|------|--|

##### Output Power Results

| Channel | Frequency<br>(MHz) | Chain 0<br>Meas<br>Power<br>(dBm) | Chain 1<br>Meas<br>Power<br>(dBm) | Total<br>Corr'd<br>Power<br>(dBm) | Power<br>Limit<br>(dBm) | Power<br>Margin<br>(dB) |
|---------|--------------------|-----------------------------------|-----------------------------------|-----------------------------------|-------------------------|-------------------------|
| Low     | 5755               | 10.68                             | 6.61                              | 12.24                             | 30.00                   | -17.76                  |
| High    | 5795               | 10.71                             | 6.47                              | 12.22                             | 30.00                   | -17.78                  |

### 8.16.5. Maximum Power Spectral Density (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.

#### DIRECTIONAL ANTENNA GAIN

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

| Chain 0<br>Antenna<br>Gain<br>(dBi) | Chain 1<br>Antenna<br>Gain<br>(dBi) | Correlated Chains<br>Directional<br>Gain<br>(dBi) |
|-------------------------------------|-------------------------------------|---|
| -2.80                               | -2.30                               | 0.46  |

#### RESULTS

##### Antenna Gain and Limit

| Channel | Frequency<br>(MHz) | Directional<br>Gain<br>(dBi) | PSD<br>Limit<br>(dBm) |
|---------|--------------------|------------------------------|-----------------------|
| Low     | 5755               | 0.46                         | 30.00                 |
| High    | 5795               | 0.46                         | 30.00                 |

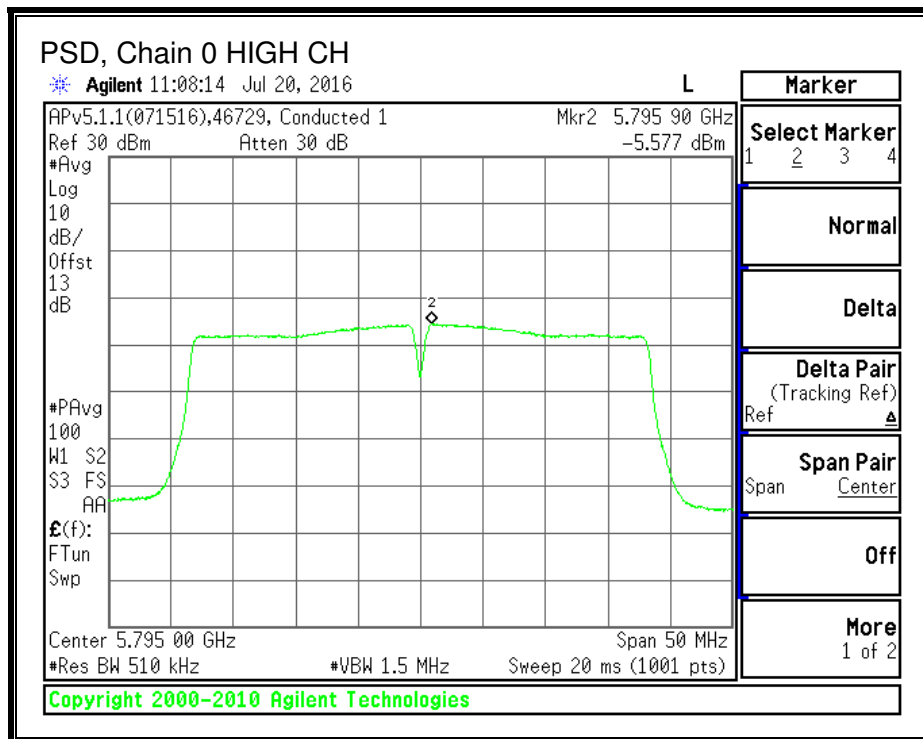
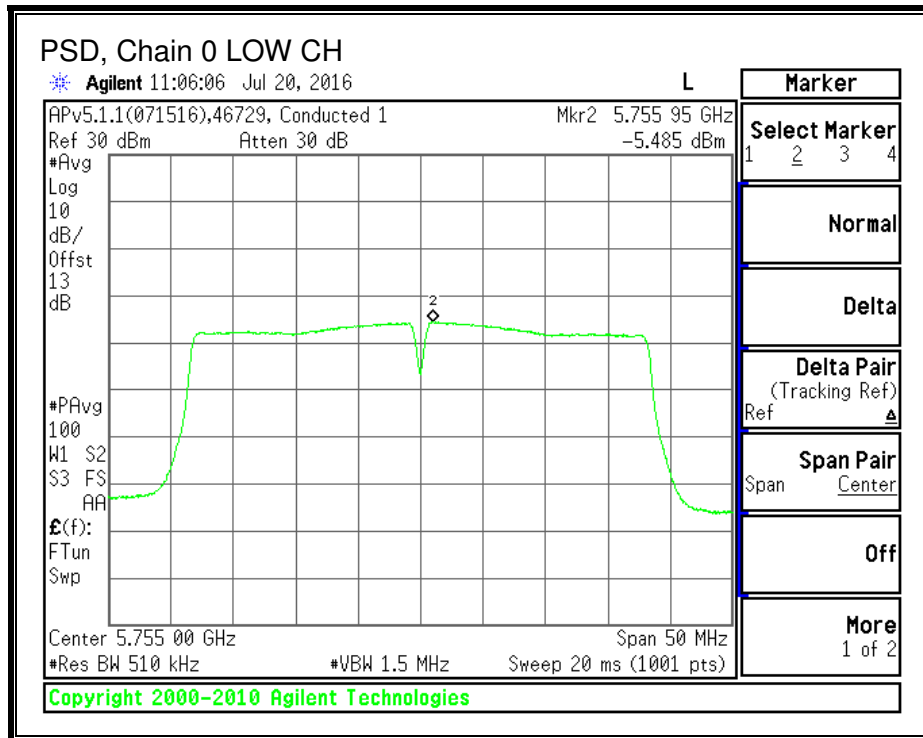
|                    |      |  |
|--------------------|------|--|
| Duty Cycle CF (dB) | 0.12 | Included in Calculations of Corr'd PSD |
|--------------------|------|--|

##### PSD Results

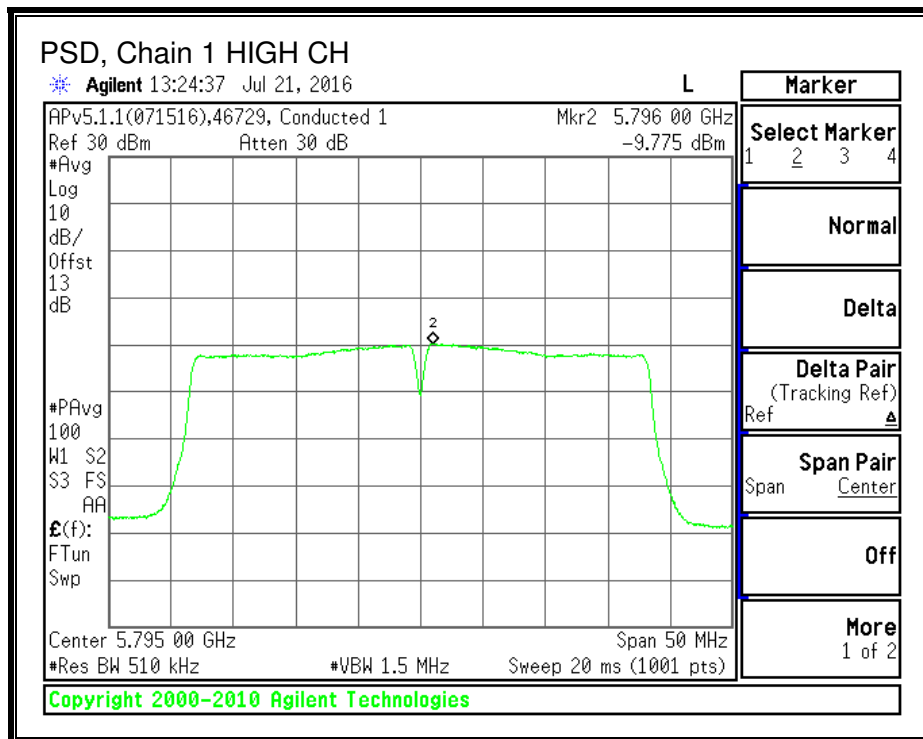
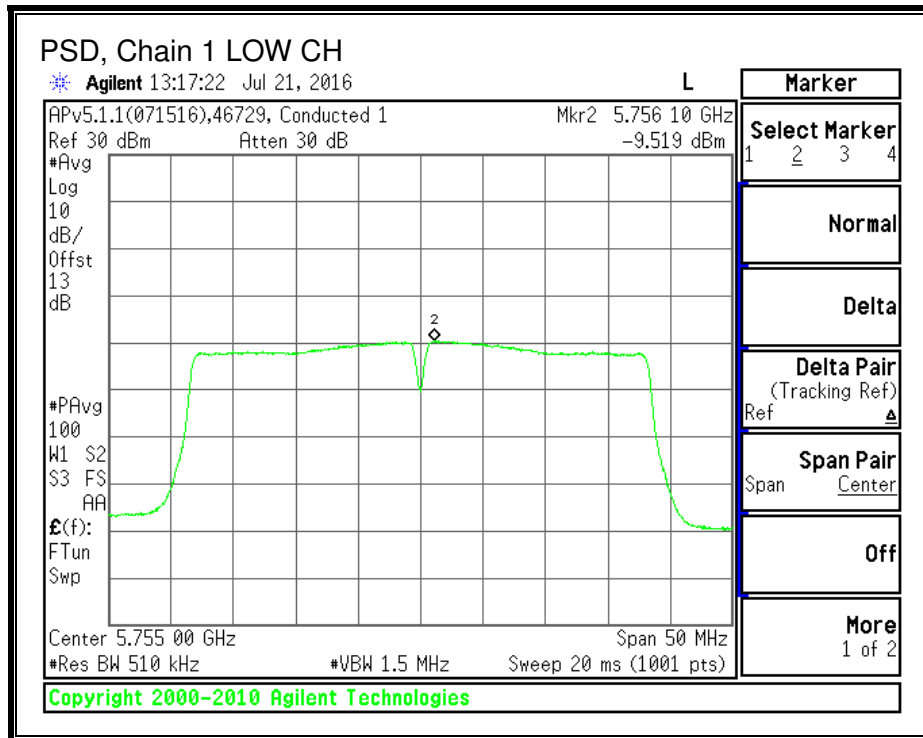
| Channel | Frequency<br>(MHz) | Chain 0<br>Meas<br>PSD<br>(dBm) | Chain 1<br>Meas<br>PSD<br>(dBm) | Total<br>Corr'd<br>PSD<br>(dBm) | PSD<br>Limit<br>(dBm) | PSD<br>Margin<br>(dB) |
|---------|--------------------|---------------------------------|---------------------------------|---------------------------------|-----------------------|-----------------------|
| Low     | 5755               | -5.49                           | -9.52                           | -3.92                           | 30.00                 | -33.92                |
| High    | 5795               | -5.58                           | -9.78                           | -4.06                           | 30.00                 | -34.06                |



**PSD, Chain 0**



**PSD, Chain 1**



## 8.17. 802.11ac VHT80 MODE IN THE 5.8 GHz BAND

### 8.17.1. 6 dB BANDWIDTH

#### LIMITS

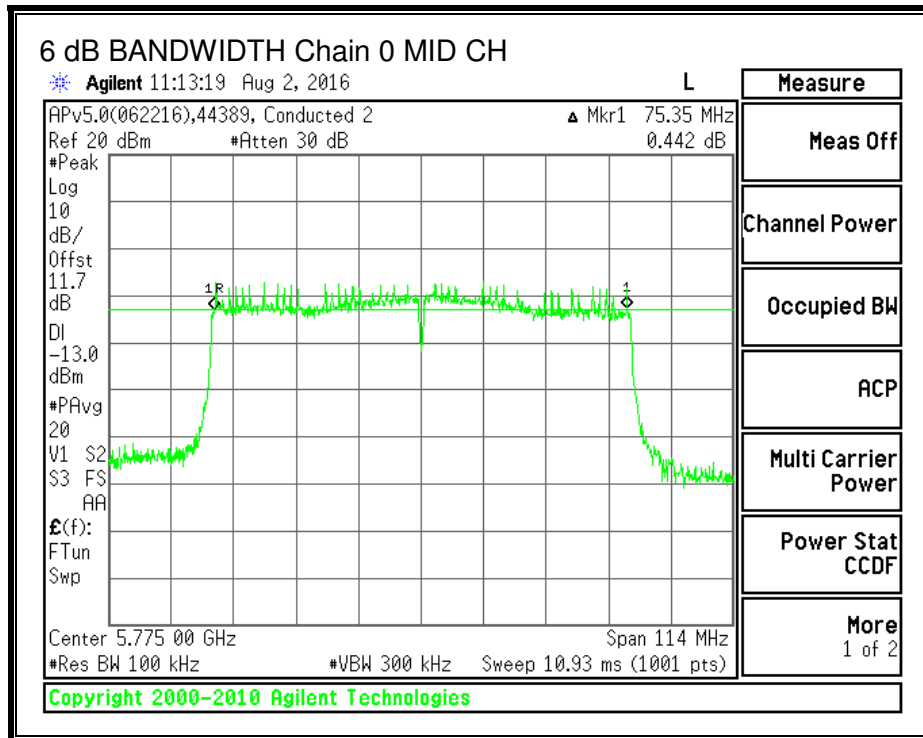
FCC §15.407 (e)

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

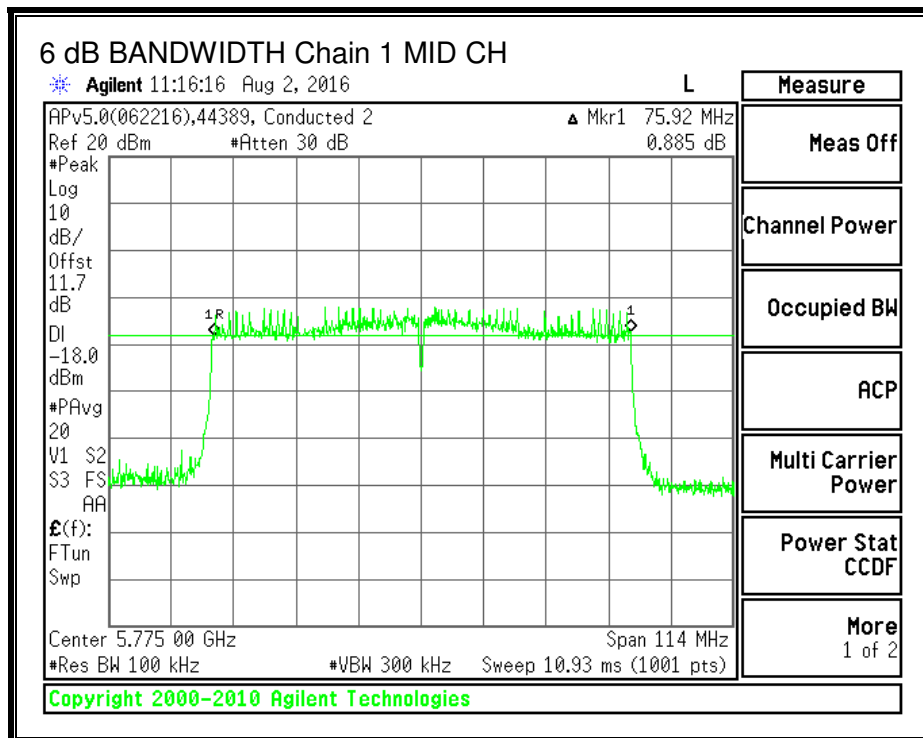
#### RESULTS

| Channel | Frequency<br>(MHz) | 6 dB BW<br>Chain 0<br>(MHz) | 6 dB BW<br>Chain 1<br>(MHz) | Minimum<br>Limit<br>(MHz) |
|---------|--------------------|-----------------------------|-----------------------------|---------------------------|
| Mid     | 5775               | 75.3500                     | 75.9200                     | 0.5                       |

**6 dB BANDWIDTH, Chain 0**



**6 dB BANDWIDTH, Chain 1**



**8.17.2. 99% BANDWIDTH**

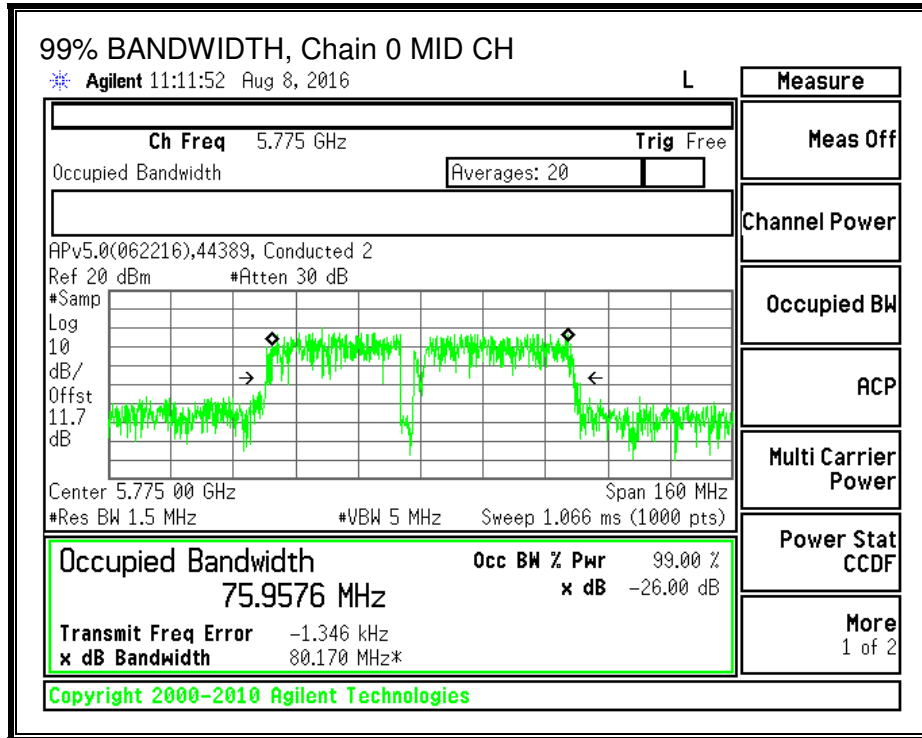
**LIMITS**

None; for reporting purposes only.

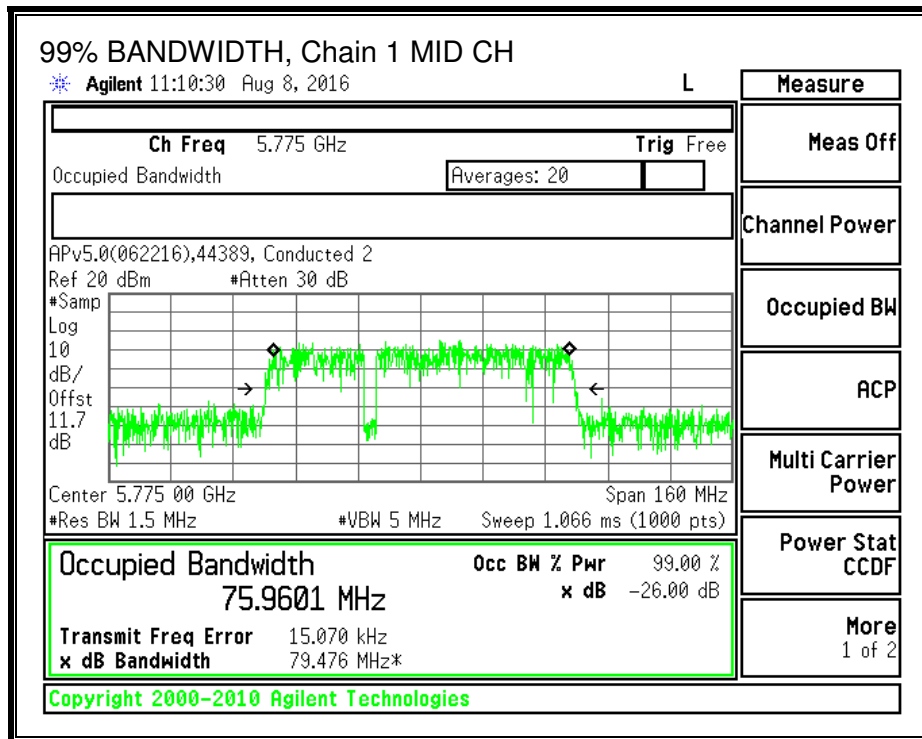
**RESULTS**

| Channel | Frequency<br>(MHz) | 99% BW<br>Chain 0<br>(MHz) | 99% BW<br>Chain 1<br>(MHz) |
|---------|--------------------|----------------------------|----------------------------|
| Mid     | 5775               | 75.9576                    | 75.9601                    |

**99% BANDWIDTH, Chain 0**



**99% BANDWIDTH, Chain 1**



### 8.17.3. AVERAGE POWER

#### LIMITS

None; for reporting purposes only.

#### RESULTS

| Channel | Frequency<br>(MHz) | Chain 0<br>Power<br>(dBm) | Chain 1<br>Power<br>(dBm) | Total<br>Power<br>(dBm) |
|---------|--------------------|---------------------------|---------------------------|-------------------------|
| Mid     | 5775               | 10.55                     | 6.32                      | 11.94                   |

### 8.17.4. OUTPUT POWER

#### 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.

#### DIRECTIONAL ANTENNA GAIN

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

| Chain 0<br>Antenna<br>Gain<br>(dBi) | Chain 1<br>Antenna<br>Gain<br>(dBi) | Uncorrelated Chains<br>Directional<br>Gain<br>(dBi) |
|-------------------------------------|-------------------------------------|---|
| -2.80                               | -2.30                               | -2.54   |

#### RESULTS

##### Antenna Gain and Limit

| Channel | Frequency<br>(MHz) | Directional<br>Gain<br>(dBi) | Power<br>Limit<br>(dBm) |
|---------|--------------------|------------------------------|-------------------------|
| Mid     | 5775               | -2.54                        | 30.00                   |

|                    |      |  |
|--------------------|------|--|
| Duty Cycle CF (dB) | 0.26 | Included in Calculations of Corr'd Power |
|--------------------|------|--|

##### Output Power Results

| Channel | Frequency<br>(MHz) | Chain 0<br>Meas<br>Power<br>(dBm) | Chain 1<br>Meas<br>Power<br>(dBm) | Total<br>Corr'd<br>Power<br>(dBm) | Power<br>Limit<br>(dBm) | Power<br>Margin<br>(dB) |
|---------|--------------------|-----------------------------------|-----------------------------------|-----------------------------------|-------------------------|-------------------------|
| Mid     | 5775               | 10.55                             | 6.32                              | 12.20                             | 30.00                   | -17.80                  |



**8.17.5. Maximum Power Spectral Density (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.

**DIRECTIONAL ANTENNA GAIN**

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

| Chain 0<br>Antenna<br>Gain<br>(dBi) | Chain 1<br>Antenna<br>Gain<br>(dBi) | Correlated Chains<br>Directional<br>Gain<br>(dBi) |
|-------------------------------------|-------------------------------------|---|
| -2.80                               | -2.30                               | 0.46  |

**RESULTS**

**Antenna Gain and Limit**

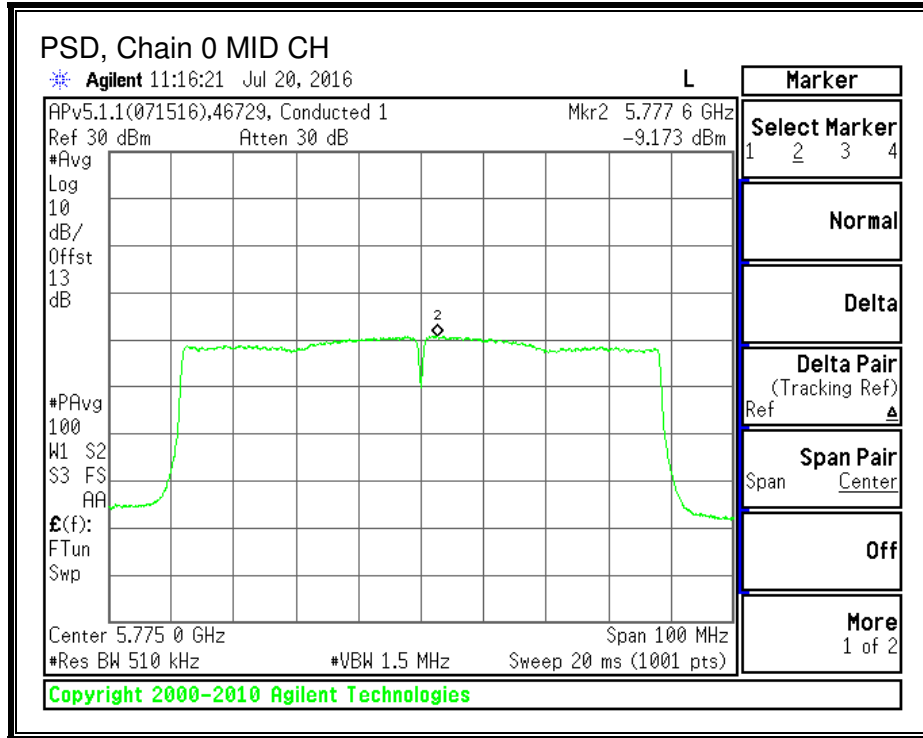
| Channel | Frequency<br>(MHz) | Directional<br>Gain<br>(dBi) | PSD<br>Limit<br>(dBm) |
|---------|--------------------|------------------------------|-----------------------|
| Mid     | 5755               | 0.46                         | 30.00                 |

|                           |      |   |
|---------------------------|------|---|
| <b>Duty Cycle CF (dB)</b> | 0.26 | <b>Included in Calculations of Corr'd PSD</b> |
|---------------------------|------|---|

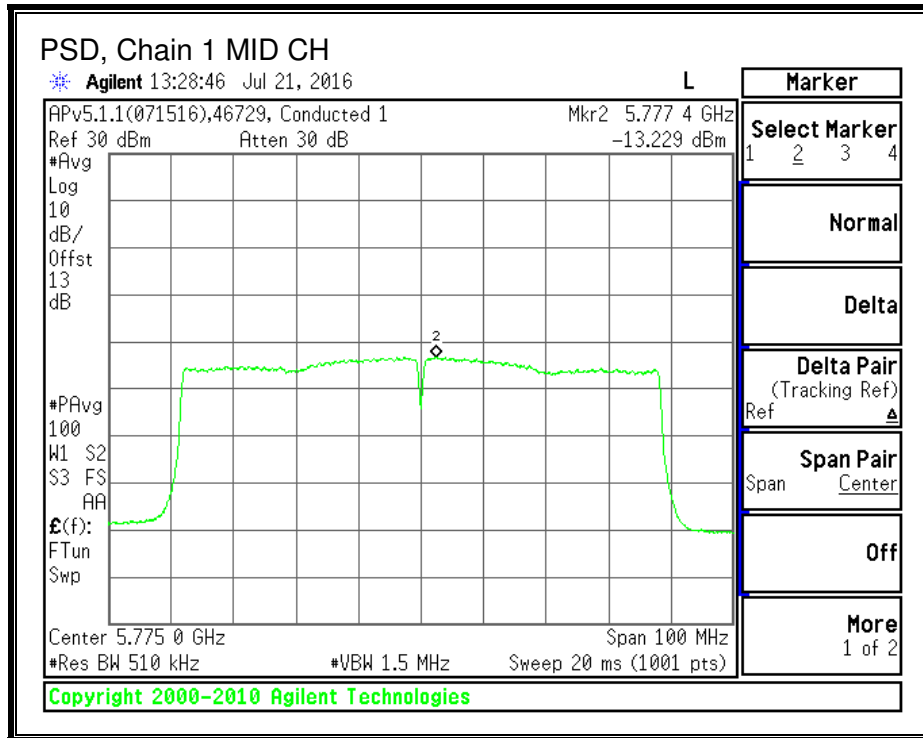
**PSD Results**

| Channel | Frequency<br>(MHz) | Chain 0<br>Meas<br>PSD<br>(dBm) | Chain 1<br>Meas<br>PSD<br>(dBm) | Total<br>Corr'd<br>PSD<br>(dBm) | PSD<br>Limit<br>(dBm) | PSD<br>Margin<br>(dB) |
|---------|--------------------|---------------------------------|---------------------------------|---------------------------------|-----------------------|-----------------------|
| Mid     | 5755               | -9.17                           | -13.23                          | -7.47                           | 30.00                 | -37.47                |

**PSD, Chain 0**



**PSD, Chain 1**



## 9. RADIATED TEST RESULTS

### 9.1. 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) @ 300 m                | -                                    |
| 0.490-1.705           | 24000/F(kHz) @ 30 m                | -                                    |
| 1.705 - 30            | 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 below 1GHz measurements and 1.5 m above the ground plane for above 1GHz measurements. The antenna to EUT distance is 3 meters.

For measurements below 1 GHz the resolution bandwidth is set to 120 kHz for peak detection measurements or 120 kHz for quasi-peak detection measurements for the 30-1000 MHz range, 9 kHz for peak detection measurements or 9 kHz for quasi-peak detection measurements for the 0.15-30 MHz range and 200 Hz for peak detection measurements or 200 Hz for quasi-peak detection measurements for the 9 to 150 kHz range. Peak detection is used unless otherwise noted as quasi-peak.

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 as applicable for average measurements. For this evaluation, RMS Power Averaging was used and the resolution/video bandwidth settings were 1MHz/3MHz.

The spectrum from 9 kHz to 40 GHz is investigated with the transmitter set to the lowest, middle, and highest channels in each applicable band.

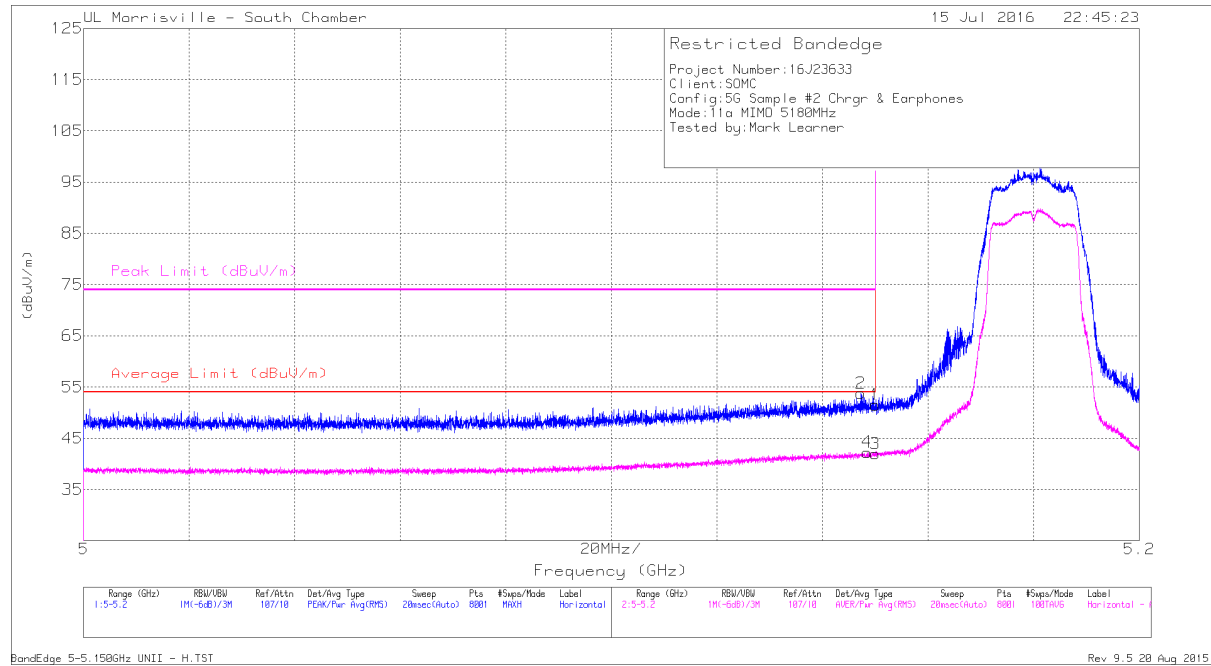
The frequency range of interest is monitored at a fixed antenna height and EUT azimuth. The EUT is rotated through 360 degrees to maximize emissions received. The antenna is scanned from 1 to 4 meters above the ground plane to further maximize the emission. Measurements are made with the antenna polarized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

## 9.2. TRANSMITTER ABOVE 1 GHz

### 9.2.1. TX ABOVE 1 GHz 802.11a MODE IN THE 5.2 GHz BAND

#### RESTRICTED BANDEDGE (LOW CHANNEL)

#### LOW CHANNEL RESTRICTED, HORIZONTAL



#### Trace Markers

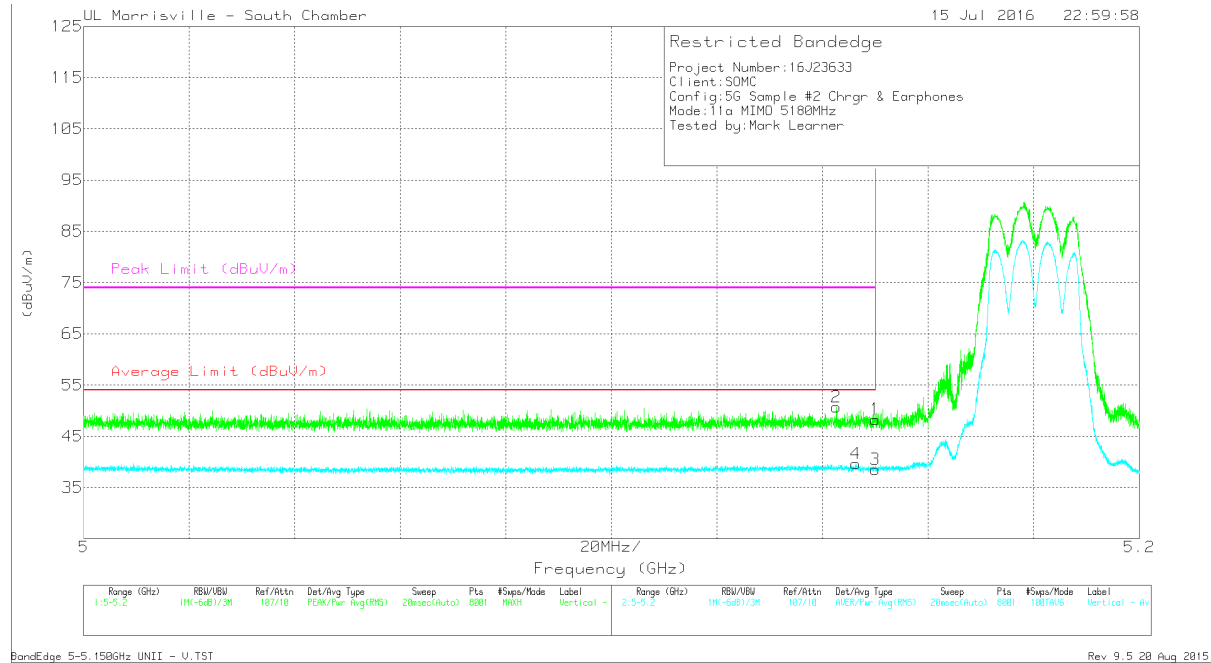
| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF AT0069 (dB/m) | Amp/Cbl/Fitr/Pad (dB) | DC Corr (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|------------------|-----------------------|--------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 2      | * 5.147         | 42.47                | Pk  | 34.2             | -22.9                 | 0            | 53.77                      | -                      | -           | 74                  | -20.23         | 315            | 115         | H        |
| 4      | * 5.148         | 30.98                | RMS | 34.2             | -22.9                 | 0            | 42.28                      | 54                     | -11.72      | -                   | -              | 315            | 115         | H        |
| 1      | 5.15            | 40.22                | PK  | 34.2             | -22.9                 | 0            | 51.52                      | -                      | -           | 74                  | -22.48         | 315            | 115         | H        |
| 3      | 5.15            | 30.69                | RMS | 34.2             | -22.9                 | 0            | 41.99                      | 54                     | -12.01      | -                   | -              | 315            | 115         | H        |

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

Pk - Peak detector

RMS - RMS detection

LOW CHANNEL RESTRICTED, VERTICAL



Trace Markers

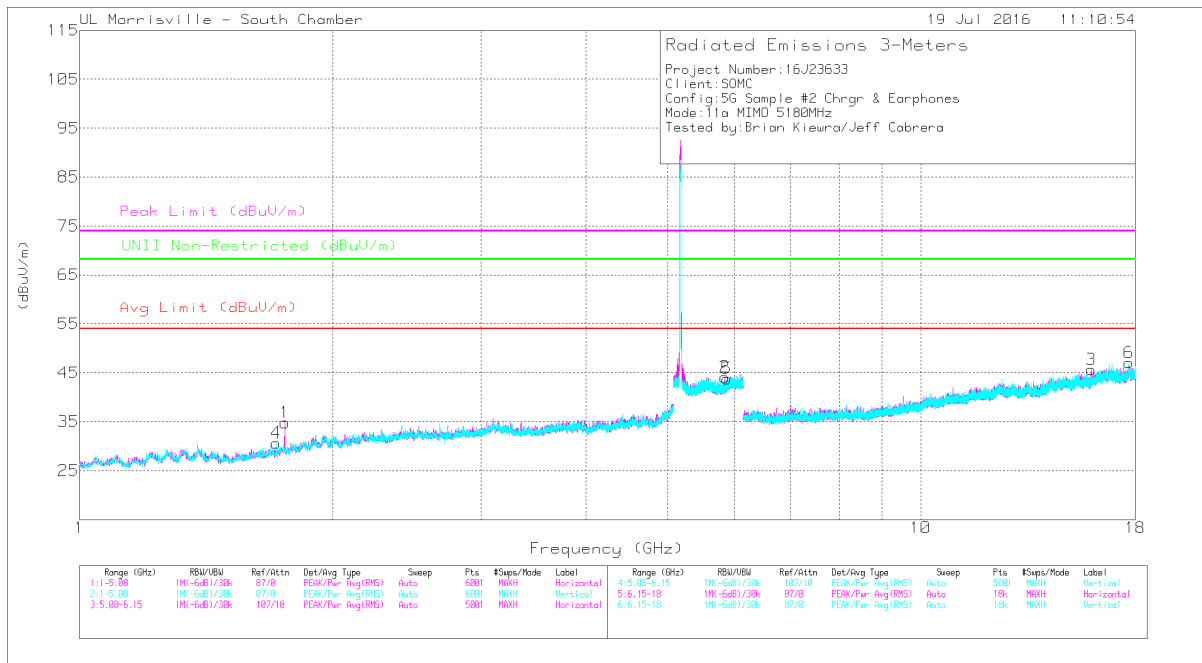
| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF AT0069 (dB/m) | Amp/Cbl/Filtr/Pad (dB) | DC Corr (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|------------------|------------------------|--------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 2      | * 5.143         | 39.3                 | Pk  | 34.2             | -22.8                  | 0            | 50.7                       | -                      | -           | 74                  | -23.3          | 108            | 114         | V        |
| 4      | * 5.146         | 28.23                | RMS | 34.2             | -22.8                  | 0            | 39.63                      | 54                     | -14.37      | -                   | -              | 108            | 114         | V        |
| 1      | 5.15            | 37                   | Pk  | 34.2             | -22.9                  | 0            | 48.3                       | -                      | -           | 74                  | -25.7          | 108            | 114         | V        |
| 3      | 5.15            | 27.27                | RMS | 34.2             | -22.9                  | 0            | 38.57                      | 54                     | -15.43      | -                   | -              | 108            | 114         | V        |

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

Pk - Peak detector

RMS - RMS detection

**HARMONICS AND SPURIOUS EMISSIONS**  
**LOW CHANNEL PLOT**

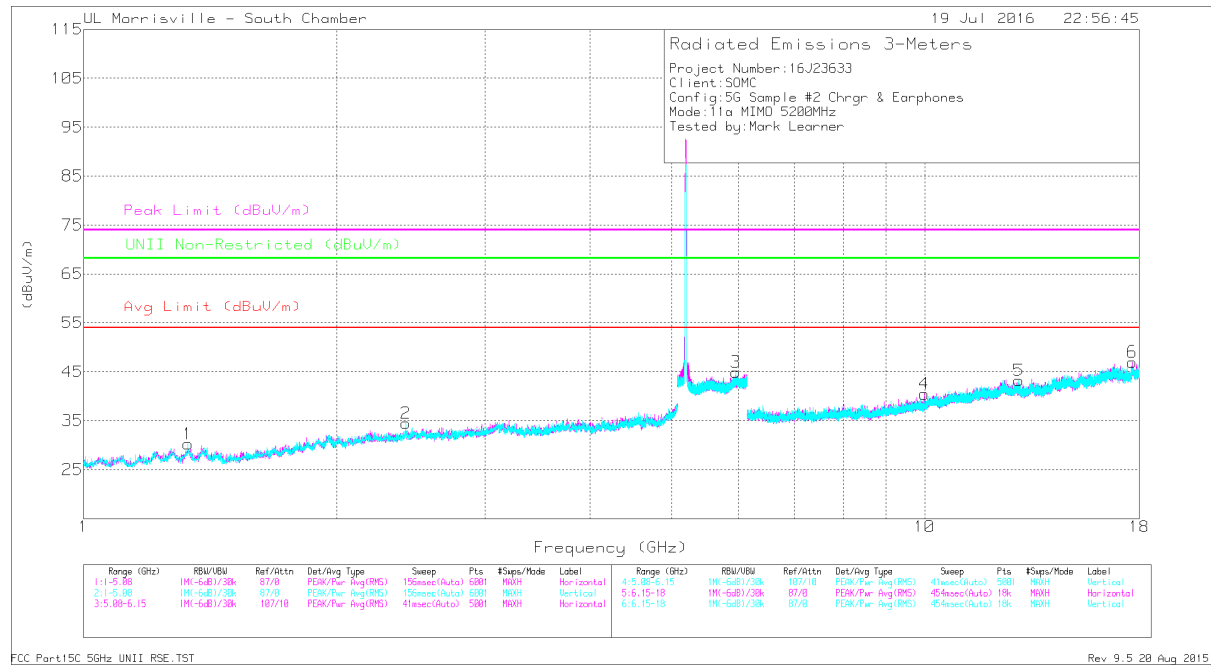


**Trace Markers**

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det  | AF AT0069 (dB/m) | Amp/Cbl/ Ftr/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      | * 15.958        | 35.99                | PK-U | 40.5             | -25.6                 | 0            | 50.89                      | -                  | -           | 74                  | -23.11         | -                            | -              | 2              | 104         | H        |
|        | * 15.959        | 25.33                | ADR  | 40.5             | -25.6                 | 0            | 40.23                      | 54                 | -13.77      | -                   | -              | -                            | -              | 2              | 104         | H        |
| 4      | 1.713           | 41.62                | PK-U | 29.2             | -35.1                 | 0            | 35.72                      | -                  | -           | -                   | -              | 68.2                         | -32.48         | 2              | 102         | V        |
| 1      | 1.754           | 42.35                | PK-U | 29.6             | -35.2                 | 0            | 36.75                      | -                  | -           | -                   | -              | 68.2                         | -31.45         | 2              | 102         | H        |
| 2      | 5.849           | 38.27                | PK-U | 34.7             | -23.5                 | 0            | 49.47                      | -                  | -           | -                   | -              | 68.2                         | -18.73         | 2              | 199         | H        |
| 5      | 5.883           | 38.17                | PK-U | 34.8             | -23.5                 | 0            | 49.47                      | -                  | -           | -                   | -              | 68.2                         | -18.73         | 2              | 104         | V        |
| 6      | 17.695          | 34.51                | PK-U | 41.2             | -23                   | 0            | 52.71                      | -                  | -           | -                   | -              | 68.2                         | -15.49         | 2              | 198         | 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

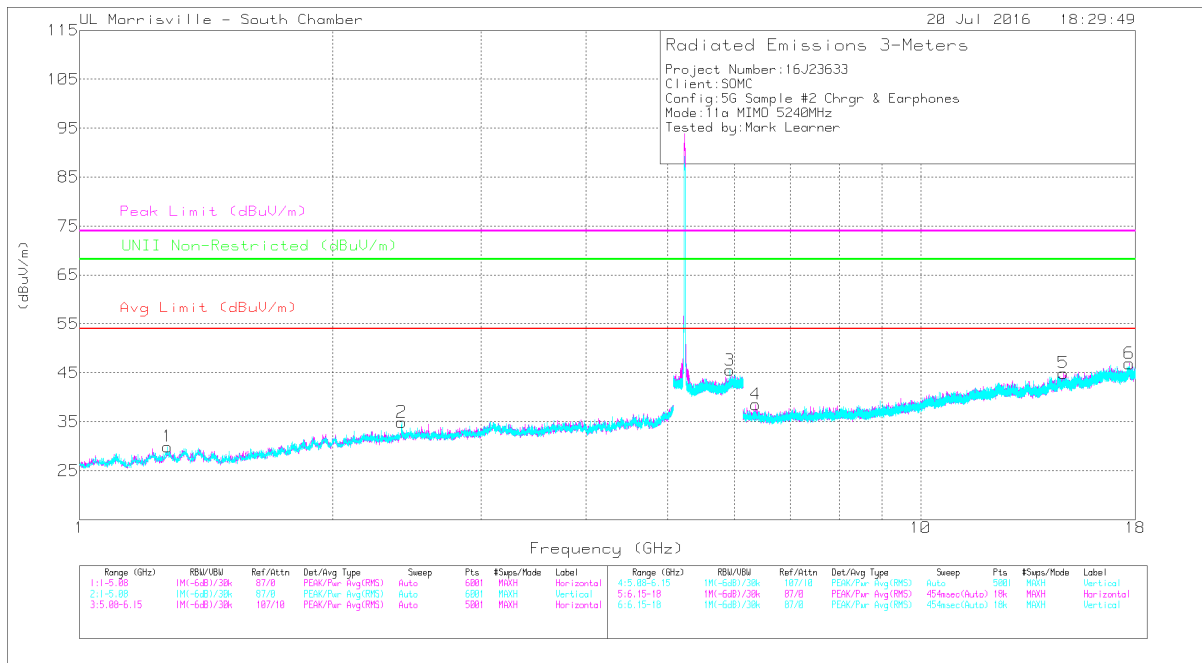
MID CHANNEL PLOT



| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det  | AF AT0069 (dB/m) | Amp/Cbl/Fltr/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      | * 1.33          | 42.74                | PK-U | 28.8             | -35.4                 | 0            | 36.14                      | -                  | -           | 74                  | -37.86         | -                            | -              | 1              | 198         | V        |
|        | * 1.332         | 31.17                | ADR  | 28.8             | -35.3                 | 0            | 24.67                      | 54                 | -29.33      | -                   | -              | -                            | -              | 1              | 198         | V        |
| 2      | 2.414           | 42.42                | PK-U | 32.3             | -34.7                 | 0            | 40.02                      | -                  | -           | -                   | -              | 68.2                         | -28.18         | 1              | 104         | V        |
| 3      | 5.964           | 38.17                | PK-U | 35.1             | -23.1                 | 0            | 50.17                      | -                  | -           | -                   | -              | 68.2                         | -18.03         | 1              | 198         | V        |
| 4      | 9.992           | 34.37                | PK-U | 37.2             | -26.7                 | 0            | 44.87                      | -                  | -           | -                   | -              | 68.2                         | -23.33         | 1              | 104         | H        |
| 5      | 12.943          | 34.67                | PK-U | 39.2             | -26                   | 0            | 47.87                      | -                  | -           | -                   | -              | 68.2                         | -20.33         | 1              | 198         | V        |
| 6      | 17.647          | 34.56                | PK-U | 41.2             | -23.6                 | 0            | 52.16                      | -                  | -           | -                   | -              | 68.2                         | -16.04         | 1              | 104         | 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

HIGH CHANNEL PLOT



Trace Markers

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det  | AF AT0069 (dB/m) | Amp/Cbl/ Ftr/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      | * 1.272         | 42.68                | PK-U | 28.7             | -35.6                 | 0            | 35.78                      | -                  | -           | 74                  | -38.22         | -                            | -              | 360            | 198         | V        |
|        | * 1.271         | 31.2                 | ADR  | 28.7             | -35.6                 | 0            | 24.3                       | 54                 | -29.7       | -                   | -              | -                            | -              | 360            | 198         | V        |
| 6      | * 17.705        | 34.36                | PK-U | 41.2             | -23                   | 0            | 52.56                      | -                  | -           | 74                  | -21.44         | -                            | -              | 327            | 198         | H        |
|        | * 17.704        | 23.62                | ADR  | 41.2             | -23                   | 0            | 41.82                      | 54                 | -12.18      | -                   | -              | -                            | -              | 327            | 198         | H        |
| 4      | 6.363           | 37.83                | PK-U | 35.4             | -29.8                 | 0            | 43.43                      | -                  | -           | -                   | -              | 68.2                         | -24.77         | 327            | 198         | H        |
| 5      | 14.781          | 35.73                | PK-U | 39.9             | -25.5                 | 0            | 50.13                      | -                  | -           | -                   | -              | 68.2                         | -18.07         | 327            | 198         | H        |
| 2      | 2.414           | 43.51                | PK-U | 32.3             | -34.7                 | 0            | 41.11                      | -                  | -           | -                   | -              | 68.2                         | -27.09         | 41             | 104         | V        |
| 3      | 5.932           | 38                   | PK-U | 35               | -23.3                 | 0            | 49.7                       | -                  | -           | -                   | -              | 68.2                         | -18.5          | 41             | 104         | V        |

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

PK-U - U-NII: Maximum Peak

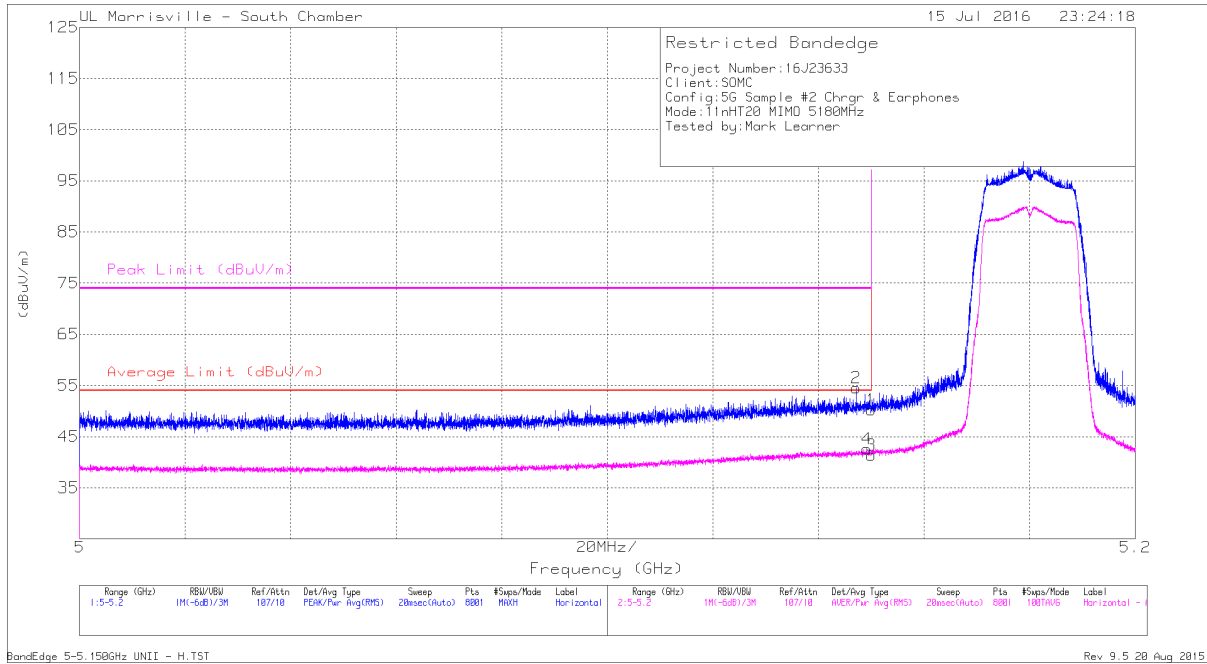
ADR - U-NII AD primary method, RMS average



## 9.2.2. TX ABOVE 1 GHz 802.11n HT20 MODE IN THE 5.2 GHz BAND

### RESTRICTED BANDEDGE (LOW CHANNEL)

#### LOW CHANNEL RESTRICTED, HORIZONTAL



#### Trace Markers

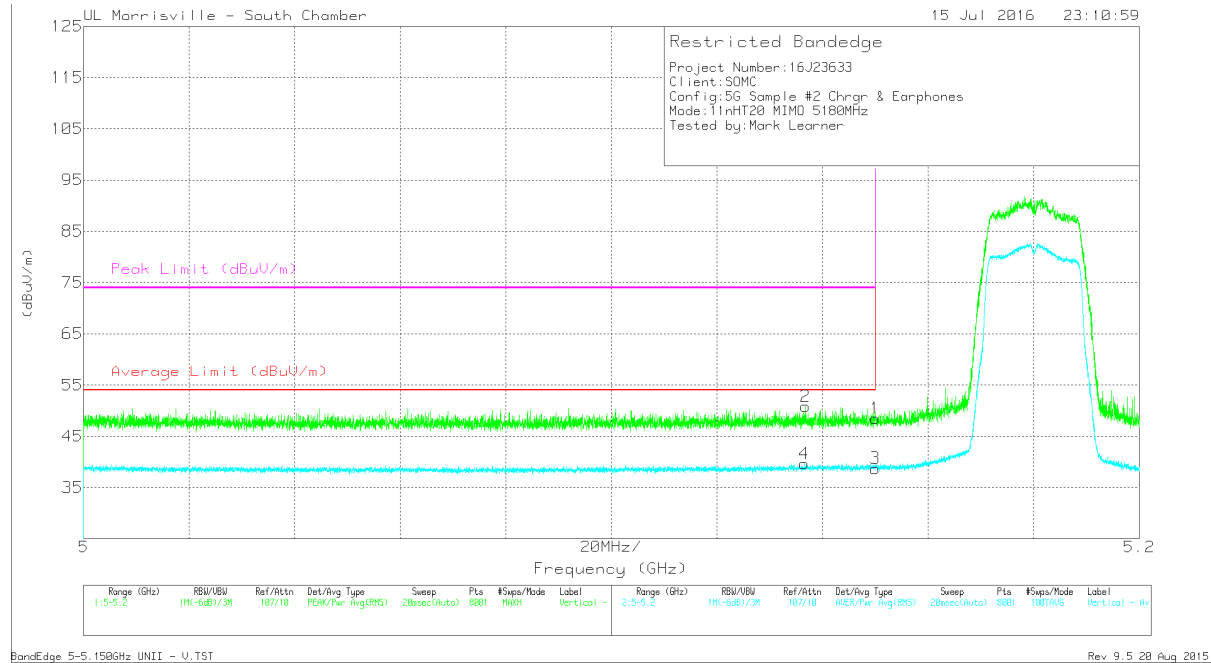
| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF AT0069 (dB/m) | Amp/Cbl/ Filtr/Pad (dB) | DC Corr (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|------------------|-------------------------|--------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 2      | * 5.147         | 43.23                | Pk  | 34.2             | -22.9                   | 0            | 54.53                      | -                      | -           | 74                  | -19.47         | 314            | 102         | H        |
| 4      | * 5.149         | 31.28                | RMS | 34.2             | -22.9                   | 0            | 42.58                      | 54                     | -11.42      | -                   | -              | 314            | 102         | H        |
| 1      | 5.15            | 38.92                | Pk  | 34.2             | -22.9                   | 0            | 50.22                      | -                      | -           | 74                  | -23.78         | 314            | 102         | H        |
| 3      | 5.15            | 30.09                | RMS | 34.2             | -22.9                   | 0            | 41.39                      | 54                     | -12.61      | -                   | -              | 314            | 102         | H        |

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

Pk - Peak detector

RMS - RMS detection

LOW CHANNEL RESTRICTED, VERTICAL



Trace Markers

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF AT0069 (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      | * 5.137         | 39.45                | Pk  | 34.2             | -22.8                   | 0            | 50.85                      | -                      | -           | 74                  | -23.15         | 92             | 113         | V        |
| 4      | * 5.137         | 28.27                | RMS | 34.2             | -22.8                   | 0            | 39.67                      | 54                     | -14.33      | -                   | -              | 92             | 113         | V        |
| 1      | 5.15            | 37.16                | Pk  | 34.2             | -22.9                   | 0            | 48.46                      | -                      | -           | 74                  | -25.54         | 92             | 113         | V        |
| 3      | 5.15            | 27.42                | RMS | 34.2             | -22.9                   | 0            | 38.72                      | 54                     | -15.28      | -                   | -              | 92             | 113         | V        |

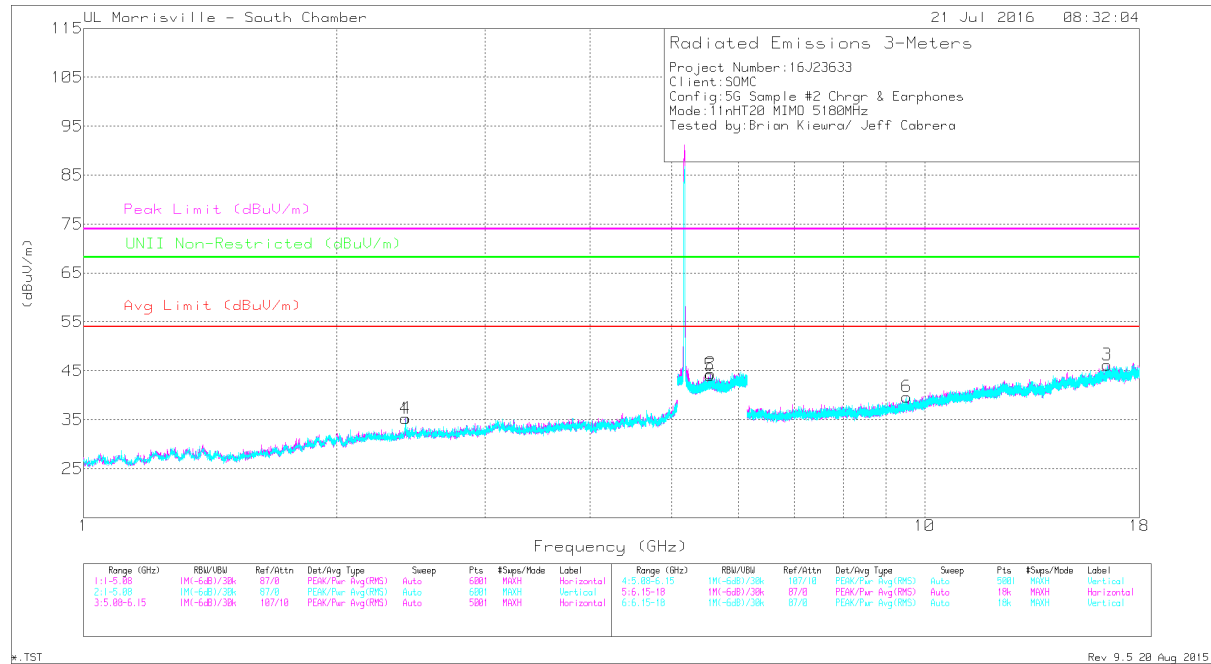
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

**HARMONICS AND SPURIOUS EMISSIONS**

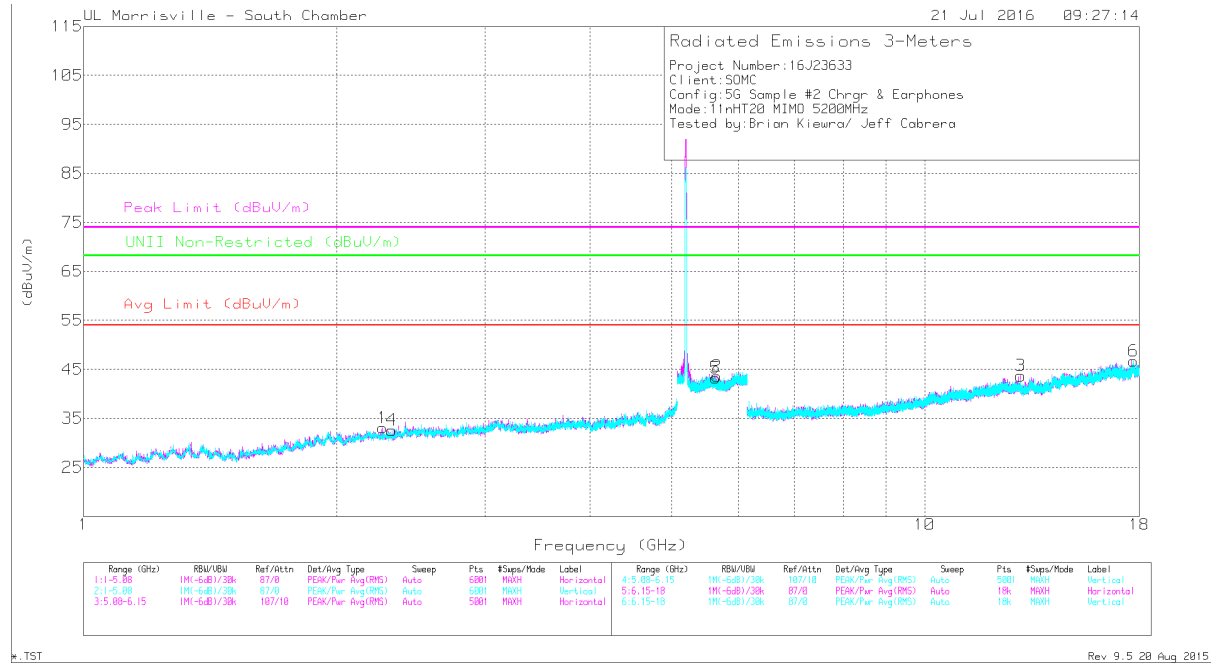
**LOW CHANNEL PLOT**



**Trace Markers**

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det  | AF AT0069 (dB/m) | Amp/Cbl/ Ftr/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      | 2.415           | 43.42                | PK-U | 32.3             | -34.7                 | 0            | 41.02                      | -                  | -           | -                   | -              | 68.2                         | -27.18         | 149            | 372         | H        |
| 4      | 2.415           | 43.77                | PK-U | 32.3             | -34.7                 | 0            | 41.37                      | -                  | -           | -                   | -              | 68.2                         | -26.83         | 293            | 107         | V        |
| 5      | 5.552           | 39.79                | PK-U | 34.6             | -23.8                 | 0            | 50.59                      | -                  | -           | -                   | -              | 68.2                         | -17.61         | 17             | 306         | V        |
| 2      | 5.564           | 38.92                | PK-U | 34.6             | -23.7                 | 0            | 49.82                      | -                  | -           | -                   | -              | 68.2                         | -18.38         | 204            | 282         | H        |
| 6      | 9.527           | 34.94                | PK-U | 36.5             | -27                   | 0            | 44.44                      | -                  | -           | -                   | -              | 68.2                         | -23.76         | 267            | 232         | V        |
| 3      | 16.473          | 35.05                | PK-U | 41.1             | -25.2                 | 0            | 50.95                      | -                  | -           | -                   | -              | 68.2                         | -17.25         | 220            | 395         | H        |

MID CHANNEL PLOT



Trace Markers

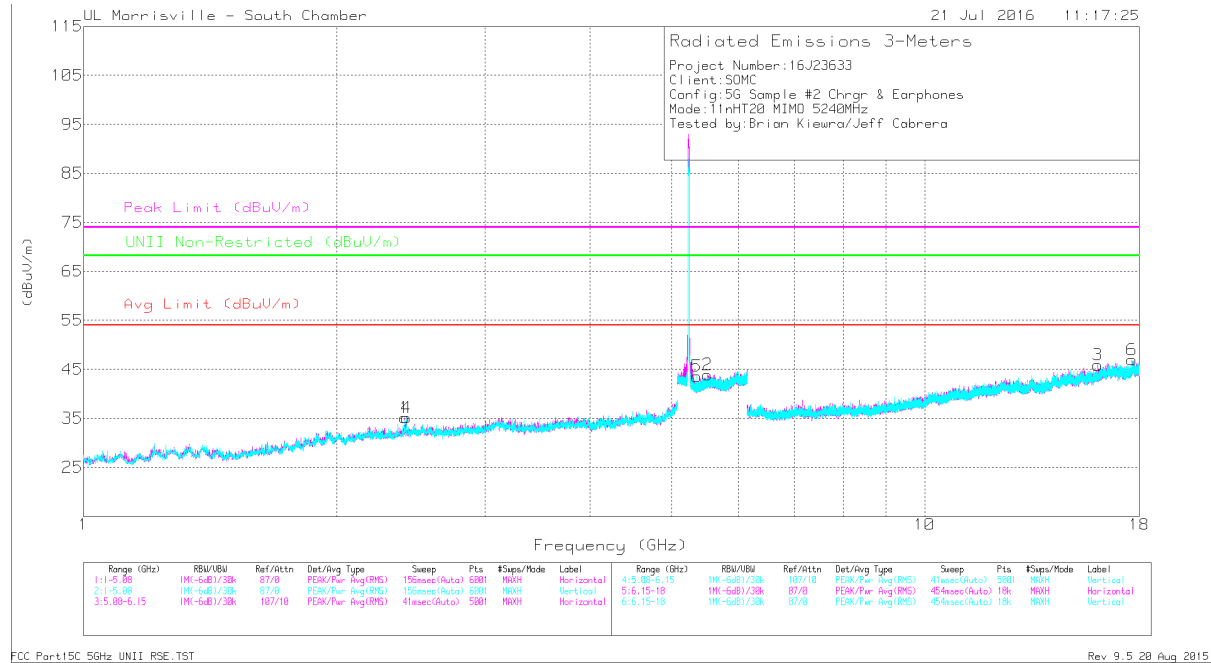
| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det  | AF AT0069 (dB/m) | Amp/Cbl/ Fltr/Pad (dB) | DC Corr (dB) | Corrected Reading (dBuV/m) | Avg Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | UNII Non-Restricted (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|------|------------------|------------------------|--------------|----------------------------|--------------------|-------------|---------------------|----------------|------------------------------|----------------|----------------|-------------|----------|
| 1      | * 2.267         | 42.23                | PK-U | 31.7             | -34.6                  | 0            | 39.33                      | -                  | -           | 74                  | -34.67         | -                            | -              | 253            | 204         | H        |
|        | * 2.268         | 29.69                | ADR  | 31.7             | -34.6                  | 0            | 26.79                      | 54                 | -27.21      | -                   | -              | -                            | -              | 253            | 204         | H        |
| 4      | * 2.324         | 42                   | PK-U | 31.7             | -34.6                  | 0            | 39.1                       | -                  | -           | 74                  | -34.9          | -                            | -              | 166            | 300         | V        |
|        | * 2.326         | 29.69                | ADR  | 31.7             | -34.6                  | 0            | 26.79                      | 54                 | -27.21      | -                   | -              | -                            | -              | 166            | 300         | V        |
| 6      | * 17.705        | 34.18                | PK-U | 41.2             | -23                    | 0            | 52.38                      | -                  | -           | 74                  | -21.62         | -                            | -              | 60             | 329         | V        |
|        | * 17.707        | 22.91                | ADR  | 41.2             | -23                    | 0            | 41.11                      | 54                 | -12.89      | -                   | -              | -                            | -              | 60             | 329         | V        |
| 5      | 5.645           | 38.12                | PK-U | 34.7             | -23.8                  | 0            | 49.02                      | -                  | -           | -                   | -              | 68.2                         | -19.18         | 1              | 152         | V        |
| 2      | 5.662           | 38.47                | PK-U | 34.7             | -23.8                  | 0            | 49.37                      | -                  | -           | -                   | -              | 68.2                         | -18.83         | 105            | 395         | H        |
| 3      | 13.01           | 35.02                | PK-U | 39.2             | -26                    | 0            | 48.22                      | -                  | -           | -                   | -              | 68.2                         | -19.98         | 252            | 342         | 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

HIGH CHANNEL PLOT



FCC Part15C 5GHz UNII RSE.TST

Rev 9.5 28 Aug 2015

Trace Markers

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det  | AF AT0069 (dB/m) | Amp/Cbl/Fltr/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 |
|--------|-----------------|----------------------|------|------------------|-----------------------|--------------|----------------------------|--------------------|-------------|---------------------|----------------|------------------------------|----------------|----------------|-------------|----------|
| 5      | * 5.36          | 37.52                | PK-U | 34.4             | -23.4                 | 0            | 48.52                      | -                  | -           | 74                  | -25.48         | -                            | -              | 54             | 373         | V        |
|        | * 5.36          | 25.96                | ADR  | 34.4             | -23.4                 | 0            | 36.96                      | 54                 | -17.04      | -                   | -              | -                            | -              | 54             | 373         | V        |
| 3      | * 16.074        | 36.32                | PK-U | 40.7             | -25.9                 | 0            | 51.12                      | -                  | -           | 74                  | -22.88         | -                            | -              | 257            | 121         | H        |
|        | * 16.076        | 24.72                | ADR  | 40.7             | -25.9                 | 0            | 39.52                      | 54                 | -14.48      | -                   | -              | -                            | -              | 257            | 121         | H        |
| 1      | 2.41            | 43.67                | PK-U | 32.3             | -34.7                 | 0            | 41.27                      | -                  | -           | -                   | -              | 68.2                         | -26.93         | 96             | 317         | H        |
| 4      | 2.42            | 44.69                | PK-U | 32.3             | -34.7                 | 0            | 42.29                      | -                  | -           | -                   | -              | 68.2                         | -25.91         | 285            | 205         | V        |
| 2      | 5.517           | 38.88                | PK-U | 34.6             | -23.8                 | 0            | 49.68                      | -                  | -           | -                   | -              | 68.2                         | -18.52         | 305            | 283         | H        |
| 6      | 17.643          | 34.62                | PK-U | 41.2             | -23.7                 | 0            | 52.12                      | -                  | -           | -                   | -              | 68.2                         | -16.08         | 349            | 328         | V        |

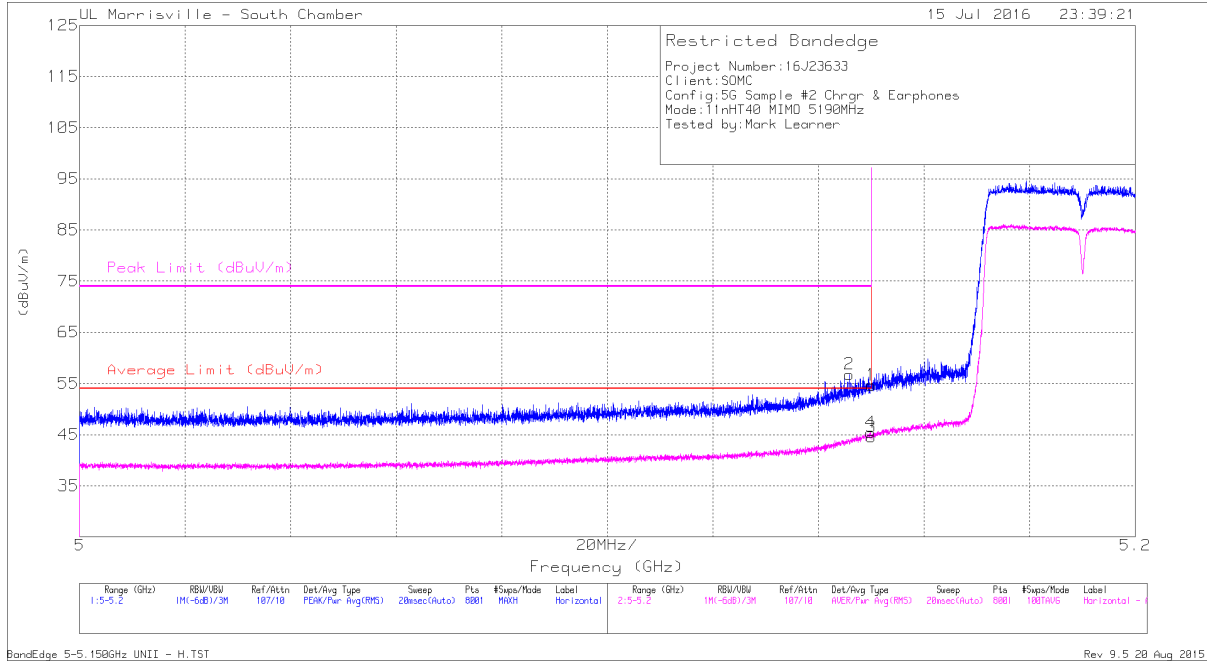
PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

### 9.2.3. TX ABOVE 1 GHz 802.11n HT40 MODE IN THE 5.2 GHz BAND

#### RESTRICTED BANDEDGE (LOW CHANNEL)

#### LOW CHANNEL RESTRICTED, HORIZONTAL



#### Trace Markers

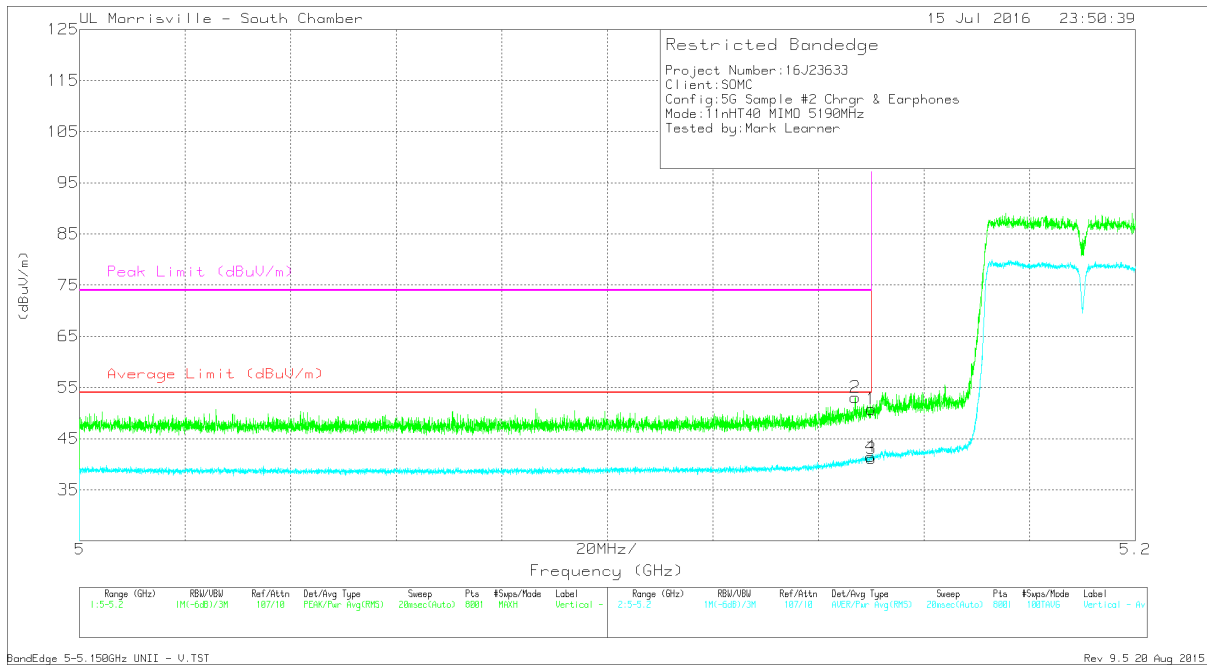
| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF AT0069 (dB/m) | Amp/Cbl /Filtr/Pad (dB) | DC Corr (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|------------------|-------------------------|--------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 2      | * 5.146         | 45.4                 | Pk  | 34.2             | -22.8                   | 0            | 56.8                       | -                      | -           | 74                  | -17.2          | 312            | 102         | H        |
| 4      | * 5.15          | 34.03                | RMS | 34.2             | -22.9                   | .12          | 45.45                      | 54                     | -8.55       | -                   | -              | 312            | 102         | H        |
| 1      | 5.15            | 43.39                | Pk  | 34.2             | -22.9                   | 0            | 54.69                      | -                      | -           | 74                  | -19.31         | 312            | 102         | H        |
| 3      | 5.15            | 33.16                | RMS | 34.2             | -22.9                   | .12          | 44.58                      | 54                     | -9.42       | -                   | -              | 312            | 102         | H        |

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

Pk - Peak detector

RMS - RMS detection

LOW CHANNEL RESTRICTED, VERTICAL



Trace Markers

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF AT0069 (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      | * 5.147         | 41.78                | Pk  | 34.2             | -22.9                  | 0            | 53.08                      | -                      | -           | 74                  | -20.92         | 155            | 105         | V        |
| 4      | * 5.15          | 30.07                | RMS | 34.2             | -22.9                  | .12          | 41.49                      | 54                     | -12.51      | -                   | -              | 155            | 105         | V        |
| 1      | 5.15            | 39.49                | Pk  | 34.2             | -22.9                  | 0            | 50.79                      | -                      | -           | 74                  | -23.21         | 155            | 105         | V        |
| 3      | 5.15            | 29.68                | RMS | 34.2             | -22.9                  | .12          | 41.1                       | 54                     | -12.9       | -                   | -              | 155            | 105         | V        |

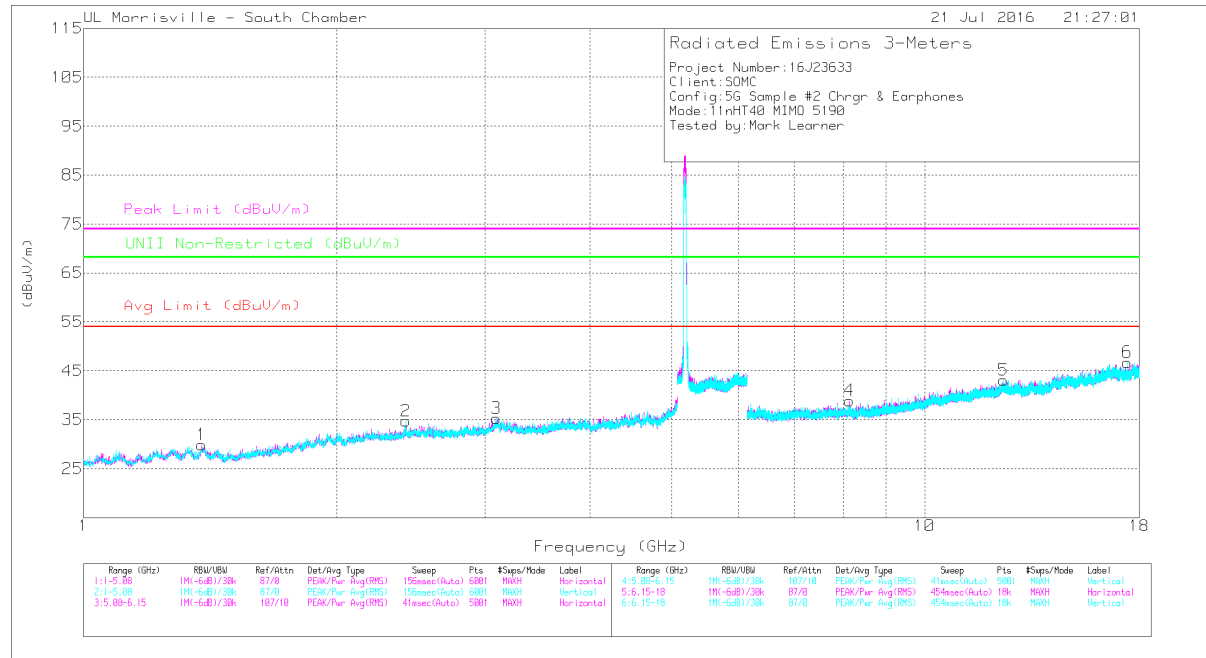
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

**HARMONICS AND SPURIOUS EMISSIONS**

**LOW CHANNEL PLOT**



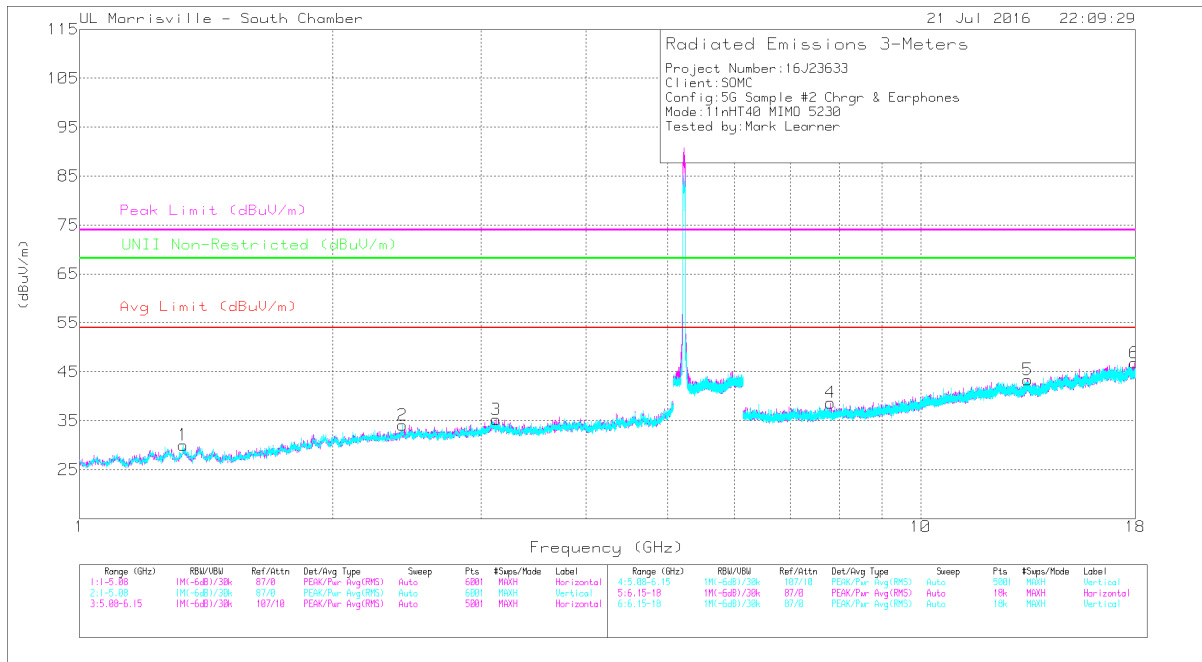
**Trace Markers**

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det  | AF AT0069 (dB/m) | Amp/Cb/Ftr/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      | * 1.381         | 43.1                 | PK-U | 28.8             | -35.2               | 0            | 36.7                       | -                  | -           | 74                  | -37.3          | -                            | -              | 1              | 102         | H        |
|        | * 1.381         | 31.32                | ADR  | 28.8             | -35.2               | 12           | 25.04                      | 54                 | -28.96      | -                   | -              | -                            | -              | 1              | 102         | H        |
| 4      | * 8.148         | 36.79                | PK-U | 35.8             | -28.4               | 0            | 44.19                      | -                  | -           | 74                  | -29.81         | -                            | -              | 151            | 198         | H        |
|        | * 8.148         | 25.54                | ADR  | 35.8             | -28.4               | 12           | 33.06                      | 54                 | -20.94      | -                   | -              | -                            | -              | 151            | 198         | H        |
| 5      | * 12.402        | 34.34                | PK-U | 39               | -24.7               | 0            | 48.64                      | -                  | -           | 74                  | -25.36         | -                            | -              | 186            | 104         | V        |
|        | * 12.404        | 23.68                | ADR  | 39               | -24.8               | 12           | 38                         | 54                 | -16         | -                   | -              | -                            | -              | 186            | 104         | V        |
| 2      | 2.414           | 45.5                 | PK-U | 32.3             | -34.7               | 0            | 43.1                       | -                  | -           | -                   | -              | 68.2                         | -25.1          | 159            | 102         | V        |
| 3      | 3.093           | 41.24                | PK-U | 33.8             | -33.9               | 0            | 41.14                      | -                  | -           | -                   | -              | 68.2                         | -27.06         | 132            | 102         | V        |
| 6      | 17.41           | 35.08                | PK-U | 41.2             | -24.7               | 0            | 51.58                      | -                  | -           | -                   | -              | 68.2                         | -16.62         | 180            | 199         | 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



HIGH CHANNEL PLOT



Trace Markers

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det  | AF AT0069 (dB/m) | Amp/Cb/Ftr/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      | * 1.328         | 43.13                | PK-U | 28.8             | -35.4               | 0            | 36.53                      | -                  | -           | 74                  | -37.47         | -                            | -              | 42             | 104         | V        |
|        | * 1.328         | 31.12                | ADR  | 28.8             | -35.4               | .12          | 24.64                      | 54                 | -29.36      | -                   | -              | -                            | -              | 42             | 104         | V        |
| 6      | * 17.971        | 33.85                | PK-U | 41.3             | -23.5               | 0            | 51.65                      | -                  | -           | 74                  | -22.35         | -                            | -              | 73             | 104         | H        |
|        | * 17.972        | 23.49                | ADR  | 41.3             | -23.5               | .12          | 41.41                      | 54                 | -12.59      | -                   | -              | -                            | -              | 73             | 104         | H        |
| 2      | 2.42            | 42.04                | PK-U | 32.3             | -34.7               | 0            | 39.64                      | -                  | -           | -                   | -              | 68.2                         | -28.56         | 36             | 104         | V        |
| 3      | 3.127           | 40.81                | PK-U | 33.7             | -34                 | 0            | 40.51                      | -                  | -           | -                   | -              | 68.2                         | -27.69         | 1              | 198         | H        |
| 4      | 7.807           | 36.27                | PK-U | 35.8             | -28.5               | 0            | 43.57                      | -                  | -           | -                   | -              | 68.2                         | -24.63         | 46             | 198         | H        |
| 5      | 13.414          | 35.3                 | PK-U | 39               | -24.8               | 0            | 49.5                       | -                  | -           | -                   | -              | 68.2                         | -18.7          | 80             | 104         | H        |

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

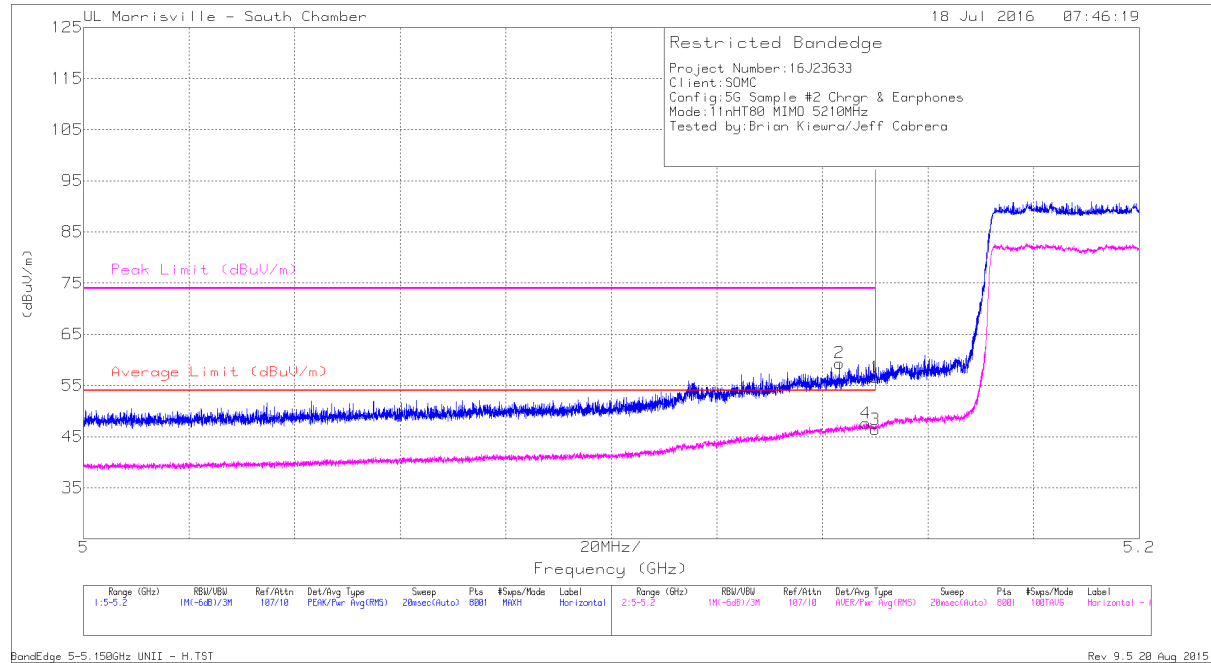
PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

### 9.2.4. TX ABOVE 1 GHz 802.11ac HT80 MODE IN THE 5.2 GHz BAND

#### RESTRICTED BANDEDGE (LOW CHANNEL)

#### CHANNEL PLOT, HORIZONTAL



#### Trace Markers

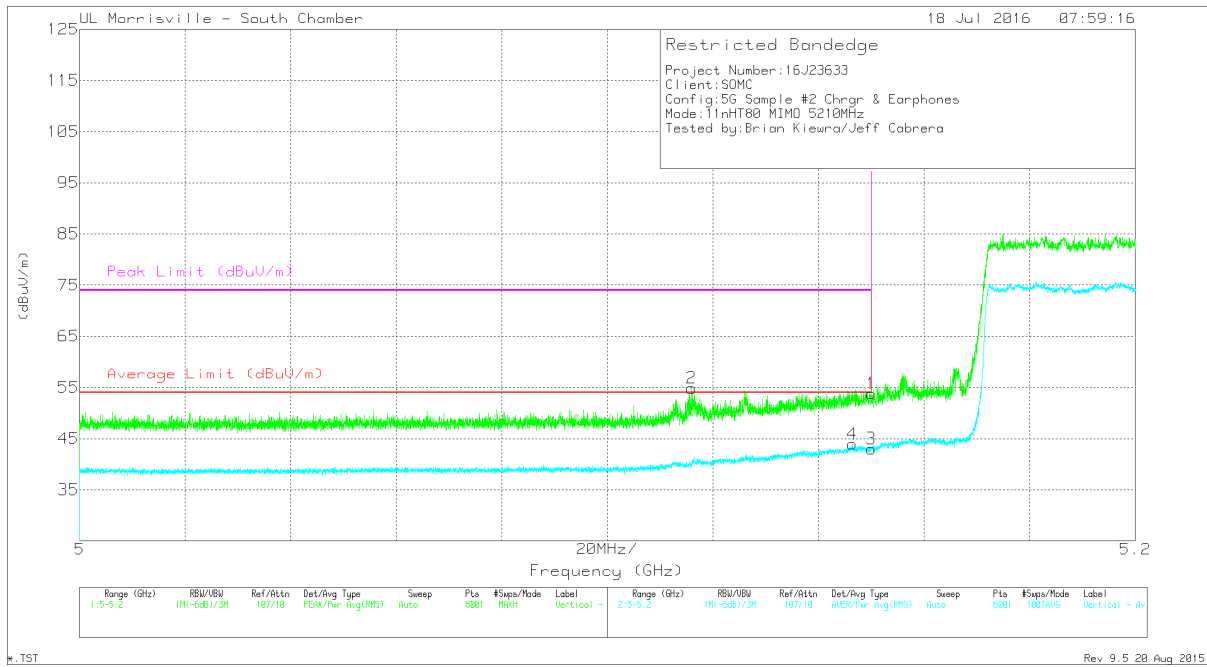
| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF AT0069 (dB/m) | Amp/Cbl/Ftr/Pad (dB) | DC Corr (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|------------------|----------------------|--------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 2      | * 5.143         | 47.98                | Pk  | 34.2             | -22.8                | 0            | 59.38                      | -                      | -           | 74                  | -14.62         | 318            | 109         | H        |
| 4      | * 5.148         | 36.05                | RMS | 34.2             | -22.9                | .26          | 47.61                      | 54                     | -6.39       | -                   | -              | 318            | 109         | H        |
| 1      | 5.15            | 45.31                | Pk  | 34.2             | -22.9                | 0            | 56.61                      | -                      | -           | 74                  | -17.39         | 318            | 109         | H        |
| 3      | 5.15            | 34.87                | RMS | 34.2             | -22.9                | .26          | 46.43                      | 54                     | -7.57       | -                   | -              | 318            | 109         | H        |

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

Pk - Peak detector

RMS - RMS detection

CHANNEL PLOT, VERTICAL



Trace Markers

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF AT0069 (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      | * 5.116         | 43.64                | Pk  | 34.1             | -22.9                  | 0            | 54.84                      | -                      | -           | 74                  | -19.16         | 95             | 113         | V        |
| 4      | * 5.146         | 32.55                | RMS | 34.2             | -22.8                  | .26          | 44.21                      | 54                     | -9.79       | -                   | -              | 95             | 113         | V        |
| 1      | 5.15            | 42.52                | Pk  | 34.2             | -22.9                  | 0            | 53.82                      | -                      | -           | 74                  | -20.18         | 95             | 113         | V        |
| 3      | 5.15            | 31.7                 | RMS | 34.2             | -22.9                  | .26          | 43.26                      | 54                     | -10.74      | -                   | -              | 95             | 113         | V        |

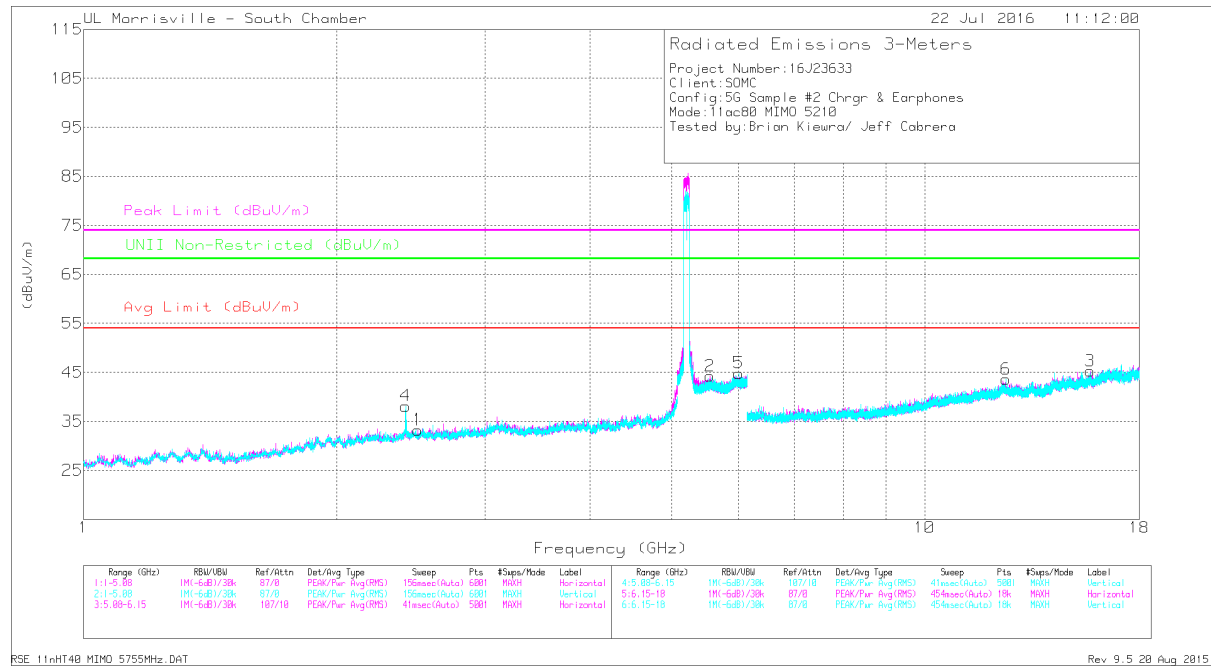
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

**HARMONICS AND SPURIOUS EMISSIONS**

**CHANNEL PLOT**



**Trace Markers**

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF AT0069 (dB/m) | Amp/Ch/Ftr/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) | Asimuth (Deg) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|------------------|---------------------|--------------|----------------------------|--------------------|-------------|---------------------|----------------|------------------------------|----------------|---------------|-------------|----------|
| 1      | * 2.497         | 35.45                | Pk  | 32.5             | -34.7               | 0            | 33.25                      | -                  | -           | 74                  | -40.75         | -                            | -              | 0-360         | 101         | H        |
| 3      | * 15.732        | 29.15                | Pk  | 40.3             | -24.2               | 0            | 45.25                      | -                  | -           | 74                  | -28.75         | -                            | -              | 0-360         | 199         | H        |
| 6      | * 12.501        | 29.49                | Pk  | 39.1             | -25                 | 0            | 43.59                      | -                  | -           | 74                  | -30.41         | -                            | -              | 0-360         | 102         | V        |
| 4      | 2.414           | 40.55                | Pk  | 32.3             | -34.7               | 0            | 38.15                      | -                  | -           | -                   | -              | 68.2                         | -30.05         | 0-360         | 102         | V        |
| 2      | 5.56            | 33.37                | Pk  | 34.6             | -23.7               | 0            | 44.27                      | -                  | -           | -                   | -              | 68.2                         | -23.93         | 0-360         | 199         | H        |
| 5      | 6.01            | 32.83                | Pk  | 35.1             | -23.1               | 0            | 44.83                      | -                  | -           | -                   | -              | 68.2                         | -23.37         | 0-360         | 102         | V        |

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

Pk - Peak detector

**Radiated Emissions**

| Frequency (GHz) | Meter Reading (dBuV) | Det  | AF AT0069 (dB/m) | Amp/Ch/Ftr/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) | Asimuth (Deg) | Height (cm) | Polarity |
|-----------------|----------------------|------|------------------|---------------------|--------------|----------------------------|--------------------|-------------|---------------------|----------------|------------------------------|----------------|---------------|-------------|----------|
| * 2.498         | 41.25                | PK-U | 32.5             | -34.7               | 0            | 39.05                      | -                  | -           | 74                  | -34.95         | -                            | -              | 212           | 102         | H        |
| * 2.497         | 29.55                | ADR  | 32.5             | -34.7               | .26          | 27.61                      | 54                 | -26.39      | -                   | -              | -                            | -              | 212           | 102         | H        |
| * 15.732        | 34.55                | PK-U | 40.3             | -24.2               | 0            | 50.65                      | -                  | -           | 74                  | -23.35         | -                            | -              | 41            | 199         | H        |
| * 15.731        | 23.1                 | ADR  | 40.3             | -24.2               | .26          | 39.46                      | 54                 | -14.54      | -                   | -              | -                            | -              | 41            | 199         | H        |
| * 12.502        | 34.49                | PK-U | 39.1             | -25                 | 0            | 48.59                      | -                  | -           | 74                  | -25.41         | -                            | -              | 240           | 104         | V        |
| * 12.501        | 23.01                | ADR  | 39.1             | -25                 | .26          | 37.37                      | 54                 | -16.63      | -                   | -              | -                            | -              | 240           | 104         | V        |
| 2.414           | 30.6                 | ADR  | 32.3             | -34.7               | .26          | 28.46                      | -                  | -           | -                   | -              | -                            | -              | 282           | 102         | V        |
| 2.415           | 46.08                | PK-U | 32.3             | -34.7               | 0            | 43.68                      | -                  | -           | -                   | -              | 68.2                         | -24.52         | 282           | 102         | V        |
| 5.559           | 38.58                | PK-U | 34.6             | -23.7               | 0            | 49.48                      | -                  | -           | -                   | -              | 68.2                         | -18.72         | 49            | 198         | H        |
| 5.56            | 27.23                | ADR  | 34.6             | -23.7               | .26          | 38.39                      | -                  | -           | -                   | -              | -                            | -              | 49            | 198         | H        |
| 6.009           | 26.55                | ADR  | 35.1             | -23.1               | .26          | 38.81                      | -                  | -           | -                   | -              | -                            | -              | 141           | 104         | V        |
| 6.011           | 38.21                | PK-U | 35.1             | -23.1               | 0            | 50.21                      | -                  | -           | -                   | -              | 68.2                         | -17.99         | 141           | 104         | V        |

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

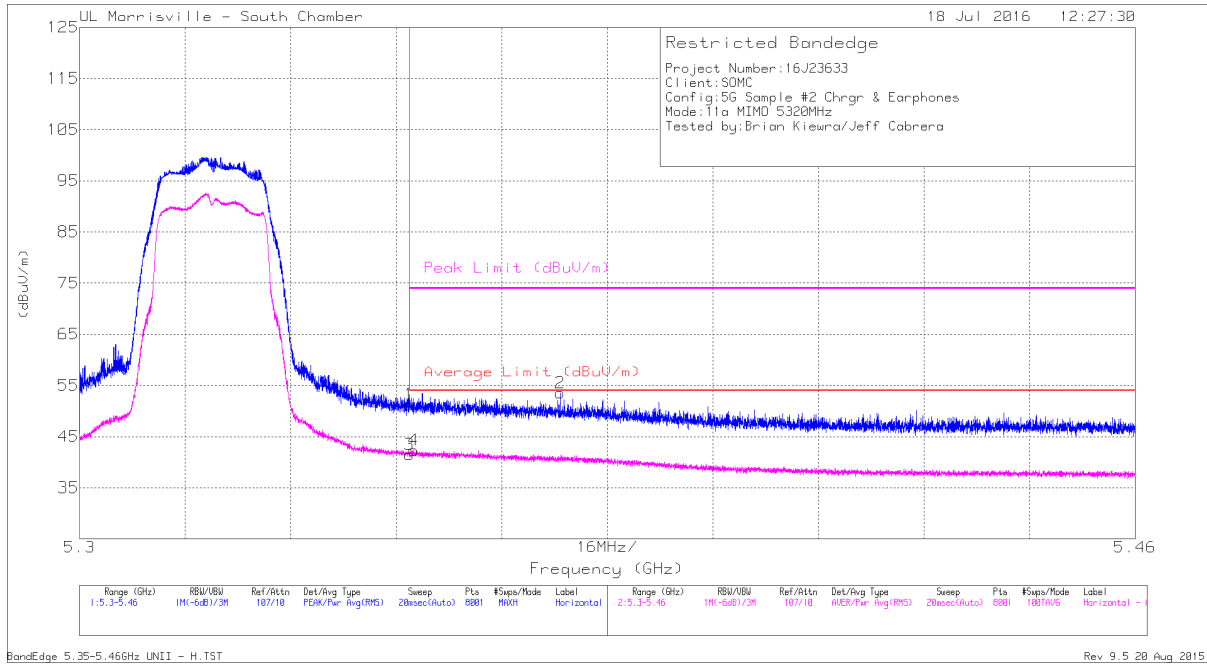
PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

### 9.2.5. TX ABOVE 1 GHz 802.11a MODE IN THE 5.3 GHz BAND

#### AUTHORIZED BANDEGE (HIGH CHANNEL)

#### HIGH CHANNEL BANDEGE, HORIZONTAL



BandEdge 5.35-5.466GHz UNII - H.TST

Rev 9.5 20 Aug 2015

#### Trace Markers

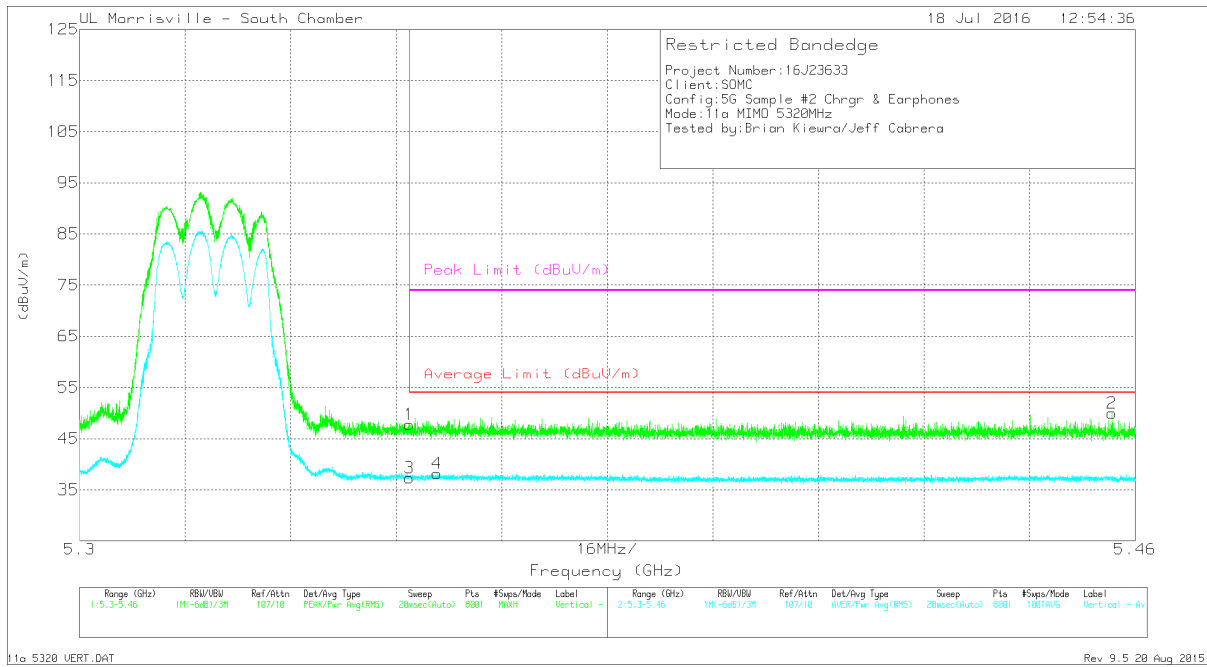
| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF AT0069 (dB/m) | Amp/Cbl/Filtr/Pad (dB) | DC Corr (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|------------------|------------------------|--------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1      | * 5.35          | 40.35                | Pk  | 34.4             | -23.5                  | 0            | 51.25                      | -                      | -           | 74                  | -22.75         | 313            | 110         | H        |
| 2      | * 5.373         | 42.52                | Pk  | 34.5             | -23.5                  | 0            | 53.52                      | -                      | -           | 74                  | -20.48         | 313            | 110         | H        |
| 3      | * 5.35          | 30.61                | RMS | 34.4             | -23.5                  | 0            | 41.51                      | 54                     | -12.49      | -                   | -              | 313            | 110         | H        |
| 4      | * 5.351         | 31.31                | RMS | 34.4             | -23.4                  | 0            | 42.31                      | 54                     | -11.69      | -                   | -              | 313            | 110         | H        |

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

Pk - Peak detector

RMS - RMS detection

HIGH CHANNEL BANDEDGE, VERTICAL



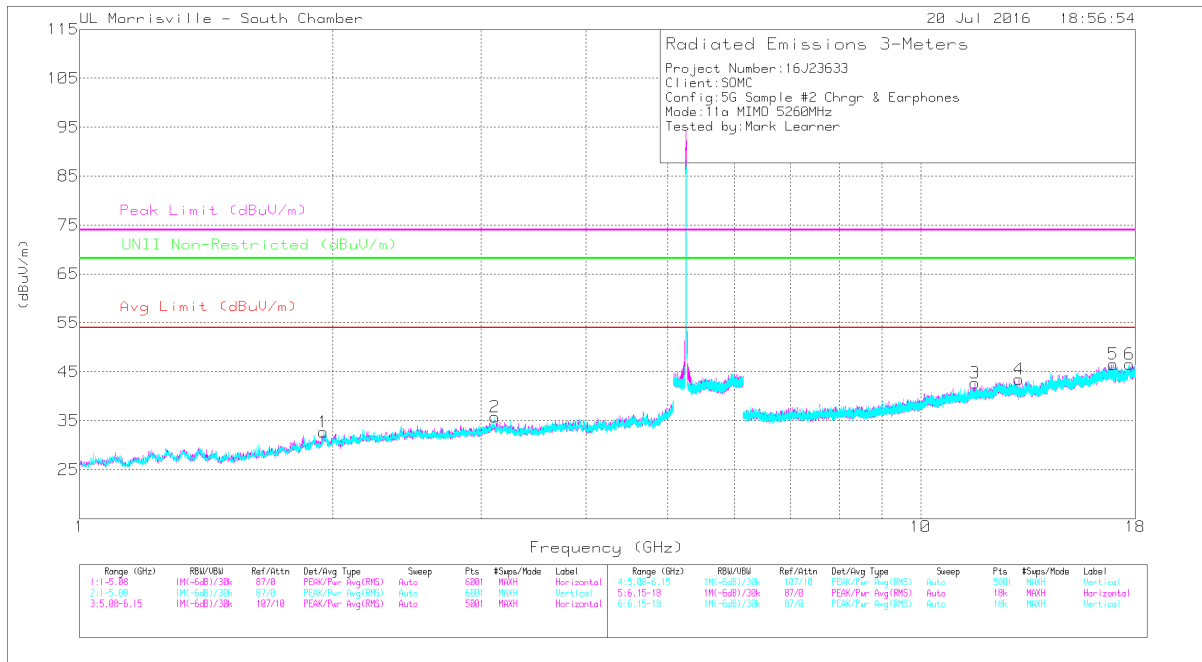
Trace Markers

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF AT0069 (dB/m) | Amp/Cbl/Ftr/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          | 36.88                | Pk  | 34.4             | -23.5                | 0            | 47.78                      | -                      | -           | 74                  | -26.22         | 166            | 108         | V        |
| 2      | * 5.456         | 39.27                | Pk  | 34.6             | -23.9                | 0            | 49.97                      | -                      | -           | 74                  | -24.03         | 166            | 108         | V        |
| 3      | * 5.35          | 26.44                | RMS | 34.4             | -23.5                | 0            | 37.34                      | 54                     | -16.66      | -                   | -              | 166            | 108         | V        |
| 4      | * 5.354         | 27.16                | RMS | 34.4             | -23.4                | 0            | 38.16                      | 54                     | -15.84      | -                   | -              | 166            | 108         | V        |

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

**HARMONICS AND SPURIOUS EMISSIONS**

**LOW CHANNEL PLOT**

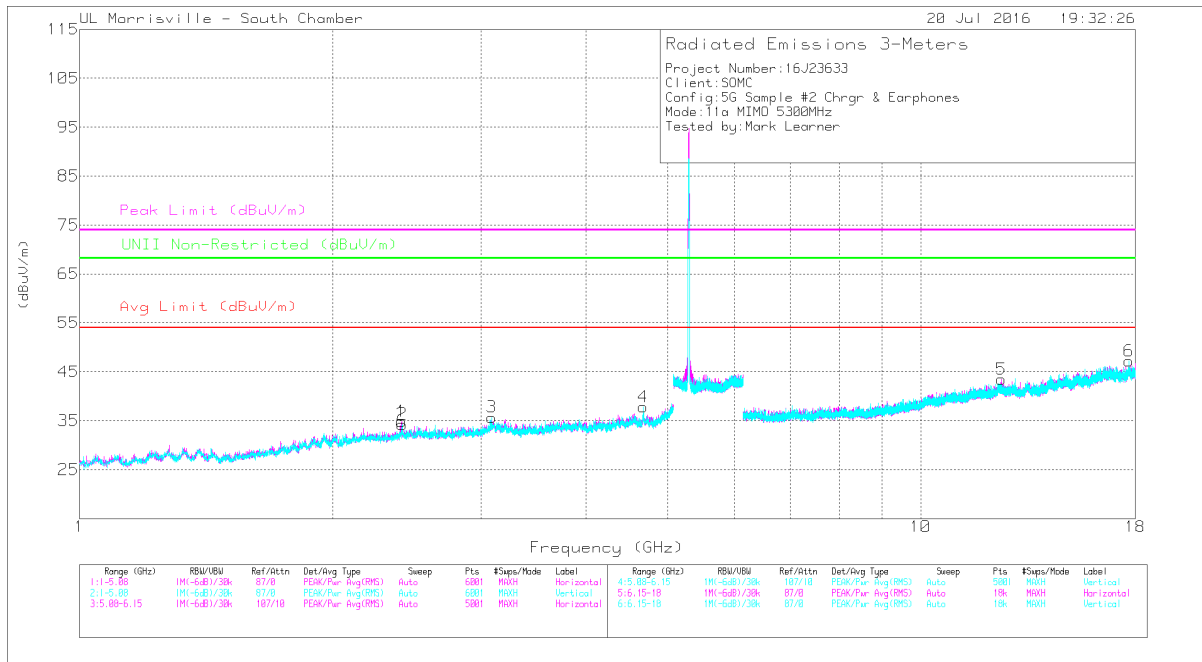


**Trace Markers**

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det  | AF AT0069 (dB/m) | Amp/Cbl/ Fitr/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      | * 11.606        | 34.61                | PK-U | 38.4             | -25.6                  | 0            | 47.41                      | -                  | -           | 74                  | -26.59         | -                            | -              | 241            | 199         | H        |
|        | * 11.606        | 23.15                | ADR  | 38.4             | -25.6                  | 0            | 35.95                      | 54                 | -18.05      | -                   | -              | -                            | -              | 241            | 199         | H        |
| 6      | * 17.713        | 33.94                | PK-U | 41.2             | -23.1                  | 0            | 52.04                      | -                  | -           | 74                  | -21.96         | -                            | -              | 308            | 104         | V        |
|        | * 17.714        | 22.86                | ADR  | 41.2             | -23.1                  | 0            | 40.96                      | 54                 | -13.04      | -                   | -              | -                            | -              | 308            | 104         | V        |
| 1      | 1.949           | 41.99                | PK-U | 31.2             | -34.6                  | 0            | 38.59                      | -                  | -           | -                   | -              | 68.2                         | -29.61         | 360            | 198         | V        |
| 2      | 3.117           | 40.69                | PK-U | 33.8             | -33.9                  | 0            | 40.59                      | -                  | -           | -                   | -              | 68.2                         | -27.61         | 315            | 104         | V        |
| 4      | 13.102          | 34.77                | PK-U | 39.1             | -26                    | 0            | 47.87                      | -                  | -           | -                   | -              | 68.2                         | -20.33         | 183            | 103         | H        |
| 5      | 16.95           | 35.88                | PK-U | 41.5             | -25.7                  | 0            | 51.68                      | -                  | -           | -                   | -              | 68.2                         | -16.52         | 183            | 199         | 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

MID CHANNEL PLOT



Trace Markers

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det  | AF AT0069 (dB/m) | Amp/Cbl/ Fltr/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      | * 4.68          | 39.41                | PK-U | 34.1             | -31.4                  | 0            | 42.11                      | -                  | -           | 74                  | -31.89         | -                            | -              | 234            | 104         | V        |
|        | * 4.678         | 27.79                | ADR  | 34.1             | -31.3                  | 0            | 30.59                      | 54                 | -23.41      | -                   | -              | -                            | -              | 234            | 104         | V        |
| 5      | * 12.483        | 34.54                | PK-U | 39.1             | -25.1                  | 0            | 48.54                      | -                  | -           | 74                  | -25.46         | -                            | -              | 234            | 198         | H        |
|        | * 12.482        | 23.53                | ADR  | 39.1             | -25.1                  | 0            | 37.53                      | 54                 | -16.47      | -                   | -              | -                            | -              | 234            | 198         | H        |
| 6      | * 17.701        | 34.04                | PK-U | 41.2             | -23                    | 0            | 52.24                      | -                  | -           | 74                  | -21.76         | -                            | -              | 81             | 198         | V        |
|        | 17.699          | 23.5                 | ADR  | 41.2             | -23                    | 0            | 41.7                       | -                  | -           | -                   | -              | -                            | -              | 81             | 198         | V        |
| 1      | 2.414           | 43.04                | PK-U | 32.3             | -34.7                  | 0            | 40.64                      | -                  | -           | -                   | -              | 68.2                         | -27.56         | 360            | 198         | H        |
| 2      | 2.419           | 43.59                | PK-U | 32.3             | -34.7                  | 0            | 41.19                      | -                  | -           | -                   | -              | 68.2                         | -27.01         | 77             | 198         | V        |
| 3      | 3.093           | 41.31                | PK-U | 33.8             | -33.9                  | 0            | 41.21                      | -                  | -           | -                   | -              | 68.2                         | -26.99         | 77             | 198         | V        |

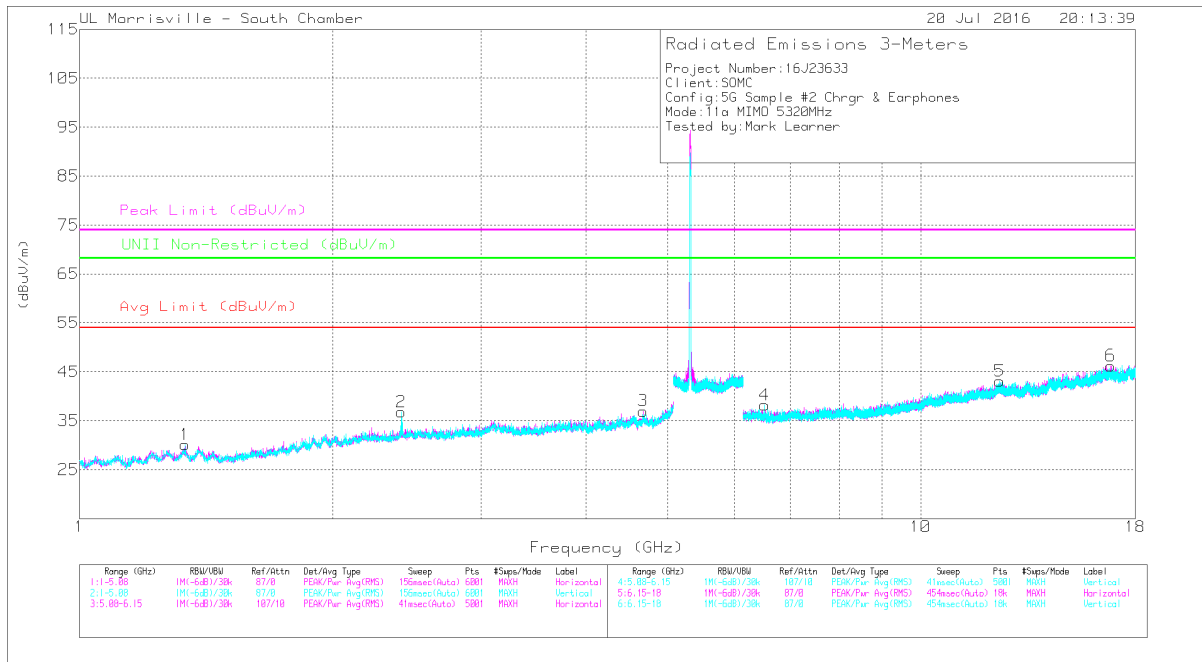
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average



HIGH CHANNEL PLOT



Trace Markers

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det  | AF AT0069 (dB/m) | Amp/Cb/ Fltr/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      | * 4.674         | 39.75                | PK-U | 34.1             | -31.3                 | 0            | 42.55                      | -                  | -           | 74                  | -31.45         | -                            | -              | 1              | 102         | H        |
|        | * 4.676         | 28.39                | ADR  | 34.1             | -31.3                 | 0            | 31.19                      | 54                 | -22.81      | -                   | -              | -                            | -              | 1              | 102         | H        |
| 1      | * 1.334         | 42.55                | PK-U | 28.8             | -35.3                 | 0            | 36.05                      | -                  | -           | 74                  | -37.95         | -                            | -              | 1              | 198         | V        |
|        | * 1.333         | 30.99                | ADR  | 28.8             | -35.3                 | 0            | 24.49                      | 54                 | -29.51      | -                   | -              | -                            | -              | 1              | 198         | V        |
| 5      | * 12.418        | 34.02                | PK-U | 39               | -24.9                 | 0            | 48.12                      | -                  | -           | 74                  | -25.88         | -                            | -              | 1              | 104         | V        |
|        | * 12.419        | 23.83                | ADR  | 39               | -24.9                 | 0            | 37.93                      | 54                 | -16.07      | -                   | -              | -                            | -              | 1              | 104         | V        |
| 2      | 2.414           | 42.95                | PK-U | 32.3             | -34.7                 | 0            | 40.55                      | -                  | -           | -                   | -              | 68.2                         | -27.65         | 1              | 198         | V        |
| 4      | 6.525           | 37                   | PK-U | 35.4             | -29.4                 | 0            | 43                         | -                  | -           | -                   | -              | 68.2                         | -25.2          | 1              | 198         | V        |
| 6      | 16.839          | 35.11                | PK-U | 41.6             | -25.1                 | 0            | 51.61                      | -                  | -           | -                   | -              | 68.2                         | -16.59         | 1              | 198         | H        |

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

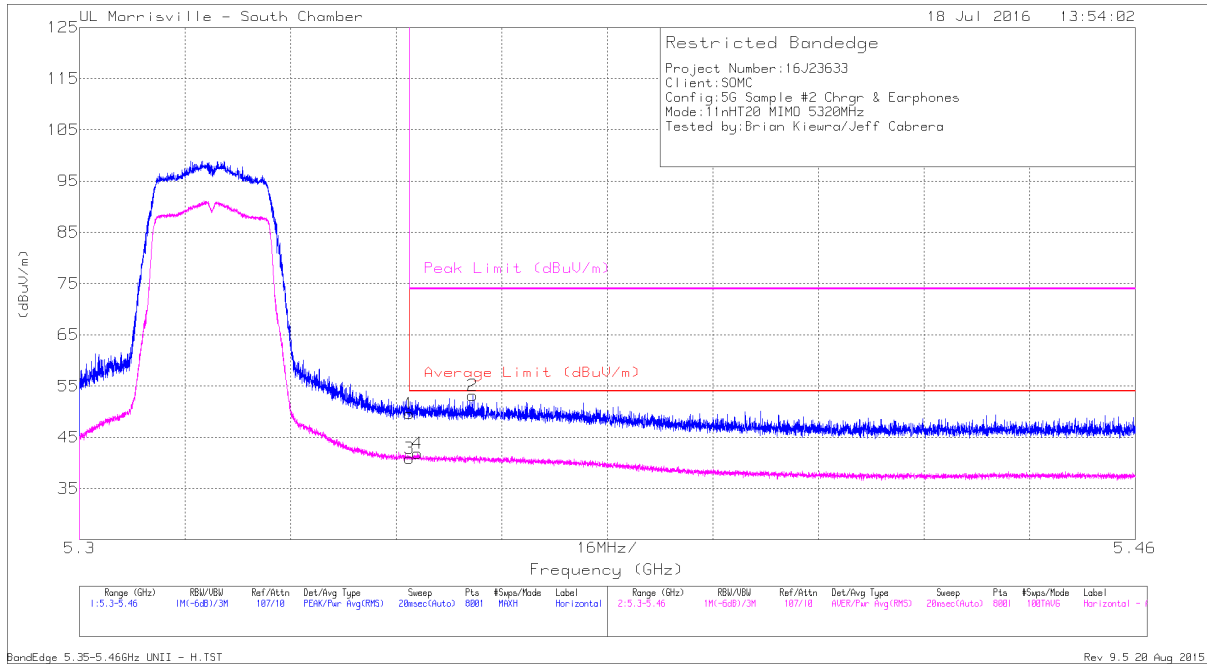
PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

### 9.2.6. TX ABOVE 1 GHz 802.11n HT20 MODE IN THE 5.3 GHz BAND

#### AUTHORIZED BANDEDGE (HIGH CHANNEL)

#### HIGH CHANNEL BANDEDGE, HORIZONTAL



#### Trace Markers

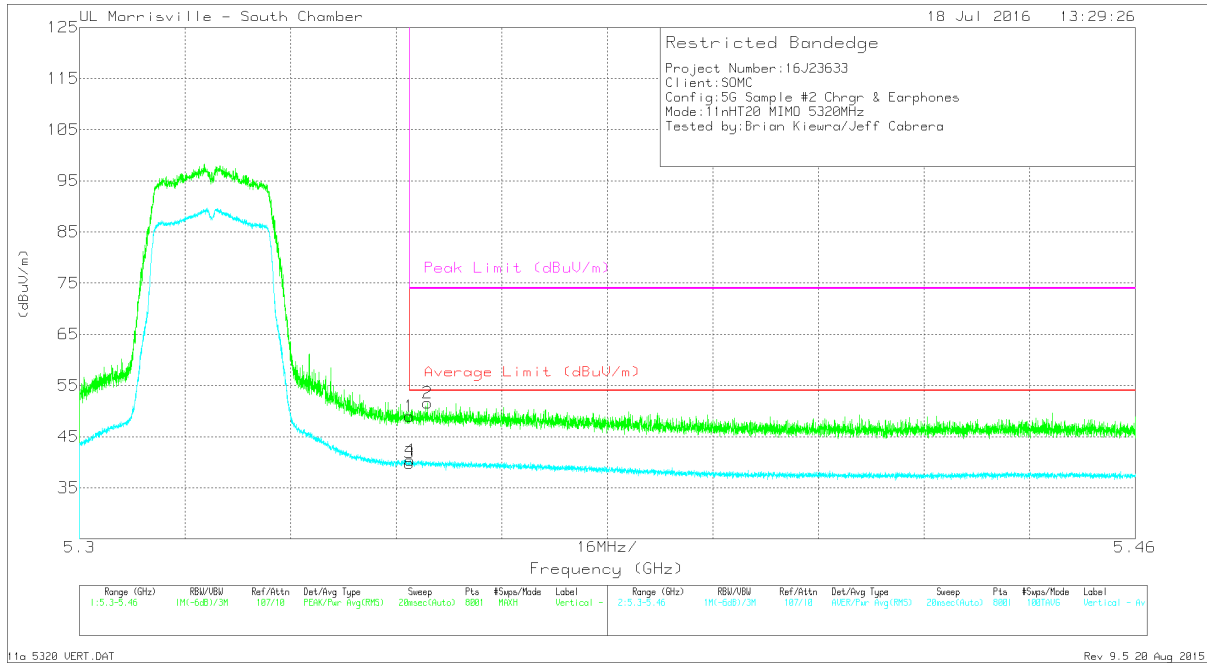
| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF AT0069 (dB/m) | Amp/Cbl/Fltr/Pad (dB) | DC Corr (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|------------------|-----------------------|--------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1      | * 5.35          | 38.69                | Pk  | 34.4             | -23.5                 | 0            | 49.59                      | -                      | -           | 74                  | -24.41         | 331            | 344         | H        |
| 2      | * 5.36          | 42.18                | Pk  | 34.4             | -23.4                 | 0            | 53.18                      | -                      | -           | 74                  | -20.82         | 331            | 344         | H        |
| 3      | * 5.35          | 30                   | RMS | 34.4             | -23.5                 | 0            | 40.9                       | 54                     | -13.1       | -                   | -              | 331            | 344         | H        |
| 4      | * 5.351         | 30.89                | RMS | 34.4             | -23.4                 | 0            | 41.89                      | 54                     | -12.11      | -                   | -              | 331            | 344         | H        |

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

Pk - Peak detector

RMS - RMS detection

HIGH CHANNEL BANDEDGE, VERTICAL



Trace Markers

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF AT0069 (dB/m) | Amp/Cbl/Ftr/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          | 38.08                | Pk  | 34.4             | -23.5                | 0            | 48.98                      | -                      | -           | 74                  | -25.02         | 243            | 325         | V        |
| 2      | * 5.353         | 40.55                | Pk  | 34.4             | -23.4                | 0            | 51.55                      | -                      | -           | 74                  | -22.45         | 243            | 325         | V        |
| 3      | * 5.35          | 28.94                | RMS | 34.4             | -23.5                | 0            | 39.84                      | 54                     | -14.16      | -                   | -              | 243            | 325         | V        |
| 4      | * 5.35          | 29.45                | RMS | 34.4             | -23.5                | 0            | 40.35                      | 54                     | -13.65      | -                   | -              | 243            | 325         | V        |

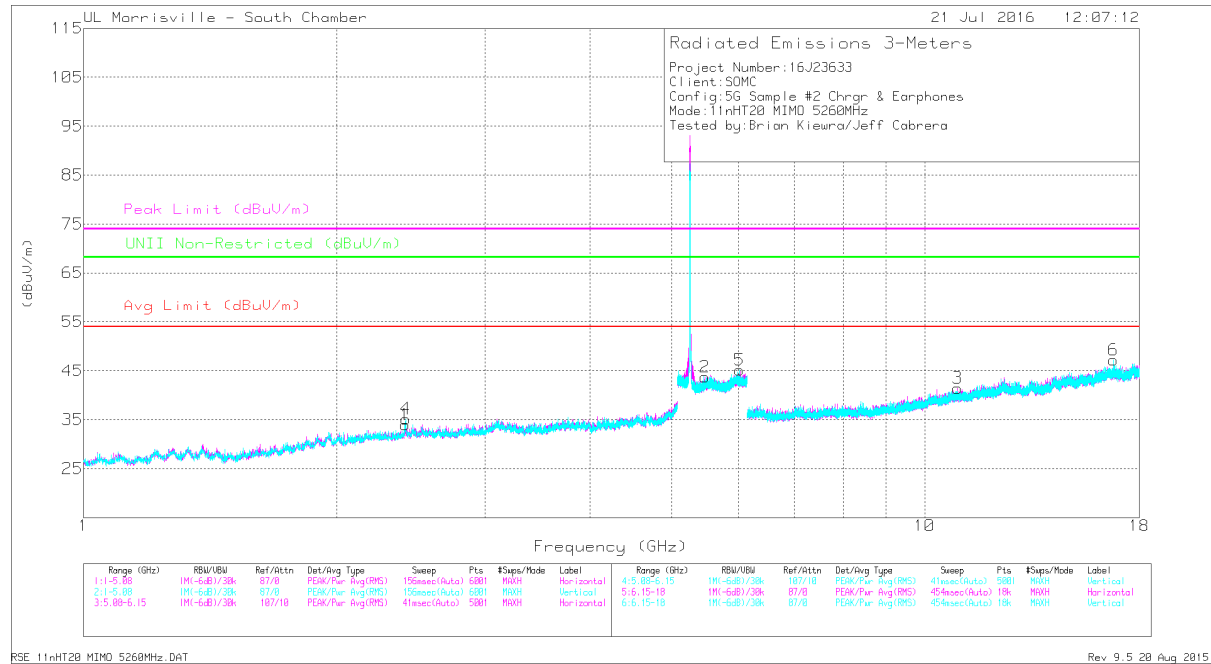
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

**HARMONICS AND SPURIOUS EMISSIONS**

**LOW CHANNEL PLOT**



RSE 11nHT20 MIMO 5260MHz.DAT

Rev 9.5 20 Aug 2015

**Trace Markers**

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF AT0069 (dB/m) | Amp/Ch/Fit/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) | Asmuth (Deg) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|------------------|---------------------|--------------|----------------------------|--------------------|-------------|---------------------|----------------|------------------------------|----------------|--------------|-------------|----------|
| 3      | * 10.944        | 29.38                | Pk  | 38               | -25.9               | 0            | 41.48                      | -                  | -           | 74                  | -32.52         | -                            | -              | 0.360        | 102         | H        |
| 1      | 2.413           | 36.35                | Pk  | 32.3             | -34.7               | 0            | 33.95                      | -                  | -           | -                   | -              | 68.2                         | -34.25         | 0.360        | 199         | H        |
| 4      | 2.416           | 37.58                | Pk  | 32.3             | -34.7               | 0            | 35.18                      | -                  | -           | -                   | -              | 68.2                         | -33.02         | 0.360        | 102         | V        |
| 2      | 5.483           | 33.05                | Pk  | 34.6             | -23.9               | 0            | 43.75                      | -                  | -           | -                   | -              | 68.2                         | -24.45         | 0.360        | 102         | H        |
| 5      | 6.026           | 33.34                | Pk  | 35.1             | -23.3               | 0            | 45.14                      | -                  | -           | -                   | -              | 68.2                         | -23.06         | 0.360        | 102         | V        |
| 6      | 16.774          | 31.22                | Pk  | 41.6             | -25.6               | 0            | 47.22                      | -                  | -           | -                   | -              | 68.2                         | -20.98         | 0.360        | 199         | V        |

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

Pk - Peak detector

**Radiated Emissions**

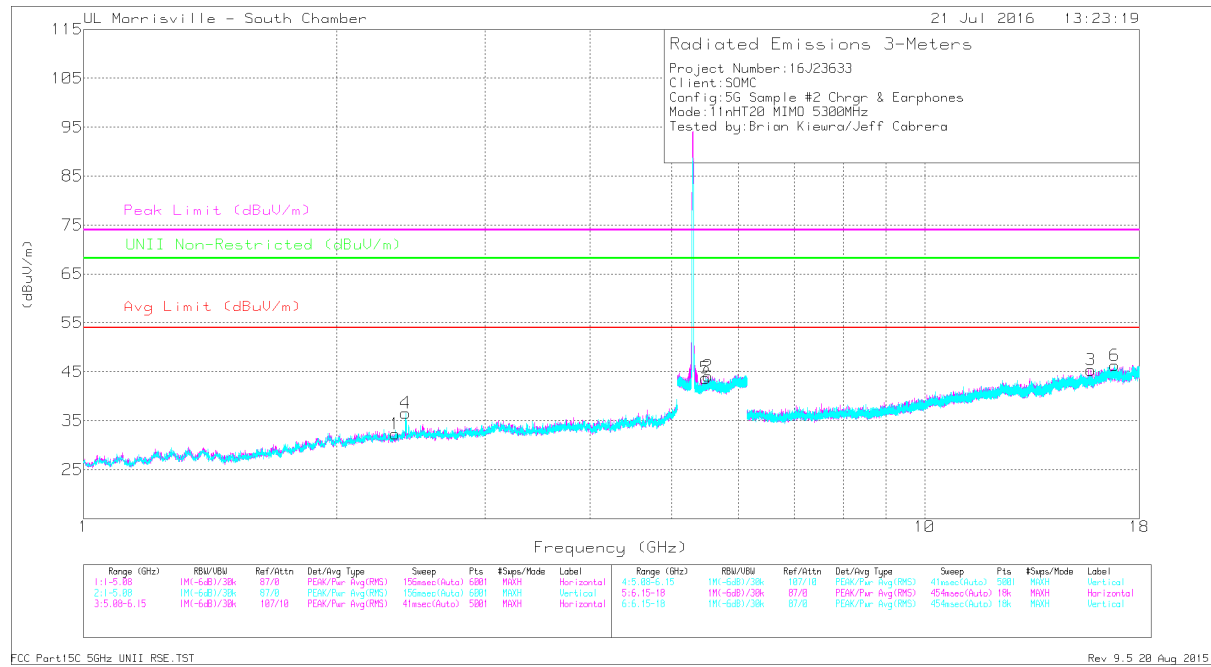
| Frequency (GHz) | Meter Reading (dBuV) | Det  | AF AT0069 (dB/m) | Amp/Ch/Fit/Pad (dB) | DC Corr (dB) | Corrected Reading (dBuV/m) | Avg Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | UNII Non-Restricted (dBuV/m) | PK Margin (dB) | Asmuth (Deg) | Height (cm) | Polarity |
|-----------------|----------------------|------|------------------|---------------------|--------------|----------------------------|--------------------|-------------|---------------------|----------------|------------------------------|----------------|--------------|-------------|----------|
| * 10.944        | 35.39                | PK-U | 38               | -25.9               | 0            | 47.49                      | -                  | -           | 74                  | -26.51         | -                            | -              | 79           | 248         | H        |
| * 10.945        | 23.1                 | ADR  | 38               | -25.9               | 16           | 35.36                      | 54                 | -18.64      | -                   | -              | -                            | -              | 79           | 248         | H        |
| 2.412           | 43.66                | PK-U | 32.3             | -34.7               | 0            | 41.26                      | -                  | -           | -                   | -              | 68.2                         | -26.94         | 279          | 398         | H        |
| 2.412           | 29.98                | ADR  | 32.3             | -34.7               | 16           | 27.74                      | -                  | -           | -                   | -              | -                            | -              | 279          | 398         | H        |
| 2.415           | 45.32                | PK-U | 32.3             | -34.7               | 0            | 42.92                      | -                  | -           | -                   | -              | 68.2                         | -25.28         | 145          | 112         | V        |
| 2.415           | 30.28                | ADR  | 32.3             | -34.7               | 16           | 28.04                      | -                  | -           | -                   | -              | -                            | -              | 145          | 112         | V        |
| 5.484           | 39.46                | PK-U | 34.6             | -23.9               | 0            | 50.16                      | -                  | -           | -                   | -              | 68.2                         | -18.04         | 314          | 157         | H        |
| 5.484           | 27.43                | ADR  | 34.6             | -23.9               | 16           | 38.29                      | -                  | -           | -                   | -              | -                            | -              | 314          | 157         | H        |
| 6.024           | 26.49                | ADR  | 35.1             | -23.3               | 16           | 38.45                      | -                  | -           | -                   | -              | -                            | -              | 56           | 400         | V        |
| 6.027           | 38.49                | PK-U | 35.1             | -23.3               | 0            | 50.29                      | -                  | -           | -                   | -              | 68.2                         | -17.91         | 56           | 400         | V        |
| 16.773          | 35.92                | PK-U | 41.6             | -25.6               | 0            | 51.92                      | -                  | -           | -                   | -              | 68.2                         | -16.28         | 236          | 309         | V        |
| 16.776          | 24.45                | ADR  | 41.6             | -25.6               | 16           | 40.61                      | -                  | -           | -                   | -              | -                            | -              | 236          | 309         | 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

MID CHANNEL PLOT



FCC Part15C 5GHz UNII RSE.TST

Rev 9.5 28 Aug 2015

Trace Markers

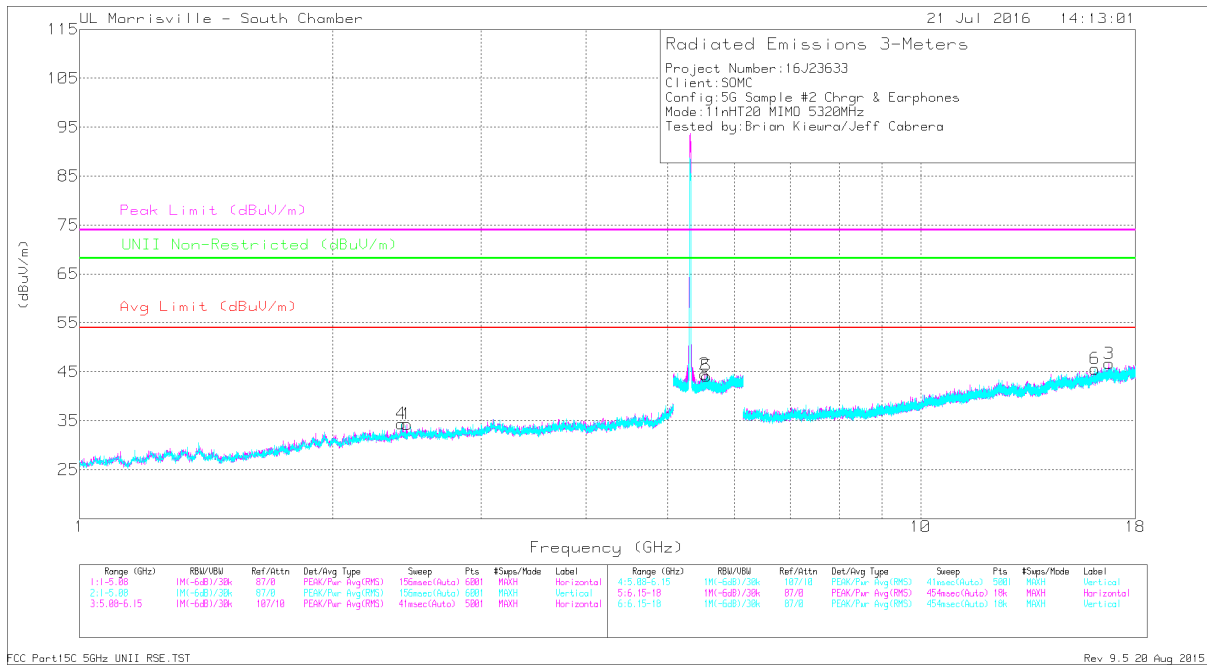
| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det  | AF AT0069 (dB/m) | Amp/Cbl/ Ftr/Pad (dB) | DC Corr (dB) | Corrected Reading (dBuV/m) | Avg Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | UNII Non-Restricted (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|------|------------------|-----------------------|--------------|----------------------------|--------------------|-------------|---------------------|----------------|------------------------------|----------------|----------------|-------------|----------|
| 1      | * 2.346         | 42.04                | PK-U | 31.8             | -34.6                 | 0            | 39.24                      | -                  | -           | 74                  | -34.76         | -                            | -              | 32             | 300         | H        |
|        | * 2.346         | 29.84                | ADR  | 31.8             | -34.6                 | 0            | 27.04                      | 54                 | -26.96      | -                   | -              | -                            | -              | 32             | 300         | H        |
| 3      | * 15.768        | 34.27                | PK-U | 40.3             | -24.3                 | 0            | 50.27                      | -                  | -           | 74                  | -23.73         | -                            | -              | 195            | 139         | H        |
|        | * 15.769        | 23                   | ADR  | 40.3             | -24.3                 | 0            | 39.00                      | 54                 | -15.00      | -                   | -              | -                            | -              | 195            | 139         | H        |
| 4      | 2.416           | 45.24                | PK-U | 32.3             | -34.7                 | 0            | 42.84                      | -                  | -           | -                   | -              | 68.2                         | -25.36         | 141            | 392         | V        |
| 5      | 5.493           | 38.64                | PK-U | 34.6             | -23.9                 | 0            | 49.34                      | -                  | -           | -                   | -              | 68.2                         | -18.86         | 22             | 229         | V        |
| 2      | 5.524           | 38.67                | PK-U | 34.6             | -23.7                 | 0            | 49.57                      | -                  | -           | -                   | -              | 68.2                         | -18.63         | 101            | 239         | H        |
| 6      | 16.825          | 35.09                | PK-U | 41.6             | -25.3                 | 0            | 51.39                      | -                  | -           | -                   | -              | 68.2                         | -16.81         | 15             | 269         | 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

HIGH CHANNEL PLOT



Trace Markers

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det  | AF AT0069 (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 |
|--------|-----------------|----------------------|------|------------------|------------------------|--------------|----------------------------|--------------------|-------------|---------------------|----------------|------------------------------|----------------|----------------|-------------|----------|
| 6      | * 16.117        | 35.81                | PK-U | 40.7             | -26.1                  | 0            | 50.41                      | -                  | -           | 74                  | -23.59         | -                            | -              | 331            | 382         | V        |
|        | * 16.119        | 24.55                | ADR  | 40.7             | -26                    | 0            | 39.25                      | 54                 | -14.75      | -                   | -              | -                            | -              | 331            | 382         | V        |
| 4      | 2.414           | 45.66                | PK-U | 32.3             | -34.7                  | 0            | 43.26                      | -                  | -           | -                   | -              | 68.2                         | -24.94         | 281            | 379         | V        |
| 1      | 2.45            | 41.95                | PK-U | 32.3             | -34.6                  | 0            | 39.65                      | -                  | -           | -                   | -              | 68.2                         | -28.55         | 337            | 237         | H        |
| 2      | 5.535           | 40.16                | PK-U | 34.6             | -23.8                  | 0            | 50.96                      | -                  | -           | -                   | -              | 68.2                         | -17.24         | 321            | 180         | H        |
| 5      | 5.565           | 38.46                | PK-U | 34.6             | -23.7                  | 0            | 49.36                      | -                  | -           | -                   | -              | 68.2                         | -18.84         | 269            | 337         | V        |
| 3      | 16.752          | 35.92                | PK-U | 41.6             | -25.7                  | 0            | 51.82                      | -                  | -           | -                   | -              | 68.2                         | -16.38         | 229            | 351         | H        |

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

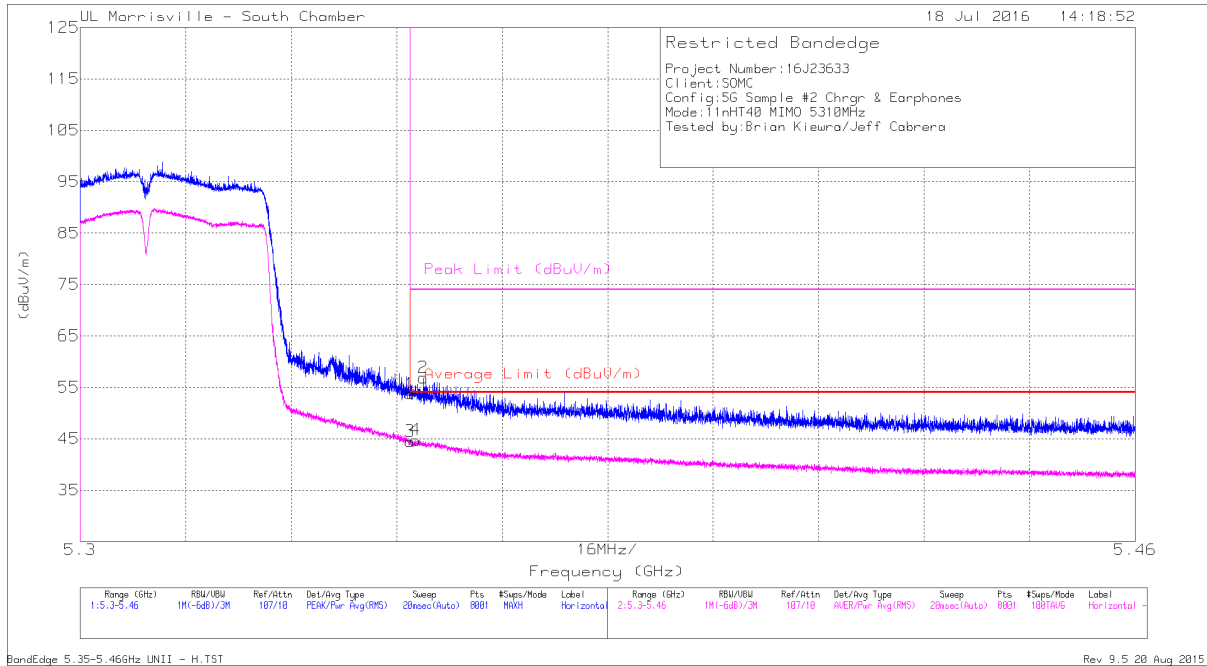
PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

### 9.2.7. TX ABOVE 1 GHz 802.11n HT40 MODE IN THE 5.3 GHz BAND

#### AUTHORIZED BANDEDGE (HIGH CHANNEL)

#### HIGH CHANNEL BANDEDGE, HORIZONTAL



#### Trace Markers

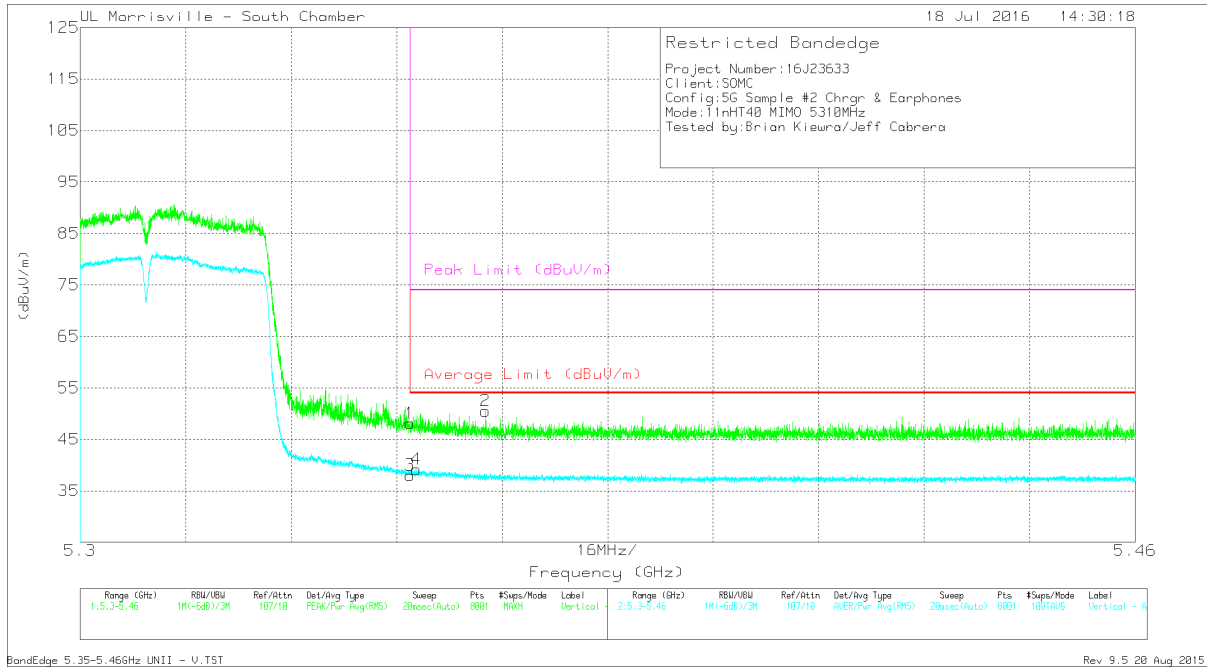
| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF AT0069 (dB/m) | Amp/Cbl /Filtr/Pad (dB) | DC Corr (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|------------------|-------------------------|--------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1      | * 5.35          | 42.82                | Pk  | 34.4             | -23.5                   | 0            | 53.72                      | -                      | -           | 74                  | -20.28         | 322            | 100         | H        |
| 2      | * 5.352         | 45.87                | Pk  | 34.4             | -23.4                   | 0            | 56.87                      | -                      | -           | 74                  | -17.13         | 322            | 100         | H        |
| 3      | * 5.35          | 33.49                | RMS | 34.4             | -23.5                   | .12          | 44.51                      | 54                     | -9.49       | -                   | -              | 322            | 100         | H        |
| 4      | * 5.351         | 33.65                | RMS | 34.4             | -23.4                   | .12          | 44.77                      | 54                     | -9.23       | -                   | -              | 322            | 100         | H        |

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

Pk - Peak detector

RMS - RMS detection

HIGH CHANNEL BANDEDGE, VERTICAL



Trace Markers

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF AT0069 (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          | 37.23                | Pk  | 34.4             | -23.5                  | 0            | 48.13                      | -                      | -           | 74                  | -25.87         | 159            | 103         | V        |
| 2      | * 5.362         | 39.52                | Pk  | 34.4             | -23.4                  | 0            | 50.52                      | -                      | -           | 74                  | -23.48         | 159            | 103         | V        |
| 3      | * 5.35          | 27                   | RMS | 34.4             | -23.5                  | .12          | 38.02                      | 54                     | -15.98      | -                   | -              | 159            | 103         | V        |
| 4      | * 5.351         | 28.04                | RMS | 34.4             | -23.4                  | .12          | 39.16                      | 54                     | -14.84      | -                   | -              | 159            | 103         | V        |

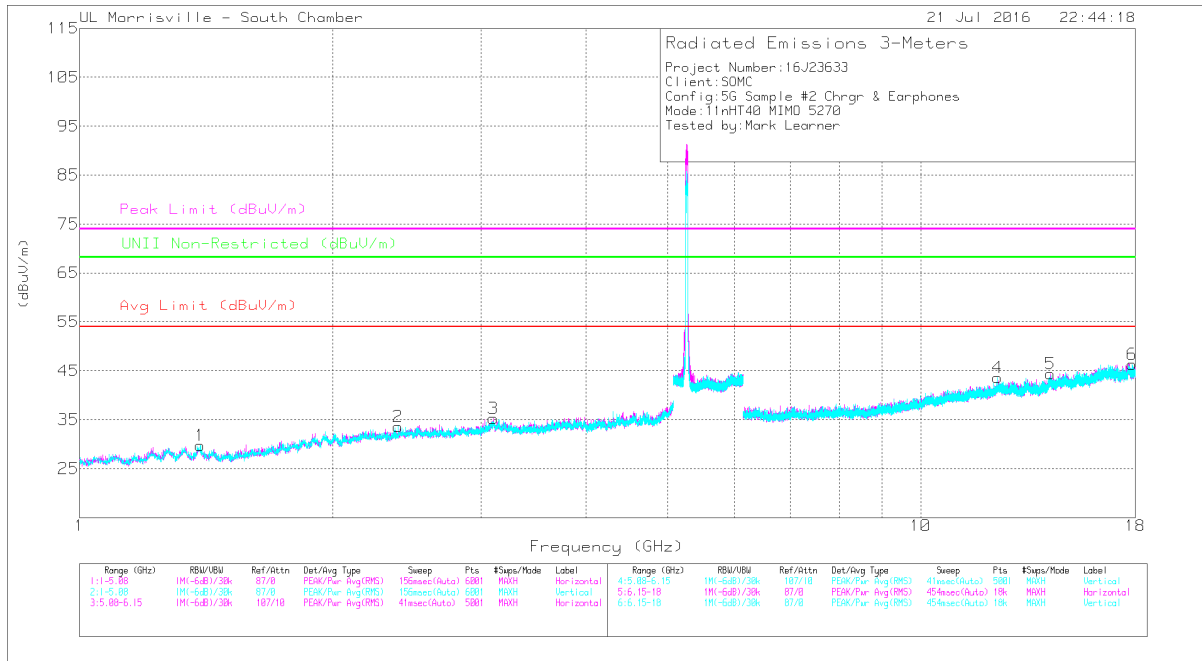
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection



**HARMONICS AND SPURIOUS EMISSIONS**  
**LOW CHANNEL PLOT**

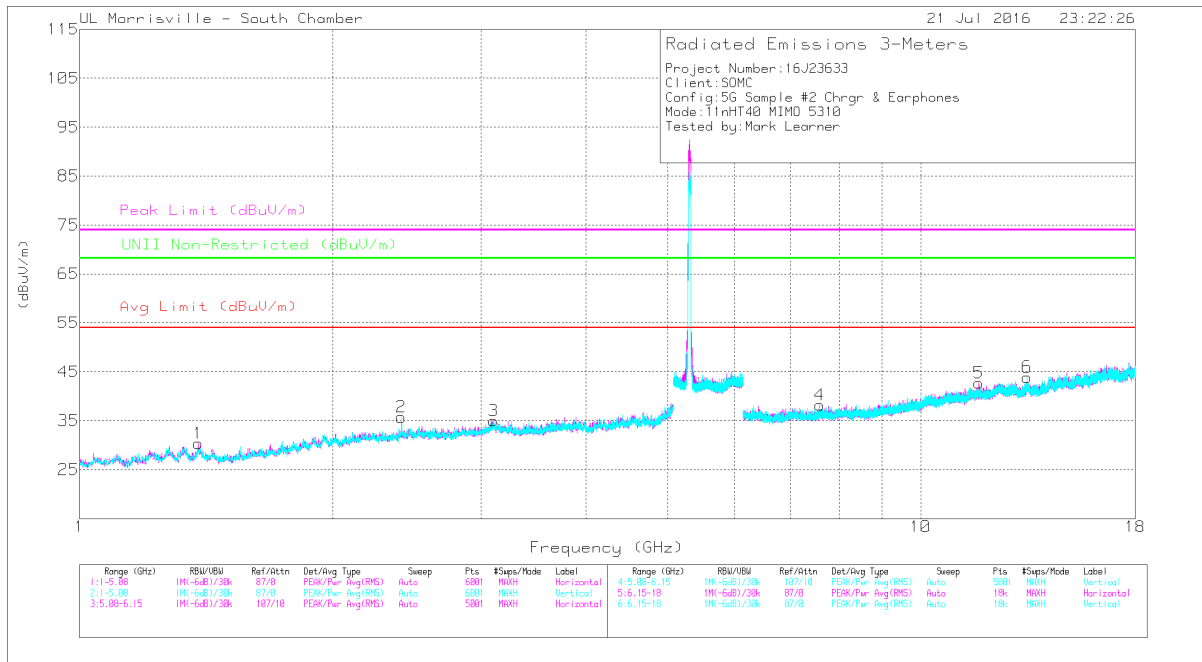


**Trace Markers**

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det  | AF AT0069 (dB/m) | Amp/CM/Fit/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) | Altitude (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|------|------------------|---------------------|--------------|----------------------------|--------------------|-------------|---------------------|----------------|------------------------------|----------------|-----------------|-------------|----------|
| 1      | * 1.389         | 42.41                | PK-U | 28.8             | -35.2               | 0            | 35.01                      | -                  | -           | 74                  | -37.99         | -                            | -              | 123             | 103         | V        |
|        | * 1.389         | 30.66                | ADR  | 28.8             | -35.2               | 12           | 24.38                      | 54                 | -29.62      | -                   | -              | -                            | -              | 123             | 103         | V        |
| 4      | * 12.347        | 34.89                | PK-U | 39               | -25.1               | 0            | 48.79                      | -                  | -           | 74                  | -25.21         | -                            | -              | 143             | 103         | V        |
|        | * 12.346        | 23.84                | ADR  | 39               | -25.1               | 12           | 37.85                      | 54                 | -16.14      | -                   | -              | -                            | -              | 143             | 103         | V        |
| 6      | * 17.842        | 34.42                | PK-U | 41.2             | -23.4               | 0            | 52.22                      | -                  | -           | 74                  | -21.78         | -                            | -              | 130             | 103         | V        |
|        | * 17.84         | 23.6                 | ADR  | 41.2             | -23.3               | 12           | 41.62                      | 54                 | -12.38      | -                   | -              | -                            | -              | 130             | 103         | V        |
| 2      | 2.392           | 41.8                 | PK-U | 32.2             | -34.8               | 0            | 39.2                       | -                  | -           | -                   | -              | 68.2                         | -29            | 116             | 103         | V        |
| 3      | 3.105           | 42.6                 | PK-U | 33.9             | -33.9               | 0            | 42.6                       | -                  | -           | -                   | -              | 68.2                         | -25.6          | 0               | 198         | H        |
| 5      | 14.267          | 34.78                | PK-U | 39.3             | -24                 | 0            | 50.08                      | -                  | -           | -                   | -              | 68.2                         | -18.12         | 137             | 103         | 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

HIGH CHANNEL PLOT



Trace Markers

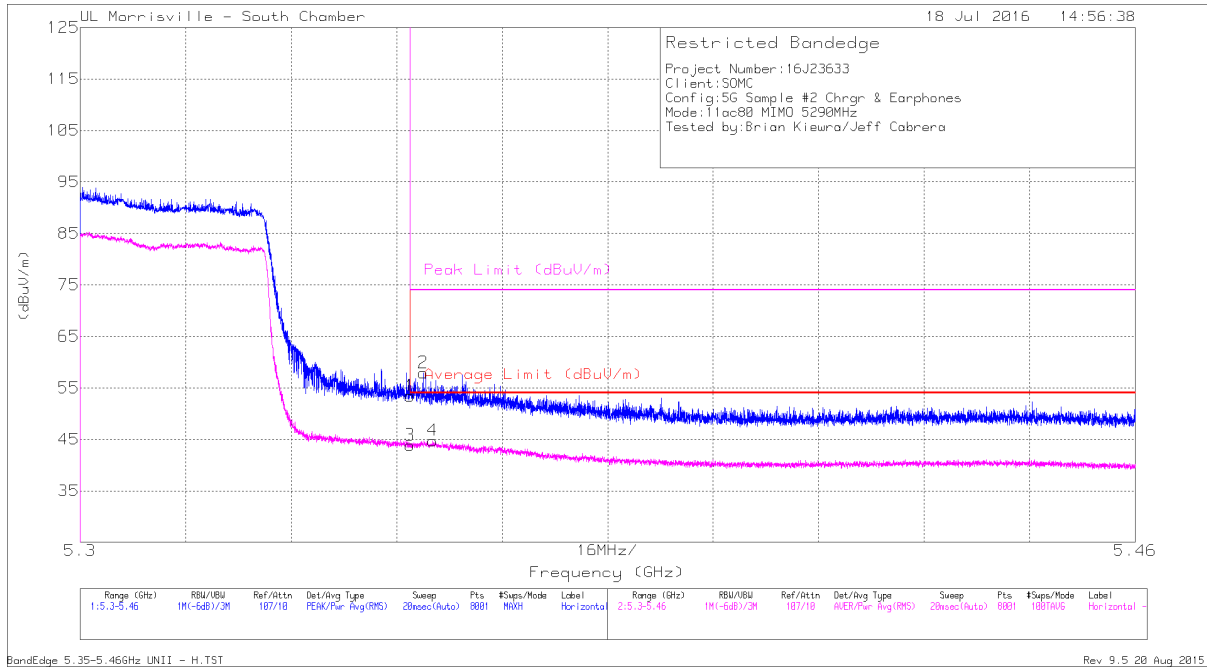
| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det  | AF AT0069 (dB/m) | Amp/Ch/Filt/Pad (dB) | DC Corr (dB) | Corrected Reading (dBuV/m) | Avg Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | UNII Non-Restricted (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|------|------------------|----------------------|--------------|----------------------------|--------------------|-------------|---------------------|----------------|------------------------------|----------------|----------------|-------------|----------|
| 1      | * 1.385         | 43.5                 | PK-U | 28.8             | -35.2                | 0            | 37.1                       | -                  | -           | 74                  | -36.9          | -                            | -              | 1              | 102         | H        |
|        | * 1.384         | 31.28                | ADR  | 28.8             | -35.2                | .12          | 25                         | 54                 | -29         | -                   | -              | -                            | -              | 1              | 102         | H        |
| 4      | * 7.587         | 36.2                 | PK-U | 35.7             | -28.4                | 0            | 43.5                       | -                  | -           | 74                  | -30.5          | -                            | -              | 199            | 104         | H        |
|        | * 7.588         | 24.79                | ADR  | 35.7             | -28.4                | .12          | 32.21                      | 54                 | -21.79      | -                   | -              | -                            | -              | 199            | 104         | H        |
| 5      | * 11.724        | 34.02                | PK-U | 38.6             | -25.4                | 0            | 47.22                      | -                  | -           | 74                  | -26.78         | -                            | -              | 54             | 104         | H        |
|        | * 11.724        | 23.49                | ADR  | 38.6             | -25.4                | .12          | 36.81                      | 54                 | -17.19      | -                   | -              | -                            | -              | 54             | 104         | H        |
| 6      | * 13.388        | 34.72                | PK-U | 39               | -24.9                | 0            | 48.82                      | -                  | -           | 74                  | -25.18         | -                            | -              | 82             | 104         | V        |
|        | * 13.389        | 24.35                | ADR  | 39               | -24.9                | .12          | 38.57                      | 54                 | -15.43      | -                   | -              | -                            | -              | 82             | 104         | V        |
| 2      | 2.415           | 43.43                | PK-U | 32.3             | -34.7                | 0            | 41.03                      | -                  | -           | -                   | -              | 68.2                         | -27.17         | 42             | 199         | V        |
| 3      | 3.108           | 41.12                | PK-U | 33.9             | -33.9                | 0            | 41.12                      | -                  | -           | -                   | -              | 68.2                         | -27.08         | 37             | 104         | 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

### 9.2.8. TX ABOVE 1 GHz 802.11ac HT80 MODE IN THE 5.3 GHz BAND

#### RESTRICTED BANDEDGE (HIGH CHANNEL)

#### CHANNEL PLOT, HORIZONTAL



#### Trace Markers

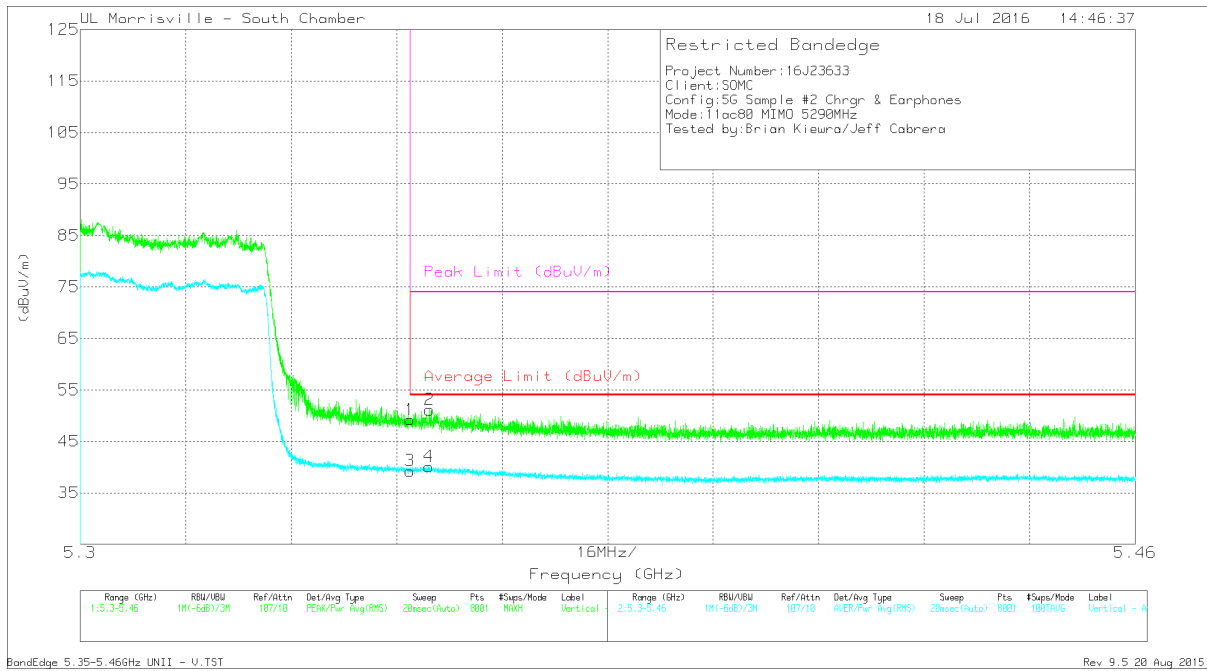
| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF AT0069 (dB/m) | Amp/Cbl/Filtr/Pad (dB) | DC Corr (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|------------------|------------------------|--------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1      | * 5.35          | 42.56                | Pk  | 34.4             | -23.5                  | 0            | 53.46                      | -                      | -           | 74                  | -20.54         | 323            | 106         | H        |
| 2      | * 5.352         | 46.94                | Pk  | 34.4             | -23.4                  | 0            | 57.94                      | -                      | -           | 74                  | -16.06         | 323            | 106         | H        |
| 3      | * 5.35          | 32.72                | RMS | 34.4             | -23.5                  | .26          | 43.88                      | 54                     | -10.12      | -                   | -              | 323            | 106         | H        |
| 4      | * 5.354         | 33.5                 | RMS | 34.4             | -23.4                  | .26          | 44.76                      | 54                     | -9.24       | -                   | -              | 323            | 106         | H        |

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

Pk - Peak detector

RMS - RMS detection

CHANNEL PLOT, VERTICAL



Trace Markers

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF AT0069 (dB/m) | Amp/Cbl/Ftr/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          | 38.32                | Pk  | 34.4             | -23.5                | 0            | 49.22                      | -                      | -           | 74                  | -24.78         | 164            | 104         | V        |
| 2      | * 5.353         | 40.14                | Pk  | 34.4             | -23.4                | 0            | 51.14                      | -                      | -           | 74                  | -22.86         | 164            | 104         | V        |
| 3      | * 5.35          | 28.11                | RMS | 34.4             | -23.5                | .26          | 39.27                      | 54                     | -14.73      | -                   | -              | 164            | 104         | V        |
| 4      | * 5.353         | 28.85                | RMS | 34.4             | -23.4                | .26          | 40.11                      | 54                     | -13.89      | -                   | -              | 164            | 104         | V        |

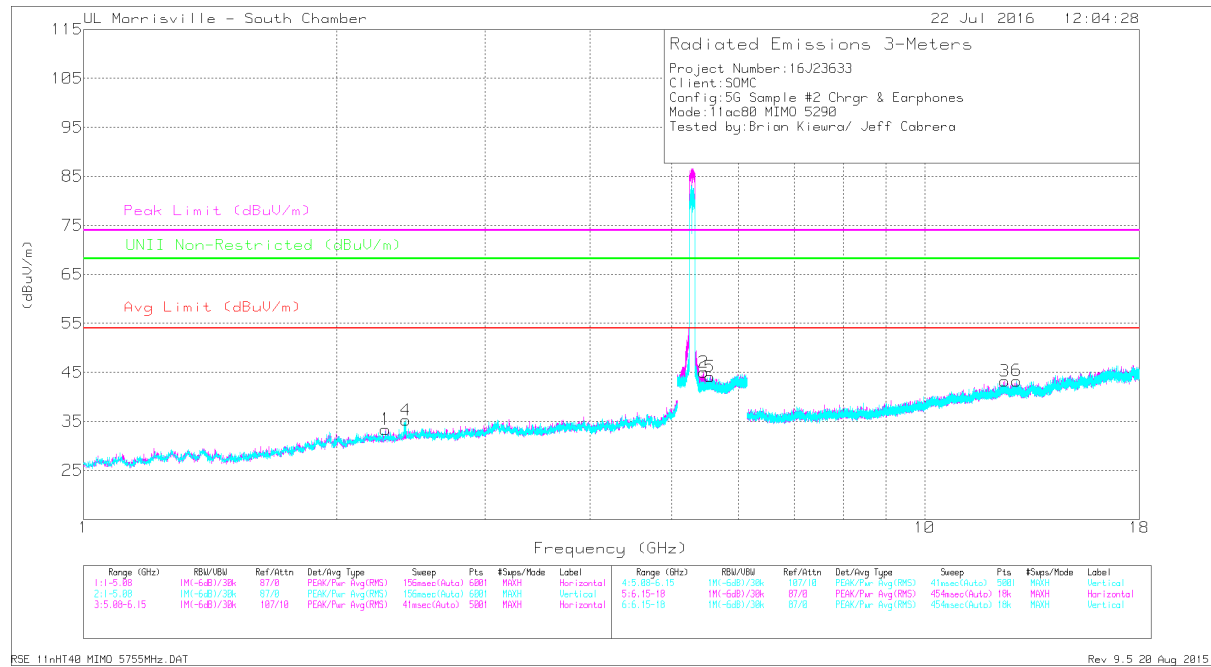
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

**HARMONICS AND SPURIOUS EMISSIONS**

**CHANNEL PLOT**



**Trace Markers**

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF AT0069 (dB/m) | Amp/Ch/Ftr/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) | Asimuth (Deg) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|------------------|---------------------|--------------|----------------------------|--------------------|-------------|---------------------|----------------|------------------------------|----------------|---------------|-------------|----------|
| 1      | * 2.285         | 36.37                | Pk  | 31.7             | -34.7               | 0            | 33.37                      | -                  | -           | 74                  | -40.63         | -                            | -              | 0-360         | 199         | H        |
| 2      | * 5.46          | 34.32                | Pk  | 34.6             | -23.9               | 0            | 45.02                      | -                  | -           | 74                  | -28.98         | -                            | -              | 0-360         | 102         | H        |
| 3      | * 12.459        | 29.04                | Pk  | 39.1             | -24.9               | 0            | 43.24                      | -                  | -           | 74                  | -30.76         | -                            | -              | 0-360         | 199         | H        |
| 4      | 2.415           | 37.62                | Pk  | 32.3             | -34.7               | 0            | 35.22                      | -                  | -           | -                   | -              | 68.2                         | -32.98         | 0-360         | 102         | V        |
| 5      | 5.558           | 33.2                 | Pk  | 34.6             | -23.7               | 0            | 44.1                       | -                  | -           | -                   | -              | 68.2                         | -24.1          | 0-360         | 199         | V        |
| 6      | 12.869          | 29.69                | Pk  | 39.3             | -25.7               | 0            | 43.29                      | -                  | -           | -                   | -              | 68.2                         | -24.91         | 0-360         | 102         | V        |

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

Pk - Peak detector

**Radiated Emissions**

| Frequency (GHz) | Meter Reading (dBuV) | Det  | AF AT0069 (dB/m) | Amp/Ch/Ftr/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) | Asimuth (Deg) | Height (cm) | Polarity |
|-----------------|----------------------|------|------------------|---------------------|--------------|----------------------------|--------------------|-------------|---------------------|----------------|------------------------------|----------------|---------------|-------------|----------|
| * 2.286         | 42.36                | PK-U | 31.7             | -34.7               | 0            | 39.36                      | -                  | -           | 74                  | -34.64         | -                            | -              | 69            | 199         | H        |
| * 2.286         | 29.93                | ADR  | 31.7             | -34.7               | 26           | 27.19                      | 54                 | -26.81      | -                   | -              | -                            | -              | 69            | 199         | H        |
| * 5.351         | 46.03                | PK-U | 34.4             | -23.4               | 0            | 57.03                      | -                  | -           | 74                  | -16.97         | -                            | -              | 316           | 103         | H        |
| * 5.352         | 32.62                | ADR  | 34.4             | -23.4               | 26           | 43.88                      | 54                 | -10.12      | -                   | -              | -                            | -              | 316           | 103         | H        |
| * 12.458        | 34.9                 | PK-U | 39.1             | -24.8               | 0            | 49.2                       | -                  | -           | 74                  | -24.8          | -                            | -              | 114           | 199         | H        |
| * 12.461        | 22.87                | ADR  | 39.1             | -24.9               | 26           | 37.33                      | 54                 | -16.67      | -                   | -              | -                            | -              | 114           | 199         | H        |
| 2.413           | 30.2                 | ADR  | 32.3             | -34.7               | 26           | 28.06                      | -                  | -           | -                   | -              | -                            | -              | 40            | 103         | V        |
| 2.414           | 44.41                | PK-U | 32.3             | -34.7               | 0            | 42.01                      | -                  | -           | -                   | -              | 68.2                         | -26.19         | 40            | 103         | V        |
| 5.557           | 38.88                | PK-U | 34.6             | -23.7               | 0            | 49.78                      | -                  | -           | -                   | -              | 68.2                         | -18.42         | 214           | 199         | V        |
| 5.558           | 27.22                | ADR  | 34.6             | -23.7               | 26           | 38.38                      | -                  | -           | -                   | -              | -                            | -              | 214           | 199         | V        |
| 12.869          | 35.02                | PK-U | 39.3             | -25.7               | 0            | 48.62                      | -                  | -           | -                   | -              | 68.2                         | -19.58         | 320           | 104         | V        |
| 12.87           | 23.51                | ADR  | 39.3             | -25.7               | 26           | 37.37                      | -                  | -           | -                   | -              | -                            | -              | 320           | 104         | V        |

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

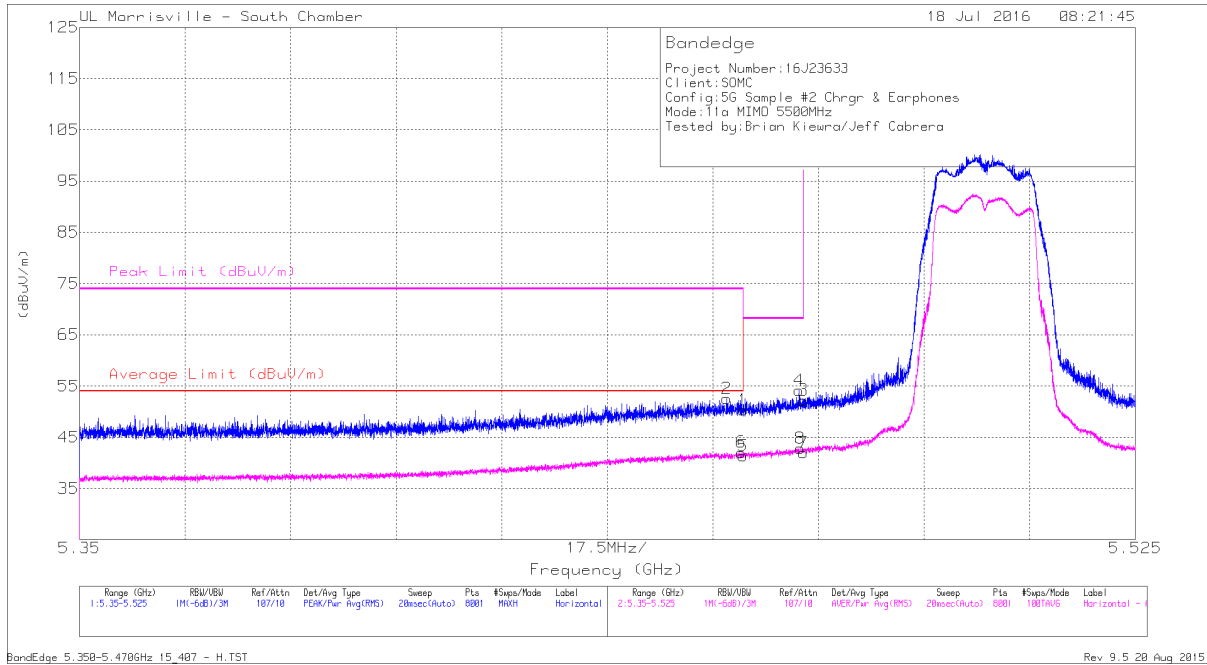
PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

### 9.2.9. TX ABOVE 1 GHz 802.11a MODE IN THE 5.6 GHz BAND

#### RESTRICTED BANDEDGE (LOW CHANNEL)

#### LOW CHANNEL RESTRICTED, HORIZONTAL



#### Trace Markers

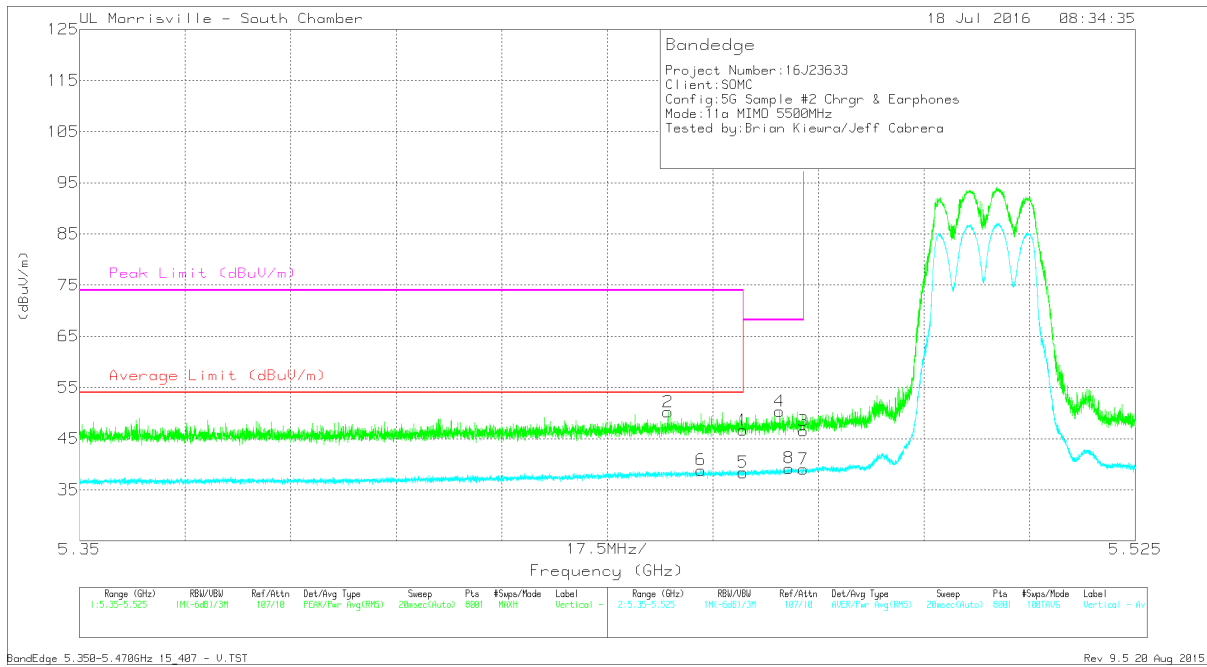
| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF AT0069 (dB/m) | Amp/Cbl /Filtr/Pad (dB) | DC Corr (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|------------------|-------------------------|--------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1      | * 5.46          | 39.67                | Pk  | 34.6             | -23.9                   | 0            | 50.37                      | -                      | -           | 74                  | -23.63         | 313            | 111         | H        |
| 2      | * 5.457         | 41.87                | Pk  | 34.6             | -23.9                   | 0            | 52.57                      | -                      | -           | 74                  | -21.43         | 313            | 111         | H        |
| 5      | * 5.46          | 30.68                | RMS | 34.6             | -23.9                   | 0            | 41.38                      | 54                     | -12.62      | -                   | -              | 313            | 111         | H        |
| 6      | * 5.46          | 31.35                | RMS | 34.6             | -23.9                   | 0            | 42.05                      | 54                     | -11.95      | -                   | -              | 313            | 111         | H        |
| 4      | 5.469           | 43.45                | Pk  | 34.6             | -23.9                   | 0            | 54.15                      | -                      | -           | 68.2                | -14.05         | 313            | 111         | H        |
| 8      | 5.469           | 32.12                | RMS | 34.6             | -23.9                   | 0            | 42.82                      | -                      | -           | -                   | -              | 313            | 111         | H        |
| 3      | 5.47            | 41.53                | Pk  | 34.6             | -23.9                   | 0            | 52.23                      | -                      | -           | 68.2                | -15.97         | 313            | 111         | H        |
| 7      | 5.47            | 31.27                | RMS | 34.6             | -23.9                   | 0            | 41.97                      | -                      | -           | -                   | -              | 313            | 111         | H        |

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

Pk - Peak detector

RMS - RMS detection

LOW CHANNEL RESTRICTED, VERTICAL



Trace Markers

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF AT0069 (dB/m) | Amp/Cbl/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      | * 5.46          | 35.96                | Pk  | 34.6             | -23.9                 | 0            | 46.66                      | -                      | -           | 74                  | -27.34         | 277            | 107         | V        |
| 2      | * 5.448         | 39.42                | Pk  | 34.6             | -23.8                 | 0            | 50.22                      | -                      | -           | 74                  | -23.78         | 277            | 107         | V        |
| 5      | * 5.46          | 27.67                | RMS | 34.6             | -23.9                 | 0            | 38.37                      | 54                     | -15.63      | -                   | -              | 277            | 107         | V        |
| 6      | * 5.453         | 28.05                | RMS | 34.6             | -23.8                 | 0            | 38.85                      | 54                     | -15.15      | -                   | -              | 277            | 107         | V        |
| 4      | 5.466           | 39.66                | Pk  | 34.6             | -23.9                 | 0            | 50.36                      | -                      | -           | 68.2                | -17.84         | 277            | 107         | V        |
| 8      | 5.468           | 28.52                | RMS | 34.6             | -23.9                 | 0            | 39.22                      | -                      | -           | -                   | -              | 277            | 107         | V        |
| 3      | 5.47            | 35.84                | Pk  | 34.6             | -23.9                 | 0            | 46.54                      | -                      | -           | 68.2                | -21.66         | 277            | 107         | V        |
| 7      | 5.47            | 28.33                | RMS | 34.6             | -23.9                 | 0            | 39.03                      | -                      | -           | -                   | -              | 277            | 107         | V        |

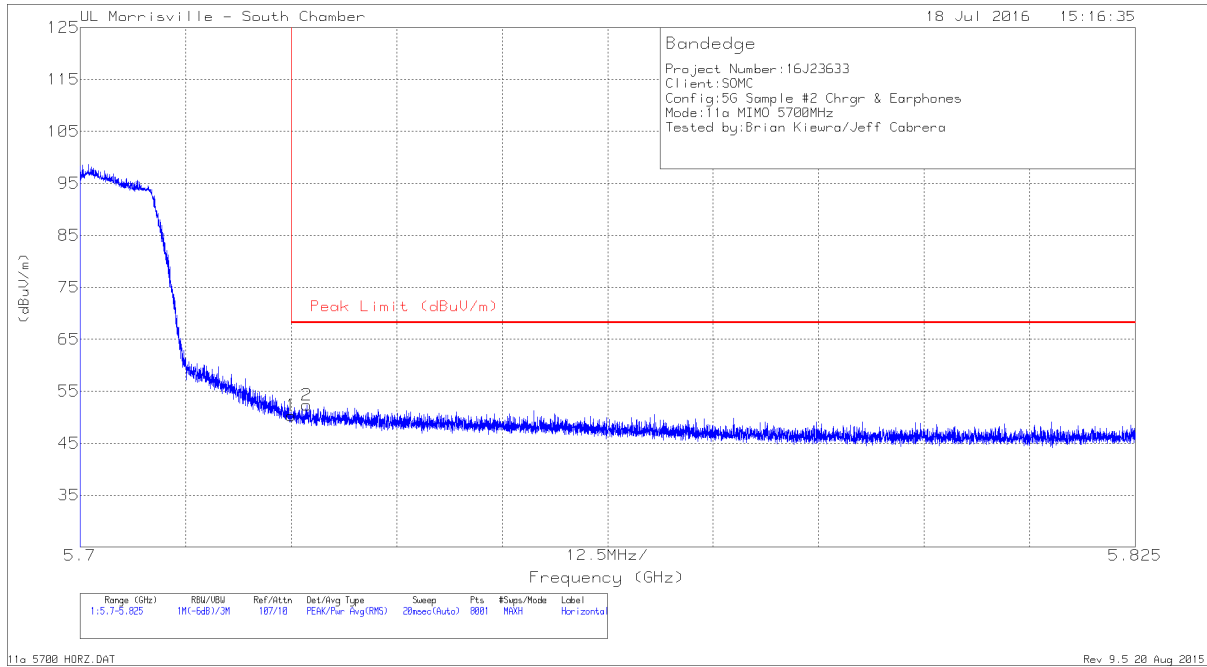
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

**AUTHORIZED BANDEDGE (HIGH CHANNEL)**

**HIGH CHANNEL BANDEDGE, HORIZONTAL**



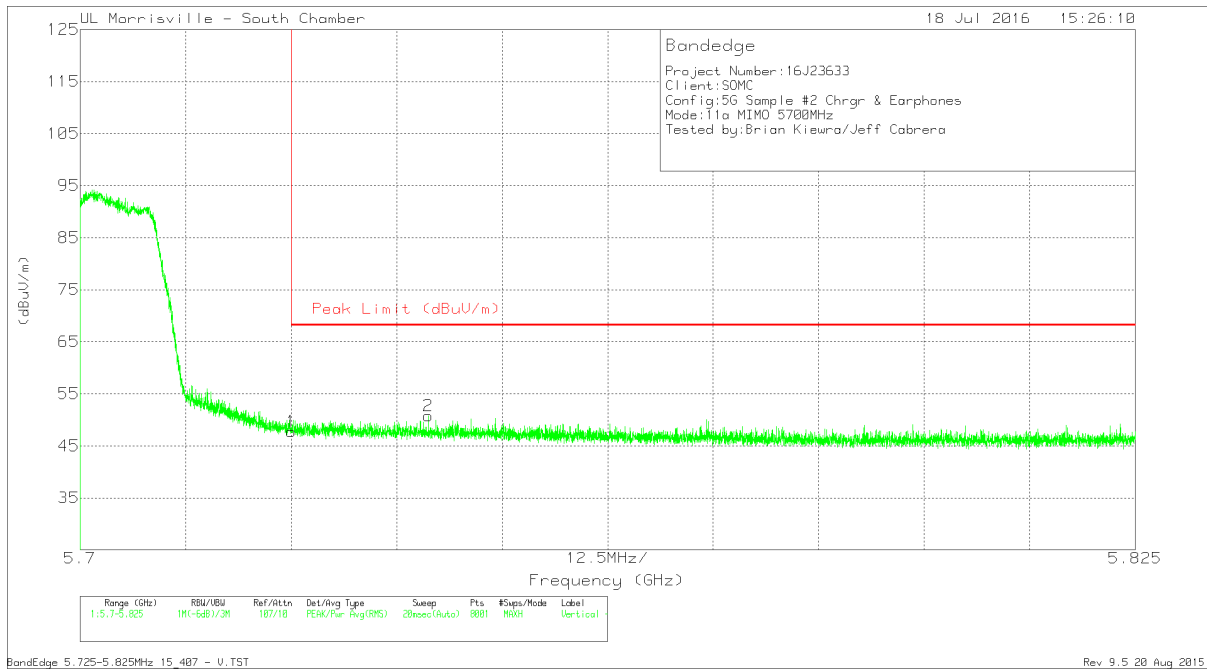
**Trace Markers**

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF AT0069 (dB/m) | Amp/Cbl/Filtr/Pad (dB) | DC Corr (dB) | Corrected Reading (dBuV/m) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|------------------|------------------------|--------------|----------------------------|---------------------|----------------|----------------|-------------|----------|
| 1      | 5.725           | 39.54                | Pk  | 34.7             | -23.9                  | 0            | 50.34                      | 68.2                | -17.86         | 307            | 105         | H        |
| 2      | 5.727           | 41.53                | Pk  | 34.7             | -23.9                  | 0            | 52.33                      | 68.2                | -15.87         | 307            | 105         | H        |

Pk - Peak detector



HIGH CHANNEL BANDEDGE, VERTICAL



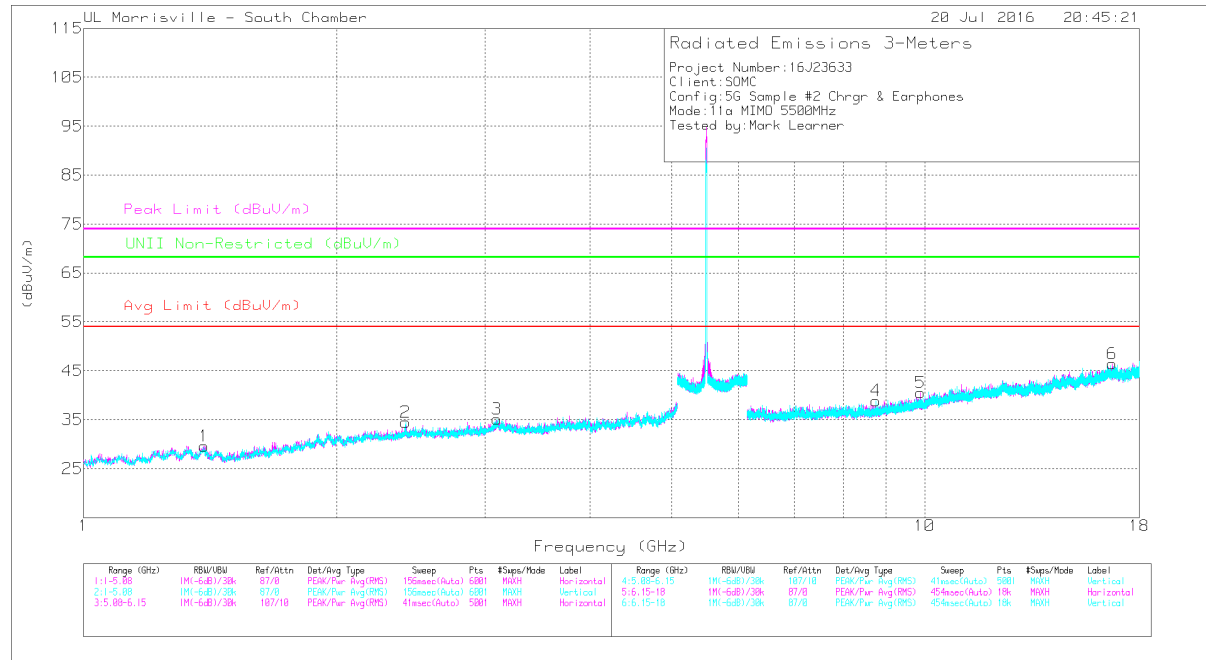
Trace Markers

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF AT0069 (dB/m) | Amp/Cbl/Filtr/Pad (dB) | DC Corr (dB) | Corrected Reading (dBuV/m) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|------------------|------------------------|--------------|----------------------------|---------------------|----------------|----------------|-------------|----------|
| 1      | 5.725           | 36.95                | Pk  | 34.7             | -23.9                  | 0            | 47.75                      | 68.2                | -20.45         | 278            | 107         | V        |
| 2      | 5.741           | 39.65                | Pk  | 34.7             | -23.6                  | 0            | 50.75                      | 68.2                | -17.45         | 278            | 107         | V        |

Pk - Peak detector

**HARMONICS AND SPURIOUS EMISSIONS**

**LOW CHANNEL PLOT**



**Trace Markers**

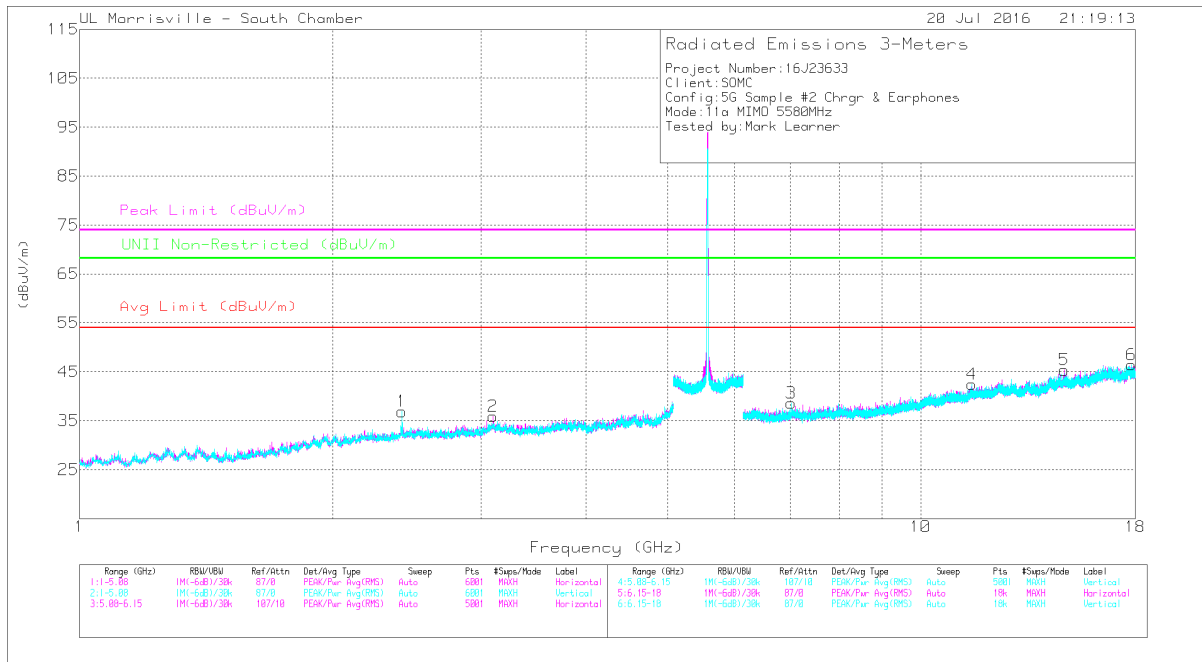
| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det  | AF AT0069 (dB/m) | Amp/Cbl/Fltr/Pad (dB) | DC Corr (dB) | Corrected Reading (dBuV/m) | Avg Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | UNII Non-Restricted (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|------|------------------|-----------------------|--------------|----------------------------|--------------------|-------------|---------------------|----------------|------------------------------|----------------|----------------|-------------|----------|
| 1      | * 1.389         | 42.31                | PK-U | 28.8             | -35.2                 | 0            | 35.91                      | -                  | -           | 74                  | -38.09         | -                            | -              | 0              | 102         | H        |
|        | * 1.391         | 31.21                | ADR  | 28.8             | -35.2                 | 0            | 24.81                      | 54                 | -29.19      | -                   | -              | -                            | -              | 0              | 102         | H        |
| 2      | 2.414           | 44.45                | PK-U | 32.3             | -34.7                 | 0            | 42.05                      | -                  | -           | -                   | -              | 68.2                         | -26.15         | 304            | 102         | V        |
| 3      | 3.104           | 41.48                | PK-U | 33.9             | -34                   | 0            | 41.38                      | -                  | -           | -                   | -              | 68.2                         | -26.82         | 304            | 102         | V        |
| 4      | 8.755           | 36.98                | PK-U | 35.8             | -28.1                 | 0            | 44.68                      | -                  | -           | -                   | -              | 68.2                         | -23.52         | 304            | 104         | V        |
| 5      | 9.892           | 34.96                | PK-U | 37               | -26.6                 | 0            | 45.36                      | -                  | -           | -                   | -              | 68.2                         | -22.84         | 304            | 199         | H        |
| 6      | 16.712          | 36.52                | PK-U | 41.6             | -25.9                 | 0            | 52.22                      | -                  | -           | -                   | -              | 68.2                         | -15.98         | 304            | 104         | 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

MID CHANNEL PLOT



Trace Markers

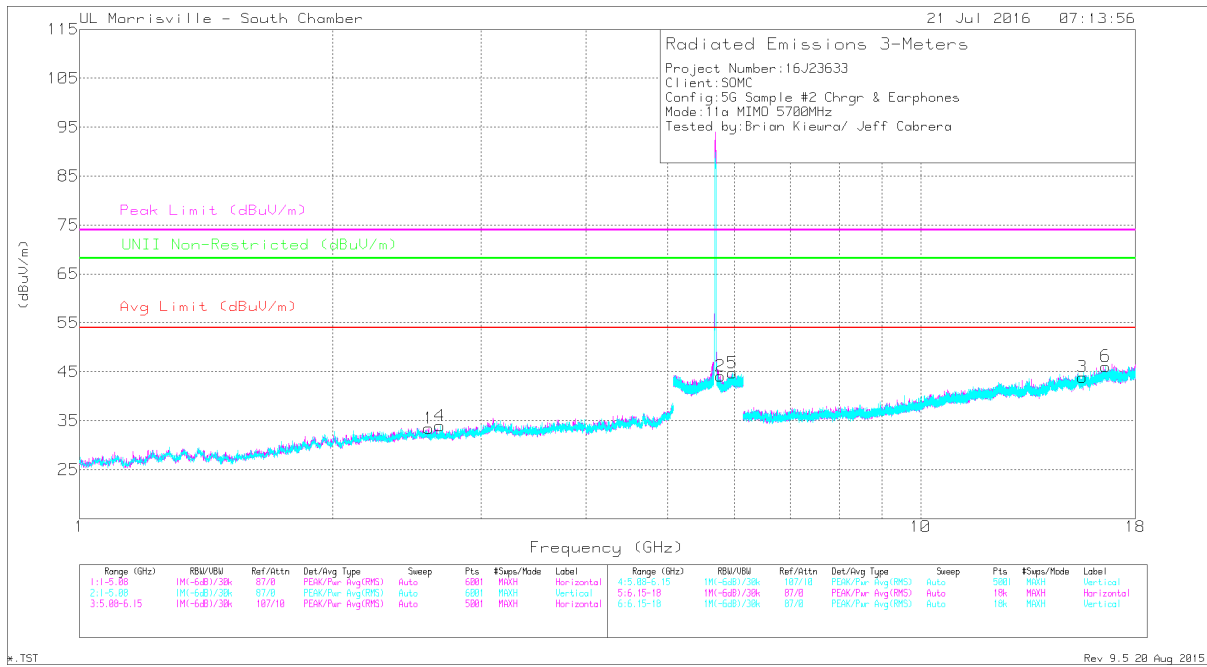
| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det  | AF AT0069 (dB/m) | Amp/Cbl/ Ftr/Pad (dB) | DC Corr (dB) | Corrected Reading (dBuV/m) | Avg Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | UNII Non-Restricted (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|------|------------------|-----------------------|--------------|----------------------------|--------------------|-------------|---------------------|----------------|------------------------------|----------------|----------------|-------------|----------|
| 4      | * 11.51         | 34.36                | PK-U | 38.4             | -25.4                 | 0            | 47.36                      | -                  | -           | 74                  | -26.64         | -                            | -              | 234            | 104         | V        |
|        | * 11.512        | 23.95                | ADR  | 38.4             | -25.5                 | 0            | 36.85                      | 54                 | -17.15      | -                   | -              | -                            | -              | 234            | 104         | V        |
| 6      | * 17.811        | 33.93                | PK-U | 41.2             | -23.7                 | 0            | 51.43                      | -                  | -           | 74                  | -22.57         | -                            | -              | 234            | 104         | V        |
|        | * 17.813        | 23.46                | ADR  | 41.2             | -23.8                 | 0            | 40.86                      | 54                 | -13.14      | -                   | -              | -                            | -              | 234            | 104         | V        |
| 1      | 2.416           | 42.48                | PK-U | 32.3             | -34.7                 | 0            | 40.08                      | -                  | -           | -                   | -              | 68.2                         | -28.12         | 234            | 199         | V        |
| 2      | 3.103           | 41.56                | PK-U | 33.9             | -34                   | 0            | 41.46                      | -                  | -           | -                   | -              | 68.2                         | -26.74         | 360            | 102         | H        |
| 3      | 7.015           | 36.63                | PK-U | 35.6             | -29.1                 | 0            | 43.13                      | -                  | -           | -                   | -              | 68.2                         | -25.07         | 234            | 198         | V        |
| 5      | 14.824          | 34.74                | PK-U | 39.9             | -24.9                 | 0            | 49.74                      | -                  | -           | -                   | -              | 68.2                         | -18.46         | 234            | 104         | 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

HIGH CHANNEL PLOT



Trace Markers

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det  | AF AT0069 (dB/m) | Amp/Cbl/Fltr/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      | * 2.683         | 41.56                | PK-U | 32.4             | -34.5                 | 0            | 39.46                      | -                  | -           | 74                  | -34.54         | -                            | -              | 237            | 394         | V        |
|        | * 2.682         | 29.74                | ADR  | 32.4             | -34.5                 | 0            | 27.64                      | 54                 | -26.36      | -                   | -              | -                            | -              | 237            | 394         | V        |
| 3      | * 15.586        | 35.27                | PK-U | 40.1             | -25.7                 | 0            | 49.67                      | -                  | -           | 74                  | -24.33         | -                            | -              | 141            | 127         | H        |
|        | * 15.584        | 23.66                | ADR  | 40.1             | -25.6                 | 0            | 38.16                      | 54                 | -15.84      | -                   | -              | -                            | -              | 141            | 127         | H        |
| 1      | 2.6             | 41.54                | PK-U | 32.3             | -34.5                 | 0            | 39.34                      | -                  | -           | -                   | -              | 68.2                         | -28.86         | 1              | 115         | H        |
| 2      | 5.779           | 38.46                | PK-U | 34.6             | -23.6                 | 0            | 49.46                      | -                  | -           | -                   | -              | 68.2                         | -18.74         | 321            | 320         | H        |
| 5      | 5.972           | 38.77                | PK-U | 35.1             | -23                   | 0            | 50.87                      | -                  | -           | -                   | -              | 68.2                         | -17.33         | 357            | 315         | V        |
| 6      | 16.603          | 34.79                | PK-U | 41.4             | -24.3                 | 0            | 51.89                      | -                  | -           | -                   | -              | 68.2                         | -16.31         | 86             | 227         | V        |

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

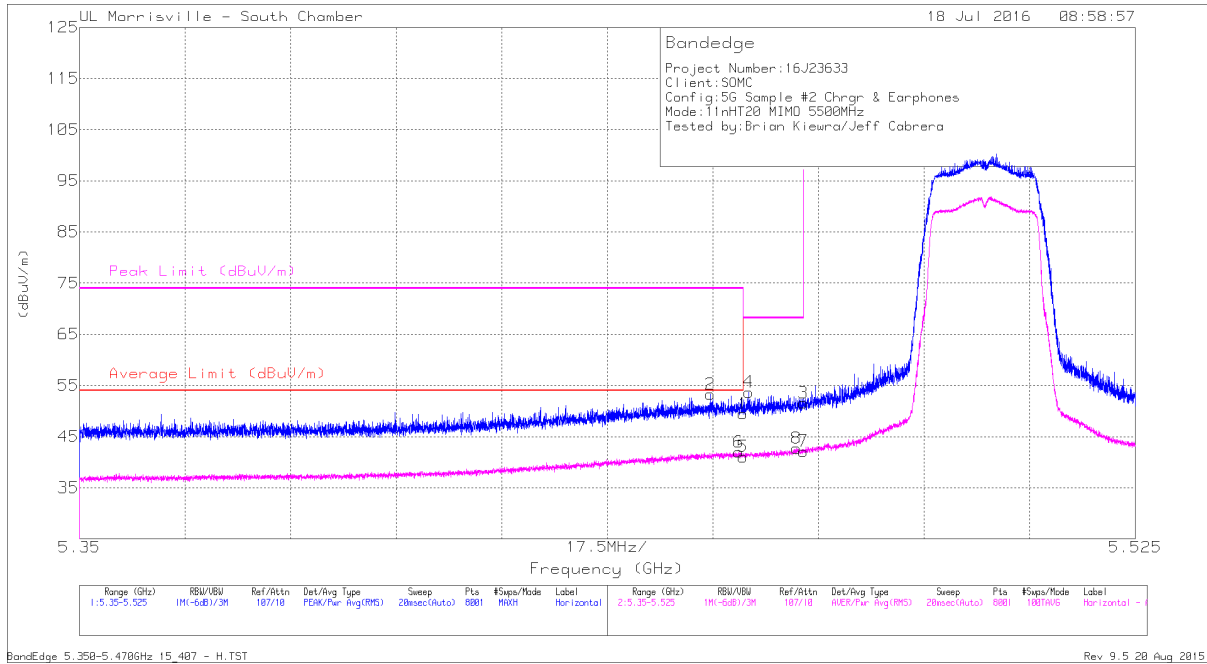
PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

**9.2.10. TX ABOVE 1 GHz 802.11n HT20 MODE IN THE 5.6 GHz BAND**

**RESTRICTED BANDEDGE (LOW CHANNEL)**

**LOW CHANNEL RESTRICTED, HORIZONTAL**



**Trace Markers**

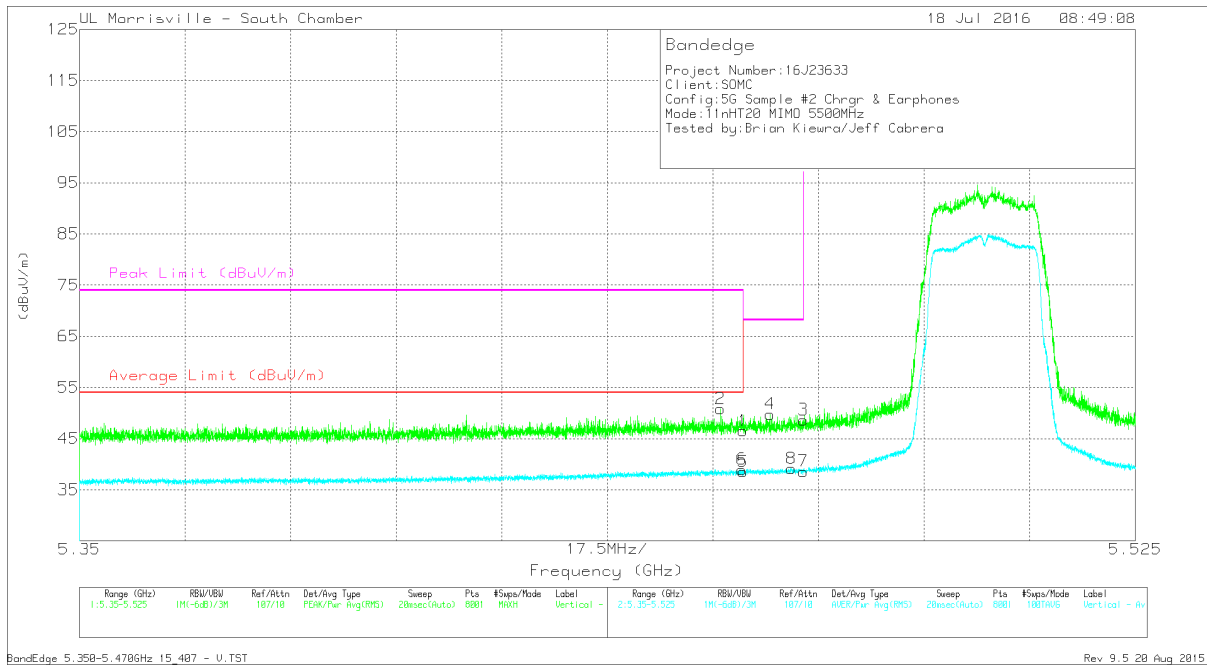
| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF AT0069 (dB/m) | Amp/Cbl/ Ftr/Pad (dB) | DC Corr (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|------------------|-----------------------|--------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1      | * 5.46          | 38.79                | Pk  | 34.6             | -23.9                 | 0            | 49.49                      | -                      | -           | 74                  | -24.51         | 308            | 107         | H        |
| 2      | * 5.455         | 42.57                | Pk  | 34.6             | -23.9                 | 0            | 53.27                      | -                      | -           | 74                  | -20.73         | 308            | 107         | H        |
| 5      | * 5.46          | 30.38                | RMS | 34.6             | -23.9                 | 0            | 41.08                      | 54                     | -12.92      | -                   | -              | 308            | 107         | H        |
| 6      | * 5.459         | 31.31                | RMS | 34.6             | -23.9                 | 0            | 42.01                      | 54                     | -11.99      | -                   | -              | 308            | 107         | H        |
| 4      | 5.461           | 43.01                | Pk  | 34.6             | -23.9                 | 0            | 53.71                      | -                      | -           | 68.2                | -14.49         | 308            | 107         | H        |
| 8      | 5.469           | 32                   | RMS | 34.6             | -23.9                 | 0            | 42.7                       | -                      | -           | -                   | -              | 308            | 107         | H        |
| 3      | 5.47            | 40.85                | Pk  | 34.6             | -23.9                 | 0            | 51.55                      | -                      | -           | 68.2                | -16.65         | 308            | 107         | H        |
| 7      | 5.47            | 31.45                | RMS | 34.6             | -23.9                 | 0            | 42.15                      | -                      | -           | -                   | -              | 308            | 107         | H        |

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

Pk - Peak detector

RMS - RMS detection

LOW CHANNEL RESTRICTED, VERTICAL



Trace Markers

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF AT0069 (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      | * 5.46          | 35.8                 | Pk  | 34.6             | -23.9                  | 0            | 46.5                       | -                      | -           | 74                  | -27.5          | 280            | 105         | V        |
| 2      | * 5.456         | 40.13                | Pk  | 34.6             | -23.9                  | 0            | 50.83                      | -                      | -           | 74                  | -23.17         | 280            | 105         | V        |
| 5      | * 5.46          | 27.84                | RMS | 34.6             | -23.9                  | 0            | 38.54                      | 54                     | -15.46      | -                   | -              | 280            | 105         | V        |
| 6      | * 5.46          | 28.27                | RMS | 34.6             | -23.9                  | 0            | 38.97                      | 54                     | -15.03      | -                   | -              | 280            | 105         | V        |
| 4      | 5.464           | 39.09                | Pk  | 34.6             | -23.9                  | 0            | 49.79                      | -                      | -           | 68.2                | -18.41         | 280            | 105         | V        |
| 8      | 5.468           | 28.46                | RMS | 34.6             | -23.9                  | 0            | 39.16                      | -                      | -           | -                   | -              | 280            | 105         | V        |
| 3      | 5.47            | 37.97                | Pk  | 34.6             | -23.9                  | 0            | 48.67                      | -                      | -           | 68.2                | -19.53         | 280            | 105         | V        |
| 7      | 5.47            | 27.91                | RMS | 34.6             | -23.9                  | 0            | 38.61                      | -                      | -           | -                   | -              | 280            | 105         | V        |

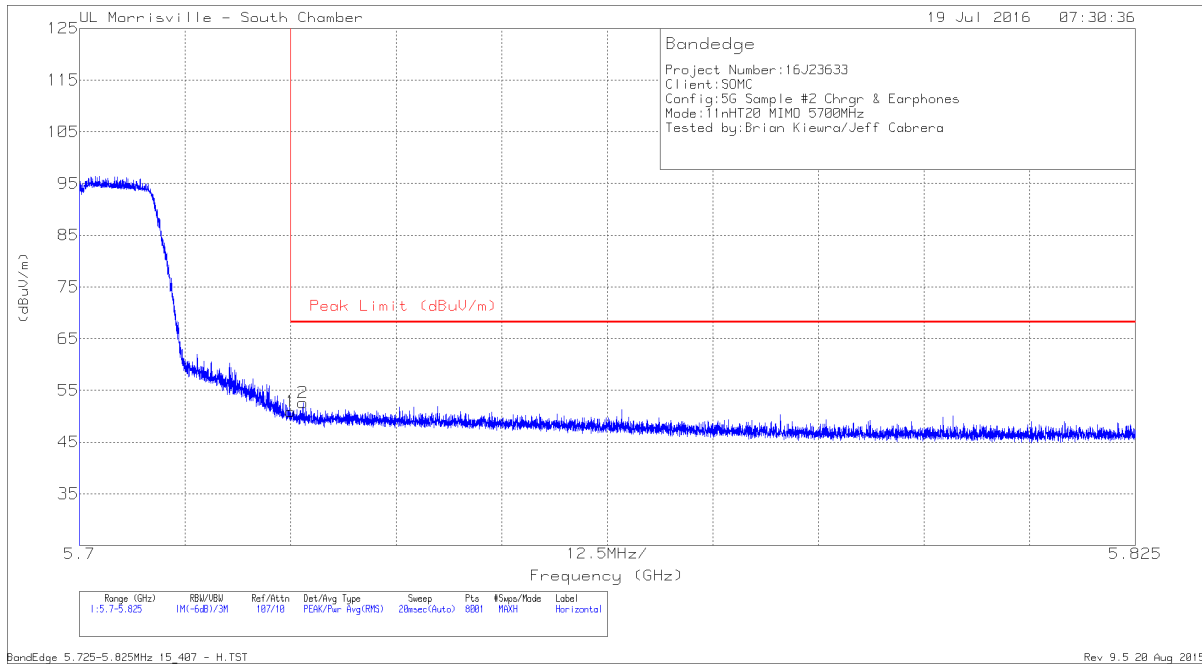
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

**AUTHORIZED BANDEDGE (HIGH CHANNEL)**

**HIGH CHANNEL BANDEDGE, HORIZONTAL**

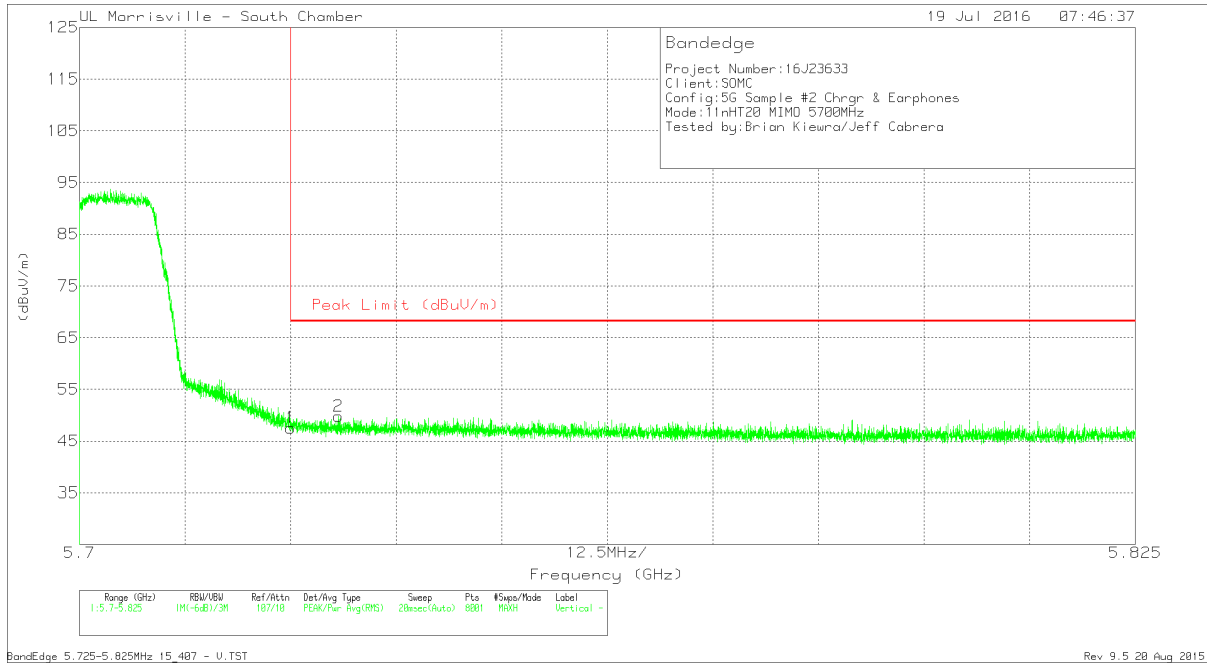


**Trace Markers**

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF AT0069 (dB/m) | Amp/Cbl/Filtr/Pad (dB) | DC Corr (dB) | Corrected Reading (dBuV/m) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|------------------|------------------------|--------------|----------------------------|---------------------|----------------|----------------|-------------|----------|
| 1      | 5.725           | 40.1                 | Pk  | 34.7             | -23.9                  | 0            | 50.9                       | 68.2                | -17.3          | 314            | 101         | H        |
| 2      | 5.726           | 41.79                | Pk  | 34.7             | -23.9                  | 0            | 52.59                      | 68.2                | -15.61         | 314            | 101         | H        |

Pk - Peak detector

HIGH CHANNEL BANDEDGE, VERTICAL



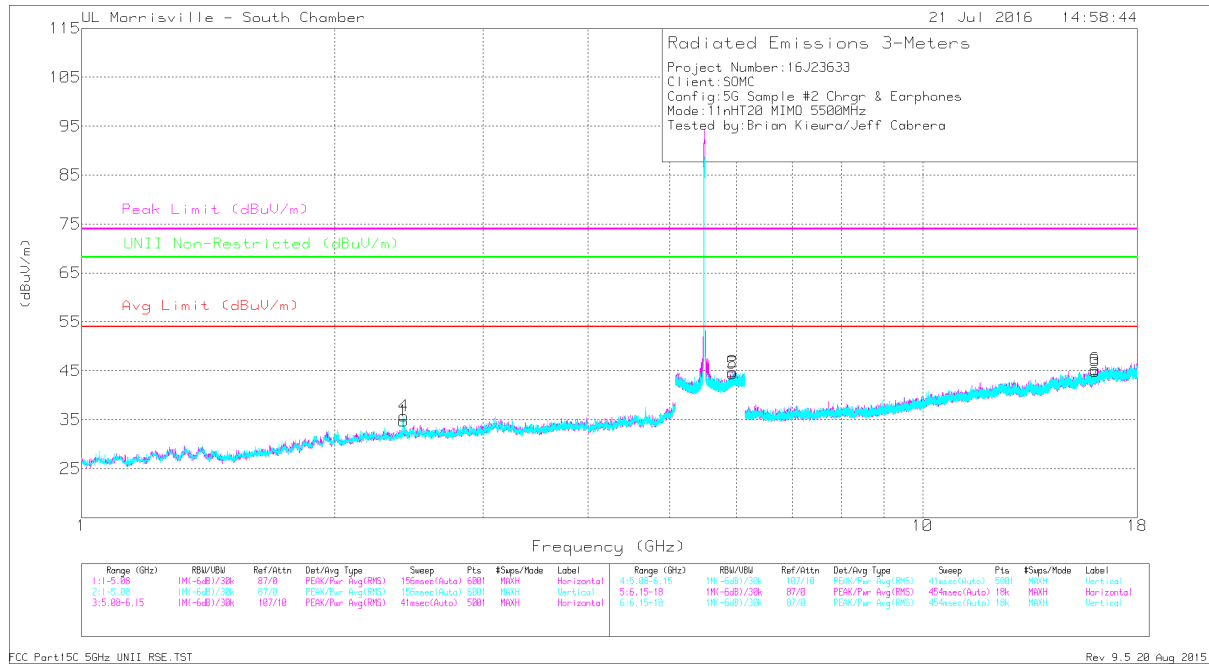
Trace Markers

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF AT0069 (dB/m) | Amp/Cbl/Fltr/Pad (dB) | DC Corr (dB) | Corrected Reading (dBuV/m) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|------------------|-----------------------|--------------|----------------------------|---------------------|----------------|----------------|-------------|----------|
| 1      | 5.725           | 36.77                | Pk  | 34.7             | -23.9                 | 0            | 47.57                      | 68.2                | -20.63         | 276            | 107         | V        |
| 2      | 5.731           | 38.88                | Pk  | 34.7             | -23.8                 | 0            | 49.78                      | 68.2                | -18.42         | 276            | 107         | V        |

Pk - Peak detector



**HARMONICS AND SPURIOUS EMISSIONS**  
**LOW CHANNEL PLOT**



**Trace Markers**

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF AT0069 (dB/m) | Amp/CM/Ftr/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) | Altitude (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|------------------|---------------------|--------------|----------------------------|--------------------|-------------|---------------------|----------------|------------------------------|----------------|-----------------|-------------|----------|
| 3      | *16.042         | 29.77                | PK  | 40.6             | -25.4               | 0            | 44.97                      | -                  | -           | 74                  | -29.03         | -                            | -              | 0-360           | 199         | H        |
| 6      | *16.034         | 30.16                | PK  | 40.6             | -25.4               | 0            | 45.36                      | -                  | -           | 74                  | -28.64         | -                            | -              | 0-360           | 102         | V        |
| 1      | 2.414           | 37.13                | PK  | 32.3             | -34.7               | 0            | 34.73                      | -                  | -           | -                   | -              | 68.2                         | -33.47         | 0-360           | 199         | H        |
| 4      | 2.416           | 38.14                | PK  | 32.3             | -34.7               | 0            | 35.74                      | -                  | -           | -                   | -              | 68.2                         | -32.46         | 0-360           | 102         | V        |
| 5      | 5.942           | 32.66                | PK  | 35               | -23.2               | 0            | 44.46                      | -                  | -           | -                   | -              | 68.2                         | -23.74         | 0-360           | 200         | V        |
| 2      | 5.947           | 32.99                | PK  | 35               | -23.2               | 0            | 44.79                      | -                  | -           | -                   | -              | 68.2                         | -23.41         | 0-360           | 200         | H        |

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

PK - Peak detector

**Radiated Emissions**

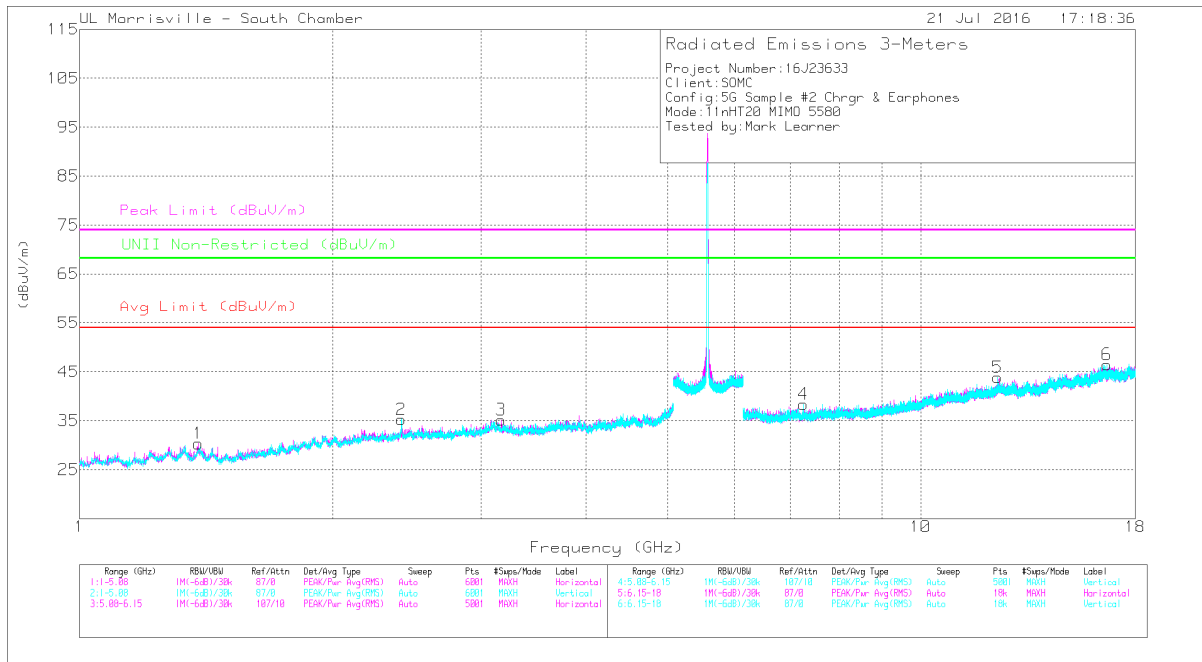
| Frequency (GHz) | Meter Reading (dBuV) | Det  | AF AT0069 (dB/m) | Amp/CM/Ftr/Pad (dB) | DC Corr (dB) | Corrected Reading (dBuV/m) | Avg Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | UNII Non-Restricted (dBuV/m) | PK Margin (dB) | Altitude (Degs) | Height (cm) | Polarity |
|-----------------|----------------------|------|------------------|---------------------|--------------|----------------------------|--------------------|-------------|---------------------|----------------|------------------------------|----------------|-----------------|-------------|----------|
| *16.041         | 35.53                | PK-U | 40.6             | -25.4               | 0            | 50.73                      | -                  | -           | 74                  | -23.27         | -                            | -              | 144             | 257         | H        |
| *16.041         | 23.71                | ADR  | 40.6             | -25.4               | 0            | 38.91                      | 54                 | -15.09      | -                   | -              | -                            | -              | 144             | 257         | H        |
| *16.034         | 35.33                | PK-U | 40.6             | -25.4               | 0            | 50.53                      | -                  | -           | 74                  | -23.47         | -                            | -              | 154             | 135         | V        |
| *16.034         | 23.72                | ADR  | 40.6             | -25.4               | 0            | 38.92                      | 54                 | -15.08      | -                   | -              | -                            | -              | 154             | 135         | V        |
| 2.414           | 42.71                | PK-U | 32.3             | -34.7               | 0            | 40.31                      | -                  | -           | -                   | -              | 68.2                         | -27.89         | 147             | 386         | H        |
| 2.414           | 46.55                | PK-U | 32.3             | -34.7               | 0            | 44.15                      | -                  | -           | -                   | -              | 68.2                         | -24.05         | 308             | 362         | V        |
| 2.414           | 30.74                | ADR  | 32.3             | -34.7               | 0            | 28.34                      | -                  | -           | -                   | -              | -                            | -              | 308             | 362         | V        |
| 2.415           | 30.07                | ADR  | 32.3             | -34.7               | 0            | 27.67                      | -                  | -           | -                   | -              | -                            | -              | 147             | 386         | H        |
| 5.94            | 38.13                | PK-U | 35               | -23.2               | 0            | 49.93                      | -                  | -           | -                   | -              | 68.2                         | -18.27         | 39              | 152         | V        |
| 5.942           | 26.61                | ADR  | 35               | -23.2               | 0            | 38.41                      | -                  | -           | -                   | -              | -                            | -              | 39              | 152         | V        |
| 5.947           | 37.96                | PK-U | 35               | -23.2               | 0            | 49.76                      | -                  | -           | -                   | -              | 68.2                         | -18.44         | 209             | 239         | H        |
| 5.947           | 26.59                | ADR  | 35               | -23.2               | 0            | 38.39                      | -                  | -           | -                   | -              | -                            | -              | 209             | 239         | 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

MID CHANNEL PLOT



Trace Markers

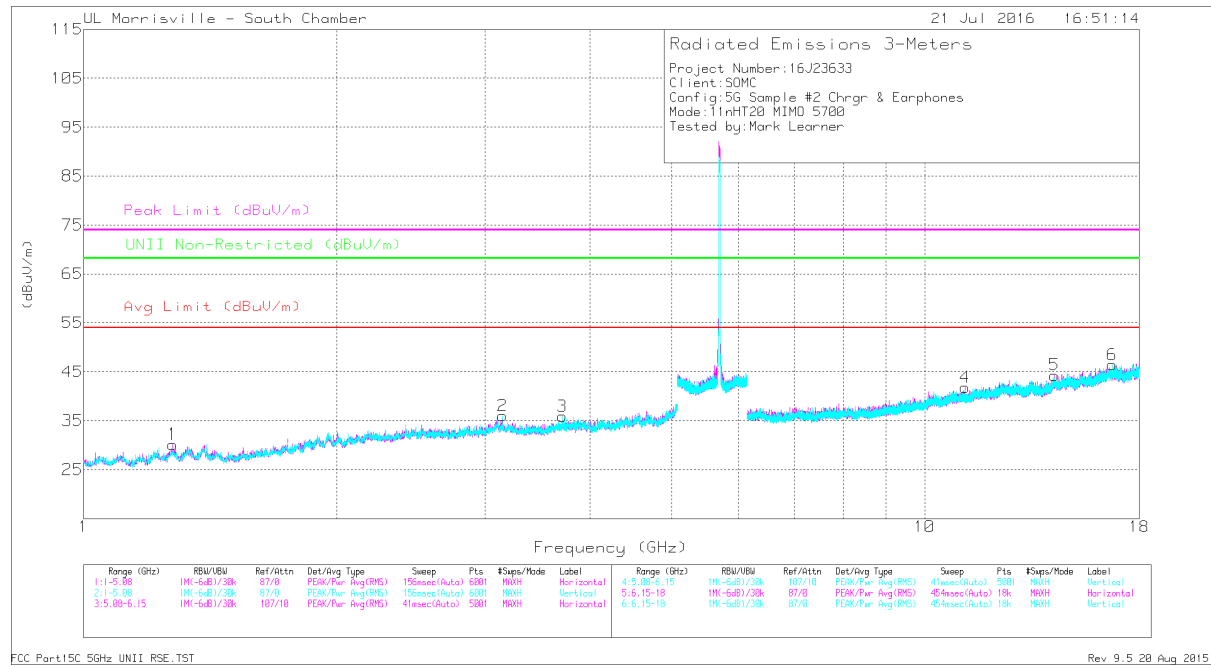
| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det  | AF AT0069 (dB/m) | Amp/Cou/Filt/Pad (dB) | DC Corr (dB) | Corrected Reading (dBuV/m) | Avg Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | UNII Non-Restricted (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|------|------------------|-----------------------|--------------|----------------------------|--------------------|-------------|---------------------|----------------|------------------------------|----------------|----------------|-------------|----------|
| 1      | * 1.384         | 42.48                | PK-U | 28.8             | -35.2                 | 0            | 36.08                      | -                  | -           | 74                  | -37.92         | -                            | -              | 1              | 198         | H        |
|        | * 1.384         | 31.15                | ADR  | 28.8             | -35.2                 | 0            | 24.75                      | 54                 | -29.25      | -                   | -              | -                            | -              | 1              | 198         | H        |
| 4      | 7.249           | 37.72                | PK-U | 35.5             | -28.5                 | 0            | 44.72                      | -                  | -           | -                   | -              | 68.2                         | -23.48         | 148            | 198         | V        |
|        | * 7.251         | 25.31                | ADR  | 35.5             | -28.5                 | 0            | 32.31                      | 54                 | -21.69      | -                   | -              | -                            | -              | 148            | 198         | V        |
| 5      | * 12.345        | 35.07                | PK-U | 39               | -25.1                 | 0            | 48.97                      | -                  | -           | 74                  | -25.03         | -                            | -              | 197            | 198         | V        |
|        | * 12.347        | 23.99                | ADR  | 39               | -25.1                 | 0            | 37.89                      | 54                 | -16.11      | -                   | -              | -                            | -              | 197            | 198         | V        |
| 2      | 2.413           | 43.32                | PK-U | 32.3             | -34.7                 | 0            | 40.92                      | -                  | -           | -                   | -              | 68.2                         | -27.28         | 241            | 198         | V        |
| 3      | 3.169           | 41.01                | PK-U | 33.5             | -34.2                 | 0            | 40.31                      | -                  | -           | -                   | -              | 68.2                         | -27.89         | 171            | 104         | H        |
| 6      | 16.662          | 35.86                | PK-U | 41.5             | -25.5                 | 0            | 51.86                      | -                  | -           | -                   | -              | 68.2                         | -16.34         | 141            | 104         | 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

HIGH CHANNEL PLOT



Trace Markers

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det  | AF AT0069 (dB/m) | Amp/Cou/Filt/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      | * 1.278         | 42.53                | PK-U | 28.8             | -35.6                 | 0            | 35.73                      | -                  | -           | 74                  | -38.27         | -                            | -              | 0              | 102         | H        |
|        | * 1.277         | 31.24                | ADR  | 28.8             | -35.6                 | 0            | 24.44                      | 54                 | -29.56      | -                   | -              | -                            | -              | 0              | 102         | H        |
| 3      | * 3.713         | 40.33                | PK-U | 33.4             | -33                   | 0            | 40.73                      | -                  | -           | 74                  | -33.27         | -                            | -              | 103            | 102         | V        |
|        | * 3.712         | 29.61                | ADR  | 33.4             | -33.1                 | 0            | 29.91                      | 54                 | -24.09      | -                   | -              | -                            | -              | 103            | 102         | V        |
| 4      | * 11.174        | 35.35                | PK-U | 38               | -25.6                 | 0            | 47.75                      | -                  | -           | 74                  | -26.25         | -                            | -              | 84             | 102         | H        |
|        | * 11.173        | 23.4                 | ADR  | 38               | -25.6                 | 0            | 35.8                       | 54                 | -18.2       | -                   | -              | -                            | -              | 84             | 102         | H        |
| 2      | 3.149           | 41.5                 | PK-U | 33.6             | -34.1                 | 0            | 41                         | -                  | -           | -                   | -              | 68.2                         | -27.2          | 67             | 102         | V        |
| 5      | 14.265          | 34.75                | PK-U | 39.3             | -24                   | 0            | 50.05                      | -                  | -           | -                   | -              | 68.2                         | -18.15         | 99             | 102         | H        |
| 6      | 16.725          | 36.49                | PK-U | 41.6             | -25.9                 | 0            | 52.19                      | -                  | -           | -                   | -              | 68.2                         | -16.01         | 93             | 102         | 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

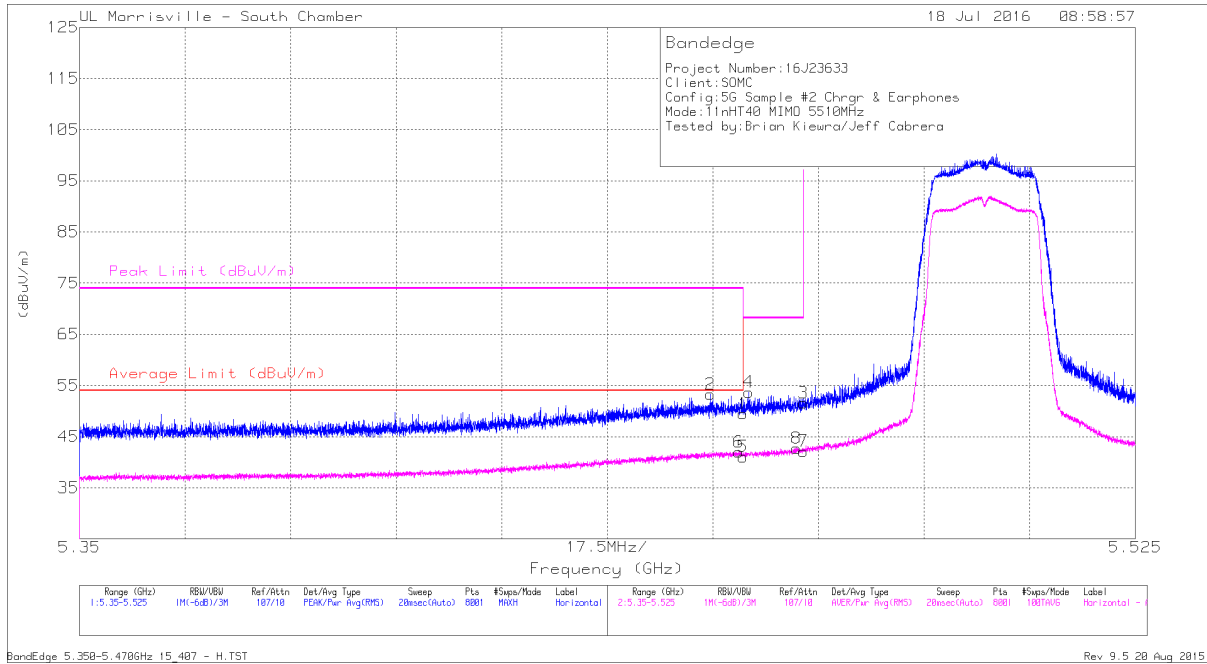
FCC Part15C 5GHz UNII RSE.TST

Rev 9.5 20 Aug 2015

**9.2.11. TX ABOVE 1 GHz 802.11n HT40 MODE IN THE 5.6 GHz BAND**

**RESTRICTED BANDEDGE (LOW CHANNEL)**

**LOW CHANNEL RESTRICTED, HORIZONTAL**



**Trace Markers**

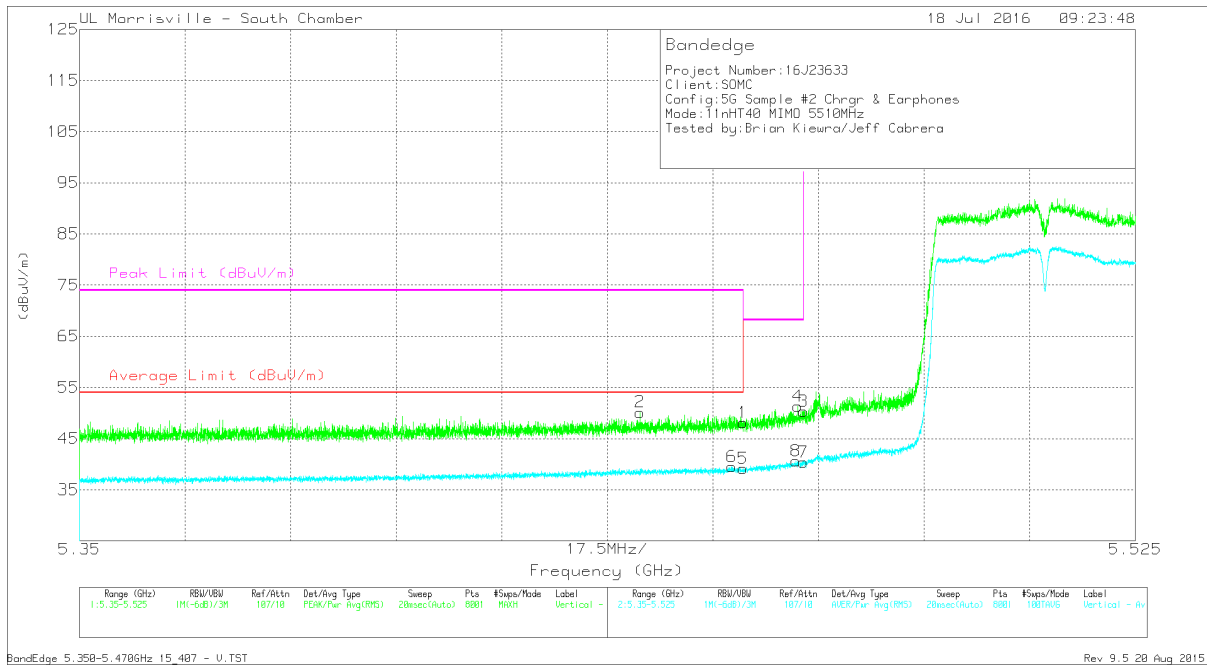
| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF AT0069 (dB/m) | Amp/Cbl/Fltr/Pad (dB) | DC Corr (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|------------------|-----------------------|--------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1      | * 5.46          | 38.79                | Pk  | 34.6             | -23.9                 | 0            | 49.49                      | -                      | -           | 74                  | -24.51         | 308            | 107         | H        |
| 2      | * 5.455         | 42.57                | Pk  | 34.6             | -23.9                 | 0            | 53.27                      | -                      | -           | 74                  | -20.73         | 308            | 107         | H        |
| 5      | * 5.46          | 30.38                | RMS | 34.6             | -23.9                 | .12          | 41.20                      | 54                     | -12.80      | -                   | -              | 308            | 107         | H        |
| 6      | * 5.459         | 31.31                | RMS | 34.6             | -23.9                 | .12          | 42.13                      | 54                     | -11.87      | -                   | -              | 308            | 107         | H        |
| 4      | 5.461           | 43.01                | Pk  | 34.6             | -23.9                 | 0            | 53.71                      | -                      | -           | 68.2                | -14.49         | 308            | 107         | H        |
| 8      | 5.469           | 32                   | RMS | 34.6             | -23.9                 | .12          | 42.82                      | -                      | -           | -                   | -              | 308            | 107         | H        |
| 3      | 5.47            | 40.85                | Pk  | 34.6             | -23.9                 | 0            | 51.55                      | -                      | -           | 68.2                | -16.65         | 308            | 107         | H        |
| 7      | 5.47            | 31.45                | RMS | 34.6             | -23.9                 | .12          | 42.27                      | -                      | -           | -                   | -              | 308            | 107         | H        |

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

Pk - Peak detector

RMS - RMS detection

LOW CHANNEL RESTRICTED, VERTICAL



Trace Markers

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF AT0069 (dB/m) | Amp/Cbl/Ftr/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      | * 5.46          | 37.4                 | Pk  | 34.6             | -23.9                | 0            | 48.1                       | -                      | -           | 74                  | -25.9          | 277            | 110         | V        |
| 2      | * 5.443         | 39.36                | Pk  | 34.6             | -23.8                | 0            | 50.16                      | -                      | -           | 74                  | -23.84         | 277            | 110         | V        |
| 5      | * 5.46          | 28.26                | RMS | 34.6             | -23.9                | .12          | 39.08                      | 54                     | -14.92      | -                   | -              | 277            | 110         | V        |
| 6      | * 5.458         | 28.69                | RMS | 34.6             | -23.9                | .12          | 39.51                      | 54                     | -14.49      | -                   | -              | 277            | 110         | V        |
| 4      | 5.469           | 40.6                 | Pk  | 34.6             | -23.9                | 0            | 51.3                       | -                      | -           | 68.2                | -16.9          | 277            | 110         | V        |
| 8      | 5.469           | 29.74                | RMS | 34.6             | -23.9                | .12          | 40.56                      | -                      | -           | -                   | -              | 277            | 110         | V        |
| 3      | 5.47            | 39.67                | Pk  | 34.6             | -23.9                | 0            | 50.37                      | -                      | -           | 68.2                | -17.83         | 277            | 110         | V        |
| 7      | 5.47            | 29.53                | RMS | 34.6             | -23.9                | .12          | 40.35                      | -                      | -           | -                   | -              | 277            | 110         | V        |

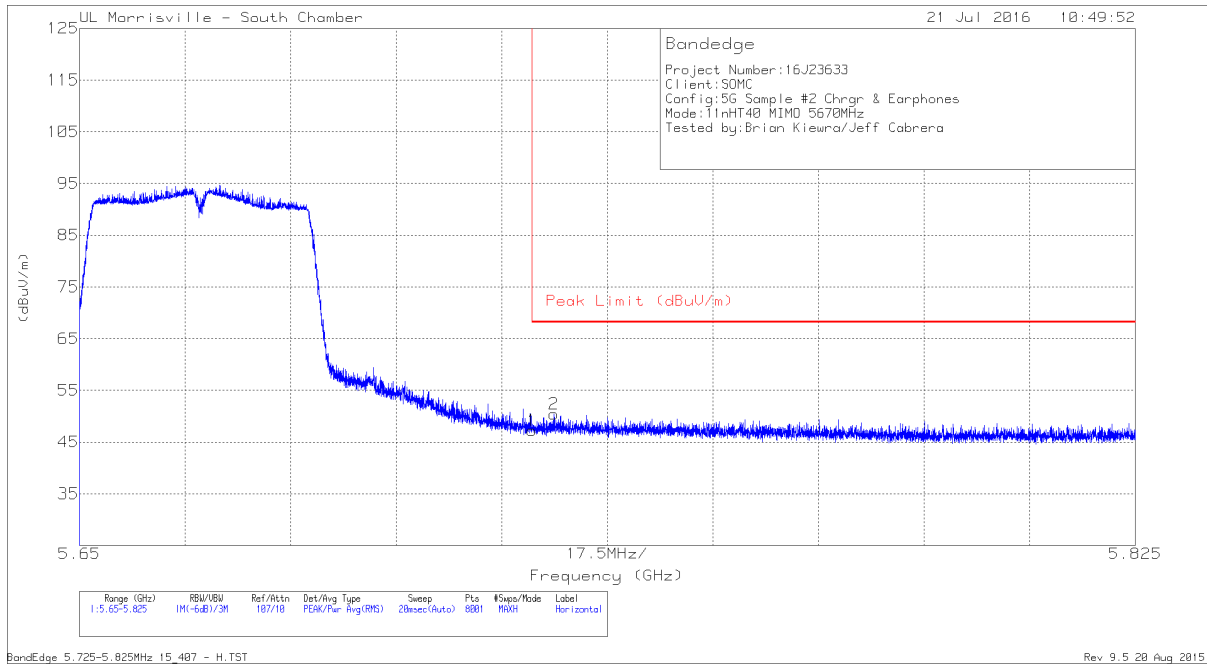
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

**AUTHORIZED BANDEDGE (HIGH CHANNEL)**

**HIGH CHANNEL BANDEDGE, HORIZONTAL**

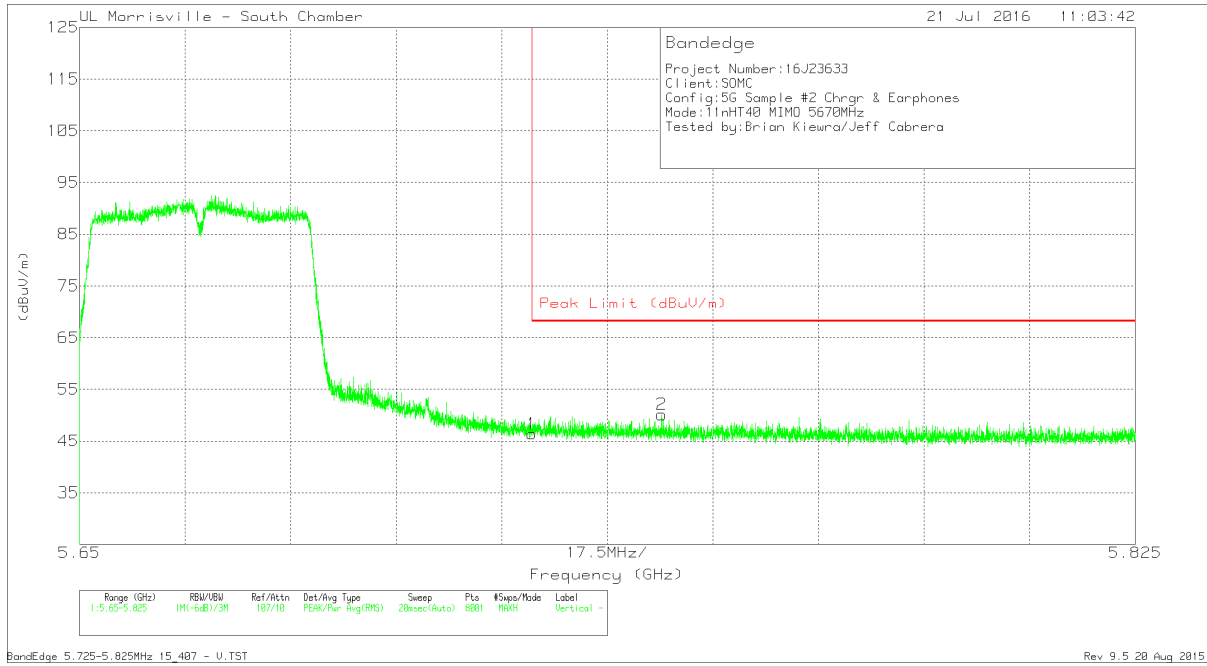


**Trace Markers**

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF AT0069 (dB/m) | Amp/Cbl/Fltr/Pad (dB) | DC Corr (dB) | Corrected Reading (dBuV/m) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|------------------|-----------------------|--------------|----------------------------|---------------------|----------------|----------------|-------------|----------|
| 1      | 5.725           | 36.44                | Pk  | 34.7             | -23.9                 | 0            | 47.24                      | 68.2                | -20.96         | 317            | 103         | H        |
| 2      | 5.729           | 39.62                | Pk  | 34.7             | -23.9                 | 0            | 50.42                      | 68.2                | -17.78         | 317            | 103         | H        |

Pk - Peak detector

HIGH CHANNEL BANDEDGE, VERTICAL

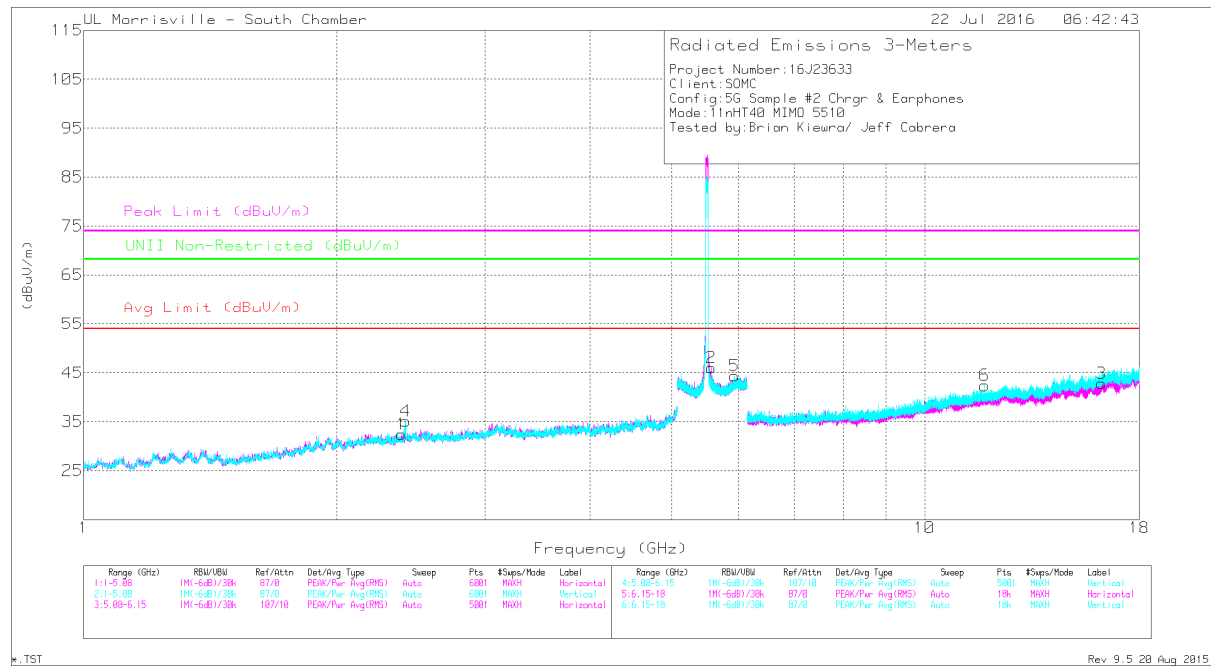


Trace Markers

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF AT0069 (dB/m) | Amp/Cbl/Filtr/Pad (dB) | Corrected Reading (dBuV/m) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|------------------|------------------------|----------------------------|---------------------|----------------|----------------|-------------|----------|
| 1      | 5.725           | 35.57                | Pk  | 34.7             | -23.9                  | 46.37                      | 68.2                | -21.83         | 115            | 104         | V        |
| 2      | 5.746           | 39.13                | Pk  | 34.7             | -23.7                  | 50.13                      | 68.2                | -18.07         | 115            | 104         | V        |

Pk - Peak detector

**HARMONICS AND SPURIOUS EMISSIONS**  
**LOW CHANNEL PLOT**



Trace Markers

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF AT0069 (dB/m) | Amp/CM/Ftr/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) | Altitude (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|------------------|---------------------|--------------|----------------------------|--------------------|-------------|---------------------|----------------|------------------------------|----------------|-----------------|-------------|----------|
| 1      | * 2.388         | 35.02                | Pk  | 32.2             | -34.8               | 0            | 32.42                      | -                  | -           | 74                  | -41.58         | -                            | -              | 0-360           | 199         | H        |
| 6      | * 11.784        | 28.9                 | Pk  | 38.7             | -25.2               | 0            | 42.4                       | -                  | -           | 74                  | -31.6          | -                            | -              | 0-360           | 101         | V        |
| 4      | 2.414           | 37.53                | Pk  | 32.3             | -34.7               | 0            | 35.13                      | -                  | -           | -                   | -              | 68.2                         | -33.07         | 0-360           | 102         | V        |
| 2      | 5.578           | 35.11                | Pk  | 34.6             | -23.7               | 0            | 46.01                      | -                  | -           | -                   | -              | 68.2                         | -22.19         | 0-360           | 102         | H        |
| 5      | 5.946           | 32.56                | Pk  | 35               | -23.2               | 0            | 44.36                      | -                  | -           | -                   | -              | 68.2                         | -23.84         | 0-360           | 199         | V        |
| 3      | 16.234          | 26.27                | Pk  | 40.7             | -24.1               | 0            | 42.87                      | -                  | -           | -                   | -              | 68.2                         | -25.33         | 0-360           | 102         | H        |

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

Pk - Peak detector

Radiated Emissions

| Frequency (GHz) | Meter Reading (dBuV) | Det  | AF AT0069 (dB/m) | Amp/CM/Ftr/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) | Altitude (Degs) | Height (cm) | Polarity |
|-----------------|----------------------|------|------------------|---------------------|--------------|----------------------------|--------------------|-------------|---------------------|----------------|------------------------------|----------------|-----------------|-------------|----------|
| * 2.388         | 41.87                | PK-U | 32.2             | -34.8               | 0            | 39.27                      | -                  | -           | 74                  | -34.73         | -                            | -              | 1               | 199         | H        |
| * 2.386         | 30.1                 | ADR  | 32.2             | -34.8               | .12          | 27.62                      | 54                 | -26.38      | -                   | -              | -                            | -              | 1               | 199         | H        |
| * 11.783        | 34.15                | PK-U | 38.7             | -25.2               | 0            | 47.65                      | -                  | -           | 74                  | -26.35         | -                            | -              | 45              | 104         | V        |
| * 11.786        | 22.56                | ADR  | 38.7             | -25.3               | .12          | 36.08                      | 54                 | -17.92      | -                   | -              | -                            | -              | 45              | 104         | V        |
| 2.414           | 43.83                | PK-U | 32.3             | -34.7               | 0            | 41.43                      | -                  | -           | -                   | -              | 68.2                         | -26.77         | 35              | 104         | V        |
| 2.415           | 30.09                | ADR  | 32.3             | -34.7               | .12          | 27.81                      | -                  | -           | -                   | -              | -                            | -              | 35              | 104         | V        |
| 5.576           | 30.43                | ADR  | 34.6             | -23.7               | .12          | 41.45                      | -                  | -           | -                   | -              | -                            | -              | 318             | 104         | H        |
| 5.577           | 41.72                | PK-U | 34.6             | -23.7               | 0            | 52.62                      | -                  | -           | -                   | -              | 68.2                         | -15.58         | 318             | 104         | H        |
| 5.946           | 26.55                | ADR  | 35               | -23.2               | .12          | 38.47                      | -                  | -           | -                   | -              | -                            | -              | 61              | 198         | V        |
| 5.948           | 37.9                 | PK-U | 35               | -23.2               | 0            | 49.7                       | -                  | -           | -                   | -              | 68.2                         | -18.5          | 61              | 198         | V        |
| 16.234          | 22.86                | ADR  | 40.7             | -24.1               | .12          | 39.58                      | -                  | -           | -                   | -              | -                            | -              | 10              | 104         | H        |
| 16.235          | 34.29                | PK-U | 40.7             | -24                 | 0            | 50.99                      | -                  | -           | -                   | -              | 68.2                         | -17.21         | 10              | 104         | H        |

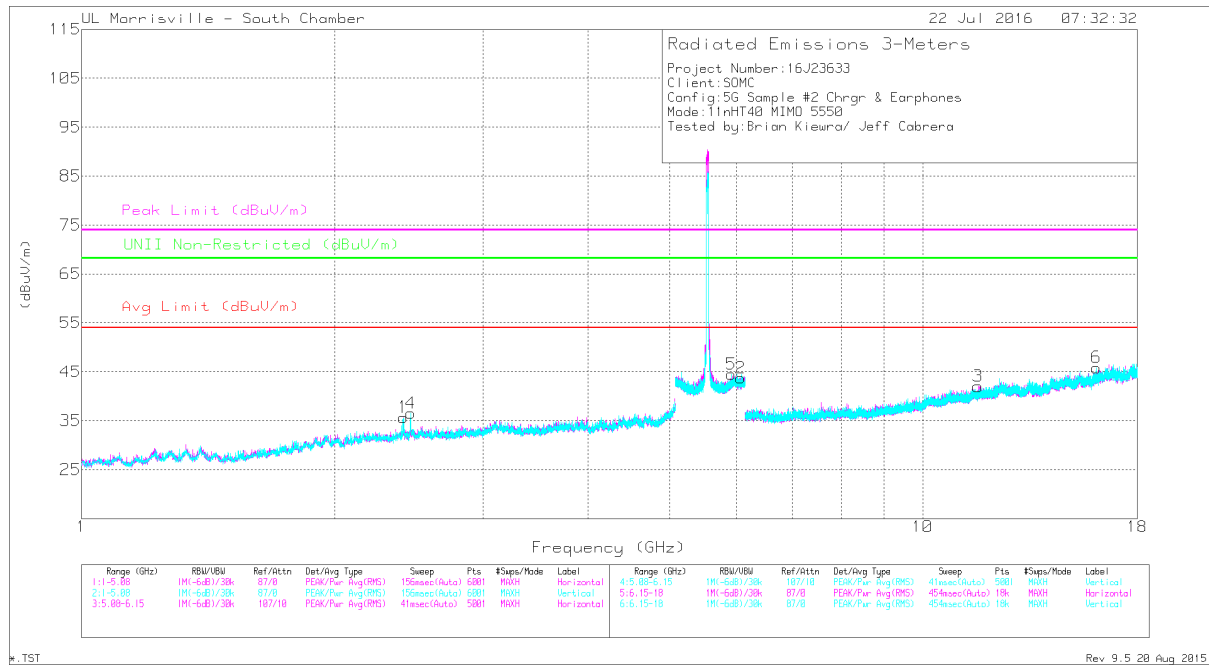
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average



MID CHANNEL PLOT



Trace Markers

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF AT0069 (dB/m) | Amp/Ch/Filt/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) | Asimuth (Deg) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|------------------|----------------------|--------------|----------------------------|--------------------|-------------|---------------------|----------------|------------------------------|----------------|---------------|-------------|----------|
| 3      | * 11.636        | 29.02                | Pk  | 38.5             | -25.5                | 0            | 42.02                      | -                  | -           | 74                  | -31.98         | -                            | -              | 0-360         | 199         | H        |
| 6      | * 16.089        | 31.26                | Pk  | 40.7             | -26.1                | 0            | 45.86                      | -                  | -           | 74                  | -28.14         | -                            | -              | 0-360         | 102         | V        |
| 1      | 2.414           | 38.08                | Pk  | 32.3             | -34.7                | 0            | 35.68                      | -                  | -           | -                   | -              | 68.2                         | -32.52         | 0-360         | 199         | H        |
| 4      | 2.461           | 38.84                | Pk  | 32.3             | -34.6                | 0            | 36.54                      | -                  | -           | -                   | -              | 68.2                         | -31.66         | 0-360         | 199         | V        |
| 5      | 5.92            | 32.81                | Pk  | 35               | -23.3                | 0            | 44.51                      | -                  | -           | -                   | -              | 68.2                         | -23.69         | 0-360         | 199         | V        |
| 2      | 6.076           | 31.61                | Pk  | 35.3             | -23.2                | 0            | 43.71                      | -                  | -           | -                   | -              | 68.2                         | -24.49         | 0-360         | 199         | H        |

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

Pk - Peak detector

Radiated Emissions

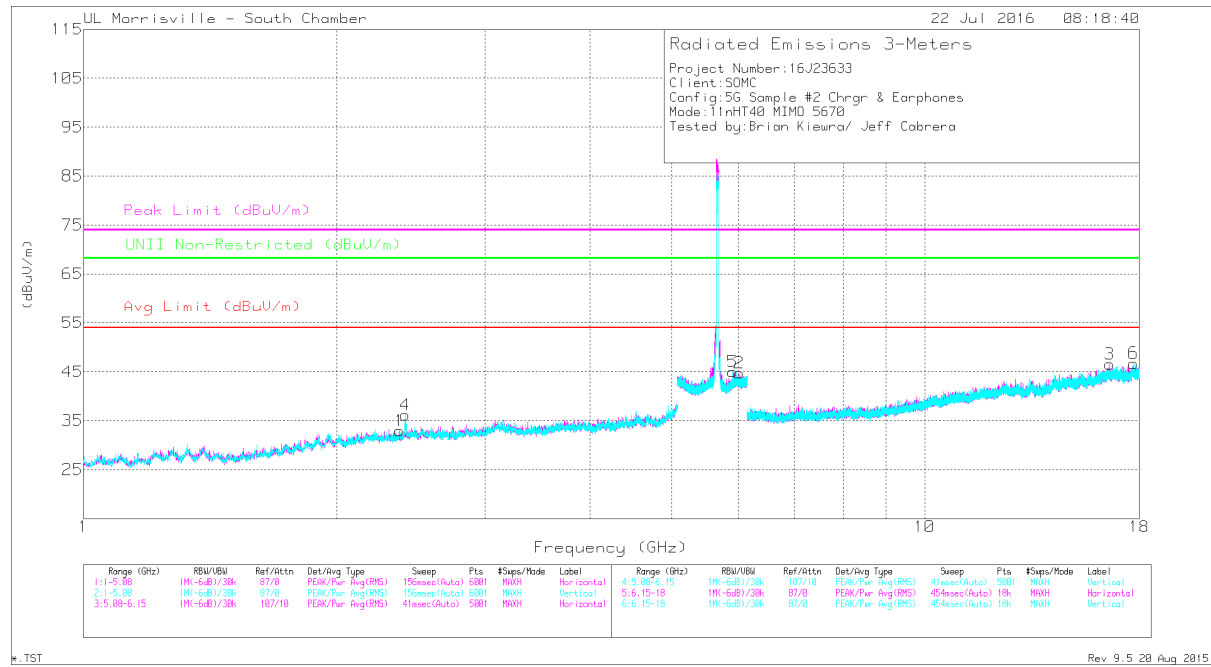
| Frequency (GHz) | Meter Reading (dBuV) | Det  | AF AT0069 (dB/m) | Amp/Ch/Filt/Pad (dB) | DC Corr (dB) | Corrected Reading (dBuV/m) | Avg Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | UNII Non-Restricted (dBuV/m) | PK Margin (dB) | Asimuth (Deg) | Height (cm) | Polarity |
|-----------------|----------------------|------|------------------|----------------------|--------------|----------------------------|--------------------|-------------|---------------------|----------------|------------------------------|----------------|---------------|-------------|----------|
| * 11.635        | 34.74                | PK-U | 38.5             | -25.5                | 0            | 47.74                      | -                  | -           | 74                  | -26.26         | -                            | -              | 97            | 198         | H        |
| * 11.637        | 23.08                | ADR  | 38.5             | -25.5                | -12          | 36.20                      | 54                 | -17.80      | -                   | -              | -                            | -              | 97            | 198         | H        |
| * 16.089        | 35.95                | PK-U | 40.7             | -26.1                | 0            | 50.55                      | -                  | -           | 74                  | -23.45         | -                            | -              | 260           | 104         | V        |
| * 16.087        | 24.58                | ADR  | 40.7             | -26.2                | -12          | 39.20                      | 54                 | -14.80      | -                   | -              | -                            | -              | 260           | 104         | V        |
| 2.413           | 43.6                 | PK-U | 32.3             | -34.7                | 0            | 41.2                       | -                  | -           | -                   | -              | 68.2                         | -27            | 241           | 198         | H        |
| 2.414           | 30.39                | ADR  | 32.3             | -34.7                | -12          | 28.11                      | -                  | -           | -                   | -              | -                            | -              | 241           | 198         | H        |
| 2.46            | 42.64                | PK-U | 32.3             | -34.6                | 0            | 40.34                      | -                  | -           | -                   | -              | 68.2                         | -27.86         | 208           | 198         | V        |
| 2.462           | 29.94                | ADR  | 32.3             | -34.6                | -12          | 27.76                      | -                  | -           | -                   | -              | -                            | -              | 208           | 198         | V        |
| 5.918           | 26.56                | ADR  | 35               | -23.4                | -12          | 38.28                      | -                  | -           | -                   | -              | -                            | -              | 213           | 198         | V        |
| 5.92            | 38.42                | PK-U | 35               | -23.3                | 0            | 50.12                      | -                  | -           | -                   | -              | 68.2                         | -18.08         | 213           | 198         | V        |
| 6.074           | 37.68                | PK-U | 35.3             | -23.2                | 0            | 49.78                      | -                  | -           | -                   | -              | 68.2                         | -18.42         | 243           | 198         | H        |
| 6.075           | 26.3                 | ADR  | 35.3             | -23.2                | -12          | 38.52                      | -                  | -           | -                   | -              | -                            | -              | 243           | 198         | 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

HIGH CHANNEL PLOT



Trace Markers

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF AT0069 (dB/m) | Amp/Ch/Filt/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) | Asimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|------------------|----------------------|--------------|----------------------------|--------------------|-------------|---------------------|----------------|------------------------------|----------------|----------------|-------------|----------|
| 1      | * 2.374         | 35.67                | Pk  | 32               | -34.7                | 0            | 32.97                      | -                  | -           | 74                  | -41.03         | -                            | -              | 0-360          | 101         | H        |
| 6      | * 17.71         | 28.65                | Pk  | 41.2             | -23.1                | 0            | 46.75                      | -                  | -           | 74                  | -27.25         | -                            | -              | 0-360          | 199         | V        |
| 4      | 2.413           | 38.53                | Pk  | 32.3             | -34.7                | 0            | 36.13                      | -                  | -           | -                   | -              | 68.2                         | -32.07         | 0-360          | 102         | V        |
| 5      | 5.916           | 33.42                | Pk  | 35               | -23.4                | 0            | 45.02                      | -                  | -           | -                   | -              | 68.2                         | -23.18         | 0-360          | 101         | V        |
| 2      | 6.019           | 32.87                | Pk  | 35.1             | -23.2                | 0            | 44.77                      | -                  | -           | -                   | -              | 68.2                         | -23.43         | 0-360          | 199         | H        |
| 3      | 16.602          | 29.46                | Pk  | 41.4             | -24.3                | 0            | 46.56                      | -                  | -           | -                   | -              | 68.2                         | -21.64         | 0-360          | 101         | H        |

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

Pk - Peak detector

Radiated Emissions

| Frequency (GHz) | Meter Reading (dBuV) | Det  | AF AT0069 (dB/m) | Amp/Ch/Filt/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) | Asimuth (Degs) | Height (cm) | Polarity |
|-----------------|----------------------|------|------------------|----------------------|--------------|----------------------------|--------------------|-------------|---------------------|----------------|------------------------------|----------------|----------------|-------------|----------|
| * 2.374         | 41.88                | PK-U | 32               | -34.7                | 0            | 39.18                      | -                  | -           | 74                  | -34.82         | -                            | -              | 235            | 102         | H        |
| * 2.375         | 29.84                | ADR  | 32               | -34.7                | -12          | 27.26                      | 54                 | -26.74      | -                   | -              | -                            | -              | 235            | 102         | H        |
| * 17.711        | 34.14                | PK-U | 41.2             | -23.1                | 0            | 52.24                      | -                  | -           | 74                  | -21.76         | -                            | -              | 303            | 198         | V        |
| * 17.712        | 22.8                 | ADR  | 41.2             | -23.1                | -12          | 41.02                      | 54                 | -12.98      | -                   | -              | -                            | -              | 303            | 198         | V        |
| 2.412           | 30.06                | ADR  | 32.3             | -34.7                | -12          | 27.78                      | -                  | -           | -                   | -              | -                            | -              | 254            | 102         | V        |
| 2.415           | 44.37                | PK-U | 32.3             | -34.7                | 0            | 41.97                      | -                  | -           | -                   | -              | 68.2                         | -26.23         | 254            | 102         | V        |
| 5.914           | 26.54                | ADR  | 35               | -23.4                | -12          | 38.26                      | -                  | -           | -                   | -              | -                            | -              | 290            | 103         | V        |
| 5.918           | 38.59                | PK-U | 35               | -23.4                | 0            | 50.19                      | -                  | -           | -                   | -              | 68.2                         | -18.01         | 290            | 103         | V        |
| 6.017           | 26.49                | ADR  | 35.1             | -23.2                | -12          | 38.51                      | -                  | -           | -                   | -              | -                            | -              | 77             | 199         | H        |
| 6.02            | 38.1                 | PK-U | 35.1             | -23.2                | 0            | 50                         | -                  | -           | -                   | -              | 68.2                         | -18.2          | 77             | 199         | H        |
| 16.602          | 23.17                | ADR  | 41.4             | -24.3                | -12          | 40.39                      | -                  | -           | -                   | -              | -                            | -              | 295            | 103         | H        |
| 16.603          | 34.49                | PK-U | 41.4             | -24.3                | 0            | 51.59                      | -                  | -           | -                   | -              | 68.2                         | -16.61         | 295            | 103         | H        |

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

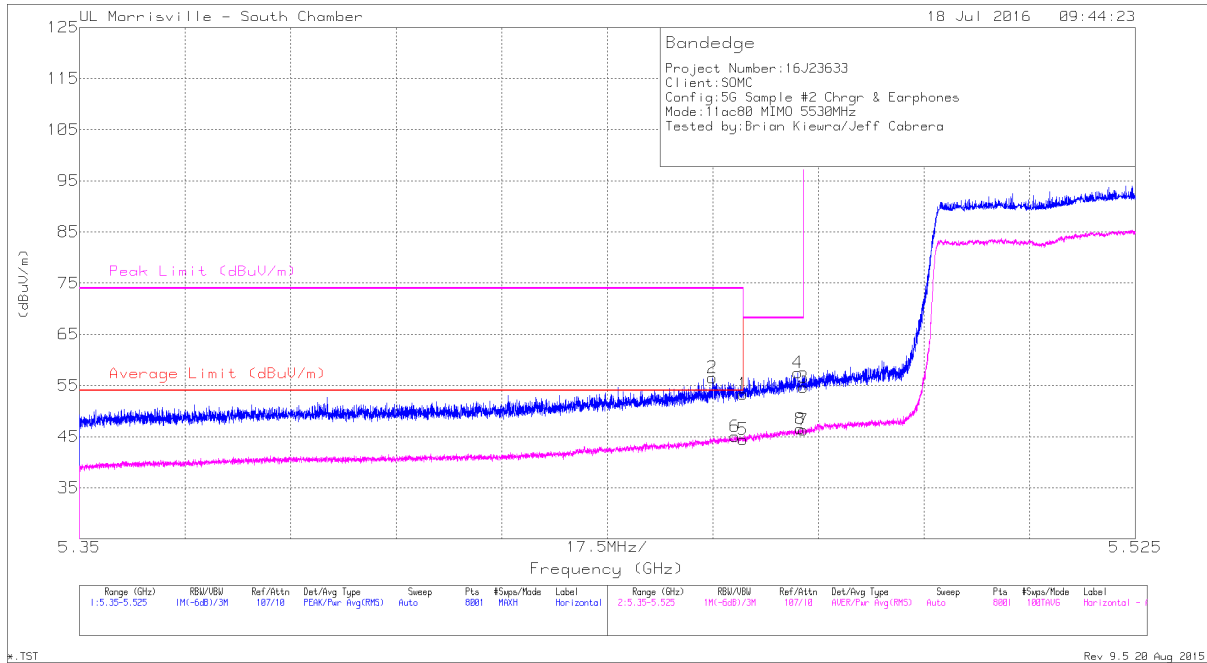
PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

**9.2.12. TX ABOVE 1 GHz 802.11ac HT80 MODE IN THE 5.6 GHz BAND**

**RESTRICTED BANDEGE (LOW CHANNEL)**

**LOW CHANNEL RESTRICTED, HORIZONTAL**



**Trace Markers**

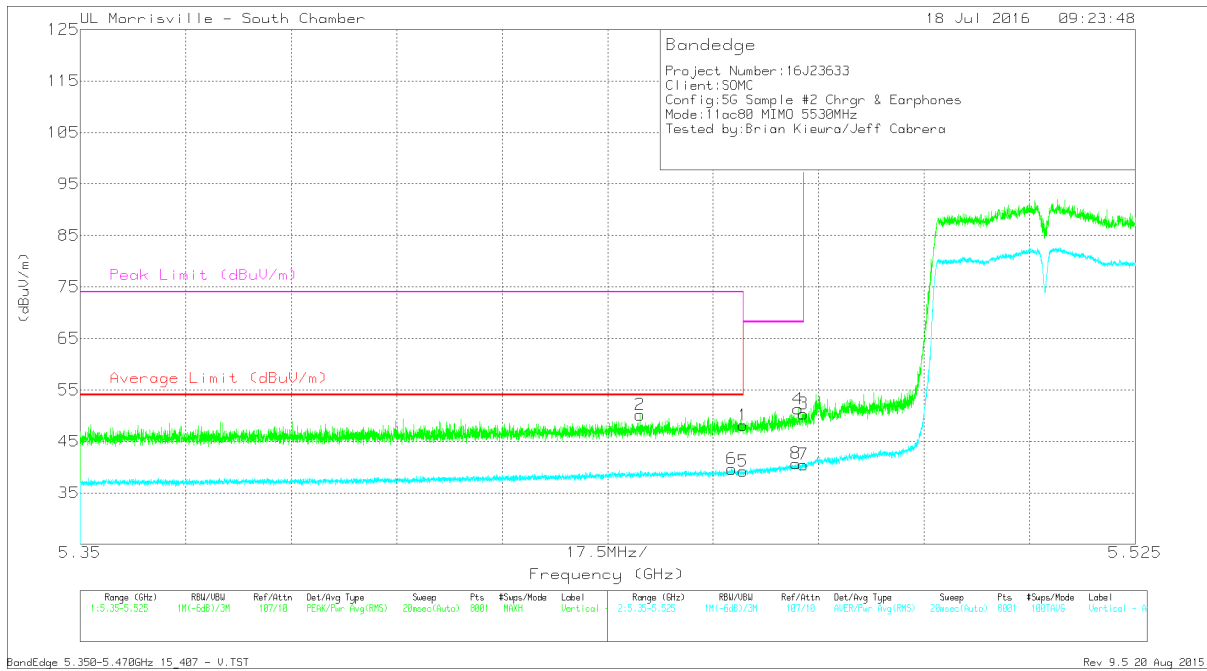
| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF AT0069 (dB/m) | Amp/Cbl/Filtr/Pad (dB) | DC Corr (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|------------------|------------------------|--------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1      | * 5.46          | 42.65                | Pk  | 34.6             | -23.9                  | 0            | 53.35                      | -                      | -           | 74                  | -20.65         | 313            | 109         | H        |
| 2      | * 5.455         | 45.83                | Pk  | 34.6             | -23.9                  | 0            | 56.53                      | -                      | -           | 74                  | -17.47         | 313            | 109         | H        |
| 5      | * 5.46          | 33.52                | RMS | 34.6             | -23.9                  | .26          | 44.48                      | 54                     | -9.52       | -                   | -              | 313            | 109         | H        |
| 6      | * 5.459         | 34.07                | RMS | 34.6             | -23.9                  | .26          | 45.03                      | 54                     | -8.97       | -                   | -              | 313            | 109         | H        |
| 4      | 5.469           | 46.81                | Pk  | 34.6             | -23.9                  | 0            | 57.51                      | -                      | -           | 68.2                | -10.69         | 313            | 109         | H        |
| 3      | 5.47            | 43.92                | Pk  | 34.6             | -23.9                  | 0            | 54.62                      | -                      | -           | 68.2                | -13.58         | 313            | 109         | H        |
| 7      | 5.47            | 35.31                | RMS | 34.6             | -23.9                  | .26          | 46.27                      | -                      | -           | -                   | -              | 313            | 109         | H        |
| 8      | 5.47            | 35.57                | RMS | 34.6             | -23.9                  | .26          | 46.53                      | -                      | -           | -                   | -              | 313            | 109         | H        |

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

Pk - Peak detector

RMS - RMS detection

LOW CHANNEL RESTRICTED, VERTICAL



Trace Markers

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF AT0069 (dB/m) | Amp/Cbl/Ftr/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      | * 5.46          | 37.4                 | Pk  | 34.6             | -23.9                | 0            | 48.1                       | -                      | -           | 74                  | -25.9          | 277            | 110         | V        |
| 2      | * 5.443         | 39.36                | Pk  | 34.6             | -23.8                | 0            | 50.16                      | -                      | -           | 74                  | -23.84         | 277            | 110         | V        |
| 5      | * 5.46          | 28.26                | RMS | 34.6             | -23.9                | .26          | 39.22                      | 54                     | -14.78      | -                   | -              | 277            | 110         | V        |
| 6      | * 5.458         | 28.69                | RMS | 34.6             | -23.9                | .26          | 39.65                      | 54                     | -14.35      | -                   | -              | 277            | 110         | V        |
| 4      | 5.469           | 40.6                 | Pk  | 34.6             | -23.9                | 0            | 51.3                       | -                      | -           | 68.2                | -16.9          | 277            | 110         | V        |
| 8      | 5.469           | 29.74                | RMS | 34.6             | -23.9                | .26          | 40.7                       | -                      | -           | -                   | -              | 277            | 110         | V        |
| 3      | 5.47            | 39.67                | Pk  | 34.6             | -23.9                | 0            | 50.37                      | -                      | -           | 68.2                | -17.83         | 277            | 110         | V        |
| 7      | 5.47            | 29.53                | RMS | 34.6             | -23.9                | .26          | 40.49                      | -                      | -           | -                   | -              | 277            | 110         | V        |

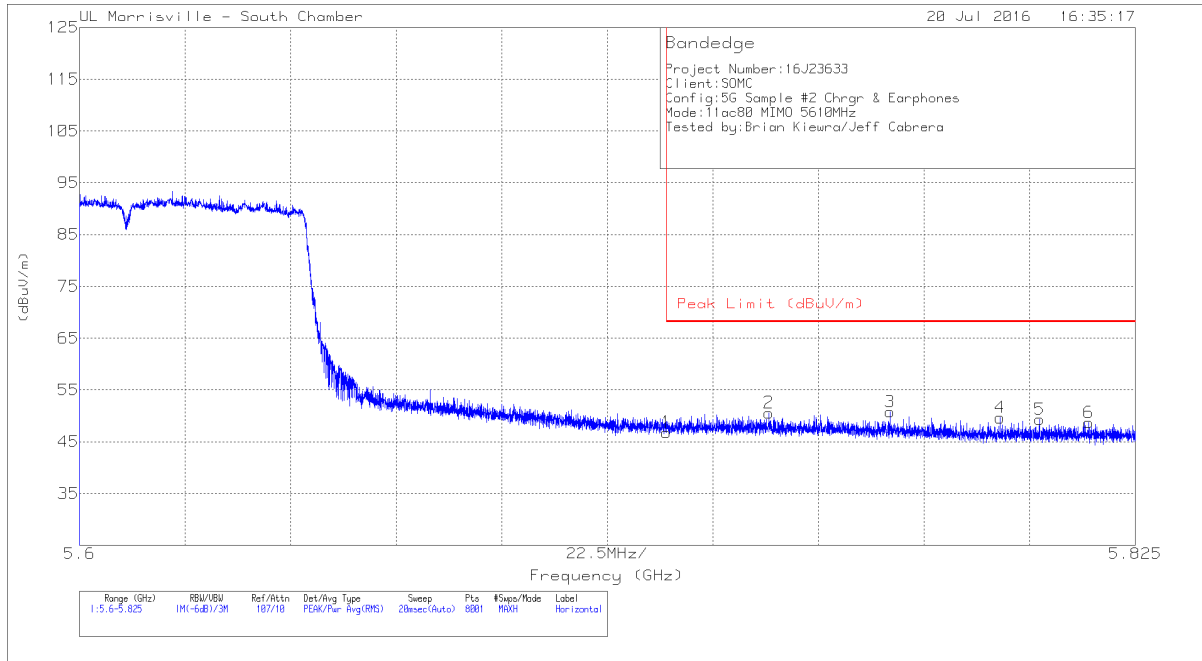
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

**AUTHORIZED BANDEDGE (HIGH CHANNEL)**

**HIGH CHANNEL RESTRICTED, HORIZONTAL**

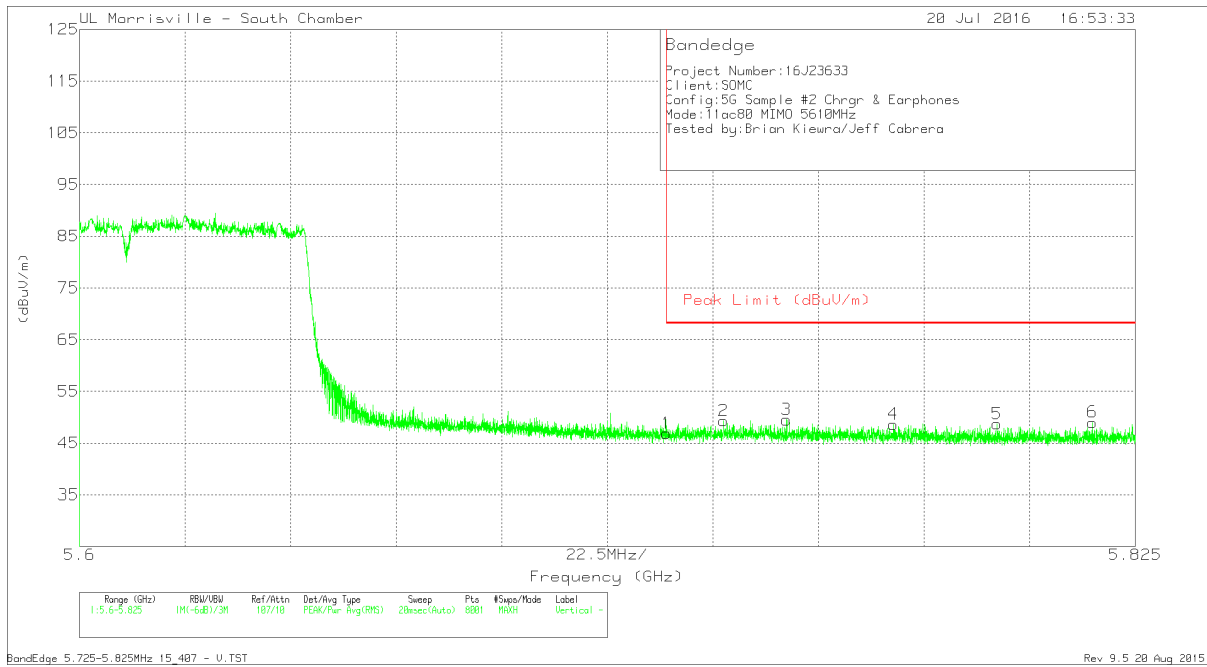


**Trace Markers**

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF AT0069 (dB/m) | Amp/Cbl/Filtr/ Pad (dB) | DC Corr (dB) | Corrected Reading (dBuV/m) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|------------------|-------------------------|--------------|----------------------------|---------------------|----------------|----------------|-------------|----------|
| 1      | 5.725           | 36.03                | Pk  | 34.7             | -23.9                   | 0            | 46.83                      | 68.2                | -21.37         | 315            | 105         | H        |
| 2      | 5.747           | 39.59                | Pk  | 34.7             | -23.7                   | 0            | 50.59                      | 68.2                | -17.61         | 315            | 105         | H        |
| 3      | 5.773           | 39.65                | Pk  | 34.6             | -23.5                   | 0            | 50.75                      | 68.2                | -17.45         | 315            | 105         | H        |
| 4      | 5.796           | 38.65                | Pk  | 34.6             | -23.6                   | 0            | 49.65                      | 68.2                | -18.55         | 315            | 105         | H        |
| 5      | 5.805           | 38.31                | Pk  | 34.6             | -23.6                   | 0            | 49.31                      | 68.2                | -18.89         | 315            | 105         | H        |
| 6      | 5.815           | 37.83                | Pk  | 34.6             | -23.7                   | 0            | 48.73                      | 68.2                | -19.47         | 315            | 105         | H        |

Pk - Peak detector

HIGH CHANNEL RESTRICTED, VERTICAL



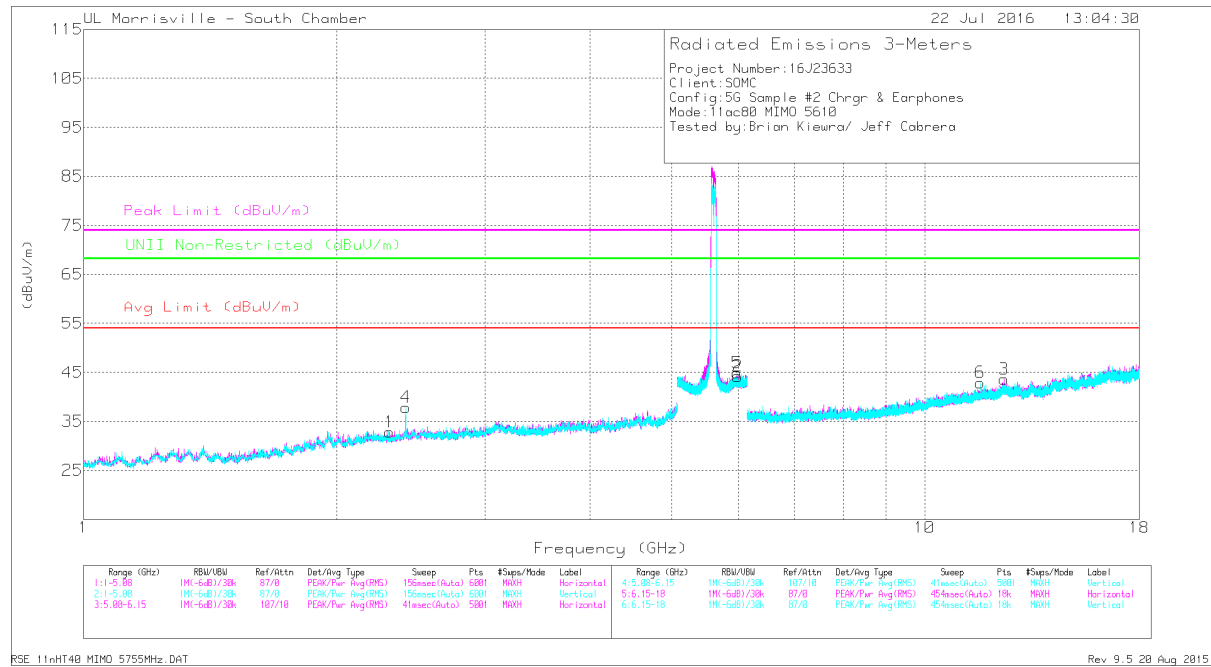
Trace Markers

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF AT0069 (dB/m) | Amp/Cbl/Filtr /Pad (dB) | DC Corr (dB) | Corrected Reading (dBuV/m) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|------------------|-------------------------|--------------|----------------------------|---------------------|----------------|----------------|-------------|----------|
| 1      | 5.725           | 36.09                | Pk  | 34.7             | -23.9                   | 0            | 46.89                      | 68.2                | -21.31         | 273            | 102         | V        |
| 2      | 5.737           | 38.2                 | Pk  | 34.7             | -23.6                   | 0            | 49.3                       | 68.2                | -18.9          | 273            | 102         | V        |
| 3      | 5.751           | 38.52                | Pk  | 34.7             | -23.7                   | 0            | 49.52                      | 68.2                | -18.68         | 273            | 102         | V        |
| 4      | 5.773           | 37.55                | Pk  | 34.6             | -23.5                   | 0            | 48.65                      | 68.2                | -19.55         | 273            | 102         | V        |
| 5      | 5.796           | 37.69                | Pk  | 34.6             | -23.6                   | 0            | 48.69                      | 68.2                | -19.51         | 273            | 102         | V        |
| 6      | 5.816           | 38.02                | Pk  | 34.6             | -23.6                   | 0            | 49.02                      | 68.2                | -19.18         | 273            | 102         | V        |

Pk - Peak detector

**HARMONICS AND SPURIOUS EMISSIONS**

**CHANNEL PLOT**



**Trace Markers**

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF AT0069 (dB/m) | Amp/Ch/Ftr/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) | Asimuth (Deg) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|------------------|---------------------|--------------|----------------------------|--------------------|-------------|---------------------|----------------|------------------------------|----------------|---------------|-------------|----------|
| 1      | * 2.312         | 35.74                | Pk  | 31.7             | -34.6               | 0            | 32.84                      | -                  | -           | 74                  | -41.16         | -                            | -              | 0-360         | 199         | H        |
| 3      | * 12.441        | 29.48                | Pk  | 39               | -24.9               | 0            | 43.58                      | -                  | -           | 74                  | -30.42         | -                            | -              | 0-360         | 199         | H        |
| 6      | * 11.644        | 30                   | Pk  | 38.5             | -25.6               | 0            | 42.9                       | -                  | -           | 74                  | -31.1          | -                            | -              | 0-360         | 199         | V        |
| 4      | 2.415           | 40.27                | Pk  | 32.3             | -34.7               | 0            | 37.87                      | -                  | -           | -                   | -              | 68.2                         | -30.33         | 0-360         | 102         | V        |
| 5      | 5.986           | 33                   | Pk  | 35               | -23.1               | 0            | 44.9                       | -                  | -           | -                   | -              | 68.2                         | -23.3          | 0-360         | 102         | V        |
| 2      | 5.998           | 32.3                 | Pk  | 35               | -23.1               | 0            | 44.2                       | -                  | -           | -                   | -              | 68.2                         | -24            | 0-360         | 199         | H        |

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

Pk - Peak detector

**Radiated Emissions**

| Frequency (GHz) | Meter Reading (dBuV) | Det  | AF AT0069 (dB/m) | Amp/Ch/Ftr/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) | Asimuth (Deg) | Height (cm) | Polarity |
|-----------------|----------------------|------|------------------|---------------------|--------------|----------------------------|--------------------|-------------|---------------------|----------------|------------------------------|----------------|---------------|-------------|----------|
| * 2.312         | 41.54                | PK-U | 31.7             | -34.6               | 0            | 38.64                      | -                  | -           | 74                  | -35.36         | -                            | -              | 143           | 164         | H        |
| * 2.314         | 29.72                | ADR  | 31.7             | -34.6               | .26          | 27.08                      | 54                 | -26.92      | -                   | -              | -                            | -              | 143           | 164         | H        |
| * 12.441        | 34.51                | PK-U | 39               | -24.9               | 0            | 48.61                      | -                  | -           | 74                  | -25.39         | -                            | -              | 130           | 198         | H        |
| * 12.442        | 22.9                 | ADR  | 39.1             | -24.8               | .26          | 37.46                      | 54                 | -16.54      | -                   | -              | -                            | -              | 130           | 198         | H        |
| * 11.644        | 34.63                | PK-U | 38.5             | -25.6               | 0            | 47.53                      | -                  | -           | 74                  | -26.47         | -                            | -              | 168           | 198         | V        |
| * 11.646        | 23.06                | ADR  | 38.5             | -25.6               | .26          | 36.22                      | 54                 | -17.78      | -                   | -              | -                            | -              | 168           | 198         | V        |
| 2.415           | 45.19                | PK-U | 32.3             | -34.7               | 0            | 42.79                      | -                  | -           | -                   | -              | 68.2                         | -25.41         | 295           | 104         | V        |
| 2.415           | 31.32                | ADR  | 32.3             | -34.7               | .26          | 29.18                      | -                  | -           | -                   | -              | -                            | -              | 295           | 104         | V        |
| 5.985           | 26.72                | ADR  | 35               | -23.1               | .26          | 38.88                      | -                  | -           | -                   | -              | -                            | -              | 298           | 104         | V        |
| 5.987           | 38                   | PK-U | 35               | -23.1               | 0            | 49.9                       | -                  | -           | -                   | -              | 68.2                         | -18.3          | 298           | 104         | V        |
| 5.997           | 38.06                | PK-U | 35               | -23.1               | 0            | 49.96                      | -                  | -           | -                   | -              | 68.2                         | -18.24         | 125           | 198         | H        |
| 5.999           | 26.59                | ADR  | 35               | -23.1               | .26          | 38.75                      | -                  | -           | -                   | -              | -                            | -              | 125           | 198         | H        |

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

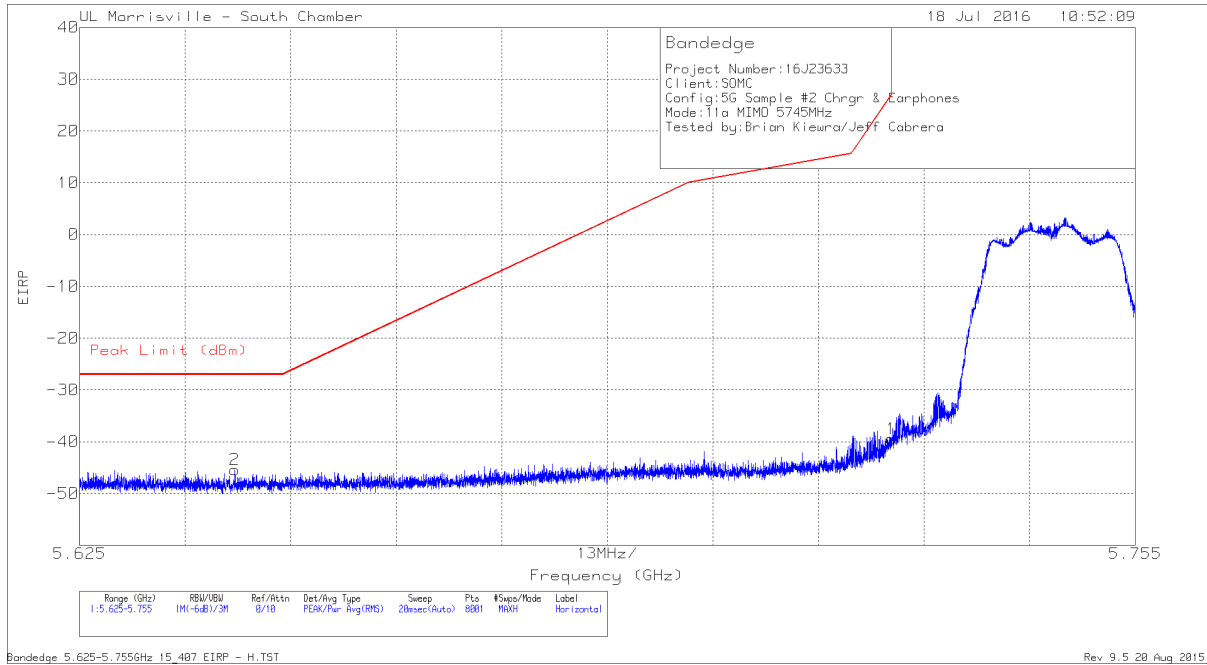
PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

**9.2.13. TX ABOVE 1 GHz 802.11a MODE IN THE 5.8 GHz BAND**

**RESTRICTED BANDEDGE (LOW CHANNEL)**

**LOW CHANNEL RESTRICTED, HORIZONTAL**



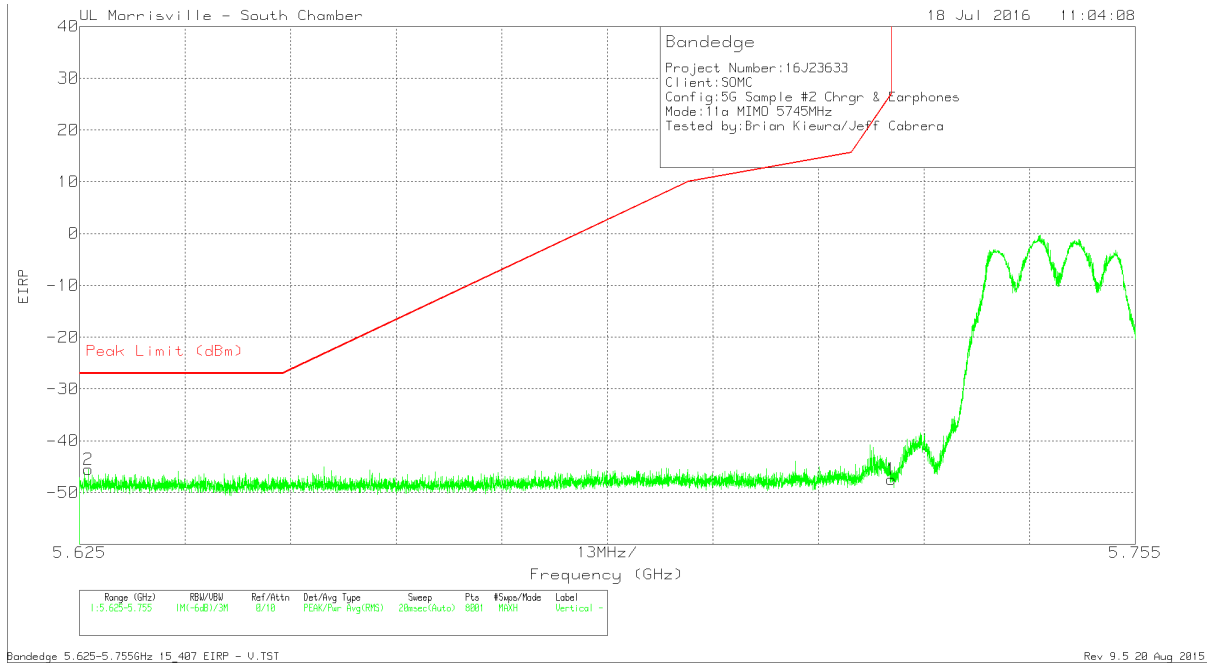
**Trace Markers**

| Marker | Frequency (GHz) | Meter Reading (dBm) | Det | AF AT0069 (dB/m) | Amp/Cbl/Filtr/Pad (dB) | Conversion Factor (dB) | DC Corr (dB) | Corrected Reading EIRP | Peak Limit (dBm) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|---------------------|-----|------------------|------------------------|------------------------|--------------|------------------------|------------------|----------------|----------------|-------------|----------|
| 2      | 5.644           | -68.09              | Pk  | 34.7             | -23.8                  | 11.8                   | 0            | -45.39                 | -27              | -18.39         | 319            | 116         | H        |
| 1      | 5.725           | -62.05              | Pk  | 34.7             | -23.9                  | 11.8                   | 0            | -39.45                 | 26.97            | -66.42         | 319            | 116         | H        |

Pk - Peak detector



LOW CHANNEL RESTRICTED, VERTICAL



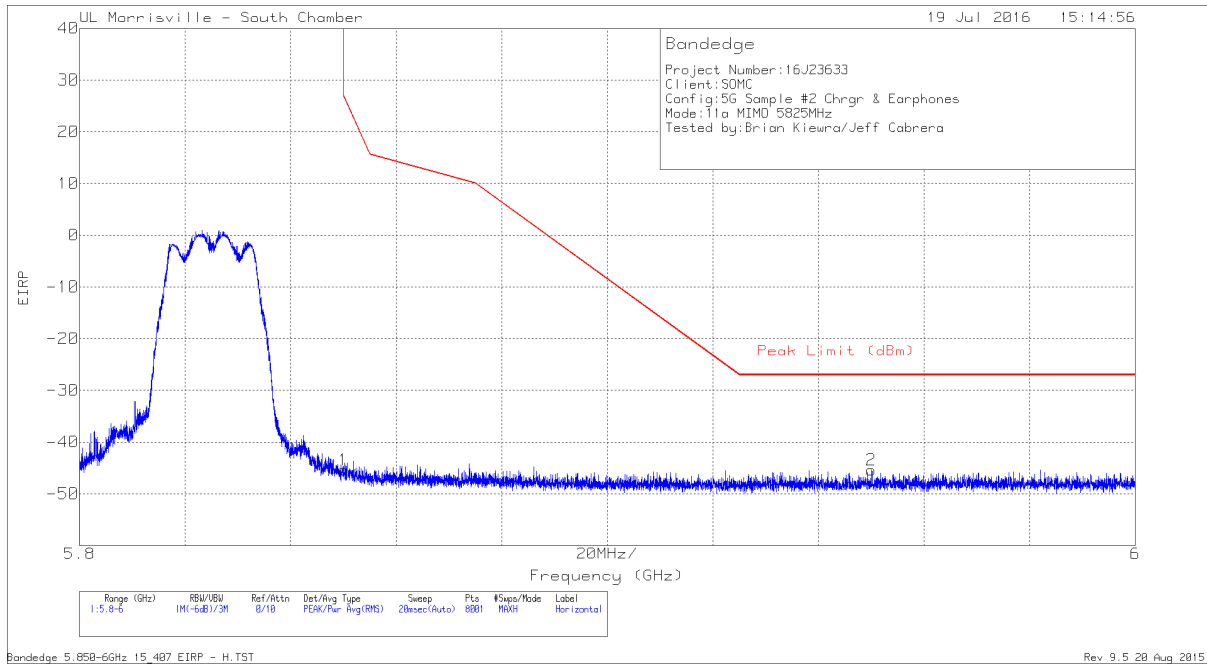
Trace Markers

| Marker | Frequency (GHz) | Meter Reading (dBm) | Det | AF AT0069 (dB/m) | Amp/Cbl/Filtr/Pad (dB) | Conversion Factor (dB) | Corrected Reading EIRP | Peak Limit (dBm) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|---------------------|-----|------------------|------------------------|------------------------|------------------------|------------------|----------------|----------------|-------------|----------|
| 1      | 5.725           | -70.03              | Pk  | 34.7             | -23.9                  | 11.8                   | -47.43                 | 26.97            | -74.4          | 278            | 102         | V        |
| 2      | 5.626           | -68.36              | Pk  | 34.7             | -23.7                  | 11.8                   | -45.56                 | -27              | -18.56         | 278            | 102         | V        |

Pk - Peak detector

**AUTHORIZED BANDEDGE (HIGH CHANNEL)**

**HIGH CHANNEL BANDEDGE, HORIZONTAL**

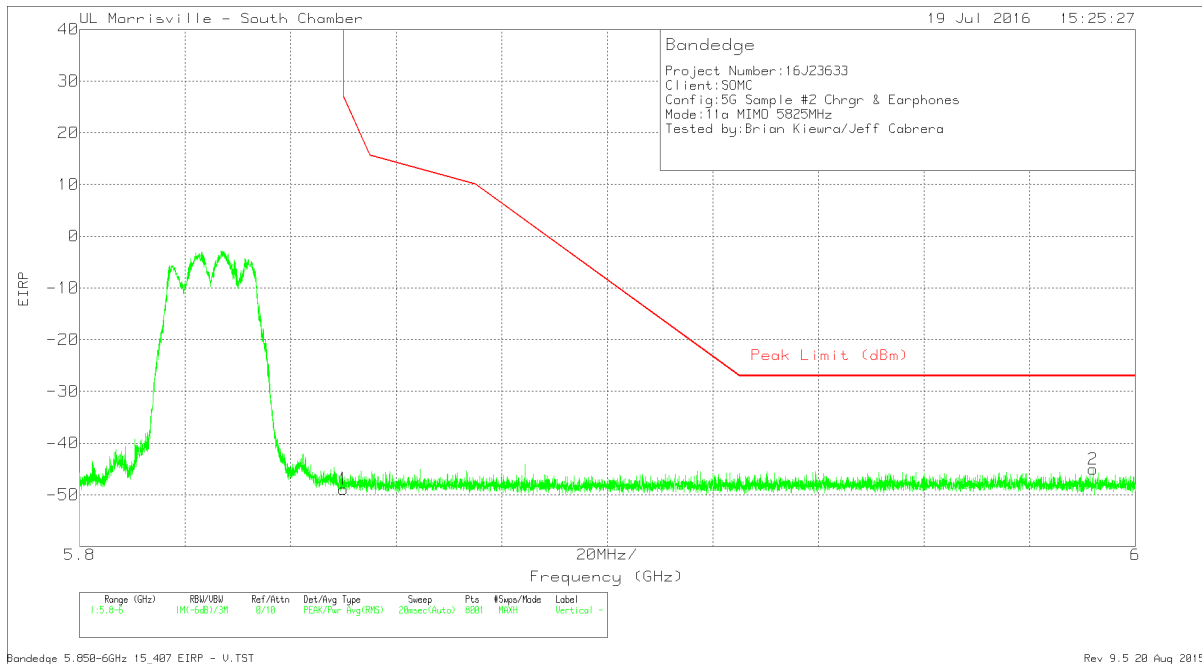


**Trace Markers**

| Marker | Frequency (GHz) | Meter Reading (dBm) | Det | AF AT0069 (dB/m) | Amp/Cbl/Fltr/Pad (dB) | Conversion Factor (dB) | DC Corr (dB) | Corrected Reading EIRP | Peak Limit (dBm) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|---------------------|-----|------------------|-----------------------|------------------------|--------------|------------------------|------------------|----------------|----------------|-------------|----------|
| 1      | 5.85            | -68.4               | Pk  | 34.7             | -23.5                 | 11.8                   | 0            | -45.4                  | 26.94            | -72.34         | 323            | 105         | H        |
| 2      | 5.95            | -69.07              | Pk  | 35.1             | -23.2                 | 11.8                   | 0            | -45.37                 | -27              | -18.37         | 323            | 105         | H        |

Pk - Peak detector

HIGH CHANNEL BANDEDGE, VERTICAL



Bandedge 5.850-6.000 15.407 EIRP - U.TST

Rev 9.5 28 Aug 2015

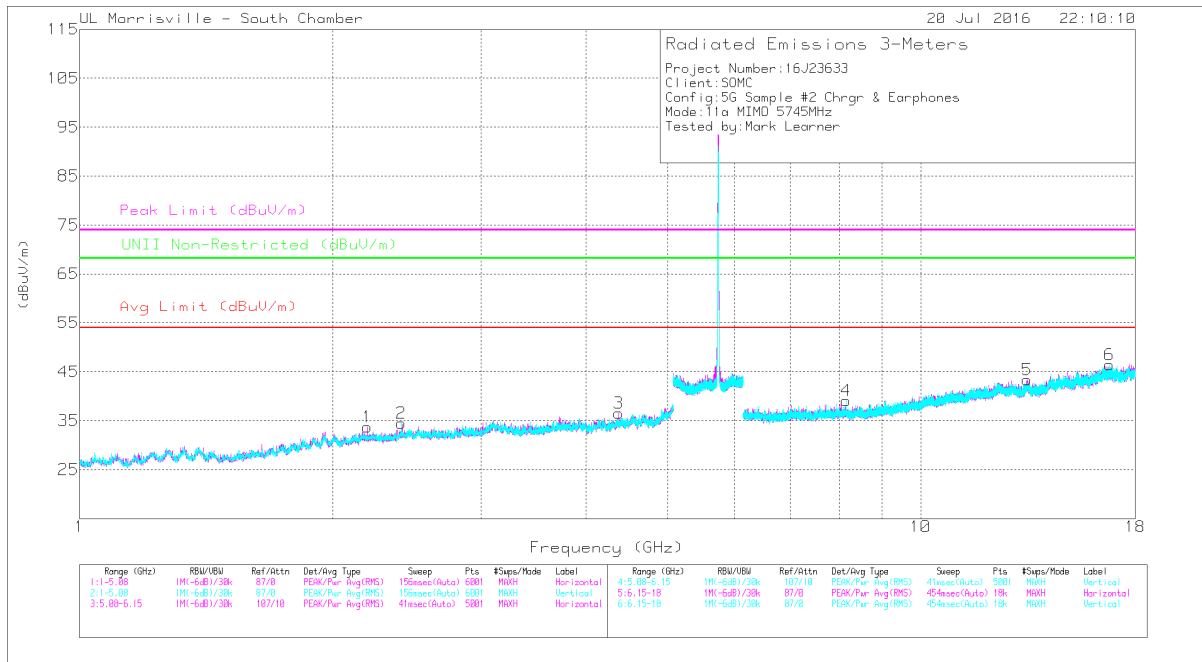
Trace Markers

| Marker | Frequency (GHz) | Meter Reading (dBm) | Det | AF AT0069 (dB/m) | Amp/Cbl/Fltr/Pad (dB) | Conversion Factor (dB) | DC Corr (dB) | Corrected Reading EIRP | Peak Limit (dBm) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|---------------------|-----|------------------|-----------------------|------------------------|--------------|------------------------|------------------|----------------|----------------|-------------|----------|
| 1      | 5.85            | -71.89              | Pk  | 34.7             | -23.5                 | 11.8                   | 0            | -48.89                 | 26.94            | -75.83         | 323            | 119         | V        |
| 2      | 5.992           | -68.75              | Pk  | 35               | -23.1                 | 11.8                   | 0            | -45.05                 | -27              | -18.05         | 323            | 119         | V        |

Pk - Peak detector

**HARMONICS AND SPURIOUS EMISSIONS**

**LOW CHANNEL PLOT**



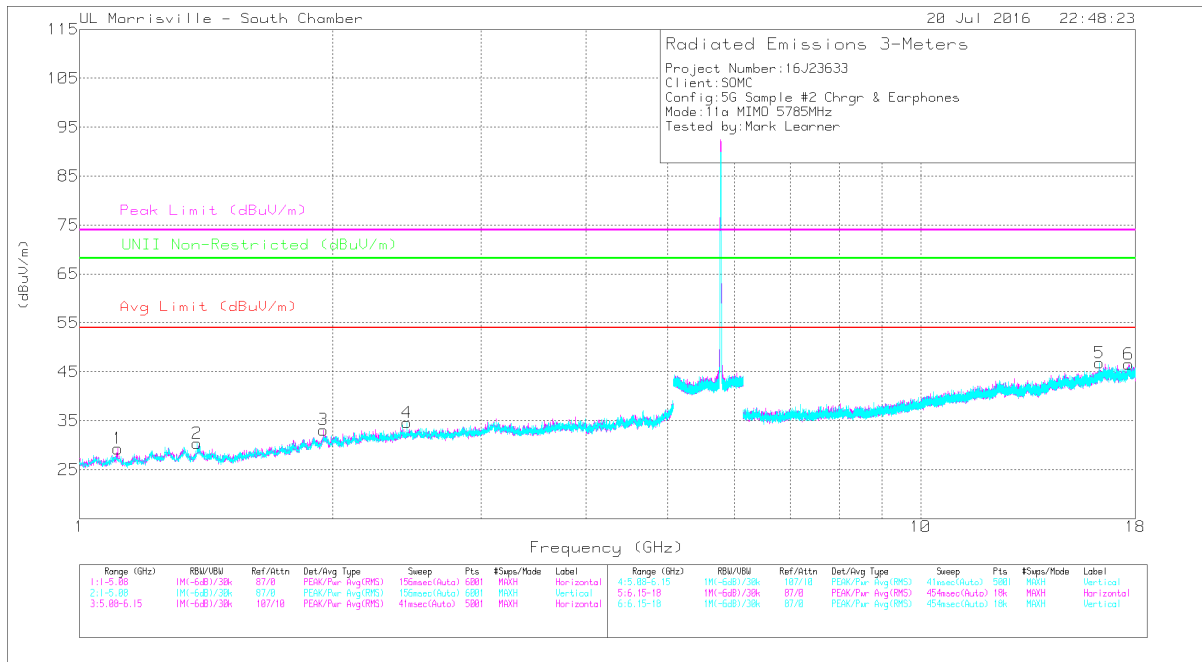
| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det  | AF AT0069 (dB/m) | Amp/Cbl/Fitr/Pad (dB) | DC Corr (dB) | Corrected Reading (dBuV/m) | Avg Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | UNII Non-Restricted (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|------|------------------|-----------------------|--------------|----------------------------|--------------------|-------------|---------------------|----------------|------------------------------|----------------|----------------|-------------|----------|
| 3      | * 4.374         | 39.52                | PK-U | 33.7             | -31.9                 | 0            | 41.32                      | -                  | -           | 74                  | -32.68         | -                            | -              | 0              | 102         | H        |
|        | * 4.373         | 28.74                | ADR  | 33.7             | -31.9                 | 0            | 30.54                      | 54                 | -23.46      | -                   | -              | -                            | -              | 0              | 102         | H        |
| 5      | * 13.381        | 34.84                | PK-U | 39.1             | -25                   | 0            | 48.94                      | -                  | -           | 74                  | -25.06         | -                            | -              | 0              | 104         | H        |
|        | * 13.381        | 24.19                | ADR  | 39.1             | -25                   | 0            | 38.29                      | 54                 | -15.71      | -                   | -              | -                            | -              | 0              | 104         | H        |
| 4      | * 8.155         | 37.6                 | PK-U | 35.8             | -28.4                 | 0            | 45                         | -                  | -           | 74                  | -29            | -                            | -              | 0              | 199         | V        |
|        | * 8.152         | 25.64                | ADR  | 35.8             | -28.4                 | 0            | 33.04                      | 54                 | -20.96      | -                   | -              | -                            | -              | 0              | 199         | V        |
| 1      | 2.199           | 41.82                | PK-U | 31.9             | -34.6                 | 0            | 39.12                      | -                  | -           | -                   | -              | 68.2                         | -29.08         | 0              | 102         | H        |
| 2      | 2.413           | 43.22                | PK-U | 32.3             | -34.7                 | 0            | 40.82                      | -                  | -           | -                   | -              | 68.2                         | -27.38         | 0              | 102         | V        |
| 6      | 16.773          | 35.95                | PK-U | 41.6             | -25.6                 | 0            | 51.95                      | -                  | -           | -                   | -              | 68.2                         | -16.25         | 0              | 198         | 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

MID CHANNEL PLOT



Trace Markers

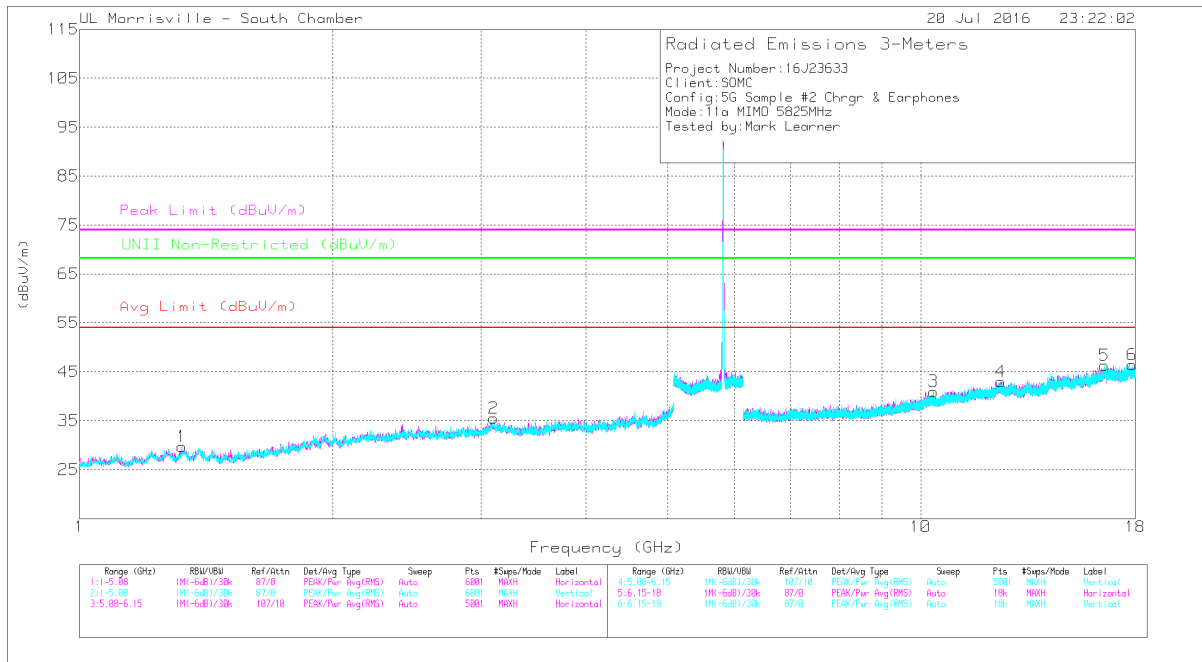
| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det  | AF AT0069 (dB/m) | Amp/Cb/Fltr/Pad (dB) | DC Corr (dB) | Corrected Reading (dBuV/m) | Avg Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | UNII Non-Restricted (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|------|------------------|----------------------|--------------|----------------------------|--------------------|-------------|---------------------|----------------|------------------------------|----------------|----------------|-------------|----------|
| 1      | * 1.109         | 43.06                | PK-U | 27.7             | -35.8                | 0            | 34.96                      | -                  | -           | 74                  | -39.04         | -                            | -              | 1              | 102         | H        |
|        | * 1.109         | 31.36                | ADR  | 27.7             | -35.8                | 0            | 23.26                      | 54                 | -30.74      | -                   | -              | -                            | -              | 1              | 102         | H        |
| 2      | * 1.378         | 42.32                | PK-U | 28.8             | -35.2                | 0            | 35.92                      | -                  | -           | 74                  | -38.08         | -                            | -              | 1              | 198         | V        |
|        | * 1.378         | 30.87                | ADR  | 28.8             | -35.2                | 0            | 24.47                      | 54                 | -29.53      | -                   | -              | -                            | -              | 1              | 198         | V        |
| 3      | 1.95            | 42.81                | PK-U | 31.2             | -34.6                | 0            | 39.41                      | -                  | -           | -                   | -              | 68.2                         | -28.79         | 1              | 102         | H        |
| 4      | 2.451           | 41.39                | PK-U | 32.3             | -34.6                | 0            | 39.09                      | -                  | -           | -                   | -              | 68.2                         | -29.11         | 1              | 104         | V        |
| 5      | 16.306          | 34.84                | PK-U | 40.8             | -24.6                | 0            | 51.04                      | -                  | -           | -                   | -              | 68.2                         | -17.16         | 1              | 199         | V        |
| 6      | 17.673          | 33.68                | PK-U | 41.2             | -23.1                | 0            | 51.78                      | -                  | -           | -                   | -              | 68.2                         | -16.42         | 1              | 104         | 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

HIGH CHANNEL PLOT



Trace Markers

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det  | AF AT0069 (dB/m) | Amp/Cbl/ Ftr/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      | * 1.322         | 42.8                 | PK-U | 28.8             | -35.4                 | 0            | 36.2                       | -                  | -           | 74                  | -37.8          | -                            | -              | 0              | 199         | H        |
|        | * 1.324         | 30.93                | ADR  | 28.8             | -35.4                 | 0            | 24.33                      | 54                 | -29.67      | -                   | -              | -                            | -              | 0              | 199         | H        |
| 4      | * 12.458        | 35.03                | PK-U | 39.1             | -24.8                 | 0            | 49.33                      | -                  | -           | 74                  | -24.67         | -                            | -              | 210            | 104         | H        |
|        | * 12.457        | 22.9                 | ADR  | 39.1             | -24.8                 | 0            | 37.2                       | 54                 | -16.8       | -                   | -              | -                            | -              | 210            | 104         | H        |
| 6      | * 17.845        | 34.59                | PK-U | 41.2             | -23.5                 | 0            | 52.29                      | -                  | -           | 74                  | -21.71         | -                            | -              | 60             | 198         | V        |
|        | * 17.845        | 22.83                | ADR  | 41.2             | -23.5                 | 0            | 40.53                      | 54                 | -13.47      | -                   | -              | -                            | -              | 60             | 198         | V        |
| 2      | 3.107           | 41.36                | PK-U | 33.9             | -33.9                 | 0            | 41.36                      | -                  | -           | -                   | -              | 68.2                         | -26.84         | 0              | 199         | V        |
| 3      | 10.356          | 34.45                | PK-U | 37.5             | -26                   | 0            | 45.95                      | -                  | -           | -                   | -              | 68.2                         | -22.25         | 324            | 104         | H        |
| 5      | 16.536          | 35.12                | PK-U | 41.3             | -24.1                 | 0            | 52.32                      | -                  | -           | -                   | -              | 68.2                         | -15.88         | 42             | 104         | V        |

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

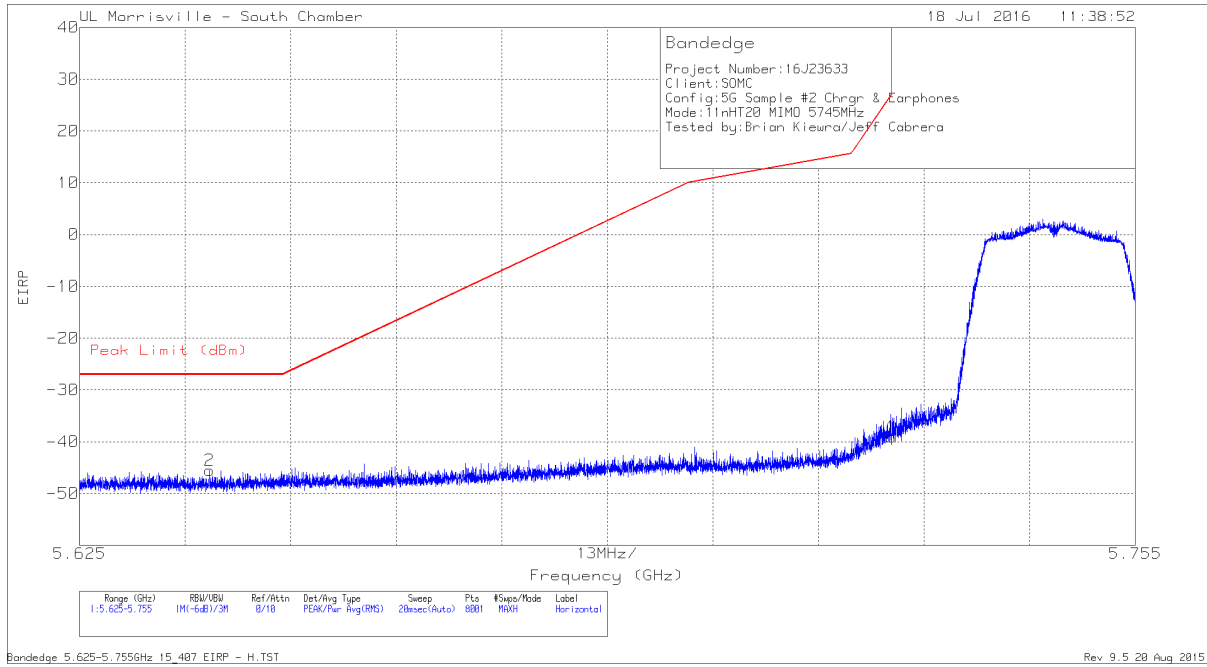
PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

**9.2.14. TX ABOVE 1 GHz 802.11n HT20 MODE IN THE 5.8 GHz BAND**

**RESTRICTED BANDEDGE (LOW CHANNEL)**

**LOW CHANNEL RESTRICTED, HORIZONTAL**

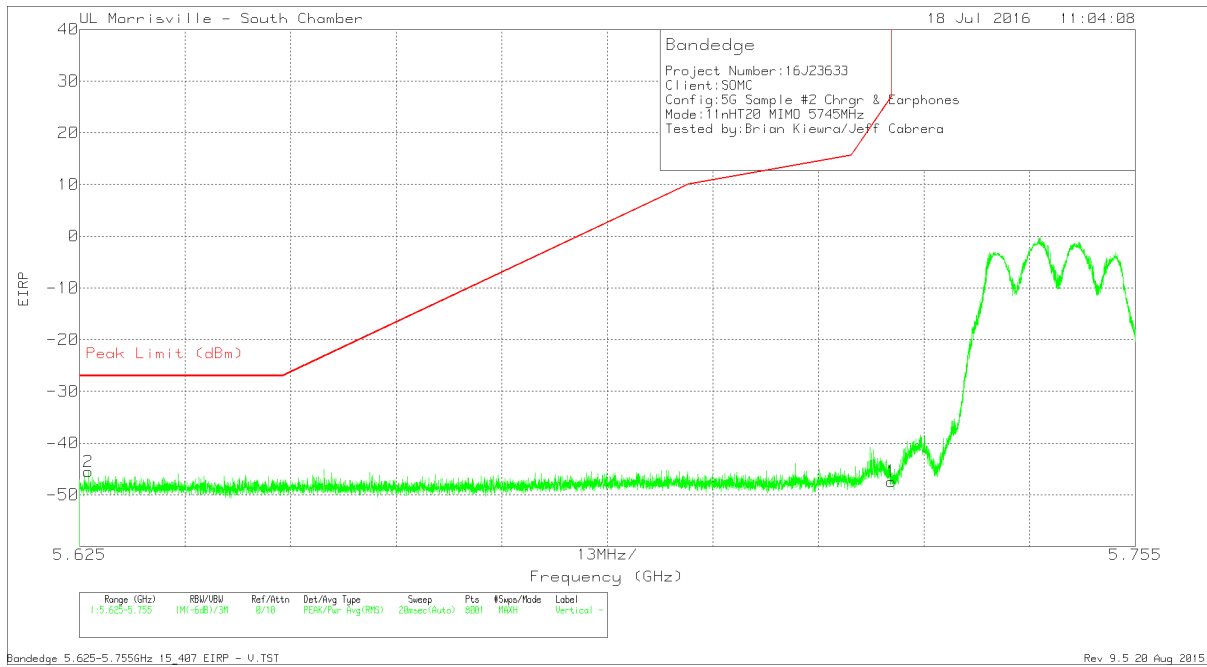


**Trace Markers**

| Marker | Frequency (GHz) | Meter Reading (dBm) | Det | AF AT0069 (dB/m) | Amp/Cbl/FI tr/Pad (dB) | Conversion Factor (dB) | DC Corr (dB) | Corrected Reading EIRP | Peak Limit (dBm) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|---------------------|-----|------------------|------------------------|------------------------|--------------|------------------------|------------------|----------------|----------------|-------------|----------|
| 2      | 5.641           | -68.23              | Pk  | 34.7             | -23.8                  | 11.8                   | 0            | -45.53                 | -27              | -18.53         | 307            | 118         | H        |
| 1      | 5.725           | -61.67              | Pk  | 34.7             | -23.9                  | 11.8                   | 0            | -39.07                 | 26.97            | -66.04         | 307            | 118         | H        |

Pk - Peak detector

LOW CHANNEL RESTRICTED, VERTICAL



Trace Markers

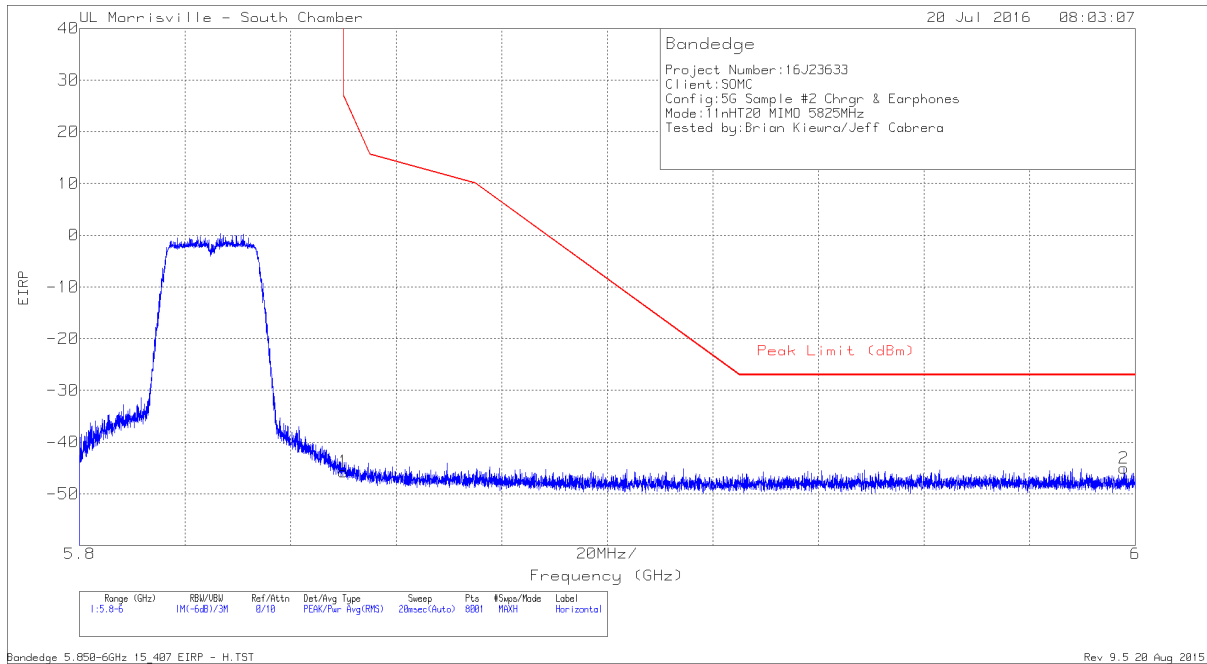
| Marker | Frequency (GHz) | Meter Reading (dBm) | Det | AF AT0069 (dB/m) | Amp/Cb/Fltr/Pad (dB) | Conversion Factor (dB) | DC Corr (dB) | Corrected Reading EIRP | Peak Limit (dBm) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|---------------------|-----|------------------|----------------------|------------------------|--------------|------------------------|------------------|----------------|----------------|-------------|----------|
| 2      | 5.626           | -68.36              | Pk  | 34.7             | -23.7                | 11.8                   | 0            | -45.56                 | -27              | -18.56         | 278            | 102         | V        |
| 1      | 5.725           | -70.03              | Pk  | 34.7             | -23.9                | 11.8                   | 0            | -47.43                 | 26.97            | -74.4          | 278            | 102         | V        |

Pk - Peak detector



**AUTHORIZED BANDEDGE (HIGH CHANNEL)**

**HIGH CHANNEL BANDEDGE, HORIZONTAL**



Bandedge 5.850-6GHz 15.407 EIRP - H.TST

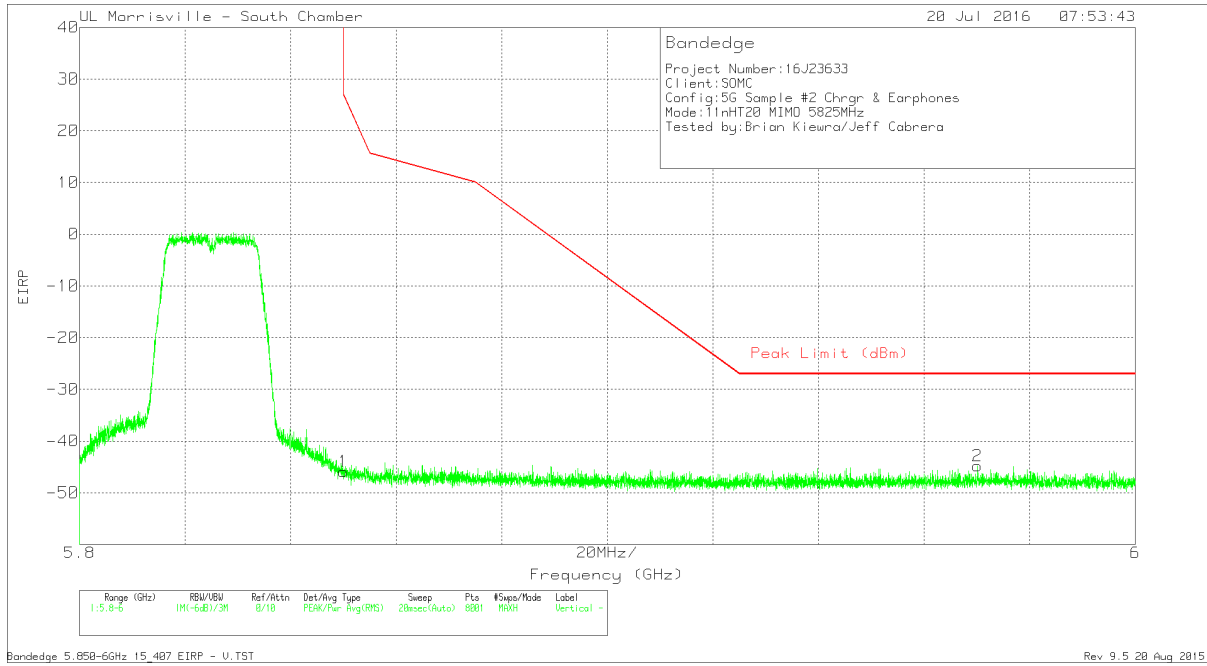
Rev 9.5 20 Aug 2015

**Trace Markers**

| Marker | Frequency (GHz) | Meter Reading (dBm) | Det | AF AT0069 (dB/m) | Amp/Cbl/Filtr/Pad (dB) | Conversion Factor (dB) | DC Corr (dB) | Corrected Reading EIRP | Peak Limit (dBm) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|---------------------|-----|------------------|------------------------|------------------------|--------------|------------------------|------------------|----------------|----------------|-------------|----------|
| 1      | 5.85            | -68.71              | Pk  | 34.7             | -23.5                  | 11.8                   | 0            | -45.71                 | 26.94            | -72.65         | 314            | 336         | H        |
| 2      | 5.998           | -68.76              | Pk  | 35               | -23.1                  | 11.8                   | 0            | -45.06                 | -27              | -18.06         | 314            | 336         | H        |

Pk - Peak detector

HIGH CHANNEL BANDEDGE, VERTICAL

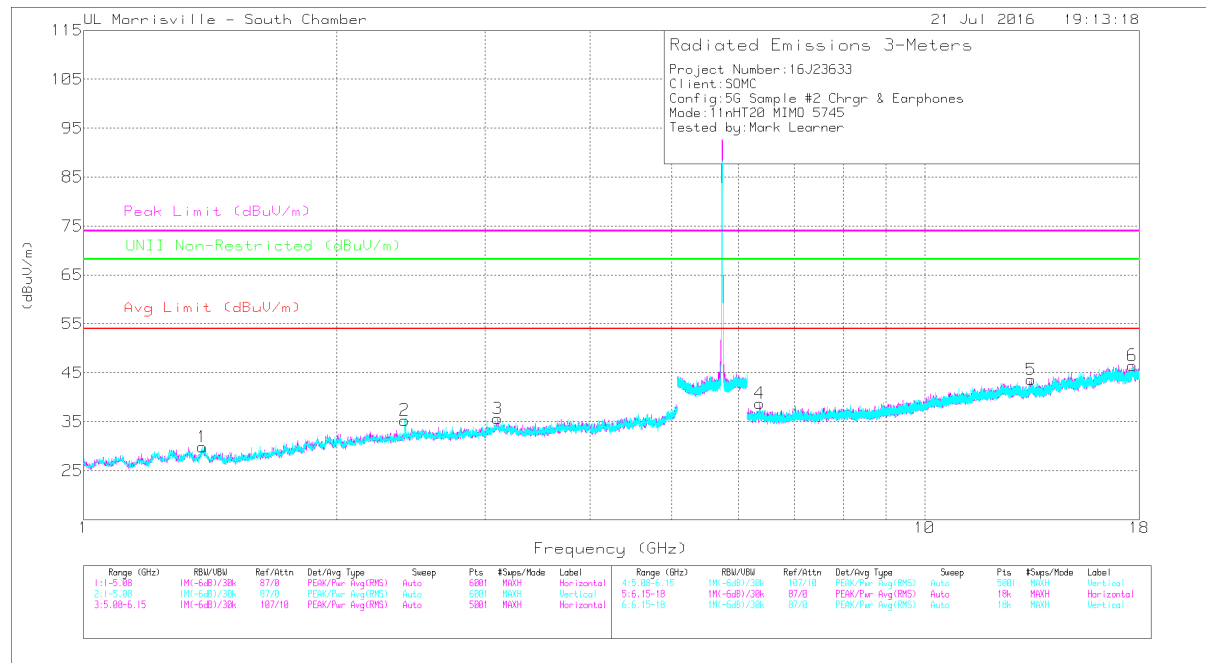


Trace Markers

| Marker | Frequency (GHz) | Meter Reading (dBm) | Det | AF AT0069 (dB/m) | Amp/Cb/Fltr/Pad (dB) | Conversion Factor (dB) | DC Corr (dB) | Corrected Reading EIRP | Peak Limit (dBm) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|---------------------|-----|------------------|----------------------|------------------------|--------------|------------------------|------------------|----------------|----------------|-------------|----------|
| 1      | 5.85            | -68.86              | Pk  | 34.7             | -23.5                | 11.8                   | 0            | -45.86                 | 26.94            | -72.8          | 226            | 266         | V        |
| 2      | 5.97            | -68.72              | Pk  | 35.1             | -23                  | 11.8                   | 0            | -44.82                 | -27              | -17.82         | 226            | 266         | V        |

Pk - Peak detector

**HARMONICS AND SPURIOUS EMISSIONS**  
**LOW CHANNEL PLOT**

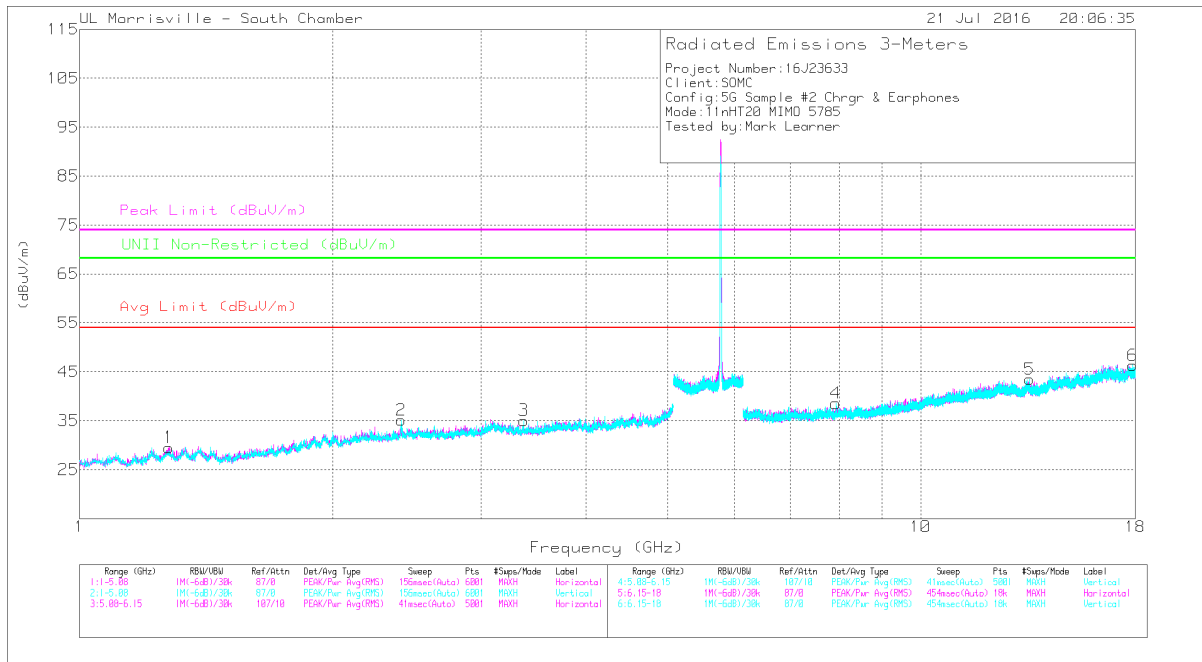


**Trace Markers**

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det  | AF AT0069 (dB/m) | Amp/Cou/Filt/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) | Asimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|------|------------------|-----------------------|--------------|----------------------------|--------------------|-------------|---------------------|----------------|------------------------------|----------------|----------------|-------------|----------|
| 1      | * 1.383         | 42.59                | PK-U | 28.8             | -35.2                 | 0            | 36.19                      | -                  | -           | 74                  | -37.81         | -                            | -              | 1              | 102         | V        |
|        | * 1.382         | 31.21                | ADR  | 28.8             | -35.2                 | 0            | 24.81                      | 54                 | -29.19      | -                   | -              | -                            | -              | 1              | 102         | V        |
| 5      | * 13.387        | 34.88                | PK-U | 39.1             | -24.9                 | 0            | 49.08                      | -                  | -           | 74                  | -24.92         | -                            | -              | 197            | 104         | H        |
|        | * 13.388        | 24.22                | ADR  | 39               | -24.9                 | 0            | 38.32                      | 54                 | -15.68      | -                   | -              | -                            | -              | 197            | 104         | H        |
| 2      | 2.411           | 44.24                | PK-U | 32.3             | -34.7                 | 0            | 41.84                      | -                  | -           | -                   | -              | 68.2                         | -26.36         | 230            | 104         | V        |
| 3      | 3.108           | 42.21                | PK-U | 33.9             | -33.9                 | 0            | 42.21                      | -                  | -           | -                   | -              | 68.2                         | -25.99         | 71             | 198         | H        |
| 4      | 6.367           | 37.77                | PK-U | 35.4             | -29.8                 | 0            | 43.37                      | -                  | -           | -                   | -              | 68.2                         | -24.83         | 197            | 104         | H        |
| 6      | 17.654          | 35.01                | PK-U | 41.2             | -23.5                 | 0            | 52.71                      | -                  | -           | -                   | -              | 68.2                         | -15.49         | 222            | 198         | 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

MID CHANNEL PLOT



Trace Markers

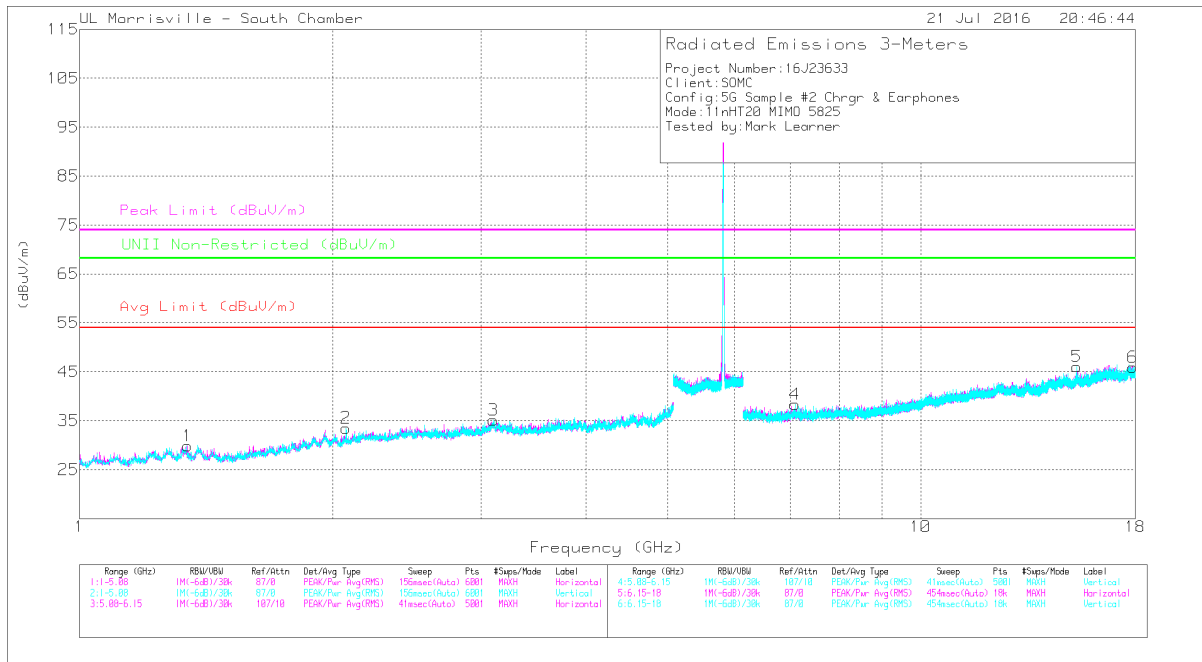
| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det  | AF AT0069 (dB/m) | Amp/Cb/Filt/Pad (dB) | DC Corr (dB) | Corrected Reading (dBuV/m) | Avg Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | UNII Non-Restricted (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|------|------------------|----------------------|--------------|----------------------------|--------------------|-------------|---------------------|----------------|------------------------------|----------------|----------------|-------------|----------|
| 1      | * 1.275         | 43.12                | PK-U | 28.8             | -35.6                | 0            | 36.32                      | -                  | -           | 74                  | -37.68         | -                            | -              | 360            | 102         | H        |
|        | * 1.277         | 31.3                 | ADR  | 28.8             | -35.6                | 0            | 24.5                       | 54                 | -29.5       | -                   | -              | -                            | -              | 360            | 102         | H        |
| 6      | * 17.866        | 34.23                | PK-U | 41.2             | -23.4                | 0            | 52.03                      | -                  | -           | 74                  | -21.97         | -                            | -              | 122            | 104         | H        |
|        | * 17.868        | 23.22                | ADR  | 41.2             | -23.4                | 0            | 41.02                      | 54                 | -12.98      | -                   | -              | -                            | -              | 122            | 104         | H        |
| 2      | 2.412           | 44.14                | PK-U | 32.3             | -34.7                | 0            | 41.74                      | -                  | -           | -                   | -              | 68.2                         | -26.46         | 108            | 198         | V        |
| 3      | 3.373           | 41.26                | PK-U | 32.7             | -33.4                | 0            | 40.56                      | -                  | -           | -                   | -              | 68.2                         | -27.64         | 139            | 104         | V        |
| 4      | 7.929           | 36.43                | PK-U | 35.8             | -28.6                | 0            | 43.63                      | -                  | -           | -                   | -              | 68.2                         | -24.57         | 115            | 104         | V        |
| 5      | 13.474          | 34.46                | PK-U | 39               | -25                  | 0            | 48.46                      | -                  | -           | -                   | -              | 68.2                         | -19.74         | 84             | 104         | 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

HIGH CHANNEL PLOT



Trace Markers

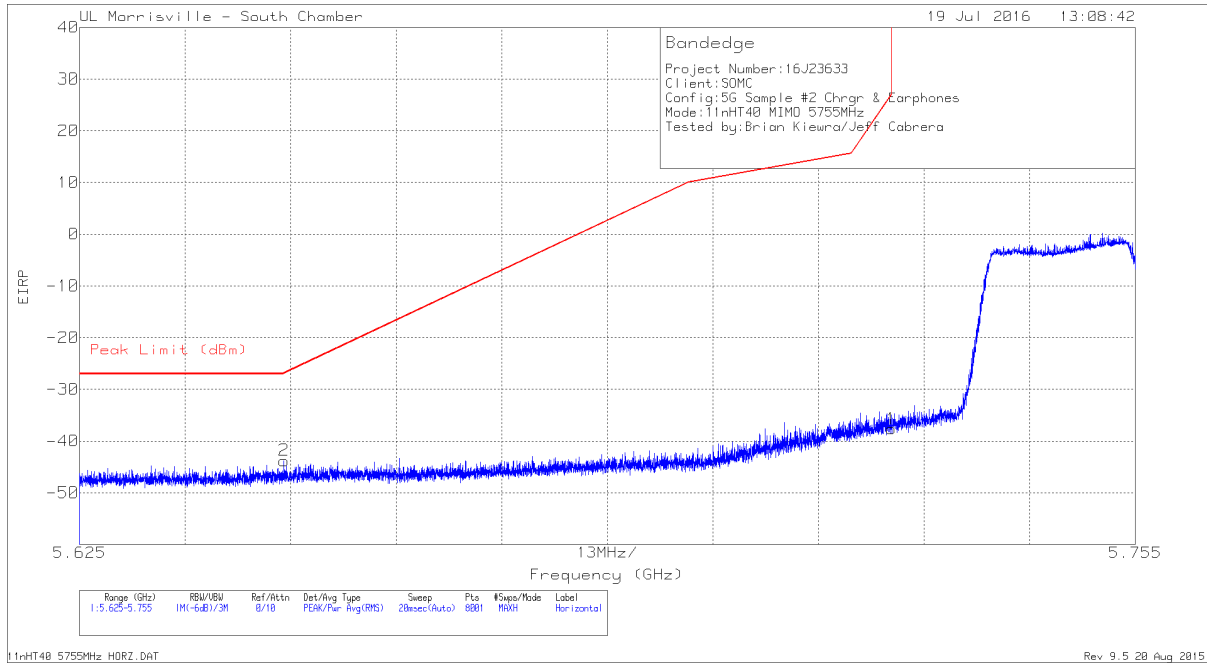
| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det  | AF ATT009 (dB/m) | Amp/Ch/Flt/Pad (dB) | DC Corr (dB) | Corrected Reading (dBuV/m) | Avg Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | UNII Non-Restricted (dBuV/m) | PK Margin (dB) | Azimuth (Deg) | Height (cm) | Polarity |
|--------|-----------------|----------------------|------|------------------|---------------------|--------------|----------------------------|--------------------|-------------|---------------------|----------------|------------------------------|----------------|---------------|-------------|----------|
| 1      | * 1.344         | 41.36                | PK-U | 28.8             | -35.2               | 0            | 34.96                      | -                  | -           | 74                  | -39.04         | -                            | -              | 0             | 198         | H        |
|        | * 1.342         | 30.38                | ADR  | 28.8             | -35.2               | 0            | 23.98                      | 54                 | -30.02      | -                   | -              | -                            | -              | 0             | 198         | H        |
| 6      | * 17.865        | 33.84                | PK-U | 41.2             | -23.4               | 0            | 51.64                      | -                  | -           | 74                  | -22.36         | -                            | -              | 98            | 198         | H        |
|        | * 17.866        | 23.13                | ADR  | 41.2             | -23.4               | 0            | 40.93                      | 54                 | -13.07      | -                   | -              | -                            | -              | 98            | 198         | H        |
| 2      | 2.075           | 41.74                | PK-U | 31.2             | -35                 | 0            | 37.94                      | -                  | -           | -                   | -              | 68.2                         | -30.26         | 78            | 198         | V        |
| 3      | 3.104           | 41.29                | PK-U | 33.9             | -34                 | 0            | 41.19                      | -                  | -           | -                   | -              | 68.2                         | -27.01         | 66            | 198         | V        |
| 4      | 7.091           | 37.23                | PK-U | 35.6             | -29.5               | 0            | 43.33                      | -                  | -           | -                   | -              | 68.2                         | -24.87         | 132           | 198         | V        |
| 5      | 15.326          | 35.66                | PK-U | 40               | -24.8               | 0            | 50.86                      | -                  | -           | -                   | -              | 68.2                         | -17.34         | 106           | 198         | 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

**9.2.15. TX ABOVE 1 GHz 802.11n HT40 MODE IN THE 5.8 GHz BAND**

**RESTRICTED BANDEGE (LOW CHANNEL)**

**LOW CHANNEL RESTRICTED, HORIZONTAL**

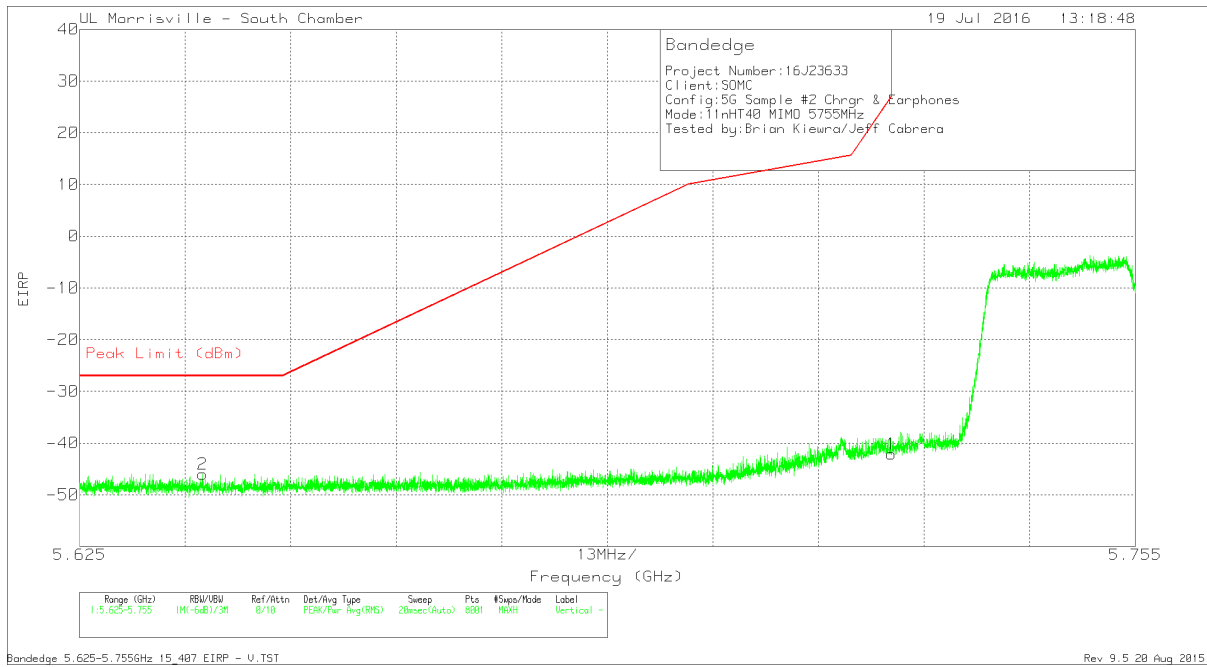


**Trace Markers**

| Marker | Frequency (GHz) | Meter Reading (dBm) | Det | AF AT0069 (dB/m) | Amp/Cbl/Ftr/Pad (dB) | Conversion Factor (dB) | DC Corr (dB) | Corrected Reading EIRP | Peak Limit (dBm) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|---------------------|-----|------------------|----------------------|------------------------|--------------|------------------------|------------------|----------------|----------------|-------------|----------|
| 2      | 5.65            | -66.56              | Pk  | 34.7             | -23.7                | 11.8                   | 0            | -43.76                 | -26.87           | -16.89         | 318            | 107         | H        |
| 1      | 5.725           | -60.2               | Pk  | 34.7             | -23.9                | 11.8                   | 0            | -37.6                  | 26.97            | -64.57         | 318            | 107         | H        |

Pk - Peak detector

LOW CHANNEL RESTRICTED, VERTICAL



Trace Markers

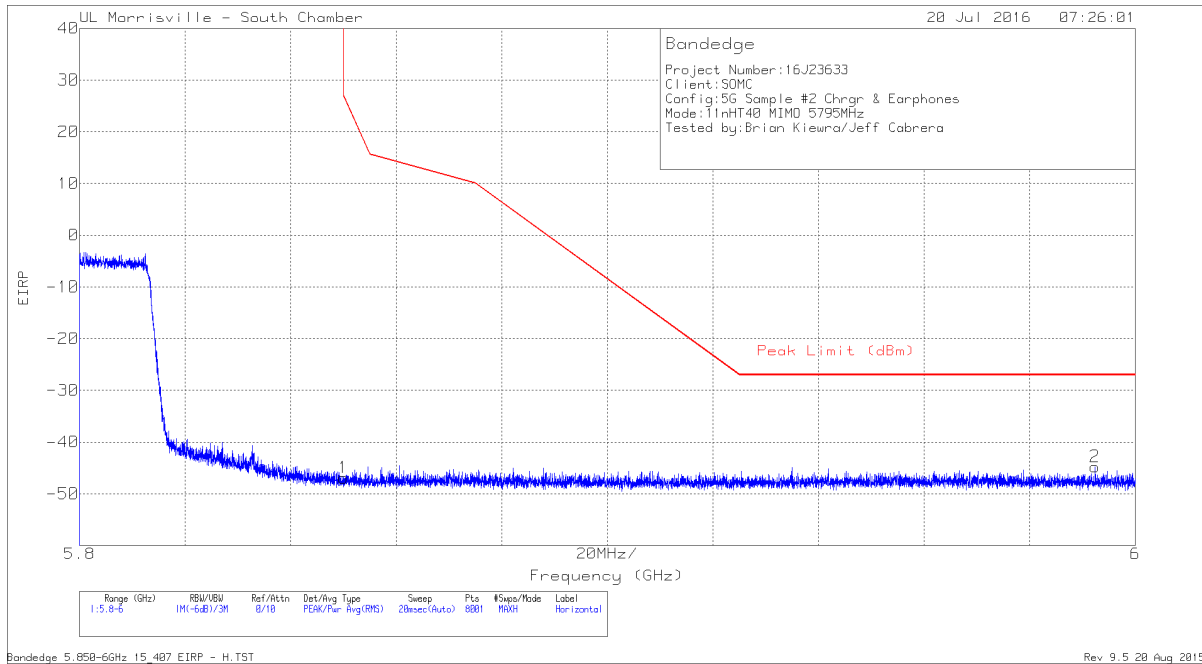
| Marker | Frequency (GHz) | Meter Reading (dBm) | Det | AF AT0069 (dB/m) | Amp/Cb/ Ftr/Pad (dB) | Conversion Factor (dB) | DC Corr (dB) | Corrected Reading EIRP | Peak Limit (dBm) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|---------------------|-----|------------------|----------------------|------------------------|--------------|------------------------|------------------|----------------|----------------|-------------|----------|
| 2      | 5.64            | -68.69              | Pk  | 34.7             | -23.8                | 11.8                   | 0            | -45.99                 | -27              | -18.99         | 121            | 107         | V        |
| 1      | 5.725           | -64.73              | Pk  | 34.7             | -23.9                | 11.8                   | 0            | -42.13                 | 26.97            | -69.1          | 121            | 107         | V        |

Pk - Peak detector

Bandedge 5.625-5.755GHz 15\_407 EIRP - V.TST  
 Rev 9.5 20 Aug 2015

**AUTHORIZED BANDEDGE (HIGH CHANNEL)**

**HIGH CHANNEL BANDEDGE, HORIZONTAL**



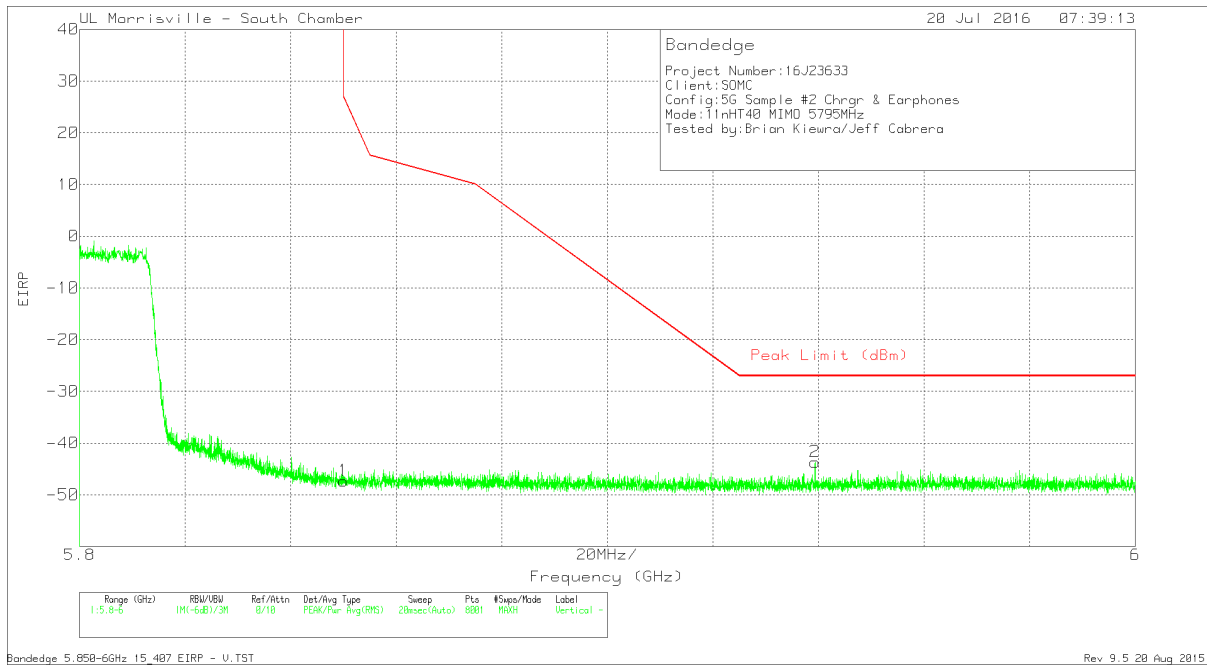
**Trace Markers**

| Marker | Frequency (GHz) | Meter Reading (dBm) | Det | AF AT0069 (dB/m) | Amp/Cbl/Fltr/Pad (dB) | Conversion Factor (dB) | DC Corr (dB) | Corrected Reading EIRP | Peak Limit (dBm) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|---------------------|-----|------------------|-----------------------|------------------------|--------------|------------------------|------------------|----------------|----------------|-------------|----------|
| 1      | 5.85            | -69.9               | Pk  | 34.7             | -23.5                 | 11.8                   | 0            | -46.9                  | 26.94            | -73.84         | 199            | 279         | H        |
| 2      | 5.992           | -68.45              | Pk  | 35               | -23.1                 | 11.8                   | 0            | -44.75                 | -27              | -17.75         | 199            | 279         | H        |

Pk - Peak detector



HIGH CHANNEL BANDEDGE, VERTICAL



Bandedge 5.850-6GHz 15.407 EIRP - U.TST

Rev 9.5 28 Aug 2015

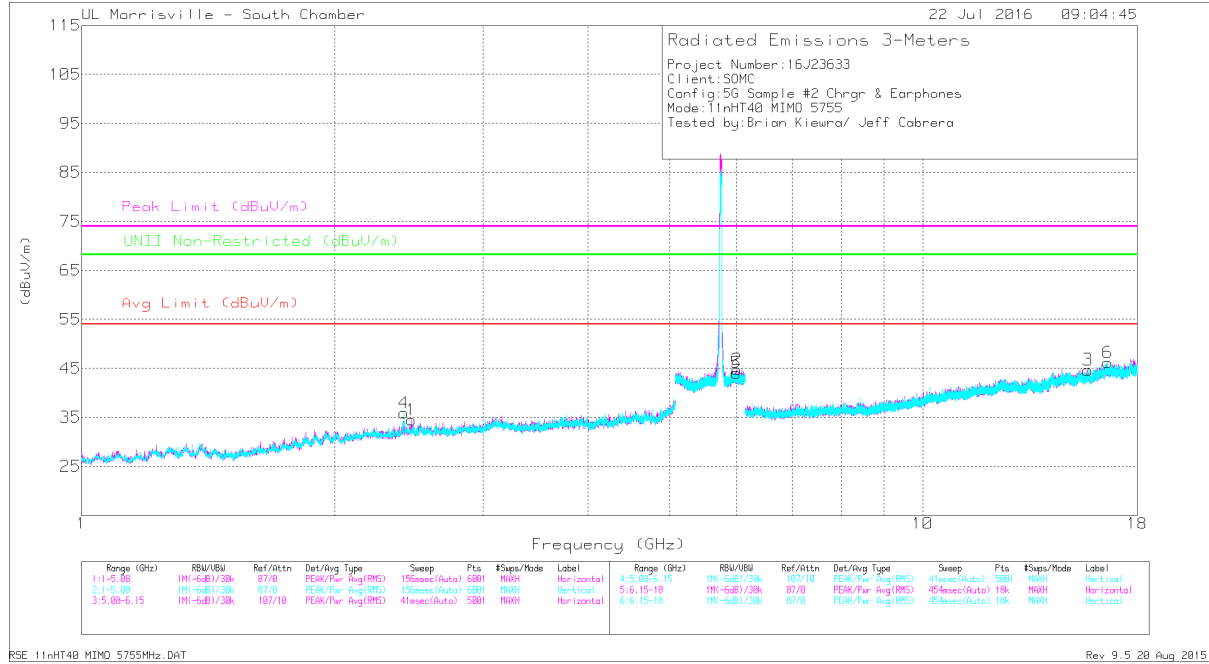
Trace Markers

| Marker | Frequency (GHz) | Meter Reading (dBm) | Det | AF AT0069 (dB/m) | Amp/Cb/ Ftr/Pad (dB) | Conversion Factor (dB) | DC Corr (dB) | Corrected Reading EIRP | Peak Limit (dBm) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|---------------------|-----|------------------|----------------------|------------------------|--------------|------------------------|------------------|----------------|----------------|-------------|----------|
| 1      | 5.85            | -70.3               | Pk  | 34.7             | -23.5                | 11.8                   | 0            | -47.3                  | 26.94            | -74.24         | 225            | 258         | V        |
| 2      | 5.939           | -67.24              | Pk  | 35               | -23.2                | 11.8                   | 0            | -43.64                 | -27              | -16.64         | 225            | 258         | V        |

Pk - Peak detector

**HARMONICS AND SPURIOUS EMISSIONS**

**LOW CHANNEL PLOT**



**Trace Markers**

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF AT0069 (dB/m) | Amp/Cb/Ftr/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) | Asimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|------------------|---------------------|--------------|----------------------------|--------------------|-------------|---------------------|----------------|------------------------------|----------------|----------------|-------------|----------|
| 3      | * 15.722        | 28.69                | PK  | 40.3             | -24.3               | 0            | 44.69                      | -                  | -           | 74                  | -29.31         | -                            | -              | 0-360          | 102         | H        |
| 4      | 2.417           | 38.3                 | PK  | 32.3             | -34.7               | 0            | 35.9                       | -                  | -           | -                   | -              | 68.2                         | -32.3          | 0-360          | 199         | V        |
| 1      | 2.467           | 36.65                | PK  | 32.4             | -34.6               | 0            | 34.45                      | -                  | -           | -                   | -              | 68.2                         | -33.75         | 0-360          | 199         | H        |
| 5      | 6.004           | 32.07                | PK  | 35.1             | -23.1               | 0            | 44.07                      | -                  | -           | -                   | -              | 68.2                         | -24.13         | 0-360          | 199         | V        |
| 2      | 6.016           | 32.84                | PK  | 35.1             | -23.2               | 0            | 44.74                      | -                  | -           | -                   | -              | 68.2                         | -23.46         | 0-360          | 102         | H        |
| 6      | 16.607          | 29.07                | PK  | 41.4             | -24.3               | 0            | 46.17                      | -                  | -           | -                   | -              | 68.2                         | -22.03         | 0-360          | 102         | V        |

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

PK - Peak detector

**Radiated Emissions**

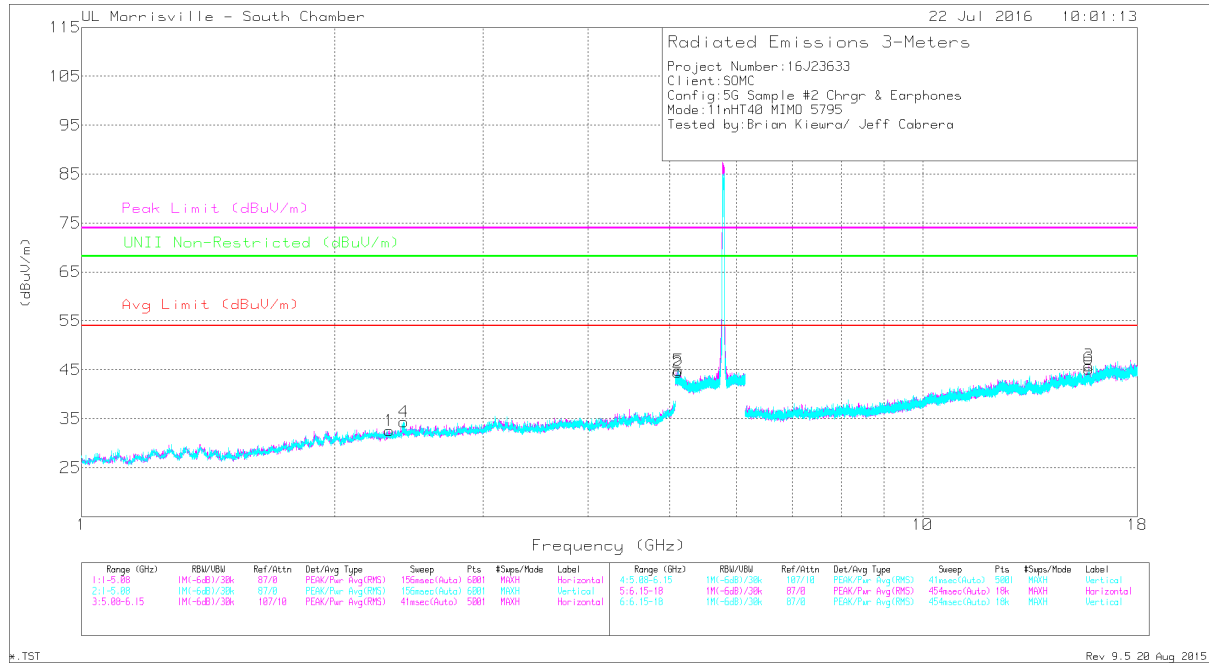
| Frequency (GHz) | Meter Reading (dBuV) | Det  | AF AT0069 (dB/m) | Amp/Cb/Ftr/Pad (dB) | DC Corr (dB) | Corrected Reading (dBuV/m) | Avg Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | UNII Non-Restricted (dBuV/m) | PK Margin (dB) | Asimuth (Degs) | Height (cm) | Polarity |
|-----------------|----------------------|------|------------------|---------------------|--------------|----------------------------|--------------------|-------------|---------------------|----------------|------------------------------|----------------|----------------|-------------|----------|
| * 15.722        | 34.51                | PK-U | 40.3             | -24.3               | 0            | 50.51                      | -                  | -           | 74                  | -23.49         | -                            | -              | 13             | 104         | H        |
| * 15.72         | 22.96                | ADR  | 40.3             | -24.4               | 12           | 38.98                      | 54                 | -15.02      | -                   | -              | -                            | -              | 13             | 104         | H        |
| 2.415           | 45.28                | PK-U | 32.3             | -34.7               | 0            | 42.88                      | -                  | -           | -                   | -              | 68.2                         | -25.32         | 200            | 201         | V        |
| 2.416           | 29.96                | ADR  | 32.3             | -34.7               | 12           | 27.68                      | -                  | -           | -                   | -              | -                            | -              | 200            | 201         | V        |
| 2.468           | 41.75                | PK-U | 32.4             | -34.6               | 0            | 39.55                      | -                  | -           | -                   | -              | 68.2                         | -28.65         | 301            | 198         | H        |
| 2.469           | 29.97                | ADR  | 32.4             | -34.6               | 12           | 27.89                      | -                  | -           | -                   | -              | 68.2                         | -18.26         | 301            | 198         | H        |
| 6.002           | 38.04                | PK-U | 35               | -23.1               | 0            | 49.94                      | -                  | -           | -                   | -              | 68.2                         | -18.26         | 324            | 198         | V        |
| 6.002           | 26.57                | ADR  | 35               | -23.1               | 12           | 38.59                      | -                  | -           | -                   | -              | -                            | -              | 324            | 198         | V        |
| 6.016           | 37.99                | PK-U | 35.1             | -23.2               | 0            | 49.89                      | -                  | -           | -                   | -              | 68.2                         | -18.31         | 16             | 104         | H        |
| 6.018           | 26.54                | ADR  | 35.1             | -23.2               | 12           | 38.56                      | -                  | -           | -                   | -              | -                            | -              | 16             | 104         | H        |
| 16.607          | 34.71                | PK-U | 41.4             | -24.3               | 0            | 51.81                      | -                  | -           | -                   | -              | 68.2                         | -16.39         | 228            | 104         | V        |
| 16.607          | 23.07                | ADR  | 41.4             | -24.3               | 12           | 40.29                      | -                  | -           | -                   | -              | -                            | -              | 228            | 104         | 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

HIGH CHANNEL PLOT



Trace Markers

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF AT0069 (dB/m) | Amp/Ch/Flt/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 (Deg) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|------------------|---------------------|--------------|----------------------------|--------------------|-------------|---------------------|----------------|------------------------------|----------------|---------------|-------------|----------|
| 1      | * 2.323         | 35.45                | Pk  | 31.7             | -34.6               | 0            | 32.55                      | -                  | -           | 74                  | -41.45         | -                            | -              | 0-360         | 199         | H        |
| 2      | * 5.114         | 33.34                | Pk  | 34.1             | -22.9               | 0            | 44.54                      | -                  | -           | 74                  | -29.46         | -                            | -              | 0-360         | 101         | H        |
| 5      | * 5.127         | 33.58                | Pk  | 34.1             | -22.8               | 0            | 44.88                      | -                  | -           | 74                  | -29.12         | -                            | -              | 0-360         | 199         | V        |
| 3      | * 15.77         | 29.93                | Pk  | 40.3             | -24.4               | 0            | 45.83                      | -                  | -           | 74                  | -28.17         | -                            | -              | 0-360         | 102         | H        |
| 6      | * 15.771        | 29.31                | Pk  | 40.3             | -24.4               | 0            | 45.21                      | -                  | -           | 74                  | -28.79         | -                            | -              | 0-360         | 101         | V        |
| 4      | 2.416           | 36.75                | Pk  | 32.3             | -34.7               | 0            | 34.35                      | -                  | -           | -                   | -              | 68.2                         | -33.85         | 0-360         | 199         | V        |

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

Pk - Peak detector

Radiated Emissions

| Frequency (GHz) | Meter Reading (dBuV) | Det  | AF AT0069 (dB/m) | Amp/Ch/Flt/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 (Deg) | Height (cm) | Polarity |
|-----------------|----------------------|------|------------------|---------------------|--------------|----------------------------|--------------------|-------------|---------------------|----------------|------------------------------|----------------|---------------|-------------|----------|
| * 2.324         | 41.87                | PK-U | 31.7             | -34.6               | 0            | 38.97                      | -                  | -           | 74                  | -35.03         | -                            | -              | 120           | 199         | H        |
| * 2.322         | 29.7                 | ADR  | 31.7             | -34.6               | -12          | 26.92                      | 54                 | -27.08      | -                   | -              | -                            | -              | 120           | 199         | H        |
| * 5.113         | 38.79                | PK-U | 34.1             | -22.9               | 0            | 49.99                      | -                  | -           | 74                  | -24.01         | -                            | -              | 127           | 102         | H        |
| * 5.112         | 27.2                 | ADR  | 34.1             | -22.9               | -12          | 38.52                      | 54                 | -15.48      | -                   | -              | -                            | -              | 127           | 102         | H        |
| * 5.125         | 38.86                | PK-U | 34.1             | -22.9               | 0            | 50.06                      | -                  | -           | 74                  | -23.94         | -                            | -              | 117           | 198         | V        |
| * 5.126         | 27.11                | ADR  | 34.1             | -22.8               | -12          | 38.53                      | 54                 | -15.47      | -                   | -              | -                            | -              | 117           | 198         | V        |
| * 15.771        | 34.34                | PK-U | 40.3             | -24.4               | 0            | 50.24                      | -                  | -           | 74                  | -23.76         | -                            | -              | 147           | 104         | H        |
| * 15.771        | 23.16                | ADR  | 40.3             | -24.4               | -12          | 39.18                      | 54                 | -14.82      | -                   | -              | -                            | -              | 147           | 104         | H        |
| * 15.771        | 34.57                | PK-U | 40.3             | -24.4               | 0            | 50.47                      | -                  | -           | 74                  | -23.53         | -                            | -              | 102           | 104         | V        |
| * 15.772        | 23.21                | ADR  | 40.3             | -24.4               | -12          | 39.23                      | 54                 | -14.77      | -                   | -              | -                            | -              | 102           | 104         | V        |
| 2.414           | 30.14                | ADR  | 32.3             | -34.7               | -12          | 27.86                      | -                  | -           | -                   | -              | -                            | -              | 325           | 199         | V        |
| 2.415           | 44.89                | PK-U | 32.3             | -34.7               | 0            | 42.49                      | -                  | -           | -                   | -              | 68.2                         | -25.71         | 325           | 199         | V        |

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

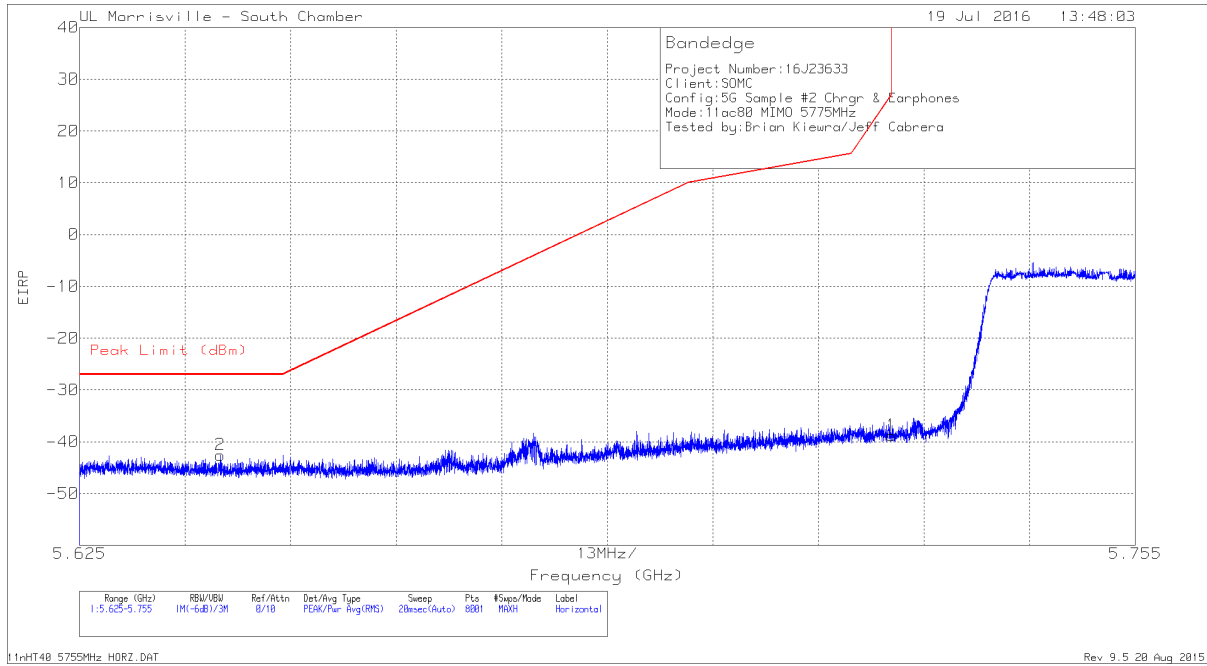
PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

**9.2.16. TX ABOVE 1 GHz 802.11ac HT80 MODE IN THE 5.8 GHz BAND**

**RESTRICTED BANDEDGE (LOW CHANNEL)**

**LOW CHANNEL RESTRICTED, HORIZONTAL**

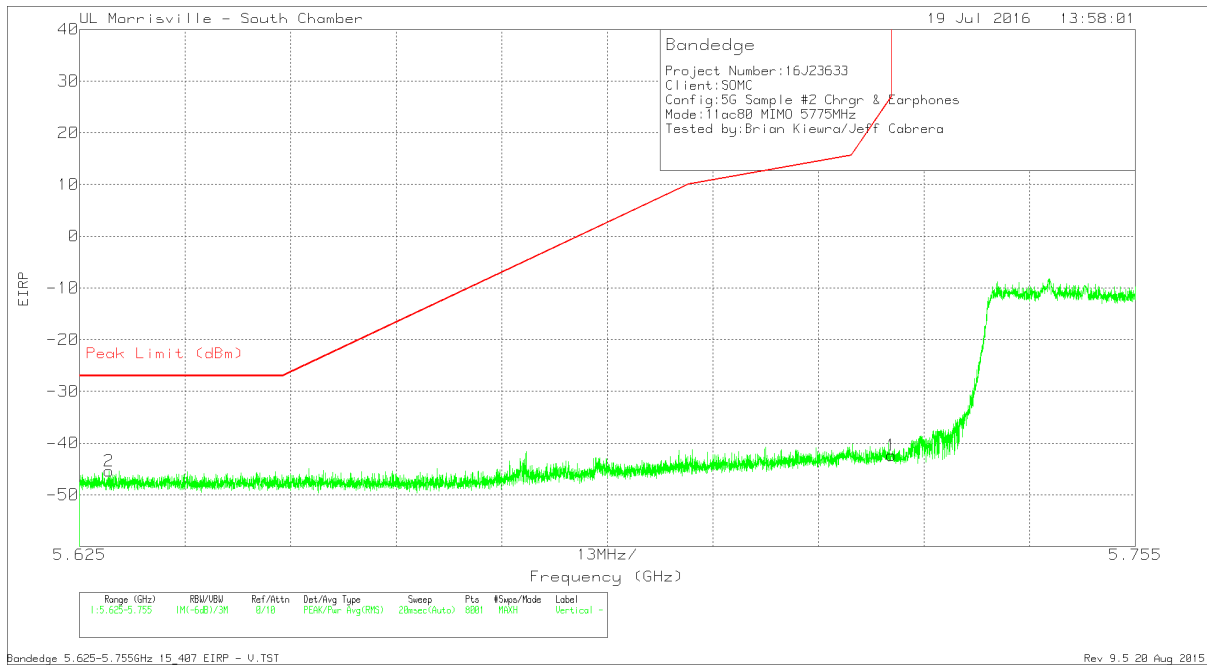


**Trace Markers**

| Marker | Frequency (GHz) | Meter Reading (dBm) | Det | AF AT0069 (dB/m) | Amp/Cbl/Fltr/Pad (dB) | Conversion Factor (dB) | DC Corr (dB) | Corrected Reading EIRP | Peak Limit (dBm) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|---------------------|-----|------------------|-----------------------|------------------------|--------------|------------------------|------------------|----------------|----------------|-------------|----------|
| 2      | 5.642           | -65.24              | Pk  | 34.7             | -23.8                 | 11.8                   | 0            | -42.54                 | -27              | -15.54         | 316            | 122         | H        |
| 1      | 5.725           | -61.38              | Pk  | 34.7             | -23.9                 | 11.8                   | 0            | -38.78                 | 26.97            | -65.75         | 316            | 122         | H        |

Pk - Peak detector

LOW CHANNEL RESTRICTED, VERTICAL



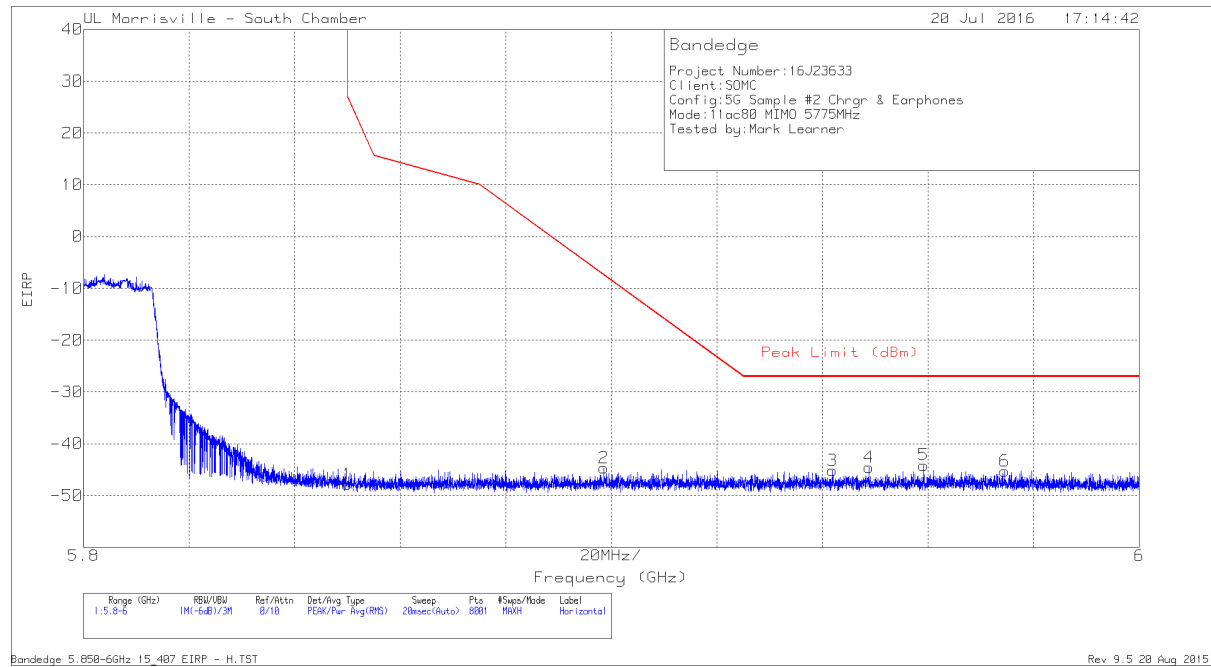
Trace Markers

| Marker | Frequency (GHz) | Meter Reading (dBm) | Det | AF AT0069 (dB/m) | Amp/Cbl/Filtr /Pad (dB) | Conversion Factor (dB) | Corrected Reading EIRP | Peak Limit (dBm) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|---------------------|-----|------------------|-------------------------|------------------------|------------------------|------------------|----------------|----------------|-------------|----------|
| 2      | 5.629           | -68.21              | Pk  | 34.7             | -23.7                   | 11.8                   | -45.41                 | -27              | -18.41         | 119            | 102         | V        |
| 1      | 5.725           | -65                 | Pk  | 34.7             | -23.9                   | 11.8                   | -42.4                  | 26.97            | -69.37         | 119            | 102         | V        |

Pk - Peak detector

**RESTRICTED BANDEDGE (HIGH CHANNEL)**

**HIGH CHANNEL RESTRICTED, HORIZONTAL**

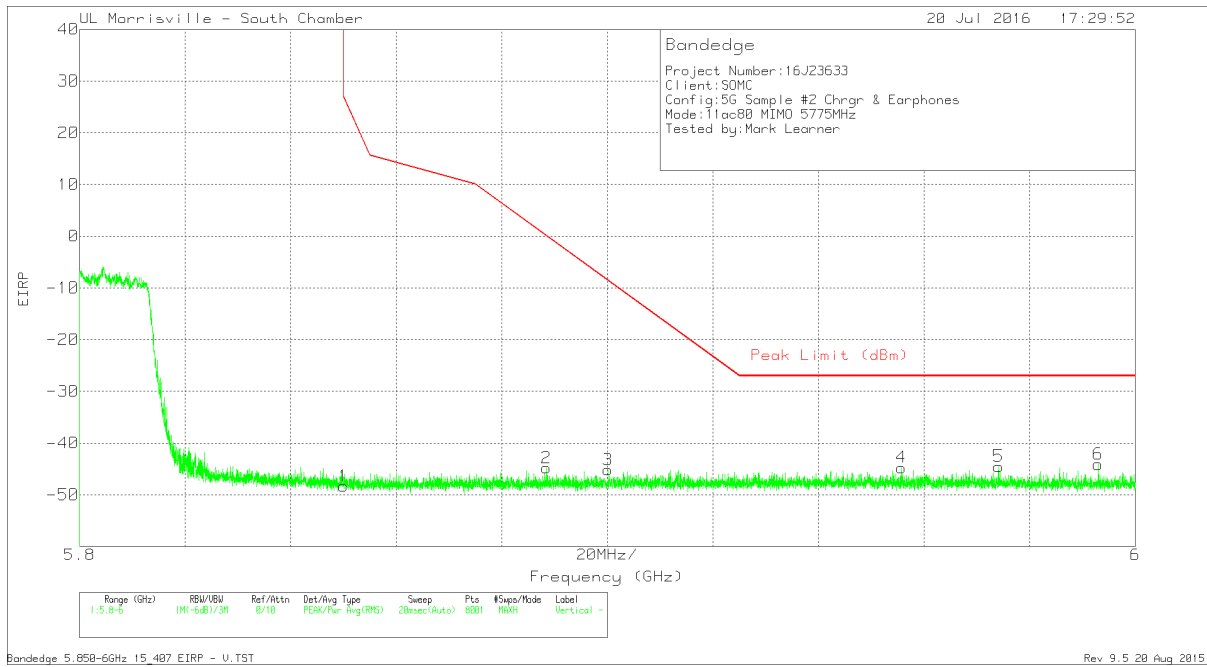


**Trace Markers**

| Marker | Frequency (GHz) | Meter Reading (dBm) | Det | AF AT0069 (dB/m) | Amp/Cbl/Fltr/Pad (dB) | Conversion Factor (dB) | DC Corr (dB) | Corrected Reading EIRP | Peak Limit (dBm) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|---------------------|-----|------------------|-----------------------|------------------------|--------------|------------------------|------------------|----------------|----------------|-------------|----------|
| 1      | 5.85            | -70.82              | Pk  | 34.7             | -23.5                 | 11.8                   | 0            | -47.82                 | 26.94            | -74.76         | 304            | 267         | H        |
| 2      | 5.899           | -67.99              | Pk  | 34.9             | -23.4                 | 11.8                   | 0            | -44.69                 | -7.45            | -37.24         | 304            | 267         | H        |
| 3      | 5.942           | -68.73              | Pk  | 35               | -23.2                 | 11.8                   | 0            | -45.13                 | -27              | -18.13         | 304            | 267         | H        |
| 4      | 5.949           | -68.24              | Pk  | 35.1             | -23.2                 | 11.8                   | 0            | -44.54                 | -27              | -17.54         | 304            | 267         | H        |
| 5      | 5.959           | -67.92              | Pk  | 35.1             | -23.1                 | 11.8                   | 0            | -44.12                 | -27              | -17.12         | 304            | 267         | H        |
| 6      | 5.975           | -69.07              | Pk  | 35               | -23                   | 11.8                   | 0            | -45.27                 | -27              | -18.27         | 304            | 267         | H        |

Pk - Peak detector

HIGH CHANNEL RESTRICTED, VERTICAL



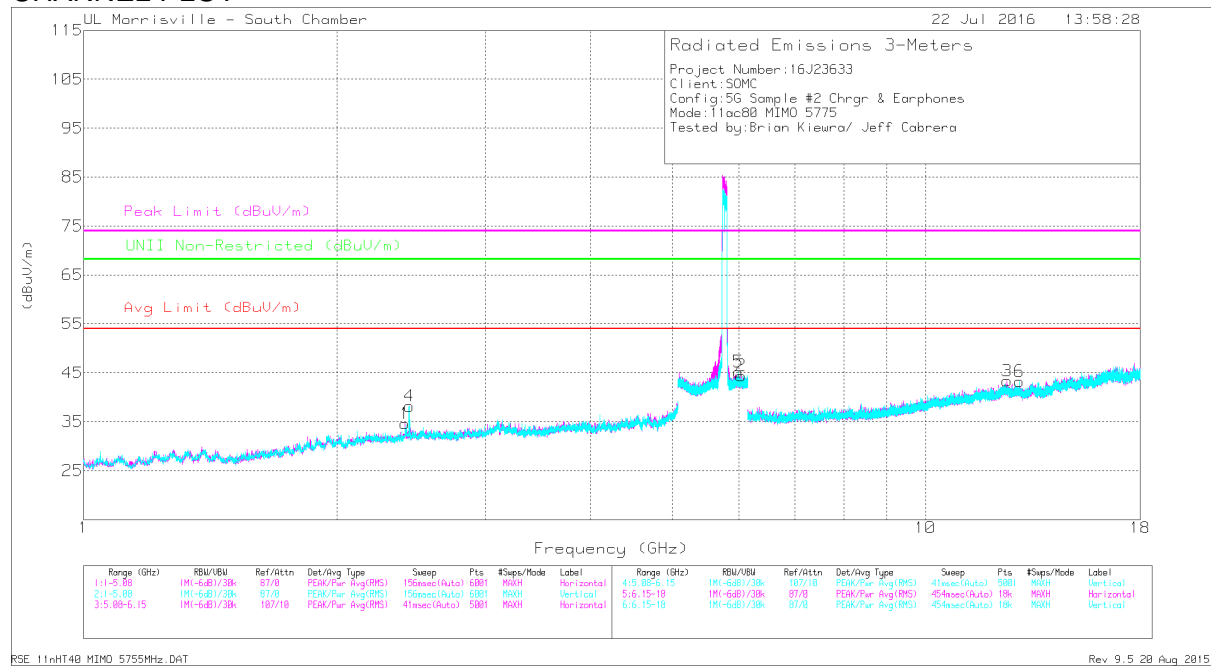
Trace Markers

| Marker | Frequency (GHz) | Meter Reading (dBm) | Det | AF AT0069 (dB/m) | Amp/Cbl/Filtr/Pad (dB) | Conversion Factor (dB) | DC Corr (dB) | Corrected Reading EIRP | Peak Limit (dBm) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|---------------------|-----|------------------|------------------------|------------------------|--------------|------------------------|------------------|----------------|----------------|-------------|----------|
| 1      | 5.85            | -71.34              | Pk  | 34.7             | -23.5                  | 11.8                   | 0            | -48.34                 | 26.94            | -75.28         | 222            | 254         | V        |
| 2      | 5.888           | -68.03              | Pk  | 34.9             | -23.5                  | 11.8                   | 0            | -44.83                 | .03              | -44.86         | 222            | 254         | V        |
| 3      | 5.9             | -68.45              | Pk  | 34.9             | -23.4                  | 11.8                   | 0            | -45.15                 | -8.61            | -36.54         | 222            | 254         | V        |
| 4      | 5.956           | -68.53              | Pk  | 35.1             | -23.1                  | 11.8                   | 0            | -44.73                 | -27              | -17.73         | 222            | 254         | V        |
| 5      | 5.974           | -68.31              | Pk  | 35               | -23                    | 11.8                   | 0            | -44.51                 | -27              | -17.51         | 222            | 254         | V        |
| 6      | 5.993           | -67.81              | Pk  | 35               | -23.1                  | 11.8                   | 0            | -44.11                 | -27              | -17.11         | 222            | 254         | V        |

Pk - Peak detector

**HARMONICS AND SPURIOUS EMISSIONS**

**CHANNEL PLOT**



**Trace Markers**

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF ATTEN (dB/m) | Amp/Ch/Filtz/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) | Asimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|-----------------|-----------------------|--------------|----------------------------|--------------------|-------------|---------------------|----------------|------------------------------|----------------|----------------|-------------|----------|
| 3      | * 12.506        | 29.33                | Pk  | 39.1            | -25.1                 | 0            | 43.33                      | -                  | -           | 74                  | -30.67         | -                            | -              | 0-360          | 199         | H        |
| 1      | 2.408           | 37                   | Pk  | 32.3            | -34.7                 | 0            | 34.6                       | -                  | -           | -                   | -              | 68.2                         | -33.6          | 0-360          | 199         | H        |
| 4      | 2.436           | 40.56                | Pk  | 32.3            | -34.7                 | 0            | 38.16                      | -                  | -           | -                   | -              | 68.2                         | -30.04         | 0-360          | 199         | V        |
| 5      | 5.995           | 33.3                 | Pk  | 35              | -23.1                 | 0            | 45.2                       | -                  | -           | -                   | -              | 68.2                         | -23            | 0-360          | 102         | V        |
| 2      | 6.041           | 32.53                | Pk  | 35.1            | -23.2                 | 0            | 44.43                      | -                  | -           | -                   | -              | 68.2                         | -23.77         | 0-360          | 102         | H        |
| 6      | 12.926          | 29.66                | Pk  | 39.2            | -25.6                 | 0            | 43.26                      | -                  | -           | -                   | -              | 68.2                         | -24.94         | 0-360          | 102         | V        |

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

Pk - Peak detector

**Radiated Emissions**

| Frequency (GHz) | Meter Reading (dBuV) | Det  | AF ATTEN (dB/m) | Amp/Ch/Filtz/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) | Asimuth (Degs) | Height (cm) | Polarity |
|-----------------|----------------------|------|-----------------|-----------------------|--------------|----------------------------|--------------------|-------------|---------------------|----------------|------------------------------|----------------|----------------|-------------|----------|
| * 12.505        | 34.15                | PK-U | 39.1            | -25.1                 | 0            | 48.15                      | -                  | -           | 74                  | -25.85         | -                            | -              | 134            | 221         | H        |
| * 12.507        | 23.56                | ADR  | 39.1            | -25.1                 | -26          | 37.82                      | 54                 | -16.18      | -                   | -              | -                            | -              | 134            | 221         | H        |
| 2.41            | 42.91                | PK-U | 32.3            | -34.7                 | 0            | 40.51                      | -                  | -           | -                   | -              | 68.2                         | -27.69         | 239            | 198         | H        |
| 2.41            | 30.17                | ADR  | 32.3            | -34.7                 | -26          | 28.03                      | -                  | -           | -                   | -              | -                            | -              | 239            | 198         | H        |
| 2.434           | 29.81                | ADR  | 32.3            | -34.7                 | -26          | 27.67                      | -                  | -           | -                   | -              | -                            | -              | 281            | 198         | V        |
| 2.435           | 41.61                | PK-U | 32.3            | -34.7                 | 0            | 39.21                      | -                  | -           | -                   | -              | 68.2                         | -28.99         | 281            | 198         | V        |
| 5.993           | 26.63                | ADR  | 35              | -23.1                 | -26          | 38.79                      | -                  | -           | -                   | -              | -                            | -              | 134            | 104         | V        |
| 5.995           | 38.55                | PK-U | 35              | -23.1                 | 0            | 50.45                      | -                  | -           | -                   | -              | 68.2                         | -17.75         | 134            | 104         | V        |
| 6.04            | 26.49                | ADR  | 35.1            | -23.2                 | -26          | 38.65                      | -                  | -           | -                   | -              | -                            | -              | 302            | 104         | H        |
| 6.043           | 38.12                | PK-U | 35.1            | -23.2                 | 0            | 50.02                      | -                  | -           | -                   | -              | 68.2                         | -18.18         | 302            | 104         | H        |
| 12.926          | 35.11                | PK-U | 39.2            | -25.6                 | 0            | 48.71                      | -                  | -           | -                   | -              | 68.2                         | -19.49         | 55             | 104         | V        |
| 12.928          | 23.51                | ADR  | 39.2            | -25.6                 | -26          | 37.37                      | -                  | -           | -                   | -              | -                            | -              | 55             | 104         | V        |

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

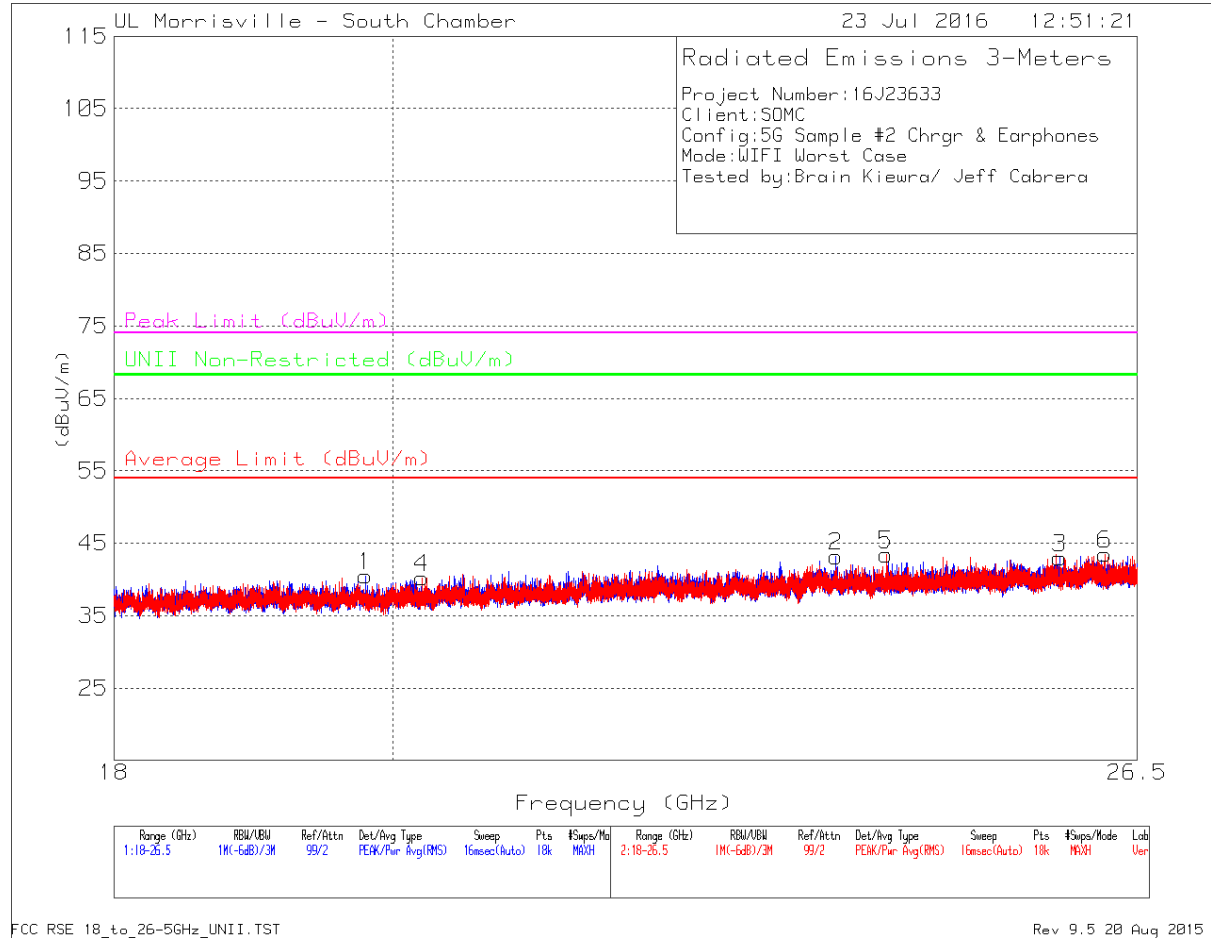
PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average



### 9.3. WORST-CASE ABOVE 18 GHz

#### 9.3.1. SPURIOUS EMISSIONS 18 TO 26 GHz (5GHz WORST-CASE CONFIGURATION)



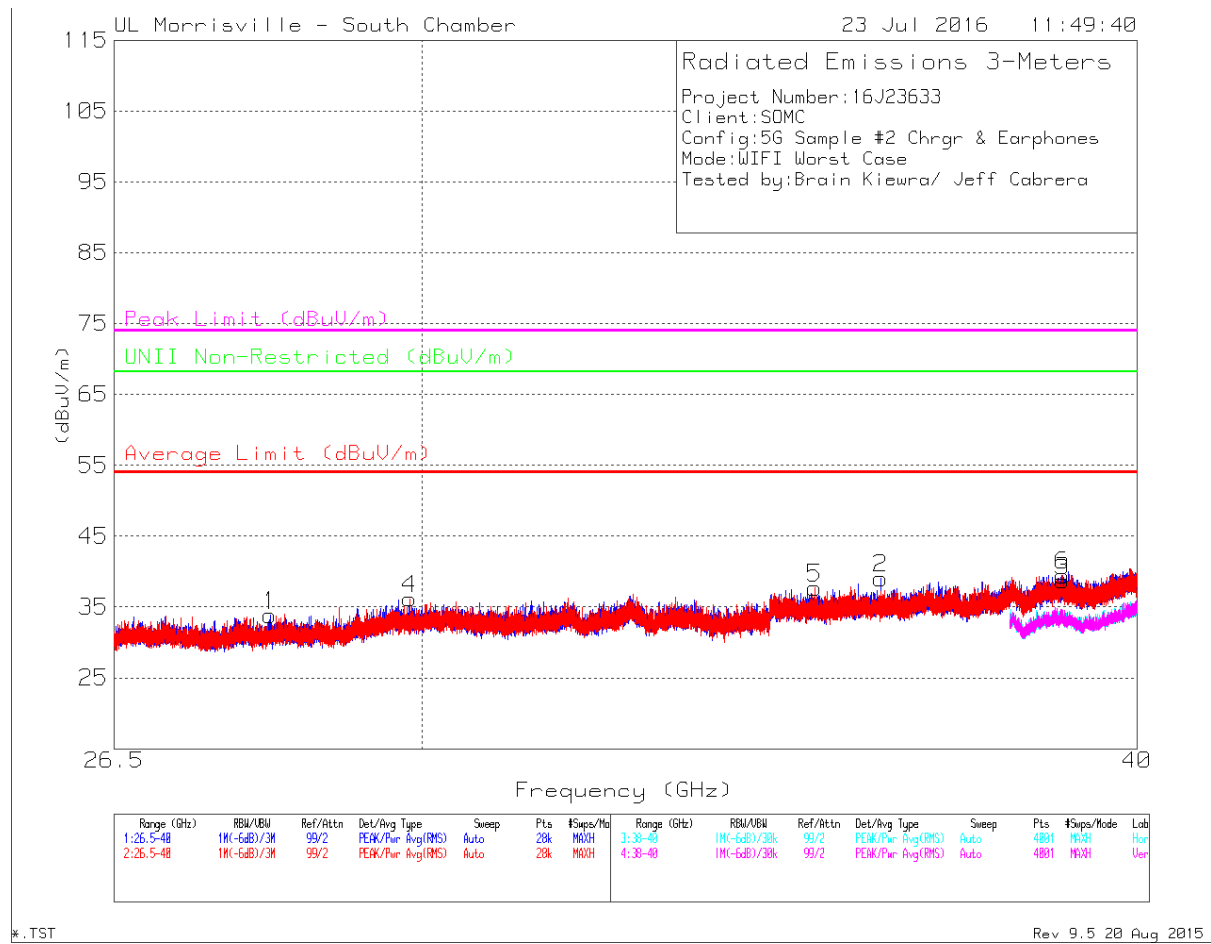
| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det  | AF AT0076 (dB/m) | Amp/Cbl (dB) | DC Corr (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | Margin (dB) | UNII Non-Restricted (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|------|------------------|--------------|--------------|----------------------------|------------------------|-------------|---------------------|-------------|------------------------------|----------------|----------------|-------------|----------|
| 1      | * 19.794        | 47.41                | PK-U | 33.2             | -40.5        | 0            | 40.11                      | -                      | -           | 74                  | -33.89      | -                            | -              | 134            | 102         | H        |
|        | * 19.792        | 36                   | ADR  | 33.2             | -40.5        | 0            | 28.7                       | 54                     | -25.3       | -                   | -           | -                            | -              | 134            | 102         | H        |
| 2      | * 23.649        | 47.28                | PK-U | 34.2             | -39.1        | 0            | 42.38                      | -                      | -           | 74                  | -31.62      | -                            | -              | 1              | 102         | H        |
|        | * 23.65         | 35.94                | ADR  | 34.2             | -39.1        | 0            | 31.04                      | 54                     | -22.96      | -                   | -           | -                            | -              | 1              | 102         | H        |
| 4      | * 20.223        | 47.29                | PK-U | 33               | -40.3        | 0            | 39.99                      | -                      | -           | 74                  | -34.01      | -                            | -              | 327            | 153         | V        |
|        | * 20.223        | 35.66                | ADR  | 33               | -40.3        | 0            | 28.36                      | 54                     | -25.64      | -                   | -           | -                            | -              | 327            | 153         | V        |
| 3      | 25.735          | 46.14                | PK-U | 34.9             | -37.9        | 0            | 43.14                      | -                      | -           | -                   | -           | 68.2                         | -25.06         | 317            | 299         | H        |
| 5      | 24.102          | 46.93                | PK-U | 34.4             | -38.8        | 0            | 42.53                      | -                      | -           | -                   | -           | 68.2                         | -25.67         | 51             | 202         | V        |
| 6      | 26.181          | 45.58                | PK-U | 34.8             | -37.5        | 0            | 42.88                      | -                      | -           | -                   | -           | 68.2                         | -25.32         | 278            | 104         | 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

### 9.3.2. SPURIOUS EMISSIONS 26 TO 40 GHz (5GHz WORST-CASE CONFIGURATION)

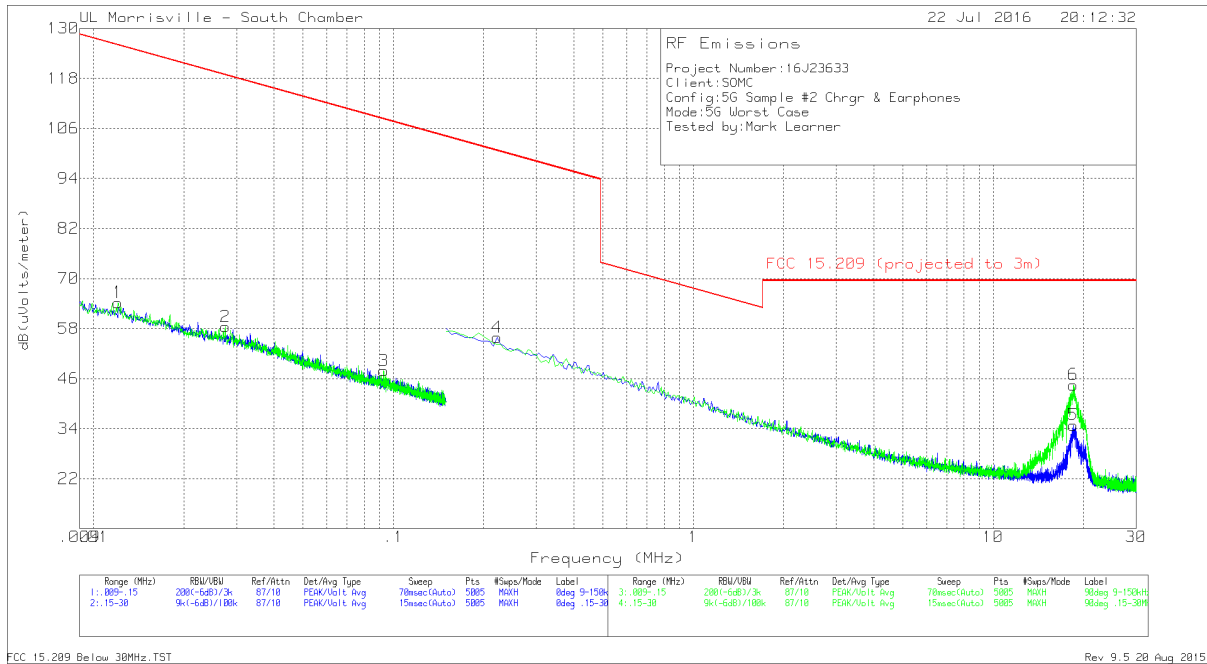


| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det  | AF AT0077 (dB/m) | Amp/Cbl (dB) | DC Corr (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | Margin (dB) | UNII Non-Restricted (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|------|------------------|--------------|--------------|----------------------------|------------------------|-------------|---------------------|-------------|------------------------------|----------------|----------------|-------------|----------|
| 3      | * 38.817        | 38.08                | PK-U | 38.4             | -36.4        | 0            | 40.08                      | -                      | -           | 74                  | -33.92      | -                            | -              | 61             | 104         | H        |
|        | * 38.815        | 26.81                | ADR  | 38.4             | -36.3        | 0            | 28.91                      | 54                     | -25.09      | -                   | -           | -                            | -              | 61             | 104         | H        |
| 6      | * 38.817        | 38.35                | PK-U | 38.4             | -36.4        | 0            | 40.35                      | -                      | -           | 74                  | -33.65      | -                            | -              | 8              | 154         | V        |
|        | * 38.819        | 26.74                | ADR  | 38.4             | -36.4        | 0            | 28.74                      | 54                     | -25.26      | -                   | -           | -                            | -              | 8              | 154         | V        |
| 1      | 28.216          | 34.31                | PK-U | 36.1             | -36.2        | 0            | 34.21                      | -                      | -           | -                   | -           | 68.2                         | -33.99         | 2              | 148         | H        |
| 2      | 36.081          | 36.57                | PK-U | 37.6             | -36.6        | 0            | 37.57                      | -                      | -           | -                   | -           | 68.2                         | -30.63         | 239            | 249         | H        |
| 4      | 29.852          | 34.63                | PK-U | 36.4             | -35.8        | 0            | 35.23                      | -                      | -           | -                   | -           | 68.2                         | -32.97         | 128            | 251         | V        |
| 5      | 35.136          | 37.13                | PK-U | 37.3             | -36.8        | 0            | 37.63                      | -                      | -           | -                   | -           | 68.2                         | -30.57         | 228            | 154         | 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

### 9.4. WORST-CASE BELOW 1 GHz

#### SPURIOUS EMISSIONS 9kHz to 30 MHz (WORST-CASE CONFIGURATION)



Loop Antenna Face: On EUT

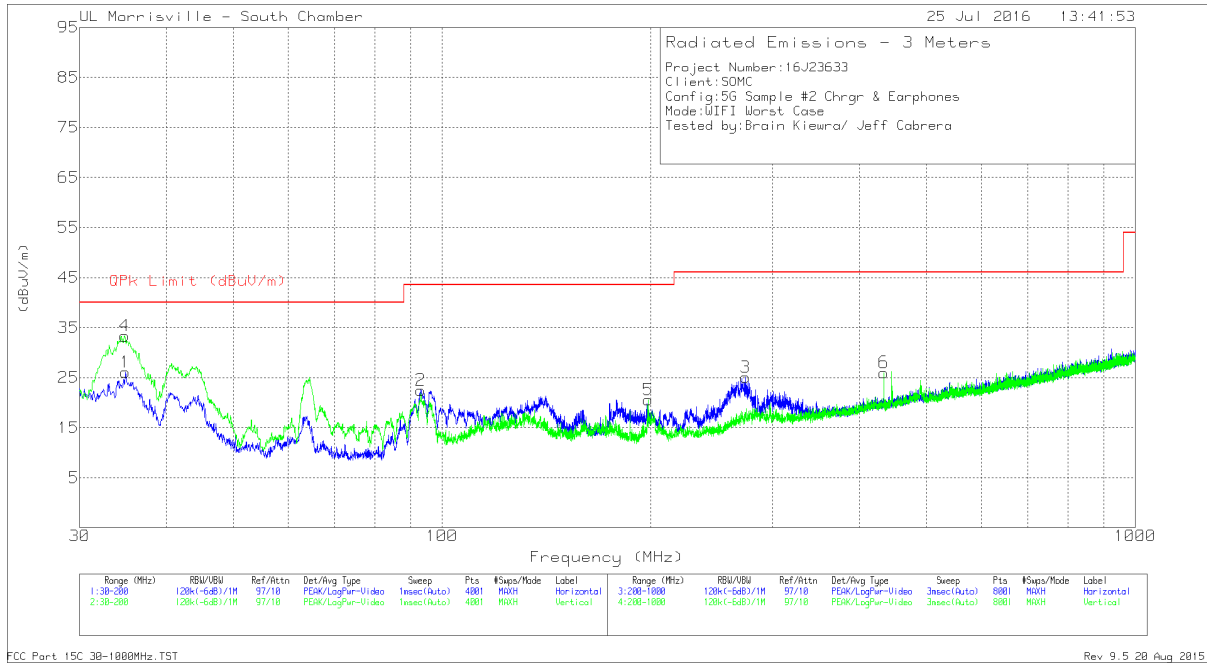
| Marker | Frequency (MHz) | Meter Reading (dBuV) | Det | AT0079 AF (dB/m) | Cbl (dB) | Corrected Reading dB(uVolts/meter) | FCC 15.209 (projected to 3m) | Margin (dB) | Azimuth (Degs) |
|--------|-----------------|----------------------|-----|------------------|----------|------------------------------------|------------------------------|-------------|----------------|
| 4      | .22158          | 43.88                | Pk  | 11.9             | .1       | 55.88                              | 100.69                       | -44.81      | 0-360          |
| 5      | 18.51624        | 24.07                | Pk  | 10.1             | .7       | 34.87                              | 69.54                        | -34.67      | 0-360          |

Loop Antenna Face: Off EUT

| Marker | Frequency (MHz) | Meter Reading (dBuV) | Det | AT0079 AF (dB/m) | Cbl (dB) | Corrected Reading dB(uVolts/meter) | FCC 15.209 (projected to 3m) | Margin (dB) | Azimuth (Degs) |
|--------|-----------------|----------------------|-----|------------------|----------|------------------------------------|------------------------------|-------------|----------------|
| 1      | .01208          | 46.06                | Pk  | 18.1             | .1       | 64.26                              | 125.96                       | -61.7       | 0-360          |
| 2      | .02754          | 44.1                 | Pk  | 14.3             | .1       | 58.5                               | 118.81                       | -60.31      | 0-360          |
| 3      | .09283          | 35.81                | Pk  | 12               | .1       | 47.91                              | 108.25                       | -60.34      | 0-360          |
| 6      | 18.51027        | 33.71                | Pk  | 10.1             | .7       | 44.51                              | 69.54                        | -25.03      | 0-360          |

Pk - Peak detector

**SPURIOUS EMISSIONS 30 TO 1000 MHz (WORST-CASE CONFIGURATION)**



| Marker | Frequency (MHz) | Meter Reading (dBuV) | Det | AT0074 AF (dB/m) | Amp/Cbl (dB) | DC Corr (dB) | Corrected Reading (dBuV/m) | QPk Limit (dBuV/m) | Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|------------------|--------------|--------------|----------------------------|--------------------|-------------|----------------|-------------|----------|
| 3      | * 274.1462      | 31.94                | Qp  | 17.8             | -29.7        | 0            | 20.04                      | 46.02              | -25.98      | 61             | 104         | H        |
| 1      | 34.93           | 35.45                | Pk  | 22.3             | -31.7        | 0            | 26.05                      | 40                 | -13.95      | 0-360          | 399         | H        |
| 2      | 93.1125         | 41.38                | Pk  | 12.2             | -31.1        | 0            | 22.48                      | 43.52              | -21.04      | 0-360          | 299         | H        |
| 4      | 34.8418         | 29.69                | Qp  | 22.3             | -31.7        | 0            | 20.29                      | 40                 | -19.71      | 235            | 399         | H        |
| 5      | 198.3           | 33.46                | Pk  | 17.3             | -30.2        | 0            | 20.56                      | 43.52              | -22.96      | 0-360          | 102         | V        |
| 6      | 433.9           | 34.21                | Pk  | 20.8             | -29          | 0            | 26.01                      | 46.02              | -20.01      | 0-360          | 102         | V        |

\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band  
 Pk - Peak detector  
 Qp - Quasi-Peak detector

## 10. AC POWER LINE CONDUCTED EMISSIONS

### LIMITS

FCC §15.207 (a)

| Frequency of Emission (MHz) | Conducted Limit (dBuV) |          |
|-----------------------------|------------------------|----------|
|                             | Quasi-peak             | Average  |
| 0.15-0.5                    | 66 to 56               | 56 to 46 |
| 0.5-5                       | 56                     | 46       |
| 5-30                        | 60                     | 50       |

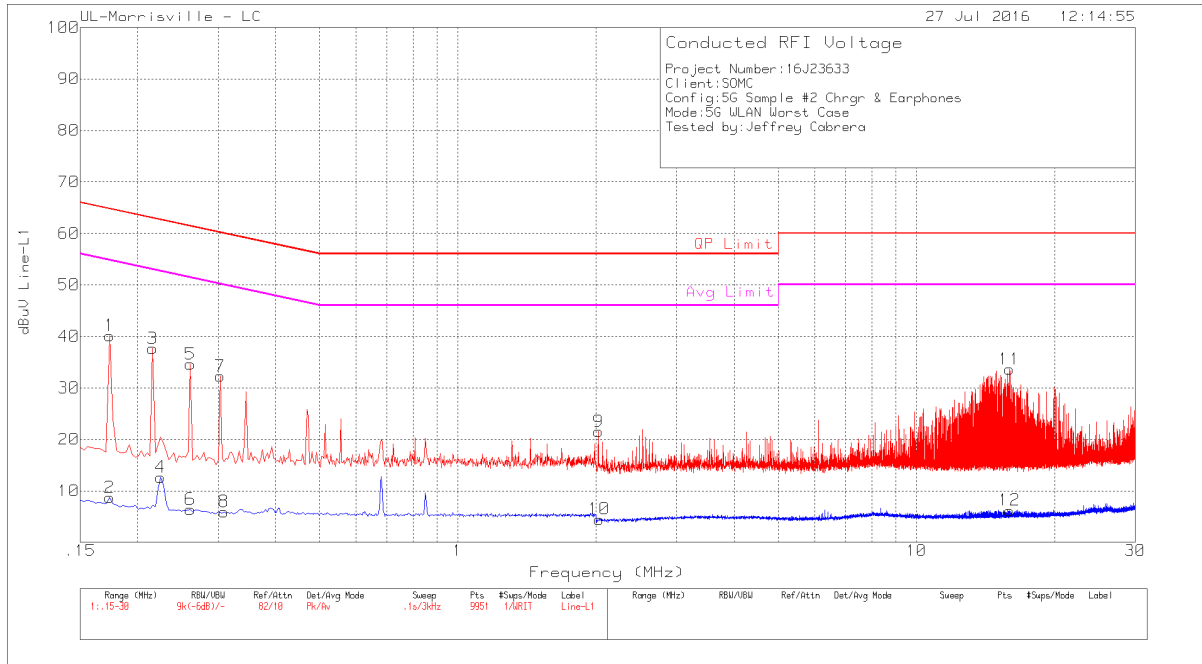
\*Decreases with the logarithm of the frequency.

### TEST PROCEDURE

ANSI C63.10

**RESULTS**

**LINE 1 RESULTS**

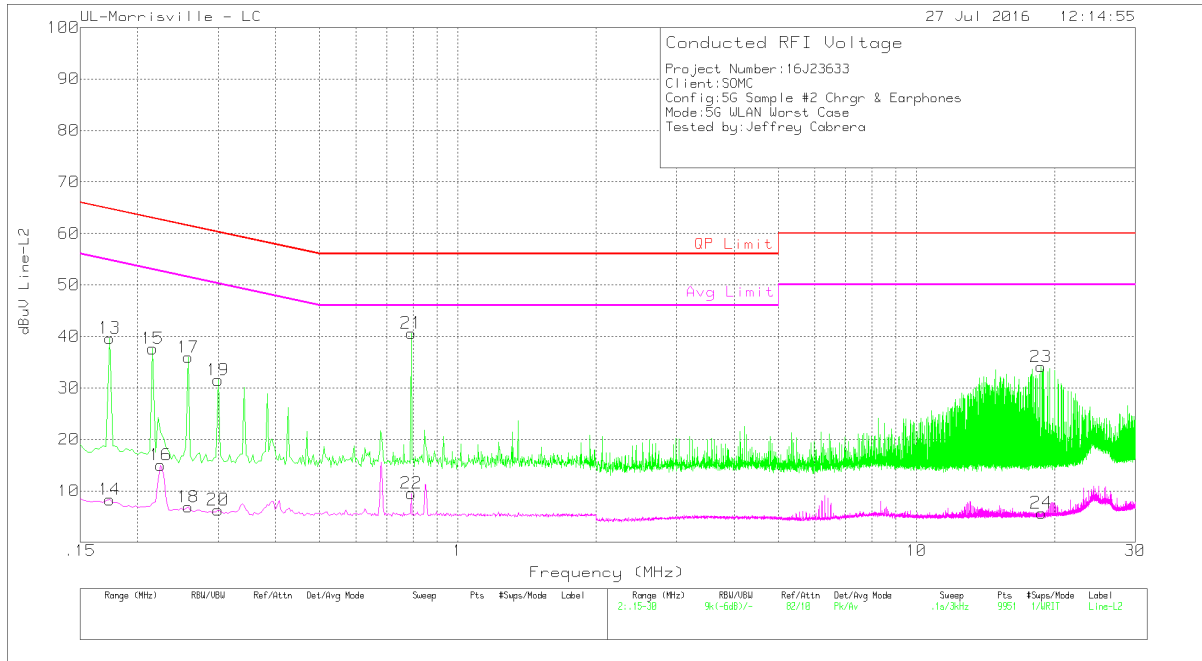


**Trace Markers**

| Range 1: Line-L1 .15 - 30MHz |                 |                      |     |               |                  |                        |          |             |           |             |
|------------------------------|-----------------|----------------------|-----|---------------|------------------|------------------------|----------|-------------|-----------|-------------|
| Marker                       | Frequency (MHz) | Meter Reading (dBuV) | Det | LISN VCF [dB] | Cbl/Limiter (dB) | Corrected Reading dBuV | QP Limit | Margin (dB) | Avg Limit | Margin (dB) |
| 1                            | .174            | 29.94                | Pk  | .2            | 10               | 40.14                  | 64.77    | -24.63      | -         | -           |
| 2                            | .174            | -1.49                | Av  | .2            | 10               | 8.71                   | -        | -           | 54.77     | -46.06      |
| 3                            | .216            | 27.55                | Pk  | .1            | 10               | 37.65                  | 62.97    | -25.32      | -         | -           |
| 4                            | .225            | 2.55                 | Av  | .1            | 10               | 12.65                  | -        | -           | 52.63     | -39.98      |
| 5                            | .261            | 24.51                | Pk  | .1            | 10               | 34.61                  | 61.4     | -26.79      | -         | -           |
| 6                            | .261            | -3.68                | Av  | .1            | 10               | 6.42                   | -        | -           | 51.4      | -44.98      |
| 7                            | .303            | 22.16                | Pk  | .1            | 10               | 32.26                  | 60.16    | -27.9       | -         | -           |
| 8                            | .309            | -4.16                | Av  | .1            | 10               | 5.94                   | -        | -           | 50        | -44.06      |
| 9                            | 2.025           | 11.32                | Pk  | .1            | 10.1             | 21.52                  | 56       | -34.48      | -         | -           |
| 10                           | 2.034           | -5.7                 | Av  | .1            | 10.1             | 4.5                    | -        | -           | 46        | -41.5       |
| 11                           | 15.963          | 22.92                | Pk  | .2            | 10.5             | 33.62                  | 60       | -26.38      | -         | -           |
| 12                           | 15.963          | -4.5                 | Av  | .2            | 10.5             | 6.2                    | -        | -           | 50        | -43.8       |

Pk - Peak detector  
 Av - Average detection

**LINE 2 RESULTS**



| Range 2: Line-L2 .15 - 30MHz |                 |                      |     |               |                  |                        |          |             |           |             |
|------------------------------|-----------------|----------------------|-----|---------------|------------------|------------------------|----------|-------------|-----------|-------------|
| Marker                       | Frequency (MHz) | Meter Reading (dBuV) | Det | LISN VCF [dB] | Cbl/Limiter (dB) | Corrected Reading dBuV | QP Limit | Margin (dB) | Avg Limit | Margin (dB) |
| 13                           | .174            | 29.47                | Pk  | .2            | 10               | 39.67                  | 64.77    | -25.1       | -         | -           |
| 14                           | .174            | -1.9                 | Av  | .2            | 10               | 8.3                    | -        | -           | 54.77     | -46.47      |
| 15                           | .216            | 27.53                | Pk  | .1            | 10               | 37.63                  | 62.97    | -25.34      | -         | -           |
| 16                           | .225            | 4.91                 | Av  | .1            | 10               | 15.01                  | -        | -           | 52.63     | -37.62      |
| 17                           | .258            | 25.86                | Pk  | .1            | 10               | 35.96                  | 61.5     | -25.54      | -         | -           |
| 18                           | .258            | -3.22                | Av  | .1            | 10               | 6.88                   | -        | -           | 51.5      | -44.62      |
| 19                           | .3              | 21.42                | Pk  | .1            | 10               | 31.52                  | 60.24    | -28.72      | -         | -           |
| 20                           | .3              | -3.8                 | Av  | .1            | 10               | 6.3                    | -        | -           | 50.24     | -43.94      |
| 21                           | .792            | 30.62                | Pk  | 0             | 10               | 40.62                  | 56       | -15.38      | -         | -           |
| 22                           | .792            | -.49                 | Av  | 0             | 10               | 9.51                   | -        | -           | 46        | -36.49      |
| 23                           | 18.684          | 23.43                | Pk  | .2            | 10.5             | 34.13                  | 60       | -25.87      | -         | -           |
| 24                           | 18.72           | -5                   | Av  | .2            | 10.5             | 5.7                    | -        | -           | 50        | -44.3       |

Pk - Peak detector  
 Av - Average detection