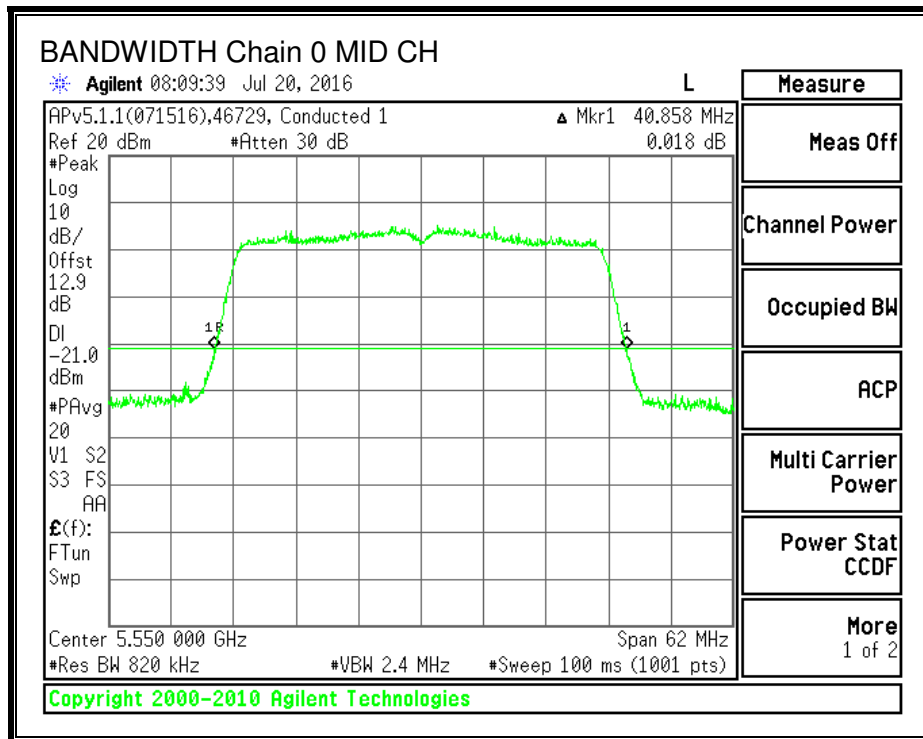
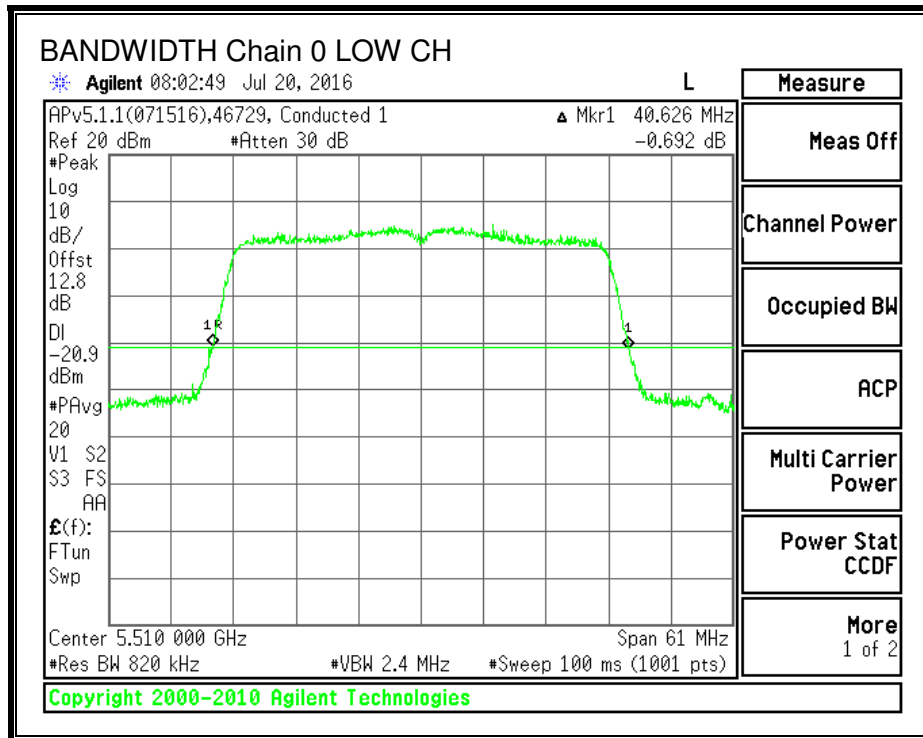
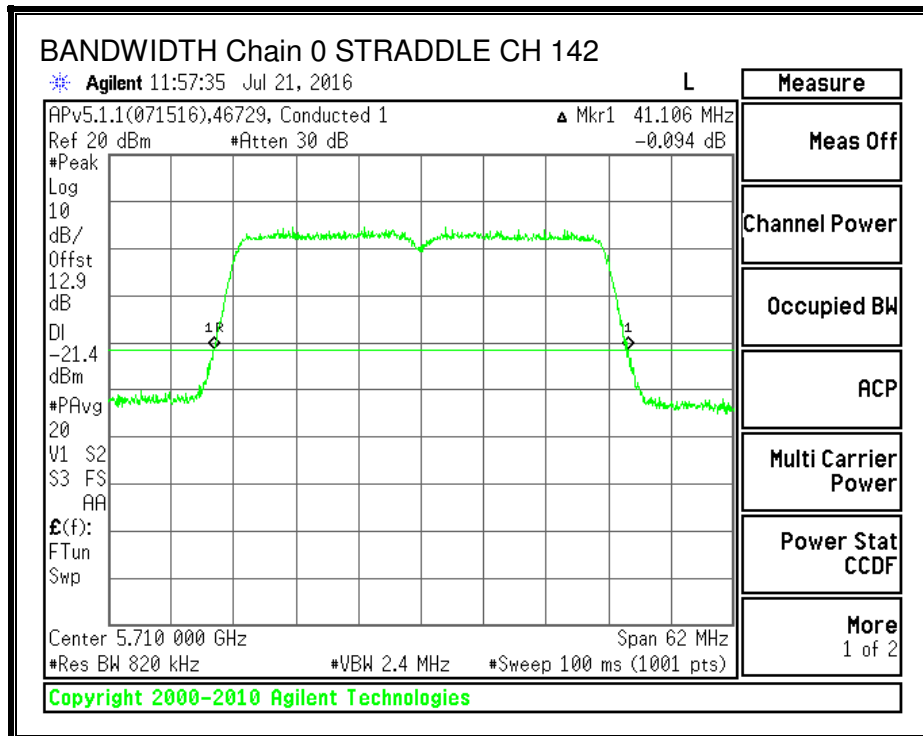
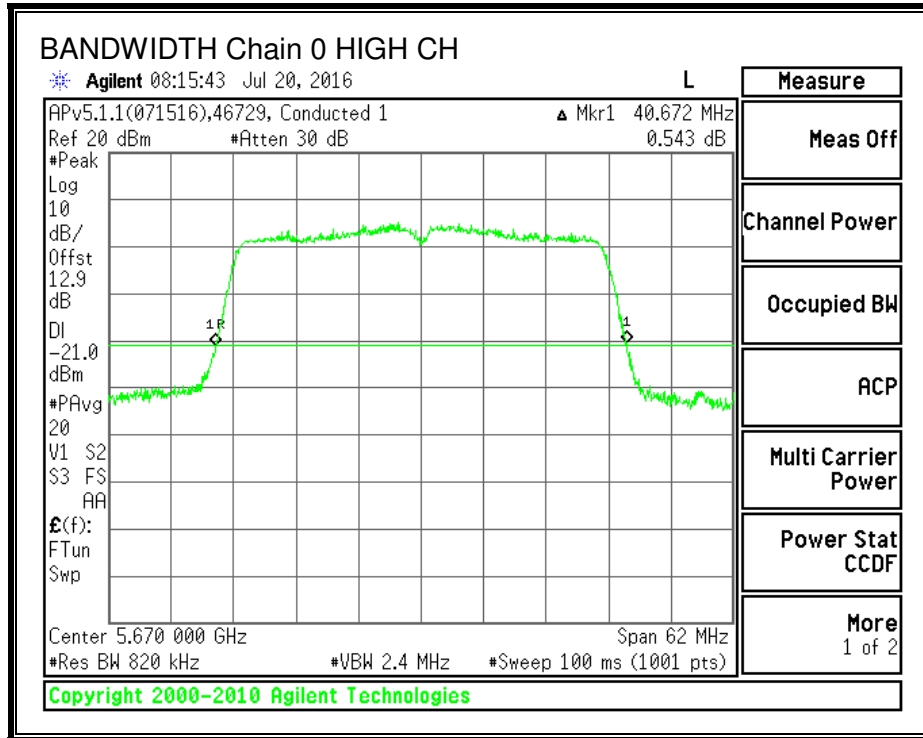
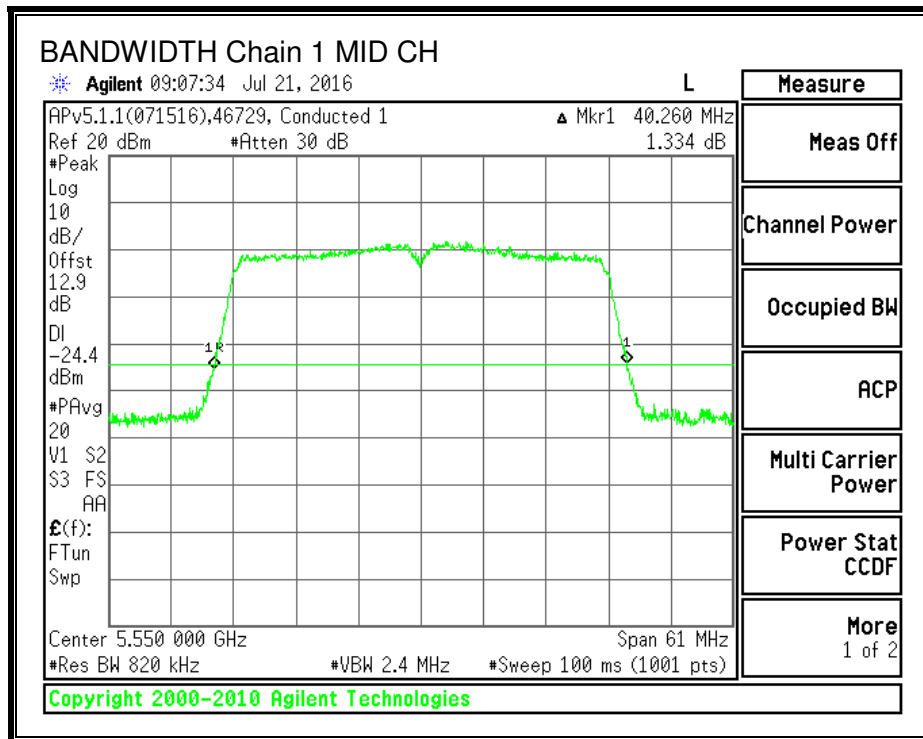
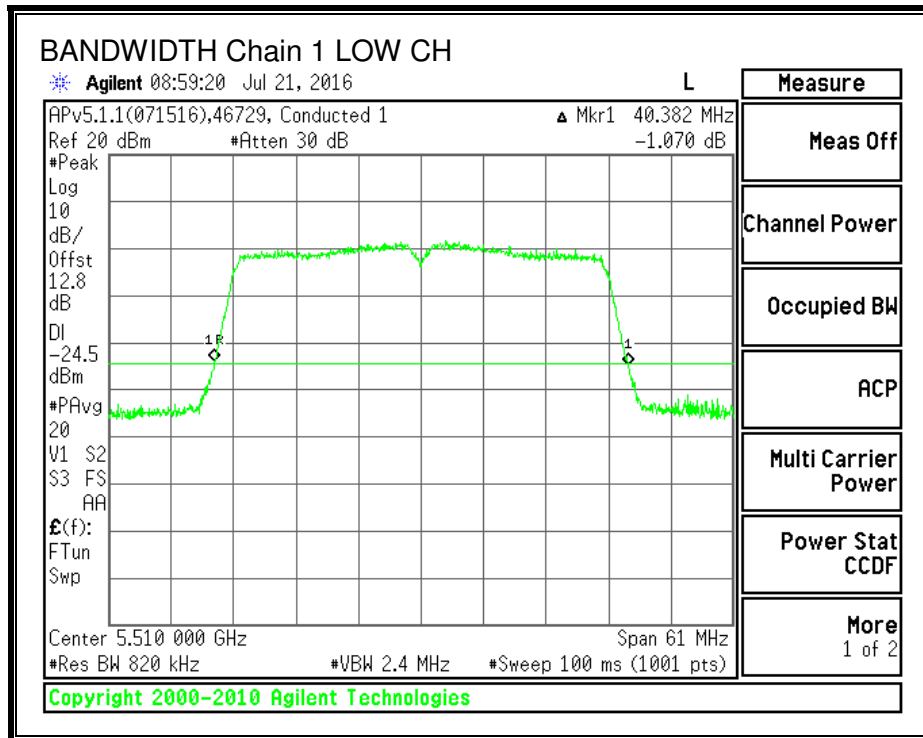


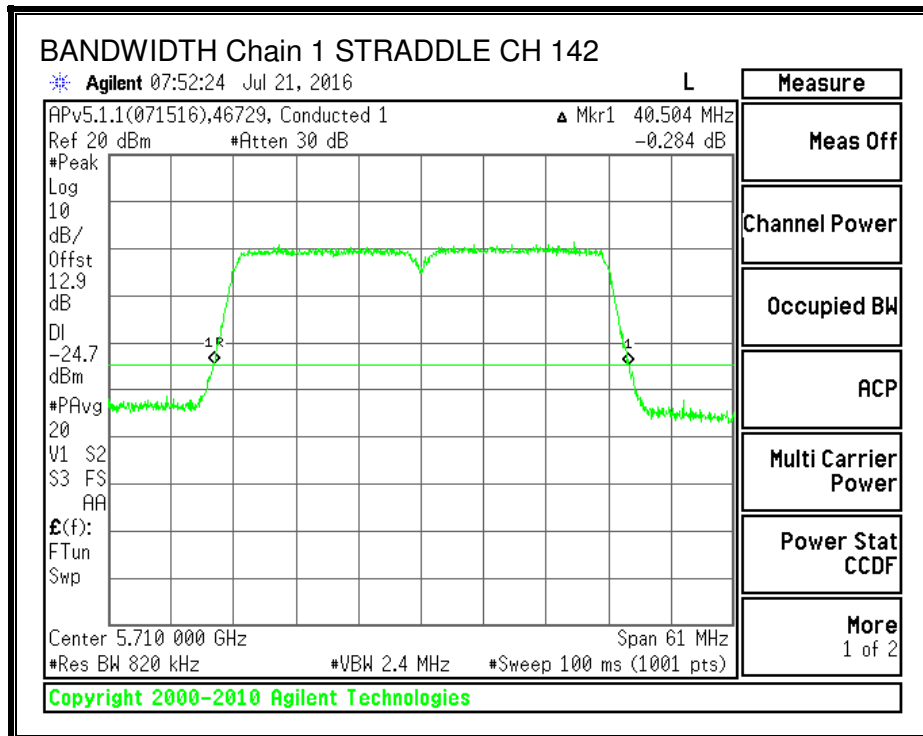
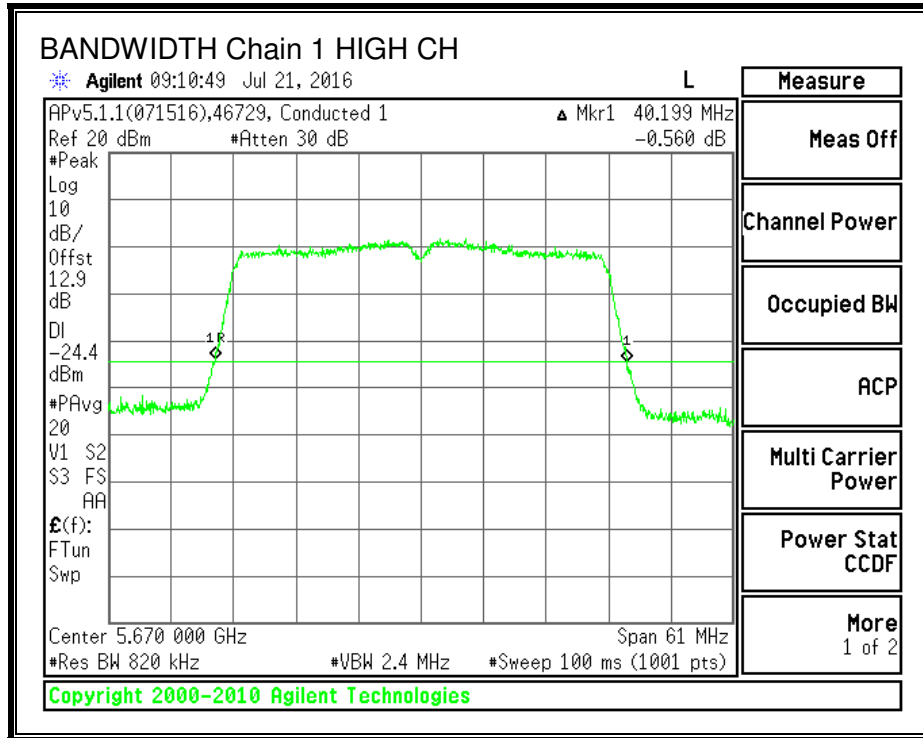
**26 dB BANDWIDTH, Chain 0**





**26 dB BANDWIDTH, Chain 1**





**8.12.2. 99% BANDWIDTH**

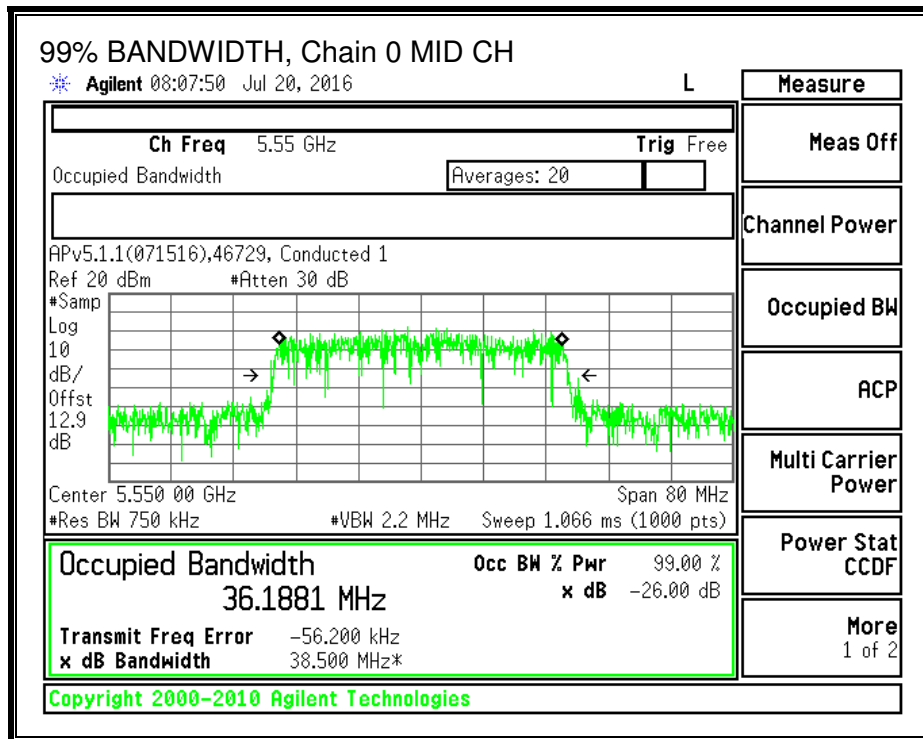
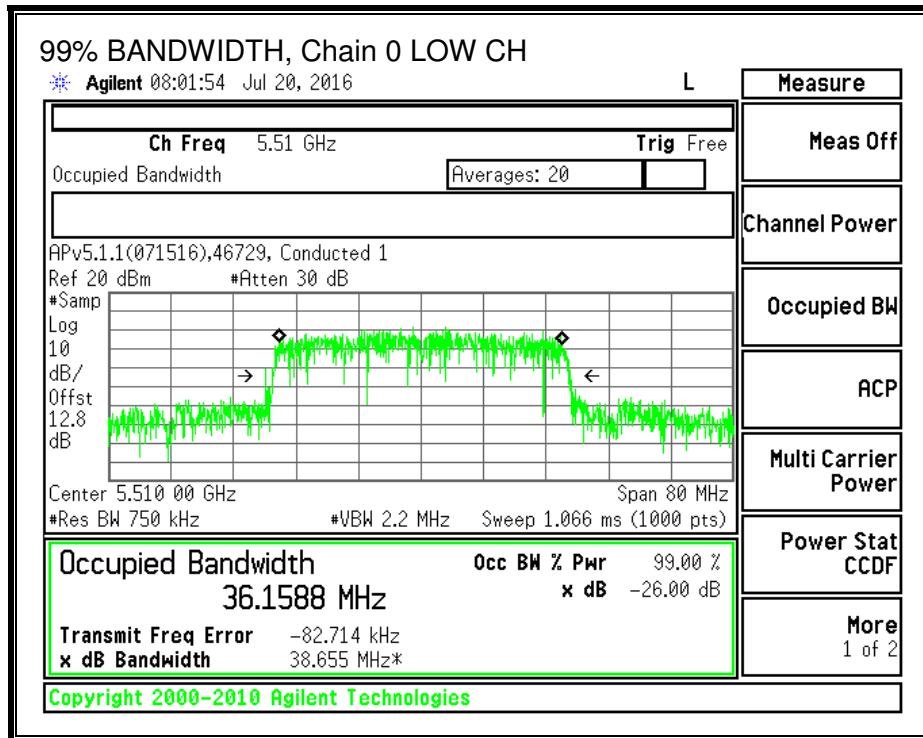
**LIMITS**

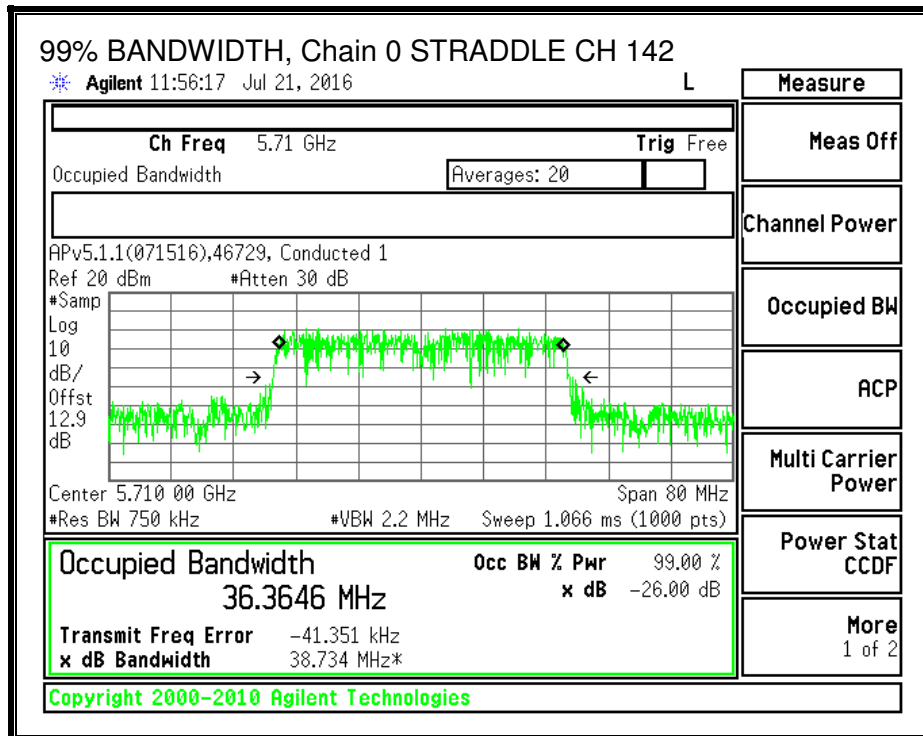
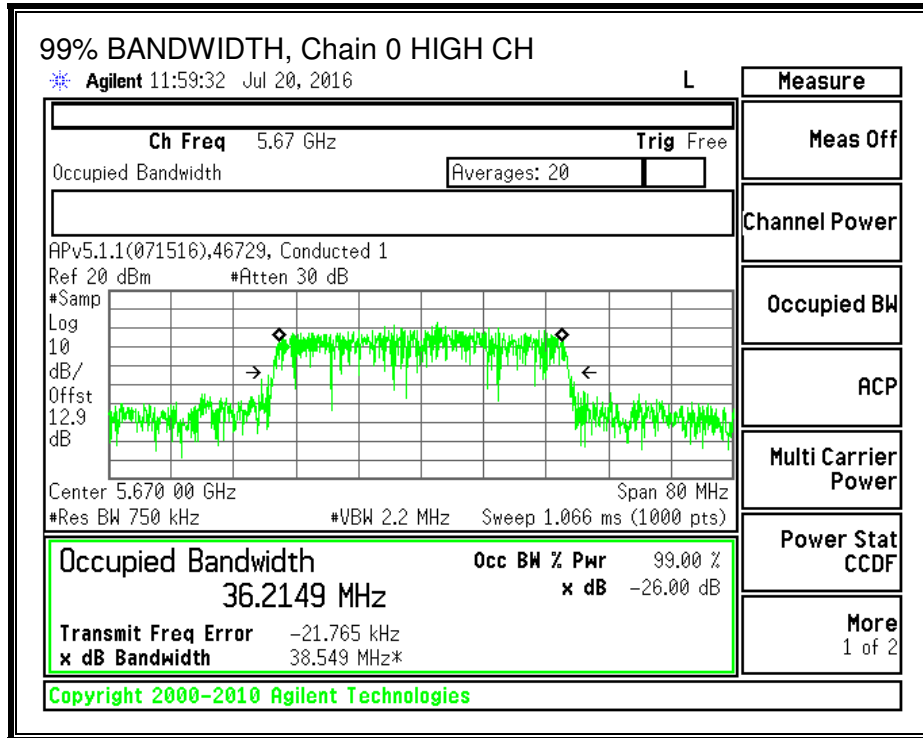
None; for reporting purposes only.

**RESULTS**

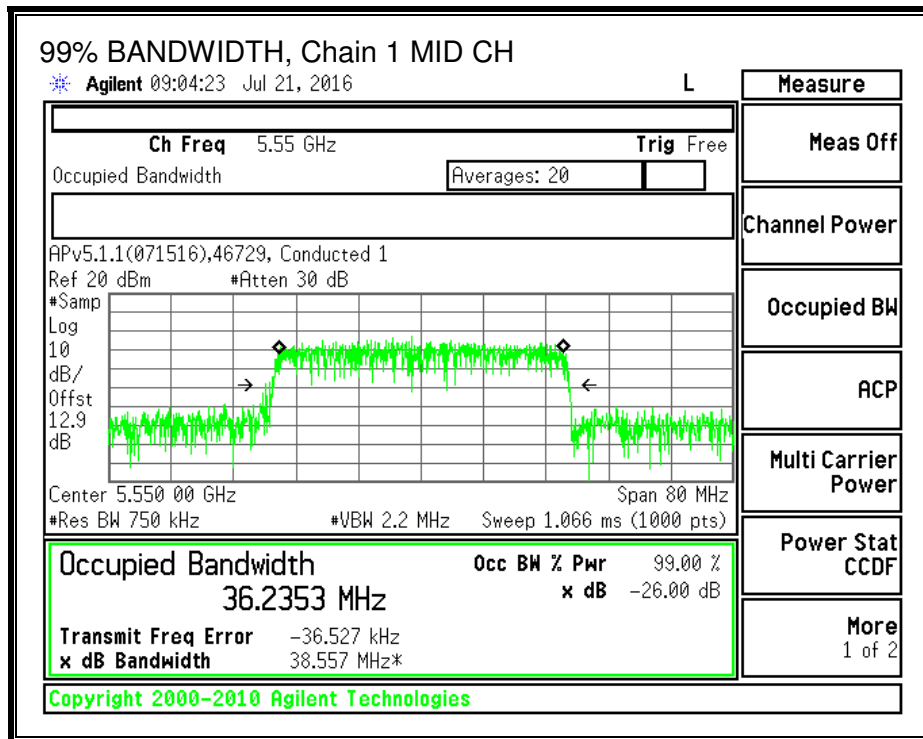
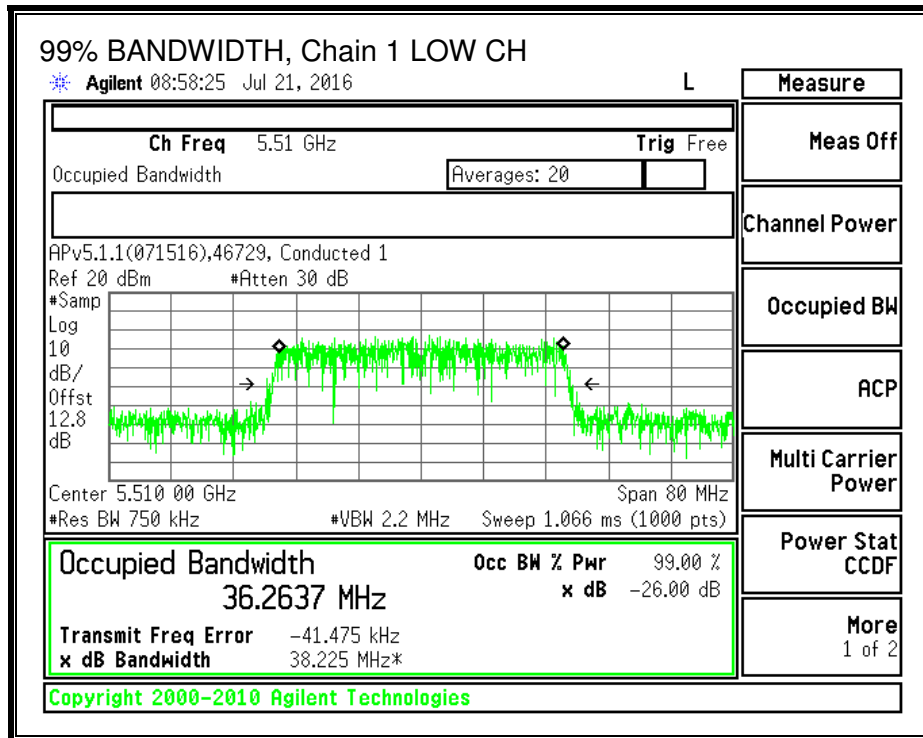
Channel	Frequency (MHz)	99% BW Chain 0 (MHz)	99% BW Chain 1 (MHz)
Low	5510	36.1588	36.2637
Mid	5550	36.1881	36.2353
High	5670	36.2149	36.2628
142	5710	36.3646	36.2781

**99% BANDWIDTH, Chain 0**

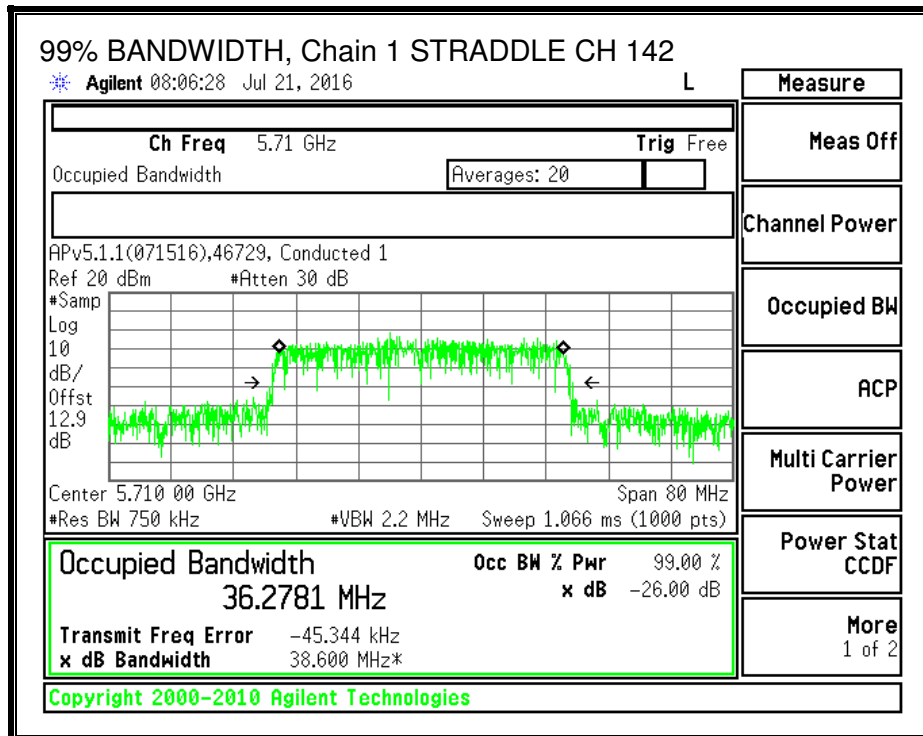
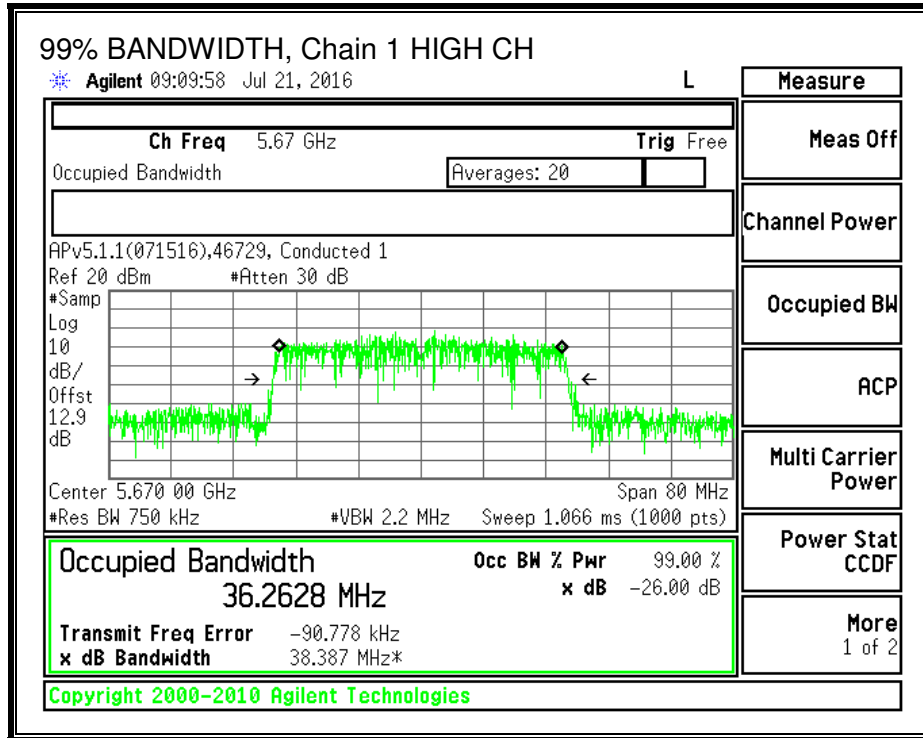




**99% BANDWIDTH, Chain 1**







### 8.12.3. AVERAGE POWER

#### LIMITS

None; for reporting purposes only.

#### RESULTS

##### Average Power Results

Channel	Frequency (MHz)	Chain 0 Power (dBm)	Chain 1 Power (dBm)	Total Power (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 Antenna Gain (dBi)	Chain 1 Antenna Gain (dBi)	Uncorrelated Chains Directional Gain (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 Antenna Gain (dBi)	Chain 1 Antenna Gain (dBi)	Correlated Chains Directional Gain (dBi)
-2.10	-2.20	0.86

**RESULTS**

**Bandwidth, Antenna Gain, and Limits**

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Directional Gain for Power (dBi)	Directional Gain for PSD (dBi)	Power Limit (dBm)	PSD Limit (dBm)
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>
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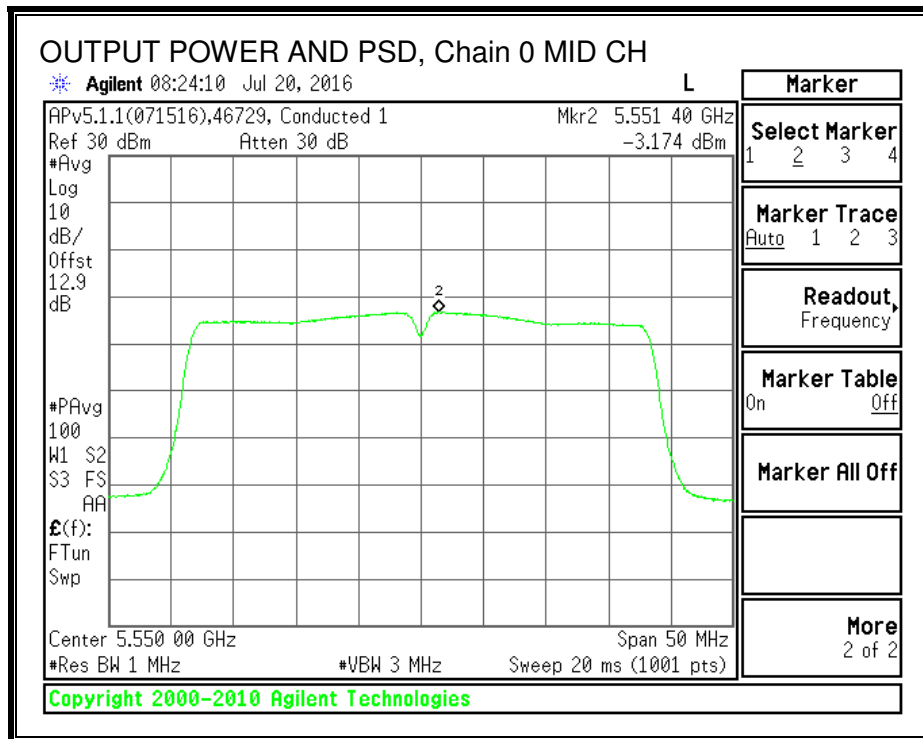
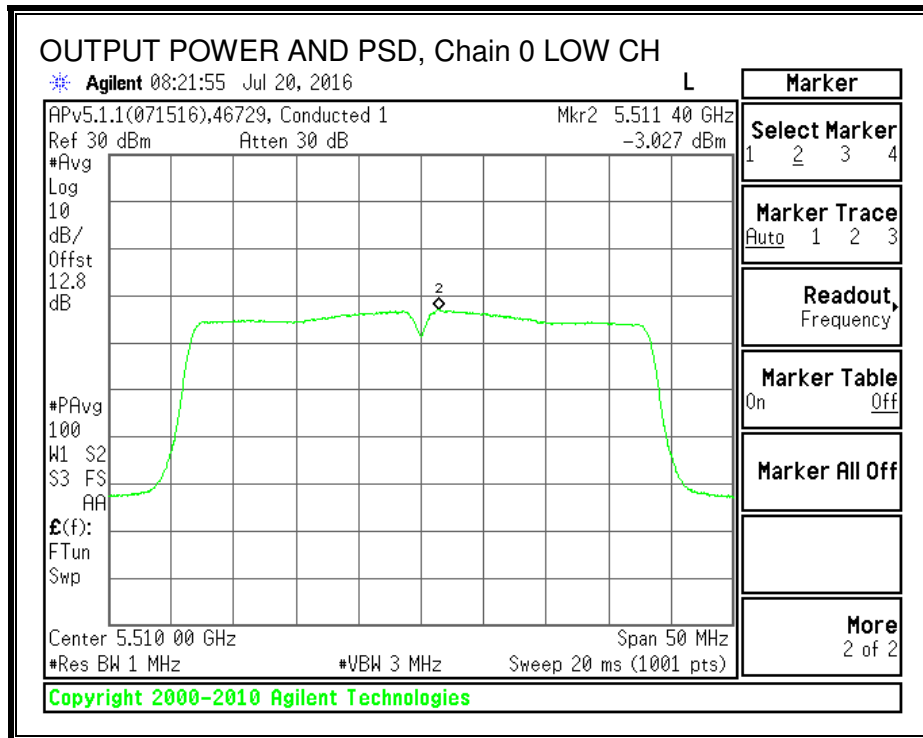
**Output Power Results**

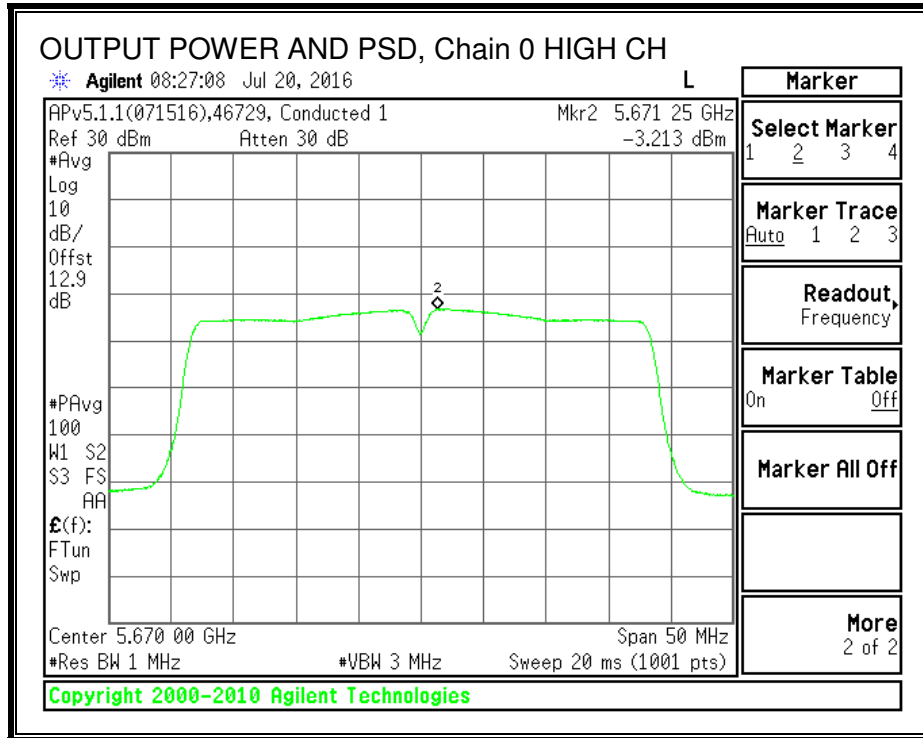
Channel	Frequency (MHz)	Chain 0 Meas Power (dBm)	Chain 1 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5510	10.30	6.21	11.85	24.00	-12.15
Mid	5550	10.09	6.44	11.77	24.00	-12.23
High	5670	10.23	6.36	11.84	24.00	-12.16

**PSD Results**

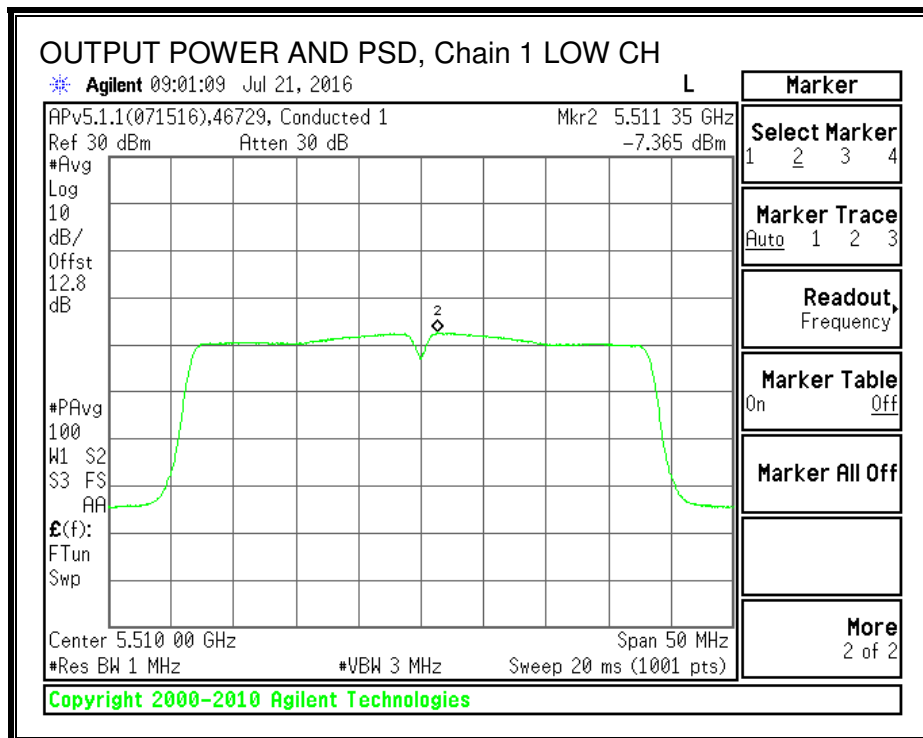
Channel	Frequency (MHz)	Chain 0 Meas PSD (dBm)	Chain 1 Meas PSD (dBm)	Total Corr'd PSD (dBm)	PSD Limit (dBm)	PSD Margin (dB)
Low	5510	-3.03	-7.37	-1.55	11.00	-12.55
Mid	5550	-3.17	-7.29	-1.63	11.00	-12.63
High	5670	-3.21	-7.31	-1.66	11.00	-12.66

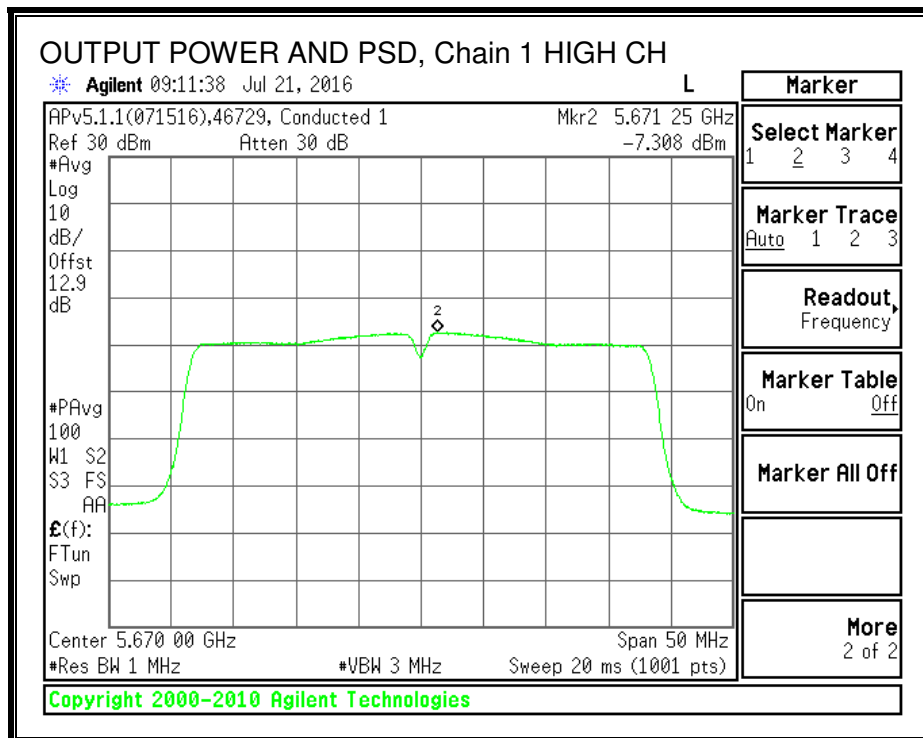
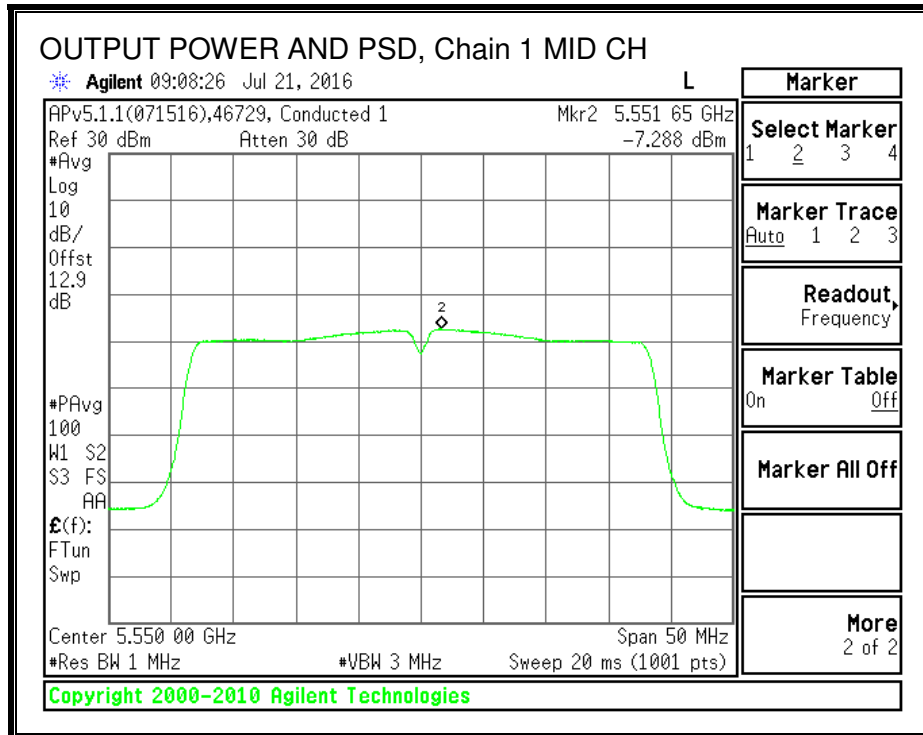
**OUTPUT POWER AND PSD, Chain 0**





**OUTPUT POWER AND PSD, Chain 1**





**STRADDLE CHANNEL 142 RESULTS**

**UNII-2C BAND**

**Bandwidth, Antenna Gain, and Limits**

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Directional Gain for Power (dBi)	Directional Gain for PSD (dBi)	Power Limit (dBm)	PSD Limit (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>
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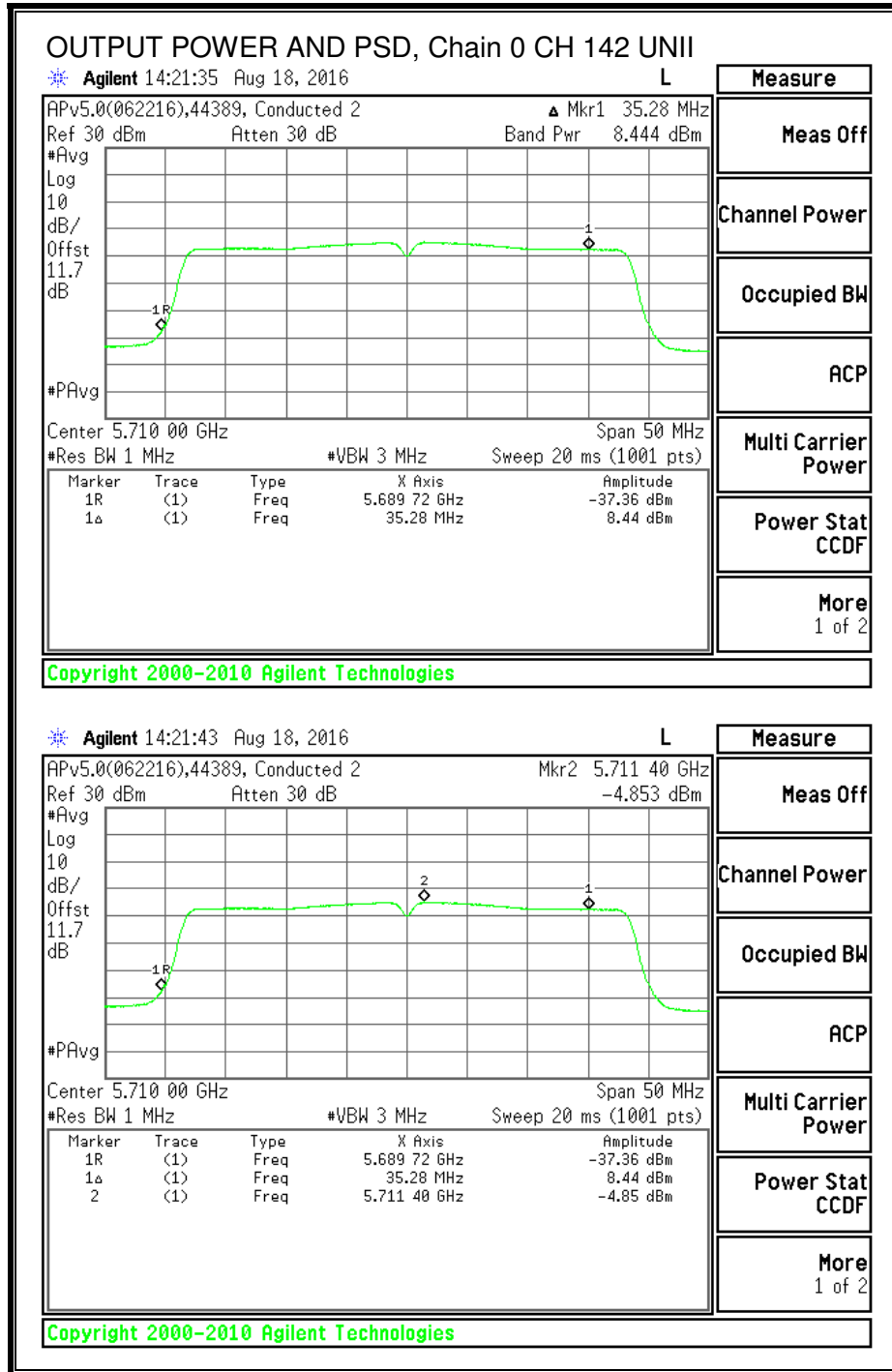
**Output Power Results**

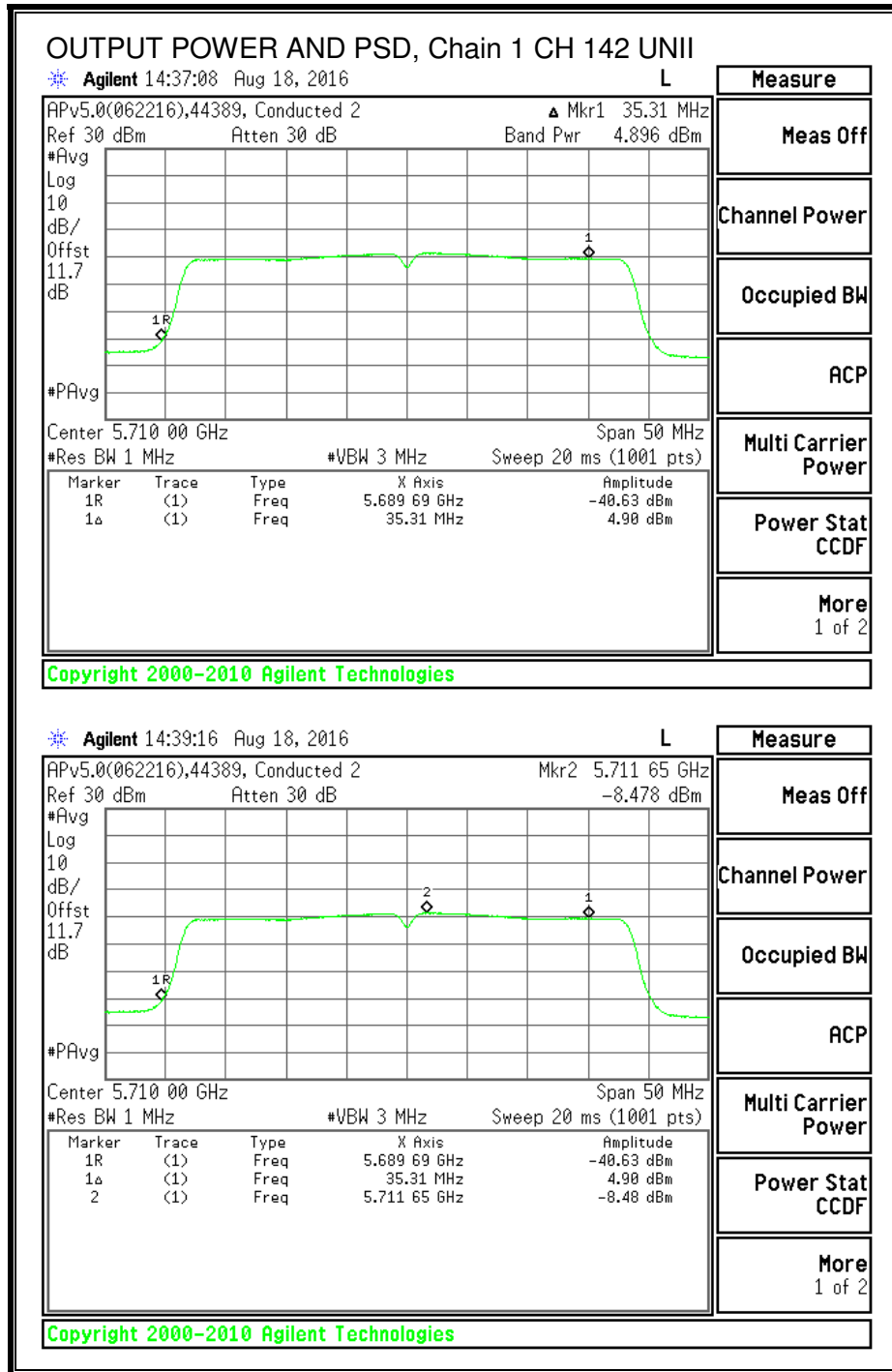
Channel	Frequency (MHz)	Chain 0 Meas Power (dBm)	Chain 1 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
142	5710	8.44	4.90	10.15	24.00	-13.85

**PSD Results**

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







**UNII-3 BAND**

**Antenna Gain and Limit**

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

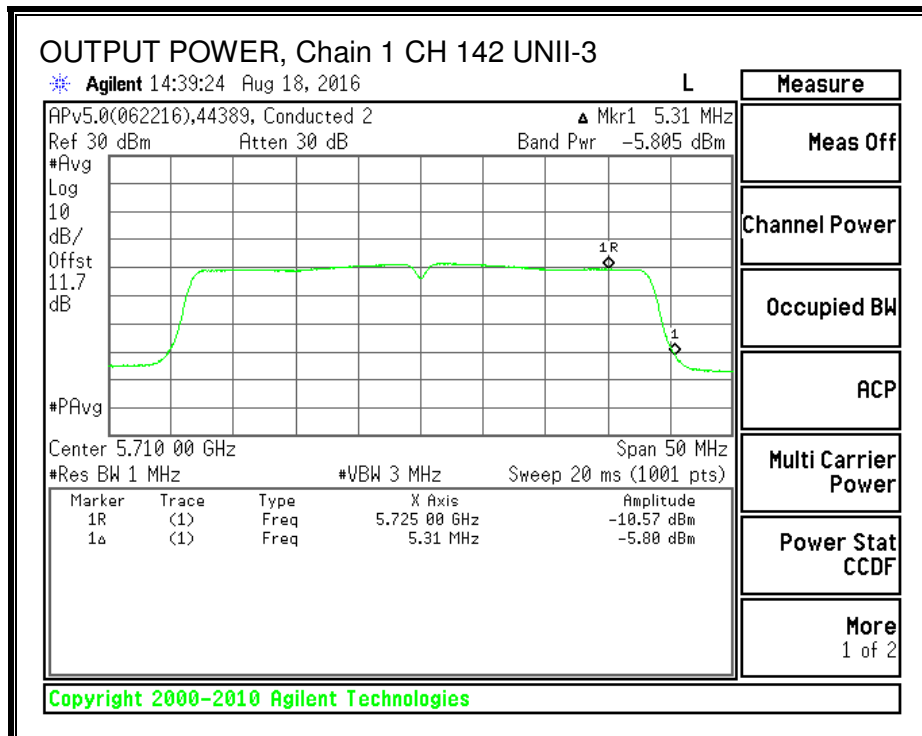
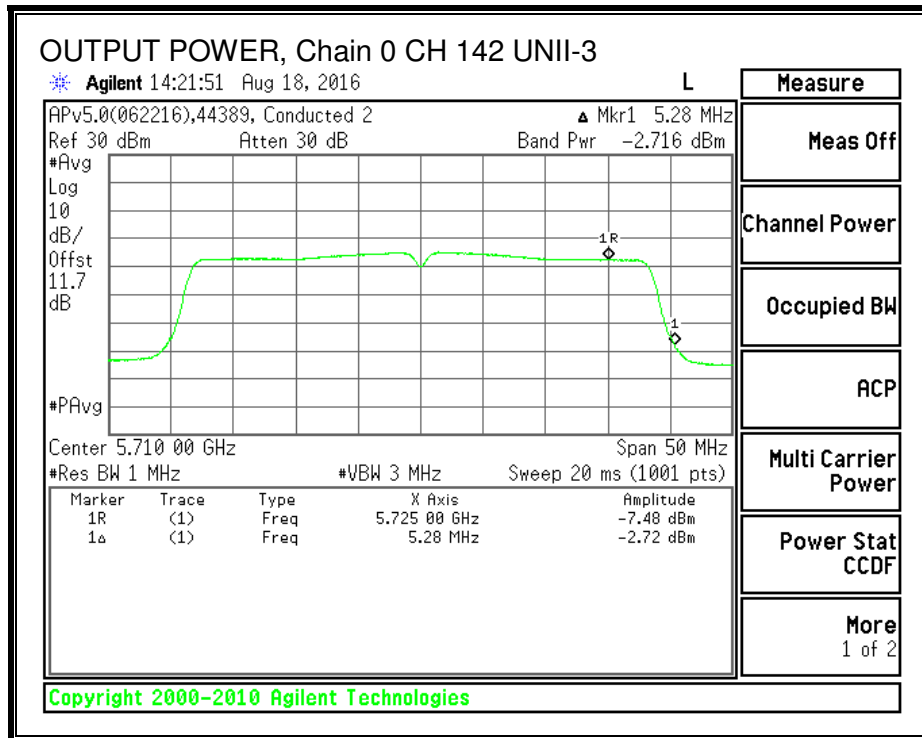
<b>Duty Cycle CF (dB)</b>	0.12	<b>Included in Calculations of Corr'd Power &amp; PSD</b>
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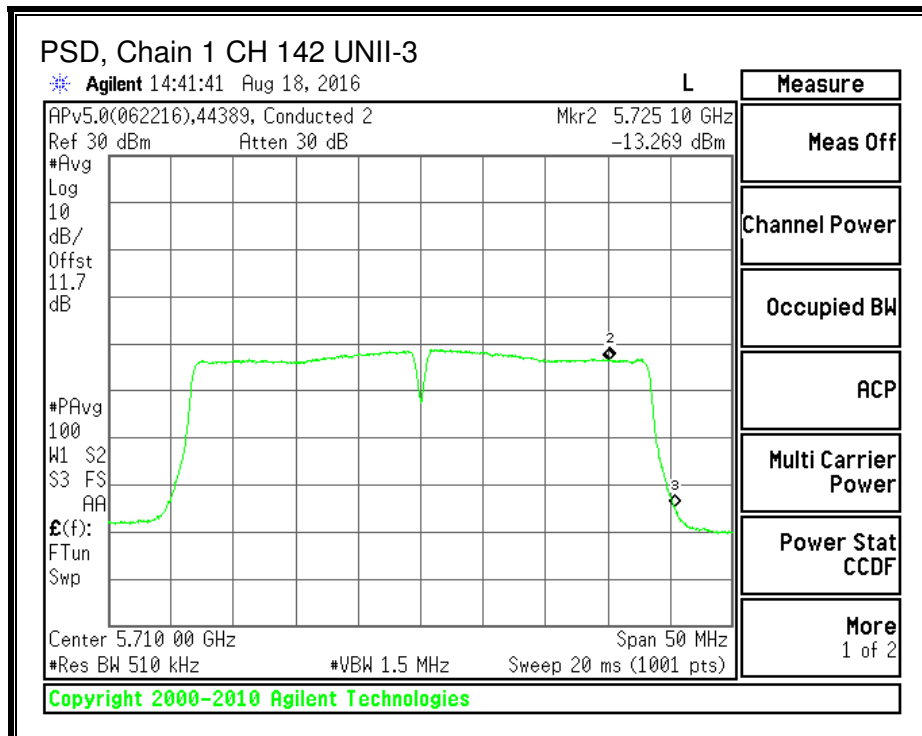
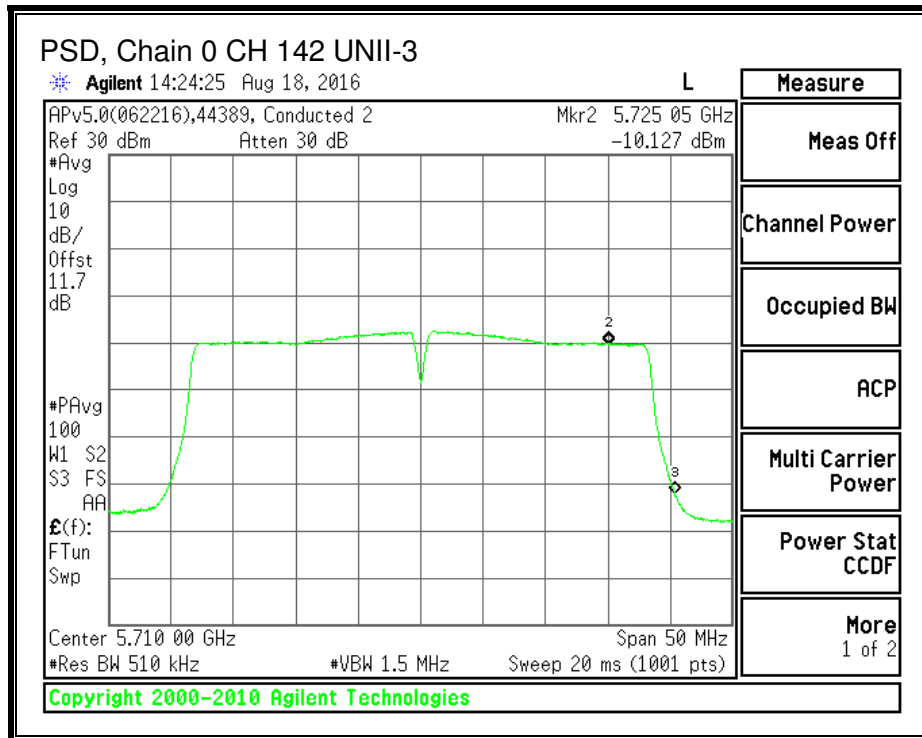
**Output Power Results**

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

**PSD Results**

Channel	Frequency (MHz)	Chain 0 Meas PSD (dBm)	Chain 1 Meas PSD (dBm)	Total Corr'd PSD (dBm)	PSD Limit (dBm)	PSD Margin (dB)
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

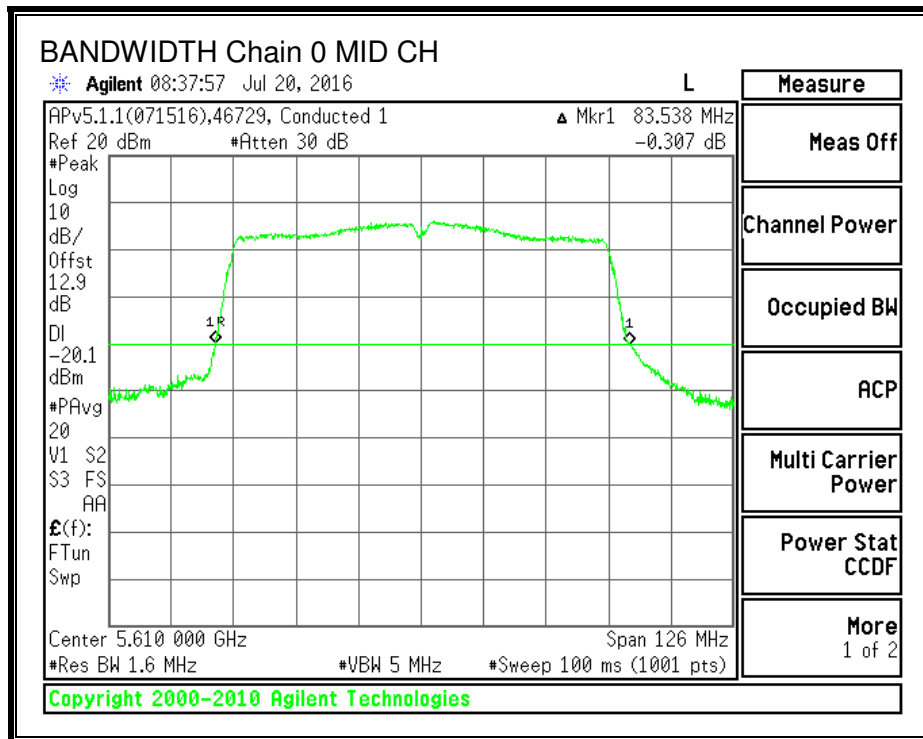
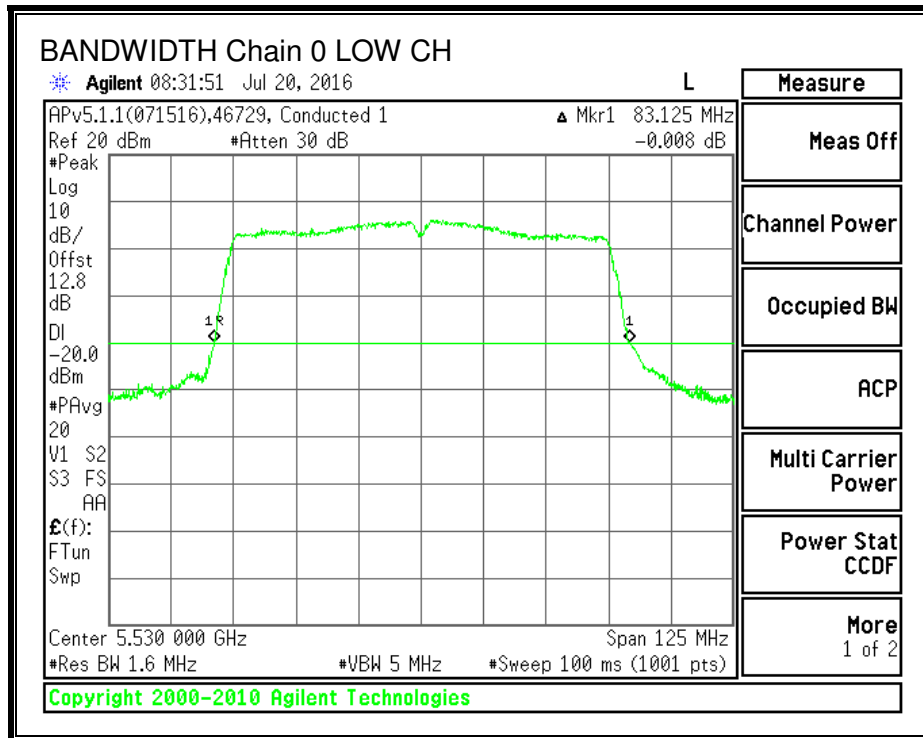
##### LIMITS

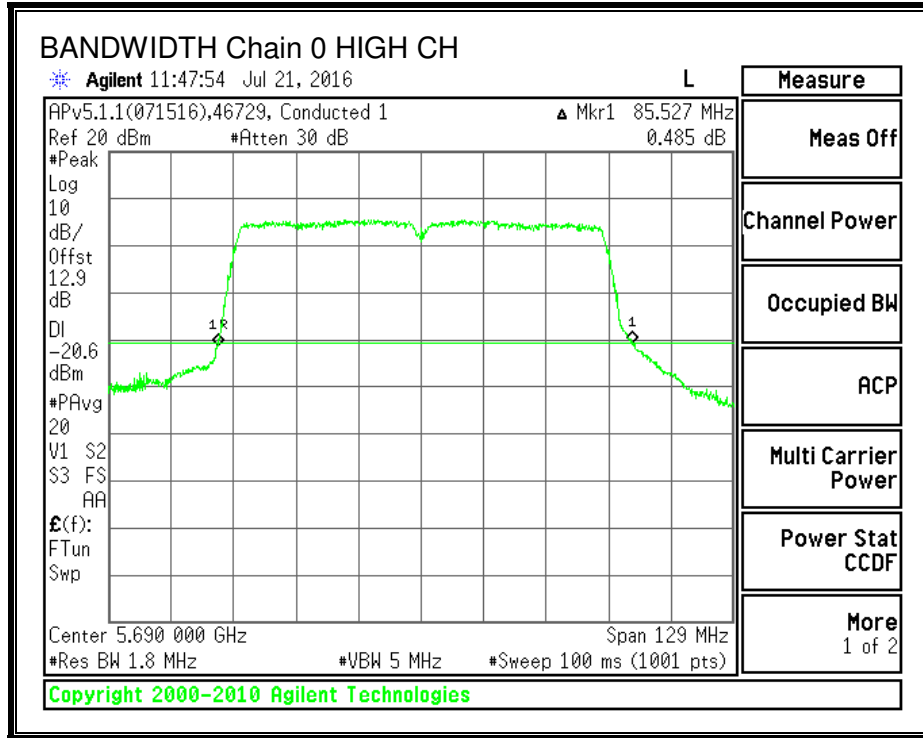
None; for reporting purposes only.

##### RESULTS

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

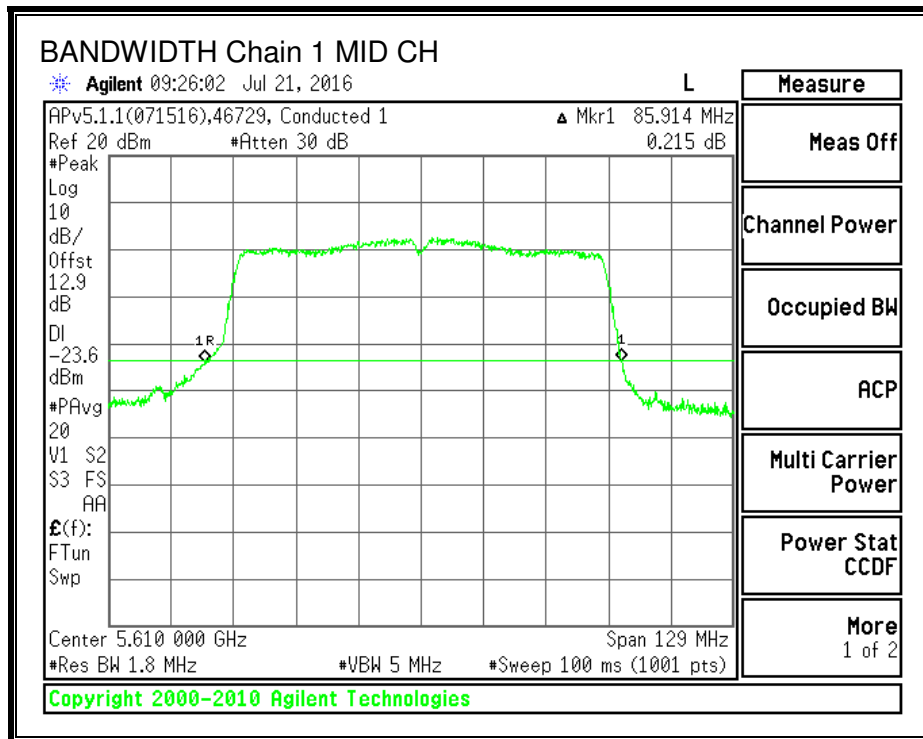
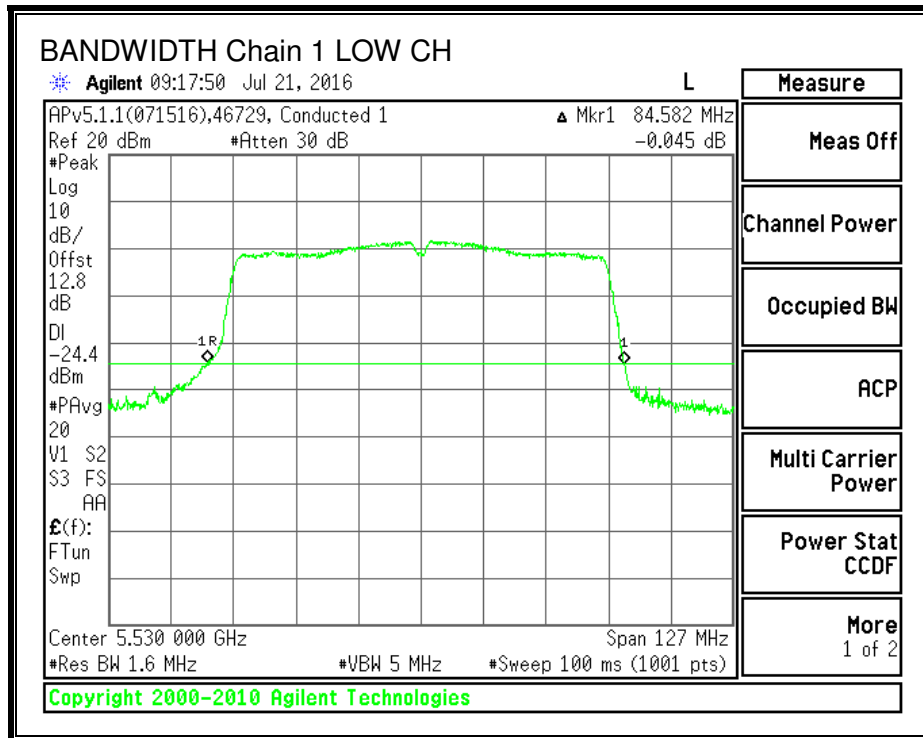
**26 dB BANDWIDTH, Chain 0**

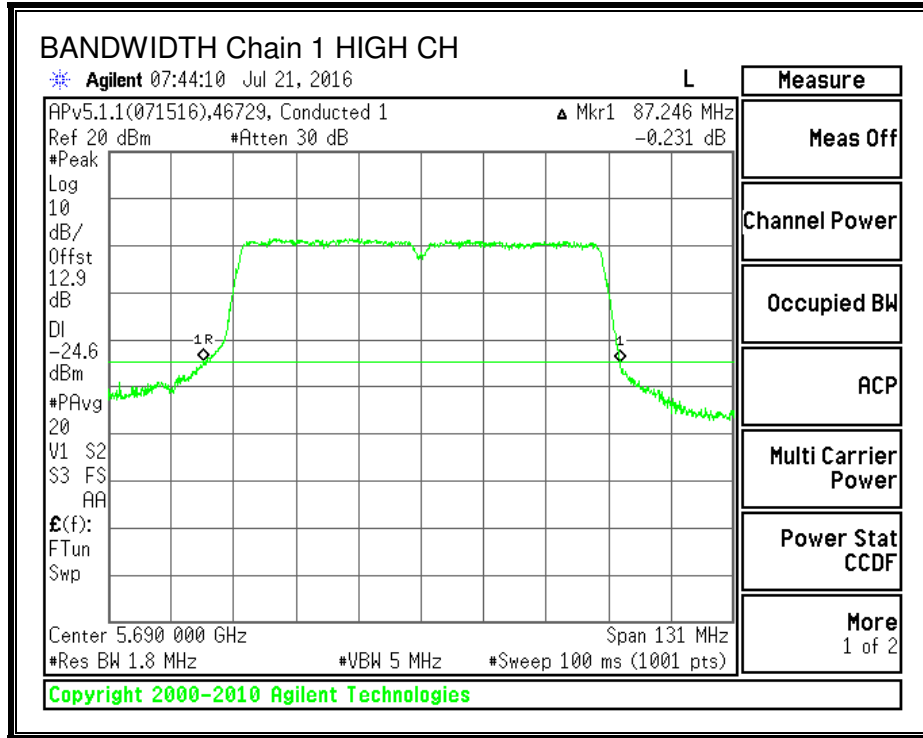






**26 dB BANDWIDTH, Chain 1**





**8.13.2. 99% BANDWIDTH**

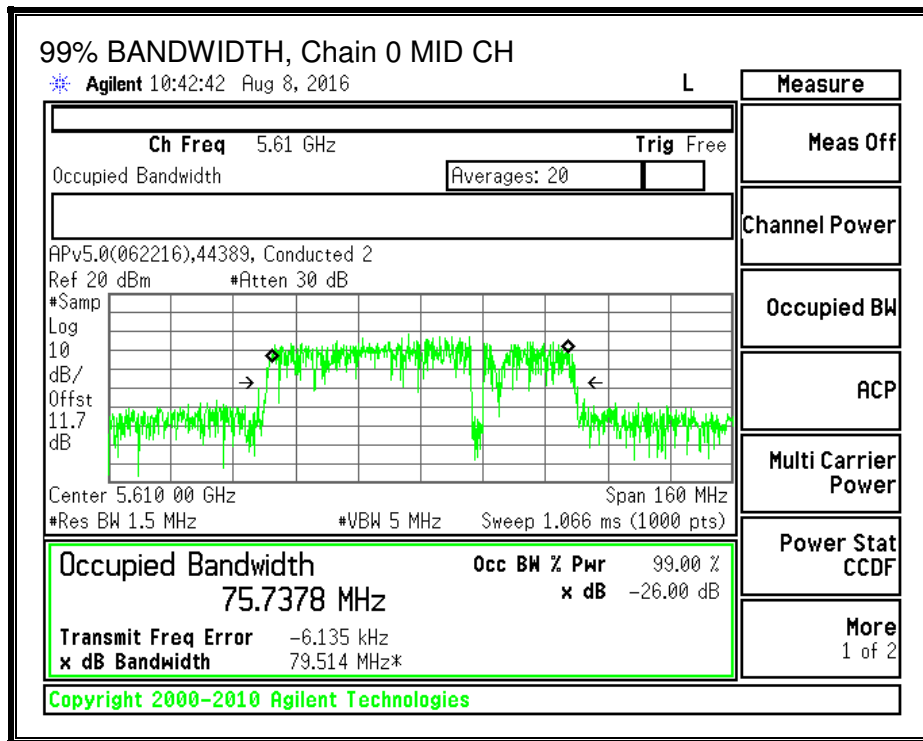
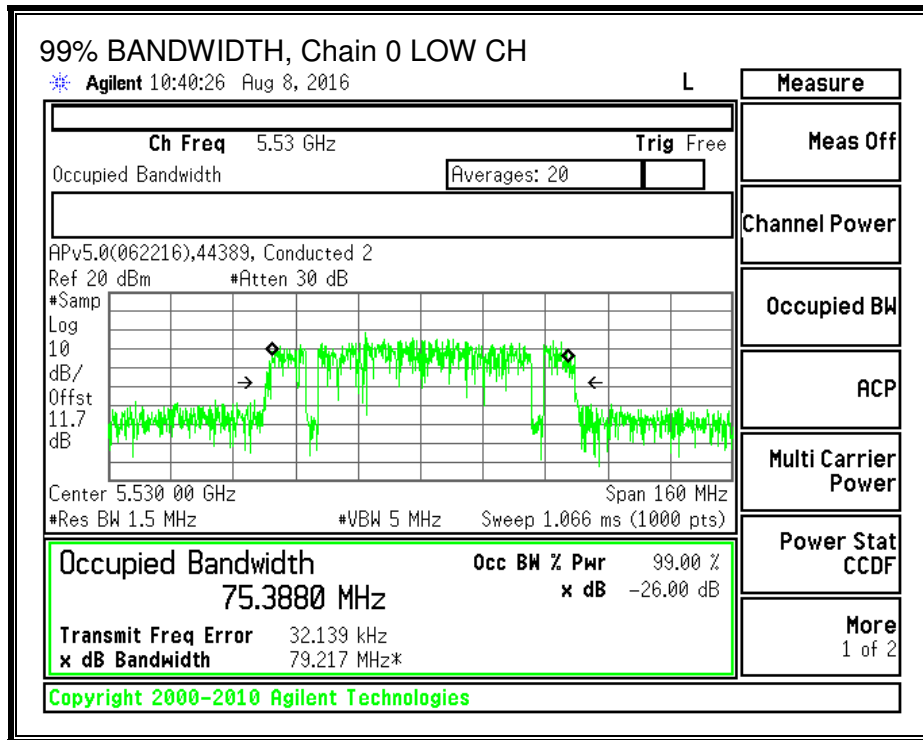
**LIMITS**

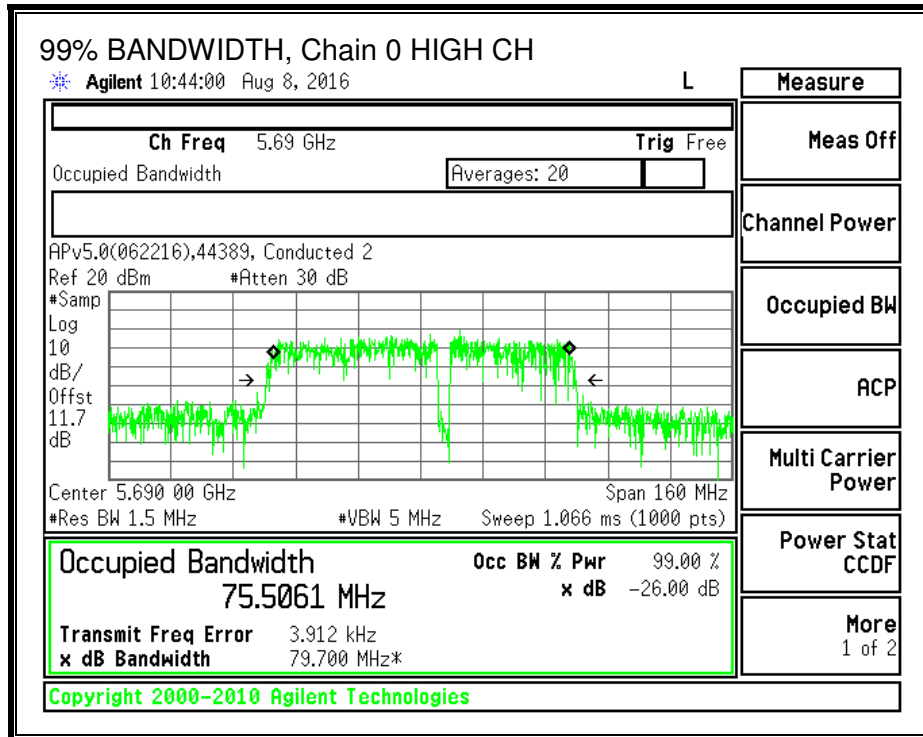
None; for reporting purposes only.

**RESULTS**

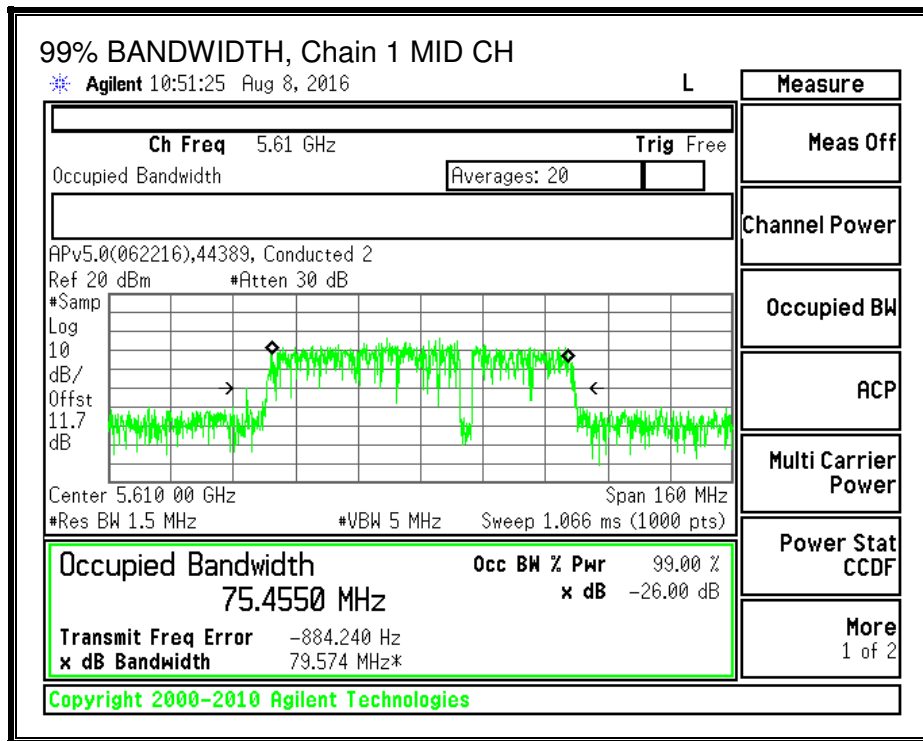
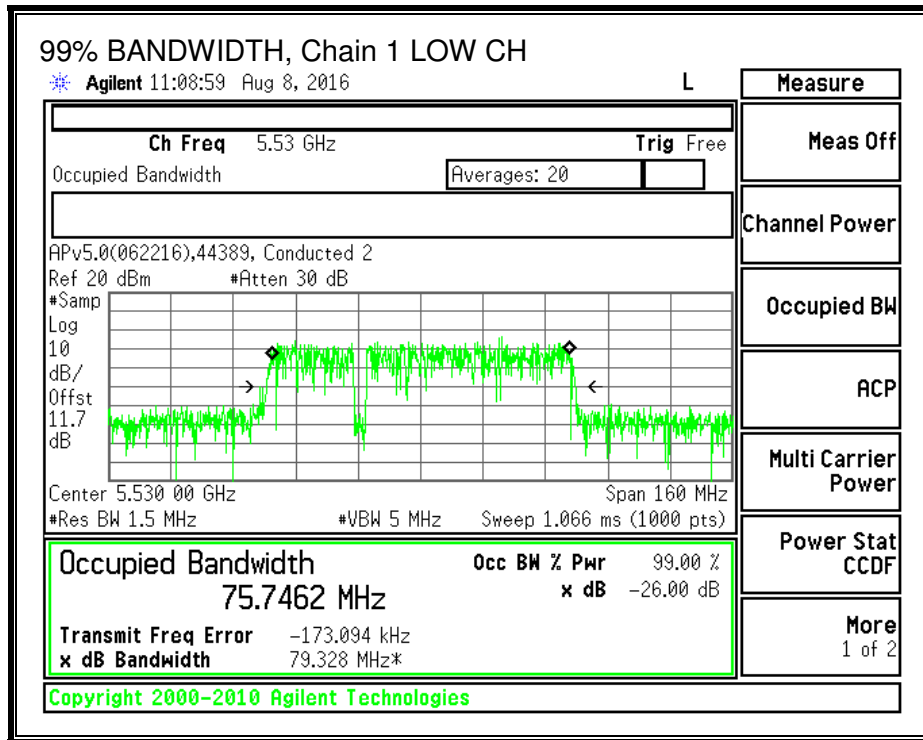
Channel	Frequency (MHz)	99% BW Chain 0 (MHz)	99% BW Chain 1 (MHz)
Low	5530	75.3880	75.7462
Mid	5610	75.7378	75.4550
High	5690	75.5061	75.6913

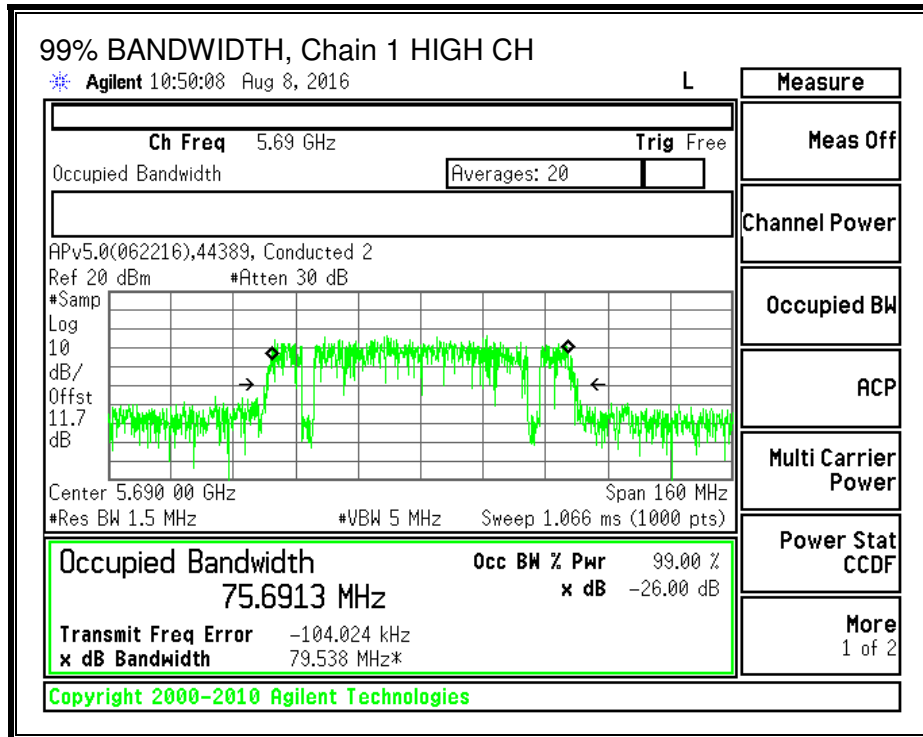
**99% BANDWIDTH, Chain 0**





**99% BANDWIDTH, Chain 1**





### 8.13.3. AVERAGE POWER

#### LIMITS

None; for reporting purposes only.

#### RESULTS

##### Average Power Results

Channel	Frequency (MHz)	Chain 0 Power (dBm)	Chain 1 Power (dBm)	Total Power (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:

<b>Chain 0 Antenna Gain (dBi)</b>	<b>Chain 1 Antenna Gain (dBi)</b>	<b>Uncorrelated Chains Directional Gain (dBi)</b>
-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:

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

**RESULTS**

**Bandwidth, Antenna Gain, and Limits**

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Directional Gain for Power (dBi)	Directional Gain for PSD (dBi)	Power Limit (dBm)	PSD Limit (dBm)
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>
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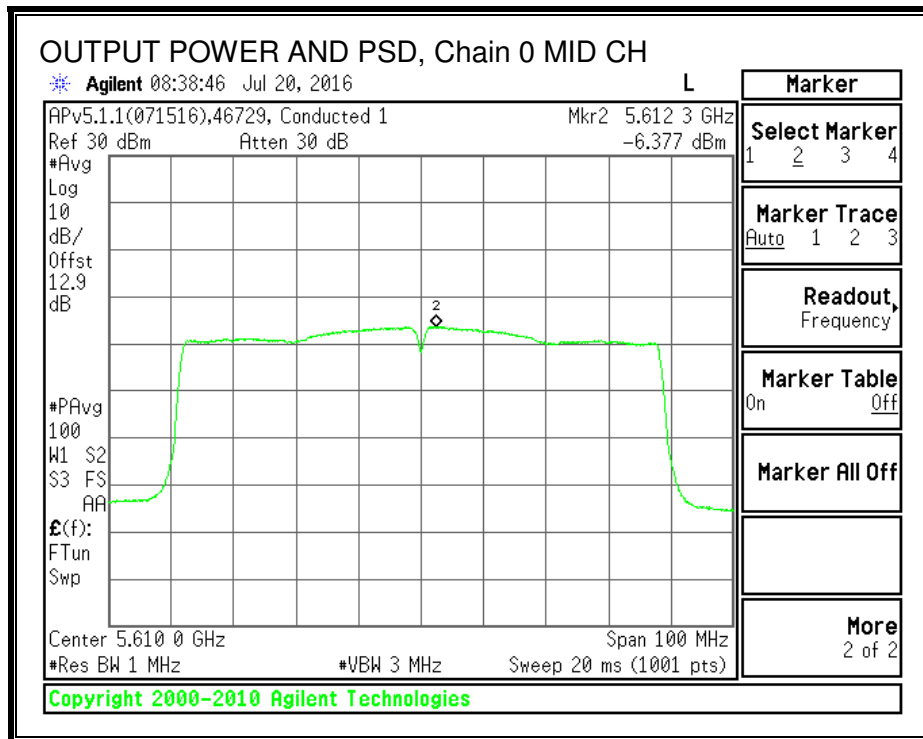
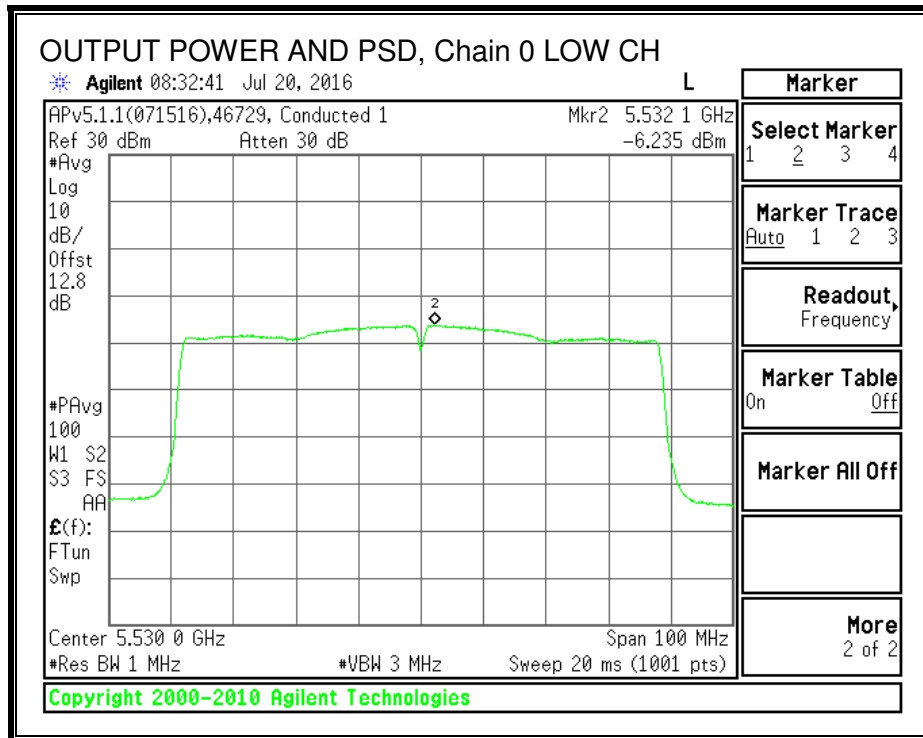
**Output Power Results**

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

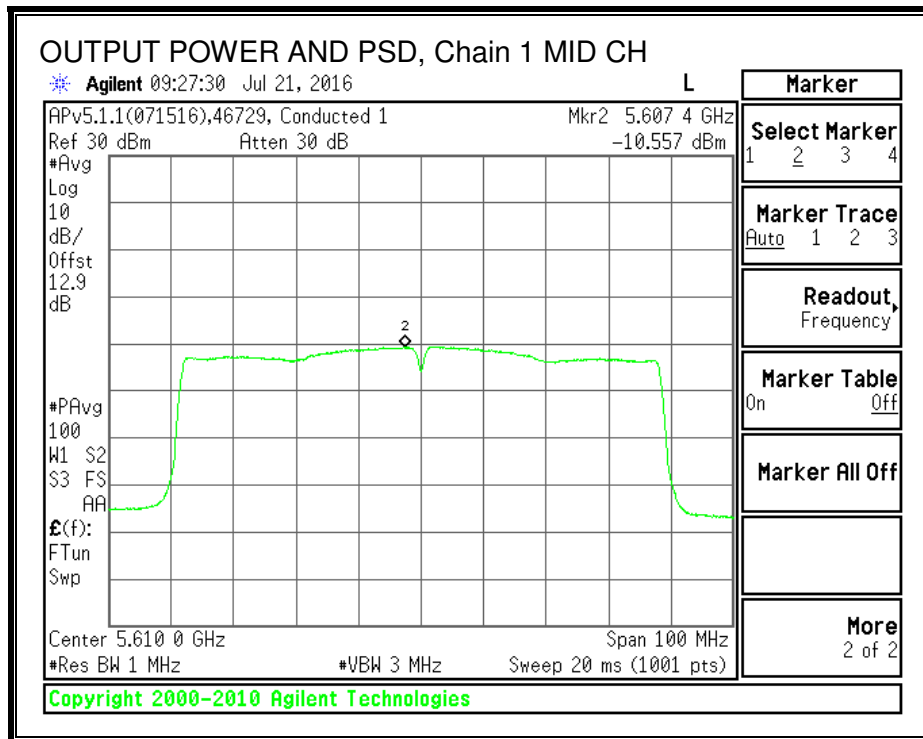
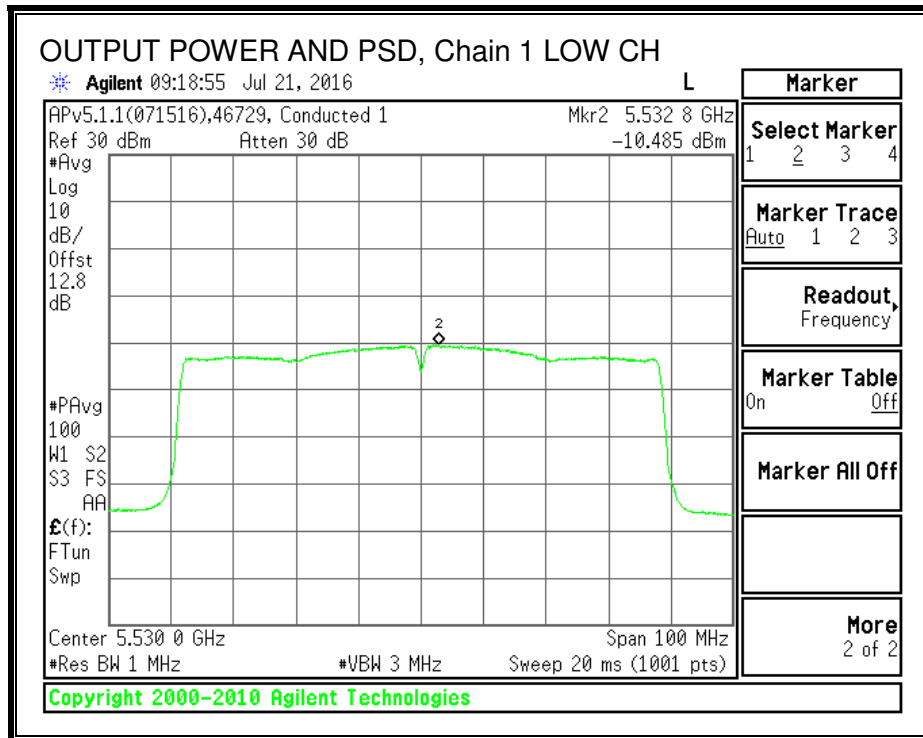
**PSD Results**

Channel	Frequency (MHz)	Chain 0 Meas PSD (dBm)	Chain 1 Meas PSD (dBm)	Total Corr'd PSD (dBm)	PSD Limit (dBm)	PSD Margin (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 (MHz)	Min 26 dB BW (MHz)	Directional Gain for Power (dBi)	Directional Gain for PSD (dBi)	Power Limit (dBm)	PSD Limit (dBm)
138	5690	85.53	-2.15	0.86	24.00	11.00

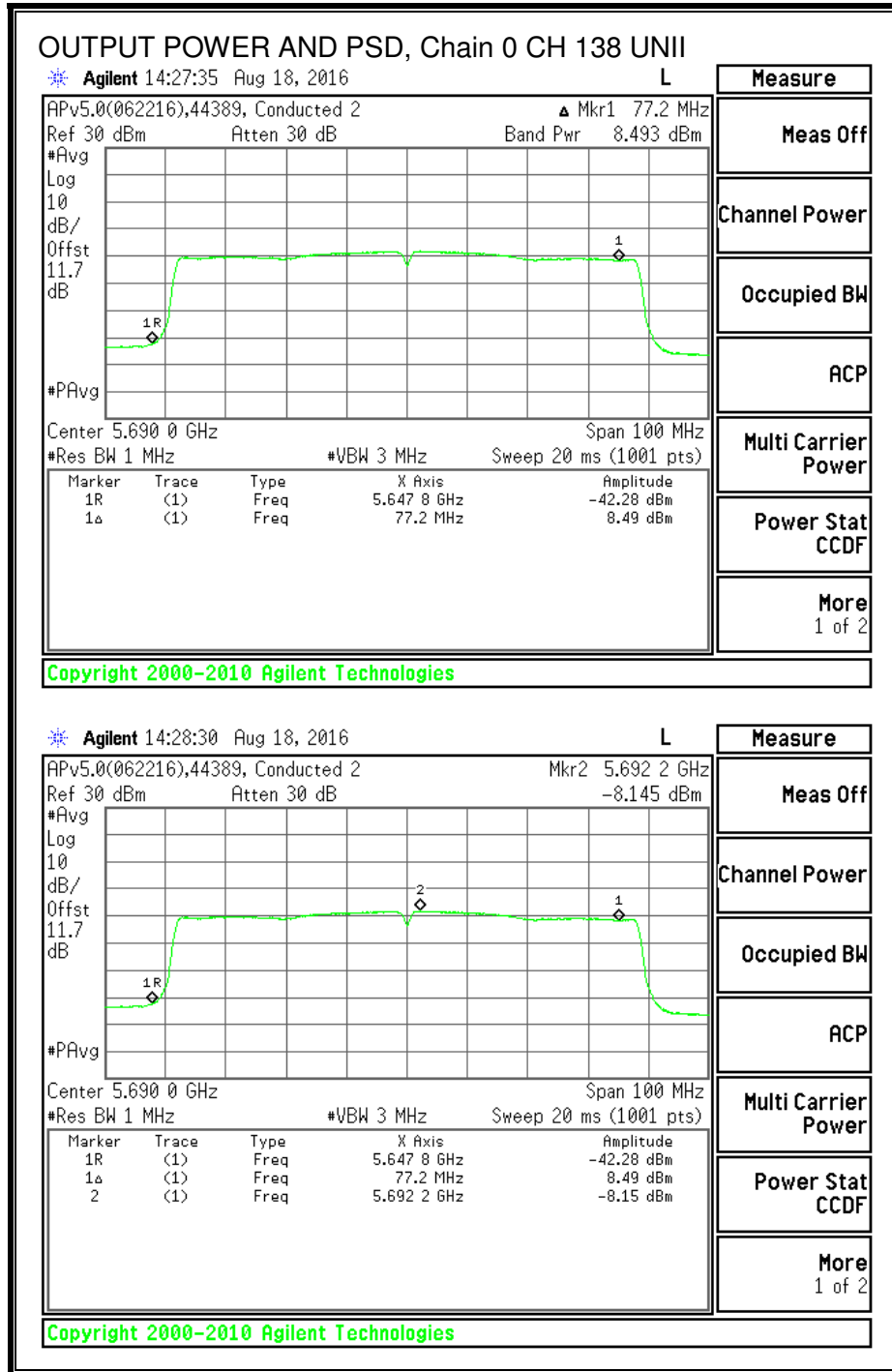
<b>Duty Cycle CF (dB)</b>	0.26	<b>Included in Calculations of Corr'd Power &amp; PSD</b>
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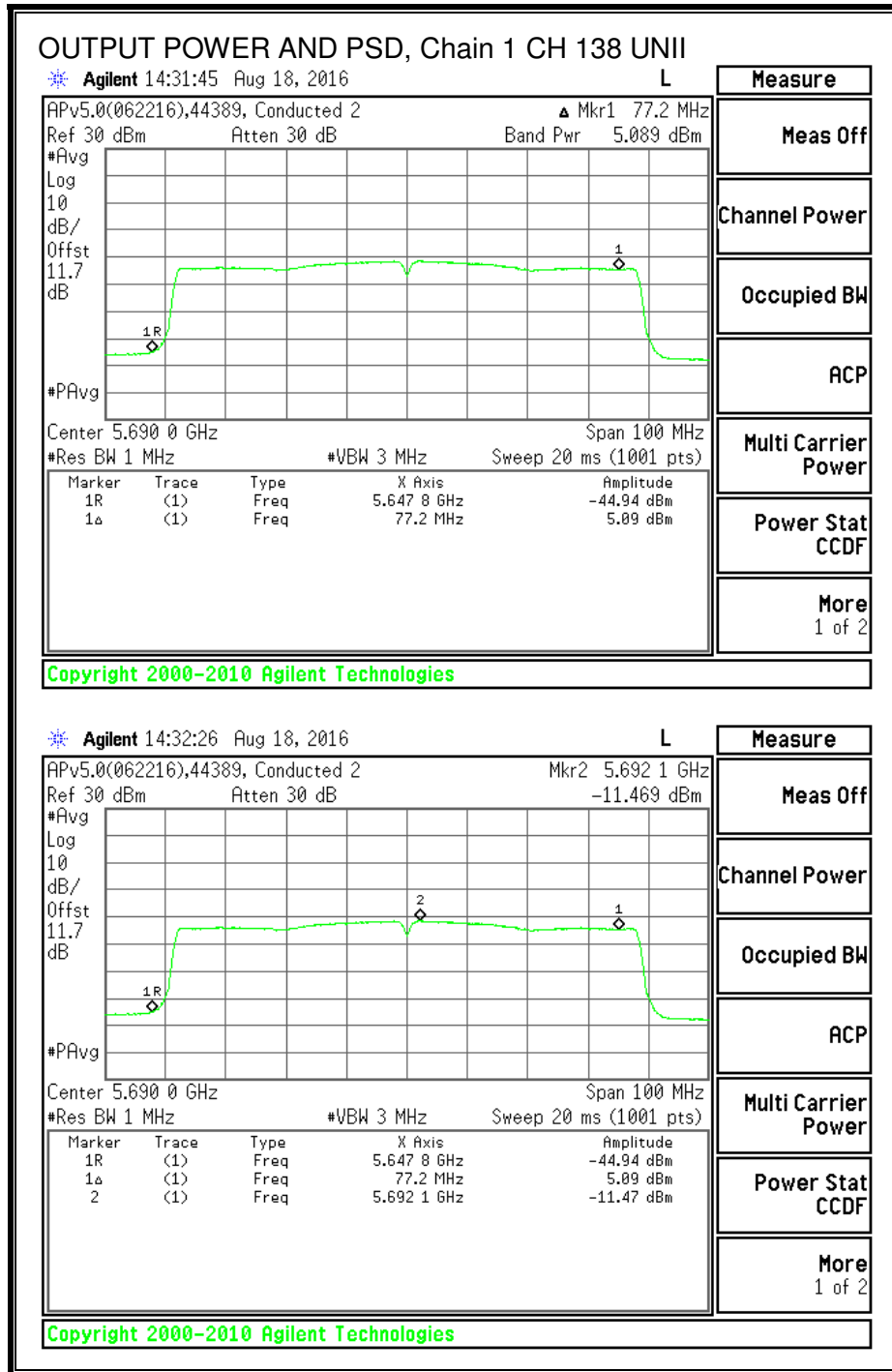
**Output Power Results**

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

**PSD Results**

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





**UNII-3 BAND**

**Antenna Gain and Limit**

Channel	Frequency (MHz)	Directional Gain for Power (dBi)	Directional Gain for PSD (dBi)	Power Limit (dBm)	PSD Limit (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>
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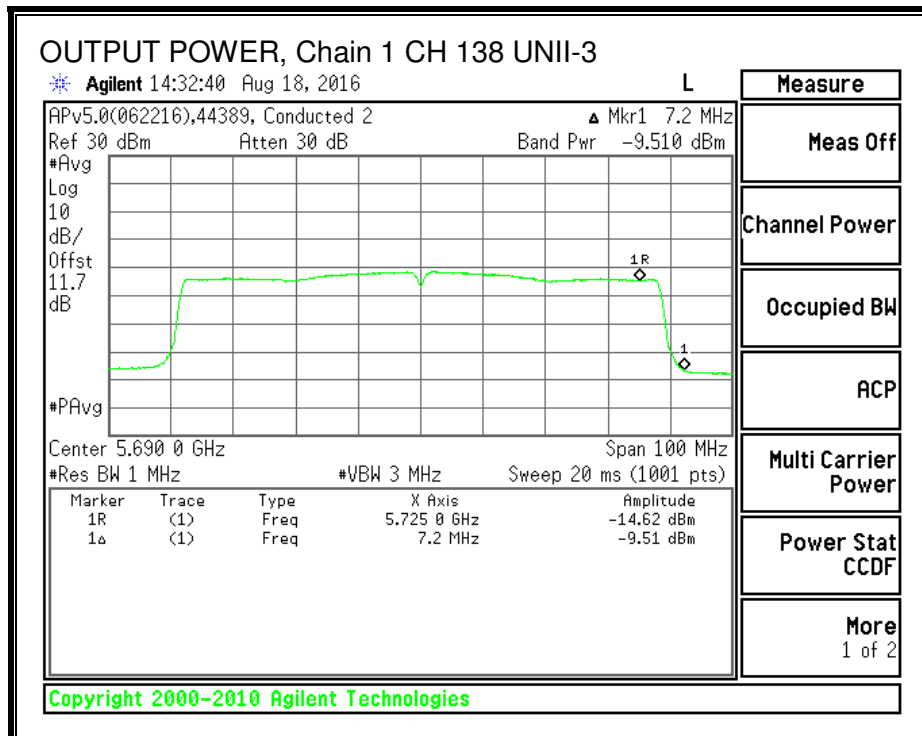
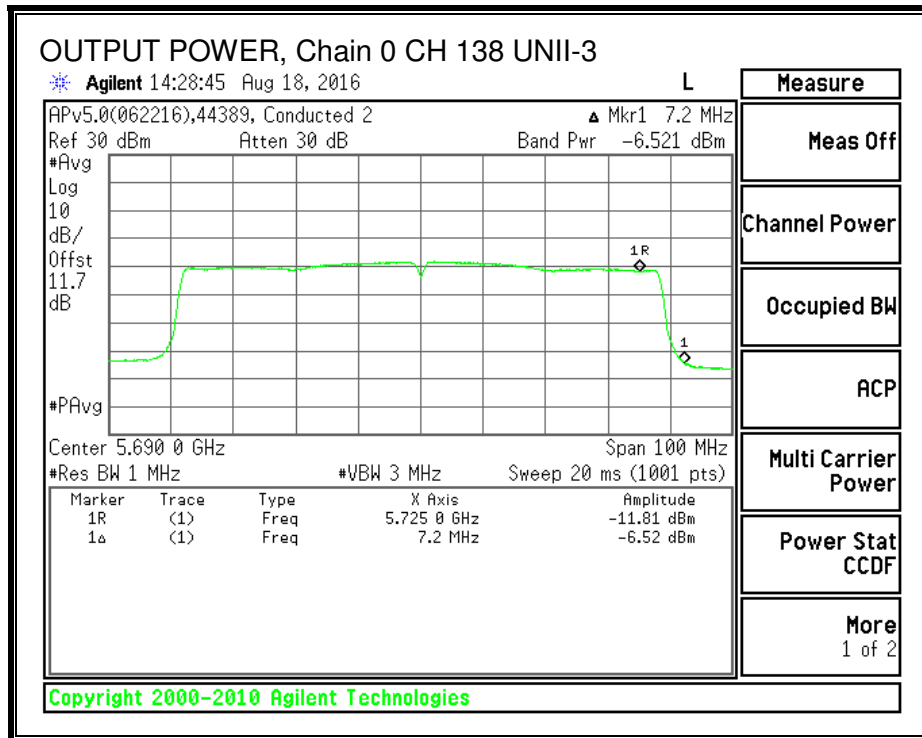
**Output Power Results**

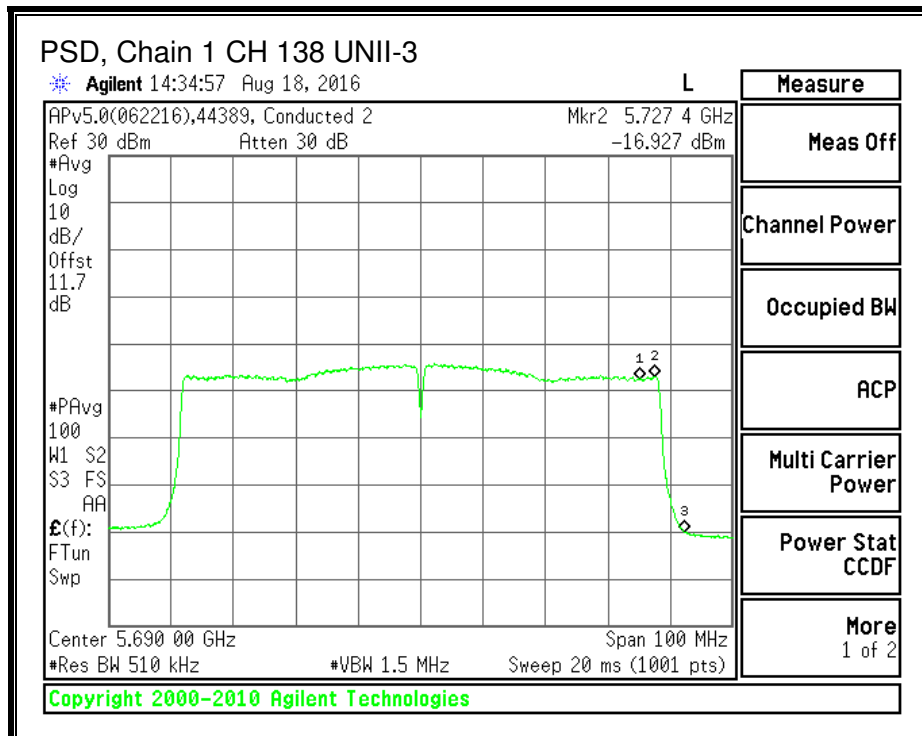
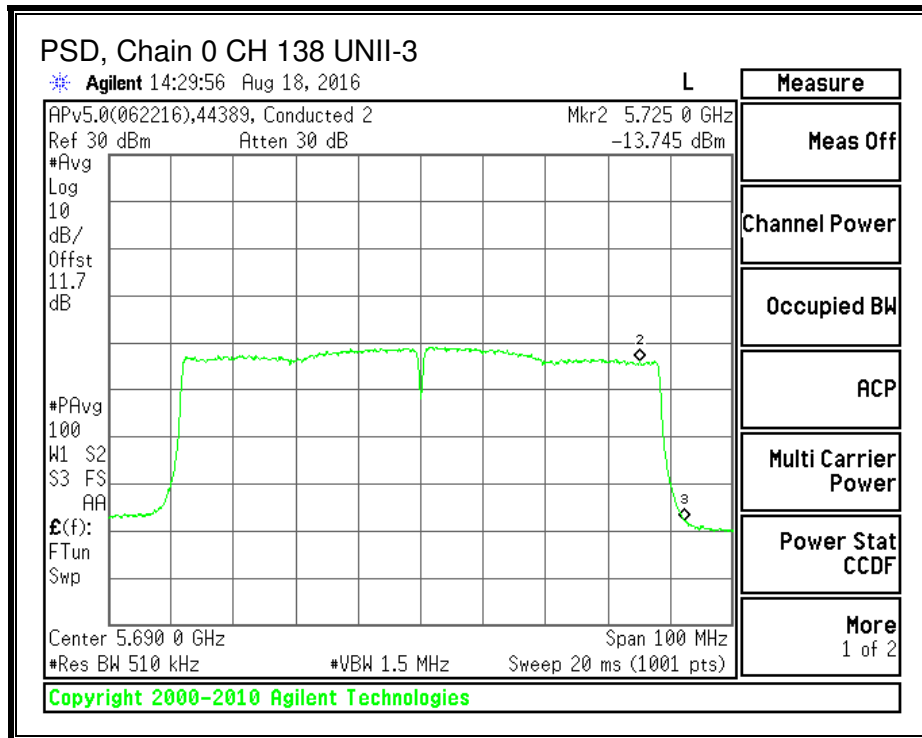
Channel	Frequency (MHz)	Chain 0 Meas Power (dBm)	Chain 1 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
138	5690	-6.52	-9.51	-4.49	30.00	-34.49

**PSD Results**

Channel	Frequency (MHz)	Chain 0 Meas PSD (dBm)	Chain 1 Meas PSD (dBm)	Total Corr'd PSD (dBm)	PSD Limit (dBm)	PSD Margin (dB)
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

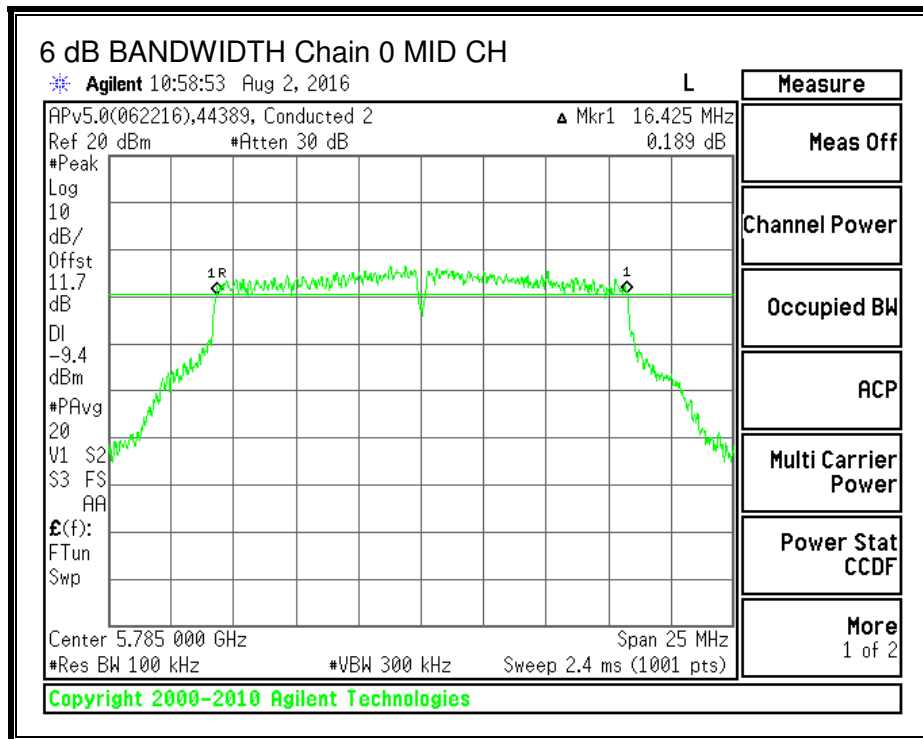
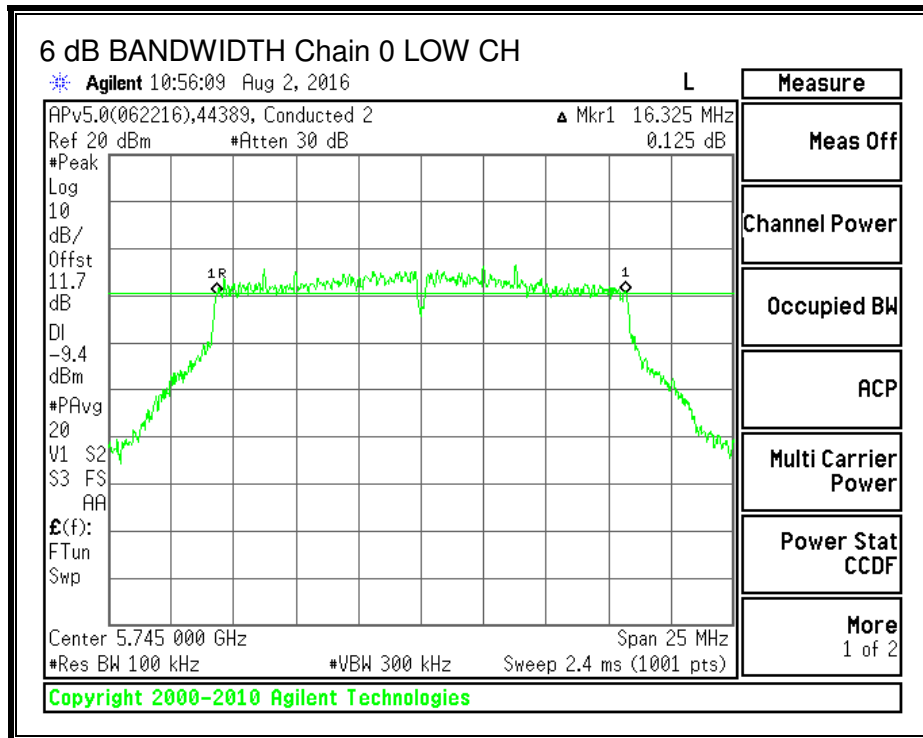
FCC §15.407 (e)

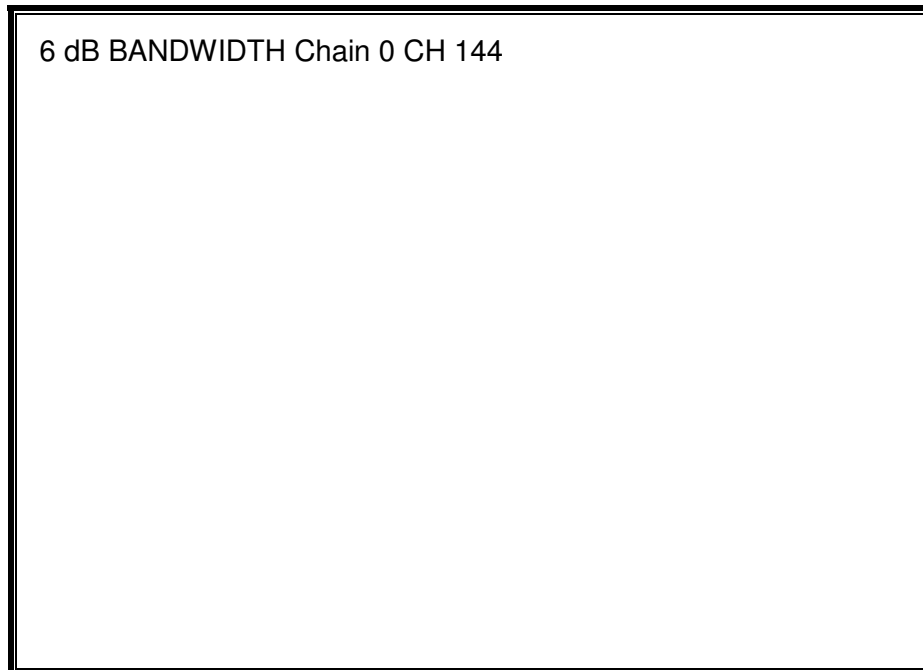
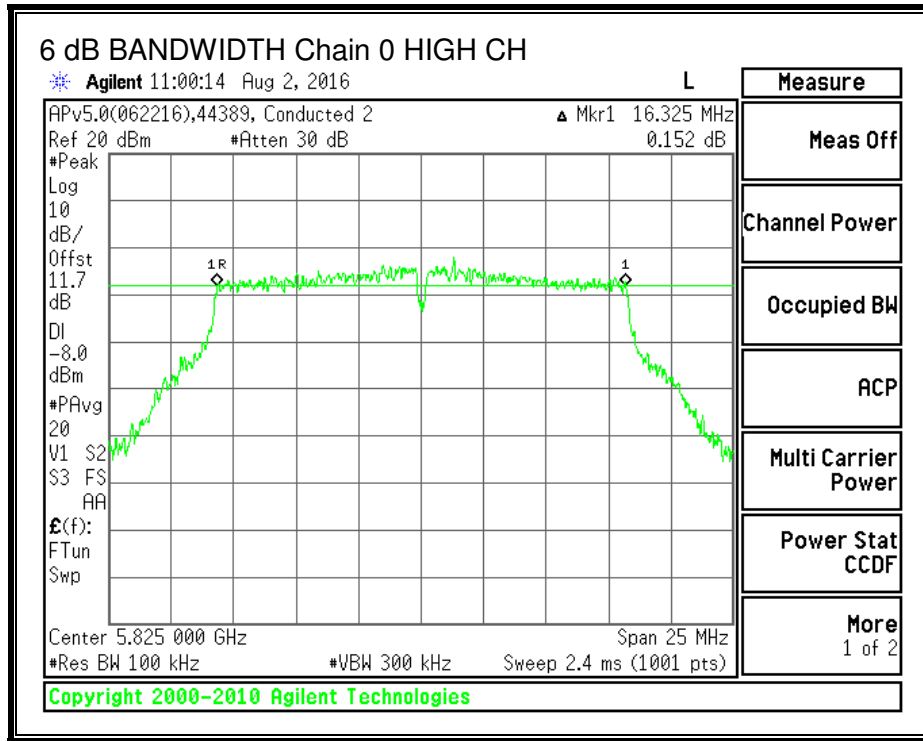
The minimum 6 dB bandwidth shall be at least 500 kHz.

#### RESULTS

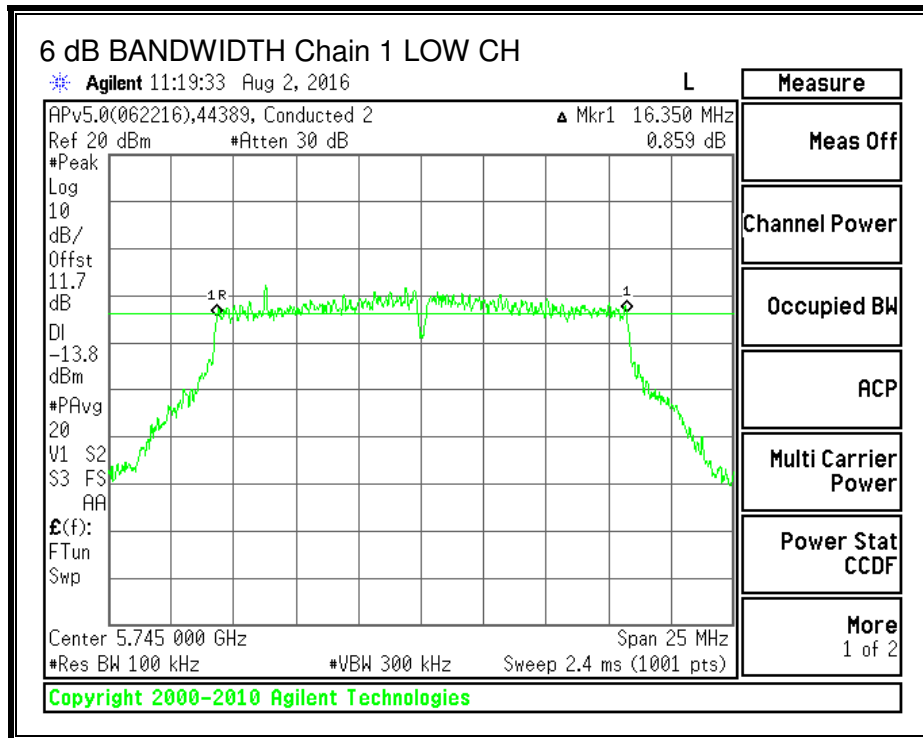
Channel	Frequency (MHz)	6 dB BW Chain 0 (MHz)	6 dB BW Chain 1 (MHz)	Minimum Limit (MHz)
Low	5745	16.3250	16.3500	0.5
Mid	5785	16.4250	16.4000	0.5
High	5825	16.3250	16.4000	0.5

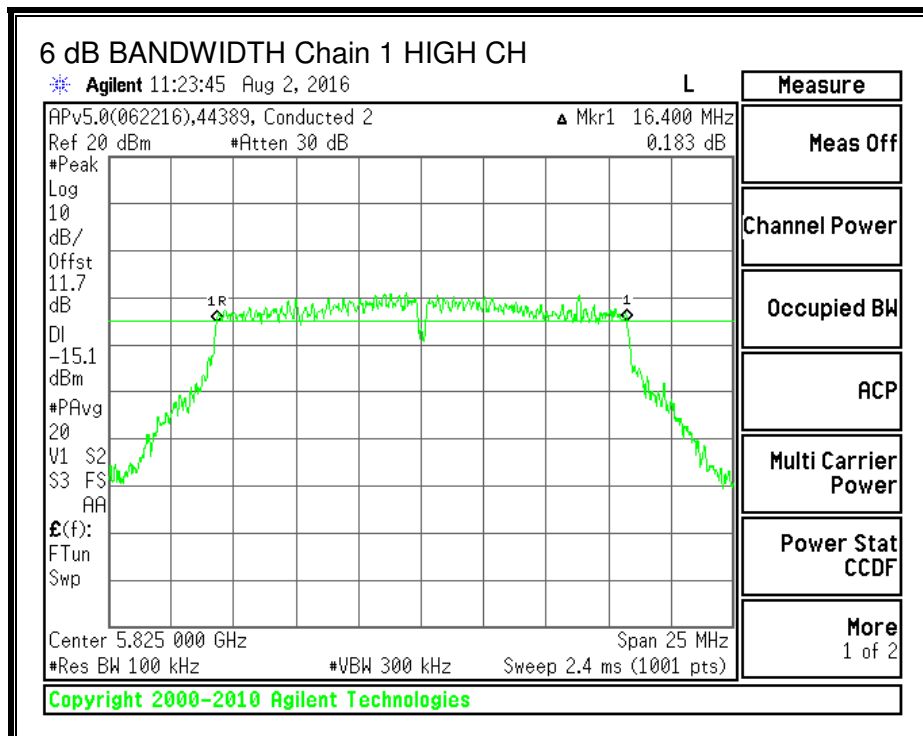
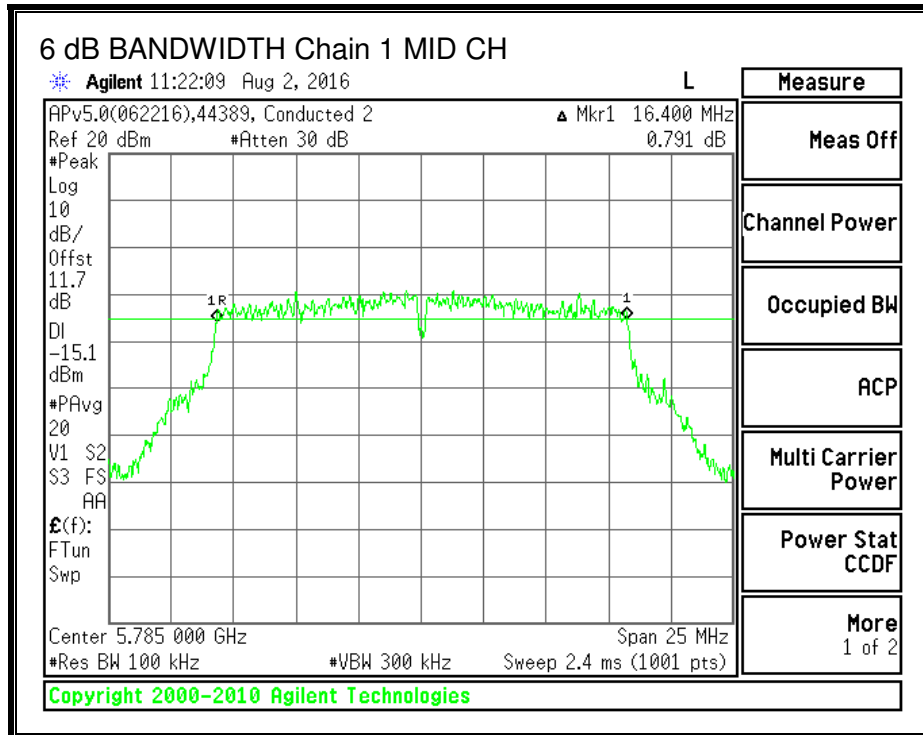
**6 dB BANDWIDTH, Chain 0**





**6 dB BANDWIDTH, Chain 1**





### 8.14.2. 99% BANDWIDTH

#### LIMITS

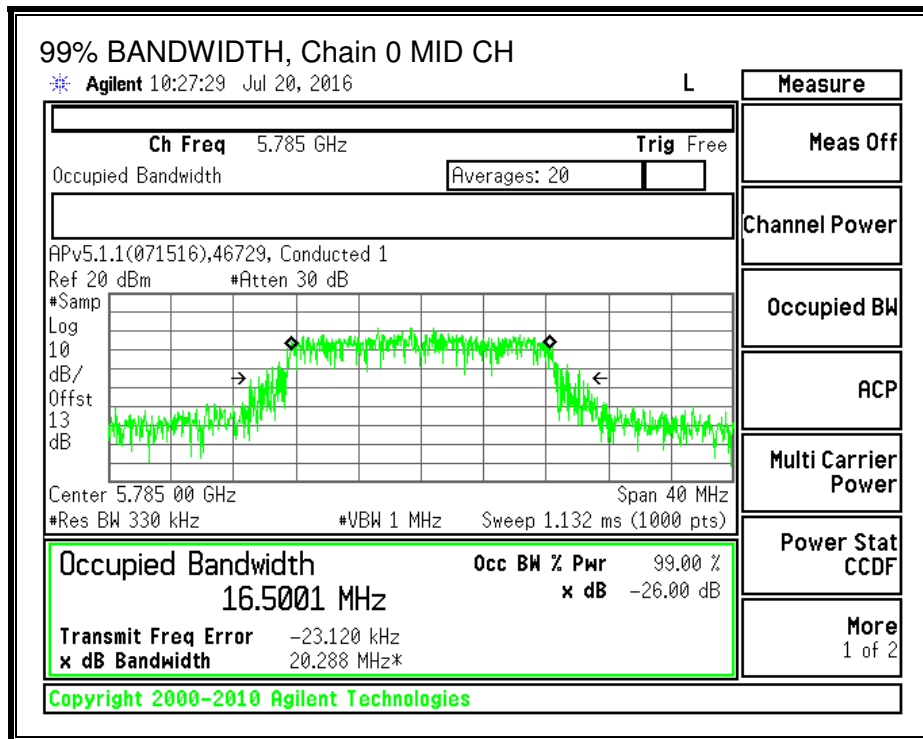
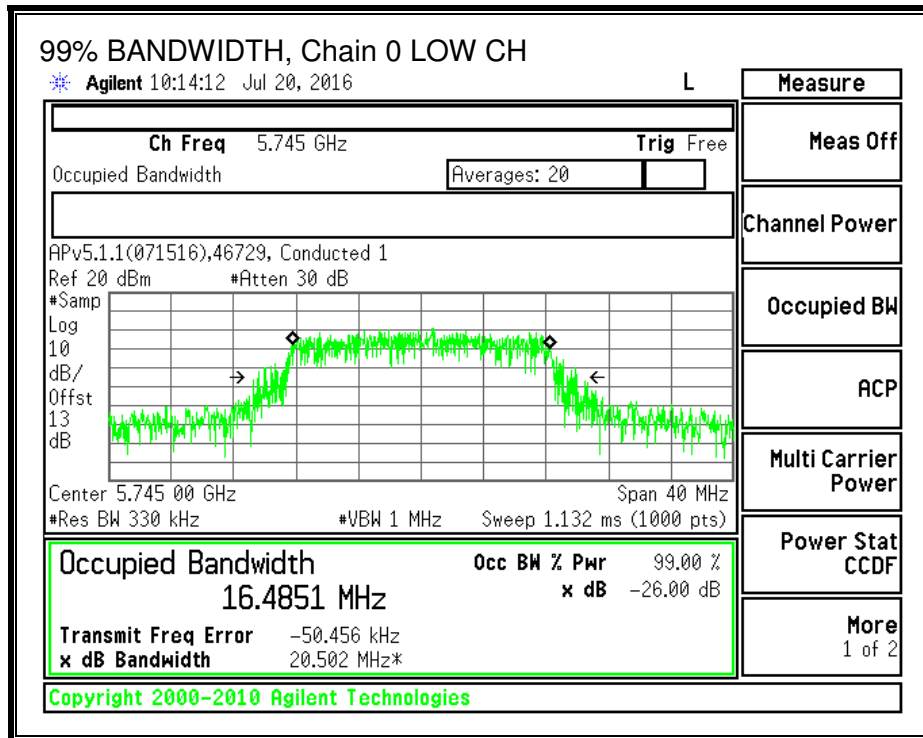
None; for reporting purposes only.

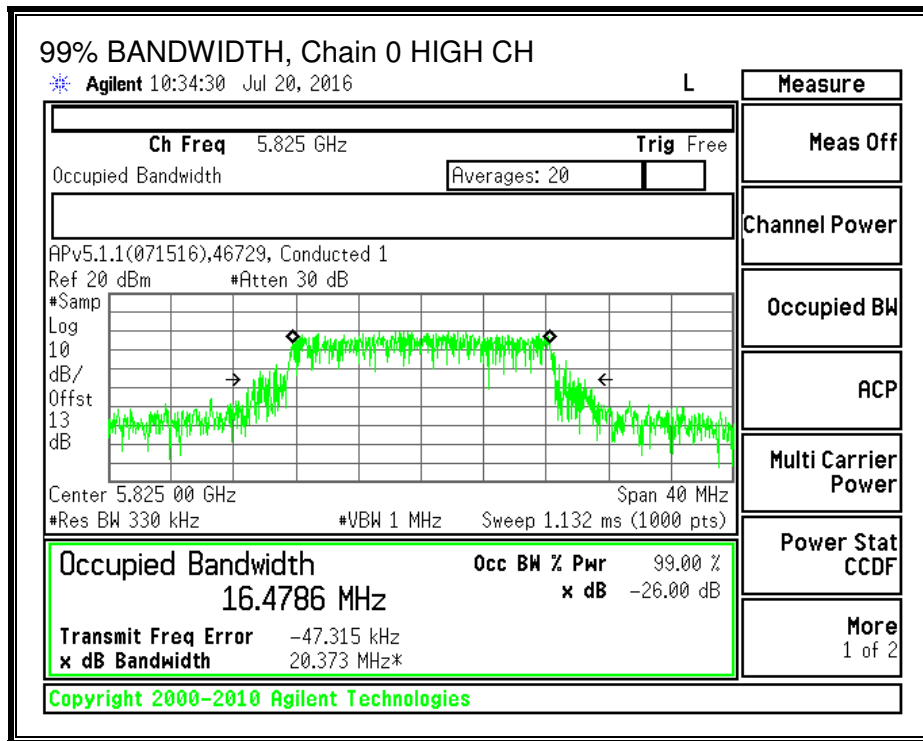
#### RESULTS

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

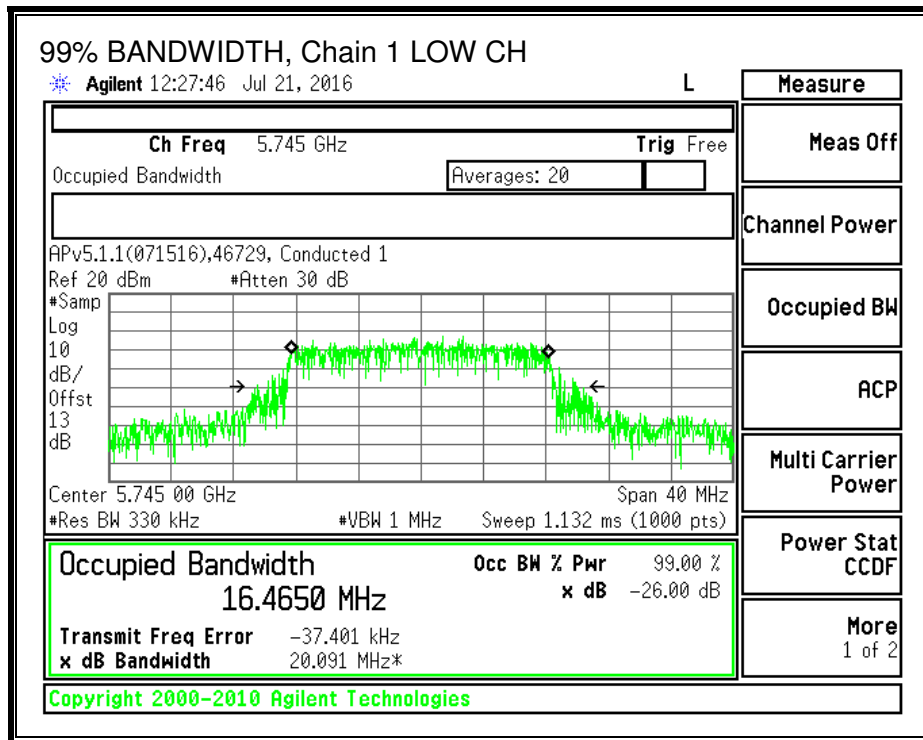


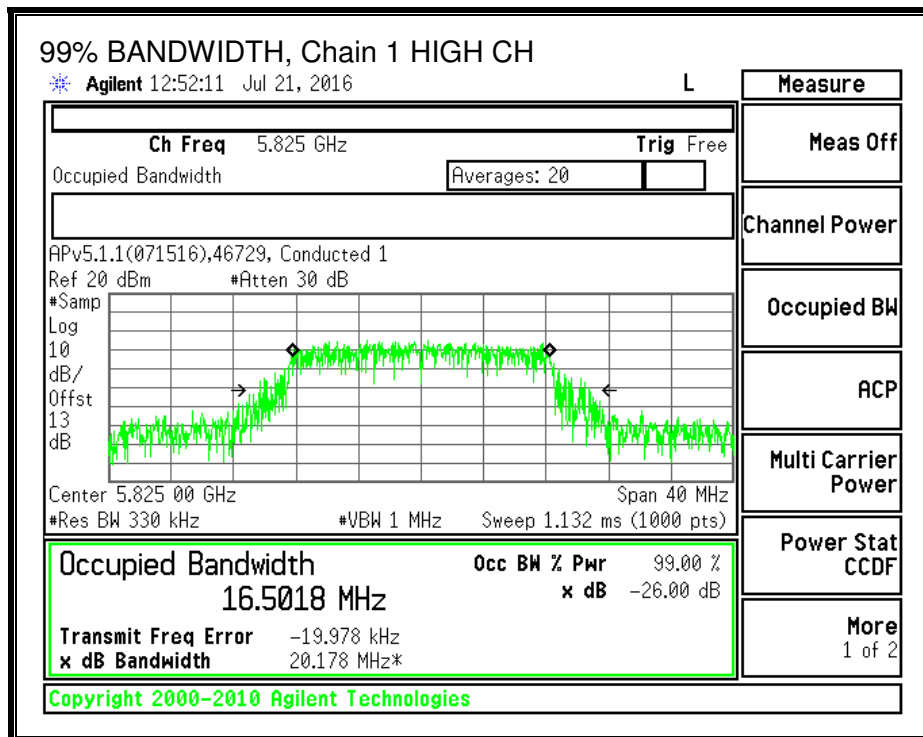
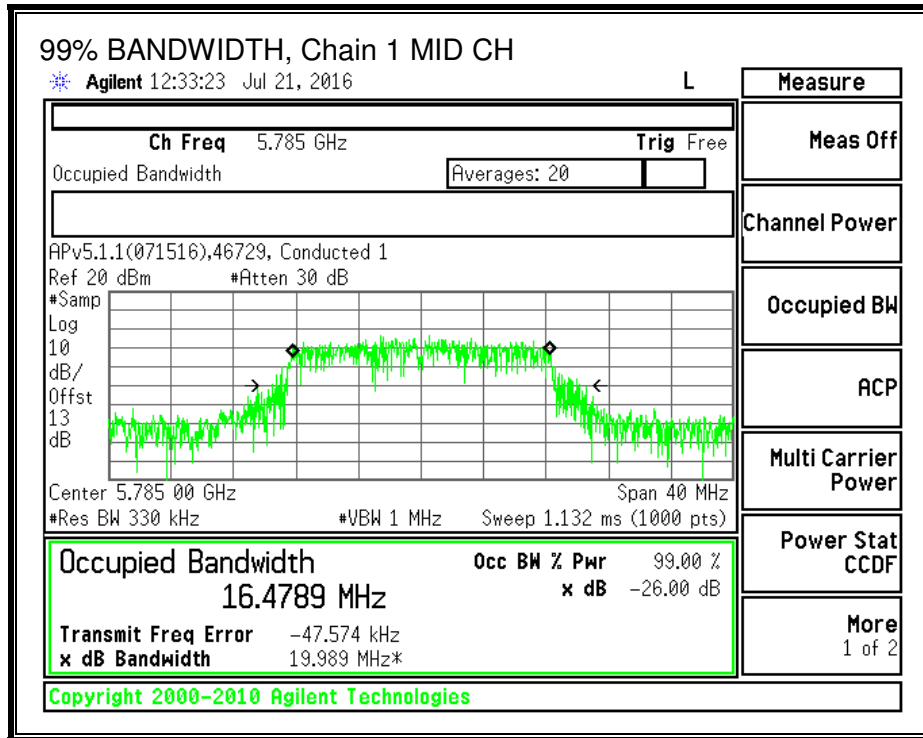
**99% BANDWIDTH, Chain 0**





**99% BANDWIDTH, Chain 1**





### 8.14.3. AVERAGE POWER

#### LIMITS

None; for reporting purposes only.

#### RESULTS

Channel	Frequency (MHz)	Chain 0 Power (dBm)	Chain 1 Power (dBm)	Total Power (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 Antenna Gain (dBi)	Chain 1 Antenna Gain (dBi)	Uncorrelated Chains Directional Gain (dBi)
-2.80	-2.30	-2.54

#### RESULTS

##### Antenna Gain and Limit

Channel	Frequency (MHz)	Directional Gain for Power (dBi)	Power Limit (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
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##### Output Power Results

Channel	Frequency (MHz)	Chain 0 Meas Power (dBm)	Chain 1 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5745	10.70	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 Antenna Gain (dBi)	Chain 1 Antenna Gain (dBi)	Correlated Chains Directional Gain (dBi)
-2.80	-2.30	0.46

#### RESULTS

##### Antenna Gain and Limits

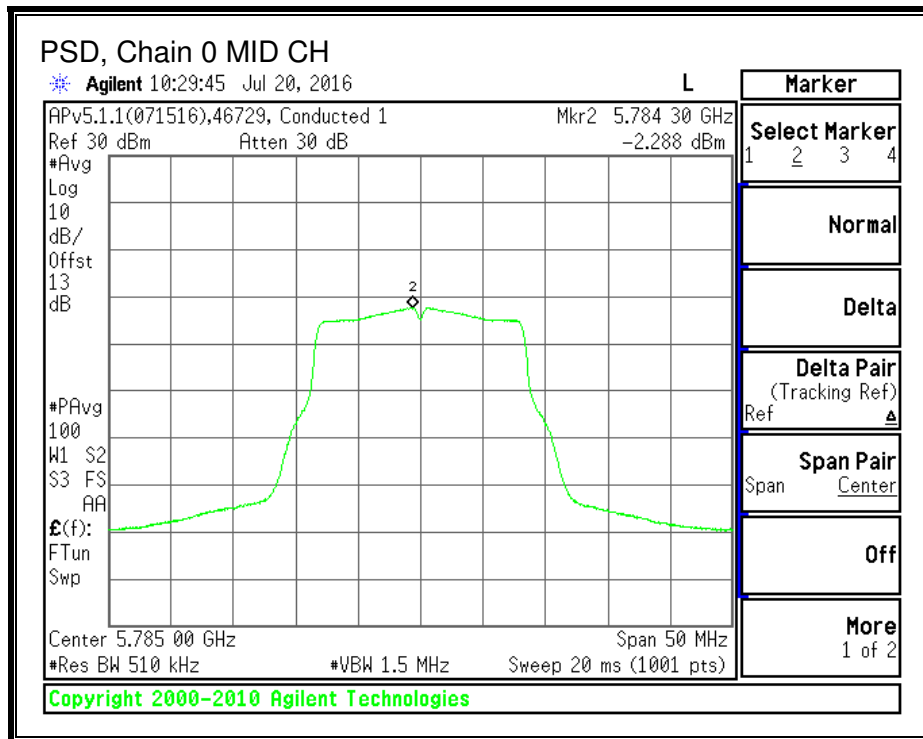
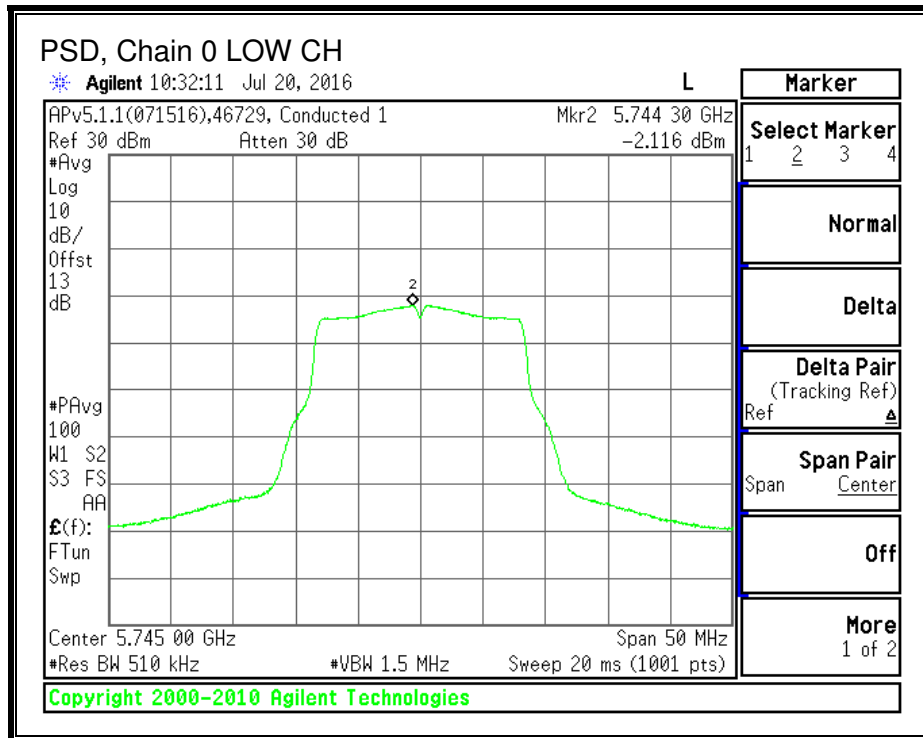
Channel	Frequency (MHz)	Directional Gain (dBi)	PSD Limit (dBm)
Low	5745	0.46	30.00
Mid	5785	0.46	30.00
High	5825	0.46	30.00

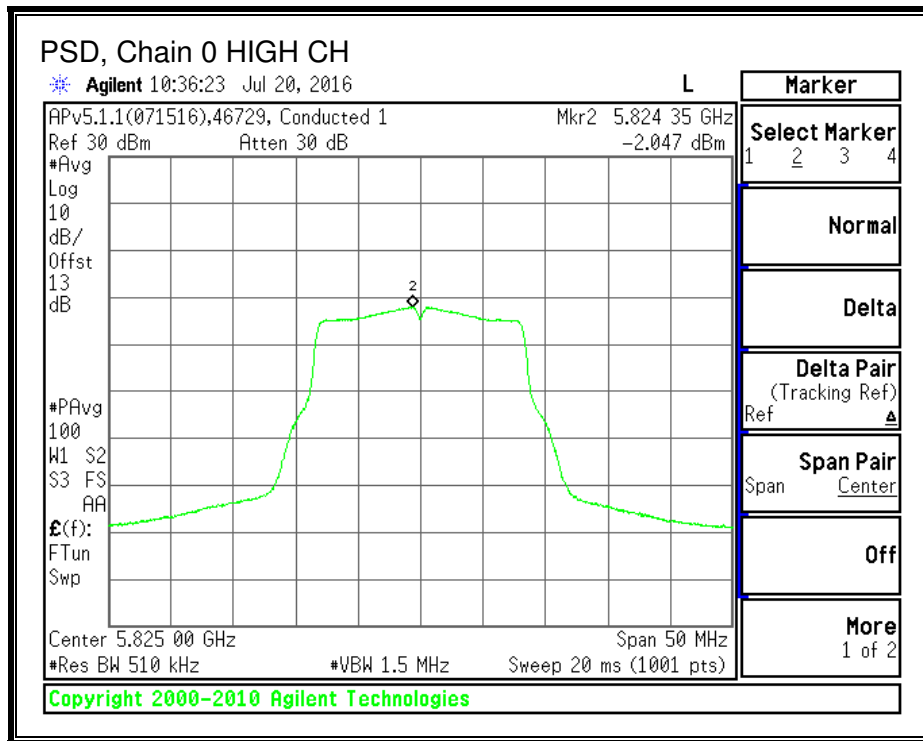
<b>Duty Cycle CF (dB)</b>	0.00	<b>Included in Calculations of Corr'd PSD</b>
---------------------------	------	-----------------------------------------------

##### PSD Results

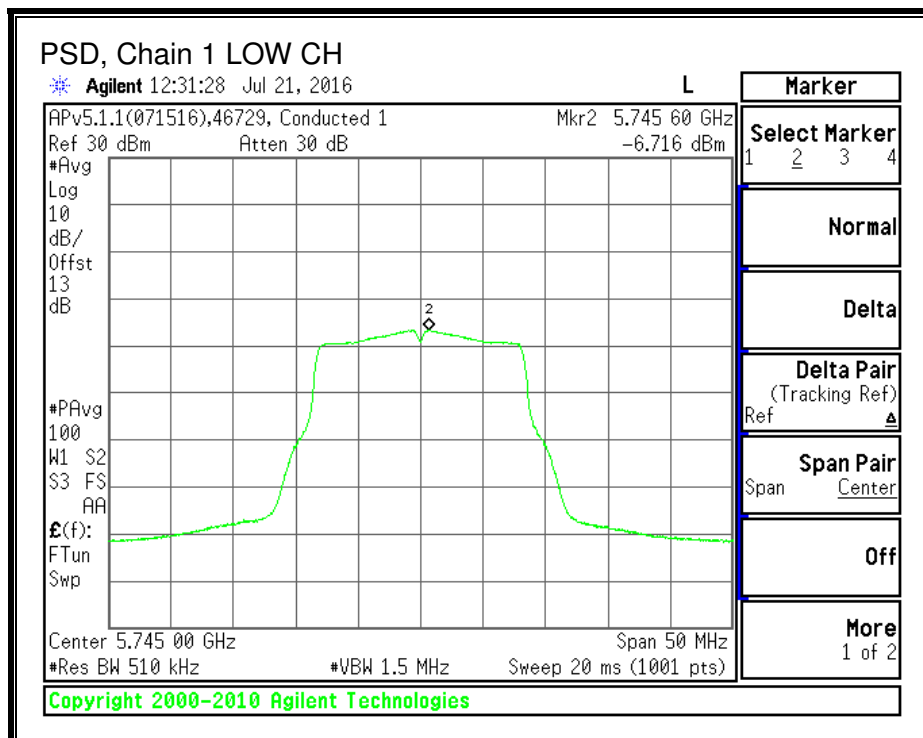
Channel	Frequency (MHz)	Chain 0 Meas PSD (dBm)	Chain 1 Meas PSD (dBm)	Total Corr'd PSD (dBm)	PSD Limit (dBm)	PSD Margin (dB)
Low	5745	-2.12	-6.72	-0.82	30.00	-30.82
Mid	5785	-2.29	-6.88	-0.99	30.00	-30.99
High	5825	-2.05	-6.96	-0.83	30.00	-30.83

**PSD, Chain 0**

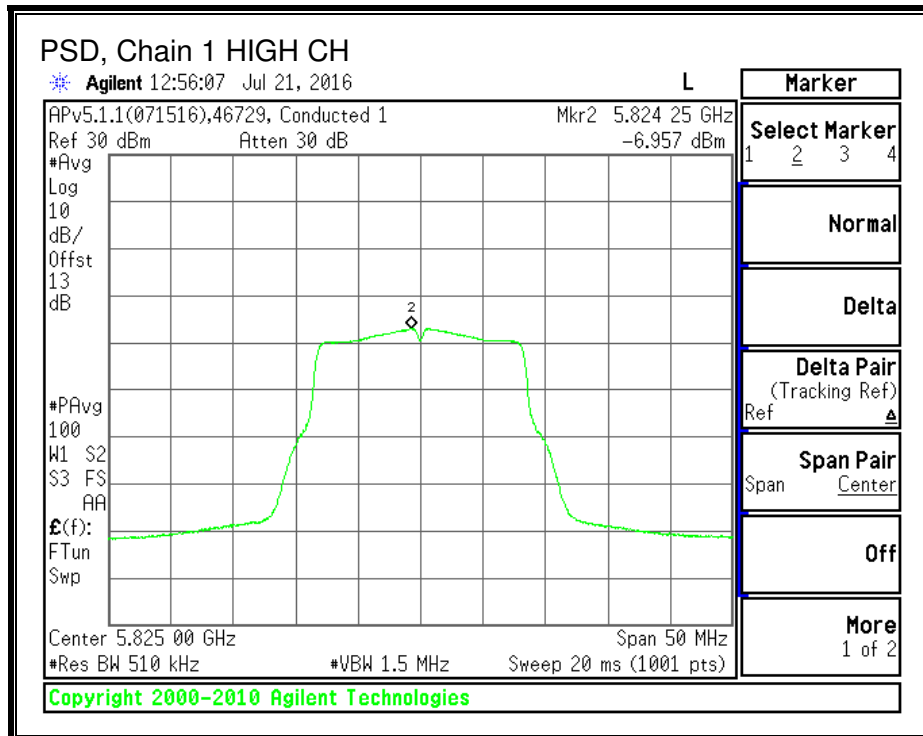
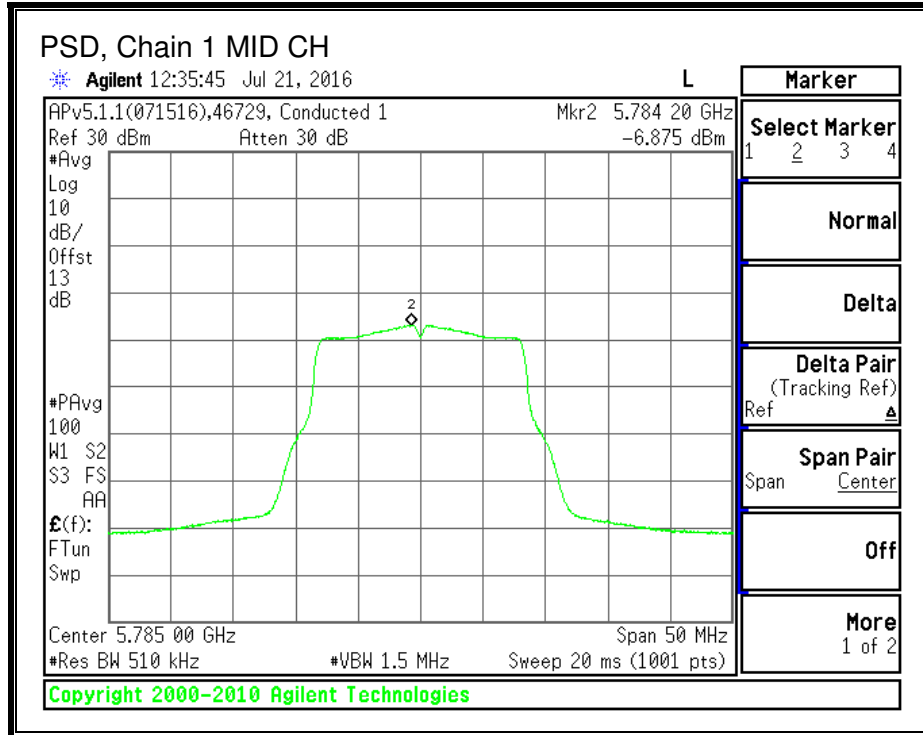




**PSD, Chain 1**







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

### 8.15.1. 6 dB BANDWIDTH

#### LIMITS

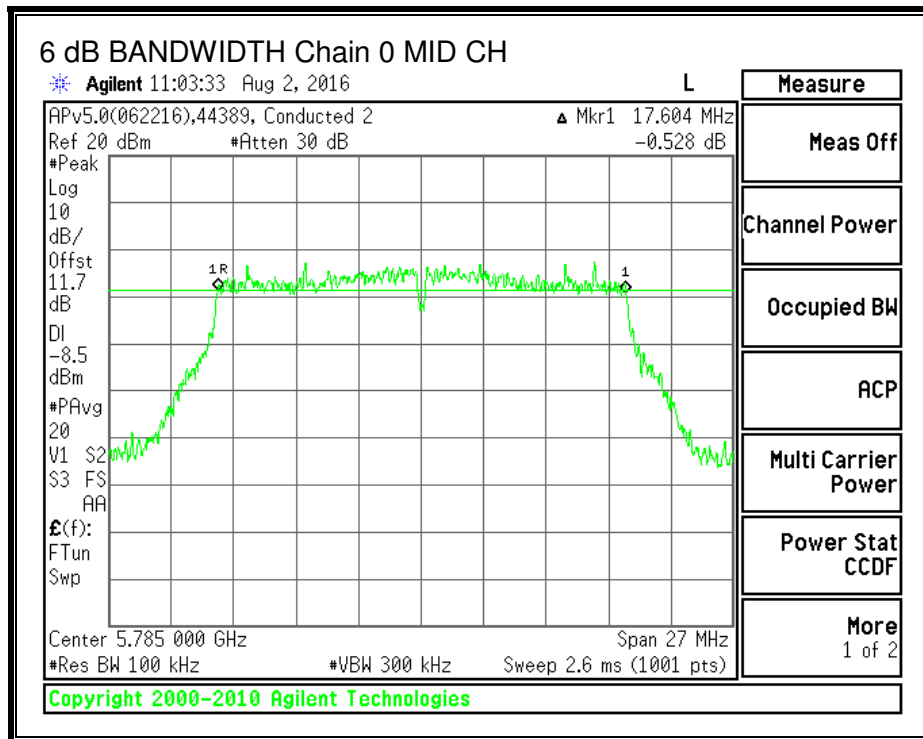
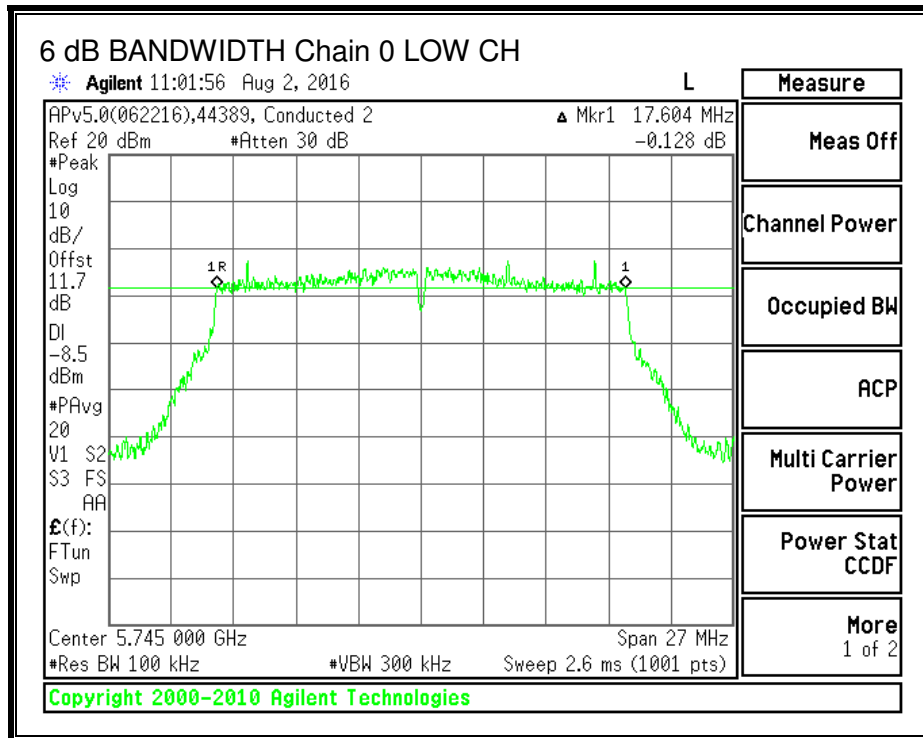
FCC §15.407 (e)

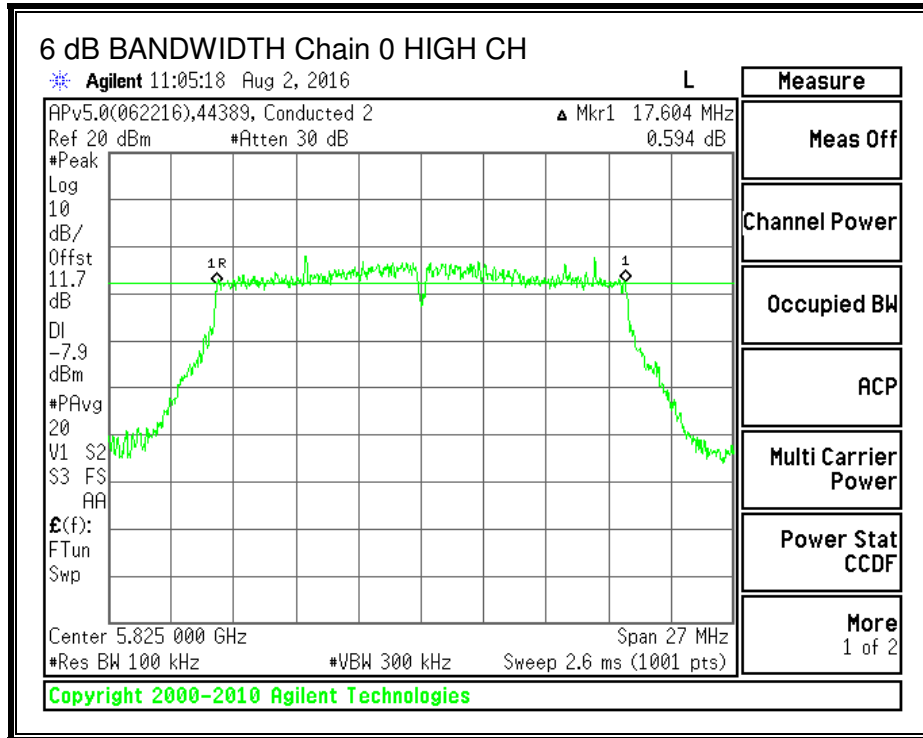
The minimum 6 dB bandwidth shall be at least 500 kHz.

#### RESULTS

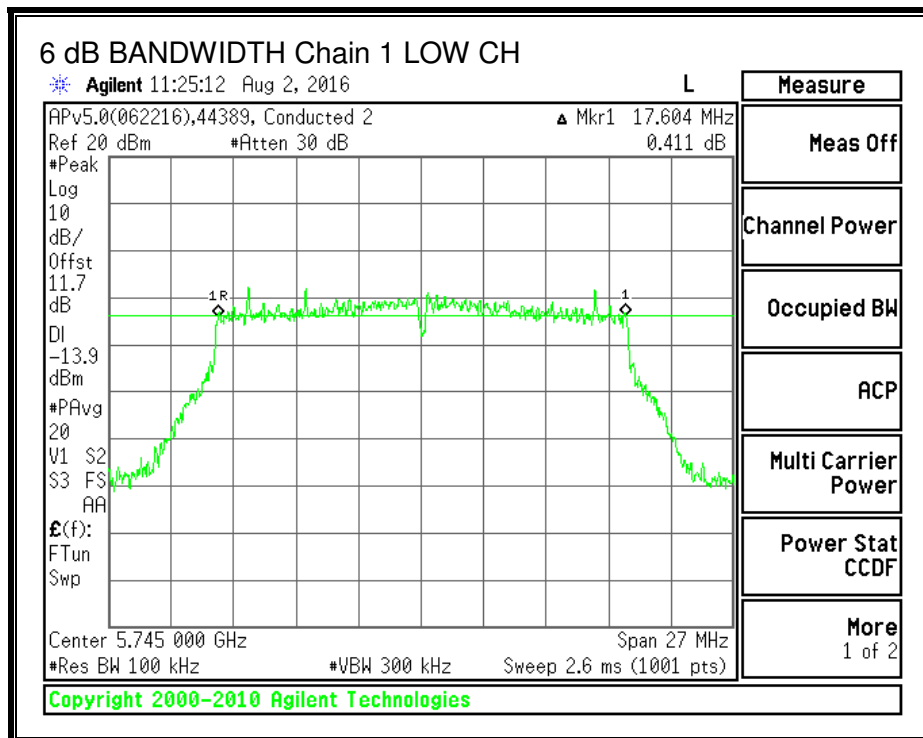
Channel	Frequency (MHz)	6 dB BW Chain 0 (MHz)	6 dB BW Chain 1 (MHz)	Minimum Limit (MHz)
Low	5745	17.6040	17.6040	0.5
Mid	5785	17.6040	17.6040	0.5
High	5825	17.6040	17.6040	0.5

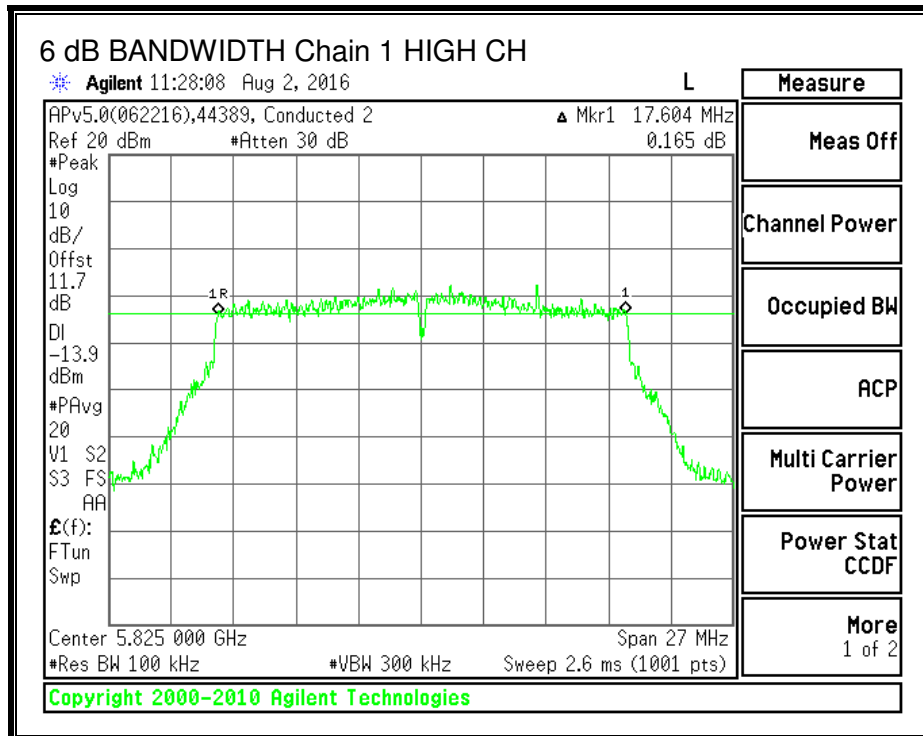
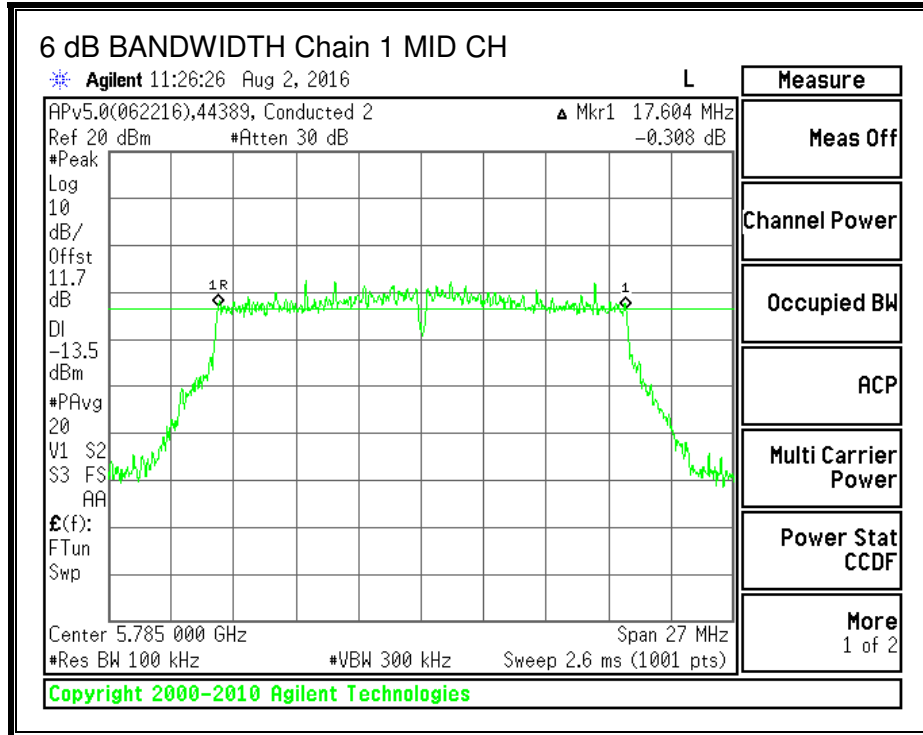
**6 dB BANDWIDTH, Chain 0**





**6 dB BANDWIDTH, Chain 1**





**8.15.2. 99% BANDWIDTH**

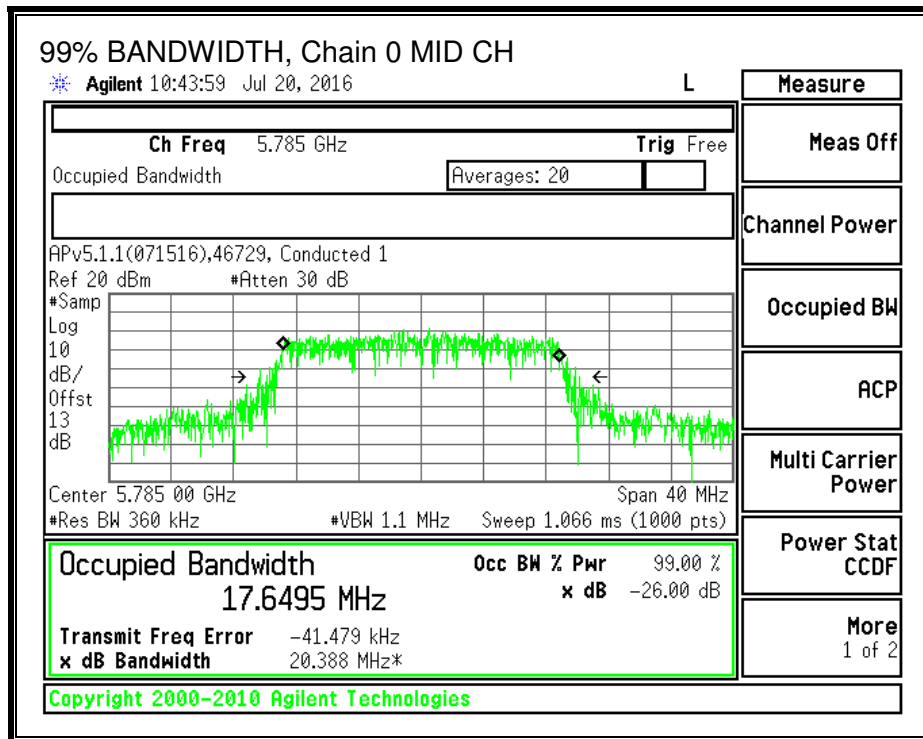
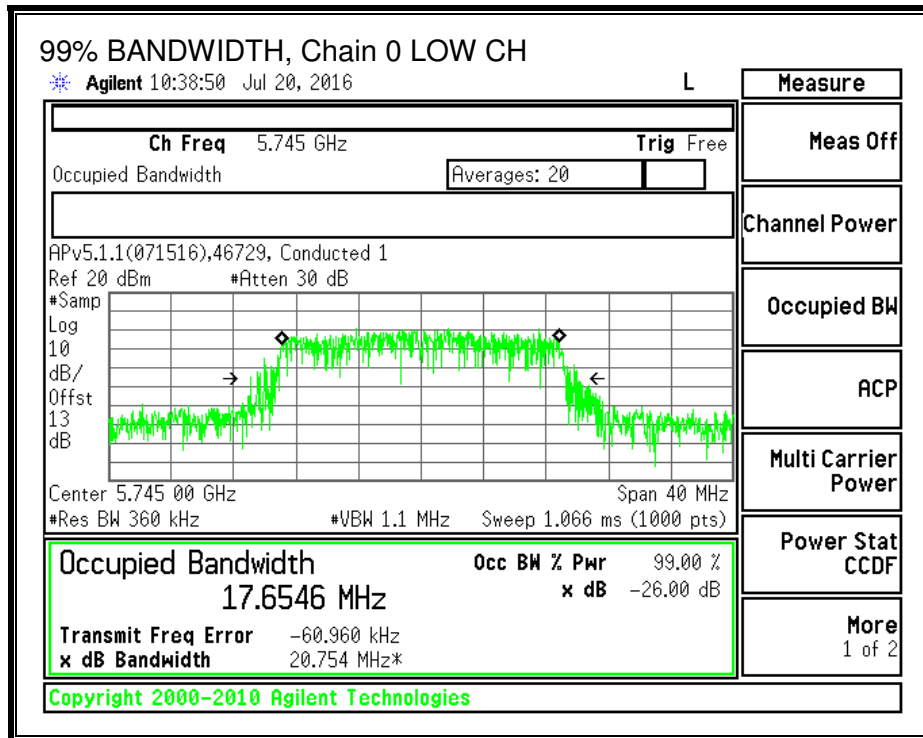
**LIMITS**

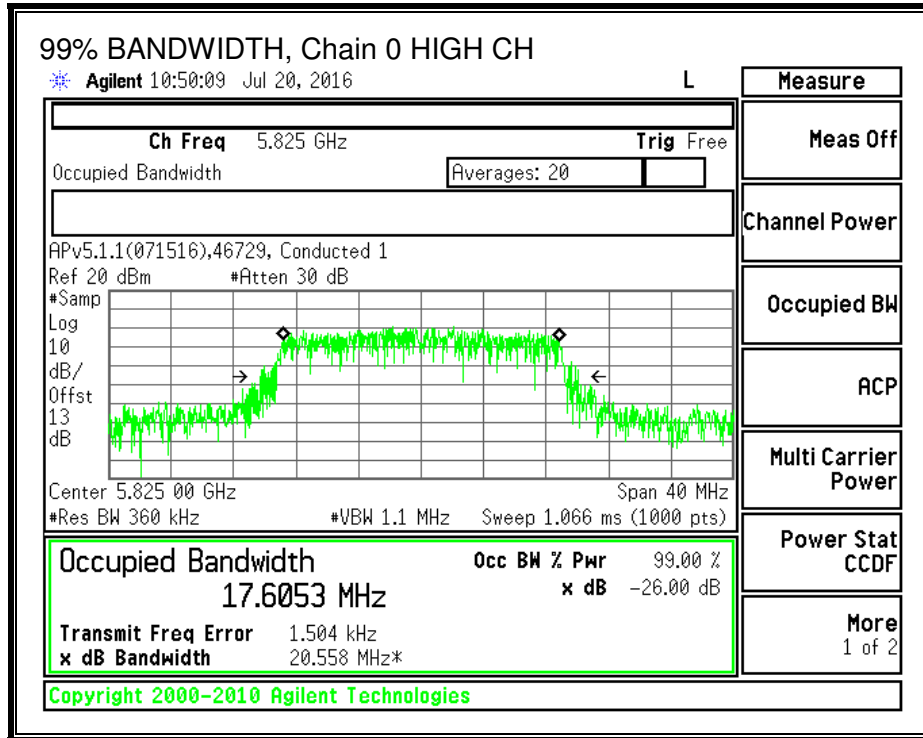
None; for reporting purposes only.

**RESULTS**

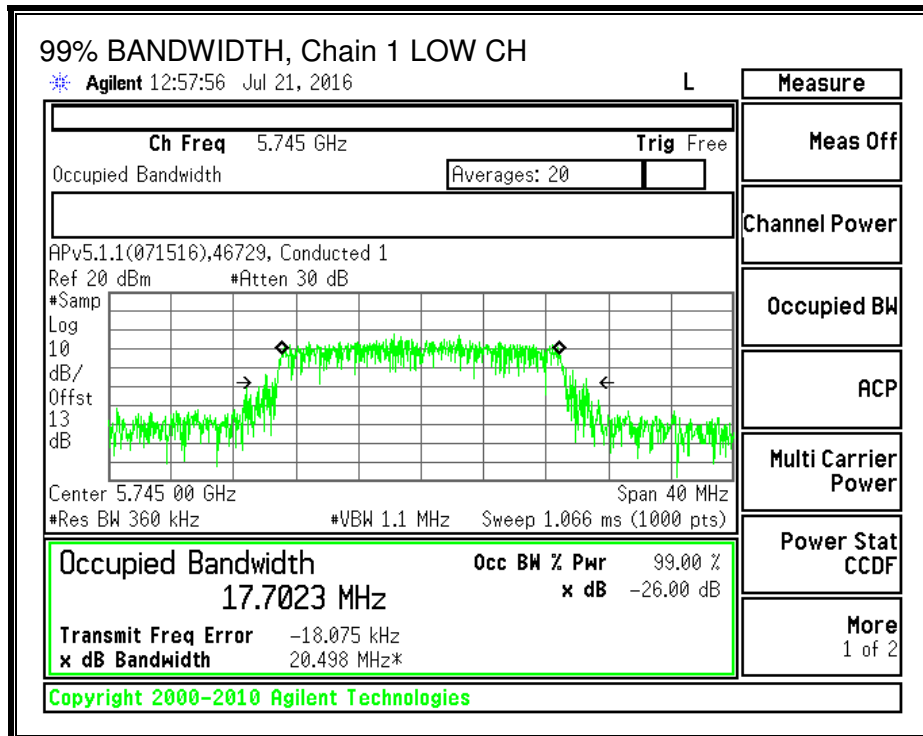
Channel	Frequency (MHz)	99% BW Chain 0 (MHz)	99% BW Chain 1 (MHz)
Low	5745	17.6546	17.7023
Mid	5785	17.6495	17.6743
High	5825	17.6053	17.6856

**99% BANDWIDTH, Chain 0**

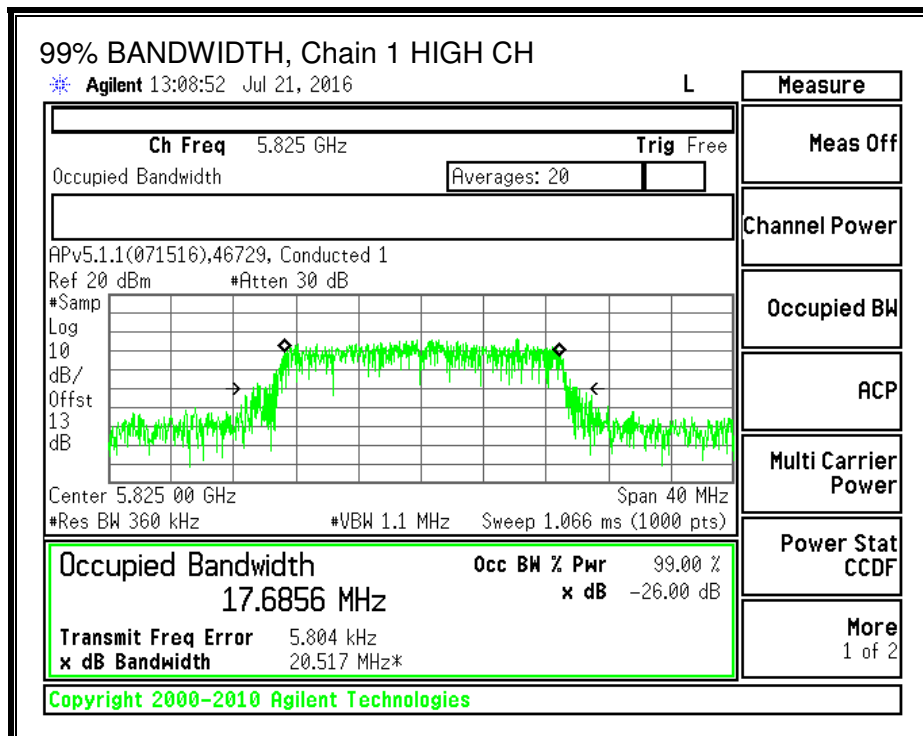
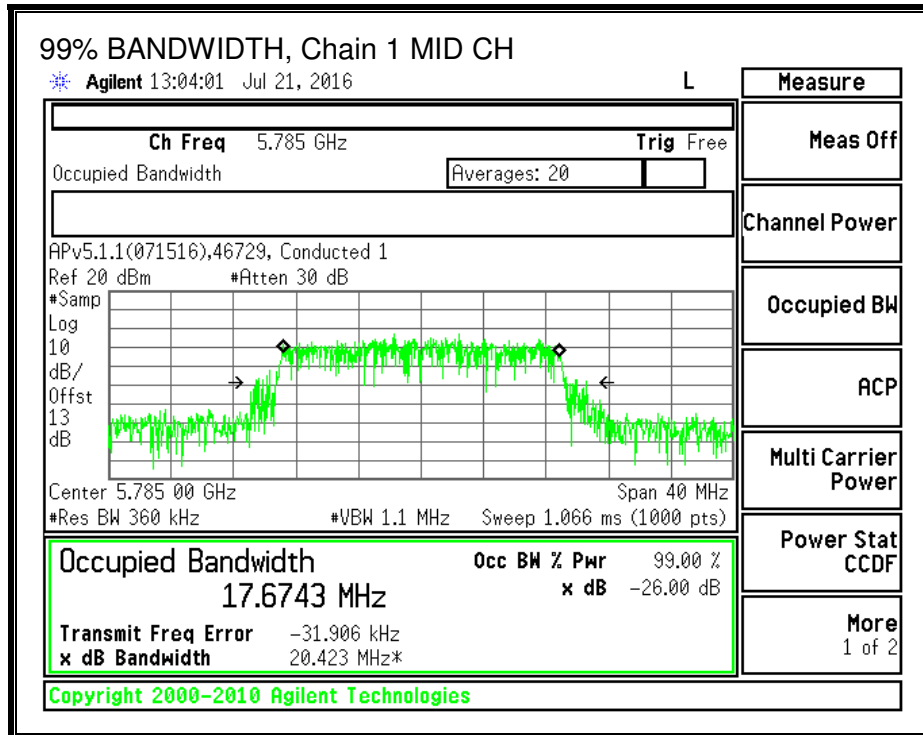




**99% BANDWIDTH, Chain 1**







### 8.15.3. AVERAGE POWER

#### LIMITS

None; for reporting purposes only.

#### RESULTS

Channel	Frequency (MHz)	Chain 0 Power (dBm)	Chain 1 Power (dBm)	Total Power (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 Antenna Gain (dBi)	Chain 1 Antenna Gain (dBi)	Uncorrelated Chains Directional Gain (dBi)
-2.80	-2.30	-2.54

#### RESULTS

##### Antenna Gain and Limit

Channel	Frequency (MHz)	Directional Gain for Power (dBi)	Power Limit (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
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##### Output Power Results

Channel	Frequency (MHz)	Chain 0 Meas Power (dBm)	Chain 1 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5745	10.67	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 Antenna Gain (dBi)	Chain 1 Antenna Gain (dBi)	Correlated Chains Directional Gain (dBi)
-2.80	-2.30	0.46

#### RESULTS

##### Antenna Gain and Limits

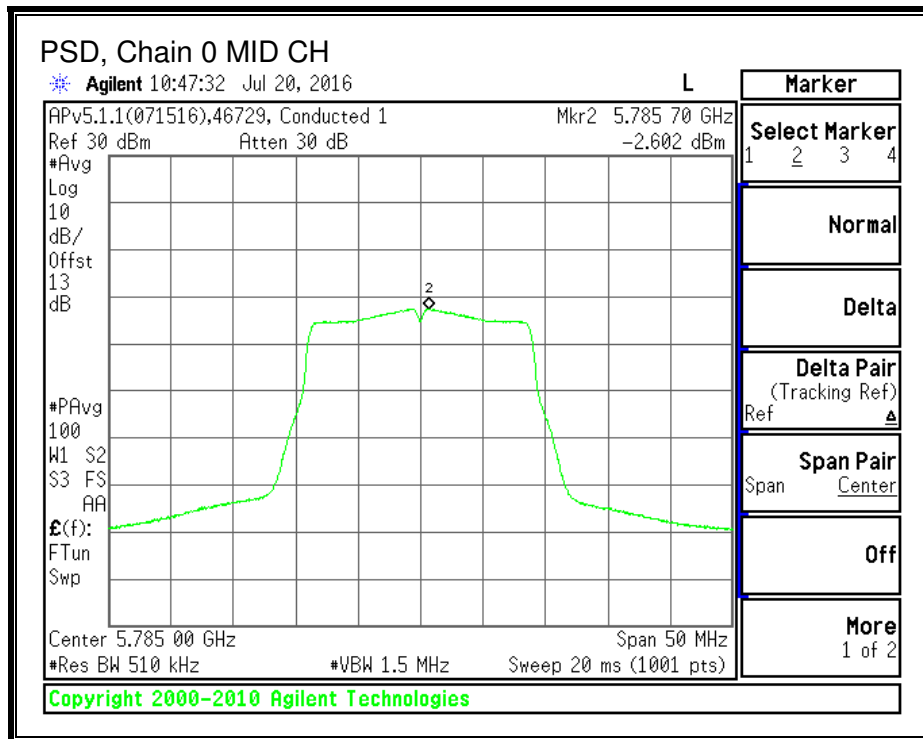
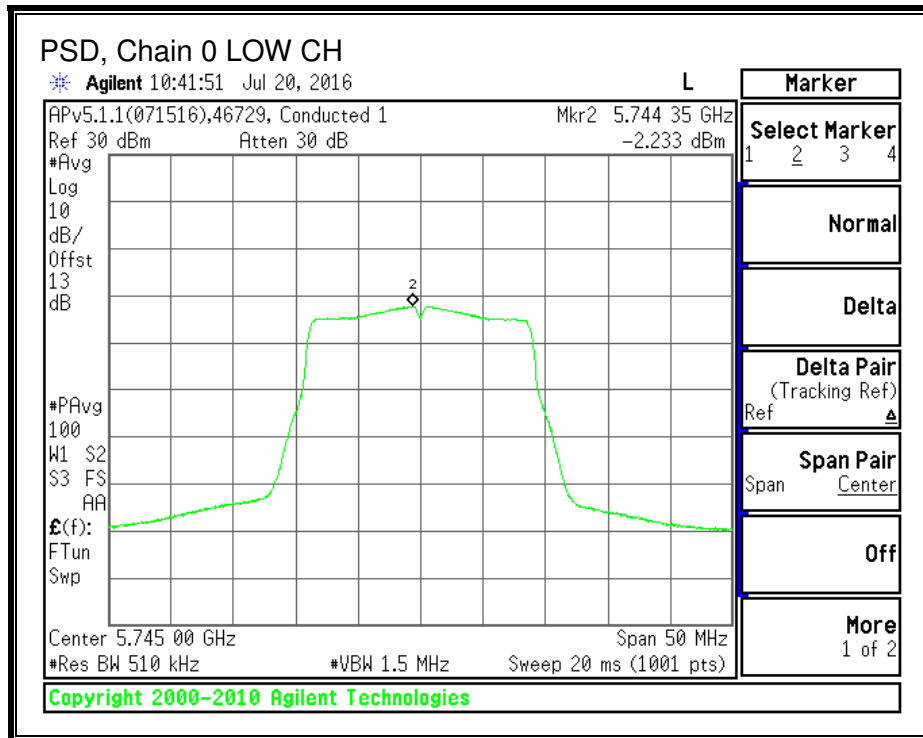
Channel	Frequency (MHz)	Directional Gain (dBi)	PSD Limit (dBm)
Low	5745	0.46	30.00
Mid	5785	0.46	30.00
High	5825	0.46	30.00

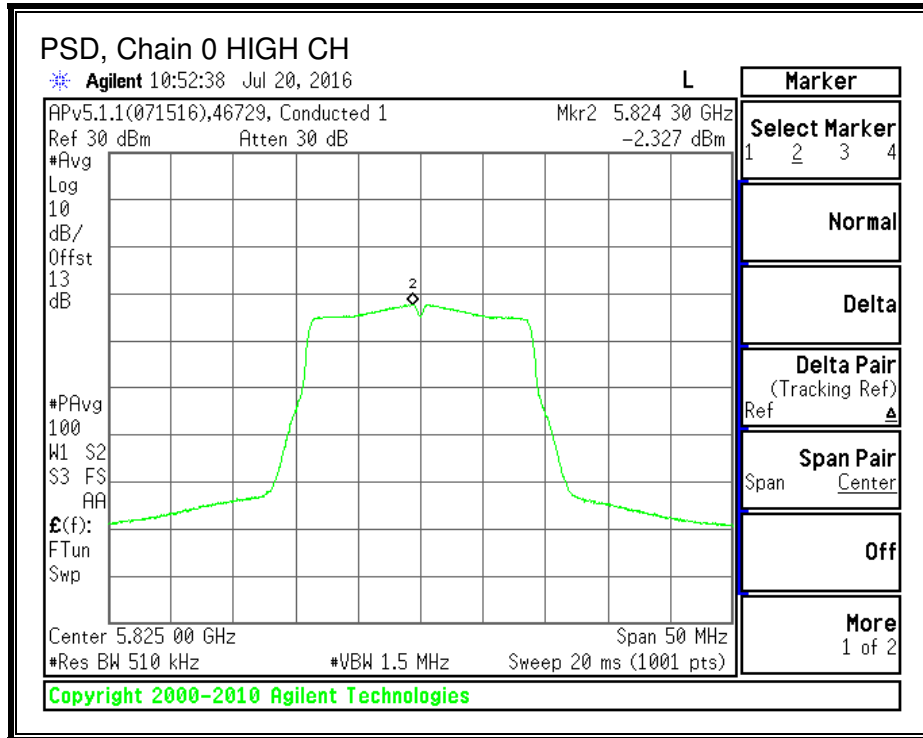
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
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##### PSD Results

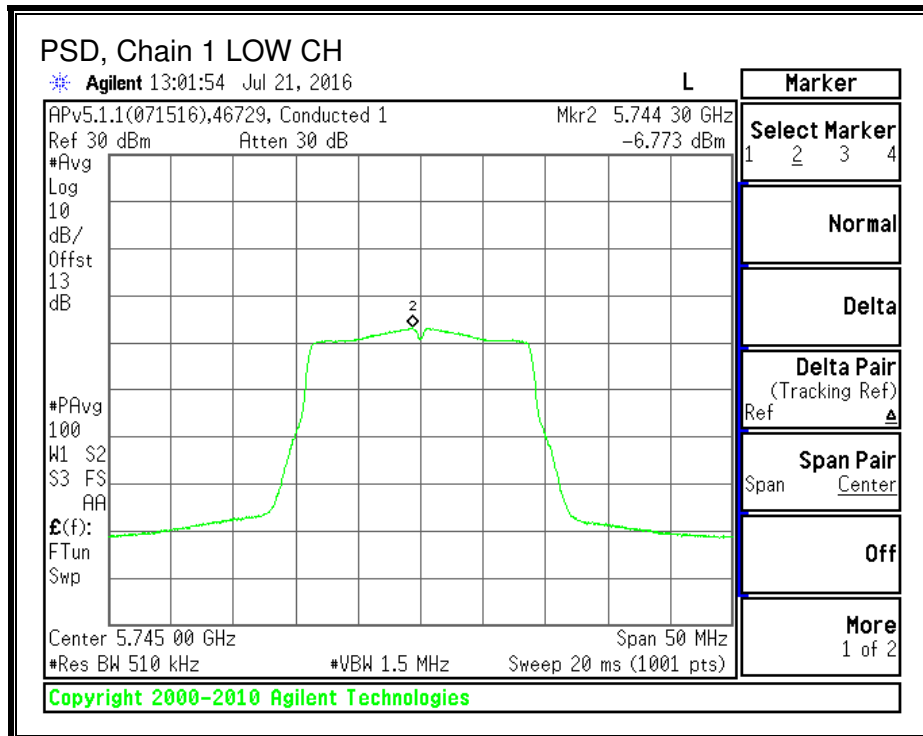
Channel	Frequency (MHz)	Chain 0 Meas PSD (dBm)	Chain 1 Meas PSD (dBm)	Total Corr'd PSD (dBm)	PSD Limit (dBm)	PSD Margin (dB)
Low	5745	-2.23	-6.77	-0.92	30.00	-30.92
Mid	5785	-2.60	-7.30	-1.33	30.00	-31.33
High	5825	-2.33	-7.09	-1.08	30.00	-31.08

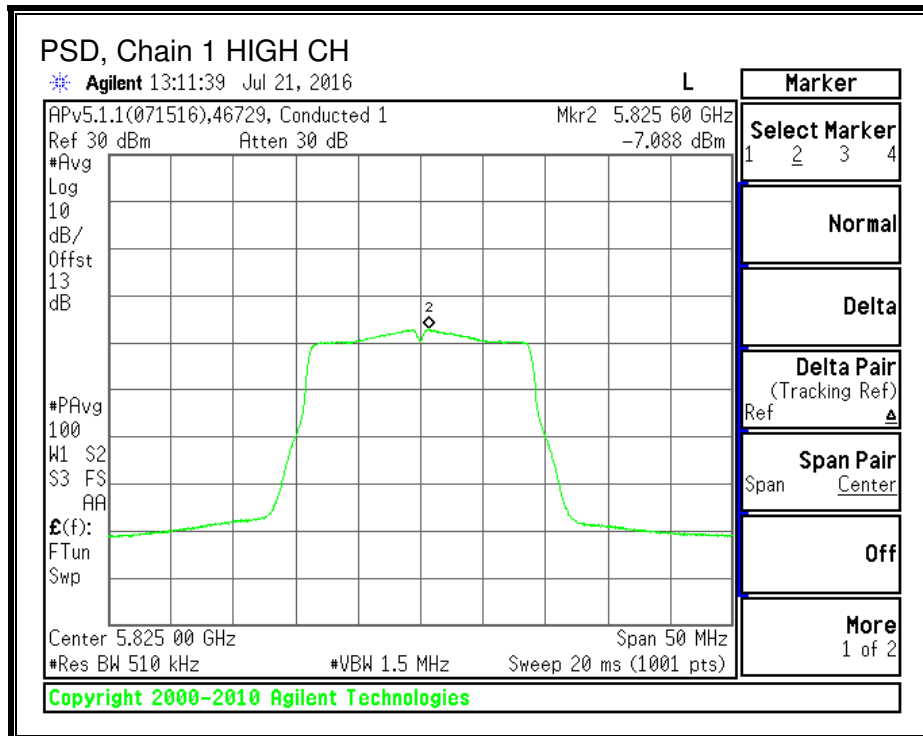
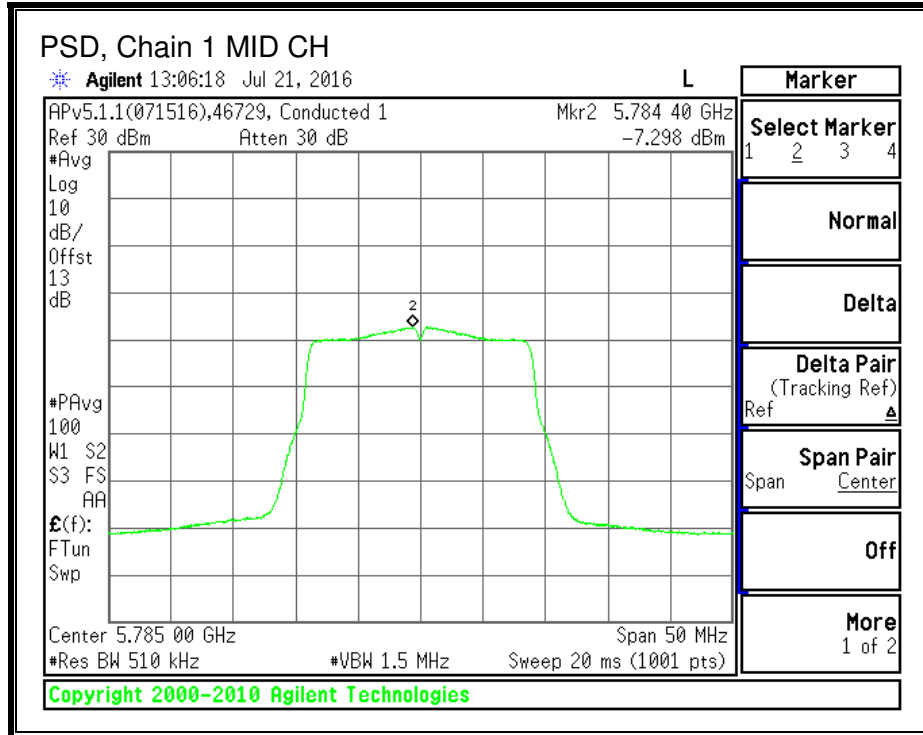
**PSD, Chain 0**





**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)

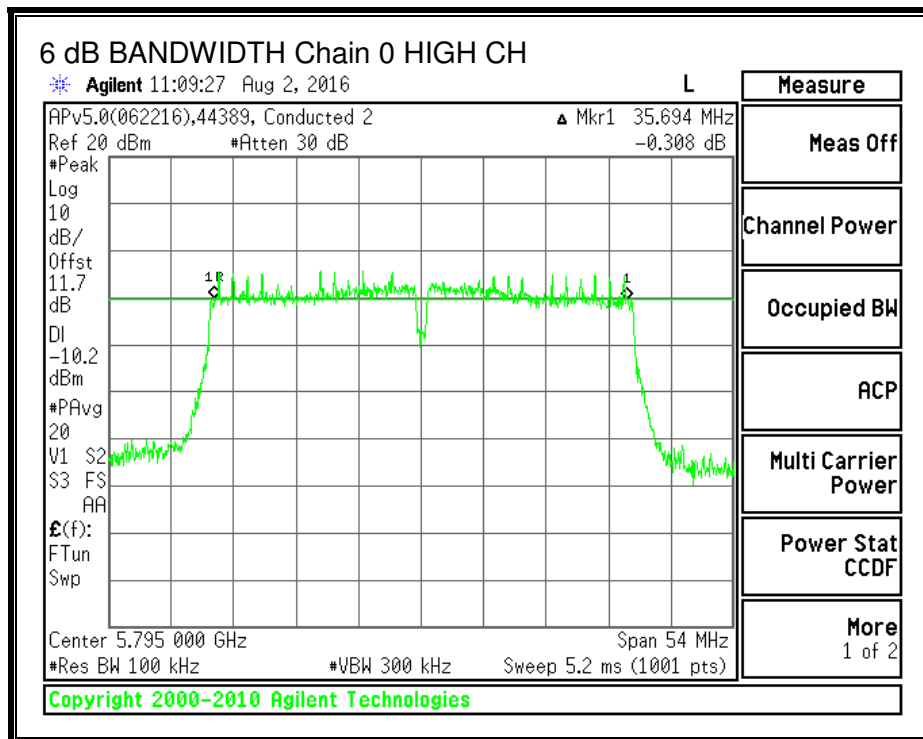
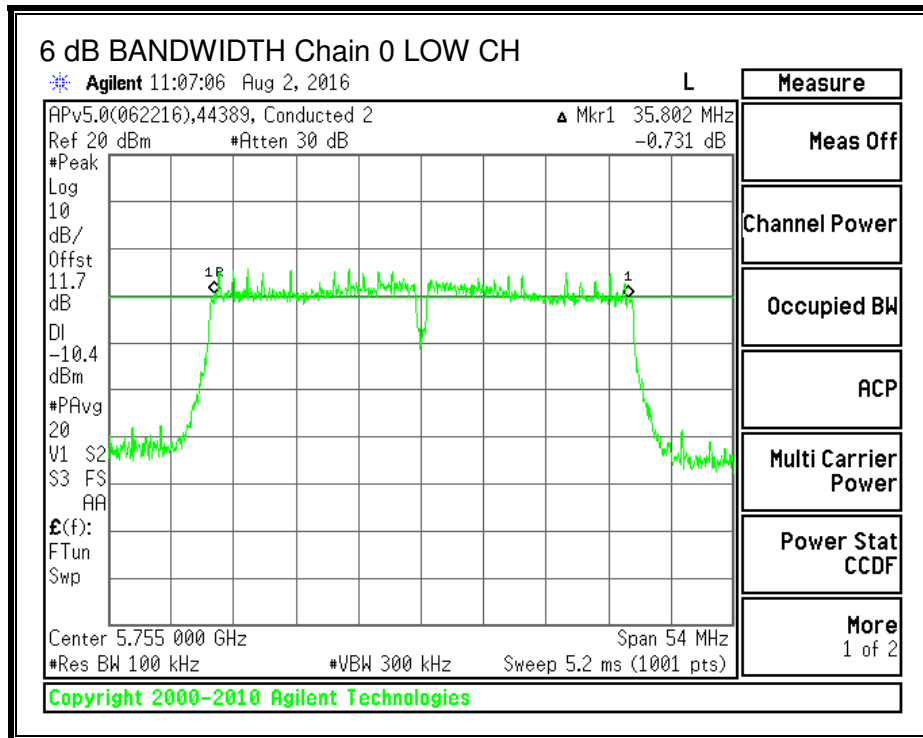
The minimum 6 dB bandwidth shall be at least 500 kHz.

#### RESULTS

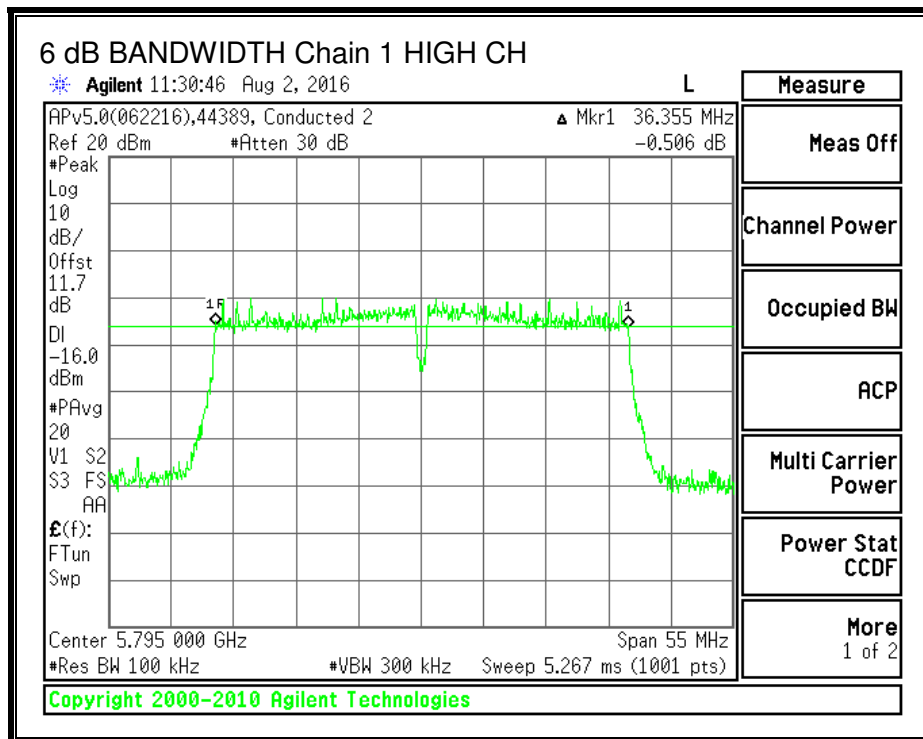
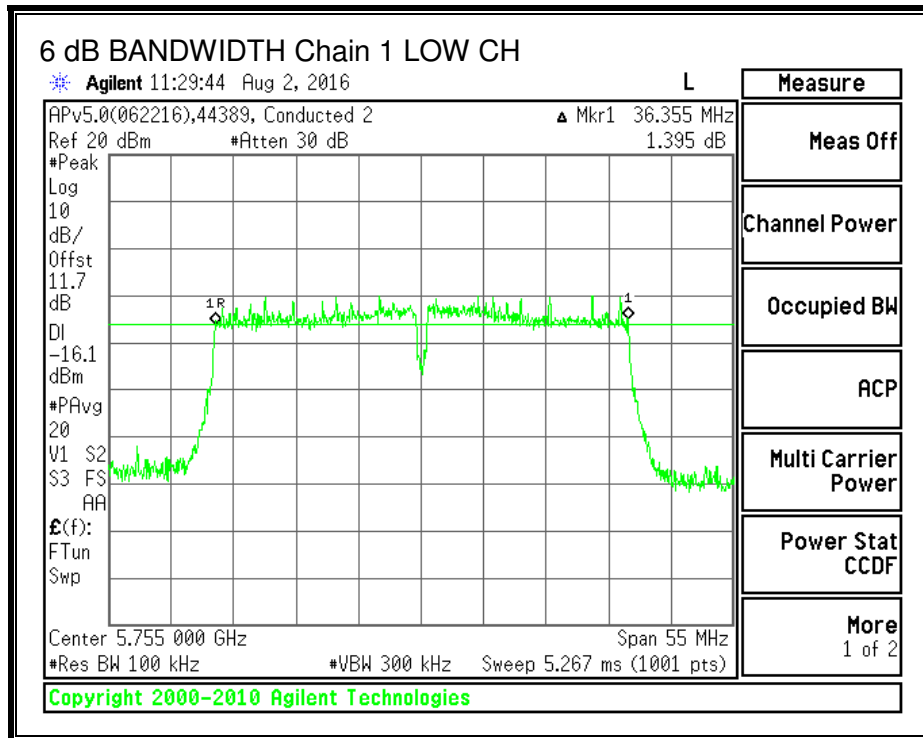
Channel	Frequency (MHz)	6 dB BW Chain 0 (MHz)	6 dB BW Chain 1 (MHz)	Minimum Limit (MHz)
Low	5755	35.8020	36.3550	0.5
High	5795	35.6940	36.3550	0.5



**6 dB BANDWIDTH, Chain 0**



**6 dB BANDWIDTH, Chain 1**



**8.16.2. 99% BANDWIDTH**

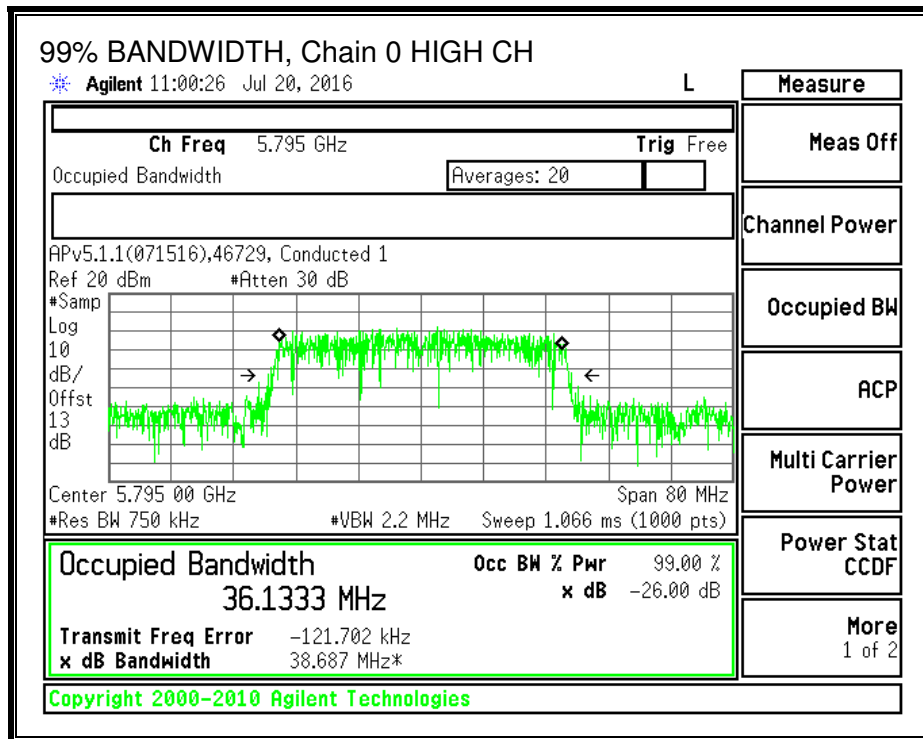
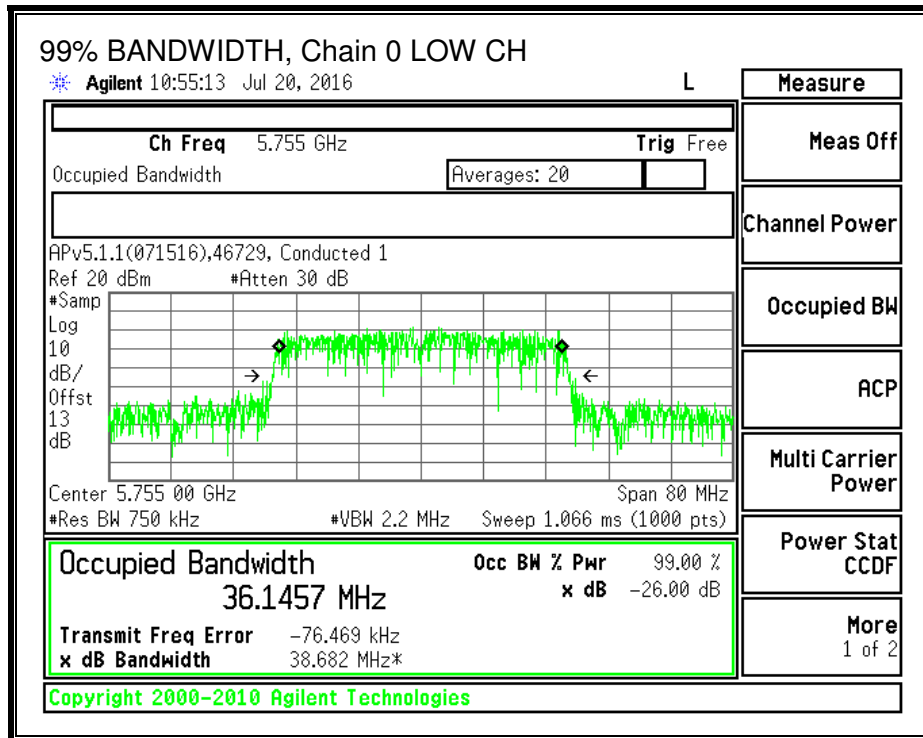
**LIMITS**

None; for reporting purposes only.

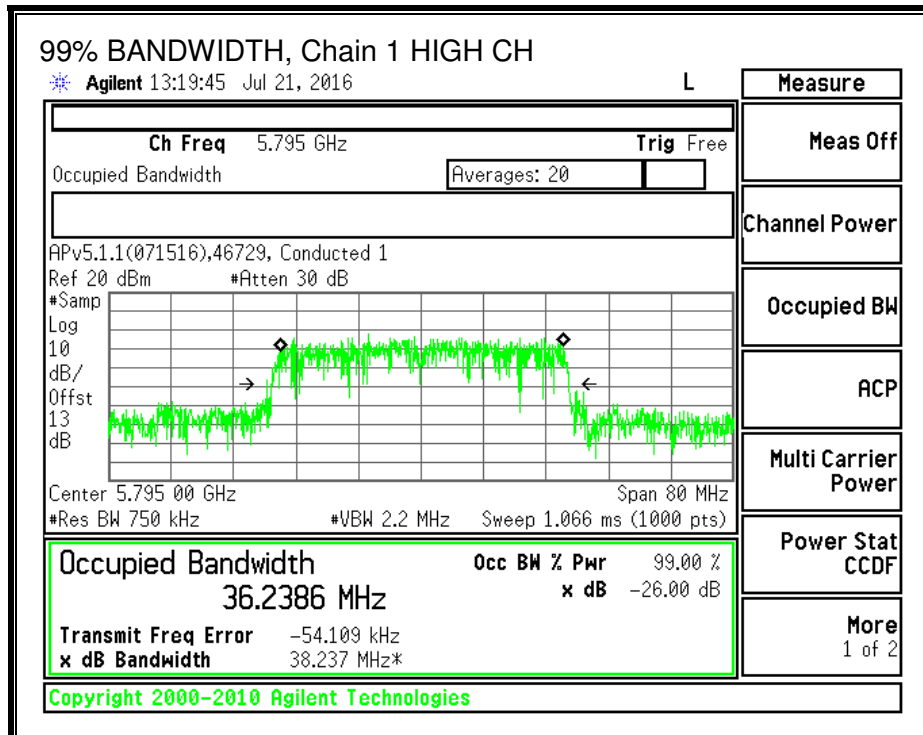
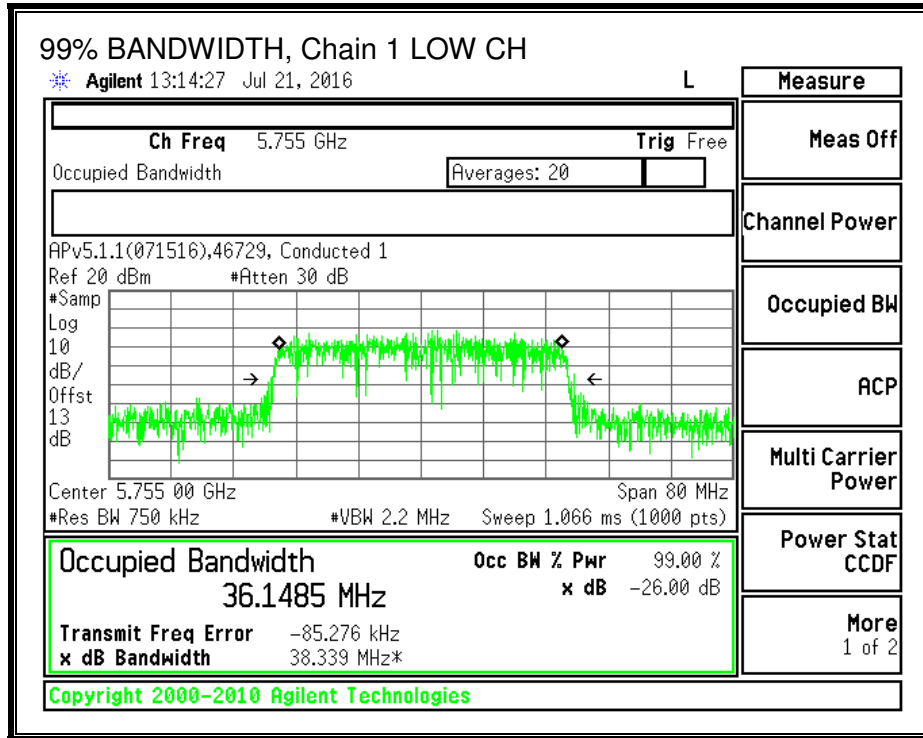
**RESULTS**

Channel	Frequency (MHz)	99% BW Chain 0 (MHz)	99% BW Chain 1 (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**

Channel	Frequency (MHz)	Chain 0 Power (dBm)	Chain 1 Power (dBm)	Total Power (dBm)
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 Antenna Gain (dBi)	Chain 1 Antenna Gain (dBi)	Uncorrelated Chains Directional Gain (dBi)
-2.80	-2.30	-2.54

#### RESULTS

##### Antenna Gain and Limit

Channel	Frequency (MHz)	Directional Gain (dBi)	Power Limit (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
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##### Output Power Results

Channel	Frequency (MHz)	Chain 0 Meas Power (dBm)	Chain 1 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5755	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 Antenna Gain (dBi)	Chain 1 Antenna Gain (dBi)	Correlated Chains Directional Gain (dBi)
-2.80	-2.30	0.46

#### RESULTS

##### Antenna Gain and Limit

Channel	Frequency (MHz)	Directional Gain (dBi)	PSD Limit (dBm)
Low	5755	0.46	30.00
High	5795	0.46	30.00

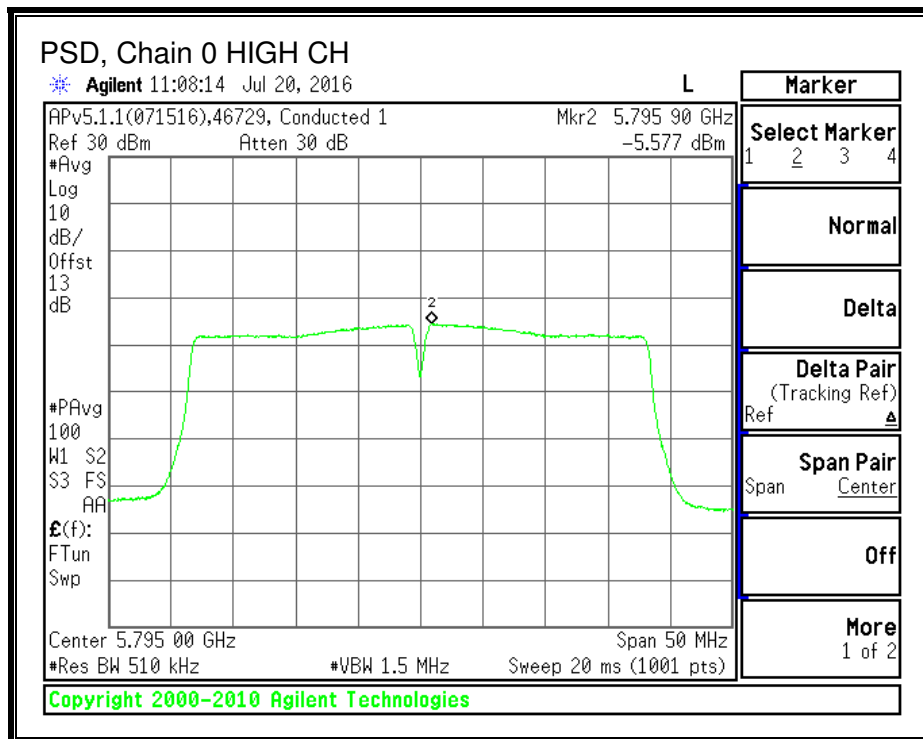
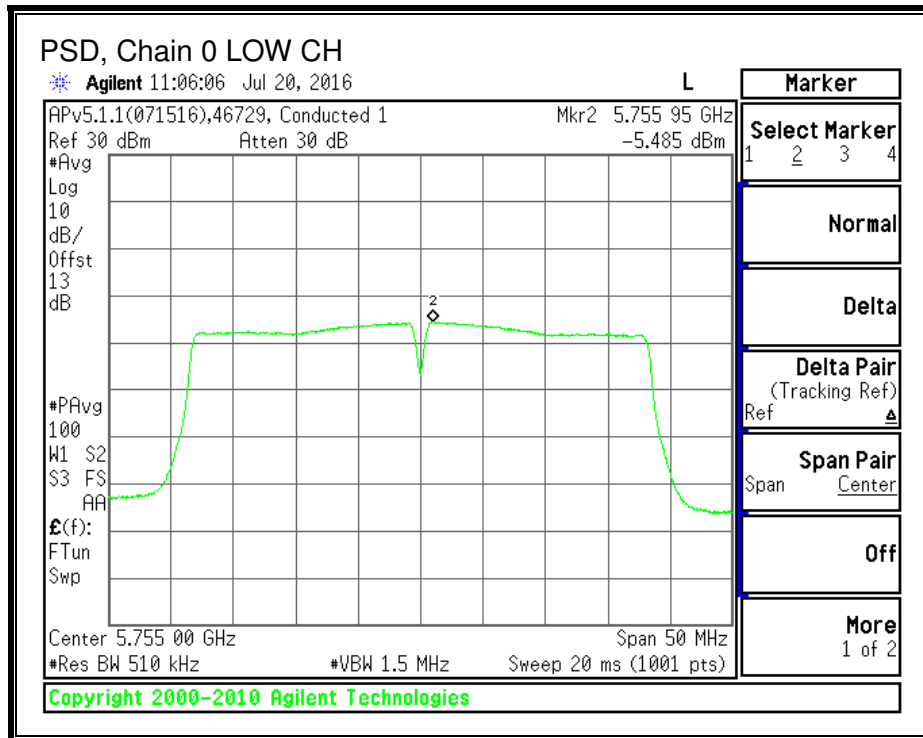
Duty Cycle CF (dB)	0.12	Included in Calculations of Corr'd PSD
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##### PSD Results

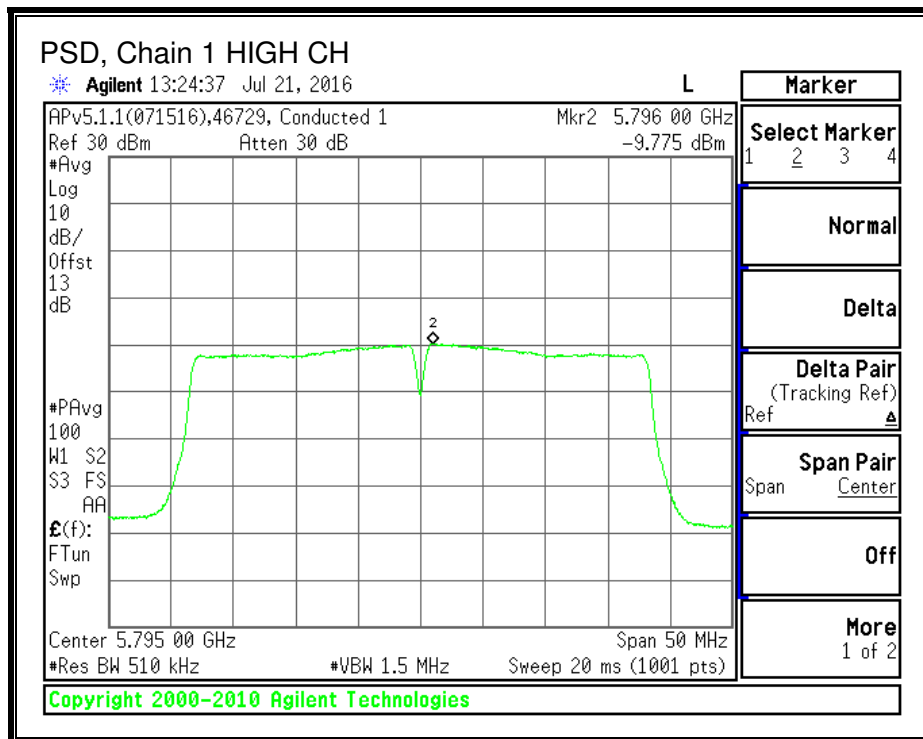
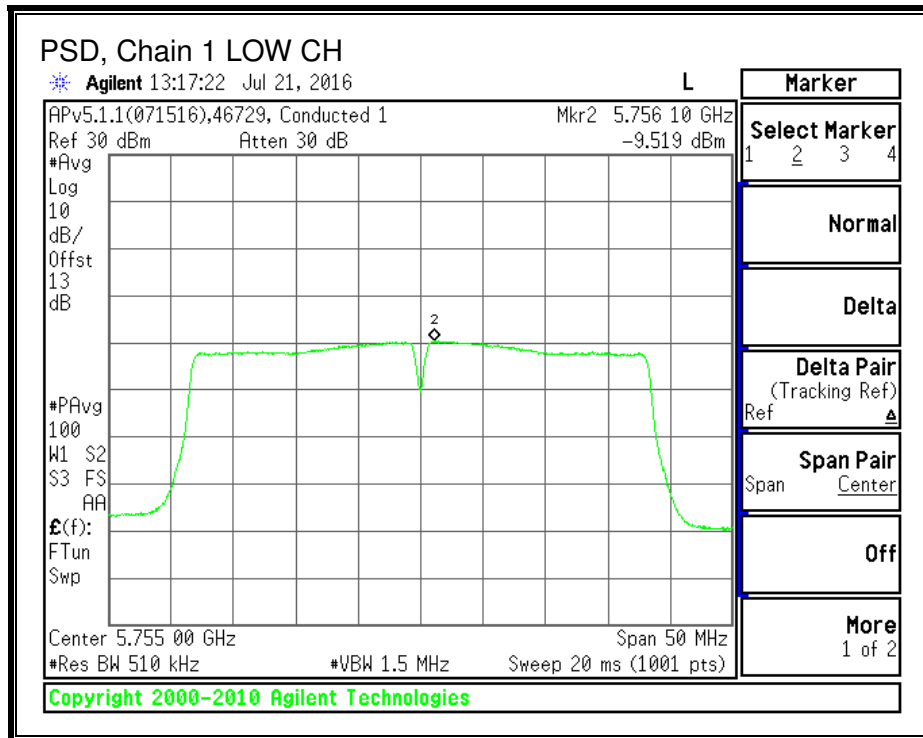
Channel	Frequency (MHz)	Chain 0 Meas PSD (dBm)	Chain 1 Meas PSD (dBm)	Total Corr'd PSD (dBm)	PSD Limit (dBm)	PSD Margin (dB)
Low	5755	-5.49	-9.52	-3.92	30.00	-33.92
High	5795	-5.58	-9.78	-4.06	30.00	-34.06



**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

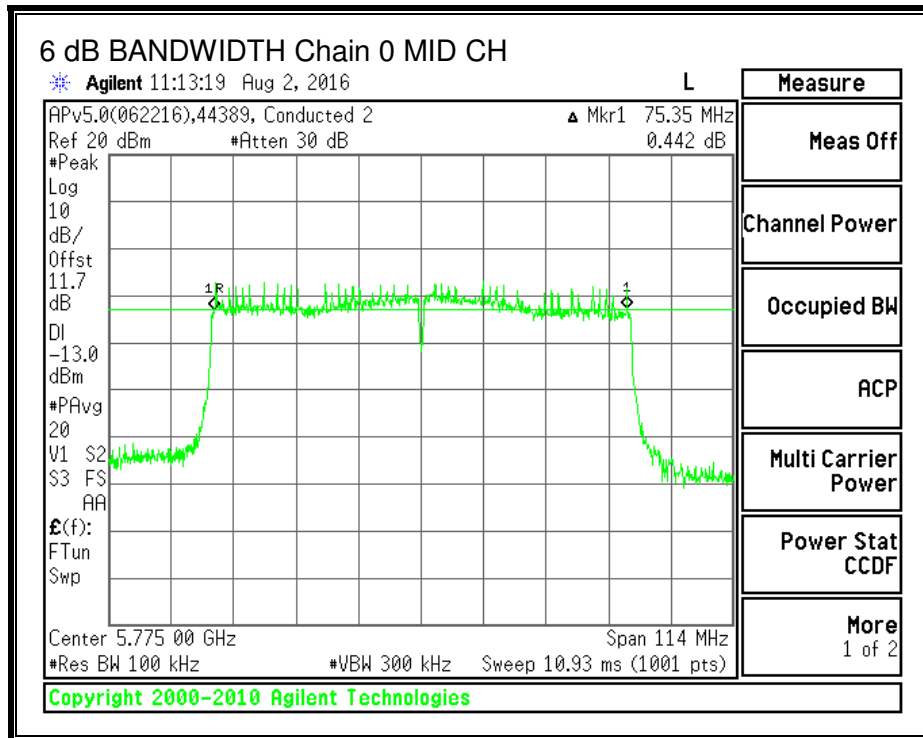
FCC §15.407 (e)

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

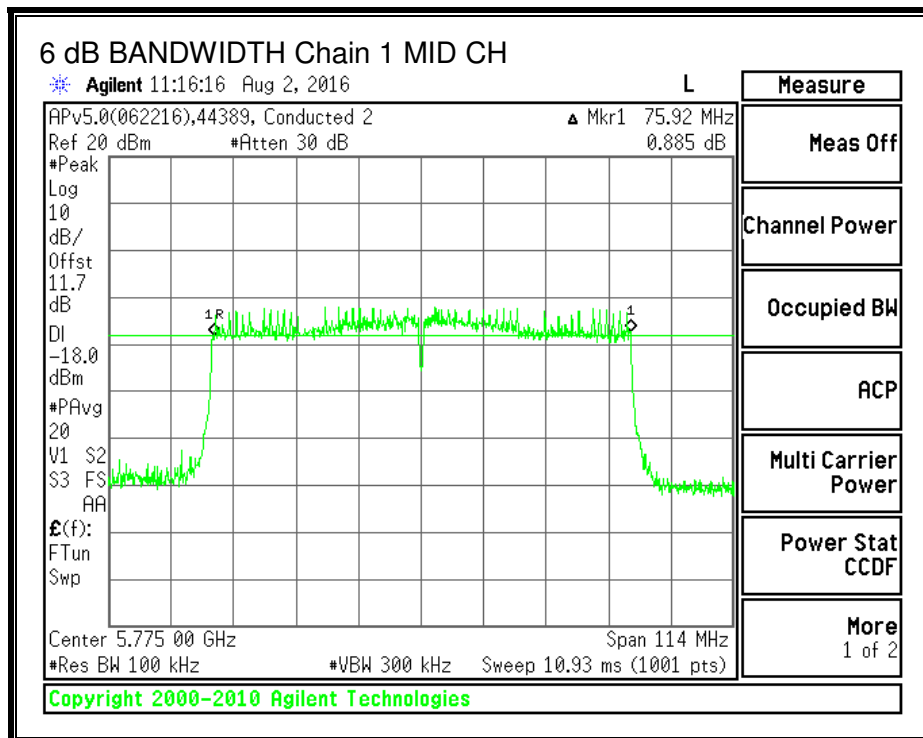
#### RESULTS

Channel	Frequency (MHz)	6 dB BW Chain 0 (MHz)	6 dB BW Chain 1 (MHz)	Minimum Limit (MHz)
Mid	5775	75.3500	75.9200	0.5

**6 dB BANDWIDTH, Chain 0**



**6 dB BANDWIDTH, Chain 1**



**8.17.2. 99% BANDWIDTH**

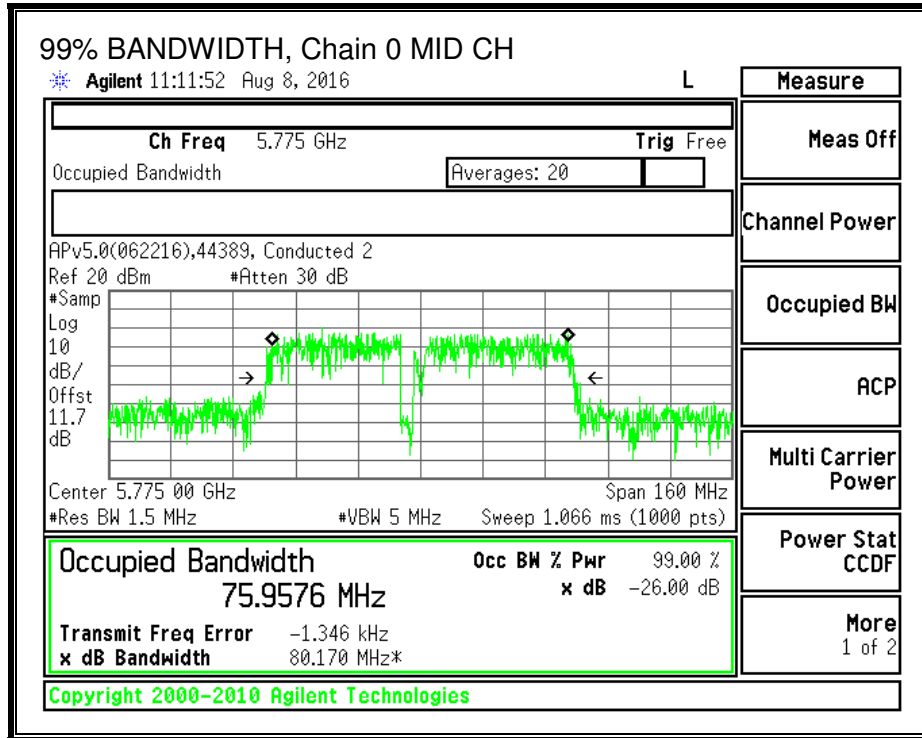
**LIMITS**

None; for reporting purposes only.

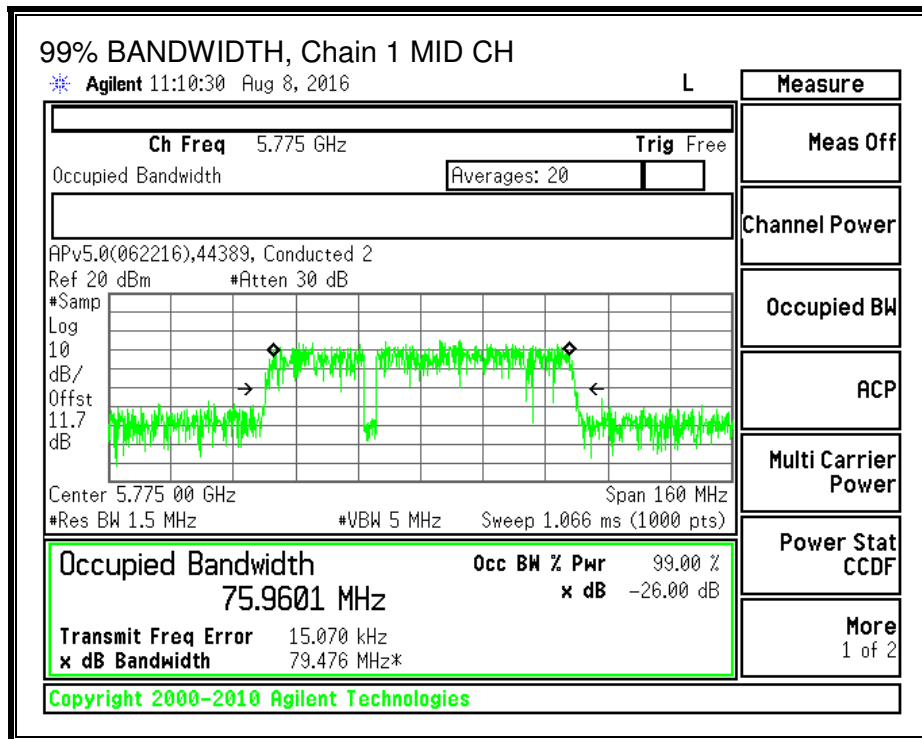
**RESULTS**

Channel	Frequency (MHz)	99% BW Chain 0 (MHz)	99% BW Chain 1 (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 (MHz)	Chain 0 Power (dBm)	Chain 1 Power (dBm)	Total Power (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 Antenna Gain (dBi)	Chain 1 Antenna Gain (dBi)	Uncorrelated Chains Directional Gain (dBi)
-2.80	-2.30	-2.54

#### RESULTS

##### Antenna Gain and Limit

Channel	Frequency (MHz)	Directional Gain (dBi)	Power Limit (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 (MHz)	Chain 0 Meas Power (dBm)	Chain 1 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Mid	5775	10.55	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 Antenna Gain (dBi)	Chain 1 Antenna Gain (dBi)	Correlated Chains Directional Gain (dBi)
-2.80	-2.30	0.46

**RESULTS**

**Antenna Gain and Limit**

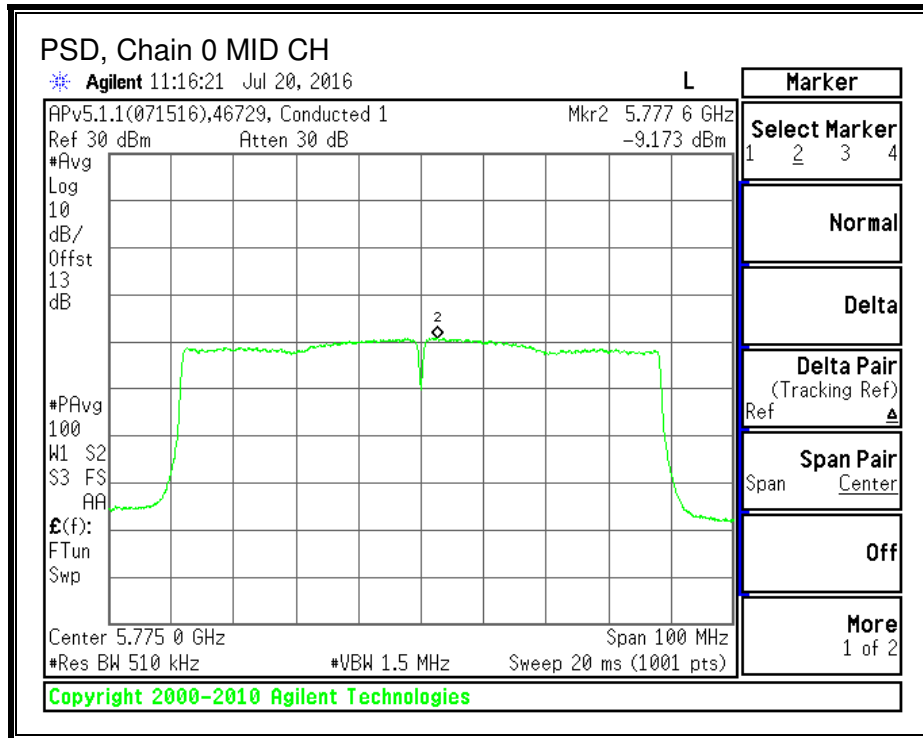
Channel	Frequency (MHz)	Directional Gain (dBi)	PSD Limit (dBm)
Mid	5755	0.46	30.00

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

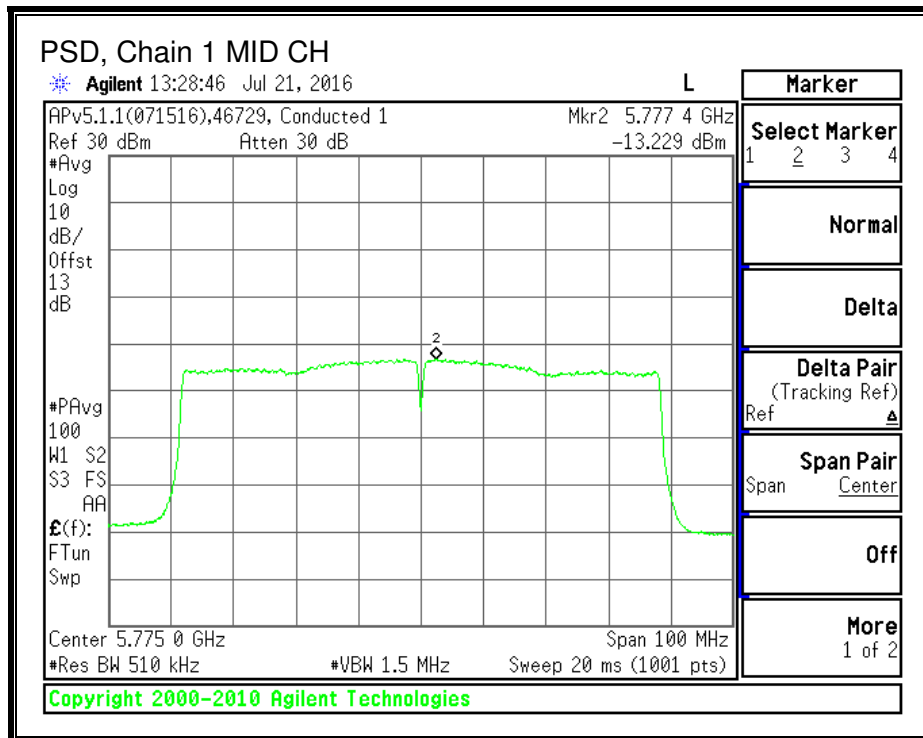
**PSD Results**

Channel	Frequency (MHz)	Chain 0 Meas PSD (dBm)	Chain 1 Meas PSD (dBm)	Total Corr'd PSD (dBm)	PSD Limit (dBm)	PSD Margin (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.

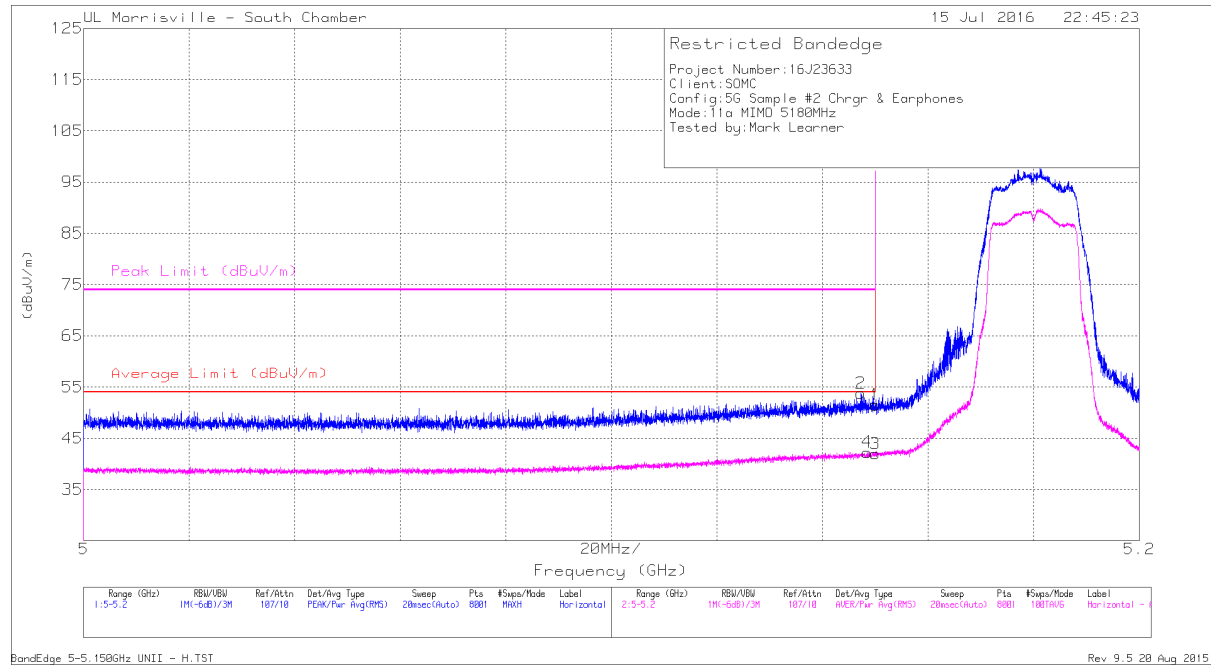
The frequency range of interest is monitored at a fixed antenna height and EUT azimuth. The EUT is rotated through 360 degrees to maximize emissions received. The antenna is scanned from 1 to 4 meters above the ground plane to further maximize the emission. Measurements are made with the antenna polarized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

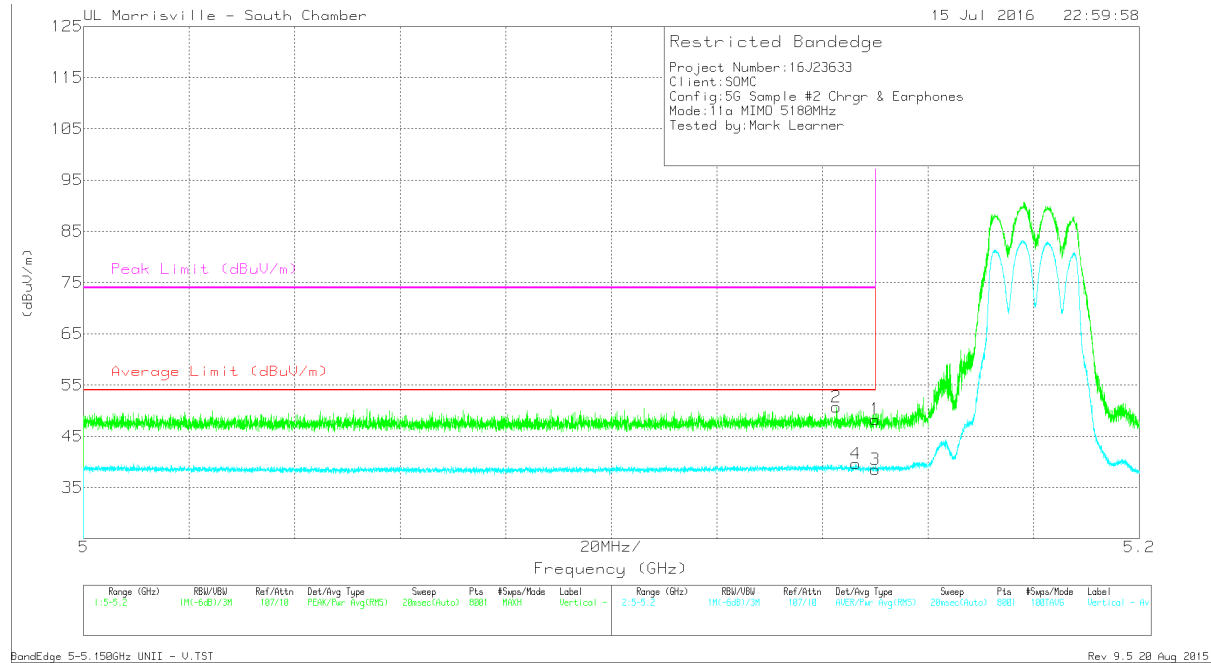
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF AT0069 (dB/m)	Amp/Cbl/Fitr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	* 5.147	42.47	Pk	34.2	-22.9	0	53.77	-	-	74	-20.23	315	115	H
4	* 5.148	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

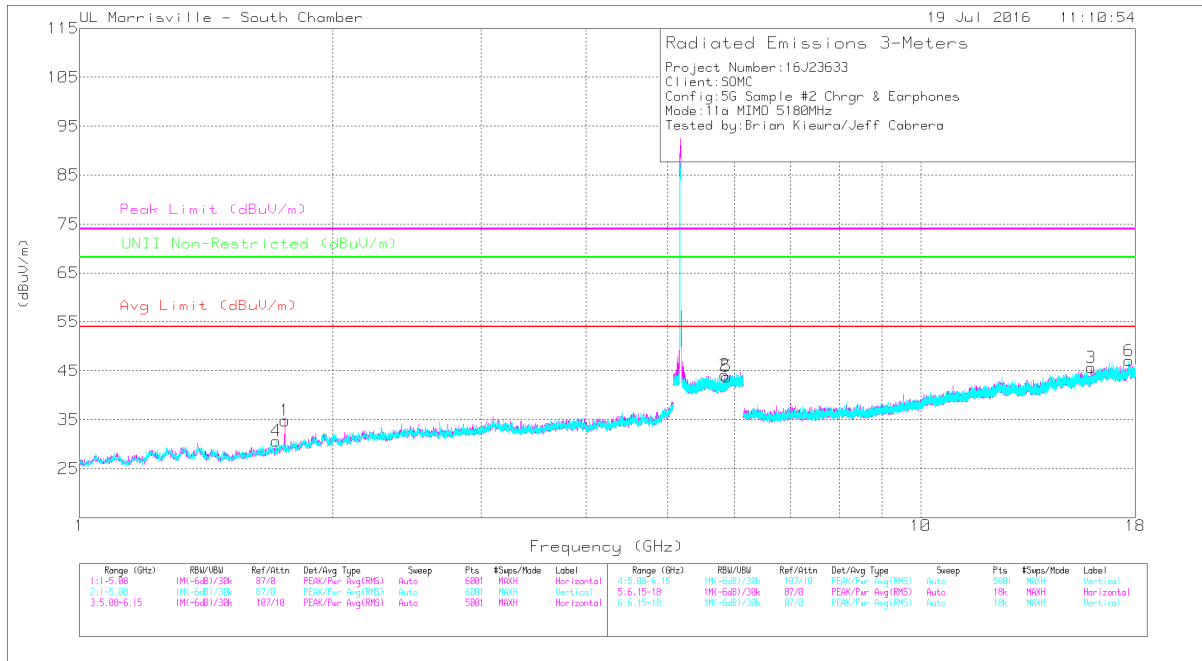
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF AT0069 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	* 5.143	39.3	Pk	34.2	-22.8	0	50.7	-	-	74	-23.3	108	114	V
4	* 5.146	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**

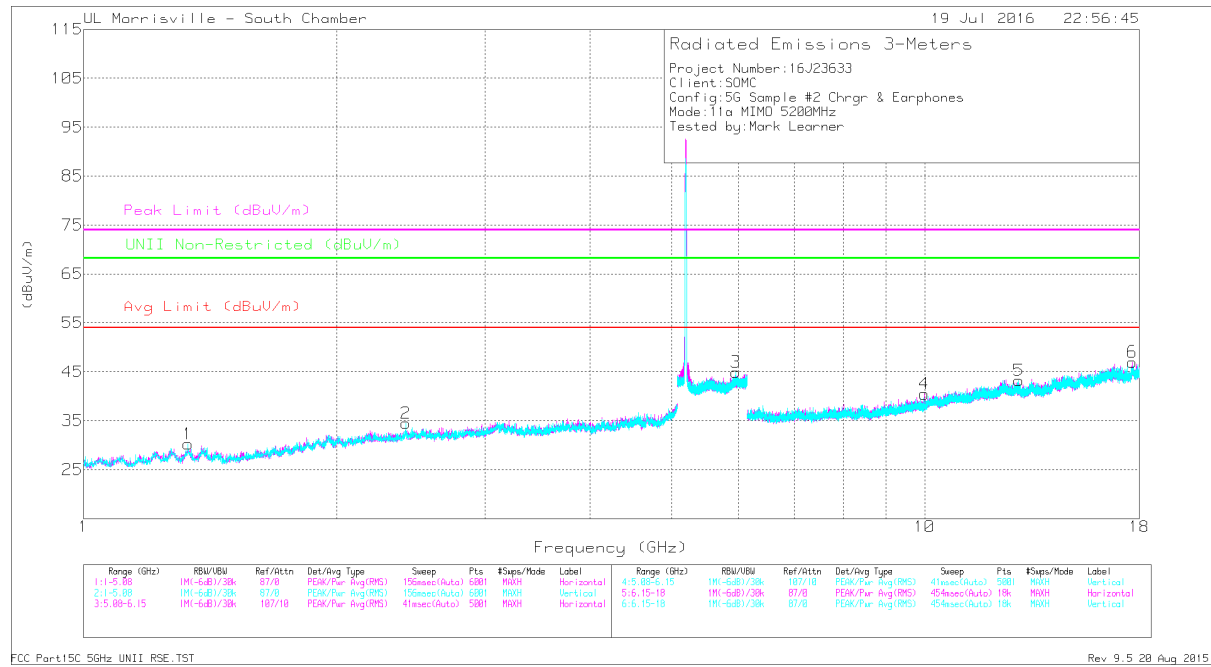


**Trace Markers**

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



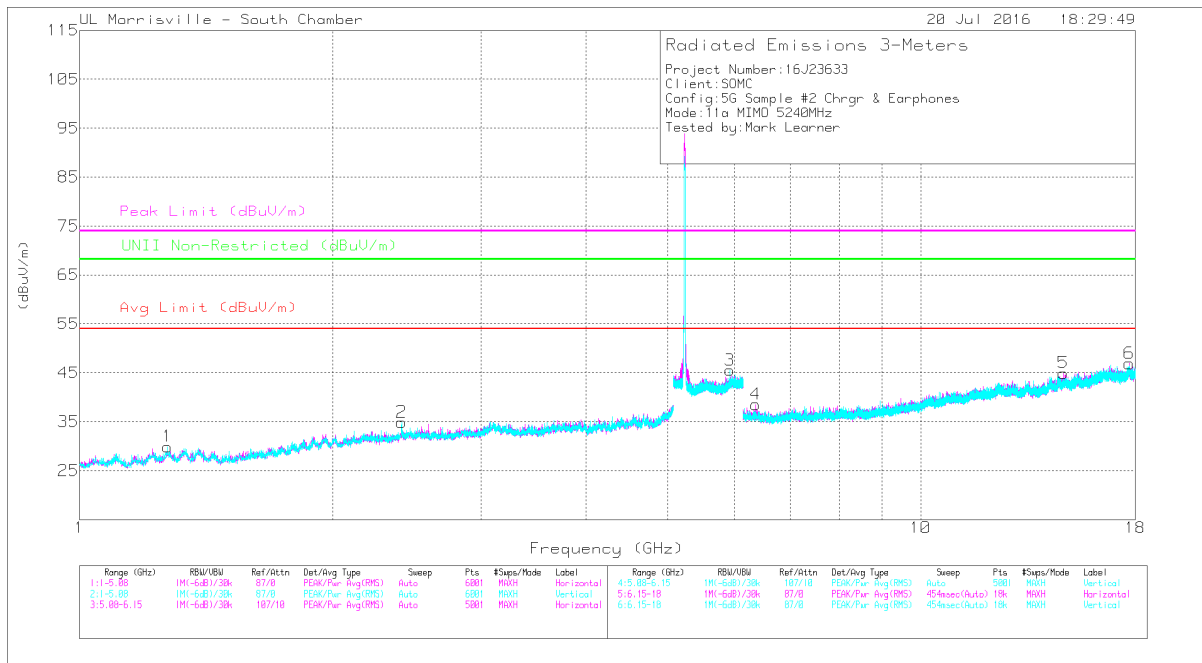
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF AT0069 (dB/m)	Amp/Cbl/Fltr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.33	42.74	PK-U	28.8	-35.4	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

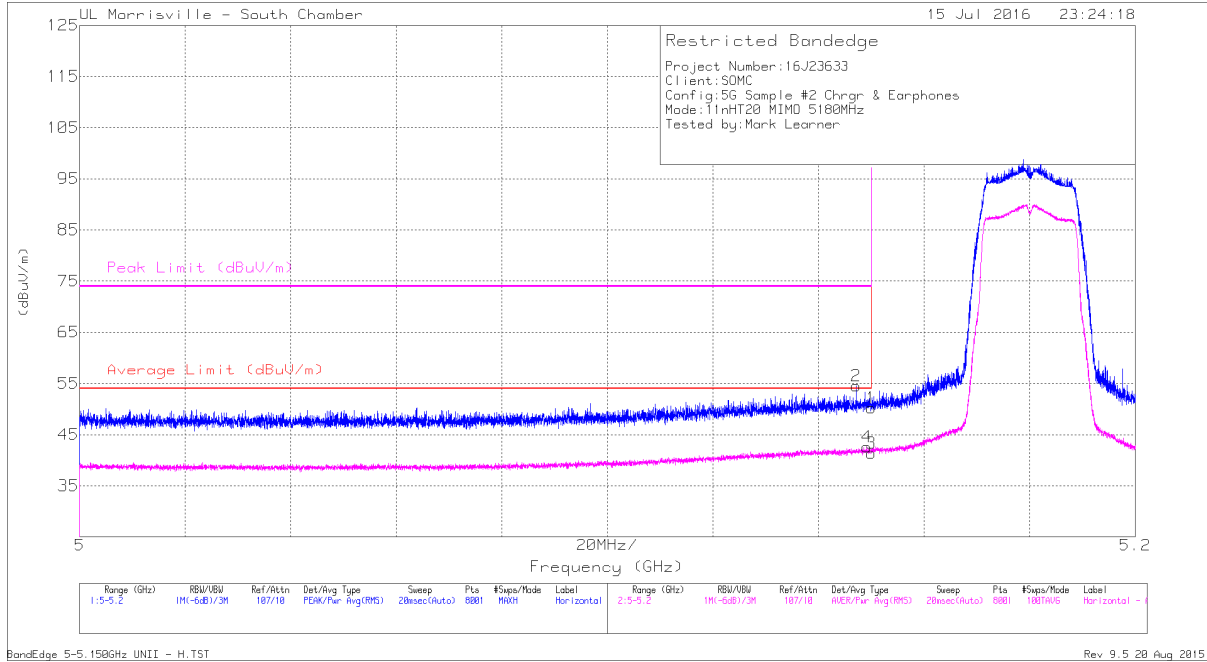
ADR - U-NII AD primary method, RMS average



### 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

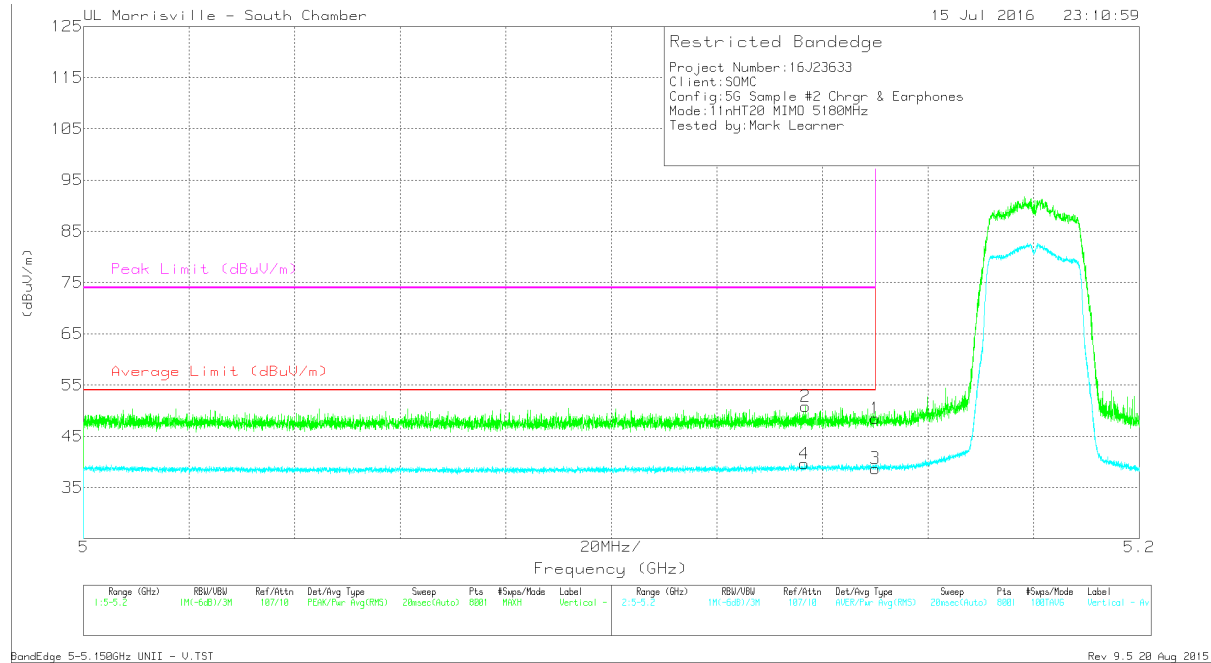
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF AT0069 (dB/m)	Amp/Cbl/ Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	* 5.147	43.23	Pk	34.2	-22.9	0	54.53	-	-	74	-19.47	314	102	H
4	* 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

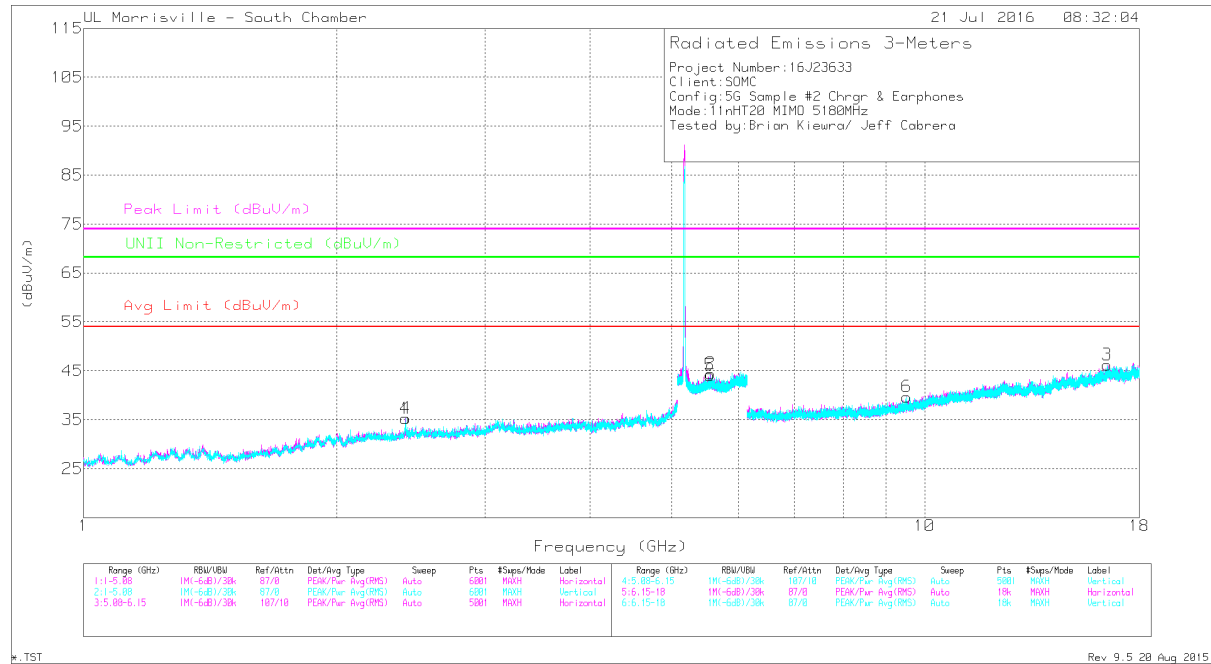
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

**HARMONICS AND SPURIOUS EMISSIONS**

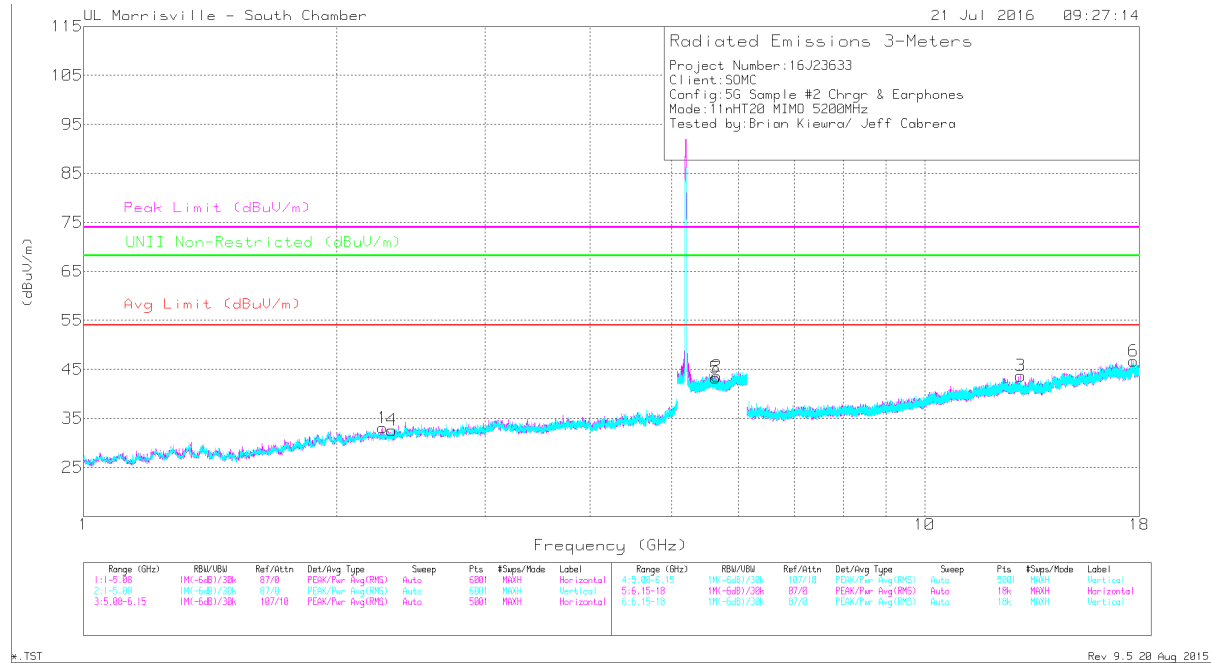
**LOW CHANNEL PLOT**



**Trace Markers**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF AT0069 (dB/m)	Amp/Cbl/ 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	2.415	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

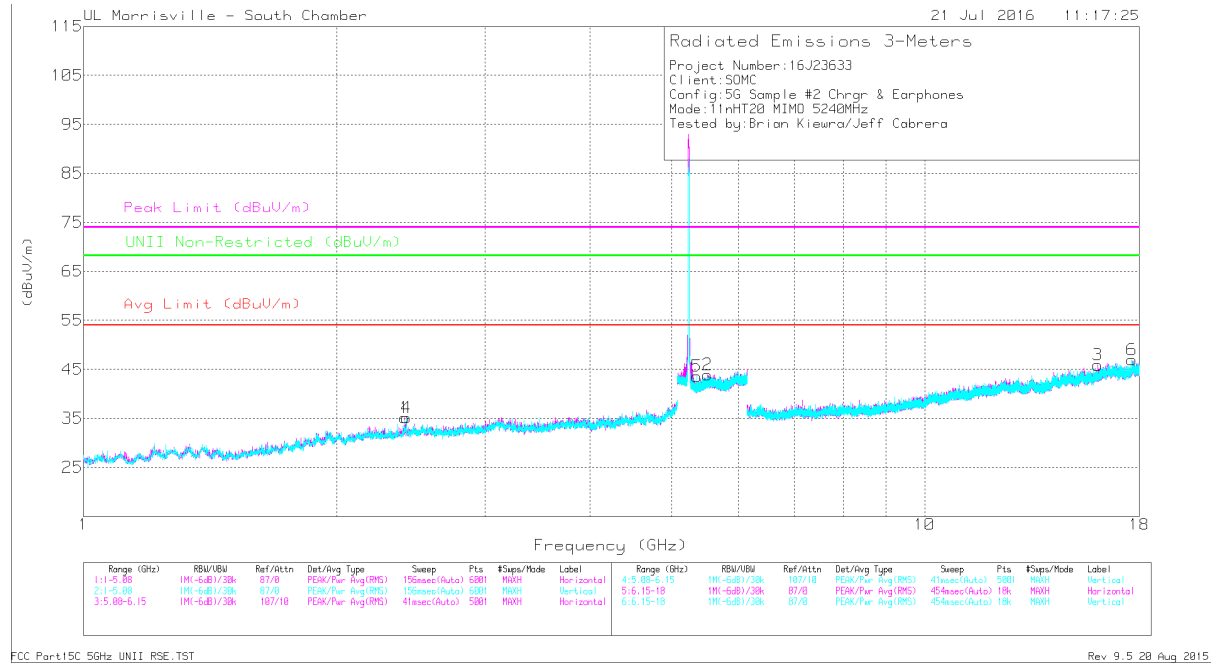
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF AT0069 (dB/m)	Amp/Cbl/Fltr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.267	42.23	PK-U	31.7	-34.6	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

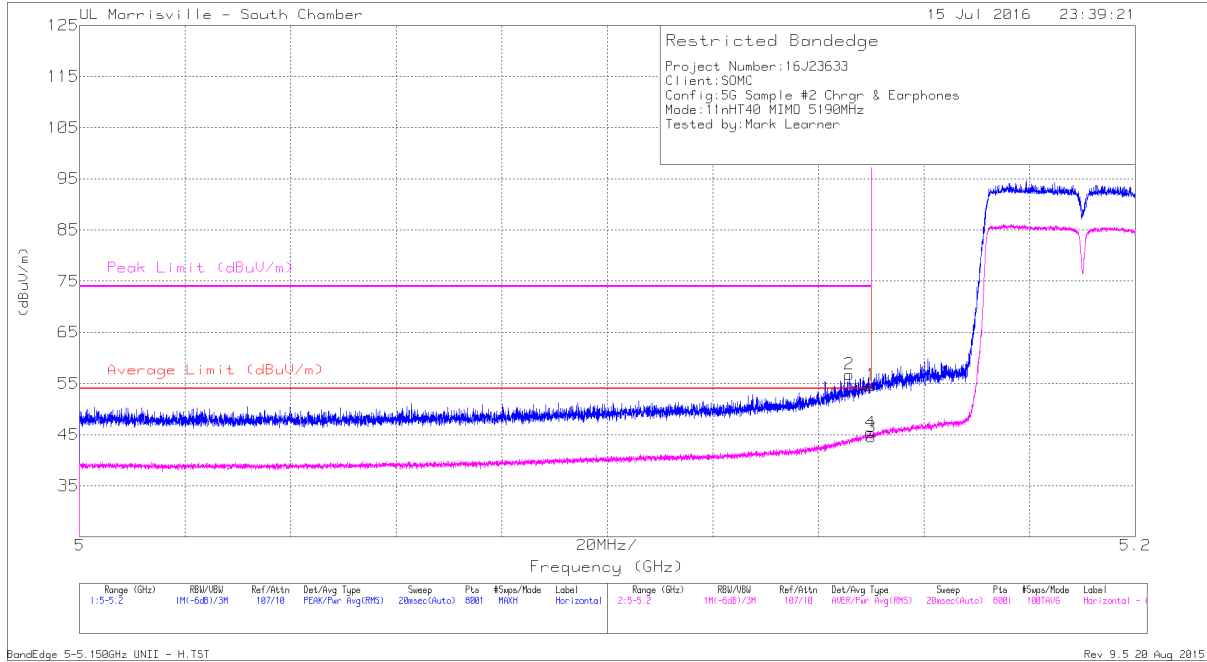
PK-U - U-NII: Maximum Peak

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

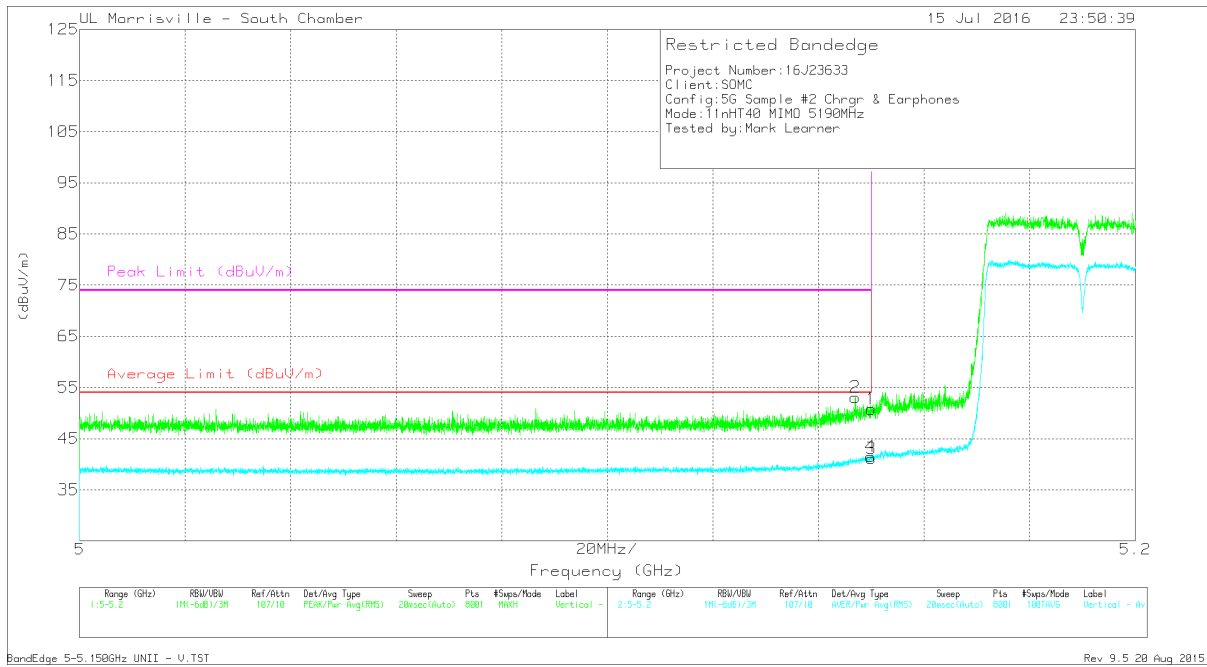
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF AT0069 (dB/m)	Amp/Cbl /Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	* 5.146	45.4	Pk	34.2	-22.8	0	56.8	-	-	74	-17.2	312	102	H
4	* 5.15	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

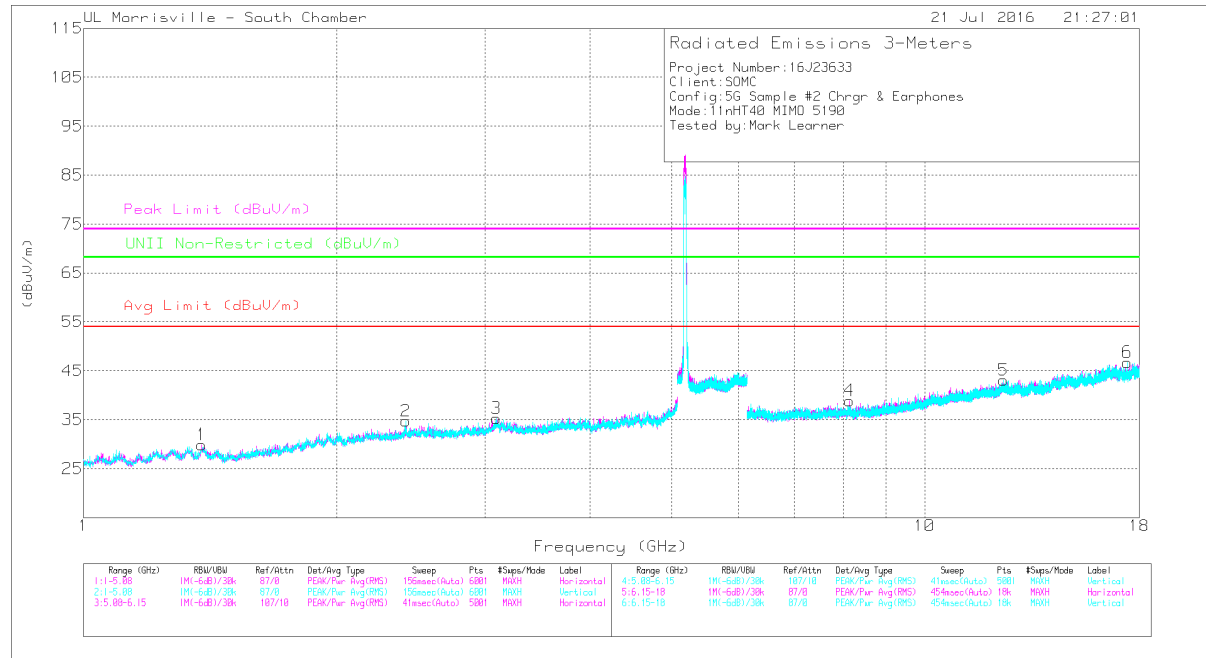
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

**HARMONICS AND SPURIOUS EMISSIONS**

**LOW CHANNEL PLOT**



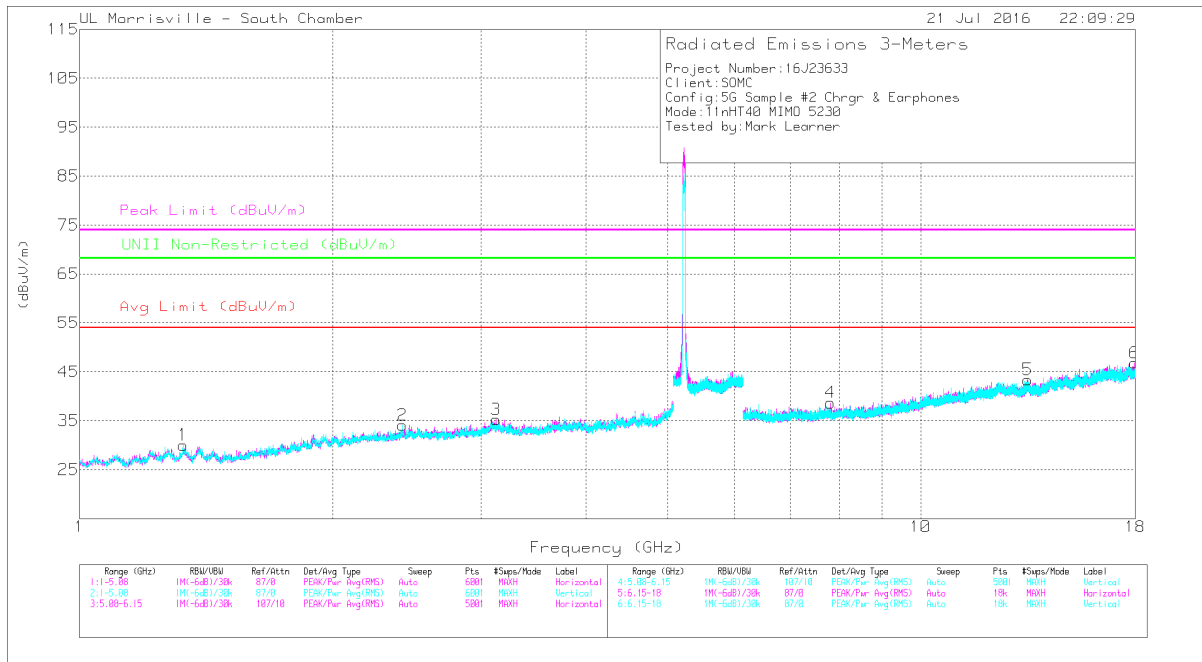
**Trace Markers**

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/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	* 1.328	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

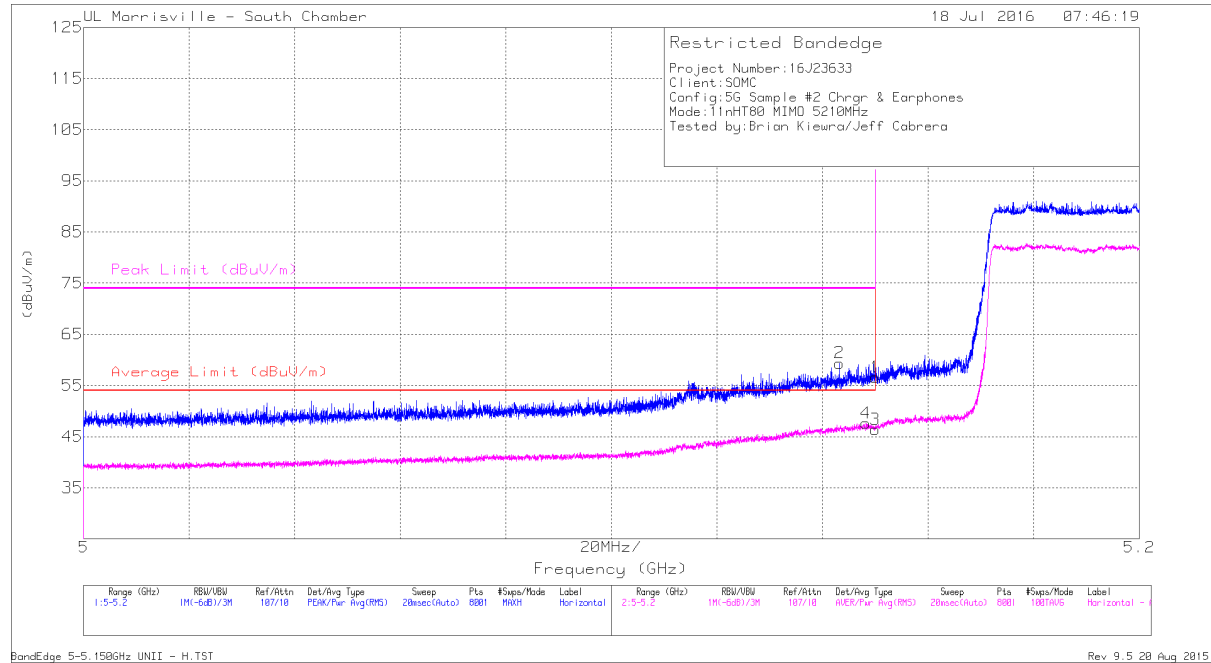
PK-U - U-NII: Maximum Peak

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

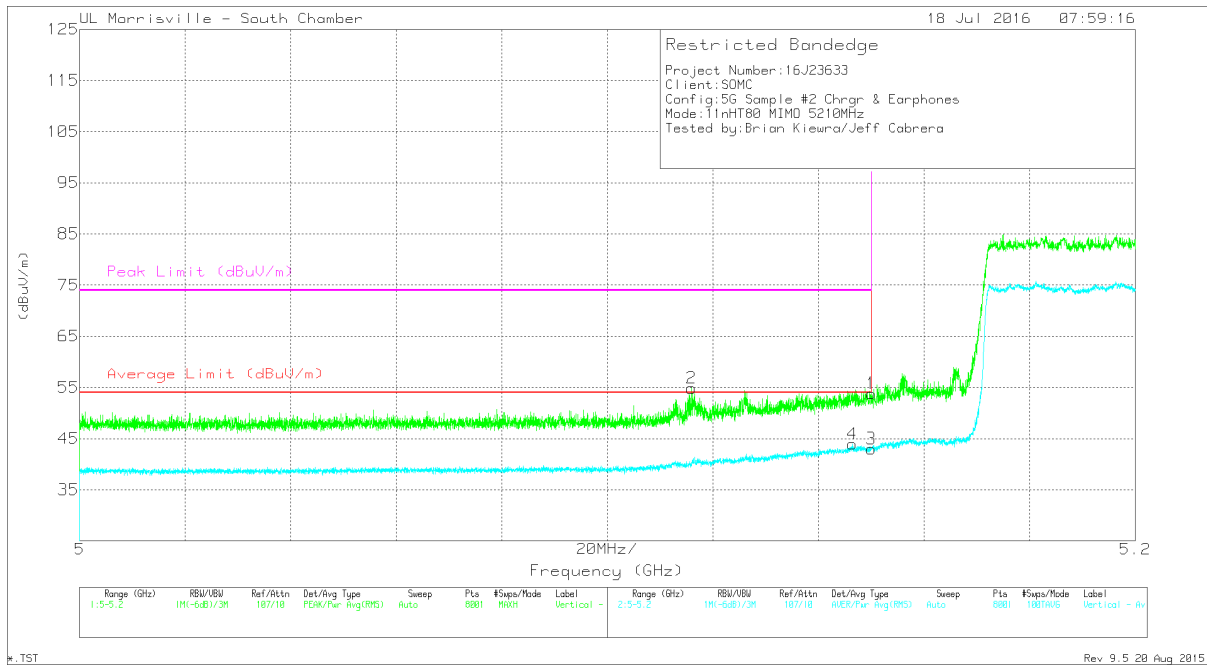
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF AT0069 (dB/m)	Amp/Cbl/Ftr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	* 5.143	47.98	Pk	34.2	-22.8	0	59.38	-	-	74	-14.62	318	109	H
4	* 5.148	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

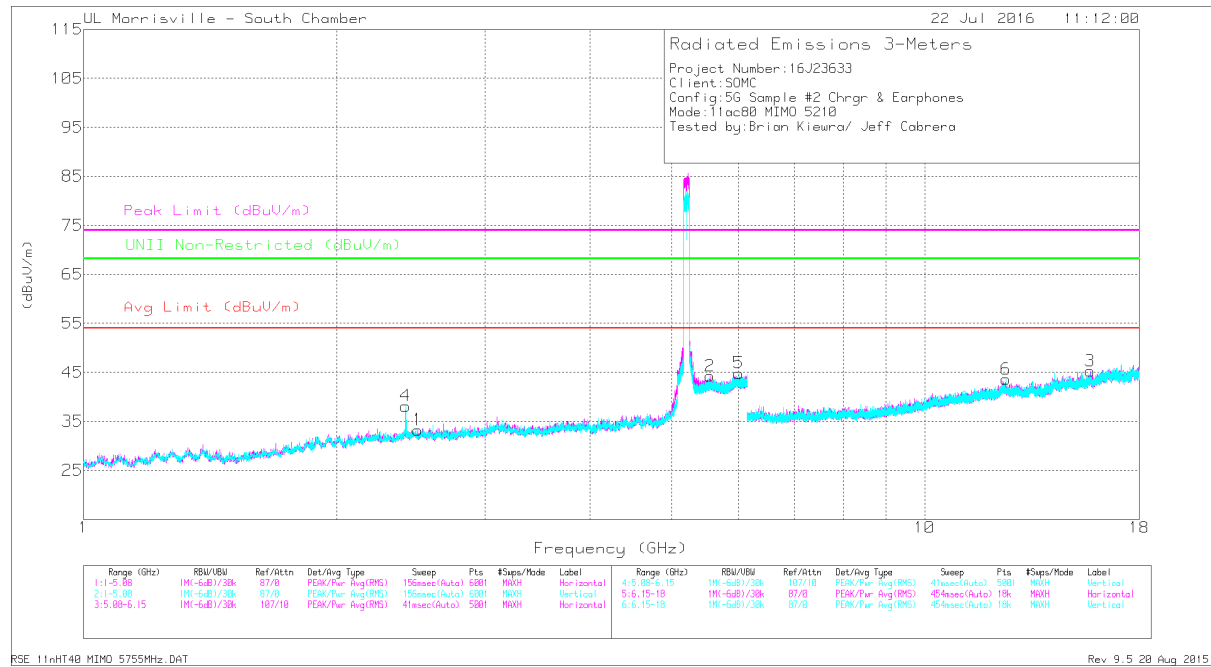
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

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

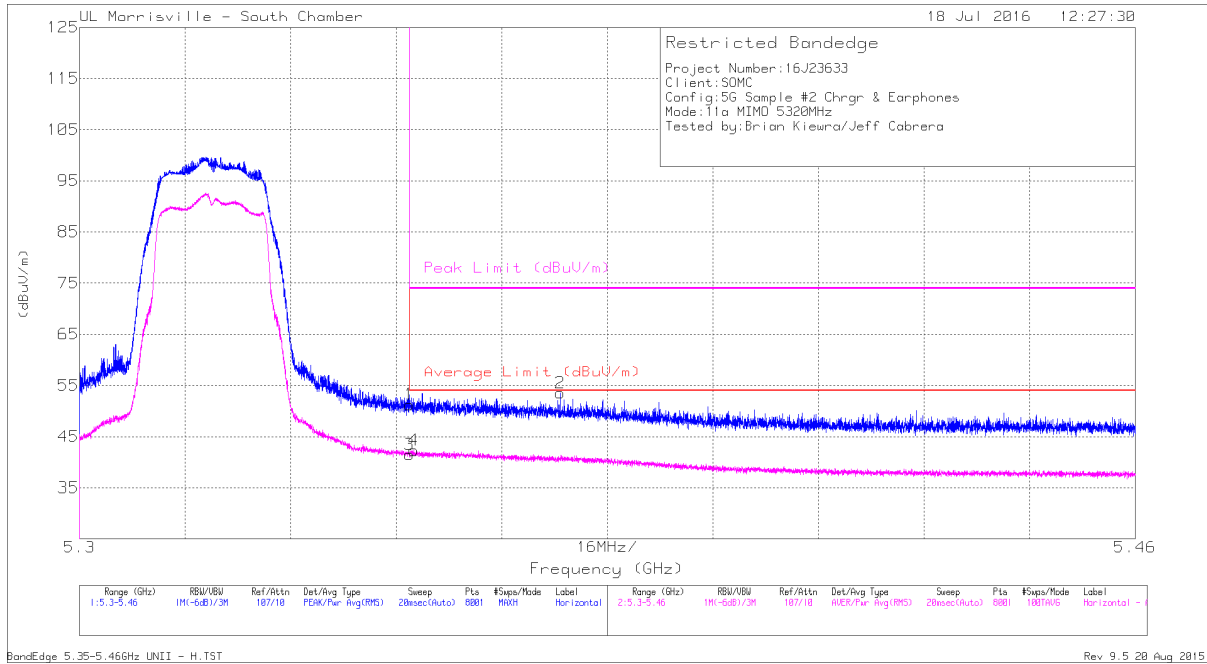
PK-U - U-NII: Maximum Peak

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

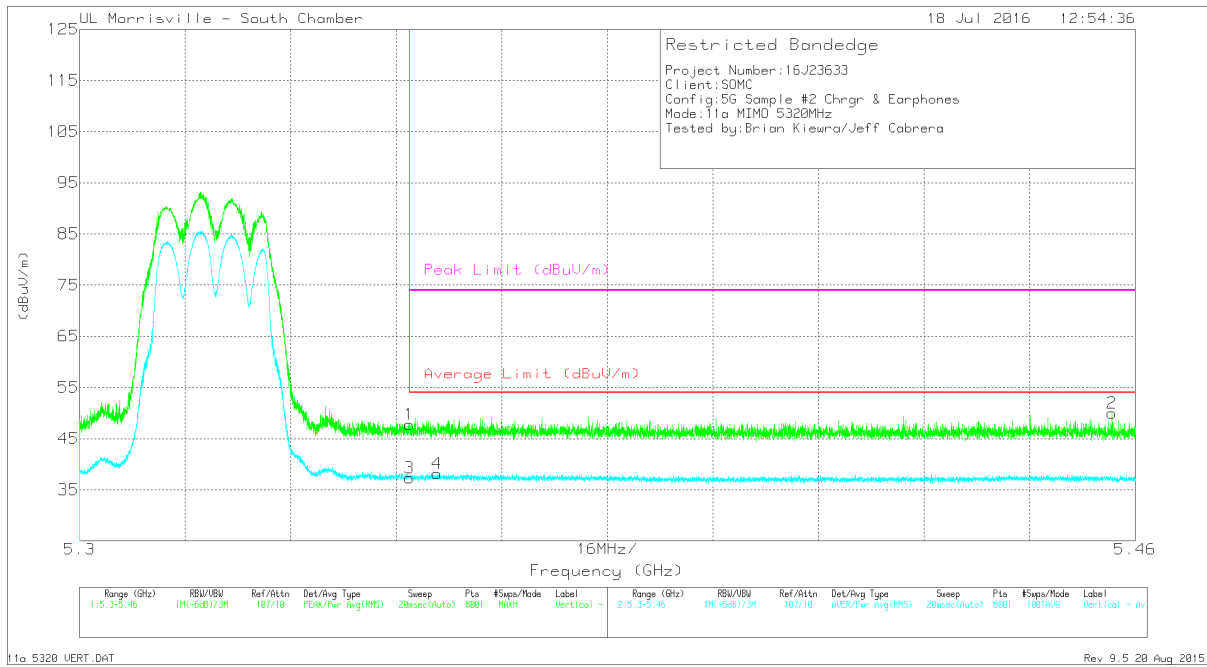
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF AT0069 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.35	40.35	Pk	34.4	-23.5	0	51.25	-	-	74	-22.75	313	110	H
2	* 5.373	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

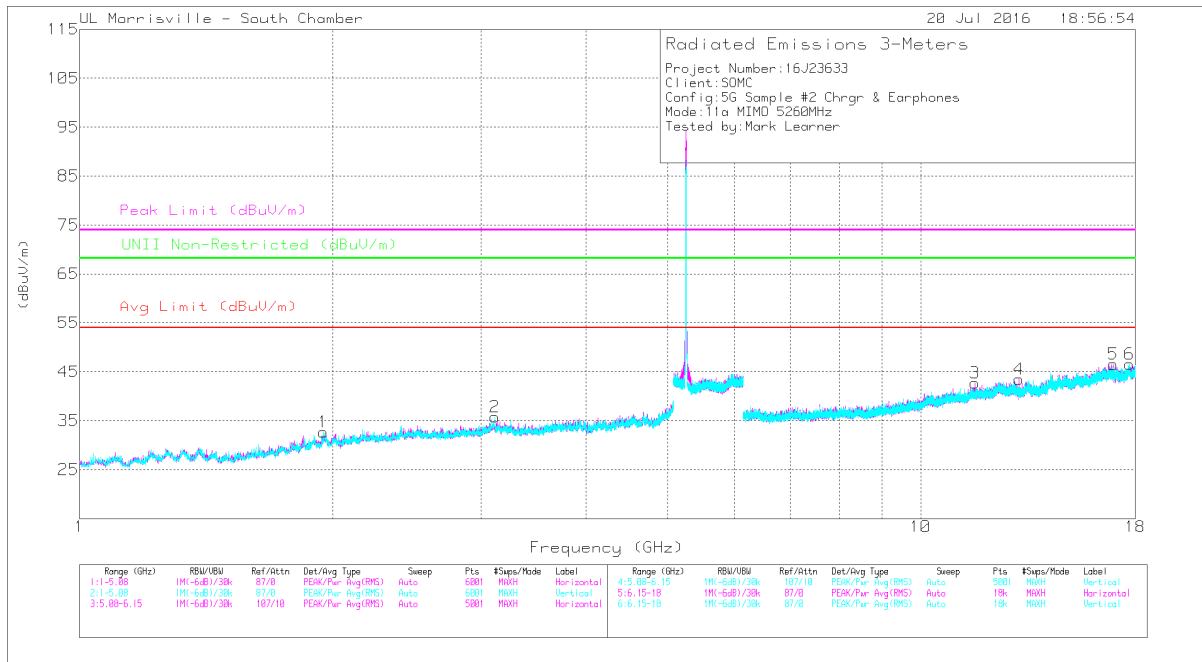
Pk - Peak detector

RMS - RMS detection

Radiated Emissions

**HARMONICS AND SPURIOUS EMISSIONS**

**LOW CHANNEL PLOT**

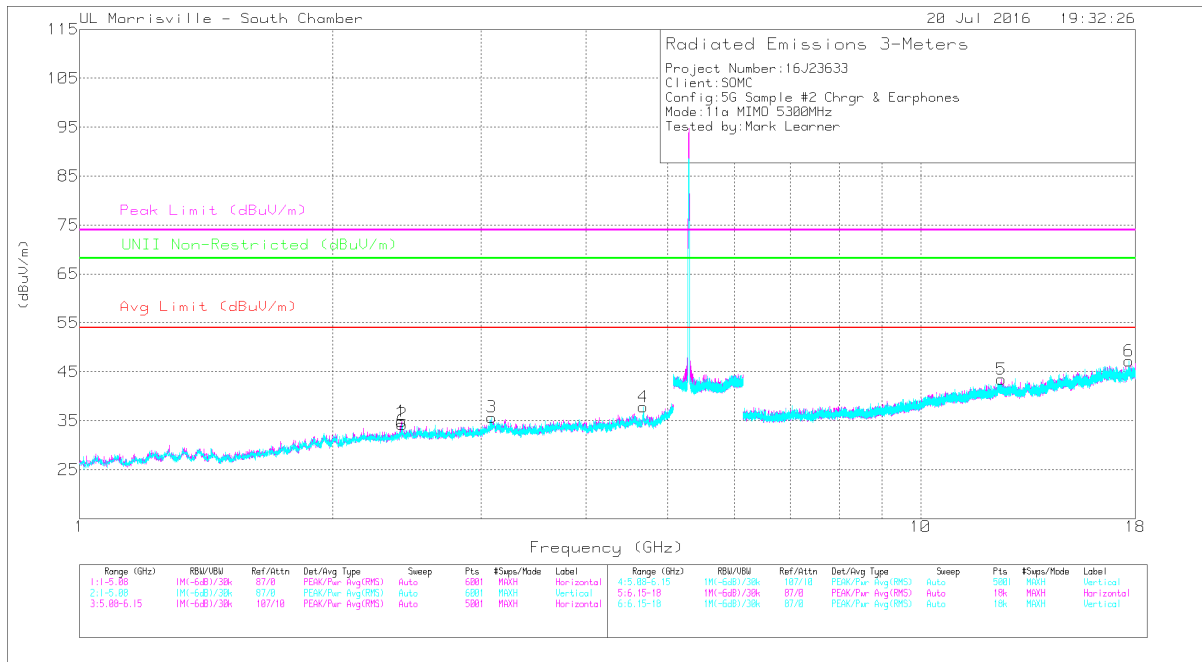


**Trace Markers**

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

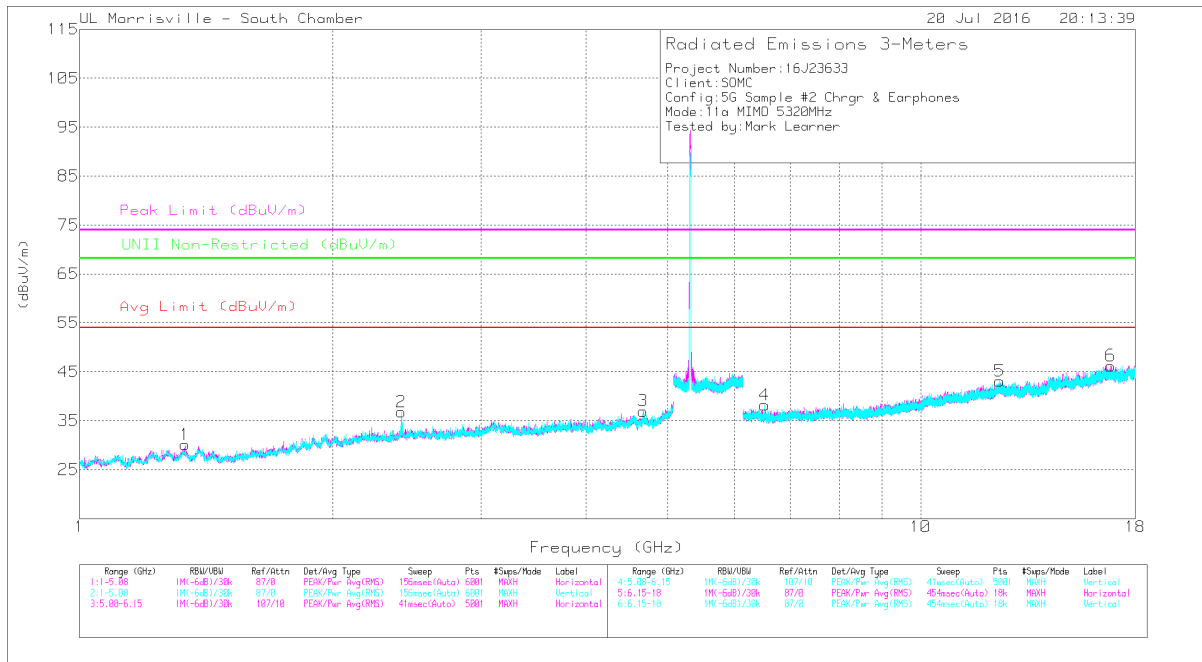
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

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

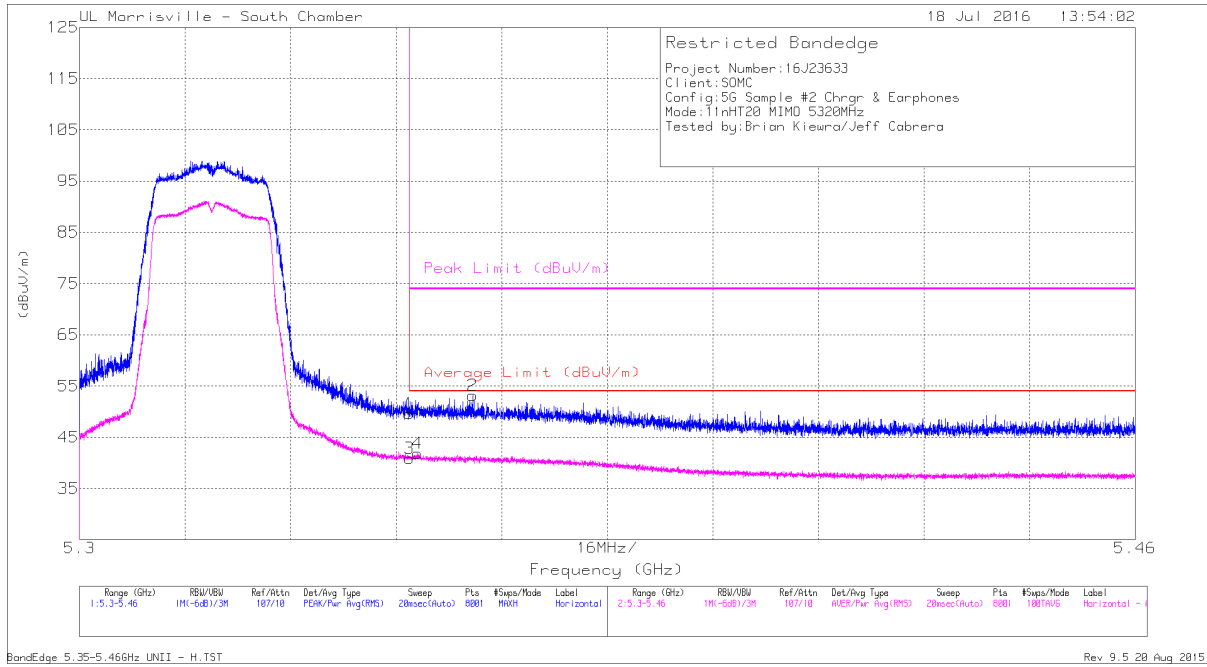
PK-U - U-NII: Maximum Peak

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

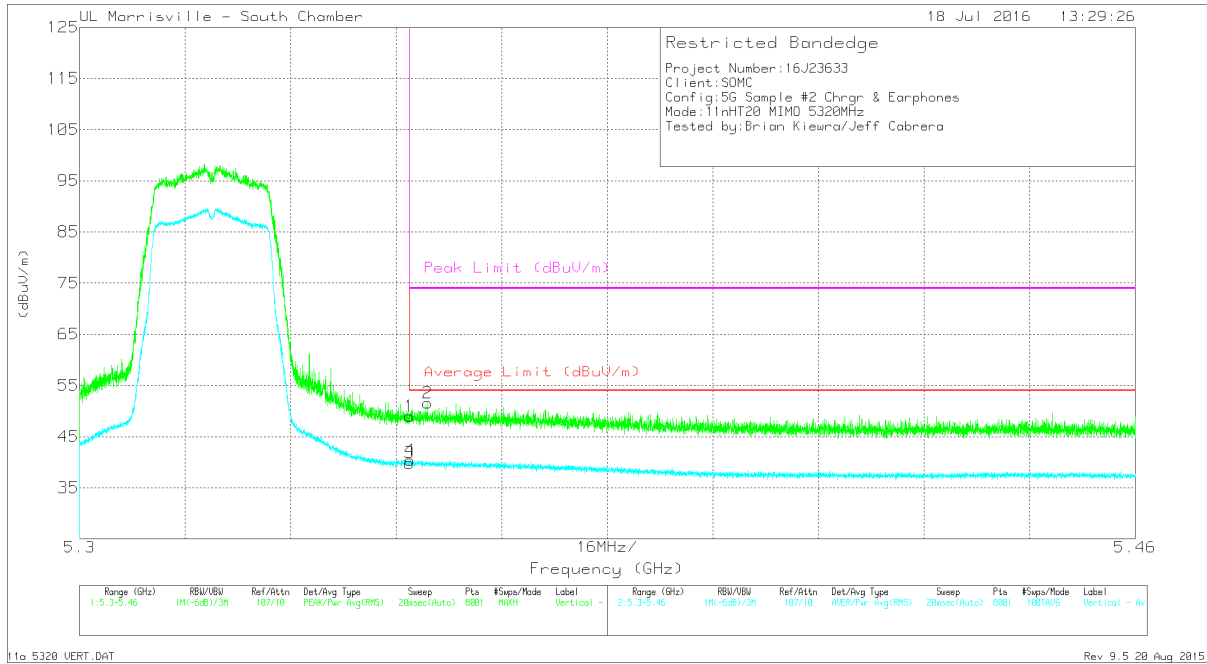
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF AT0069 (dB/m)	Amp/Cbl/Fltr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.35	38.69	Pk	34.4	-23.5	0	49.59	-	-	74	-24.41	331	344	H
2	* 5.36	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

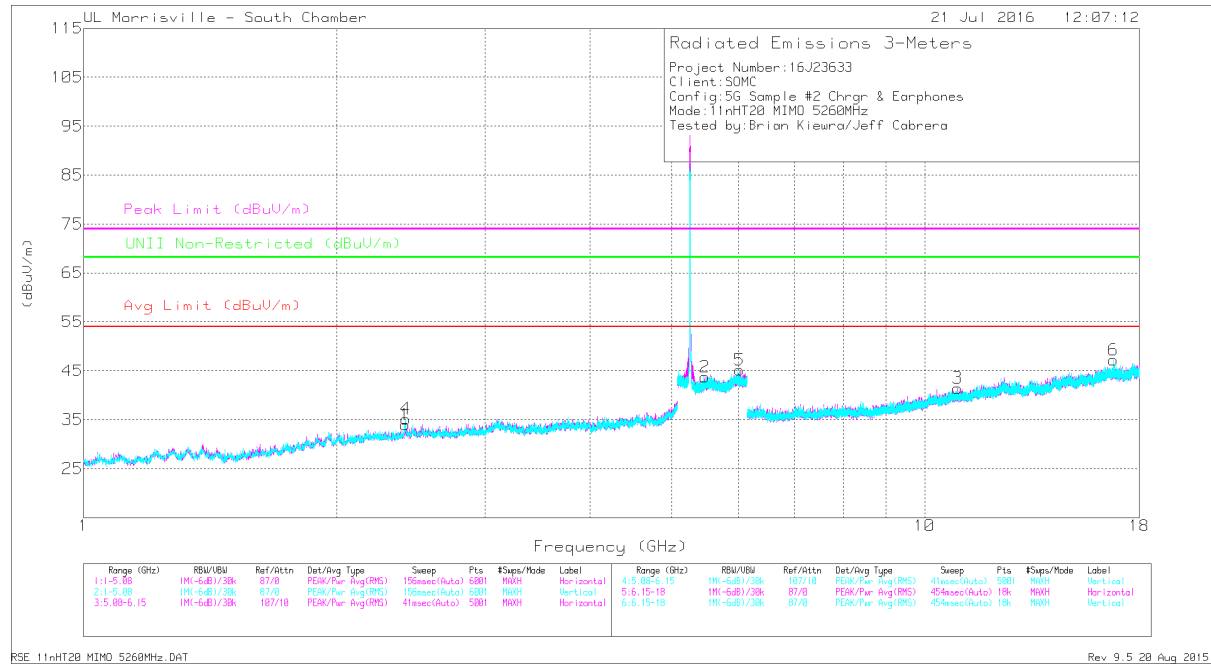
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

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	2.412	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**

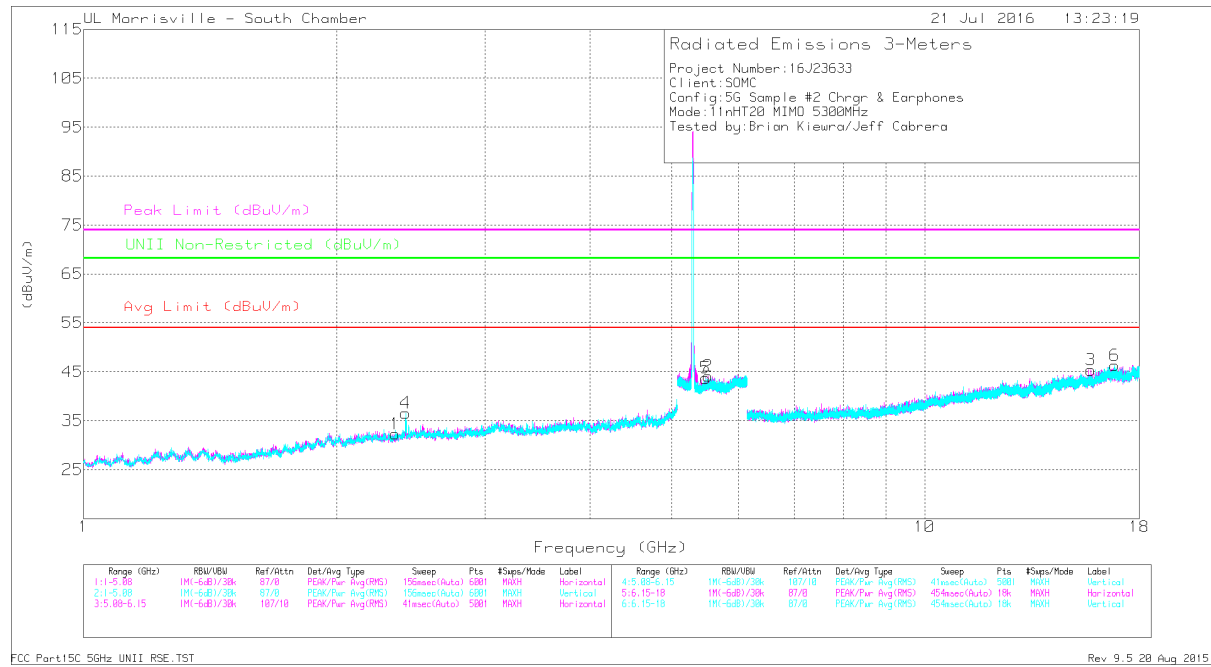
Frequency (GHz)	Meter Reading (dBuV)	Det	AF AT0069 (dB/m)	Amp/Ch/Fit/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Asmuth (Deg)	Height (cm)	Polarity
* 10.944	35.39	PK-U	38	-25.9	0	47.49	-	-	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

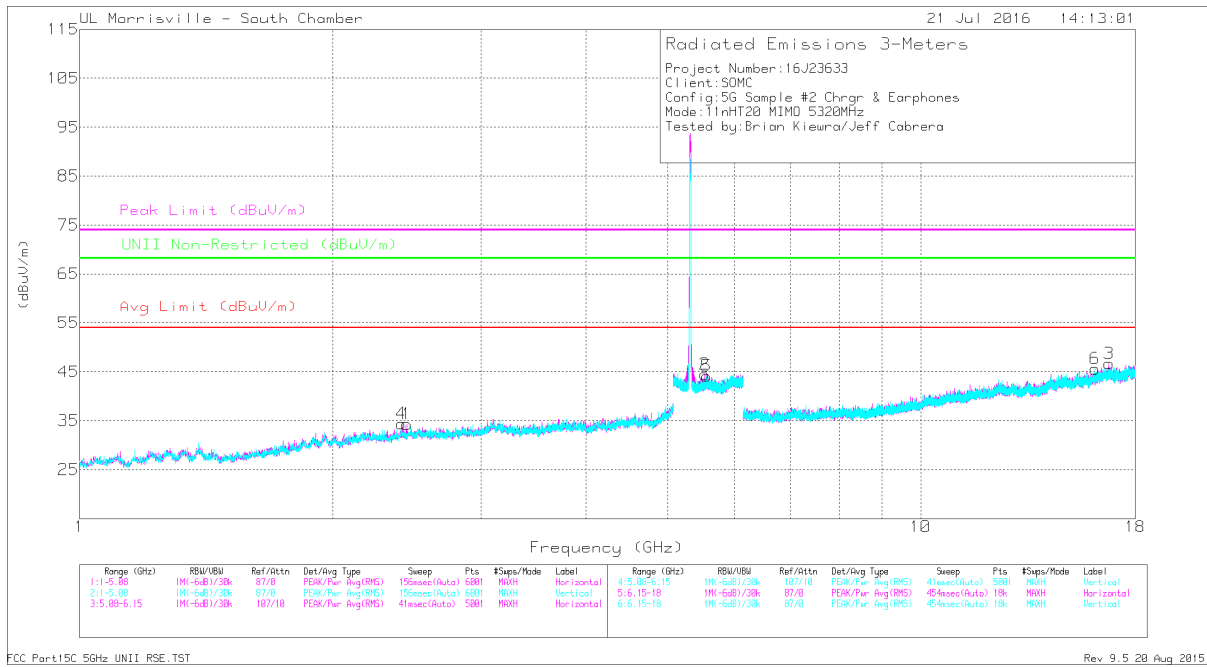
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF AT0069 (dB/m)	Amp/Cbl/ Ftr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.346	42.04	PK-U	31.8	-34.6	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



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/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

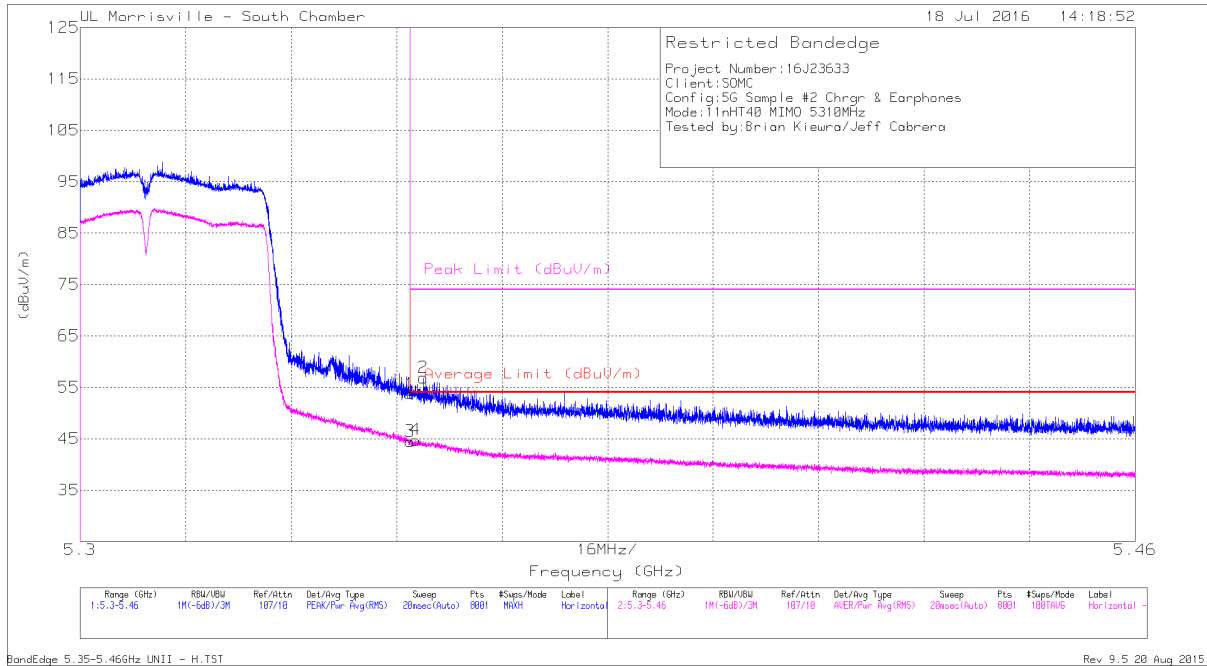
PK-U - U-NII: Maximum Peak

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

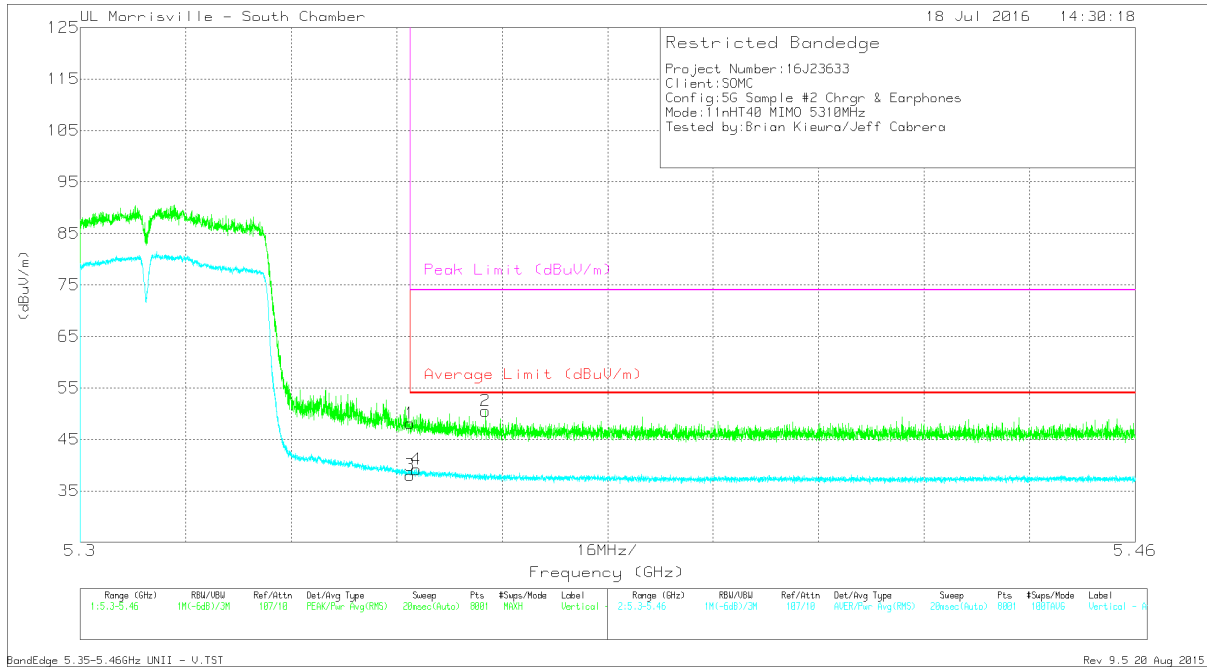
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF AT0069 (dB/m)	Amp/Cbl /Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.35	42.82	Pk	34.4	-23.5	0	53.72	-	-	74	-20.28	322	100	H
2	* 5.352	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

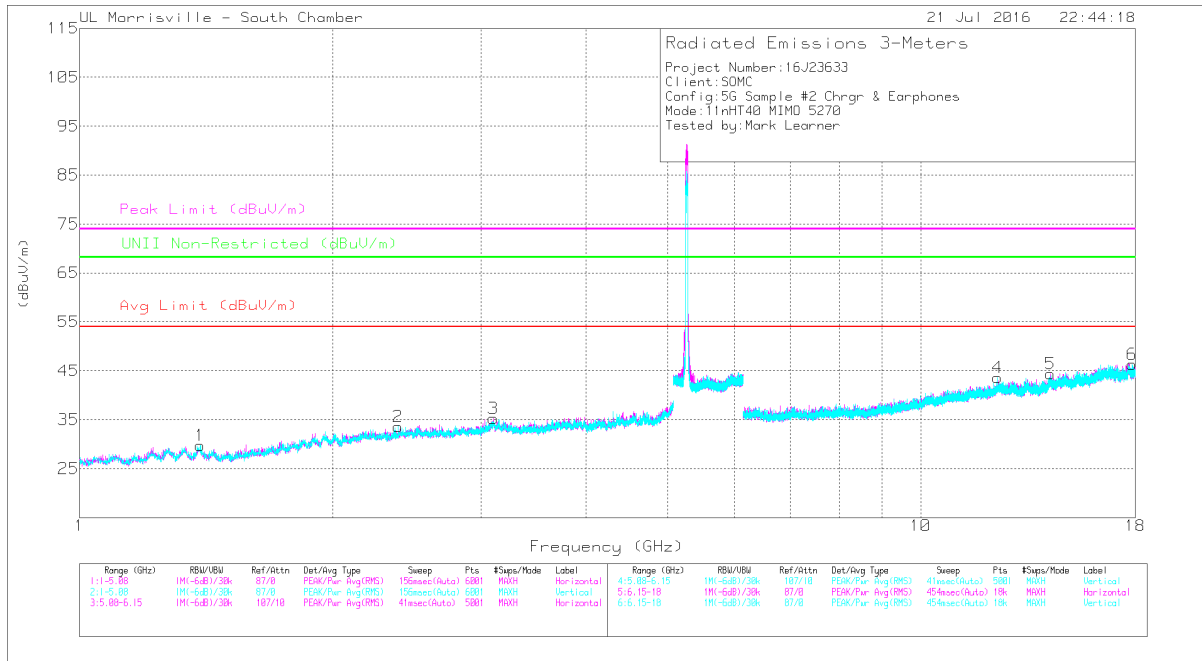
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection



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

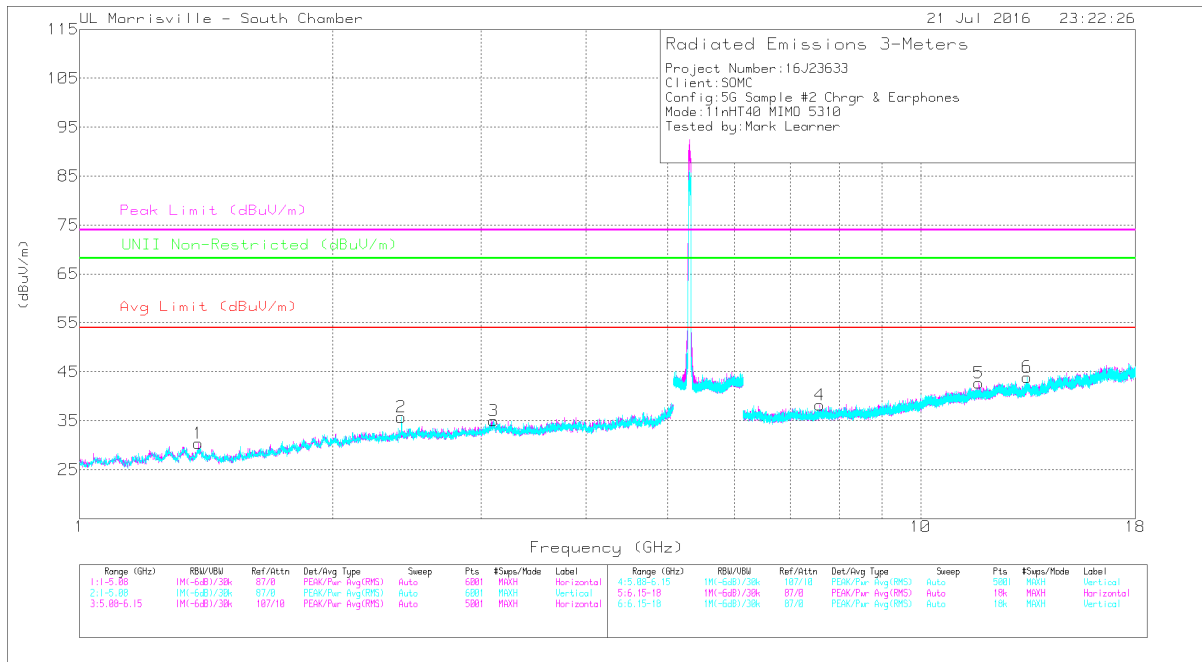


**Trace Markers**

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

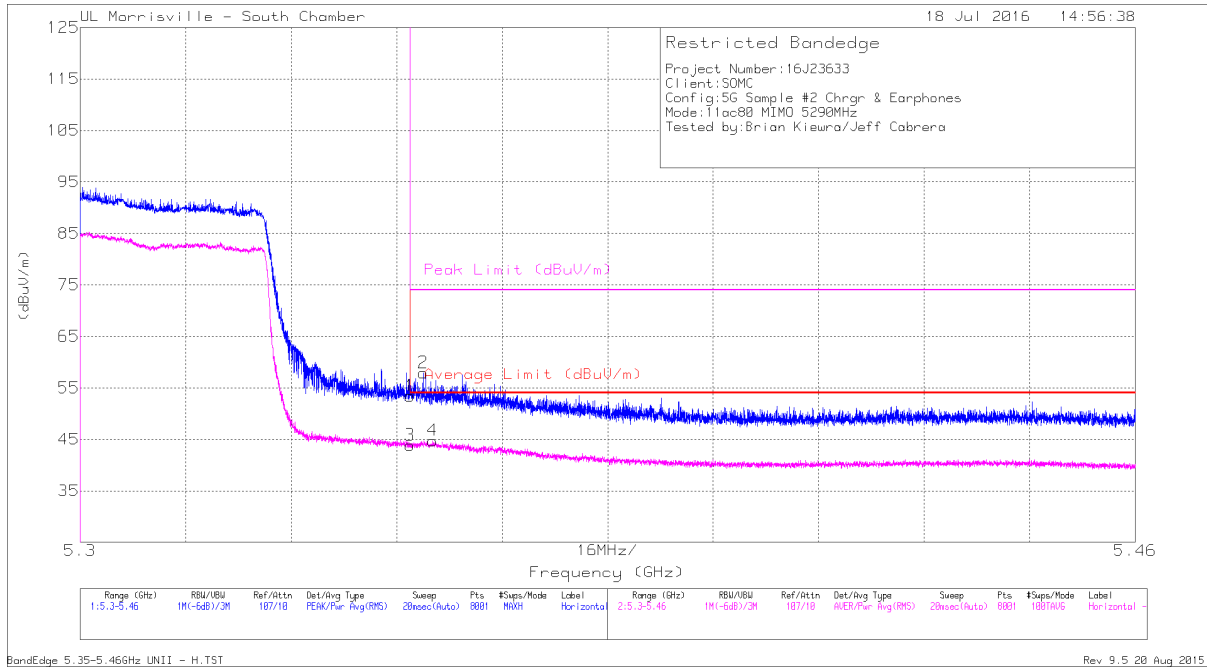
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF AT0069 (dB/m)	Amp/Cou/Filt/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.385	43.5	PK-U	28.8	-35.2	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

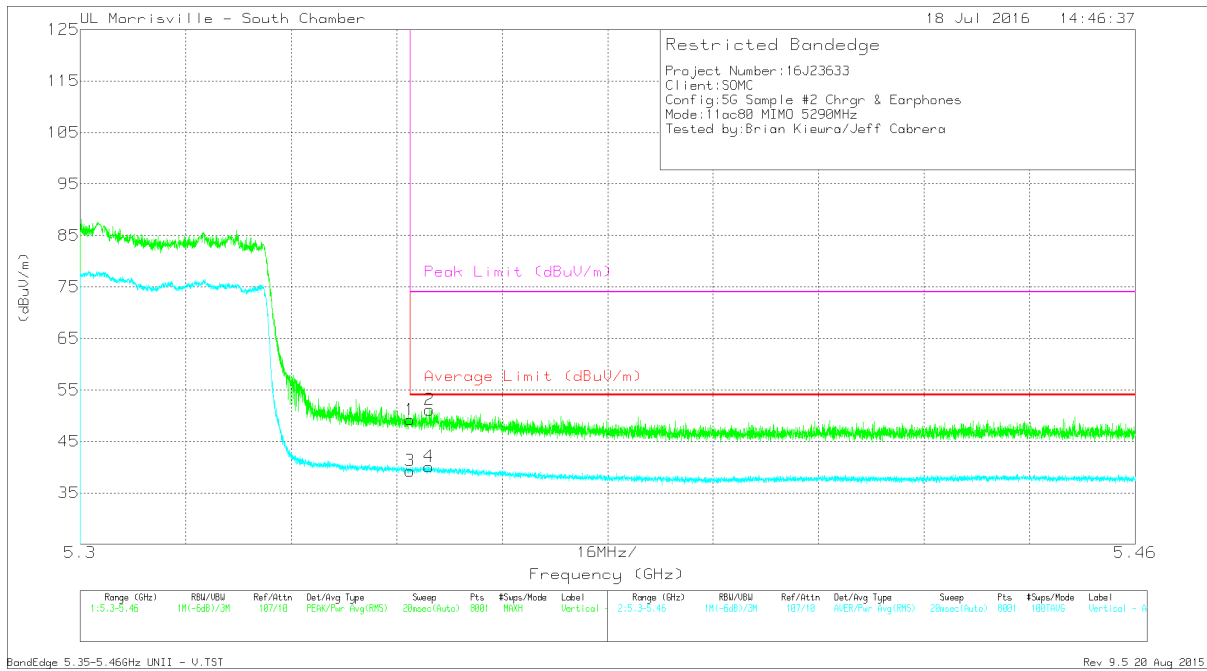
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF AT0069 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.35	42.56	Pk	34.4	-23.5	0	53.46	-	-	74	-20.54	323	106	H
2	* 5.352	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

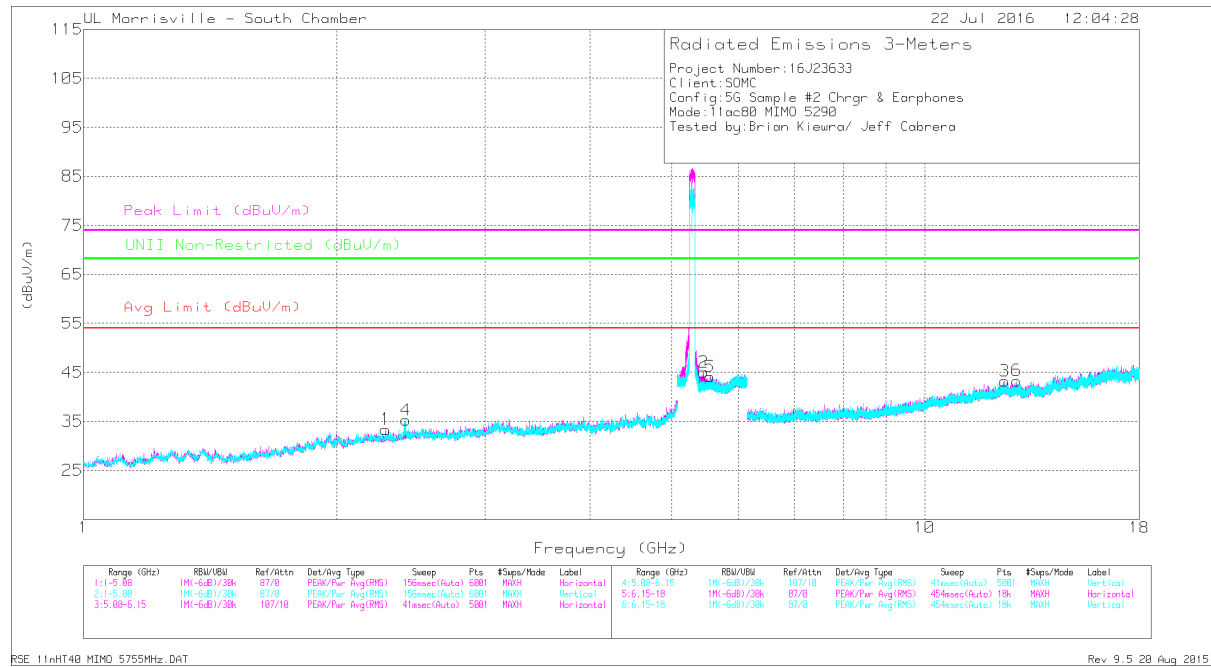
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

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

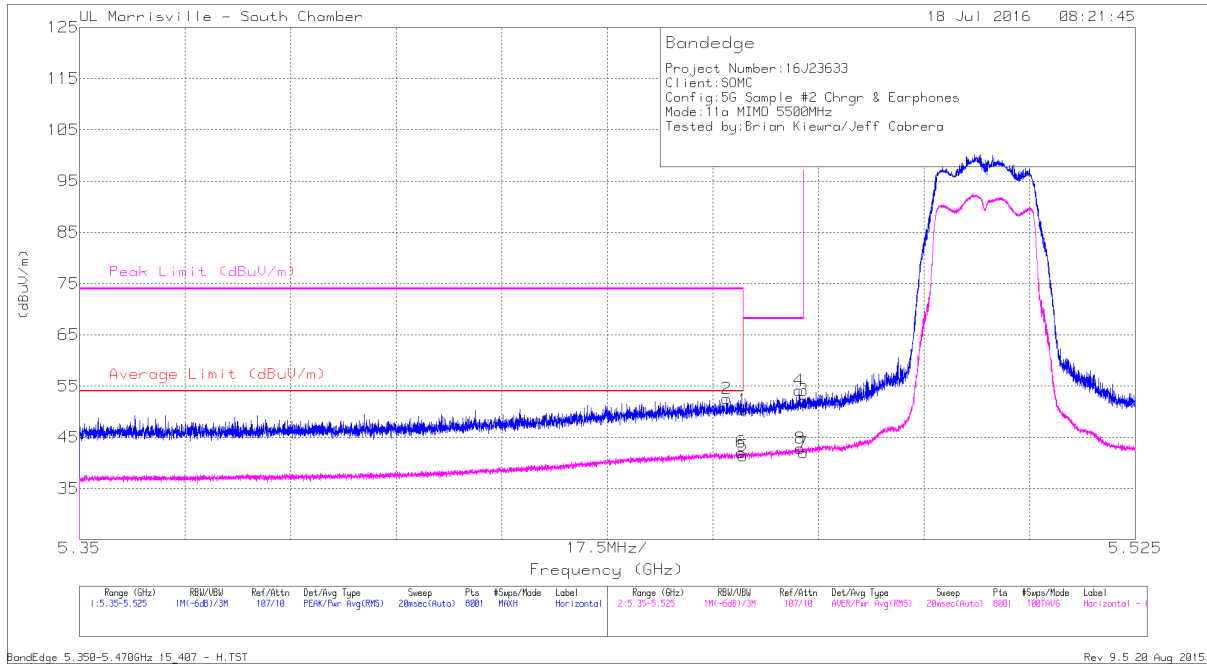
PK-U - U-NII: Maximum Peak

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

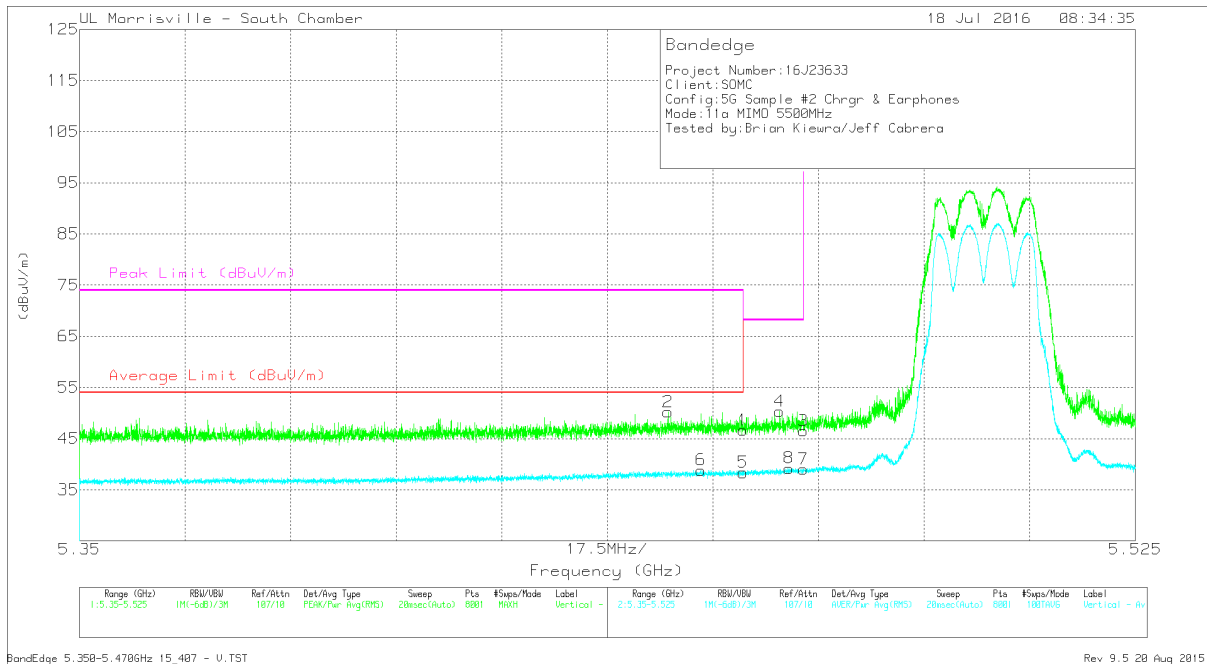
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF AT0069 (dB/m)	Amp/Cbl /Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.46	39.67	Pk	34.6	-23.9	0	50.37	-	-	74	-23.63	313	111	H
2	* 5.457	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

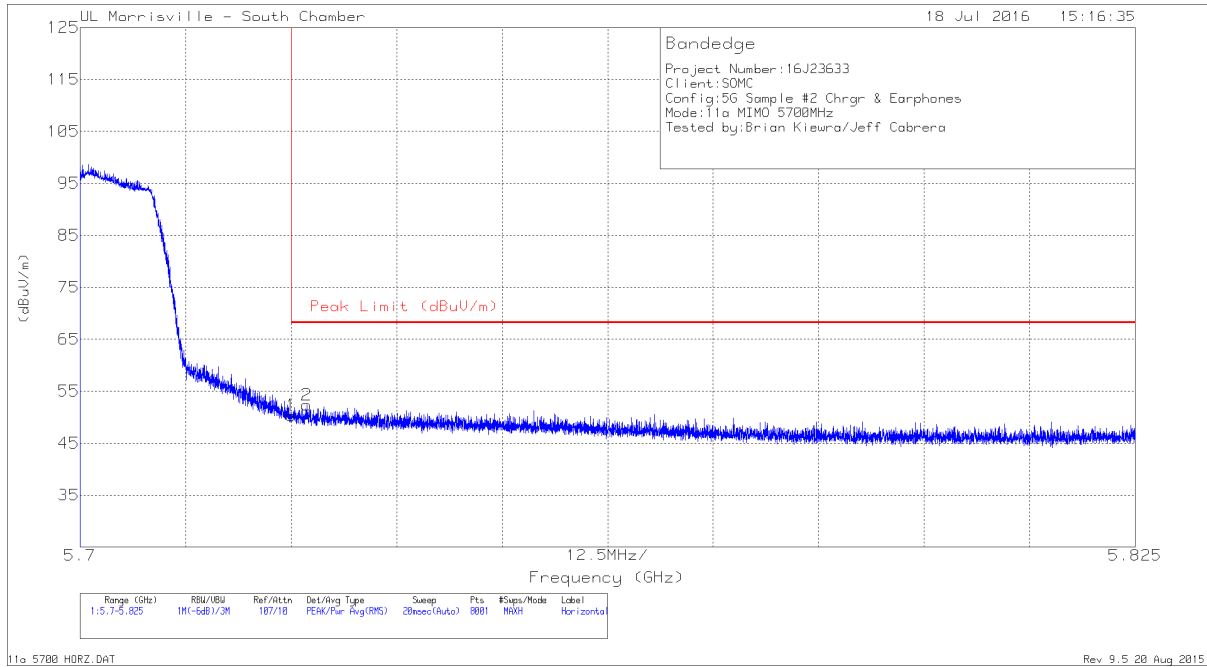
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

**AUTHORIZED BANDEDGE (HIGH CHANNEL)**

**HIGH CHANNEL BANDEDGE, HORIZONTAL**



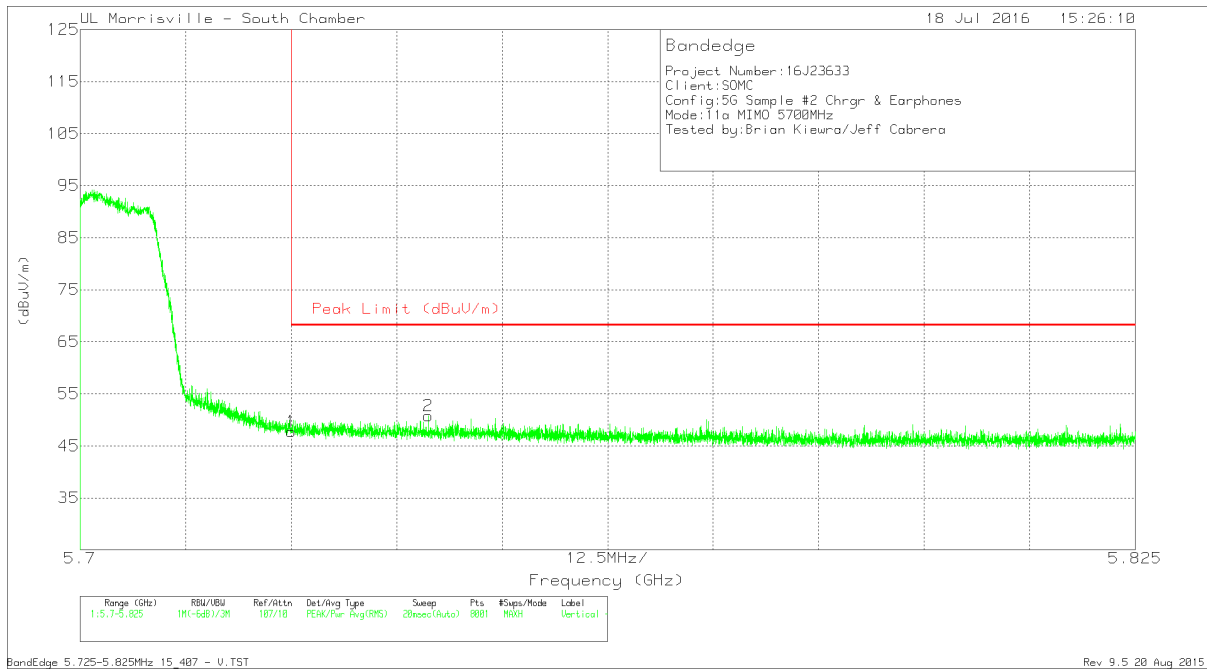
**Trace Markers**

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



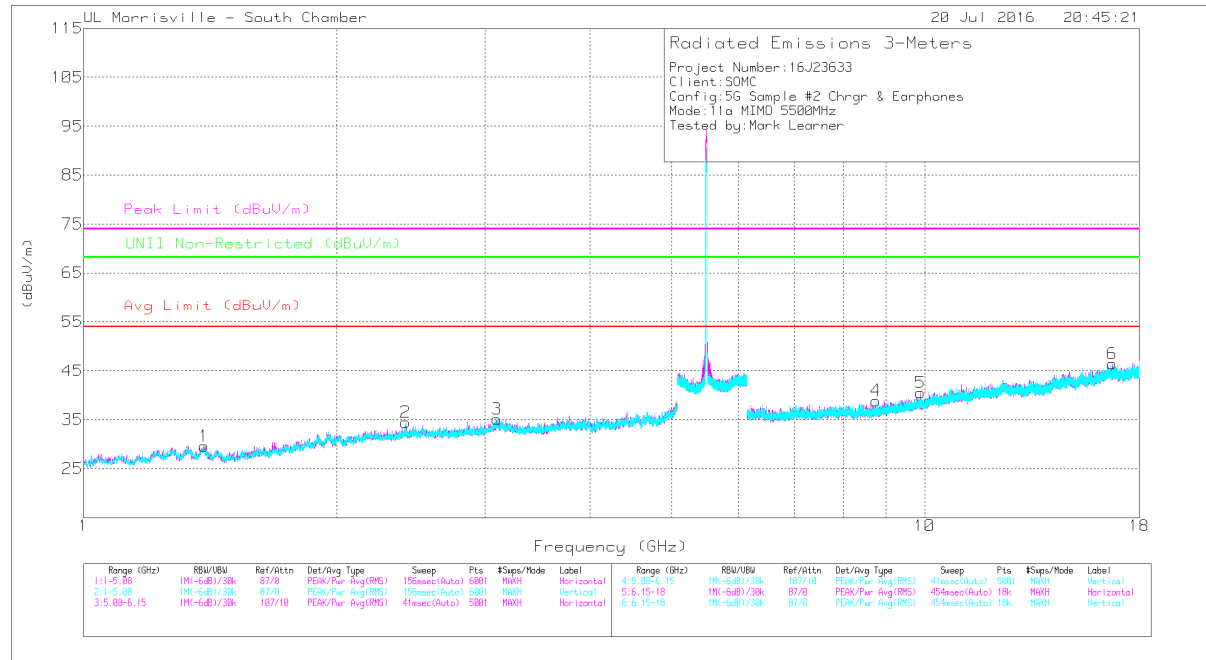
Trace Markers

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**

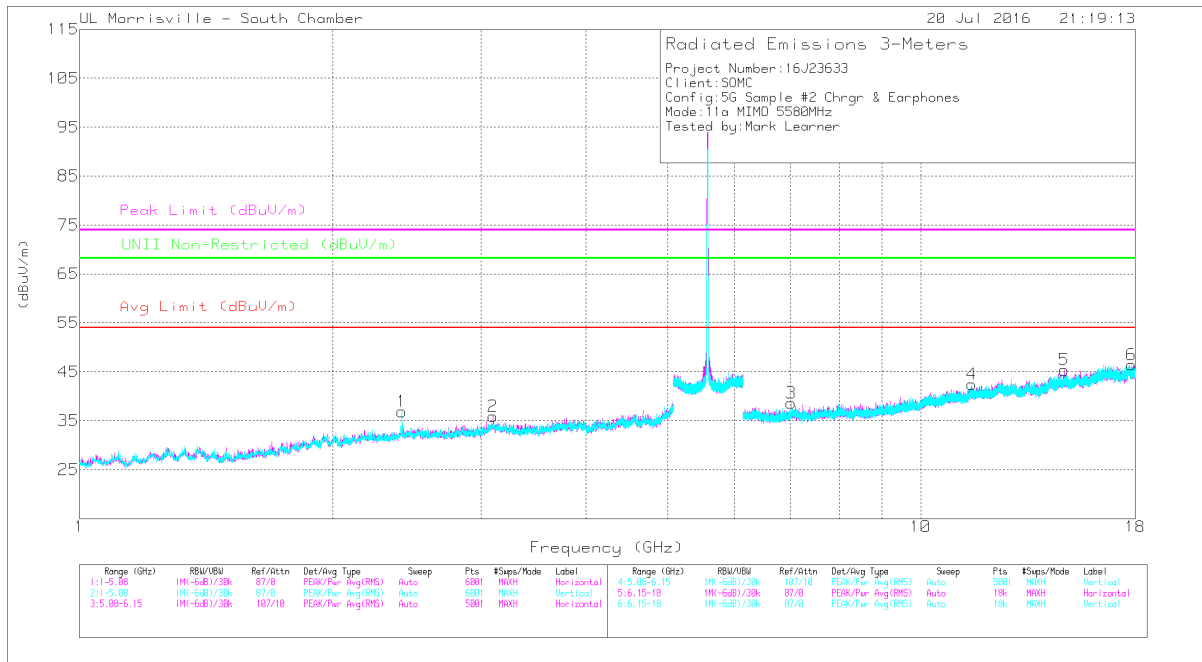
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF AT0069 (dB/m)	Amp/Cbl/Fltr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.389	42.31	PK-U	28.8	-35.2	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

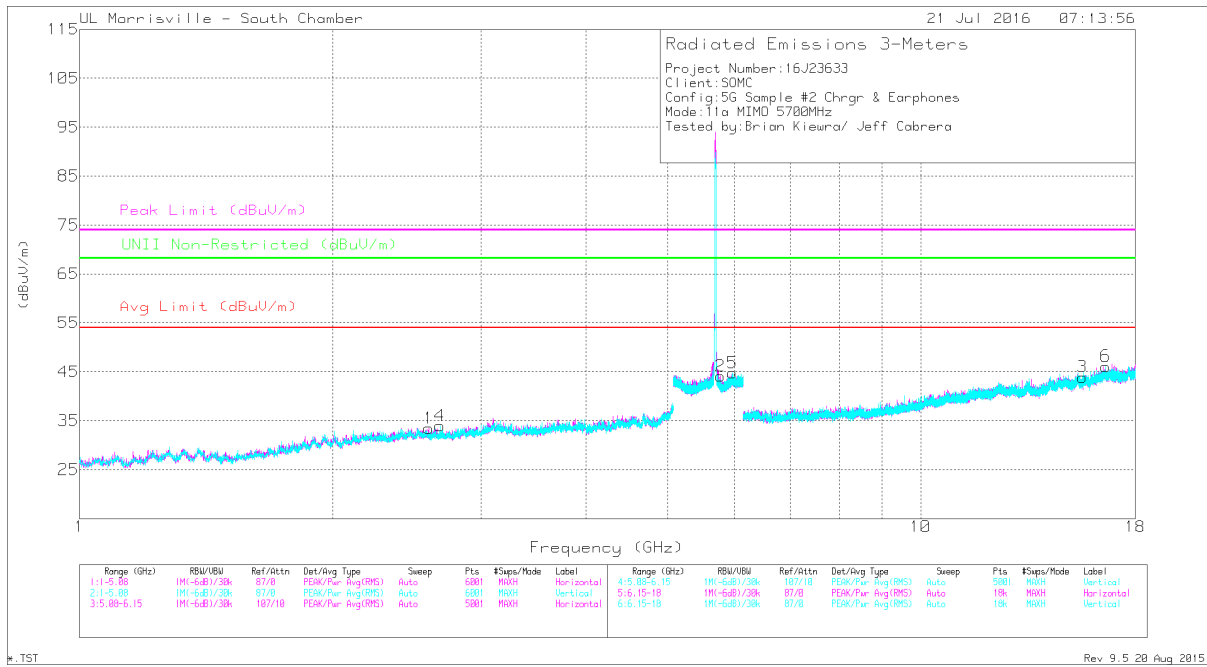
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF AT0069 (dB/m)	Amp/Cbl/Fltr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
4	* 11.51	34.36	PK-U	38.4	-25.4	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

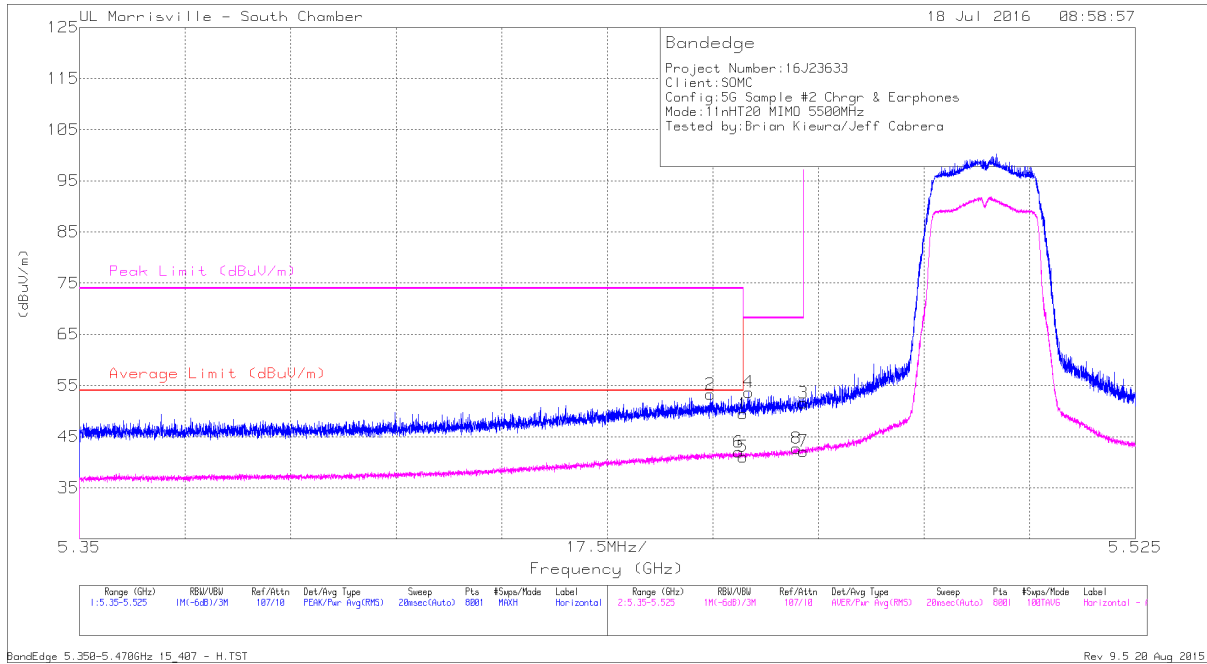
PK-U - U-NII: Maximum Peak

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**

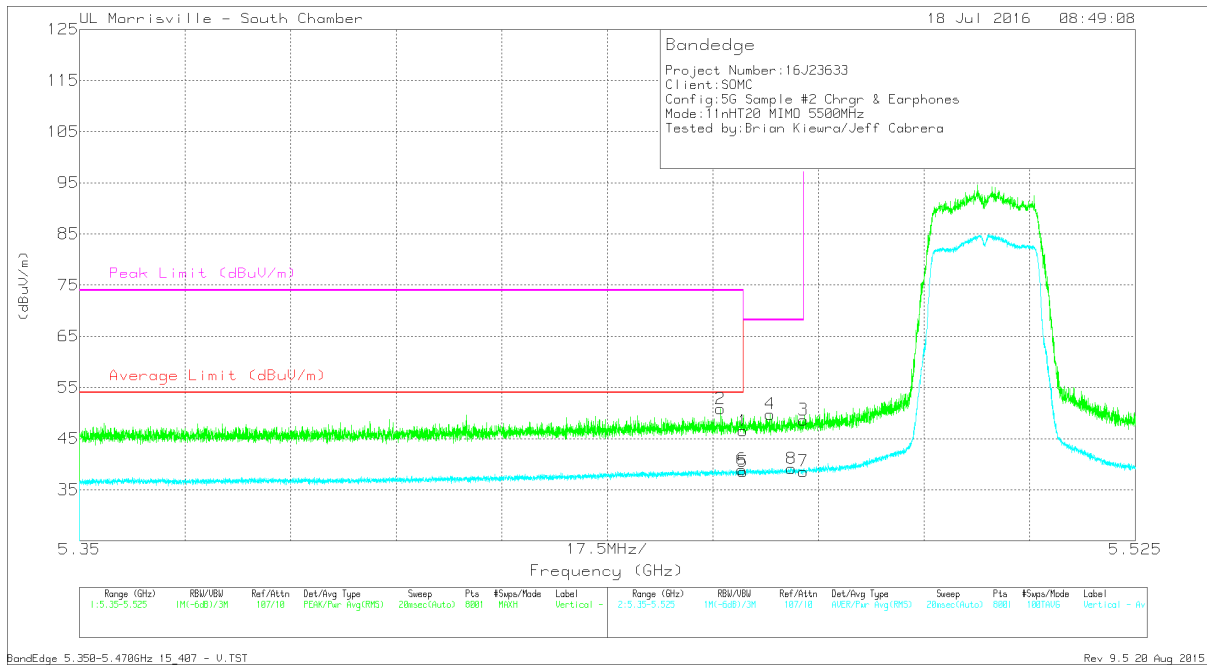
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF AT0069 (dB/m)	Amp/Cbl/ Ftr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.46	38.79	Pk	34.6	-23.9	0	49.49	-	-	74	-24.51	308	107	H
2	* 5.455	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



BandEdge 5.358-5.4706Hz 15.407 - U.TST

Rev 9.5 28 Aug 2015

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

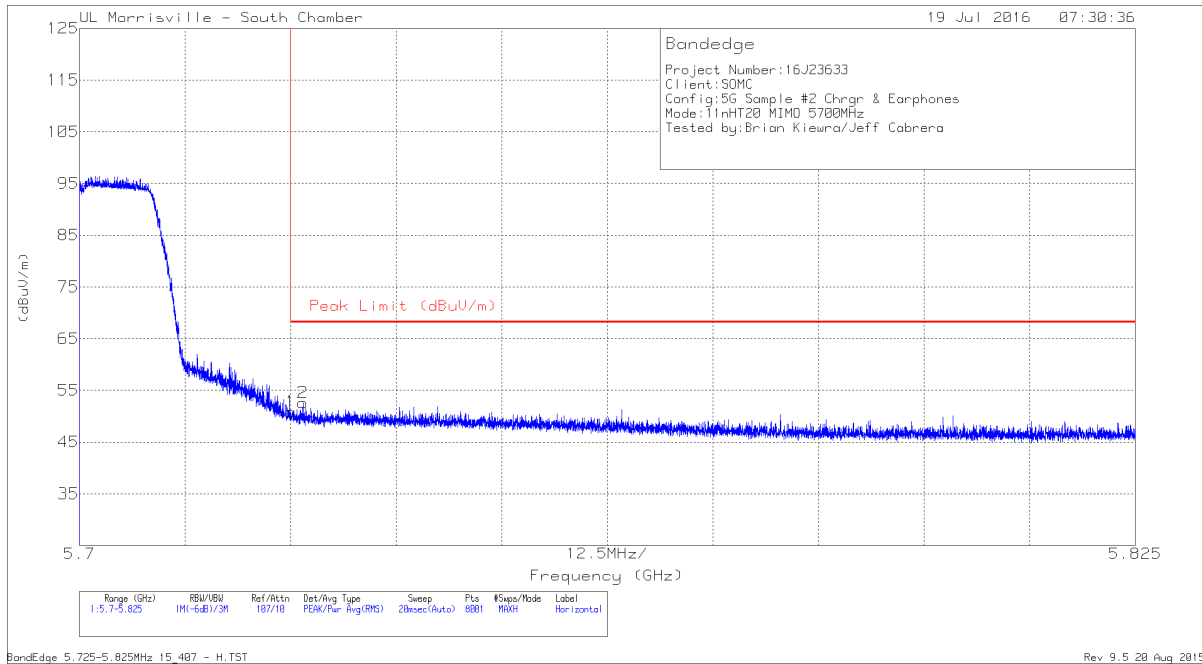
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

**AUTHORIZED BANDEDGE (HIGH CHANNEL)**

**HIGH CHANNEL BANDEDGE, HORIZONTAL**

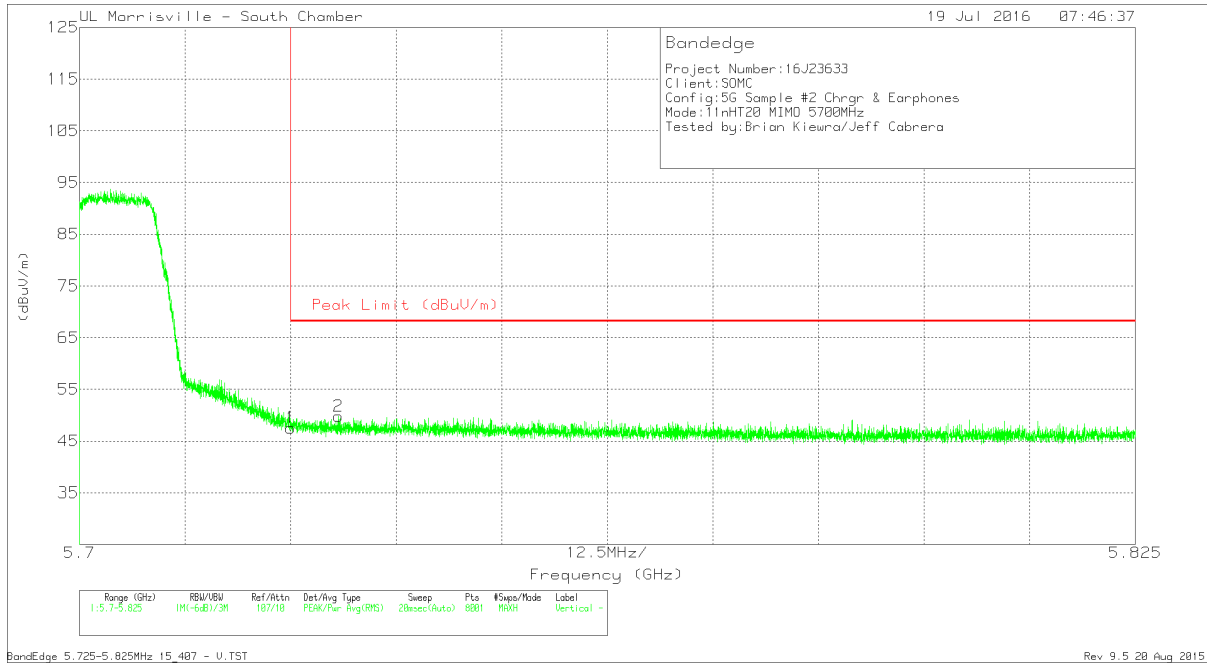


**Trace Markers**

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



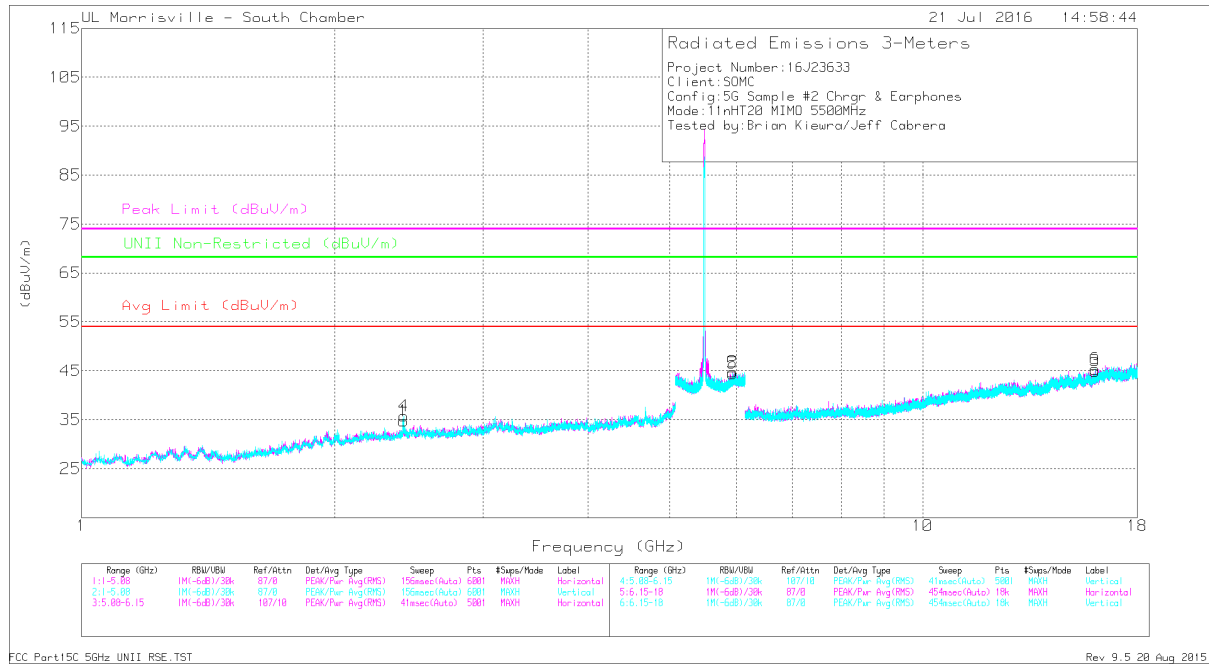
Trace Markers

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**

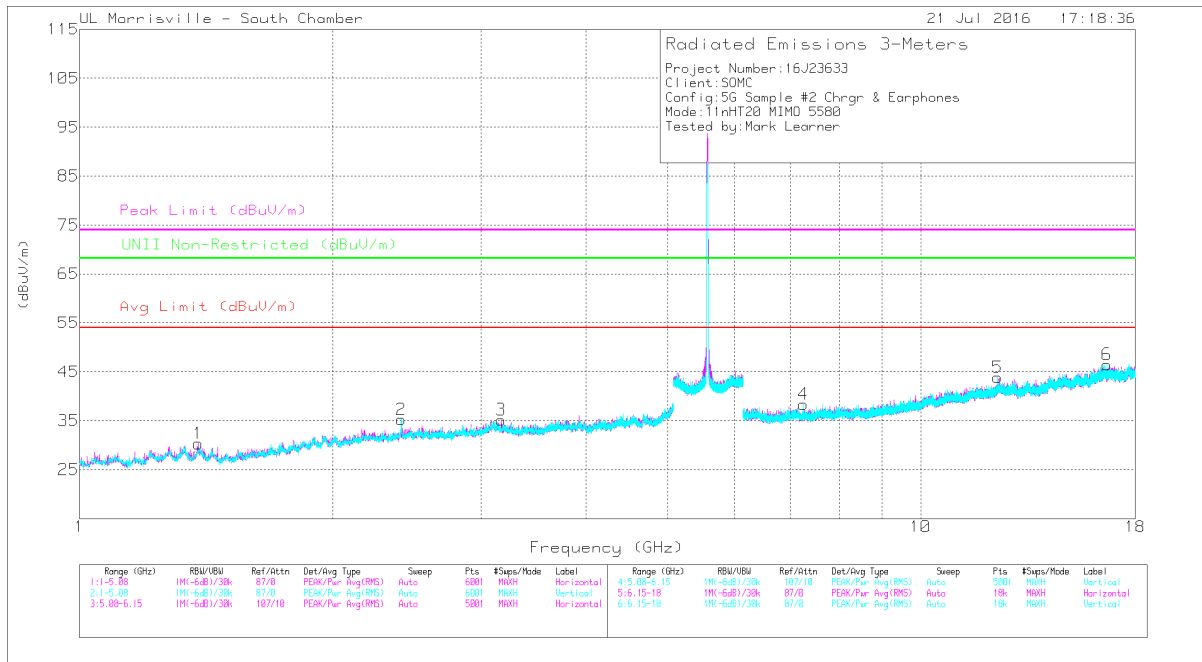
Frequency (GHz)	Meter Reading (dBuV)	Det	AF AT0069 (dB/m)	Amp/CM/Ftr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Altitude (Degs)	Height (cm)	Polarity
*16.041	35.53	PK-U	40.6	-25.4	0	50.73	-	-	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

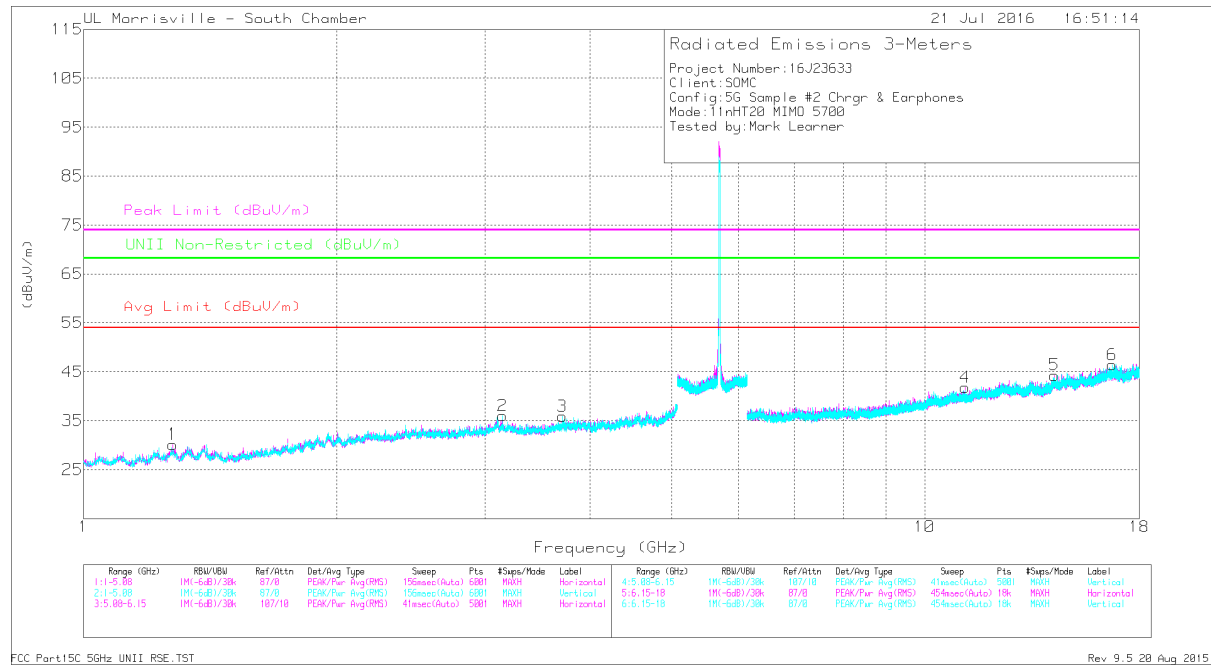
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF AT0069 (dB/m)	Amp/Cou/Filt/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.384	42.48	PK-U	28.8	-35.2	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

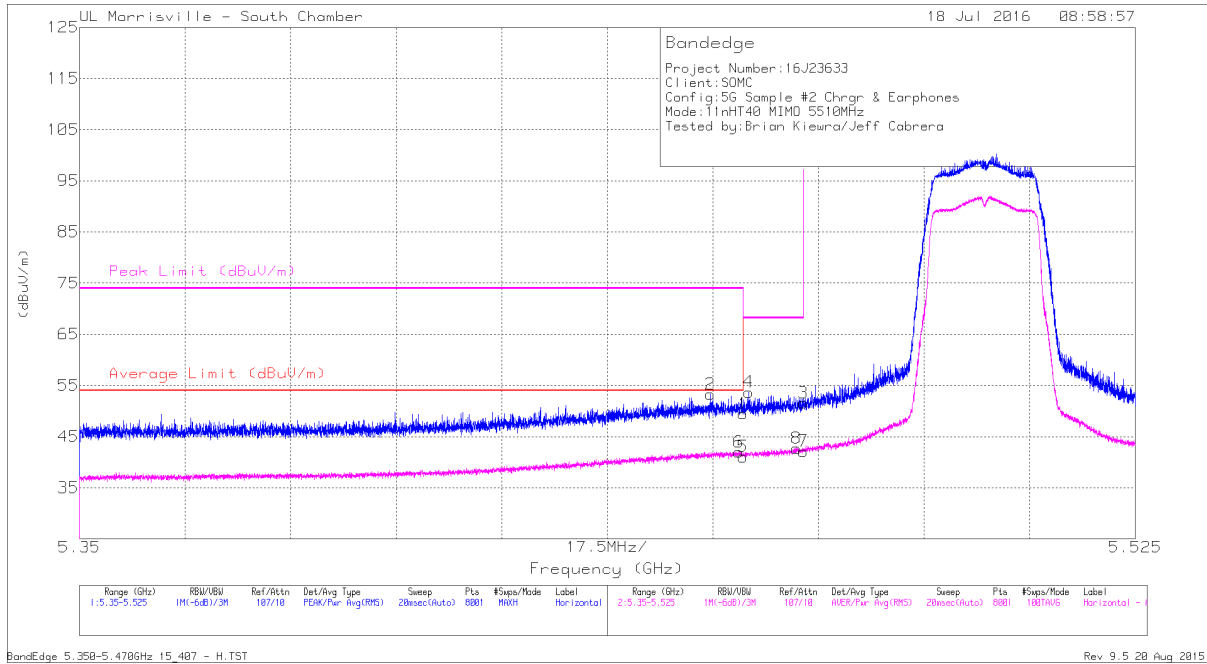
FCC Part15C 5GHz UNII RSE.TST

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**

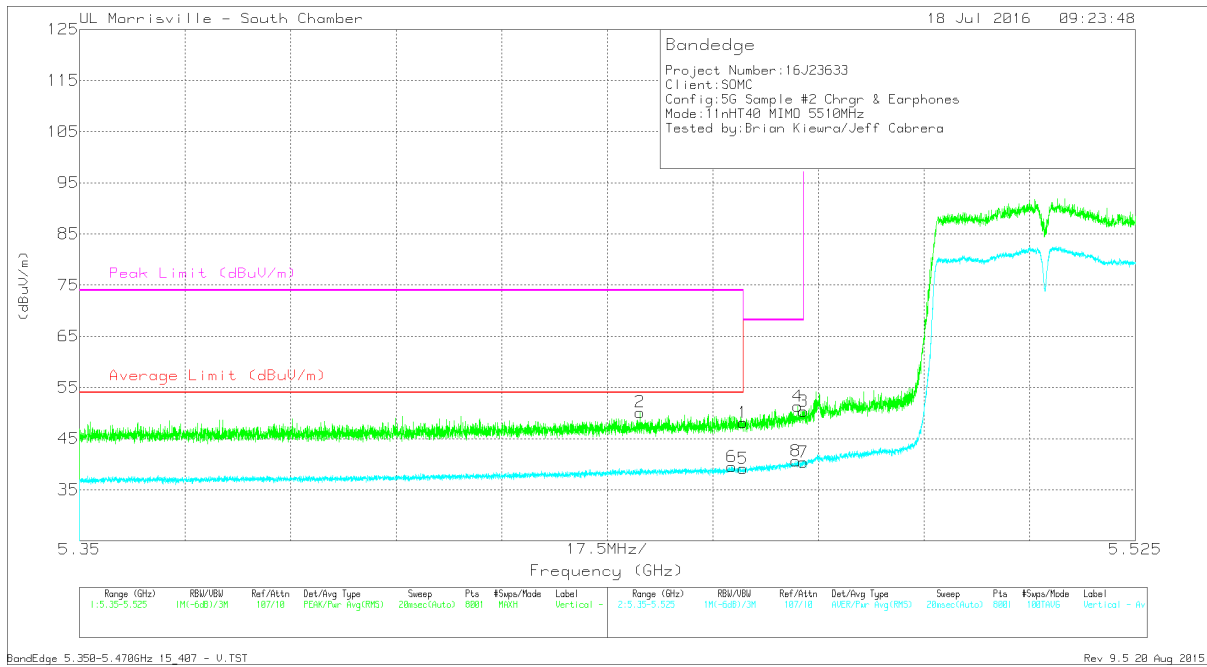
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF AT0069 (dB/m)	Amp/Cbl/Fltr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.46	38.79	Pk	34.6	-23.9	0	49.49	-	-	74	-24.51	308	107	H
2	* 5.455	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

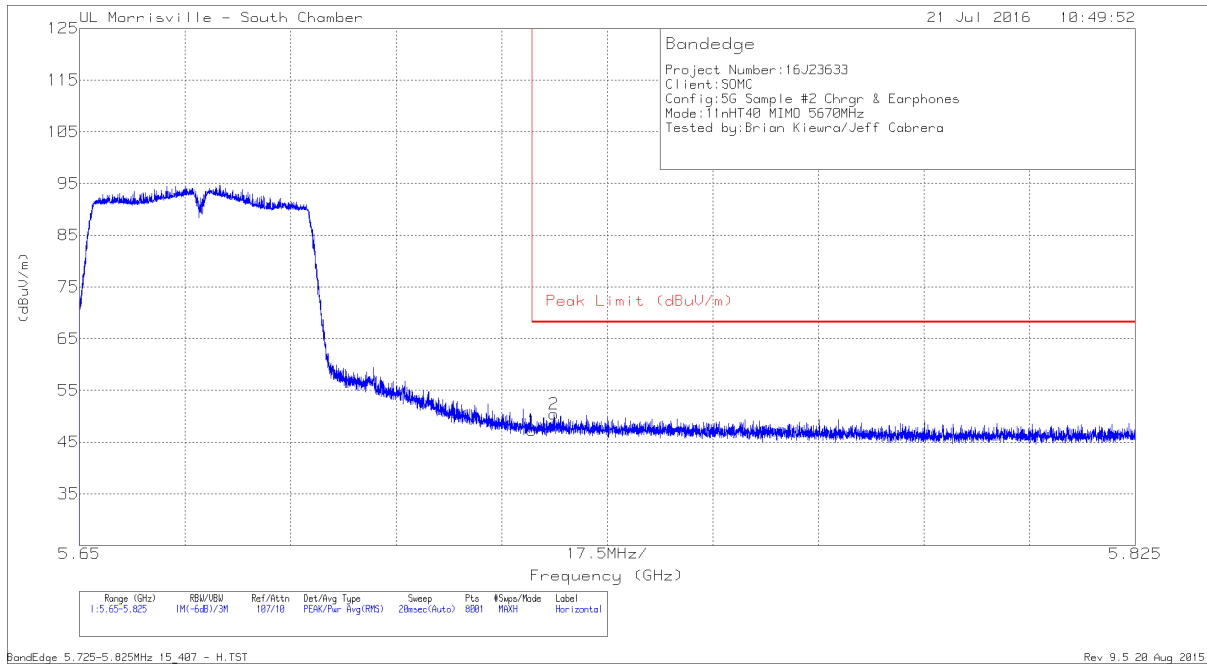
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

**AUTHORIZED BANDEDGE (HIGH CHANNEL)**

**HIGH CHANNEL BANDEDGE, HORIZONTAL**

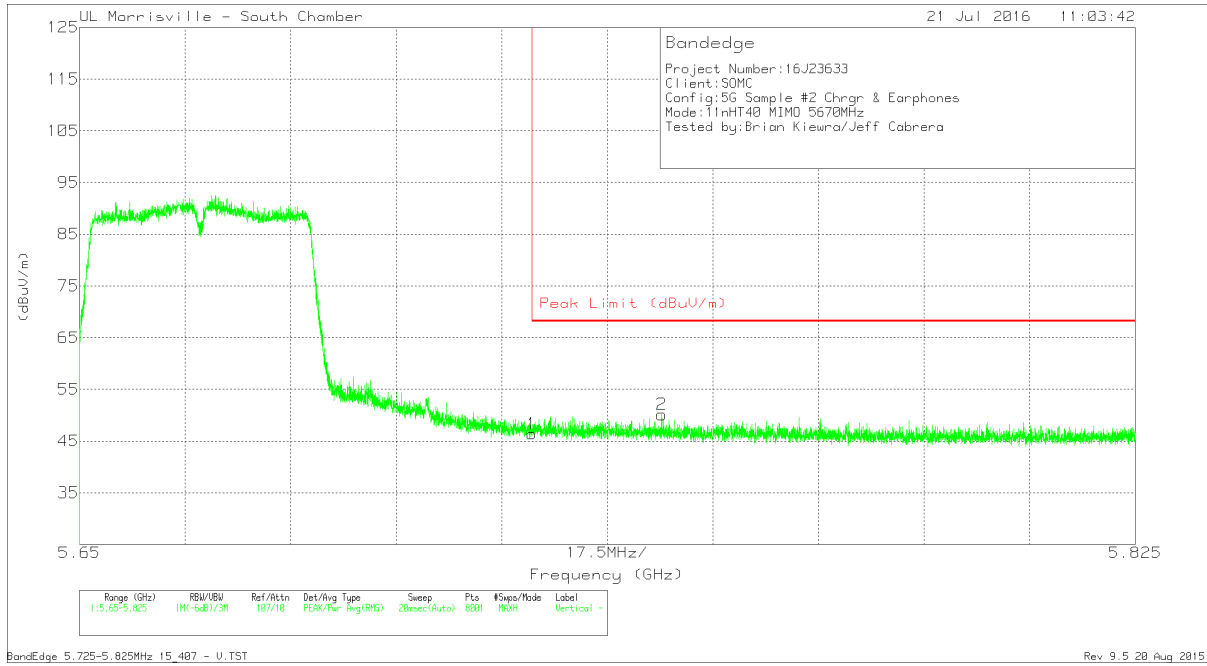


**Trace Markers**

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

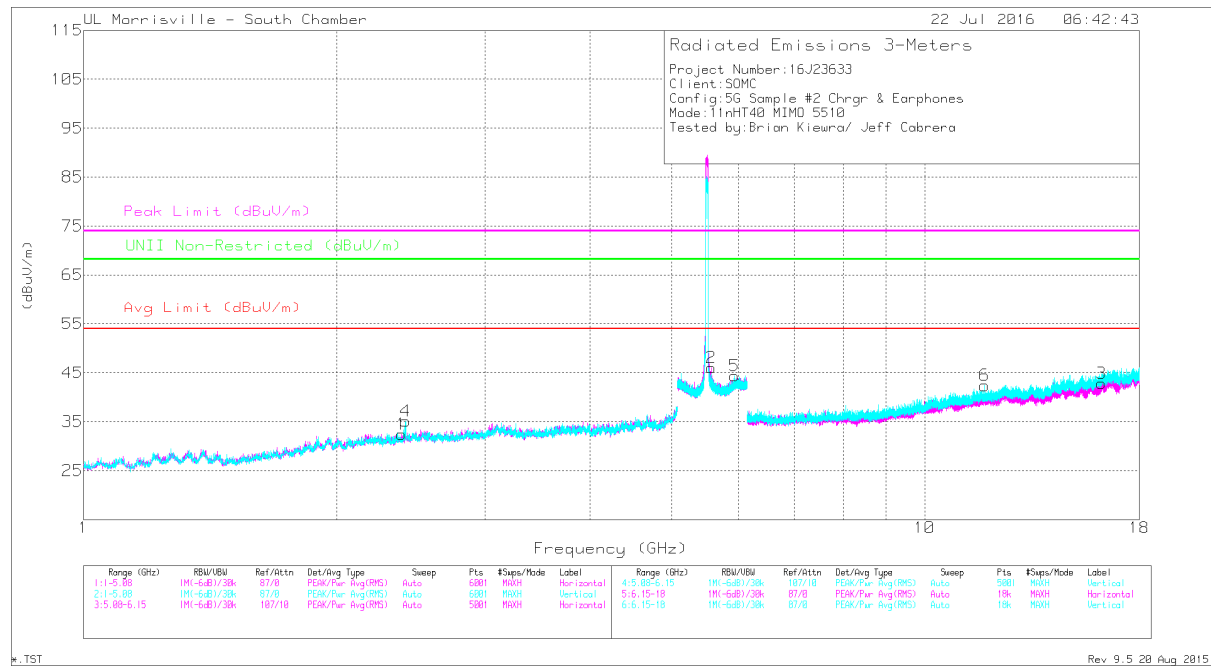


Trace Markers

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

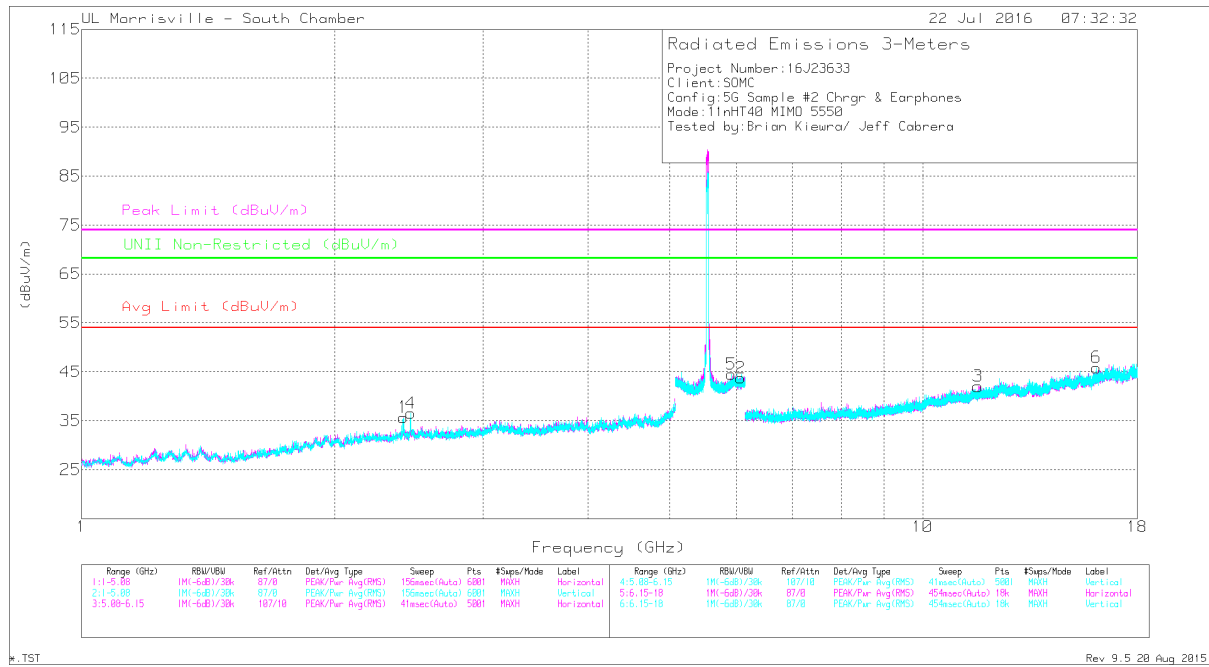
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

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 (Degs)	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

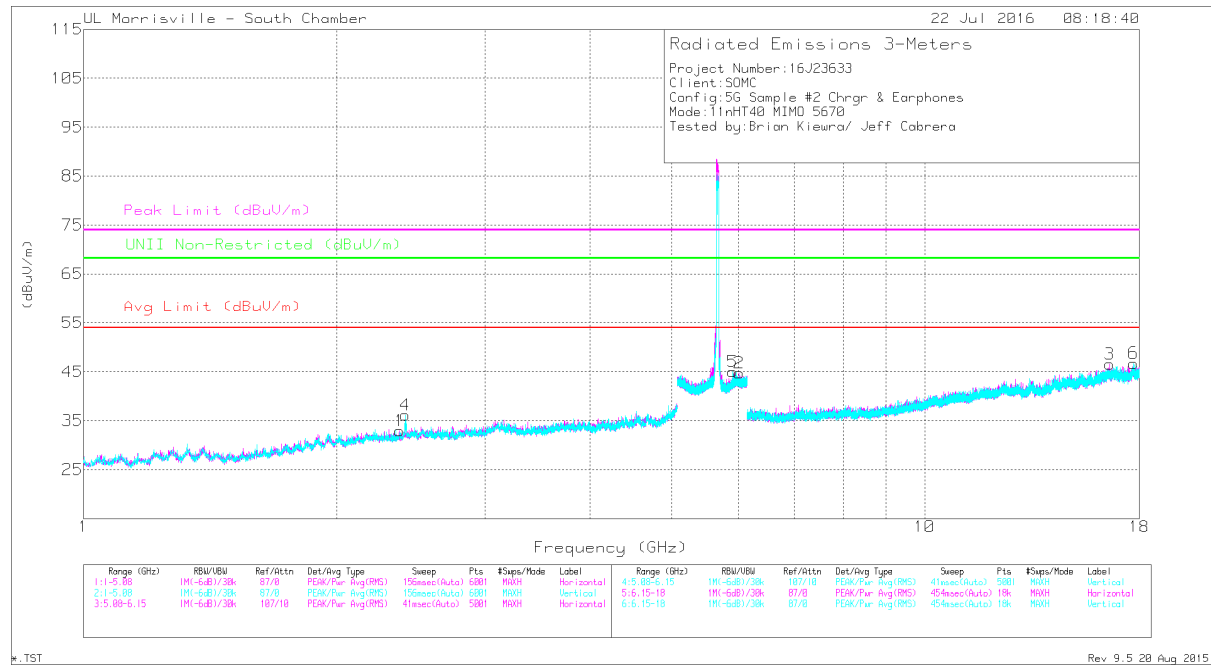
Frequency (GHz)	Meter Reading (dBuV)	Det	AF AT0069 (dB/m)	Amp/Ch/Filt/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Asimuth (Degs)	Height (cm)	Polarity
* 11.635	34.74	PK-U	38.5	-25.5	0	47.74	-	-	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 AFD069 (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 AFD069 (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

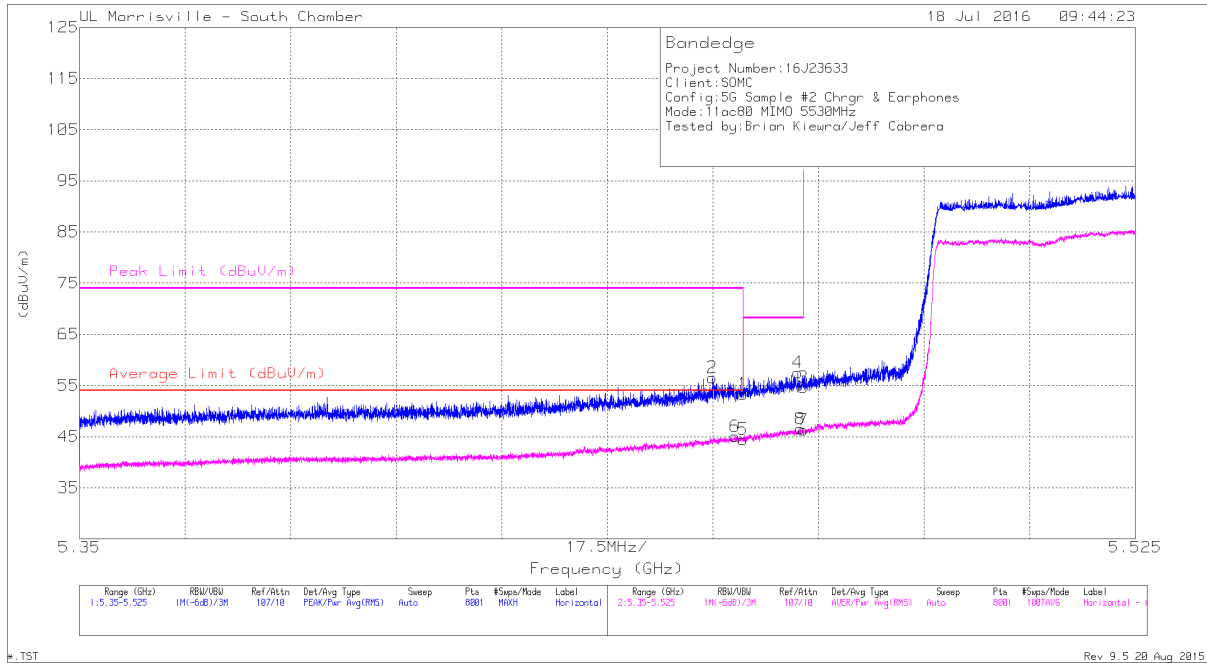
PK-U - U-NII: Maximum Peak

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**

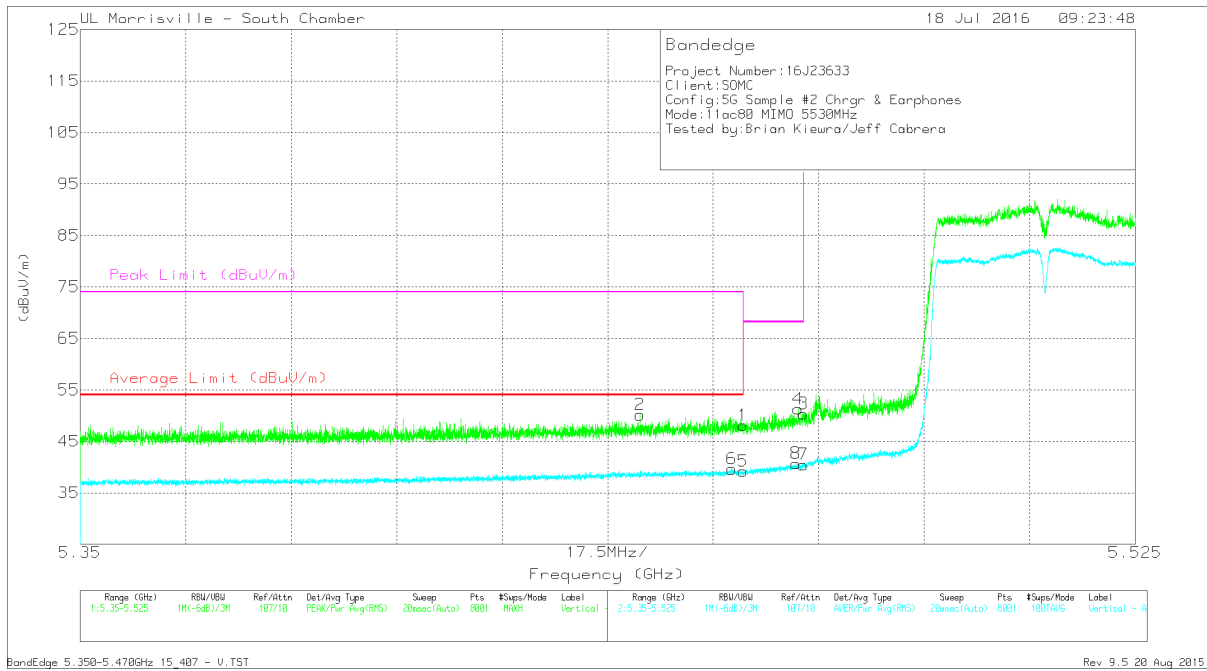
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF AT0069 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.46	42.65	Pk	34.6	-23.9	0	53.35	-	-	74	-20.65	313	109	H
2	* 5.455	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



BandEdge 5.350-5.470GHz 15.407 - U.TST

Rev 9\_5 20 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)	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

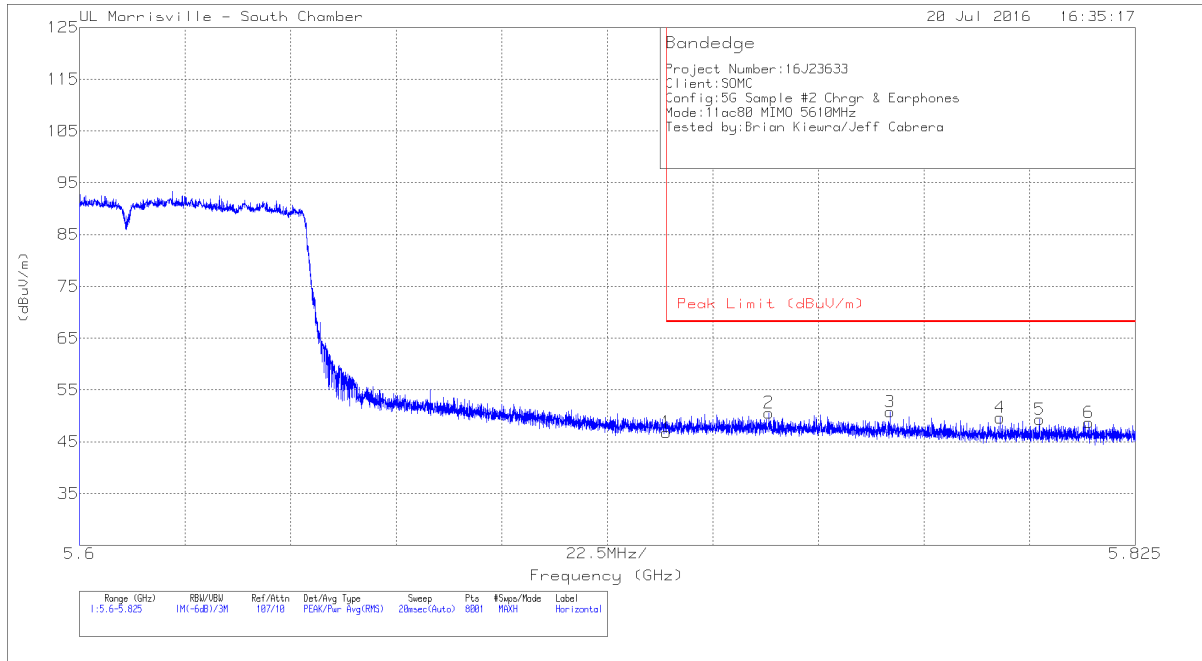
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

**AUTHORIZED BANDEDGE (HIGH CHANNEL)**

**HIGH CHANNEL RESTRICTED, HORIZONTAL**

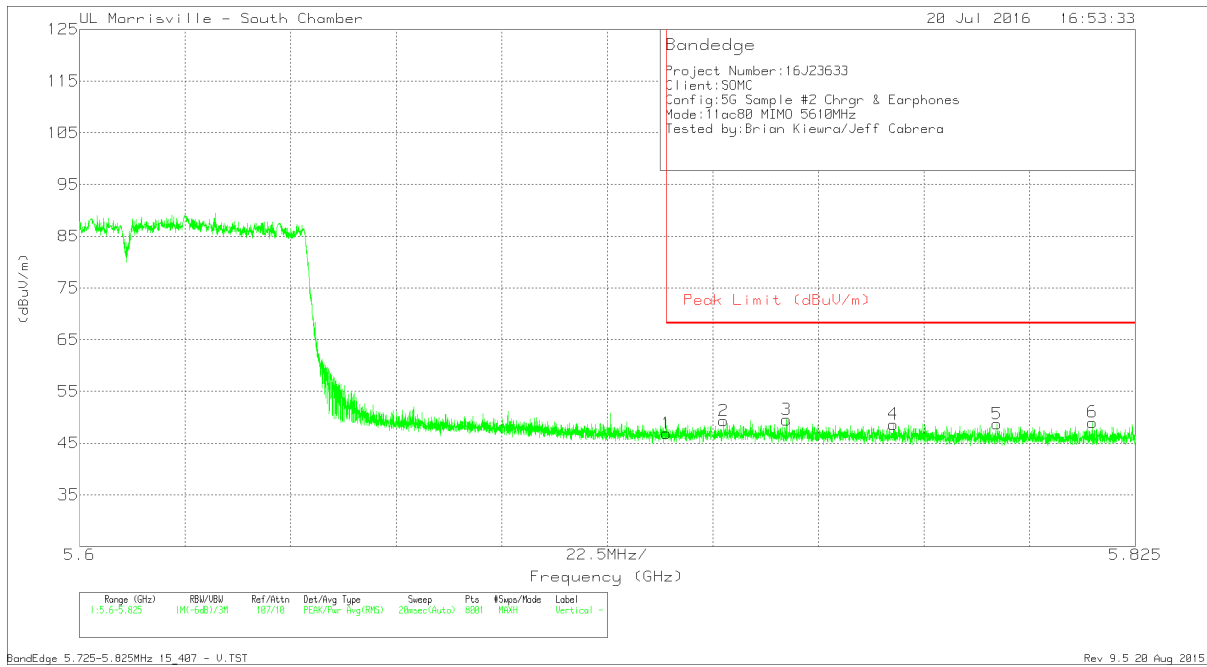


**Trace Markers**

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



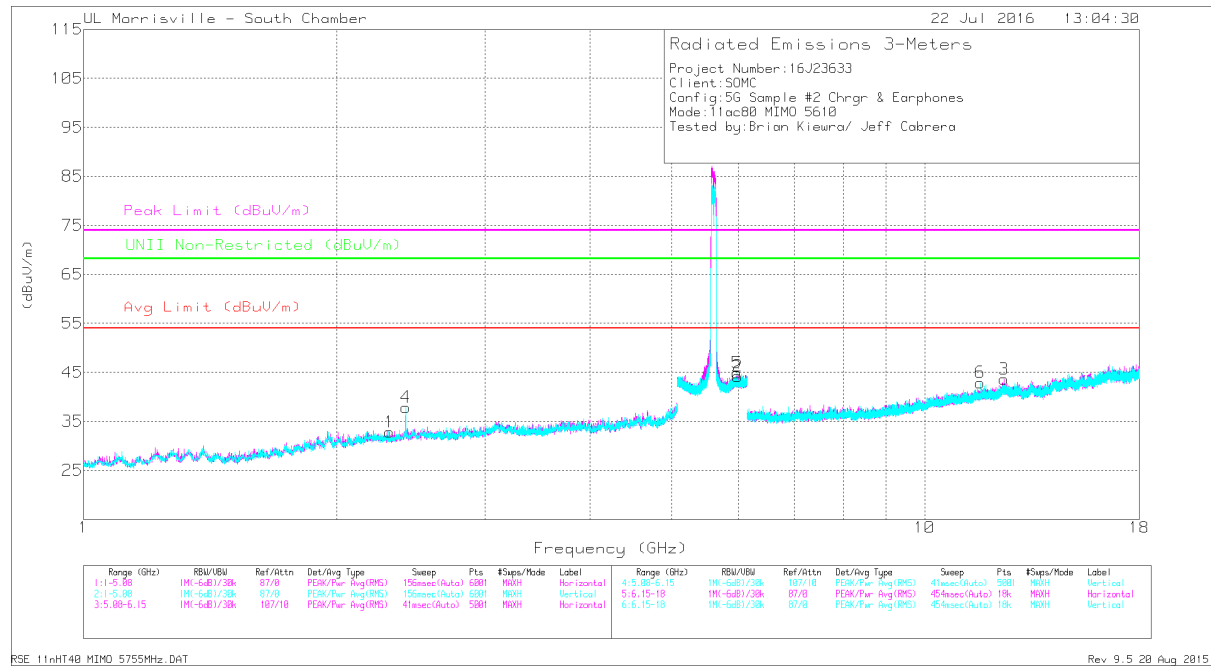
Trace Markers

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/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
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/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
* 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

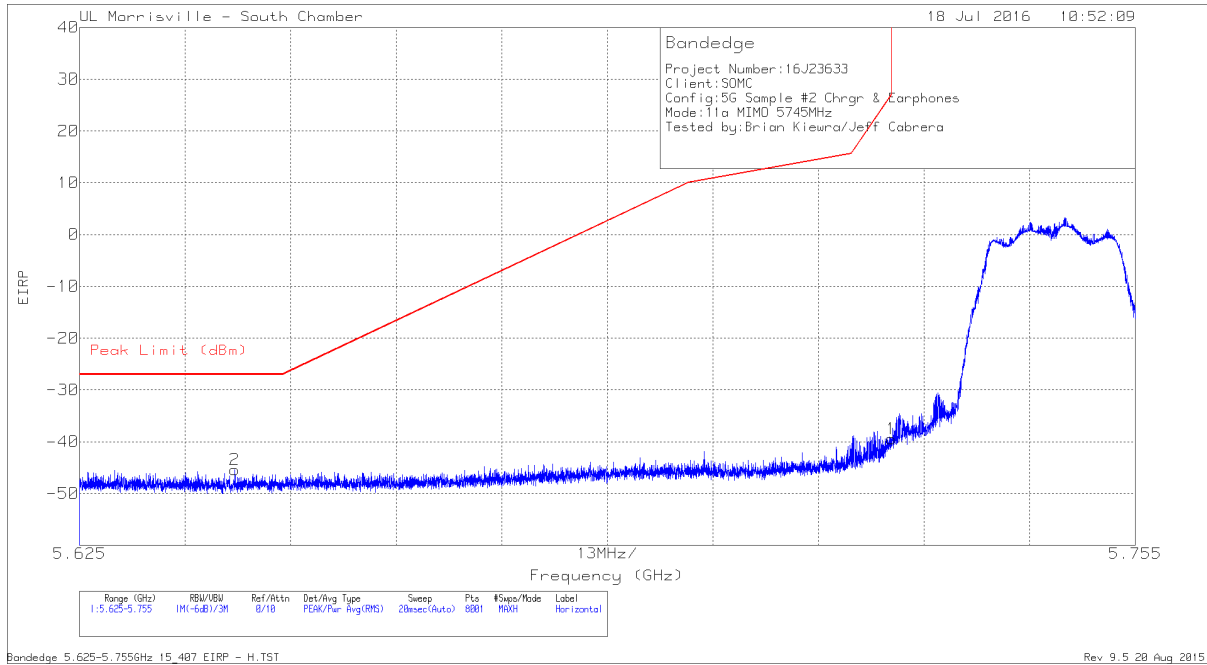
PK-U - U-NII: Maximum Peak

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**



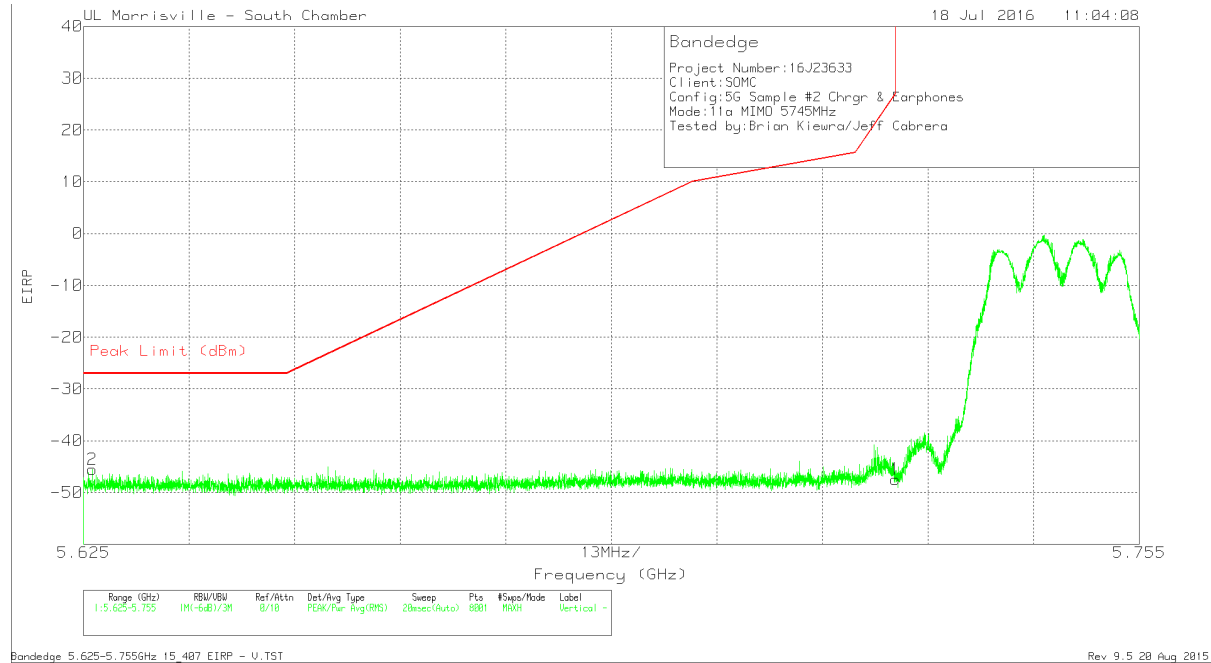
**Trace Markers**

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



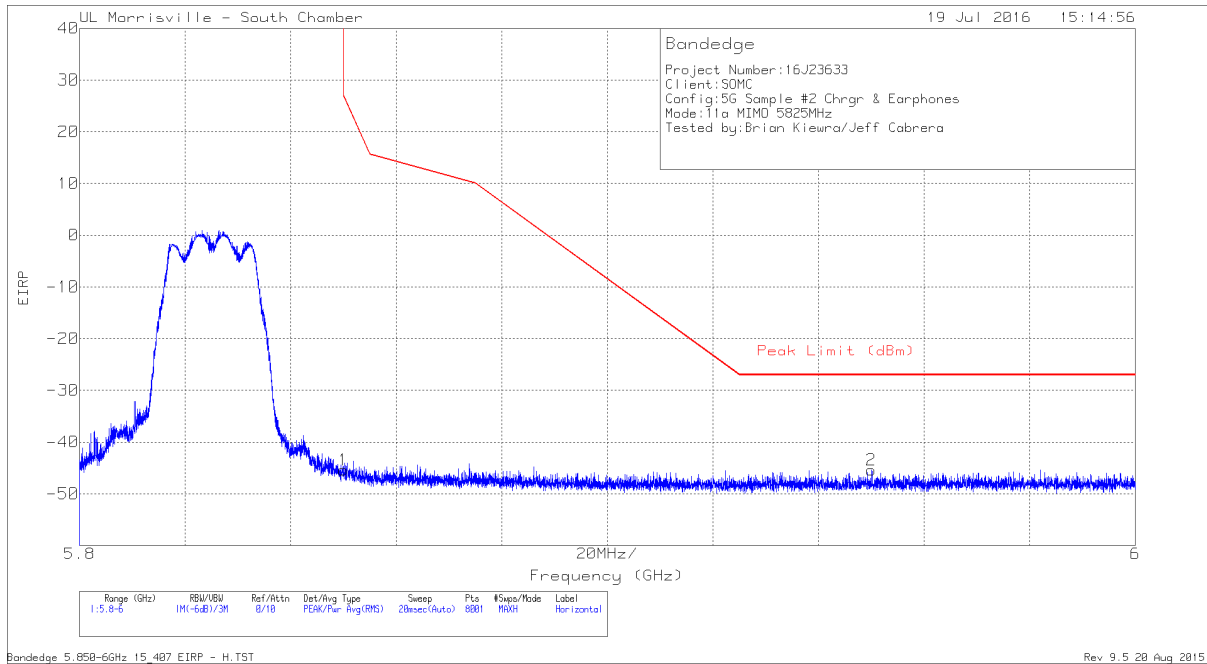
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF AT0069 (dB/m)	Amp/Cbl/ Fitr/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**

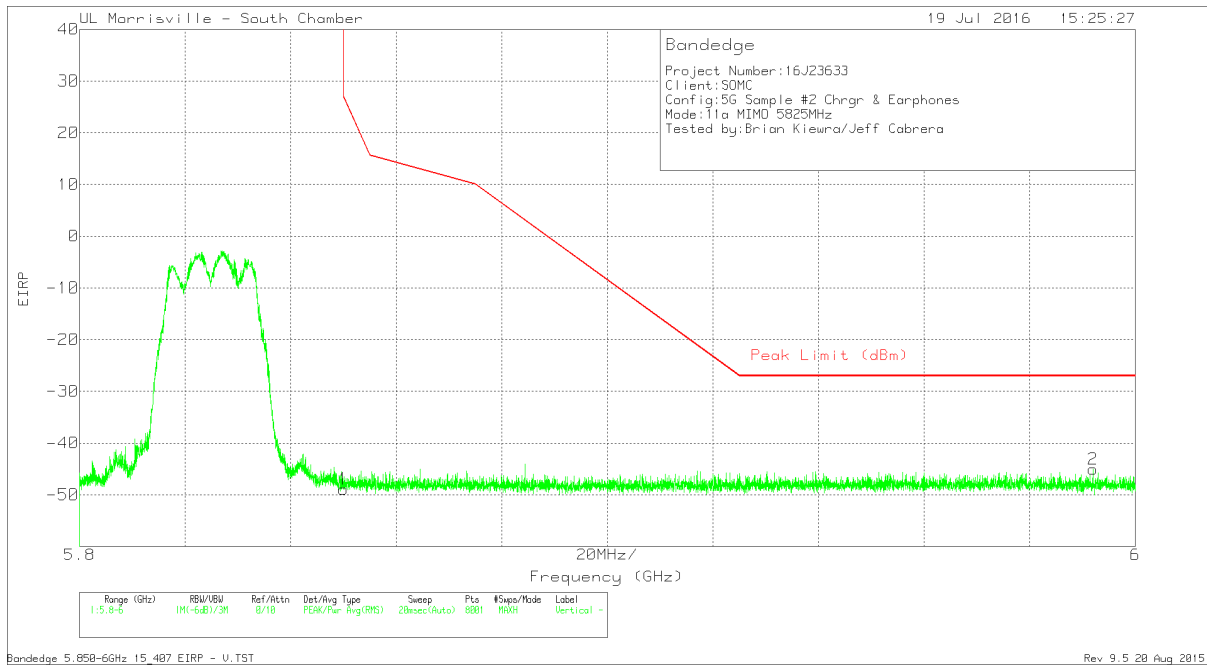


**Trace Markers**

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



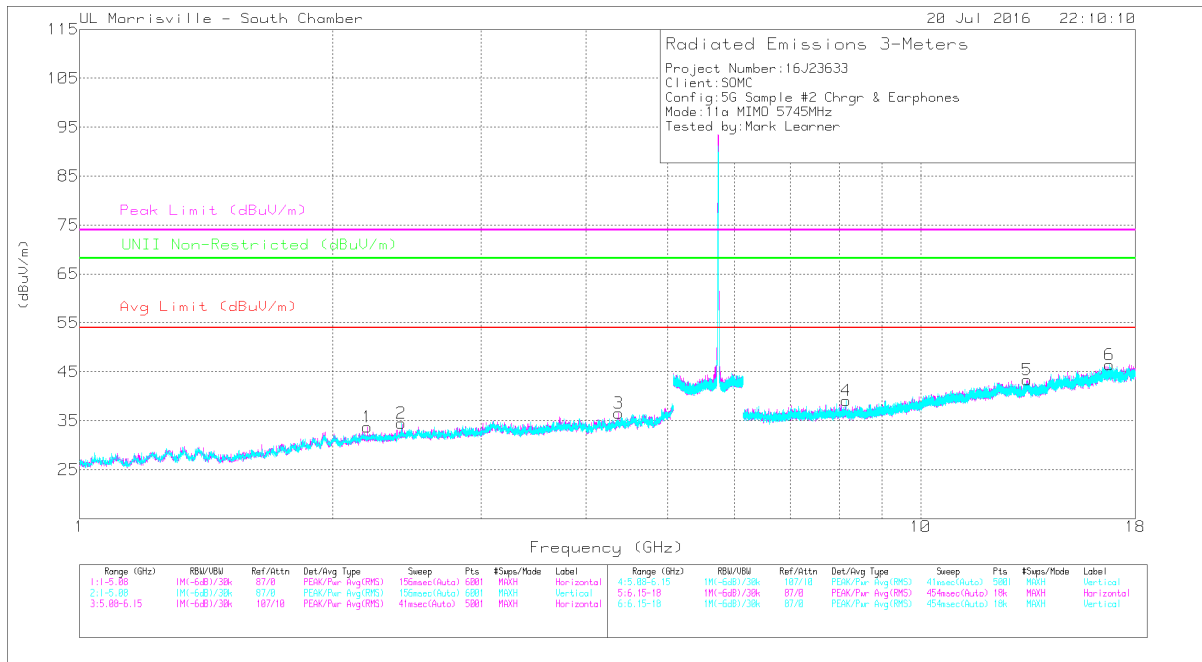
Trace Markers

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**



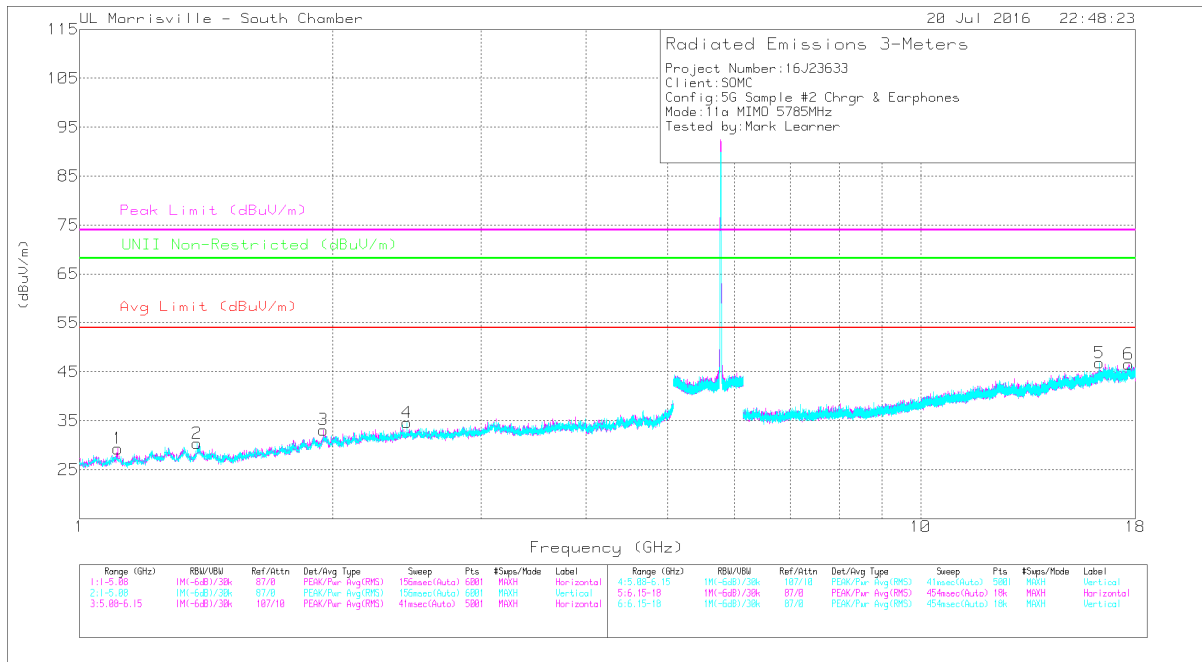
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF AT0069 (dB/m)	Amp/Cbl/Fitr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
3	* 4.374	39.52	PK-U	33.7	-31.9	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

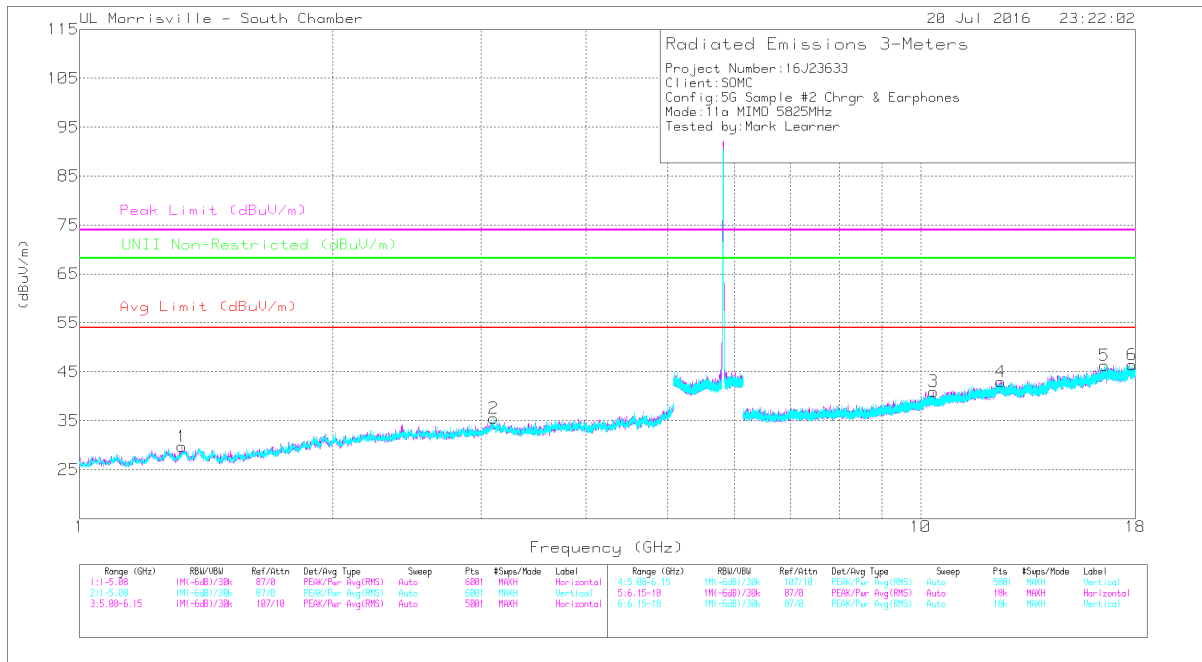
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF AT0069 (dB/m)	Amp/Cb/Fltr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.109	43.06	PK-U	27.7	-35.8	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/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	* 1.322	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

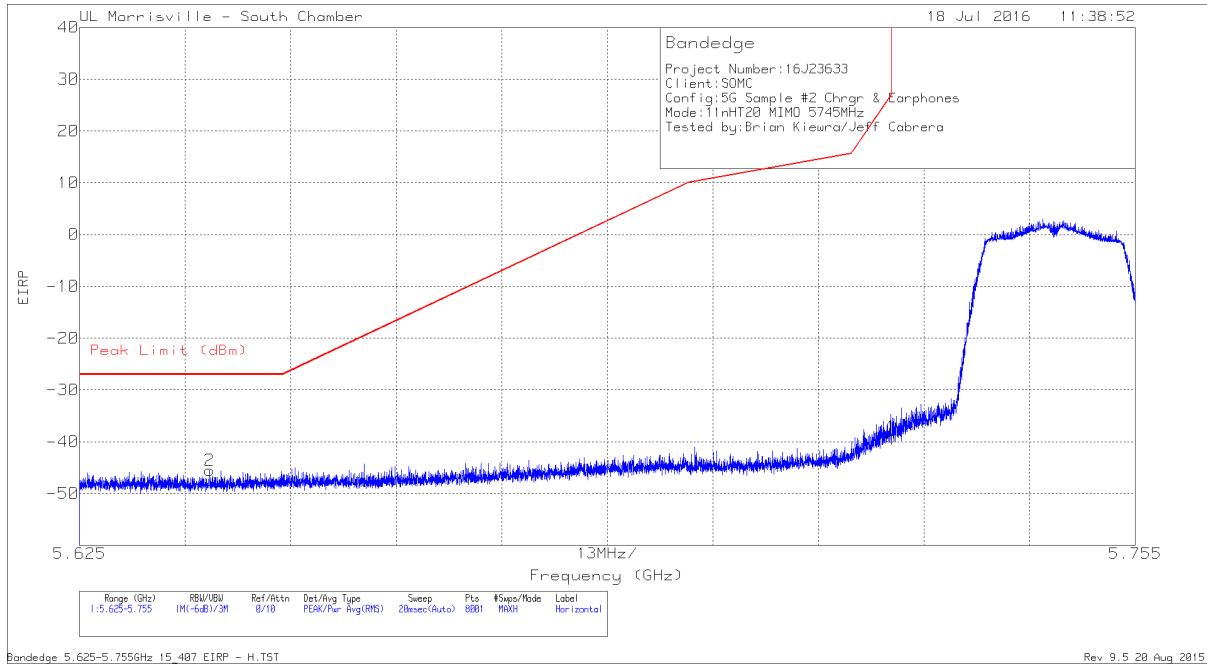
PK-U - U-NII: Maximum Peak

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**

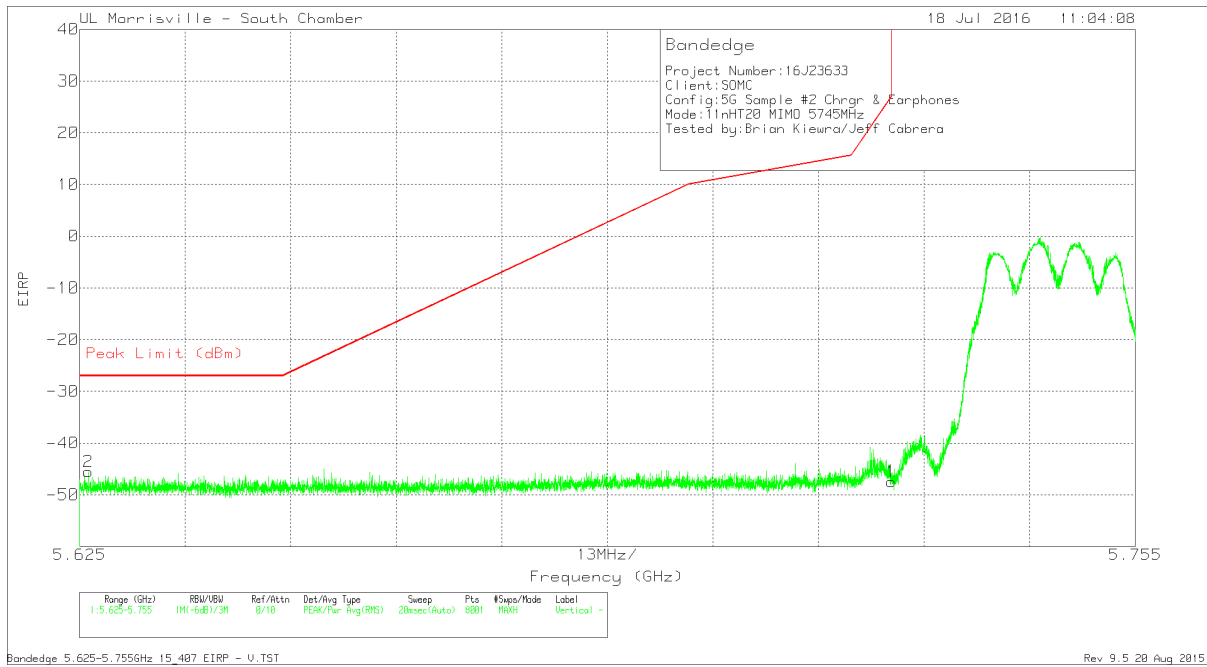


**Trace Markers**

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



Bandedge 5.625-5.7556Hz 15.407 EIRP - U.TST

Rev 9.5 28 Aug 2015

Trace Markers

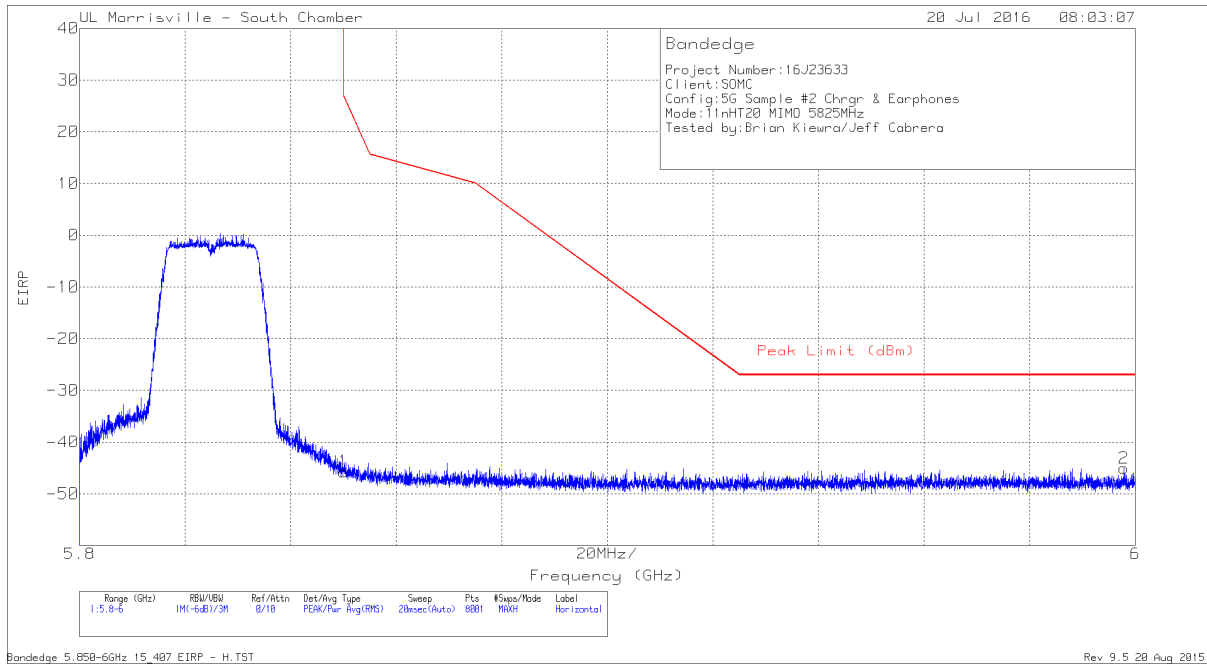
Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF AT0069 (dB/m)	Amp/Cb/Fltr/Pad (dB)	Conversion Factor (dB)	DC Corr (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	5.626	-68.36	Pk	34.7	-23.7	11.8	0	-45.56	-27	-18.56	278	102	V
1	5.725	-70.03	Pk	34.7	-23.9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

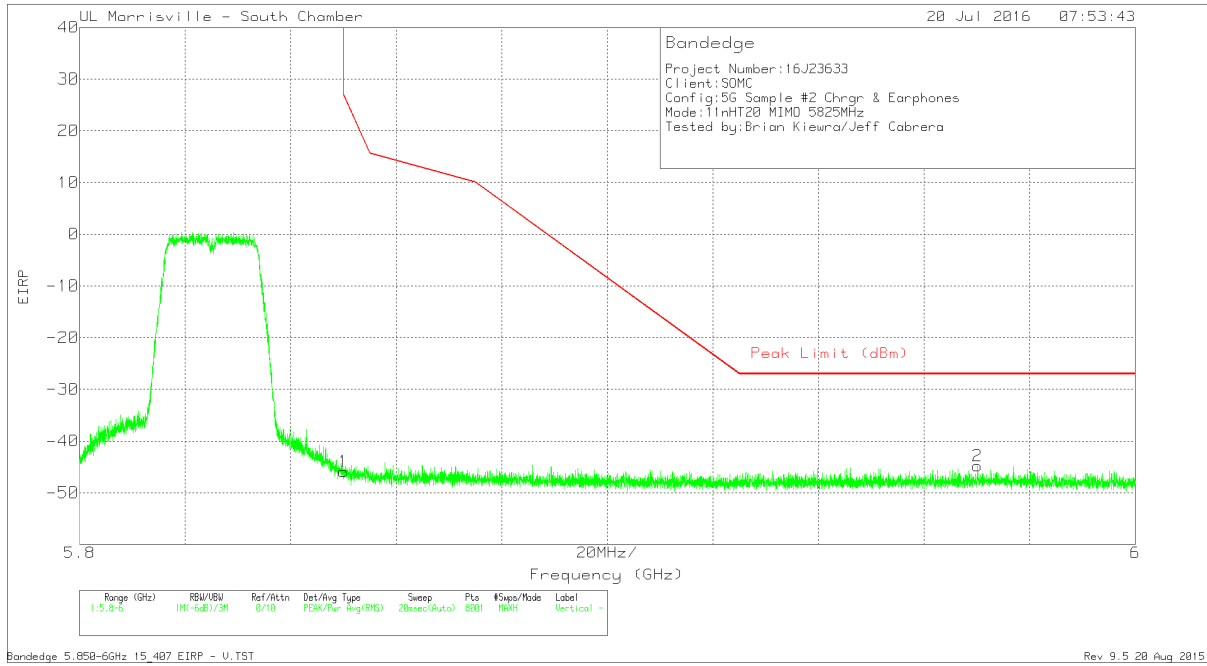
Rev 9.5 20 Aug 2015

**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

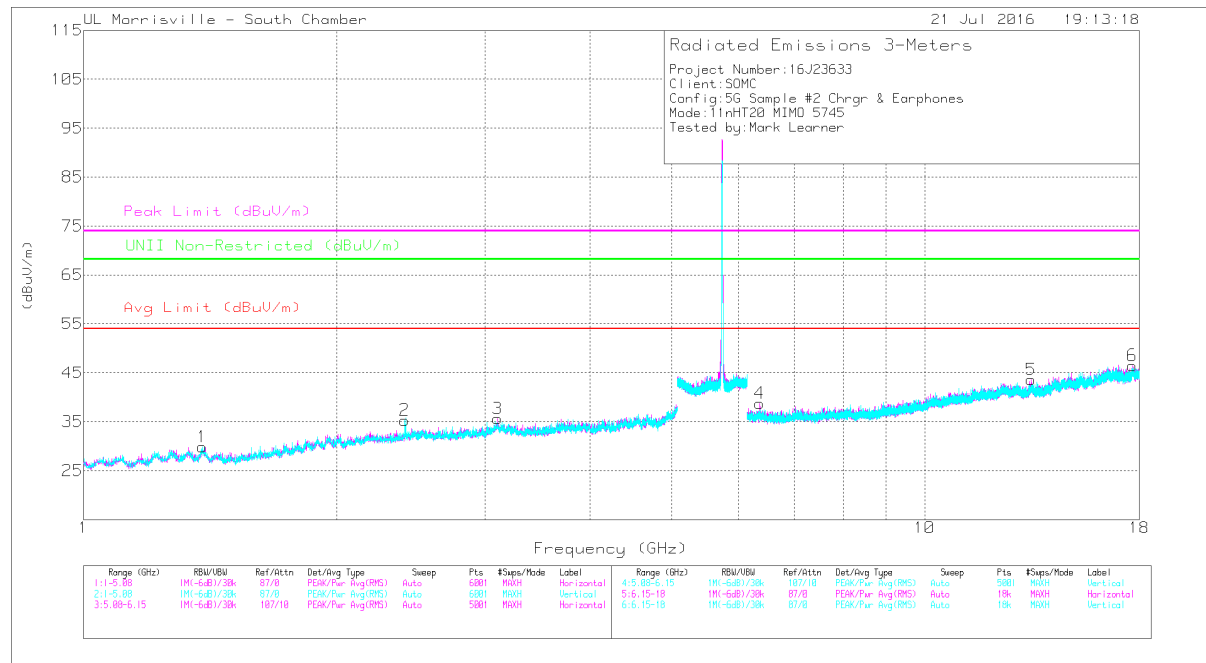


Trace Markers

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**

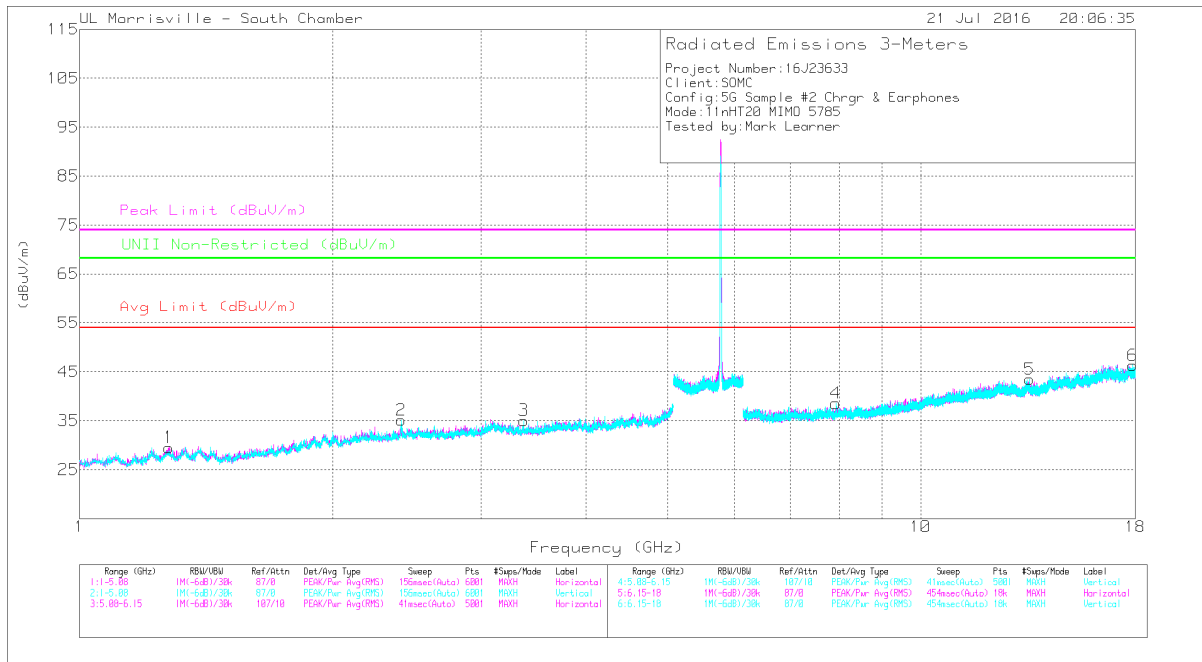


**Trace Markers**

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

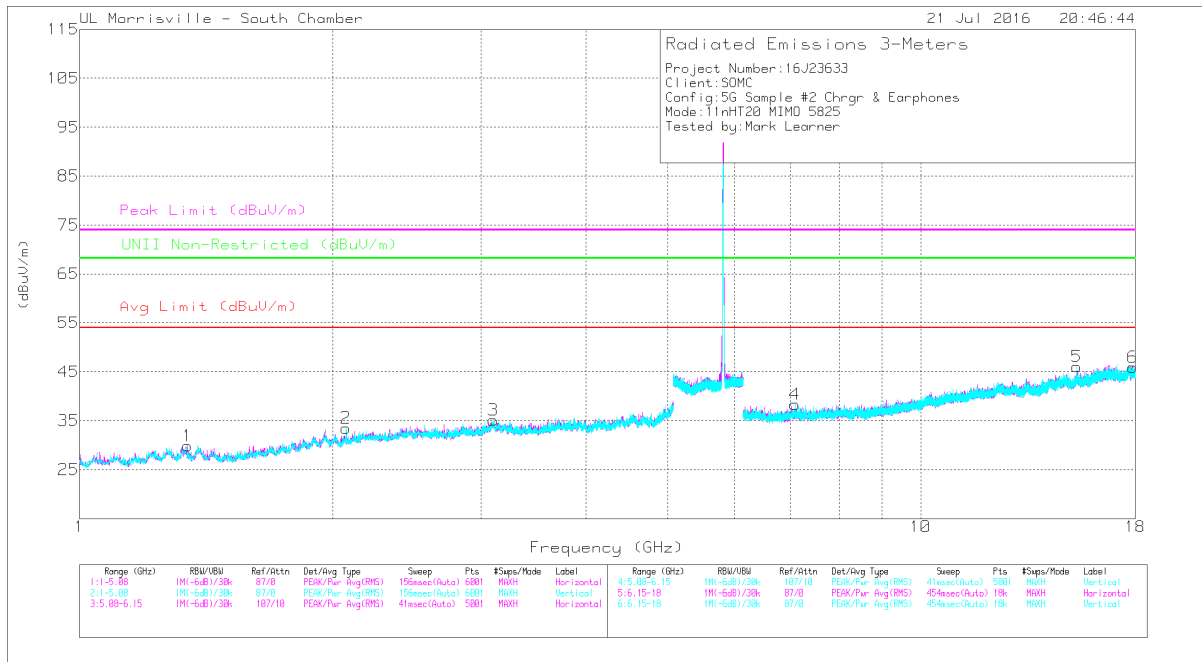


Trace Markers

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

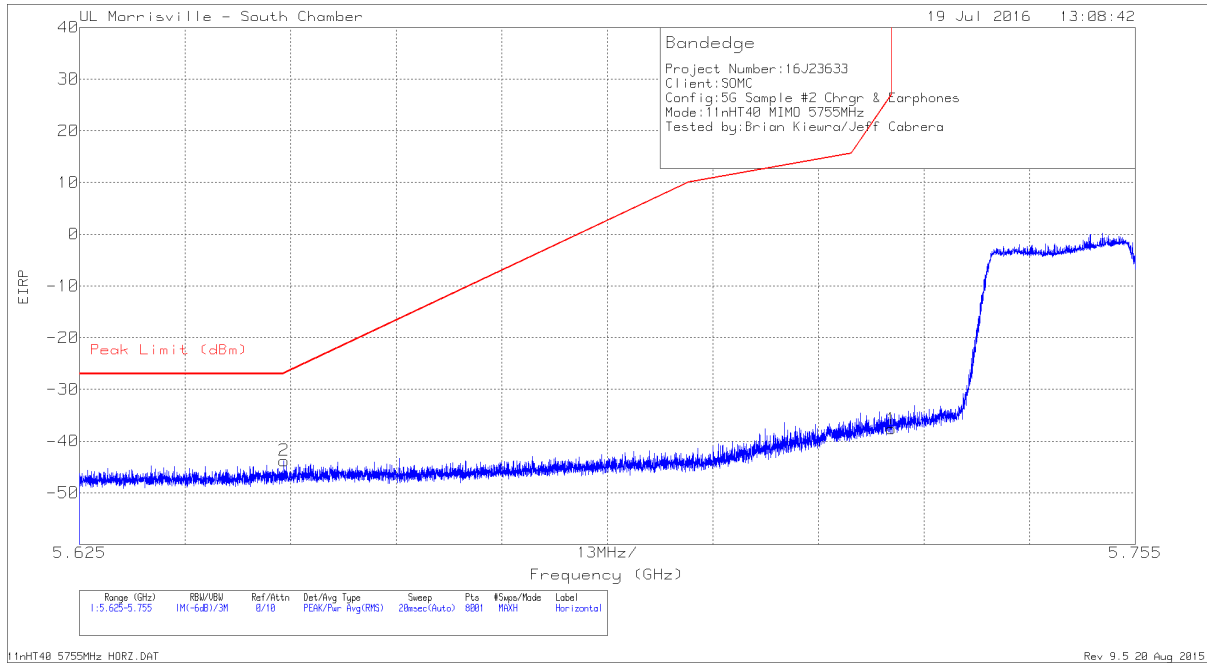
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF ATT009 (dB/m)	Amp/Ch/Fir/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Deg)	Height (cm)	Polarity
1	* 1.344	41.36	PK-U	28.8	-35.2	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**

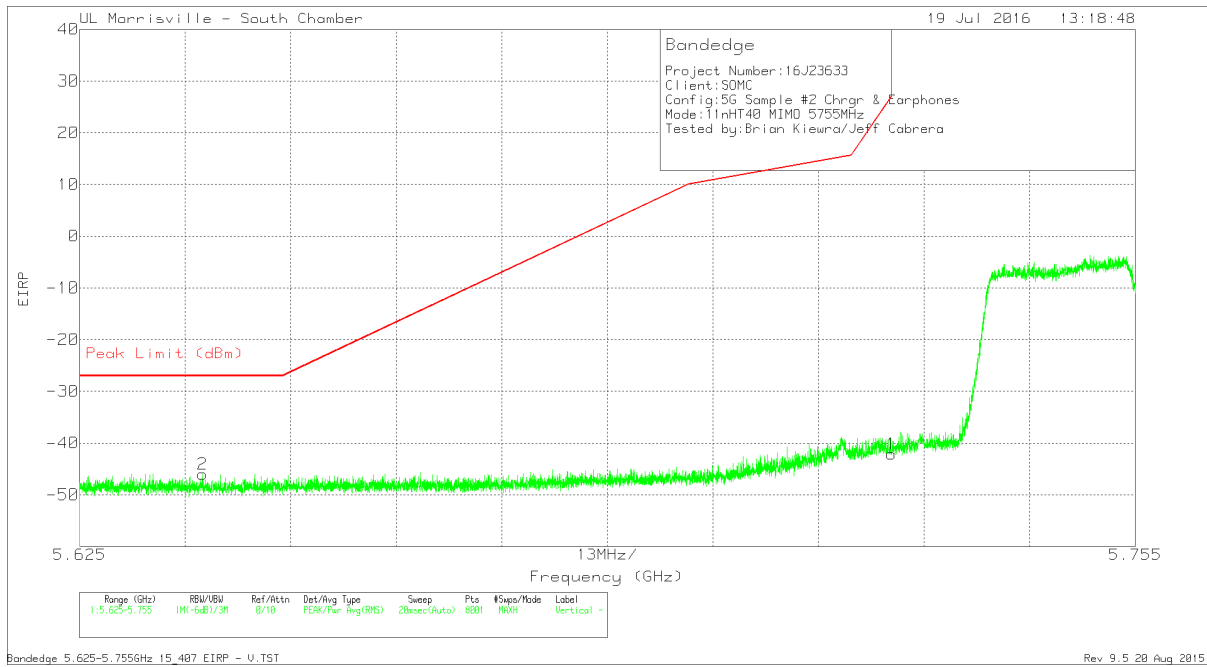


**Trace Markers**

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

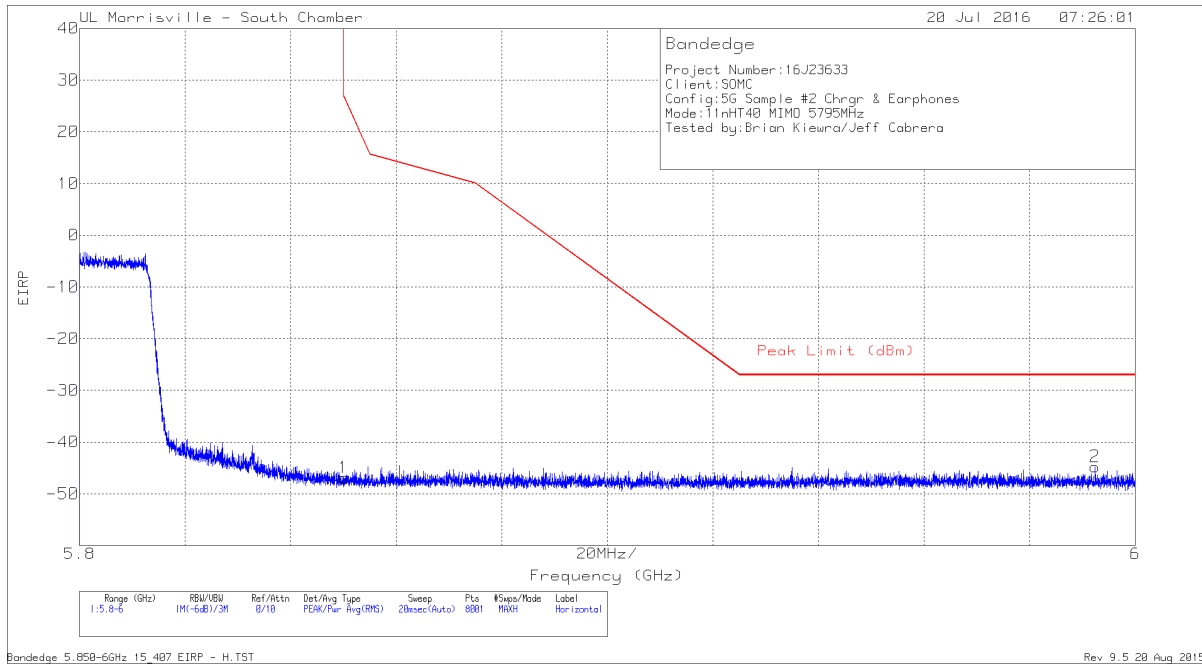
Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF AT0069 (dB/m)	Amp/Cb/ Ftr/Pad (dB)	Conversion Factor (dB)	DC Corr (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	5.64	-68.69	Pk	34.7	-23.8	11.8	0	-45.99	-27	-18.99	121	107	V
1	5.725	-64.73	Pk	34.7	-23.9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



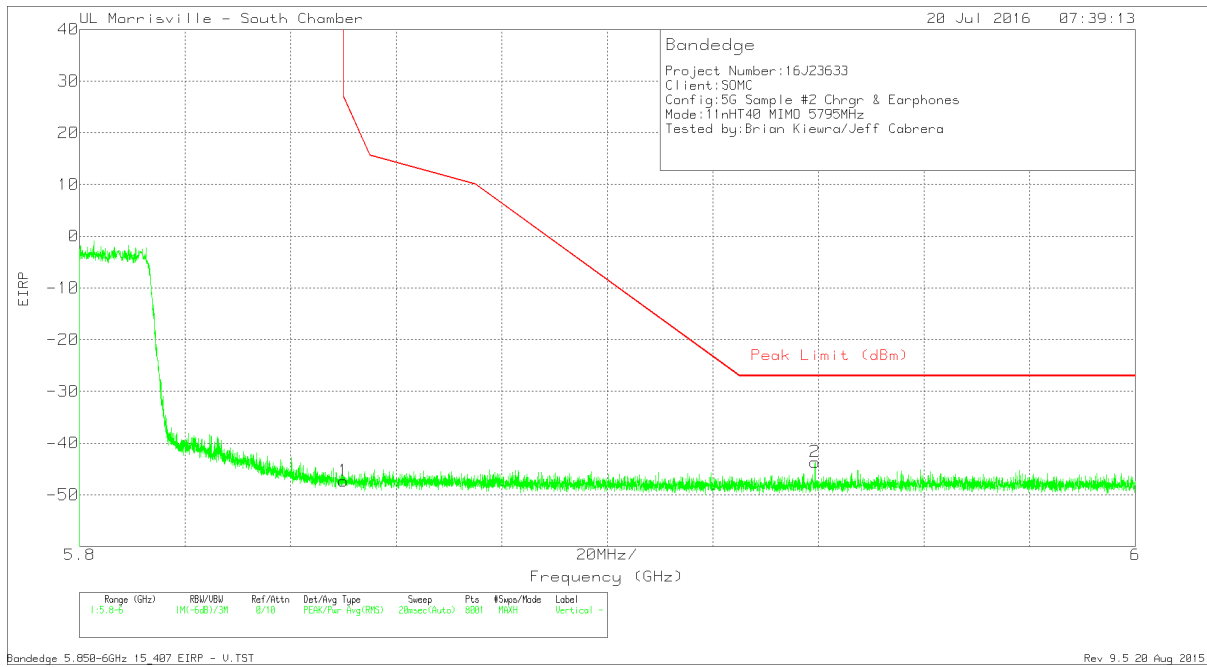
**Trace Markers**

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



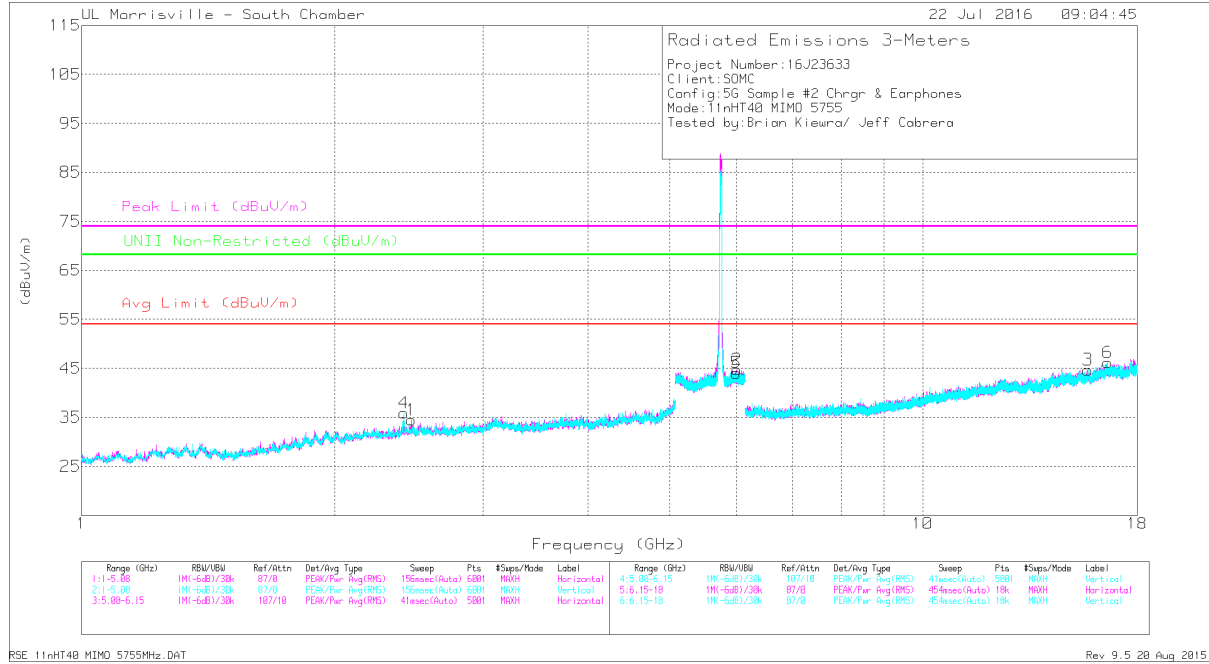
Trace Markers

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/Cu/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**

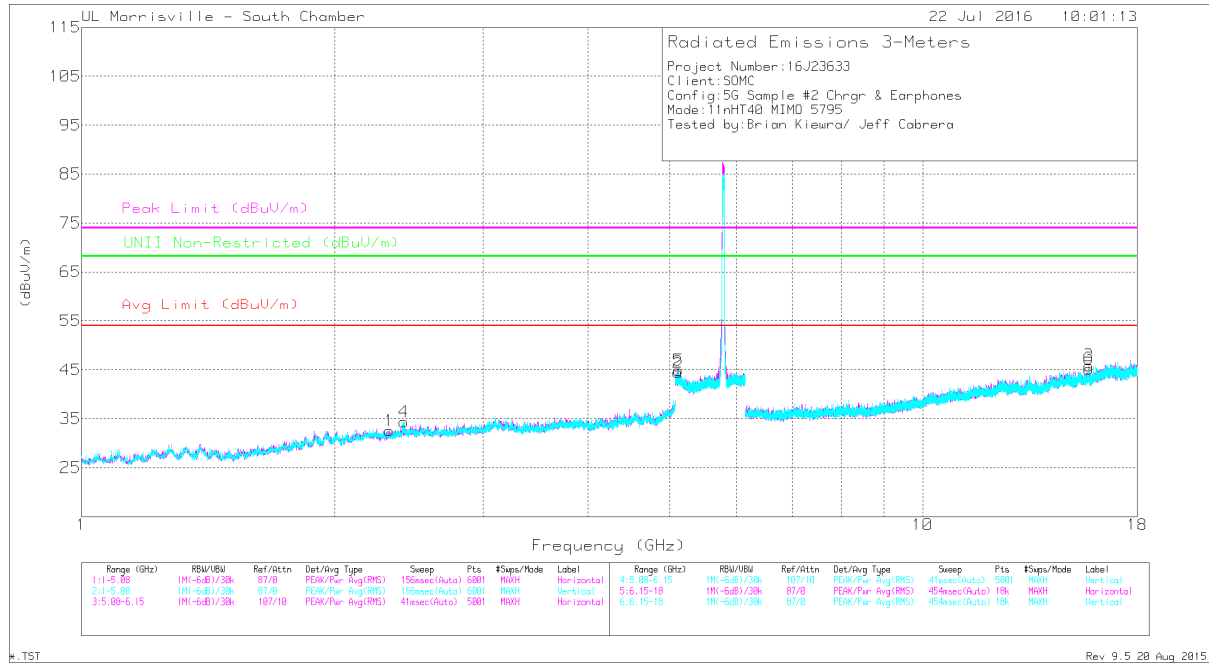
Frequency (GHz)	Meter Reading (dBuV)	Det	AF AT0069 (dB/m)	Amp/Cu/Ftr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Asimuth (Degs)	Height (cm)	Polarity
* 15.722	34.51	PK-U	40.3	-24.3	0	50.51	-	-	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/CW/Fix/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	* 2.323	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/CW/Fix/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 2.324	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

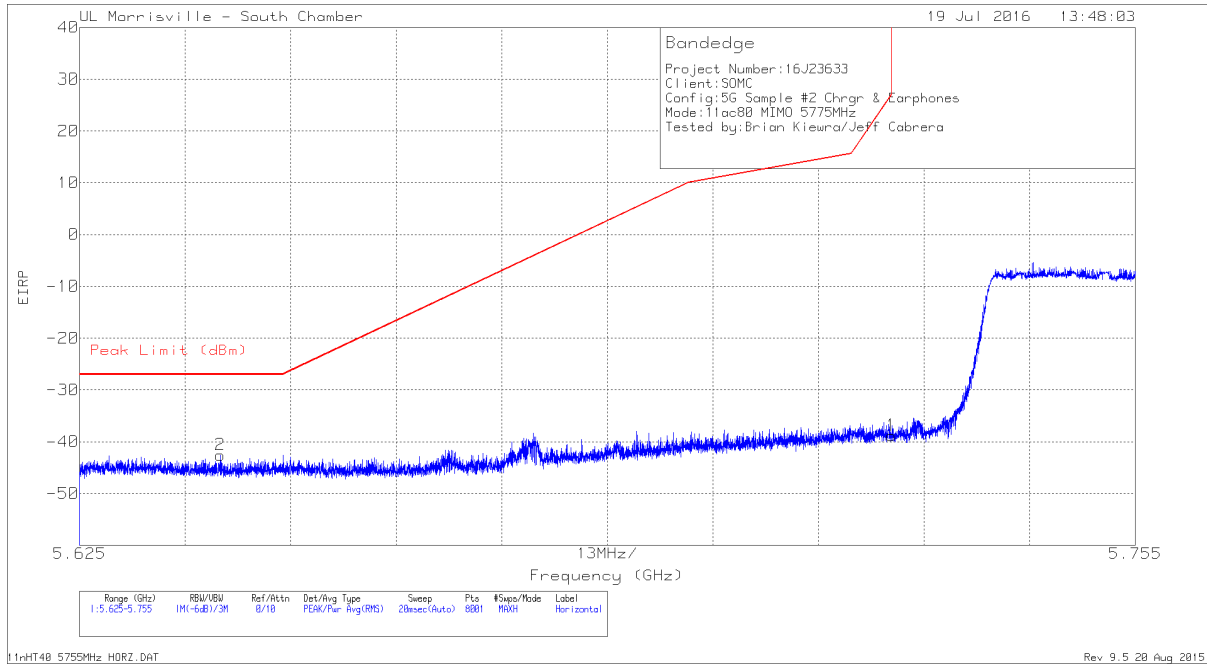
PK-U - U-NII: Maximum Peak

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**

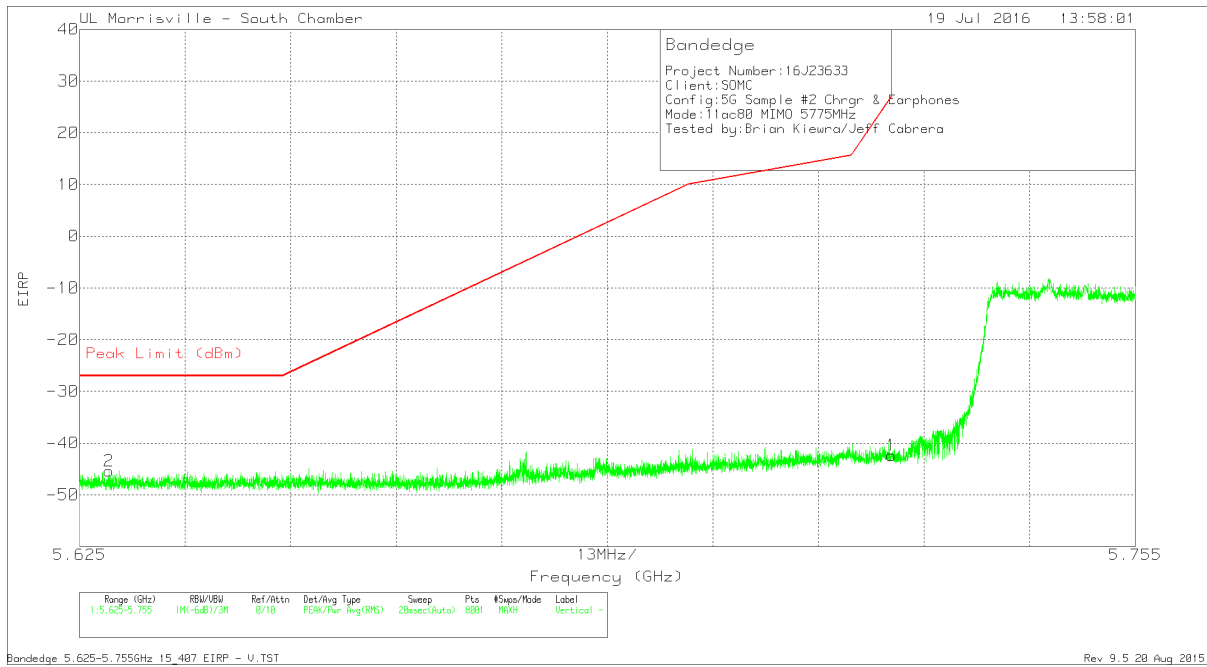


**Trace Markers**

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



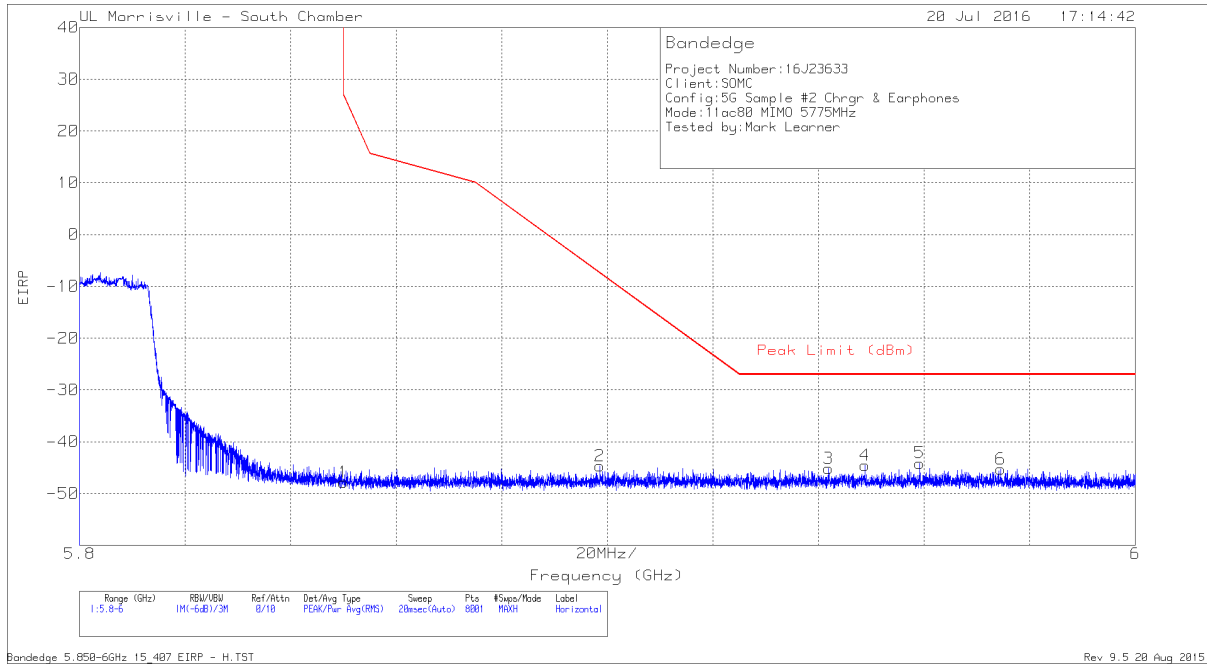
Trace Markers

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**

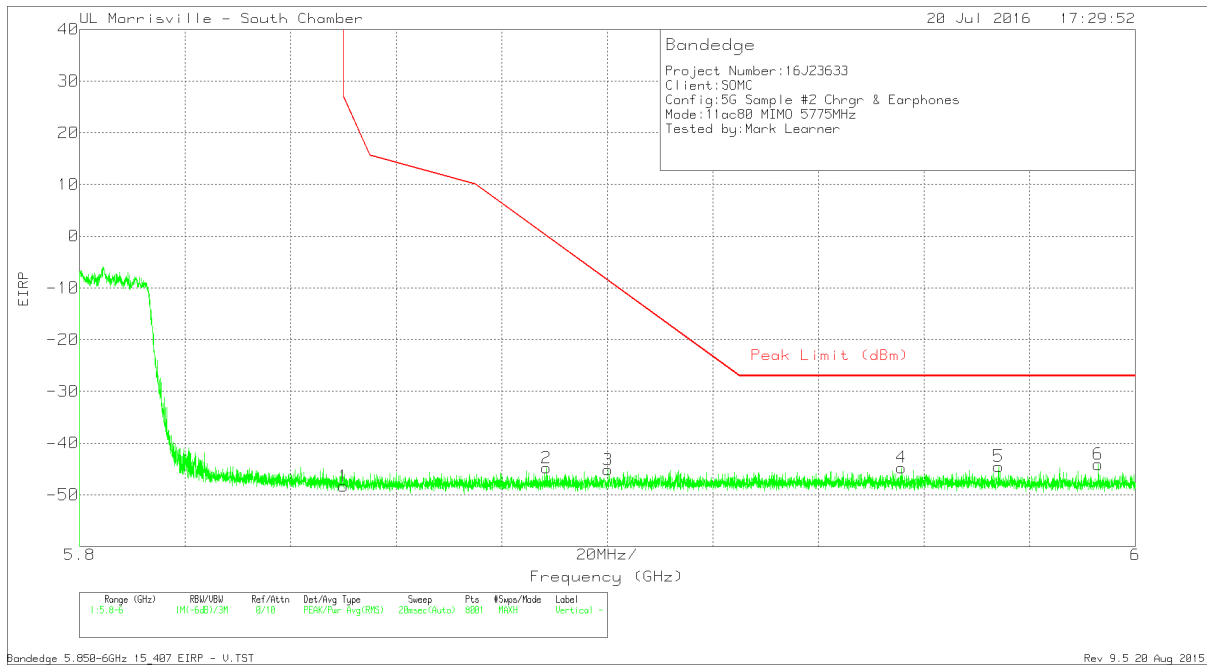


**Trace Markers**

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



Bandedge 5.850-6GHz 15.407 EIRP - U.TST

Rev 9.5 20 Aug 2015

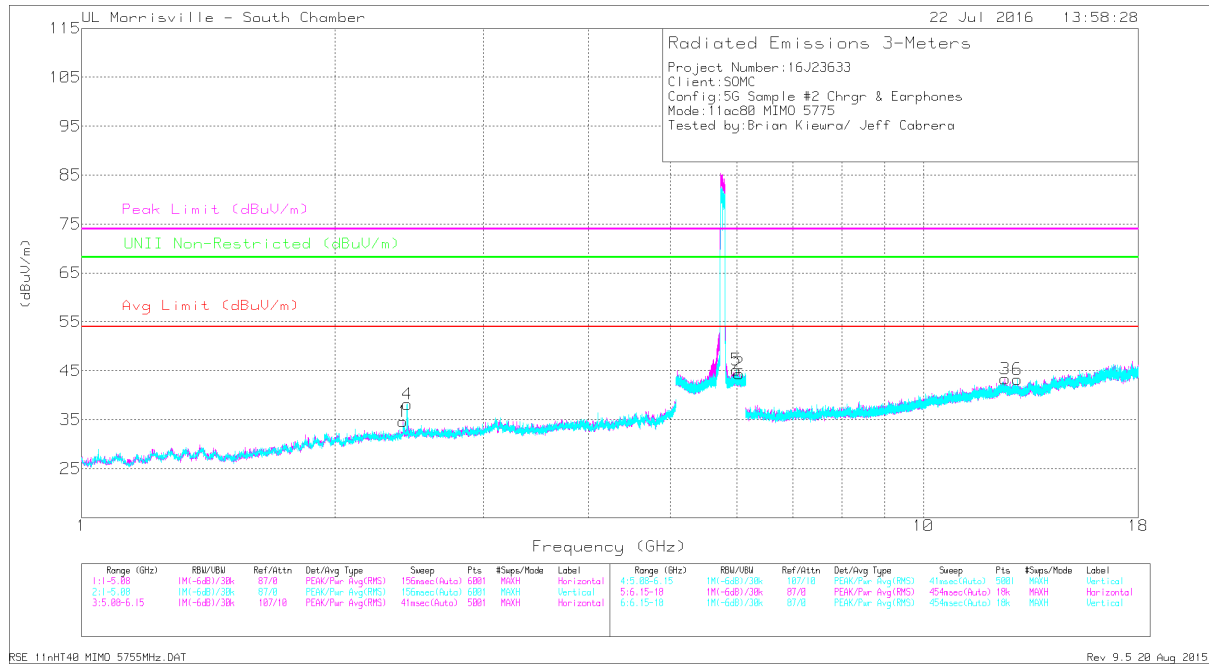
Trace Markers

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	-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 AT0069 (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 AT0069 (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

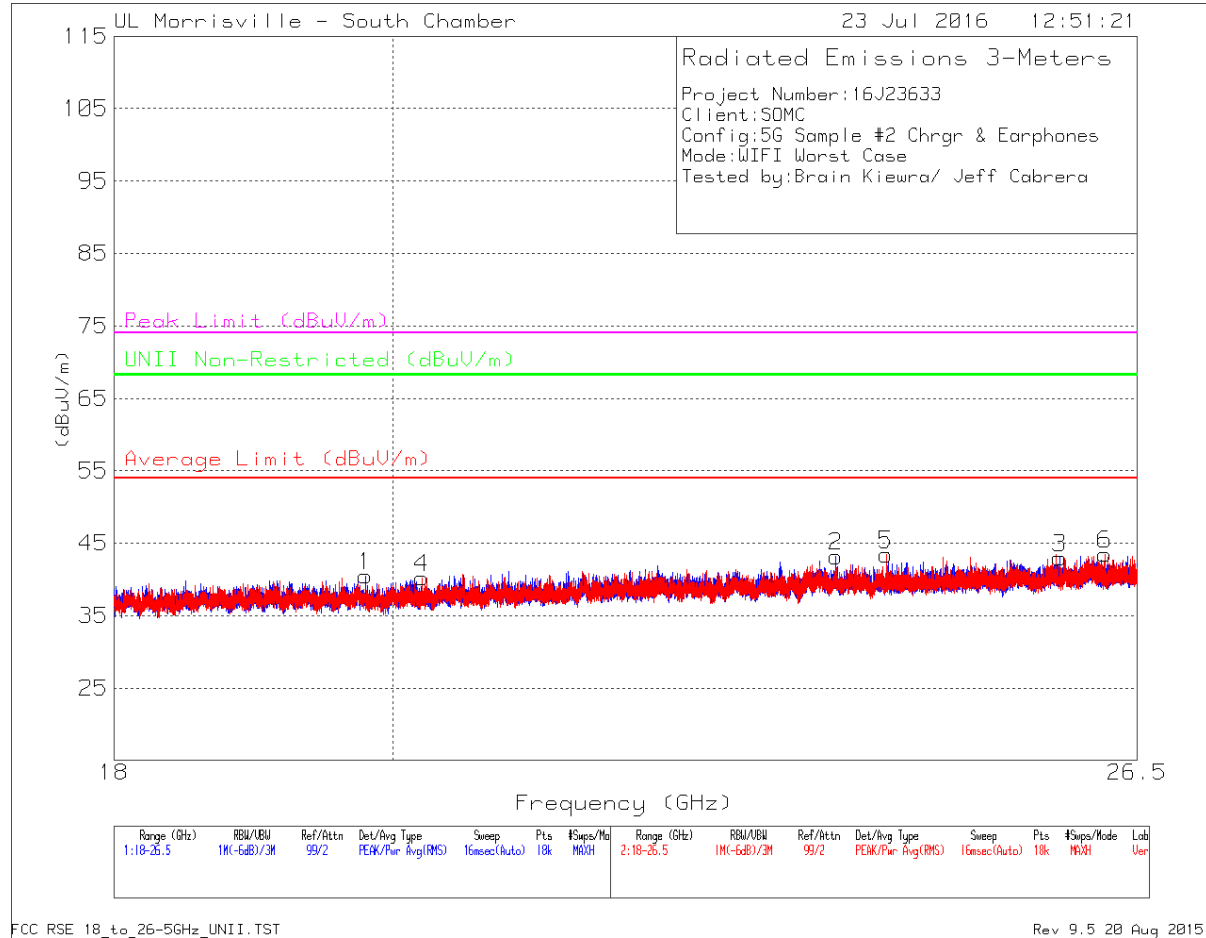
PK-U - U-NII: Maximum Peak

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)



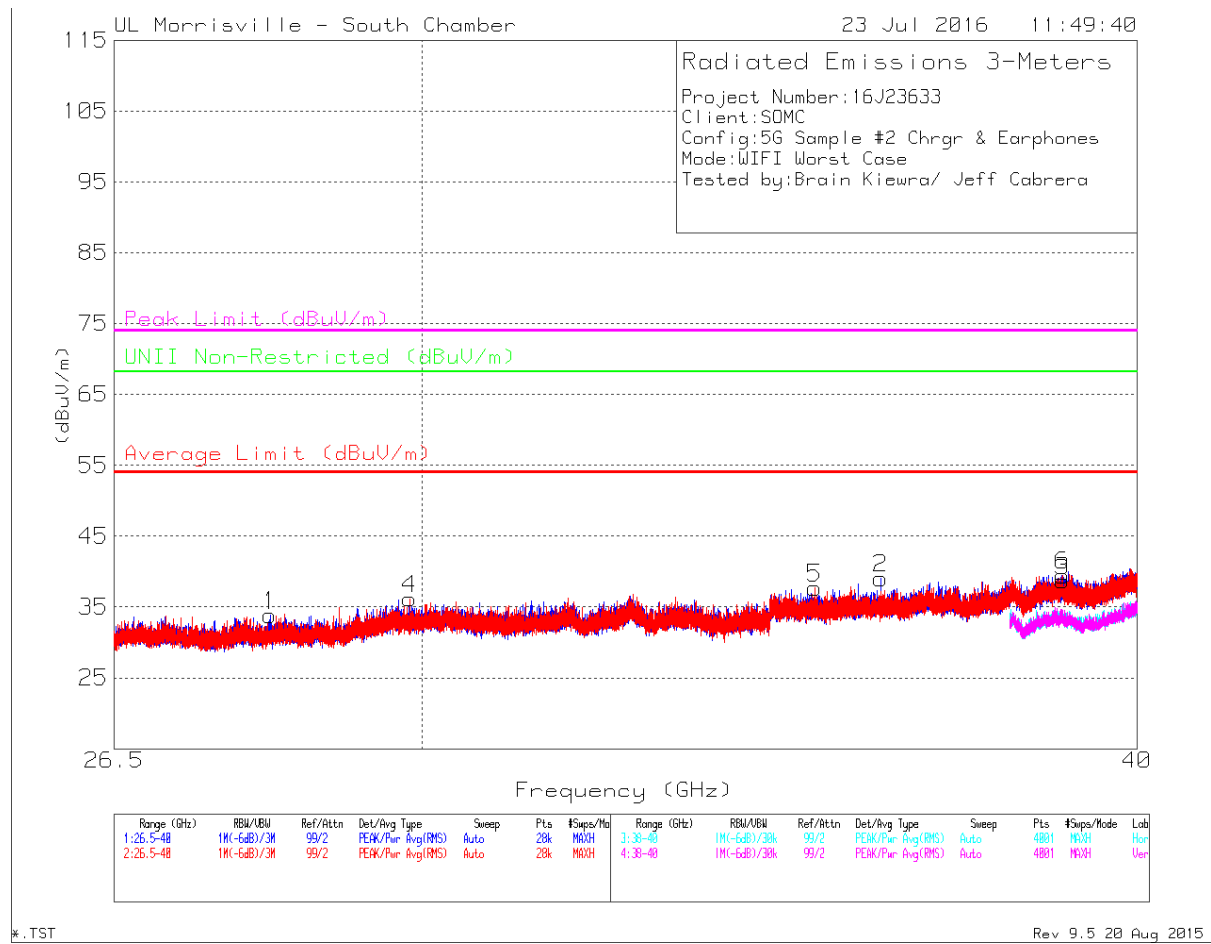
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF AT0076 (dB/m)	Amp/Cbl (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 19.794	47.41	PK-U	33.2	-40.5	0	40.11	-	-	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)

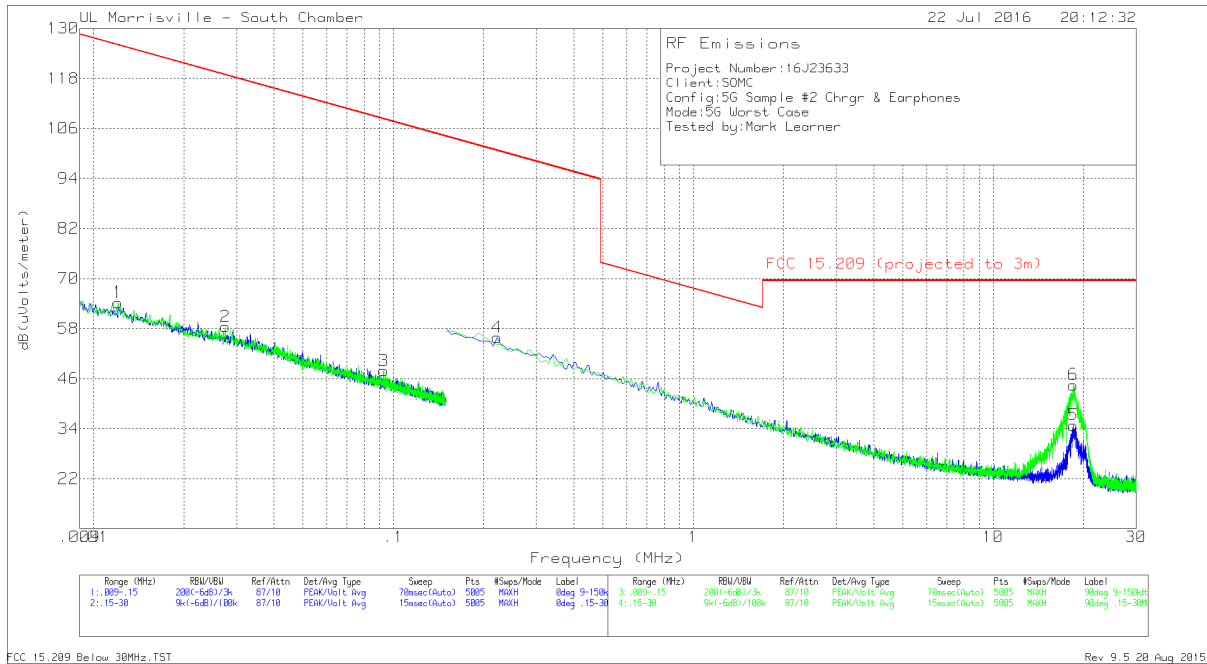


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF AT0077 (dB/m)	Amp/Cbl (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
3	* 38.817	38.08	PK-U	38.4	-36.4	0	40.08	-	-	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

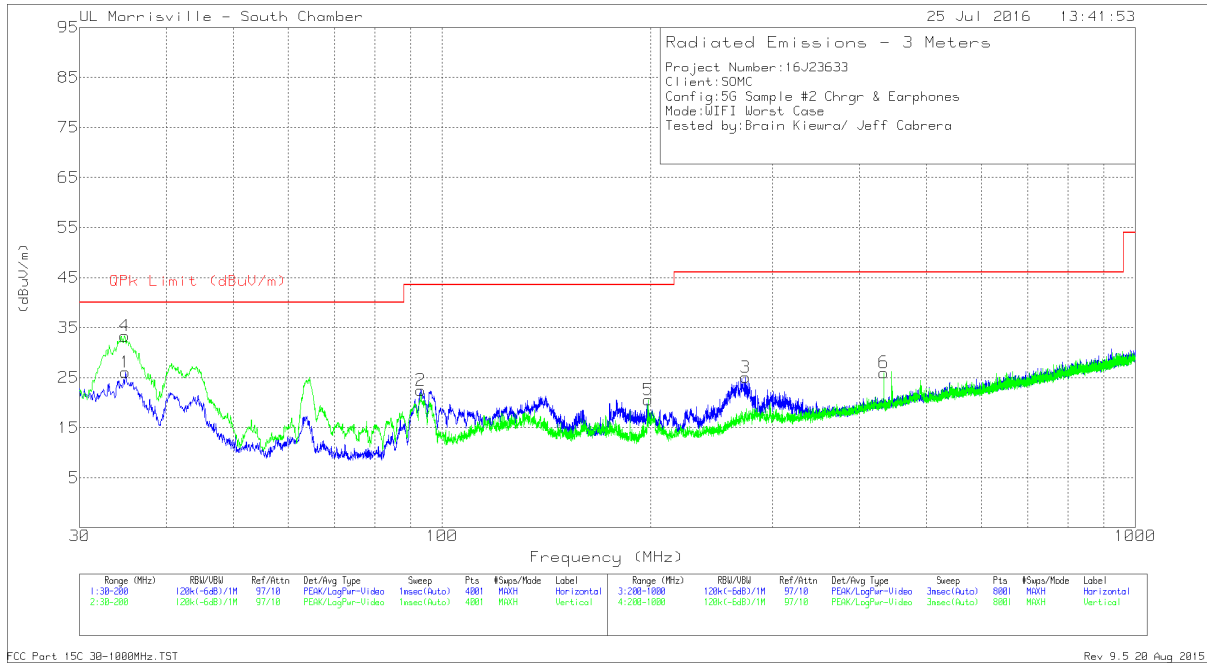
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	AT0079 AF (dB/m)	Cbl (dB)	Corrected Reading dB(uVolts/meter)	FCC 15.209 (projected to 3m)	Margin (dB)	Azimuth (Degs)
4	.22158	43.88	Pk	11.9	.1	55.88	100.69	-44.81	0-360
5	18.51624	24.07	Pk	10.1	.7	34.87	69.54	-34.67	0-360

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

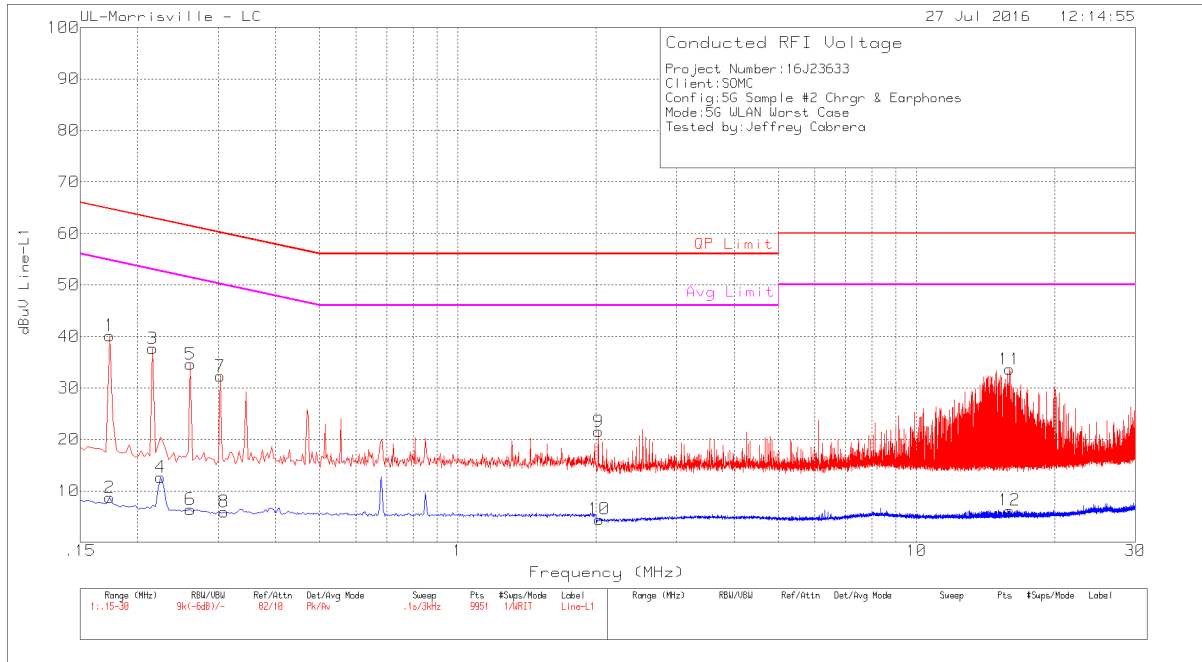
\*Decreases with the logarithm of the frequency.

### TEST PROCEDURE

ANSI C63.10

**RESULTS**

**LINE 1 RESULTS**

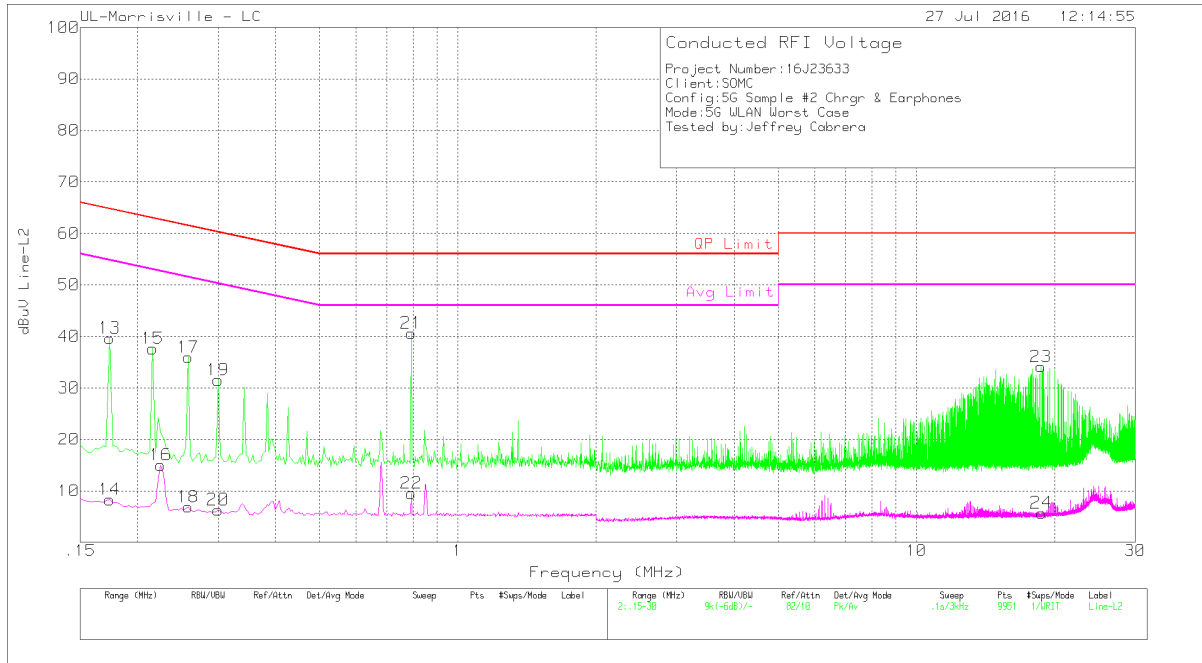


**Trace Markers**

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