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8.37.4. **AVERAGE OUTPUT POWER (WHOLE  
FUNDAMENTAL)**

**LIMITS**

None; for reporting purposes only.

**TEST PROCEDURE**

The transmitter output is connected to a power meter.

The cable assembly insertion loss of 10.6 dB (including 10 dB pad and 0.6 dB cable) was entered as an offset in the power meter to allow for direct reading of power.

**RESULTS**

**Output Power Results**

Channel	Frequency (MHz)	Chain 0 Meas Power (dBm)	Chain 1 Meas Power (dBm)	Chain 2 Meas Power (dBm)	Total Corr'd Power (dBm)
138	5690	18.38	18.46	18.29	23.15

8.38. **802.11ac VHT80 BF 3TX MODE 5.6 GHz BAND, CHANNEL  
138**

8.38.1. **26 dB BANDWIDTH**

**LIMITS**

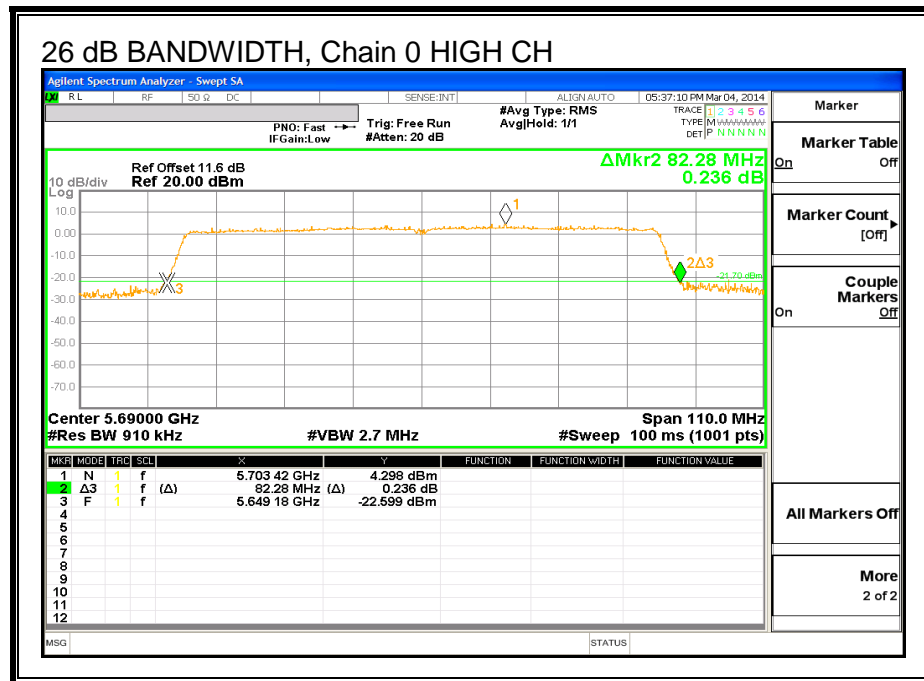
None; for reporting purposes only.

**RESULTS**

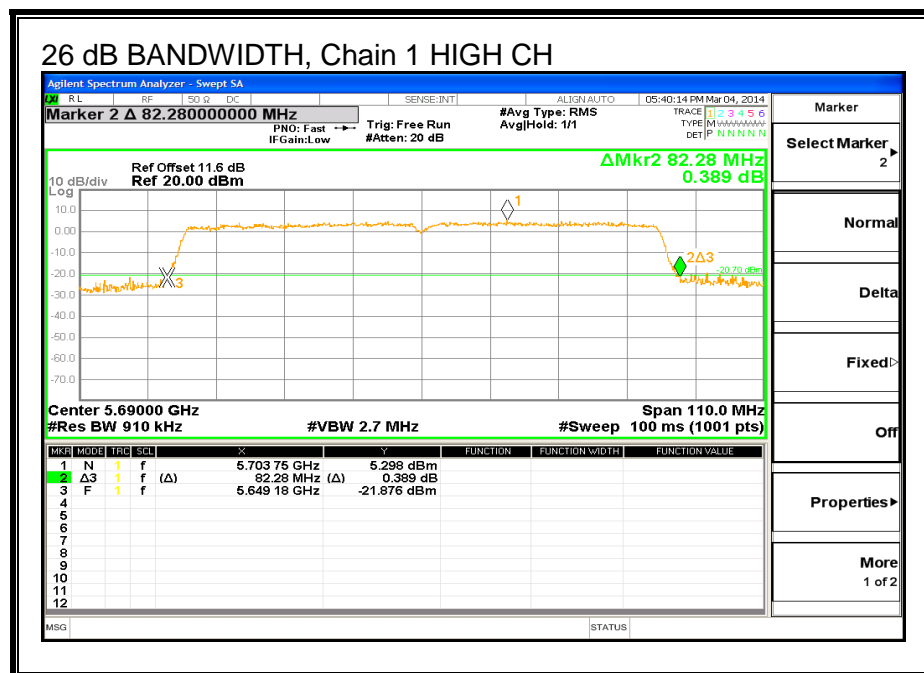
Channel	Frequency (MHz)	26 dB BW Chain 0 (MHz)	26 dB BW Chain 1 (MHz)	26 dB BW Chain 2 (MHz)
138	5690	82.28	82.28	82.72

## 26 dB BANDWIDTH

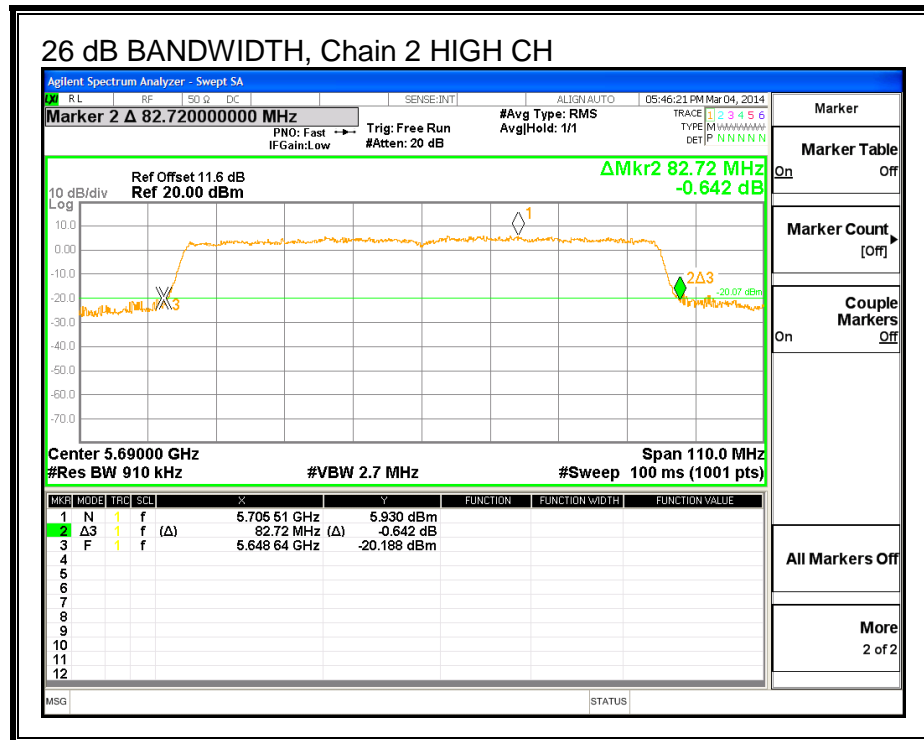
### Chain 0



### Chain 1



**Chain 2**



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8.38.2. **99% BANDWIDTH**

**LIMITS**

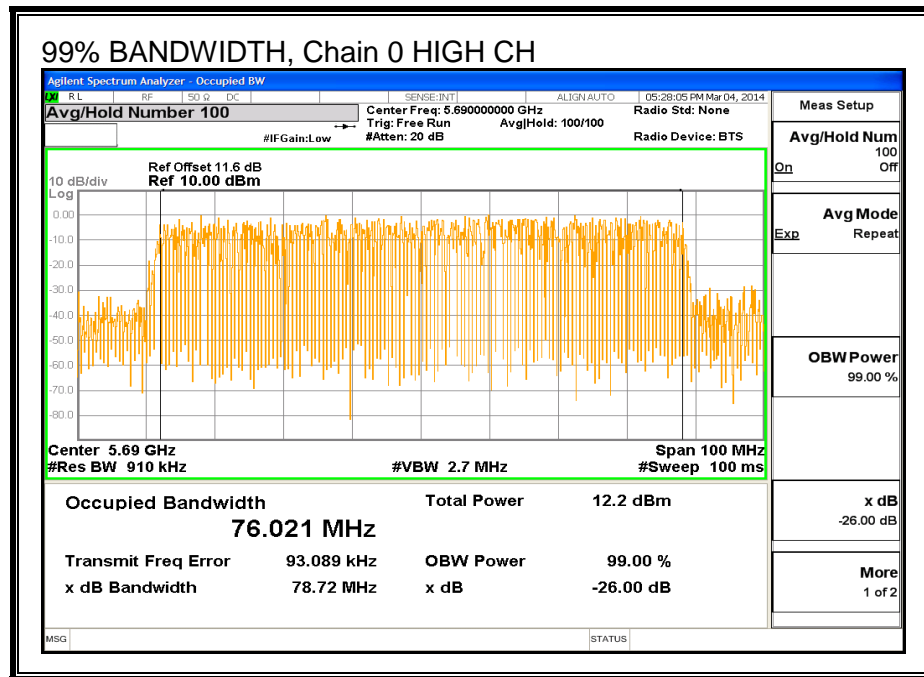
None; for reporting purposes only.

**RESULTS**

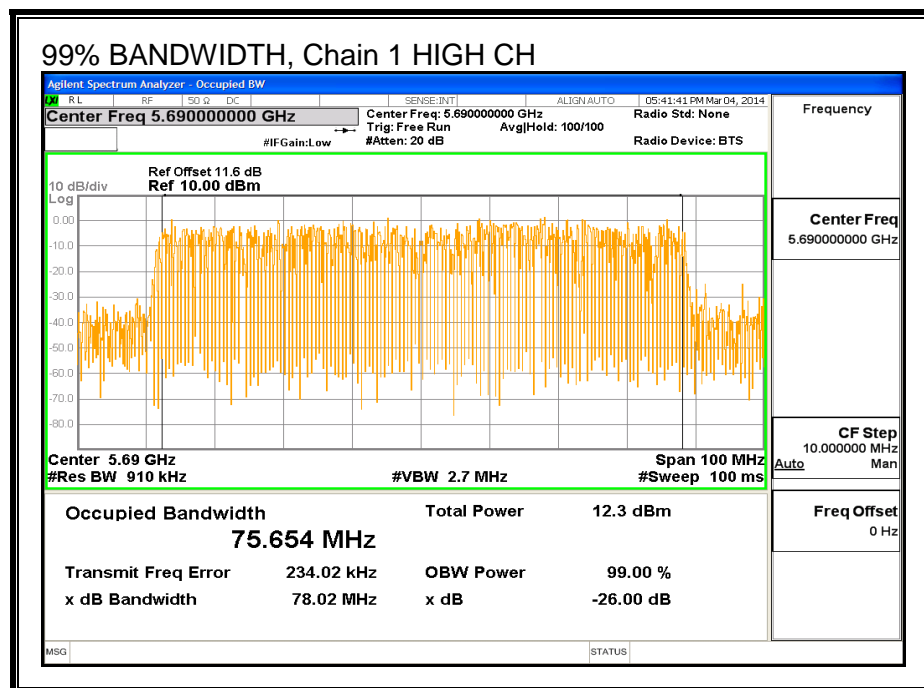
Channel	Frequency (MHz)	99% BW Chain 0 (MHz)	99% BW Chain 1 (MHz)	99% BW Chain 2 (MHz)
138	5690	76.021	75.654	75.514

**99% BANDWIDTH**

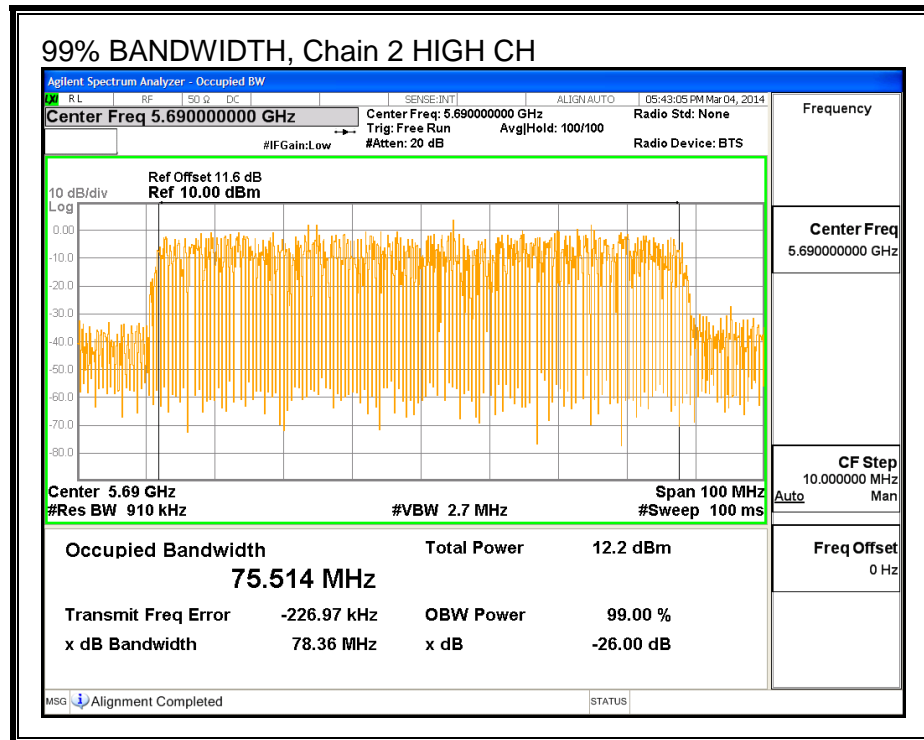
**Chain 0**



**Chain 1**



**Chain 2**





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8.38.3. **OUTPUT POWER AND PPSD**

**LIMITS**

IC RSS-210 A9.2 (3)

The maximum e.i.r.p. shall not exceed 250 mW or  $11 + 10 \log_{10} B$ , dBm, whichever power is less. B is the 99% emission bandwidth in MHz. The e.i.r.p. spectral density shall not exceed 10 dBm in any 1.0 MHz band. The Maximum e.i.r.p shall not exceed 1.0W or  $17 + 10 \log_{10} B$ , dBm, whichever power is less. B is the 99% emission bandwidth in MHz.

**DIRECTIONAL ANTENNA GAIN**

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)	Chain 2 Antenna Gain (dBi)	Correlated Chains Directional Gain (dBi)
5.03	6.66	3.94	10.05

## RESULTS

### For UNII BAND

#### Bandwidth and Antenna Gain

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Min 99% BW (MHz)	Directional Gain for Power (dBi)	Directional Gain for PPSD (dBi)
138	5690	76.14	72.7570	10.05	10.05

#### Limits

Channel	Frequency (MHz)	FCC Power Limit (dBm)	IC Power Limit (dBm)	IC EIRP Limit (dBm)	Power Limit (dBm)	FCC PPSD Limit (dBm)	IC PSD Limit (dBm)	PPSD Limit (dBm)
138	5690	19.95	24.00	30.00	19.95	6.95	11.00	6.95

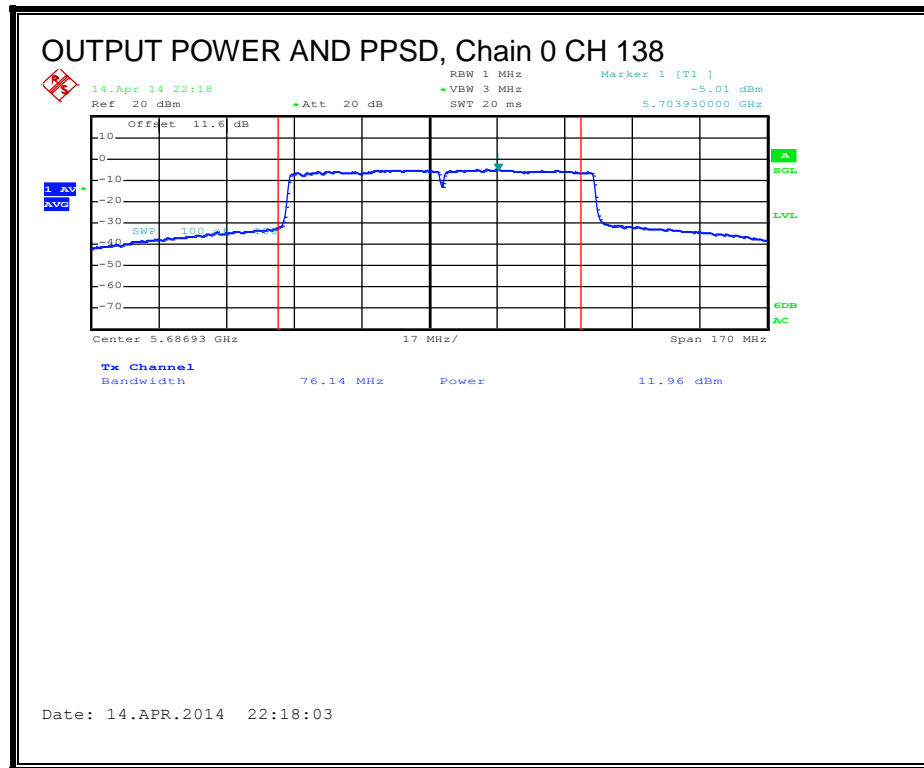
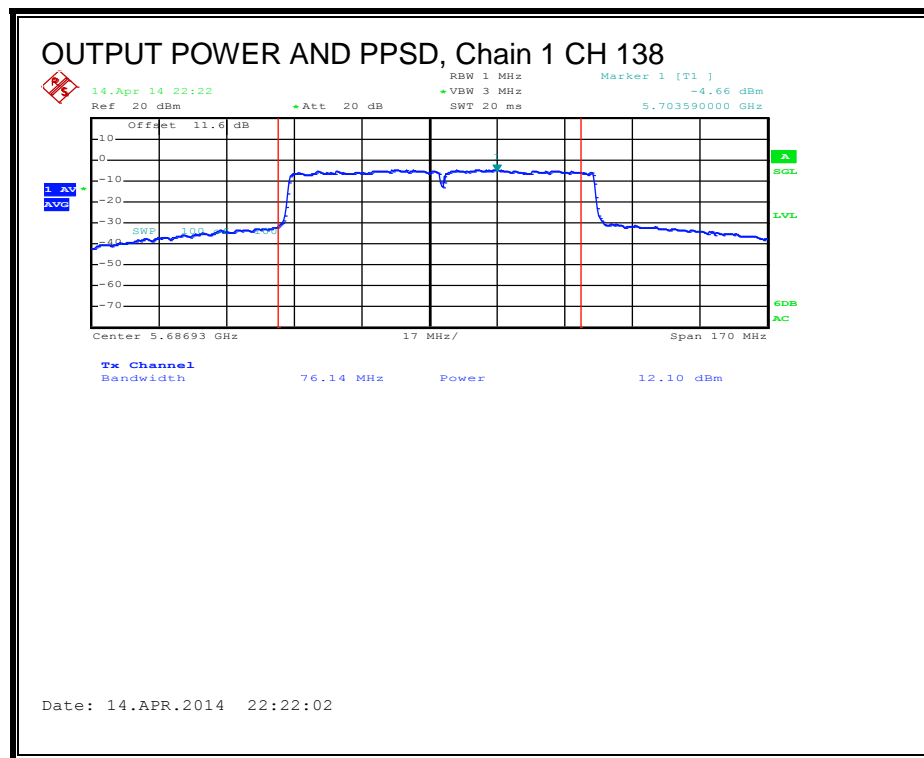
Duty Cycle CF (dB)	0.85	Included in Calculations of Corr'd & PPSD
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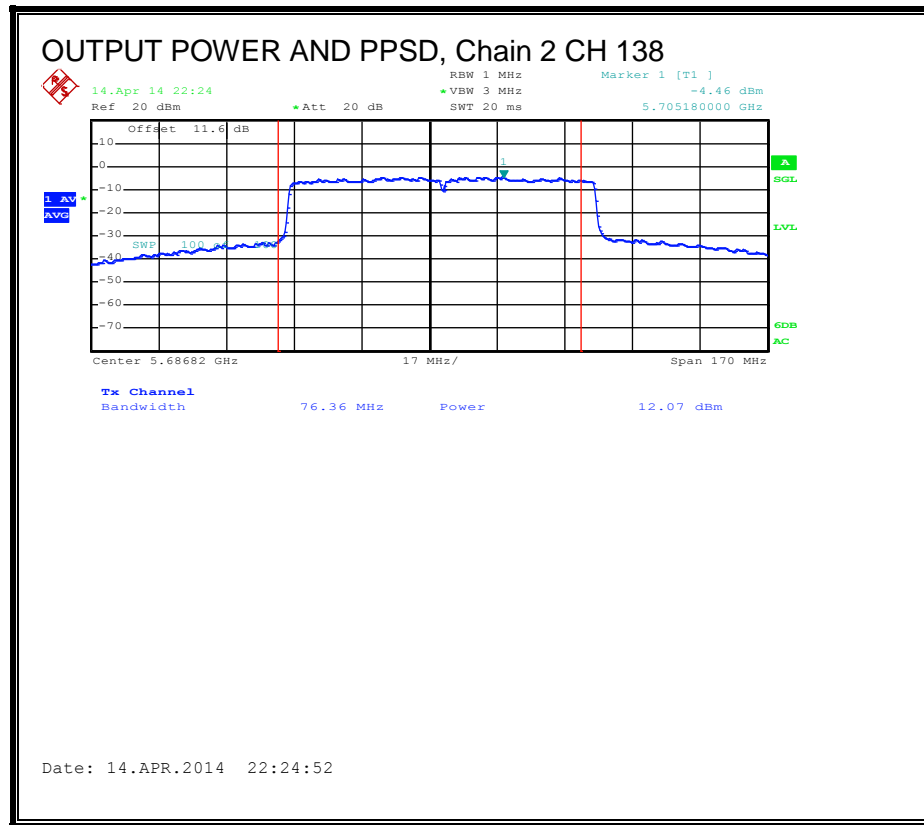
#### Output Power Results

Channel	Frequency (MHz)	Chain 0 Meas Power (dBm)	Chain 1 Meas Power (dBm)	Chain 2 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
138	5690	11.96	12.10	12.07	17.66	19.95	-2.29

#### PPSD Results

Channel	Frequency (MHz)	Chain 0 Meas PPSD (dBm)	Chain 1 Meas PPSD (dBm)	Chain 2 Meas PPSD (dBm)	Total Corr'd PPSD (dBm)	PPSD Limit (dBm)	PPSD Margin (dB)
138	5690	-5.01	-4.66	-4.46	0.92	6.95	-6.03

**OUTPUT POWER AND PPSD, Chain 0****OUTPUT POWER AND PPSD, Chain 1**

**OUTPUT POWER AND PPSD, Chain 2**

## RESULTS

### For UNII-3 BAND

#### Bandwidth and Antenna Gain

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Min 99% BW (MHz)	Directional Gain for Power (dBi)	Directional Gain for PPSD (dBi)
138	5690	6.14	2.7500	10.05	10.05

#### Limits

Channel	Frequency (MHz)	FCC Power Limit (dBm)	IC Power Limit (dBm)	IC EIRP Limit (dBm)	Power Limit (dBm)	FCC PPSD Limit (dBm)	IC PSD Limit (dBm)	PPSD Limit (dBm)
138	5690	25.95	15.39	21.39	25.95	25.95	11.00	11.00

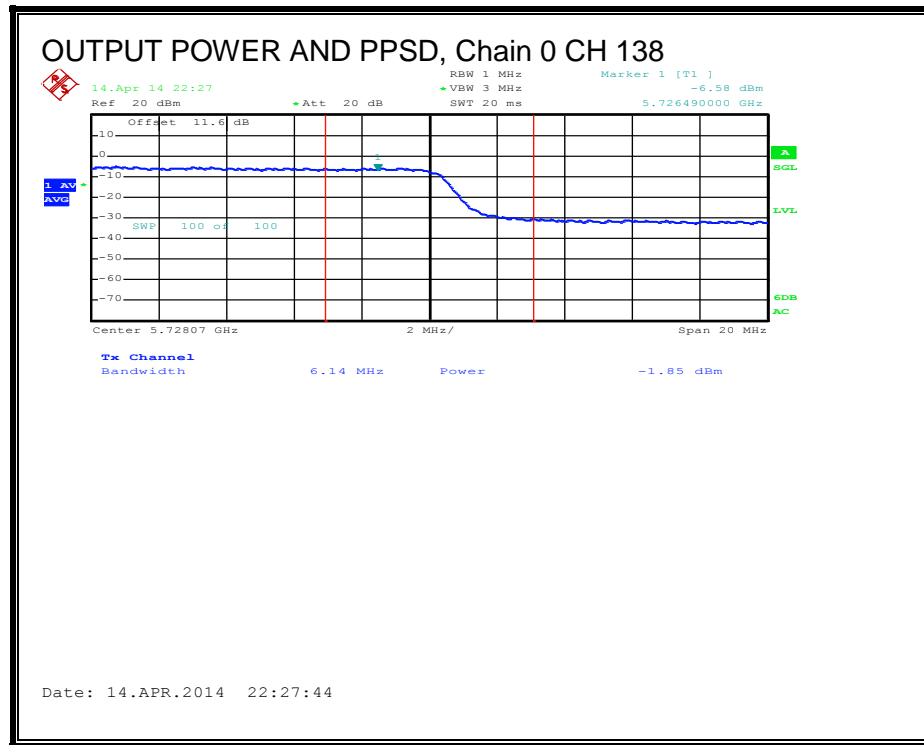
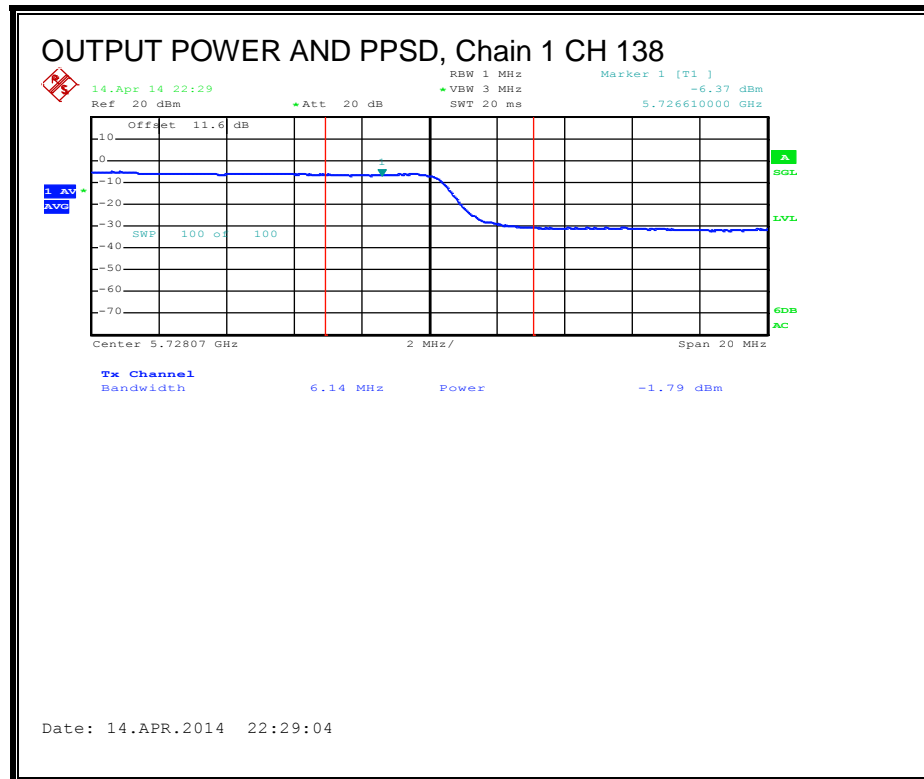
Duty Cycle CF (dB)	0.85	Included in Calculations of Corr'd Power & PPSP
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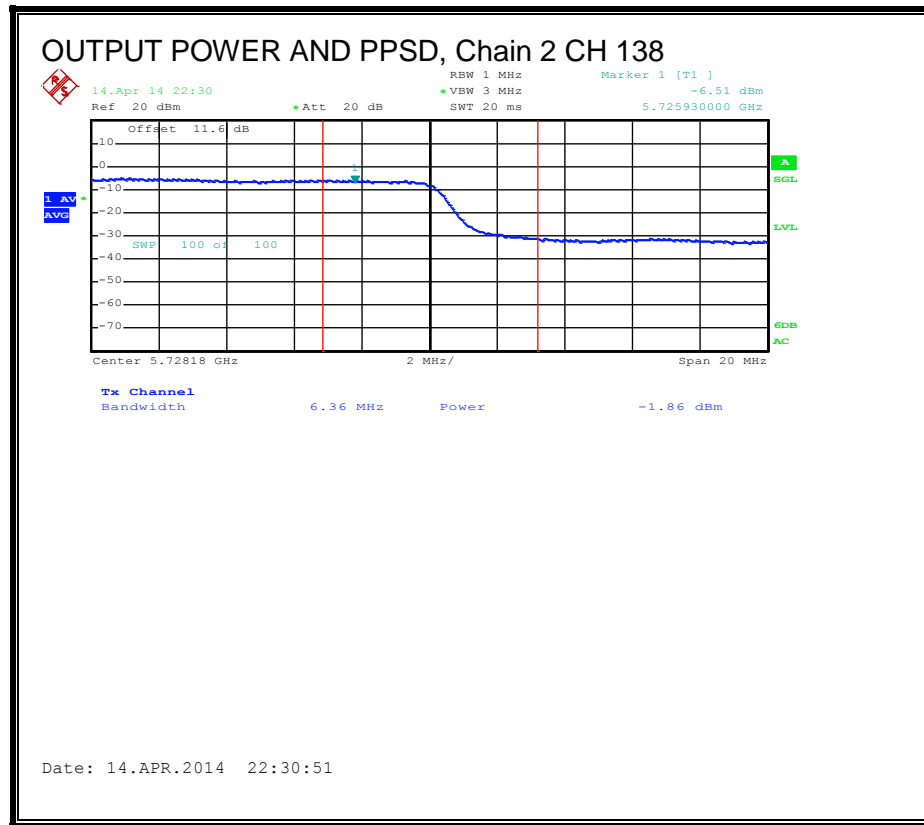
#### Output Power Results

Channel	Frequency (MHz)	Chain 0 Meas Power (dBm)	Chain 1 Meas Power (dBm)	Chain 2 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
138	5690	-1.85	-1.79	-1.86	3.79	25.95	-22.16

#### PPSD Results

Channel	Frequency (MHz)	Chain 0 Meas PPSD (dBm)	Chain 1 Meas PPSD (dBm)	Chain 2 Meas PPSD (dBm)	Total Corr'd PPSD (dBm)	PPSD Limit (dBm)	PPSD Margin (dB)
138	5690	-6.58	-6.37	-6.51	-0.86	25.95	-26.81

**OUTPUT POWER AND PPSD, Chain 0****OUTPUT POWER AND PPSD, Chain 1**

**OUTPUT POWER AND PPSD, Chain 2**

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8.38.4. **AVERAGE OUTPUT POWER (WHOLE  
FUNDAMENTAL)**

**LIMITS**

None; for reporting purposes only.

**TEST PROCEDURE**

The transmitter output is connected to a power meter.

The cable assembly insertion loss of 10.6 dB (including 10 dB pad and 0.6 dB cable) was entered as an offset in the power meter to allow for direct reading of power.

**RESULTS**

**Output Power Results**

Channel	Frequency (MHz)	Chain 0 Meas Power (dBm)	Chain 1 Meas Power (dBm)	Chain 2 Meas Power (dBm)	Total Corr'd Power (dBm)
138	5690	15.01	15.15	15.23	19.90



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**8.39. 802.11a 1TX MODE IN THE 5.8 GHz BAND**

**8.39.1. 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:

<b>Chain 0 Antenna Gain (dBi)</b>	<b>Chain 1 Antenna Gain (dBi)</b>	<b>Chain 2 Antenna Gain (dBi)</b>	<b>Uncorrelated Chains Directional Gain (dBi)</b>
2.66	5.93	6.04	5.13

## **RESULTS**

### **Limits**

Channel	Frequency (MHz)	Directional Gain (dBi)	FCC Power Limit (dBm)	IC Power Limit (dBm)	IC EIRP Limit (dBm)	Max Power (dBm)
Low	5745	5.13	30.00	30	36	30.00
Mid	5765	5.13	30.00	30	36	30.00
High	5825	5.13	30.00	30	36	30.00

### **Results**

Channel	Frequency (MHz)	Chain 0 Meas Power (dBm)	Chain 1 Meas Power (dBm)	Chain 2 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Margin (dB)
Low	5745		16.22		16.22	30.00	-13.78
Mid	5765		21.90		21.90	30.00	-8.10
High	5825		20.80		20.80	30.00	-9.20

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

8.40. **802.11n HT20 CDD 2TX MODE IN THE 5.8 GHz BAND**

8.40.1. **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:

<b>Chain 0 Antenna Gain (dBi)</b>	<b>Chain 1 Antenna Gain (dBi)</b>	<b>Uncorrelated Chains Directional Gain (dBi)</b>
5.93	6.01	5.97

## **RESULTS**

### **Limits**

Channel	Frequency (MHz)	Directional Gain (dBi)	FCC Power Limit (dBm)	IC Power Limit (dBm)	IC EIRP Limit (dBm)	Max Power (dBm)
149	5745	5.97	30.00	30	36	30.00

### **Results**

Channel	Frequency (MHz)	Chain 0 Meas Power (dBm)	Chain 1 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Margi (dB)
149	5745	17.70	17.90	20.81	30.00	-9.19

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

8.41. **802.11n HT20 CDD 3TX MODE IN THE 5.8 GHz BAND**

8.41.1. **6 dB BANDWIDTH**

**LIMITS**

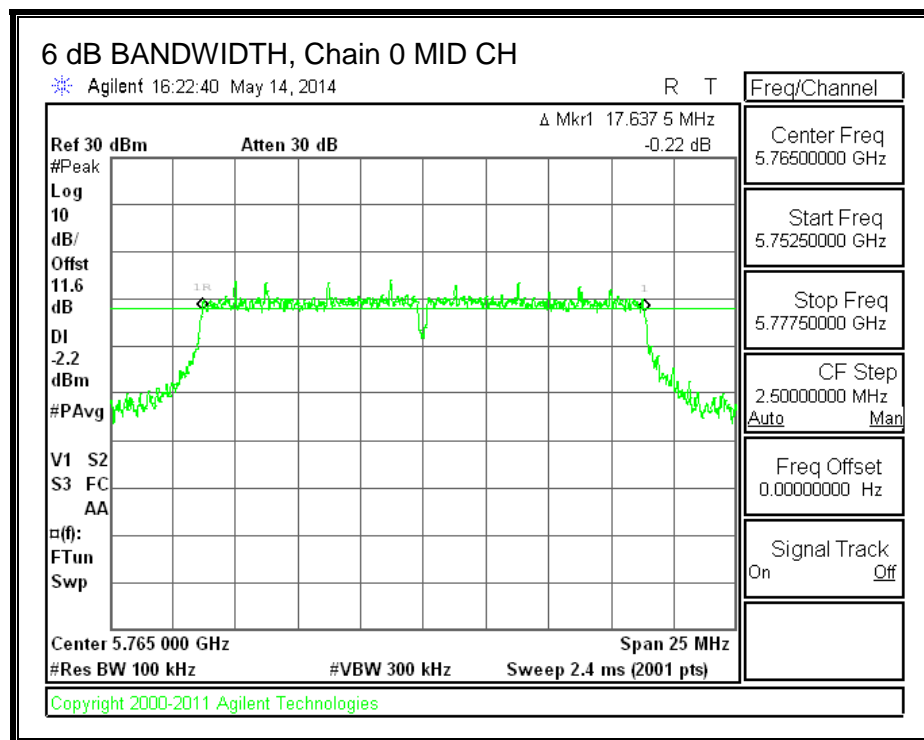
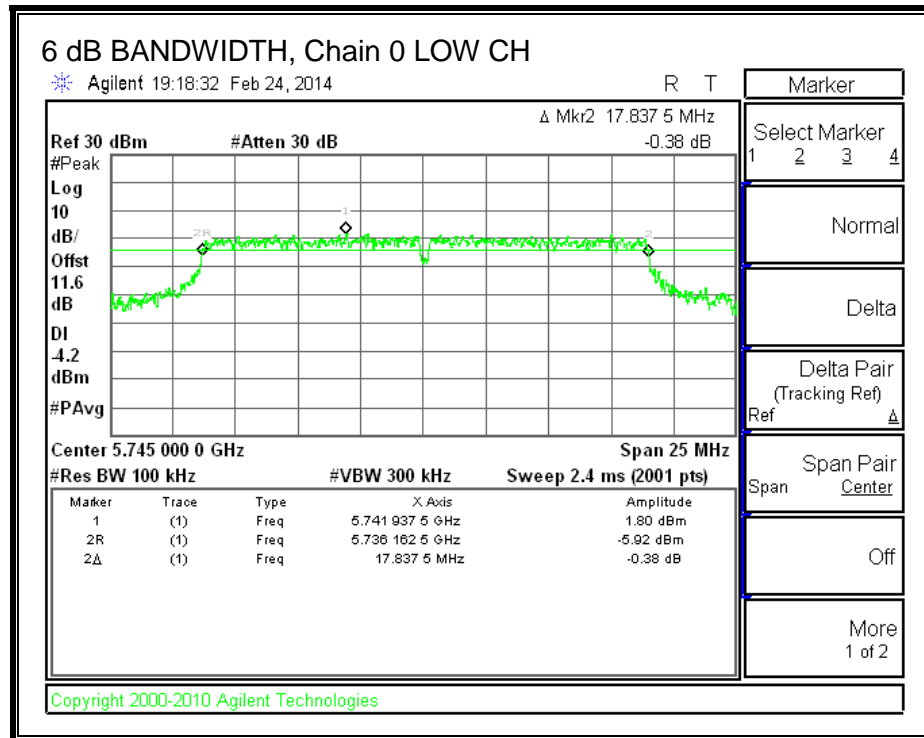
FCC §15.247 (a) (2)

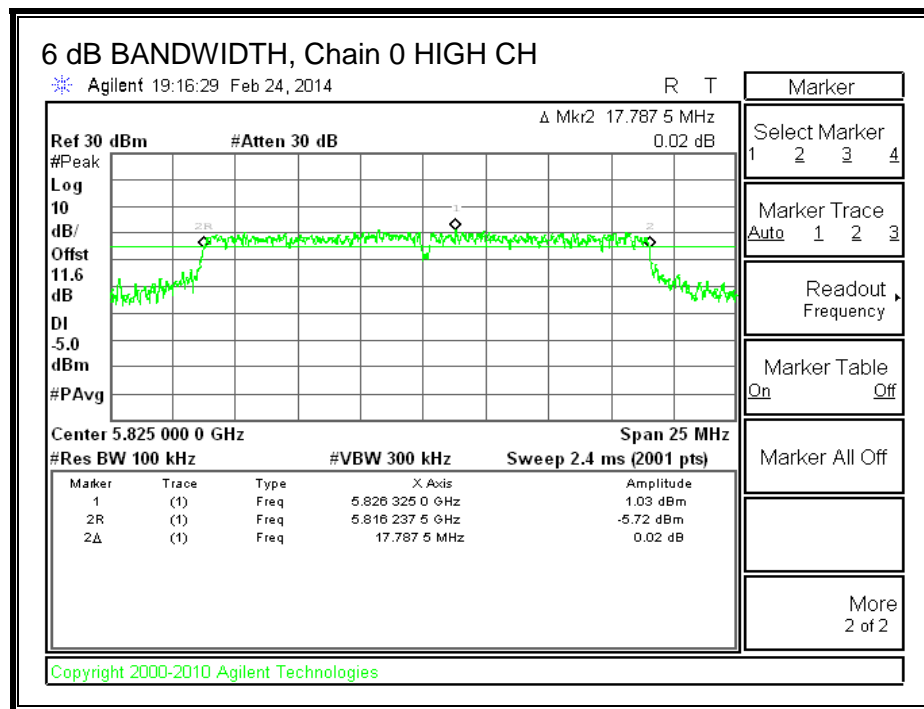
IC RSS-210 A8.2 (a)

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

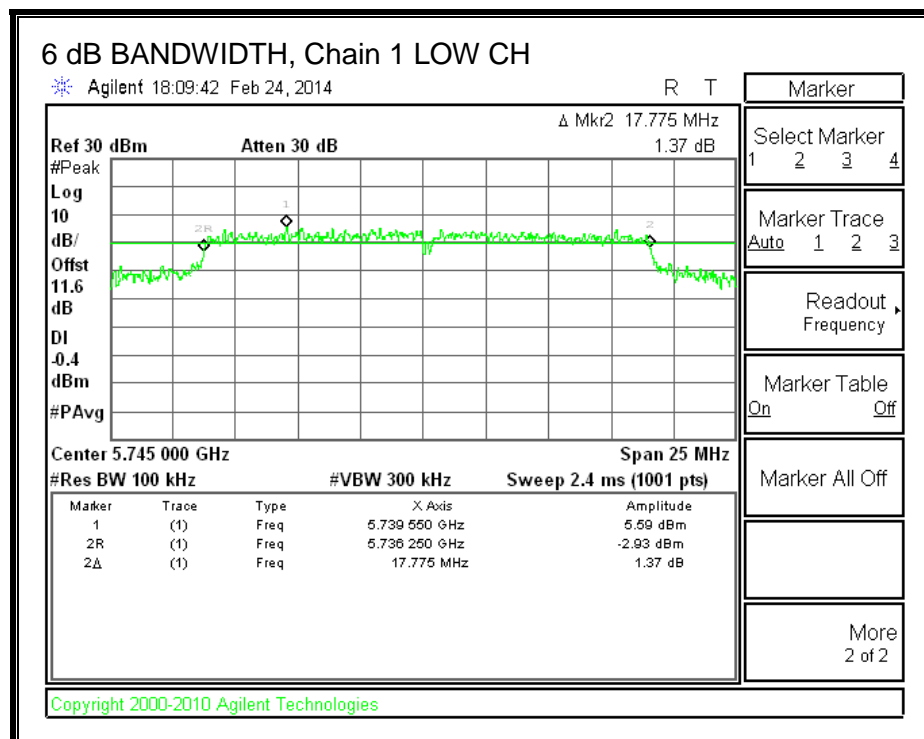
**RESULTS**

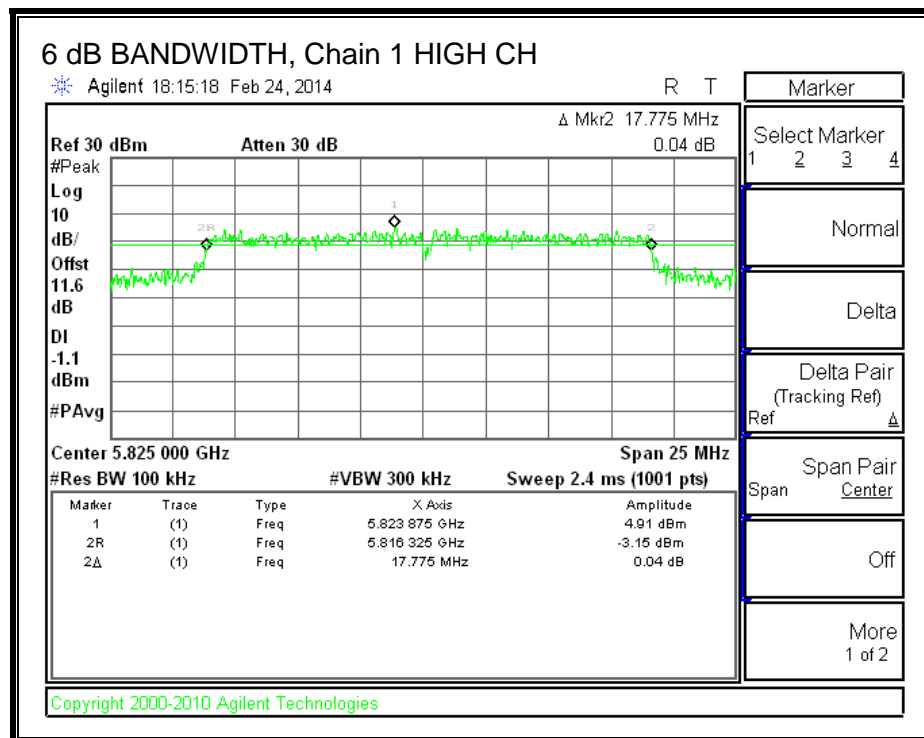
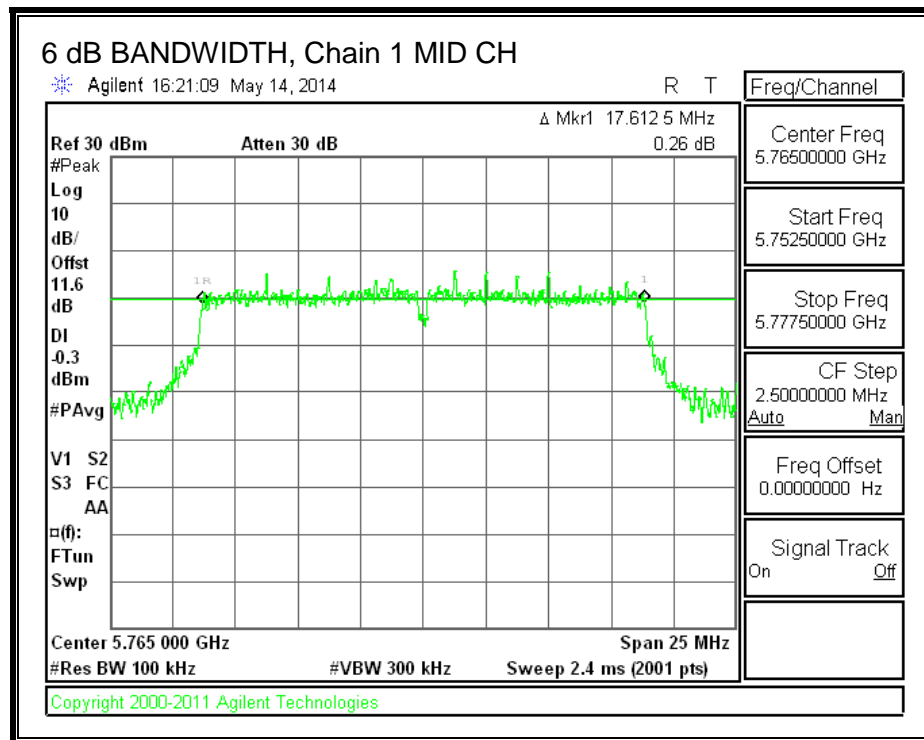
Channel	Frequency (MHz)	6 dB BW Chain 0 (MHz)	6 dB BW Chain 1 (MHz)	6 dB BW Chain 2 (MHz)	Minimum Limit (MHz)
Low	5745	17.8375	17.7750	17.8375	0.5
Mid	5765	17.6375	17.6125	17.6125	0.5
High	5825	17.7875	17.7750	17.7375	0.5

**6 dB BANDWIDTH, Chain 0**

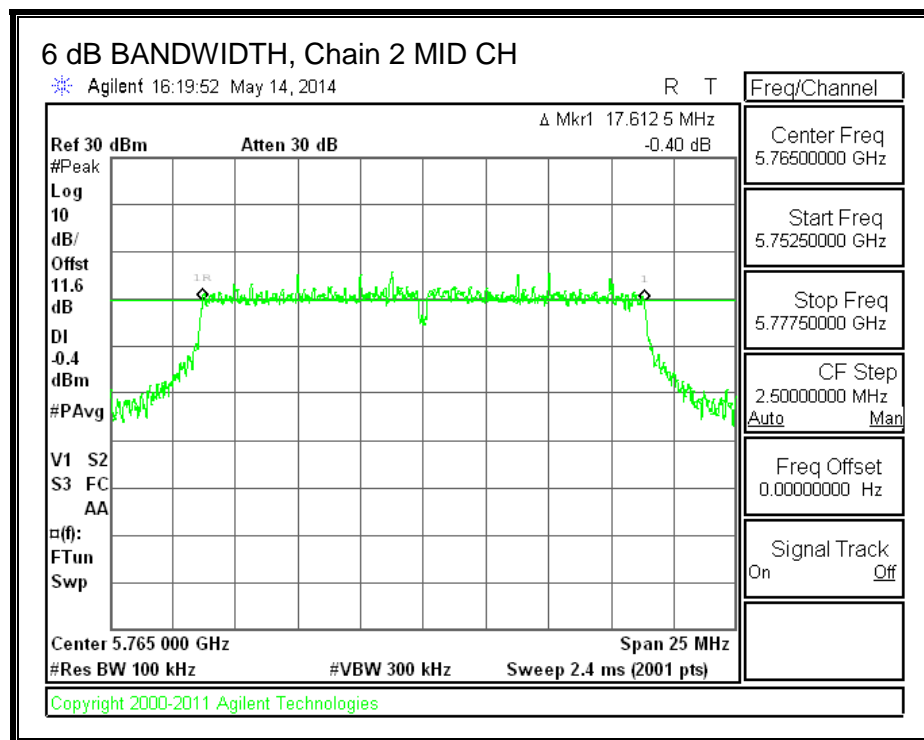
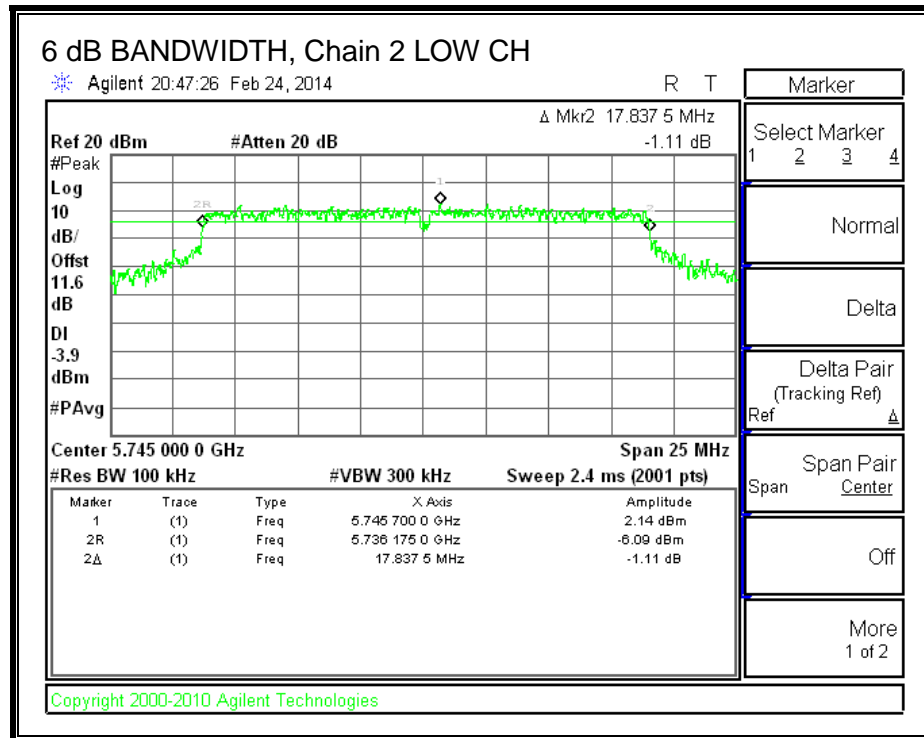


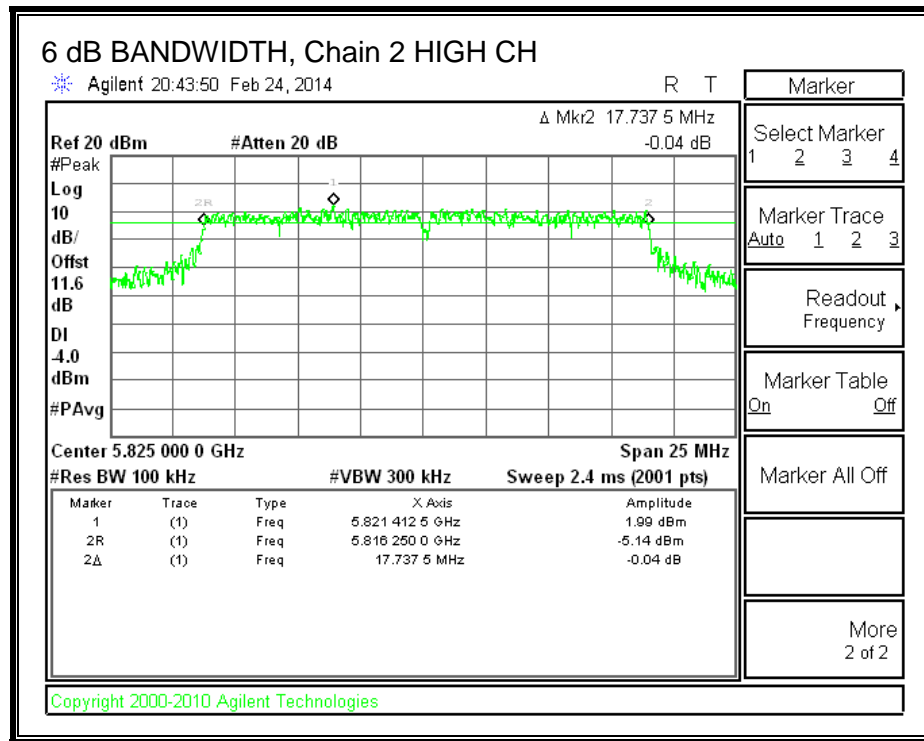
**6 dB BANDWIDTH, Chain 1**







**6 dB BANDWIDTH, Chain 2**



8.41.2. **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)	Chain 2 Antenna Gain (dBi)	Uncorrelated Chains Directional Gain (dBi)
2.66	5.93	6.04	5.13

## RESULTS

### Limits

Channel	Frequency (MHz)	Directional Gain (dBi)	FCC Power Limit (dBm)	IC Power Limit (dBm)	IC EIRP Limit (dBm)	Max Power (dBm)
149	5745	5.13	30.00	30	36	30.00
153	5765	5.13	30.00	30	36	30.00
157	5785	5.13	30.00	30	36	30.00
161	5805	5.13	30.00	30	36	30.00
165	5825	5.13	30.00	30	36	30.00

### Results

Channel	Frequency (MHz)	Chain 0 Meas Power (dBm)	Chain 1 Meas Power (dBm)	Chain 2 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Margin (dB)
149	5745	14.80	14.40	14.70	19.41	30.00	-10.59
153	5765	18.10	18.30	18.40	23.04	30.00	-6.96
157	5785	18.66	18.41	18.23	23.21	30.00	-6.79
161	5805	21.00	21.10	21.10	25.84	30.00	-4.16
165	5825	17.60	17.40	17.50	22.27	30.00	-7.73

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

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8.41.3. **POWER SPECTRAL DENSITY**

**LIMITS**

FCC §15.407 (a) (3)

For the band 5.725-5.85 GHz, 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 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)	Chain 2 Antenna Gain (dBi)	Correlated Chains Directional Gain (dBi)
2.66	5.93	6.04	9.78

## **RESULTS**

### **Bandwidth and Antenna Gain**

Channel	Frequency (MHz)	Directional Gain for PPSD (dBi)
Low	5745	9.78
Mid	5765	9.78
High	5825	9.78

### **Limits**

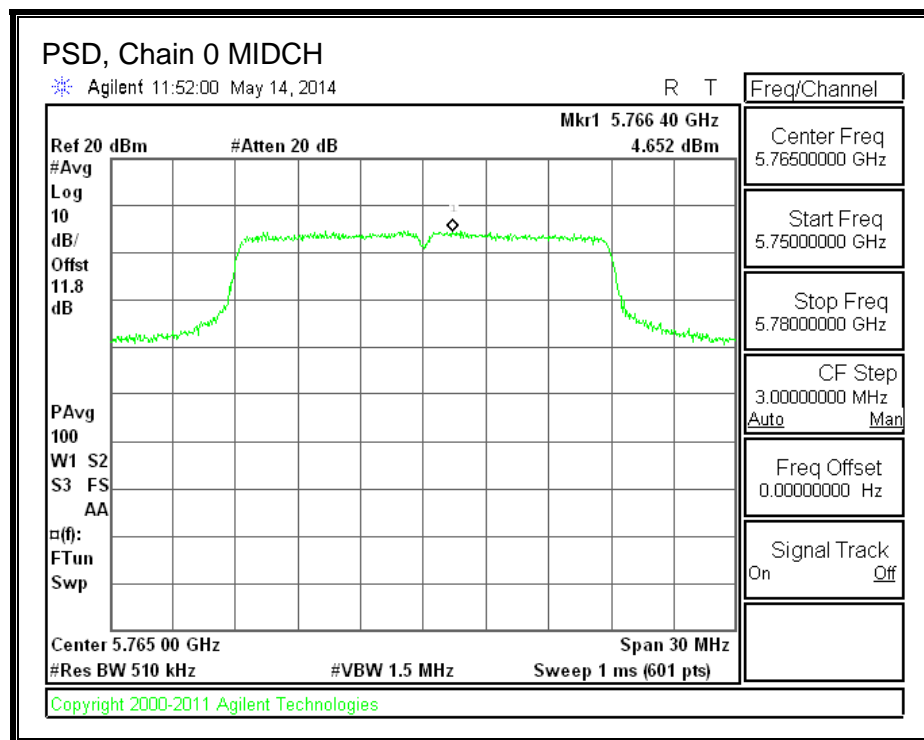
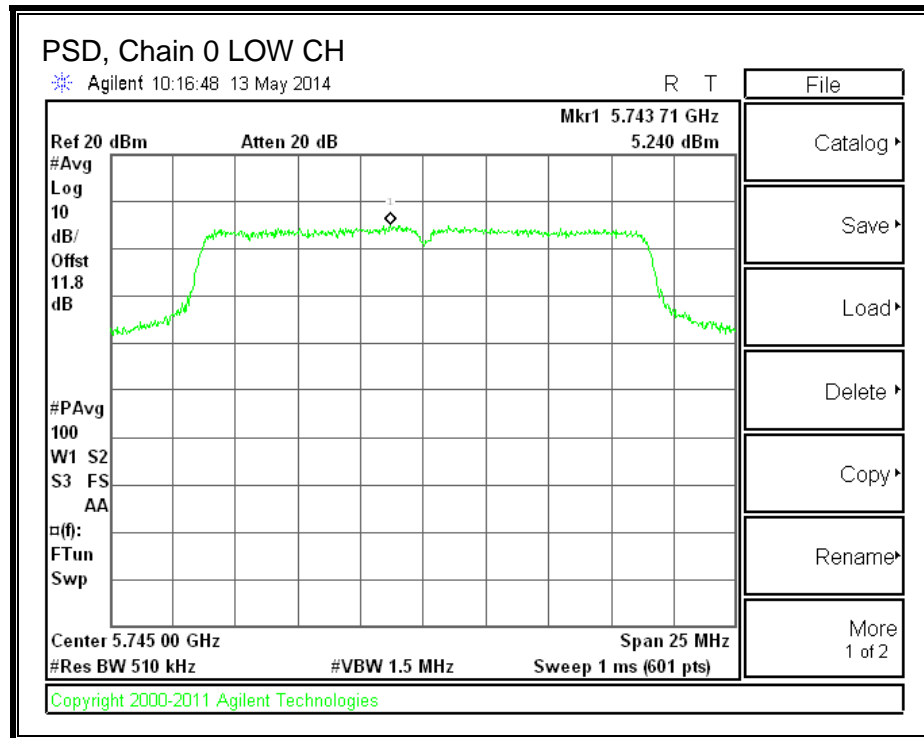
Channel	Frequency (MHz)	FCC PPSD Limit (dBm)
Low	5745	26.22
Mid	5765	26.22
High	5825	26.22

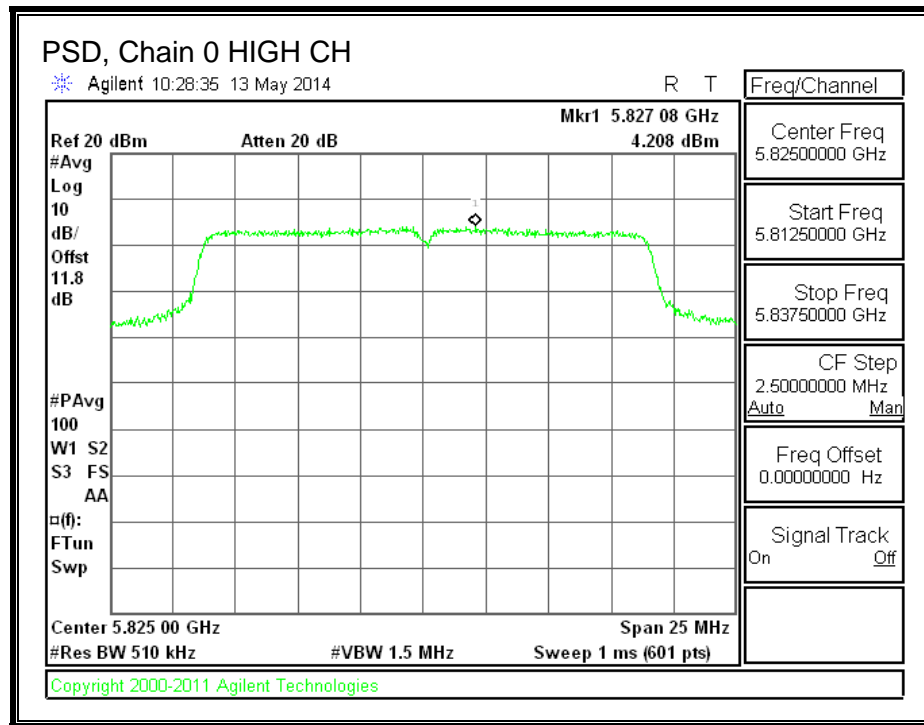
<b>Duty Cycle CF (dB)</b>	0.908	<b>Included in Calculations of PPSD</b>
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### **PPSD Results**

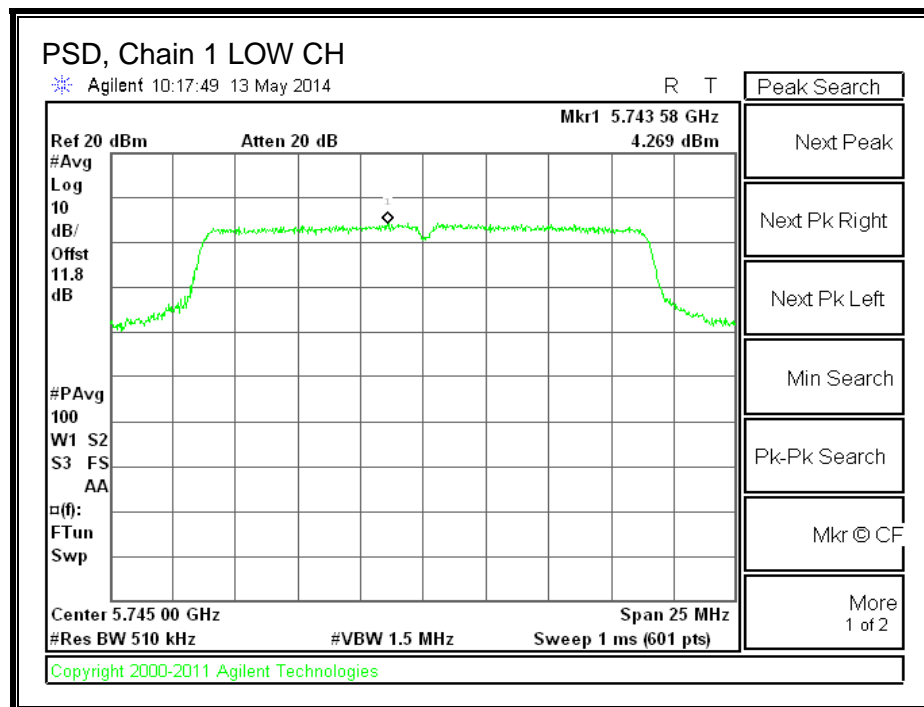
Channel	Frequency (MHz)	Chain 0 Meas PPSD (dBm)	Chain 1 Meas PPSD (dBm)	Chain 2 Meas PPSD (dBm)	Total Corr'd PPSD (dBm)	PPSD Limit (dBm)	PPSD Margin (dB)
Low	5745	5.240	4.269	4.387	10.33	26.22	-15.89
Mid	5765	4.652	4.674	4.884	10.42	26.22	-15.80
High	5825	4.208	3.836	3.930	9.67	26.22	-16.55

**PSD, Chain 0**

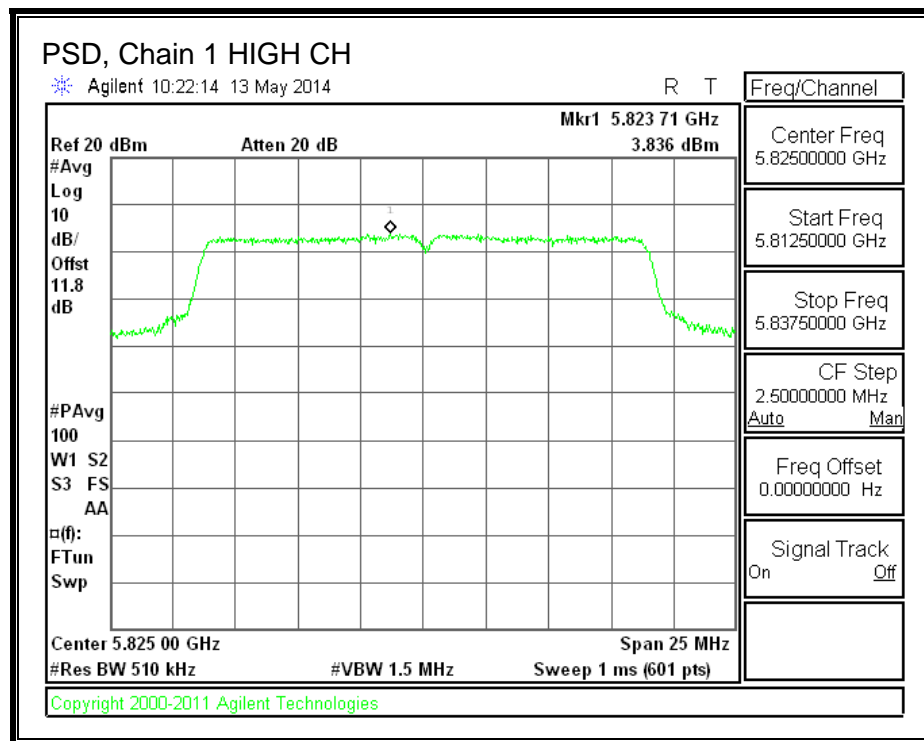
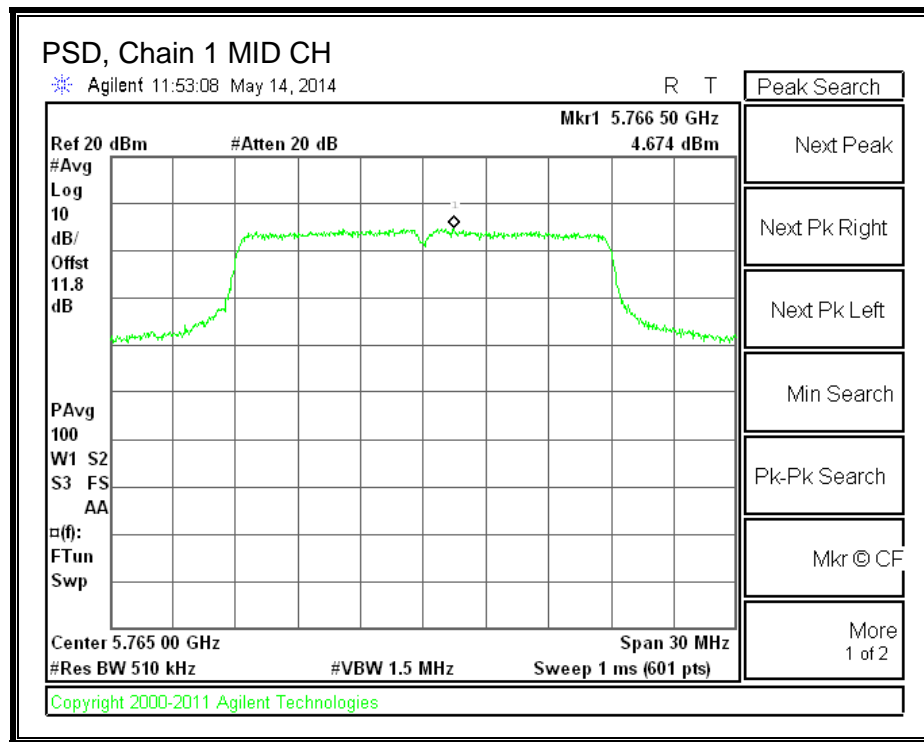




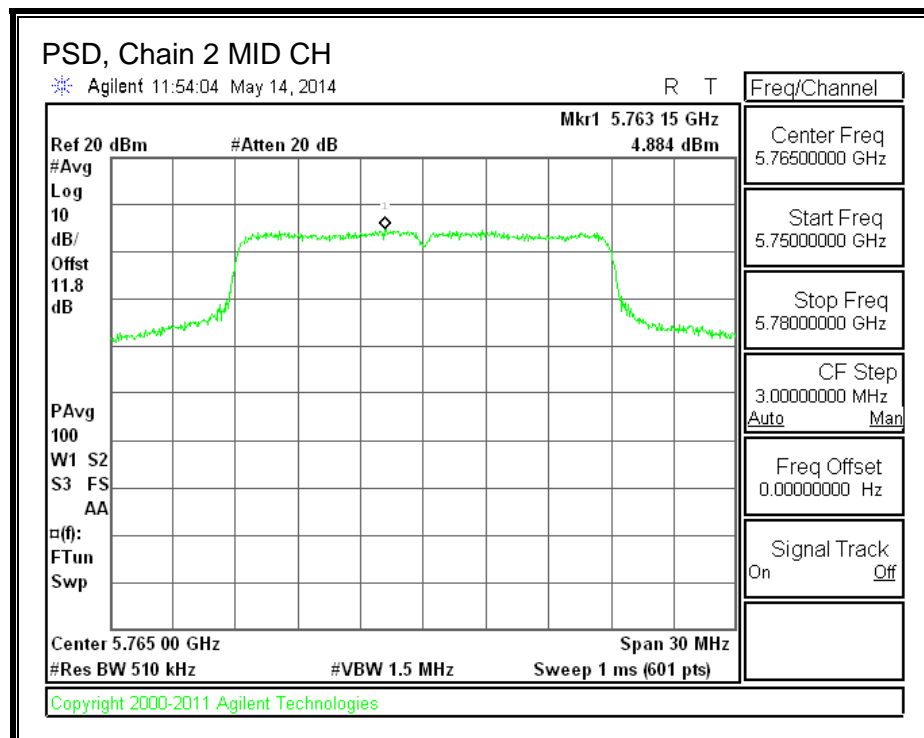
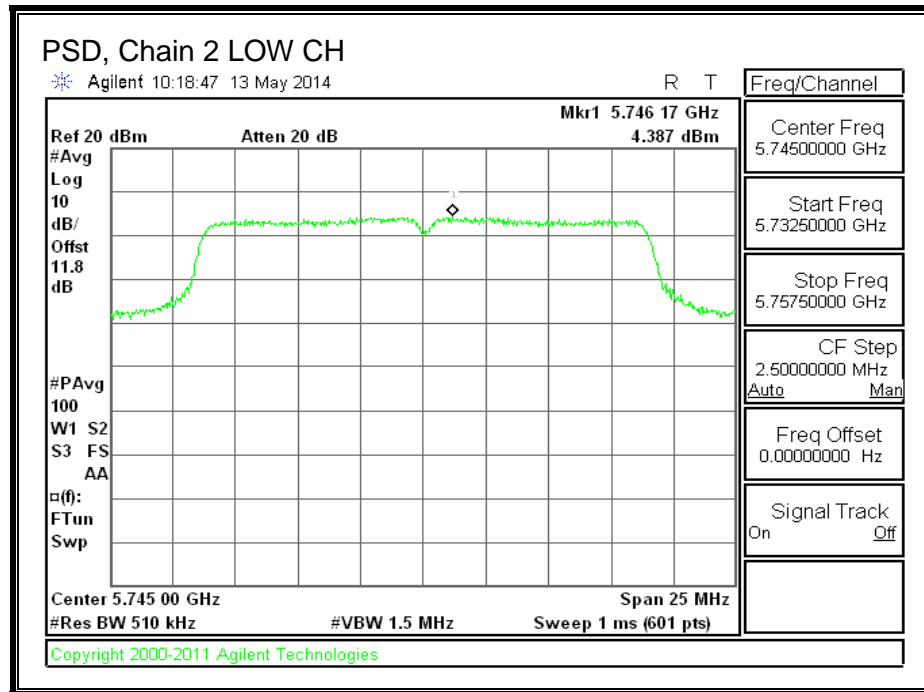
**PSD, Chain 1**

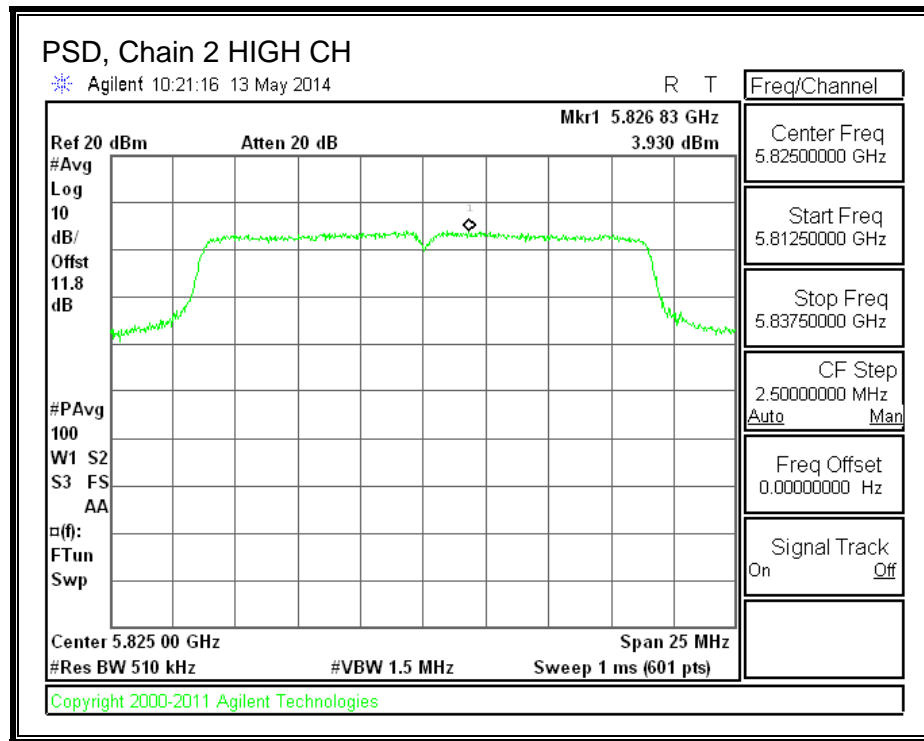






**PSD, Chain 2**





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**8.42. 802.11n HT20 BF 3TX MODE IN THE 5.8 GHz BAND**

**8.42.1. 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 correlated and the antenna gain is unequal among the chains. The directional gain is:

Chain 0 Antenna Gain (dBi)	Chain 1 Antenna Gain (dBi)	Chain 2 Antenna Gain (dBi)	Correlated Chains Directional Gain (dBi)
2.66	5.93	6.04	9.78

## **RESULTS**

### **Limits**

Channel	Frequency (MHz)	Directional Gain (dBi)	FCC Power Limit (dBm)	IC Power Limit (dBm)	IC EIRP Limit (dBm)	Max Power (dBm)
Low	5745	9.78	26.22	30	36	26.22
Mid	5765	9.78	26.22	30	36	26.22
High	5825	9.78	26.22	30	36	26.22

### **Results**

Channel	Frequency (MHz)	Chain 0 Meas Power (dBm)	Chain 1 Meas Power (dBm)	Chain 2 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Margin (dB)
Low	5745	16.30	16.90	16.70	21.41	26.22	-4.81
Mid	5765	18.10	18.30	18.10	22.94	26.22	-3.28
High	5825	18.10	18.20	18.40	23.01	26.22	-3.21

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

## 8.42.2. POWER SPECTRAL DENSITY

### **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 correlated and the antenna gain is unequal among the chains. The directional gain is:

Chain 0 Antenna Gain (dBi)	Chain 1 Antenna Gain (dBi)	Chain 2 Antenna Gain (dBi)	Correlated Chains Directional Gain (dBi)
2.66	5.93	6.04	9.78

## RESULTS

### Bandwidth and Antenna Gain

Channel	Frequency (MHz)	Directional Gain for PPSD (dBi)
Low	5745	9.78
Mid	5765	9.78
High	5825	9.78

### Limits

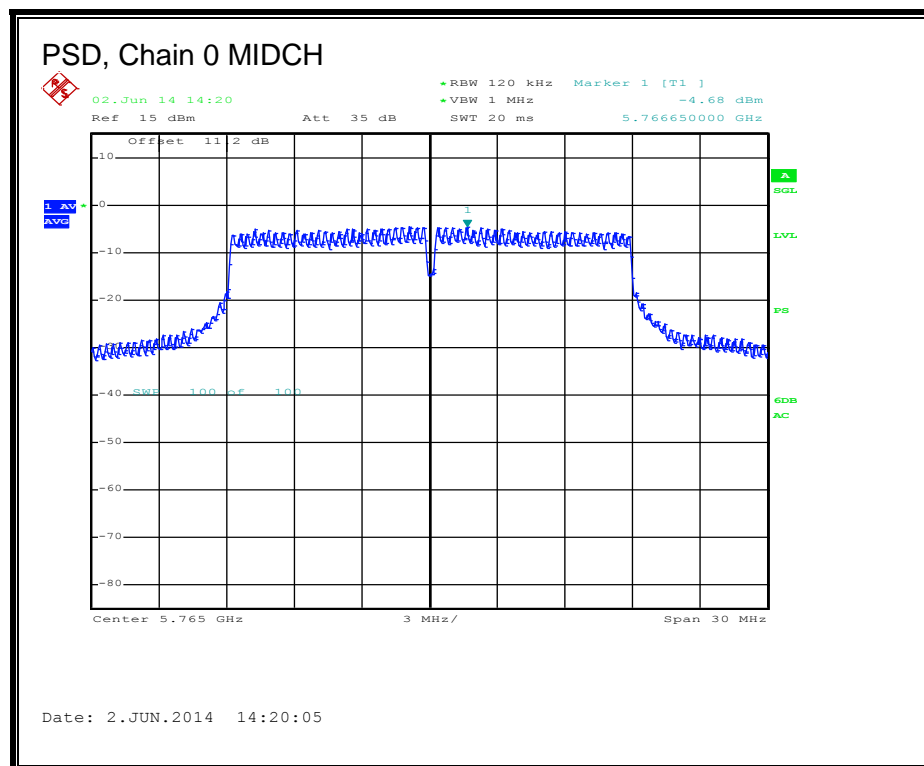
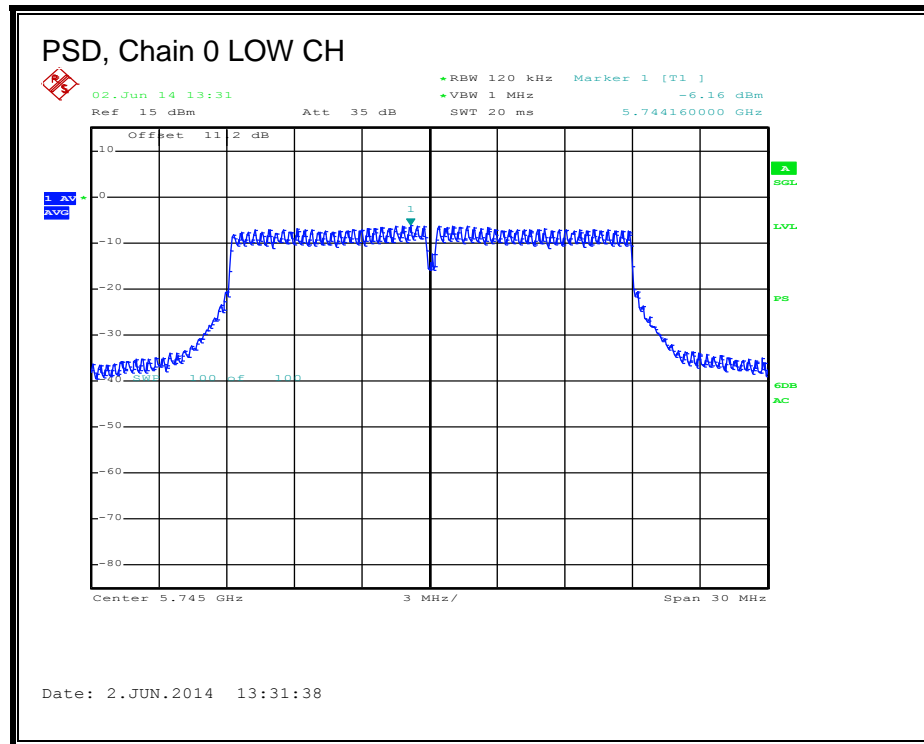
Channel	Frequency (MHz)	FCC PPSD Limit (dBm)
Low	5745	26.22
Mid	5765	26.22
High	5825	26.22

Duty Cycle CF (dB)	0.908	Included in Calculations of PPSD
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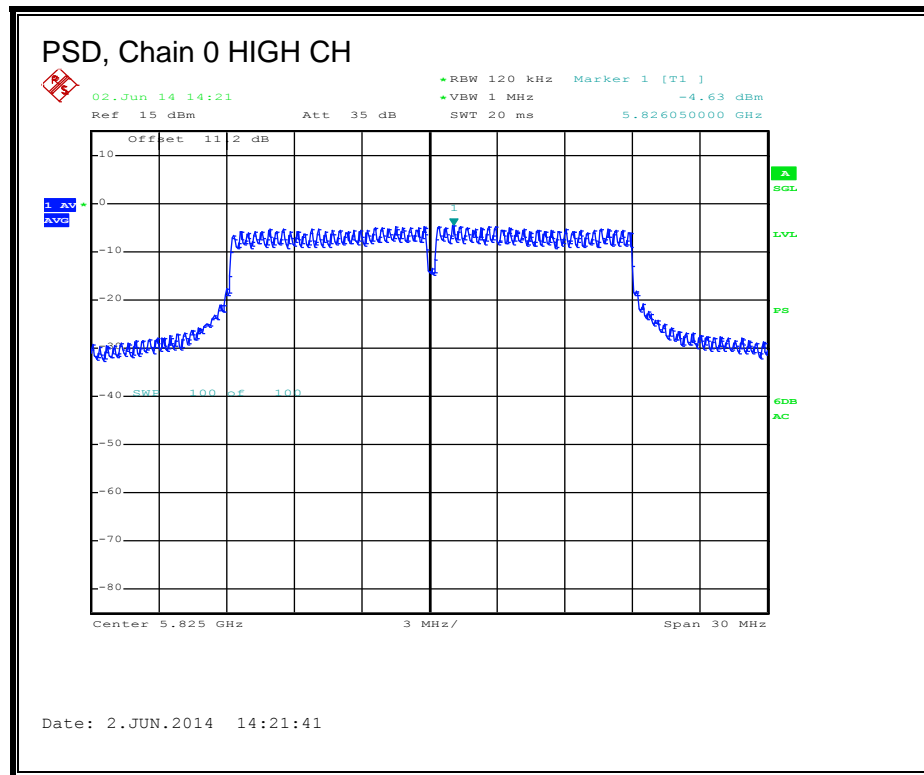
### PPSD Results

Channel	Frequency (MHz)	Chain 0 Meas PPSD (dBm)	Chain 1 Meas PPSD (dBm)	Chain 2 Meas PPSD (dBm)	Reduced RBW Correction Factor (dBm)	Total Corr'd PPSD (dBm)	PPSD Limit (dBm)	PPSD Margin (dB)
Low	5745	-6.16	-6.14	-5.68	6.20	5.89	26.22	-20.33
Mid	5765	-4.68	-4.30	-4.02	6.20	7.55	26.22	-18.67
High	5825	-4.63	-4.78	-4.58	6.20	7.21	26.22	-19.01

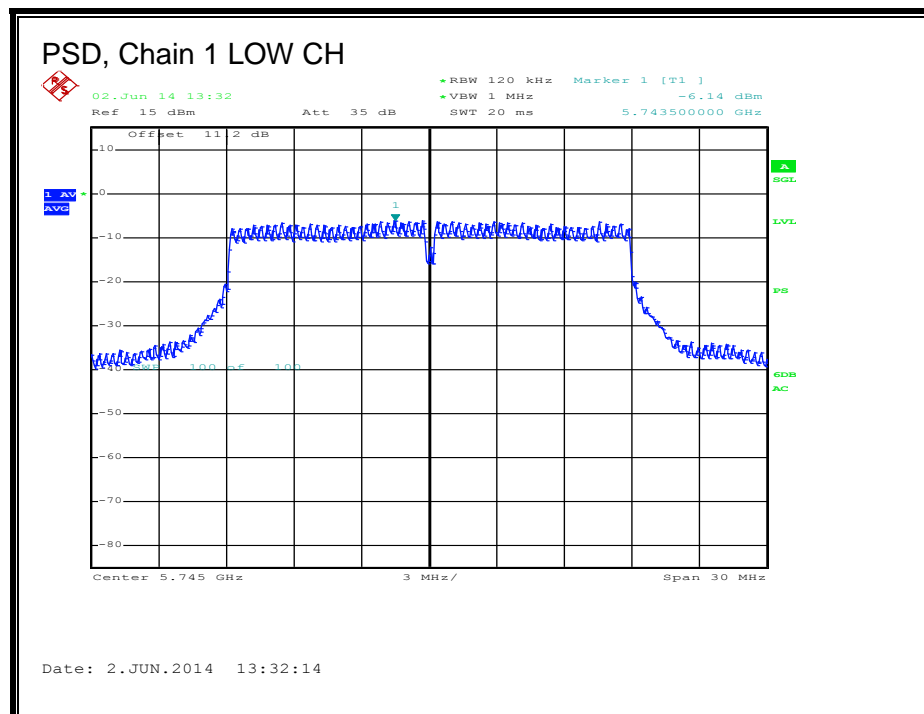
**PSD, Chain 0**

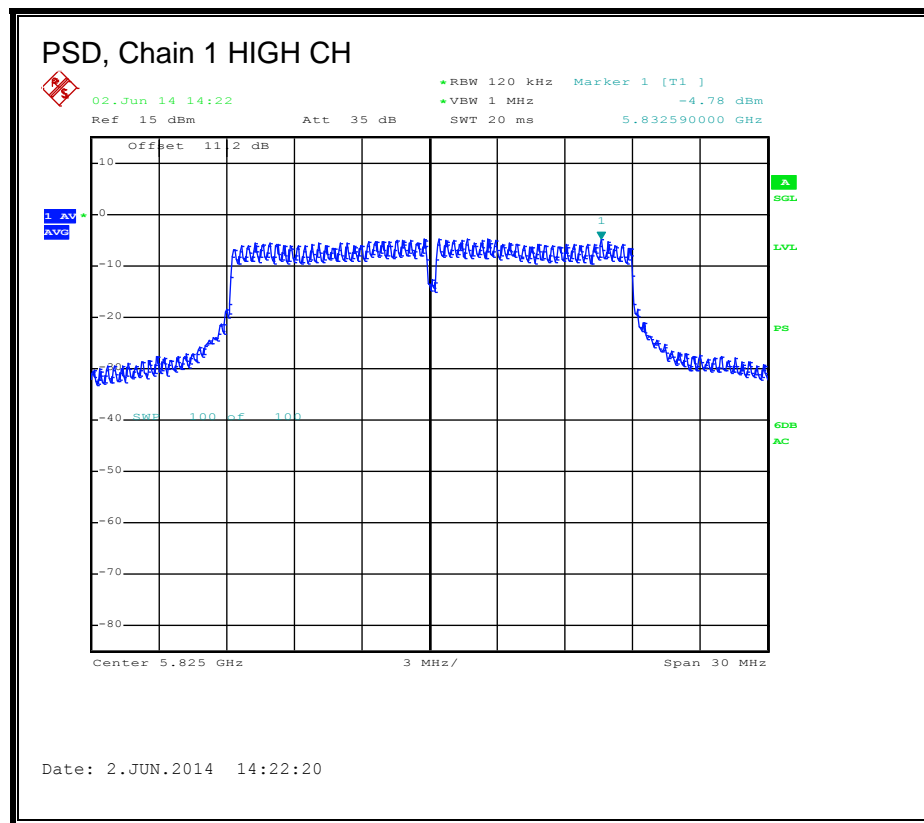
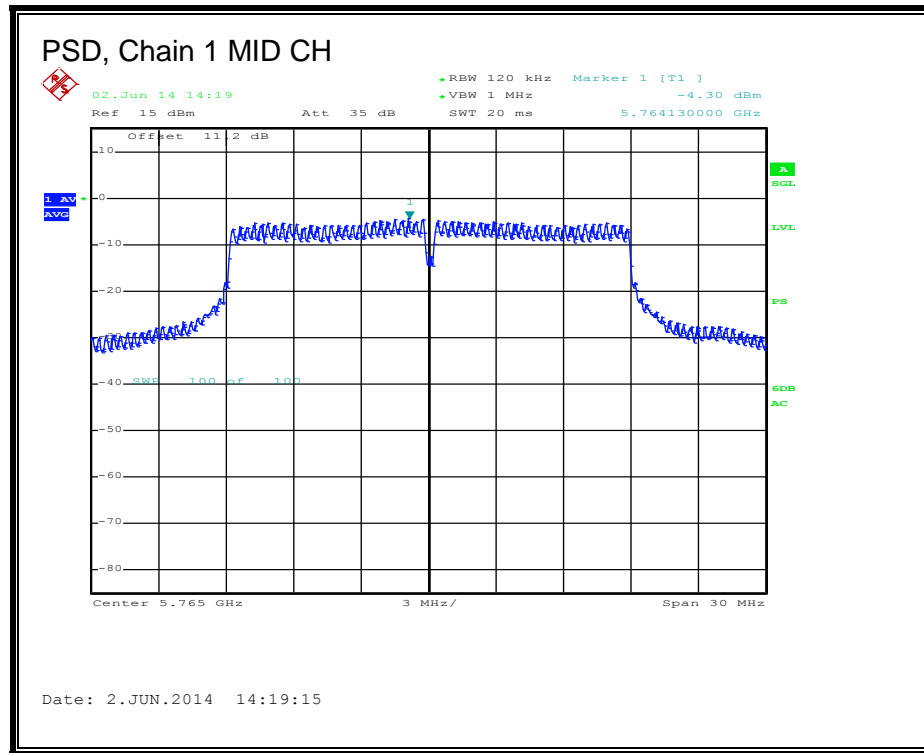


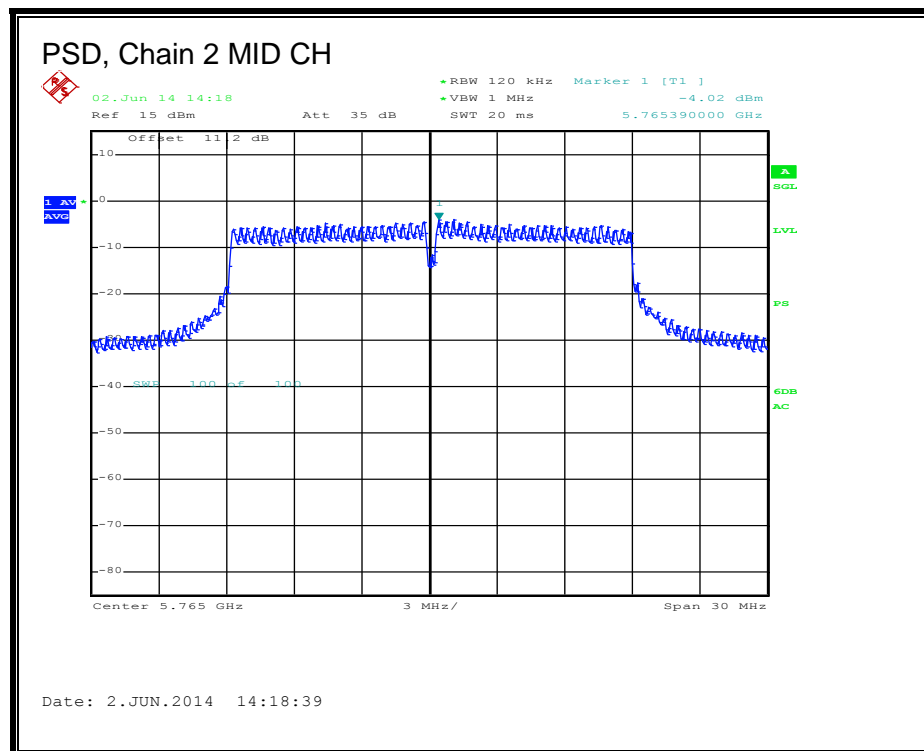
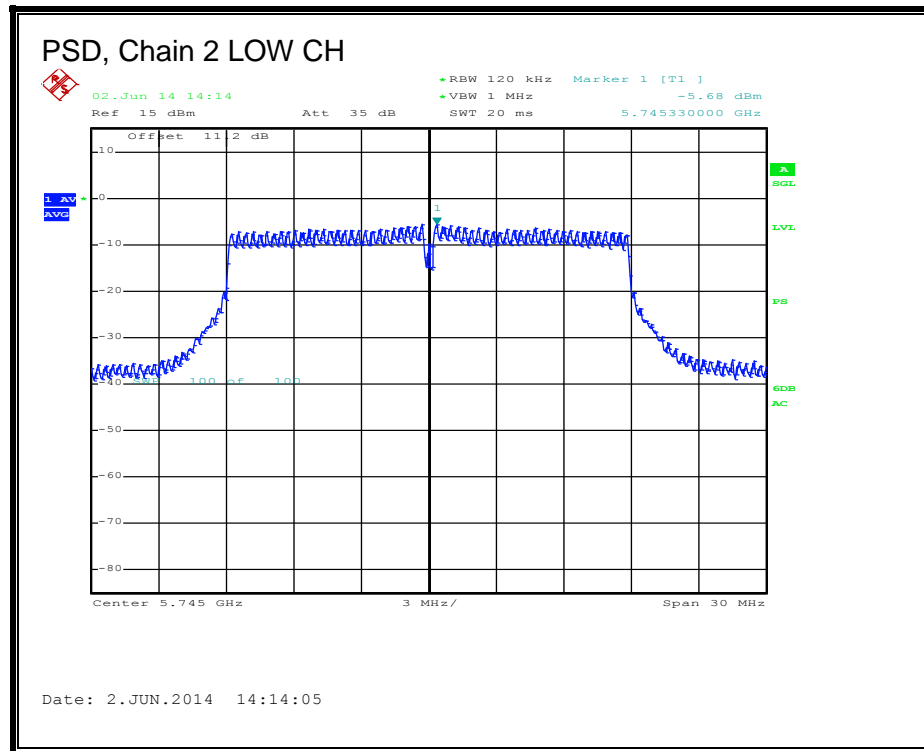


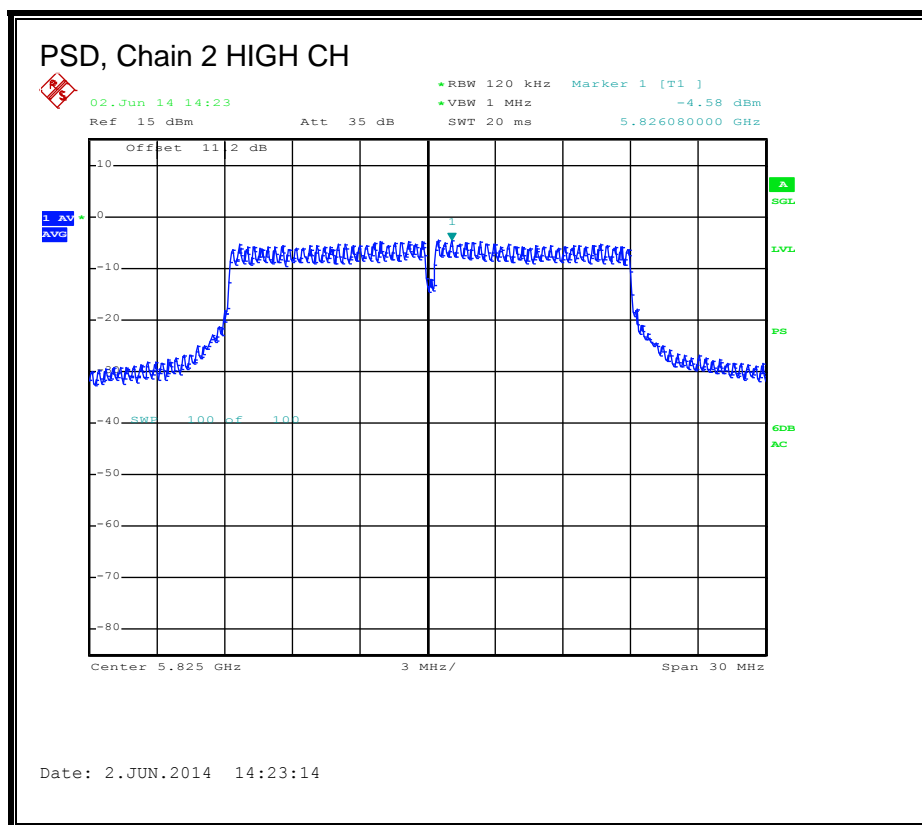


**PSD, Chain 1**





**PSD, Chain 2**



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**8.43. 802.11n HT40 1TX MODE IN THE 5.8 GHz BAND**

**8.43.1. 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**

There is only one transmitter output therefore the directional gain is equal to the antenna gain.

## **RESULTS**

### **Limits**

Channel	Frequency (MHz)	Directional Gain (dBi)	FCC Power Limit (dBm)	IC Power Limit (dBm)	IC EIRP Limit (dBm)	Max Power (dBm)
Low	5755	6.04	29.96	30	36	29.96

### **Results**

Channel	Frequency (MHz)	Chain 0 Meas Power (dBm)	Chain 1 Meas Power (dBm)	Chain 2 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Margin (dB)
Low	5755		14.70		14.70	29.96	-15.26

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

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8.44. **802.11n HT40 CDD 2TX MODE IN THE 5.8 GHz BAND**

8.44.1. **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:

<b>Chain 0 Antenna Gain (dBi)</b>	<b>Chain 1 Antenna Gain (dBi)</b>	<b>Uncorrelated Chains Directional Gain (dBi)</b>
5.93	6.01	5.97

## **RESULTS**

### **Limits**

Channel	Frequency (MHz)	Directional Gain (dBi)	FCC Power Limit (dBm)	IC Power Limit (dBm)	IC EIRP Limit (dBm)	Max Power (dBm)
Low	5755	5.97	30.00	30	36	30.00

### **Results**

Channel	Frequency (MHz)	Chain 0 Meas Power (dBm)	Chain 1 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Margin (dB)
Low	5755	15.10	15.20	18.16	30.00	-11.84

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



**8.45. 802.11n HT40 CDD 3TX MODE IN THE 5.8 GHz BAND**

**8.45.1. 6 dB BANDWIDTH**

**LIMITS**

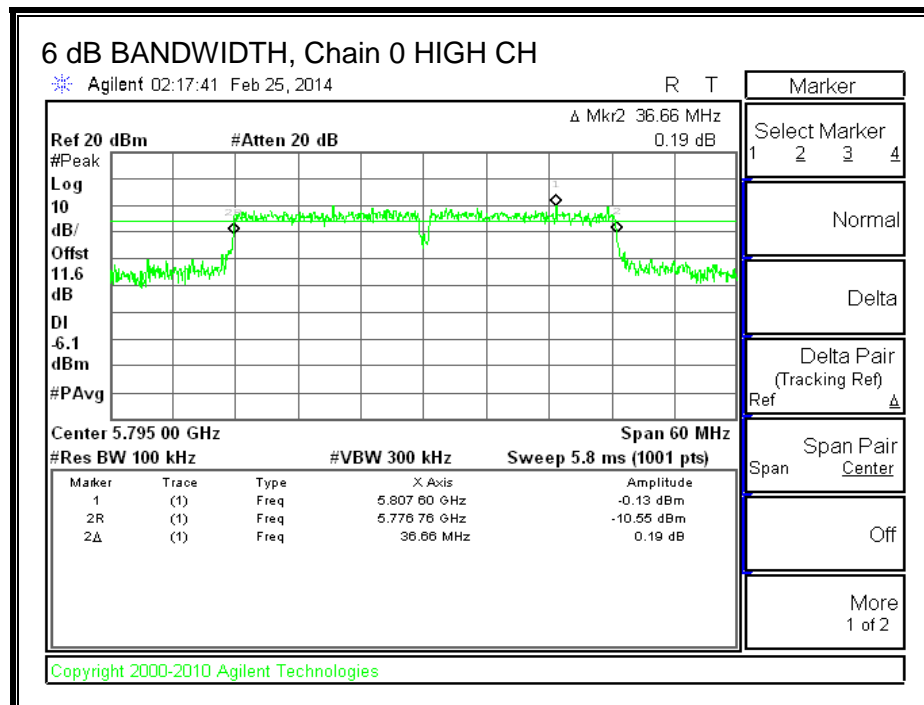
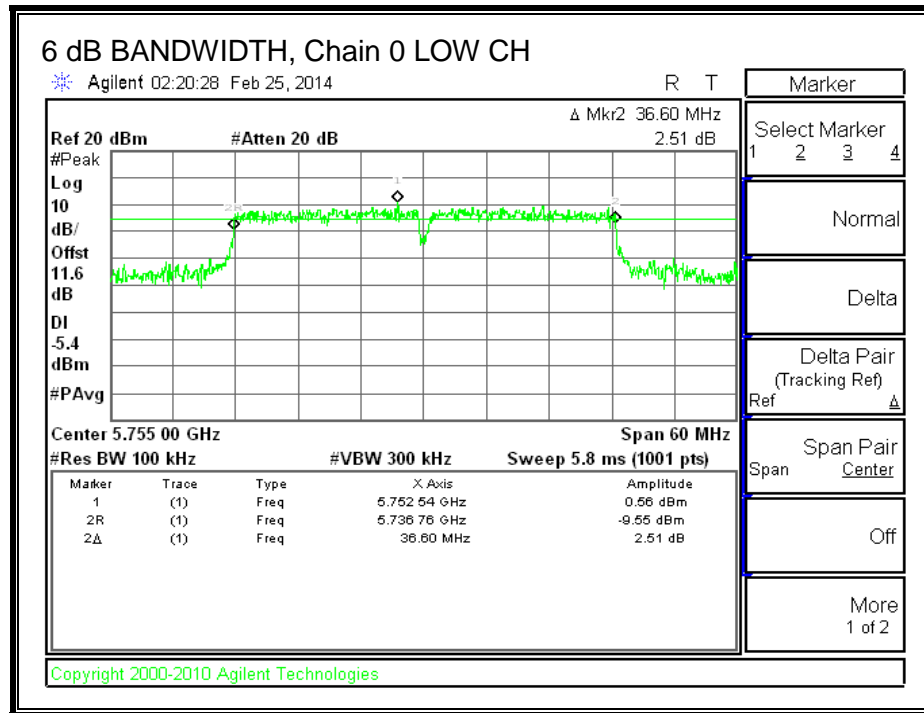
FCC §15.247 (a) (2)

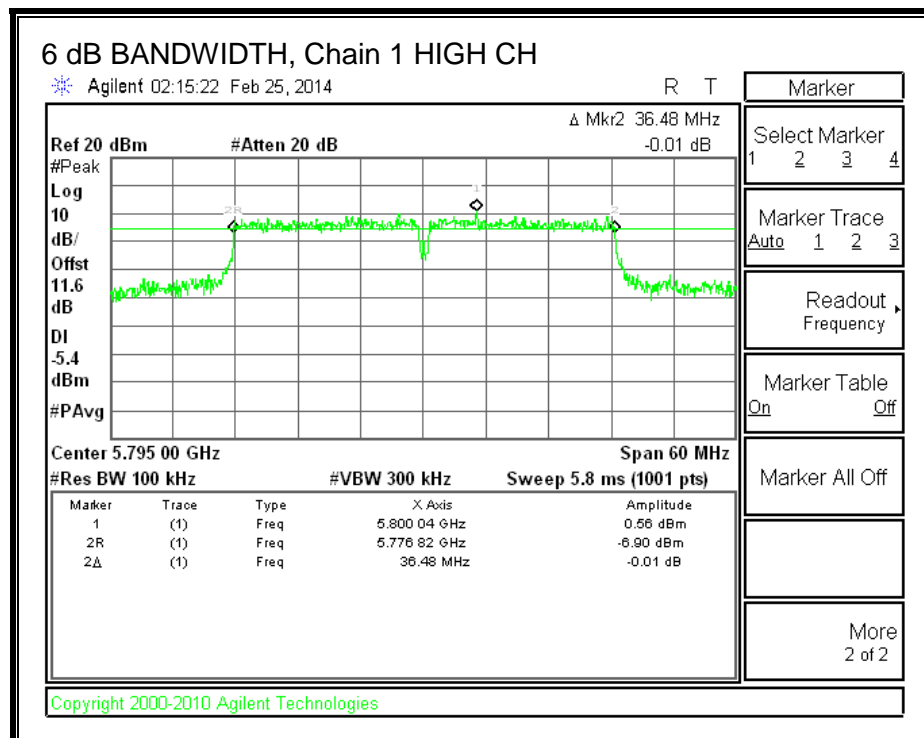
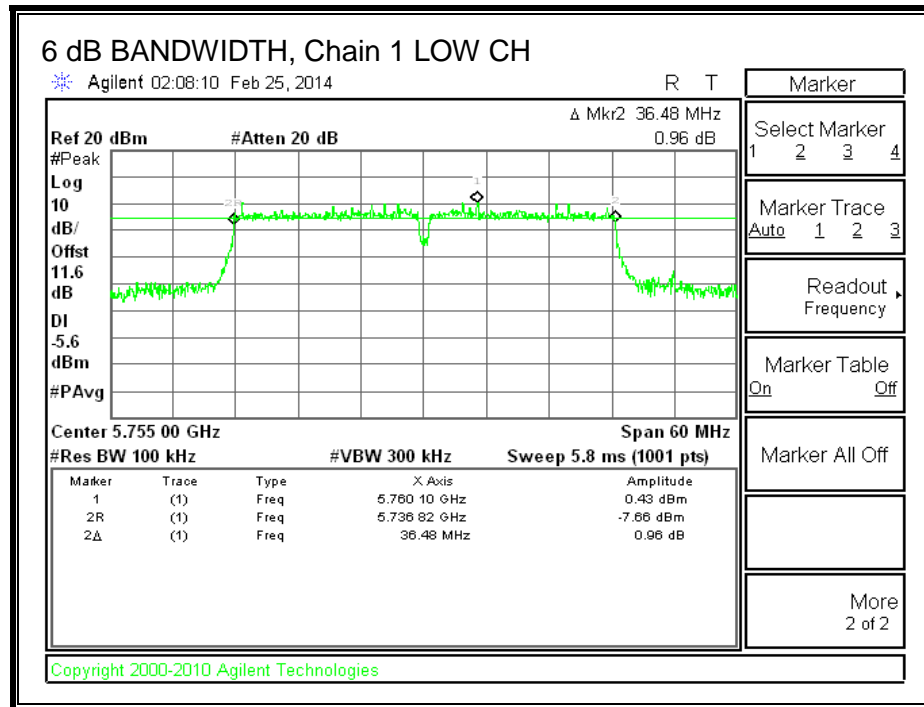
IC RSS-210 A8.2 (a)

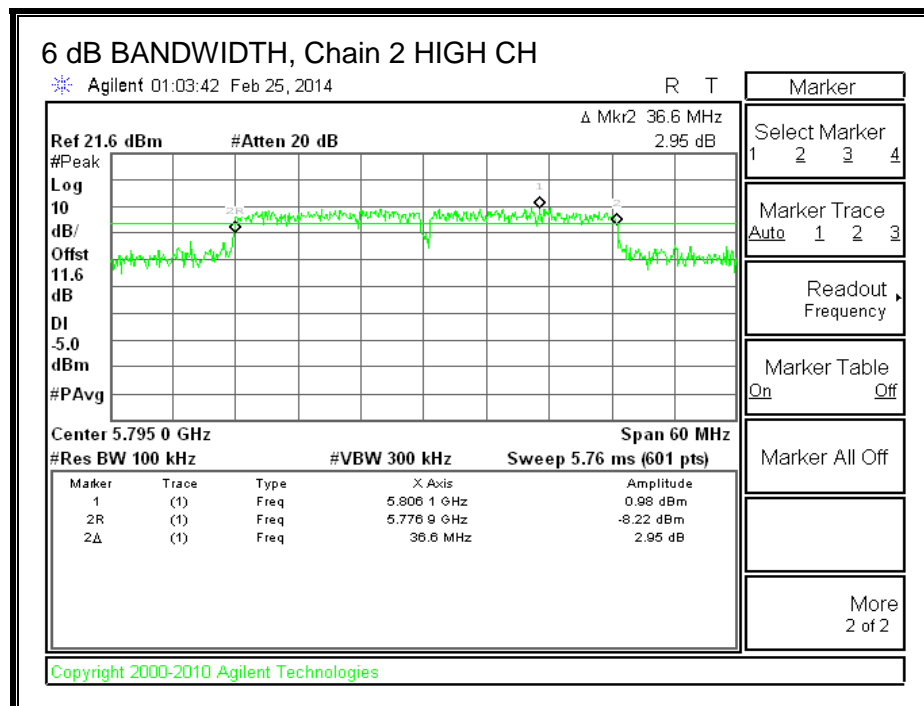
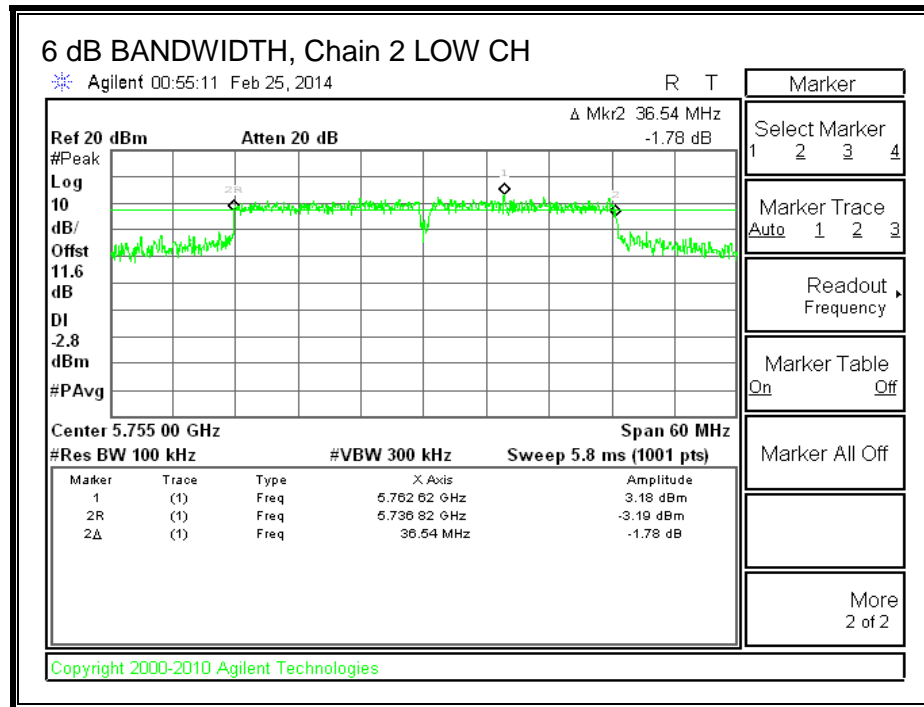
The minimum 6 dB bandwidth shall be at least 500 kHz.

**RESULTS**

Channel	Frequency (MHz)	6 dB BW Chain 0 (MHz)	6 dB BW Chain 1 (MHz)	6 dB BW Chain 2 (MHz)	Minimum Limit (MHz)
Low	5755	36.60	36.48	36.54	0.5
High	5795	36.66	36.48	36.60	0.5

**6 dB BANDWIDTH, Chain 0**

**6 dB BANDWIDTH, Chain 1**

**6 dB BANDWIDTH, Chain 2**

8.45.2. **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)	Chain 2 Antenna Gain (dBi)	Uncorrelated Chains Directional Gain (dBi)
2.66	5.93	6.04	5.13

## **RESULTS**

### **Limits**

Channel	Frequency (MHz)	Directional Gain (dBi)	FCC Power Limit (dBm)	IC Power Limit (dBm)	IC EIRP Limit (dBm)	Max Power (dBm)
Low	5755	5.13	30.00	30	36	30.00
High	5795	5.13	30.00	30	36	30.00

### **Results**

Channel	Frequency (MHz)	Chain 0 Meas Power (dBm)	Chain 1 Meas Power (dBm)	Chain 2 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Margin (dB)
Low	5755	12.50	12.40	12.70	17.31	30.00	-12.69
High	5795	17.50	17.40	17.60	22.27	30.00	-7.73

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

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8.45.3. **POWER SPECTRAL DENSITY**

**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 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)	Chain 2 Antenna Gain (dBi)	Correlated Chains Directional Gain (dBi)
2.66	5.93	6.04	9.78

## **RESULTS**

### **Bandwidth and Antenna Gain**

Channel	Frequency (MHz)	Directional Gain for PPSD (dBi)
Low	5755	9.78
High	5795	9.78

### **Limits**

Channel	Frequency (MHz)	FCC PPSD Limit (dBm)
Low	5755	26.22
High	5795	26.22

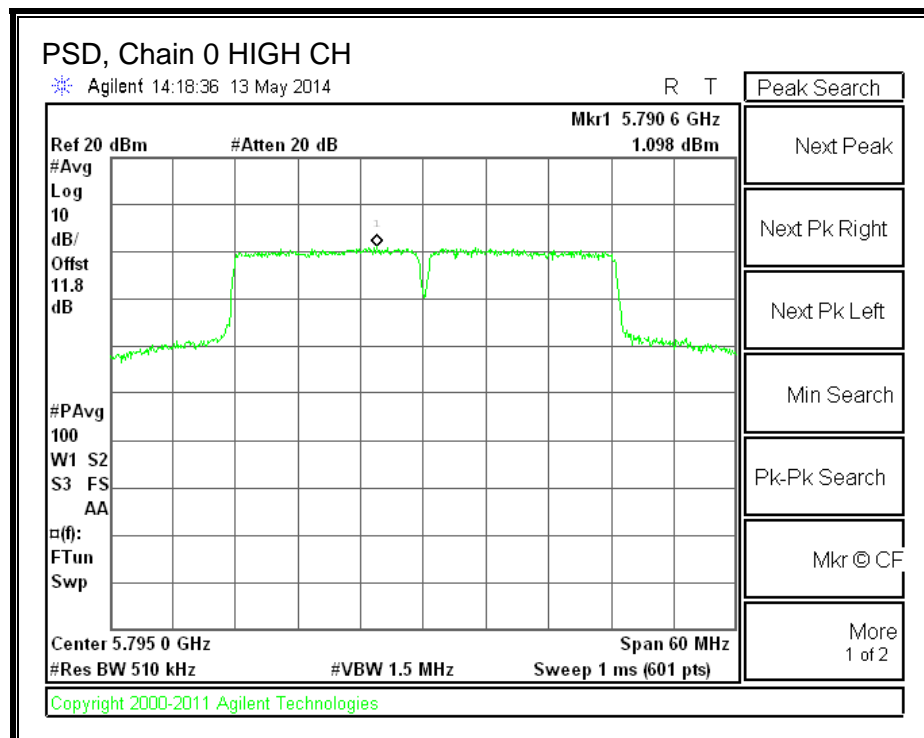
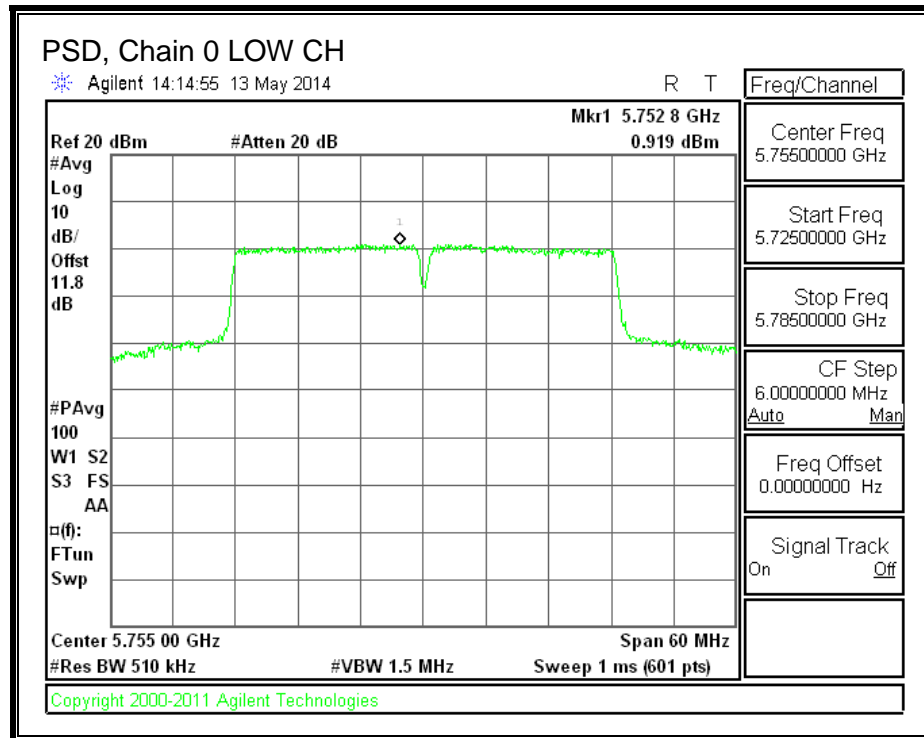
<b>Duty Cycle CF (dB)</b>	0.824	<b>Included in Calculations of PPSD</b>
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### **PPSD Results**

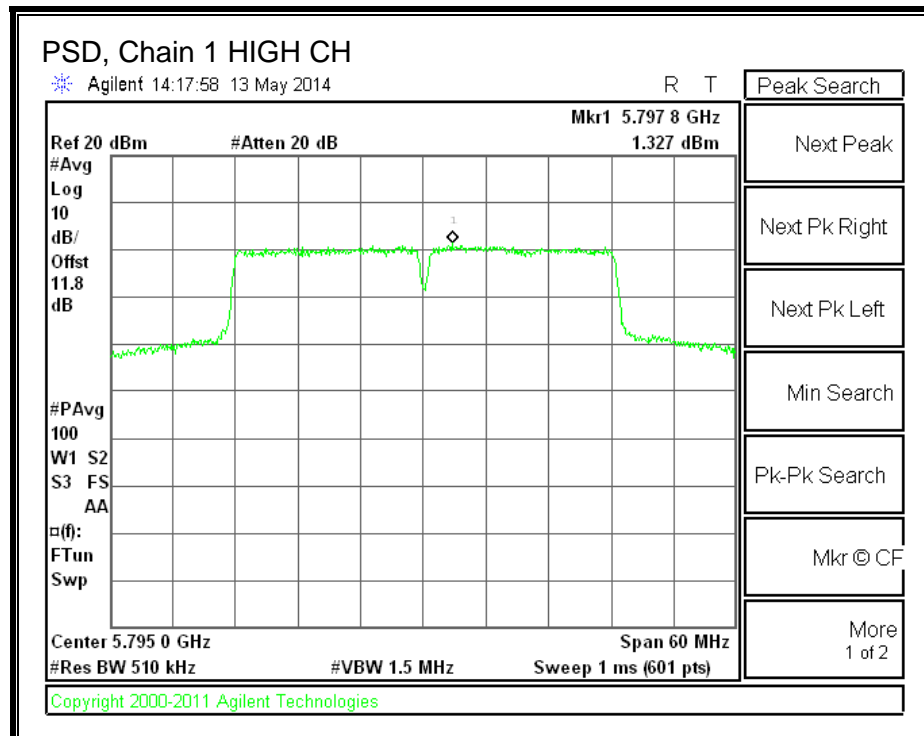
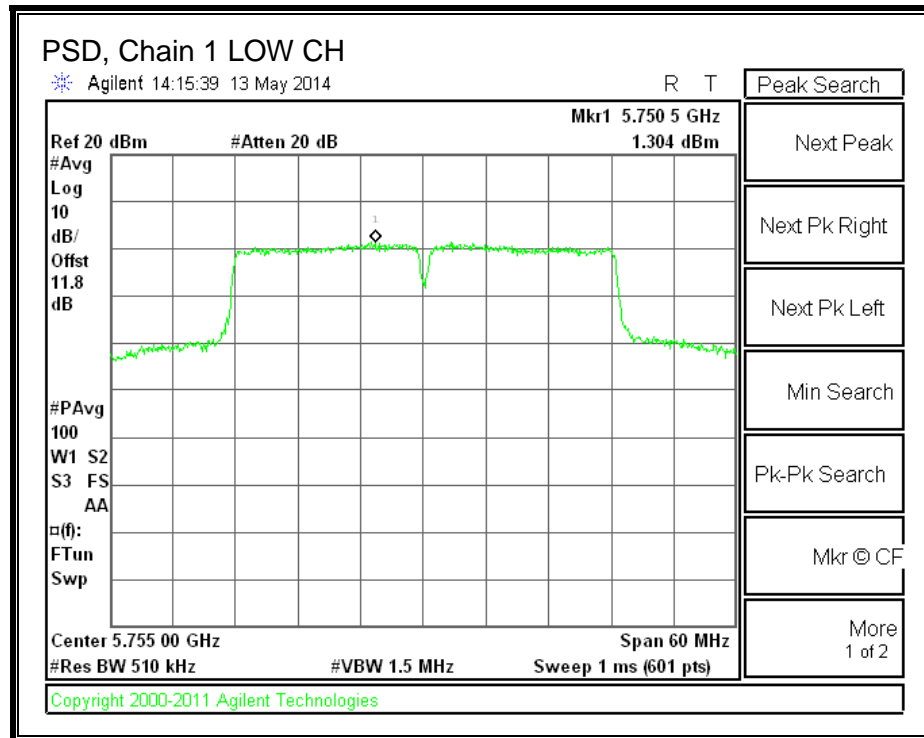
Channel	Frequency (MHz)	Chain 0 Meas PPSD (dBm)	Chain 1 Meas PPSD (dBm)	Chain 2 Meas PPSD (dBm)	Total Corr'd PPSD (dBm)	PPSD Limit (dBm)	PPSD Margin (dB)
Low	5755	0.919	1.304	0.933	6.65	26.22	-19.57
High	5795	1.098	1.327	1.285	6.83	26.22	-19.39



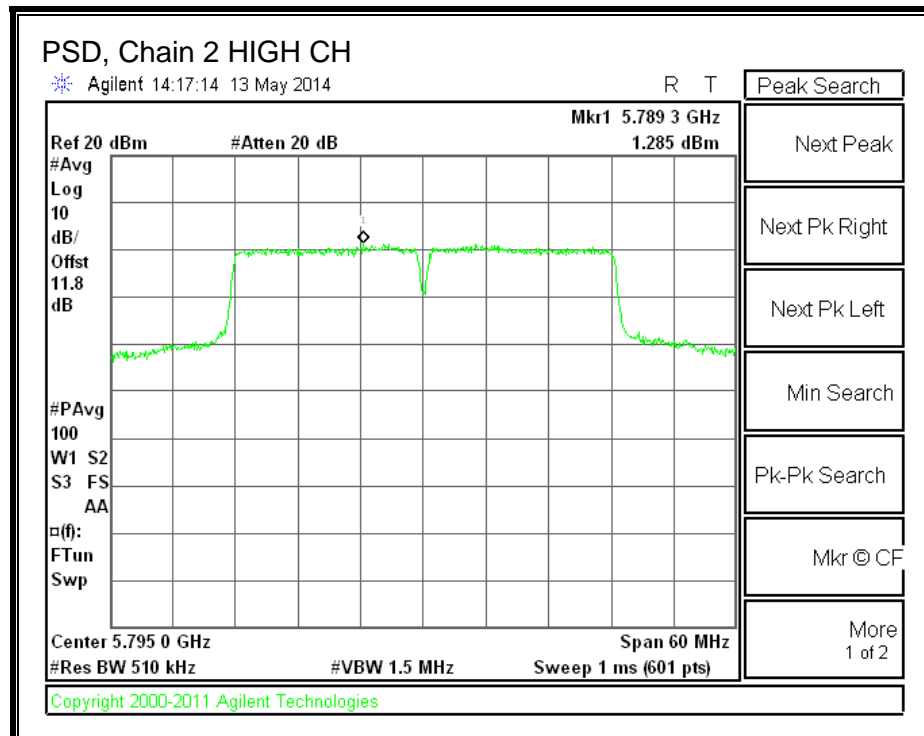
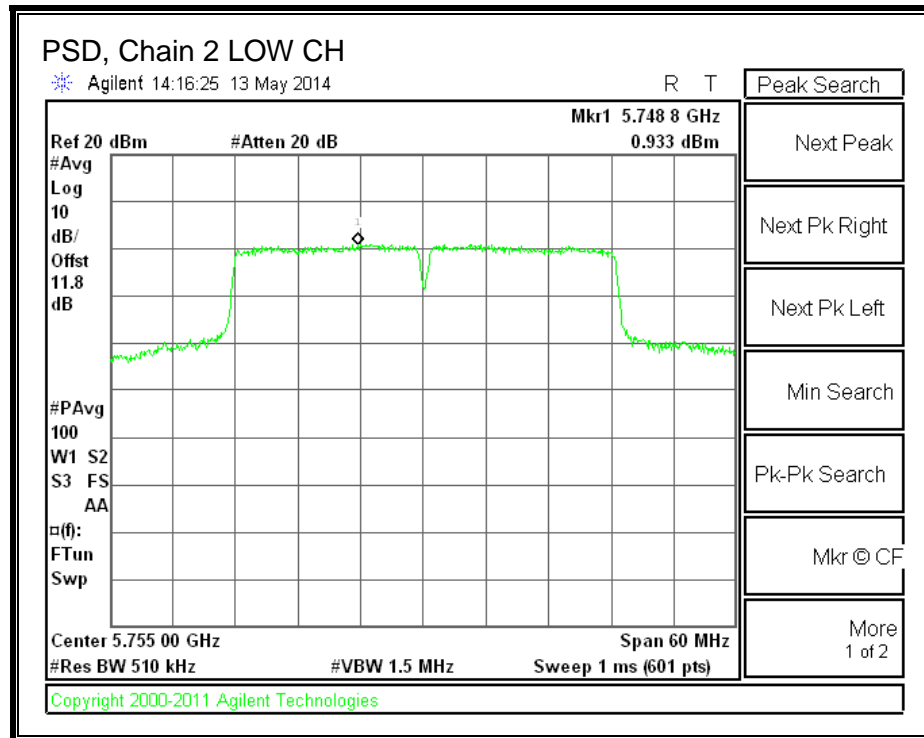
**PSD, Chain 0**



**PSD, Chain 1**



**PSD, Chain 2**



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**8.46. 802.11n HT40 BF 2TX MODE IN THE 5.8 GHz BAND**

**8.46.1. 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 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>
5.93	6.04	9.00

## **RESULTS**

### **Limits**

Channel	Frequency (MHz)	Directional Gain (dBi)	FCC Power Limit (dBm)	IC Power Limit (dBm)	IC EIRP Limit (dBm)	Max Power (dBm)
Low	5755	9.00	27.00	30	36	27.00

### **Results**

Channel	Frequency (MHz)	Chain 0 Meas Power (dBm)	Chain 1 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Margi (dB)
Low	5755	15.51	15.38	18.46	27.00	-8.54

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

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## 8.47 802.11n HT40 BF 3TX MODE IN THE 5.8 GHz BAND

### 8.47.1 6 dB BANDWIDTH

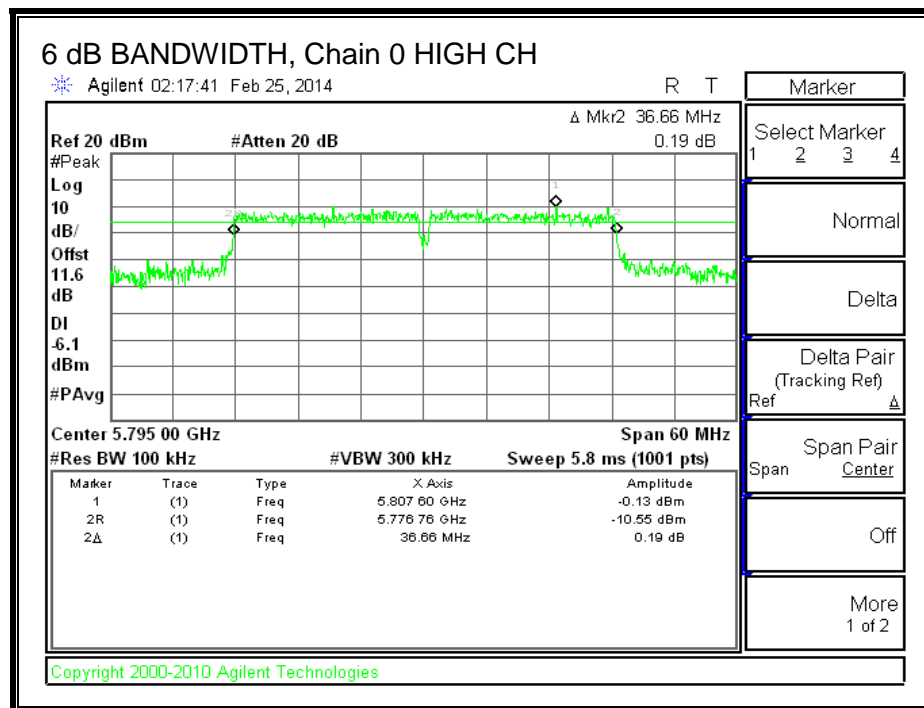
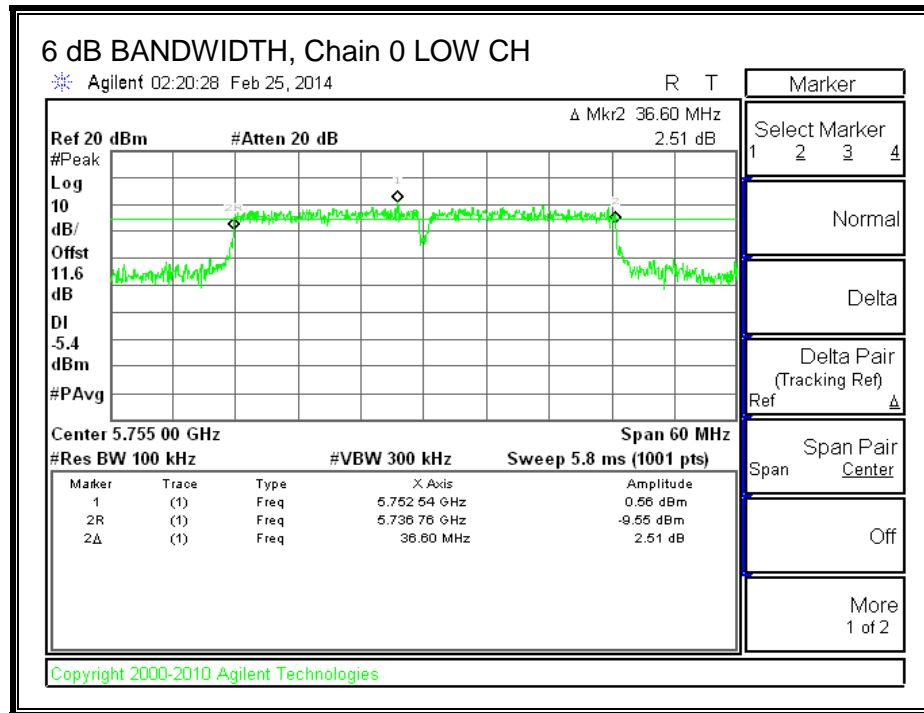
#### LIMITS

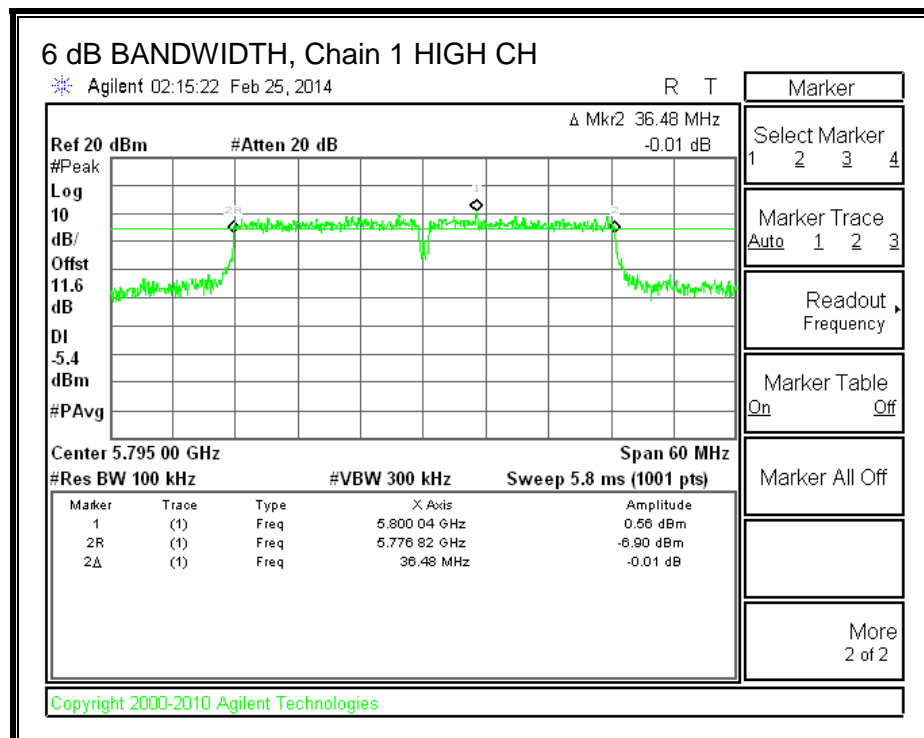
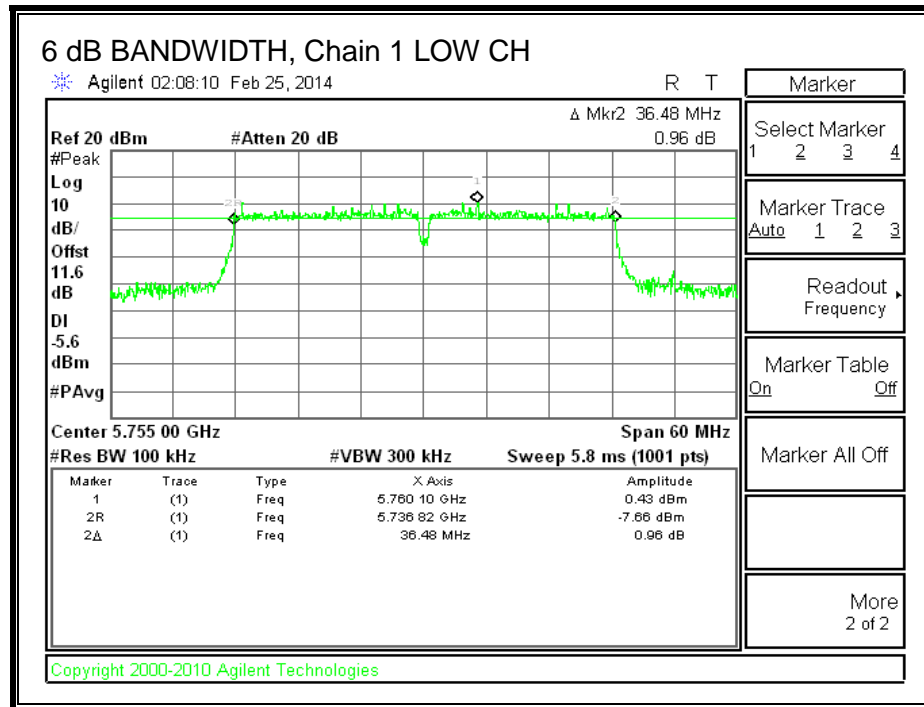
IC RSS-210 A8.2 (a)

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

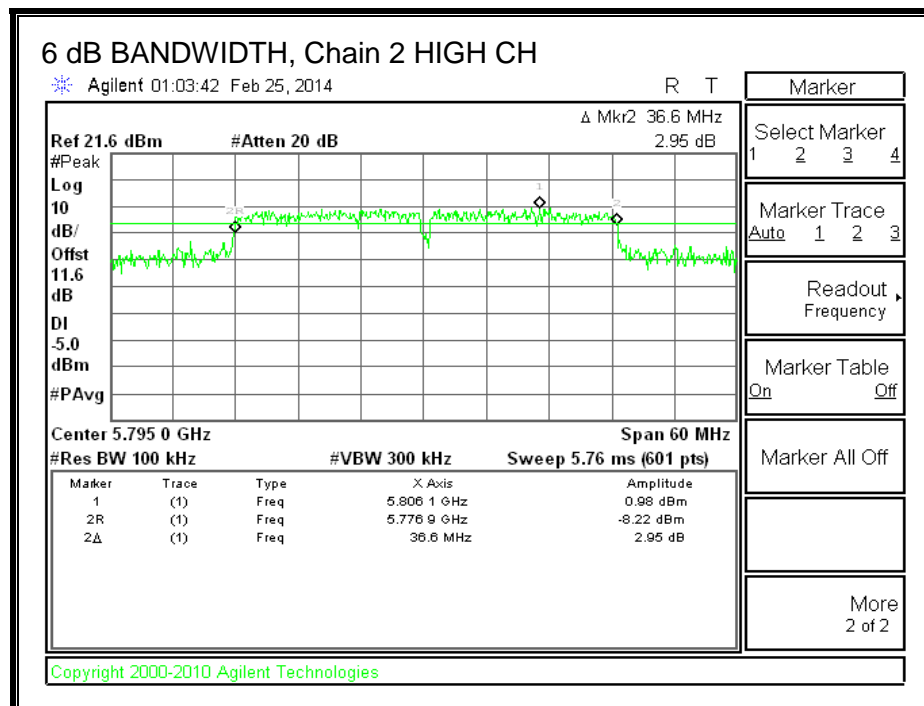
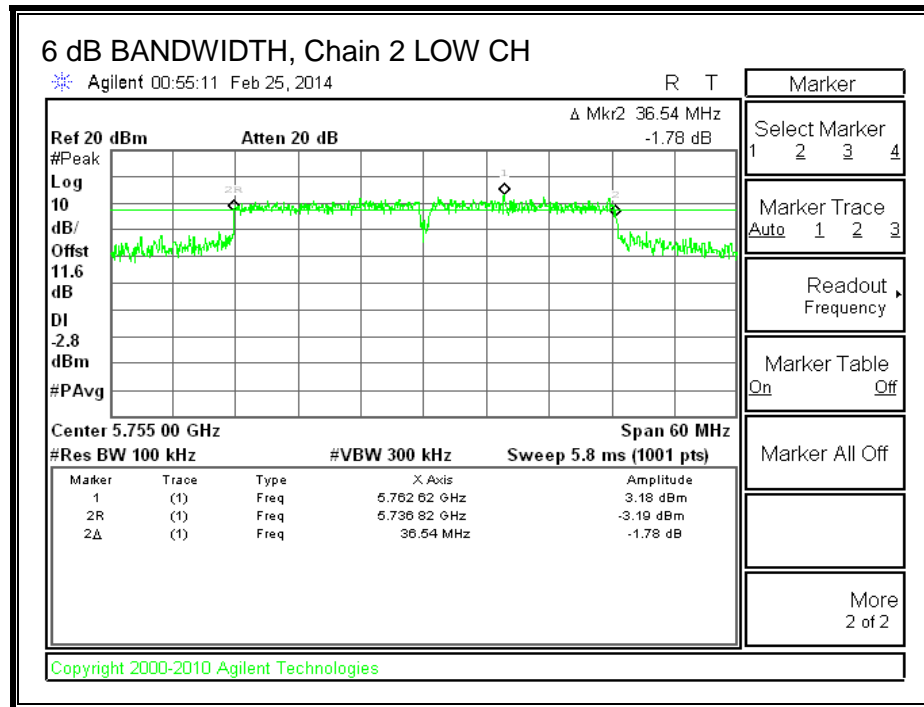
#### RESULTS

Channel	Frequency (MHz)	6 dB BW Chain 0 (MHz)	6 dB BW Chain 1 (MHz)	6 dB BW Chain 2 (MHz)	Minimum Limit (MHz)
Low	5755	36.60	36.48	36.54	0.5
High	5795	36.66	36.48	36.60	0.5

**6 dB BANDWIDTH, Chain 0**

**6 dB BANDWIDTH, Chain 1**



**6 dB BANDWIDTH, Chain 2**

## 8.47.2 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 correlated and the antenna gain is unequal among the chains. The directional gain is:

Chain 0 Antenna Gain (dBi)	Chain 1 Antenna Gain (dBi)	Chain 2 Antenna Gain (dBi)	Correlated Chains Directional Gain (dBi)
2.66	5.93	6.04	9.78

## **RESULTS**

### **Limits**

Channel	Frequency (MHz)	Directional Gain (dBi)	FCC Power Limit (dBm)	IC Power Limit (dBm)	IC EIRP Limit (dBm)	Max Power (dBm)
Low	5755	9.78	26.22	30	36	26.22
High	5795	9.78	26.22	30	36	26.22

### **Results**

Channel	Frequency (MHz)	Chain 0 Meas Power (dBm)	Chain 1 Meas Power (dBm)	Chain 2 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Margin (dB)
Low	5755	14.90	15.00	14.40	19.55	26.22	-6.67
High	5795	18.50	18.40	18.30	23.17	26.22	-3.05

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

### 8.47.3 POWER SPECTRAL DENSITY

#### 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 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)	Chain 2 Antenna Gain (dBi)	Correlated Chains Directional Gain (dBi)
2.66	5.93	6.04	9.78

## **RESULTS**

### **Bandwidth and Antenna Gain**

Channel	Frequency (MHz)	Directional Gain for PPSD (dBi)
Low	5755	9.78
High	5795	9.78

### **Limits**

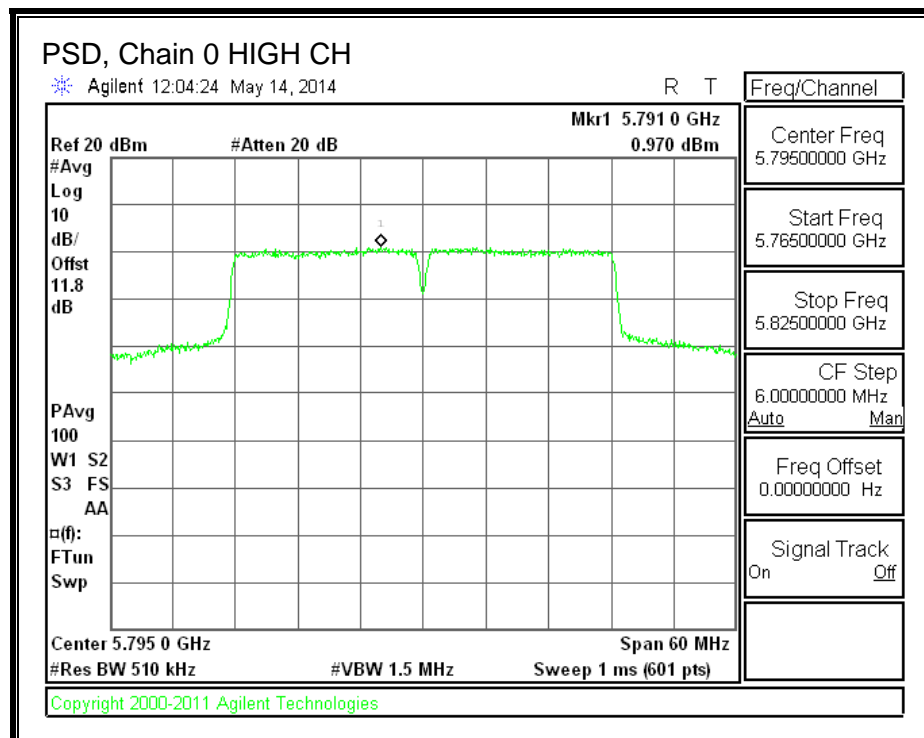
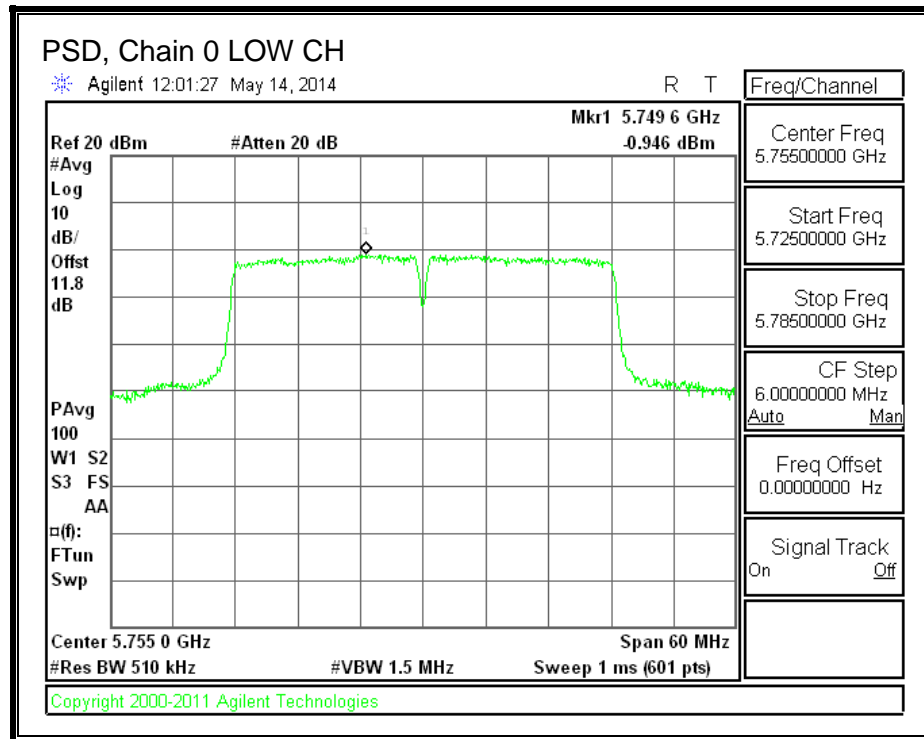
Channel	Frequency (MHz)	FCC PPSD Limit (dBm)
Low	5755	26.22
High	5795	26.22

Duty Cycle CF (dB)	0.824	Included in Calculations of PPSD
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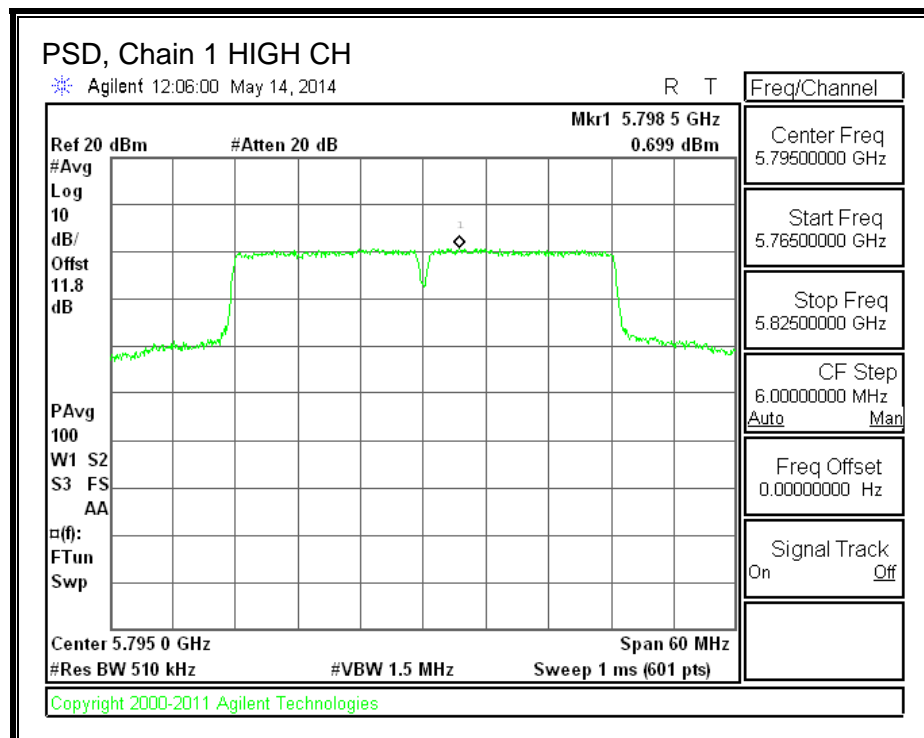
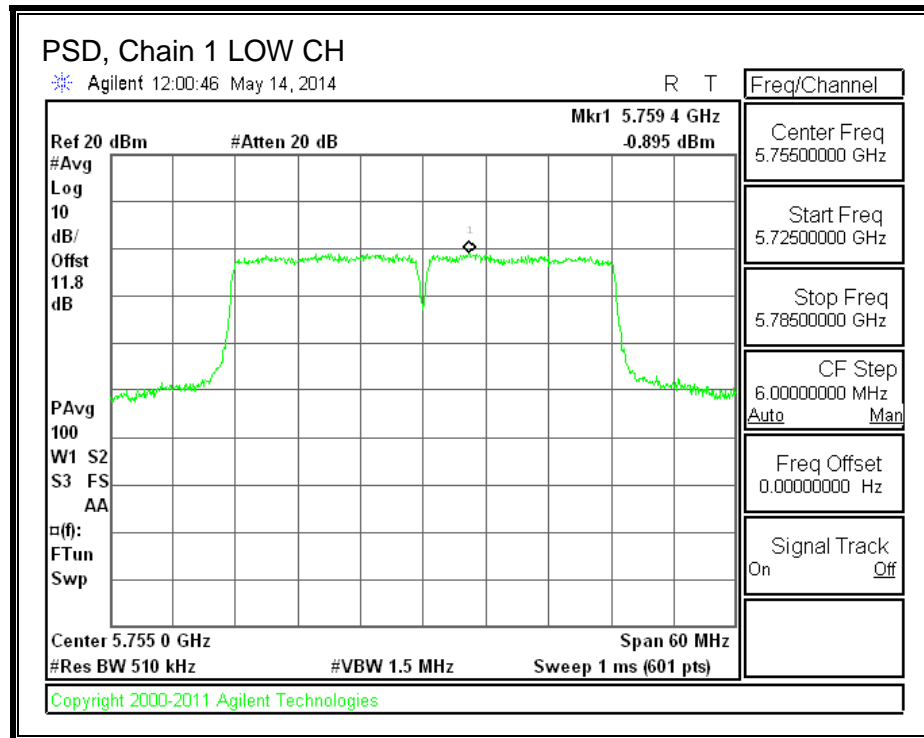
### **PPSD Results**

Channel	Frequency (MHz)	Chain 0 Meas PPSD (dBm)	Chain 1 Meas PPSD (dBm)	Chain 2 Meas PPSD (dBm)	Total Corr'd PPSD (dBm)	PPSD Limit (dBm)	PPSD Margin (dB)
Low	5755	-0.946	-0.895	-0.906	4.68	26.22	-21.54
High	5795	0.970	0.699	0.491	6.32	26.22	-19.90

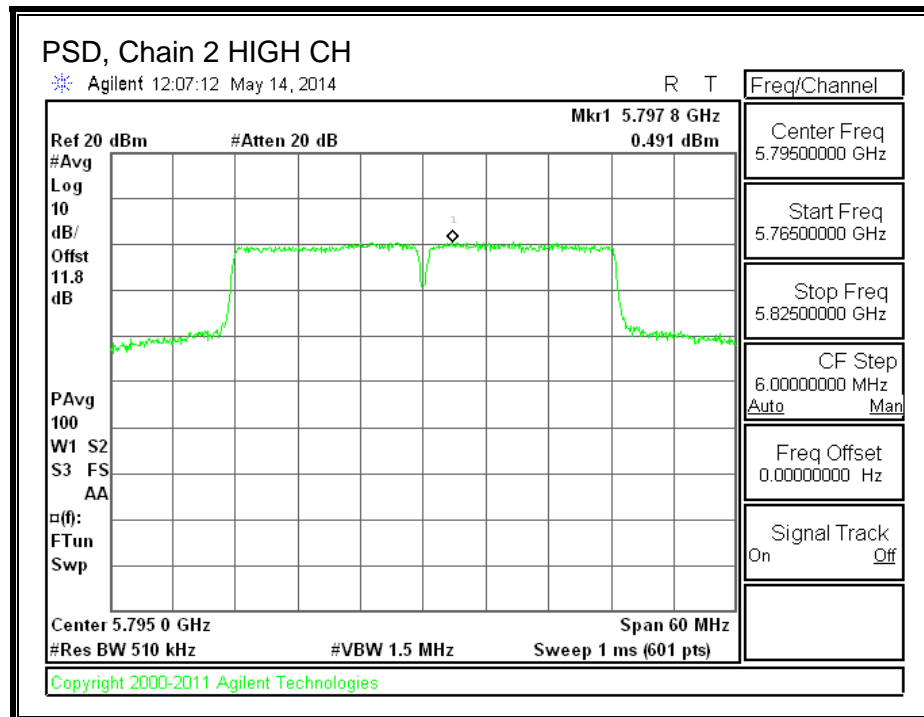
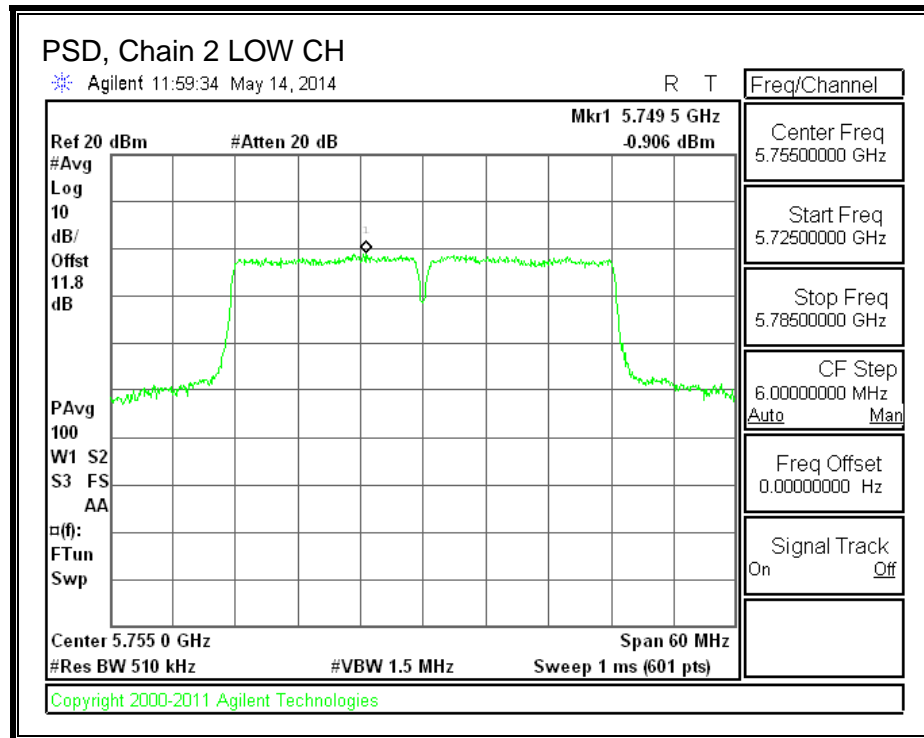
**PSD, Chain 0**



**PSD, Chain 1**



**PSD, Chain 2**





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## **8.48 802.11ac VHT80 1TX MODE IN THE 5.8 GHz BAND**

### **8.48.1 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**

There is only one transmitter output therefore the directional gain is equal to the antenna gain.

## **RESULTS**

### **Limits**

Channel	Frequency (MHz)	Directional Gain (dBi)	FCC Power Limit (dBm)	IC Power Limit (dBm)	IC EIRP Limit (dBm)	Max Power (dBm)
Mid	5775	6.04	29.96	30	36	29.96

### **Results**

Channel	Frequency (MHz)	Chain 0 Meas Power (dBm)	Chain 1 Meas Power (dBm)	Chain 2 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Margin (dB)
Mid	5775		14.70		14.70	29.96	-15.26

## 8.49 802.11AC VHT80 CDD 2TX MODE IN THE 5.8 GHz BAND

### 8.49.1 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)
5.93	6.01	5.97

#### RESULTS

##### Limits

Channel	Frequency (MHz)	Directional Gain (dBi)	FCC Power Limit (dBm)	IC Power Limit (dBm)	IC EIRP Limit (dBm)	Max Power (dBm)
Mid	5775	5.97	30.00	30	36	30.00

##### Results

Channel	Frequency (MHz)	Chain 0 Meas Power (dBm)	Chain 1 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Margi (dB)
Mid	5775	14.80	14.70	17.76	30.00	-12.24

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

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## 8.50 802.11ac VHT80 CDD 3TX MODE IN THE 5.8 GHz BAND

### 8.50.1 6 dB BANDWIDTH

#### LIMITS

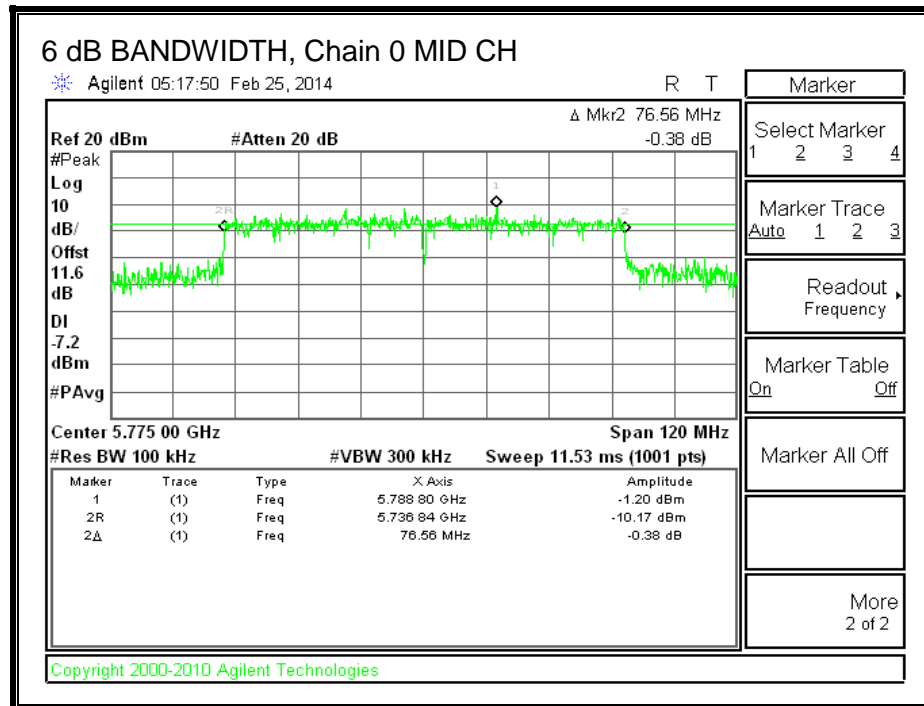
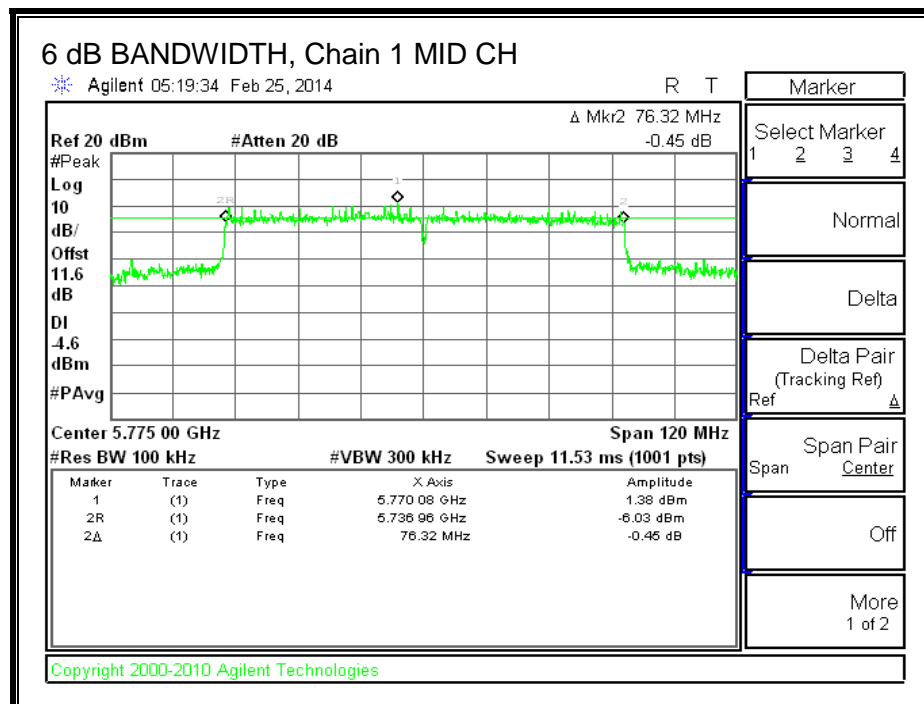
FCC §15.247 (a) (2)

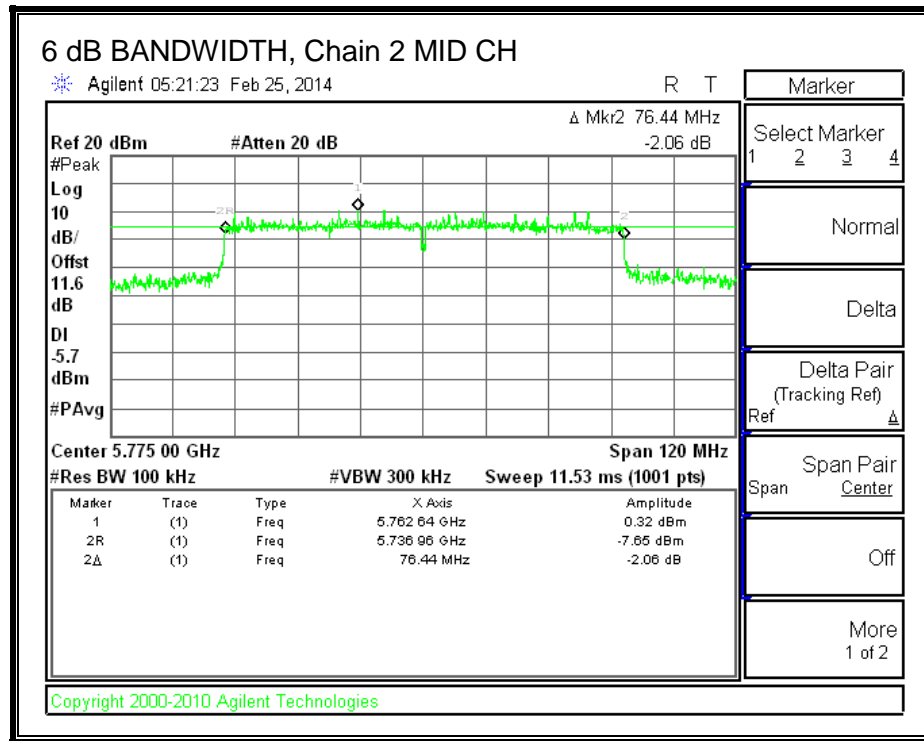
IC RSS-210 A8.2 (a)

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)	6 dB BW Chain 2 (MHz)	Minimum Limit (MHz)
Mid	5775	76.56	76.32	76.44	0.5

**6 dB BANDWIDTH, Chain 0****6 dB BANDWIDTH, Chain 1**

**6 dB BANDWIDTH, Chain 2**

## 8.50.2 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)	Chain 2 Antenna Gain (dBi)	Uncorrelated Chains Directional Gain (dBi)
2.66	5.93	6.04	5.13

## **RESULTS**

### **Limits**

Channel	Frequency (MHz)	Directional Gain (dBi)	FCC Power Limit (dBm)	IC Power Limit (dBm)	IC EIRP Limit (dBm)	Max Power (dBm)
Mid	5775	5.13	30.00	30	36	30.00

### **Results**

Channel	Frequency (MHz)	Chain 0 Meas Power (dBm)	Chain 1 Meas Power (dBm)	Chain 2 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Margin (dB)
Mid	5775	11.60	11.80	12.50	16.76	30.00	-13.24

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



### 8.50.3 POWER SPECTRAL DENSITY

#### 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 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)	Chain 2 Antenna Gain (dBi)	Correlated Chains Directional Gain (dBi)
2.66	5.93	6.04	9.78

## **RESULTS**

### **Bandwidth and Antenna Gain**

Channel	Frequency (MHz)	Directional Gain for PPSD (dBi)
Low	5775	9.78

### **Limits**

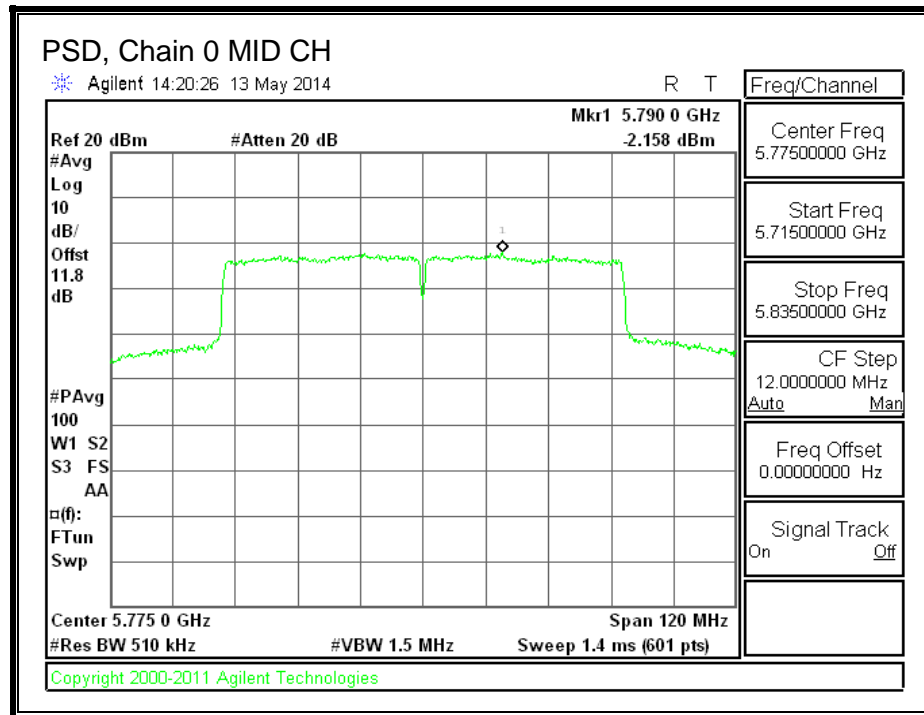
Channel	Frequency (MHz)	FCC PPSD Limit (dBm)
Low	5775	26.22

Duty Cycle CF (dB)	0.95	Included in Calculations of PPSD
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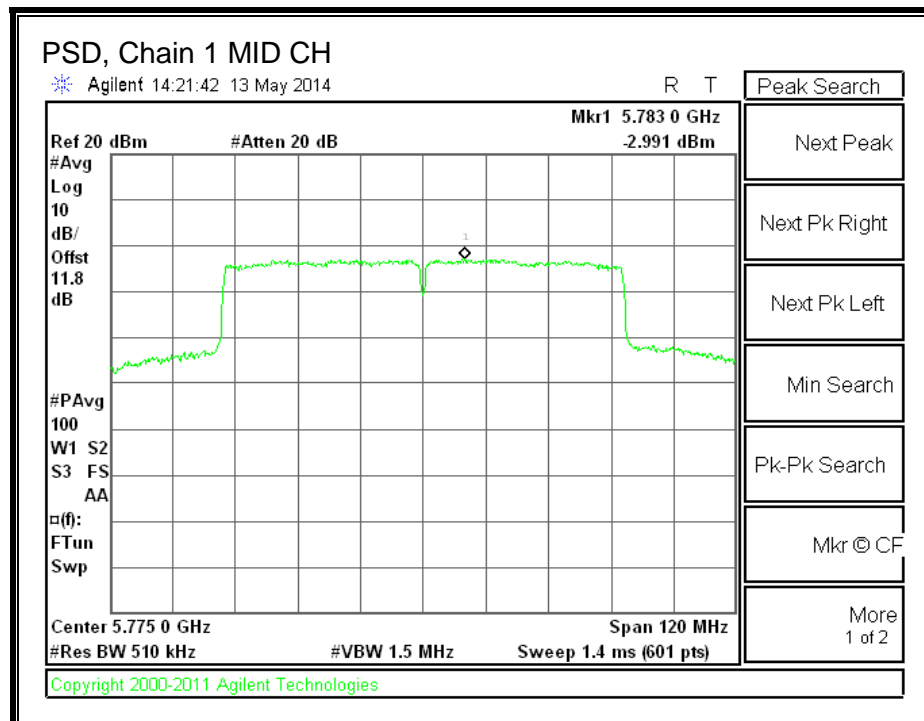
### **PPSD Results**

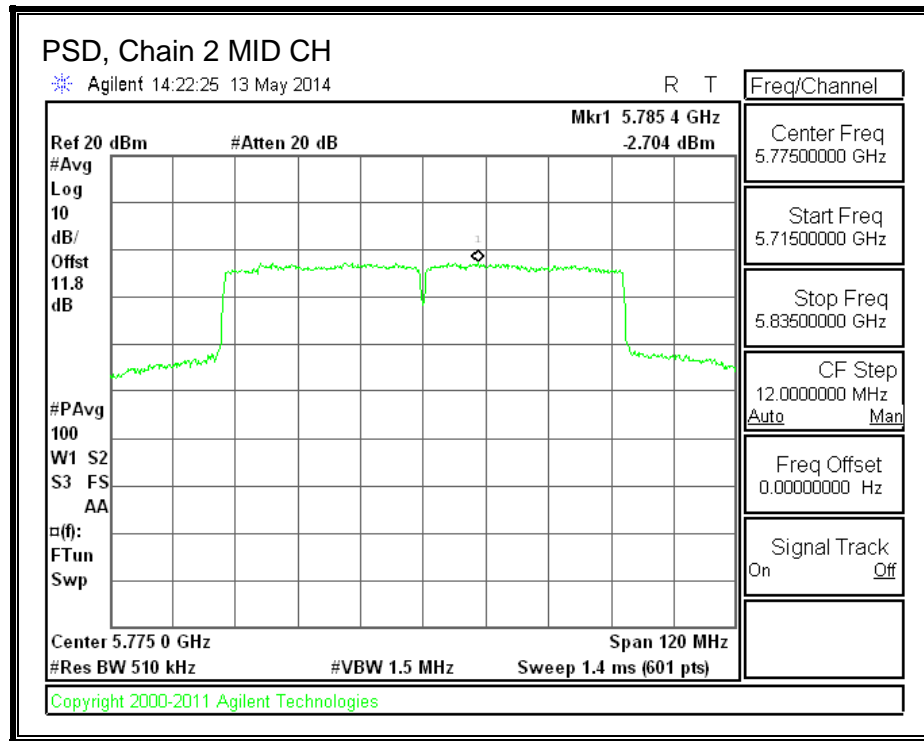
Channel	Frequency (MHz)	Chain 0 Meas PPSD (dBm)	Chain 1 Meas PPSD (dBm)	Chain 2 Meas PPSD (dBm)	Total Corr'd PPSD (dBm)	PPSD Limit (dBm)	PPSD Margin (dB)
Low	5775	-2.158	-2.991	-2.704	3.12	26.22	-23.10

**PSD, Chain 0**



**PSD, Chain 1**



**PSD, Chain 2**

## **8.51 802.11n HT80 BF 2TX MODE IN THE 5.8 GHz BAND**

### **8.51.1 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 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>
5.93	6.04	9.00

## **RESULTS**

### **Limits**

Channel	Frequency (MHz)	Directional Gain (dBi)	FCC Power Limit (dBm)	IC Power Limit (dBm)	IC EIRP Limit (dBm)	Max Power (dBm)
Mid	5795	9.00	27.00	30	36	27.00

### **Results**

Channel	Frequency (MHz)	Chain 0 Meas Power (dBm)	Chain 1 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Margi (dB)
Mid	5795	14.80	14.70	17.76	27.00	-9.24

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

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## 8.52 802.11ac VHT80 BF 3TX MODE IN THE 5.8 GHz BAND

### 8.52.1 6 dB BANDWIDTH

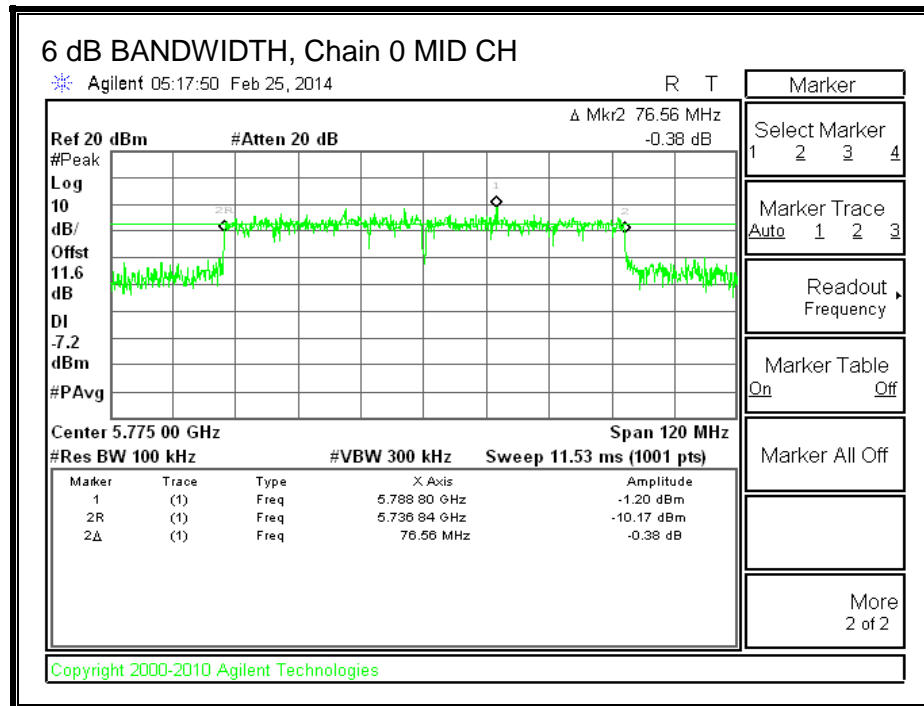
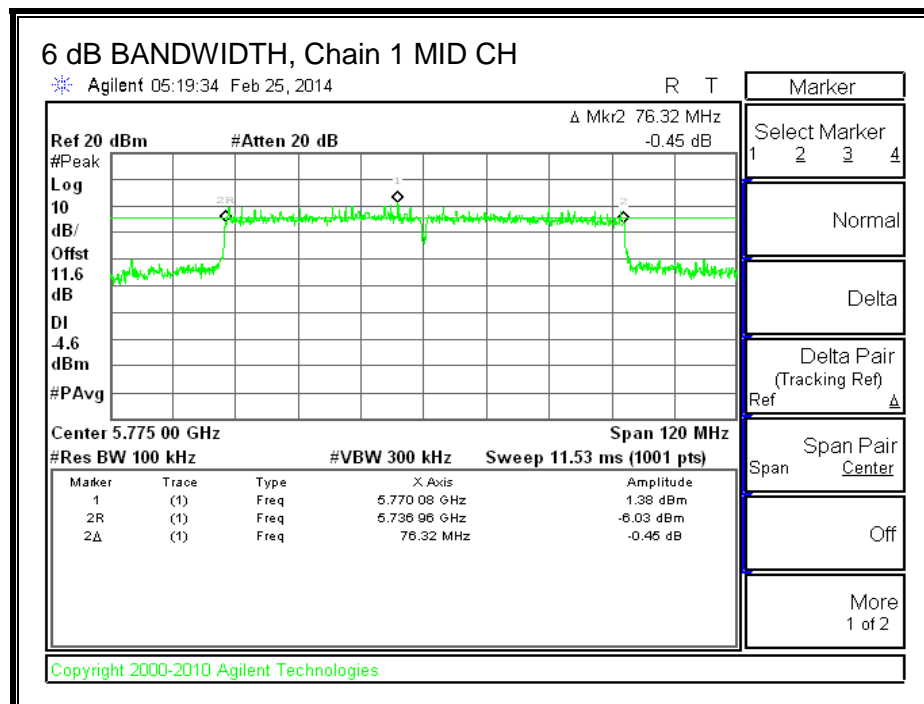
#### LIMITS

IC RSS-210 A8.2 (a)

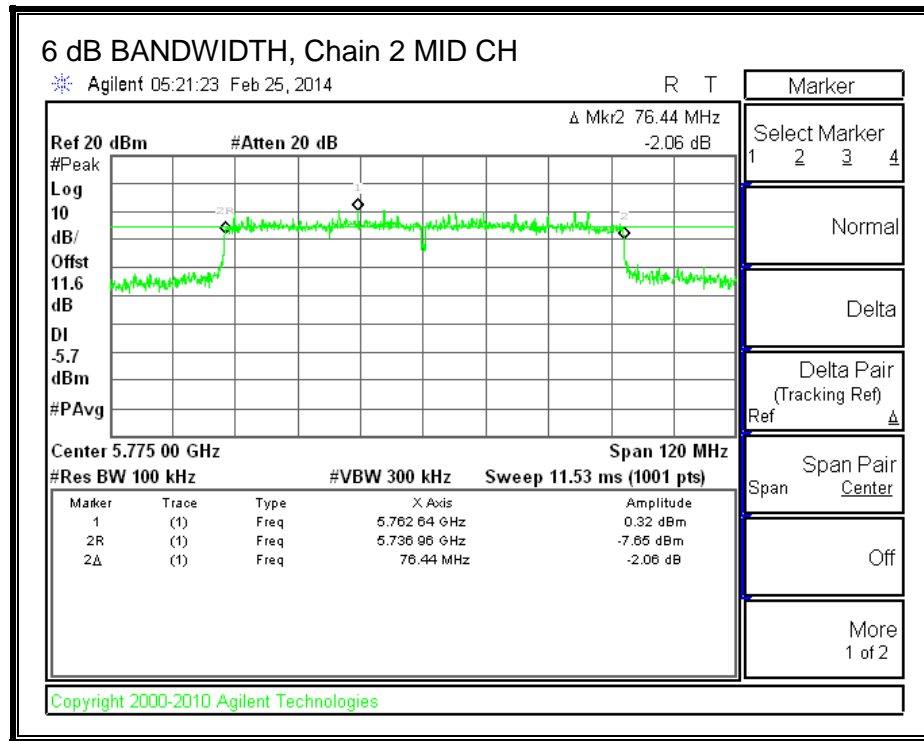
The minimum 6 dB bandwidth shall be at least 500 kHz.

#### RESULTS

Channel	Frequency (MHz)	6 dB BW Chain 0 (MHz)	6 dB BW Chain 1 (MHz)	6 dB BW Chain 2 (MHz)	Minimum Limit (MHz)
Mid	5775	76.56	76.32	76.44	0.5

**6 dB BANDWIDTH, Chain 0****6 dB BANDWIDTH, Chain 1**



**6 dB BANDWIDTH, Chain 2**

## 8.52.2 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 correlated and the antenna gain is unequal among the chains. The directional gain is:

Chain 0 Antenna Gain (dBi)	Chain 1 Antenna Gain (dBi)	Chain 2 Antenna Gain (dBi)	Correlated Chains Directional Gain (dBi)
2.66	5.93	6.04	9.78

## **RESULTS**

### **Limits**

Channel	Frequency (MHz)	Directional Gain (dBi)	FCC Power Limit (dBm)	IC Power Limit (dBm)	IC EIRP Limit (dBm)	Max Power (dBm)
Mid	5775	9.78	26.22	30	36	26.22

### **Results**

Channel	Frequency (MHz)	Chain 0 Meas Power (dBm)	Chain 1 Meas Power (dBm)	Chain 2 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Margin (dB)
Mid	5775	13.30	13.90	13.60	18.38	26.22	-7.84

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

### 8.52.3 POWER SPECTRAL DENSITY

#### LIMITS

FCC §15.407 (a) (3)

For the band 5.725-5.85 GHz, 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 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)	Chain 2 Antenna Gain (dBi)	Correlated Chains Directional Gain (dBi)
2.66	5.93	6.04	9.78

## **RESULTS**

### **Bandwidth and Antenna Gain**

Channel	Frequency (MHz)	Directional Gain for PPSD (dBi)
Low	5775	9.78

### **Limits**

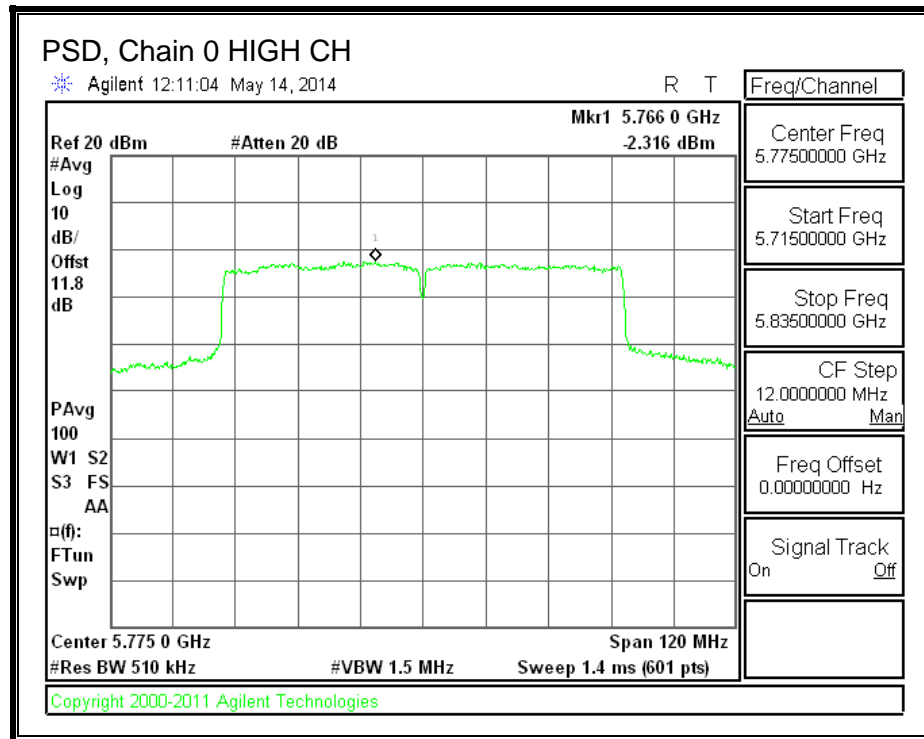
Channel	Frequency (MHz)	FCC PPSD Limit (dBm)
Low	5775	26.22

Duty Cycle CF (dB)	0.95	Included in Calculations of PPSD
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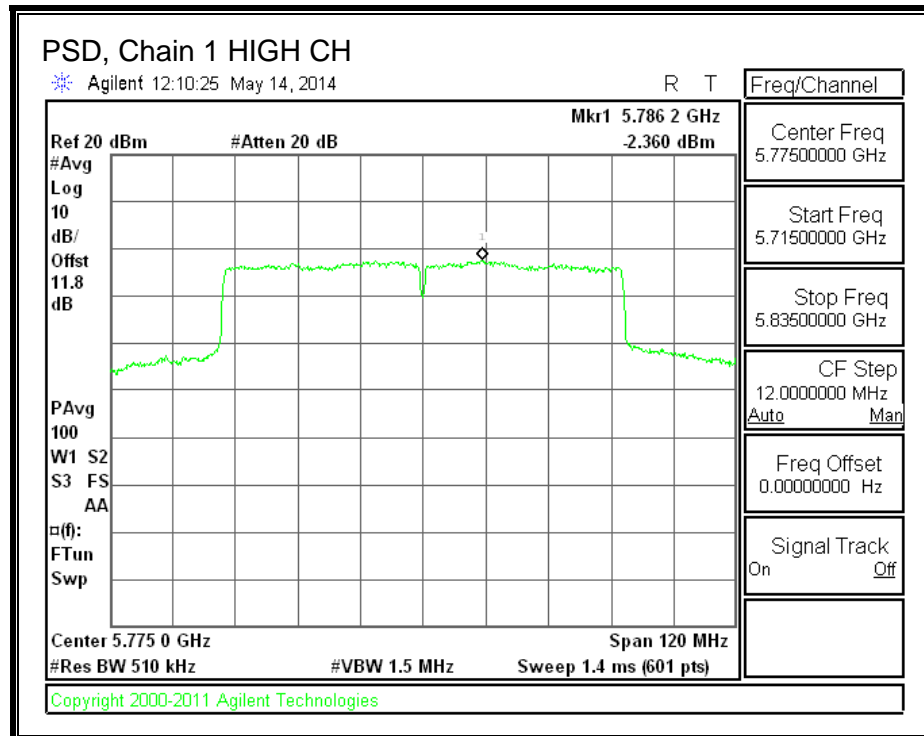
### **PPSD Results**

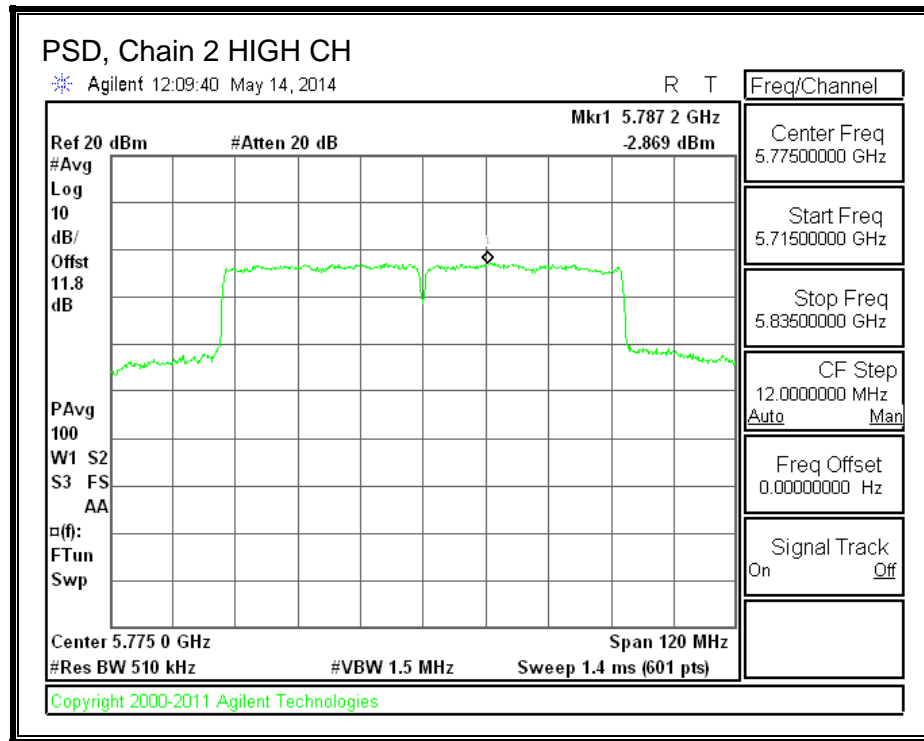
Channel	Frequency (MHz)	Chain 0 Meas PPSD (dBm)	Chain 1 Meas PPSD (dBm)	Chain 2 Meas PPSD (dBm)	Total Corr'd PPSD (dBm)	PPSD Limit (dBm)	PPSD Margin (dB)
Low	5775	-2.316	-2.360	-2.869	3.21	26.22	-23.01

**PSD, Chain 0**



**PSD, Chain 1**



**PSD, Chain 2**

## 9 RADIATED TEST RESULTS

### 9.1 LIMITS AND PROCEDURE

#### LIMITS

FCC §15.205 and §15.209

IC RSS-210 Clause 2.6 (Transmitter)

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

#### TEST PROCEDURE

The EUT is placed on a non-conducting table 80 cm above the ground plane. The antenna to EUT distance is 3 meters.

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

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

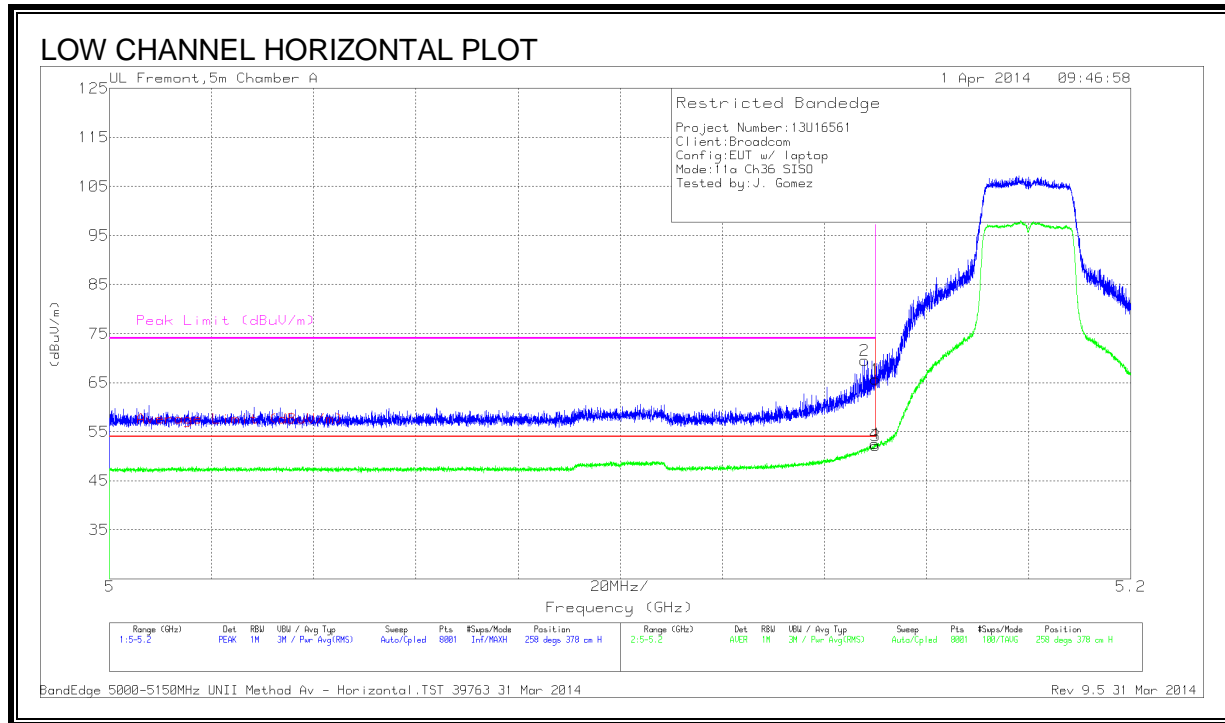
The spectrum from 30 MHz to 40 GHz is investigated with the transmitter set to the lowest, middle, and highest channels in each applicable band.

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 TX ABOVE 1 GHz 802.11a 1TX MODE IN THE 5.2 GHz BAND

### RESTRICTED BANDEDGE (LOW CHANNEL)

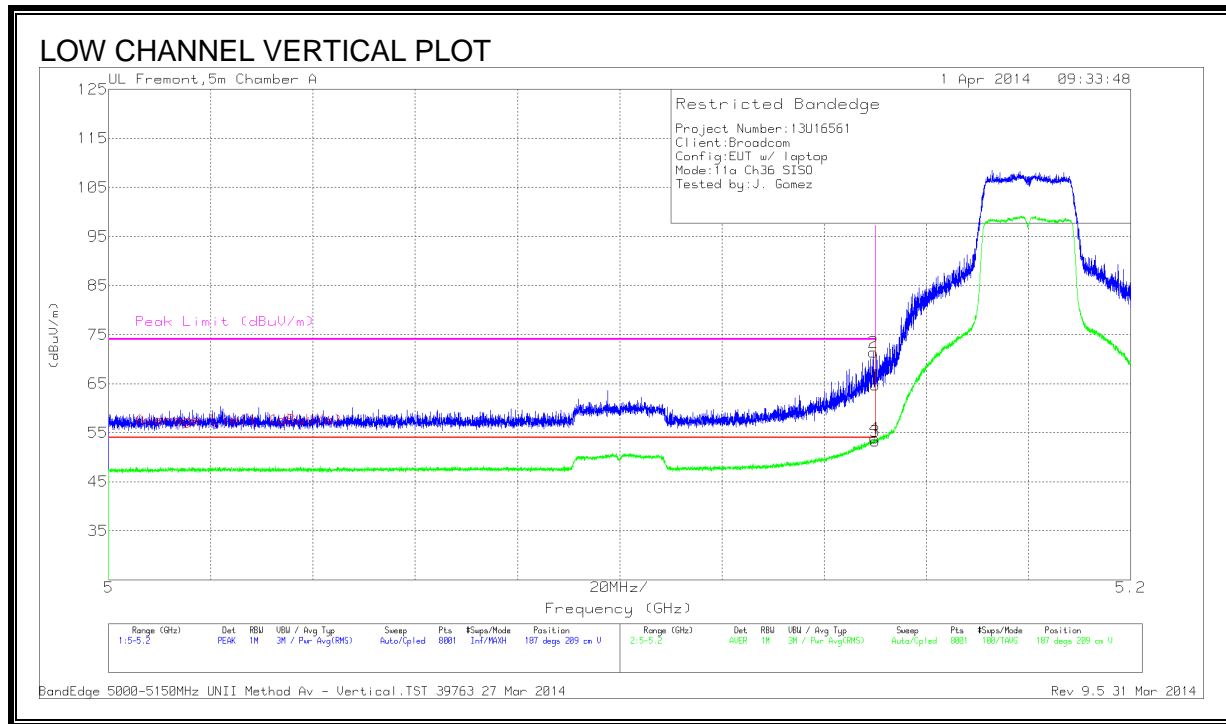


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Bypass (dB)	Pad	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	*5.148	20.58	PK	34	8.9	6	0	69.48	-	-	74	-4.52	258	378	H
4	*5.15	3.36	RMS	34	9	6	.24	52.60	54	-1.40	-	-	258	378	H

\* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK - Peak detector

RMS - RMS detection



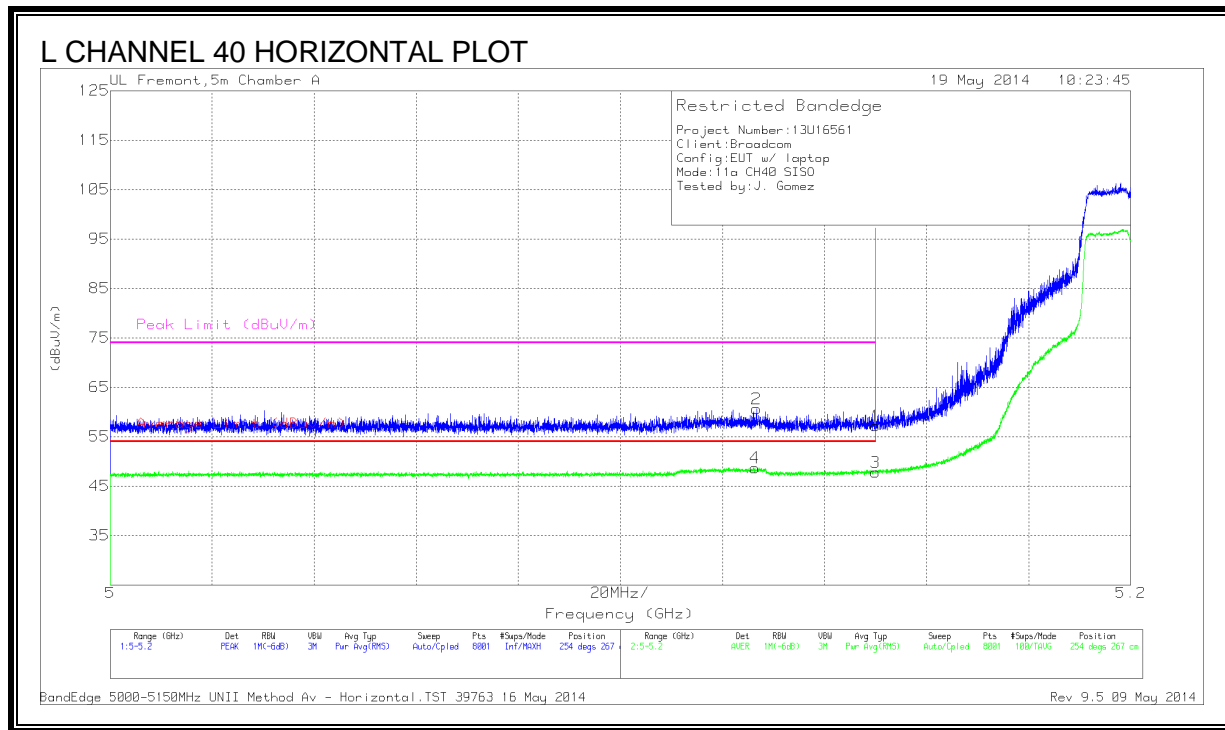
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Bypass (dB)	Pad	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Altitude (Degs)	Height (cm)	Polarity
2	*5.15	22.43	PK	34	9	6	0	71.43	-	-	74	-2.57	187	209	V
4	*5.15	4.68	RMS	34	9	6	.24	53.92	54	-.08	-	-	187	209	V

\* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK - Peak detector

RMS - RMS detection

**RESTRICTED BANDEDGE (CHANNEL 40)**

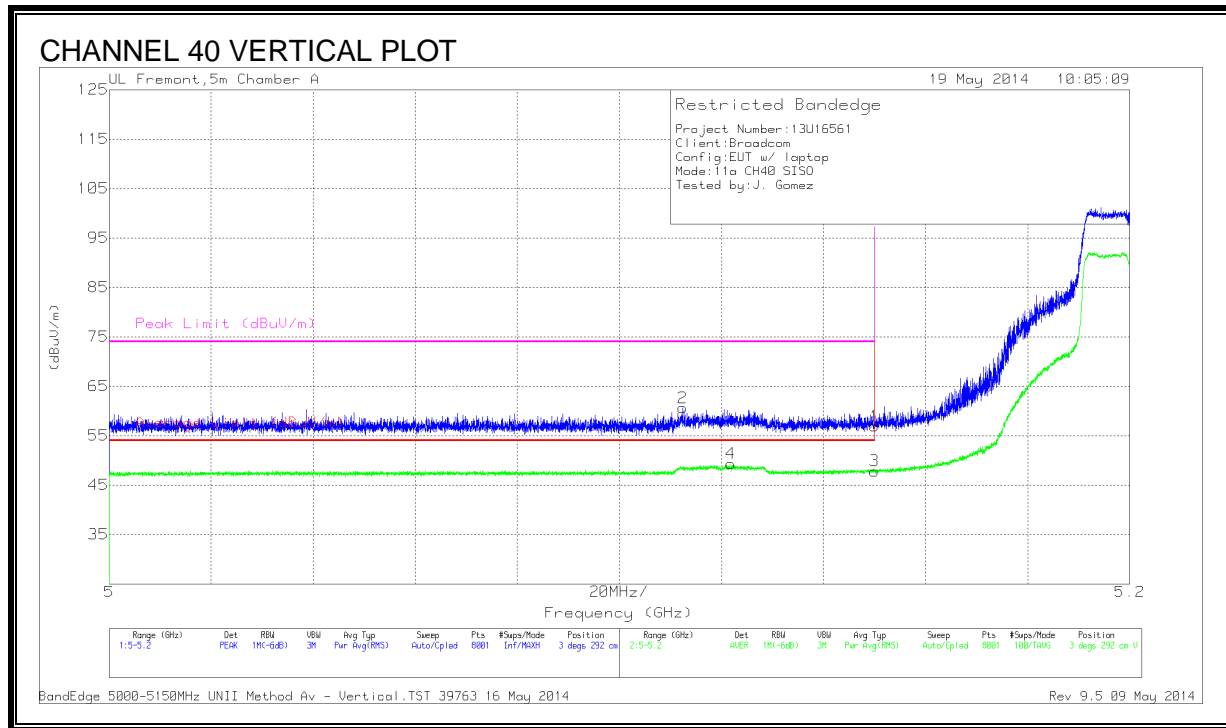


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Bypass (dB)	Pad	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.15	8.17	PK	34	9	6	0	57.17	-	-	74	-16.83	254	267	H
2	* 5.127	11.83	PK	33.9	8.9	6	0	60.63	-	-	74	-13.37	254	267	H
3	* 5.15	-1.36	RMS	34	9	6	.24	47.88	54	-6.12	-	-	254	267	H
4	* 5.126	-.29	RMS	33.9	8.9	6	.24	48.83	54	-5.25	-	-	254	267	H

\* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK - Peak detector

RMS - RMS detection



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Bypass (dB)	Pad	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.15	7.92	PK	34	9	6	0	56.92	-	-	74	-17.08	3	292	V
2	* 5.112	11.82	PK	33.9	8.9	6	0	60.62	-	-	74	-13.38	3	292	V
3	* 5.15	-1.43	RMS	34	9	6	.24	47.90	54	-6.10	-	-	3	292	V
4	* 5.122	.25	RMS	33.9	8.9	6	.24	49.38	54	-4.62	-	-	3	292	V

\* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK - Peak detector

RMS - RMS detection