

### 7.6.3. AVERAGE POWER

#### LIMITS

None; for reporting purposes only.

#### TEST PROCEDURE

The transmitter output is connected to a power meter.

#### RESULTS

The cable assembly insertion loss of 17.2 dB (including 16 dB pad and 1.2 dB cable) entered as an offset in the power meter to allow for direct reading of power.

Channel	Frequency (MHz)	Chain 0 Power (dBm)	Chain 1 Power (dBm)	Total Power (dBm)
Low	5270	20.30	21.19	23.78
High	5310	13.35	13.45	16.41

#### 7.6.4. PEAK POWER SPECTRAL DENSITY

##### LIMITS

FCC §15.407 (a) (2)

IC RSS-210 A9.2 (2)

For the 5.25-5.35 GHz band, the peak 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 peak transmit 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.

The maximum antenna gain is less than or equal to 6 dBi, therefore the limit is 11 dBm.

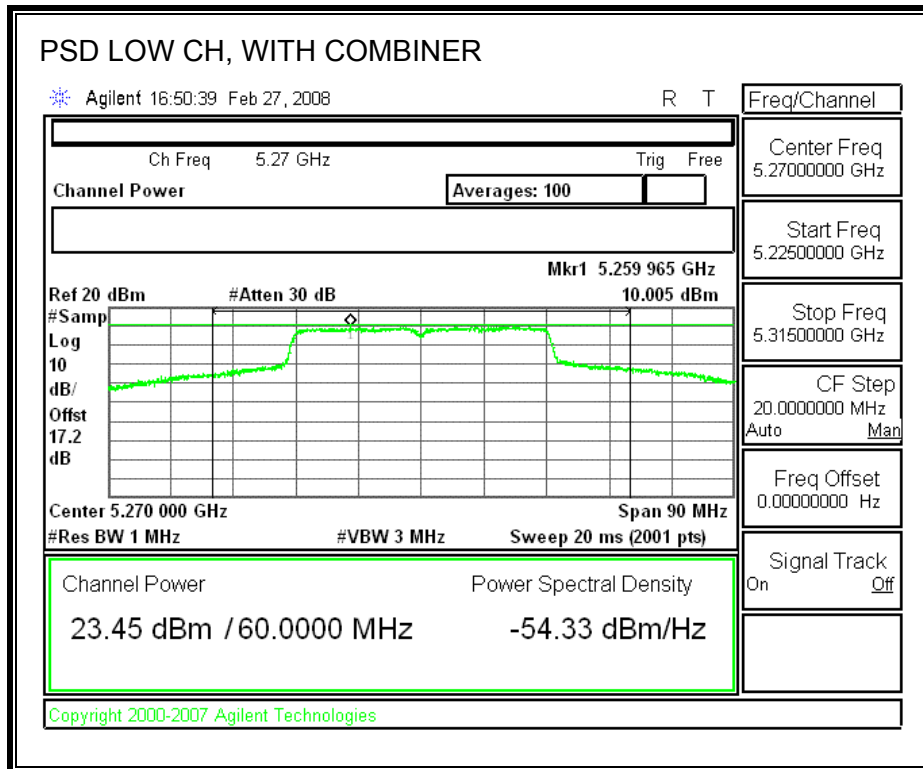
##### TEST PROCEDURE

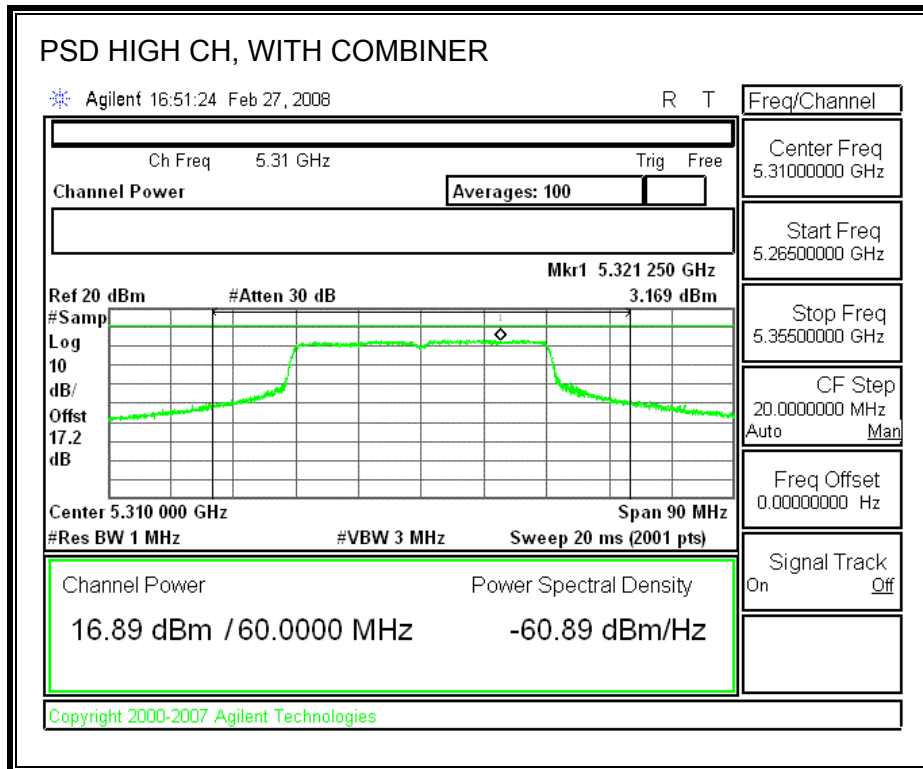
The test is performed in accordance with FCC Public Notice: APPENDIX A Guidelines for Assessing Unlicensed National Information Infrastructure (U-NII) Devices – Part 15, Subpart E, August 2002. PPSD method #2 was used.

##### RESULTS

Channel	Frequency (MHz)	PPSD With Combiner (dBm)	Limit (dBm)	Margin (dB)
Low	5270	10.01	11	-0.99
High	5310	3.17	11	-7.83

POWER SPECTRAL DENSITY WITH COMBINER





### 7.6.5. PEAK EXCURSION

#### LIMITS

FCC §15.407 (a) (6)

The ratio of the peak excursion of the modulation envelope (measured using a peak hold function) to the peak transmit power (measured as specified above) shall not exceed 13 dB across any 1 MHz bandwidth or the emission bandwidth whichever is less.

#### TEST PROCEDURE

The transmitter outputs are connected to the spectrum analyzer via a combiner.

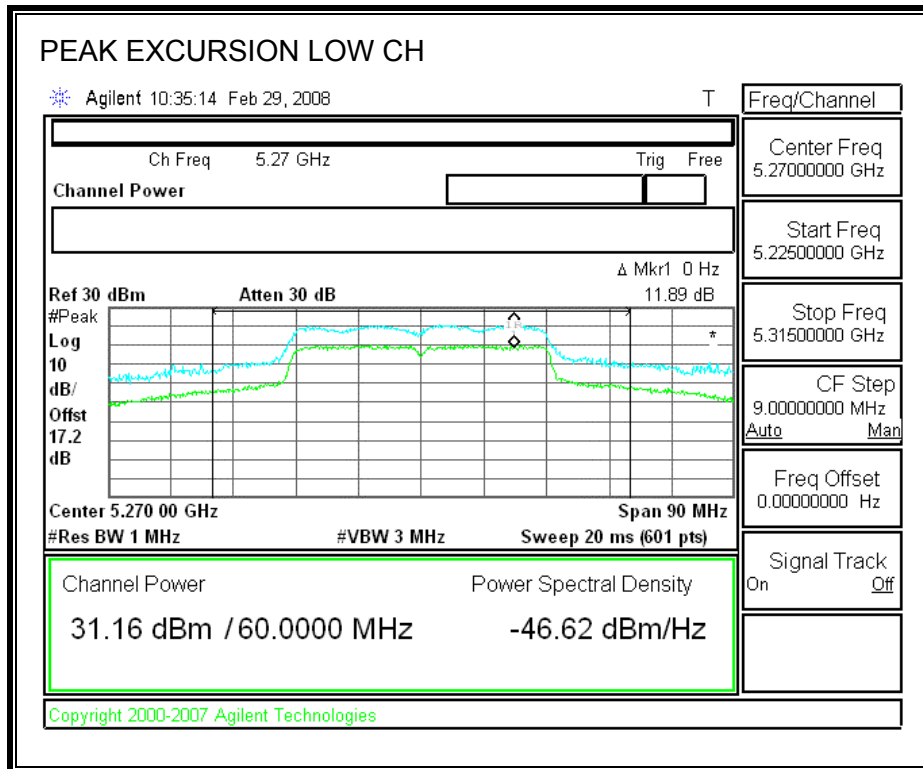
The test is performed in accordance with FCC Public Notice: APPENDIX A Guidelines for Assessing Unlicensed National Information Infrastructure (U-NII) Devices – Part 15, Subpart E, August 2002.

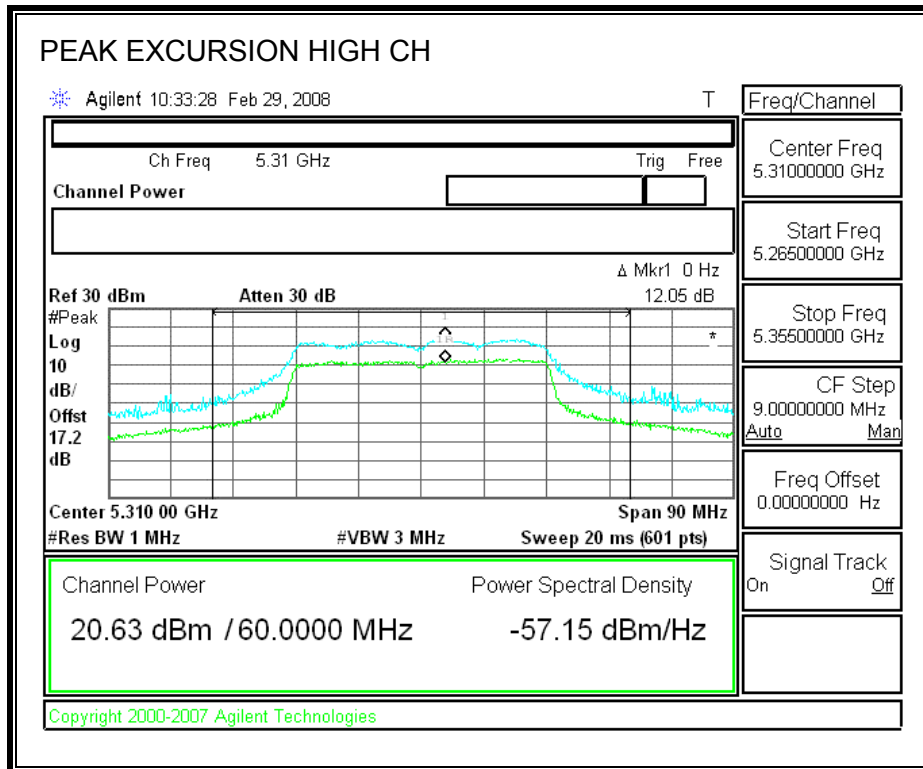
Since Method # 1 was used for peak power measurements, Method # 1 settings are used for the second PPSD trace.

#### RESULTS

Channel	Frequency (MHz)	Peak Excursion (dB)	Limit (dB)	Margin (dB)
Low	5270	11.89	13	-1.11
High	5310	12.05	13	-0.95

PEAK EXCURSION





## **7.6.6. CONDUCTED SPURIOUS EMISSIONS**

### **LIMITS**

FCC §15.407 (b) (2)

IC RSS-210 A9.3 (2)

For transmitters operating in the 5.25-5.35 GHz band: all emissions outside of the 5.25-5.35 GHz band shall not exceed an EIRP of -27 dBm / MHz.

Devices operating in the 5.25-5.35 GHz band that generate emissions in the 5.15-5.25 GHz band must meet all applicable technical requirements for operation in the 5.15-5.25 GHz band (including indoor use) or alternatively meet an out-of-band emission EIRP limit of -27 dBm/MHz in the 5.15-5.25 GHz band.

### **TEST PROCEDURE**

Conducted RF measurements of the transmitter output are made to confirm that the EUT antenna port conducted emissions meet the specified limit and to identify any spurious signals that require further investigation or measurements on the radiated emissions site.

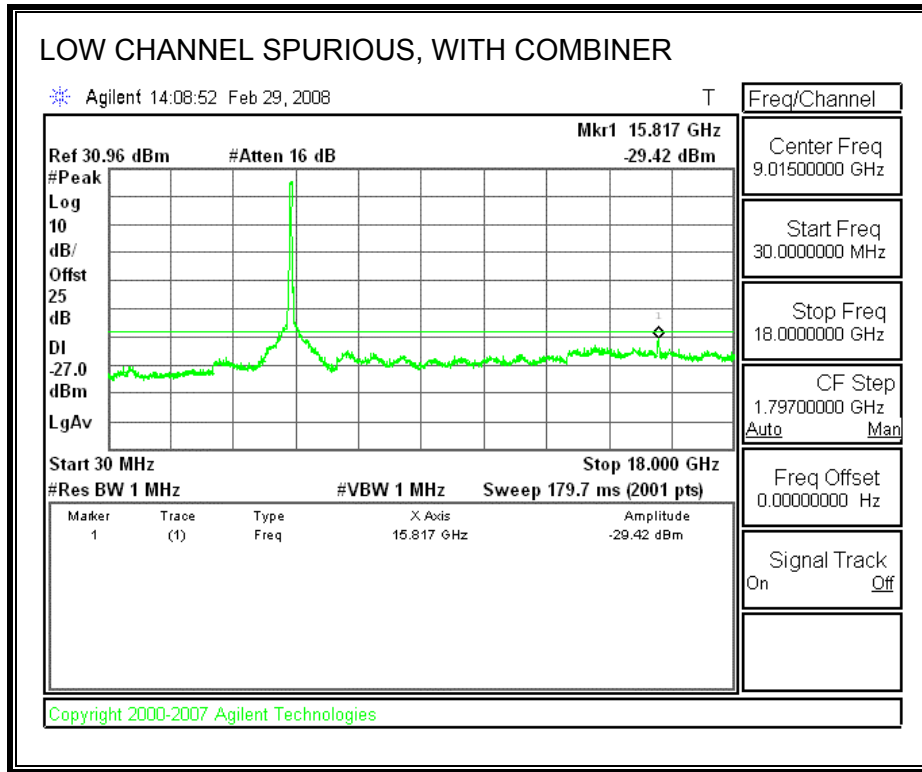
The transmitter output is connected to the spectrum analyzer. The resolution bandwidth is set to 1 MHz. The video bandwidth is set to 1 MHz. Peak detection measurements are compared to the average EIRP limit, adjusted for the maximum antenna gain. If necessary, additional average detection measurements are made.

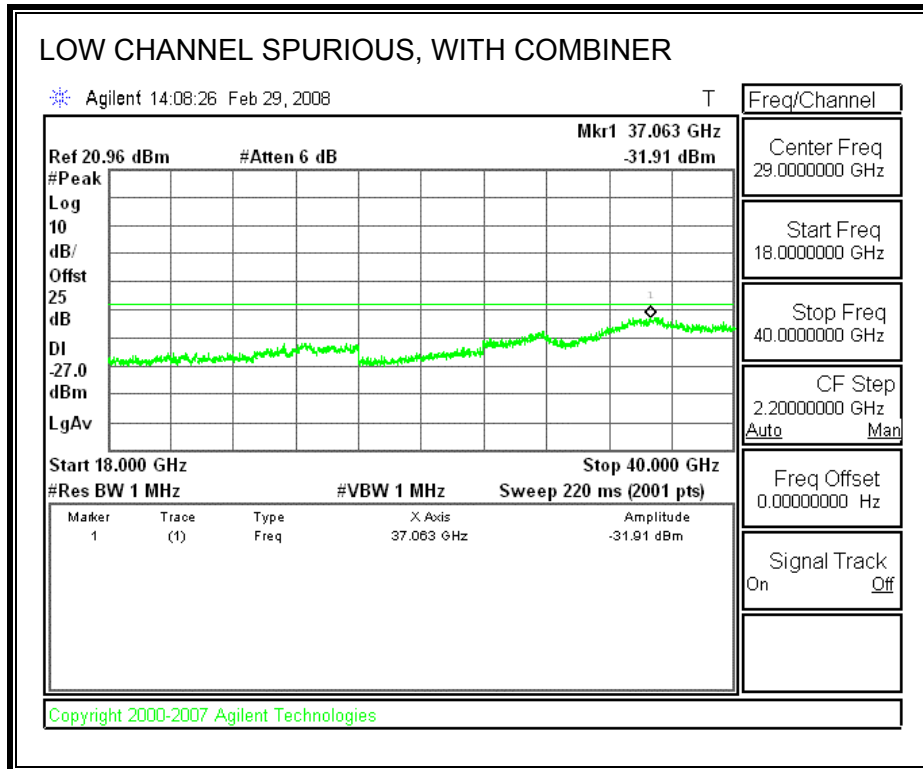
Measurements are made over the 30 MHz to 40 GHz range with the transmitter set to the lowest, middle, and highest channels.

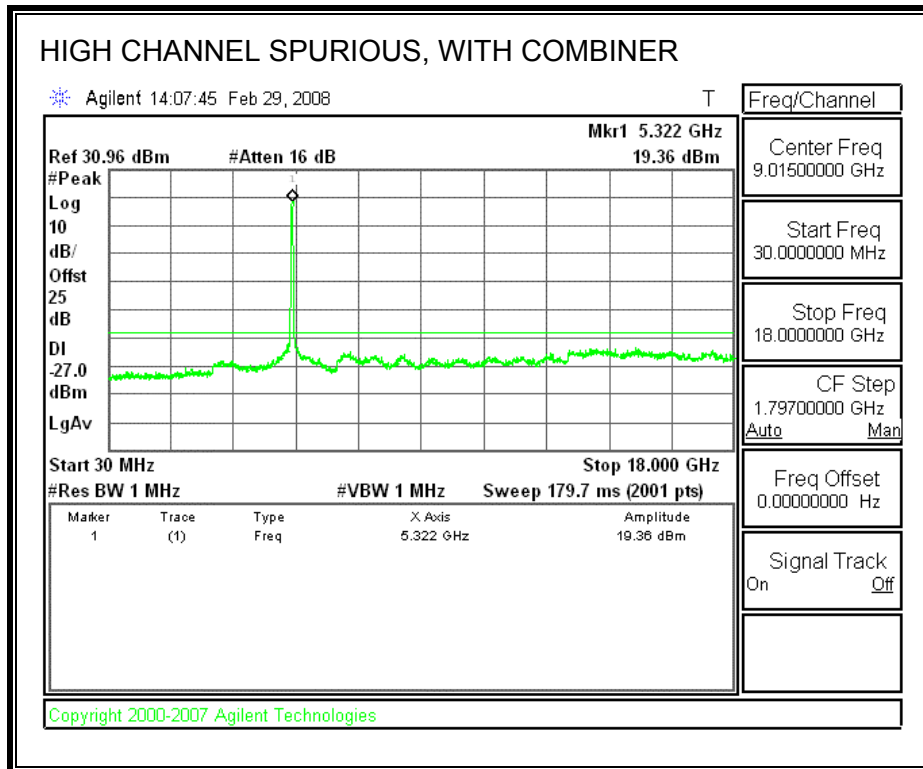
### **RESULTS**

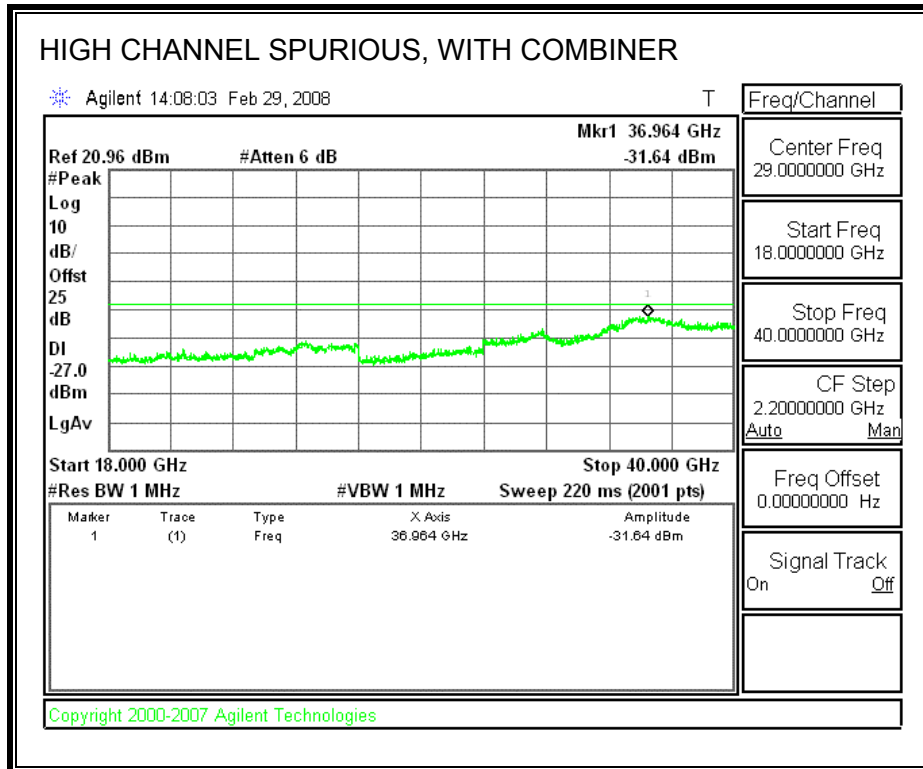


**SPURIOUS EMISSIONS WITH COMBINER**









## 7.7. 802.11a DUAL CHAIN LEGACY MODE IN THE 5.6 GHz BAND

### 7.7.1. 26 dB and 99% BANDWIDTH

#### LIMITS

None; for reporting purposes only.

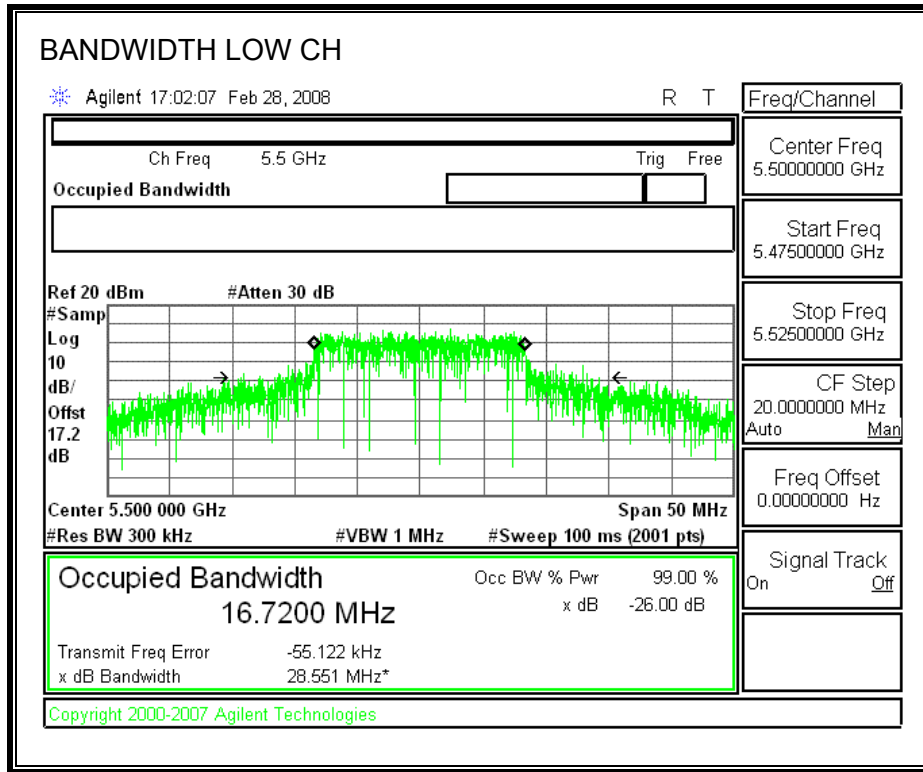
#### TEST PROCEDURE

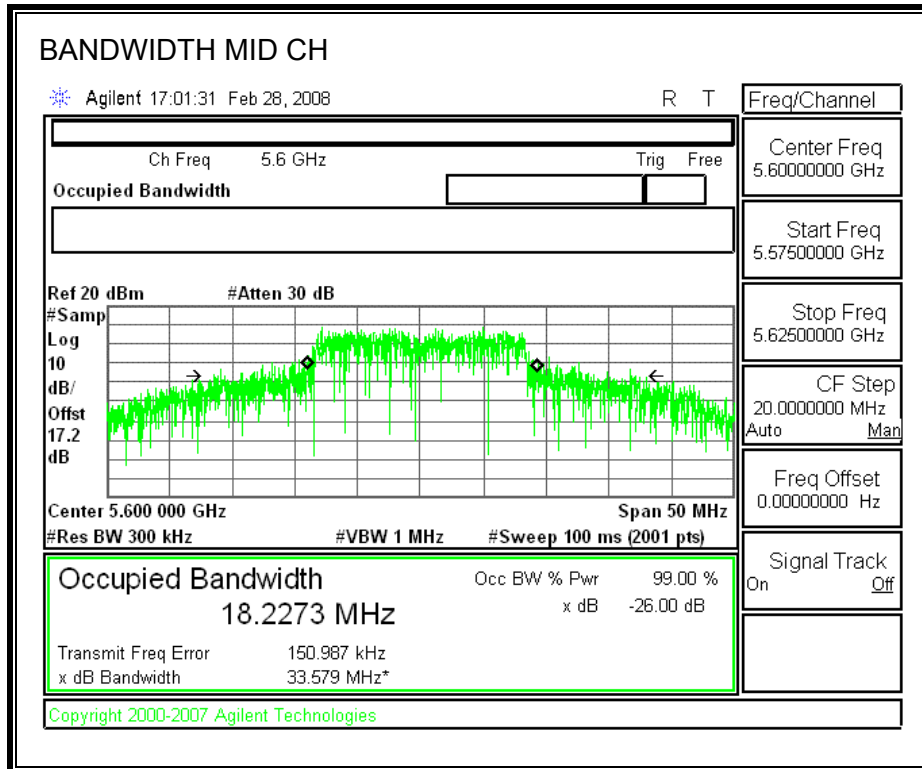
The transmitter outputs are connected to the spectrum analyzer via a combiner. The RBW is set to 1% to 3% of the measured bandwidth. The VBW is set to 3 times the RBW. The sweep time is coupled. The spectrum analyzer internal bandwidth function is utilized.

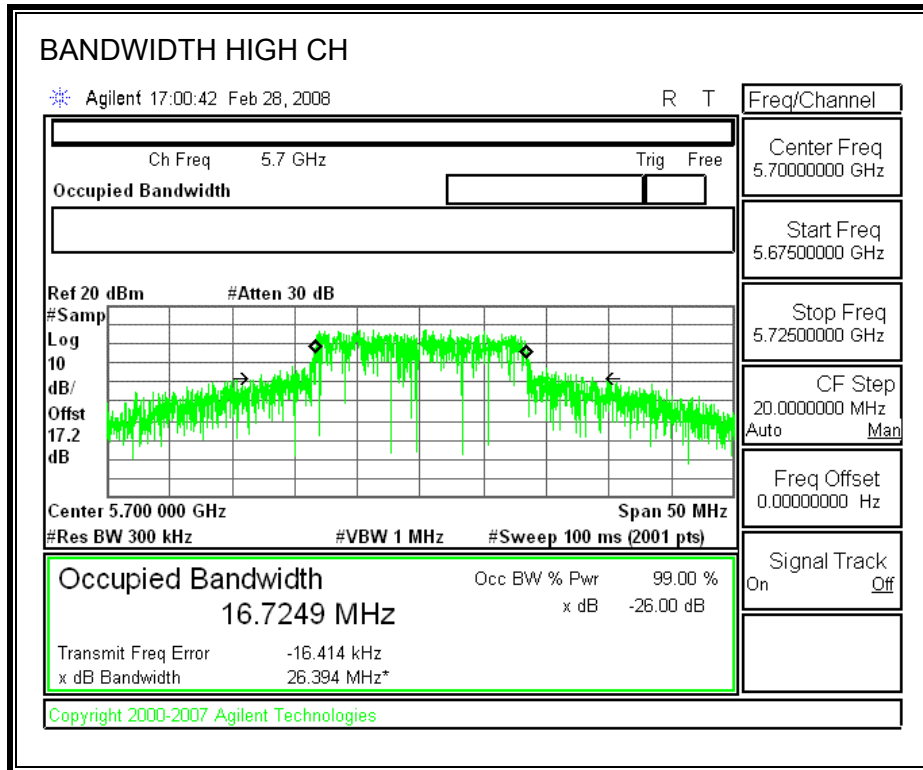
#### RESULTS

Channel	Frequency (MHz)	26 dB Bandwidth (MHz)	99% Bandwidth (MHz)
Low	5500	28.551	16.7200
Middle	5600	33.579	18.2273
High	5700	26.394	16.7249

**26 dB and 99% BANDWIDTH**









## 7.7.2. OUTPUT POWER

### LIMITS

FCC §15.407 (a) (2)

IC RSS-210 A9.2 (2)

Effective Legacy Gain (dBi)
8.20

For the 5.47-5.725 GHz band, 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. If transmitting antennas of directional gain greater than 6 dBi are used, both the peak transmit power and the peak power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

### TEST PROCEDURE

The test is performed in accordance with FCC Public Notice: APPENDIX A Guidelines for Assessing Unlicensed National Information Infrastructure (U-NII) Devices – Part 15, Subpart E, August 2002.

The transmitter output operates continuously therefore Method # 1 is used.

### RESULTS

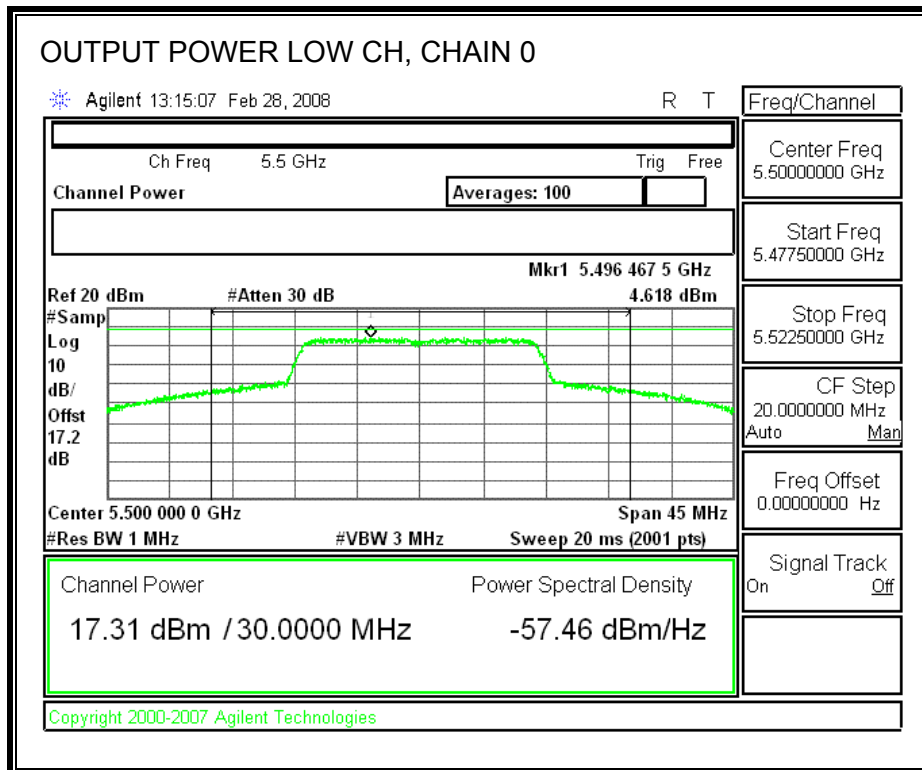
#### Limit

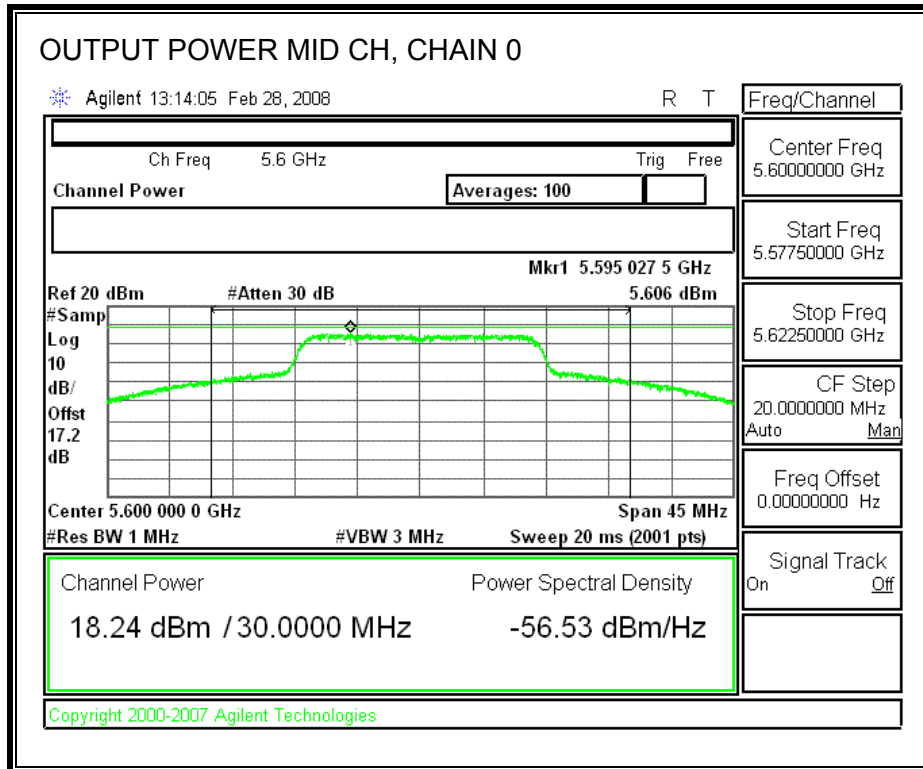
Channel	Frequency (MHz)	Fixed Limit (dBm)	B (MHz)	11 + 10 Log B Limit (dBm)	Antenna Gain (dBi)	Limit (dBm)
Low	5500	24	28.551	25.56	8.20	21.80
Mid	5600	24	33.579	26.26	8.20	21.80
High	5700	24	26.394	25.22	8.20	21.80

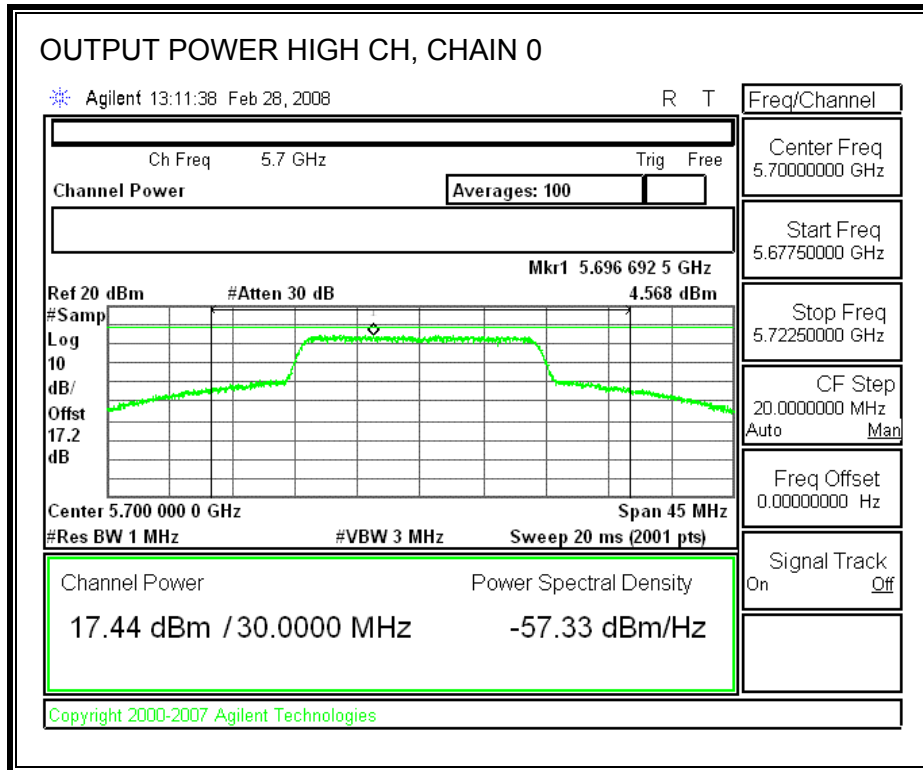
#### Individual Chain Results

Channel	Frequency (MHz)	Chain 0 Power (dBm)	Chain 1 Power (dBm)	Total Power (dBm)	Limit (dBm)	Margin (dB)
Low	5500	17.31	17.08	20.21	21.80	-1.59
Mid	5600	18.24	18.01	21.14	21.80	-0.66
High	5700	17.44	17.36	20.41	21.80	-1.39

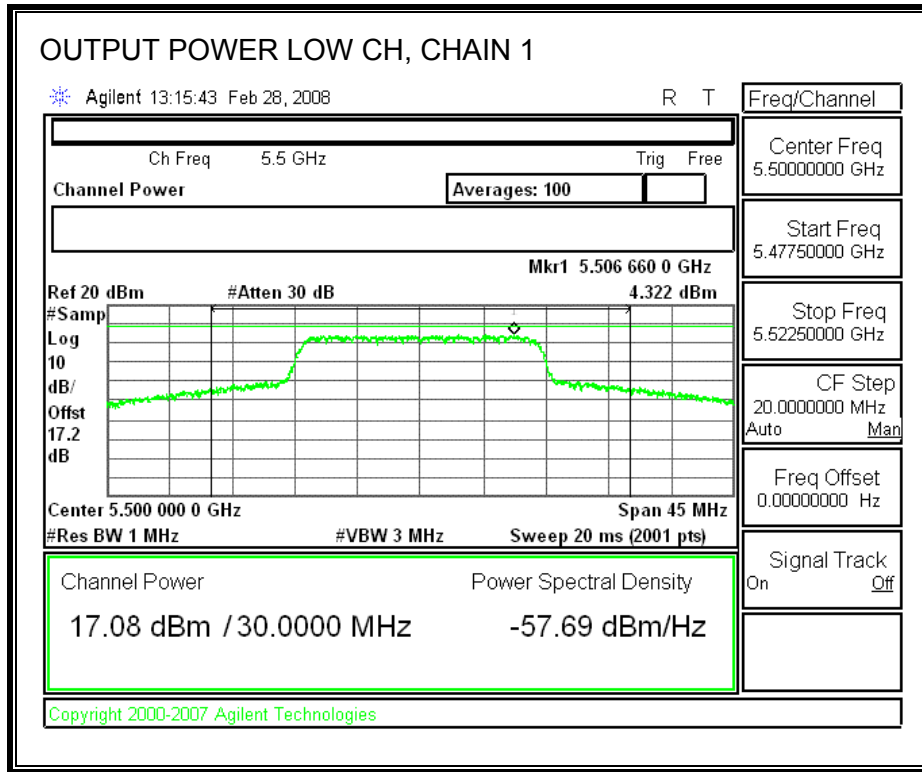
**CHAIN 0 OUTPUT POWER**

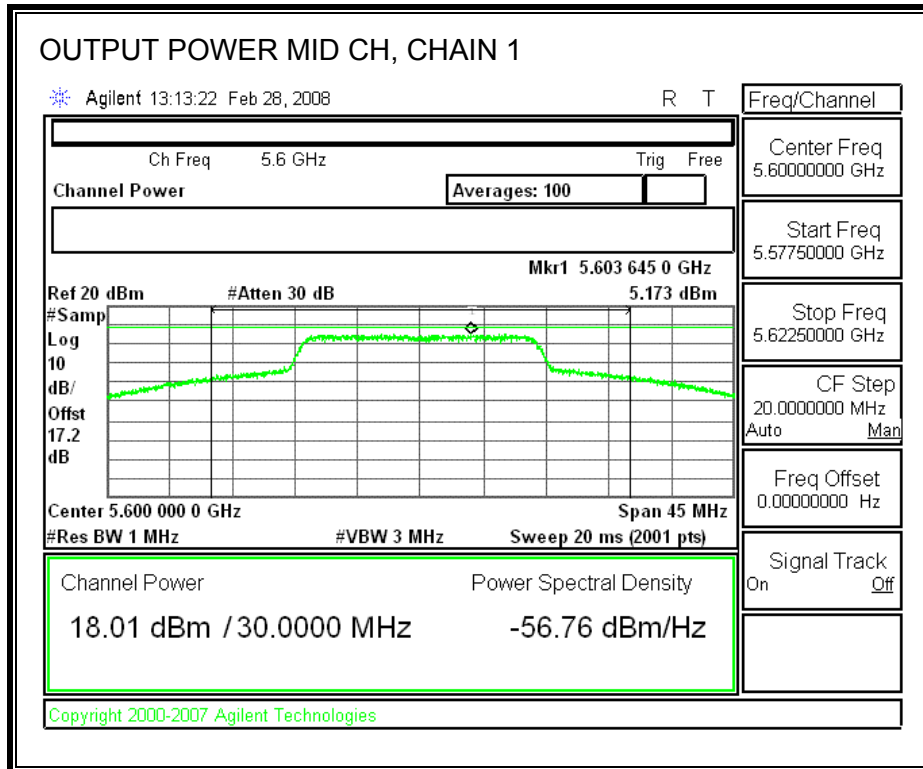


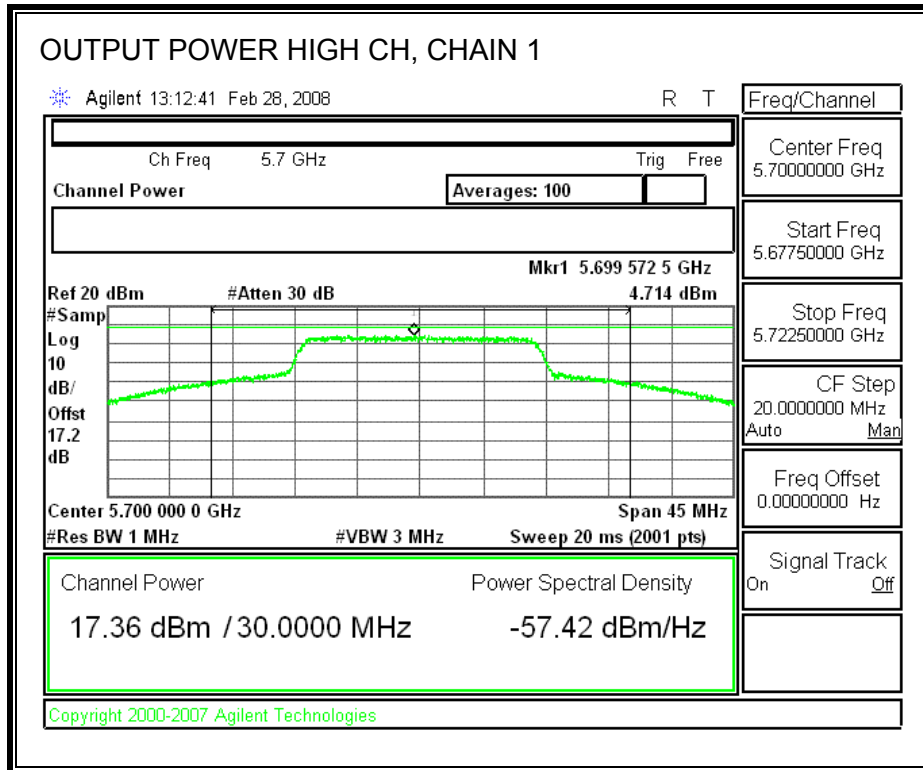




**CHAIN 1 OUTPUT POWER**







### 7.7.3. AVERAGE POWER

#### LIMITS

None; for reporting purposes only.

#### TEST PROCEDURE

The transmitter output is connected to a power meter.

#### RESULTS

The cable assembly insertion loss of 17.2 dB (including 16 dB pad and 1.2 dB cable) was entered as an offset in the power meter to allow for direct reading of power.

Channel	Frequency (MHz)	Chain 0 Power (dBm)	Chain 1 Power (dBm)	Total Power (dBm)
Low	5500	17.10	16.83	19.98
Middle	5600	18.04	17.89	20.98
High	5700	17.48	17.39	20.45



### 7.7.4. PEAK POWER SPECTRAL DENSITY

#### LIMITS

FCC §15.407 (a) (2)

IC RSS-210 A9.2 (2)

<b>Effective Legacy Gain (dBi)</b>
<b>8.20</b>

For the 5.47-5.725 GHz band, the peak 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 peak transmit 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.

The maximum antenna gain is 8.2 dBi, therefore the limit is 8.8 dBm.

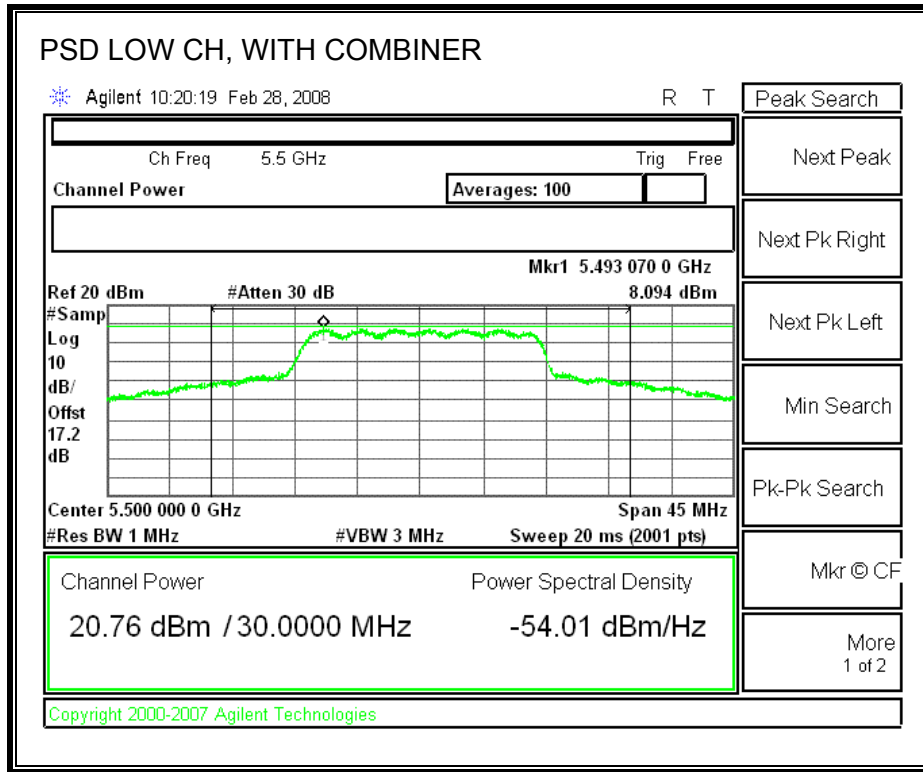
#### TEST PROCEDURE

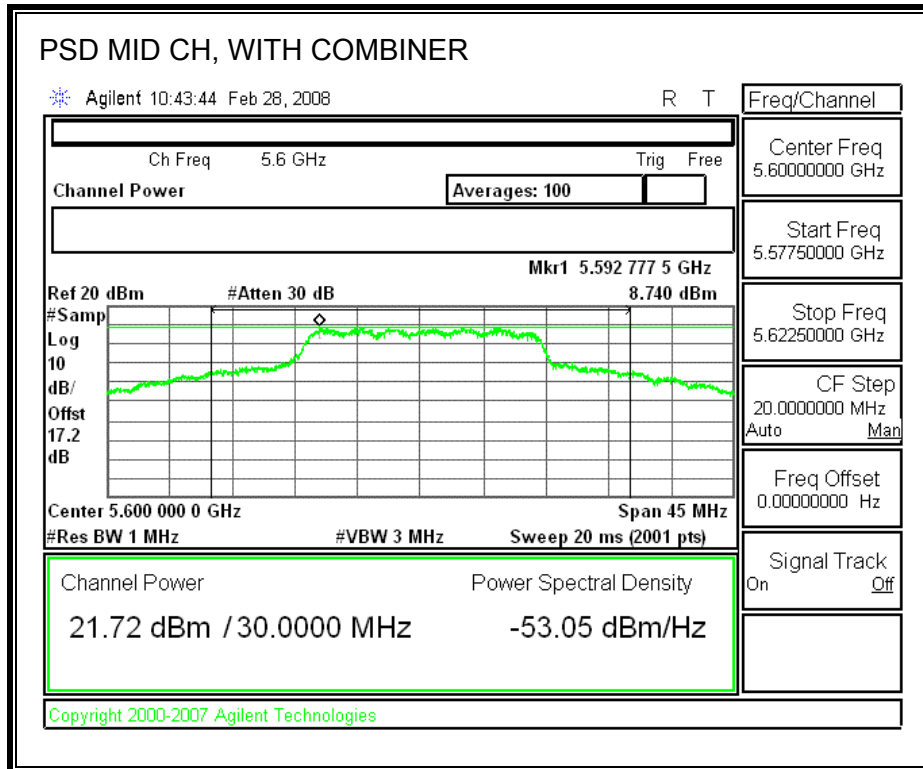
The test is performed in accordance with FCC Public Notice: APPENDIX A Guidelines for Assessing Unlicensed National Information Infrastructure (U-NII) Devices – Part 15, Subpart E, August 2002. PPSD method #2 was used.

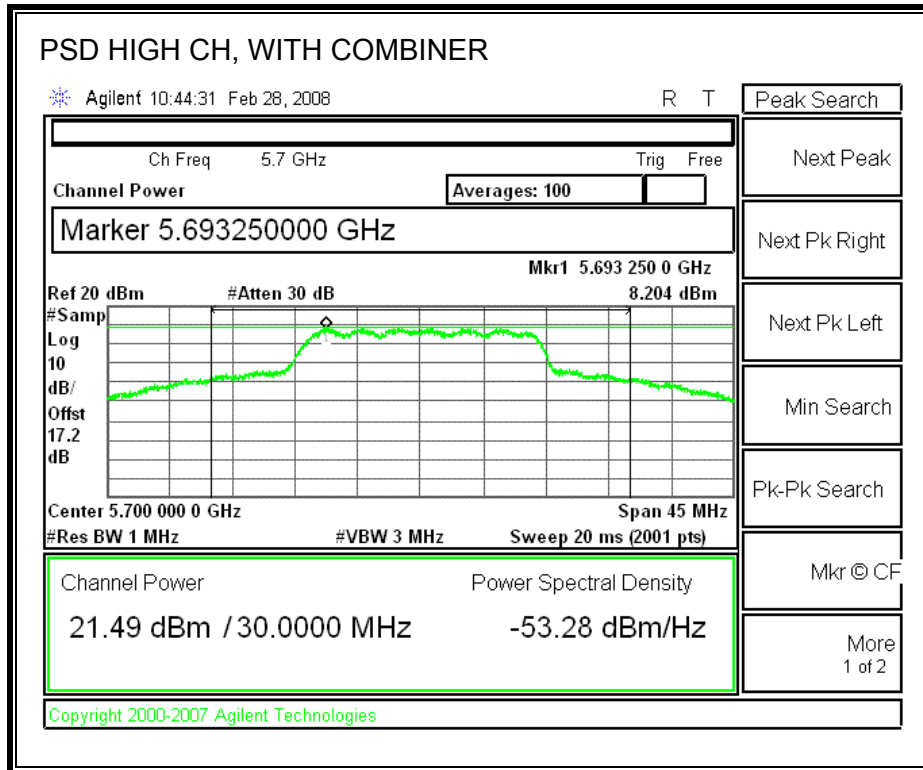
#### RESULTS

Channel	Frequency (MHz)	PPSD With Combiner (dBm)	Limit (dBm)	Margin (dB)
Low	5500	8.09	8.80	-0.71
Middle	5600	8.74	8.80	-0.06
High	5700	8.20	8.80	-0.60

**POWER SPECTRAL DENSITY WITH COMBINER**







### 7.7.5. PEAK EXCURSION

#### LIMITS

FCC §15.407 (a) (6)

The ratio of the peak excursion of the modulation envelope (measured using a peak hold function) to the peak transmit power (measured as specified above) shall not exceed 13 dB across any 1 MHz bandwidth or the emission bandwidth whichever is less.

#### TEST PROCEDURE

The transmitter outputs are connected to the spectrum analyzer via a combiner.

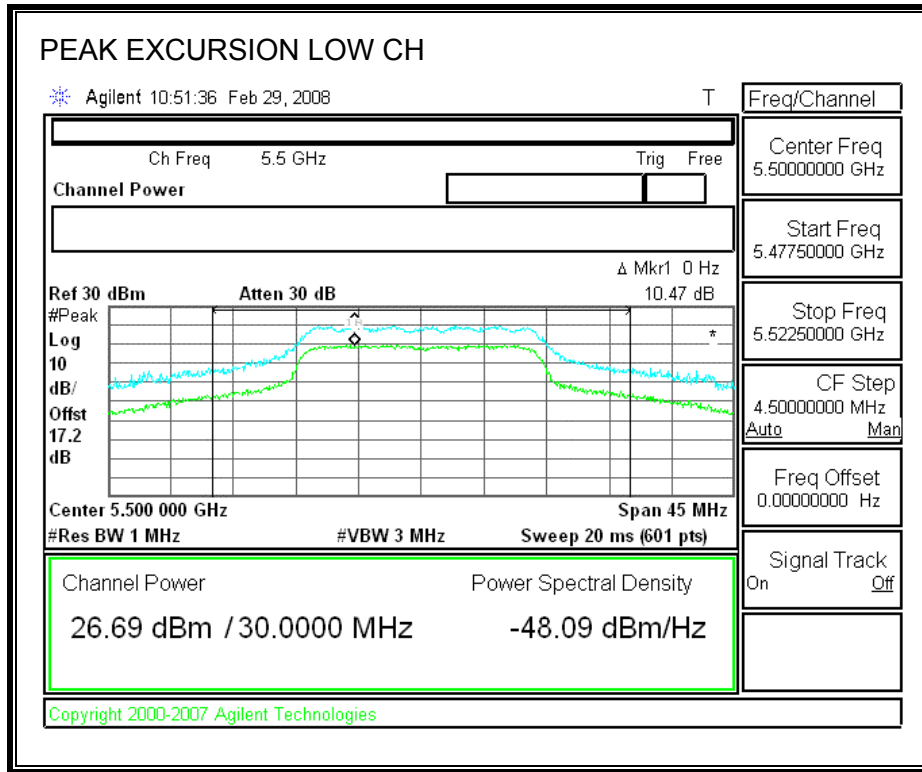
The test is performed in accordance with FCC Public Notice: APPENDIX A Guidelines for Assessing Unlicensed National Information Infrastructure (U-NII) Devices – Part 15, Subpart E, August 2002.

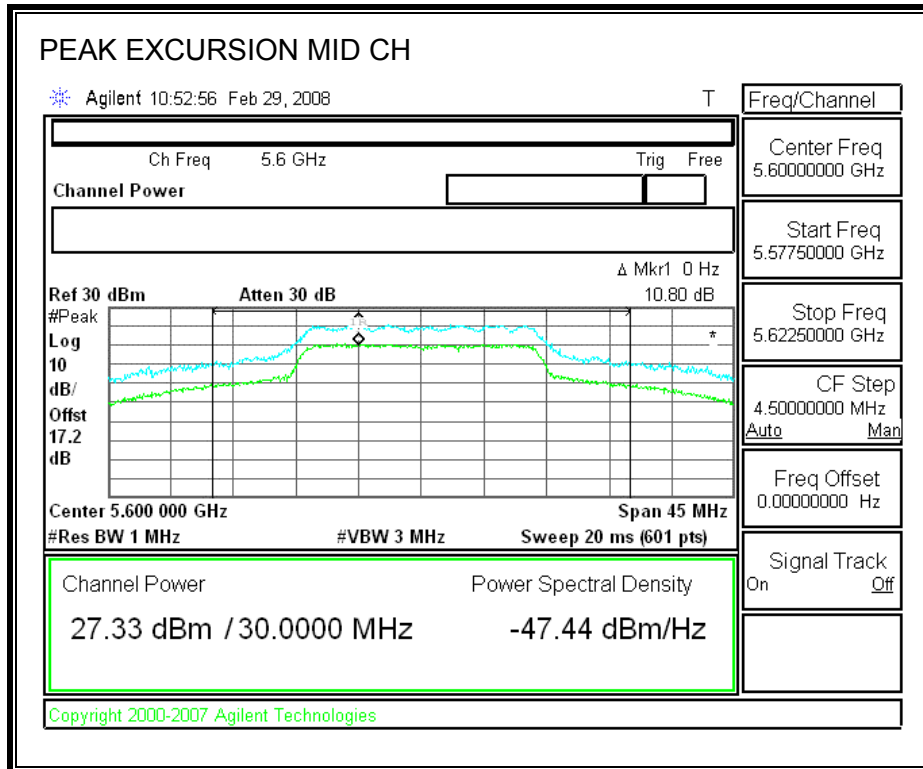
Since Method # 1 was used for peak power measurements, Method # 1 settings are used for the second PPSD trace.

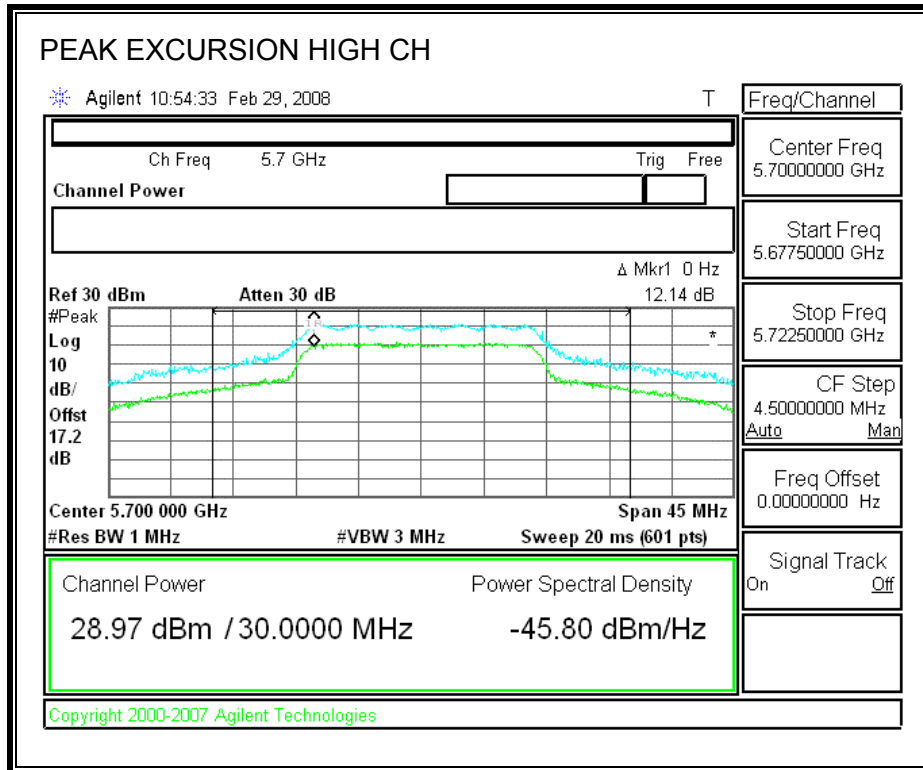
#### RESULTS

Channel	Frequency (MHz)	Peak Excursion (dB)	Limit (dB)	Margin (dB)
Low	5500	10.47	13	-2.53
Middle	5600	10.80	13	-2.20
High	5700	12.14	13	-0.86

**PEAK EXCURSION**









## **7.7.6. CONDUCTED SPURIOUS EMISSIONS**

### **LIMITS**

FCC §15.407 (b) (3)

IC RSS-210 A9.3 (3)

For transmitters operating in the 5.47-5.725 GHz band: all emissions outside of the 5.47-5.725 GHz band shall not exceed an EIRP of -27 dBm / MHz.

### **TEST PROCEDURE**

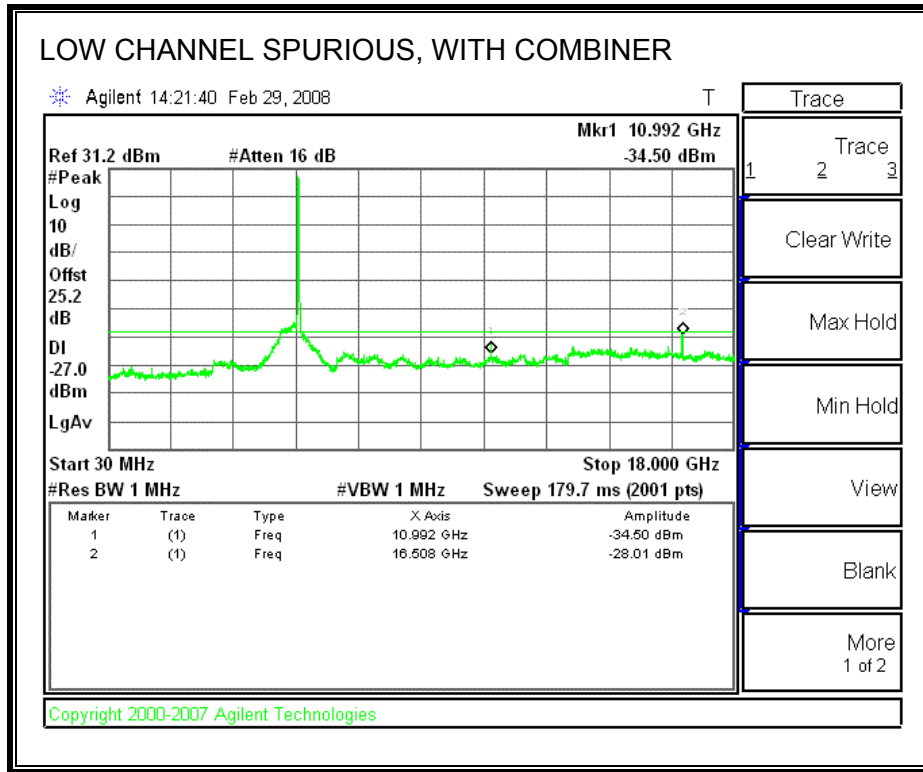
Conducted RF measurements of the transmitter output are made to confirm that the EUT antenna port conducted emissions meet the specified limit and to identify any spurious signals that require further investigation or measurements on the radiated emissions site.

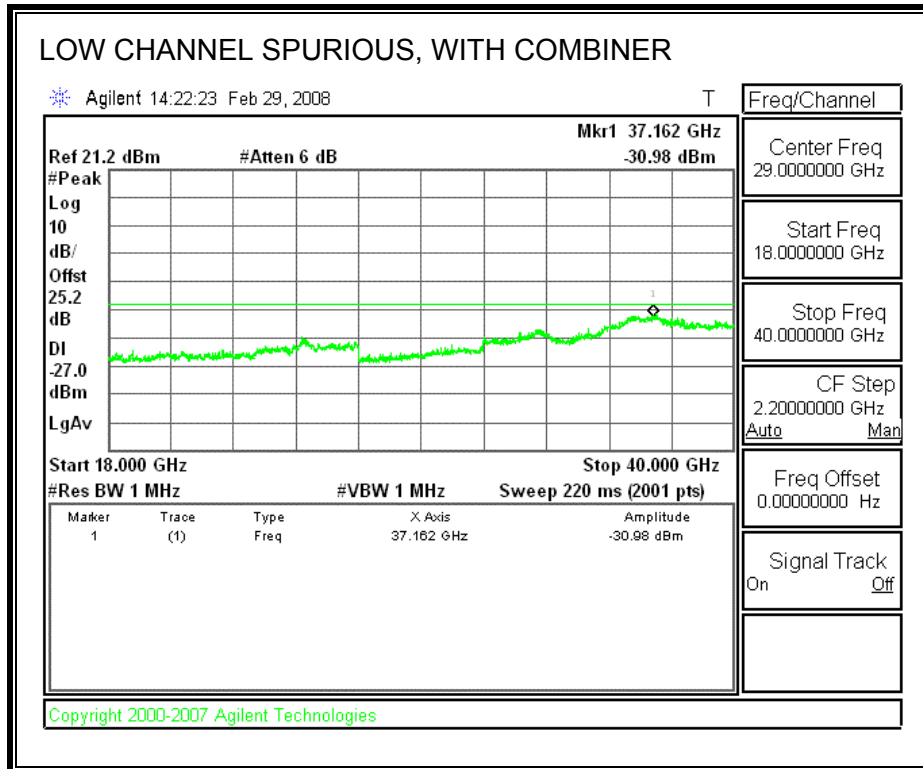
The transmitter output is connected to the spectrum analyzer. The resolution bandwidth is set to 1 MHz. The video bandwidth is set to 1 MHz. Peak detection measurements are compared to the average EIRP limit, adjusted for the maximum antenna gain. If necessary, additional average detection measurements are made.

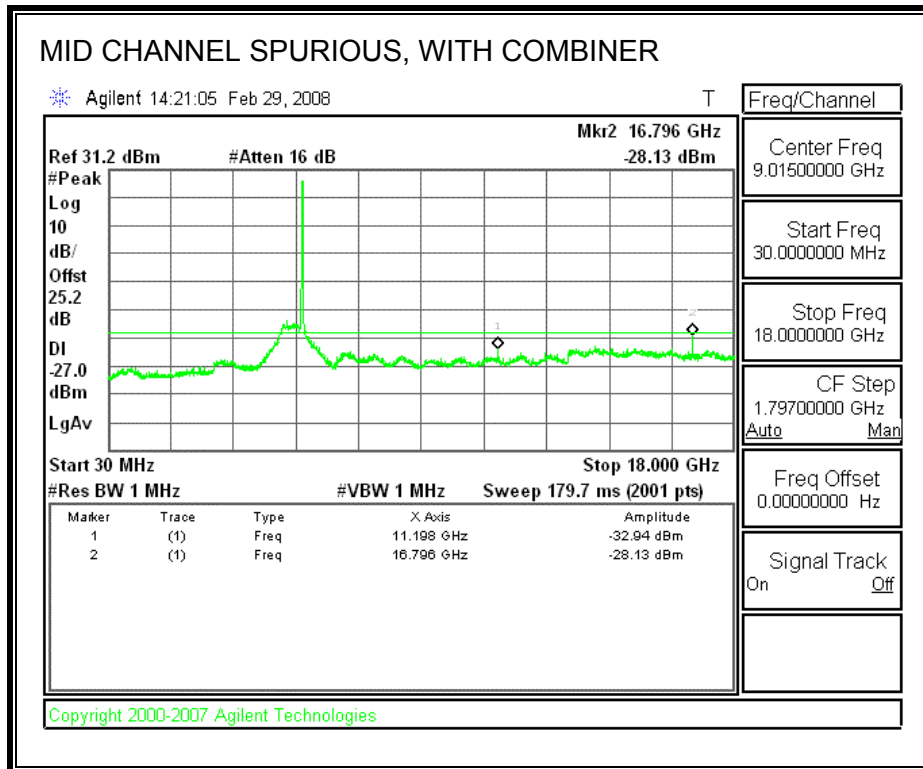
Measurements are made over the 30 MHz to 40 GHz range with the transmitter set to the lowest, middle, and highest channels.

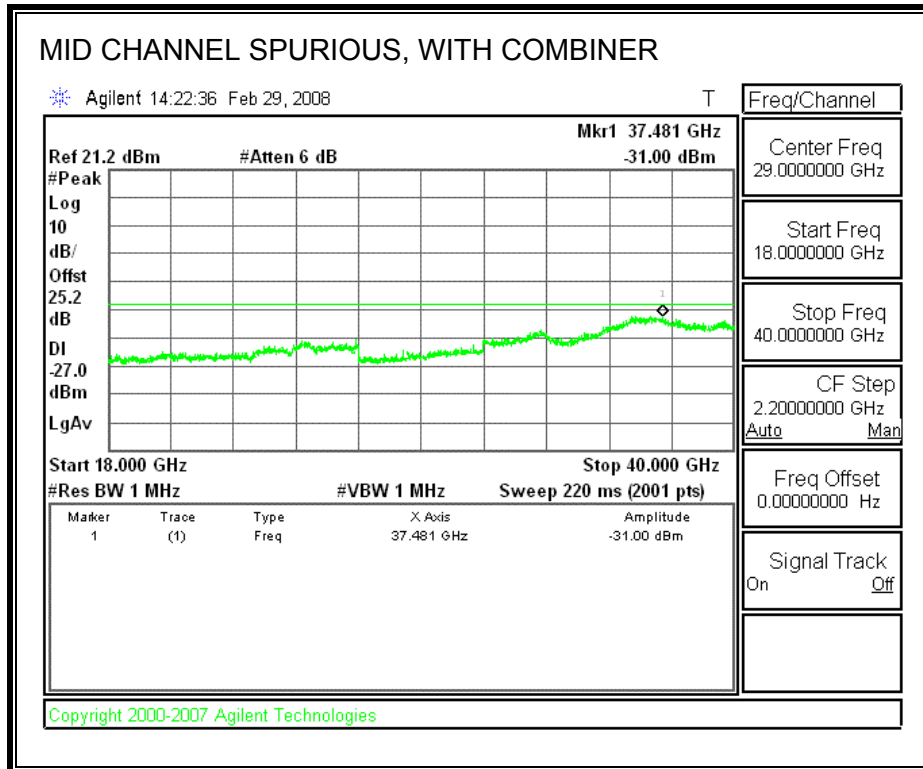
### **RESULTS**

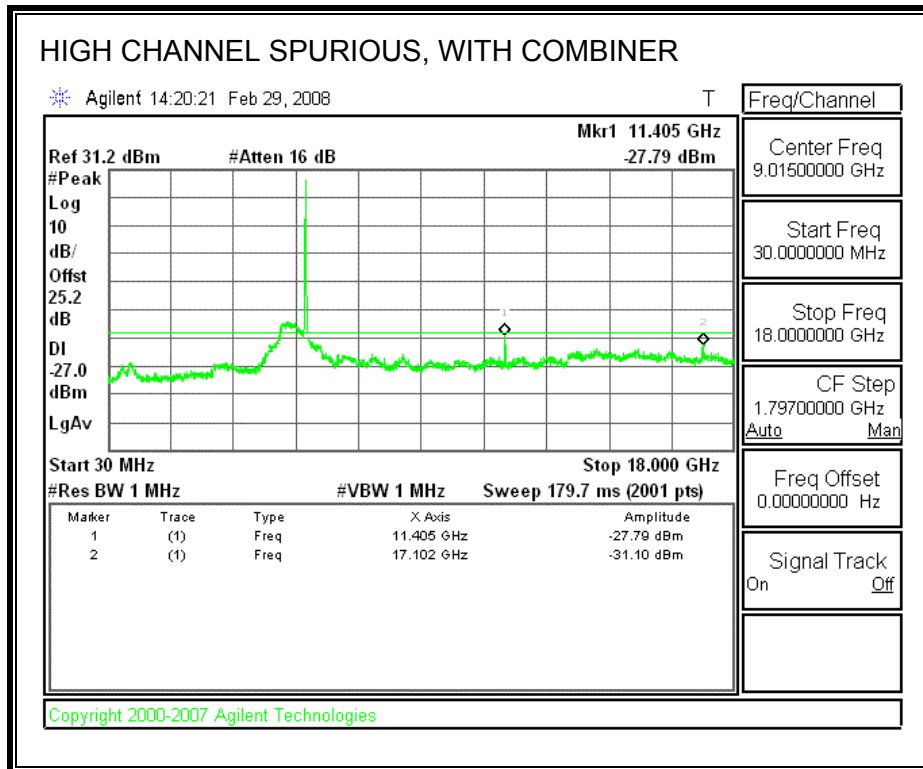
**SPURIOUS EMISSIONS WITH COMBINER**

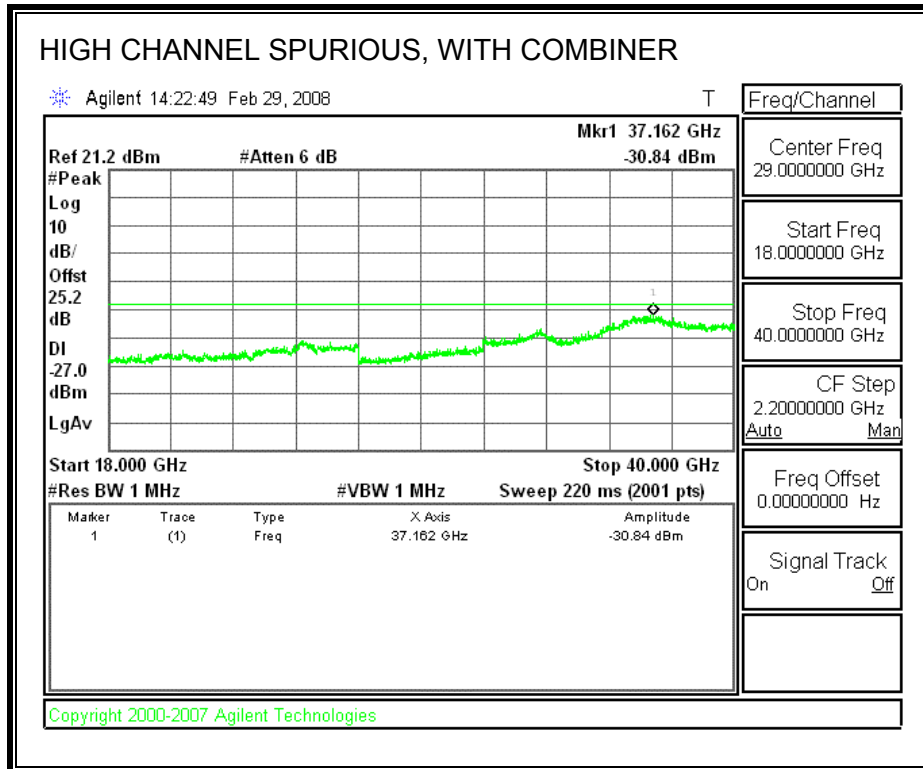












## 7.8. 802.11n HT20 MODE IN THE 5.6 GHz BAND

### 7.8.1. 26 dB and 99% BANDWIDTH

#### LIMITS

None; for reporting purposes only.

#### TEST PROCEDURE

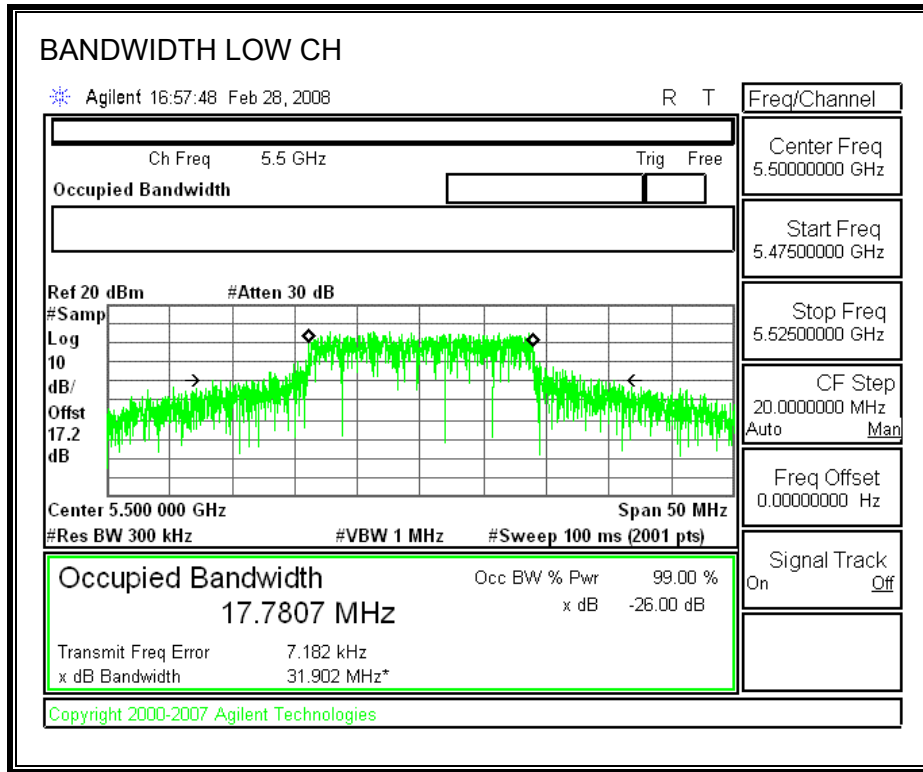
The transmitter outputs are connected to the spectrum analyzer via a combiner. The RBW is set to 1% to 3% of the measured bandwidth. The VBW is set to 3 times the RBW. The sweep time is coupled. The spectrum analyzer internal bandwidth function is utilized.

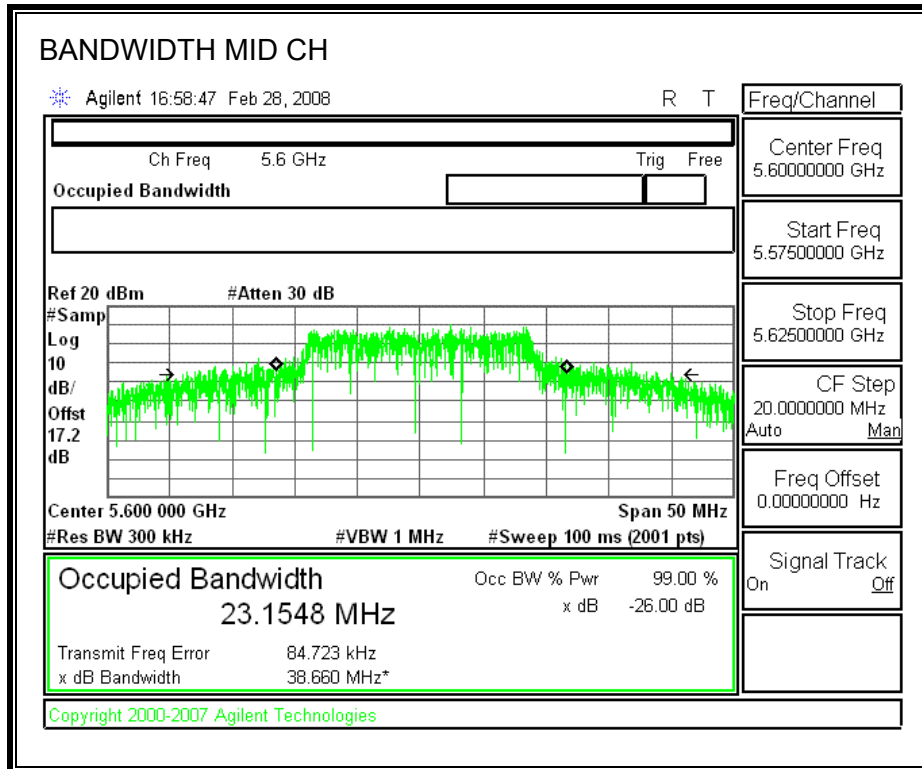
#### RESULTS

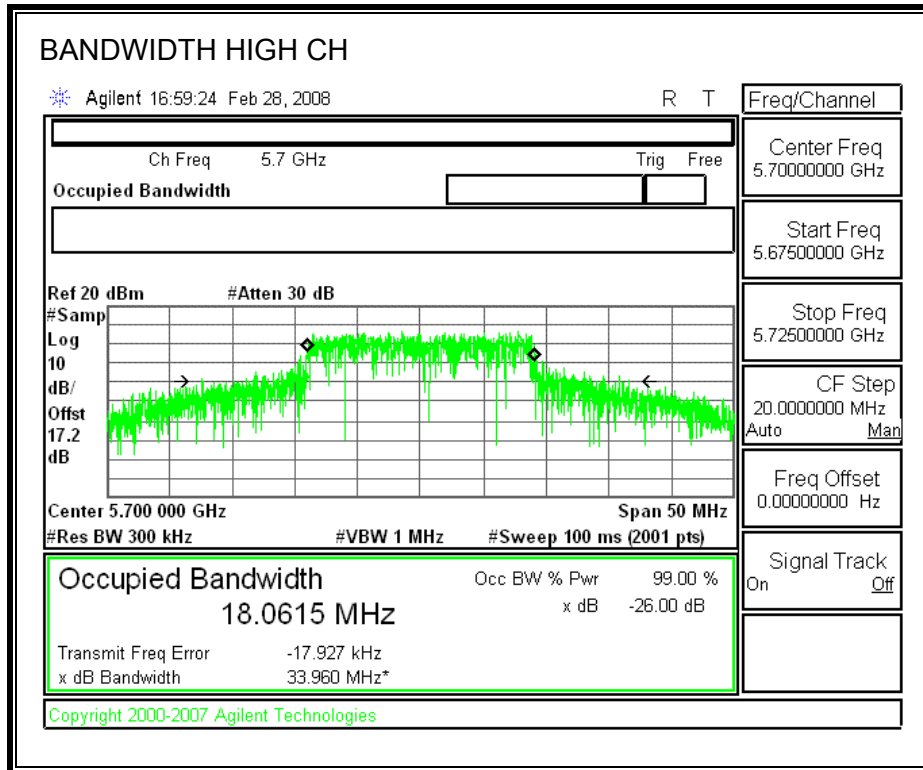
Channel	Frequency (MHz)	26 dB Bandwidth (MHz)	99% Bandwidth (MHz)
Low	5500	31.902	17.7807
Middle	5600	38.660	23.1548
High	5700	33.960	18.0615



**26 dB and 99% BANDWIDTH**







## 7.8.2. OUTPUT POWER

### LIMITS

FCC §15.407 (a) (2)

IC RSS-210 A9.2 (2)

For the 5.47-5.725 GHz band, 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. If transmitting antennas of directional gain greater than 6 dBi are used, both the peak transmit power and the peak power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

### TEST PROCEDURE

The test is performed in accordance with FCC Public Notice: APPENDIX A Guidelines for Assessing Unlicensed National Information Infrastructure (U-NII) Devices – Part 15, Subpart E, August 2002.

The transmitter output operates continuously therefore Method # 1 is used.

### RESULTS

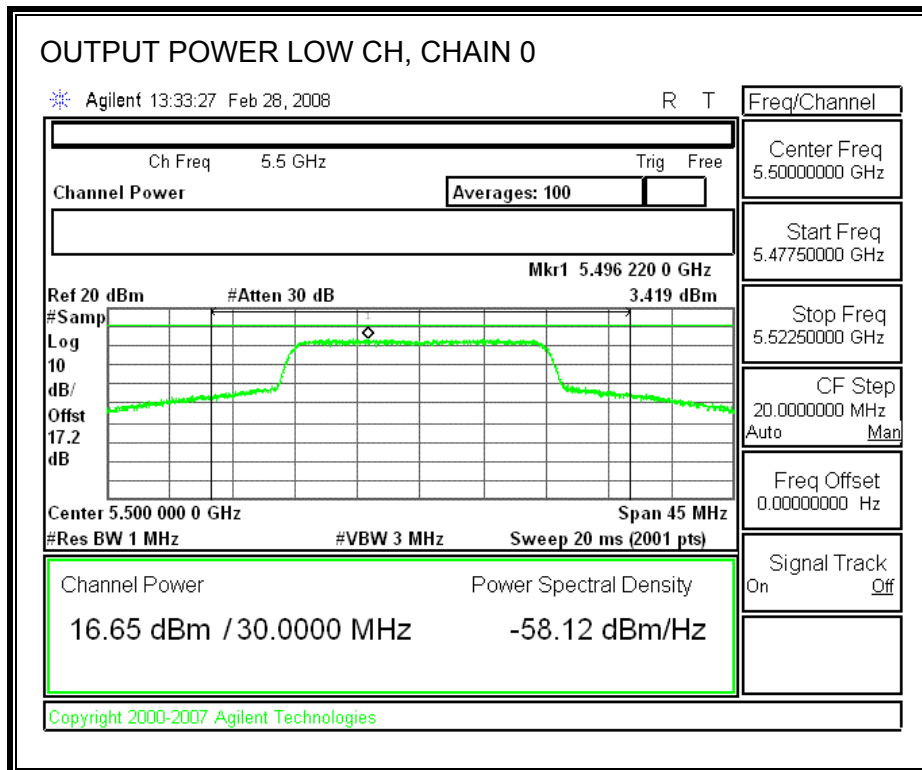
#### Limit

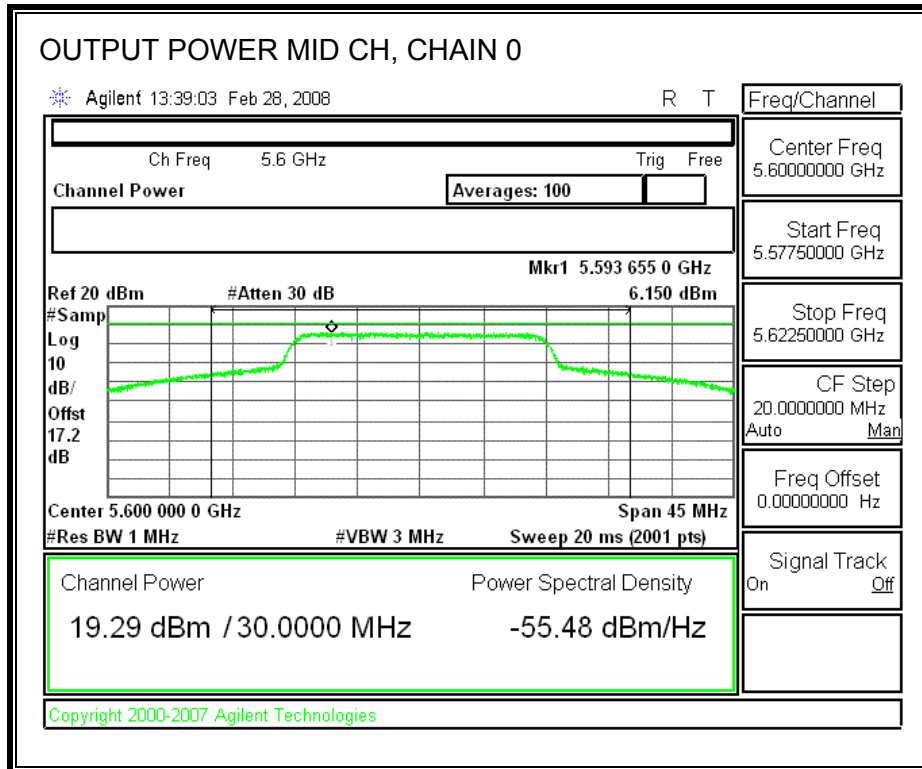
Channel	Frequency (MHz)	Fixed Limit (dBm)	B (MHz)	11 + 10 Log B Limit (dBm)	Antenna Gain (dBi)	Limit (dBm)
Low	5500	24	31.902	26.04	5.34	24
Mid	5600	24	38.660	26.87	5.34	24
High	5700	24	33.960	26.31	5.34	24

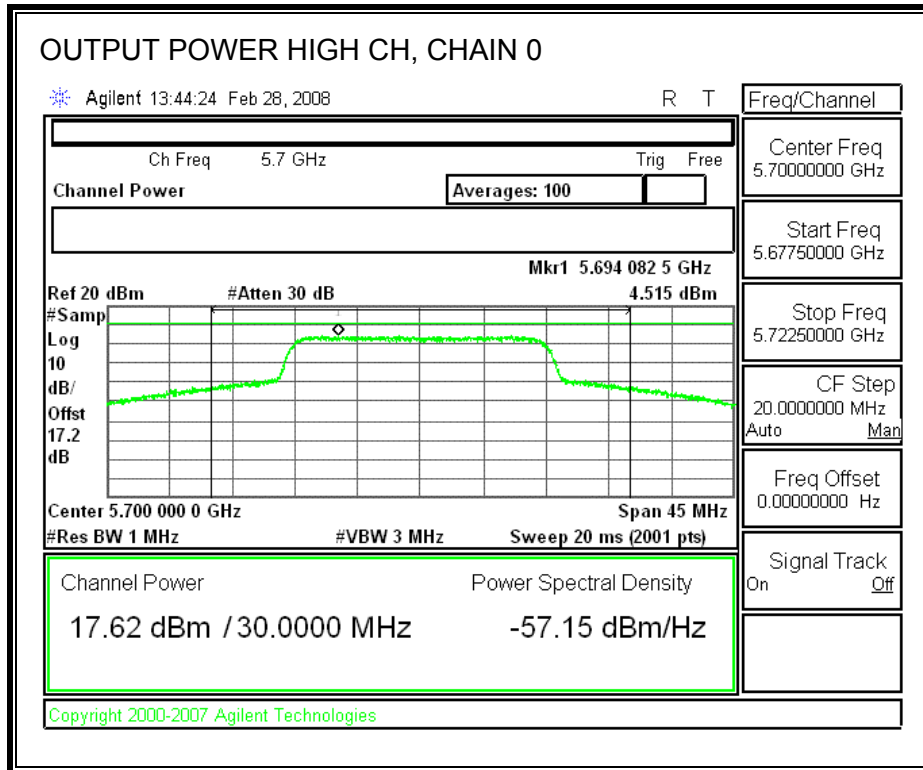
#### Individual Chain Results

Channel	Frequency (MHz)	Chain 0 Power (dBm)	Chain 1 Power (dBm)	Total Power (dBm)	Limit (dBm)	Margin (dB)
Low	5500	16.65	16.82	19.75	24.00	-4.25
Mid	5600	19.29	19.07	22.19	24.00	-1.81
High	5700	17.62	17.54	20.59	24.00	-3.41

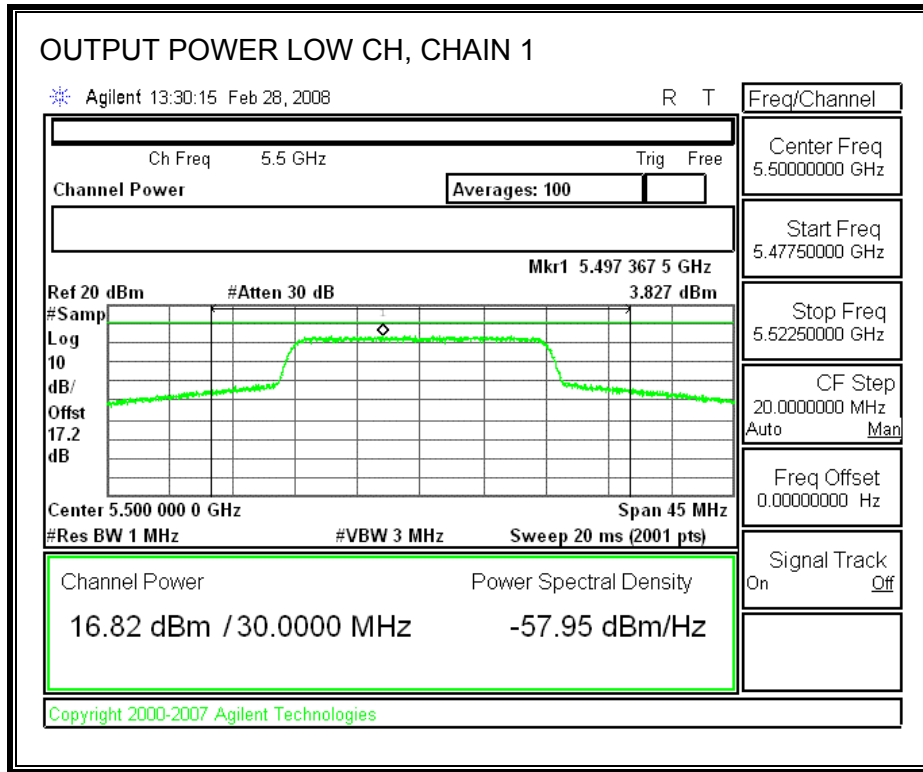
**CHAIN 0 OUTPUT POWER**



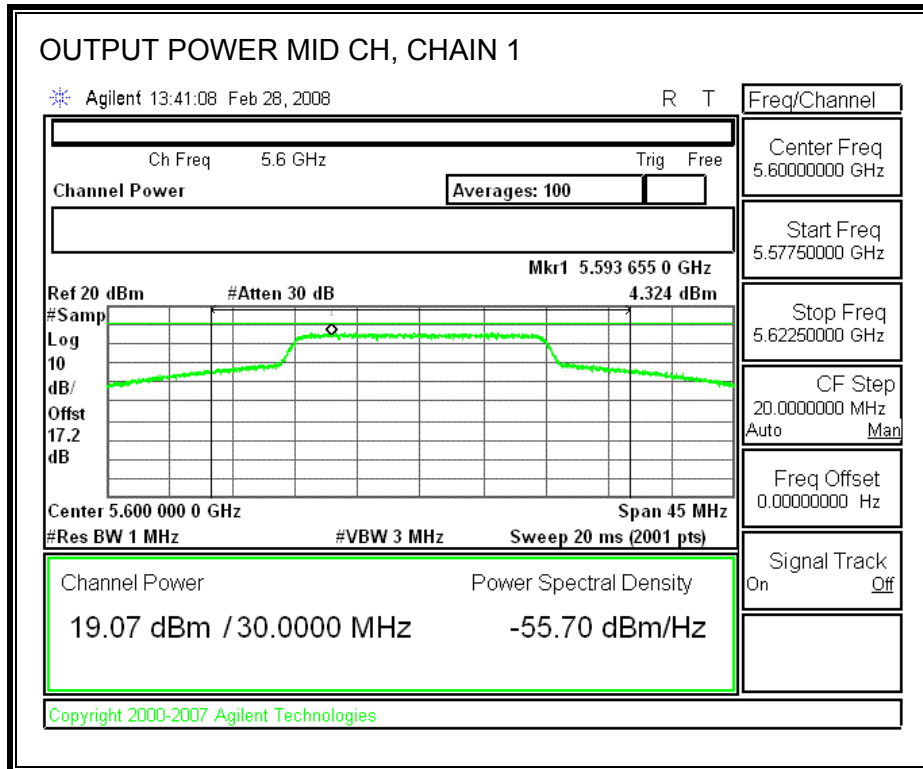


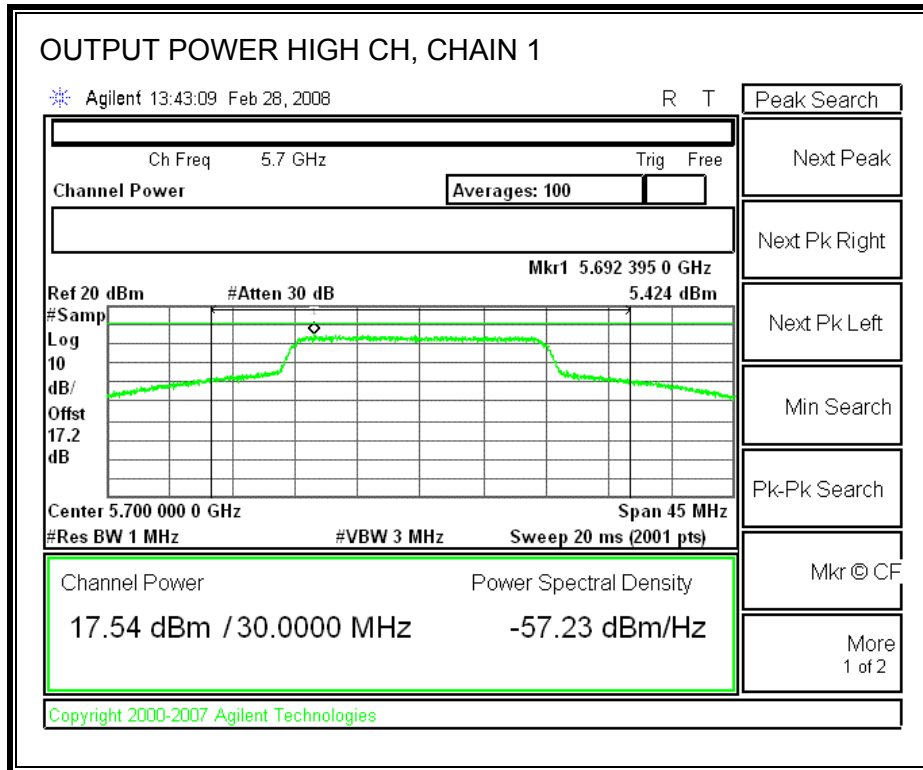


**CHAIN 1 OUTPUT POWER**









### 7.8.3. AVERAGE POWER

#### LIMITS

None; for reporting purposes only.

#### TEST PROCEDURE

The transmitter output is connected to a power meter.

#### RESULTS

The cable assembly insertion loss of 17.2 dB (including 16 dB pad and 1.2 dB cable) was entered as an offset in the power meter to allow for direct reading of power.

Channel	Frequency (MHz)	Chain 0 Power (dBm)	Chain 1 Power (dBm)	Total Power (dBm)
Low	5500	16.42	16.57	19.51
Middle	5600	19.14	19.05	22.11
High	5700	17.67	17.56	20.63

### 7.8.4. PEAK POWER SPECTRAL DENSITY

#### LIMITS

FCC §15.407 (a) (2)

IC RSS-210 A9.2 (2)

For the 5.47-5.725 GHz band, the peak 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 peak transmit 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.

The maximum antenna gain is less than or equal to 6 dBi, therefore the limit is 11 dBm.

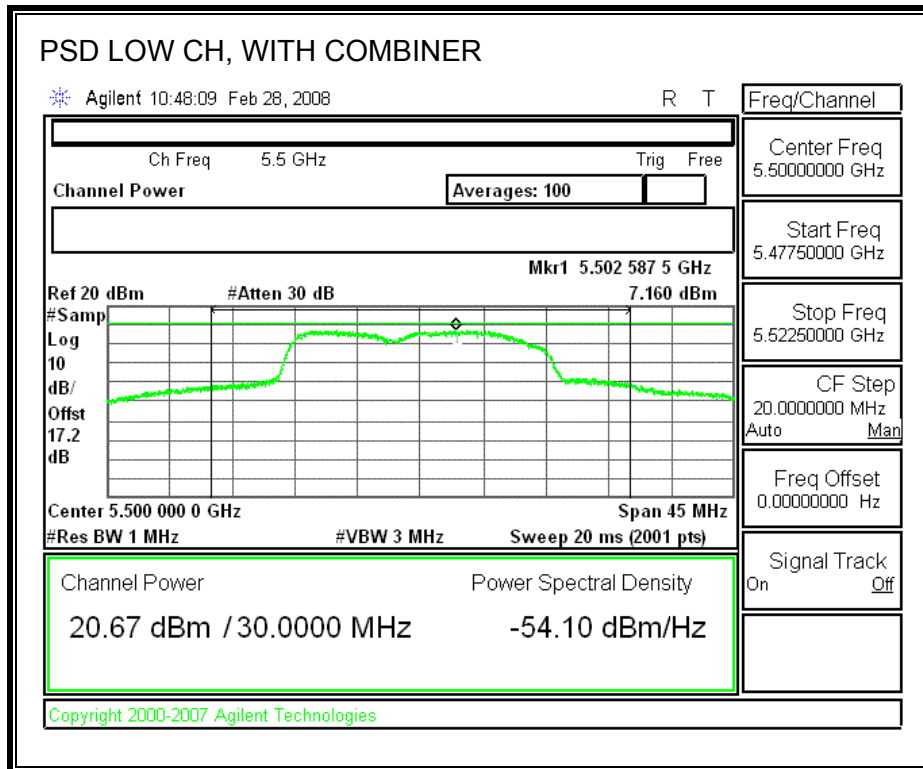
#### TEST PROCEDURE

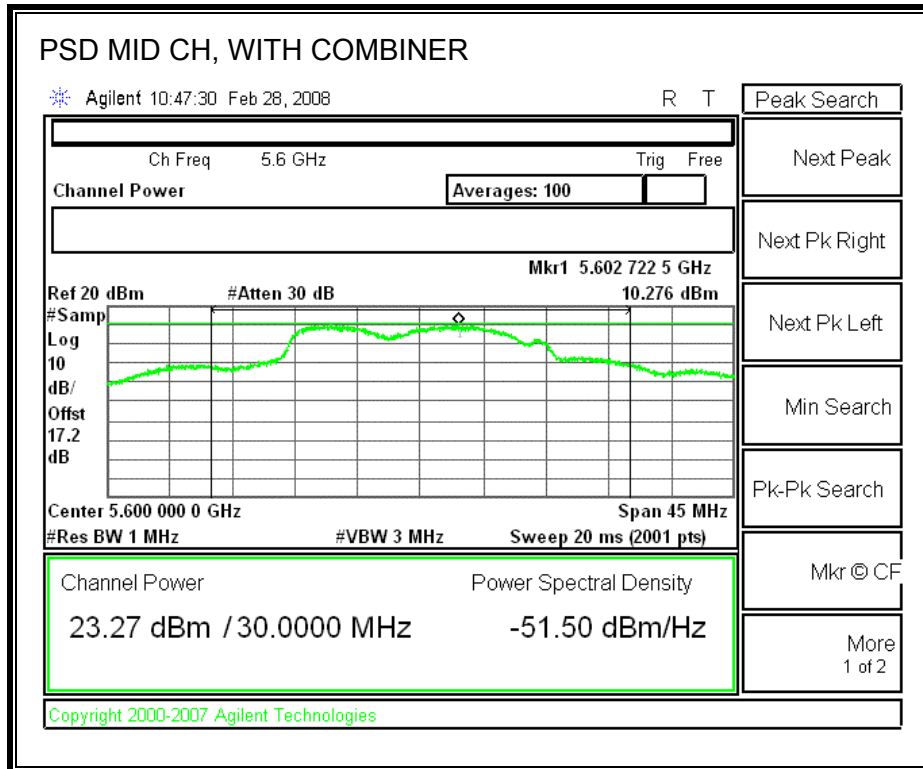
The test is performed in accordance with FCC Public Notice: APPENDIX A Guidelines for Assessing Unlicensed National Information Infrastructure (U-NII) Devices – Part 15, Subpart E, August 2002. PPSD method #2 was used.

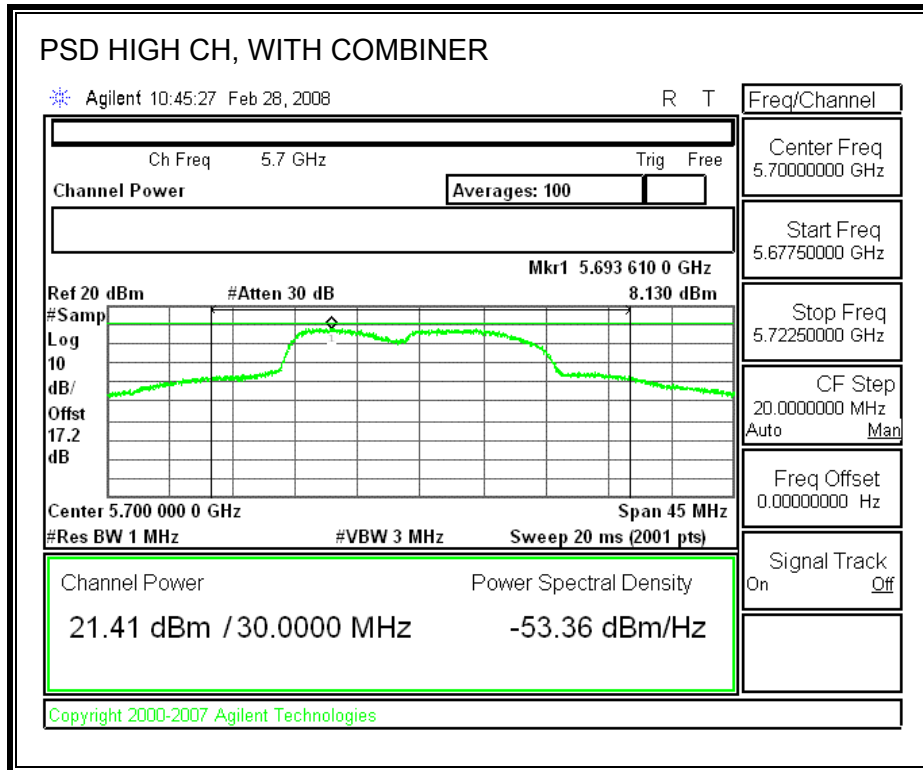
#### RESULTS

Channel	Frequency (MHz)	PPSD With Combiner (dBm)	Limit (dBm)	Margin (dB)
Low	5500	7.16	11	-3.84
Middle	5600	10.28	11	-0.72
High	5700	8.13	11	-2.87

POWER SPECTRAL DENSITY WITH COMBINER







### 7.8.5. PEAK EXCURSION

#### LIMITS

FCC §15.407 (a) (6)

The ratio of the peak excursion of the modulation envelope (measured using a peak hold function) to the peak transmit power (measured as specified above) shall not exceed 13 dB across any 1 MHz bandwidth or the emission bandwidth whichever is less.

#### TEST PROCEDURE

The transmitter outputs are connected to the spectrum analyzer via a combiner.

The test is performed in accordance with FCC Public Notice: APPENDIX A Guidelines for Assessing Unlicensed National Information Infrastructure (U-NII) Devices – Part 15, Subpart E, August 2002.

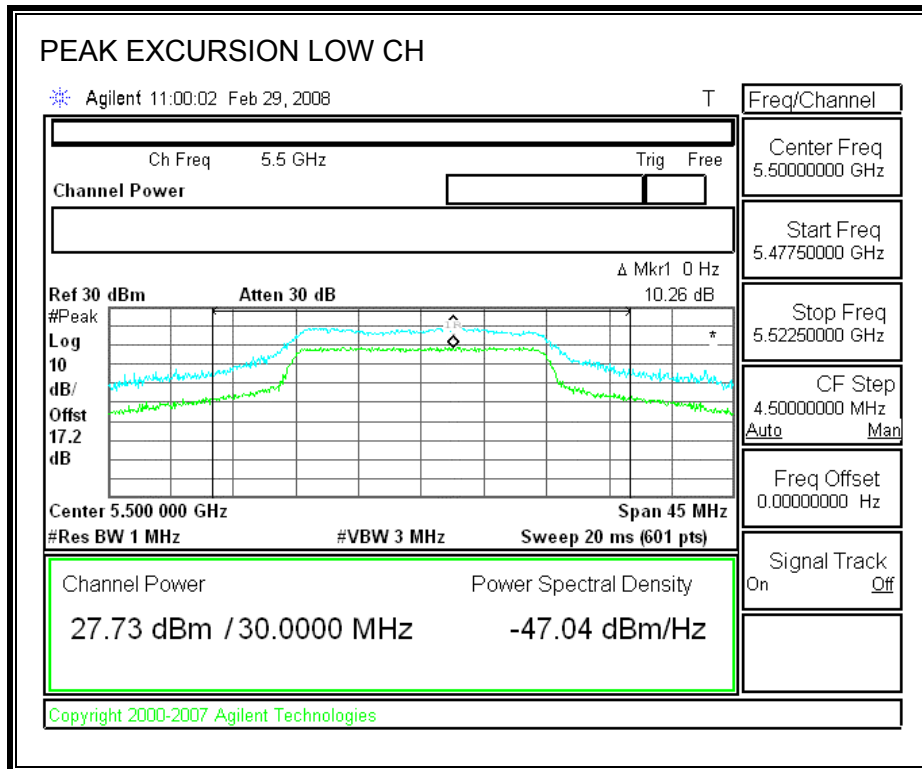
Since Method # 1 was used for peak power measurements, Method # 1 settings are used for the second PPSD trace.

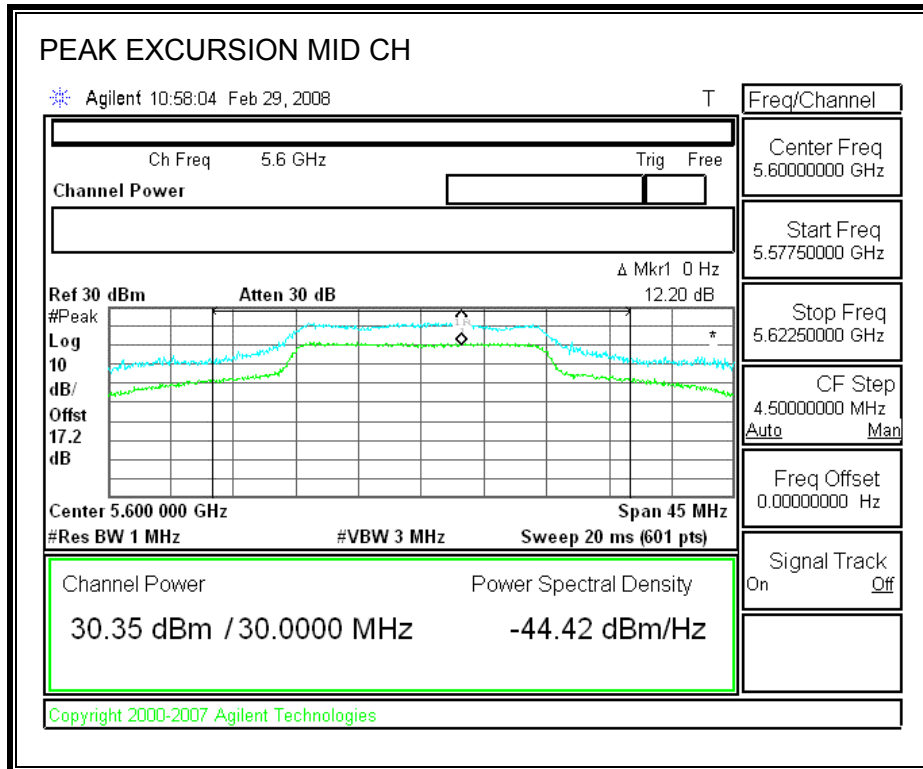
#### RESULTS

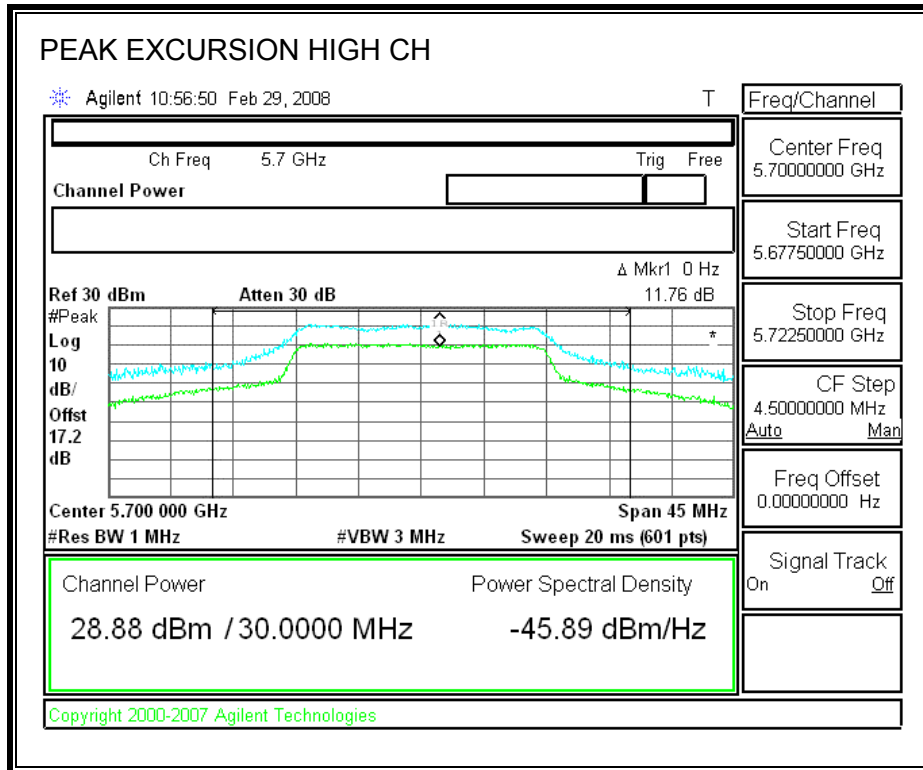
Channel	Frequency (MHz)	Peak Excursion (dB)	Limit (dB)	Margin (dB)
Low	5500	10.26	13	-2.74
Middle	5600	12.20	13	-0.80
High	5700	11.76	13	-1.24



PEAK EXCURSION







## **7.8.6. CONDUCTED SPURIOUS EMISSIONS**

### **LIMITS**

FCC §15.407 (b) (3)

IC RSS-210 A9.3 (3)

For transmitters operating in the 5.47-5.725 GHz band: all emissions outside of the 5.47-5.725 GHz band shall not exceed an EIRP of -27 dBm / MHz.

### **TEST PROCEDURE**

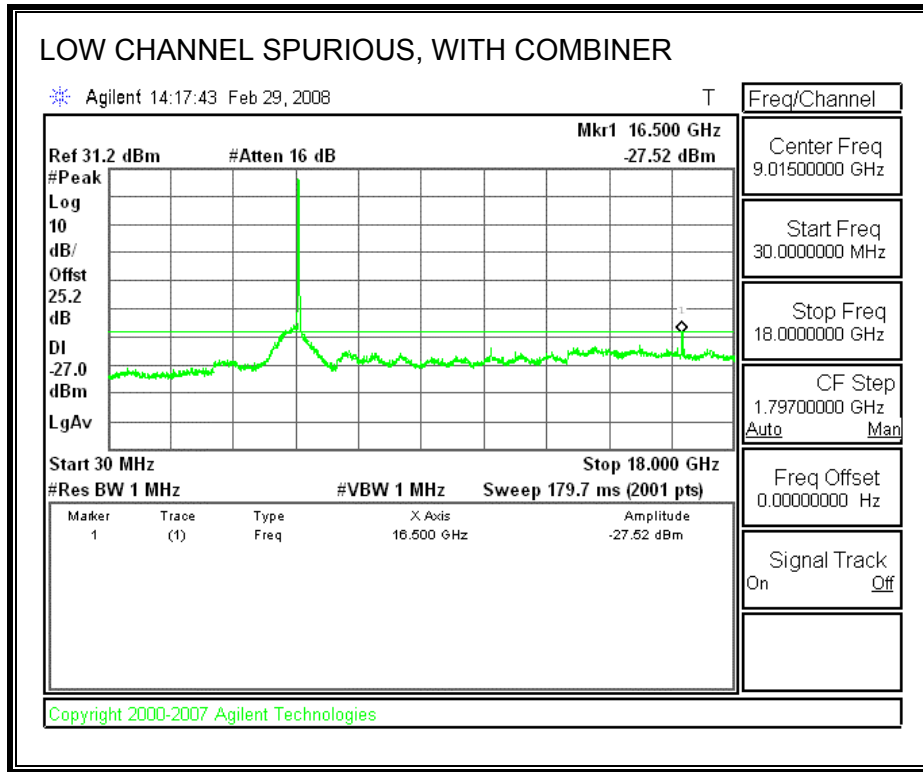
Conducted RF measurements of the transmitter output are made to confirm that the EUT antenna port conducted emissions meet the specified limit and to identify any spurious signals that require further investigation or measurements on the radiated emissions site.

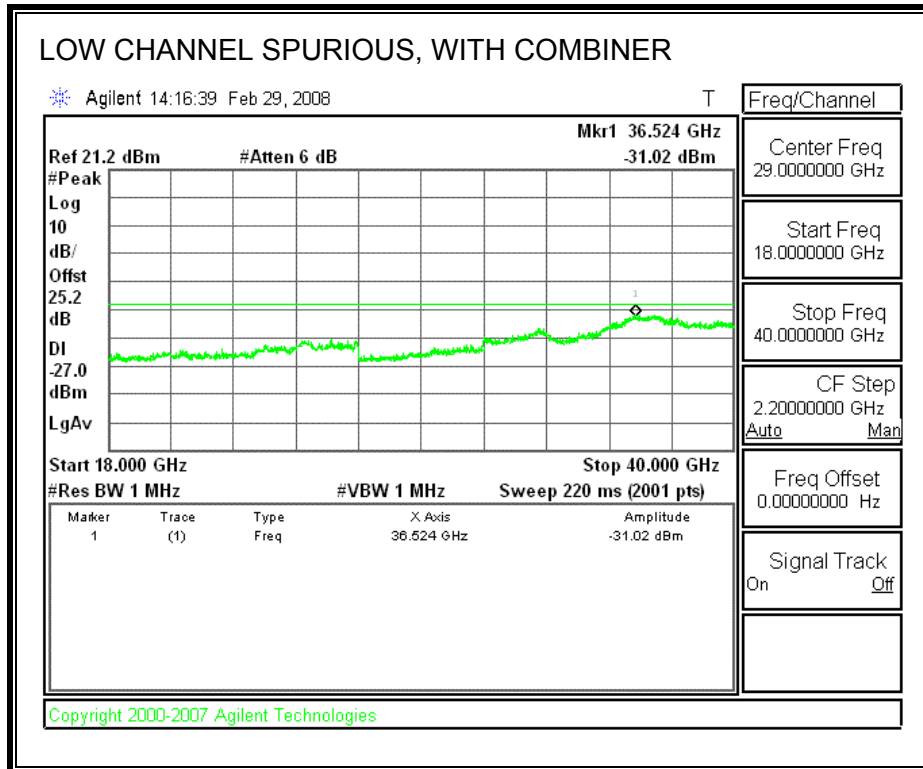
The transmitter output is connected to the spectrum analyzer. The resolution bandwidth is set to 1 MHz. The video bandwidth is set to 1 MHz. Peak detection measurements are compared to the average EIRP limit, adjusted for the maximum antenna gain. If necessary, additional average detection measurements are made.

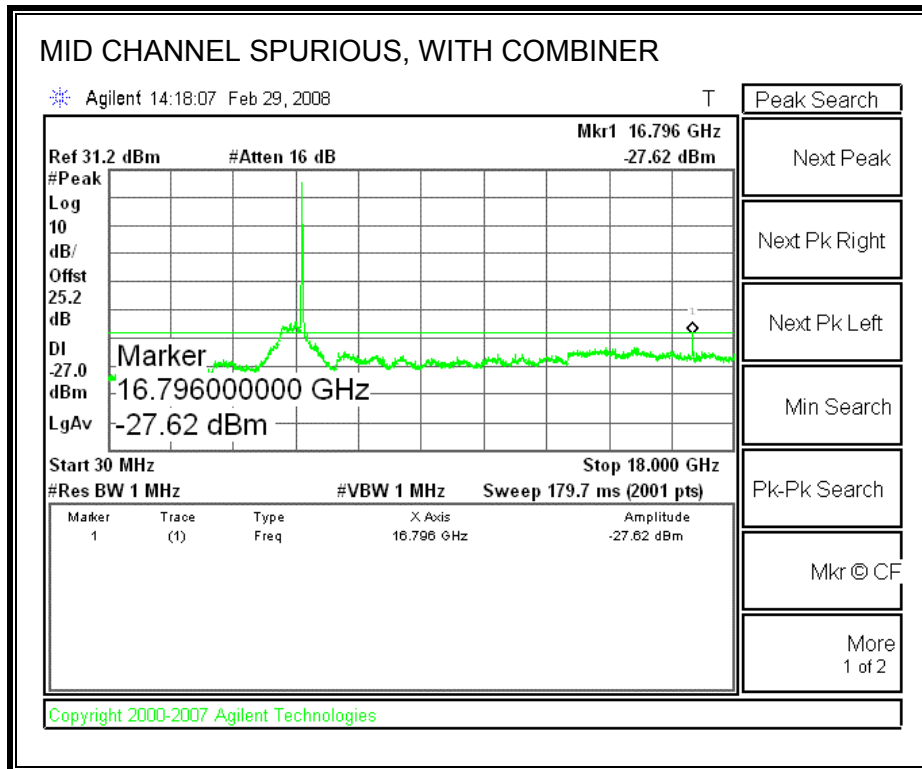
Measurements are made over the 30 MHz to 40 GHz range with the transmitter set to the lowest, middle, and highest channels.

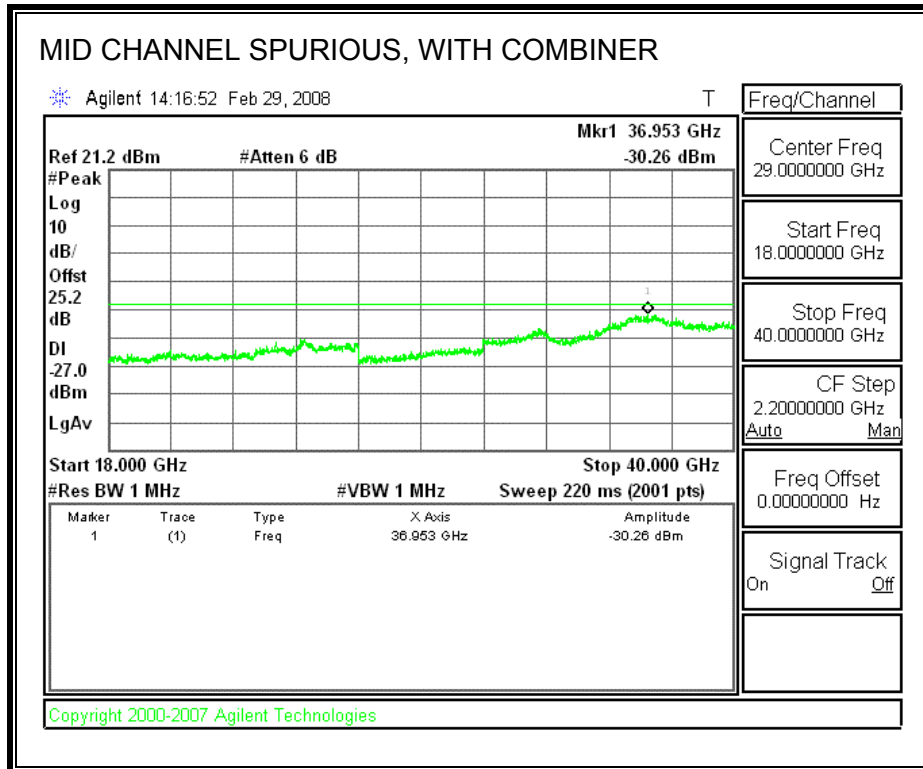
### **RESULTS**

**SPURIOUS EMISSIONS WITH COMBINER**

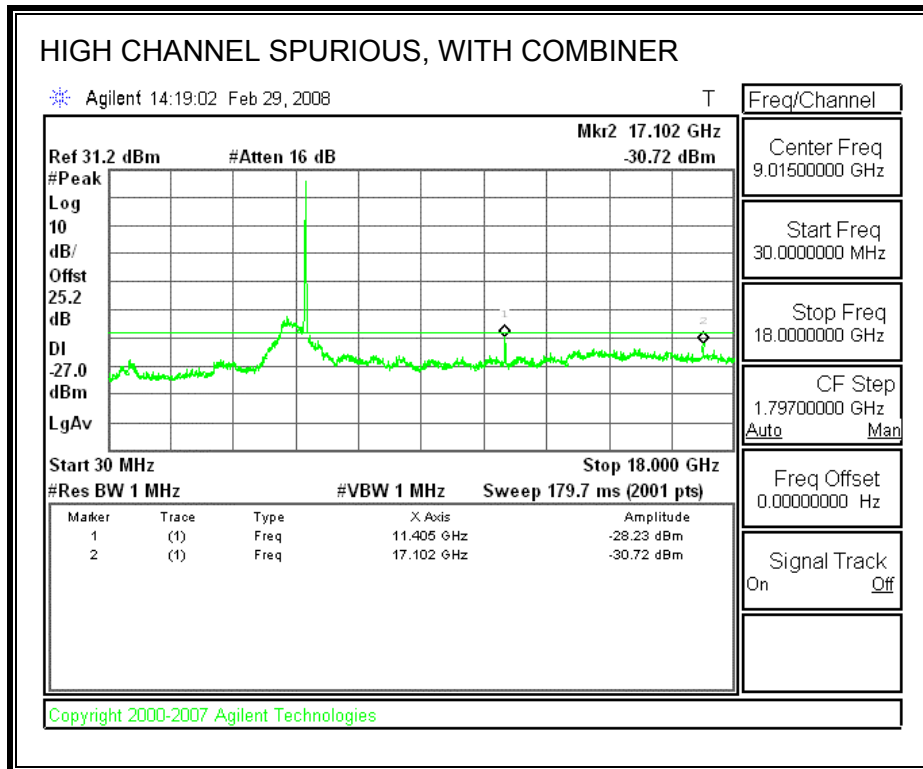


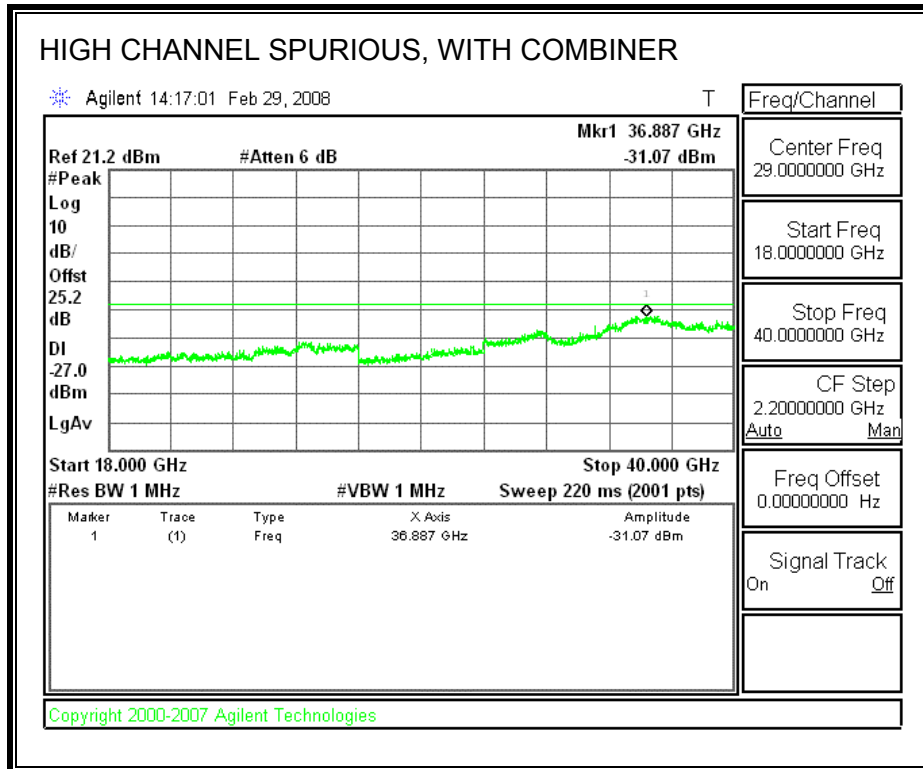












## 7.9. 802.11n HT40 MODE IN THE 5.6 GHz BAND

### 7.9.1. 26 dB and 99% BANDWIDTH

#### LIMITS

None; for reporting purposes only.

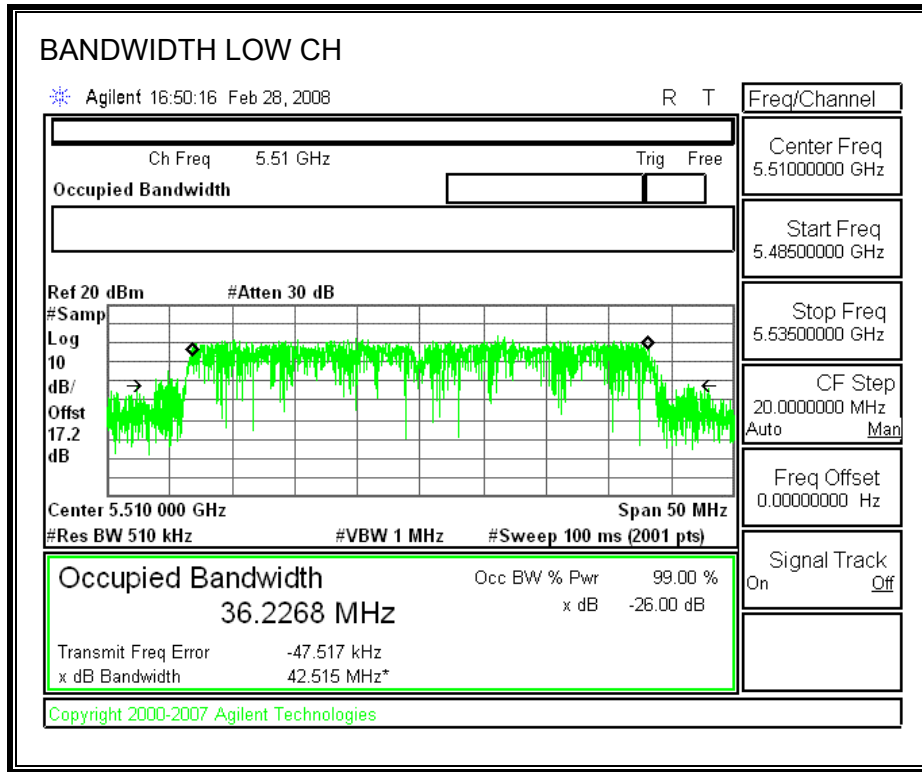
#### TEST PROCEDURE

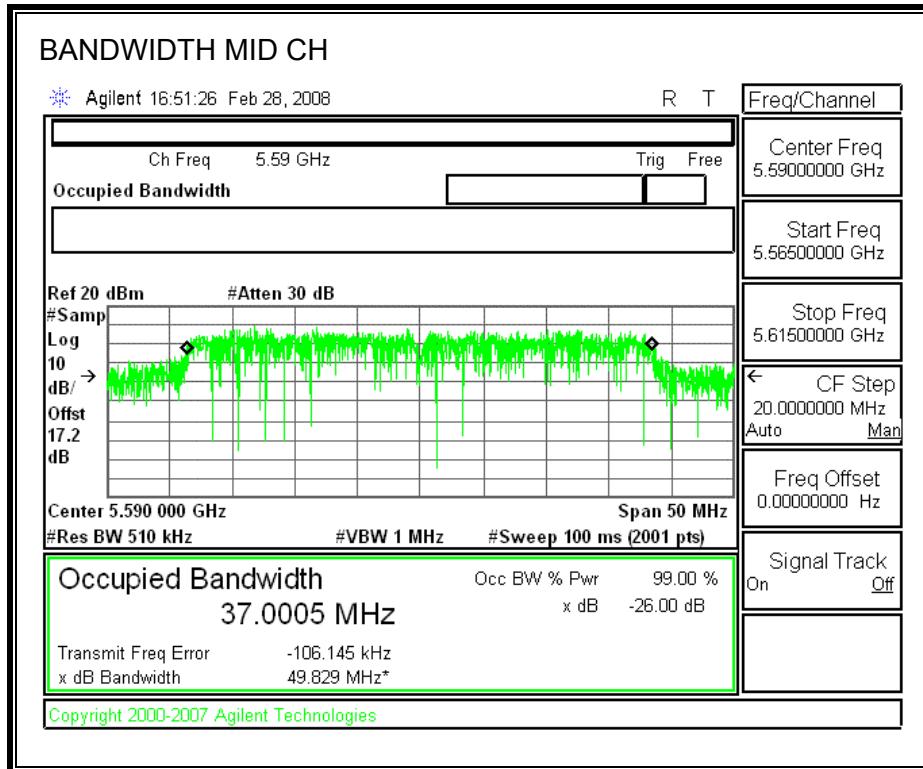
The transmitter outputs are connected to the spectrum analyzer via a combiner. The RBW is set to 1% to 3% of the measured bandwidth. The VBW is set to 3 times the RBW. The sweep time is coupled. The spectrum analyzer internal bandwidth function is utilized.

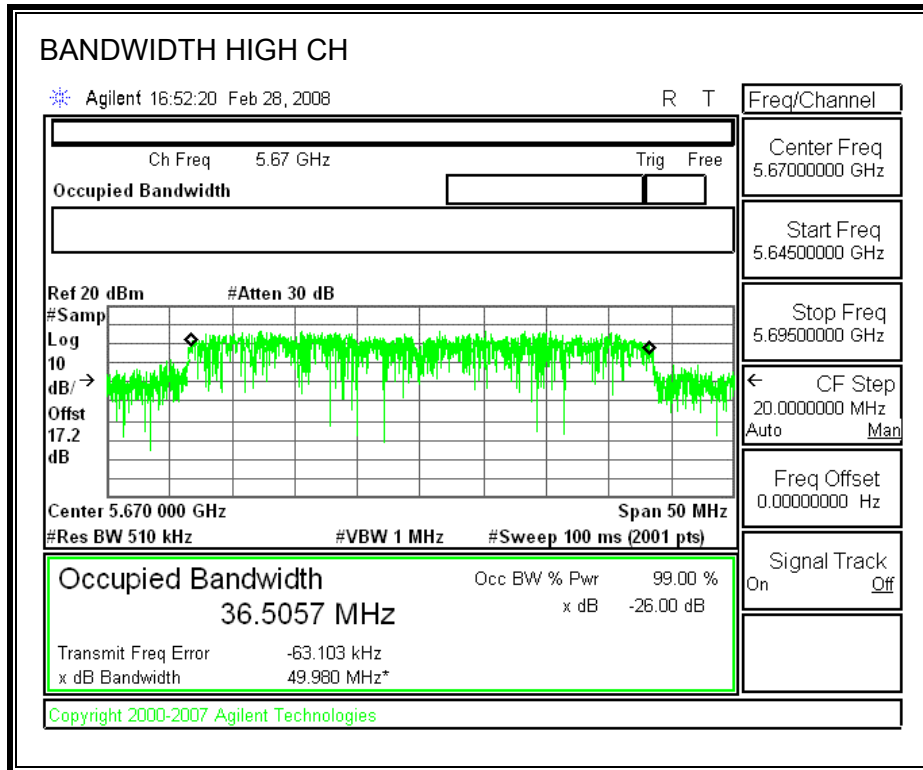
#### RESULTS

Channel	Frequency (MHz)	26 dB Bandwidth (MHz)	99% Bandwidth (MHz)
Low	5510	42.515	36.2268
Middle	5590	49.829	37.0005
High	5670	49.980	36.5057

**26 dB and 99% BANDWIDTH**







## 7.9.2. OUTPUT POWER

### LIMITS

FCC §15.407 (a) (2)

IC RSS-210 A9.2 (2)

For the 5.47-5.725 GHz band, 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. If transmitting antennas of directional gain greater than 6 dBi are used, both the peak transmit power and the peak power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

### TEST PROCEDURE

The test is performed in accordance with FCC Public Notice: APPENDIX A Guidelines for Assessing Unlicensed National Information Infrastructure (U-NII) Devices – Part 15, Subpart E, August 2002.

The transmitter output operates continuously therefore Method # 1 is used.

### RESULTS

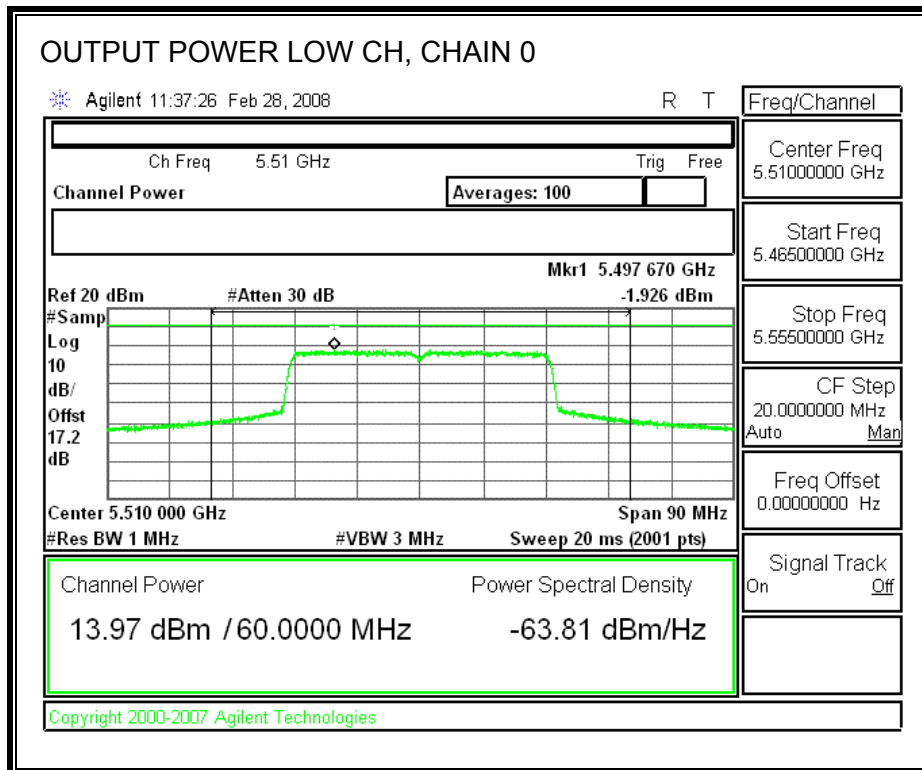
#### Limit

Channel	Frequency (MHz)	Fixed Limit (dBm)	B (MHz)	11 + 10 Log B Limit (dBm)	Antenna Gain (dBi)	Limit (dBm)
Low	5510	24.00	42.515	27.29	5.34	24.00
Mid	5590	24.00	49.829	27.97	5.34	24.00
High	5670	24.00	49.960	27.99	5.34	24.00

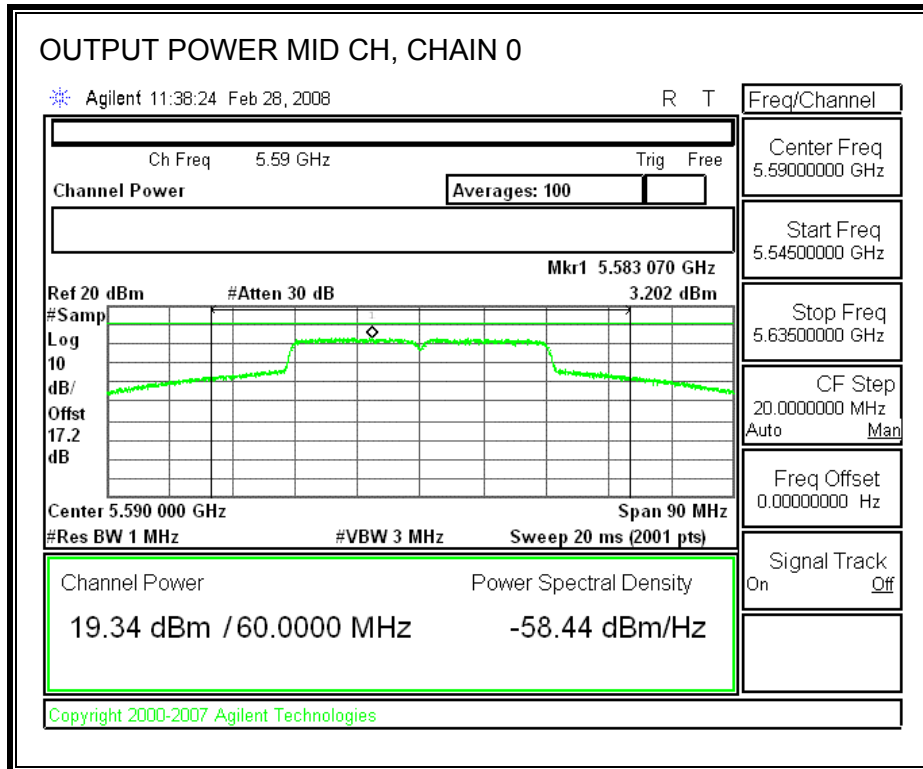
#### Individual Chain Results

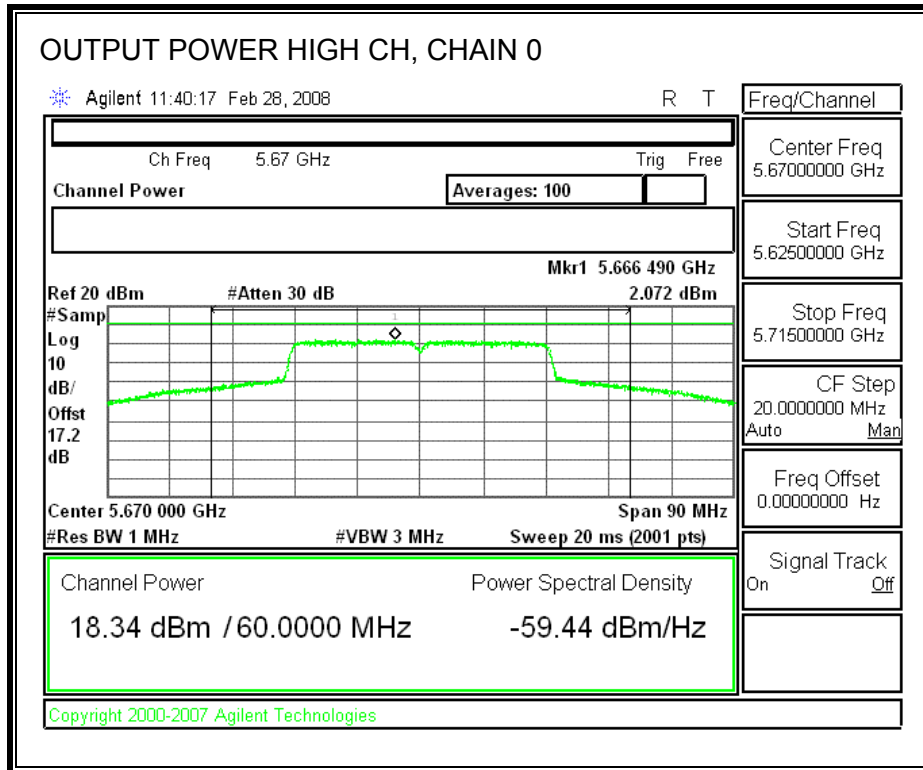
Channel	Frequency (MHz)	Chain 0 Power (dBm)	Chain 1 Power (dBm)	Total Power (dBm)	Limit (dBm)	Margin (dB)
Low	5510	13.97	14.42	17.21	24.00	-6.79
Mid	5590	19.34	19.50	22.43	24.00	-1.57
High	5670	18.34	18.46	21.41	24.00	-2.59

**CHAIN 0 OUTPUT POWER**

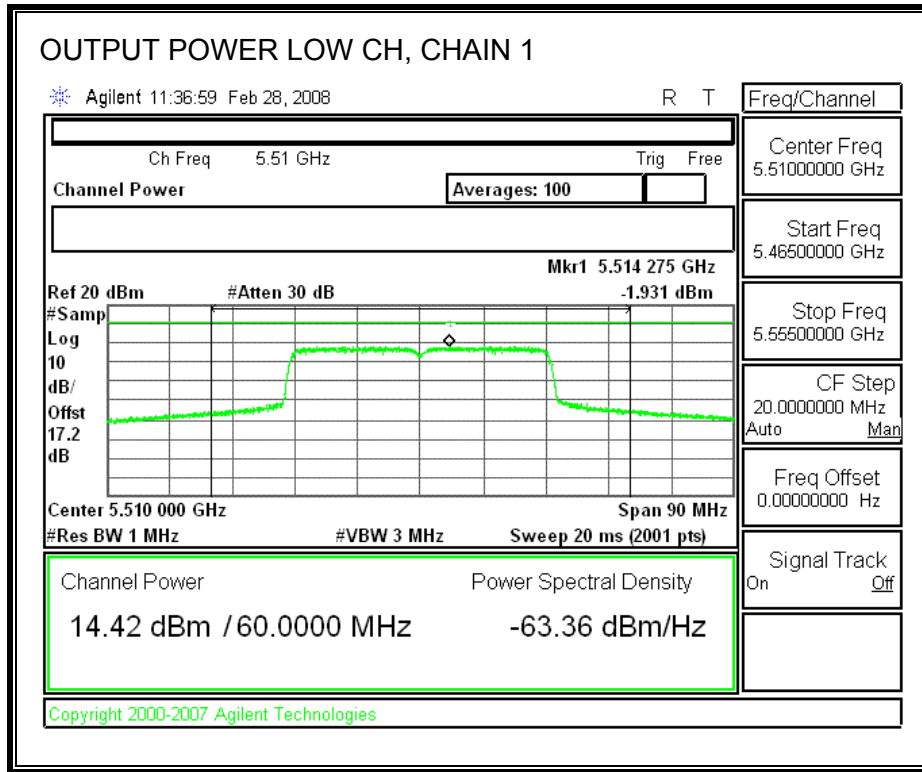


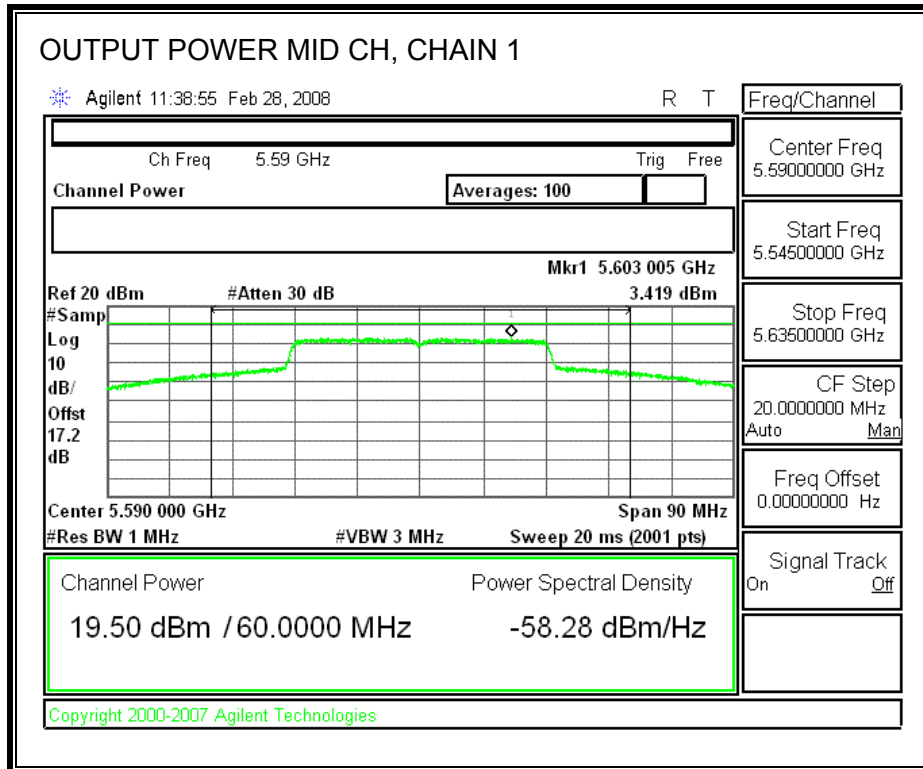


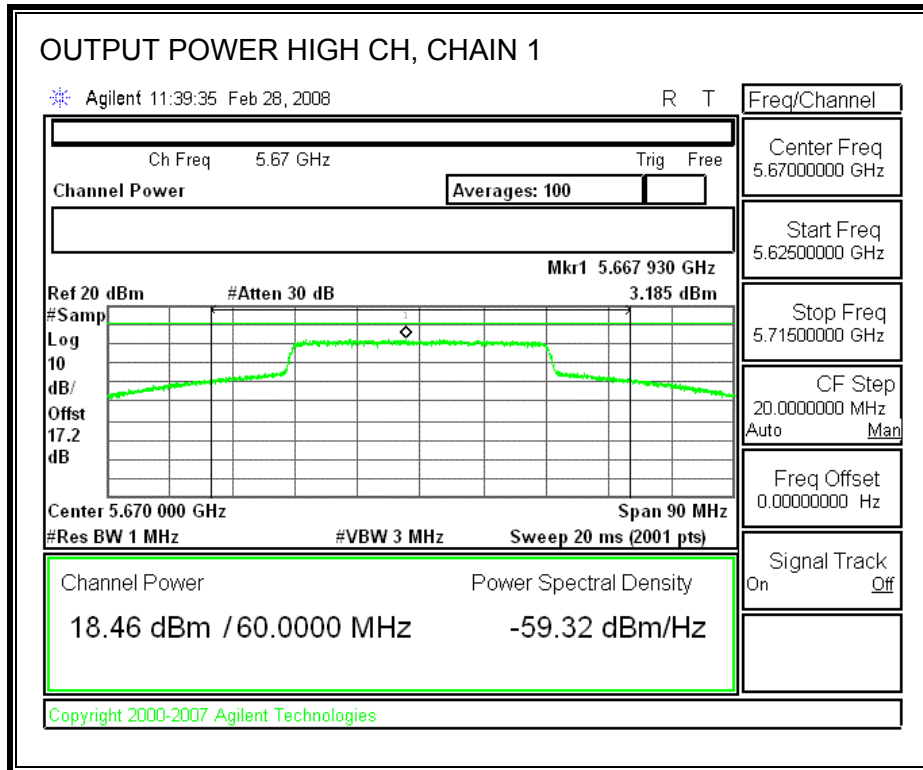




**CHAIN 1 OUTPUT POWER**







### 7.9.3. AVERAGE POWER

#### LIMITS

None; for reporting purposes only.

#### TEST PROCEDURE

The transmitter output is connected to a power meter.

#### RESULTS

The cable assembly insertion loss of 172 dB (including 16 dB pad and 1.2 dB cable) was entered as an offset in the power meter to allow for direct reading of power.

Channel	Frequency (MHz)	Chain 0 Power (dBm)	Chain 1 Power (dBm)	Total Power (dBm)
Low	5510	13.73	14.01	16.88
Middle	5590	19.27	19.38	22.34
High	5670	18.25	18.35	21.31

### 7.9.4. PEAK POWER SPECTRAL DENSITY

#### LIMITS

FCC §15.407 (a) (2)

IC RSS-210 A9.2 (2)

For the 5.47-5.725 GHz band, the peak 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 peak transmit 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.

The maximum antenna gain is less than or equal to 6 dBi, therefore the limit is 11 dBm.

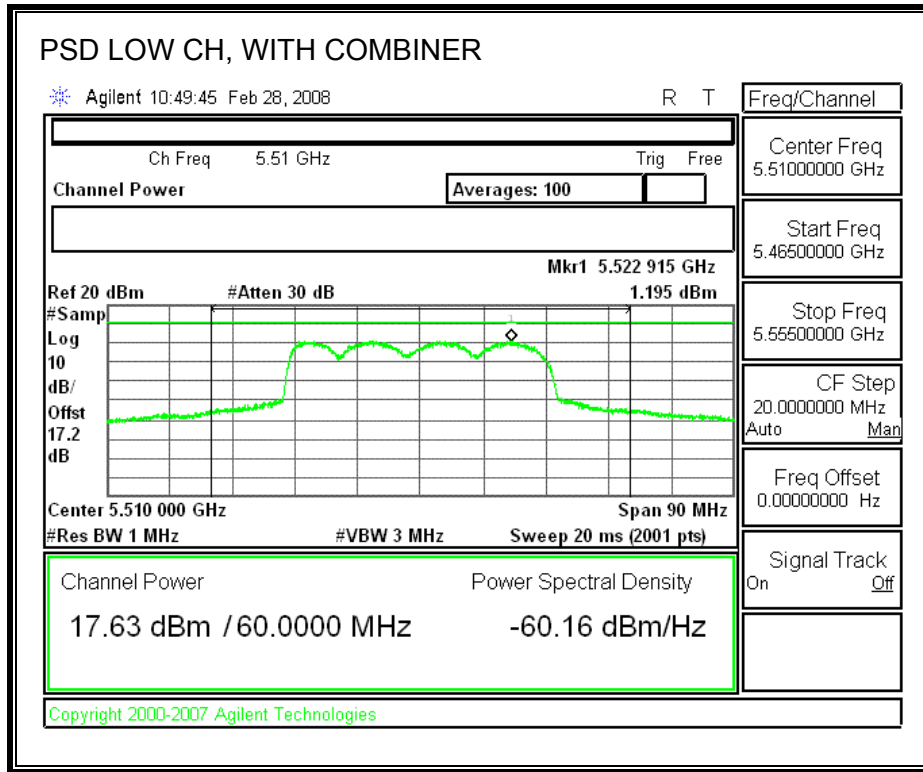
#### TEST PROCEDURE

The test is performed in accordance with FCC Public Notice: APPENDIX A Guidelines for Assessing Unlicensed National Information Infrastructure (U-NII) Devices – Part 15, Subpart E, August 2002. PPSD method #2 was used.

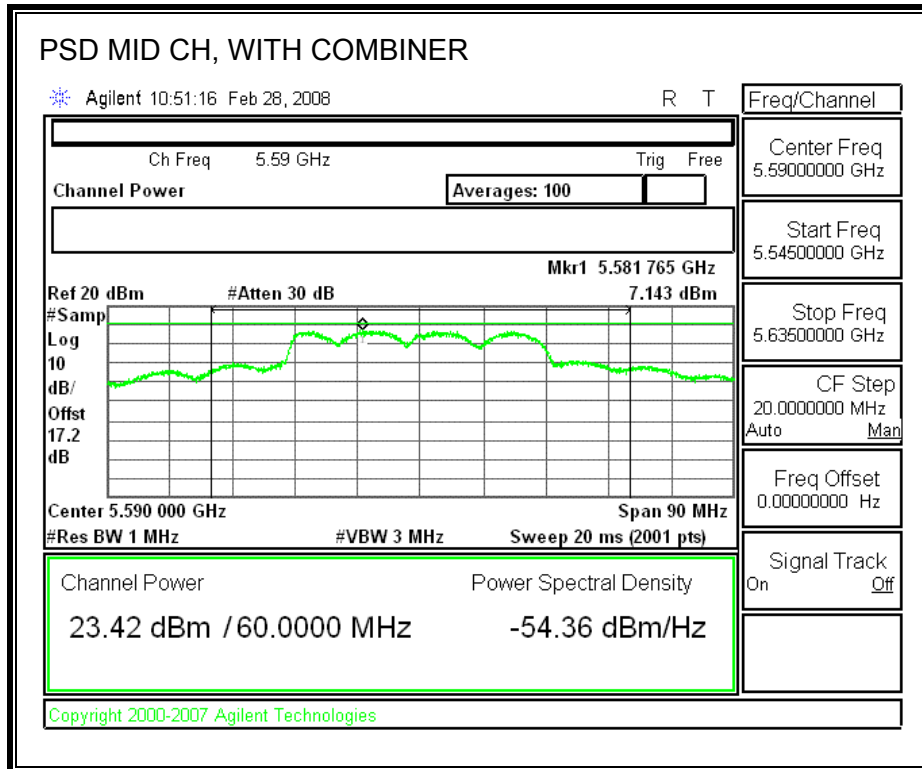
#### RESULTS

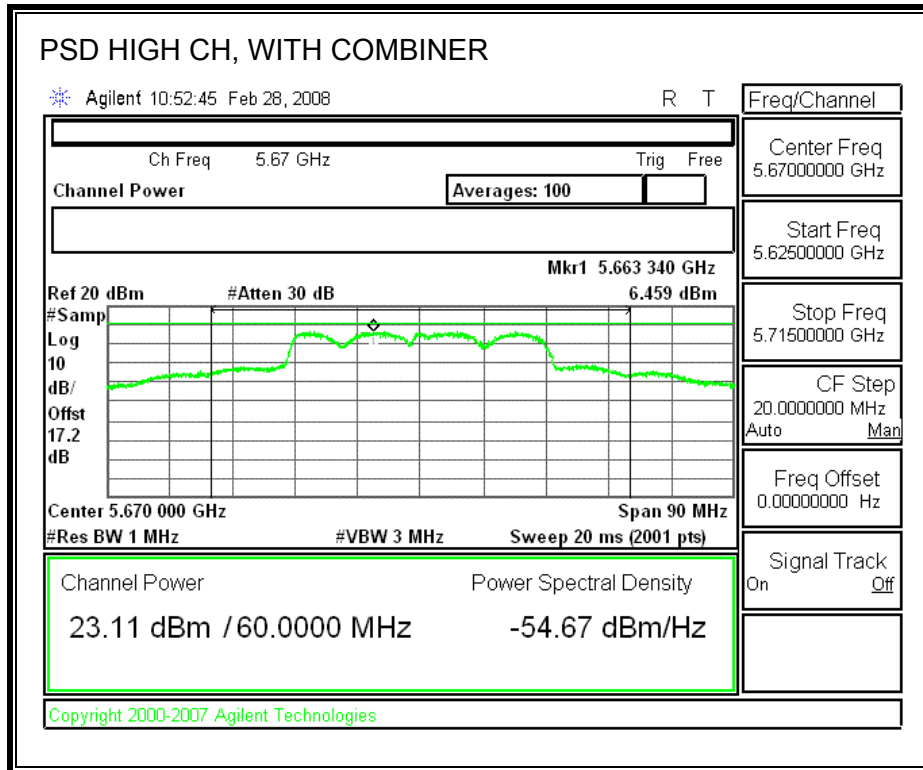
Channel	Frequency (MHz)	PPSD With Combiner (dBm)	Limit (dBm)	Margin (dB)
Low	5510	1.20	11	-9.81
Middle	5590	7.14	11	-3.86
High	5670	6.46	11	-4.54

**POWER SPECTRAL DENSITY WITH COMBINER**









### 7.9.5. PEAK EXCURSION

#### LIMITS

FCC §15.407 (a) (6)

The ratio of the peak excursion of the modulation envelope (measured using a peak hold function) to the peak transmit power (measured as specified above) shall not exceed 13 dB across any 1 MHz bandwidth or the emission bandwidth whichever is less.

#### TEST PROCEDURE

The transmitter outputs are connected to the spectrum analyzer via a combiner.

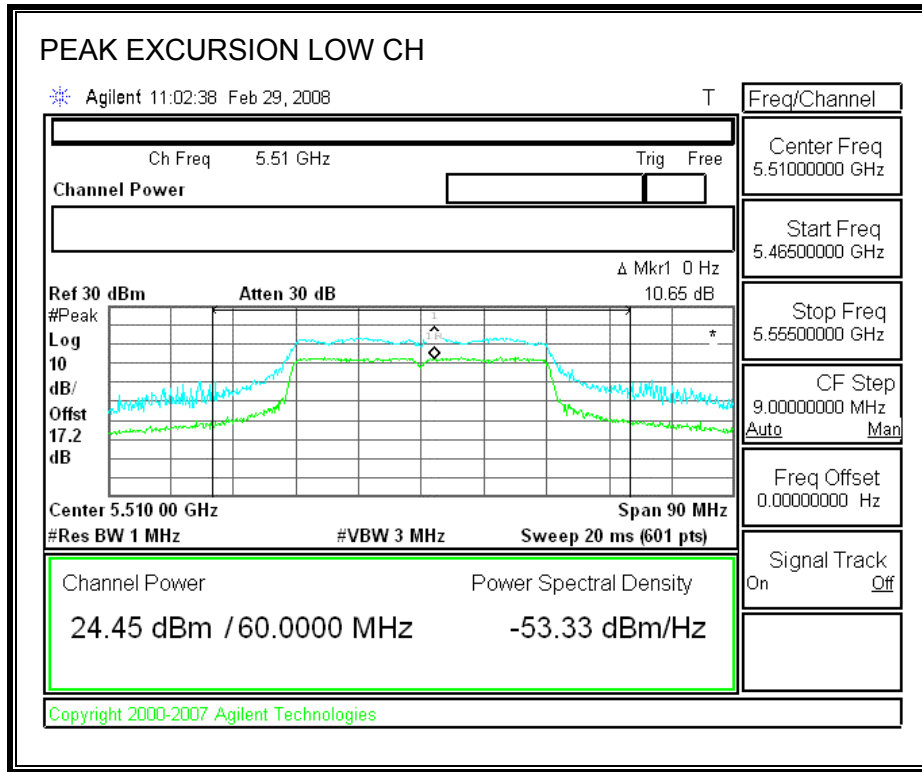
The test is performed in accordance with FCC Public Notice: APPENDIX A Guidelines for Assessing Unlicensed National Information Infrastructure (U-NII) Devices – Part 15, Subpart E, August 2002.

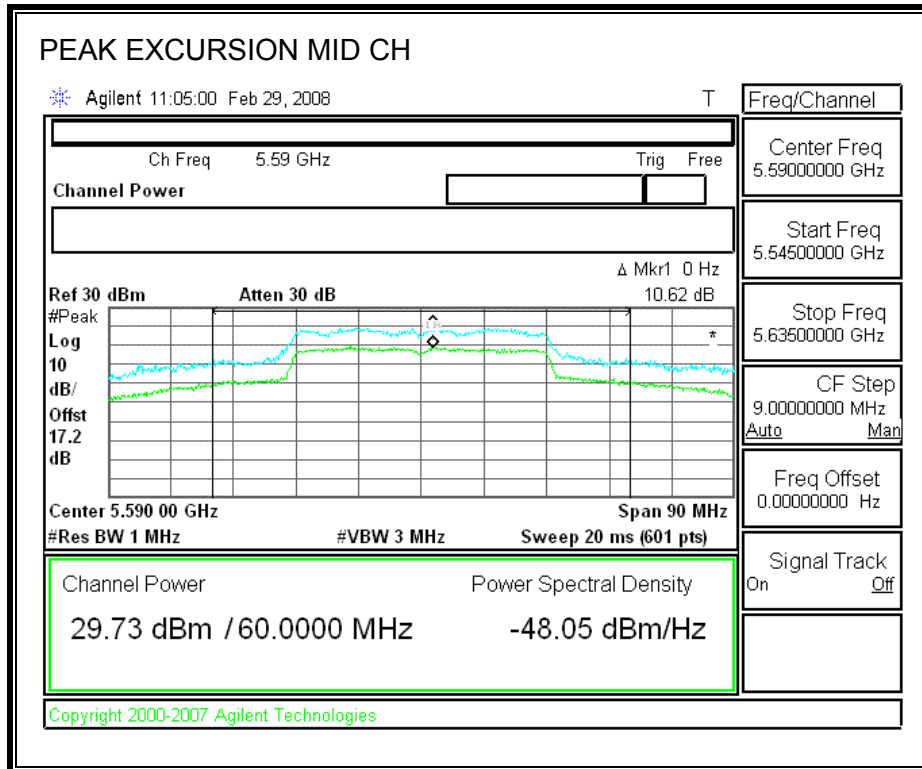
Since Method # 1 was used for peak power measurements, Method # 1 settings are used for the second PPSD trace.

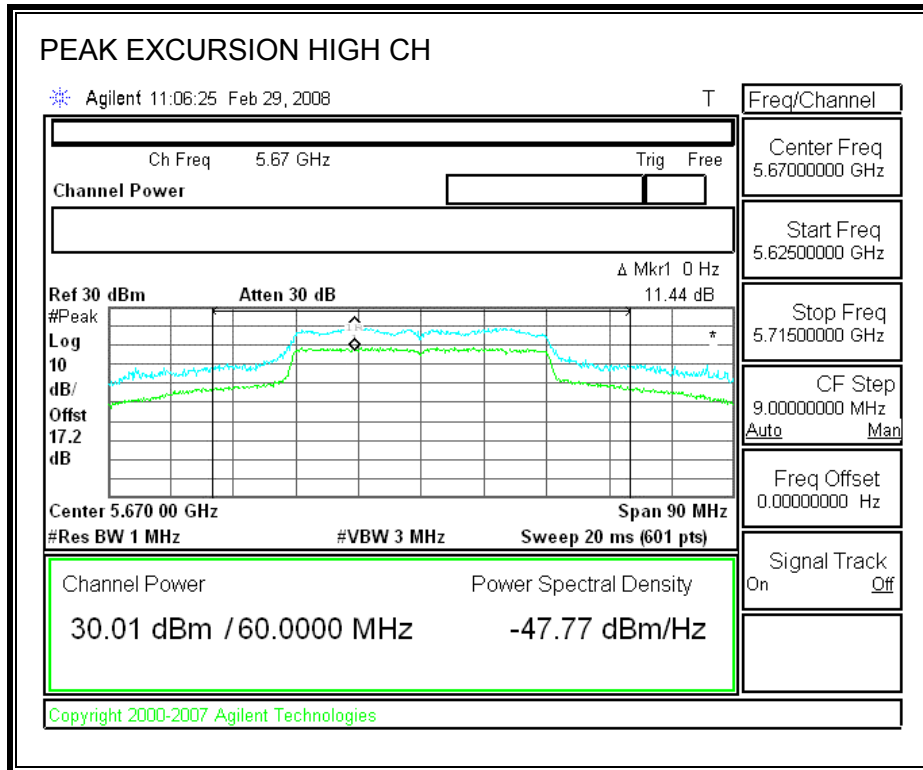
#### RESULTS

Channel	Frequency (MHz)	Peak Excursion (dB)	Limit (dB)	Margin (dB)
Low	5510	10.65	13	-2.35
Middle	5590	10.62	13	-2.38
High	5670	11.44	13	-1.56

**PEAK EXCURSION**







## **7.9.6. CONDUCTED SPURIOUS EMISSIONS**

### **LIMITS**

FCC §15.407 (b) (3)

IC RSS-210 A9.3 (3)

For transmitters operating in the 5.47-5.725 GHz band: all emissions outside of the 5.47-5.725 GHz band shall not exceed an EIRP of -27 dBm / MHz.

### **TEST PROCEDURE**

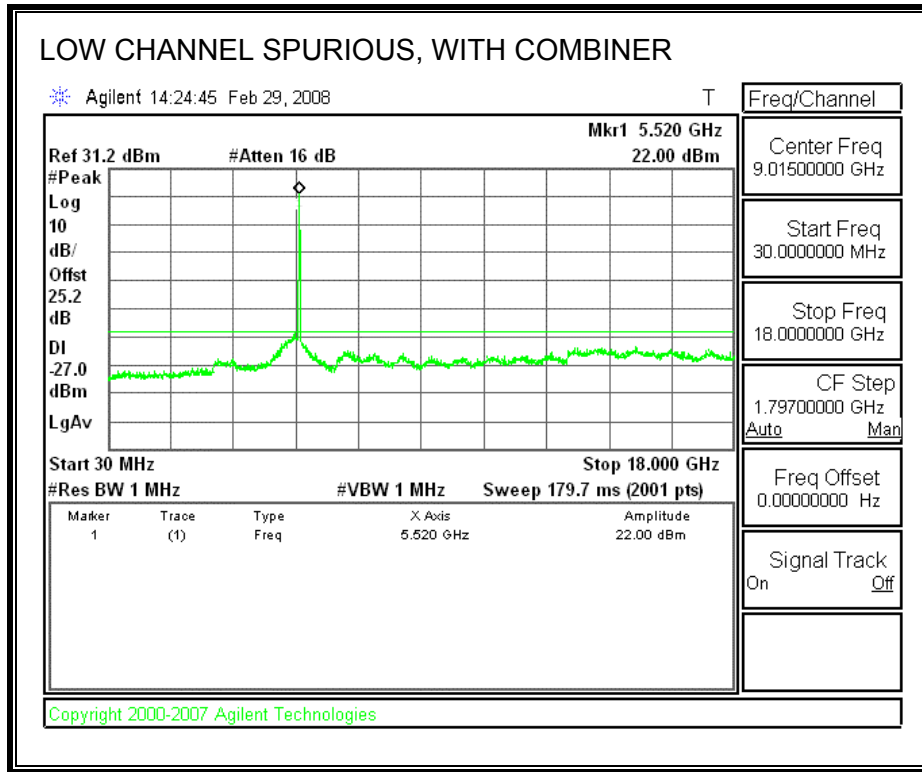
Conducted RF measurements of the transmitter output are made to confirm that the EUT antenna port conducted emissions meet the specified limit and to identify any spurious signals that require further investigation or measurements on the radiated emissions site.

The transmitter output is connected to the spectrum analyzer. The resolution bandwidth is set to 1 MHz. The video bandwidth is set to 1 MHz. Peak detection measurements are compared to the average EIRP limit, adjusted for the maximum antenna gain. If necessary, additional average detection measurements are made.

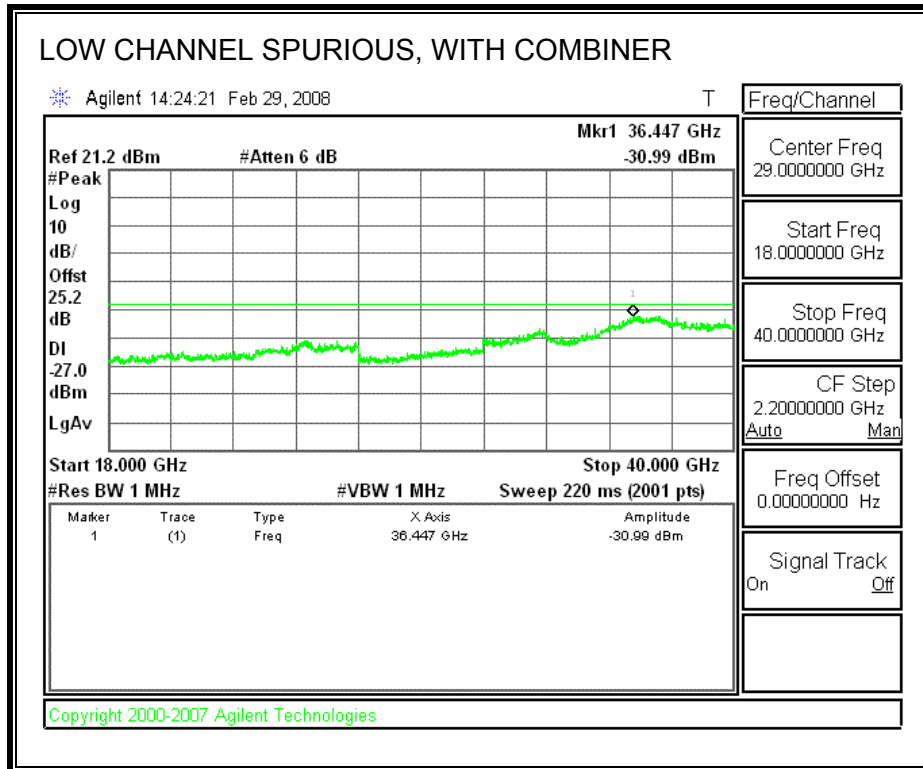
Measurements are made over the 30 MHz to 40 GHz range with the transmitter set to the lowest, middle, and highest channels.

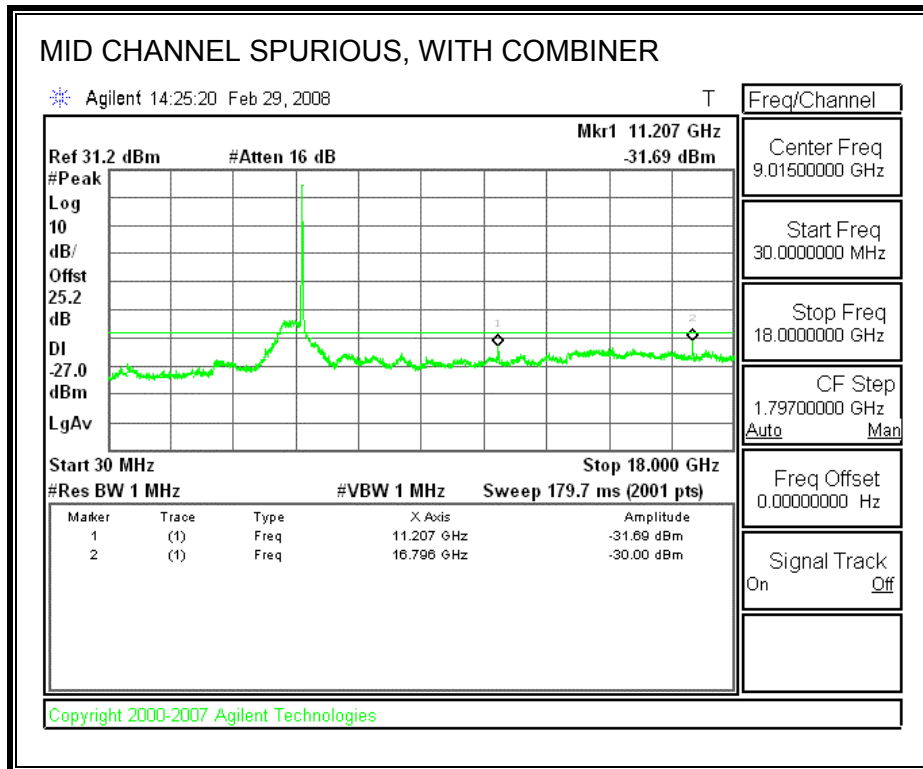
### **RESULTS**

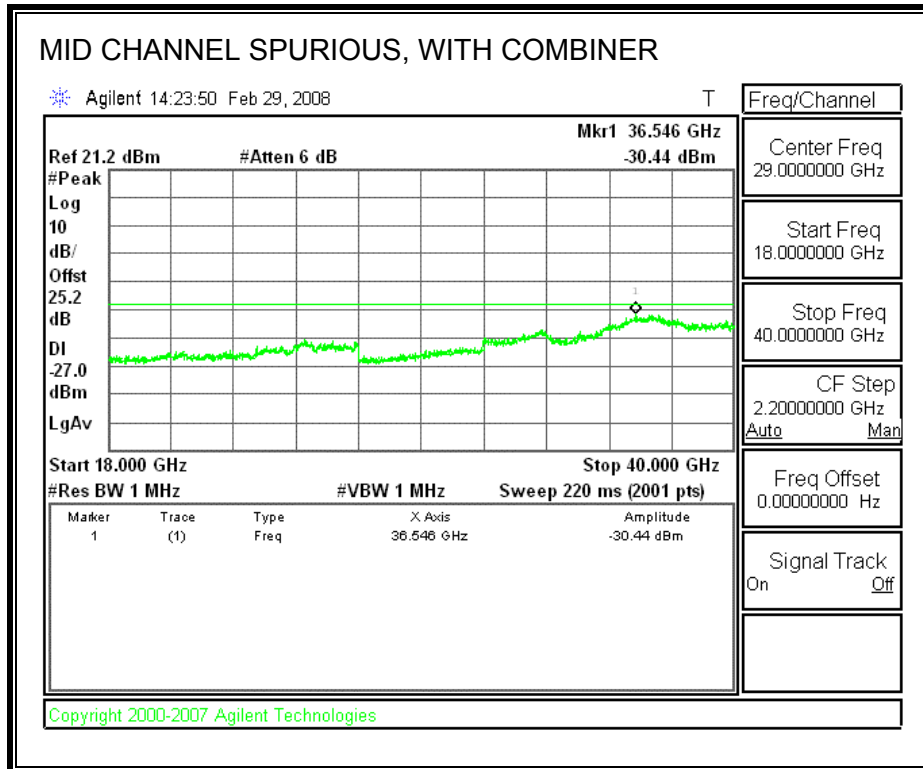
**SPURIOUS EMISSIONS WITH COMBINER**

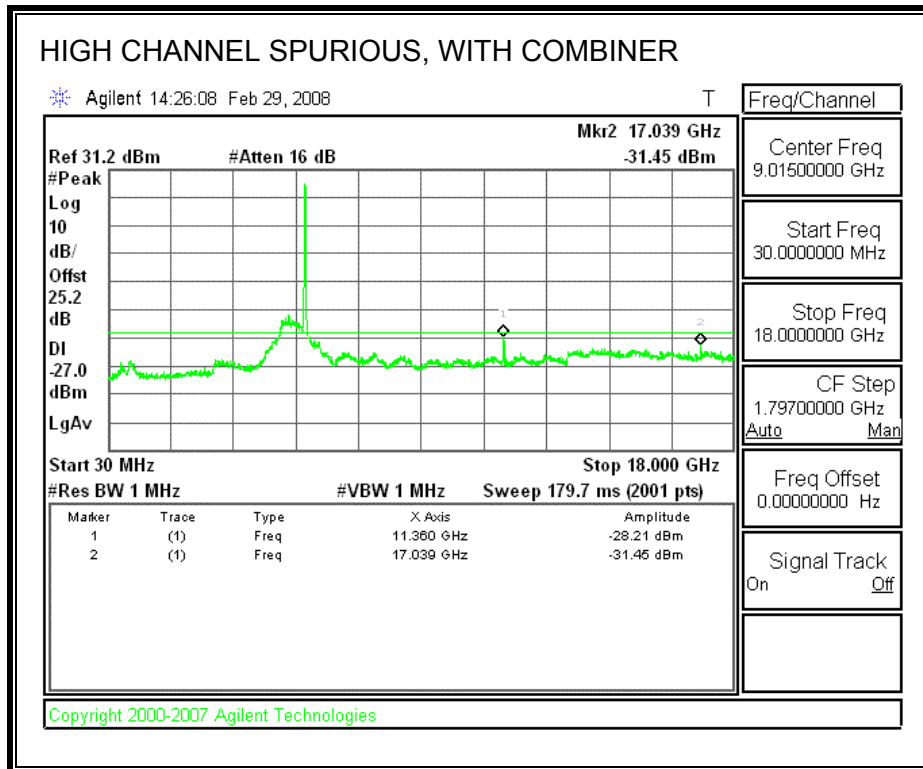


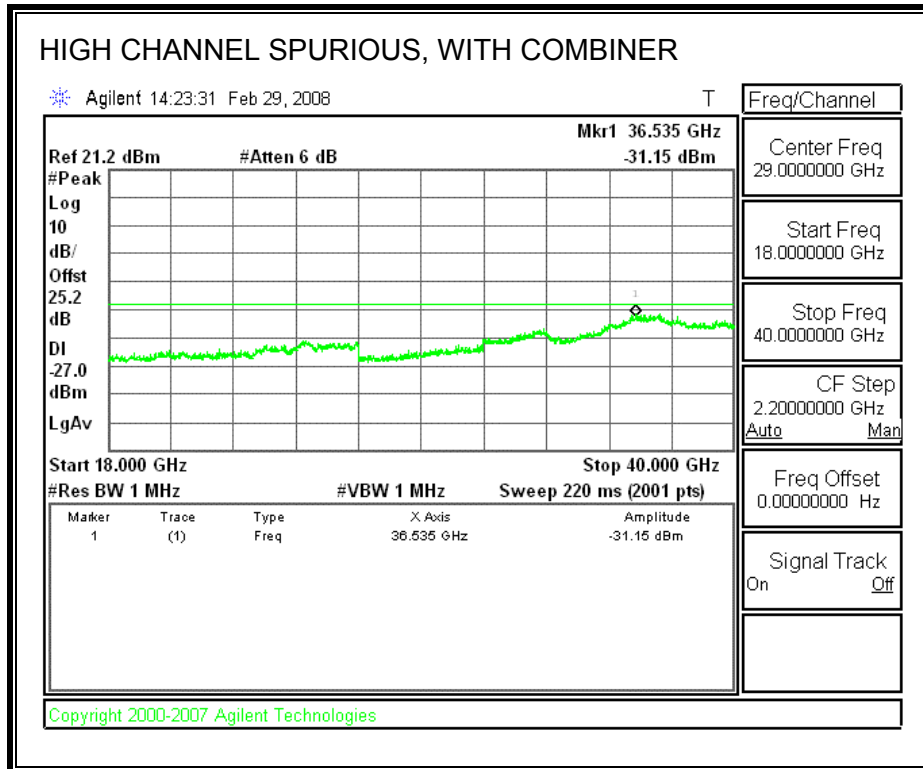












## 8. RADIATED TEST RESULTS

### 8.1. LIMITS AND PROCEDURE

#### LIMITS

FCC §15.205 and §15.209

IC RSS-210 Clause 2.6 (Transmitter)

IC RSS-GEN Clause 6 (Receiver)

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. The EUT is configured in accordance with ANSI C63.4. The EUT is set to transmit in a continuous mode.

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

For measurements above 1 GHz the resolution bandwidth is set to 1 MHz, then the video bandwidth is set to 1 MHz for peak measurements and 10 Hz for average measurements.

The spectrum from 30 MHz to 26 GHz is investigated with the transmitter set to the lowest, middle, and highest channels in the 2.4 GHz band.

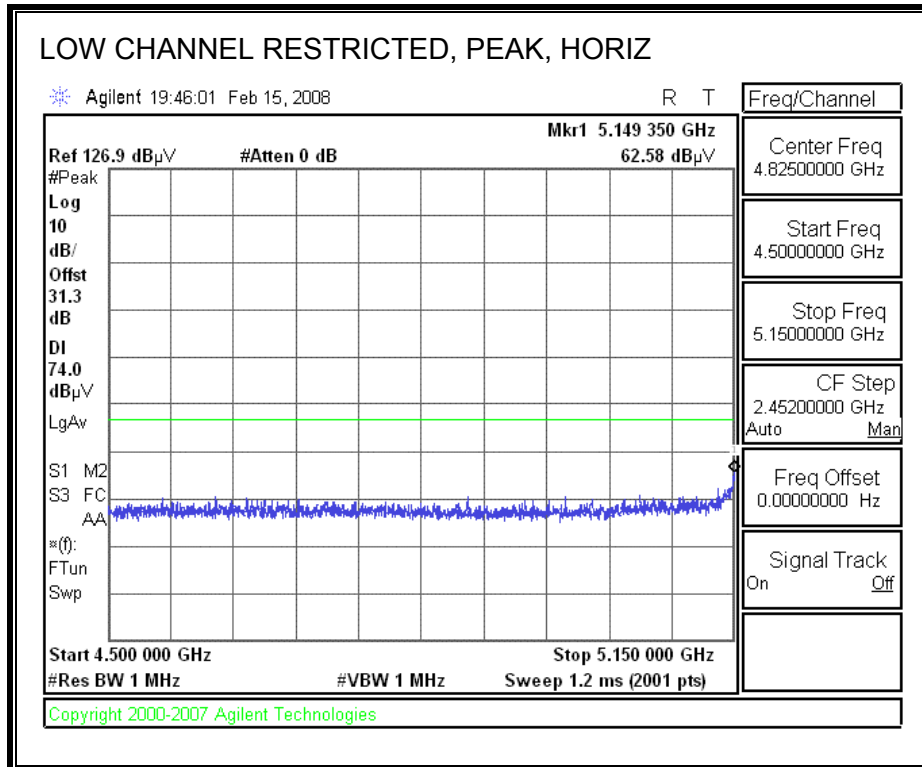
The frequency range of interest is monitored at a fixed antenna height and EUT azimuth. The EUT is rotated through 360 degrees to maximize emissions received. The antenna is scanned from 1 to 4 meters above the ground plane to further maximize the emission. Measurements are made with the antenna polarized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

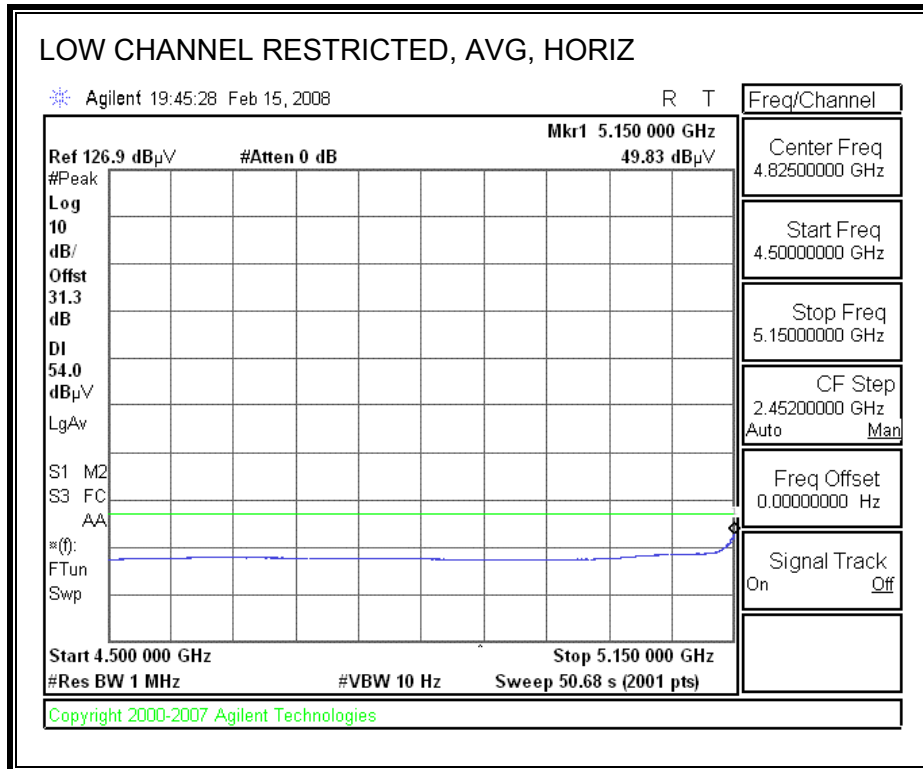
## 8.2. TRANSMITTER ABOVE 1 GHz

### 8.2.1. TRANSMITTER ABOVE 1 GHz FOR 802.11a MODE IN THE LOWER 5.2 GHz BAND

FEM #1

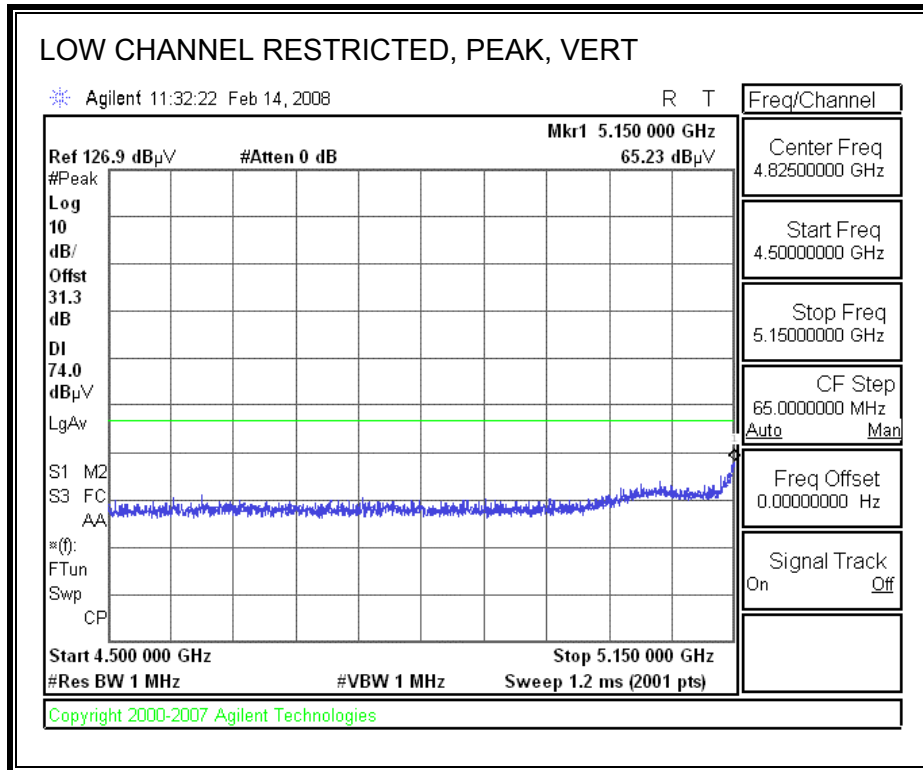
RESTRICTED BANDEDGE (LOW CHANNEL, HORIZONTAL)

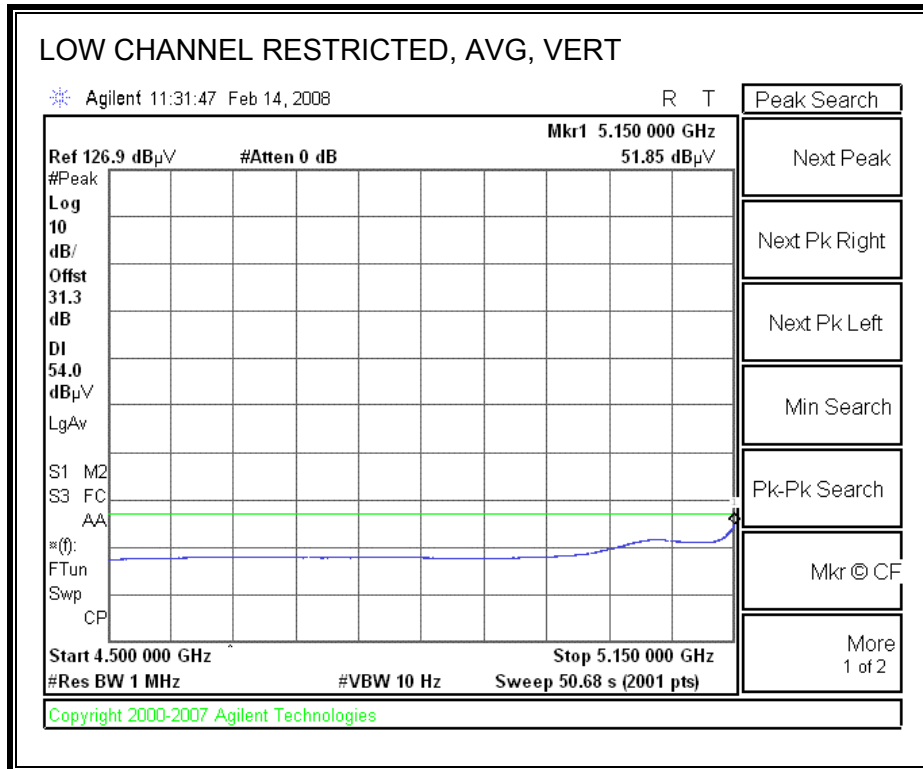






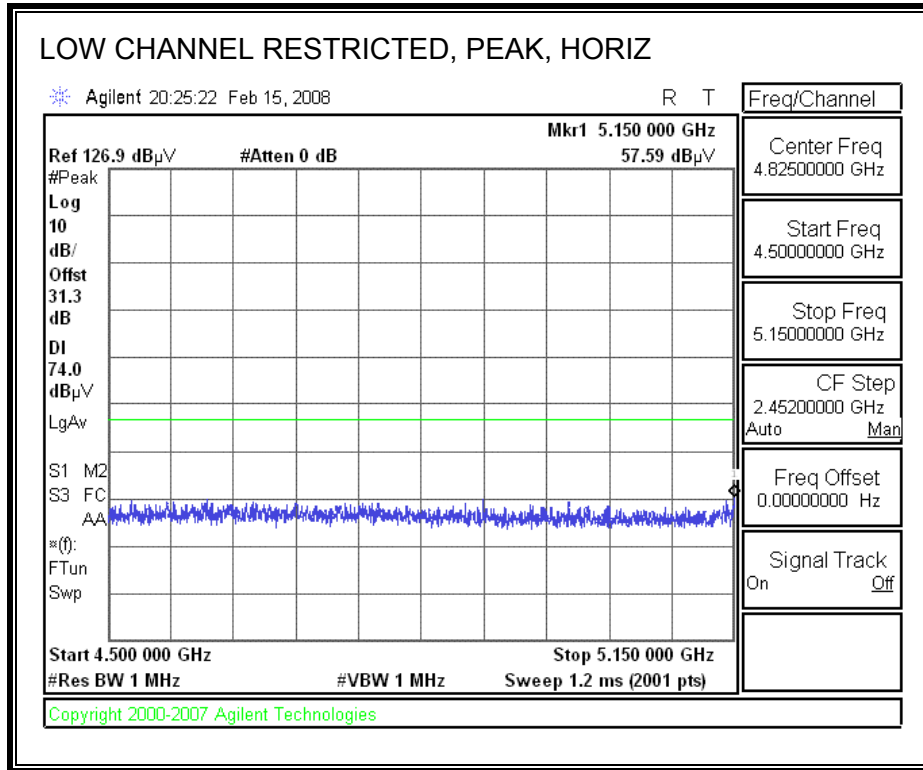
**RESTRICTED BANDEDGE (LOW CHANNEL, VERTICAL)**

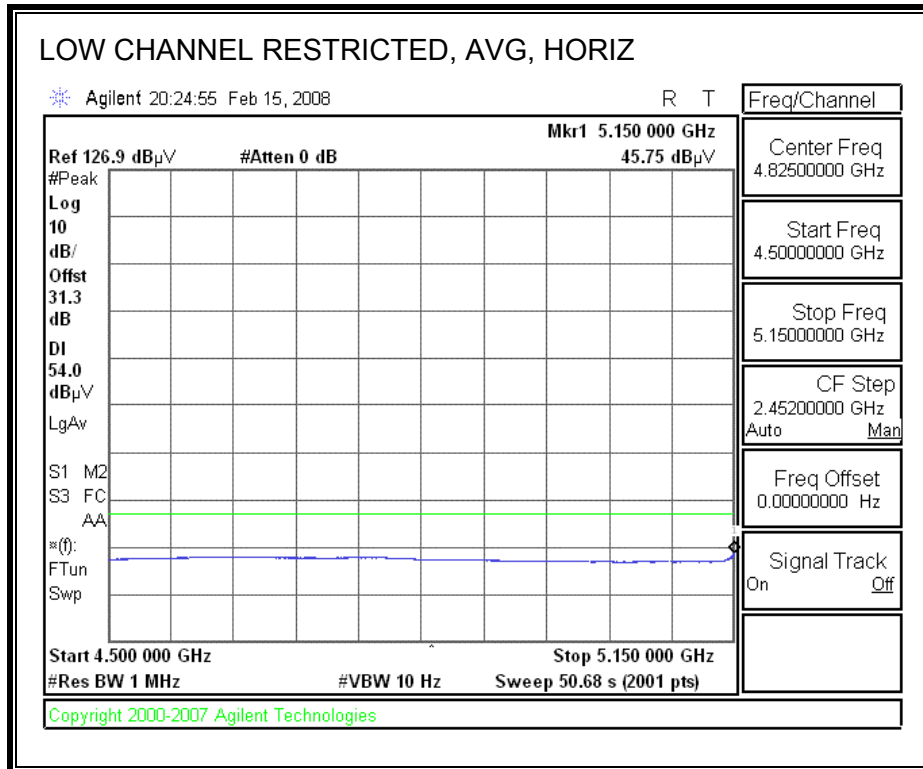




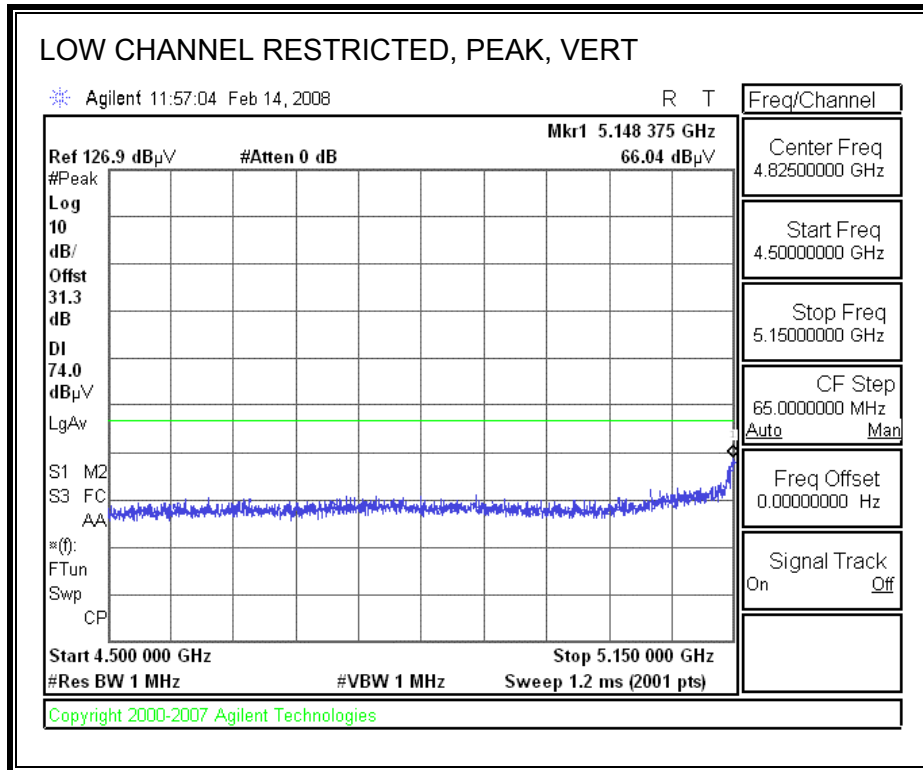
**FEM #2**

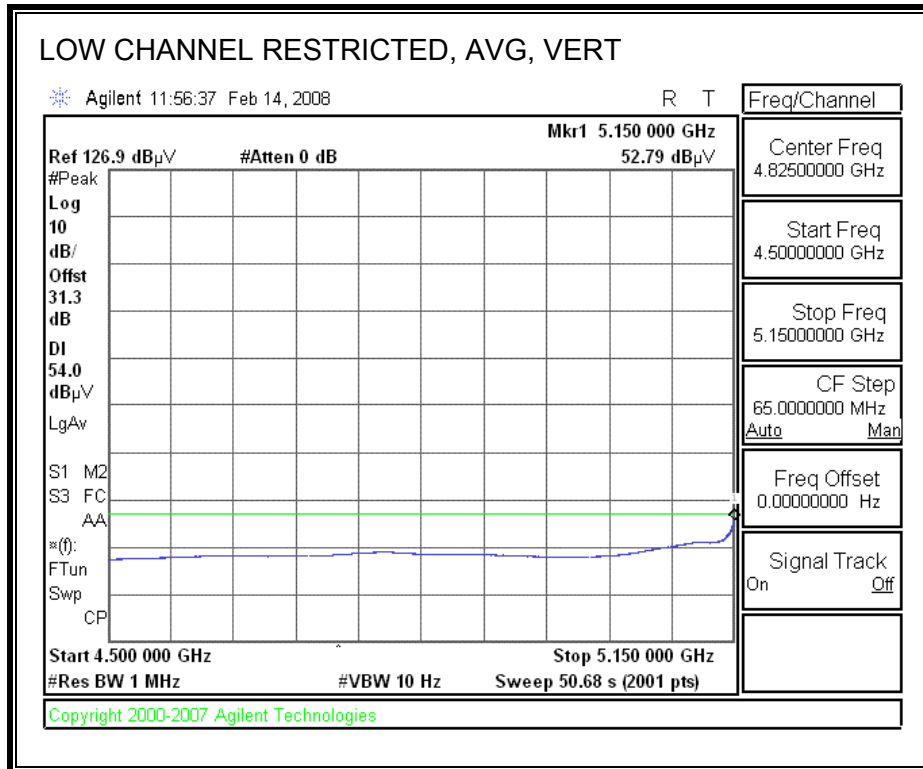
**RESTRICTED BANDEDGE (LOW CHANNEL, HORIZONTAL)**





**RESTRICTED BANDEGE (LOW CHANNEL, VERTICAL)**





**HARMONICS AND SPURIOUS EMISSIONS**

**High Frequency Measurement**  
 Compliance Certification Services, Fremont 5m Chamber

Company: Atheros  
 Project #: 08U11572  
 Date: 2/19/2008  
 Test Engineer: Thanh Nguyen  
 Configuration: EUT, Extender, Support Laptop.  
 Mode: Tx a mode, Lower band.

**Test Equipment:**

Horn 1-18GHz	Pre-amplifier 1-26GHz	Pre-amplifier 26-40GHz	Horn > 18GHz	Limit
T73; S/N: 6717 @3m	T34 HP 8449B	T88 Miteq 26-40GHz	T39-T88 ARA 18-40GHz & Mixer > 40GHz	FCC 15.205

Hi Frequency Cables

2 foot cable	3 foot cable	12 foot cable	HPF	Reject Filter	Peak Measurements RBW=VBW=1MHz
		A-5m Chamber		R_001	Average Measurements RBW=1MHz ; VBW=10Hz

f GHz	Dist (m)	Read Pk dBuV	Read Avg. dBuV	AF dB/m	CL dB	Amp dB	D Corr dB	Filtr dB	Peak dBuV/m	Avg dBuV/m	Pk Lim dBuV/m	Avg Lim dBuV/m	Pk Mar dB	Avg Mar dB	Notes (V/H)
<b>Low channel (5180MHz)</b>															
15.540	1.0	48.2	37.2	38.1	12.7	-32.2	-9.5	0.0	57.2	46.2	74	54	-16.8	-7.8	V
15.540	1.0	47.3	36.1	38.1	12.7	-32.2	-9.5	0.0	56.3	45.1	74	54	-17.7	-8.9	H
<b>Mid Channel (5220MHz)</b>															
15.660	1.0	47.9	37.3	37.8	12.7	-32.2	-9.5	0.0	56.7	46.0	74	54	-17.3	-8.0	V
15.660	1.0	46.3	35.4	37.8	12.7	-32.2	-9.5	0.0	55.1	44.2	74	54	-18.9	-9.8	H
<b>High band (5240MHz)</b>															
15.720	1.0	46.7	36.4	37.6	12.8	-32.2	-9.5	0.0	55.4	45.1	74	54	-18.6	-8.9	V
15.720	1.0	44.6	33.8	37.6	12.8	-32.2	-9.5	0.0	53.3	42.5	74	54	-20.7	-11.5	H

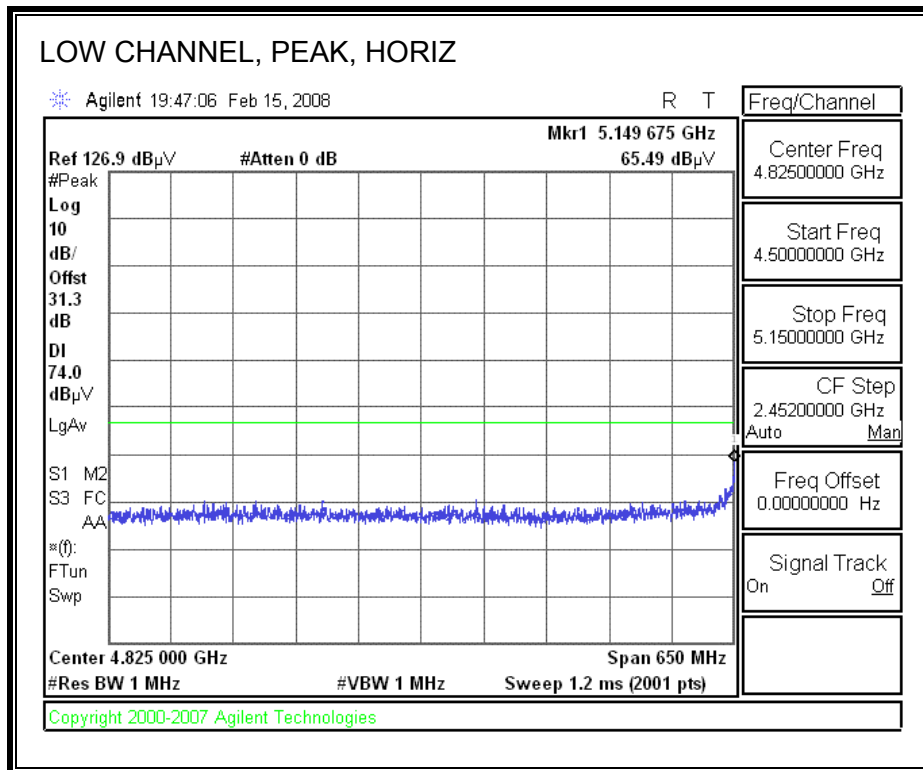
Rev. 4.12.7

f	Measurement Frequency	Amp	Preamp Gain	Avg Lim	Average Field Strength Limit
Dist	Distance to Antenna	D Corr	Distance Correct to 3 meters	Pk Lim	Peak Field Strength Limit
Read	Analyzer Reading	Avg	Average Field Strength @ 3 m	Avg Mar	Margin vs. Average Limit
AF	Antenna Factor	Peak	Calculated Peak Field Strength	Pk Mar	Margin vs. Peak Limit
CL	Cable Loss	HPF	High Pass Filter		

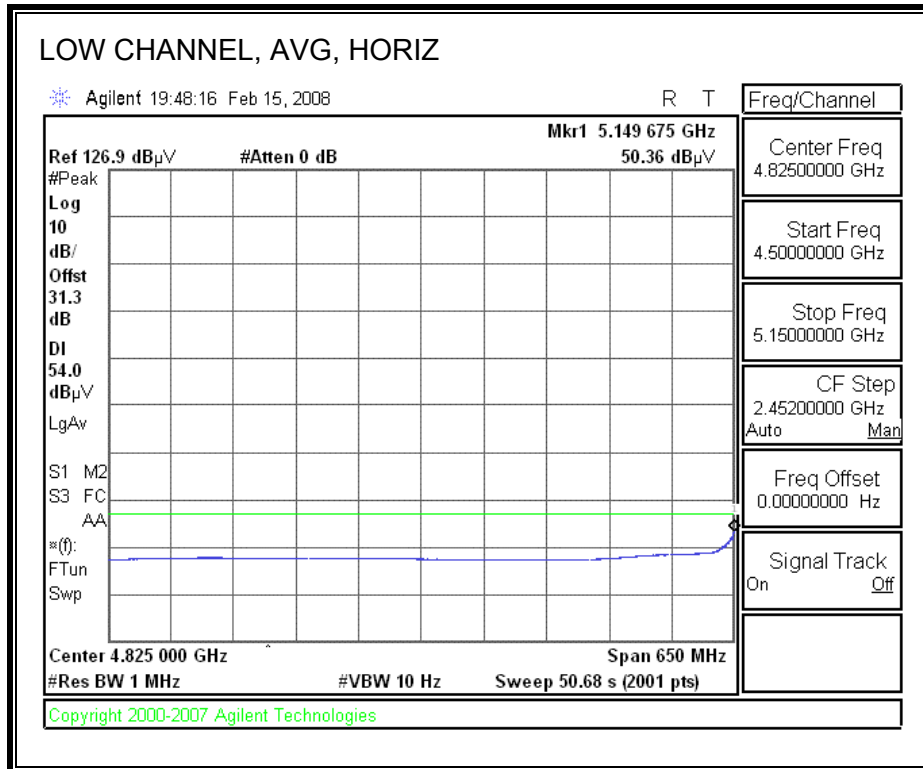
**8.2.2. TRANSMITTER ABOVE 1 GHz FOR 802.11n HT20 MODE IN THE LOWER 5.2 GHz BAND**

**FEM #1**

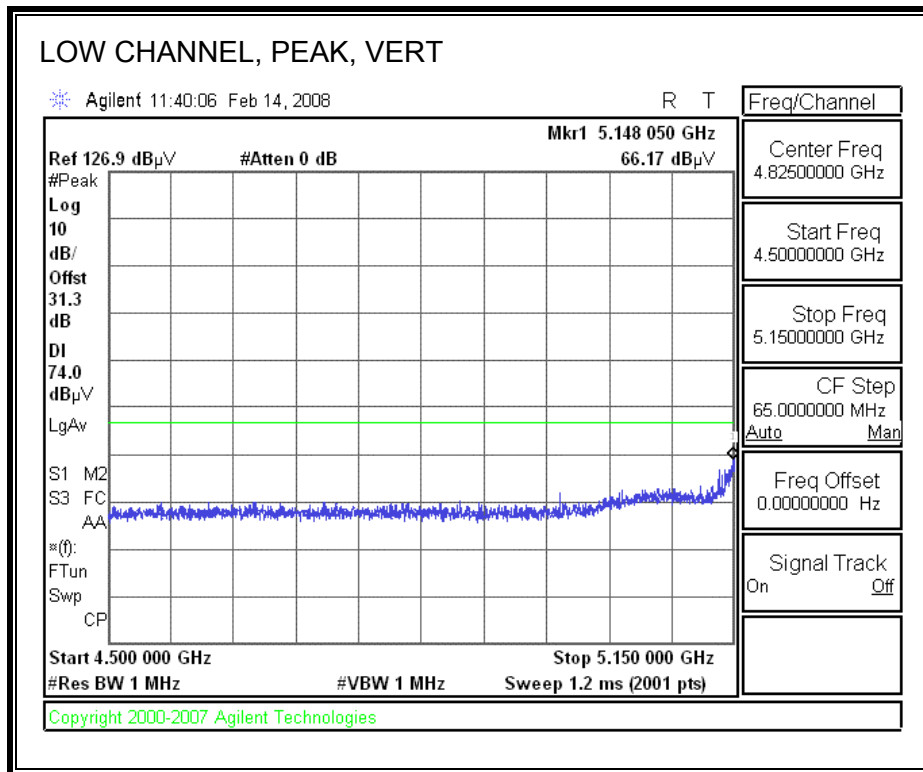
**RESTRICTED BANDEDGE (LOW CHANNEL, HORIZONTAL)**

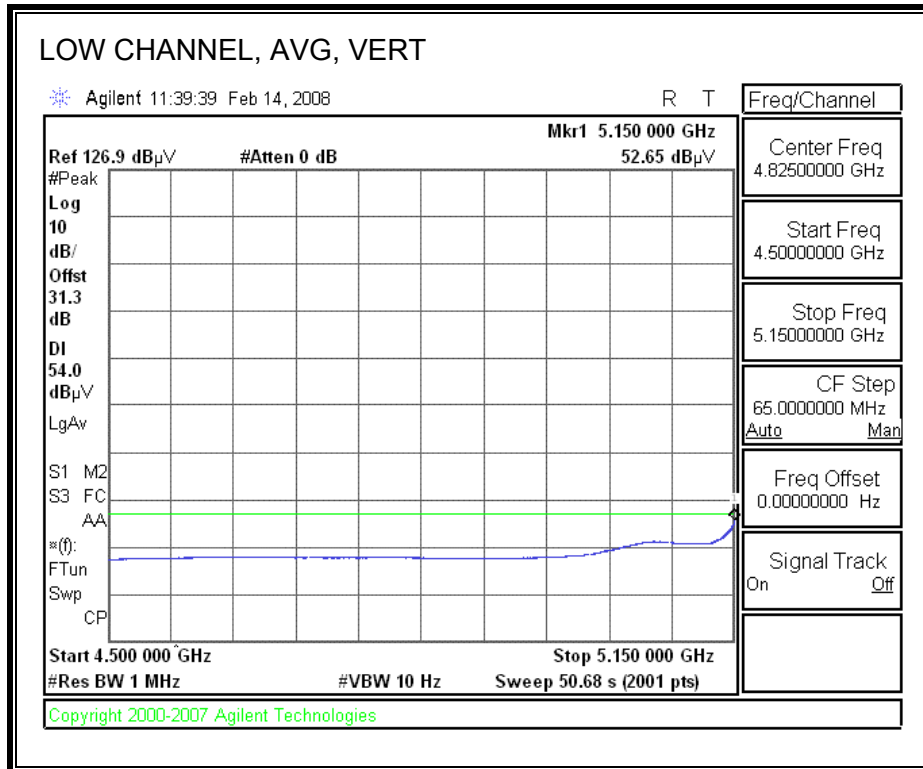






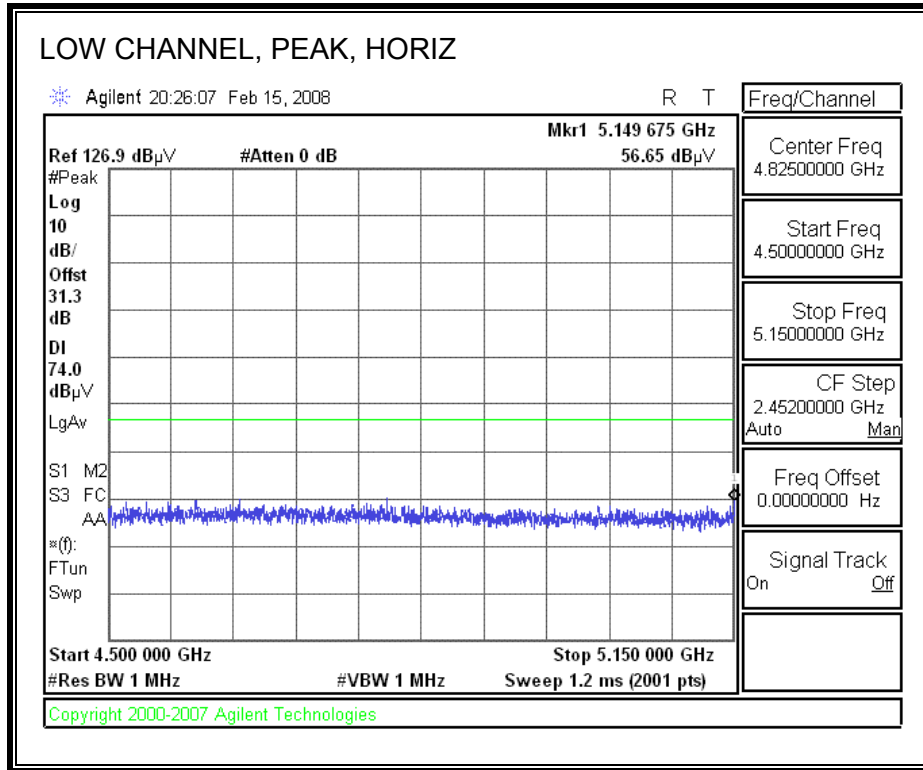
**RESTRICTED BANDEDGE (LOW CHANNEL, VERTICAL)**

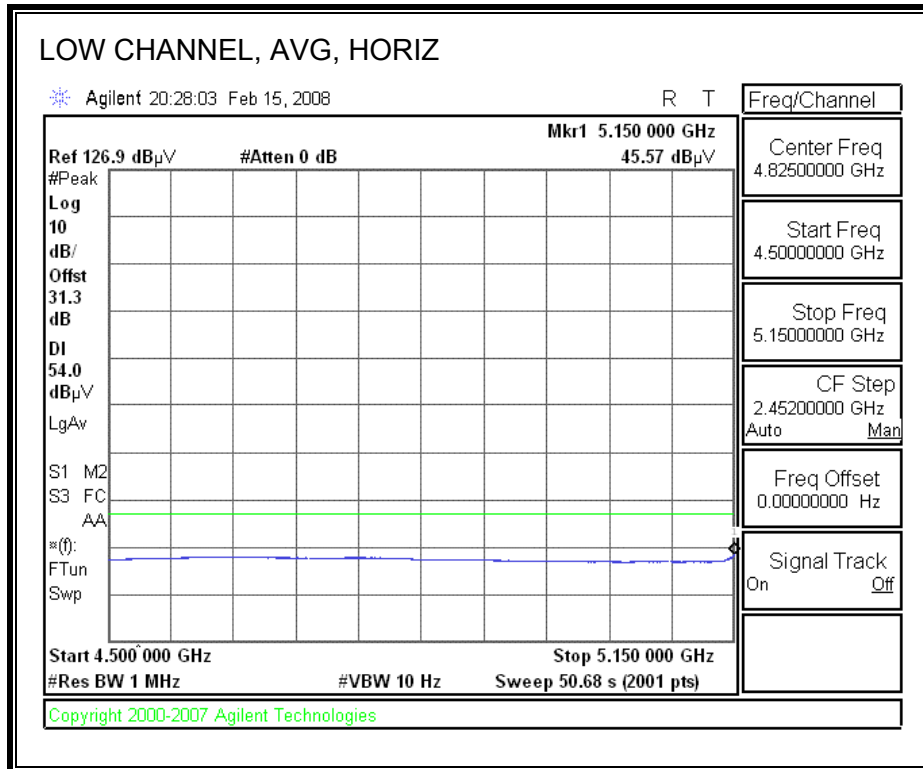




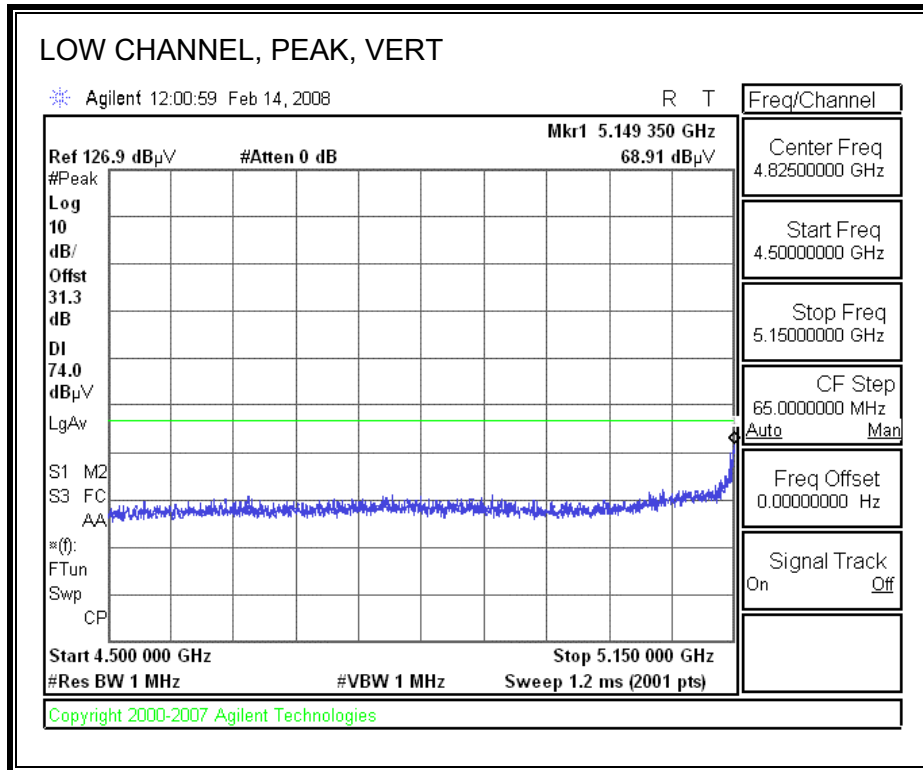
**FEM #2**

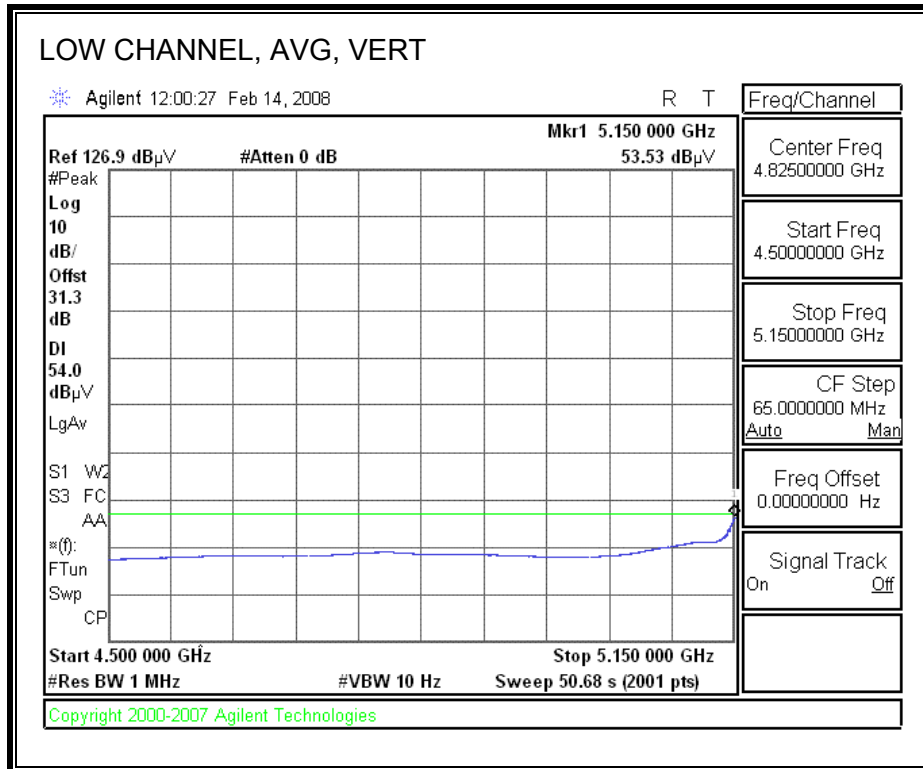
**RESTRICTED BANDEDGE (LOW CHANNEL, HORIZONTAL)**





**RESTRICTED BANDEDGE (LOW CHANNEL, VERTICAL)**





**HARMONICS AND SPURIOUS EMISSIONS**

**High Frequency Measurement**  
 Compliance Certification Services, Fremont 5m Chamber

Company: Atheros  
 Project #: 08U11572  
 Date: 2/19/2008  
 Test Engineer: Thanh Nguyen  
 Configuration: EUT, Extender, Support Laptop.  
 Mode: Tx HT20 mode, Lower band.

**Test Equipment:**

Horn 1-18GHz	Pre-amplifer 1-26GHz	Pre-amplifer 26-40GHz	Horn > 18GHz	Limit
T73; S/N: 6717 @3m	T34 HP 8449B	T88 Miteq 26-40GHz	T39-T88 ARA 18-40GHz & Mixer > 40GHz	FCC 15.205

Hi Frequency Cables

2 foot cable	3 foot cable	12 foot cable	HPF	Reject Filter	Peak Measurements RBW=VBW=1MHz
		A-5m Chamber		R_001	Average Measurements RBW=1MHz ; VBW=10Hz

f GHz	Dist (m)	Read Pk dBuV	Read Avg. dBuV	AF dB/m	CL dB	Amp dB	D Corr dB	Filtr dB	Peak dBuV/m	Avg dBuV/m	Pk Lim dBuV/m	Avg Lim dBuV/m	Pk Mar dB	Avg Mar dB	Notes (V/H)
<b>Low channel (5180MHz)</b>															
15.540	1.0	47.6	35.2	38.1	12.7	-32.2	-9.5	0.0	56.6	44.2	74	54	-17.4	-9.8	V
15.540	1.0	45.3	34.6	38.1	12.7	-32.2	-9.5	0.0	54.3	43.6	74	54	-19.7	-10.4	H
<b>Mid Channel (5220MHz)</b>															
15.660	1.0	47.4	36.2	37.8	12.7	-32.2	-9.5	0.0	56.4	45.0	74	54	-17.6	-9.0	V
15.660	1.0	46.1	35.5	37.8	12.7	-32.2	-9.5	0.0	54.9	44.2	74	54	-19.1	-9.8	H
<b>High band (5240MHz)</b>															
15.720	1.0	47.4	35.8	37.6	12.8	-32.2	-9.5	0.0	56.0	44.5	74	54	-18.0	-9.5	V
15.720	1.0	46.4	35.1	37.6	12.8	-32.2	-9.5	0.0	55.0	43.8	74	54	-19.0	-10.2	H

Rev. 4.12.7

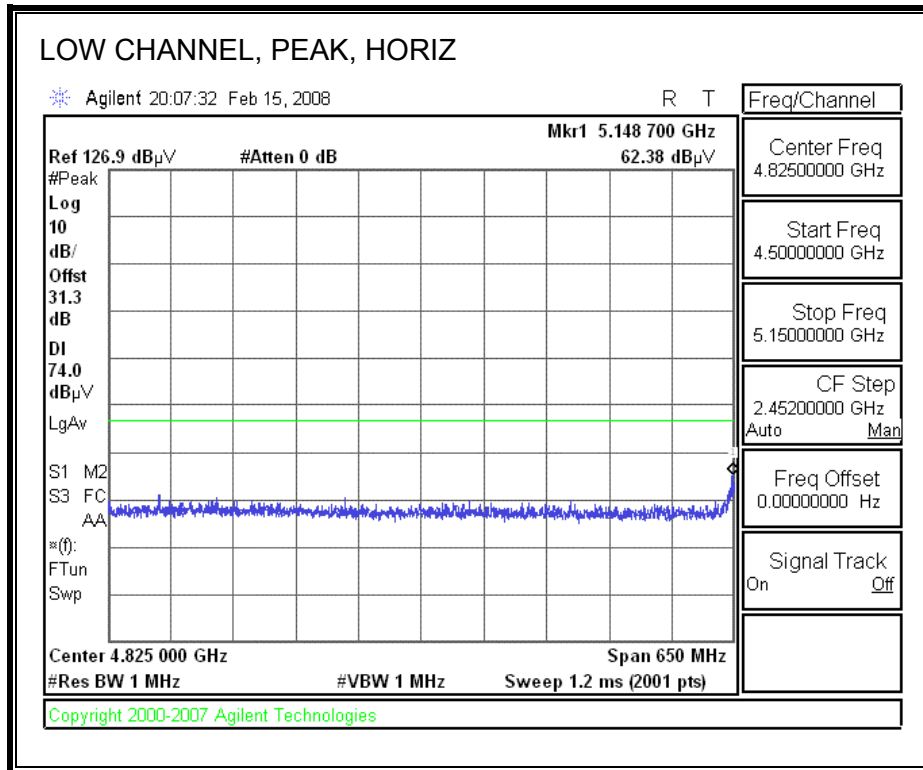
f	Measurement Frequency	Amp	Preamp Gain	Avg Lim	Average Field Strength Limit
Dist	Distance to Antenna	D Corr	Distance Correct to 3 meters	Pk Lim	Peak Field Strength Limit
Read	Analyzer Reading	Avg	Average Field Strength @ 3 m	Avg Mar	Margin vs. Average Limit
AF	Antenna Factor	Peak	Calculated Peak Field Strength	Pk Mar	Margin vs. Peak Limit
CL	Cable Loss	HPF	High Pass Filter		

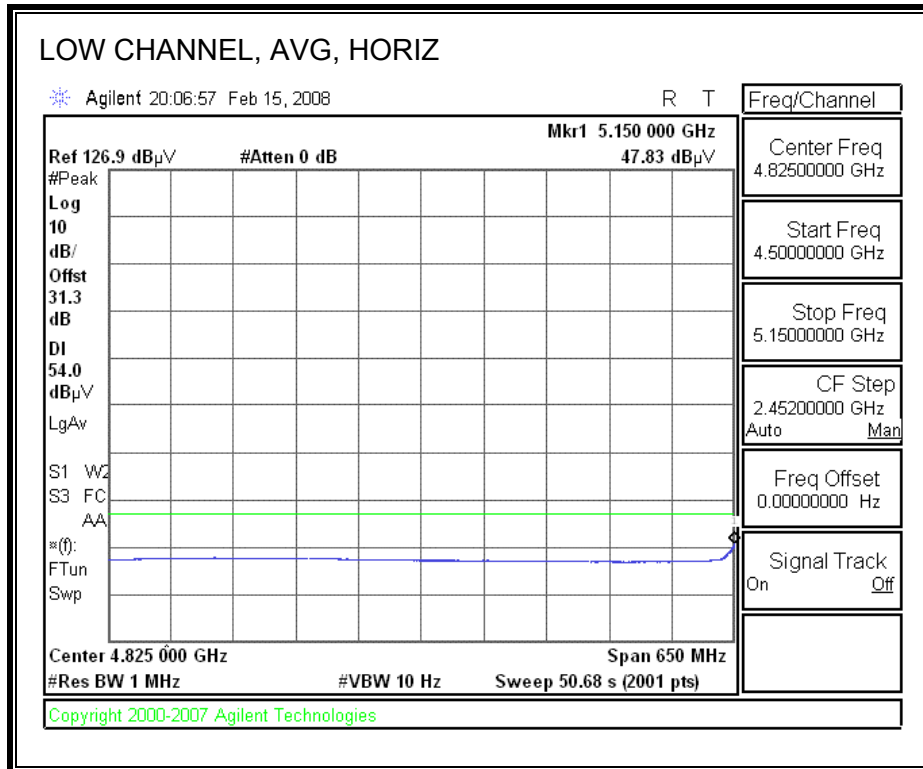


### 8.2.3. TRANSMITTER ABOVE 1 GHz FOR 802.11n HT40 MODE IN THE LOWER 5.2 GHz BAND

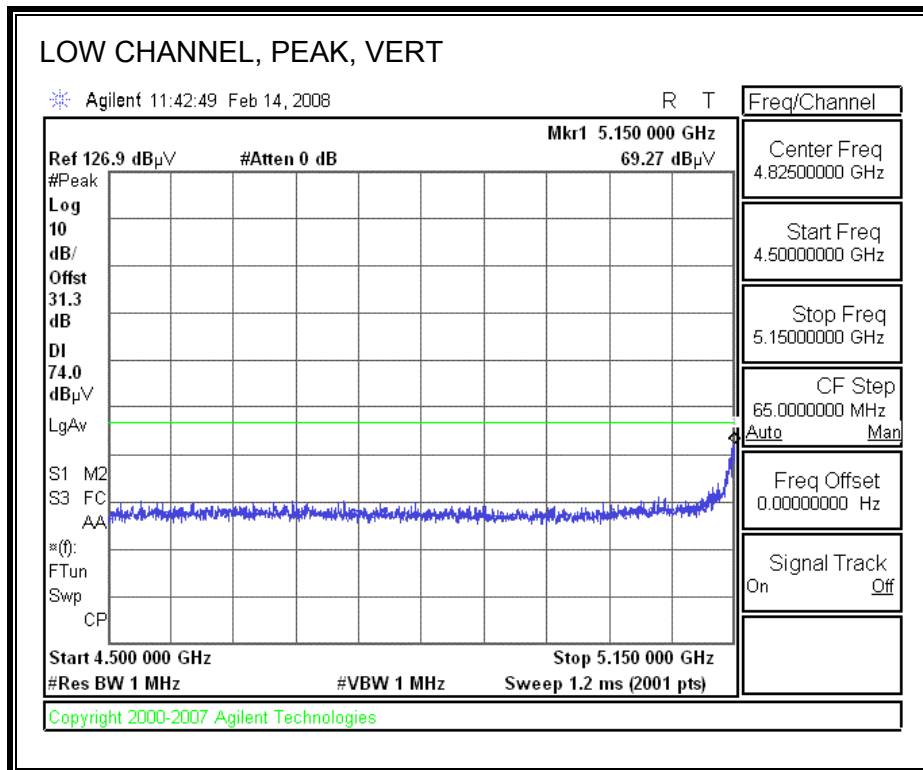
FEM #1

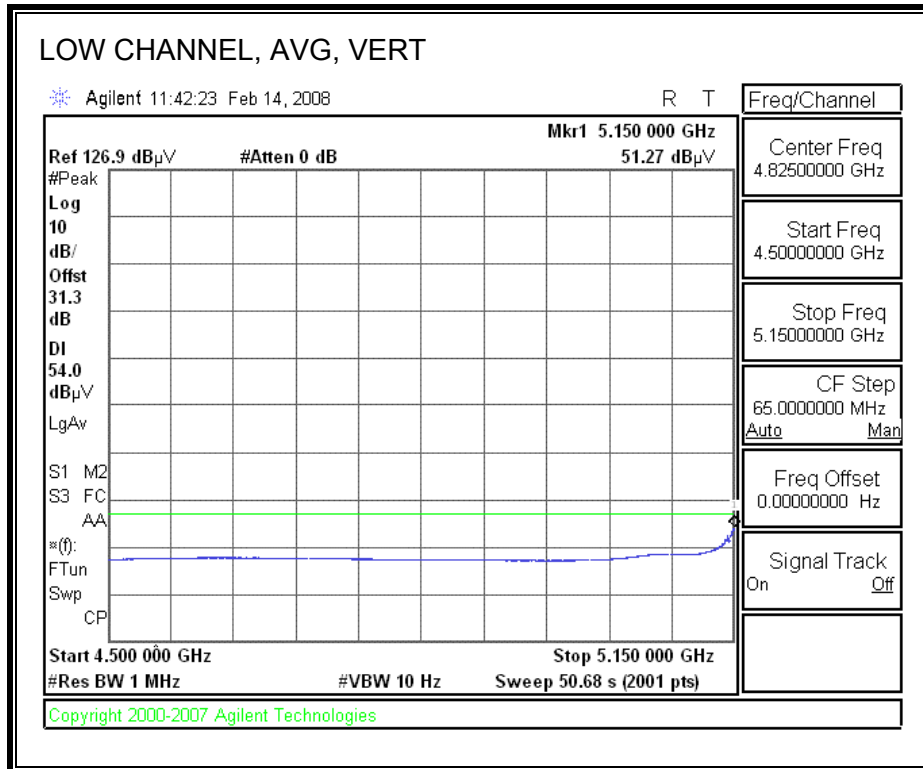
RESTRICTED BANDEDGE (LOW CHANNEL, HORIZONTAL)





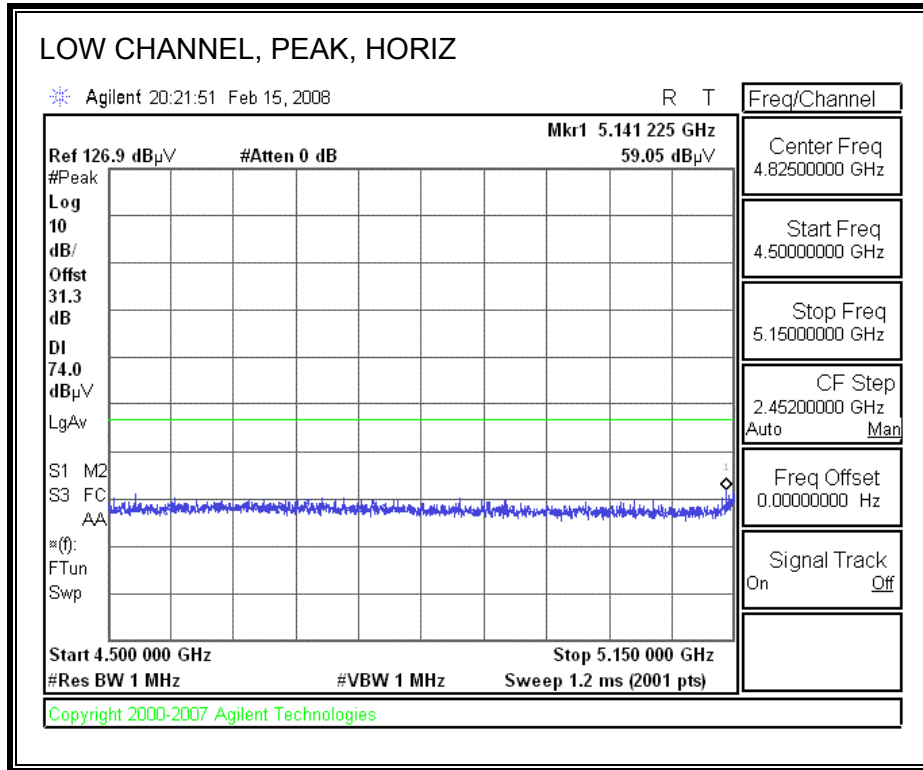
**RESTRICTED BANDEDGE (LOW CHANNEL, VERTICAL)**

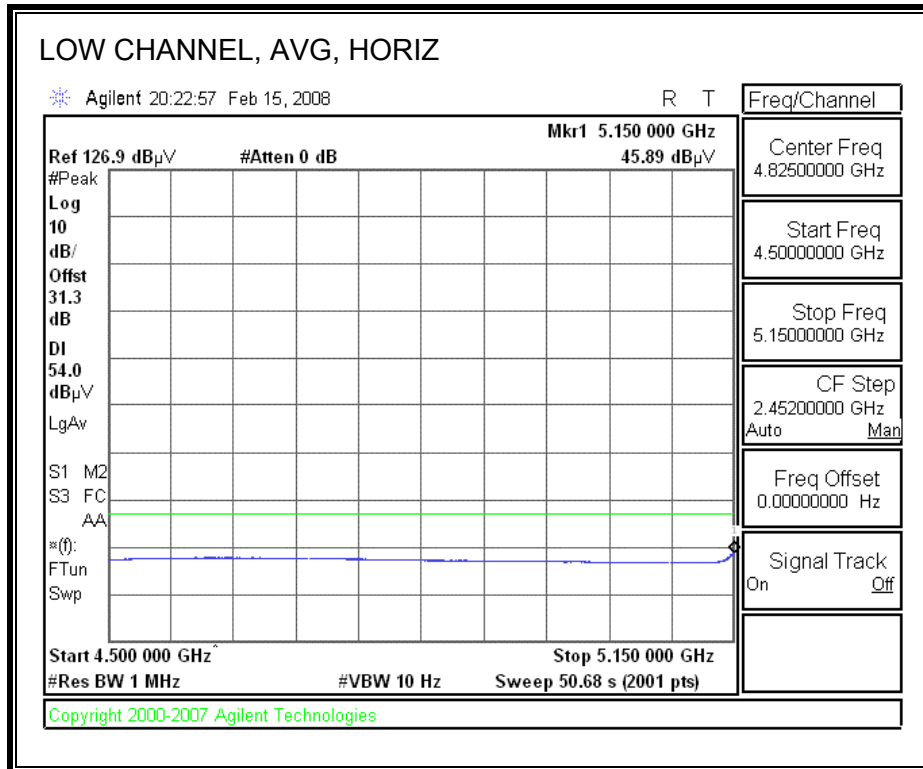




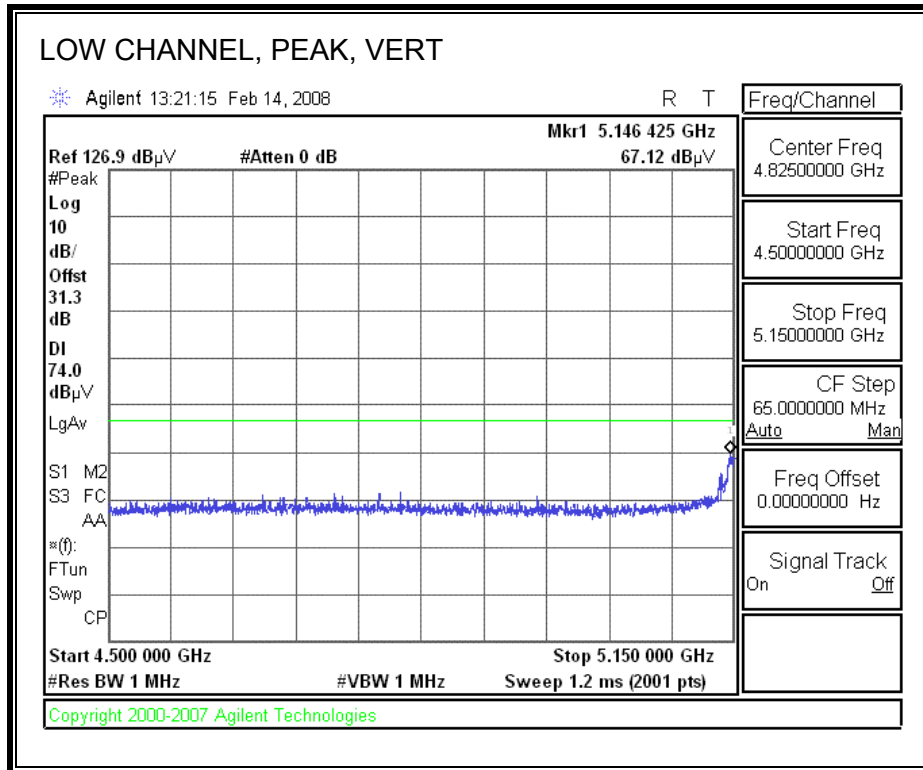
**FEM #2**

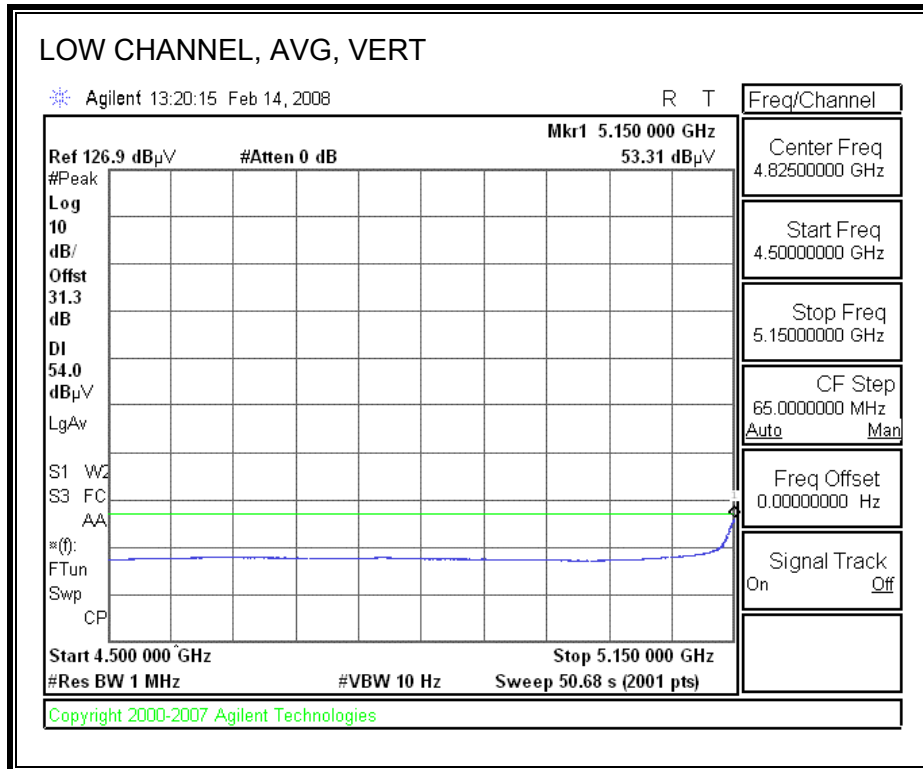
**RESTRICTED BANDEDGE (LOW CHANNEL, HORIZONTAL)**





**RESTRICTED BANDEDGE (LOW CHANNEL, VERTICAL)**







**HARMONICS AND SPURIOUS EMISSIONS**

**High Frequency Measurement**  
 Compliance Certification Services, Fremont 5m Chamber

Company: Atheros  
 Project #: 08U11572  
 Date: 2/19/2008  
 Test Engineer: Thanh Nguyen  
 Configuration: EUT, Extender, Support Laptop.  
 Mode: Tx HT40 mode, Lower band.

**Test Equipment:**

Horn 1-18GHz	Pre-amplifier 1-26GHz	Pre-amplifier 26-40GHz	Horn > 18GHz	Limit
T73; S/N: 6717 @3m	T34 HP 8449B	T88 Miteq 26-40GHz	T39.T88 ARA 18-40GHz & Mixer > 40GHz	FCC 15.205

Hi Frequency Cables

2 foot cable	3 foot cable	12 foot cable	HPF	Reject Filter	Peak Measurements RBW=VBW=1MHz
		A-5m Chamber		R_001	Average Measurements RBW=1MHz ; VBW=10Hz

f GHz	Dist (m)	Read Pk dBuV	Read Avg. dBuV	AF dB/m	CL dB	Amp dB	D Corr dB	Filtr dB	Peak dBuV/m	Avg dBuV/m	Pk Lim dBuV/m	Avg Lim dBuV/m	Pk Mar dB	Avg Mar dB	Notes (V/H)
<b>Low channel (5190MHz)</b>															
15.570	1.0	42.6	32.5	38.0	12.7	-32.2	-9.5	0.0	51.5	41.5	74	54	-22.5	-12.5	V
15.570	1.0	42.7	32.3	38.0	12.7	-32.2	-9.5	0.0	51.6	41.2	74	54	-22.4	-12.8	H
<b>High band (5230MHz)</b>															
15.690	1.0	42.9	31.8	37.7	12.7	-32.2	-9.5	0.0	51.7	40.5	74	54	-22.3	-13.5	V
15.690	1.0	41.5	31.8	37.7	12.7	-32.2	-9.5	0.0	50.2	40.5	74	54	-23.8	-13.5	H

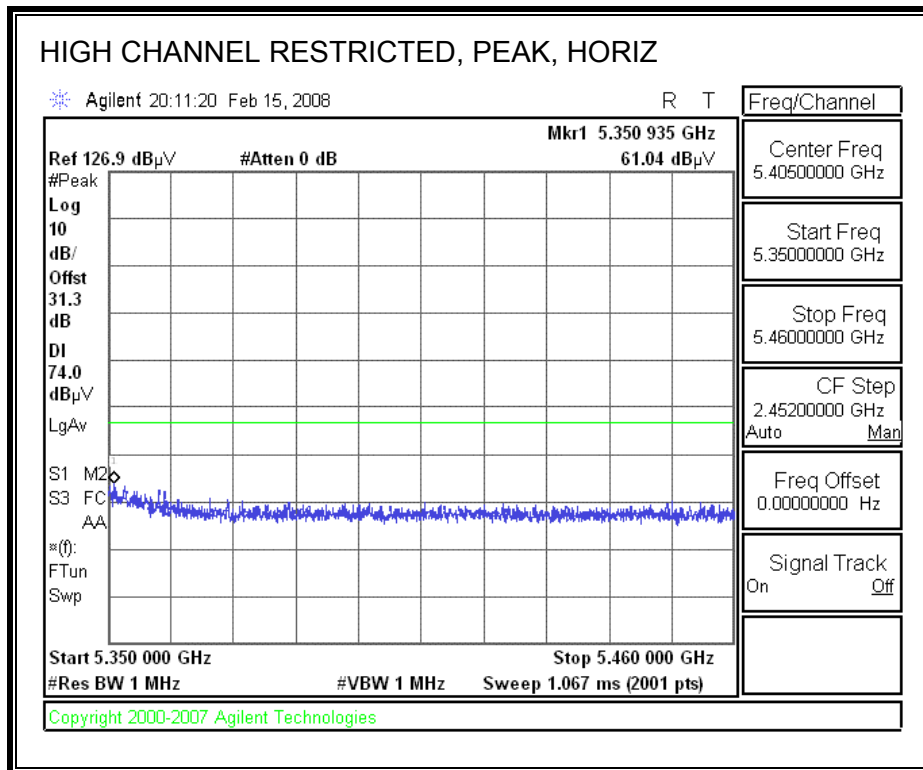
Rev. 4.12.7

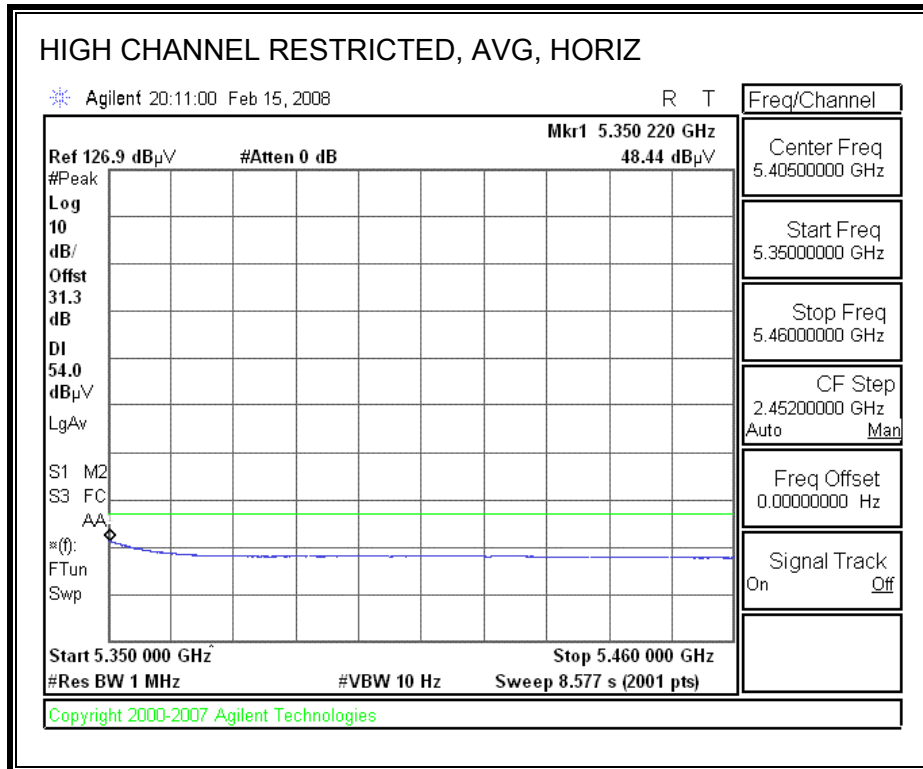
f	Measurement Frequency	Amp	Preamp Gain	Avg Lim	Average Field Strength Limit
Dist	Distance to Antenna	D Corr	Distance Correct to 3 meters	Pk Lim	Peak Field Strength Limit
Read	Analyzer Reading	Avg	Average Field Strength @ 3 m	Avg Mar	Margin vs. Average Limit
AF	Antenna Factor	Peak	Calculated Peak Field Strength	Pk Mar	Margin vs. Peak Limit
CL	Cable Loss	HPF	High Pass Filter		

### 8.2.4. TRANSMITTER ABOVE 1 GHz FOR 802.11a MODE IN THE UPPER 5.2 GHz BAND

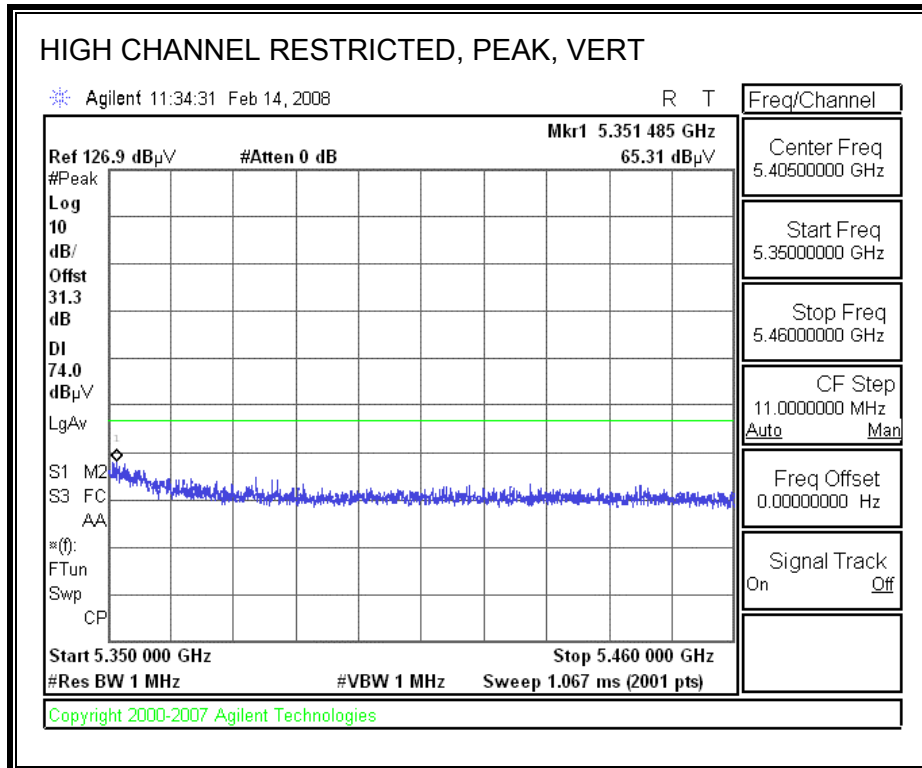
FEM #1

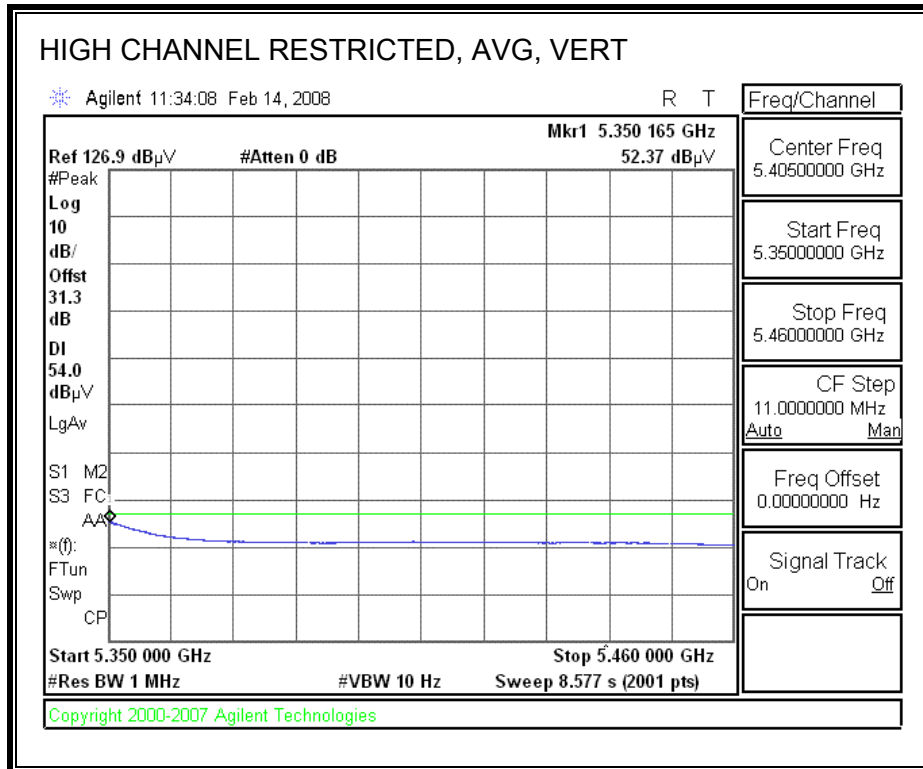
RESTRICTED BANDEDGE (HIGH CHANNEL, HORIZONTAL)





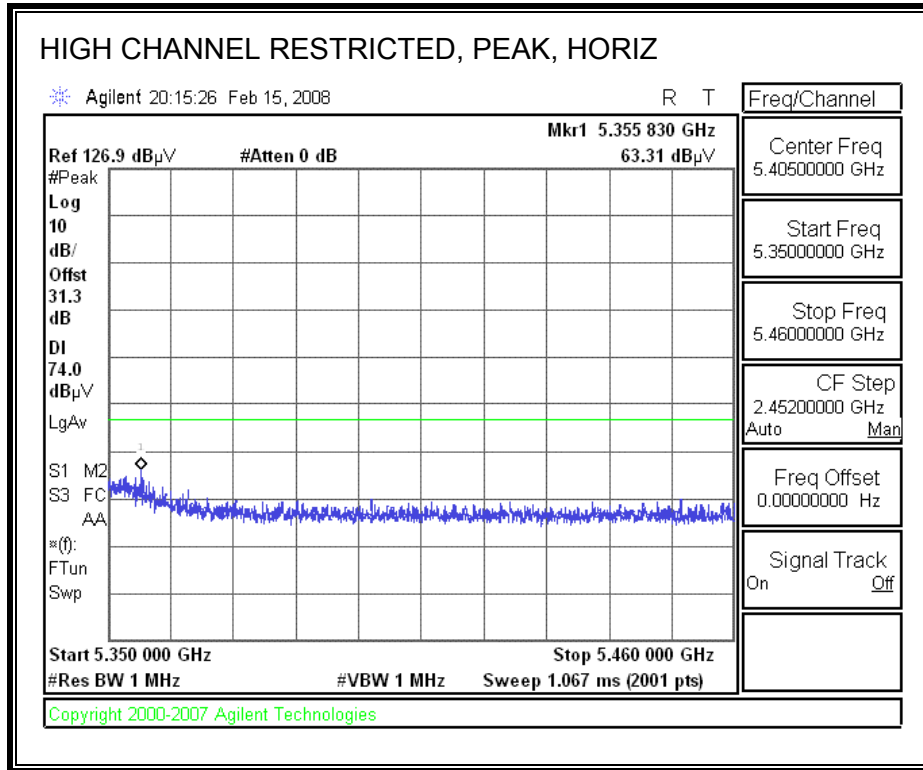
**RESTRICTED BANDEDGE (HIGH CHANNEL, VERTICAL)**

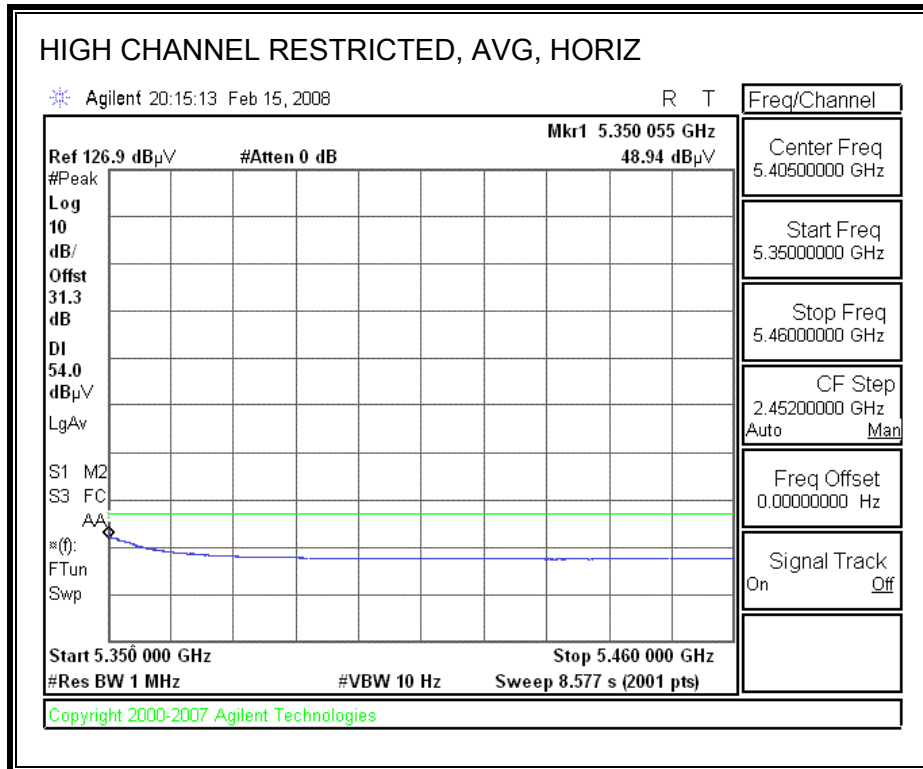




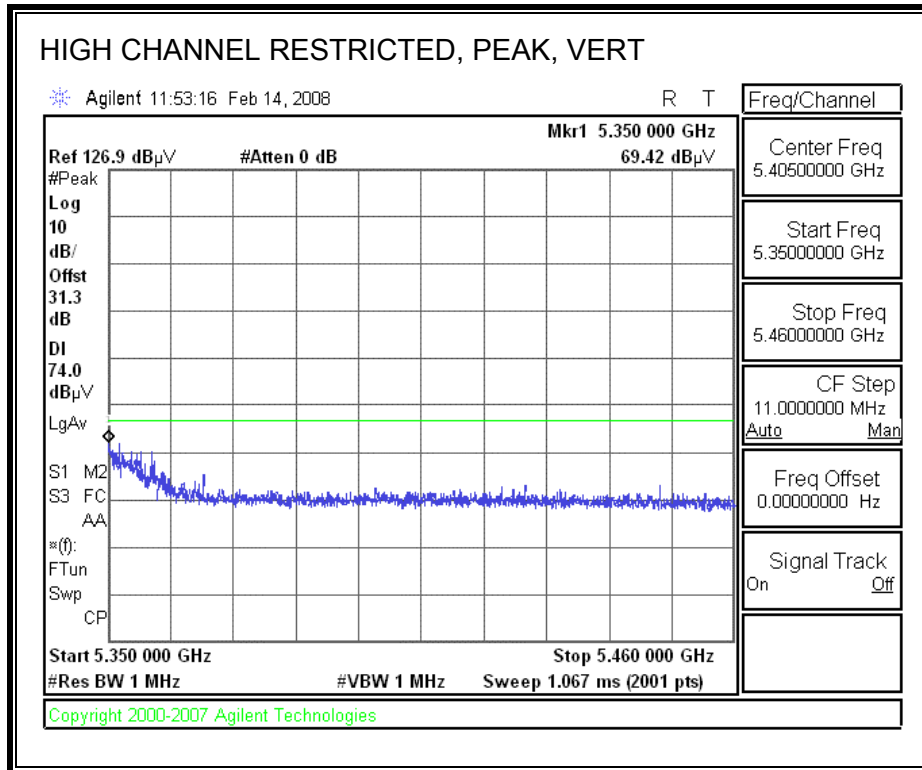
**FEM #2**

**RESTRICTED BANDEDGE (HIGH CHANNEL, HORIZONTAL)**

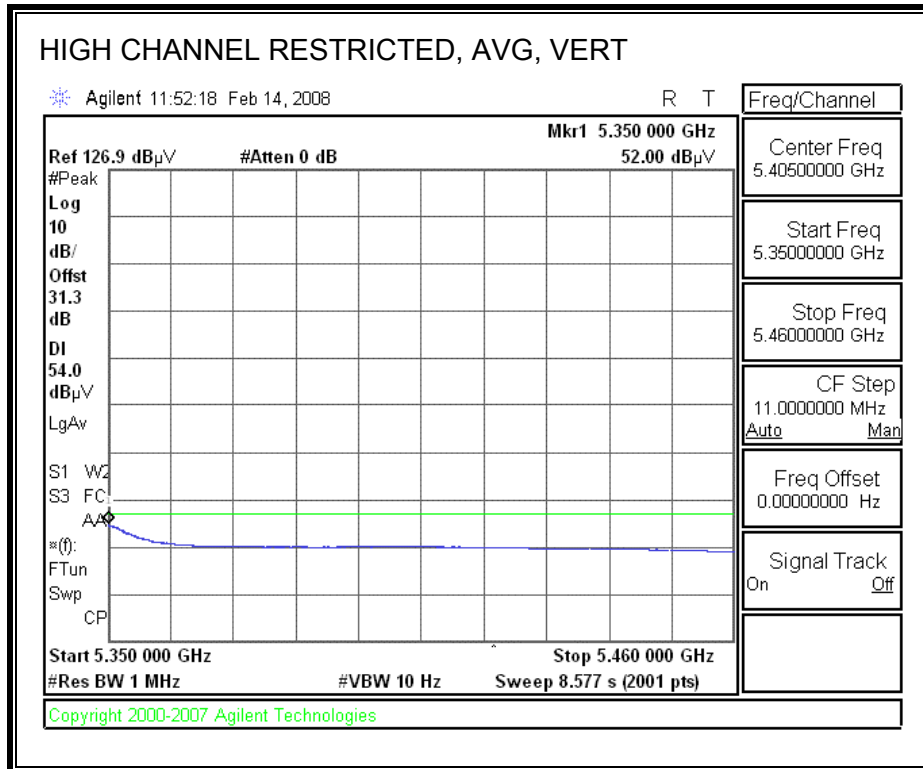




**RESTRICTED BANDEDGE (HIGH CHANNEL, VERTICAL)**







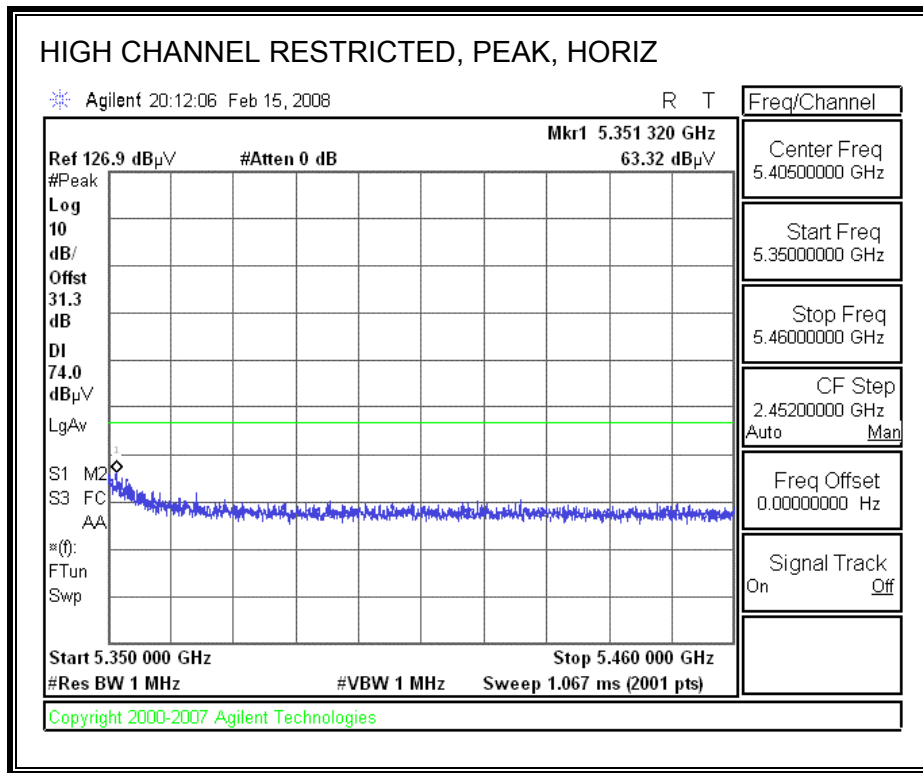
**HARMONICS AND SPURIOUS EMISSIONS**

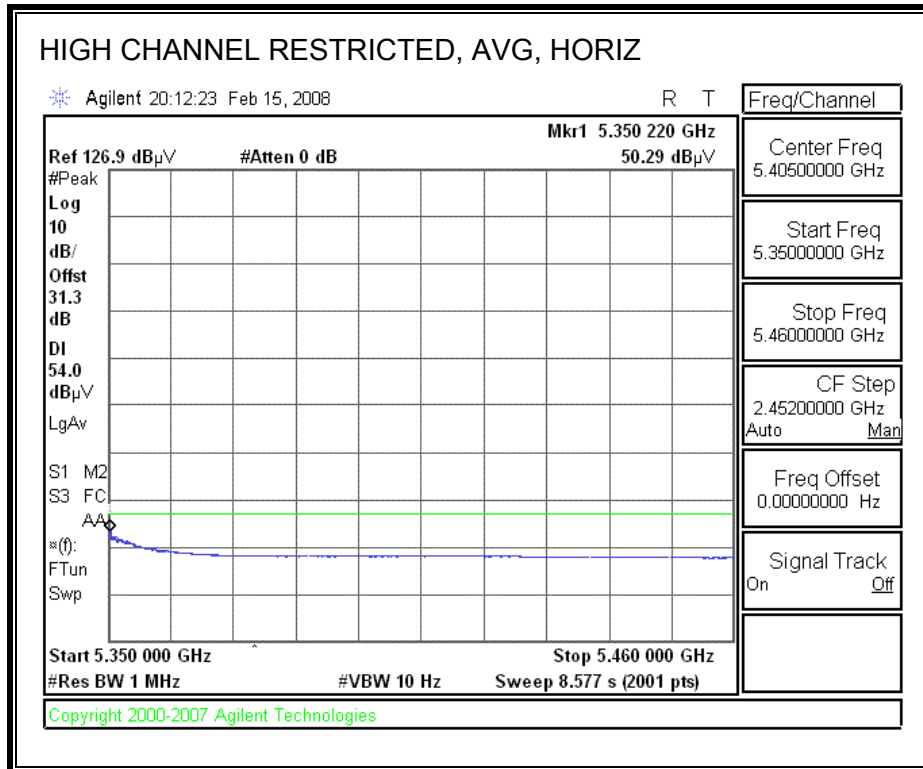
<b>High Frequency Measurement</b>																
Compliance Certification Services, Fremont 5m Chamber																
Company: Atheros																
Project #: 08U11572																
Date: 2/19/2008																
Test Engineer: Thanh Nguyen																
Configuration: EUT w/Extender card, Support Laptop																
Mode: Tx a mode, Upper band.																
<b>Test Equipment:</b>																
Horn 1-18GHz			Pre-amplifier 1-26GHz			Pre-amplifier 26-40GHz			Horn > 18GHz			Limit				
T73; S/N: 6717 @3m			T34 HP 8449B			T88 Miteq 26-40GHz			T39-T88 ARA 18-40GHz & Mixer > 40GHz			FCC 15.205				
Hi Frequency Cables																
2 foot cable			3 foot cable			12 foot cable			HPF			Reject Filter				
						A-5m Chamber						R_001				
Peak Measurements RBW=VBW=1MHz Average Measurements RBW=1MHz ; VBW=10Hz																
f GHz	Dist (m)	Read Pk dBuV	Read Avg. dBuV	AF dB/m	CL dB	Amp dB	D Corr dB	Filtr dB	Peak dBuV/m	Avg dBuV/m	Pk Lim dBuV/m	Avg Lim dBuV/m	Pk Mar dB	Avg Mar dB	Notes (V/H)	
<b>Low channel (5260MHz)</b>																
15.780	1.0	48.1	36.6	37.5	12.8	-32.2	-9.5	0.0	56.7	45.1	74	54	-17.3	-8.9	V	
15.780	1.0	45.2	34.8	37.5	12.8	-32.2	-9.5	0.0	53.7	43.4	74	54	-20.3	-10.6	H	
<b>Mid Channel (5300MHz)</b>																
10.600	1.0	45.3	35.5	37.1	10.7	-32.6	-9.5	0.0	50.9	41.1	74	54	-23.1	-12.9	V	
15.900	1.0	46.2	36.2	37.2	12.8	-32.1	-9.5	0.0	54.6	44.5	74	54	-19.4	-9.5	V	
10.600	1.0	46.3	35.9	37.1	10.7	-32.6	-9.5	0.0	52.0	41.5	74	54	-22.0	-12.5	H	
15.900	1.0	45.9	35.7	37.2	12.8	-32.1	-9.5	0.0	54.2	44.0	74	54	-19.8	-10.0	H	
<b>High band (5320MHz)</b>																
10.640	1.0	45.9	36.0	37.1	10.7	-32.6	-9.5	0.0	51.6	41.7	74	54	-22.4	-12.3	V	
15.960	1.0	48.3	36.9	37.1	12.8	-32.1	-9.5	0.0	56.6	45.1	74	54	-17.4	-8.9	V	
10.640	1.0	45.0	36.6	37.1	10.7	-32.6	-9.5	0.0	50.7	42.3	74	54	-23.3	-11.7	H	
15.960	1.0	45.3	35.5	37.1	12.8	-32.1	-9.5	0.0	53.5	43.7	74	54	-20.5	-10.3	H	
Rev. 4.12.7																
f	Measurement Frequency					Amp	Preamp Gain					Avg Lim	Average Field Strength Limit			
Dist	Distance to Antenna					D Corr	Distance Correct to 3 meters					Pk Lim	Peak Field Strength Limit			
Read	Analyzer Reading					Avg	Average Field Strength @ 3 m					Avg Mar	Margin vs. Average Limit			
AF	Antenna Factor					Peak	Calculated Peak Field Strength					Pk Mar	Margin vs. Peak Limit			
CL	Cable Loss					HPF	High Pass Filter									

### 8.2.5. TRANSMITTER ABOVE 1 GHz FOR 802.11n HT20 MODE IN THE UPPER 5.2 GHz BAND

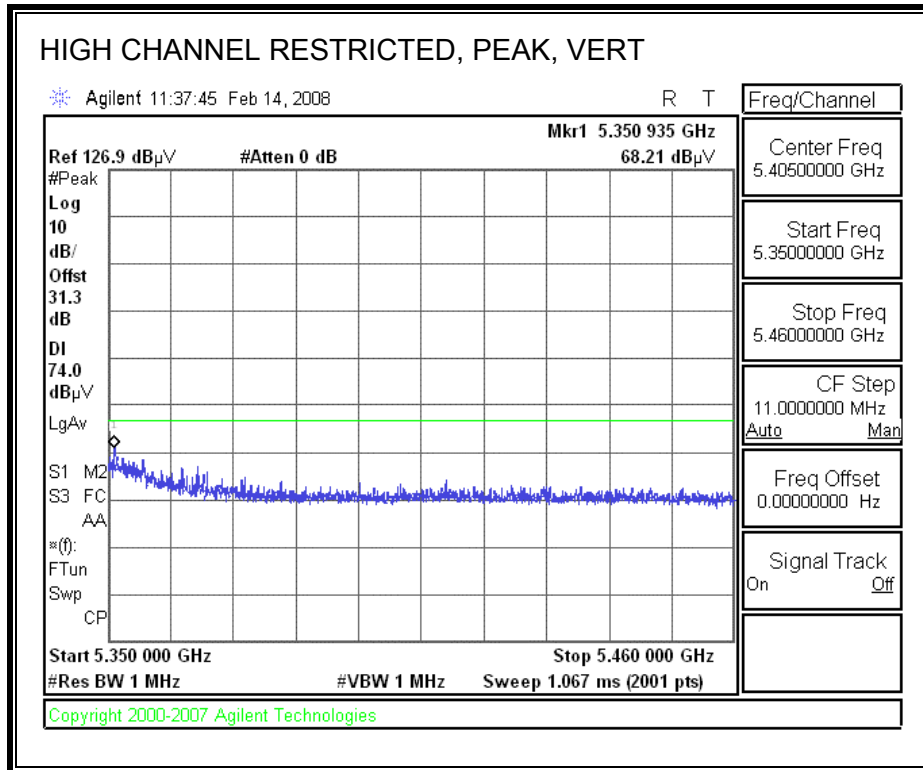
FEM #1

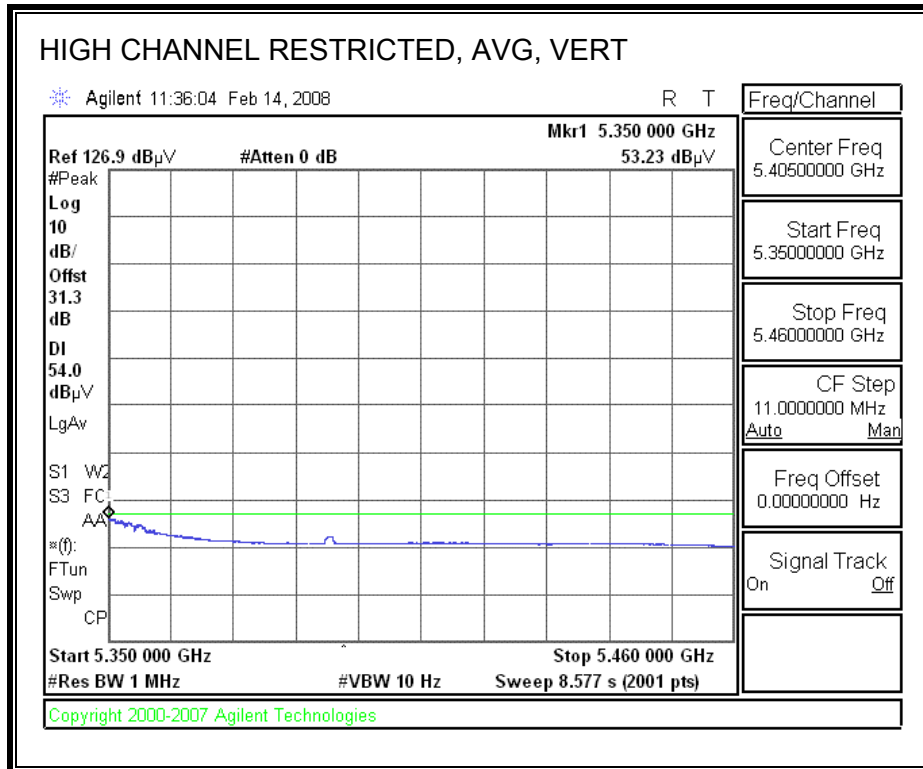
RESTRICTED BANDEDGE (HIGH CHANNEL, HORIZONTAL)





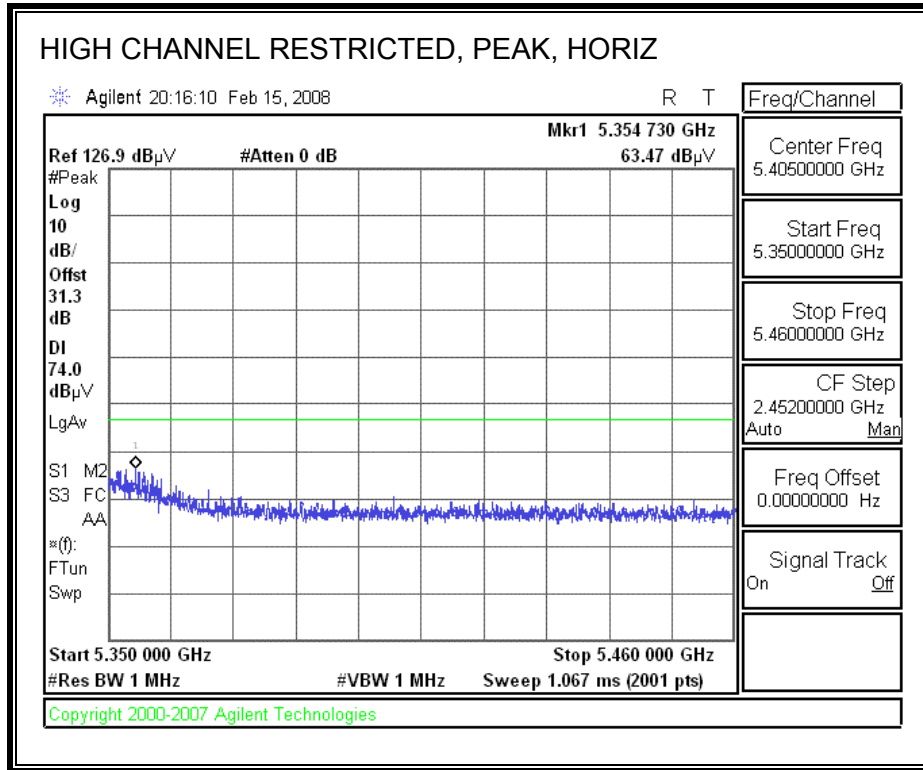
**RESTRICTED BANDEDGE (HIGH CHANNEL, VERTICAL)**

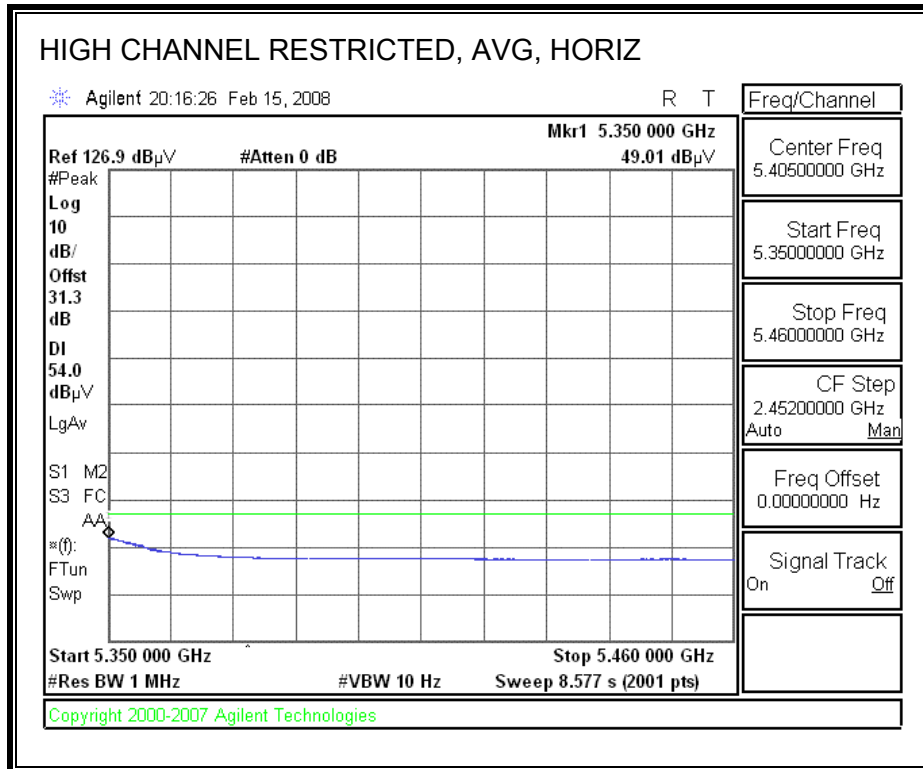




**FEM #2**

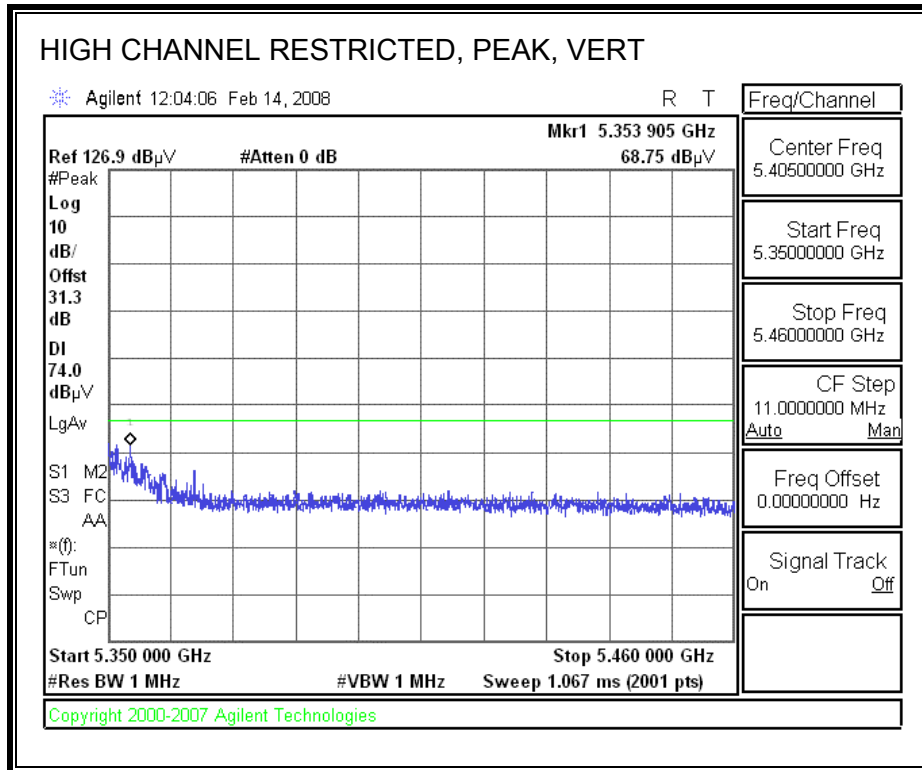
**RESTRICTED BANDEDGE (HIGH CHANNEL, HORIZONTAL)**

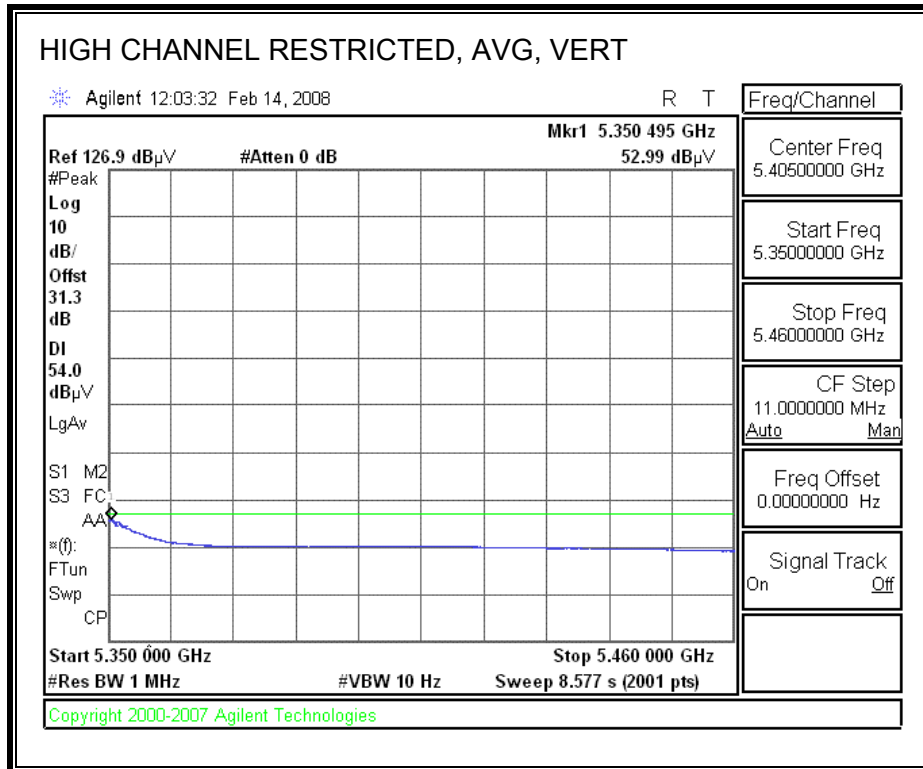






**RESTRICTED BANDEDGE (HIGH CHANNEL, VERTICAL)**





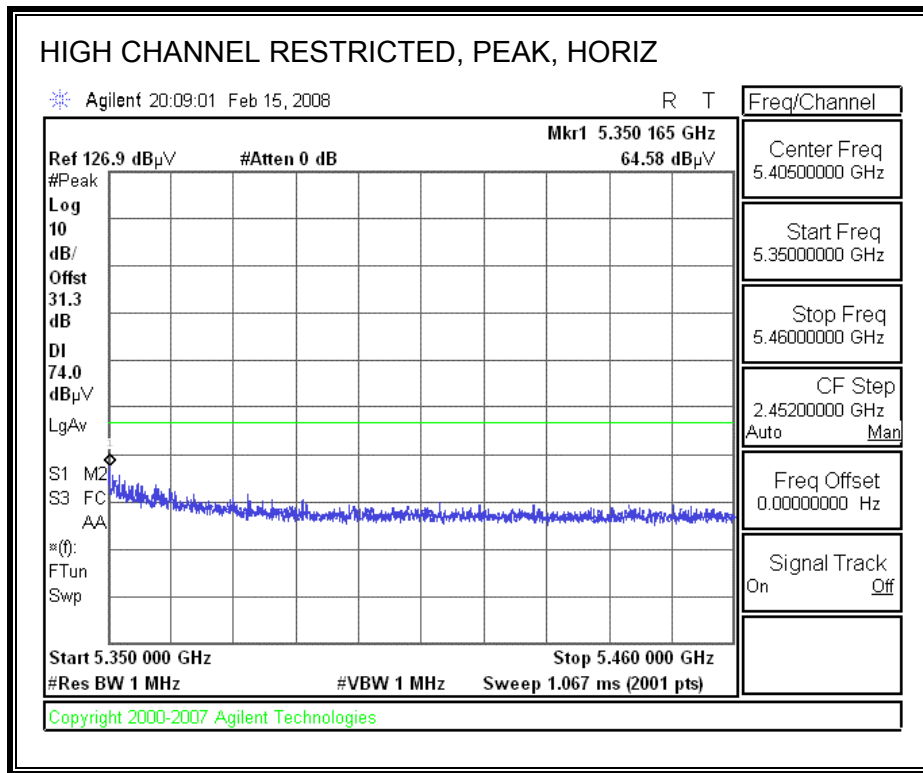
**HARMONICS AND SPURIOUS EMISSIONS**

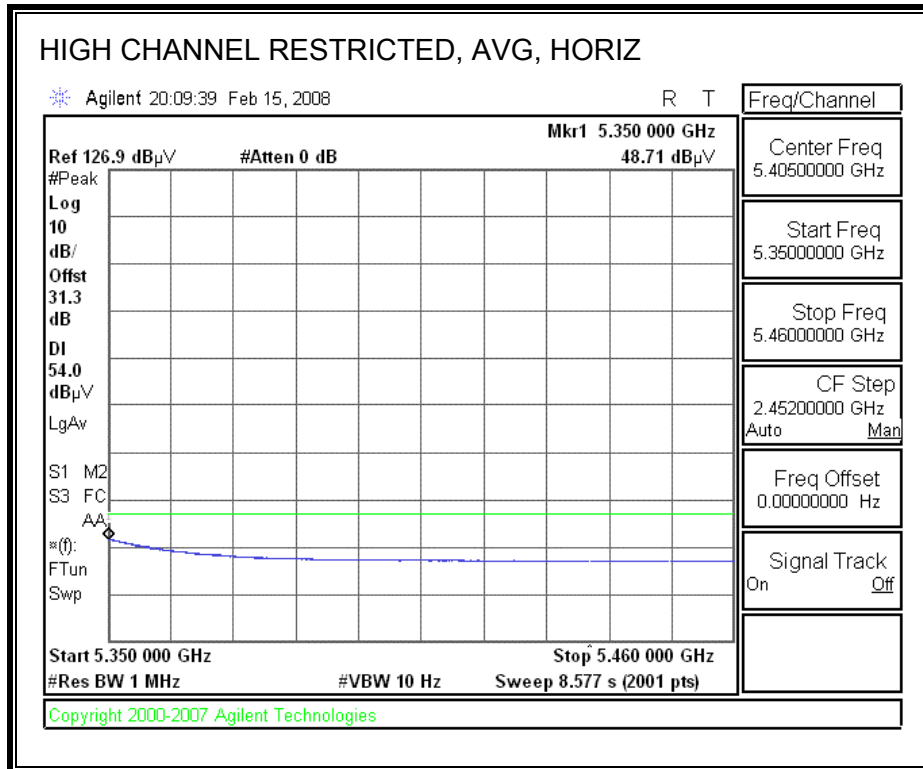
<b>High Frequency Measurement</b>																	
Compliance Certification Services, Fremont 5m Chamber																	
Company: Atheros																	
Project #: 08U11572																	
Date: 2/19/2008																	
Test Engineer: Thanh Nguyen																	
Configuration: EUT w/Extender card, Support Laptop																	
Mode: mode Tx HT20 mode, Upper band.																	
<b>Test Equipment:</b>																	
Horn 1-18GHz			Pre-amplifier 1-26GHz			Pre-amplifier 26-40GHz			Horn > 18GHz			Limit					
T73; S/N: 6717 @3m			T34 HP 8449B			T88 Miteq 26-40GHz			T39-T88 ARA 18-40GHz & Mixer > 40GHz			FCC 15.205					
Hi Frequency Cables																	
2 foot cable			3 foot cable			12 foot cable			HPF			Reject Filter			Peak Measurements RBW=VBW=1MHz Average Measurements RBW=1MHz ; VBW=10Hz		
						A-5m Chamber						R_001					
f GHz	Dist (m)	Read Pk dBuV	Read Avg. dBuV	AF dB/m	CL dB	Amp dB	D Corr dB	Filtr dB	Peak dBuV/m	Avg dBuV/m	Pk Lim dBuV/m	Avg Lim dBuV/m	Pk Mar dB	Avg Mar dB	Notes (V/H)		
<b>Low channel (5260MHz)</b>																	
15.780	1.0	48.1	35.2	37.5	12.8	-32.2	-9.5	0.0	56.6	43.8	74	54	-17.4	-10.2	V		
15.780	1.0	44.0	33.1	37.5	12.8	-32.2	-9.5	0.0	52.6	41.6	74	54	-21.4	-12.4	H		
<b>Mid Channel (5300MHz)</b>																	
10.600	1.0	47.8	36.6	37.1	10.7	-32.6	-9.5	0.0	53.5	42.3	74	54	-20.5	-11.7	V		
15.900	1.0	46.9	34.9	37.2	12.8	-32.1	-9.5	0.0	55.3	43.3	74	54	-18.7	-10.7	V		
10.600	1.0	45.7	33.9	37.1	10.7	-32.6	-9.5	0.0	51.3	39.5	74	54	-22.7	-14.5	H		
15.900	1.0	45.4	33.5	37.2	12.8	-32.1	-9.5	0.0	53.8	41.9	74	54	-20.2	-12.1	H		
<b>High band (5320MHz)</b>																	
10.640	1.0	47.1	35.6	37.1	10.7	-32.6	-9.5	0.0	52.8	41.3	74	54	-21.2	-12.7	V		
15.960	1.0	51.6	39.1	37.1	12.8	-32.1	-9.5	0.0	59.8	47.4	74	54	-14.2	-6.6	V		
10.640	1.0	44.2	31.7	37.1	10.7	-32.6	-9.5	0.0	49.9	37.4	74	54	-24.1	-16.6	H		
15.960	1.0	45.7	35.9	37.1	12.8	-32.1	-9.5	0.0	54.0	44.1	74	54	-20.0	-9.9	H		
Rev. 4.12.7																	
f	Measurement Frequency					Amp	Preamp Gain					Avg Lim	Average Field Strength Limit				
Dist	Distance to Antenna					D Corr	Distance Correct to 3 meters					Pk Lim	Peak Field Strength Limit				
Read	Analyzer Reading					Avg	Average Field Strength @ 3 m					Avg Mar	Margin vs. Average Limit				
AF	Antenna Factor					Peak	Calculated Peak Field Strength					Pk Mar	Margin vs. Peak Limit				
CL	Cable Loss					HPF	High Pass Filter										

### 8.2.6. TRANSMITTER ABOVE 1 GHz FOR 802.11n HT40 MODE IN THE UPPER 5.2 GHz BAND

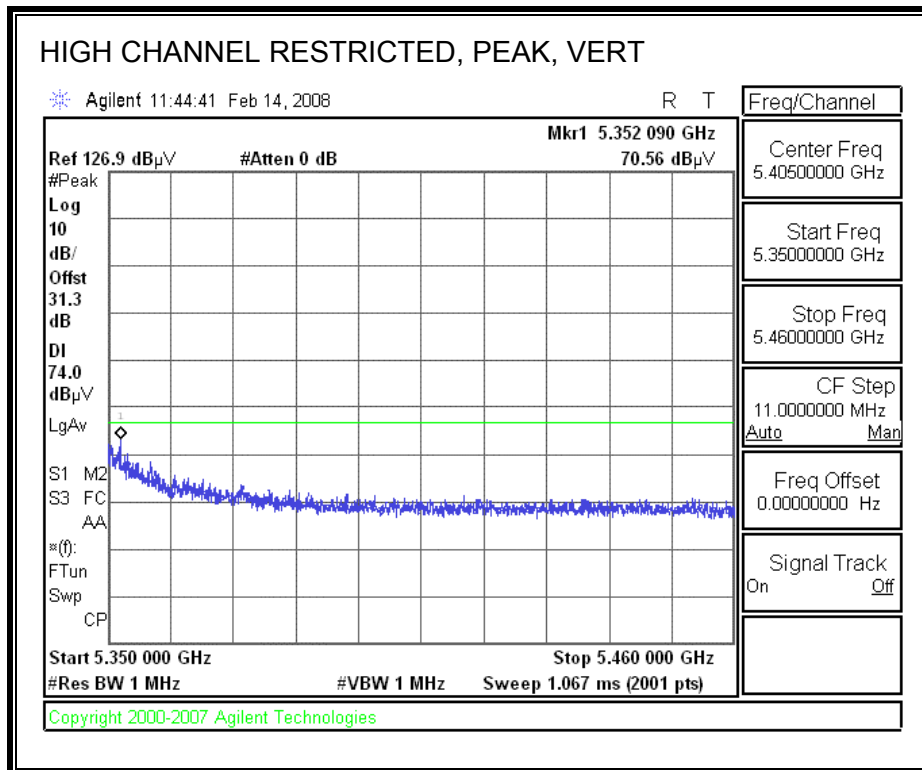
FEM #1

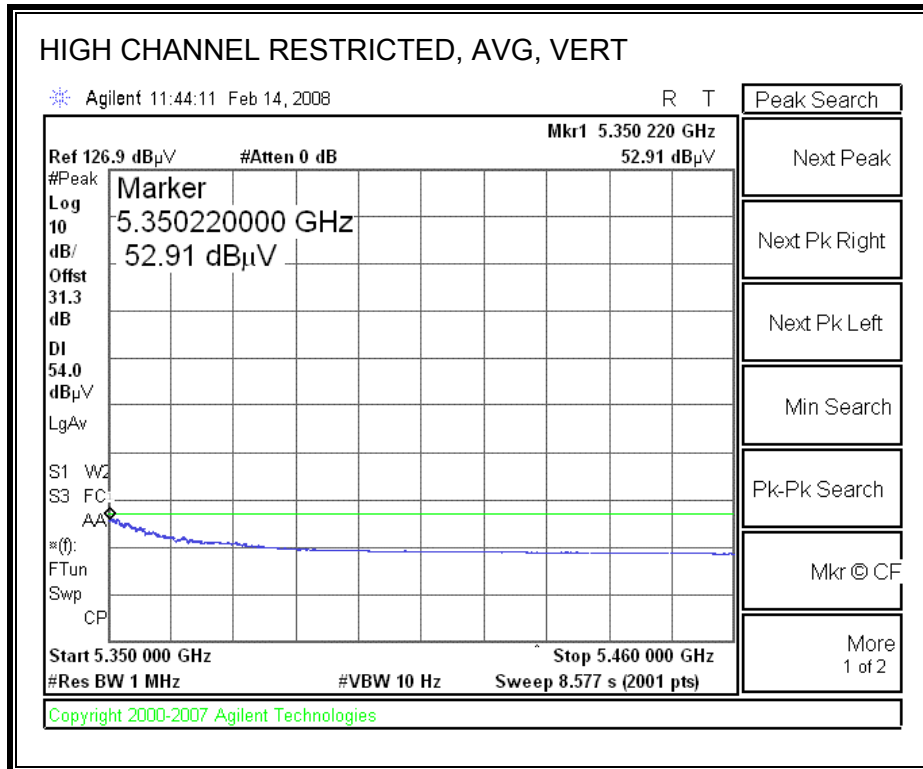
RESTRICTED BANDEDGE (HIGH CHANNEL, HORIZONTAL)





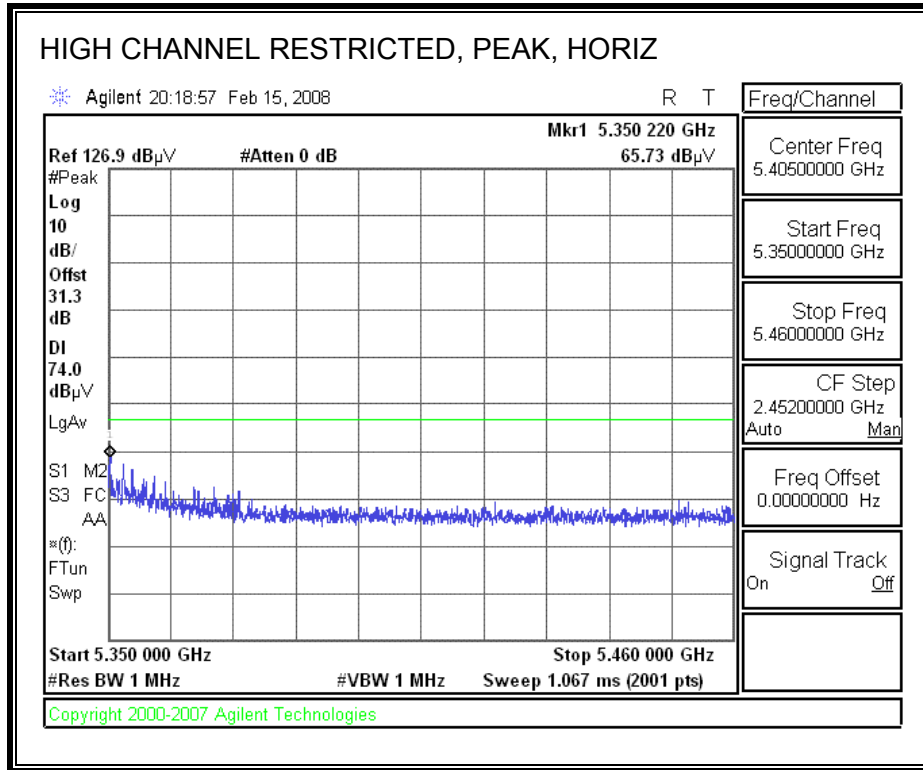
**RESTRICTED BANDEDGE (HIGH CHANNEL, VERTICAL)**



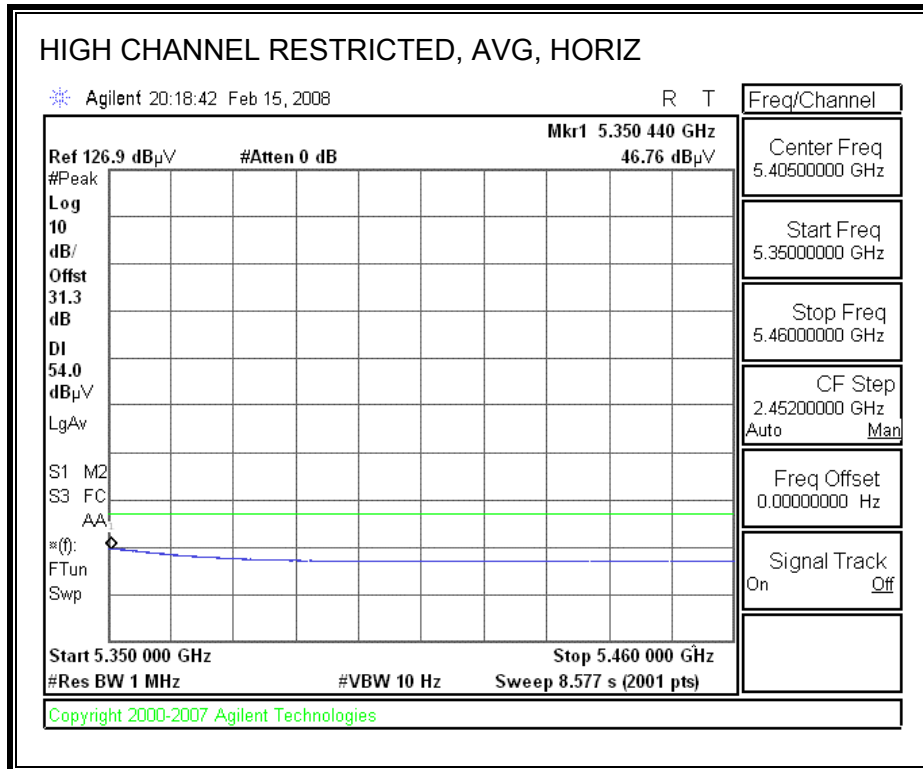


**FEM #2**

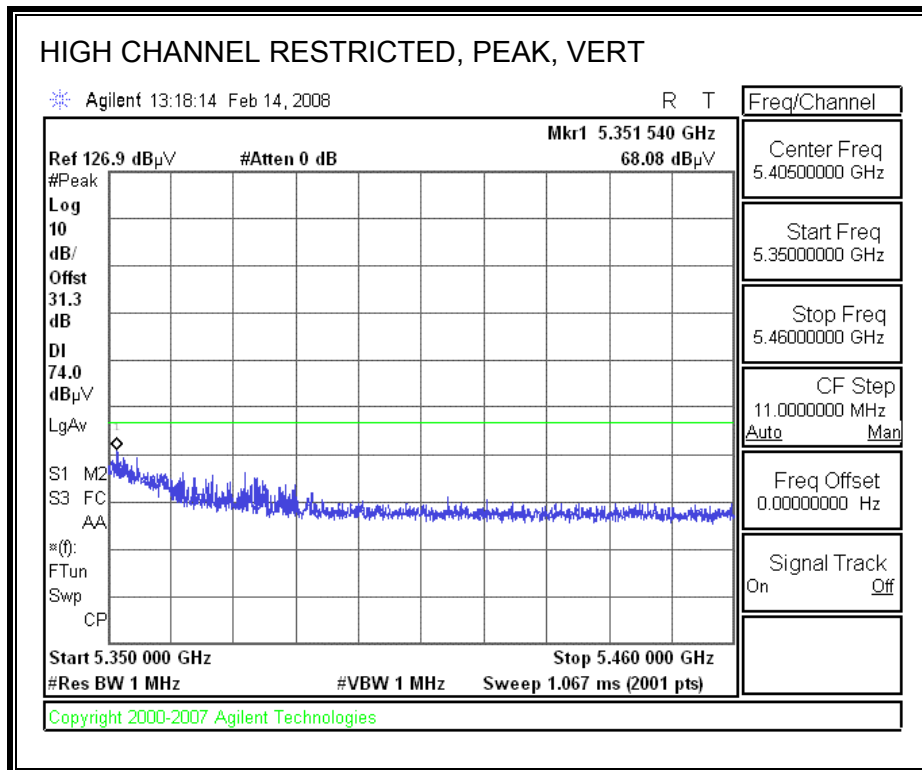
**RESTRICTED BANDEDGE (HIGH CHANNEL, HORIZONTAL)**

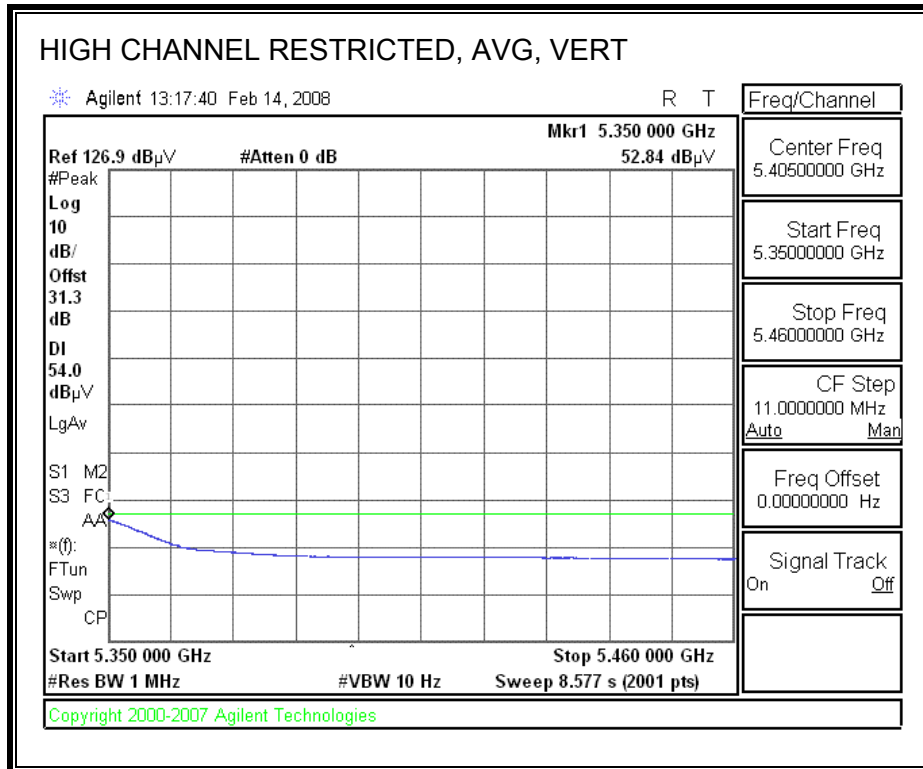






**RESTRICTED BANDEDGE (HIGH CHANNEL, VERTICAL)**





**HARMONICS AND SPURIOUS EMISSIONS**

<b>High Frequency Measurement</b>																	
Compliance Certification Services, Fremont 5m Chamber																	
Company: Atheros																	
Project #: 08U11572																	
Date: 2/19/2008																	
Test Engineer: Thanh Nguyen																	
Configuration: EUT w/Extender card, Support Laptop																	
Mode: mode Tx HT40 mode, Upper band.																	
<b>Test Equipment:</b>																	
Horn 1-18GHz			Pre-amplifier 1-26GHz			Pre-amplifier 26-40GHz			Horn > 18GHz			Limit					
T73; S/N: 6717 @3m			T34 HP 8449B			T88 Miteq 26-40GHz			T39.T88 ARA 18-40GHz & Mixer > 40GHz			FCC 15.205					
Hi Frequency Cables																	
2 foot cable			3 foot cable			12 foot cable			HPF			Reject Filter			Peak Measurements RBW=VBW=1MHz		
						A-5m Chamber						R_001			Average Measurements RBW=1MHz ; VBW=10Hz		
f GHz	Dist (m)	Read Pk dBuV	Read Avg. dBuV	AF dB/m	CL dB	Amp dB	D Corr dB	Filtr dB	Peak dBuV/m	Avg dBuV/m	Pk Lim dBuV/m	Avg Lim dBuV/m	Pk Mar dB	Avg Mar dB	Notes (V/H)		
<b>Low channel (5270MHz)</b>																	
15.810	1.0	41.4	31.6	37.4	12.8	-32.2	-9.5	0.0	49.9	40.1	74	54	-24.1	-13.9	V		
15.810	1.0	41.5	31.3	37.4	12.8	-32.2	-9.5	0.0	50.1	39.8	74	54	-23.9	-14.2	H		
<b>High band (5310MHz)</b>																	
15.930	1.0	40.8	31.5	37.2	12.8	-32.1	-9.5	0.0	49.1	39.8	74	54	-24.9	-14.2	V		
15.930	1.0	41.4	32.6	37.2	12.8	-32.1	-9.5	0.0	49.7	40.9	74	54	-24.3	-13.1	H		
Rev. 4.12.7																	
f	Measurement Frequency					Amp	Preamp Gain					Avg Lim	Average Field Strength Limit				
Dist	Distance to Antenna					D Corr	Distance Correct to 3 meters					Pk Lim	Peak Field Strength Limit				
Read	Analyzer Reading					Avg	Average Field Strength @ 3 m					Avg Mar	Margin vs. Average Limit				
AF	Antenna Factor					Peak	Calculated Peak Field Strength					Pk Mar	Margin vs. Peak Limit				
CL	Cable Loss					HPF	High Pass Filter										

### 8.2.7. TRANSMITTER ABOVE 1 GHz FOR 802.11a MODE IN THE 5.6 GHz BAND

FEM #1

RESTRICTED BANDEDGE (LOW CHANNEL, HORIZONTAL)

