

Product : Intel® Centrino® Advanced-N 6205  
 Test Item : Band Edge Data  
 Test Site : No.3 OATS  
 Test Mode : Mode 2: Transmitter (802.11n-20BW 14.4Mbps) -Channel 100

**Fundamental Filed Strength**

Antenna Pole	Frequency [MHz]	Reading Level [dB(uV)]	Correction Factor [dB/m]	Emission Level [dB(uV/m)]	Detector
Horizontal	5500	37.553	59.73	97.283	Peak
Horizontal	5500	37.553	47.84	85.393	Average
Vertical	5500	37.534	77.34	114.874	Peak
Vertical	5500	37.534	64.1	101.634	Average

Note: 1:Spectrum Analyzer setting:

Peak detector: RBW=1MHz, VBW=1MHz

Average detector: RBW=1MHz, VBW=10Hz

**Band Edge Test Data (Chain A)**

Antenna Pole	Test Frequency (MHz)	Fundamental (dBuV/m)	$\Delta$ (dB)	Band Edge Field Strength (dBuV/m)	Requiptment Limit (dBuV/m)	Detector
Horizontal	5460	97.283	50.926	46.357	74.000	Peak
Horizontal	5460	85.393	54.521	30.872	54.000	Average
Vertical	5460	114.874	50.926	63.948	74.000	Peak
Vertical	5460	101.634	54.521	47.113	54.000	Average

**Band Edge Test Data (Chain B)**

Antenna Pole	Test Frequency (MHz)	Fundamental (dBuV/m)	$\Delta$ (dB)	Band Edge Field Strength (dBuV/m)	Requiptment Limit (dBuV/m)	Detector
Horizontal	5460	97.283	51.172	46.111	74.000	Peak
Horizontal	5460	85.393	54.005	31.388	54.000	Average
Vertical	5460	114.874	51.172	63.702	74.000	Peak
Vertical	5460	101.634	54.005	47.629	54.000	Average

Note:

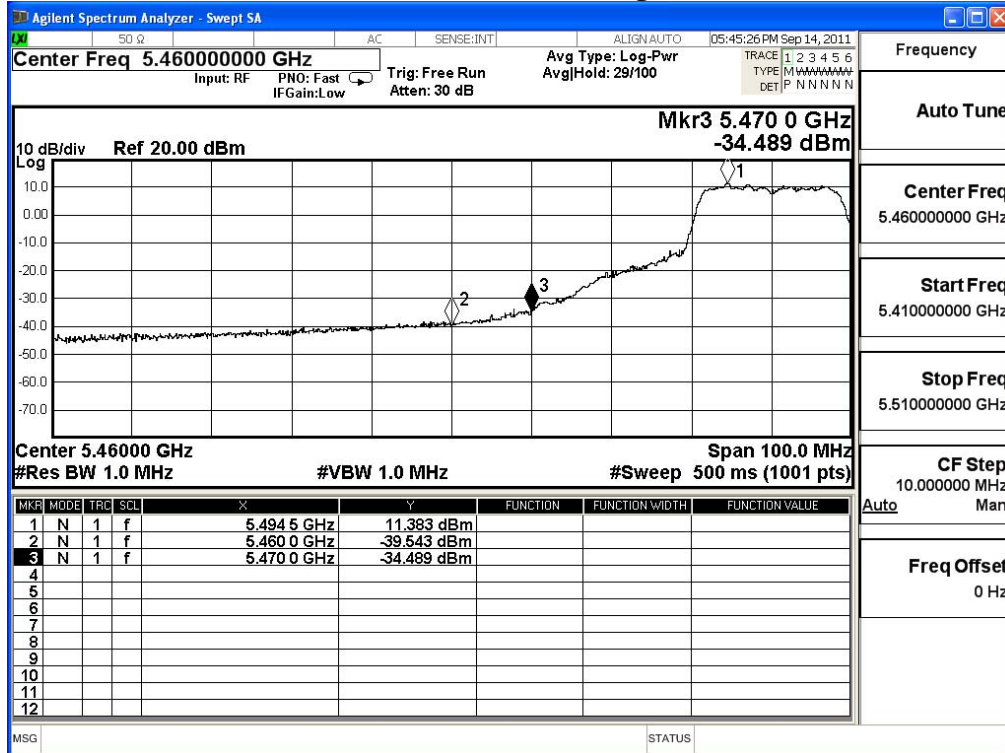
The Band Edge Field Strength was calculated using the Fundamental and Conducted Band Edge measurements per the Marker-Delta Method with the following formula:

Band Edge field Strength = F -  $\Delta$

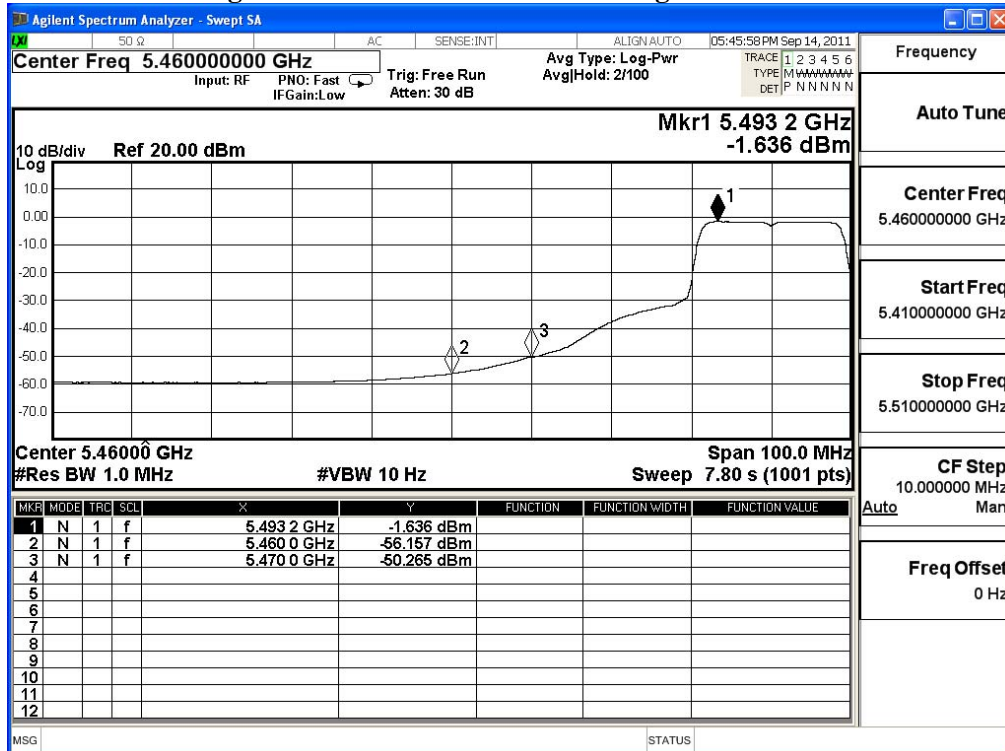
F = Fundamental field Strength (Peak or Average)

$\Delta$  = Conducted Band Edge Delta (Peak or Average)

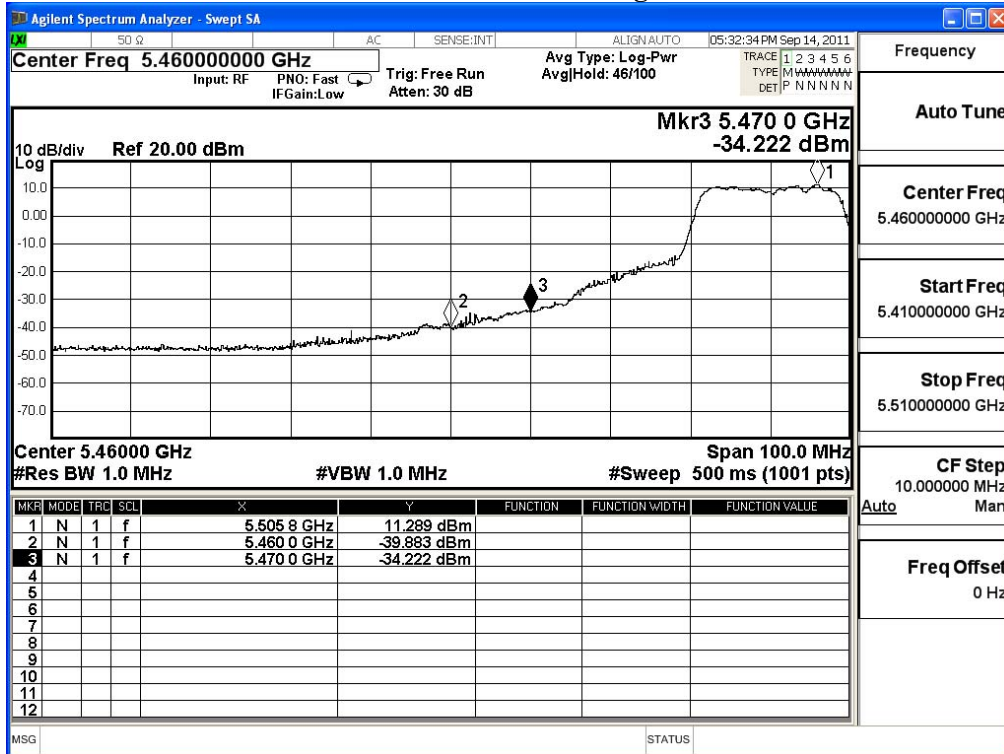
### Peak Detector of conducted Band Edge Delta-Chain A



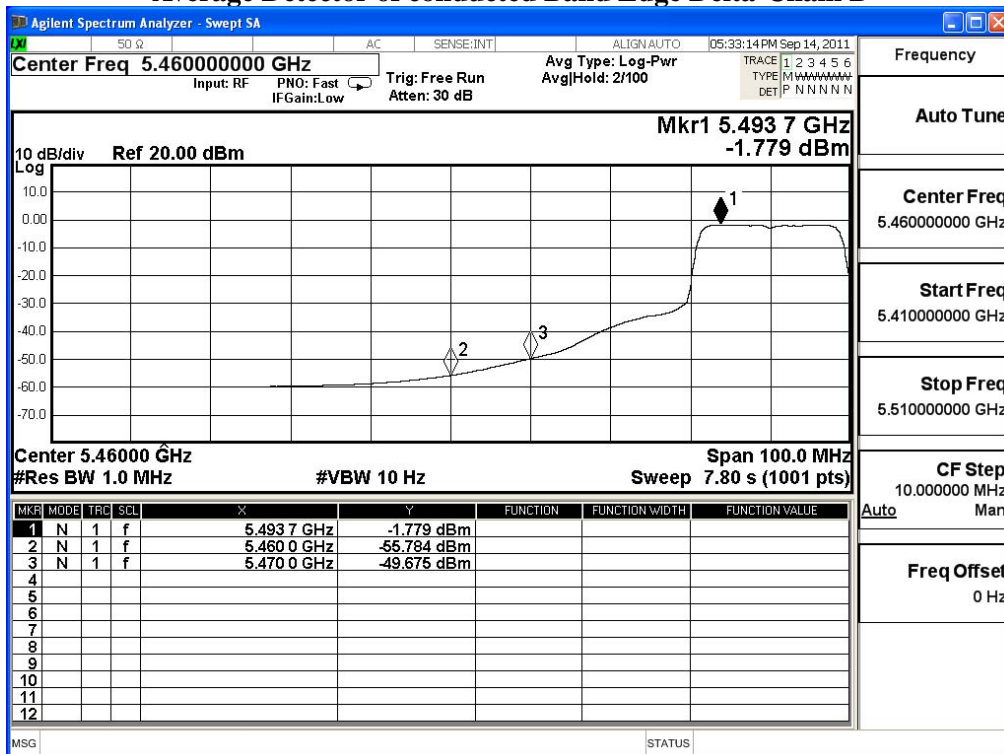
### Average Detector of conducted Band Edge Delta-Chain A



**Peak Detector of conducted Band Edge Delta-Chain B**



**Average Detector of conducted Band Edge Delta-Chain B**



Product : Intel® Centrino® Advanced-N 6205  
 Test Item : Band Edge Data  
 Test Site : No.3 OATS  
 Test Mode : Mode 2: Transmitter (802.11n-20BW 14.4Mbps) -Channel 100

**RF Radiated Measurement:**

	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBm)	Measure Level (dBm/m)	Margin (dB)	Limit (dBm/m)	Result
Horizontal	5470.000	13.958	-66.670	-52.712	-25.712	-27.000	Pass

	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBm)	Measure Level (dBm/m)	Margin (dB)	Limit (dBm/m)	Result
Vertical	5470.000	14.324	-58.290	-43.966	-16.966	-27.000	Pass

Product : Intel® Centrino® Advanced-N 6205  
 Test Item : Band Edge Data  
 Test Site : No.3 OATS  
 Test Mode : Mode 2: Transmitter (802.11n-20BW 14.4Mbps) -Channel 140

**RF Radiated Measurement:**

	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBm)	Measure Level (dBm/m)	Margin (dB)	Limit (dBm/m)	Result
Horizontal	5725.000	12.135	-64.720	-52.585	-25.585	-27.000	Pass

	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBm)	Measure Level (dBm/m)	Margin (dB)	Limit (dBm/m)	Result
Vertical	5725.000	12.243	-56.470	-44.227	-17.227	-27.000	Pass

Product : Intel® Centrino® Advanced-N 6205  
 Test Item : Band Edge Data  
 Test Site : No.3 OATS  
 Test Mode : Mode 3: Transmitter (802.11n-40BW 30Mbps) -Channel 38

**Fundamental Filed Strength**

Antenna Pole	Frequency [MHz]	Reading Level [dBuV]	Correction Factor [dB/m]	Emission Level [dBuV/m]	Detector
Horizontal	5190	35.936	56.19	92.125	Peak
Horizontal	5190	35.936	43.27	79.205	Average
Vertical	5190	36.794	70.54	107.333	Peak
Vertical	5190	36.794	57.18	93.973	Average

Note: 1: Spectrum Analyzer setting:

Peak detector: RBW=1MHz, VBW=1MHz

Average detector: RBW=1MHz, VBW=30Hz

**Band Edge Test Data (Chain A)**

Antenna Pole	Test Frequency (MHz)	Fundamental (dBuV/m)	$\Delta$ (dB)	Band Edge Field Strength (dBuV/m)	Requiment Limit (dBuV/m)	Detector
Horizontal	5150	92.125	38.562	53.563	74.000	Peak
Horizontal	5150	79.205	40.264	38.941	54.000	Average
Vertical	5150	107.333	38.562	68.771	74.000	Peak
Vertical	5150	93.973	40.264	53.709	54.000	Average

**Band Edge Test Data (Chain B)**

Antenna Pole	Test Frequency (MHz)	Fundamental (dBuV/m)	$\Delta$ (dB)	Band Edge Field Strength (dBuV/m)	Requiment Limit (dBuV/m)	Detector
Horizontal	5148.3	92.125	37.005	55.12	74.000	Peak
Horizontal	5150	79.205	40.114	39.091	54.000	Average
Vertical	5148.3	107.333	37.005	70.328	74.000	Peak
Vertical	5150	93.973	40.114	53.859	54.000	Average

Note:

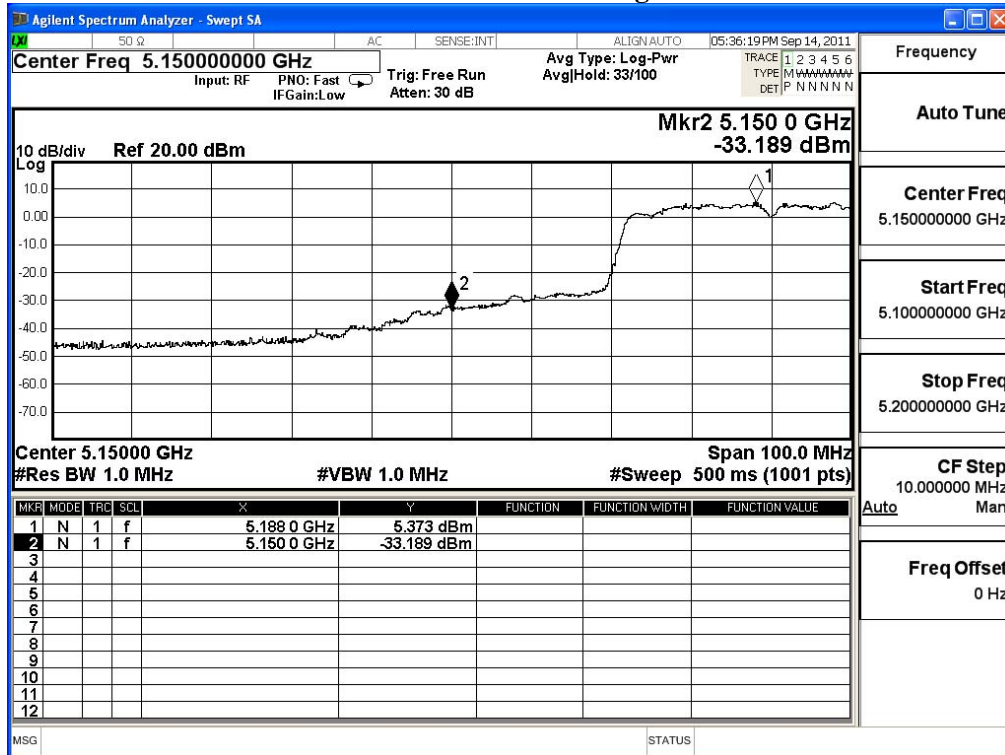
The Band Edge Field Strength was calculated using the Fundamental and Conducted Band Edge measurements per the Marker-Delta Method with the following formula:

Band Edge field Strength = F -  $\Delta$

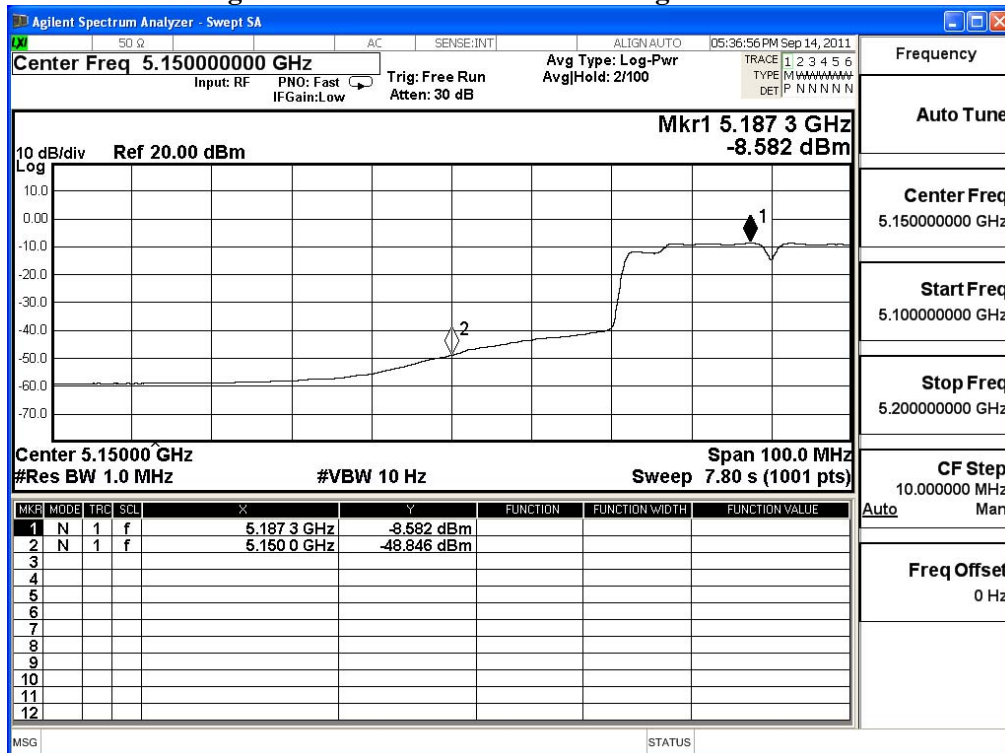
F = Fundamental field Strength (Peak or Average)

$\Delta$  = Conducted Band Edge Delta (Peak or Average)

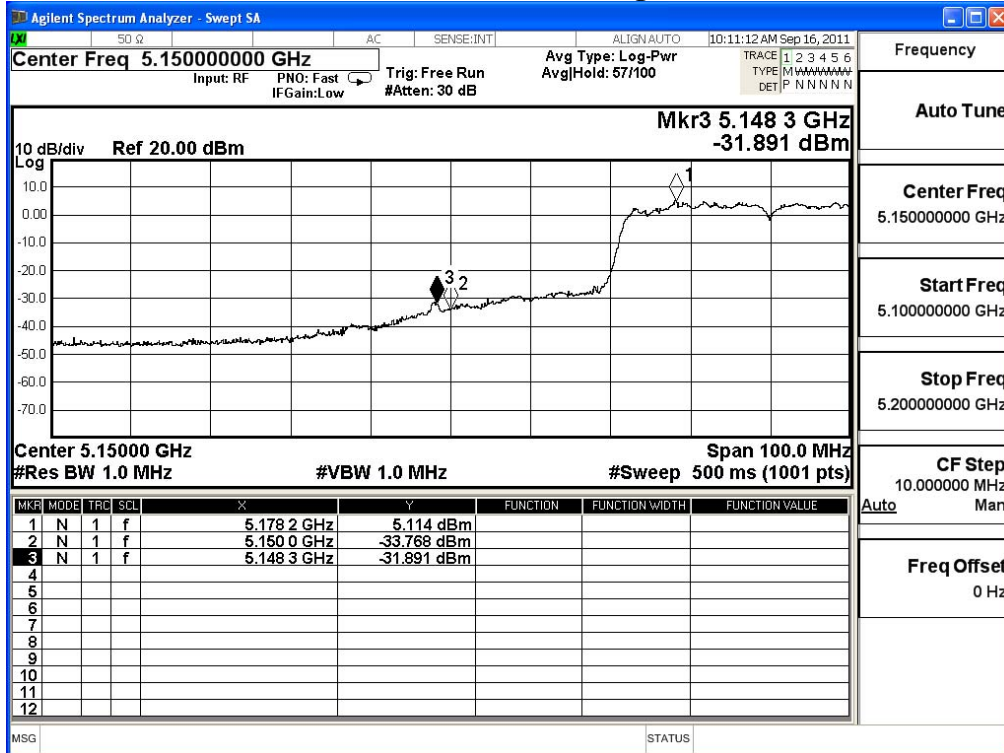
### Peak Detector of conducted Band Edge Delta-Chain A



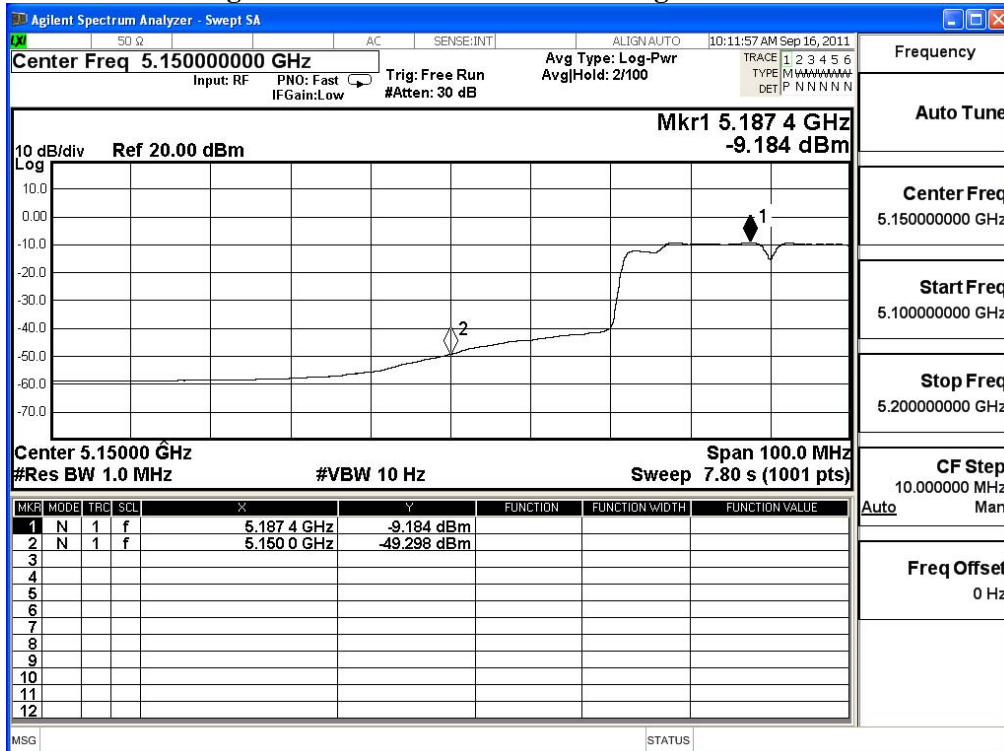
### Average Detector of conducted Band Edge Delta-Chain A



### Peak Detector of conducted Band Edge Delta-Chain B



### Average Detector of conducted Band Edge Delta-Chain B



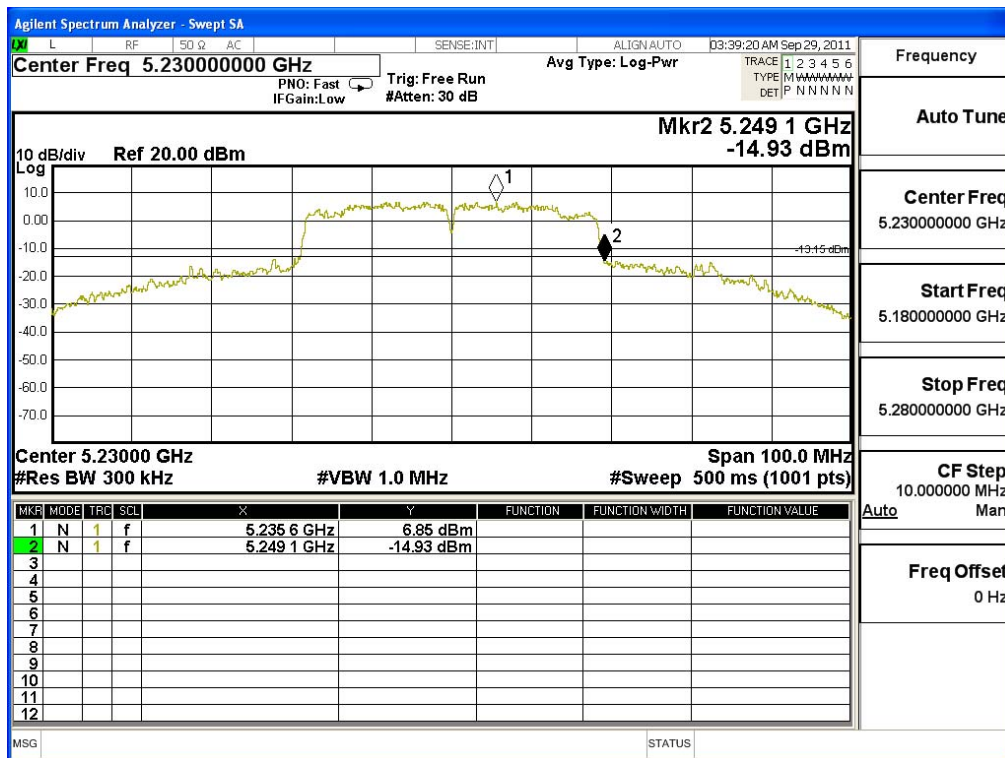


Product : Intel® Centrino® Advanced-N 6205  
 Test Item : Band Edge Data  
 Test Site : No.3 OATS  
 Test Mode : Mode 2: Transmitter (802.11n-20BW 14.4Mbps)-Channel 48

**Chain A**

Test Frequency (MHz)	Measurement Level (20dB BW) (MHz)	Limit (MHz)	Result
5230	5249.1	<5250	PASS

NOTE: Accordance with 15.215 requirement.

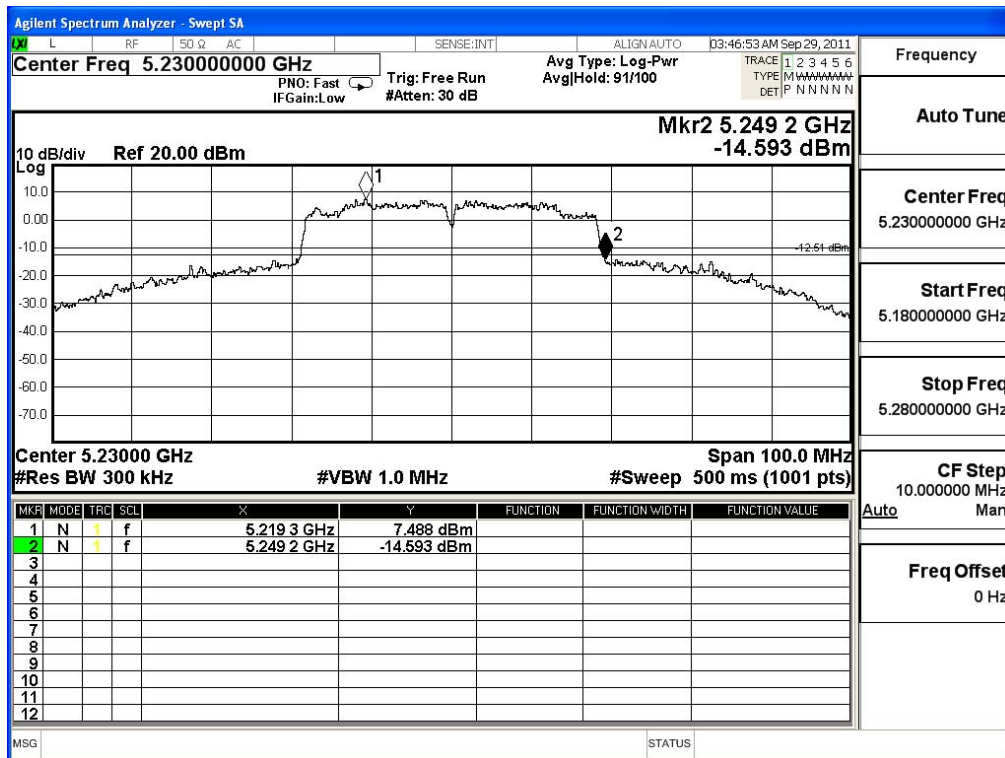


Product : Intel® Centrino® Advanced-N 6205  
 Test Item : Band Edge Data  
 Test Site : No.3 OATS  
 Test Mode : Mode 2: Transmitter (802.11n-20BW 14.4Mbps)-Channel 48

**Chain B**

Test Frequency (MHz)	Measurement Level (20dB BW) (MHz)	Limit (MHz)	Result
5230	5249.2	<5250	PASS

NOTE: Accordance with 15.215 requirement.

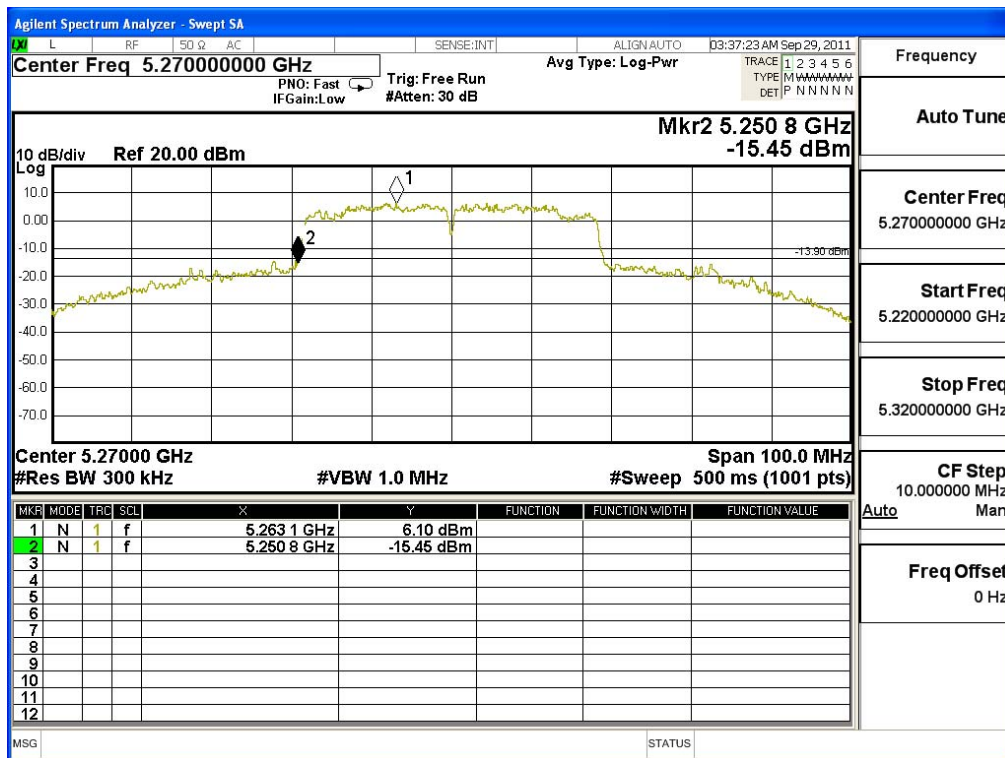


Product : Intel® Centrino® Advanced-N 6205  
 Test Item : Band Edge Data  
 Test Site : No.3 OATS  
 Test Mode : Mode 2: Transmitter (802.11n-20BW 14.4Mbps)-Channel 52

**Chain A**

Test Frequency (MHz)	Measurement Level (20dB BW) (MHz)	Limit (MHz)	Result
5270	5250.8	>5250	PASS

NOTE: Accordance with 15.215 requirement.

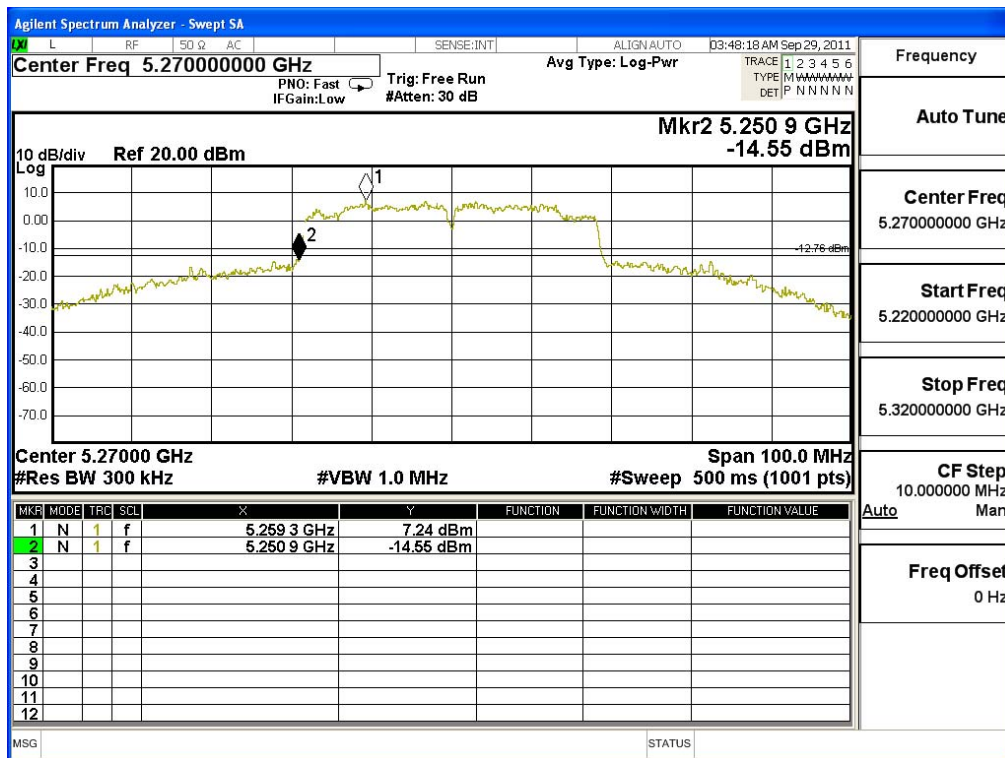


Product : Intel® Centrino® Advanced-N 6205  
 Test Item : Band Edge Data  
 Test Site : No.3 OATS  
 Test Mode : Mode 2: Transmitter (802.11n-20BW 14.4Mbps)-Channel 52

**Chain B**

Test Frequency (MHz)	Measurement Level (20dB BW) (MHz)	Limit (MHz)	Result
5270	5250.9	>5250	PASS

NOTE: Accordance with 15.215 requirement.



Product : Intel® Centrino® Advanced-N 6205  
 Test Item : Band Edge Data  
 Test Site : No.3 OATS  
 Test Mode : Mode 3: Transmitter (802.11n-40BW 30Mbps) -Channel 62

**Fundamental Filed Strength**

Antenna Pole	Frequency [MHz]	Reading Level [dB(uV)]	Correction Factor [dB/m]	Emission Level [dB(uV/m)]	Detector
Horizontal	5310	36.572	55.42	91.992	Peak
Horizontal	5310	36.572	42.67	79.242	Average
Vertical	5310	36.789	71.97	108.759	Peak
Vertical	5310	36.789	58.49	95.279	Average

Note: 1:Spectrum Analyzer setting:

Peak detector: RBW=1MHz, VBW=1MHz

Average detector: RBW=1MHz, VBW=30Hz

**Band Edge Test Data (Chain A)**

Antenna Pole	Test Frequency (MHz)	Fundamental (dBuV/m)	$\Delta$ (dB)	Band Edge Field Strength (dBuV/m)	Requiment Limit (dBuV/m)	Detector
Horizontal	5350	91.992	42.457	49.535	74.000	Peak
Horizontal	5350	79.242	42.798	36.444	54.000	Average
Vertical	5350	108.759	42.457	66.302	74.000	Peak
Vertical	5350	95.279	42.798	52.481	54.000	Average

**Band Edge Test Data (Chain B)**

Antenna Pole	Test Frequency (MHz)	Fundamental (dBuV/m)	$\Delta$ (dB)	Band Edge Field Strength (dBuV/m)	Requiment Limit (dBuV/m)	Detector
Horizontal	5350	91.992	44.095	47.897	74.000	Peak
Horizontal	5350	79.242	43.185	36.057	54.000	Average
Vertical	5350	108.759	44.095	64.664	74.000	Peak
Vertical	5350	95.279	43.185	52.094	54.000	Average

Note:

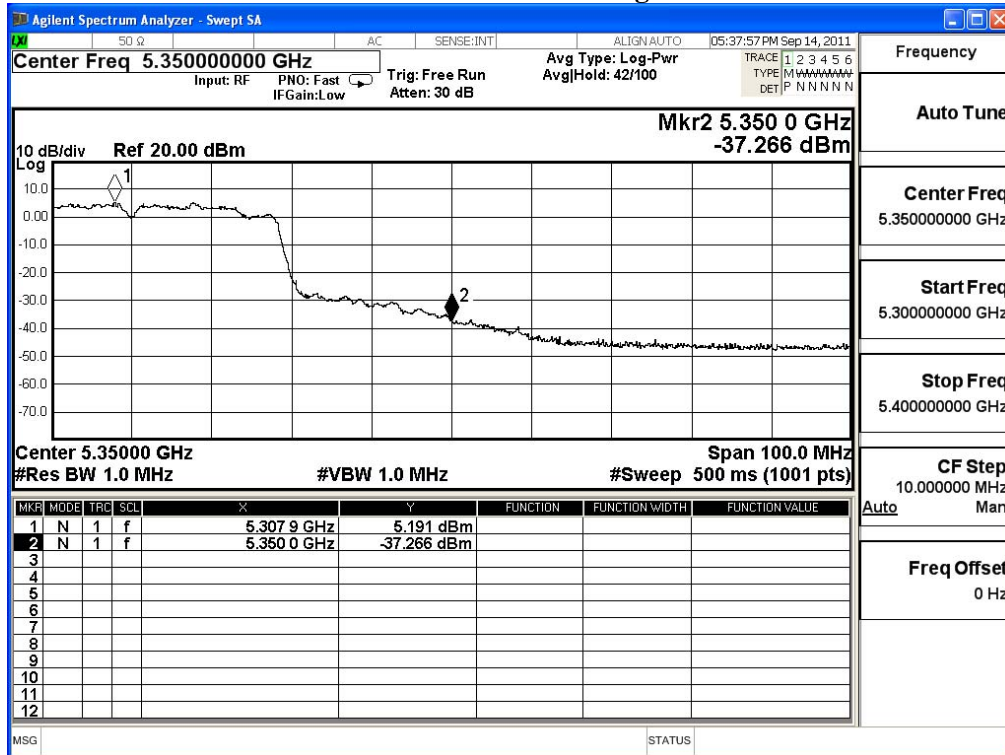
The Band Edge Field Strength was calculated using the Fundamental and Conducted Band Edge measurements per the Marker-Delta Method with the following formula:

Band Edge field Strength = F -  $\Delta$

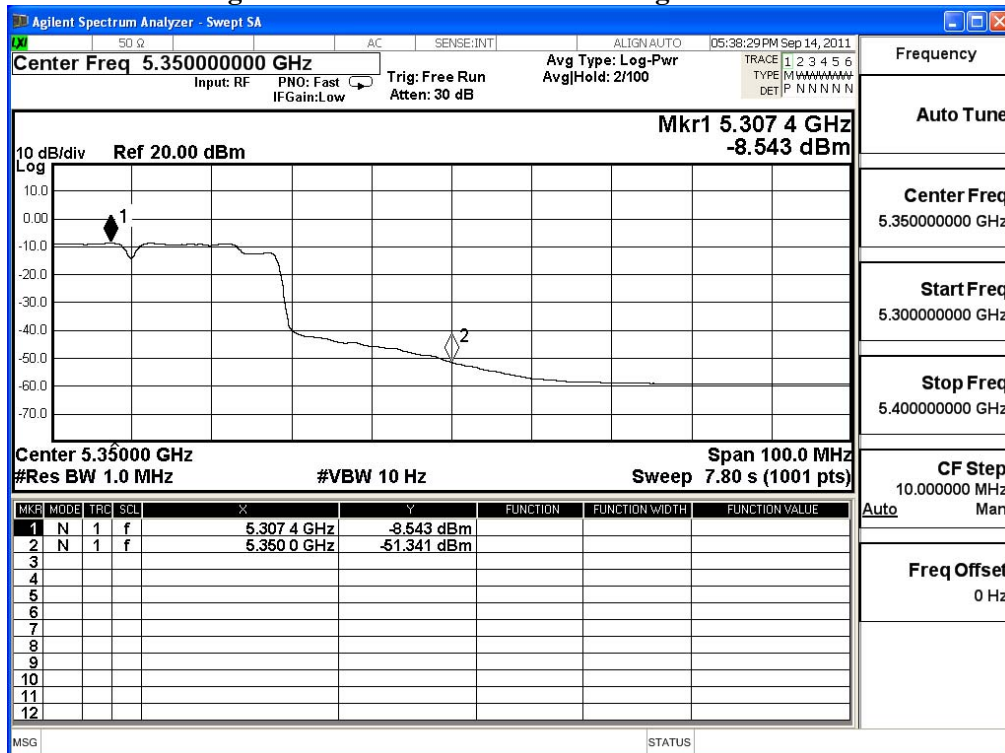
F = Fundamental field Strength (Peak or Average)

$\Delta$  = Conducted Band Edge Delta (Peak or Average)

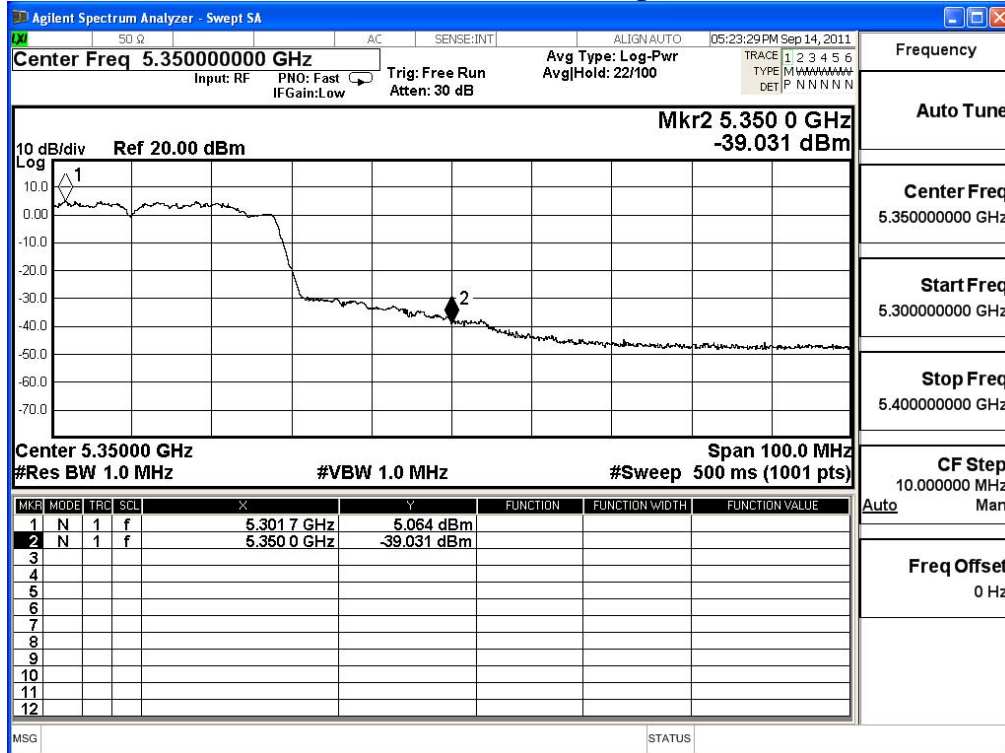
### Peak Detector of conducted Band Edge Delta-Chain A



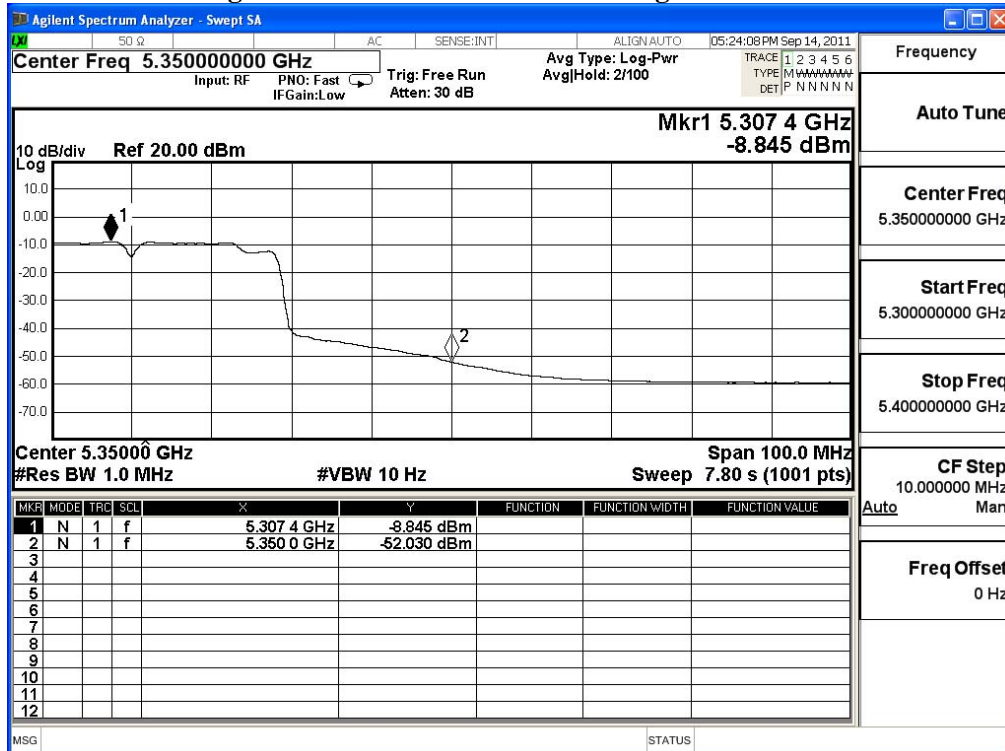
### Average Detector of conducted Band Edge Delta-Chain A



### Peak Detector of conducted Band Edge Delta-Chain B



### Average Detector of conducted Band Edge Delta-Chain B





Product : Intel® Centrino® Advanced-N 6205  
 Test Item : Band Edge Data  
 Test Site : No.3 OATS  
 Test Mode : Mode 3: Transmitter (802.11n-40BW 30Mbps) -Channel 102

**Fundamental Filed Strength**

Antenna Pole	Frequency [MHz]	Reading Level [dB(uV)]	Correction Factor [dB/m]	Emission Level [dB(uV/m)]	Detector
Horizontal	5510	37.596	58.23	95.826	Peak
Horizontal	5510	37.596	44.97	82.566	Average
Vertical	5510	37.565	72.41	109.975	Peak
Vertical	5510	37.565	59.04	96.605	Average

Note: 1: Spectrum Analyzer setting:

Peak detector: RBW=1MHz, VBW=1MHz

Average detector: RBW=1MHz, VBW=30Hz

**Band Edge Test Data (Chain A)**

Antenna Pole	Test Frequency (MHz)	Fundamental (dBuV/m)	$\Delta$ (dB)	Band Edge Field Strength (dBuV/m)	Requiment Limit (dBuV/m)	Detector
Horizontal	5460	95.826	40.782	55.044	74.000	Peak
Horizontal	5460	82.566	43.944	38.622	54.000	Average
Vertical	5460	109.975	40.782	69.193	74.000	Peak
Vertical	5460	96.605	43.944	52.661	54.000	Average

**Band Edge Test Data (Chain B)**

Antenna Pole	Test Frequency (MHz)	Fundamental (dBuV/m)	$\Delta$ (dB)	Band Edge Field Strength (dBuV/m)	Requiment Limit (dBuV/m)	Detector
Horizontal	5457.7	95.826	42.235	53.591	74.000	Peak
Horizontal	5460	82.566	43.601	38.965	54.000	Average
Vertical	5457.7	109.975	42.235	67.74	74.000	Peak
Vertical	5460	96.605	43.601	53.004	54.000	Average

Note:

The Band Edge Field Strength was calculated using the Fundamental and Conducted Band Edge measurements per the Marker-Delta Method with the following formula:

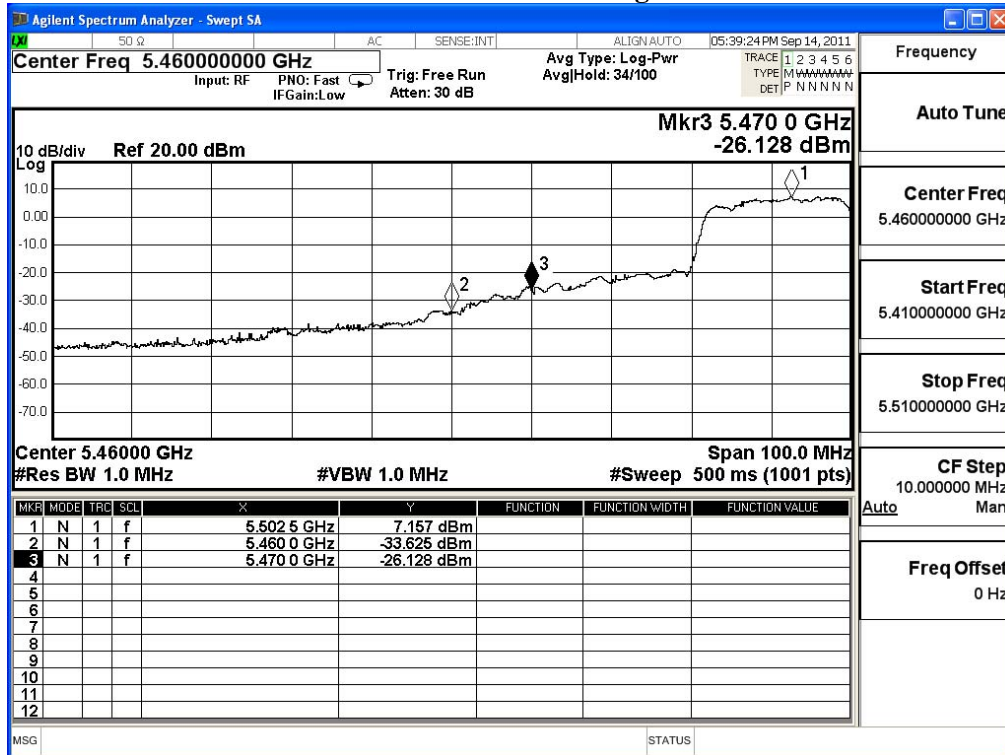
Band Edge field Strength = F -  $\Delta$

F = Fundamental field Strength (Peak or Average)

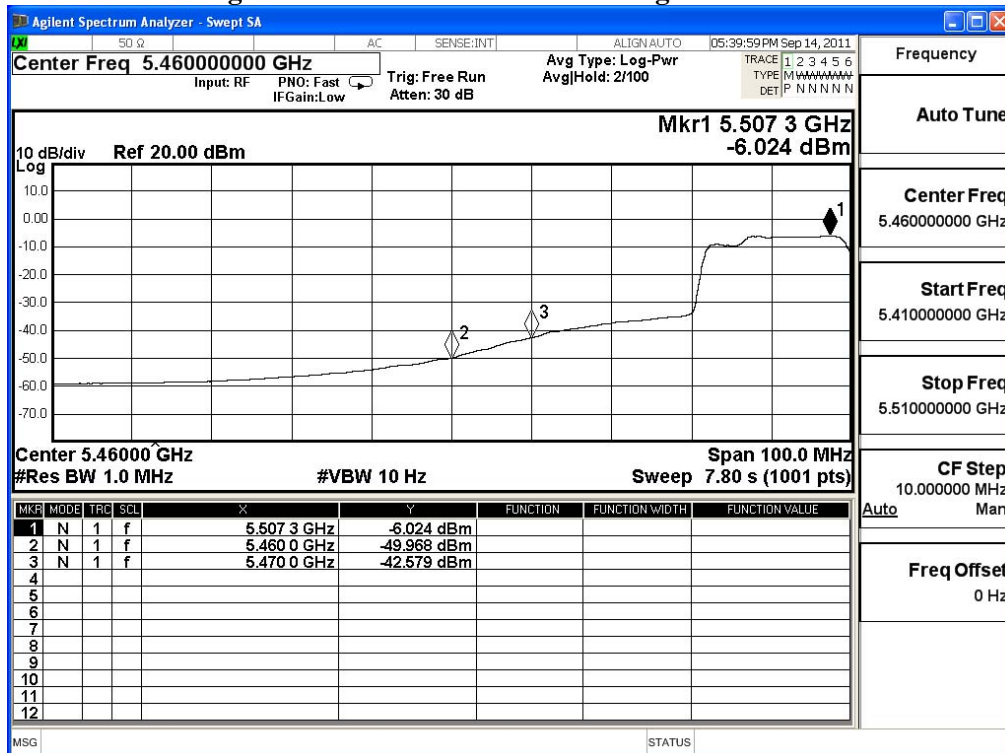
$\Delta$  = Conducted Band Edge Delta (Peak or Average)



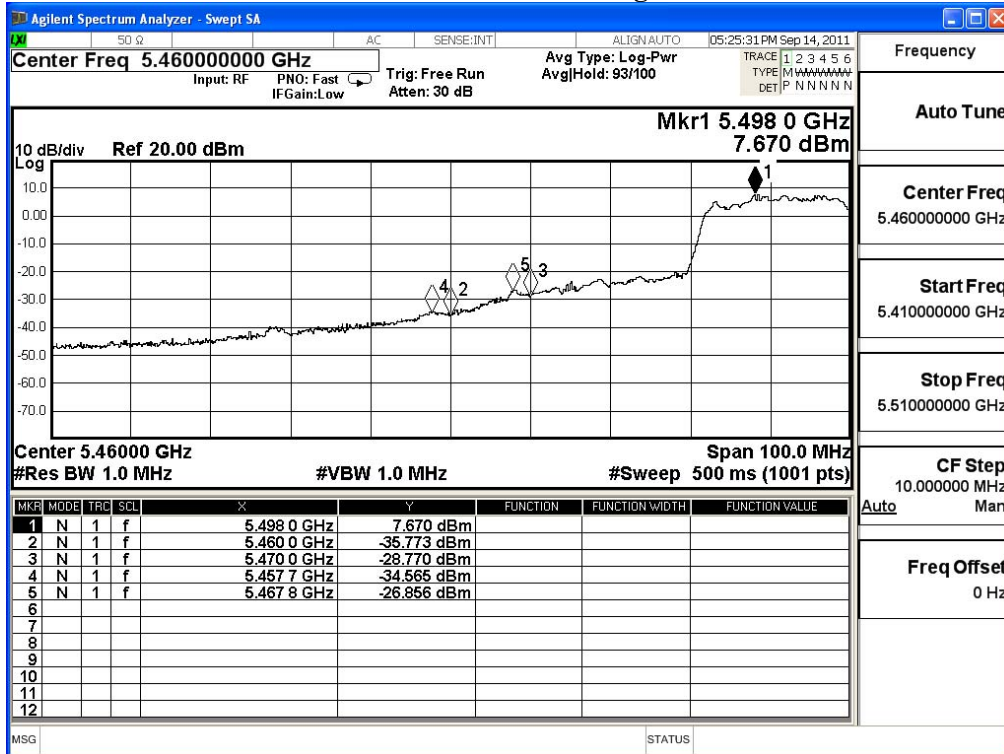
### Peak Detector of conducted Band Edge Delta-Chain A



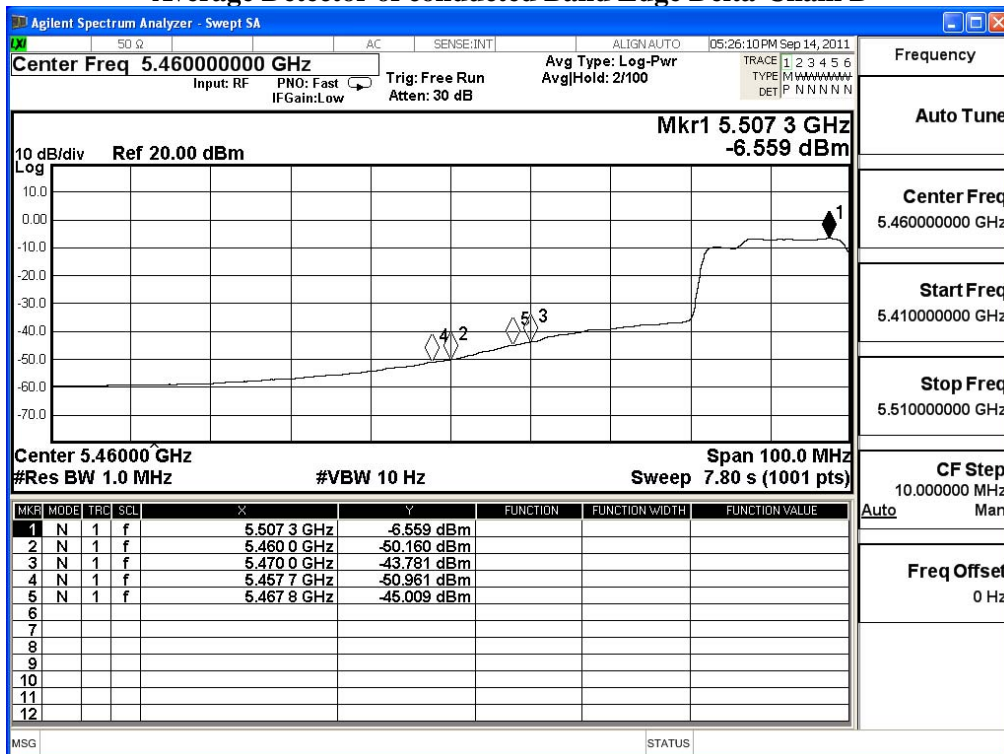
### Average Detector of conducted Band Edge Delta-Chain A



**Peak Detector of conducted Band Edge Delta-Chain B**



**Average Detector of conducted Band Edge Delta-Chain B**



Product : Intel® Centrino® Advanced-N 6205  
 Test Item : Band Edge Data  
 Test Site : No.3 OATS  
 Test Mode : Mode 3: Transmitter (802.11n-40BW 30Mbps) -Channel 102

**RF Radiated Measurement:**

	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBm)	Measure Level (dBm/m)	Margin (dB)	Limit (dBm/m)	Result
Horizontal	5470.000	13.958	-64.390	-50.432	-23.432	-27.000	Pass

	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBm)	Measure Level (dBm/m)	Margin (dB)	Limit (dBm/m)	Result
Vertical	5470.000	14.324	-57.720	-43.396	-16.396	-27.000	Pass

Product : Intel® Centrino® Advanced-N 6205  
 Test Item : Band Edge Data  
 Test Site : No.3 OATS  
 Test Mode : Mode 3: Transmitter (802.11n-40BW 30Mbps) -Channel 134

**RF Radiated Measurement:**

	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBm)	Measure Level (dBm/m)	Margin (dB)	Limit (dBm/m)	Result
Horizontal	5725.000	12.135	-65.730	-53.595	-26.595	-27.000	Pass

	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBm)	Measure Level (dBm/m)	Margin (dB)	Limit (dBm/m)	Result
Vertical	5725.000	12.243	-58.040	-45.797	-18.797	-27.000	Pass

## 5. EMI Reduction Method During Compliance Testing

No modification was made during testing.

## Attachment 1: EUT Test Photographs

## Attachment 2: EUT Detailed Photographs