



Test Report

Product Name	802.11 a/b/g/n, 2.4G/5G 3T3R Wireless Module
Model No	WN6508A
FCC ID	PPQ-WN6508A

Applicant	LITE-ON TECHNOLOGY CORP.
Address	4F, 90, Chien 1 Road, Chung Ho, Taipei Hsien 235, Taiwan, R.O.C.

Date of Receipt	June 01, 2012
Issued Date	June 07, 2012
Report No.	126112R-RFUSP32V01
Report Version	V1.0



The test results relate only to the samples tested.

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Test Report Certification

Issued Date: June 07, 2012

Report No.: 126112R-RFUSP32V01



Product Name	802.11 a/b/g/n, 2.4G/5G 3T3R Wireless Module
Applicant	LITE-ON TECHNOLOGY CORP.
Address	4F, 90, Chien 1 Road, Chung Ho, Taipei Hsien 235, Taiwan, R.O.C.
Manufacturer	DONG GUAN G-COM COMPUTER CO., LTD
Model No.	WN6508A
FCC ID.	PPQ-WN6508A
EUT Rated Voltage	DC 3.3V (Power by PCI Express)
EUT Test Voltage	AC 120V/60Hz
Trade Name	LITE-ON
Applicable Standard	FCC CFR Title 47 Part 15 Subpart E: 2010 ANSI C63.4: 2003; FCC KDB-789033
Test Result	Complied

The Test Results relate only to the samples tested.

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(Assistant Engineer / Vincent Chu)

Approved By : [Signature]
(Manager / Vincent Lin)

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1. GENERAL INFORMATION

1.1. EUT Description

Product Name	802.11 a/b/g/n, 2.4G/5G 3T3R Wireless Module
Trade Name	LITE-ON
FCC ID.	PPQ-WN6508A
Model No.	WN6508A
Frequency Range	802.11a/n-20MHz: 5180-5240MHz, 5260-5320MHz, 5500-5580MHz, 5660-5700MHz 802.11n-40MHz: 5190-5230MHz, 5270-5310MHz, 5510-5590MHz, 5670MHz-5795MHz
Number of Channels	802.11b/g/n-20MHz: 11, n-40MHz: 7 802.11a/n-20MHz: 16, n-40MHz: 9
Data Rate	802.11a/g: 6-54Mbps, 802.11n: up to 450Mbps
Channel Control	Auto
Type of Modulation	802.11a/n:OFDM, BPSK, QPSK, 16QAM, 64QAM
Antenna type	Dipole
Antenna Gain	Refer to the table "Antenna List"

Antenna List

No.	Manufacturer	Part No.	Peak Gain
1	TONGYU	TT-245802-601	2.15 dBi in 2.4 GHz 3.00 dBi in 5GHz

Note: The antenna of EUT is conform to FCC 15.203

802.11a/n-20MHz Center Working Frequency of Each Channel:

Channel	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency
Channel 36:	5180 MHz	Channel 40:	5200 MHz	Channel 44:	5220 MHz	Channel 48:	5240 MHz
Channel 52:	5260 MHz	Channel 56:	5280 MHz	Channel 60:	5300 MHz	Channel 64:	5320 MHz
Channel 100:	5500 MHz	Channel 104:	5520 MHz	Channel 108:	5540 MHz	Channel 112:	5560 MHz
Channel 116:	5580 MHz	Channel 132:	5660 MHz	Channel 136:	5680 MHz	Channel 140:	5700 MHz

802.11n-40MHz Center Working Frequency of Each Channel:

Channel	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency
Channel 38:	5190 MHz	Channel 46:	5230 MHz	Channel 54:	5270 MHz	Channel 62:	5310 MHz
Channel 102:	5510 MHz	Channel 110:	5550 MHz	Channel 134:	5670 MHz	Channel 151:	5755 MHz
Channel 159:	5795 MHz						

Note:

1. This device is a 802.11 a/b/g/n, 2.4G/5G 3T3R Wireless Module with a built-in WLAN transceiver.
2. Regarding to the operation frequency, the lowest, middle and highest frequency are selected to perform the test. Lowest and highest data rates are tested in each mode. Only worst case is shown in the report. (802.11a is 6Mbps, 802.11n-20BW is 21.7Mbps and 802.11n-40BW are 45Mbps)
3. These tests were conducted on a sample of the equipment for the purpose of demonstrating compliance with Part 15 Subpart E for Unlicensed National Information Infrastructure devices.

Test Mode	Mode 1: Transmitter (802.11a-6Mbps) Mode 2: Transmitter (802.11n-20BW 21.7Mbps) Mode 3: Transmitter (802.11n-40BW 45Mbps)
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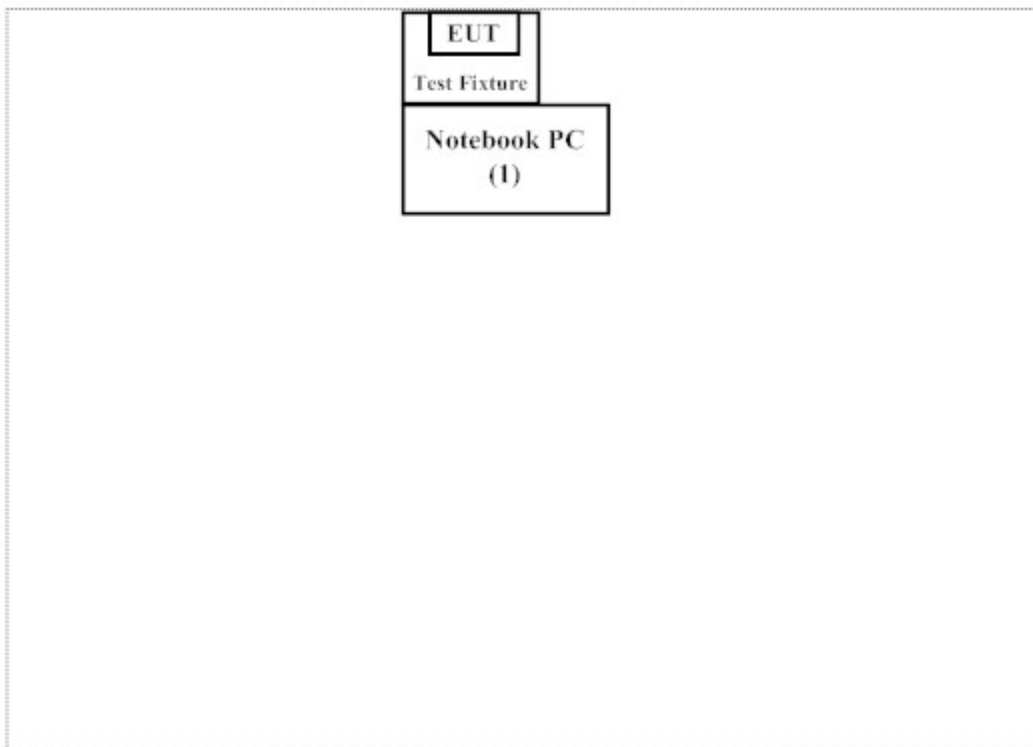
1.3. Tested System Details

The types for all equipment, plus descriptions of all cables used in the tested system (including inserted cards) are:

Product	Manufacturer	Model No.	Serial No.	Power Cord
(1) Notebook PC	DELL	PPT	N/A	Non-Shielded, 0.8m
(2) Test Fixture	LITE-ON	N/A	N/A	N/A

Signal Cable Type	Signal cable Description
N/A	

1.4. Configuration of tested System



1.5. EUT Exercise Software

- (1) Setup the EUT as shown in Section 1.4
- (2) Execute “Art2.exe” program on the Notebook
- (3) Configure the test mode, the test channel, and the data rate.
- (4) Press “OK” to start the continuous transmission.
- (5) Verify that the EUT works properly.

1.6. Test Facility

Ambient conditions in the laboratory:

Items	Required (IEC 68-1)	Actual
Temperature (°C)	15-35	20-35
Humidity (%RH)	25-75	50-65
Barometric pressure (mbar)	860-1060	950-1000

The related certificate for our laboratories about the test site and management system can be downloaded from Quietek Corporation's Web Site : <http://tw.quietek.com/modules/myalbum/>

The address and introduction of Quietek Corporation's laboratories can be founded in our Web site : <http://www.quietek.com/>

Site Description: File on
Federal Communications Commission
FCC Engineering Laboratory
7435 Oakland Mills Road
Columbia, MD 21046
Registration Number: 92195

Accreditation on NVLAP
NVLAP Lab Code: 200533-0

Site Name: Quietek Corporation
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E-Mail : service@quietek.com

FCC Accreditation Number: TW1014

2. Conducted Emission

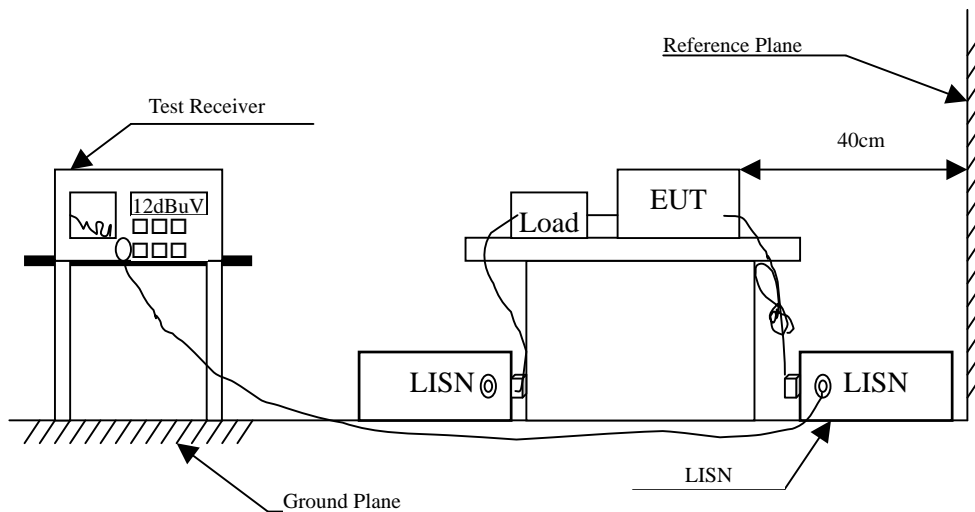
2.1. Test Equipment

	Equipment	Manufacturer	Model No. / Serial No.	Last Cal.	Remark
X	Test Receiver	R & S	ESCS 30 / 825442/018	Sep., 2011	
X	Artificial Mains Network	R & S	ENV4200 / 848411/10	Feb., 2012	Peripherals
X	LISN	R & S	ESH3-Z5 / 825562/002	Feb., 2012	EUT
	DC LISN	Schwarzbeck	8226 / 176	Mar, 2012	EUT
X	Pulse Limiter	R & S	ESH3-Z2 / 357.8810.52	Feb., 2012	
	No.1 Shielded Room				

Note:

1. All equipments are calibrated every one year.
2. The test instruments marked by "X" are used to measure the final test results.

2.2. Test Setup



2.3. Limits

FCC Part 15 Subpart C Paragraph 15.207 (dBuV) Limit		
Frequency MHz	Limits	
	QP	AV
0.15 - 0.50	66-56	56-46
0.50-5.0	56	46
5.0 - 30	60	50

Remarks : In the above table, the tighter limit applies at the band edges.

2.4. Test Procedure

The EUT and simulators are connected to the main power through a line impedance stabilization network (L.I.S.N.). This provides a 50 ohm /50uH coupling impedance for the measuring equipment. The peripheral devices are also connected to the main power through a LISN that provides a 50ohm /50uH coupling impedance with 50ohm termination. (Please refers to the block diagram of the test setup and photographs.)

Both sides of A.C. line are checked for maximum conducted interference. In order to find the maximum emission, the relative positions of equipment and all of the interface cables must be changed according to ANSI C63.4: 2003 on conducted measurement.

Conducted emissions were invested over the frequency range from 0.15MHz to 30MHz using a receiver bandwidth of 9kHz.

The EUT was setup to ANSI C63.4, 2003; tested to DTS test procedure of FCC KDB-789033 for compliance to FCC 47CFR Subpart E requirements.

2.5. Uncertainty

± 2.26 dB

2.6. Test Result of Conducted Emission

Product : 802.11 a/b/g/n, 2.4G/5G 3T3R Wireless Module
 Test Item : Conducted Emission Test
 Power Line : Line 1
 Test Mode : Mode 3: Transmitter (802.11n-40BW 45Mbps) (5190MHz)

Frequency MHz	Correct Factor dB	Reading Level dBuV	Measurement Level dBuV	Margin dB	Limit dBuV
LINE 1					
Quasi-Peak					
0.177	9.702	30.990	40.692	-24.537	65.229
0.271	9.649	31.810	41.459	-21.084	62.543
0.431	9.640	24.410	34.050	-23.921	57.971
0.533	9.640	20.080	29.720	-26.280	56.000
0.775	9.659	25.200	34.859	-21.141	56.000
3.345	9.690	14.180	23.870	-32.130	56.000
Average					
0.177	9.702	14.120	23.822	-31.407	55.229
0.271	9.649	27.760	37.409	-15.134	52.543
0.431	9.640	21.080	30.720	-17.251	47.971
0.533	9.640	12.810	22.450	-23.550	46.000
0.775	9.659	24.220	33.879	-12.121	46.000
3.345	9.690	7.270	16.960	-29.040	46.000

Note:

1. All Reading Levels are Quasi-Peak and average value.
2. "■" means the worst emission level.
3. Measurement Level = Reading Level + Correct Factor

Product : 802.11 a/b/g/n, 2.4G/5G 3T3R Wireless Module
 Test Item : Conducted Emission Test
 Power Line : Line 2
 Test Mode : Mode 3: Transmitter (802.11n-40BW 45Mbps) (5190MHz)

Frequency MHz	Correct Factor dB	Reading Level dBuV	Measurement Level dBuV	Margin dB	Limit dBuV
LINE 2					
Quasi-Peak					
0.181	9.702	26.680	36.382	-28.732	65.114
0.271	9.649	27.430	37.079	-25.464	62.543
0.408	9.650	23.370	33.020	-25.609	58.629
0.548	9.650	19.500	29.150	-26.850	56.000
0.775	9.679	21.840	31.519	-24.481	56.000
26.978	10.202	6.550	16.752	-43.248	60.000
Average					
0.181	9.702	8.510	18.212	-36.902	55.114
0.271	9.649	24.530	34.179	-18.364	52.543
0.408	9.650	6.140	15.790	-32.839	48.629
0.548	9.650	9.700	19.350	-26.650	46.000
0.775	9.679	16.380	26.059	-19.941	46.000
26.978	10.202	0.040	10.242	-39.758	50.000

Note:

1. All Reading Levels are Quasi-Peak and average value.
2. "■" means the worst emission level.
3. Measurement Level = Reading Level + Correct Factor

Product : 802.11 a/b/g/n, 2.4G/5G 3T3R Wireless Module
 Test Item : Conducted Emission Test
 Power Line : Line 1
 Test Mode : Mode 3: Transmitter (802.11n-40BW 45Mbps) (5270MHz)

Frequency MHz	Correct Factor dB	Reading Level dBuV	Measurement Level dBuV	Margin dB	Limit dBuV
LINE 1					
Quasi-Peak					
0.193	9.691	33.930	43.621	-21.150	64.771
0.267	9.651	32.130	41.781	-20.876	62.657
0.404	9.640	25.380	35.020	-23.723	58.743
0.541	9.640	23.080	32.720	-23.280	56.000
0.916	9.670	22.940	32.610	-23.390	56.000
3.095	9.690	15.180	24.870	-31.130	56.000
Average					
0.193	9.691	14.990	24.681	-30.090	54.771
0.267	9.651	26.740	36.391	-16.266	52.657
0.404	9.640	7.280	16.920	-31.823	48.743
0.541	9.640	17.530	27.170	-18.830	46.000
0.916	9.670	16.600	26.270	-19.730	46.000
3.095	9.690	7.530	17.220	-28.780	46.000

Note:

1. All Reading Levels are Quasi-Peak and average value.
2. "■" means the worst emission level.
3. Measurement Level = Reading Level + Correct Factor

Product : 802.11 a/b/g/n, 2.4G/5G 3T3R Wireless Module
 Test Item : Conducted Emission Test
 Power Line : Line 2
 Test Mode : Mode 3: Transmitter (802.11n-40BW 45Mbps) (5270MHz)

Frequency MHz	Correct Factor dB	Reading Level dBuV	Measurement Level dBuV	Margin dB	Limit dBuV
LINE 2					
Quasi-Peak					
0.193	9.691	24.150	33.841	-30.930	64.771
0.220	9.673	26.920	36.593	-27.407	64.000
0.271	9.649	27.770	37.419	-25.124	62.543
0.380	9.650	21.810	31.460	-27.969	59.429
0.771	9.678	21.800	31.478	-24.522	56.000
1.306	9.690	19.900	29.590	-26.410	56.000
Average					
0.193	9.691	6.060	15.751	-39.020	54.771
0.220	9.673	23.010	32.683	-21.317	54.000
0.271	9.649	25.030	34.679	-17.864	52.543
0.380	9.650	15.560	25.210	-24.219	49.429
0.771	9.678	17.910	27.588	-18.412	46.000
1.306	9.690	12.520	22.210	-23.790	46.000

Note:

1. All Reading Levels are Quasi-Peak and average value.
2. "■" means the worst emission level.
3. Measurement Level = Reading Level + Correct Factor

Product : 802.11 a/b/g/n, 2.4G/5G 3T3R Wireless Module
 Test Item : Conducted Emission Test
 Power Line : Line 1
 Test Mode : Mode 3: Transmitter (802.11n-40BW 45Mbps) (5590MHz)

Frequency MHz	Correct Factor dB	Reading Level dBuV	Measurement Level dBuV	Margin dB	Limit dBuV
LINE 1					
Quasi-Peak					
0.193	9.691	34.030	43.721	-21.050	64.771
0.216	9.676	30.450	40.126	-23.988	64.114
0.267	9.651	32.460	42.111	-20.546	62.657
0.373	9.640	24.470	34.110	-25.519	59.629
0.541	9.640	22.370	32.010	-23.990	56.000
1.232	9.670	22.750	32.420	-23.580	56.000
Average					
0.193	9.691	15.180	24.871	-29.900	54.771
0.216	9.676	28.010	37.686	-16.428	54.114
0.267	9.651	27.110	36.761	-15.896	52.657
0.373	9.640	17.220	26.860	-22.769	49.629
0.541	9.640	17.720	27.360	-18.640	46.000
1.232	9.670	14.640	24.310	-21.690	46.000

Note:

1. All Reading Levels are Quasi-Peak and average value.
2. "■" means the worst emission level.
3. Measurement Level = Reading Level + Correct Factor

Product : 802.11 a/b/g/n, 2.4G/5G 3T3R Wireless Module
 Test Item : Conducted Emission Test
 Power Line : Line 2
 Test Mode : Mode 3: Transmitter (802.11n-40BW 45Mbps) (5590MHz)

Frequency MHz	Correct Factor dB	Reading Level dBuV	Measurement Level dBuV	Margin dB	Limit dBuV
LINE 2					
Quasi-Peak					
0.162	9.721	30.310	40.032	-25.625	65.657
0.220	9.673	26.900	36.573	-27.427	64.000
0.271	9.649	26.500	36.149	-26.394	62.543
0.486	9.650	19.870	29.520	-26.880	56.400
0.779	9.680	21.190	30.870	-25.130	56.000
1.474	9.690	19.720	29.410	-26.590	56.000
Average					
0.162	9.721	22.920	32.642	-23.015	55.657
0.220	9.673	22.910	32.583	-21.417	54.000
0.271	9.649	22.030	31.679	-20.864	52.543
0.486	9.650	10.230	19.880	-26.520	46.400
0.779	9.680	13.670	23.350	-22.650	46.000
1.474	9.690	11.210	20.900	-25.100	46.000

Note:

1. All Reading Levels are Quasi-Peak and average value.
2. "■" means the worst emission level.
3. Measurement Level = Reading Level + Correct Factor

3. Peak Transmit Power

3.1. Test Equipment

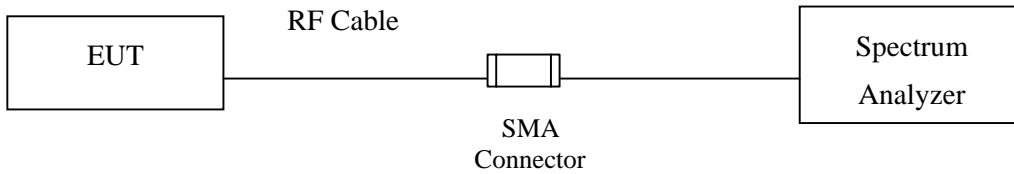
	Equipment	Manufacturer	Model No./Serial No.	Last Cal.
X	Power Meter	Anritsu	ML2495A/6K00003357	May, 2012
X	Power Sensor	Anritsu	MA2411B/0738448	Jun, 2012
X	Spectrum Analyzer	Agilent	N9010A / MY48030495	Apr., 2012

Note:

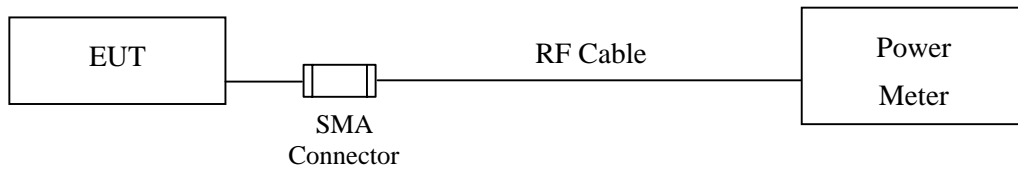
1. All equipments are calibrated with traceable calibrations. Each calibration is traceable to the national or international standards.
2. The test instruments marked with “X” are used to measure the final test results.

3.2. Test Setup

26dBc Occupied Bandwidth



Conduction Power Measurement



3.3. Limits

- (1) For the band 5.15-5.25 GHz, the peak transmit power over the frequency band of operation shall not exceed the lesser of 50 mW or $4 \text{ dBm} + 10\log B$, where B is the 26-dB emission bandwidth in MHz. If transmitting antenna of directional gain greater than 6 dBi are used, the peak transmit power shall be reduced by the amount in dB that directional gain of the antenna exceeds 6 dBi.
- (2) For the band 5.25-5.35 GHz, the peak transmit power over the frequency band of operation shall not exceed the lesser of 250 mW or $11 \text{ dBm} + 10\log B$, where B is the 26-dB emission bandwidth in MHz. If transmitting antenna of directional gain greater than 6 dBi are used, the peak transmit power shall be reduced by the amount in dB that directional gain of the antenna exceeds 6 dBi.
- (3) For the band 5.725-5.825 GHz, the peak transmit power over the frequency band of operation shall not exceed the lesser of 1W or $17 \text{ dBm} + 10\log B$, where B is the 26-dB emission bandwidth in MHz. If transmitting antenna of directional gain greater than 6 dBi are used, the peak transmit power shall be reduced by the amount in dB that directional gain of the antenna exceeds 6 dBi.

3.4. Test Procedur

As an alternative to FCC KDB-789033, the EUT peak power was measured with a peak power meter employing a video bandwidth greater than 6dB BW of the emission under test. Peak output power was read directly from the meter across all data rates, and across three channels within each sub-band. Special care was used to make sure that the EUT was transmitting in continuous mode. This method exceeds the limitations of FCC KDB-789033, and provides more accurate measurements.

3.5. Uncertainty

$\pm 1.27 \text{ dB}$

3.6. Test Result of Peak Transmit Power

Product : 802.11 a/b/g/n, 2.4G/5G 3T3R Wireless Module
 Test Item : Peak Transmit Power
 Test Site : No.3 OATS
 Test Mode : Mode 1: Transmitter (802.11a-6Mbps)

Cable loss=1dB		Peak Power Output								
Channel No.	Frequency (MHz)	Data Rate (Mbps)								Required Limit
		6	9	12	18	24	36	48	54	
		Measurement Level (dBm)								
36	5180	13.62	--	--	--	--	--	--	--	<17dBm
44	5220	14.22	14.12	14.03	13.95	13.83	13.77	13.62	13.58	<17dBm
48	5240	14.41	--	--	--	--	--	--	--	<17dBm
52	5260	18.2	--	--	--	--	--	--	--	<24dBm
60	5300	18.33	18.26	18.17	18.1	18.01	17.95	17.82	17.73	<24dBm
64	5320	18.03	--	--	--	--	--	--	--	<24dBm
100	5500	16.49	--	--	--	--	--	--	--	<24dBm
120	5600	17.12	17.03	16.92	16.83	16.71	16.65	16.54	16.43	<24dBm
140	5700	16.74	--	--	--	--	--	--	--	<24dBm

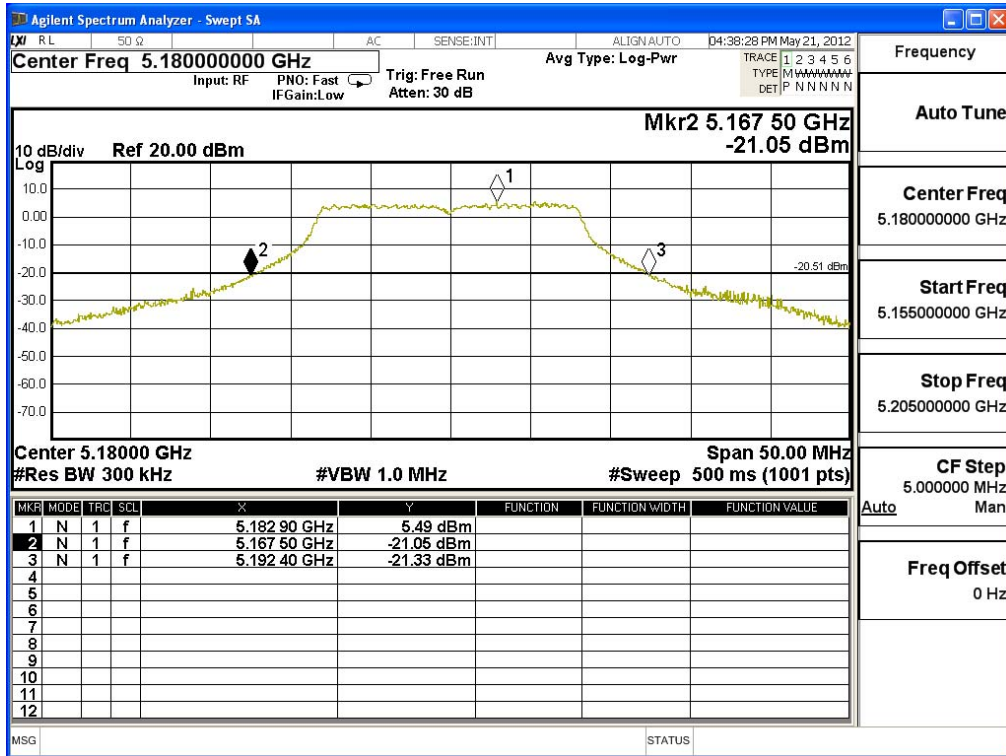
Note: Peak Power Output Value = Reading value on peak power meter + cable loss

Peak Transmit Power Measurement:

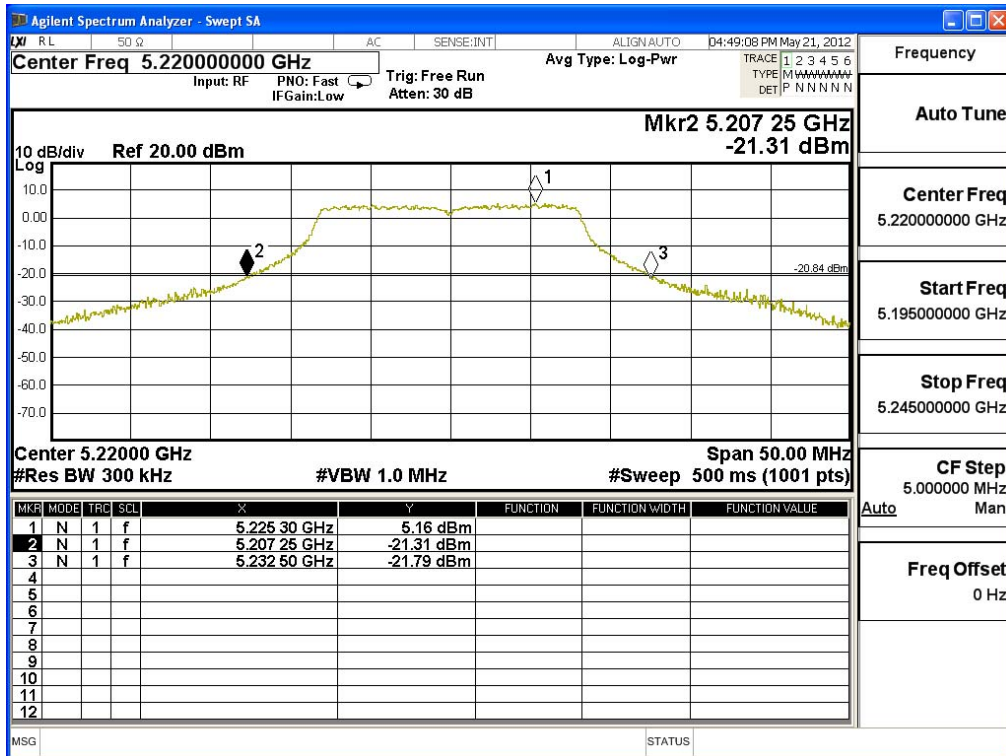
Channel Number	Frequency (MHz)	26dB Bandwidth (MHz)	Output Power (dBm)	Output Power Limit	
				(dBm)	dBm+10log(BW)
36	5180	24.900	13.62	17	17.96
44	5220	25.250	14.22	17	18.02
48	5240	24.900	14.41	17	17.96
52	5260	38.000	18.2	24	26.80
60	5300	38.150	18.33	24	26.81
64	5320	37.100	18.03	24	26.69
100	5500	30.250	16.49	24	25.81
120	5600	35.200	17.12	24	26.47
140	5700	35.350	16.74	24	26.48

Note: Power Output Value = Reading value on peak power meter + cable loss

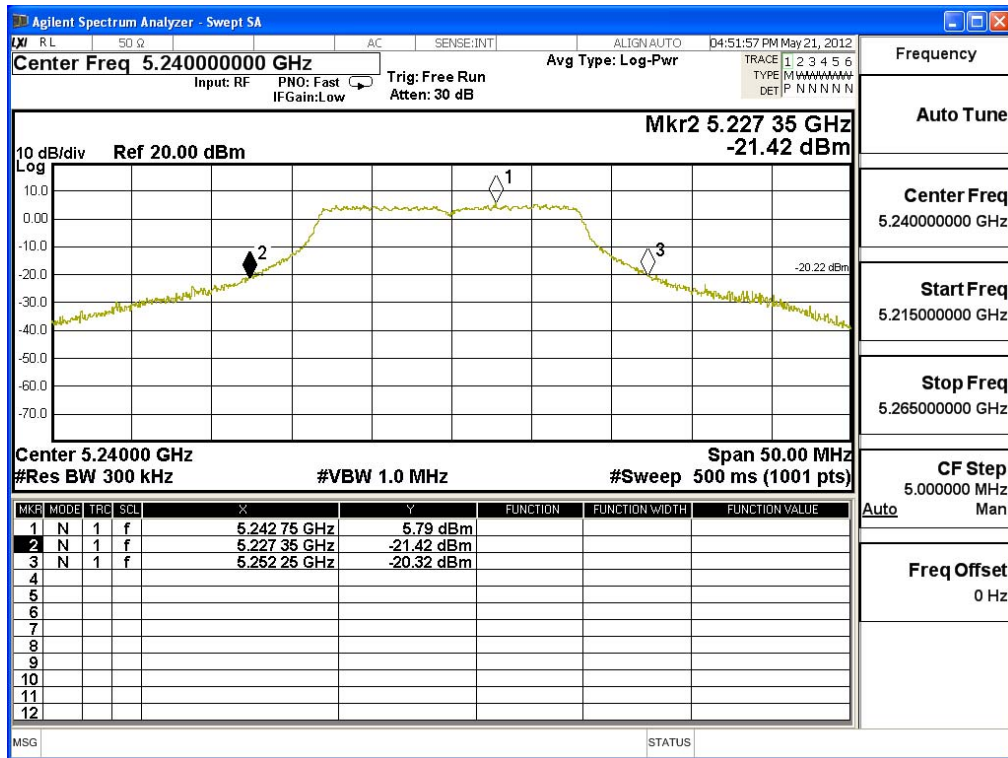
26dBc Occupied Bandwidth: Channel 36



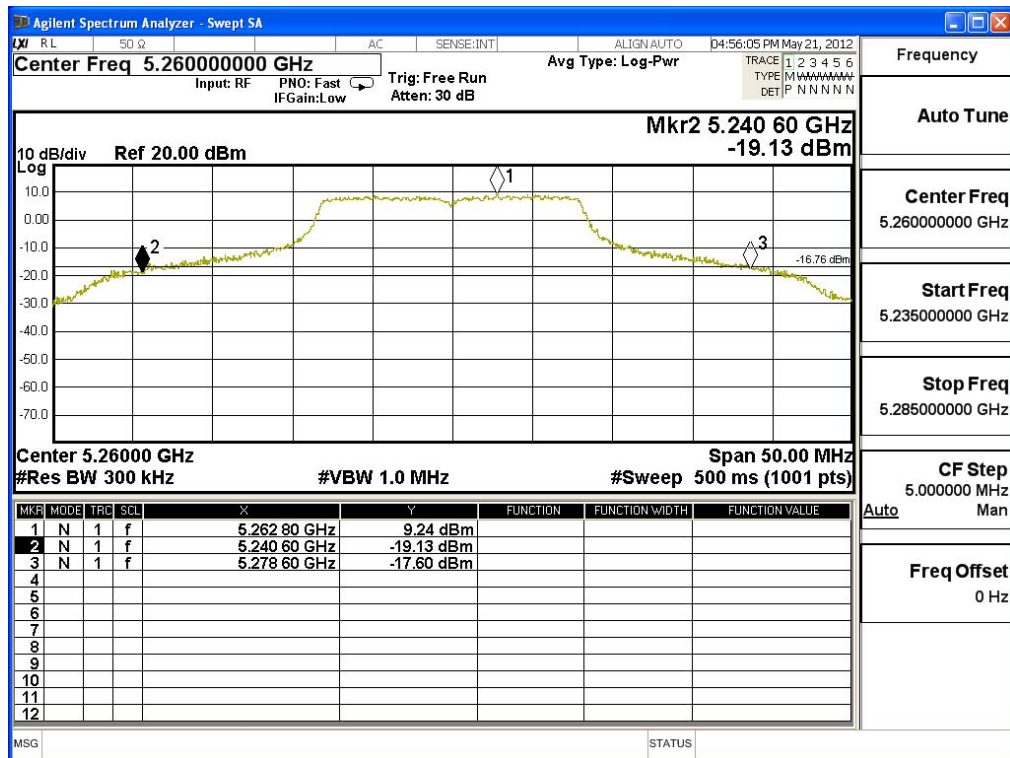
Channel 40



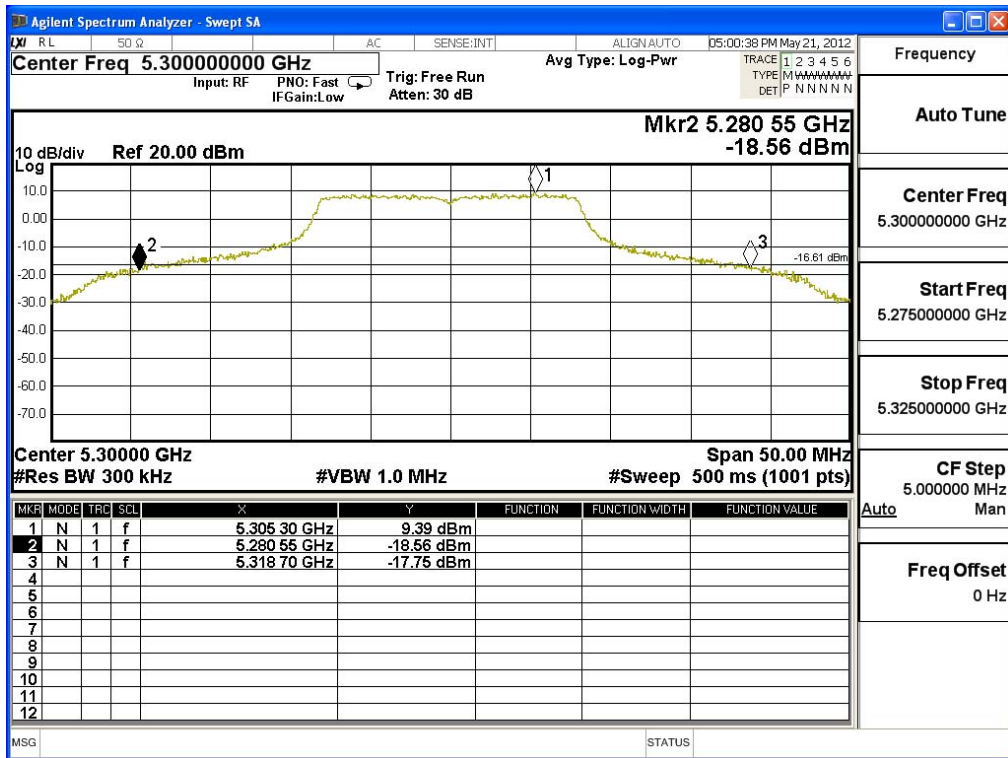
Channel 48



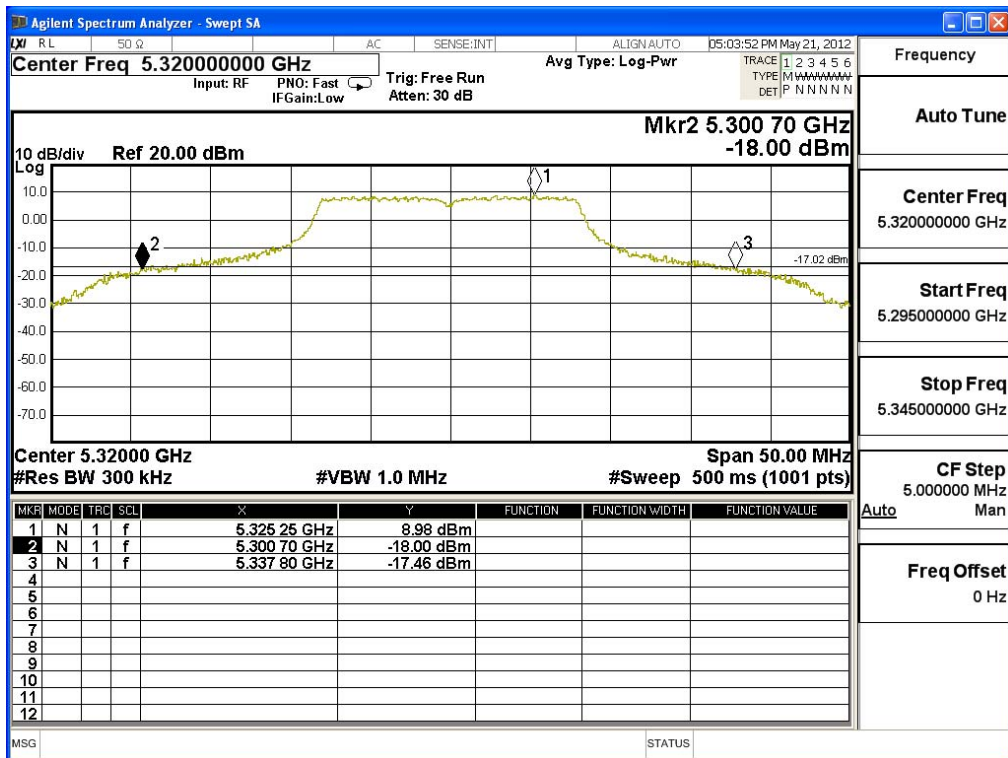
Channel 52



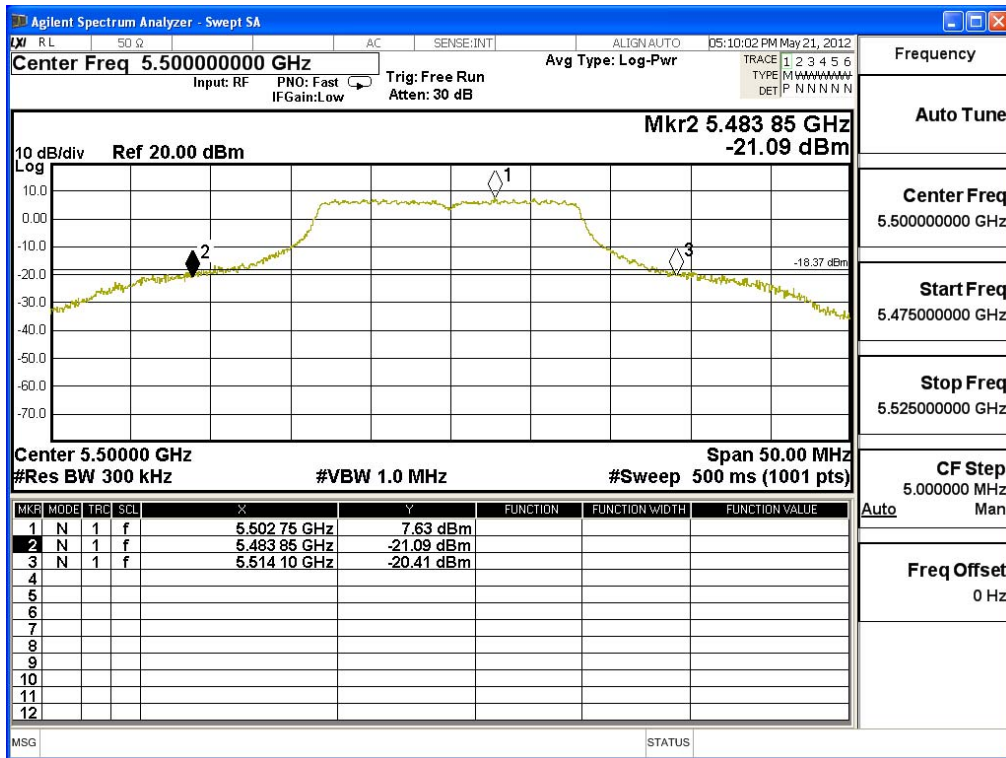
Channel 60



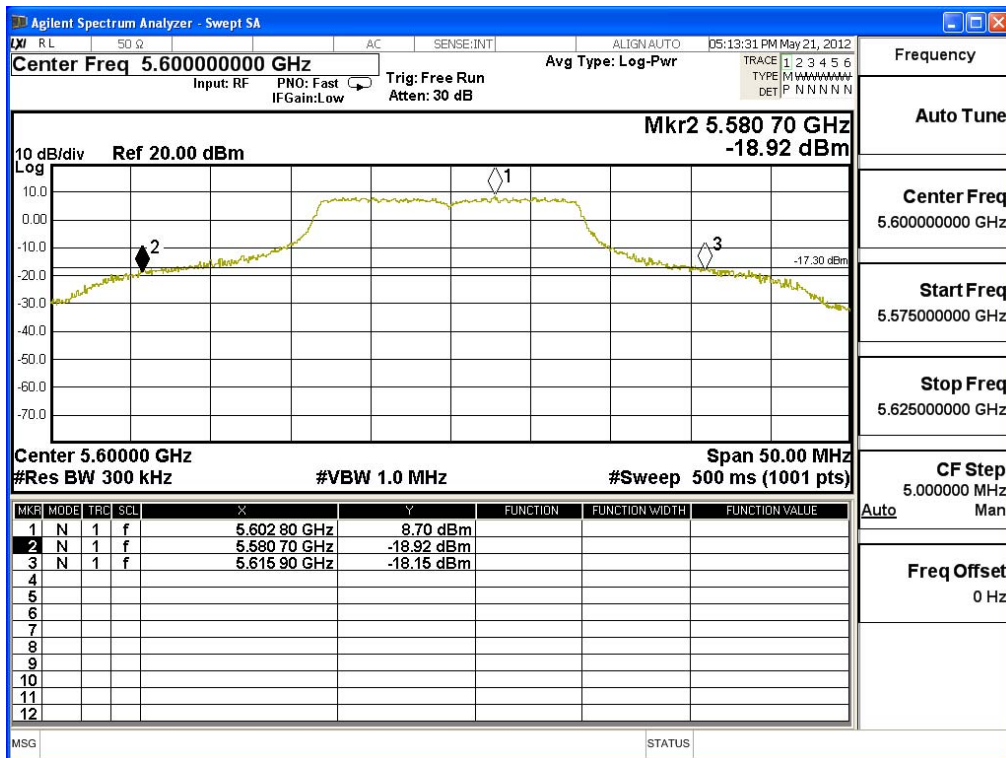
Channel 64



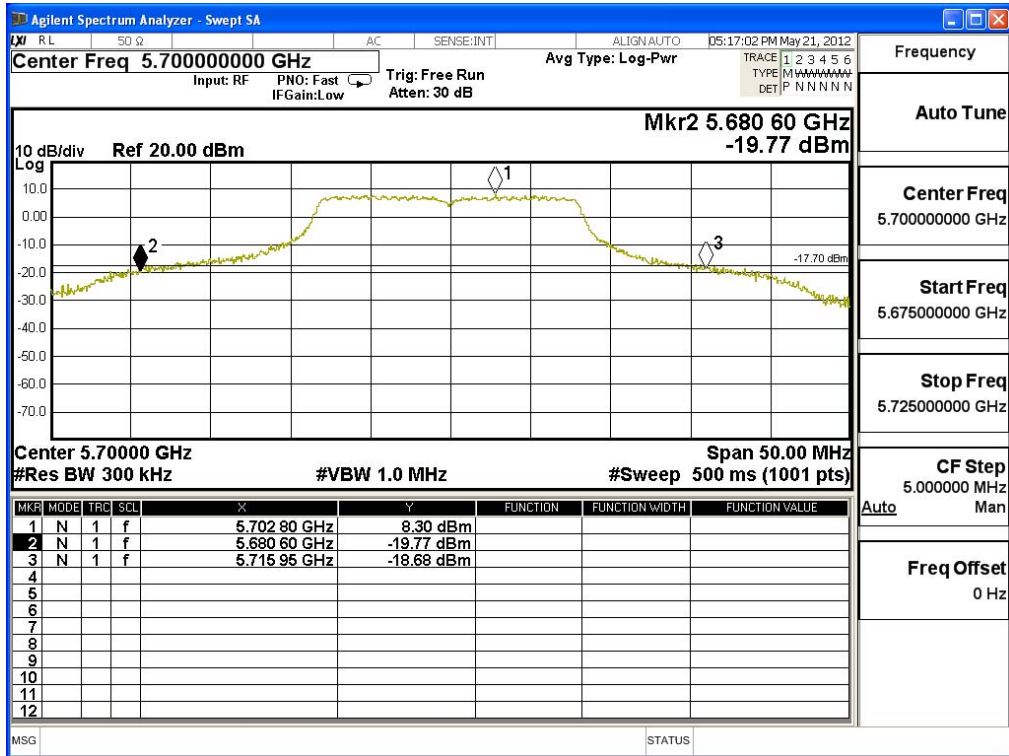
Channel 100



Channel 120



Channel 140



Frequency
Auto Tune
Center Freq 5.70000000 GHz
Start Freq 5.67500000 GHz
Stop Freq 5.72500000 GHz
CF Step 5.000000 MHz
Auto Man
Freq Offset 0 Hz

Product : 802.11 a/b/g/n, 2.4G/5G 3T3R Wireless Module
 Test Item : Peak Transmit Power
 Test Site : No.3 OATS
 Test Mode : Mode 2: Transmitter (802.11n-20BW 21.7Mbps)

CHAIN A

Cable loss=1dB		Peak Power Output								
Channel No.	Frequency (MHz)	Data Rate (Mbps)								Required Limit
		21.7	43.3	65	86.7	130.7	173.3	195	216.7	
		Measurement Level (dBm)								
36	5180	10.21	--	--	--	--	--	--	--	<17dBm
44	5220	11.3	11.24	11.17	11.05	10.96	10.85	10.76	10.61	<17dBm
48	5240	11.26	--	--	--	--	--	--	--	<17dBm
52	5260	17.56	--	--	--	--	--	--	--	<24dBm
60	5300	17.43	17.38	17.28	17.16	17.03	16.94	16.88	16.73	<24dBm
64	5320	14.6	--	--	--	--	--	--	--	<24dBm
100	5500	14.73	--	--	--	--	--	--	--	<24dBm
120	5600	16.25	16.11	16.05	15.96	15.82	15.76	15.64	15.53	<24dBm
140	5700	16.04	--	--	--	--	--	--	--	<24dBm

Note: Peak Power Output Value =Reading value on peak power meter + cable loss

CHAIN B

Cable loss=1dB		Peak Power Output								
Channel No.	Frequency (MHz)	Data Rate (Mbps)								Required Limit
		21.7	43.3	65	86.7	130.7	173.3	195	216.7	
		Measurement Level (dBm)								
36	5180	11.38	--	--	--	--	--	--	--	<17dBm
44	5220	11.17	11.05	10.96	10.84	10.78	10.61	10.57	10.43	<17dBm
48	5240	10.92	--	--	--	--	--	--	--	<17dBm
52	5260	17.53	--	--	--	--	--	--	--	<24dBm
60	5300	17.82	17.76	17.65	17.55	17.49	17.32	17.28	17.2	<24dBm
64	5320	15.79	--	--	--	--	--	--	--	<24dBm
100	5500	16.35	--	--	--	--	--	--	--	<24dBm
120	5600	17.16	17.04	16.93	16.84	16.72	16.66	16.59	16.48	<24dBm
140	5700	17.2	--	--	--	--	--	--	--	<24dBm

Note: Peak Power Output Value =Reading value on peak power meter + cable loss

CHAIN C

Cable loss=1dB		Peak Power Output								
Channel No.	Frequency (MHz)	Data Rate (Mbps)								Required Limit
		21.7	43.3	65	86.7	130.7	173.3	195	216.7	
		Measurement Level (dBm)								
36	5180	10.87	--	--	--	--	--	--	--	<17dBm
44	5220	10.19	10.11	10.04	9.92	9.86	9.77	9.62	9.54	<17dBm
48	5240	9.52	--	--	--	--	--	--	--	<17dBm
52	5260	16.77	--	--	--	--	--	--	--	<24dBm
60	5300	16.3	16.28	16.18	16.1	16.04	15.93	15.87	15.72	<24dBm
64	5320	13.56	--	--	--	--	--	--	--	<24dBm
100	5500	14.82	--	--	--	--	--	--	--	<24dBm
120	5600	16.84	16.78	16.67	16.53	16.43	16.38	16.29	16.21	<24dBm
140	5700	17.35	--	--	--	--	--	--	--	<24dBm

Note: Peak Power Output Value =Reading value on peak power meter + cable loss

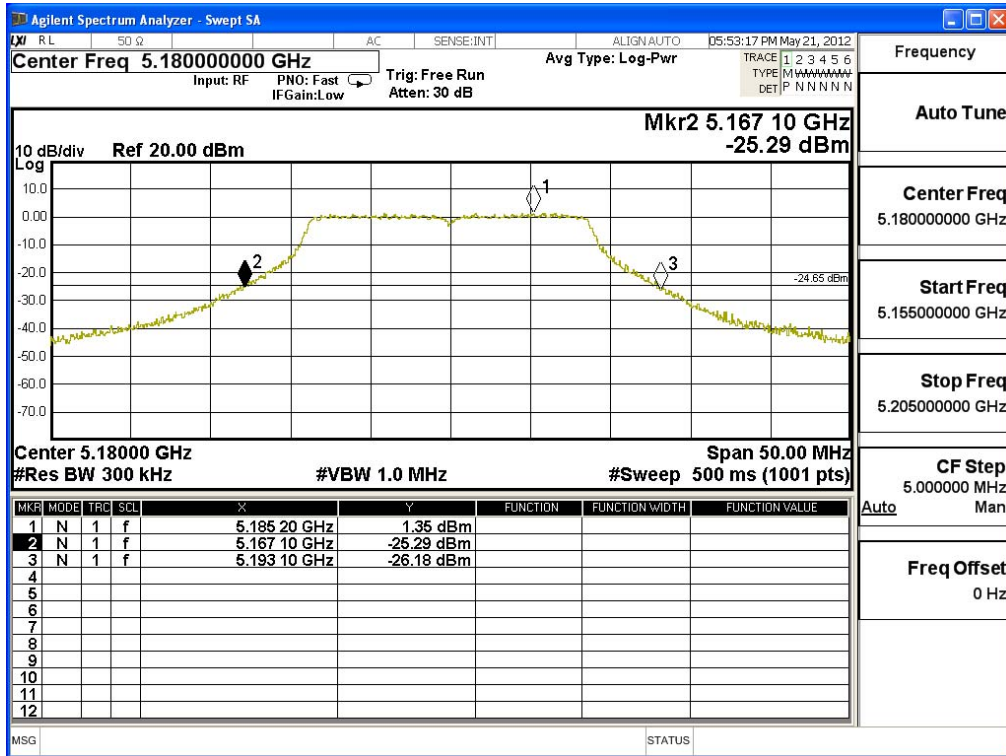
Peak Transmit Power Measurement:
(CHAIN A+ B+C)

Channel Number	Frequency (MHz)	26dB Bandwidth (MHz)	Chain A Power (dBm)	Chain B Power (dBm)	Chain C Power (dBm)	Output Power (dBm)	Output Power Limit	
							(dBm)	dBm+10log(BW)
36	5180	24.800	10.21	11.38	10.87	15.62	17	17.94
44	5220	24.700	11.30	11.17	10.19	15.69	17	17.93
48	5240	24.550	11.26	10.92	9.52	15.40	17	17.90
52	5260	38.650	17.56	17.53	16.77	22.07	24	26.87
60	5300	37.500	17.43	17.82	16.30	22.00	24	26.74
64	5320	27.250	14.60	15.79	13.56	19.52	24	25.35
100	5500	27.800	14.73	16.35	14.82	20.14	24	25.44
120	5600	35.000	16.25	17.16	16.84	21.54	24	26.44
140	5700	41.200	16.04	17.20	17.35	21.67	24	27.15

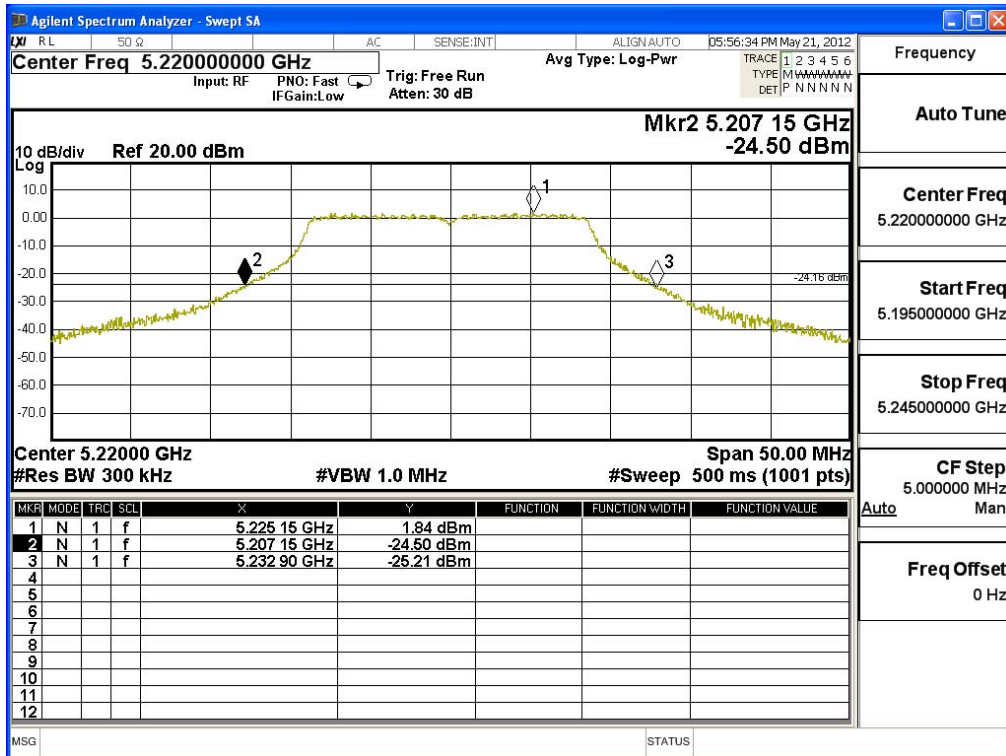
Note:

1. Power Output Value =Reading value on peak power meter + cable loss
2. Output Power (dBm) = 10LOG (Chain A Power (mW)+ Chain B Power (mW)+ Chain C Power (mW))
3. 26 dB Bandwidth is the bandwidth of chain A or chain B or chain C whichever is less bandwidth, output power limitation is more stringent.

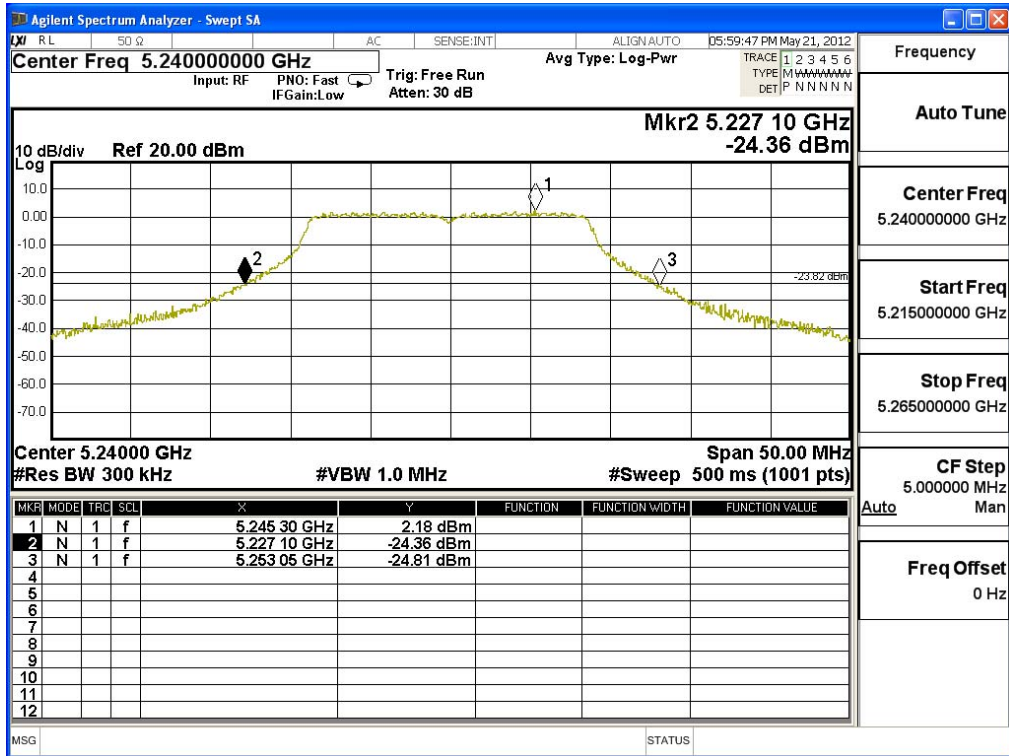
26dBc Occupied Bandwidth: Channel 36 -Chain A



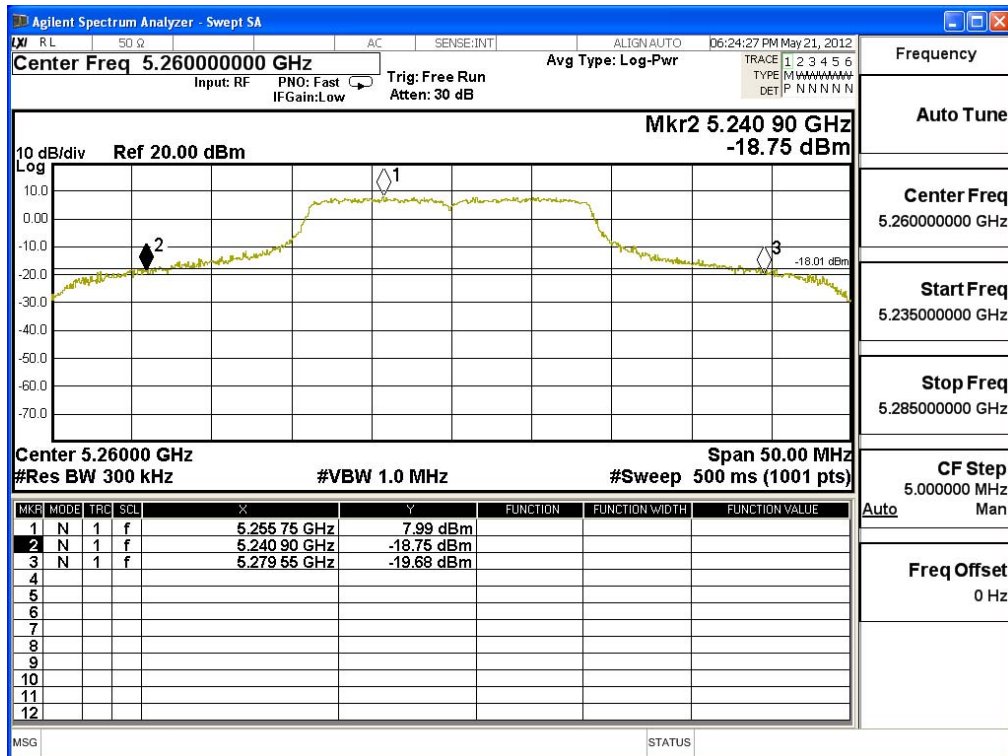
Channel 44 -Chain A



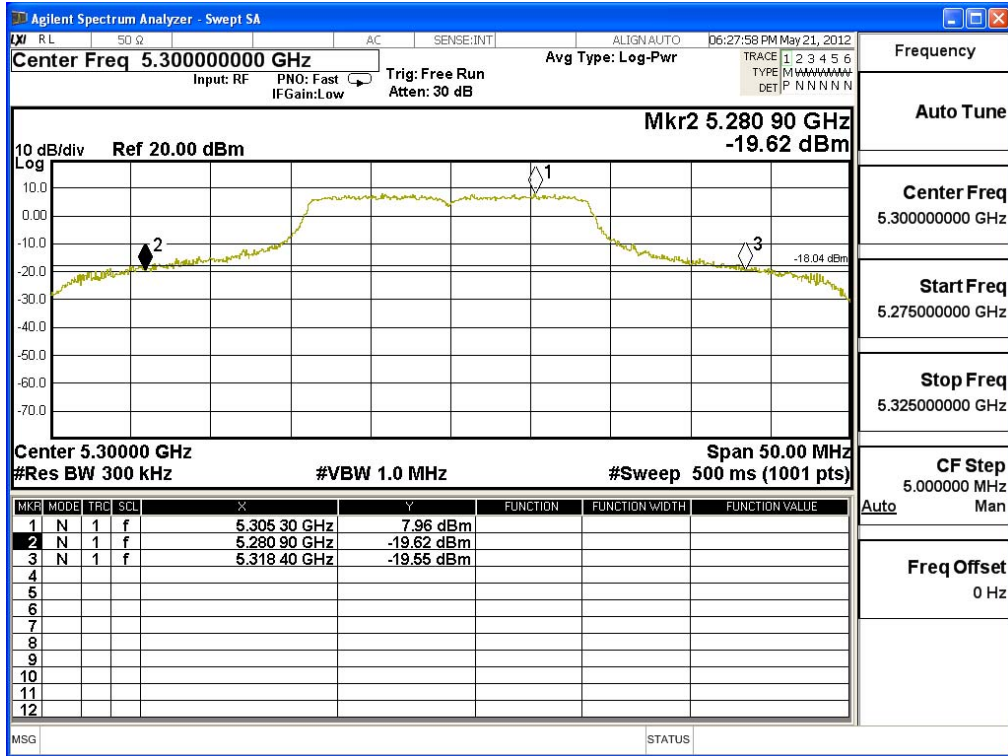
Channel 48 -Chain A



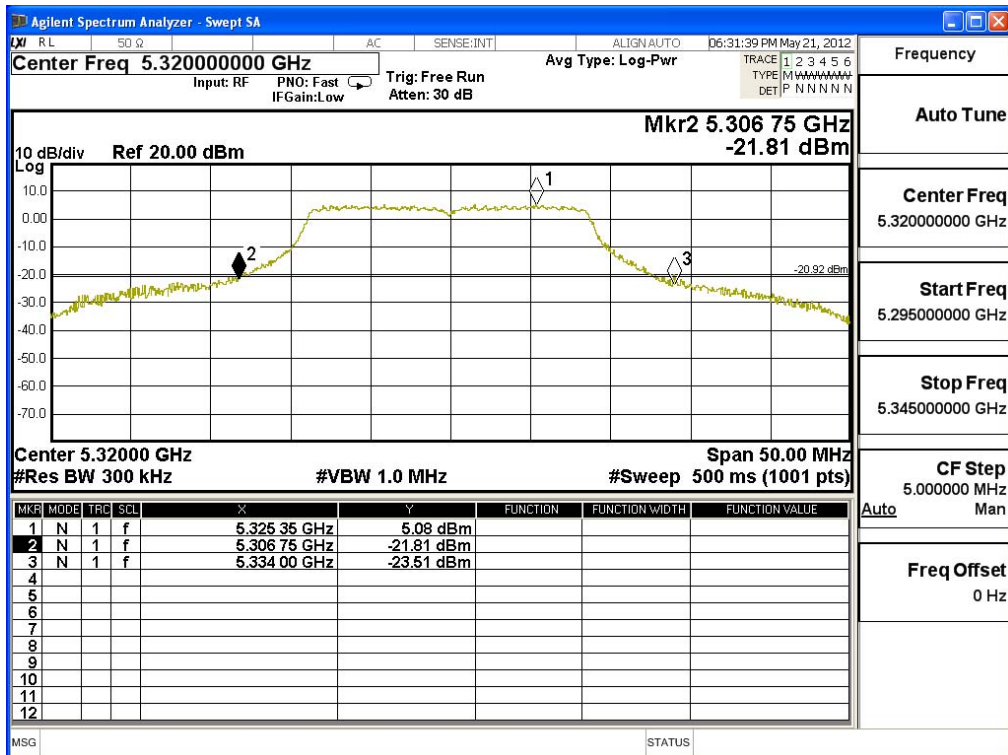
Channel 52 -Chain A



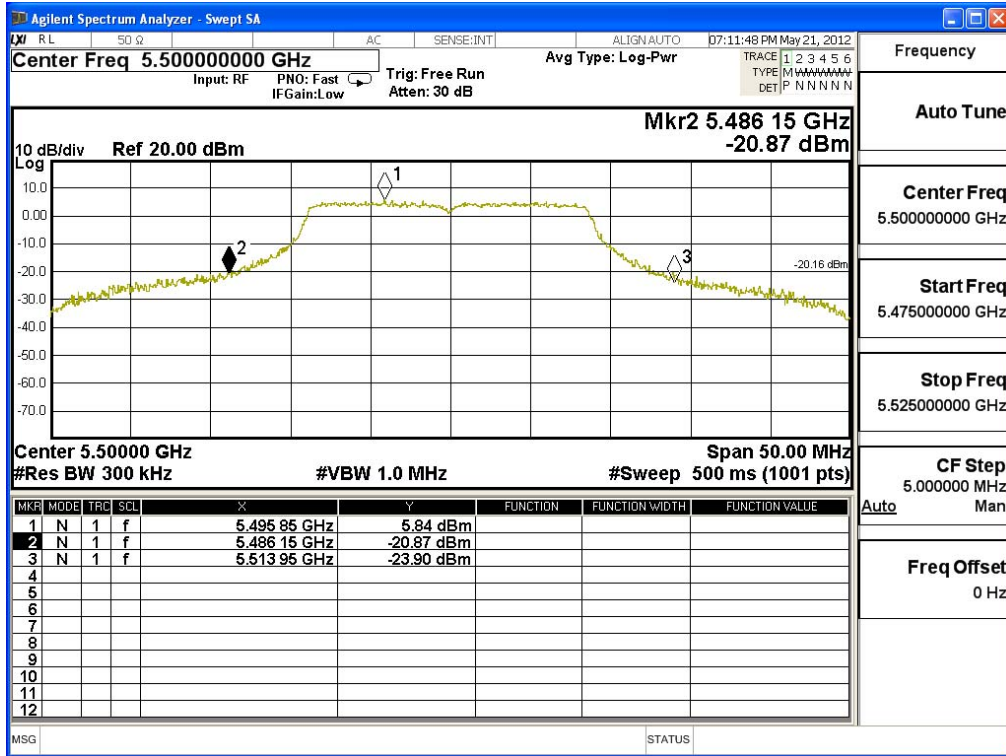
Channel 60 -Chain A



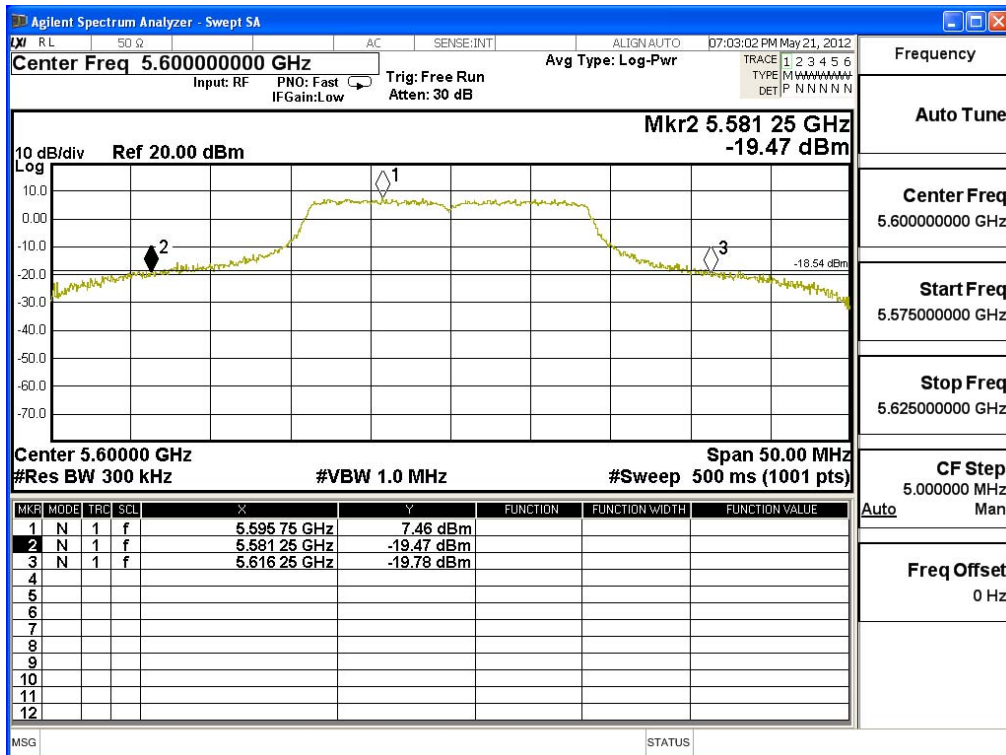
Channel 64 -Chain A



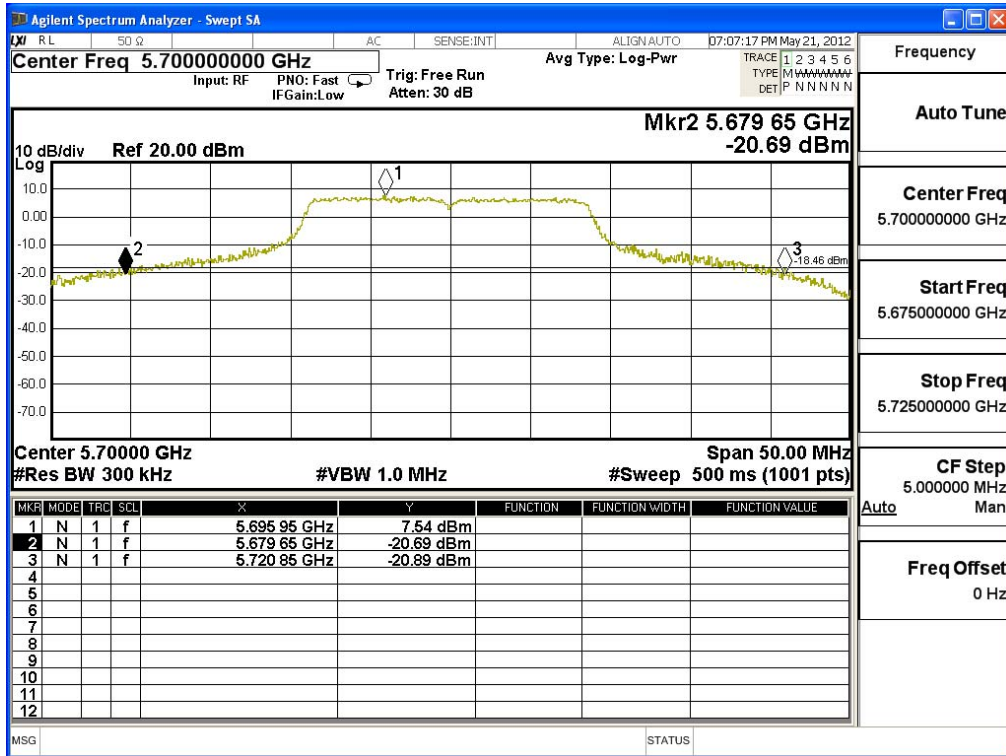
Channel 100 -Chain A



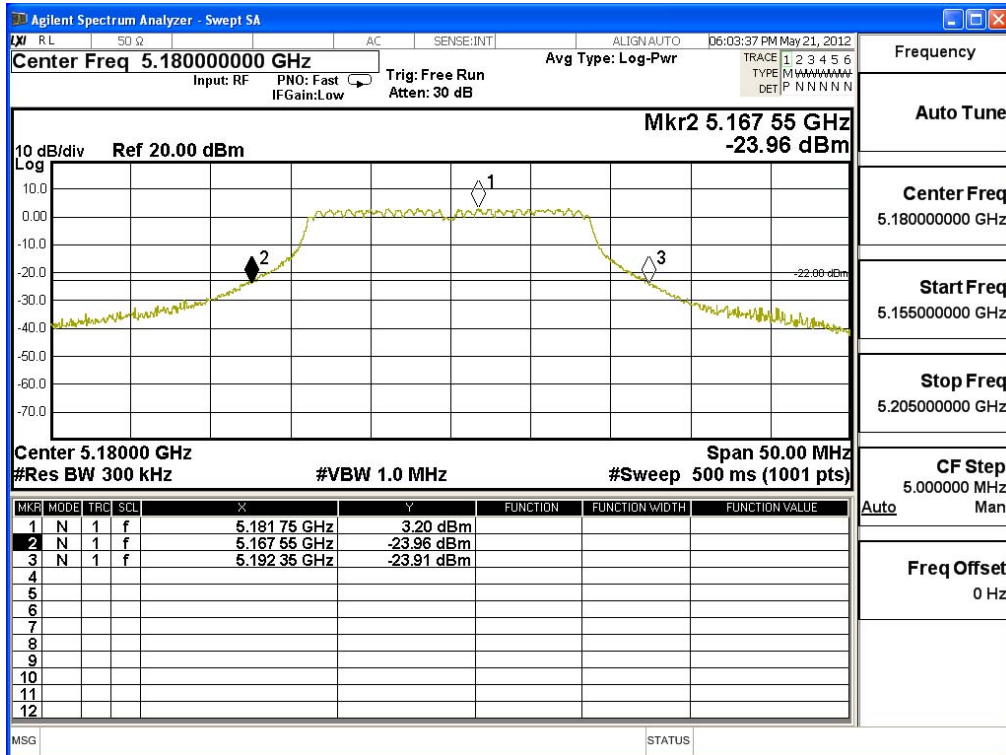
Channel 120 -Chain A



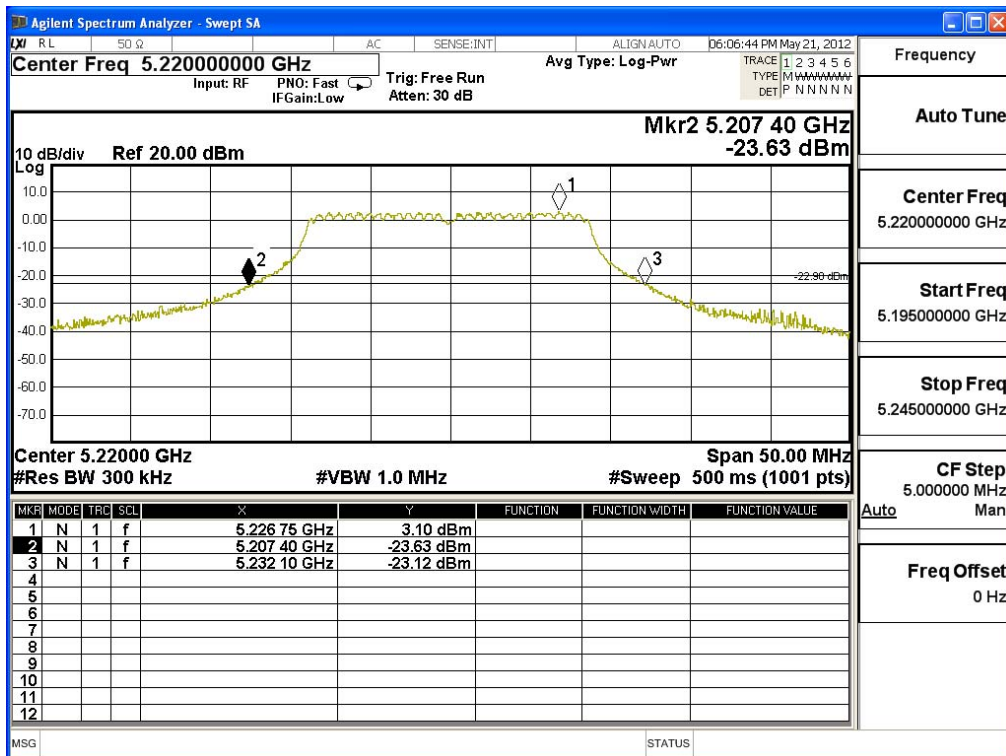
Channel 140 -Chain A



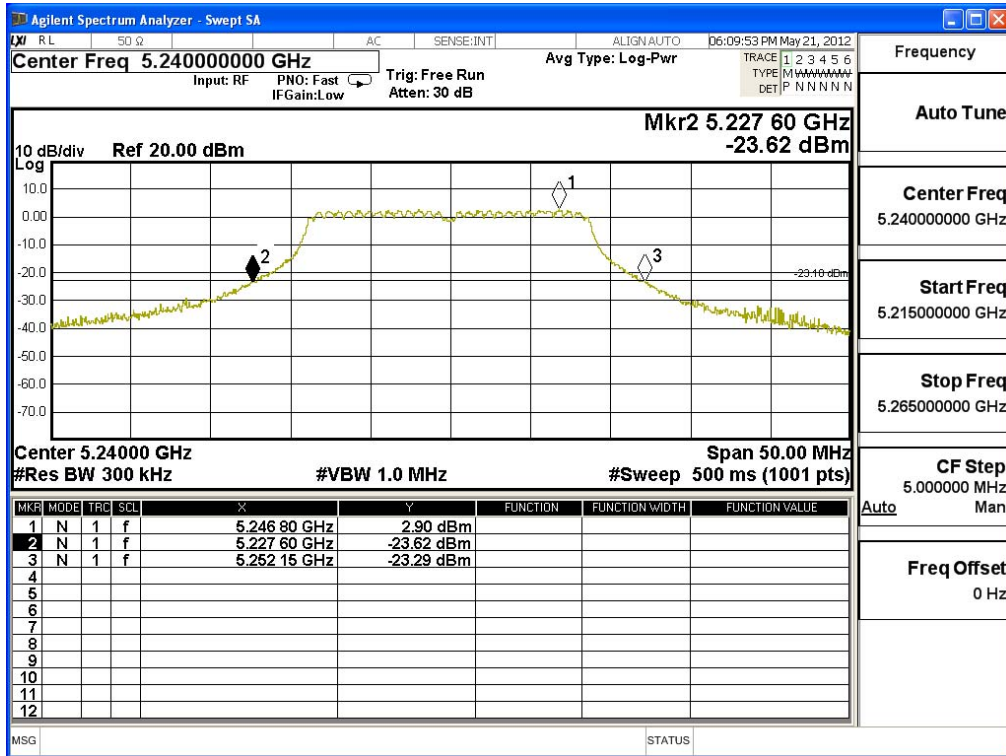
Channel 36 -Chain B



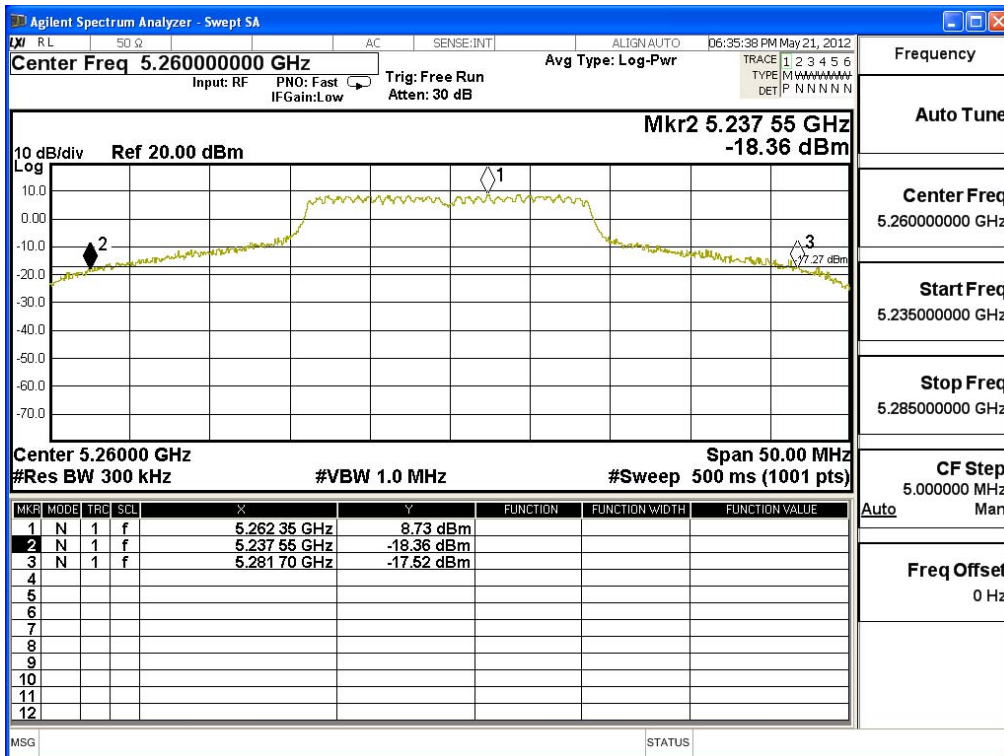
Channel 44 -Chain B



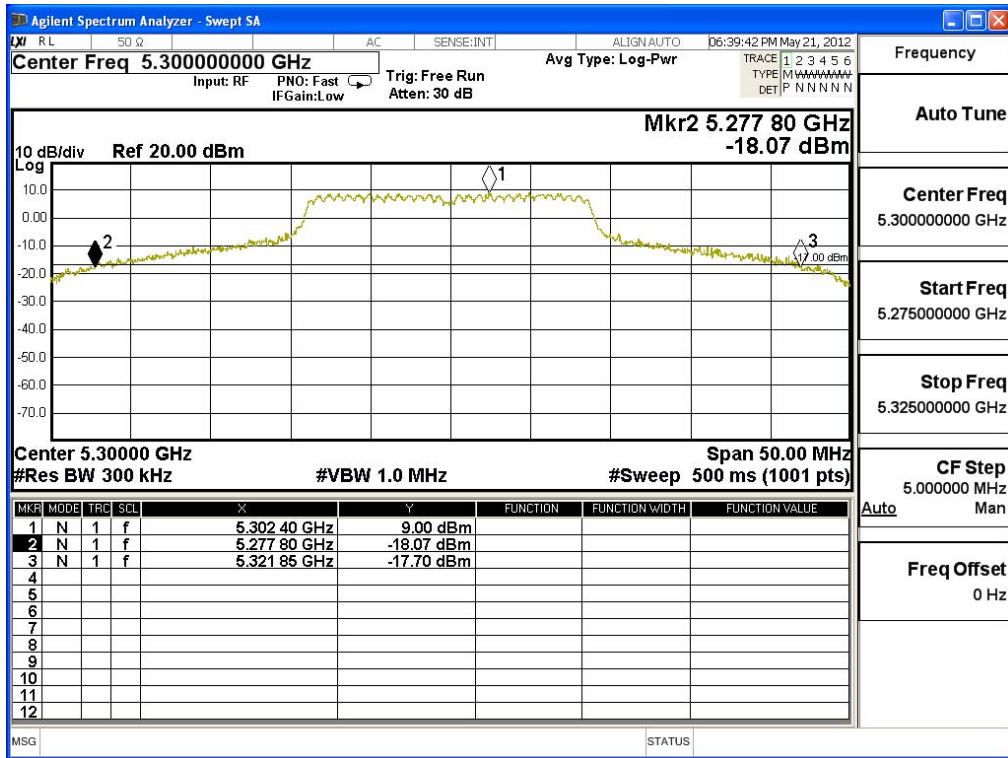
Channel 48 -Chain B



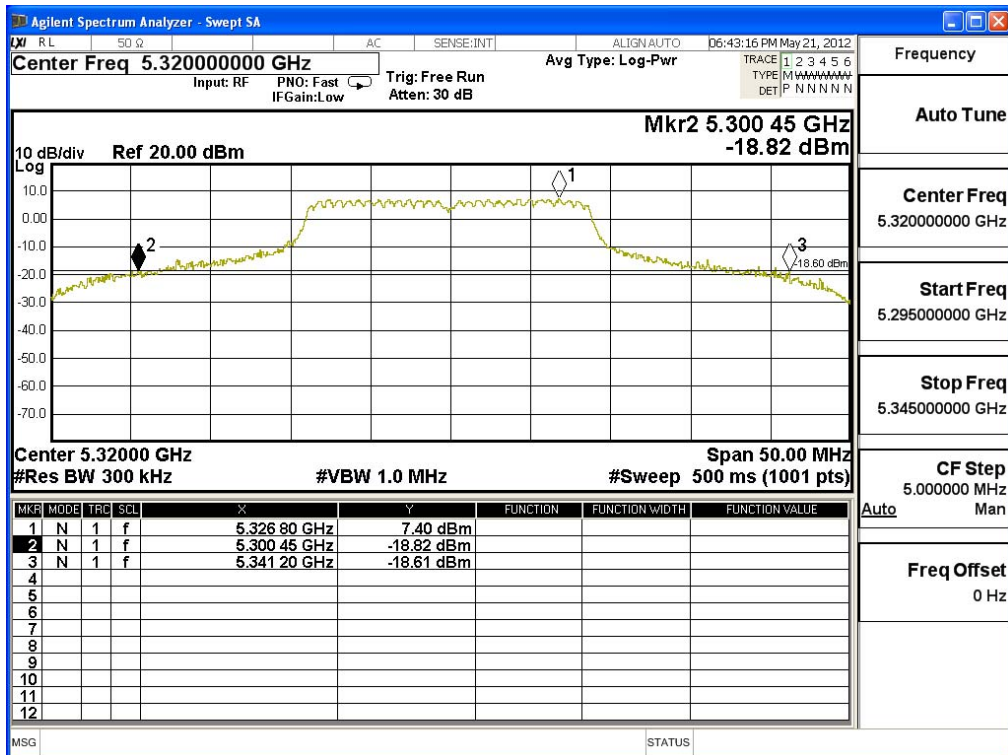
Channel 52 -Chain B



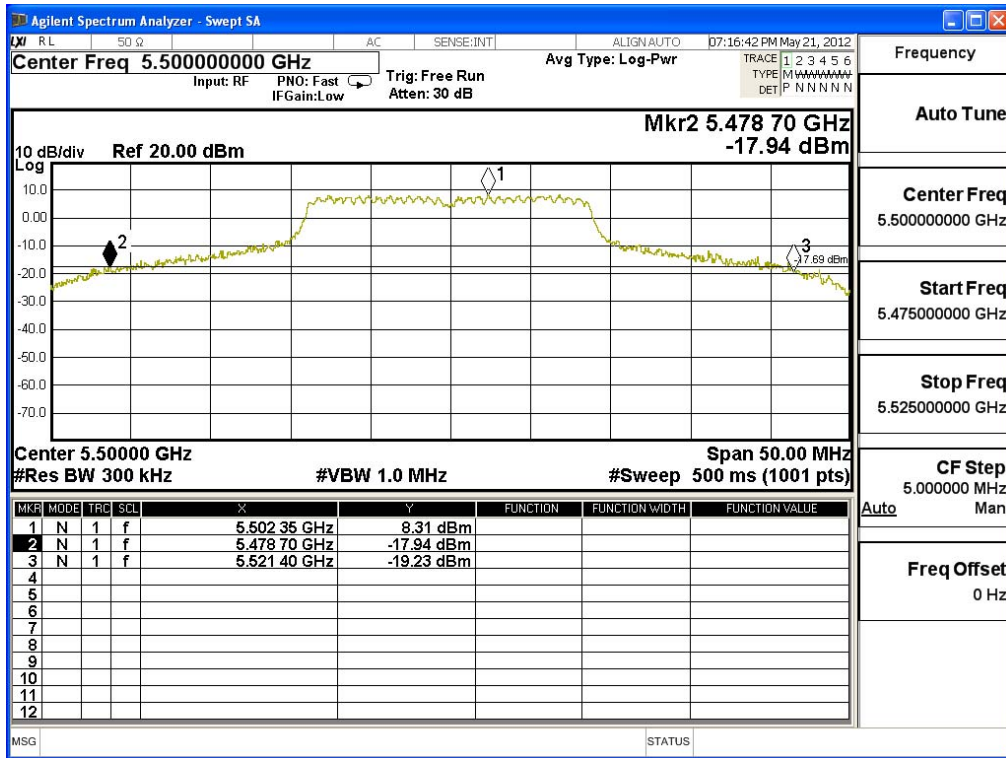
Channel 60 -Chain B



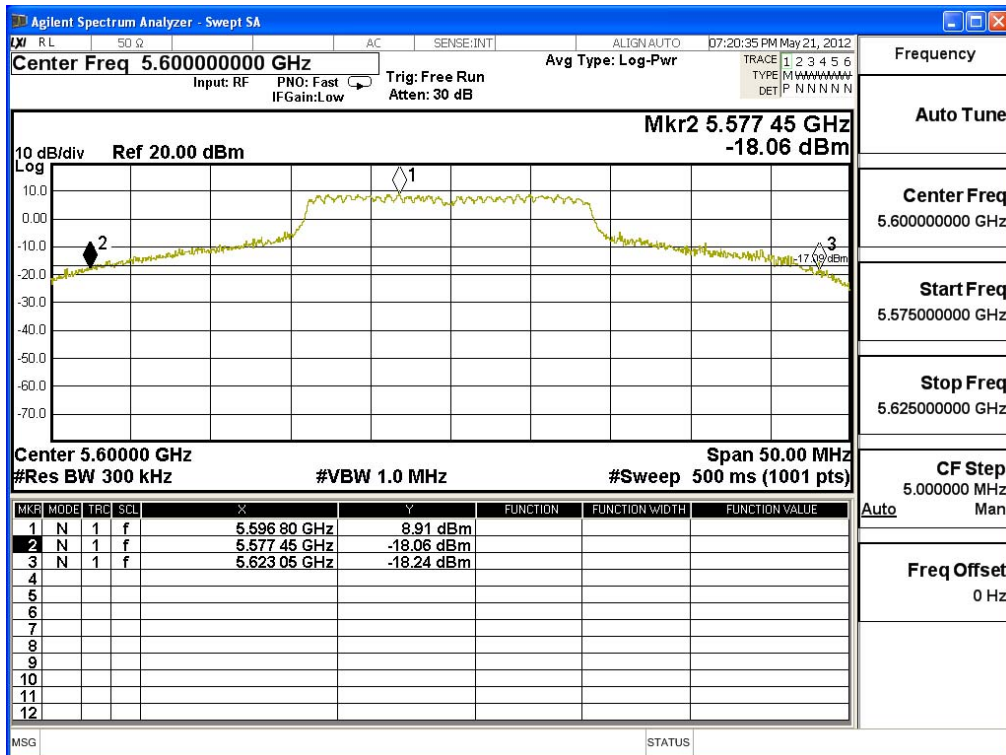
Channel 64 -Chain B



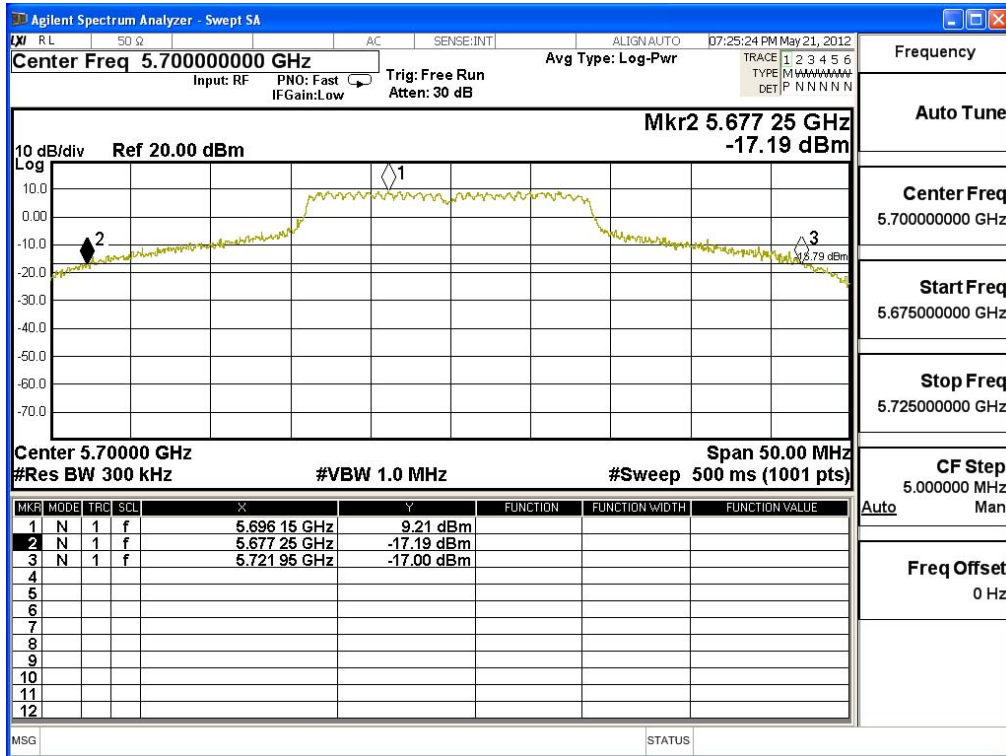
Channel 100 -Chain B



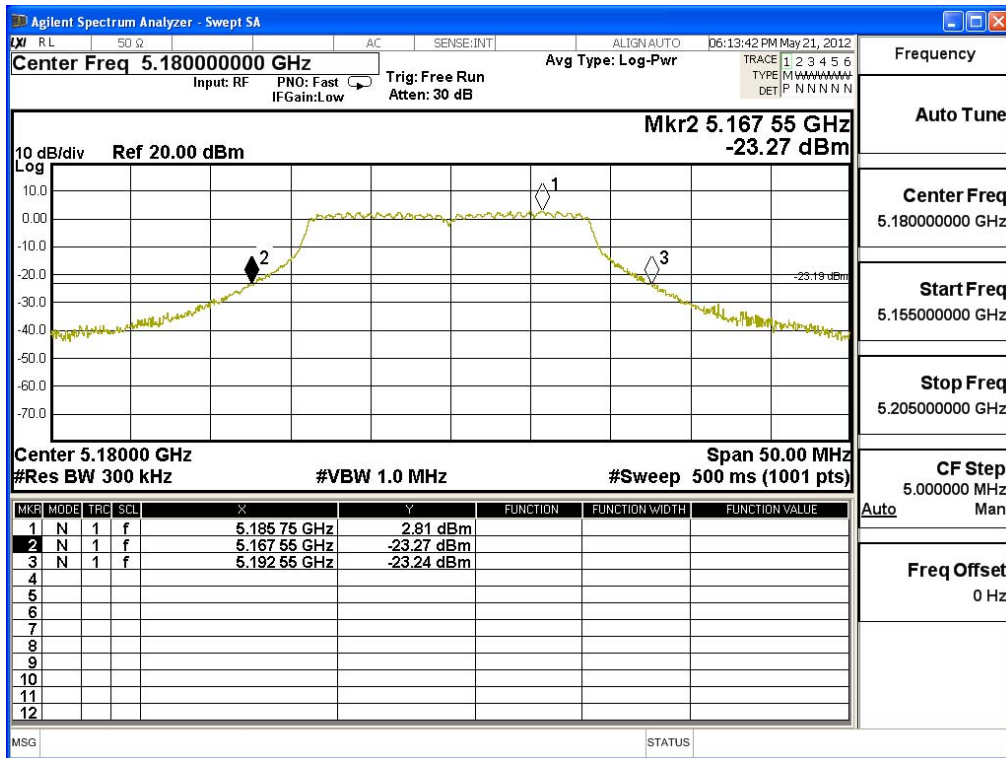
Channel 120 -Chain B



Channel 140 -Chain B



Channel 36 -Chain C



Channel 44 -Chain C

