FC

Test Report

Product Name	Mozart II
Model No	AWOXMII0A32, AWOXMII0D32
FCC ID.	PPQ-AWOXMII0

Applicant	Lite-On Technology Corp.
Address	4F,90,Chien 1 Road,Chung-Ho,Taipei Hsien 235,Taiwan,R.O.C.

Date of Receipt	Dec. 09, 2011
Issue Date	Dec. 28, 2011
Report No.	11C203R-RFUSP29V01
Report Version	V1.0

ilac-MRA

TAF
Testing Laboratory
0914

Test Report Certification

Issue Date: Dec. 28, 2011

Report No.: 11C203R-RFUSP29V01

QTK QuieTek Corporation

Accredited by NIST (NVLAP)

NVLAP Lab Code: 200533-0

Product Name	Mozart II
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.	AWOXMII0A32, AWOXMII0D32
FCC ID.	PPQ-AWOXMII0
EUT Rated Voltage	DC 3.3V
EUT Test Voltage	AC 120V/60Hz
Trade Name	AWOX S.A.
Applicable Standard	FCC CFR Title 47 Part 15 Subpart C: 2010 ANSI C63.4: 2003
Test Result	Complied

The test results relate only to the samples tested.

The test report shall not be reproduced except in full without the written approval of QuieTek Corporation.

This report must not be used to claim product endorsement by NVLAP any agency of the U.S. Government

Documented By : *Leven Huang*

(Senior Adm. Specialist / Leven Huang)

Tested By : *Jack Hsu*

(Engineer / Jack Hsu)

Approved By : *[signature]*

(Manager / Vincent Lin)

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Attachment 1:   EUT Test Photographs

Attachment 2:   EUT Detailed Photographs

1. GENERAL INFORMATION

1.1. EUT Description

Product Name	Mozart II
Trade Name	AWOX S.A
Model No.	AWOXMII0A32, AWOXMII0D32
FCC ID.	PPQ-AWOXMII0
Frequency Range	2412-2462MHz for 802.11b/g/n-20BW, 2422-2452MHz for 802.11n-40BW
Number of Channels	802.11b/g/n-20MHz: 11, n-40MHz: 7
Data Speed	802.11b: 1-11Mbps, 802.11g: 6-54Mbps, 802.11n: up to 150Mbps
Type of Modulation	802.11b:DSSS (DBPSK, DQPSK, CCK) 802.11g/n:OFDM (BPSK, QPSK, 16QAM, 64QAM)
Antenna Type	PIFA
Antenna Gain	Refer to the table "Antenna List"
Channel Control	Auto

Antenna List

No.	Manufacturer	Part No.	Antenna Type	Peak Gain
1	MAG.LAYERS	MSA-1908-2G4C1-A1	PIFA	3.79dBi for 2.4 GHz

Note: The antenna of EUT is conform to FCC 15.203.

802.11b/g/n-20MHz Center Frequency of Each Channel:

Channel	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency
Channel 01:	2412 MHz	Channel 02:	2417 MHz	Channel 03:	2422 MHz	Channel 04:	2427 MHz
Channel 05:	2432 MHz	Channel 06:	2437 MHz	Channel 07:	2442 MHz	Channel 08:	2447 MHz
Channel 09:	2452 MHz	Channel 10:	2457 MHz	Channel 11:	2462 MHz		

802.11n-40MHz Center Frequency of Each Channel:

Channel	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency
Channel 03:	2422 MHz	Channel 04:	2427 MHz	Channel 05:	2432 MHz	Channel 06:	2437 MHz
Channel 07:	2442 MHz	Channel 08:	2447 MHz	Channel 09:	2452 MHz		

Note:

1. The EUT is a Mozart II with a built-in 2.4GHz WLAN transceiver.
2. The different of the each model is shown as below:

Model name	Description		
	FM IC & circuit	Audio DAC	DAC Avdd 2.8V regulator IC
AWOXMII0A32	YES	YES	YES
AWOXMII0D32	NO	NO	NO

3. Regarding to the operation frequency, the lowest, middle and highest frequency are selected to perform the test.
4. Lowest and highest data rates are tested in each mode. Only worst case is shown in the report. (802.11b is 1Mbps 、802.11g is 6Mbps、802.11n(20M-BW) is 7.2Mbps and 、802.11n(40M-BW) is 15Mbps)
5. These tests are conducted on a sample for the purpose of demonstrating compliance of 802.11b/g/n transmitter with Part 15 Subpart C Paragraph 15.247 of spread spectrum devices.

Test Mode:	Mode 1: Transmit (802.11b 1Mbps)
	Mode 2: Transmit (802.11g 6Mbps)
	Mode 3: Transmit (802.11n MCS0 7.2Mbps 20M-BW)
	Mode 4: Transmit (802.11n MCS0 15Mbps 40M-BW)

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
A	Console Cable	Non-Shielded, 1.5m

1.4. Configuration of Tested System
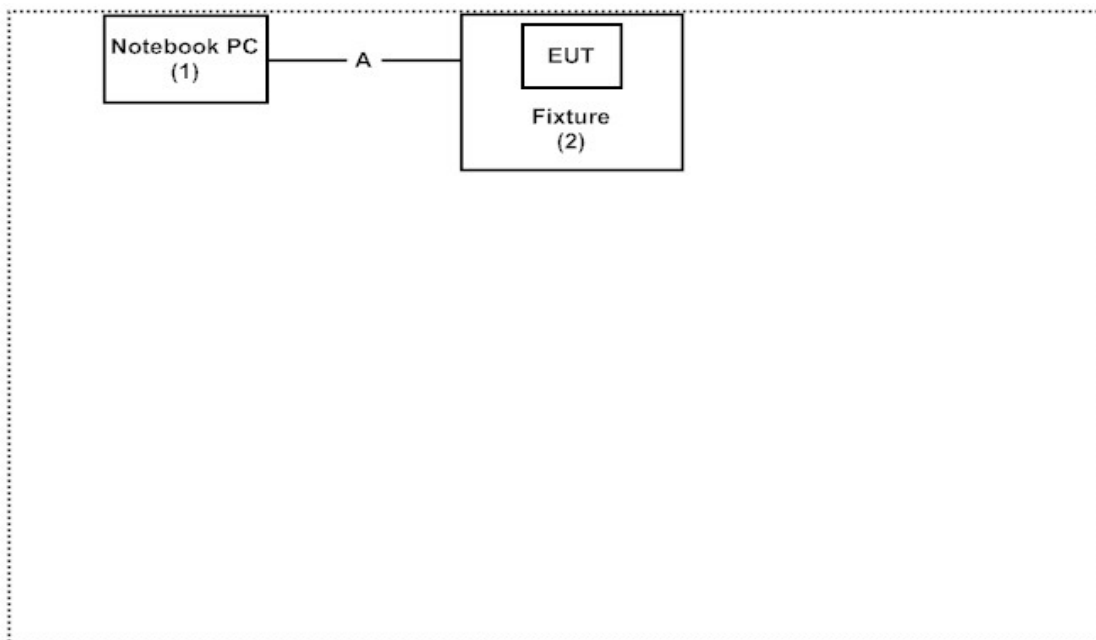
1.5. EUT Exercise Software

(1) Setup the EUT and peripherals as shown in Section 1.4

(2) Execute "Jera Jerm.exe V4.67" on the Notebook.

(3) Configure the test mode, the test channel, and the data rate to start the continuous transmit

(4) 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://www.quietek.com/tw/ctg/cts/accreditations.htm

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
Site Address: No.5-22, Ruishukeng,
Linkou Dist. New Taipei City 24451,
Taiwan, R.O.C.
TEL: 886-2-8601-3788 / FAX : 886-2-8601-3789
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., 2011	Peripherals
X	LISN	R & S	ESH3-Z5 / 825562/002	Feb., 2011	EUT
	DC LISN	Schwarzbeck	8226 / 176	Mar, 2011	EUT
X	Pulse Limiter	R & S	ESH3-Z2 / 357.8810.52	Feb., 2011	
	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
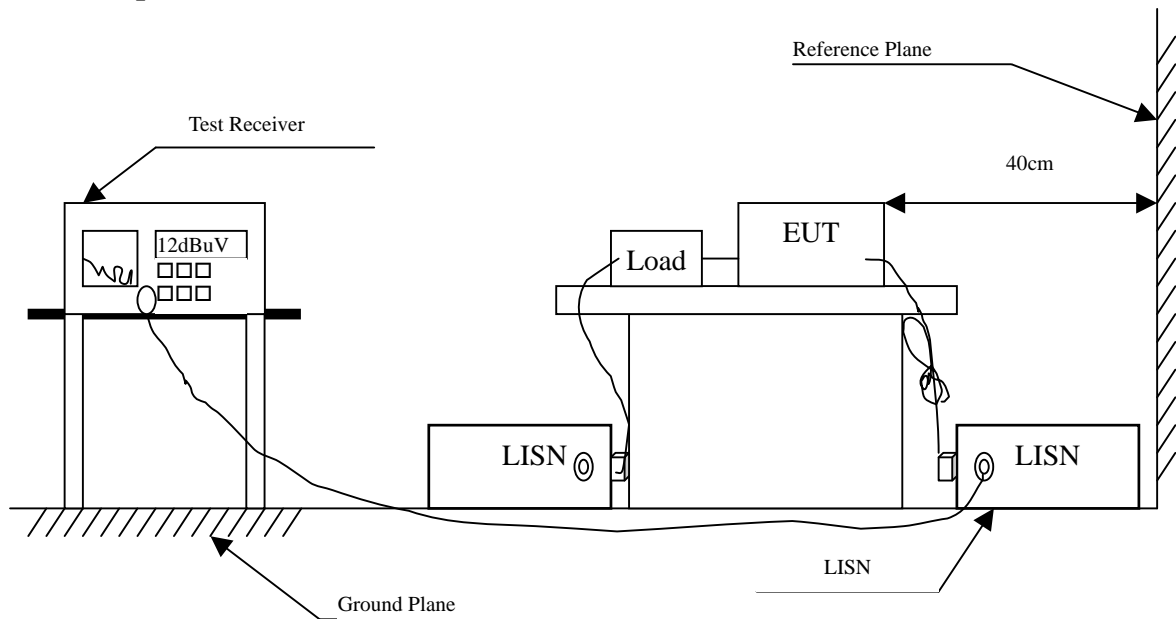
2.3. Limits

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

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.

2.5. Uncertainty

$\pm$ 2.26 dB

2.6. Test Result of Conducted Emission

Product   :   Mozart II
Test Item   :   Conducted Emission Test
Power Line :   Line 1
Test Mode :   Mode 4: Transmit (802.11n MCS0 15Mbps 40M-BW) (2437MHz) (AWOXMII0A32)

Frequency	Correct Factor	Reading Level	Measurement Level	Margin	Limit
MHz	dB	dBuV	dBuV	dB	dBuV
Line 1					
Quasi-Peak					
0.177	9.840	31.050	40.890	-24.339	65.229
0.228	9.840	24.680	34.520	-29.251	63.771
0.494	9.840	38.240	48.080	-8.091	56.171
0.666	9.840	15.440	25.280	-30.720	56.000
1.373	9.850	15.690	25.540	-30.460	56.000
12.009	10.056	14.580	24.636	-35.364	60.000
Average					
0.177	9.840	19.760	29.600	-25.629	55.229
0.228	9.840	21.600	31.440	-22.331	53.771
0.494	9.840	28.420	38.260	-7.911	46.171
0.666	9.840	9.790	19.630	-26.370	46.000
1.373	9.850	10.240	20.090	-25.910	46.000
12.009	10.056	8.340	18.396	-31.604	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 : Mozart II
Test Item : Conducted Emission Test
Power Line : Line 2
Test Mode : Mode 4: Transmit (802.11n MCS0 15Mbps 40M-BW) (2437MHz) (AWOXMII0A32)

Frequency	Correct Factor	Reading Level	Measurement Level	Margin	Limit
MHz	dB	dBuV	dBuV	dB	dBuV
Line 2					
Quasi-Peak					
0.170	9.840	33.180	43.020	-22.409	65.429
0.224	9.840	29.520	39.360	-24.526	63.886
0.478	9.840	34.380	44.220	-12.409	56.629
1.447	9.850	16.520	26.370	-29.630	56.000
10.732	10.082	14.270	24.352	-35.648	60.000
25.822	10.340	16.930	27.270	-32.730	60.000
Average					
0.170	9.840	22.350	32.190	-23.239	55.429
0.224	9.840	26.000	35.840	-18.046	53.886
0.478	9.840	24.980	34.820	-11.809	46.629
1.447	9.850	10.980	20.830	-25.170	46.000
10.732	10.082	7.920	18.002	-31.998	50.000
25.822	10.340	10.990	21.330	-28.670	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 : Mozart II
Test Item : Conducted Emission Test
Power Line : Line 1
Test Mode : Mode 4: Transmit (802.11n MCS0 15Mbps 40M-BW) (2437MHz) (AWOXMII0D32)

Frequency	Correct Factor	Reading Level	Measurement Level	Margin	Limit
MHz	dB	dBuV	dBuV	dB	dBuV
Line 1					
Quasi-Peak					
0.158	9.841	32.740	42.581	-23.190	65.771
0.224	9.840	27.010	36.850	-27.036	63.886
0.482	9.840	34.600	44.440	-12.074	56.514
0.662	9.840	19.470	29.310	-26.690	56.000
1.267	9.850	18.170	28.020	-27.980	56.000
12.619	10.077	17.410	27.487	-32.513	60.000
Average					
0.158	9.841	20.070	29.911	-25.860	55.771
0.224	9.840	25.190	35.030	-18.856	53.886
0.482	9.840	25.590	35.430	-11.084	46.514
0.662	9.840	13.060	22.900	-23.100	46.000
1.267	9.850	12.180	22.030	-23.970	46.000
12.619	10.077	11.680	21.757	-28.243	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 : Mozart II
Test Item : Conducted Emission Test
Power Line : Line 2
Test Mode : Mode 4: Transmit (802.11n MCS0 15Mbps 40M-BW) (2437MHz) (AWOXMII0D32)

Frequency	Correct Factor	Reading Level	Measurement Level	Margin	Limit
MHz	dB	dBuV	dBuV	dB	dBuV
Line 2					
Quasi-Peak					
0.166	9.840	32.660	42.500	-23.043	65.543
0.220	9.840	24.440	34.280	-29.720	64.000
0.494	9.840	38.240	48.080	-8.091	56.171
0.666	9.840	14.990	24.830	-31.170	56.000
1.580	9.850	18.780	28.630	-27.370	56.000
13.646	10.165	16.250	26.415	-33.585	60.000
Average					
0.166	9.840	22.350	32.190	-23.353	55.543
0.220	9.840	21.960	31.800	-22.200	54.000
0.494	9.840	28.310	38.150	-8.021	46.171
0.666	9.840	6.280	16.120	-29.880	46.000
1.580	9.850	12.980	22.830	-23.170	46.000
13.646	10.165	10.720	20.885	-29.115	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

3. Peak Power Output

3.1. Test Equipment

	Equipment	Manufacturer	Model No./Serial No.	Last Cal.
X	Power Meter	Anritsu	ML2495A/6K00003357	May, 2011
X	Power Sensor	Anritsu	MA2411B/0738448	Jun, 2011

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

Conducted Measurement
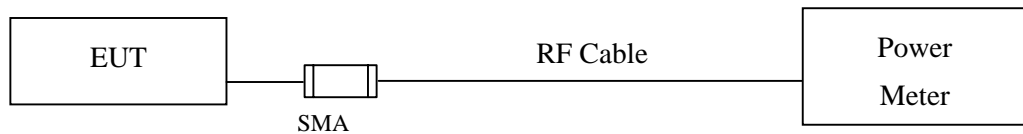
3.3. Limits

The maximum peak power shall be less 1 Watt.

3.4. Test Procedure

The EUT was tested according to DTS test procedure of Mar. 2005 KDB558074 for compliance to FCC 47CFR 15.247 requirements.

3.5. Uncertainty

± 1.27 dB

3.6. Test Result of Peak Power Output

Product   :   Mozart II
Test Item   :   Peak Power Output Data
Test Site   :   No.3 OATS
Test Mode :   Mode 1: Transmit (802.11b 1Mbps)

Channel No	Frequency (MHz)	Average Power For different Data Rate (Mbps)				Peak Power	Required Limit	Result
		1	2	5.5	11	1		
		Measurement Level (dBm)						
01	2412	17.09	--	--	--	19.58	<30dBm	Pass
06	2437	17.04	17.03	17.01	17	19.55	<30dBm	Pass
11	2462	17.32	--	--	--	19.6	<30dBm	Pass

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

Product : Mozart II
Test Item : Peak Power Output Data
Test Site : No.3 OATS
Test Mode : Mode 2: Transmit (802.11g 6Mbps)

Channel No	Frequency (MHz)	Average Power For different Data Rate (Mbps)								Peak Power	Required Limit	Result
		6	9	12	18	24	36	48	54	6		
		Measurement Level (dBm)										
01	2412	15.17	--	--	--	--	--	--	--	23.53	<30dBm	Pass
06	2437	14.97	14.96	14.64	14.63	14.61	14.6	14.58	14.57	23.36	<30dBm	Pass
11	2462	15.36	--	--	--	--	--	--	--	23.76	<30dBm	Pass

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

Product   :   Mozart II
Test Item   :   Peak Power Output Data
Test Site   :   No.3 OATS
Test Mode   :   Mode 3: Transmit (802.11n MCS0 7.2Mbps 20M-BW)

Channel No	Frequency (MHz)	Average Power For different Data Rate (Mbps)								Peak Power	Required Limit	Result
		7.2	14.4	21.7	28.9	43.3	57.8	65	72.2	7.2		
		Measurement Level (dBm)										
01	2412	13.62	--	--	--	--	--	--	--	22.37	<30dBm	Pass
06	2437	13.44	13.42	13.41	13.39	13.38	13.37	13.35	13.34	22.78	<30dBm	Pass
11	2462	13.09	--	--	--	--	--	--	--	21.87	<30dBm	Pass

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

Product   :   Mozart II
Test Item   :   Peak Power Output Data
Test Site   :   No.3 OATS
Test Mode :   Mode 4: Transmit (802.11n MCS0 15Mbps 40M-BW)

Channel No	Frequency (MHz)	Average Power For different Data Rate (Mbps)								Peak Power	Required Limit	Result
		15	30	45	60	90	120	135	150	15		
		Measurement Level (dBm)										
03	2422	13.9	--	--	--	--	--	--	--	22.3	<30dBm	Pass
06	2437	13.68	13.67	13.66	13.64	13.63	13.61	13.6	13.59	22.79	<30dBm	Pass
09	2452	13.42	--	--	--	--	--	--	--	21.87	<30dBm	Pass

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

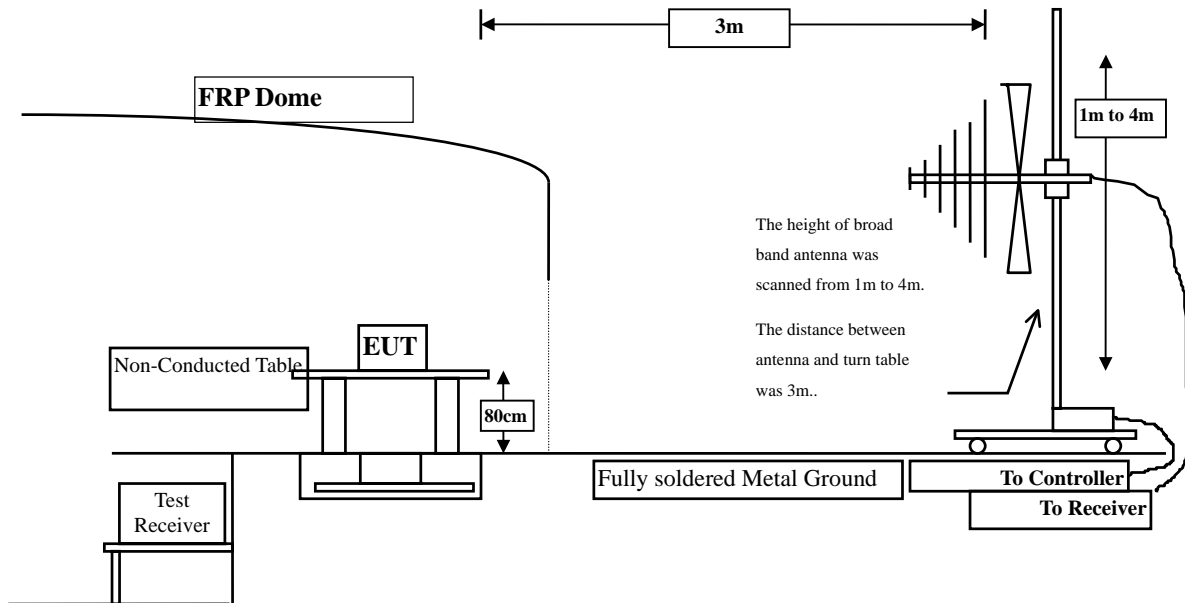## 4. Radiated Emission

4.1. Test Equipment

The following test equipment are used during the radiated emission test:

| Test Site		Equipment	Manufacturer	Model No./Serial No.	Last Cal.
☒Site # 3	X	Bilog Antenna	Schaffner Chase	CBL6112B/2673	Sep., 2011
	X	Horn Antenna	Schwarzbeck	BBHA9120D/D305	Sep., 2011
	X	Horn Antenna	Schwarzbeck	BBHA9170/208	Jul., 2011
	X	Pre-Amplifier	Agilent	8447D/2944A09549	Sep., 2011
	X	Spectrum Analyzer	Agilent	E4407B / US39440758	May, 2011
	X	Test Receiver	R & S	ESCS 30/ 825442/018	Sep., 2011
	X	Coaxial Cable	QuieTek	QTK-CABLE/ CAB5	Feb., 2011
	X	Controller	QuieTek	QTK-CONTROLLER/ CTRL3	N/A
	X	Coaxial Switch	Anritsu	MP59B/6200265729	N/A

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.

4.2. Test Setup

Radiated Emission Below 1GHz

Radiated Emission Above 1GHz
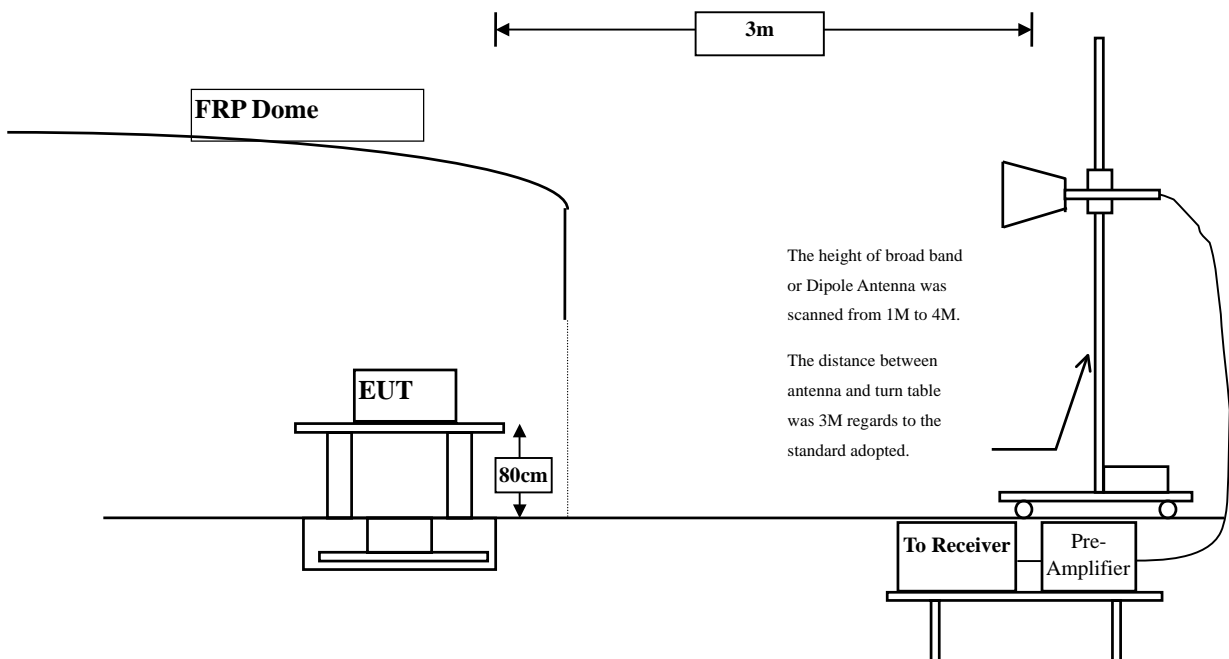
4.3. Limits

Emissions radiated outside of the specified frequency bands, except for harmonics, shall be attenuated by at least 20dB below the level of the fundamental or to the general radiated emission limits in paragraph 15.209, whichever is the lesser attenuation.

FCC Part 15 Subpart C Paragraph 15.209(a) Limits		
Frequency MHz	uV/m @3m	dBuV/m@3m
30-88	100	40
88-216	150	43.5
216-960	200	46
Above 960	500	54

Remarks: E field strength (dBuV/m) = 20 log E field strength (uV/m)

4.4. Test Procedure

The EUT was setup according to ANSI C63.4, 2003 and tested according to DTS test procedure of Mar. 2005 KDB558074 for compliance to FCC 47CFR 15.247 requirements.

The EUT is placed on a turn table which is 0.8 meter above ground. The turn table is rotated 360 degrees to determine the position of the maximum emission level. The EUT was positioned such that the distance from antenna to the EUT was 3 meters.

The antenna is scanned between 1 meter and 4 meters to find out the maximum emission level. This is repeated for both horizontal and vertical polarization of the antenna. In order to find the maximum emission, all of the interface cables were manipulated according to ANSI C63.4:2003 on radiated measurement.

The resolution bandwidth below 1GHz setting on the field strength meter is 120 kHz and above 1GHz is 1MHz.

Radiated emission measurements below 1GHz are made using broadband Bilog antenna and above 1GHz are made using Horn Antennas.

The measurement is divided into the Preliminary Measurement and the Final Measurement.

The suspected frequencies are searched for in Preliminary Measurement with the measurement antenna kept pointed at the source of the emission both in azimuth and elevation, with the polarization of the antenna oriented for maximum response. The antenna is pointed at an angle towards the source of the emission, and the EUT is rotated in both height and polarization to maximize the measured emission. The emission is kept within the illumination area of the 3 dB bandwidth of the antenna.

The worst radiated emission is measured in the Open Area Test Site on the Final Measurement.

The frequency range from 30MHz to 10th harminics is checked.

4.5. Uncertainty

± 3.9 dB above 1GHz

± 3.8 dB below 1GHz

4.6. Test Result of Radiated Emission

Product : Mozart II
Test Item : Harmonic Radiated Emission Data
Test Site : No.3 OATS
Test Mode : Mode 1: Transmit (802.11b 1Mbps) (2412MHz)

Frequency	Correct Factor	Reading Level	Measurement Level	Margin	Limit
MHz	dB	dBuV	dBuV/m	dB	dBuV/m
Horizontal					
Peak Detector:					
4824.000	3.261	49.950	53.211	-20.789	74.000
7236.000	10.650	37.820	48.470	-25.530	74.000
9648.000	13.337	37.060	50.396	-23.604	74.000
Average Detector:					
--					
Vertical					
Peak Detector:					
4824.000	6.421	47.750	54.171	-19.829	74.000
7236.000	11.495	36.750	48.245	-25.755	74.000
9648.000	13.807	37.160	50.966	-23.034	74.000
Average Detector:					
4824.000	6.421	44.820	51.241	-2.759	54.000

Note:
1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. Measurement Level = Reading Level + Correct Factor.
5. Correct Factor = Antenna factor + Cable loss –Amplifier gain.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product	:	Mozart II
Test Item	:	Harmonic Radiated Emission Data
Test Site	:	No.3 OATS
Test Mode	:	Mode 1: Transmit (802.11b 1Mbps) (2437 MHz)

Frequency	Correct Factor	Reading Level	Measurement Level	Margin	Limit
MHz	dB	dBuV	dBuV/m	dB	dBuV/m
Horizontal					
Peak Detector:					
4874.000	3.038	47.390	50.427	-23.573	74.000
7311.000	11.795	36.180	47.974	-26.026	74.000
9748.000	12.635	37.170	49.805	-24.195	74.000
Average Detector:					
--					
Vertical					
Peak Detector:					
4874.000	5.812	47.900	53.711	-20.289	74.000
7311.000	12.630	35.740	48.369	-25.631	74.000
9748.000	13.126	36.870	49.996	-24.004	74.000
Average Detector:					
--					

Note:
1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. Measurement Level = Reading Level + Correct Factor.
5. Correct Factor = Antenna factor + Cable loss –Amplifier gain.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product   :   Mozart II
Test Item   :   Harmonic Radiated Emission Data
Test Site   :   No.3 OATS
Test Mode   :   Mode 1: Transmit (802.11b 1Mbps) (2462 MHz)

Frequency	Correct Factor	Reading Level	Measurement Level	Margin	Limit
MHz	dB	dBuV	dBuV/m	dB	dBuV/m
Horizontal					
Peak Detector:					
4924.000	2.858	46.580	49.437	-24.563	74.000
7386.000	12.127	35.320	47.448	-26.552	74.000
9848.000	12.852	36.730	49.583	-24.417	74.000
Average Detector:					
--					
Vertical					
Peak Detector:					
4924.000	5.521	46.630	52.150	-21.850	74.000
7386.000	13.254	35.640	48.894	-25.106	74.000
9848.000	13.367	36.830	50.197	-23.803	74.000
Average Detector:					
--					

Note:
1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. Measurement Level = Reading Level + Correct Factor.
5. Correct Factor = Antenna factor + Cable loss –Amplifier gain.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product	:	Mozart II			
Test Item	:	Harmonic Radiated Emission Data			
Test Site	:	No.3 OATS			
Test Mode	:	Mode 2: Transmit (802.11g 6Mbps) (2412MHz)			

Frequency	Correct Factor	Reading Level	Measurement Level	Margin	Limit
MHz	dB	dBuV	dBuV/m	dB	dBuV/m
Horizontal					
Peak Detector:					
4824.000	3.261	46.090	49.351	-24.649	74.000
7236.000	10.650	36.820	47.470	-26.530	74.000
9648.000	13.337	37.020	50.356	-23.644	74.000
Average Detector:					
--					
Vertical					
Peak Detector:					
4824.000	6.421	45.650	52.071	-21.929	74.000
7236.000	11.495	37.320	48.815	-25.185	74.000
9648.000	13.807	37.260	51.066	-22.934	74.000
Average Detector:					
--					

Note:
1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. Measurement Level = Reading Level + Correct Factor.
5. Correct Factor = Antenna factor + Cable loss –Amplifier gain.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product	:	Mozart II
Test Item	:	Harmonic Radiated Emission Data
Test Site	:	No.3 OATS
Test Mode	:	Mode 2: Transmit (802.11g 6Mbps) (2437 MHz)

Frequency	Correct Factor	Reading Level	Measurement Level	Margin	Limit
MHz	dB	dBuV	dBuV/m	dB	dBuV/m
Horizontal					
Peak Detector:					
4874.000	3.038	44.400	47.437	-26.563	74.000
7311.000	11.795	36.440	48.234	-25.766	74.000
9748.000	12.635	37.140	49.775	-24.225	74.000
Average Detector:					
--					
Peak Detector:					
4874.000	5.812	44.550	50.361	-23.639	74.000
7311.000	12.630	35.890	48.519	-25.481	74.000
9748.000	13.126	36.880	50.006	-23.994	74.000
Average Detector:					
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Note:
1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. Measurement Level = Reading Level + Correct Factor.
5. Correct Factor = Antenna factor + Cable loss –Amplifier gain.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : Mozart II
Test Item : Harmonic Radiated Emission Data
Test Site : No.3 OATS
Test Mode : Mode 2: Transmit (802.11g 6Mbps) (2462 MHz)

Frequency	Correct Factor	Reading Level	Measurement Level	Margin	Limit
MHz	dB	dBuV	dBuV/m	dB	dBuV/m
Horizontal					
Peak Detector:					
4924.000	2.858	43.290	46.147	-27.853	74.000
7386.000	12.127	35.740	47.868	-26.132	74.000
9848.000	12.852	36.930	49.783	-24.217	74.000
Average Detector:					
--					
Vertical					
Peak Detector:					
4924.000	5.521	43.100	48.620	-25.380	74.000
7386.000	13.254	35.610	48.864	-25.136	74.000
9848.000	13.367	36.780	50.147	-23.853	74.000
Average Detector:					
--					

Note:
1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. Measurement Level = Reading Level + Correct Factor.
5. Correct Factor = Antenna factor + Cable loss –Amplifier gain.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product	:	Mozart II
Test Item	:	Harmonic Radiated Emission Data
Test Site	:	No.3 OATS
Test Mode	:	Mode 3: Transmit (802.11n MCS0 7.2Mbps 20M-BW)(2412MHz)

Frequency	Correct Factor	Reading Level	Measurement Level	Margin	Limit
MHz	dB	dBuV	dBuV/m	dB	dBuV/m
Horizontal					
Peak Detector:					
4824.000	3.261	44.950	48.211	-25.789	74.000
7236.000	10.650	37.000	47.650	-26.350	74.000
9648.000	13.337	36.560	49.896	-24.104	74.000
Average Detector:					
--					
Vertical					
Peak Detector:					
4824.000	6.421	44.220	50.641	-23.359	74.000
7236.000	11.495	37.100	48.595	-25.405	74.000
9648.000	13.807	36.750	50.556	-23.444	74.000

Average Detector:

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Note:
1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. Measurement Level = Reading Level + Correct Factor.
5. Correct Factor = Antenna factor + Cable loss –Amplifier gain.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product	:	Mozart II
Test Item	:	Harmonic Radiated Emission Data
Test Site	:	No.3 OATS
Test Mode	:	Mode 3: Transmit (802.11n MCS0 7.2Mbps 20M-BW) (2437 MHz)

Frequency	Correct Factor	Reading Level	Measurement Level	Margin	Limit
MHz	dB	dBuV	dBuV/m	dB	dBuV/m
Horizontal					
Peak Detector:					
4874.000	3.038	43.100	46.137	-27.863	74.000
7311.000	11.795	35.690	47.484	-26.516	74.000
9748.000	12.635	36.850	49.485	-24.515	74.000
Average Detector:					
--					
Vertical					
Peak Detector:					
4874.000	5.812	42.930	48.741	-25.259	74.000
7311.000	12.630	36.050	48.679	-25.321	74.000
9748.000	13.126	36.910	50.036	-23.964	74.000

Average Detector:

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Note:
1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. Measurement Level = Reading Level + Correct Factor.
5. Correct Factor = Antenna factor + Cable loss –Amplifier gain.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : Mozart II
Test Item : Harmonic Radiated Emission Data
Test Site : No.3 OATS
Test Mode : Mode 3: Transmit (802.11n MCS0 7.2Mbps 20M-BW) (2462 MHz)

Frequency	Correct Factor	Reading Level	Measurement Level	Margin	Limit
MHz	dB	dBuV	dBuV/m	dB	dBuV/m
Horizontal					
Peak Detector:					
4924.000	2.858	41.520	44.377	-29.623	74.000
7386.000	12.127	35.170	47.298	-26.702	74.000
9848.000	12.852	36.750	49.603	-24.397	74.000
Average Detector:					
--					
Vertical					
Peak Detector:					
4924.000	5.521	41.270	46.790	-27.210	74.000
7386.000	13.254	35.420	48.674	-25.326	74.000
9848.000	13.367	36.850	50.217	-23.783	74.000
Average Detector:					
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Note:
1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. Measurement Level = Reading Level + Correct Factor.
5. Correct Factor = Antenna factor + Cable loss –Amplifier gain.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : Mozart II
Test Item : Harmonic Radiated Emission Data
Test Site : No.3 OATS
Test Mode : Mode 4: Transmit (802.11n MCS0 15Mbps 40M-BW)(2422MHz)

Frequency	Correct Factor	Reading Level	Measurement Level	Margin	Limit
MHz	dB	dBuV	dBuV/m	dB	dBuV/m
Horizontal					
Peak Detector:					
4844.000	3.171	42.060	45.231	-28.769	74.000
7266.000	11.162	36.270	47.432	-26.568	74.000
9688.000	12.964	37.300	50.265	-23.735	74.000
Average Detector:					
--					
Vertical					
Peak Detector:					
4844.000	6.178	41.560	47.738	-26.262	74.000
7266.000	11.982	36.540	48.522	-25.478	74.000
9688.000	13.507	36.960	50.468	-23.532	74.000

Average Detector:

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Note:
1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. Measurement Level = Reading Level + Correct Factor.
5. Correct Factor = Antenna factor + Cable loss –Amplifier gain.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product	:	Mozart II
Test Item	:	Harmonic Radiated Emission Data
Test Site	:	No.3 OATS
Test Mode	:	Mode 4: Transmit (802.11n MCS0 15Mbps 40M-BW) (2437 MHz)

Frequency	Correct Factor	Reading Level	Measurement Level	Margin	Limit
MHz	dB	dBuV	dBuV/m	dB	dBuV/m
Horizontal					
Peak Detector:					
4874.000	3.038	40.790	43.827	-30.173	74.000
7311.000	11.795	35.690	47.484	-26.516	74.000
9748.000	12.635	36.780	49.415	-24.585	74.000
Average Detector:					
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Vertical					
Peak Detector:					
4874.000	5.812	39.240	45.051	-28.949	74.000
7311.000	12.630	35.800	48.429	-25.571	74.000
9748.000	13.126	37.300	50.426	-23.574	74.000

Average Detector:

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Note:
1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. Measurement Level = Reading Level + Correct Factor.
5. Correct Factor = Antenna factor + Cable loss –Amplifier gain.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product   :   Mozart II
Test Item   :   Harmonic Radiated Emission Data
Test Site   :   No.3 OATS
Test Mode   :   Mode 4: Transmit (802.11n MCS0 15Mbps 40M-BW)(2452 MHz)

Frequency	Correct Factor	Reading Level	Measurement Level	Margin	Limit
MHz	dB	dBuV	dBuV/m	dB	dBuV/m
Horizontal					
Peak Detector:					
4904.000	2.914	39.820	42.735	-31.265	74.000
7356.000	11.995	35.230	47.224	-26.776	74.000
9808.000	12.475	36.840	49.315	-24.685	74.000
Average Detector:					
--					
Vertical					
Peak Detector:					
4904.000	5.530	40.500	46.031	-27.969	74.000
7356.000	13.005	35.680	48.684	-25.316	74.000
9808.000	12.901	36.560	49.461	-24.539	74.000

Average Detector:

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Note:
1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. Measurement Level = Reading Level + Correct Factor.
5. Correct Factor = Antenna factor + Cable loss –Amplifier gain.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : Mozart II
Test Item : General Radiated Emission Data
Test Site : No.3 OATS
Test Mode : Mode 1: Transmit (802.11b 1Mbps)(2437 MHz) (AWOXMII0A32)

Frequency	Correct Factor	Reading Level	Measurement Level	Margin	Limit
MHz	dB	dBuV	dBuV/m	dB	dBuV/m
Horizontal					
113.420	-7.449	39.292	31.843	-11.657	43.500
398.600	0.879	31.849	32.728	-13.272	46.000
532.460	3.099	27.810	30.909	-15.091	46.000
747.800	3.915	26.678	30.593	-15.407	46.000
854.500	7.380	24.922	32.302	-13.698	46.000
961.200	6.810	27.239	34.049	-19.951	54.000
Vertical					
249.220	-5.096	39.461	34.365	-11.635	46.000
400.540	-2.868	40.194	37.326	-8.674	46.000
530.520	1.192	29.595	30.787	-15.213	46.000
600.360	1.302	28.488	29.790	-16.210	46.000
747.800	1.665	28.152	29.817	-16.183	46.000
854.500	-0.330	31.164	30.834	-15.166	46.000

Note:
1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. Measurement Level = Reading Level + Correct Factor.
5. Correct Factor = Antenna factor + Cable loss –Amplifier gain.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product	:	Mozart II
Test Item	:	General Radiated Emission Data
Test Site	:	No.3 OATS
Test Mode	:	Mode 2: Transmit (802.11g 6Mbps)(2437 MHz) (AWOXMII0A32)

Frequency	Correct Factor	Reading Level	Measurement Level	Margin	Limit
MHz	dB	dBuV	dBuV/m	dB	dBuV/m
Horizontal					
249.220	-6.216	37.282	31.066	-14.934	46.000
398.600	0.879	37.922	38.801	-7.199	46.000
532.460	3.099	33.603	36.702	-9.298	46.000
796.300	6.389	34.338	40.727	-5.273	46.000
854.500	7.380	32.704	40.084	-5.916	46.000
928.220	7.230	28.702	35.932	-10.068	46.000
Vertical					
132.820	-3.932	36.538	32.606	-10.894	43.500
396.660	-2.039	34.527	32.488	-13.512	46.000
600.360	1.302	28.972	30.274	-15.726	46.000
757.500	2.487	26.029	28.516	-17.484	46.000
854.500	-0.330	32.345	32.015	-13.985	46.000
928.220	3.640	31.476	35.116	-10.884	46.000

Note:
1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. Measurement Level = Reading Level + Correct Factor.
5. Correct Factor = Antenna factor + Cable loss –Amplifier gain.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product	:	Mozart II
Test Item	:	General Radiated Emission Data
Test Site	:	No.3 OATS
Test Mode	:	Mode 3: Transmit (802.11n MCS0 7.2Mbps 20M-BW)(2437 MHz) (AWOXMII0A32)

Frequency	Correct Factor	Reading Level	Measurement Level	Margin	Limit
MHz	dB	dBuV	dBuV/m	dB	dBuV/m
Horizontal					
249.220	-6.216	36.170	29.954	-16.046	46.000
431.580	0.757	33.988	34.745	-11.255	46.000
532.460	3.099	32.799	35.898	-10.102	46.000
701.240	2.759	29.535	32.294	-13.706	46.000
800.180	6.417	28.153	34.570	-11.430	46.000
930.160	7.530	29.492	37.022	-8.978	46.000
Vertical					
111.480	-3.439	38.643	35.205	-8.295	43.500
258.920	-4.900	38.595	33.695	-12.305	46.000
398.600	-2.371	37.108	34.737	-11.263	46.000
532.460	1.209	30.886	32.095	-13.905	46.000
757.500	2.487	25.456	27.943	-18.057	46.000
854.500	-0.330	32.031	31.701	-14.299	46.000

Note:
1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. Measurement Level = Reading Level + Correct Factor.
5. Correct Factor = Antenna factor + Cable loss –Amplifier gain.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product   :   Mozart II
Test Item   :   General Radiated Emission Data
Test Site   :   No.3 OATS
Test Mode   :   Mode 4: Transmit (802.11n MCS0 15Mbps 40M-BW)(2437 MHz) (AWOXMII0A32)

Frequency	Correct Factor	Reading Level	Measurement Level	Margin	Limit
MHz	dB	dBuV	dBuV/m	dB	dBuV/m
Horizontal					
115.360	-7.390	39.843	32.454	-11.046	43.500
249.220	-6.216	34.453	28.237	-17.763	46.000
429.640	0.630	31.085	31.714	-14.286	46.000
602.300	3.794	29.284	33.078	-12.922	46.000
825.400	7.346	29.332	36.678	-9.322	46.000
875.840	5.816	32.189	38.005	-7.995	46.000
Vertical					
159.980	-5.120	37.532	32.411	-11.089	43.500
396.660	-2.039	35.555	33.516	-12.484	46.000
532.460	1.209	30.708	31.917	-14.083	46.000
598.420	1.114	29.547	30.661	-15.339	46.000
778.840	2.580	27.682	30.262	-15.738	46.000
854.500	-0.330	32.230	31.900	-14.100	46.000

Note:
1.   All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2.   Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3.   Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4.   Measurement Level = Reading Level + Correct Factor.
5.   Correct Factor = Antenna factor + Cable loss –Amplifier gain.
6.   The average measurement was not performed when the peak measured data under the limit of average detection.
7.   The emission levels of other frequencies are very lower than the limit and not show in test report.

Product   :   Mozart II
Test Item   :   General Radiated Emission Data
Test Site   :   No.3 OATS
Test Mode   :   Mode 1: Transmit (802.11b 1Mbps)(2437 MHz) (AWOXMII0D32)

Frequency	Correct Factor	Reading Level	Measurement Level	Margin	Limit
MHz	dB	dBuV	dBuV/m	dB	dBuV/m
Horizontal					
99.840	-7.471	36.210	28.739	-14.761	43.500
251.160	-5.745	39.004	33.259	-12.741	46.000
507.240	0.759	36.175	36.934	-9.066	46.000
699.300	2.875	34.559	37.434	-8.566	46.000
961.200	6.450	33.454	39.904	-14.096	54.000
996.120	7.669	37.044	44.713	-9.287	54.000
Vertical					
117.300	-3.106	35.988	32.882	-10.618	43.500
353.980	-3.652	35.353	31.701	-14.299	46.000
507.240	-0.471	38.406	37.935	-8.065	46.000
664.380	-1.918	38.641	36.723	-9.277	46.000
747.800	2.166	34.261	36.427	-9.573	46.000
996.120	4.019	39.429	43.448	-10.552	54.000

Note:
1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. Measurement Level = Reading Level + Correct Factor.
5. Correct Factor = Antenna factor + Cable loss –Amplifier gain.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product	:	Mozart II
Test Item	:	General Radiated Emission Data
Test Site	:	No.3 OATS
Test Mode	:	Mode 2: Transmit (802.11g 6Mbps)(2437 MHz) (AWOXMII0D32)

Frequency	Correct Factor	Reading Level	Measurement Level	Margin	Limit
MHz	dB	dBuV	dBuV/m	dB	dBuV/m
Horizontal					
299.660	-3.585	36.804	33.219	-12.781	46.000
507.240	0.759	40.597	41.356	-4.644	46.000
664.380	2.062	33.961	36.023	-9.977	46.000
747.800	3.296	31.443	34.739	-11.261	46.000
854.500	6.626	28.887	35.513	-10.487	46.000
961.200	6.450	33.932	40.382	-13.618	54.000
Vertical					
105.660	-0.253	34.288	34.035	-9.465	43.500
365.620	-2.179	35.152	32.973	-13.027	46.000
507.240	-0.471	43.582	43.111	-2.889	46.000
703.180	0.139	42.107	42.245	-3.755	46.000
807.940	3.586	31.083	34.668	-11.332	46.000
961.200	7.260	41.684	48.944	-5.056	54.000

Note:
1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. Measurement Level = Reading Level + Correct Factor.
5. Correct Factor = Antenna factor + Cable loss –Amplifier gain.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product	:	Mozart II
Test Item	:	General Radiated Emission Data
Test Site	:	No.3 OATS
Test Mode	:	Mode 3: Transmit (802.11n MCS0 7.2Mbps 20M-BW)(2437 MHz) (AWOXMII0D32)

Frequency	Correct Factor	Reading Level	Measurement Level	Margin	Limit
MHz	dB	dBuV	dBuV/m	dB	dBuV/m
Horizontal					
115.360	-8.770	37.586	28.816	-14.684	43.500
303.540	-3.074	37.087	34.013	-11.987	46.000
507.240	0.759	40.323	41.082	-4.918	46.000
664.380	2.062	41.327	43.389	-2.611	46.000
747.800	3.296	32.265	35.561	-10.439	46.000
961.200	6.450	34.996	41.446	-12.554	54.000
Vertical					
119.240	-3.541	37.348	33.807	-9.693	43.500
344.280	-3.171	37.081	33.911	-12.089	46.000
507.240	-0.471	43.847	43.376	-2.624	46.000
664.380	-1.918	38.789	36.871	-9.129	46.000
747.800	2.166	34.007	36.173	-9.827	46.000
961.200	7.260	40.378	47.638	-6.362	54.000

Note:
1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. Measurement Level = Reading Level + Correct Factor.
5. Correct Factor = Antenna factor + Cable loss –Amplifier gain.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product   :   Mozart II
Test Item   :   General Radiated Emission Data
Test Site   :   No.3 OATS
Test Mode   :   Mode 4: Transmit (802.11n MCS0 15Mbps 40M-BW)(2437 MHz) (AWOXMII0D32)

Frequency	Correct Factor	Reading Level	Measurement Level	Margin	Limit
MHz	dB	dBuV	dBuV/m	dB	dBuV/m
Horizontal					
119.240	-9.621	38.392	28.771	-14.729	43.500
357.860	-2.084	32.262	30.178	-15.822	46.000
507.240	0.759	39.802	40.561	-5.439	46.000
666.320	2.031	32.286	34.318	-11.682	46.000
854.500	6.626	28.584	35.210	-10.790	46.000
961.200	6.450	34.678	41.128	-12.872	54.000
Vertical					
99.840	-0.021	35.631	35.610	-7.890	43.500
332.640	-4.914	37.439	32.525	-13.475	46.000
507.240	-0.471	43.747	43.276	-2.724	46.000
664.380	-1.918	38.004	36.086	-9.914	46.000
747.800	2.166	34.491	36.657	-9.343	46.000
961.200	7.260	40.513	47.773	-6.227	54.000

Note:
1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. Measurement Level = Reading Level + Correct Factor.
5. Correct Factor = Antenna factor + Cable loss –Amplifier gain.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The emission levels of other frequencies are very lower than the limit and not show in test report.

5.   RF antenna conducted test

5.1.   Test Equipment

	Equipment	Manufacturer	Model No./Serial No.	Last Cal.
	Spectrum Analyzer	R&S	FSP40 / 100170	Jun, 2011
	Spectrum Analyzer	Agilent	E4407B / US39440758	Jun, 2011
X	Spectrum Analyzer	Agilent	N9010A / MY48030495	Apr., 2011

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.

5.2.   Test Setup

RF antenna Conducted Measurement:
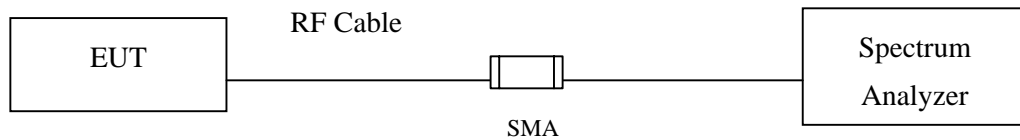
5.3.   Limits

In any 100 kHz bandwidth outside the frequency band in which the spread spectrum intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement. Attenuation below the general limits specified in Section 15.209(a) is not required. In addition, radiated emissions which fall in the restricted bands, as defined in Section 15.205(a), must also comply with the radiated emission limits specified in Section 15.209(a) (see Section 15.205(c)).

5.4.   Test Procedure

The EUT was tested according to DTS test procedure of Mar. 2005 KDB558074 for compliance to FCC 47CFR 15.247 requirements.

Set RBW = 100 kHz, Set VBW> RBW, scan up through 10th harmonic.

5.5. Uncertainty

The measurement uncertainty

Conducted is defined as $\pm$ 1.27dB

5.6. Test Result of RF antenna conducted test
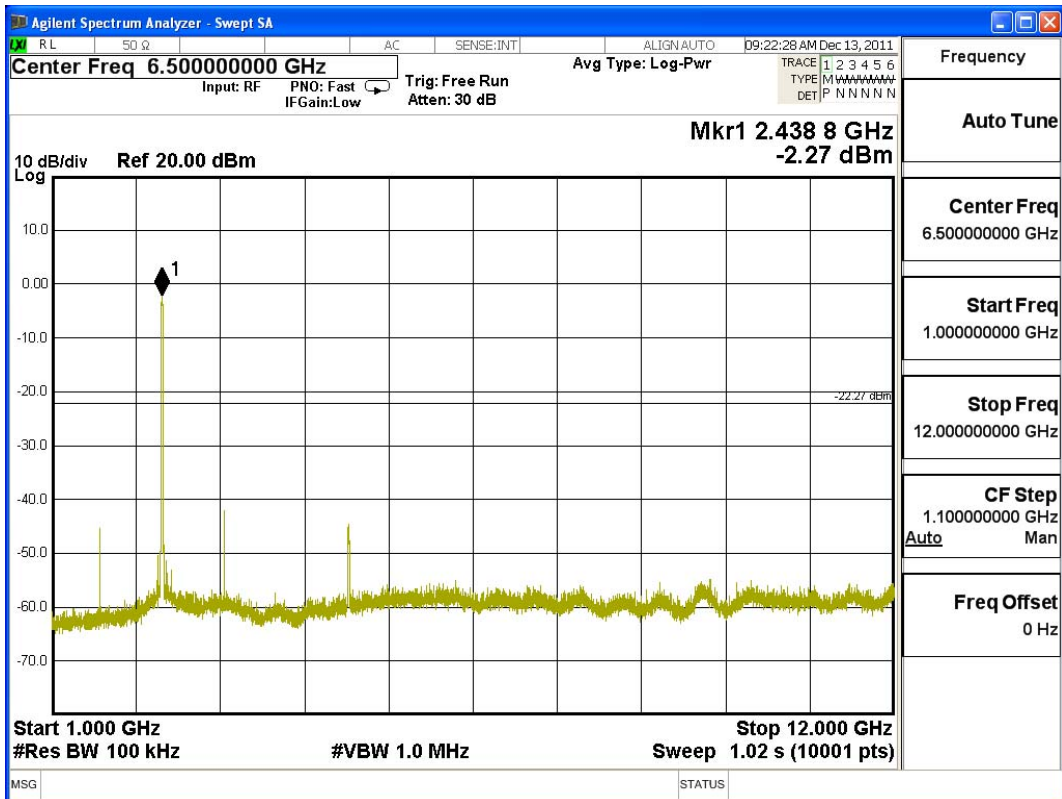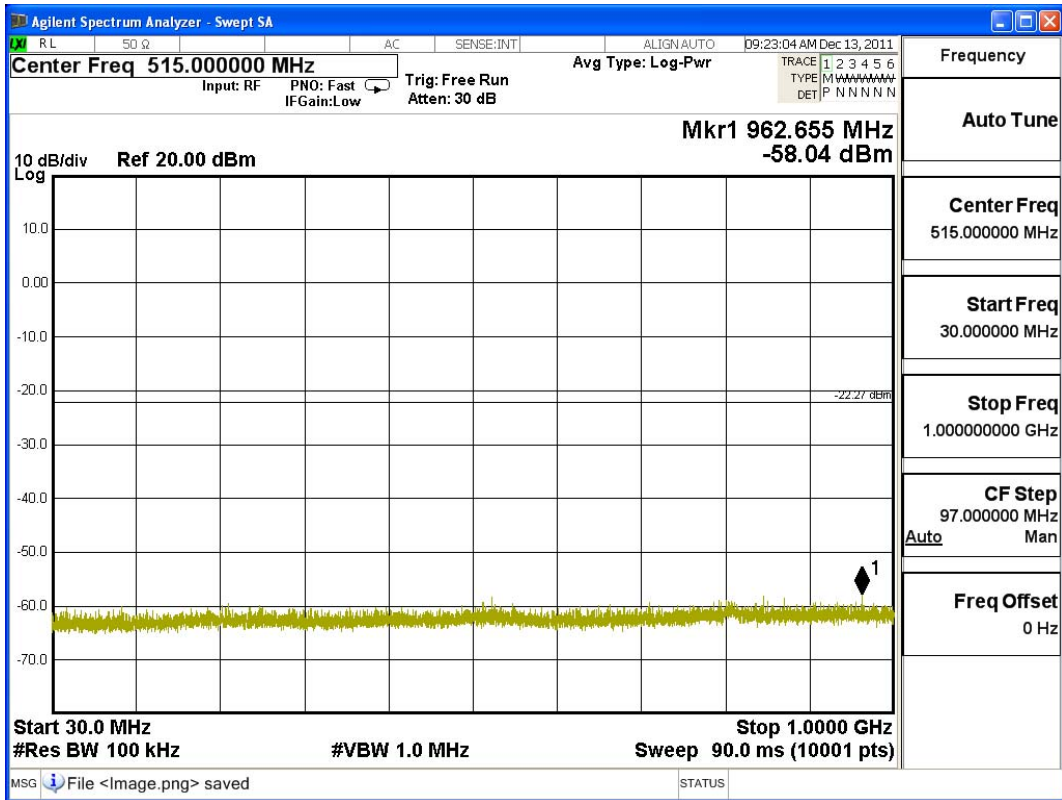
Product : Mozart II
Test Item : RF antenna conducted test
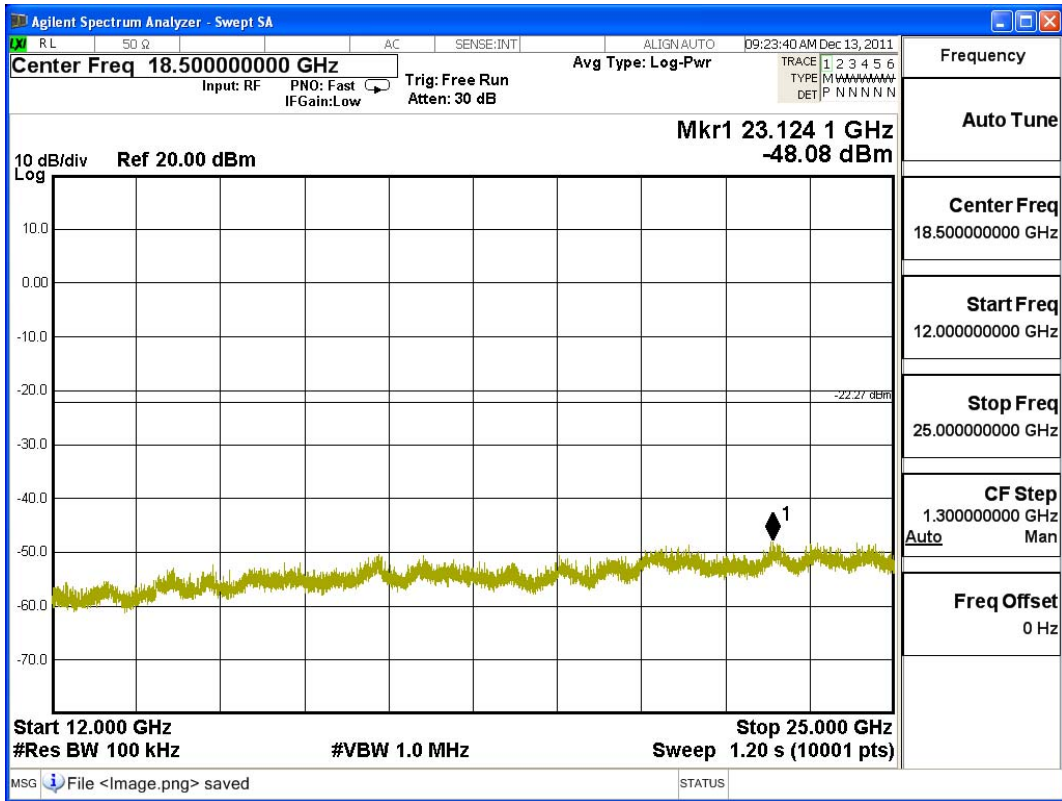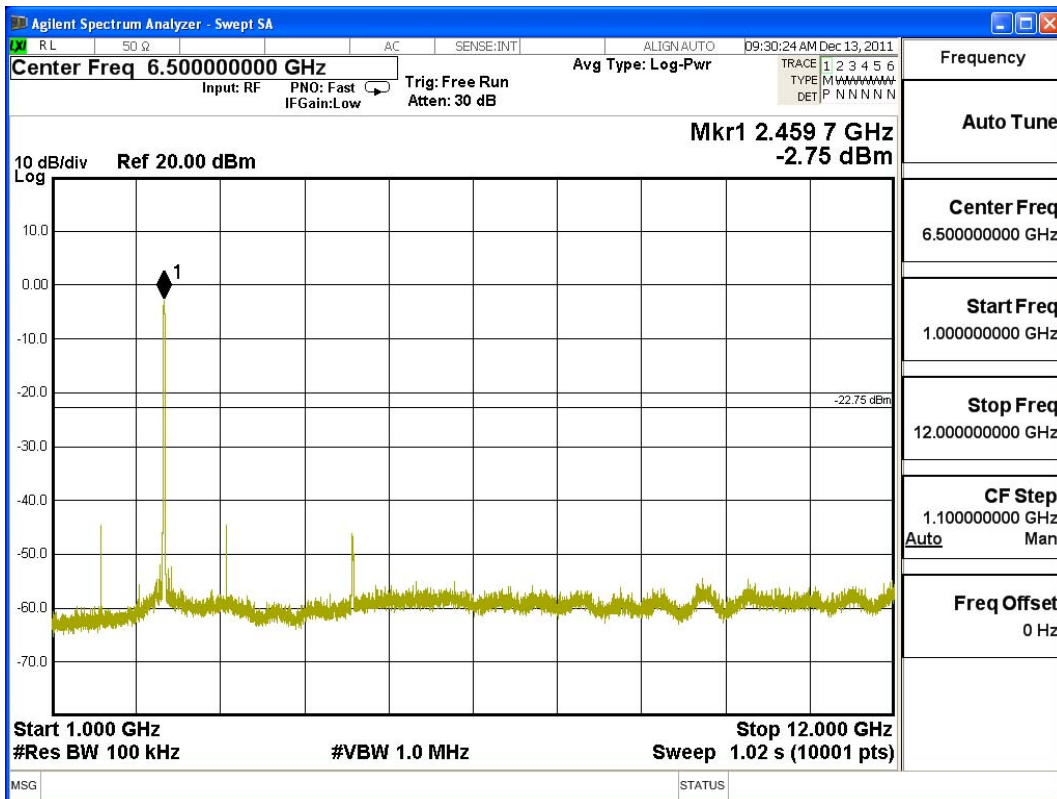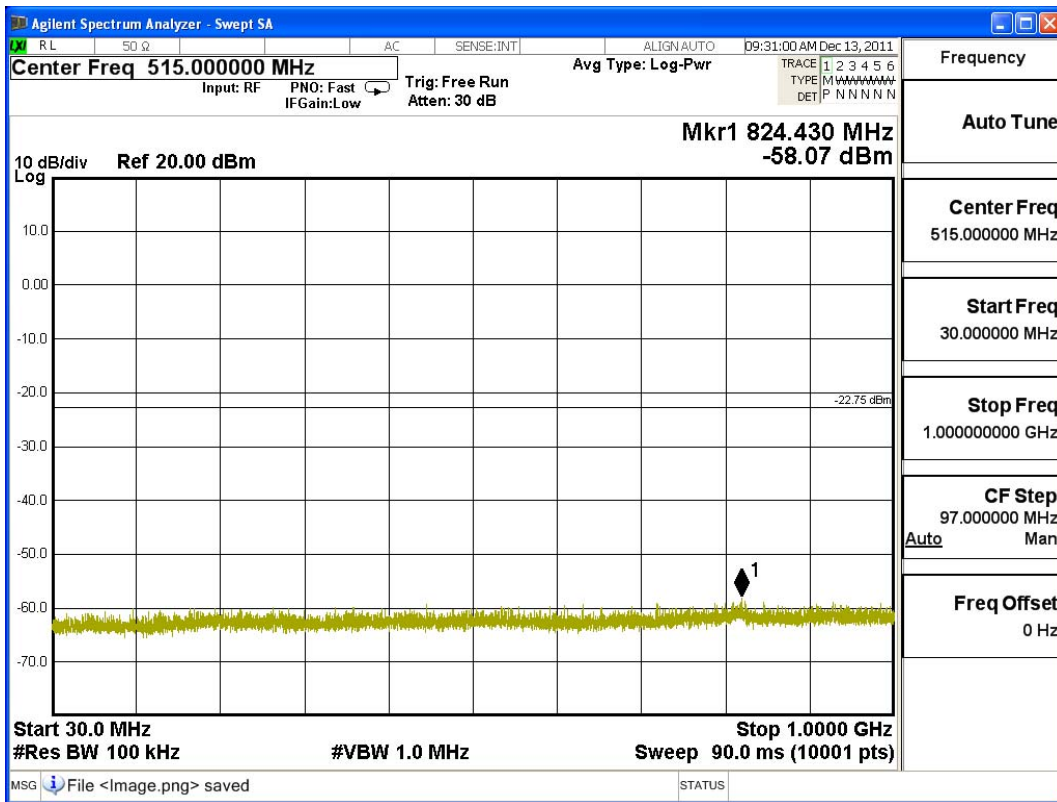Test Site : No.3 OATS
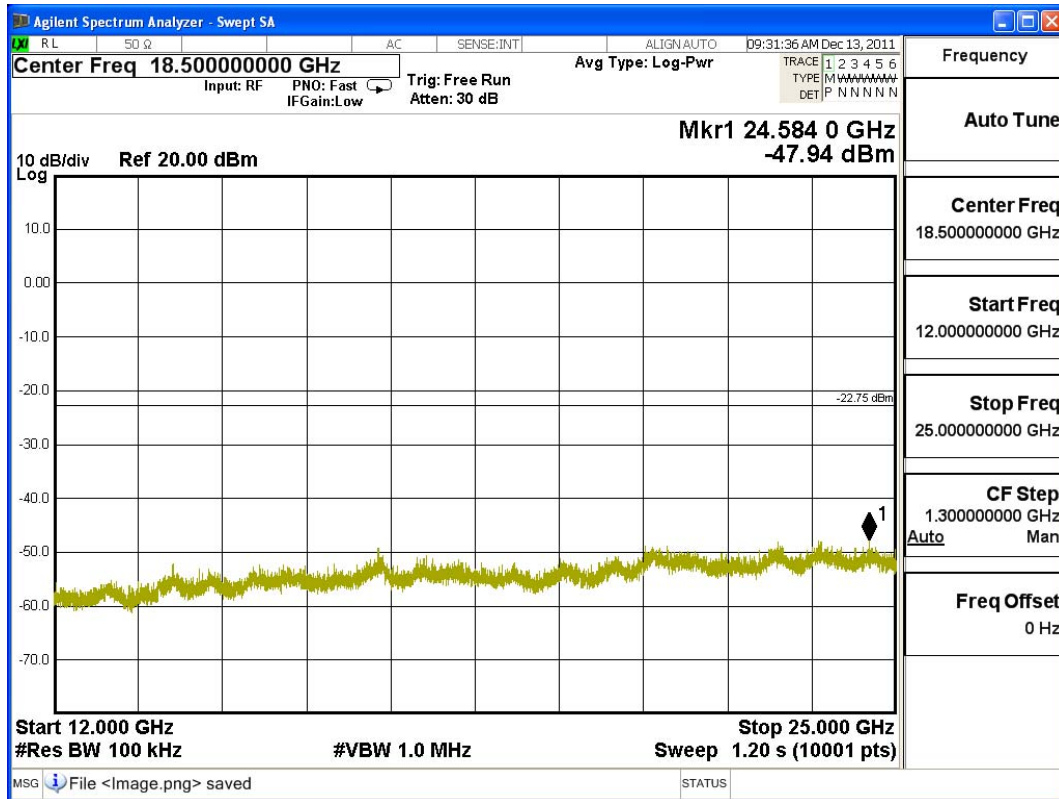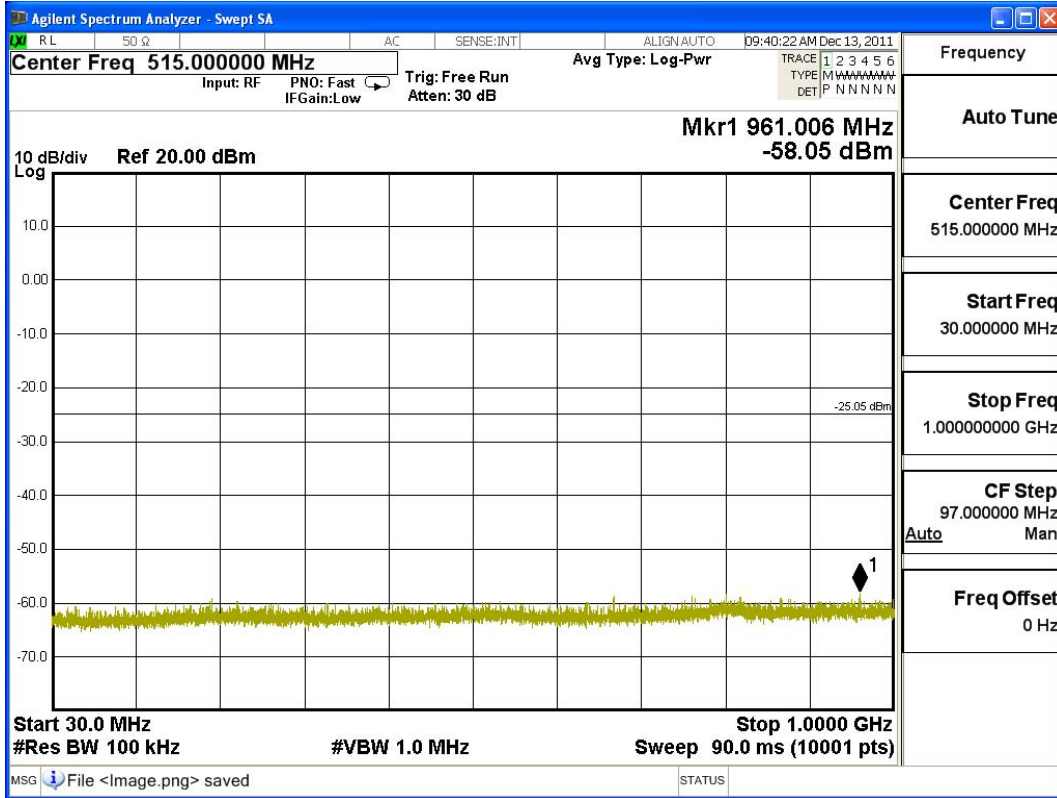Test Mode : Mode 1: Transmit (802.11b 1Mbps)
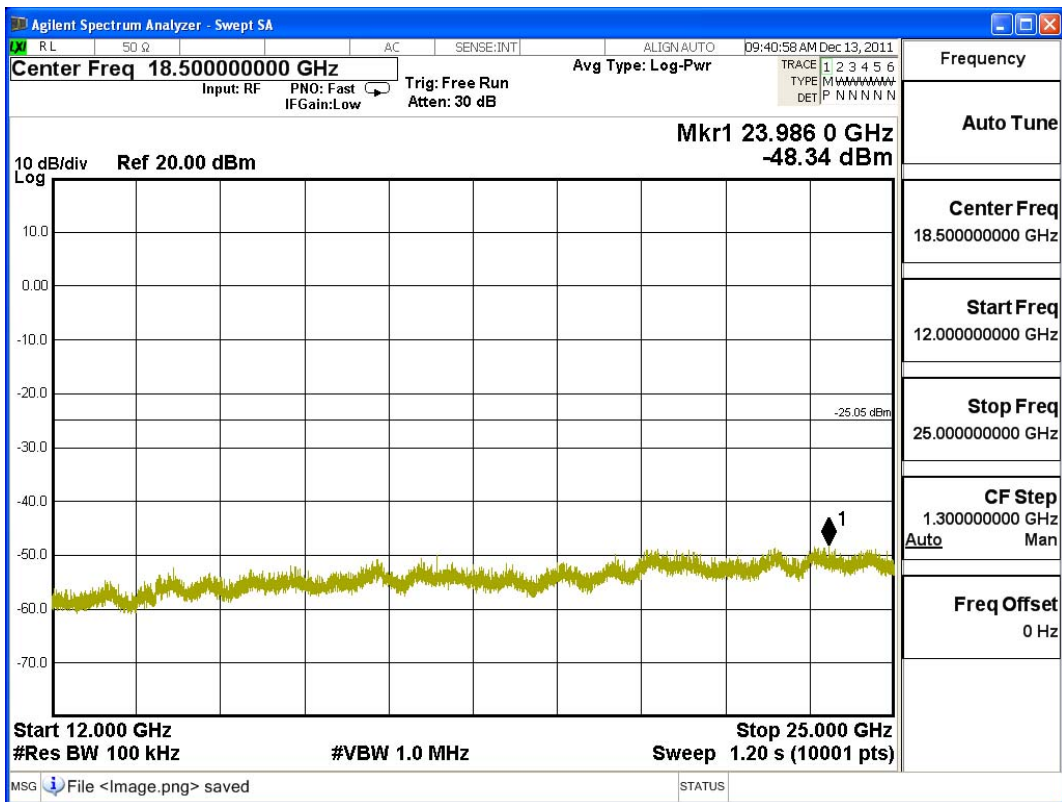
Channel 01 (2412MHz)
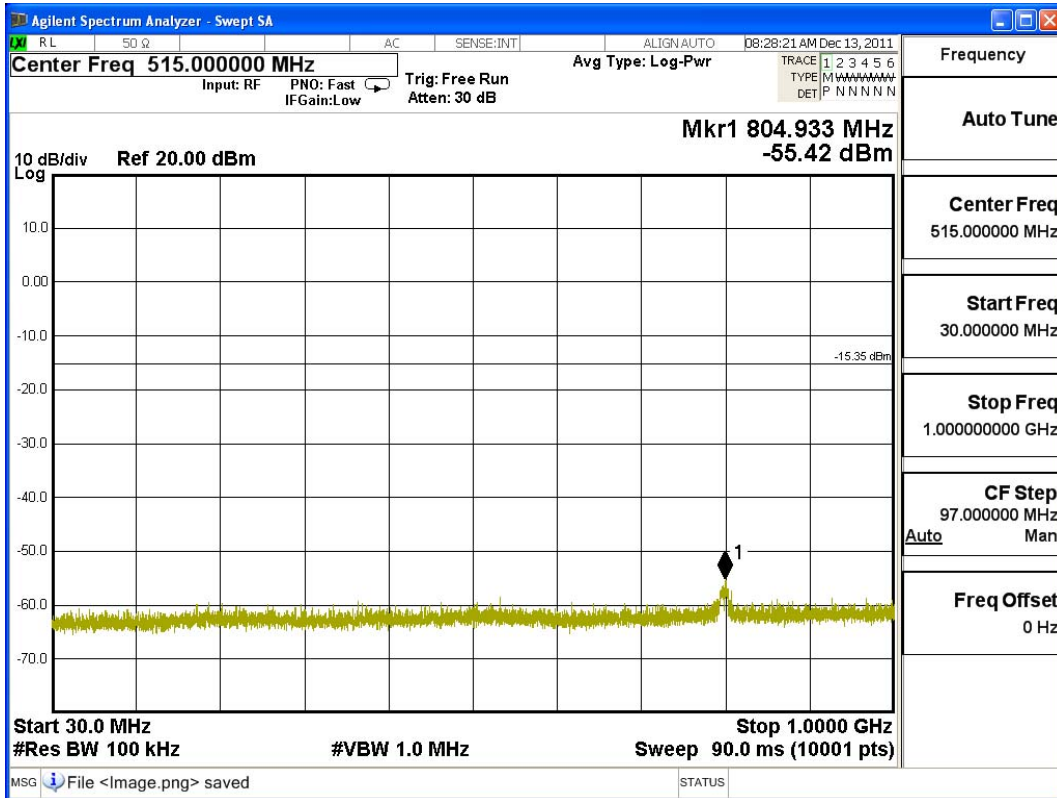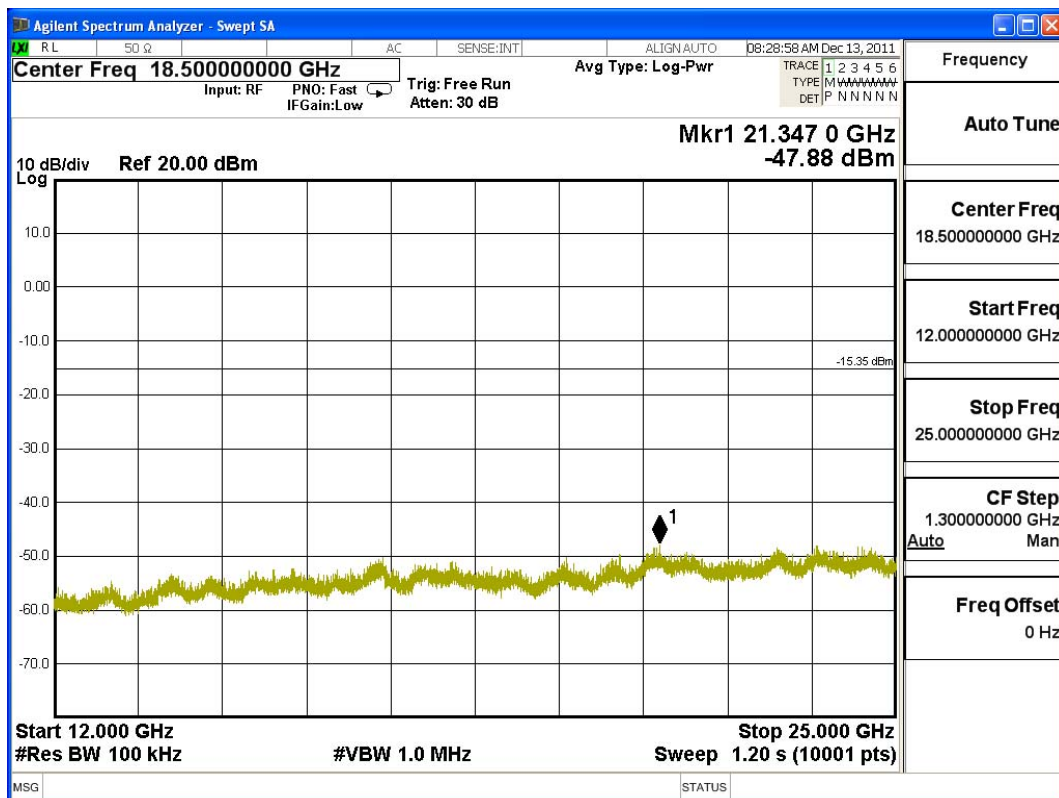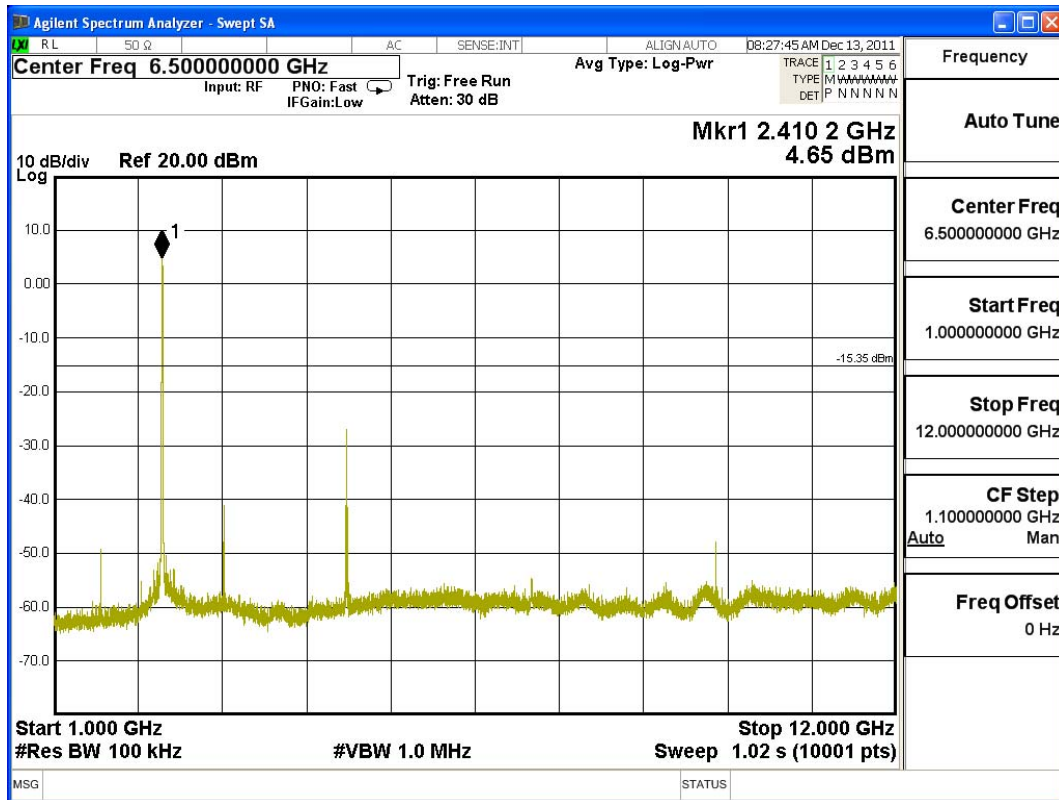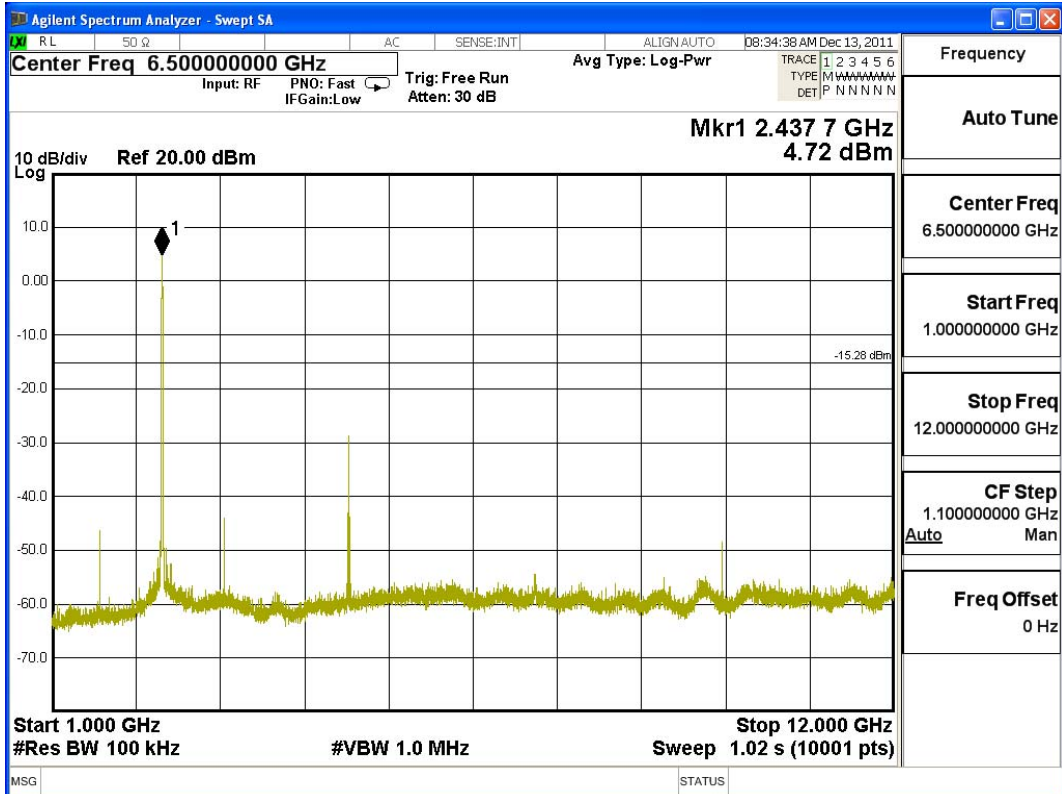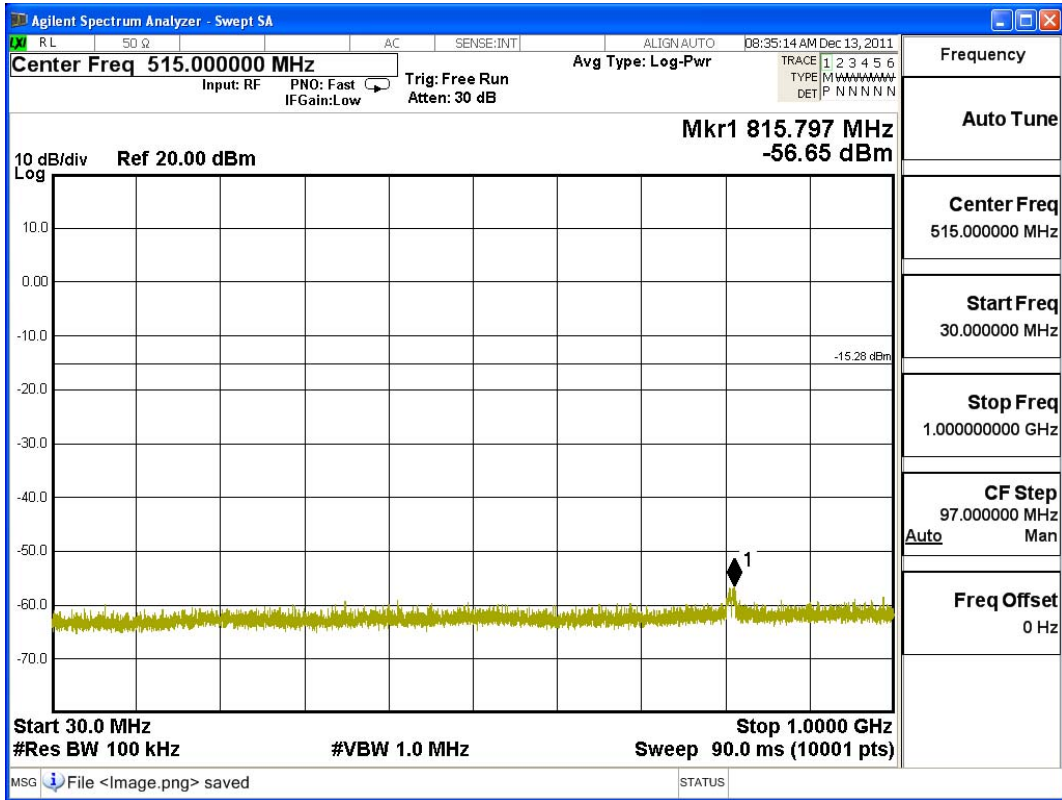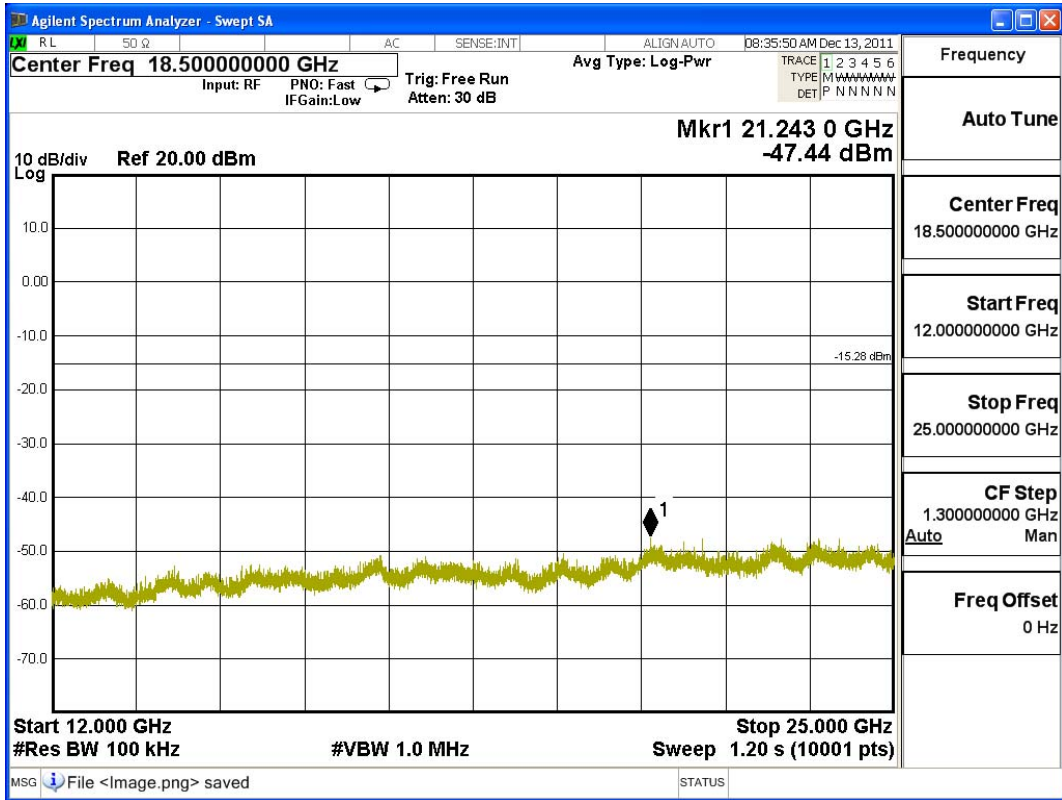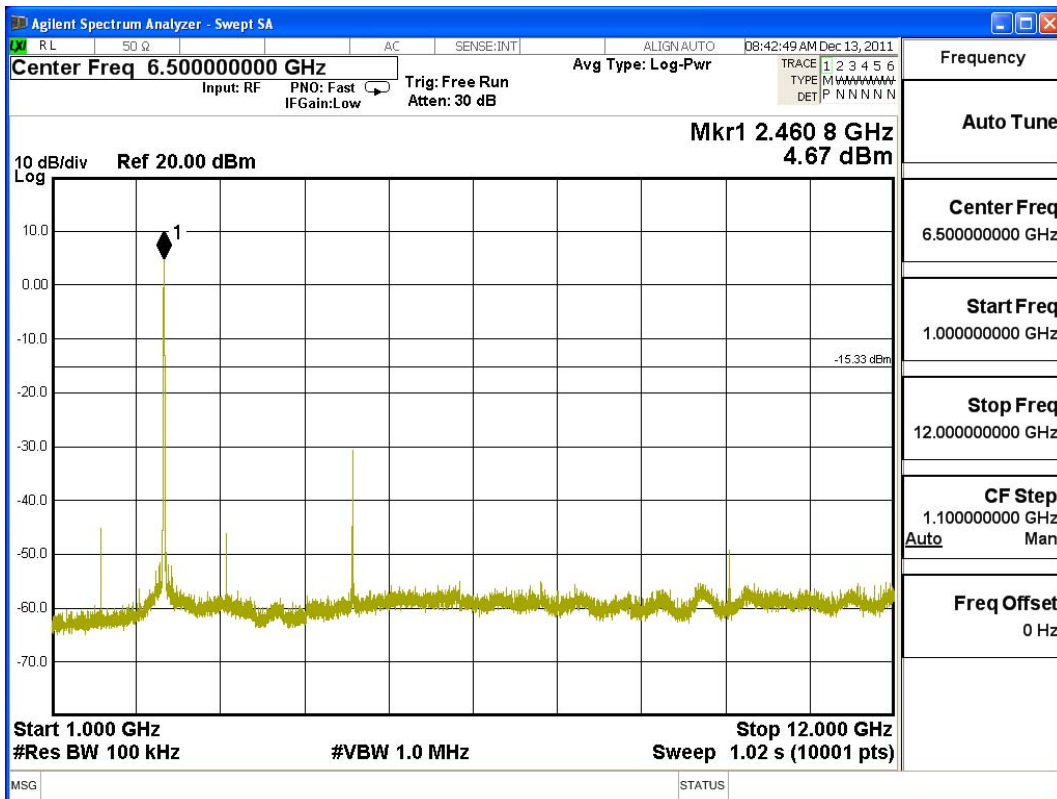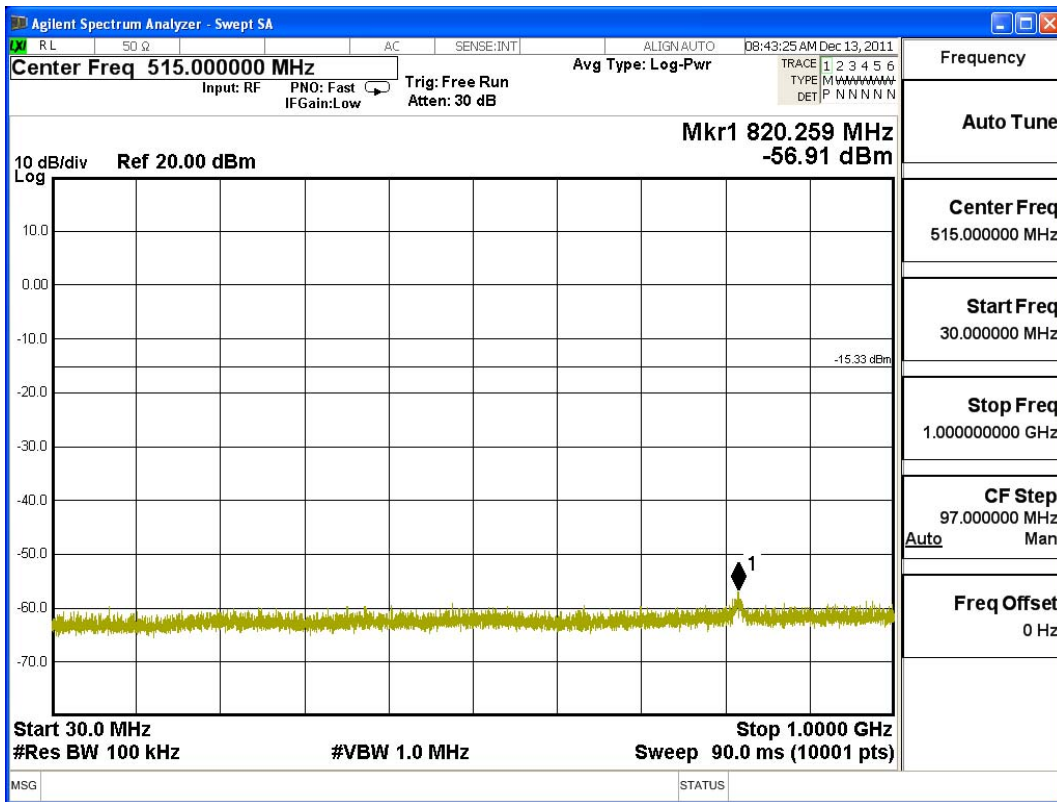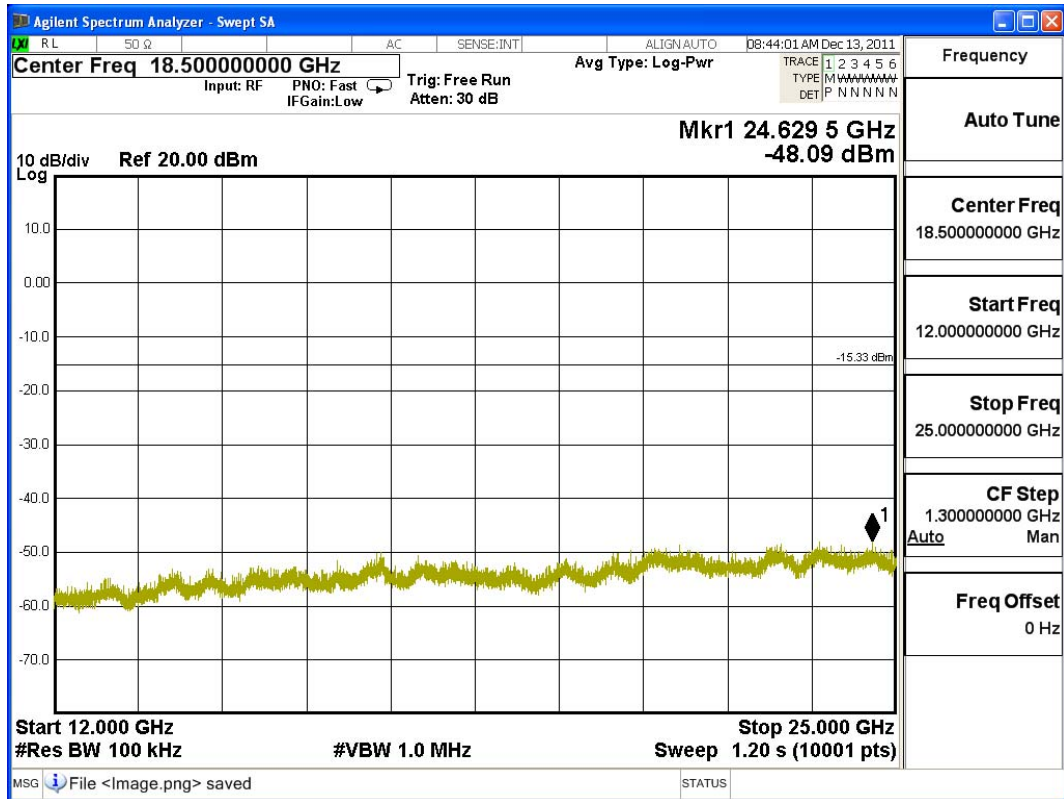
Channel 06 (2437MHz)

Channel 11 (2462MHz)

Product   :   Mozart II
Test Item   :   RF Antenna Conducted Spurious
Test Site   :   No.3 OATS
Test Mode   :   Mode 2: Transmit (802.11g 6Mbps)

Channel 01 (2412MHz)
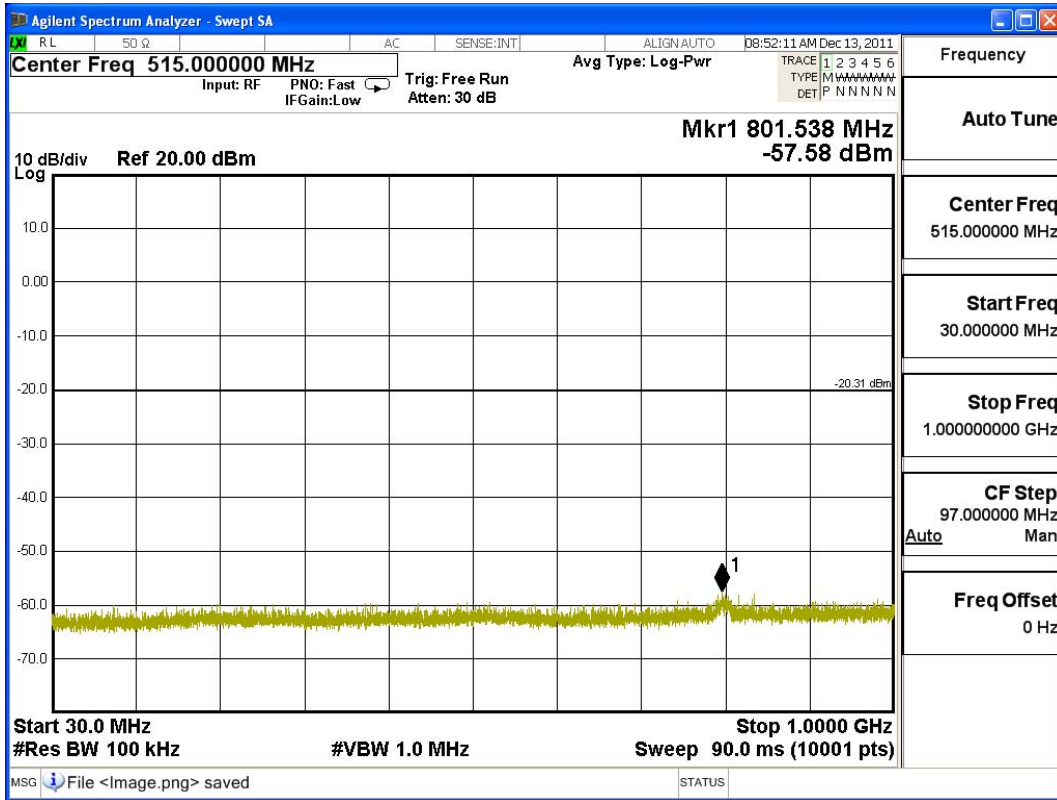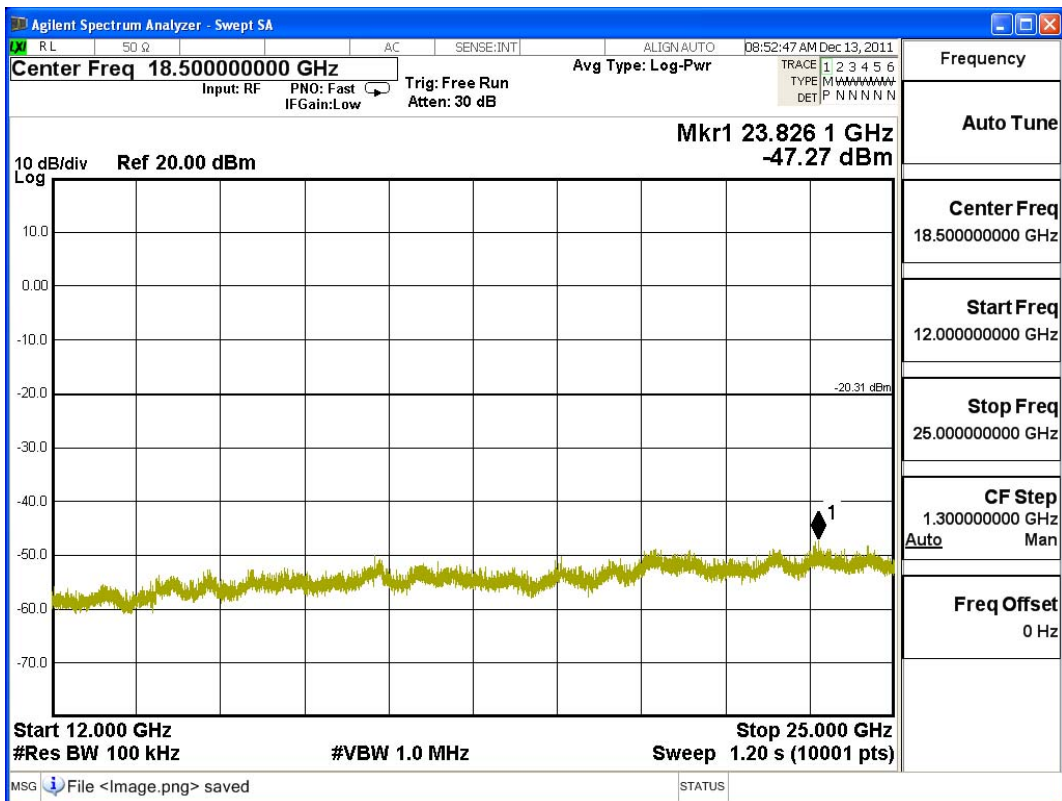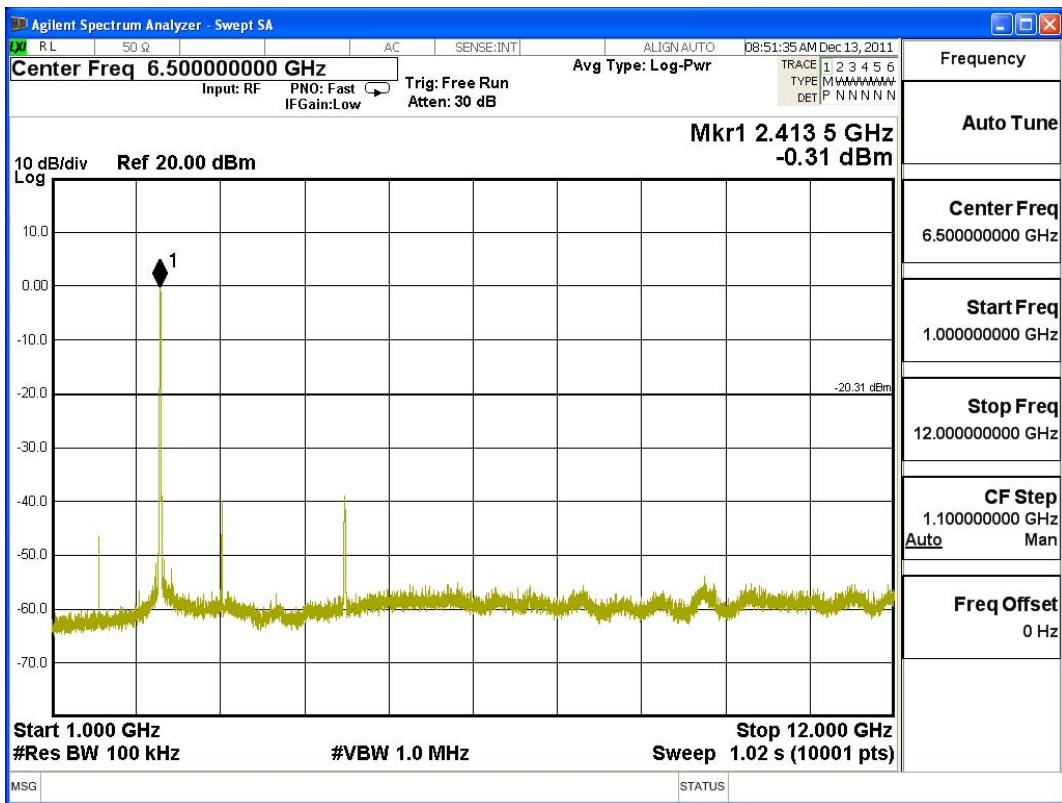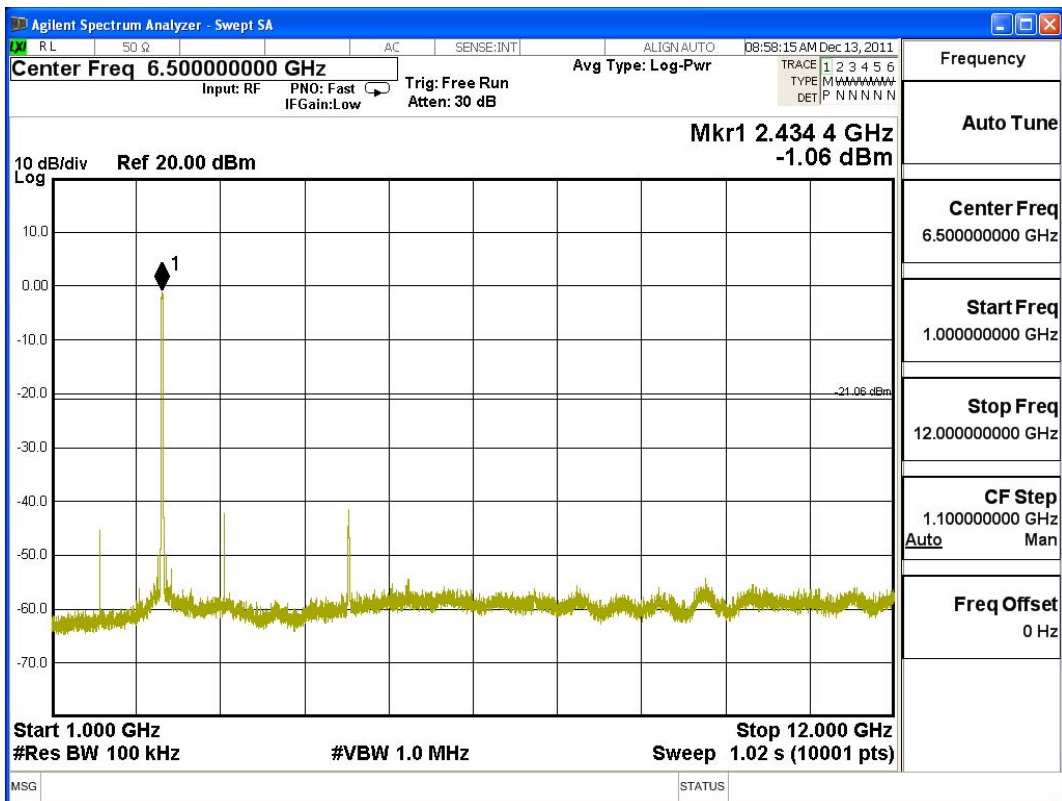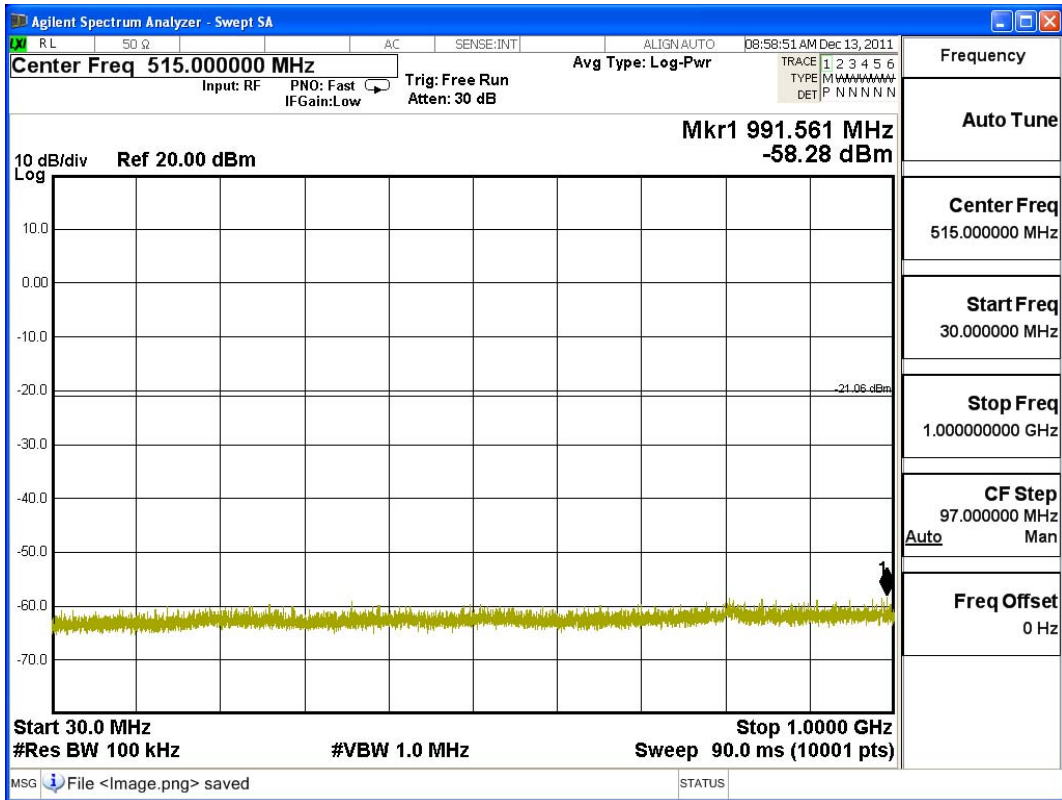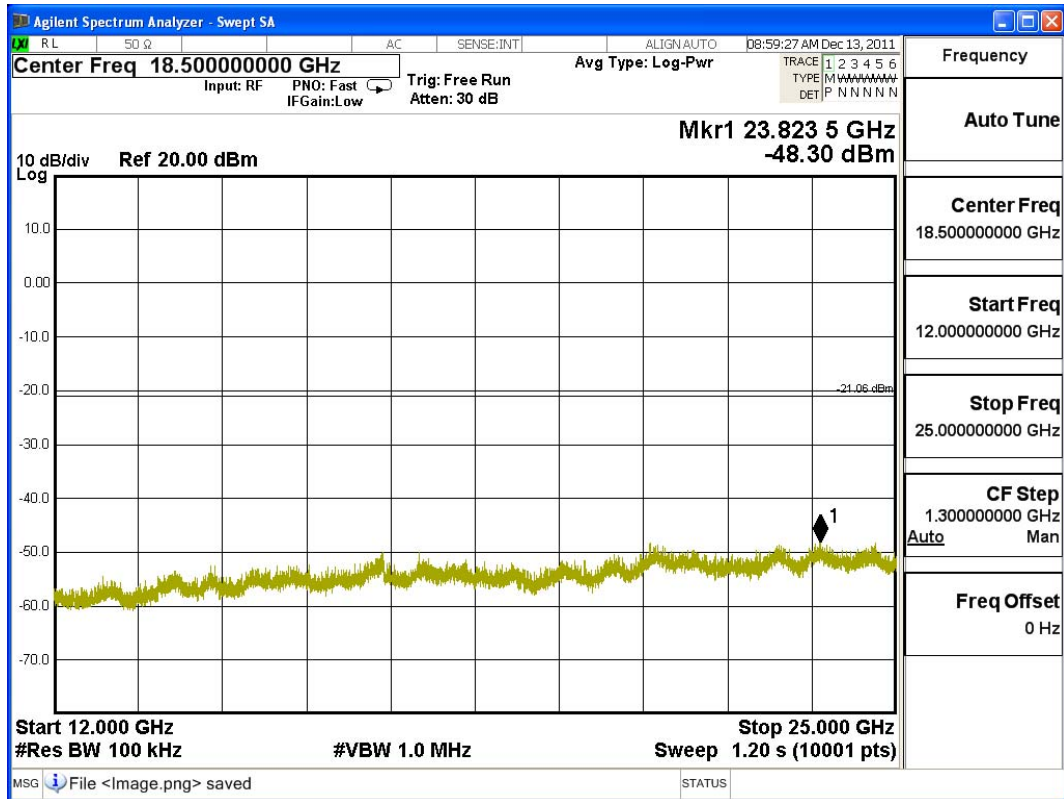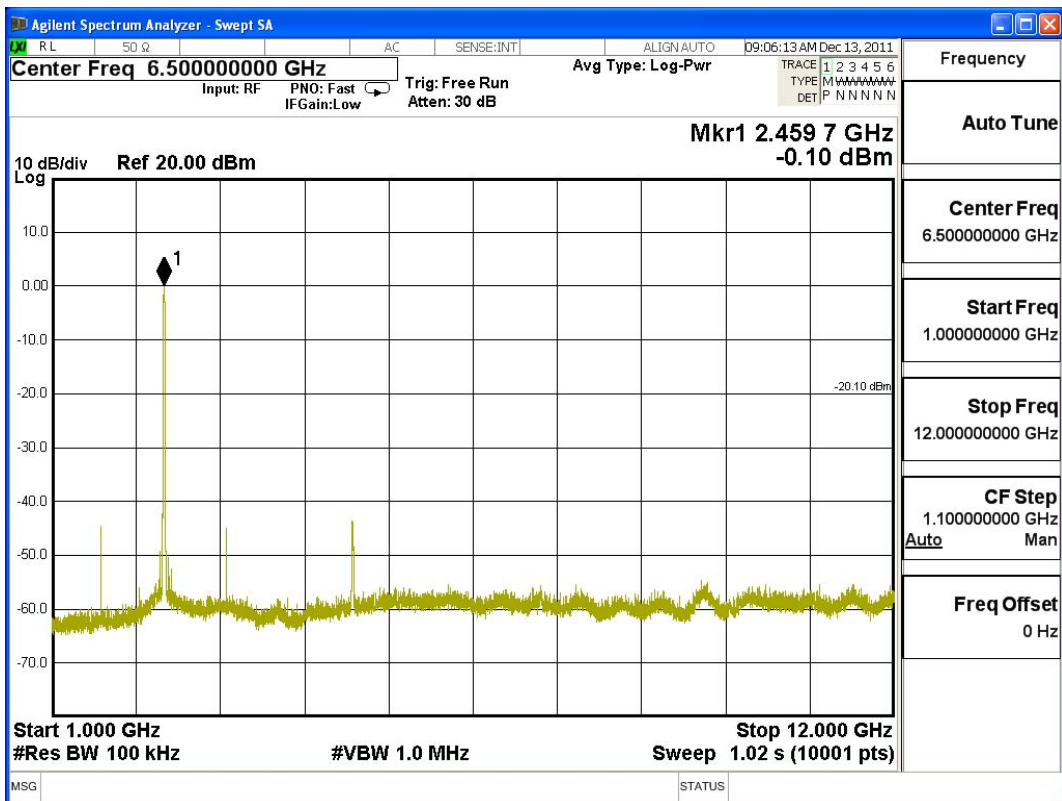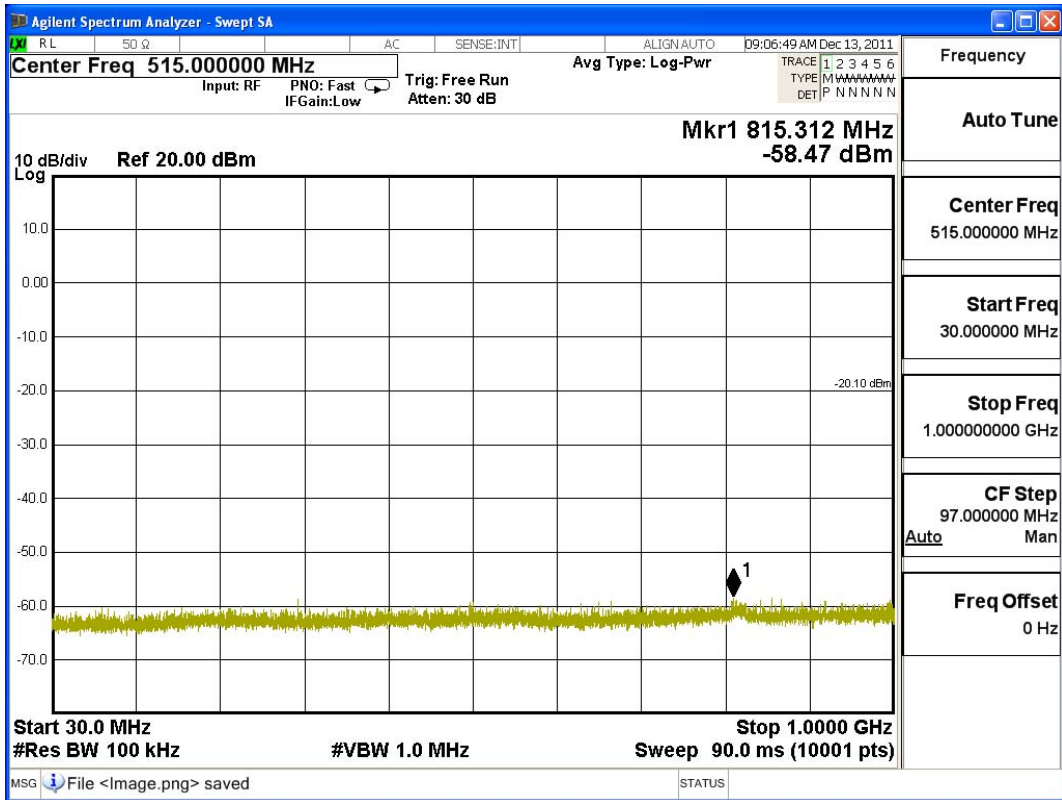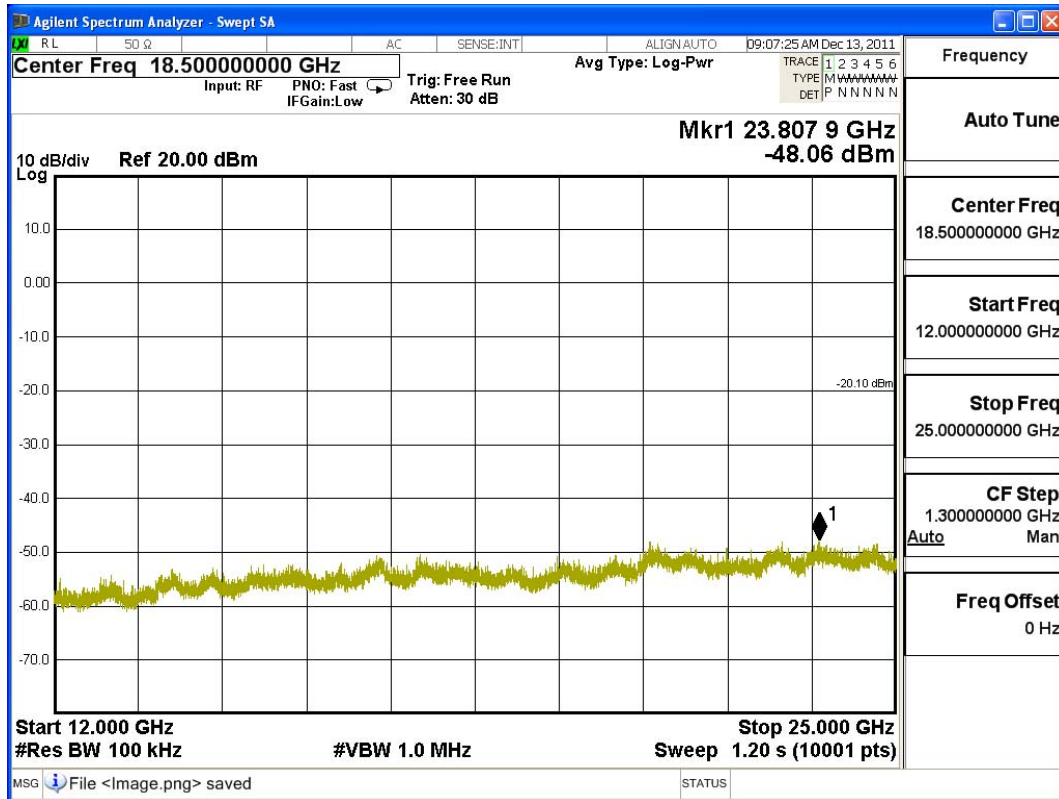
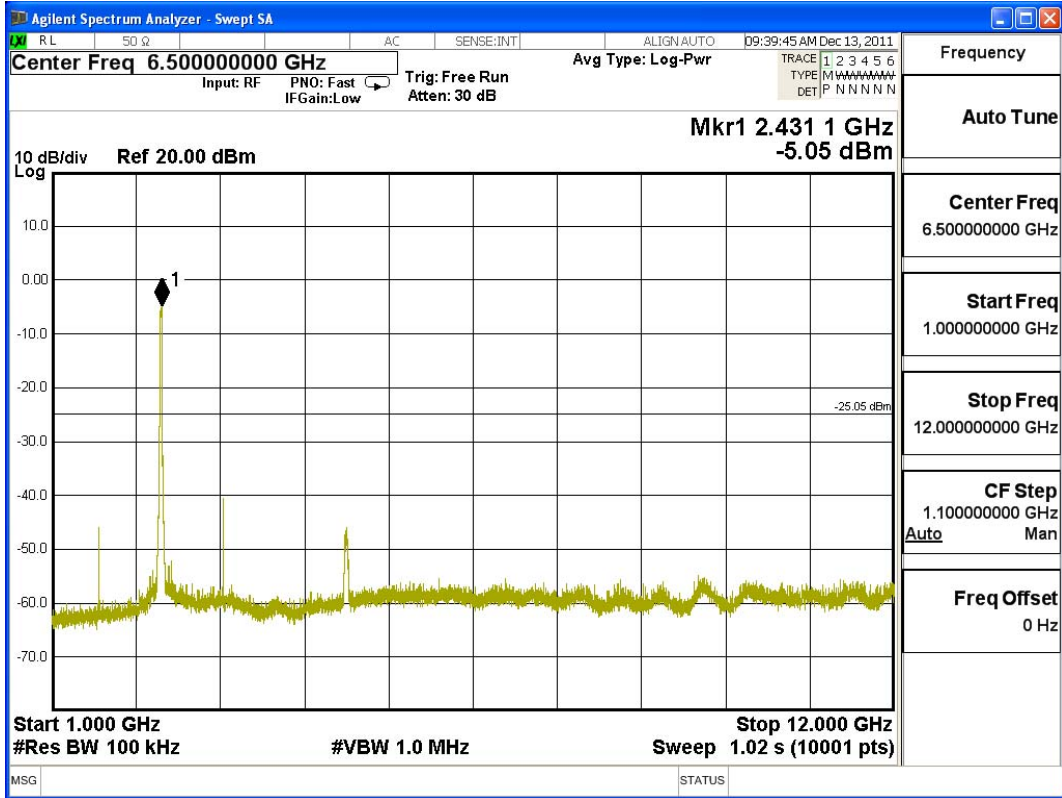## Channel 06 (2437MHz)

Channel 11 (2462MHz)

Product : Mozart II
Test Item : RF Antenna Conducted Spurious
Test Site : No.3 OATS
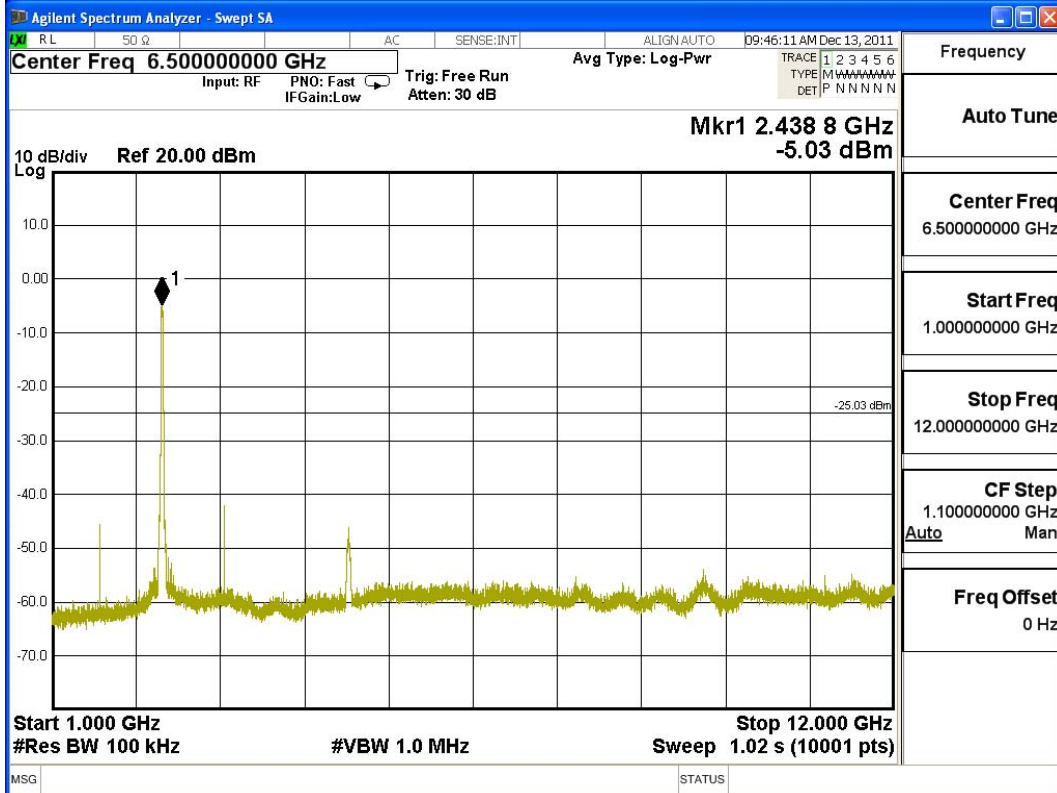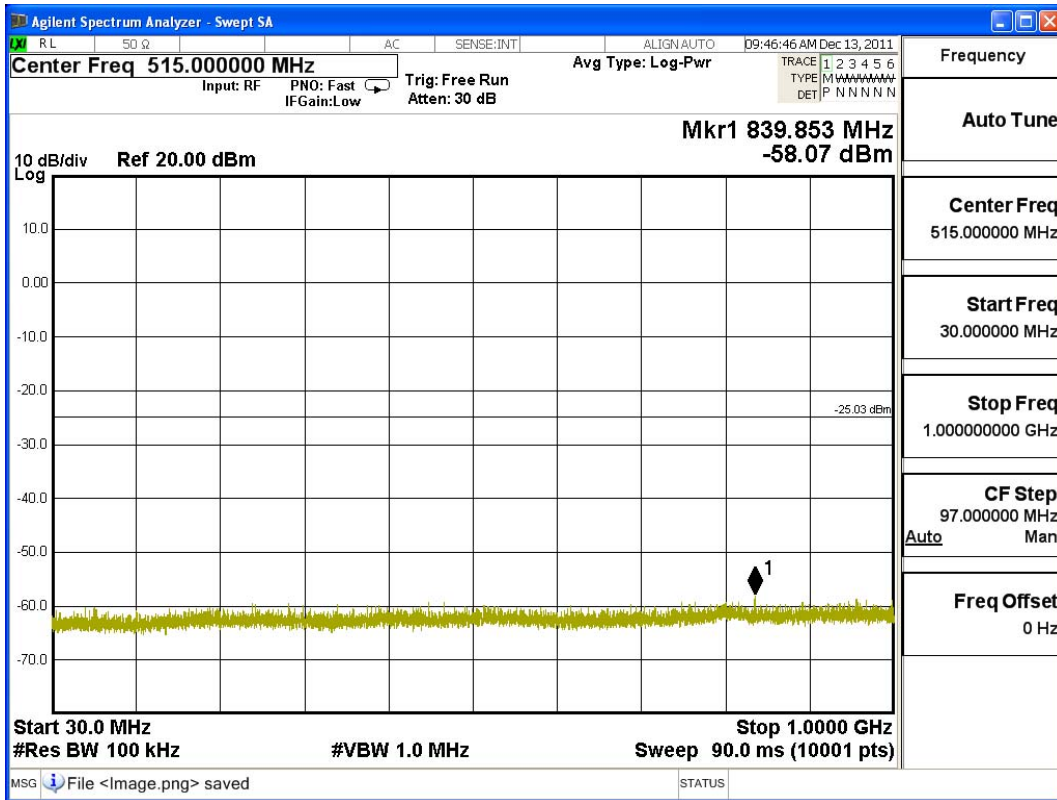Test Mode : Mode 3: Transmit (802.11n MCS0 7.2Mbps 20M-BW)

Channel 01 (2412MHz)
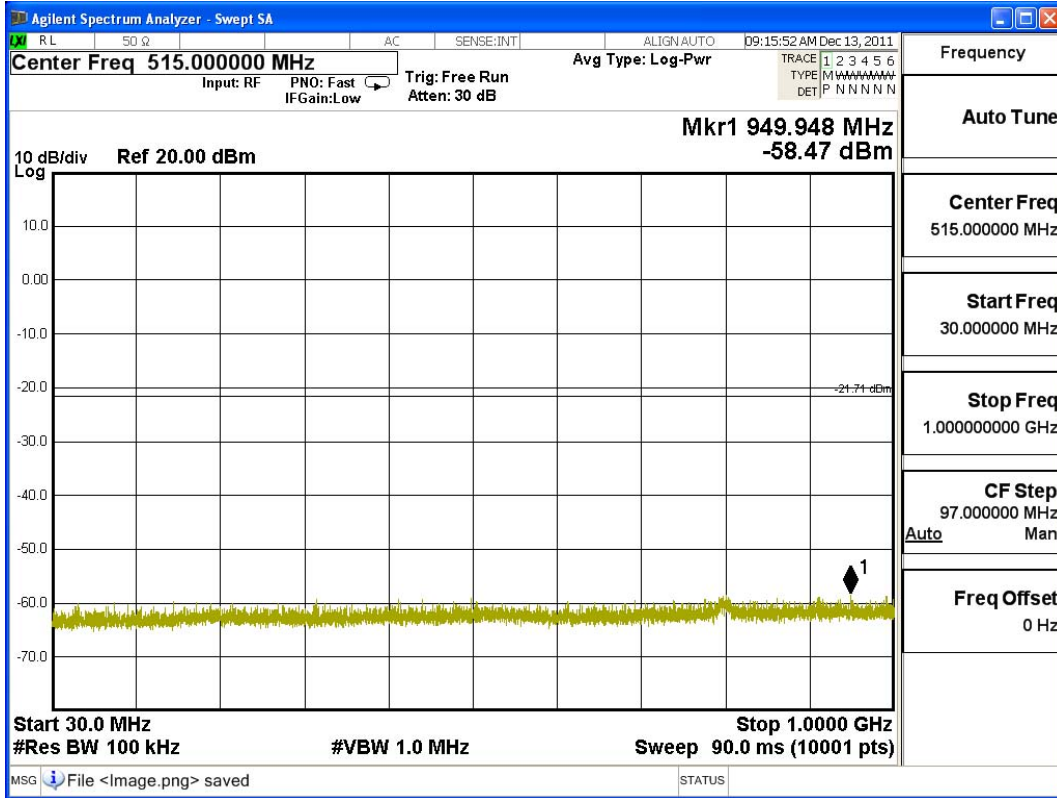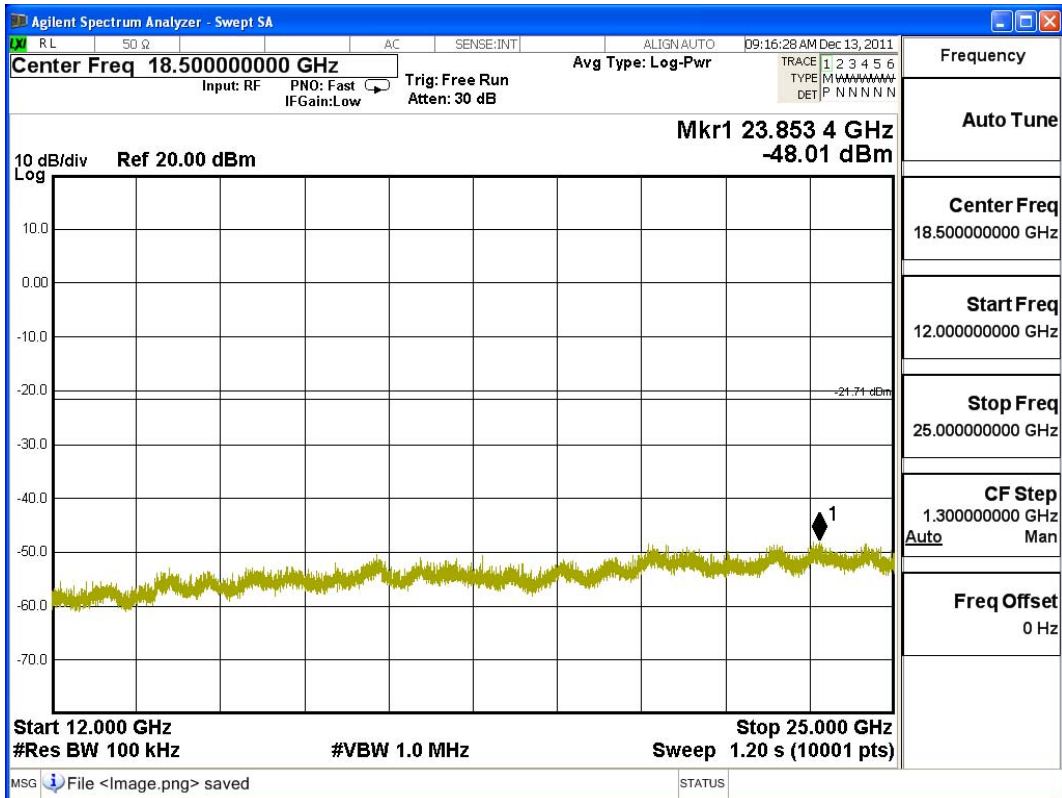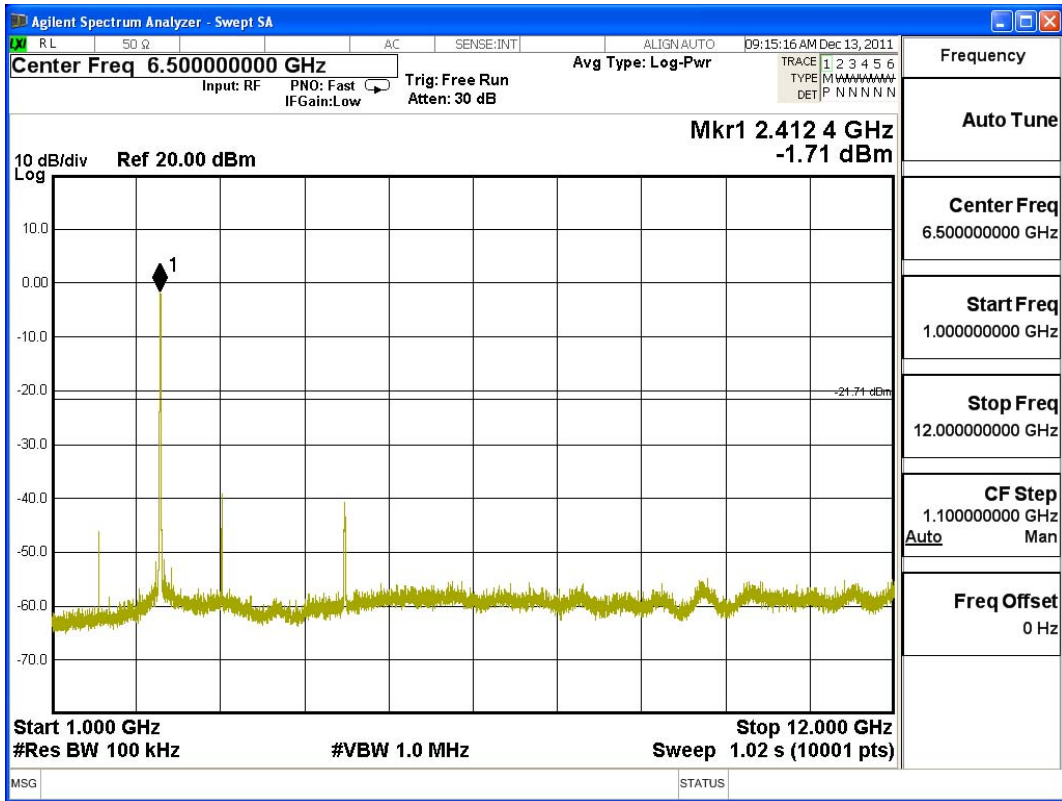
Channel 06 (2437MHz)

Channel 11 (2462MHz)

Product : Mozart II
Test Item : RF Antenna Conducted Spurious
Test Site : No.3 OATS
Test Mode : Mode 4: Transmit (802.11n MCS0 15Mbps 40M-BW)
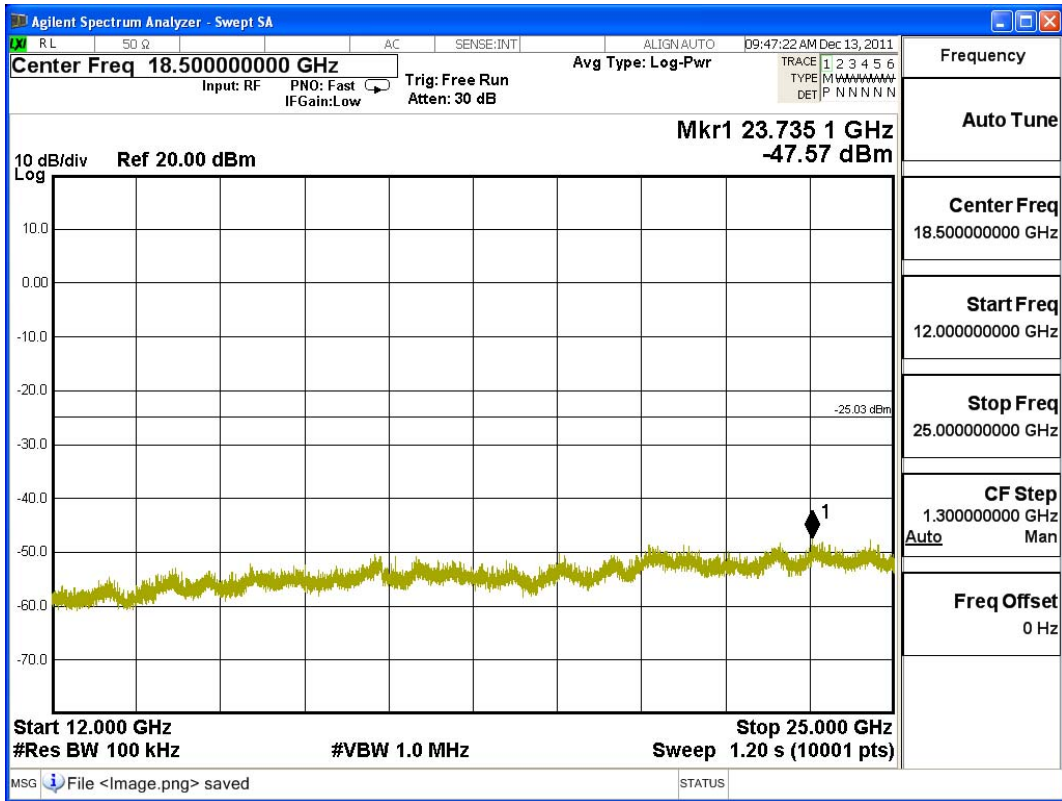
Channel 03 (2422MHz)

Channel 06 (2437MHz)

Channel 09 (2452MHz)