

FC

Test Report

Product Name	Tablet PC
Model No	MS-N0J1
FCC ID.	I4L-MSN0J1

Applicant	MICRO-STAR INT'L Co., LTD.
Address	No. 69, Li-De St., Jung-He District, New Taipei City, Taiwan

Date of Receipt	Dec. 30, 2011
Issue Date	Mar. 23, 2012
Report No.	121116R-RFUSP42V01
Report Version	V1.0



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.

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Test Report Certification

Issue Date: Mar. 23, 2012

Report No.: 121116R-RFUSP42V01


Accredited by NIST (NVLAP)

NVLAP Lab Code: 200533-0

Product Name	Tablet PC
Applicant	MICRO-STAR INT'L Co., LTD.
Address	No. 69, Li-De St., Jung-He District, New Taipei City, Taiwan
Manufacturer	MICRO-STAR INT'L Co., LTD.
Model No.	MS-N0J1
FCC ID.	I4L-MSN0J1
EUT Rated Voltage	AC 100-240V, 50-60Hz
EUT Test Voltage	AC 120V/60Hz
Trade Name	msi
Applicable Standard	FCC CFR Title 47 Part 15 Subpart C: 2010 ANSI C63.4: 2003
Test Result	Complied

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Documented By : Jinn Chen
(Senior Adm. Specialist / Jinn Chen)

Tested By : Henk Huang
(Assistant Engineer / Henk Huang)

Approved By : Vincent Lin
(Manager / Vincent Lin)

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1. GENERAL INFORMATION

1.1. EUT Description

Product Name	Tablet PC
Trade Name	msi
Model No.	MS-N0J1
FCC ID.	I4L-MSN0J1
Frequency Range	2412-2462MHz for 802.11b/g/n-20BW
Number of Channels	802.11b/g/n-20MHz: 11 CH
Data Speed	802.11b: 1-11Mbps, 802.11g: 6-54Mbps, 802.11n: up to 72.2Mbps
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
Power Adapter	MFR: DELTA, M/N: ADP-18TB A Input: 100-240V, 50-60Hz 0.6A Output: 12V [±] 1.5A Cable Out: Non-shielded, 1.5m, with one ferrite bonded.

Antenna List

No.	Manufacturer	Part No.	Antenna Type	Peak Gain
1	msi	N0J1-WIFI-Internal (main)	PIFA	3.36 dBi for 2.4 GHz
		N0J1-WIFI-External (aux)		

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		

Note:

1. The EUT is Tablet PC with a built-in 2.4GHz WLAN and Bluetooth transceiver, this report for WLAN.
2. Regarding to the operation frequency, the lowest, middle and highest frequency are selected to perform the test.
3. 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)
4. 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.
5. The radiation measurements are performed in X, Y, Z axis positioning. Only the worst case is shown in the report.

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 (802.11b 1Mbps)-Inter modulation
	Mode 5: Transmit (802.11g 6Mbps)-Inter modulation
	Mode 6: Transmit (802.11n MCS0 7.2Mbps 20M-BW)-Inter modulation

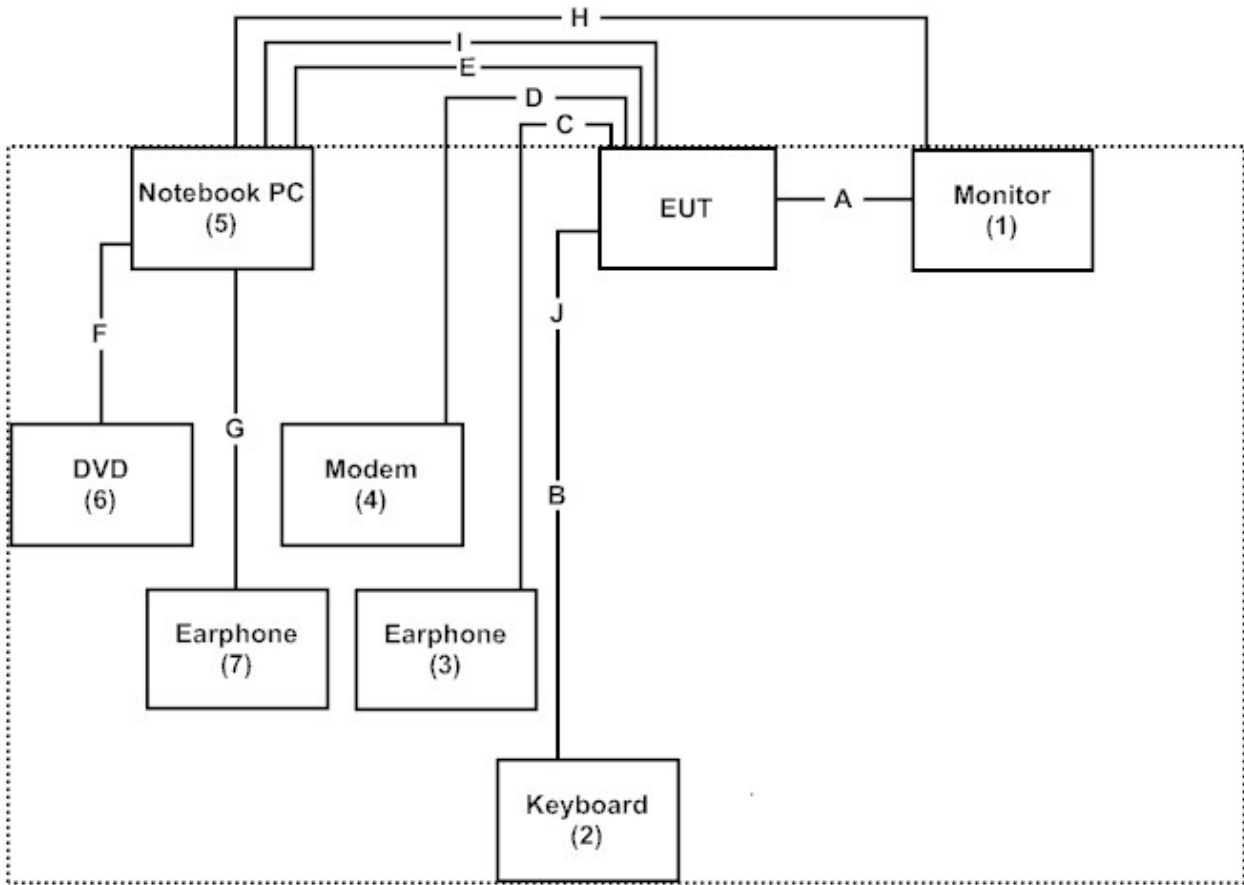
1.3. Tested System Details

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	Monitor	LG	W2261VT	907YHZK07303	Non-Shielded, 1.8m
2	Keyboard	Logitech	Y-U0009	LZ027HU	N/A
3	Earphone	AIWA	N/A	N/A	N/A
4	Modem	ACEEX	DM-1414	0102027558	Non-Shielded, 1.8m
5	Notebook PC	DELL	PPT	N/A	Non-Shielded, 1.8m
6	DVD	DELL	PD01S	N/A	N/A
7	Earphone	AIWA	N/A	N/A	N/A

	Signal Cable Type	Signal cable Description
A	HDMI Cable	Non-Shielded, 2m
B	USB Cable	Non-Shielded, 1m
C	Earphone Cable	Non-Shielded, 1m
D	Modem Cable	Non-Shielded, 1m
E	USB Cable	Non-Shielded, 1m
F	USB Cable	Non-Shielded, 1m
G	Earphone Cable	Non-Shielded, 1m
H	D-SUB Cable	Non-Shielded, 1.5m
I	USB Cable	Non-Shielded, 1m
J	Mini USB to USB Cable	Non-Shielded, 1m

1.4. Configuration of Tested System



1.5. EUT Exercise Software

- (1) Setup the EUT as shown in Section 1.4
- (2) Execute software on the EUT.
- (3) Configure the test mode, the test channel, and the data rate.
- (4) Press “OK” to start the continuous Transmit.
- (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://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

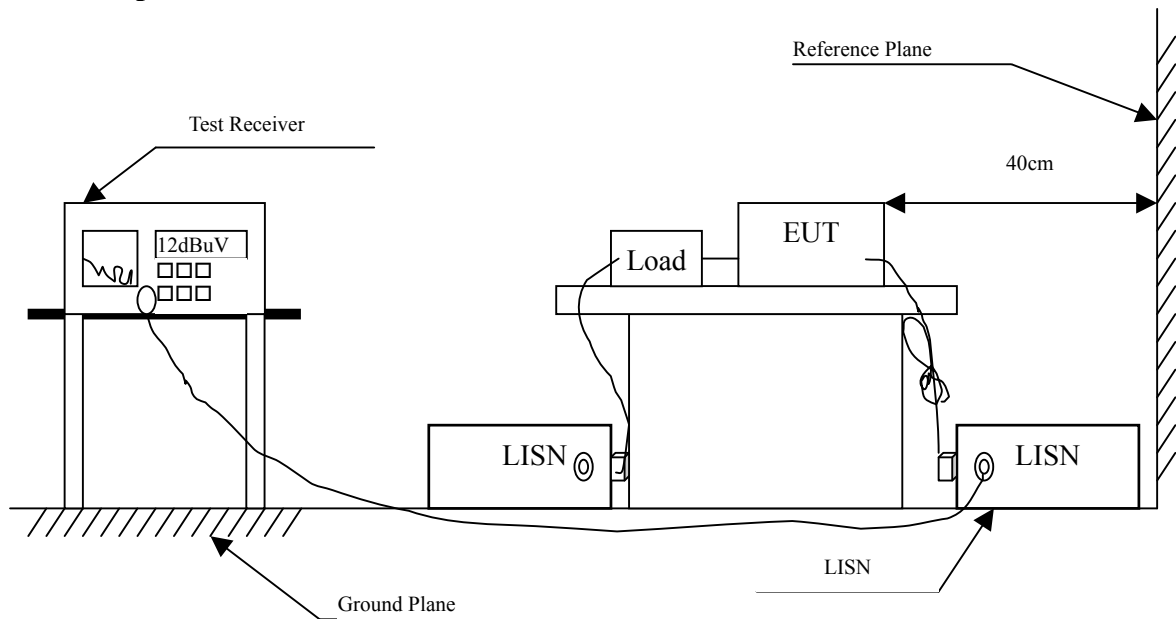
2.1. Test Equipment

	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., 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	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

± 2.26 dB

2.6. Test Result of Conducted Emission

Product : Tablet PC
 Test Item : Conducted Emission Test
 Power Line : Line 1
 Test Mode : Mode 3: Transmit (802.11n MCS0 7.2Mbps 20M-BW) (2437MHz)

Frequency MHz	Correct Factor dB	Reading Level dBuV	Measurement Level dBuV	Margin dB	Limit dBuV
Line 1					
Quasi-Peak					
0.162	9.840	38.430	48.270	-17.387	65.657
0.220	9.840	32.510	42.350	-21.650	64.000
0.252	9.840	27.690	37.530	-25.556	63.086
0.459	9.840	23.570	33.410	-23.761	57.171
1.072	9.850	21.090	30.940	-25.060	56.000
2.357	9.860	15.750	25.610	-30.390	56.000
Average					
0.162	9.840	22.270	32.110	-23.547	55.657
0.220	9.840	23.050	32.890	-21.110	54.000
0.252	9.840	15.460	25.300	-27.786	53.086
0.459	9.840	15.610	25.450	-21.721	47.171
1.072	9.850	20.210	30.060	-15.940	46.000
2.357	9.860	12.670	22.530	-23.470	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 : Tablet PC
 Test Item : Conducted Emission Test
 Power Line : Line 2
 Test Mode : Mode 3: Transmit (802.11n MCS0 7.2Mbps 20M-BW) (2437MHz)

Frequency MHz	Correct Factor dB	Reading Level dBuV	Measurement Level dBuV	Margin dB	Limit dBuV
Line 2					
Quasi-Peak					
0.177	9.840	37.460	47.300	-17.929	65.229
0.216	9.840	34.830	44.670	-19.444	64.114
0.392	9.840	26.720	36.560	-22.526	59.086
0.490	9.840	21.490	31.330	-24.956	56.286
1.072	9.840	21.050	30.890	-25.110	56.000
1.502	9.850	18.430	28.280	-27.720	56.000
Average					
0.177	9.840	22.580	32.420	-22.809	55.229
0.216	9.840	27.490	37.330	-16.784	54.114
0.392	9.840	22.570	32.410	-16.676	49.086
0.490	9.840	13.170	23.010	-23.276	46.286
1.072	9.840	19.840	29.680	-16.320	46.000
1.502	9.850	17.490	27.340	-18.660	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 Power Output

3.1. Test Equipment

RF Conducted Measurement:

Item	儀器名稱	製造廠	型號 / 序號	上次校正日期	下次校正日期
1	X Power Meter	Anritsu	ML2495A/6K00003357	May, 2011	May., 2012
2	X Power Sensor	Anritsu	MA2411B/0738448	Jun, 2011	Jun, 2012
3	Spectrum Analyzer	R&S	FSP40 / 100170	Jun, 2011	Jun, 2012
4	Spectrum Analyzer	Agilent	E4407B / US39440758	Jun, 2011	Jun, 2012
5	X Spectrum Analyzer	Agilent	N9010A / MY48030495	Apr., 2011	Apr., 2012

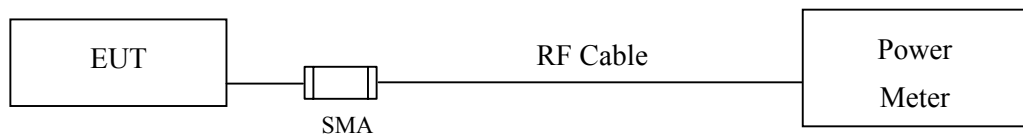
No.3 OATS

Note:

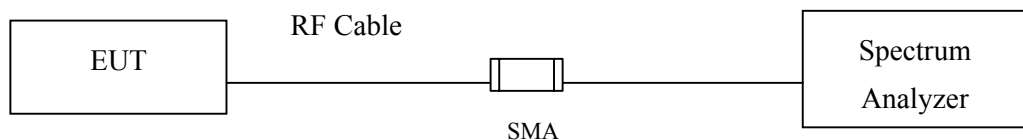
1. All equipments are calibrated with traceable calibrations. Each calibration is traceable to the national or international standards.
2. The test instruments marked with “X” are used to measure the final test results.

3.2. Test Setup

Average Power For different Data Rate (Mbps)



Peak Power 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 Jan. 2012 KDB558074 for compliance to FCC 47CFR 15.247 requirements.

3.5. Uncertainty

± 1.27 dB

3.6. Test Result of Peak Power Output

Product : Tablet PC
 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			
		Measurement Level (dBm)						
01	2412	11.11	--	--	--	13.71	<30dBm	Pass
06	2437	11.15	11.11	11.09	11.04	13.81	<30dBm	Pass
11	2462	11.07	--	--	--	13.95	<30dBm	Pass

Note:

1. Peak Power Output Value = Reading value on Spectrum Analyzer + cable loss
(Use the spectrum analyzer's integrated channel power measurement function)
2. Average Power for different data rate = Reading value on Power Meter + cable loss

Figure Channel 1:

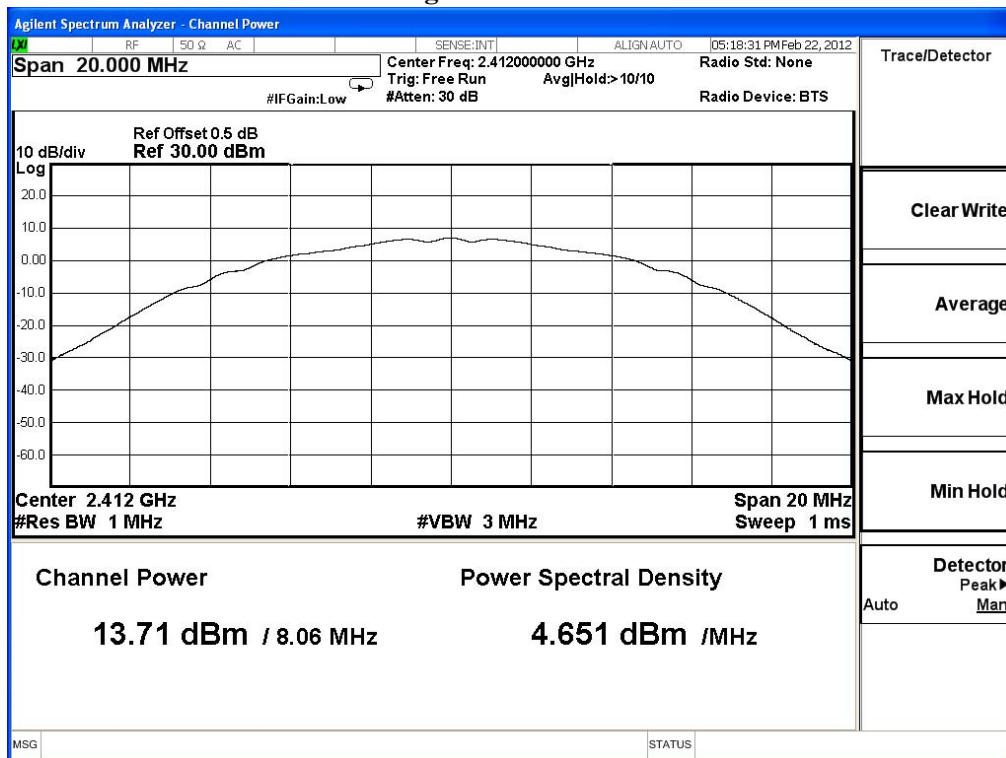


Figure Channel 6:

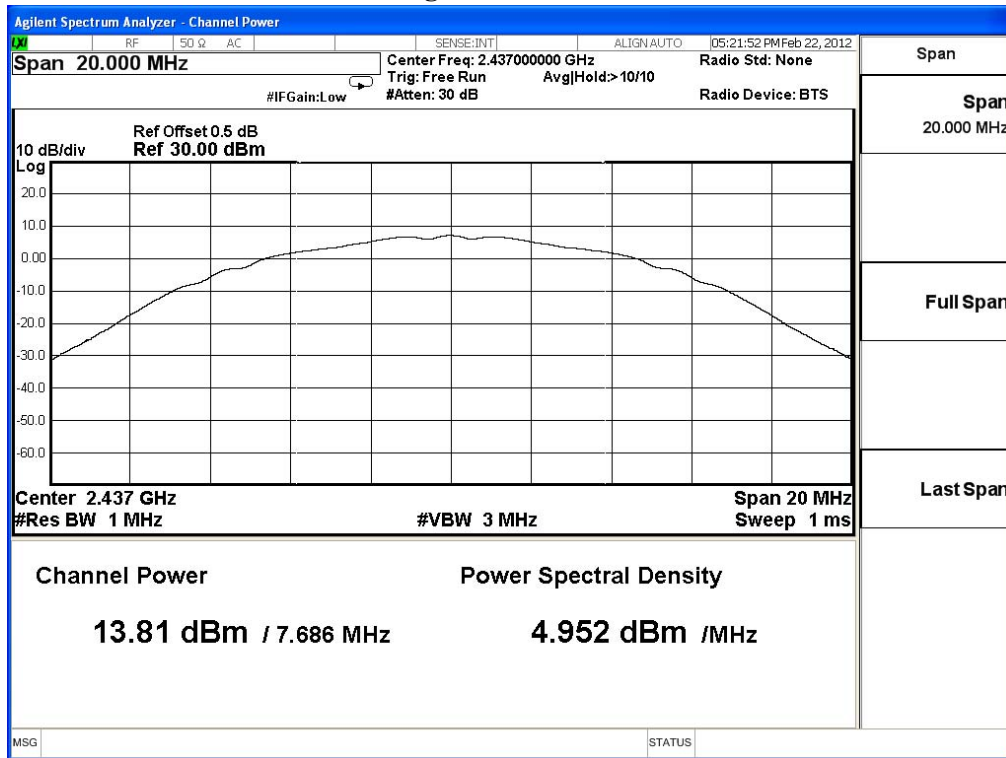
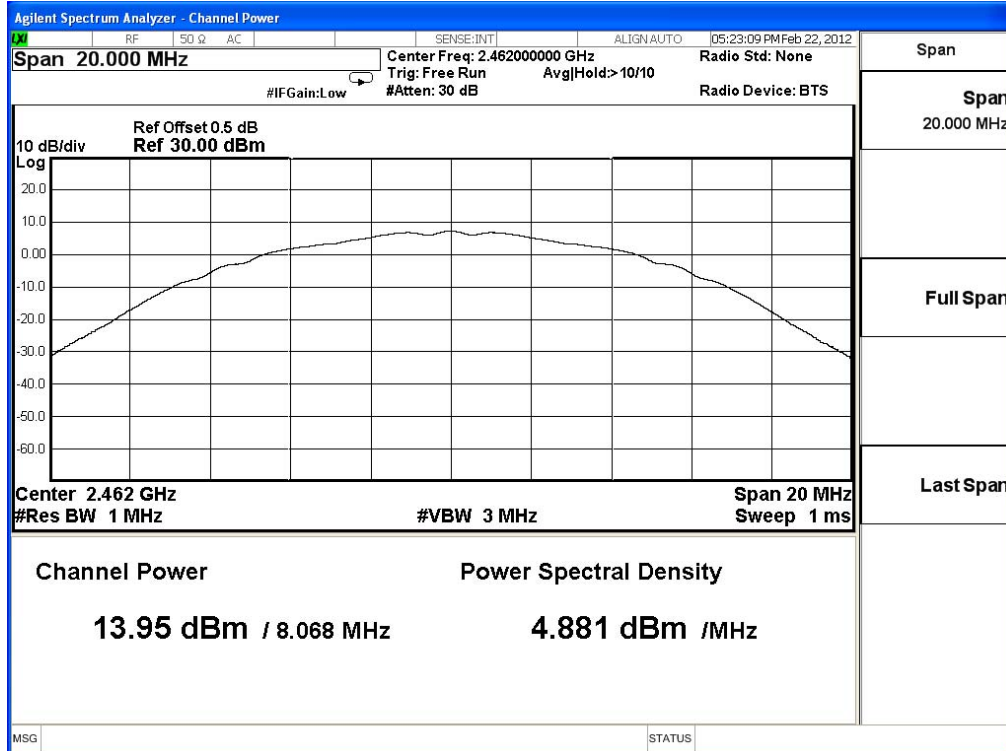


Figure Channel 11:



Product : Tablet PC
 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			
		Measurement Level (dBm)										
01	2412	13.13	--	--	--	--	--	--	--	21.64	<30dBm	Pass
06	2437	13.25	13.23	13.19	13.17	13.14	13.1	13.08	13.03	21.72	<30dBm	Pass
11	2462	13.08	--	--	--	--	--	--	--	21.67	<30dBm	Pass

Note:

1. Peak Power Output Value = Reading value on Spectrum Analyzer + cable loss
(Use the spectrum analyzer's integrated channel power measurement function)
2. Average Power for different data rate = Reading value on Power Meter + cable loss

Figure Channel 1:

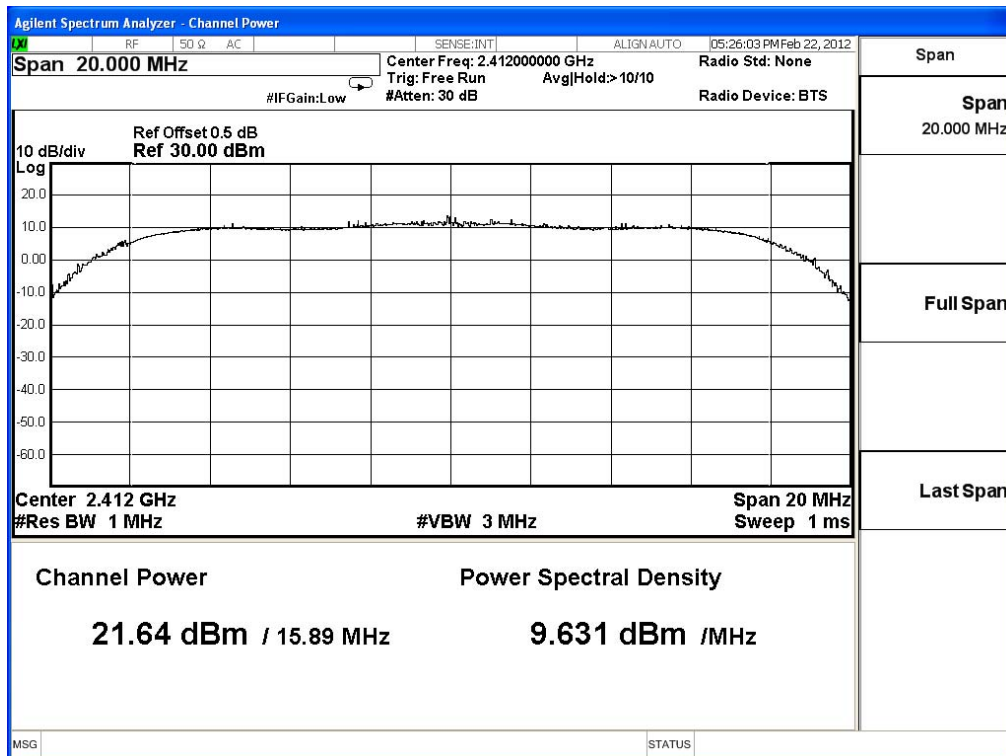


Figure Channel 6:

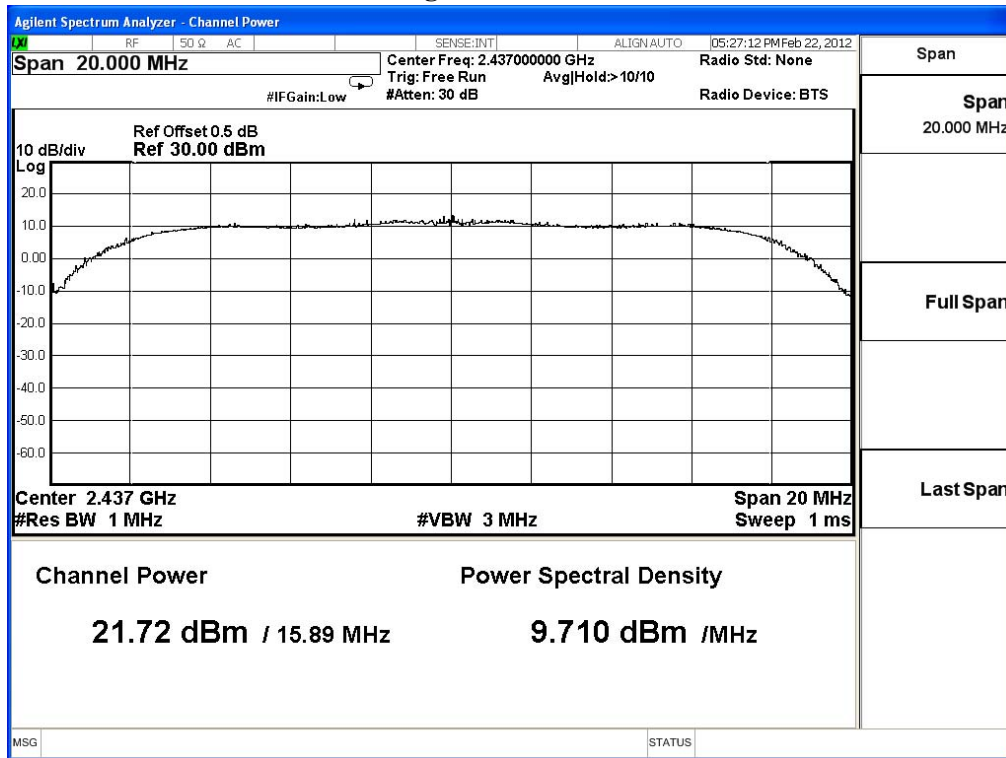
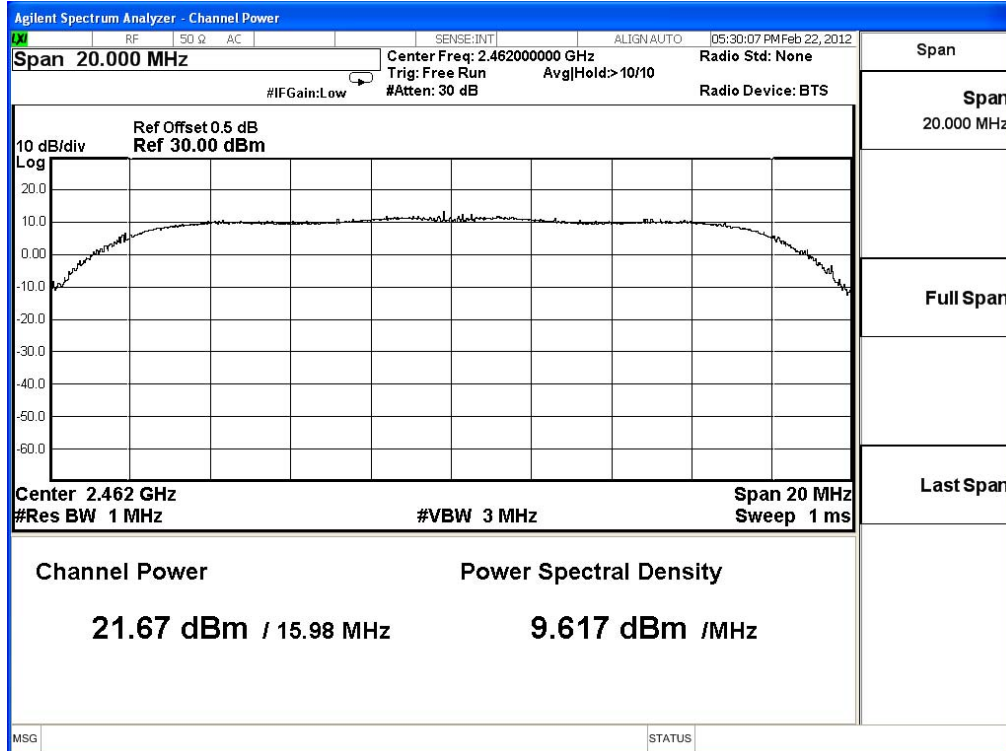


Figure Channel 11:



Product : Tablet PC
 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			
		Measurement Level (dBm)										
01	2412	12.19	--	--	--	--	--	--	--	20.8	<30dBm	Pass
06	2437	12.3	12.27	12.24	12.21	12.19	12.14	12.1	12.08	20.93	<30dBm	Pass
11	2462	12.06	--	--	--	--	--	--	--	20.64	<30dBm	Pass

Note:

1. Peak Power Output Value = Reading value on Spectrum Analyzer + cable loss
(Use the spectrum analyzer's integrated channel power measurement function)
2. Average Power for different data rate = Reading value on Power Meter + cable loss

Figure Channel 1:

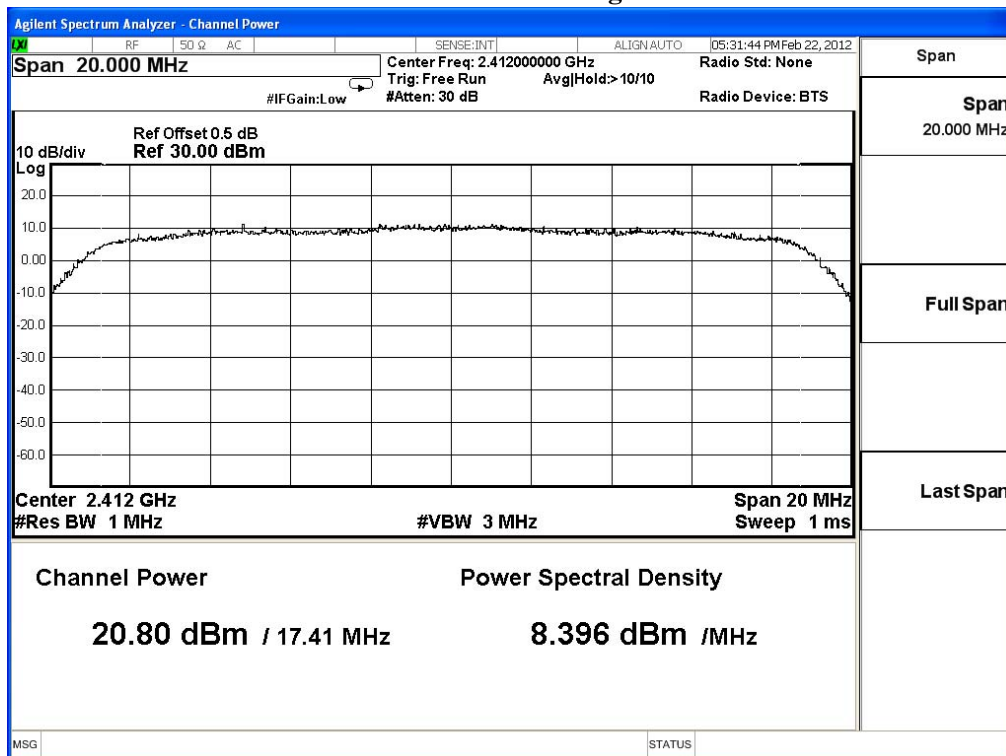


Figure Channel 6:

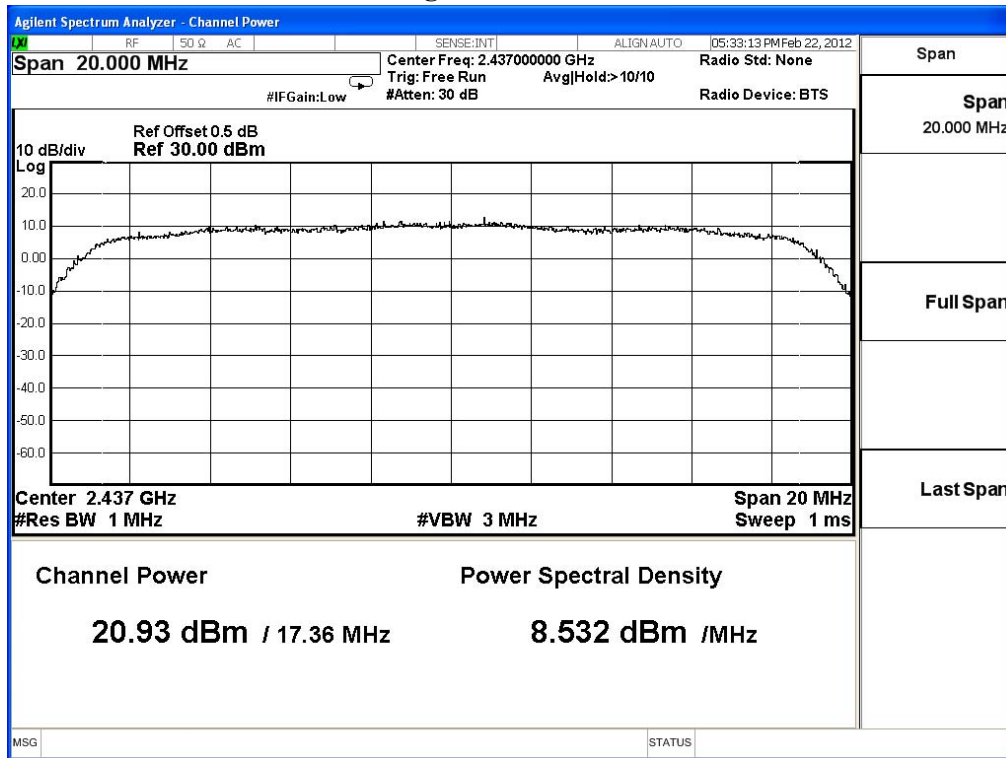
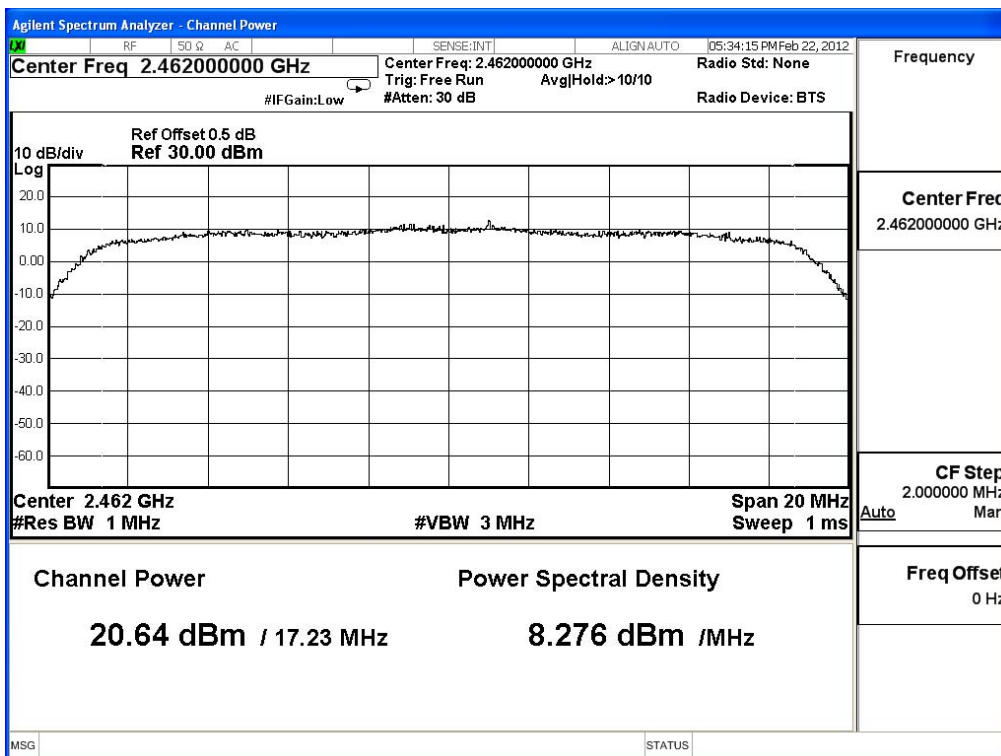


Figure Channel 11:



4. Radiated Emission

4.1. Test Equipment

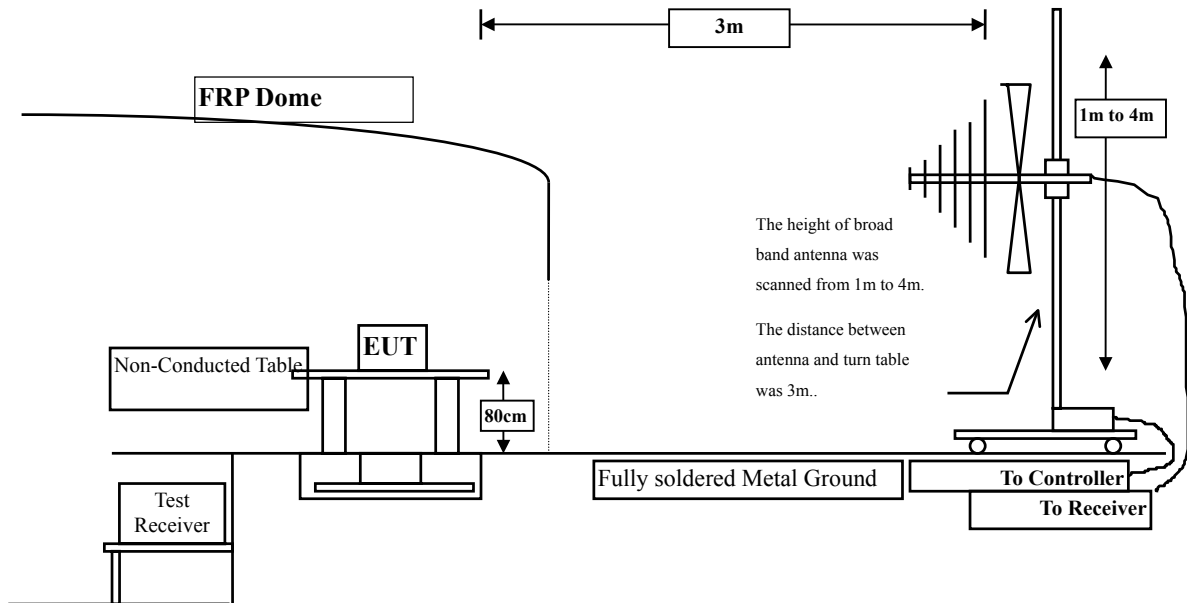
The following test equipment are used during the radiated emission test:

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., 2012
	X	Controller	Quietek	QTK-CONTROLLER/ CTRL3	N/A
	X	Coaxial Switch	Anritsu	MP59B/6200265729	N/A

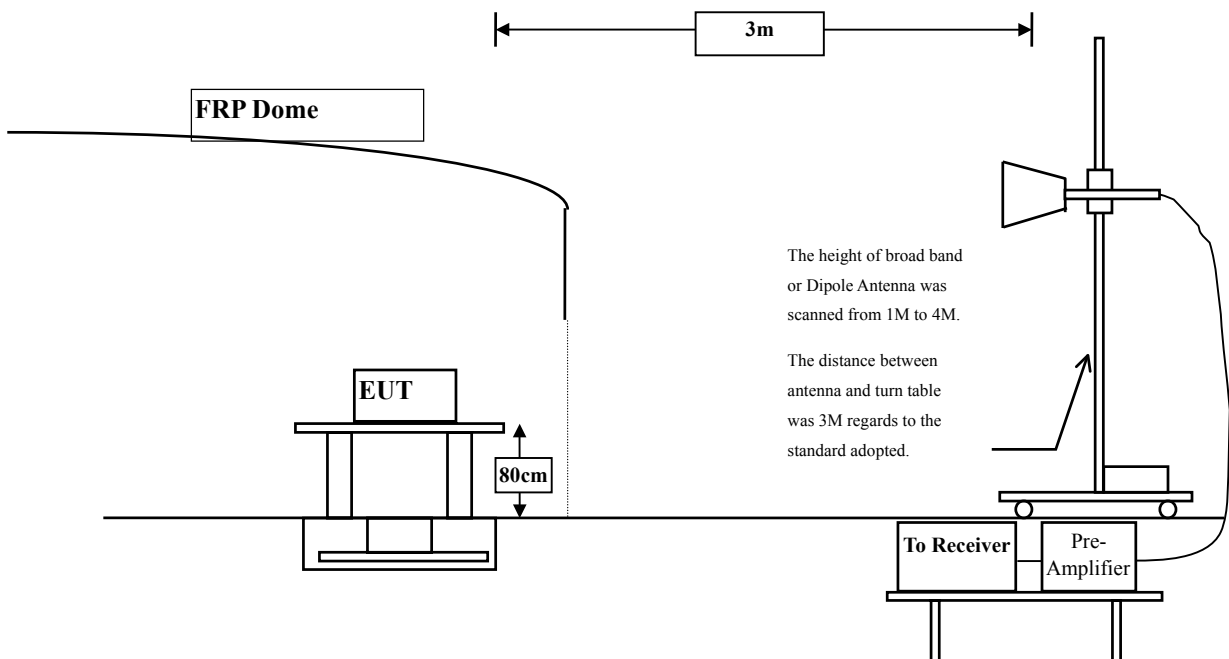
- Note:
1. All equipments are calibrated with traceable calibrations. Each calibration is traceable to the national or international standards.
 2. The test instruments marked with “X” are used to measure the final test results.

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 Jan. 2012 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 harmonics is checked.

4.5. Uncertainty

± 3.9 dB above 1GHz

± 3.8 dB below 1GHz

4.6. Test Result of Radiated Emission

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

Frequency MHz	Correct Factor dB	Reading Level dBuV	Measurement Level dBuV/m	Margin dB	Limit dBuV/m
Horizontal					
Peak Detector:					
4824.000	3.261	43.250	46.511	-27.489	74.000
7236.000	10.650	47.180	57.830	-16.170	74.000
9648.000	13.337	36.340	49.676	-24.324	74.000
Average Detector:					
7236.000	10.650	41.420	52.070	-1.930	54.000
Vertical					
Peak Detector:					
4824.000	6.421	41.130	47.551	-26.449	74.000
7236.000	11.495	49.760	61.255	-27.643	88.898 *
9648.000	13.807	36.240	50.046	-23.954	74.000
Average Detector:					
7236.000	11.495	44.360	55.855	-13.043	68.898 *

“ * ”, means non-restricted bands, limit=fundamental level down 20dBc.

Note:

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

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

Frequency MHz	Correct Factor dB	Reading Level dBuV	Measurement Level dBuV/m	Margin dB	Limit dBuV/m
Horizontal					
Peak Detector:					
4874.000	3.038	41.840	44.877	-29.123	74.000
7311.000	11.795	43.730	55.524	-18.476	74.000
9748.000	12.635	37.210	49.845	-24.155	74.000
Average Detector:					
7311.000	11.795	37.250	49.044	-4.956	54.000
Vertical					
Peak Detector:					
4874.000	5.812	40.721	46.532	-27.468	74.000
7311.000	12.630	46.690	59.319	-14.681	74.000
9748.000	13.126	37.629	50.755	-23.245	74.000
Average Detector:					
7311.000	12.630	40.740	53.369	-0.631	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 : Tablet PC
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Mode : Mode 1: Transmit (802.11b 1Mbps) (2462 MHz)

Frequency MHz	Correct Factor dB	Reading Level dBuV	Measurement Level dBuV/m	Margin dB	Limit dBuV/m
Horizontal					
Peak Detector:					
4924.000	2.858	39.450	42.307	-31.693	74.000
7386.000	12.127	40.660	52.788	-21.212	74.000
9848.000	12.852	37.190	50.043	-23.957	74.000
Average Detector:					
--					
Vertical					
Peak Detector:					
4924.000	5.521	40.330	45.850	-28.150	74.000
7386.000	13.254	42.610	55.864	-18.136	74.000
9848.000	13.367	36.700	50.067	-23.933	74.000
Average Detector:					
7386.000	13.254	35.200	48.454	-5.546	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 : Tablet PC
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Mode : Mode 2: Transmit (802.11g 6Mbps) (2412MHz)

Frequency MHz	Correct Factor dB	Reading Level dBuV	Measurement Level dBuV/m	Margin dB	Limit dBuV/m
Horizontal					
Peak Detector:					
4824.000	3.261	42.680	45.941	-28.059	74.000
7236.000	10.650	52.220	62.870	-11.130	74.000
9648.000	13.337	35.780	49.116	-24.884	74.000
Average Detector:					
7236.000	10.650	35.260	45.910	-8.090	54.000
Vertical					
Peak Detector:					
4824.000	6.421	40.980	47.401	-26.599	74.000
7236.000	11.495	57.700	69.195	-4.805	74.000
9648.000	13.807	35.600	49.406	-24.594	74.000
Average Detector:					
7236.000	11.495	39.850	51.345	-2.655	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 : Tablet PC
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Mode : Mode 2: Transmit (802.11g 6Mbps) (2437 MHz)

Frequency MHz	Correct Factor dB	Reading Level dBuV	Measurement Level dBuV/m	Margin dB	Limit dBuV/m
Horizontal					
Peak Detector:					
4874.000	3.038	41.580	44.617	-29.383	74.000
7311.000	11.795	50.820	62.614	-11.386	74.000
9748.000	12.635	36.690	49.325	-24.675	74.000
Average Detector:					
7311.000	11.795	33.500	45.294	-8.706	54.000
Peak Detector:					
4874.000	5.812	41.060	46.871	-27.129	74.000
7311.000	12.630	54.320	66.949	-7.051	74.000
9748.000	13.126	36.910	50.036	-23.964	74.000
Average Detector:					
7311.000	12.630	36.380	49.009	-4.991	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 : Tablet PC
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Mode : Mode 2: Transmit (802.11g 6Mbps) (2462 MHz)

Frequency MHz	Correct Factor dB	Reading Level dBuV	Measurement Level dBuV/m	Margin dB	Limit dBuV/m
Horizontal					
Peak Detector:					
4924.000	2.858	41.960	44.817	-29.183	74.000
7386.000	12.127	47.610	59.738	-14.262	74.000
9848.000	12.852	36.030	48.883	-25.117	74.000
Average Detector:					
7386.000	12.127	29.790	41.918	-12.082	54.000
Vertical					
Peak Detector:					
4924.000	5.521	40.150	45.670	-28.330	74.000
7386.000	13.254	50.930	64.184	-9.816	74.000
9848.000	13.367	36.790	50.157	-23.843	74.000
Average Detector:					
7386.000	13.254	33.060	46.314	-7.686	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 : Tablet PC
 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 MHz	Correct Factor dB	Reading Level dBuV	Measurement Level dBuV/m	Margin dB	Limit dBuV/m
Horizontal					
Peak Detector:					
4824.000	3.261	41.630	44.891	-29.109	74.000
7236.000	10.65	48.810	59.460	-14.540	94.402 *
9648.000	13.336	36.830	50.166	-23.834	74.000

“ * ”, means non-restricted bands, limit=fundamental level down 20dBc.

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.

Average Detector:

Frequency MHz	Peak Measurement dB μ V/m	Duty Cycle Factor dB	Measurement Level dB μ V/m	Margin dB	Limit dB μ V/m
Horizontal					
7236	59.46	-7.363	52.097	-22.305	74.402 *

“ * ”, means non-restricted bands, limit=fundamental level down 20dBc.

Note:

1. AVG Measurement=Peak Measurement + Duty Cycle Correct Factor
2. The Duty Cycle is refer to section 9.

Product : Tablet PC
 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 MHz	Correct Factor dB	Reading Level dBuV	Measurement Level dBuV/m	Margin dB	Limit dBuV/m
Vertical					
Peak Detector:					
4824.000	6.421	41.590	48.011	-25.989	74.000
7236.000	11.495	51.640	63.135	-26.904	90.039 *
9648.000	13.807	35.550	49.356	-24.644	74.000

“ * ”, means non-restricted bands, limit=fundamental level down 20dBc.

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.

Average Detector:

Frequency MHz	Peak Measurement dB μ V/m	Duty Cycle Factor dB	Measurement Level dB μ V/m	Margin dB	Limit dB μ V/m
Vertical					
7236	63.135	-7.363	55.772	-14.267	70.039 *

“ * ”, means non-restricted bands, limit=fundamental level down 20dBc.

Note:

1. AVG Measurement=Peak Measurement + Duty Cycle Correct Factor
2. The Duty Cycle is refer to section 9.

Product : Tablet PC
 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 MHz	Correct Factor dB	Reading Level dBuV	Measurement Level dBuV/m	Margin dB	Limit dBuV/m
Horizontal					
Peak Detector:					
4874.000	3.038	40.870	43.907	-30.093	74.000
7311.000	11.795	44.280	56.074	-17.926	74.000
9748.000	12.635	37.130	49.765	-24.235	74.000

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.

Average Detector:

Frequency MHz	Peak Measurement dB μ V/m	Duty Cycle Factor dB	Measurement Level dB μ V/m	Margin dB	Limit dB μ V/m
Horizontal					
7311	56.074	-7.363	48.711	-5.289	54.000

Note:

1. AVG Measurement=Peak Measurement + Duty Cycle Correct Factor
2. The Duty Cycle is refer to section 9.

Product : Tablet PC
 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 MHz	Correct Factor dB	Reading Level dBuV	Measurement Level dBuV/m	Margin dB	Limit dBuV/m
Vertical					
Peak Detector:					
4874.000	5.812	38.360	44.171	-29.829	74.000
7311.000	12.630	47.800	60.429	-13.571	74.000
9748.000	13.126	37.230	50.356	-23.644	74.000

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.

Average Detector:

Frequency MHz	Peak Measurement dB μ V/m	Duty Cycle Factor dB	Measurement Level dB μ V/m	Margin dB	Limit dB μ V/m
Vertical					
7311	60.429	-7.363	53.066	-0.934	54.000

Note:

1. AVG Measurement=Peak Measurement + Duty Cycle Correct Factor
2. The Duty Cycle is refer to section 9.

Product : Tablet PC
 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 MHz	Correct Factor dB	Reading Level dBuV	Measurement Level dBuV/m	Margin dB	Limit dBuV/m
Horizontal					
Peak Detector:					
4924.000	2.858	39.760	42.617	-31.383	74.000
7386.000	12.127	43.790	55.918	-18.082	74.000
9848.000	12.852	37.210	50.063	-23.937	74.000

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.

Average Detector:

Frequency MHz	Peak Measurement dB μ V/m	Duty Cycle Factor dB	Measurement Level dB μ V/m	Margin dB	Limit dB μ V/m
Horizontal					
7386	55.918	-7.363	48.555	-5.445	54.000

Note:

1. AVG Measurement=Peak Measurement + Duty Cycle Correct Factor
2. The Duty Cycle is refer to section 9.

Product : Tablet PC
 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 MHz	Correct Factor dB	Reading Level dBuV	Measurement Level dBuV/m	Margin dB	Limit dBuV/m
Vertical					
Peak Detector:					
4924.000	5.521	38.500	44.020	-29.980	74.000
7386.000	13.254	47.200	60.454	-13.546	74.000
9848.000	13.367	37.010	50.377	-23.623	74.000

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.

Average Detector:

Frequency	Peak Measurement	Duty Cycle Factor	Measurement Level	Margin	Limit
MHz	dB μ V/m	dB	dB μ V/m	dB	dB μ V/m
Vertical					
7386	60.454	-7.363	53.091	-0.909	54.000

Note:

1. AVG Measurement=Peak Measurement + Duty Cycle Correct Factor
2. The Duty Cycle is refer to section 9.

Product : Tablet PC
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Mode : Mode 4: Transmit (802.11b 1Mbps)-Inter modulation
 (802.11b 2412MHz+Bluetooth 1Mbps 2441MHz)

Frequency MHz	Correct Factor dB	Reading Level dBuV	Measurement Level dBuV/m	Margin dB	Limit dBuV/m
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Horizontal
Peak Detector:

4824.000	3.261	38.480	41.741	-32.259	74.000
4882.000	3.001	37.910	40.911	-33.089	74.000
7236.000	10.650	39.850	50.500	-23.500	74.000
7323.000	11.846	35.480	47.327	-26.673	74.000
9648.000	13.337	36.540	49.876	-24.124	74.000
9764.000	12.563	36.430	48.993	-25.007	74.000

Average Detector:

--

Vertical
Peak Detector:

4824.000	6.421	37.560	43.981	-30.019	74.000
4882.000	5.713	36.930	42.644	-31.356	74.000
7236.000	11.495	49.330	60.825	-28.065	88.898 *
7323.000	12.727	35.540	48.268	-25.732	74.000
9648.000	13.807	36.020	49.826	-24.174	74.000
9764.000	13.028	37.040	50.068	-23.932	74.000

Average Detector:

7236.000	11.495	44.160	55.655	-7.243	62.898 *
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“ * ”, means non-restricted bands, limit=fundamental level down 20dBc.

Note:

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

Product : Tablet PC
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Mode : Mode 4: Transmit (802.11b 1Mbps)-Inter modulation
 (802.11b 2437MHz+Bluetooth 1Mbps 2402MHz)

Frequency MHz	Correct Factor dB	Reading Level dBuV	Measurement Level dBuV/m	Margin dB	Limit dBuV/m
Horizontal					
Peak Detector:					
4804.000	3.327	37.100	40.427	-33.573	74.000
4874.000	3.038	37.810	40.847	-33.153	74.000
7206.000	10.136	36.860	46.996	-27.004	74.000
7311.000	11.795	42.180	53.974	-20.026	74.000
9608.000	13.706	35.560	49.266	-24.734	74.000
9748.000	12.635	36.820	49.455	-24.545	74.000
Average Detector:					
--					
Vertical					
Peak Detector:					
4804.000	36.974	37.400	44.037	-29.963	74.000
4874.000	36.080	39.550	45.361	-28.639	74.000
7206.000	39.397	36.280	47.285	-26.715	74.000
7311.000	12.630	45.750	58.379	-15.621	74.000
9608.000	42.642	35.970	50.073	-23.927	74.000
9748.000	13.126	36.630	49.756	-24.244	74.000
Average Detector:					
7311.000	12.630	39.860	52.489	-1.511	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 : Tablet PC
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Mode : Mode 4: Transmit (802.11b 1Mbps)-Inter modulation
 (802.11b 2462MHz+Bluetooth 1Mbps 2480MHz)

Frequency MHz	Correct Factor dB	Reading Level dBuV	Measurement Level dBuV/m	Margin dB	Limit dBuV/m
Horizontal					
Peak Detector:					
4924.000	2.858	37.880	40.737	-33.263	74.000
4960.000	5.557	37.360	42.917	-11.083	54.000
7386.000	12.127	36.840	48.968	-25.032	74.000
7440.000	13.426	35.290	48.715	-5.285	54.000
9848.000	12.852	36.760	49.613	-24.387	74.000
9920.000	13.958	36.180	50.138	-3.862	54.000
Average Detector:					
--					
Vertical					
Peak Detector:					
4924.000	5.521	37.780	43.300	-30.700	74.000
4960.000	5.557	37.330	42.887	-31.113	74.000
7386.000	13.254	43.800	57.054	-16.946	74.000
7440.000	13.426	34.790	48.215	-25.785	74.000
9848.000	13.367	36.540	49.907	-24.093	74.000
9920.000	13.958	35.990	49.948	-24.052	74.000
Average Detector:					
7386.000	13.254	37.450	50.704	-3.296	54.000

Note:

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

Product : Tablet PC
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Mode : Mode 5: Transmit (802.11g 6Mbps)-Inter modulation
 (802.11g 2412MHz+Bluetooth 1Mbps 2441MHz)

Frequency MHz	Correct Factor dB	Reading Level dBuV	Measurement Level dBuV/m	Margin dB	Limit dBuV/m
Horizontal					
Peak Detector:					
4824.000	3.261	38.510	41.771	-32.229	74.000
4882.000	3.001	37.160	40.161	-33.839	74.000
7236.000	10.650	49.080	59.730	-14.270	74.000
7323.000	11.846	35.820	47.667	-26.333	74.000
9648.000	13.337	36.360	49.696	-24.304	74.000
9764.000	12.563	36.510	49.073	-24.927	74.000
Average Detector:					
7236.000	10.650	32.730	43.380	-10.620	54.000
Vertical					
Peak Detector:					
4824.000	6.421	40.810	47.231	-26.769	74.000
4882.000	5.713	37.400	43.114	-30.886	74.000
7236.000	11.495	57.220	68.715	-5.285	74.000
7323.000	12.727	35.270	47.998	-26.002	74.000
9648.000	13.807	35.920	49.726	-24.274	74.000
9764.000	13.028	37.110	50.138	-23.862	74.000
Average Detector:					
7236.000	11.495	39.690	51.185	-2.815	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 : Tablet PC
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Mode : Mode 5: Transmit (802.11g 6Mbps)-Inter modulation
 (802.11g 2437MHz+Bluetooth 1Mbps 2402MHz)

Frequency MHz	Correct Factor dB	Reading Level dBuV	Measurement Level dBuV/m	Margin dB	Limit dBuV/m
Horizontal					
Peak Detector:					
4804.000	3.327	37.350	40.677	-33.323	74.000
4874.000	3.038	38.350	41.387	-32.613	74.000
7206.000	10.136	36.390	46.526	-27.474	74.000
7311.000	11.795	50.620	62.414	-11.586	74.000
9608.000	13.706	35.420	49.126	-24.874	74.000
9748.000	12.635	36.130	48.765	-25.235	74.000
Average Detector:					
7311.000	11.795	32.770	44.564	-9.436	54.000
Peak Detector:					
4804.000	6.638	37.780	44.417	-29.583	74.000
4874.000	5.812	39.900	45.711	-28.289	74.000
7206.000	11.005	36.850	47.855	-26.145	74.000
7311.000	12.630	56.460	69.089	-4.911	74.000
9608.000	14.103	36.120	50.223	-23.777	74.000
9748.000	13.126	37.320	50.446	-23.554	74.000
Average Detector:					
7311.000	12.630	38.430	51.059	-2.941	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 : Tablet PC
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Mode : Mode 5: Transmit (802.11g 6Mbps)-Inter modulation
 (802.11g 2462MHz+Bluetooth 1Mbps 2480MHz)

Frequency MHz	Correct Factor dB	Reading Level dBuV	Measurement Level dBuV/m	Margin dB	Limit dBuV/m
Horizontal					
Peak Detector:					
4924.000	2.857	38.110	40.967	-33.033	74.000
4960.000	2.760	36.820	39.580	-34.420	74.000
7386.000	12.128	46.390	58.518	-15.482	74.000
7440.000	12.566	35.030	47.596	-26.404	74.000
9848.000	12.853	36.940	49.793	-24.207	74.000
9920.000	13.456	36.250	49.706	-24.294	74.000
Average Detector:					
7386.000	12.128	28.470	40.598	-13.402	54.000
Vertical					
Peak Detector:					
4924.000	5.521	39.210	44.730	-29.270	74.000
4960.000	5.557	36.790	42.347	-31.653	74.000
7386.000	13.254	51.210	64.464	-9.536	74.000
7440.000	13.426	34.550	47.975	-26.025	74.000
9848.000	13.367	36.550	49.917	-24.083	74.000
9920.000	13.958	36.470	50.428	-23.572	74.000
Average Detector:					
7386.000	13.254	33.312	46.566	-7.434	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 : Tablet PC
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Mode : Mode 6: Transmit (802.11n MCS0 7.2Mbps 20M-BW)-Inter modulation
 (802.11n 2412MHz+Bluetooth 3Mbps 2441MHz)

Frequency MHz	Correct Factor dB	Reading Level dBuV	Measurement Level dBuV/m	Margin dB	Limit dBuV/m
Horizontal					
Peak Detector:					
4824.000	6.421	38.090	44.511	-29.489	74.000
4882.000	3.001	37.010	40.011	-33.989	74.000
7236.000	11.495	48.960	60.455	-33.947	94.402 *
7323.000	11.847	36.310	48.157	-25.843	74.000
9648.000	13.806	37.090	50.896	-23.104	74.000
9764.000	12.563	36.310	48.873	-25.127	74.000

“ * ”, means non-restricted bands, limit=fundamental level down 20dBc.

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.

Average Detector:

Frequency MHz	Peak Measurement dB μ V/m	Duty Cycle Factor dB	Measurement Level dB μ V/m	Margin dB	Limit dB μ V/m
Horizontal					
7236	60.455	-7.363	53.092	-21.310	74.402 *

“ * ”, means non-restricted bands, limit=fundamental level down 20dBc.

Note:

1. AVG Measurement=Peak Measurement + Duty Cycle Correct Factor
2. The Duty Cycle is refer to section 9.

Product : Tablet PC
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Mode : Mode 6: Transmit (802.11n MCS0 7.2Mbps 20M-BW)-Inter modulation
 (802.11n 2412MHz+Bluetooth 3Mbps 2441MHz)

Frequency MHz	Correct Factor dB	Reading Level dBuV	Measurement Level dBuV/m	Margin dB	Limit dBuV/m
Vertical					
Peak Detector:					
4824.000	6.421	39.810	46.231	-27.769	74.000
4882.000	5.713	35.700	41.414	-32.586	74.000
7236.000	11.495	50.190	61.685	-28.354	90.039 *
7323.000	12.727	36.510	49.238	-24.762	74.000
9648.000	13.807	34.720	48.526	-25.474	74.000
9764.000	13.028	36.570	49.598	-24.402	74.000

“ * ”, means non-restricted bands, limit=fundamental level down 20dBc.

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.

Average Detector:

Frequency MHz	Peak Measurement dB μ V/m	Duty Cycle Factor dB	Measurement Level dB μ V/m	Margin dB	Limit dB μ V/m
Vertical					
7236	61.685	-7.363	54.322	-15.717	70.039 *

“ * ”, means non-restricted bands, limit=fundamental level down 20dBc.

Note:

1. AVG Measurement=Peak Measurement + Duty Cycle Correct Factor
2. The Duty Cycle is refer to section 9.

Product : Tablet PC
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Mode : Mode 6: Transmit (802.11n MCS0 7.2Mbps 20M-BW)-Inter modulation
 (802.11n 2437MHz+Bluetooth 3Mbps 2402MHz)

Frequency MHz	Correct Factor dB	Reading Level dBuV	Measurement Level dBuV/m	Margin dB	Limit dBuV/m
Horizontal					
Peak Detector:					
4804.000	3.327	38.230	41.557	-32.443	74.000
4874.000	3.038	40.260	43.297	-30.703	74.000
7206.000	10.136	35.980	46.116	-27.884	74.000
7311.000	11.795	43.390	55.184	-18.816	74.000
9608.000	13.706	34.870	48.576	-25.424	74.000
9748.000	12.635	36.230	48.865	-25.135	74.000

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.

Average Detector:

Frequency MHz	Peak Measurement dB μ V/m	Duty Cycle Factor dB	Measurement Level dB μ V/m	Margin dB	Limit dB μ V/m
Horizontal					
7311	55.184	-7.363	47.821	-6.179	54.000

Note:

1. AVG Measurement=Peak Measurement + Duty Cycle Correct Factor
2. The Duty Cycle is refer to section 9.

Product : Tablet PC
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Mode : Mode 6: Transmit (802.11n MCS0 7.2Mbps 20M-BW)-Inter modulation
 (802.11n 2437MHz+Bluetooth 3Mbps 2402MHz)

Frequency MHz	Correct Factor dB	Reading Level dBuV	Measurement Level dBuV/m	Margin dB	Limit dBuV/m
Vertical					
Peak Detector:					
4804.000	6.638	39.210	45.847	-28.153	74.000
4874.000	5.812	37.560	43.371	-30.629	74.000
7206.000	11.005	36.710	47.715	-26.285	74.000
7311.000	12.630	46.960	59.589	-14.411	74.000
9608.000	14.103	35.210	49.313	-24.687	74.000
9748.000	13.126	37.110	50.236	-23.764	74.000

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.

Average Detector:

Frequency MHz	Peak Measurement dB μ V/m	Duty Cycle Factor dB	Measurement Level dB μ V/m	Margin dB	Limit dB μ V/m
Vertical					
7311	59.589	-7.363	52.226	-1.774	54.000

Note:

1. AVG Measurement=Peak Measurement + Duty Cycle Correct Factor
2. The Duty Cycle is refer to section 9.

Product : Tablet PC
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Mode : Mode 6: Transmit (802.11n MCS0 7.2Mbps 20M-BW)-Inter modulation
 (802.11n 2462MHz+Bluetooth 3Mbps 2480MHz)

Frequency MHz	Correct Factor dB	Reading Level dBuV	Measurement Level dBuV/m	Margin dB	Limit dBuV/m
Horizontal					
Peak Detector:					
4924.000	2.858	38.570	41.427	-32.573	74.000
4960.000	2.760	37.330	40.090	-33.910	74.000
7386.000	12.127	44.210	56.338	-17.662	74.000
7440.000	12.567	34.590	47.156	-26.844	74.000
9848.000	12.852	37.190	50.043	-23.957	74.000
9920.000	13.456	35.610	49.066	-24.934	74.000

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.

Average Detector:

Frequency MHz	Peak Measurement dB μ V/m	Duty Cycle Factor dB	Measurement Level dB μ V/m	Margin dB	Limit dB μ V/m
Horizontal					
7386	56.338	-7.363	48.975	-5.025	54.000

Note:

1. AVG Measurement=Peak Measurement + Duty Cycle Correct Factor
2. The Duty Cycle is refer to section 9.

Product : Tablet PC
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Mode : Mode 6: Transmit (802.11n MCS0 7.2Mbps 20M-BW)-Inter modulation
 (802.11n 2462MHz+Bluetooth 3Mbps 2480MHz)

Frequency MHz	Correct Factor dB	Reading Level dBuV	Measurement Level dBuV/m	Margin dB	Limit dBuV/m
Vertical					
Peak Detector:					
4924.000	5.521	38.120	43.640	-30.360	74.000
4960.000	5.557	39.410	44.967	-29.033	74.000
7386.000	13.254	47.090	60.344	-13.656	74.000
7440.000	13.426	35.210	48.635	-25.365	74.000
9848.000	13.367	36.890	50.257	-23.743	74.000
9920.000	13.958	35.780	49.738	-24.262	74.000

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.

Average Detector:

Frequency	Peak Measurement	Duty Cycle Factor	Measurement Level	Margin	Limit
MHz	dB μ V/m	dB	dB μ V/m	dB	dB μ V/m
Vertical					
7386	60.334	-7.363	52.971	-1.029	54.000

Note:

1. AVG Measurement=Peak Measurement + Duty Cycle Correct Factor
2. The Duty Cycle is refer to section 9.

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

Frequency MHz	Correct Factor dB	Reading Level dBuV	Measurement Level dBuV/m	Margin dB	Limit dBuV/m
Horizontal					
171.620	-10.242	40.257	30.015	-13.485	43.500
346.220	-2.213	39.032	36.819	-9.181	46.000
460.680	1.589	35.592	37.181	-8.819	46.000
633.340	1.880	36.522	38.402	-7.598	46.000
749.740	3.320	32.660	35.980	-10.020	46.000
922.400	6.334	33.724	40.058	-5.942	46.000
Vertical					
171.620	-8.752	38.777	30.025	-13.475	43.500
346.220	-3.093	35.651	32.558	-13.442	46.000
518.880	-0.546	35.639	35.093	-10.907	46.000
633.340	-3.920	42.339	38.419	-7.581	46.000
807.940	3.586	35.749	39.334	-6.666	46.000
922.400	5.534	34.823	40.357	-5.643	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 : Tablet PC
 Test Item : General Radiated Emission Data
 Test Site : No.3 OATS
 Test Mode : Mode 2: Transmit (802.11g 6Mbps)(2437 MHz)

Frequency MHz	Correct Factor dB	Reading Level dBuV	Measurement Level dBuV/m	Margin dB	Limit dBuV/m
Horizontal					
346.220	-2.213	39.046	36.833	-9.167	46.000
460.680	1.589	33.739	35.328	-10.672	46.000
633.340	1.880	34.997	36.877	-9.123	46.000
691.540	3.681	30.276	33.957	-12.043	46.000
749.740	3.320	31.842	35.162	-10.838	46.000
922.400	6.334	32.548	38.882	-7.118	46.000
Vertical					
346.220	-3.093	36.562	33.469	-12.531	46.000
518.880	-0.546	34.402	33.856	-12.144	46.000
633.340	-3.920	42.233	38.313	-7.687	46.000
691.540	2.421	35.588	38.009	-7.991	46.000
807.940	3.586	37.273	40.858	-5.142	46.000
922.400	5.534	33.943	39.477	-6.523	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 : Tablet PC
 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)

Frequency MHz	Correct Factor dB	Reading Level dBuV	Measurement Level dBuV/m	Margin dB	Limit dBuV/m
Horizontal					
346.220	-2.213	38.252	36.039	-9.961	46.000
460.680	1.589	34.618	36.207	-9.793	46.000
633.340	1.880	34.598	36.478	-9.522	46.000
691.540	3.681	29.679	33.360	-12.640	46.000
749.740	3.320	32.601	35.921	-10.079	46.000
922.400	6.334	33.724	40.058	-5.942	46.000
Vertical					
171.620	-8.752	38.625	29.873	-13.627	43.500
346.220	-3.093	36.345	33.252	-12.748	46.000
518.880	-0.546	34.730	34.184	-11.816	46.000
691.540	2.421	36.138	38.559	-7.441	46.000
807.940	3.586	36.784	40.369	-5.631	46.000
922.400	5.534	35.195	40.729	-5.271	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.

5. RF antenna conducted test

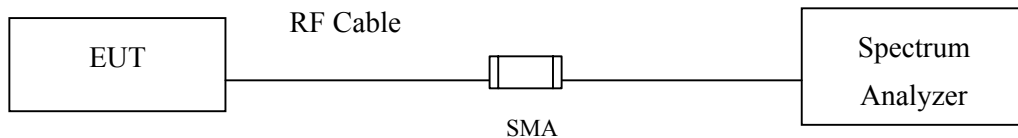
5.1. Test Equipment

	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 Jan. 2012 KDB558074 for compliance to FCC 47CFR 15.247 requirements.

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

5.5. Uncertainty

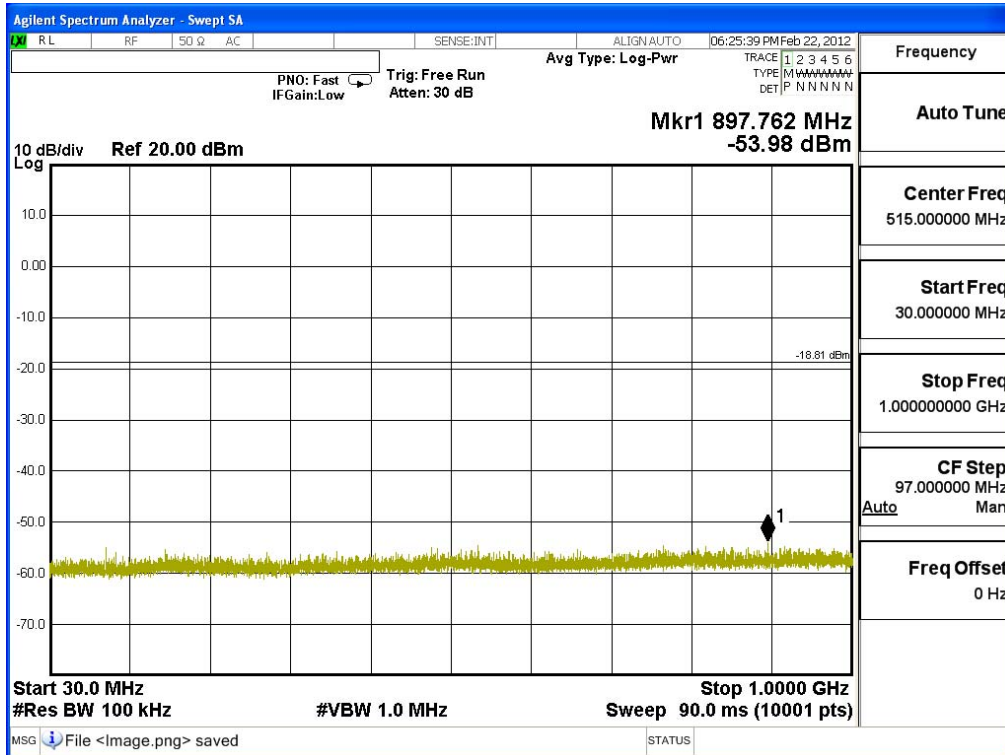
The measurement uncertainty

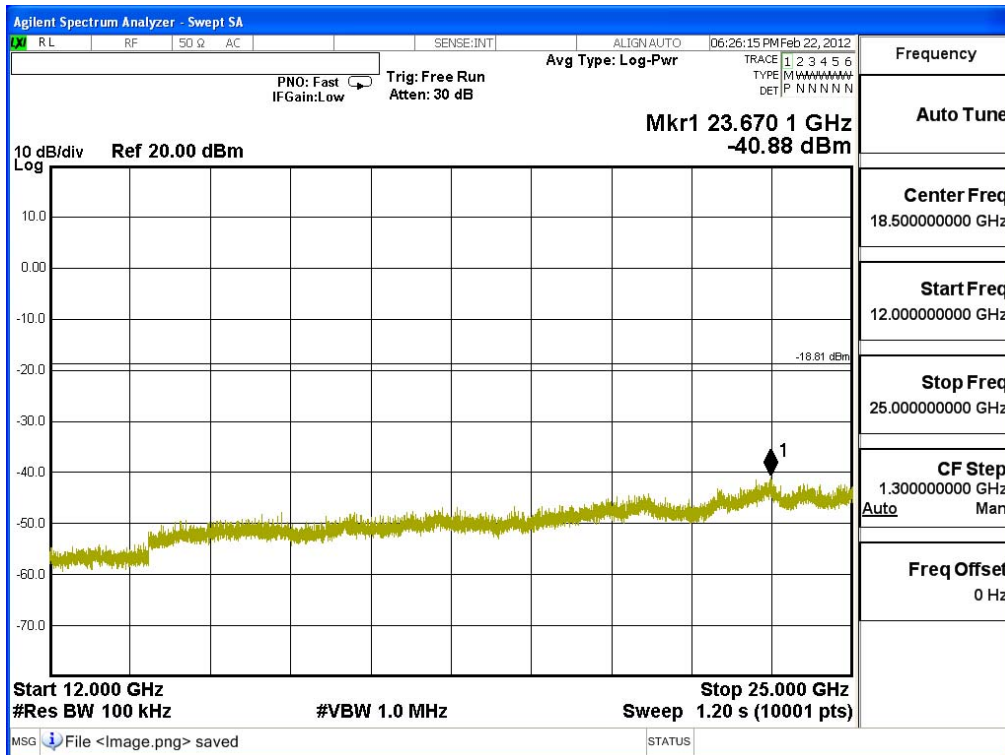
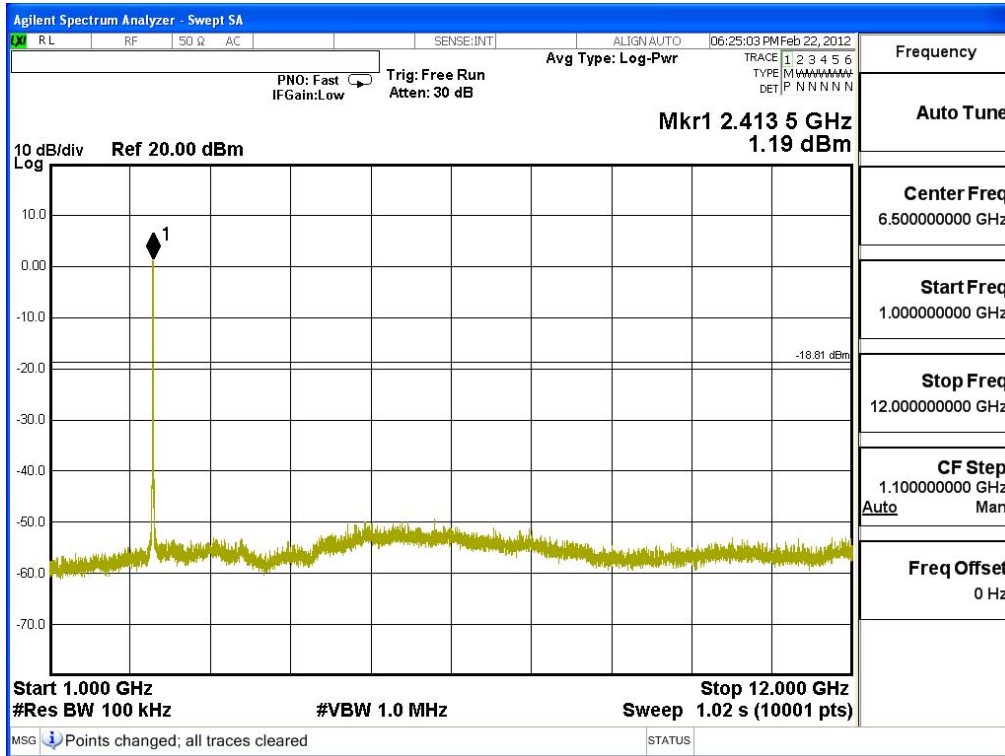
Conducted is defined as $\pm 1.27\text{dB}$

5.6. Test Result of RF antenna conducted test

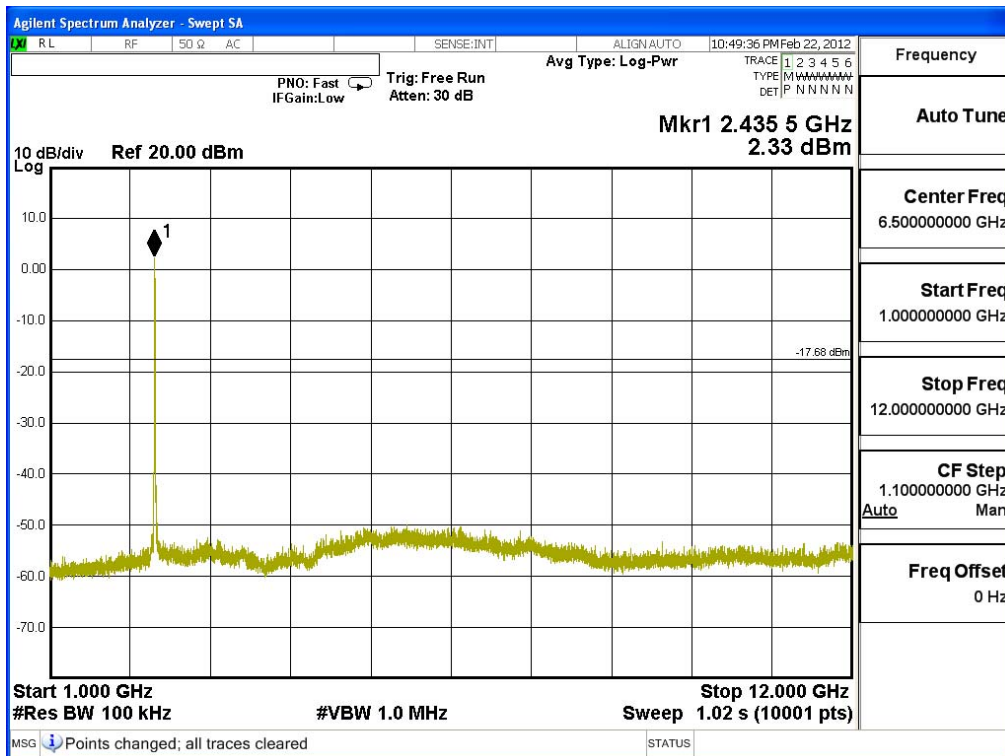
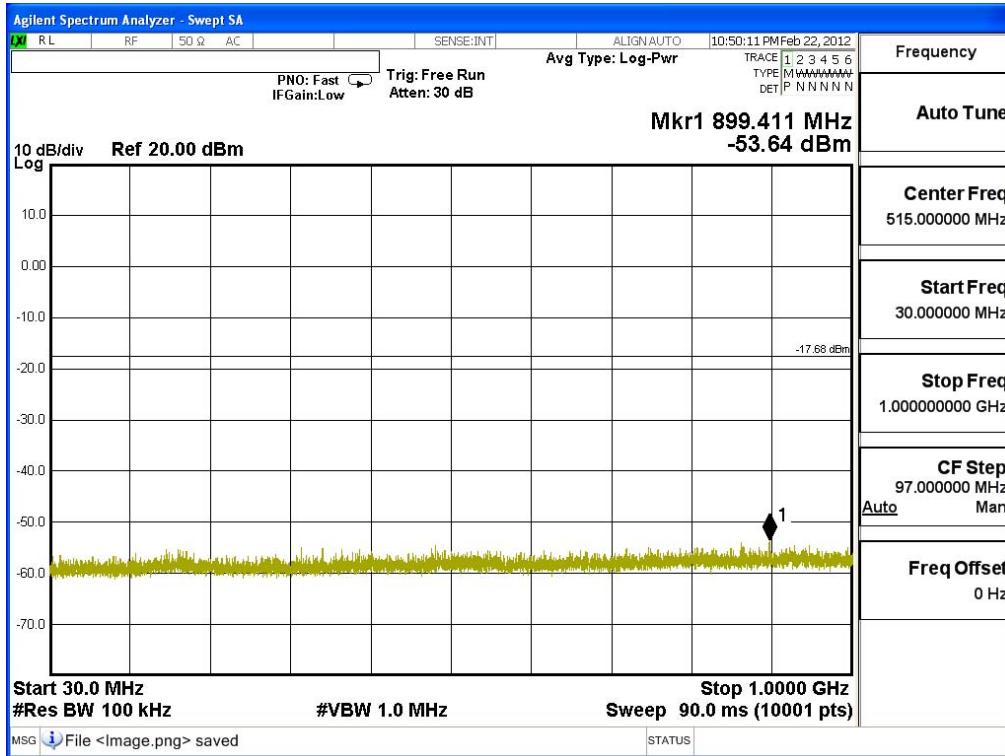
Product : Tablet PC
 Test Item : RF antenna conducted test
 Test Site : No.3 OATS
 Test Mode : Mode 1: Transmit (802.11b 1Mbps)

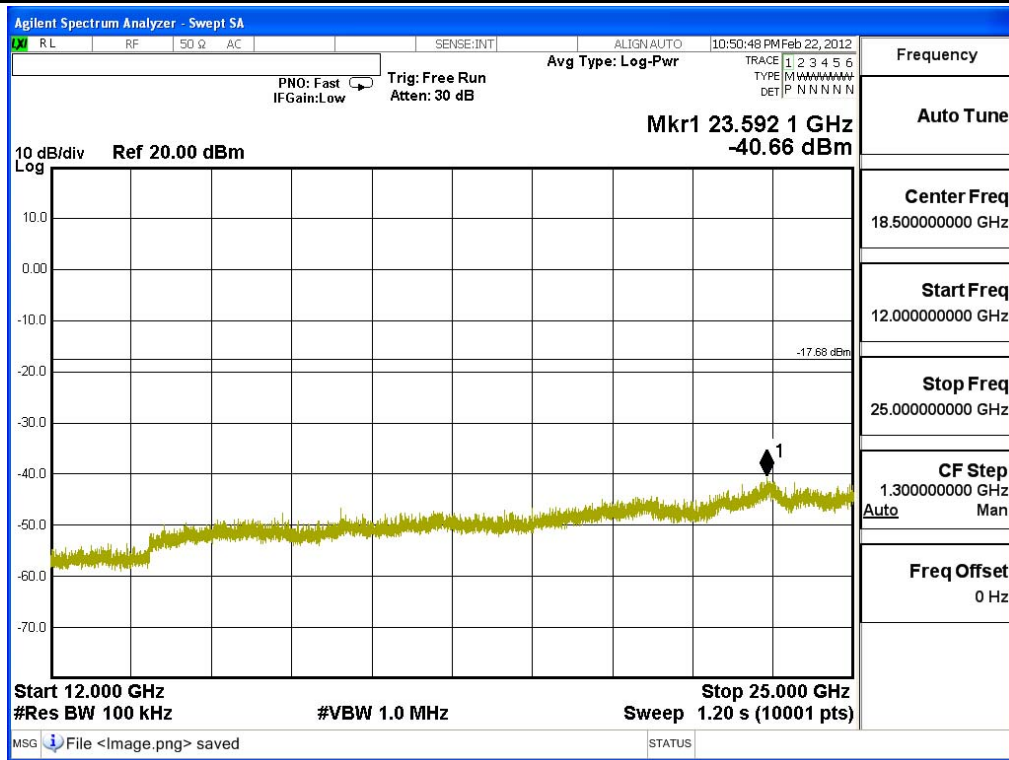
Channel 01 (2412MHz)

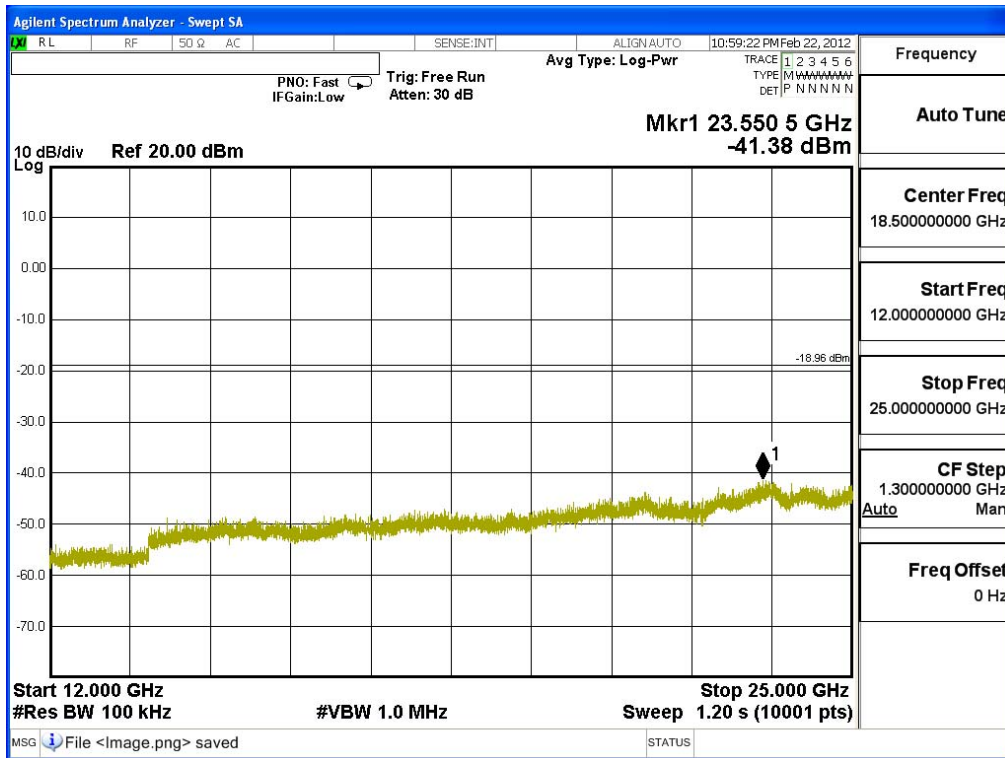




Channel 06 (2437MHz)

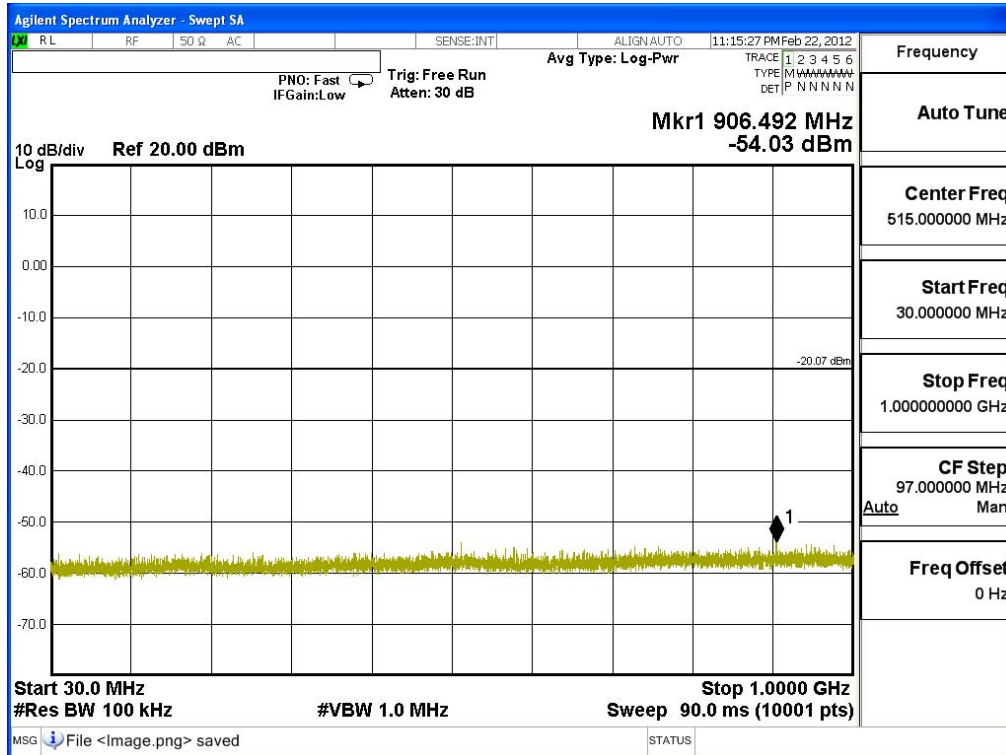


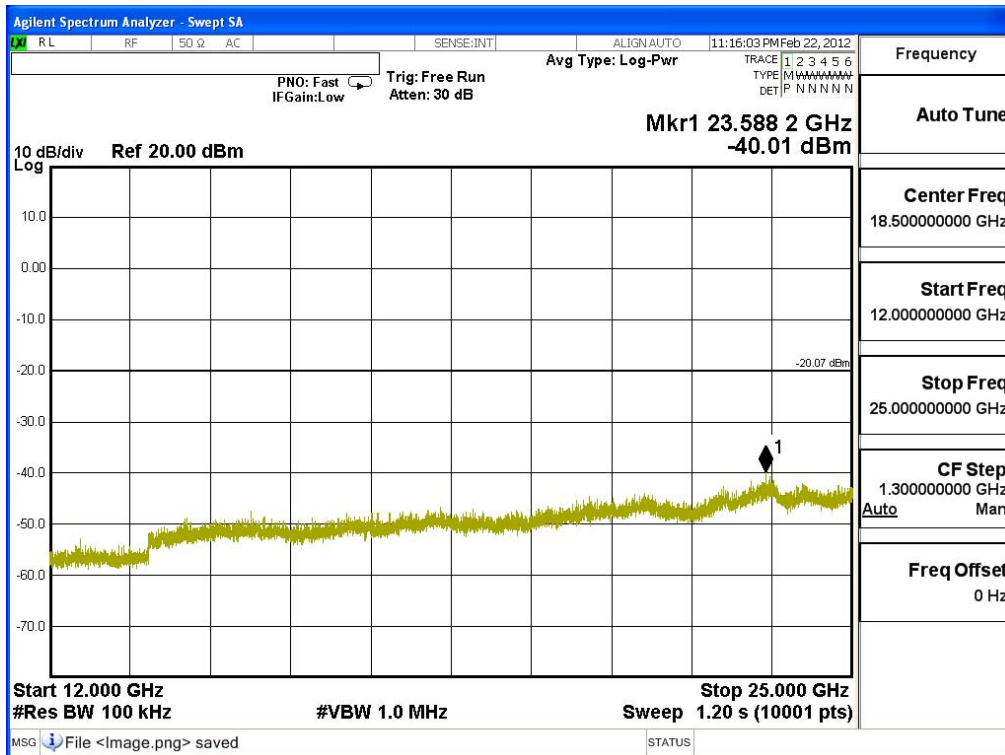
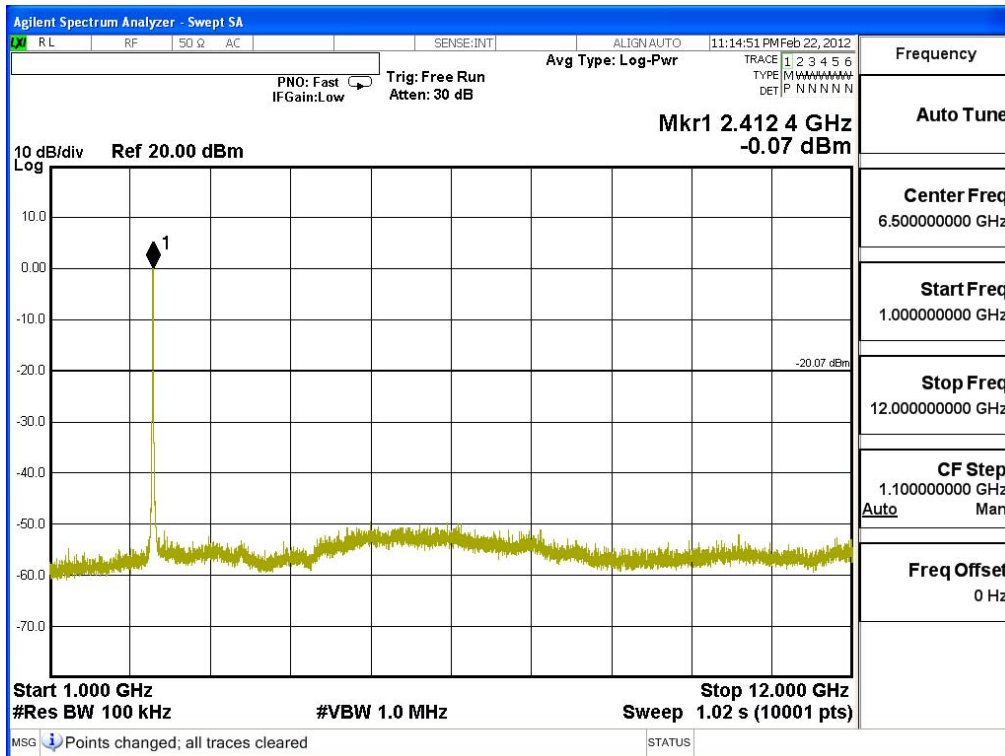


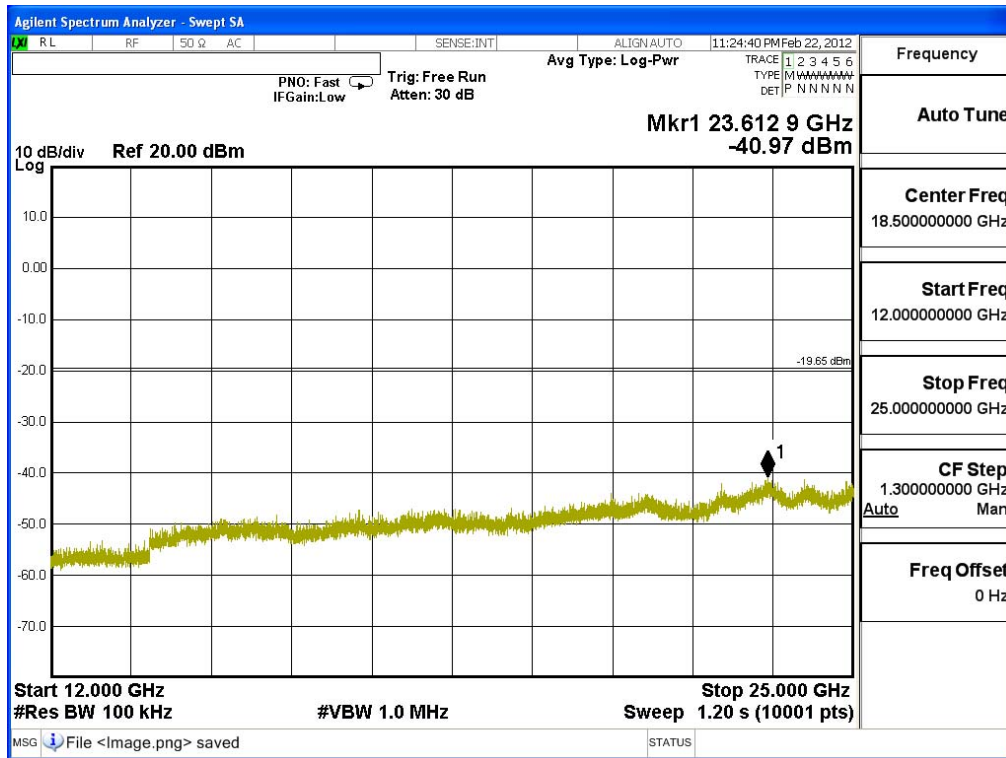


Product : Tablet PC
 Test Item : RF Antenna Conducted Spurious
 Test Site : No.3 OATS
 Test Mode : Mode 2: Transmit (802.11g 6Mbps)

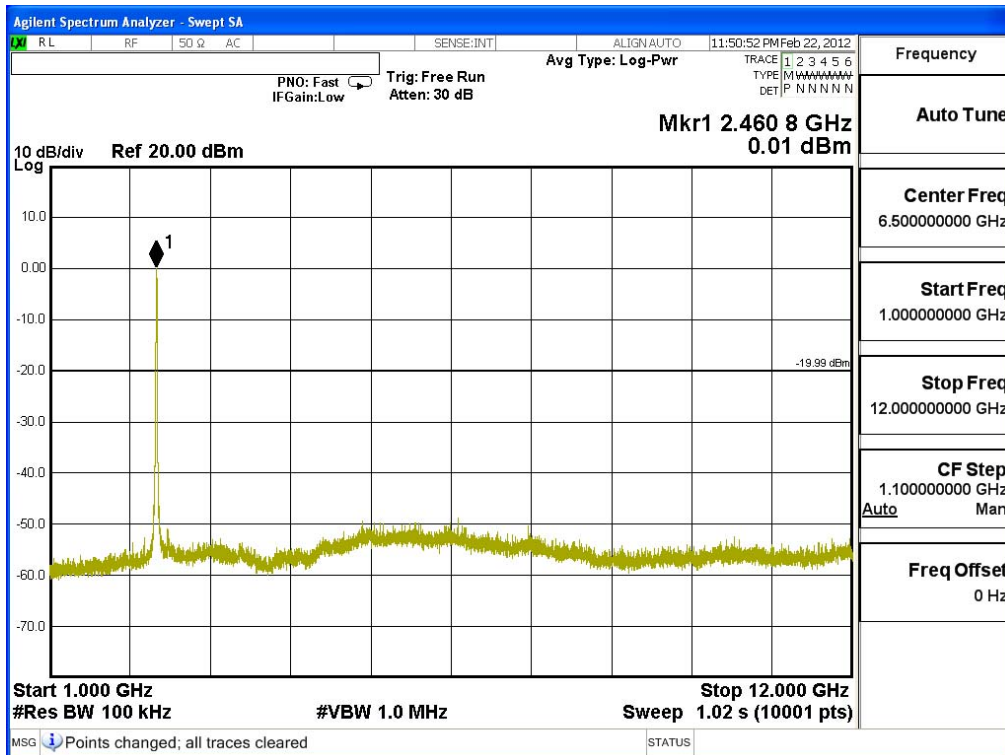
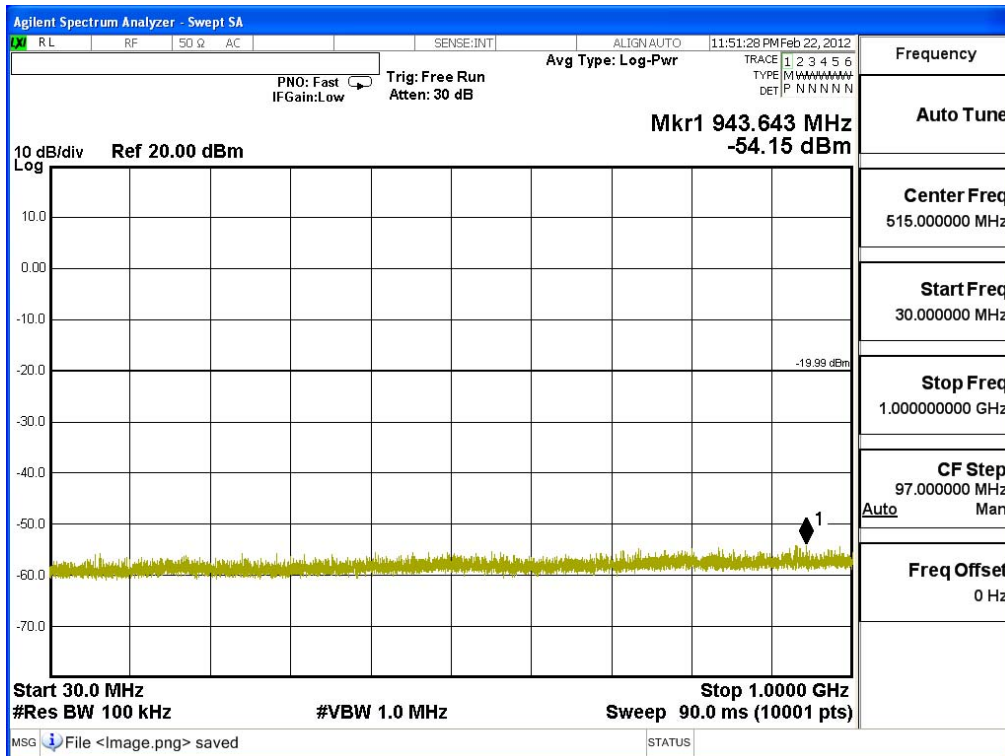
Channel 01 (2412MHz)

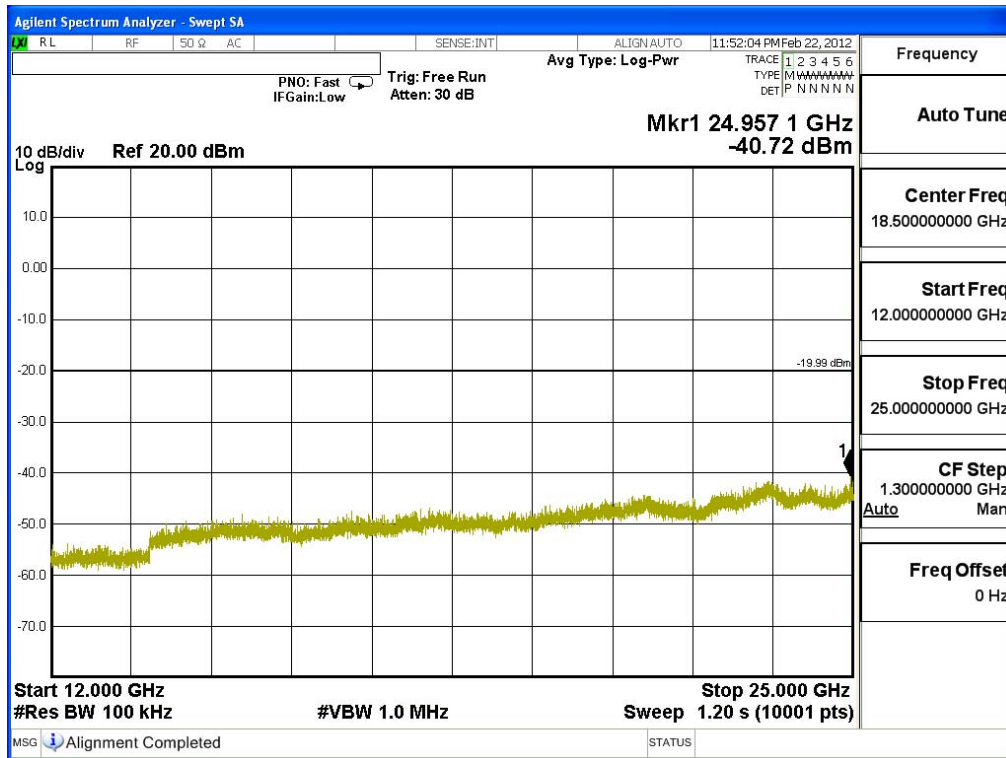






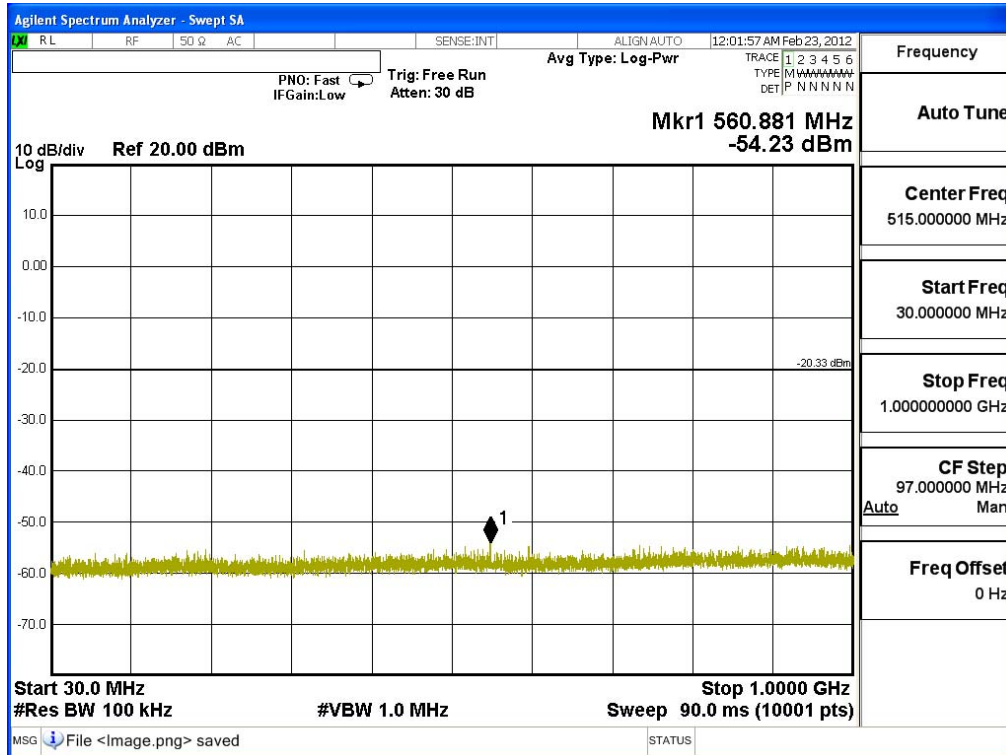
Channel 11 (2462MHz)

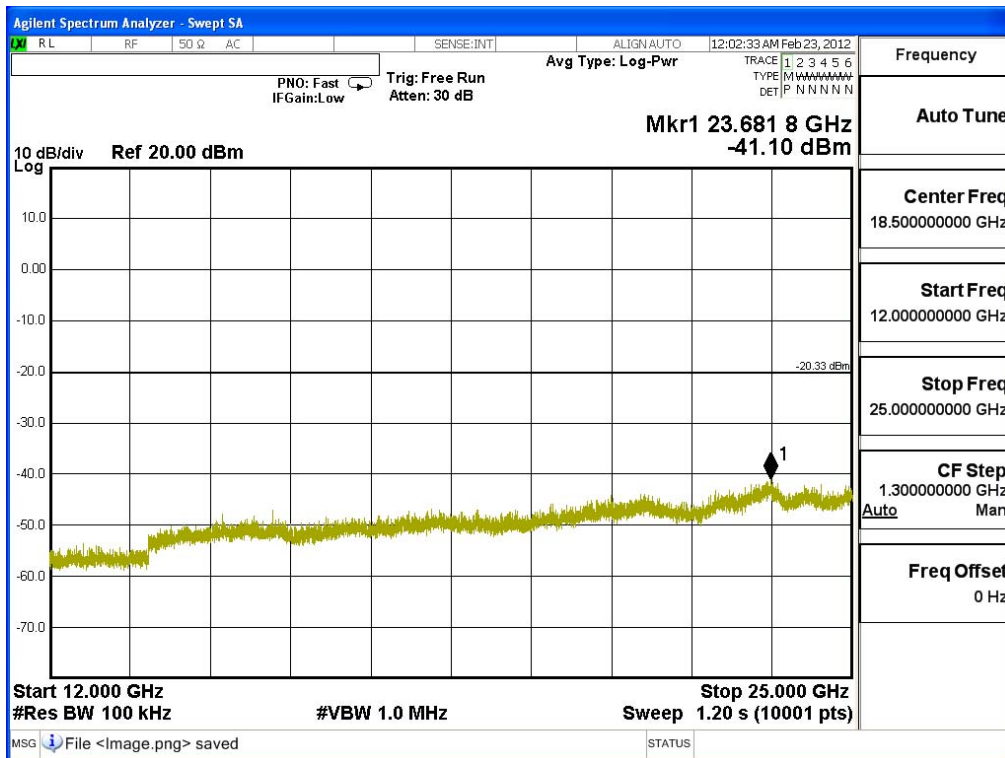
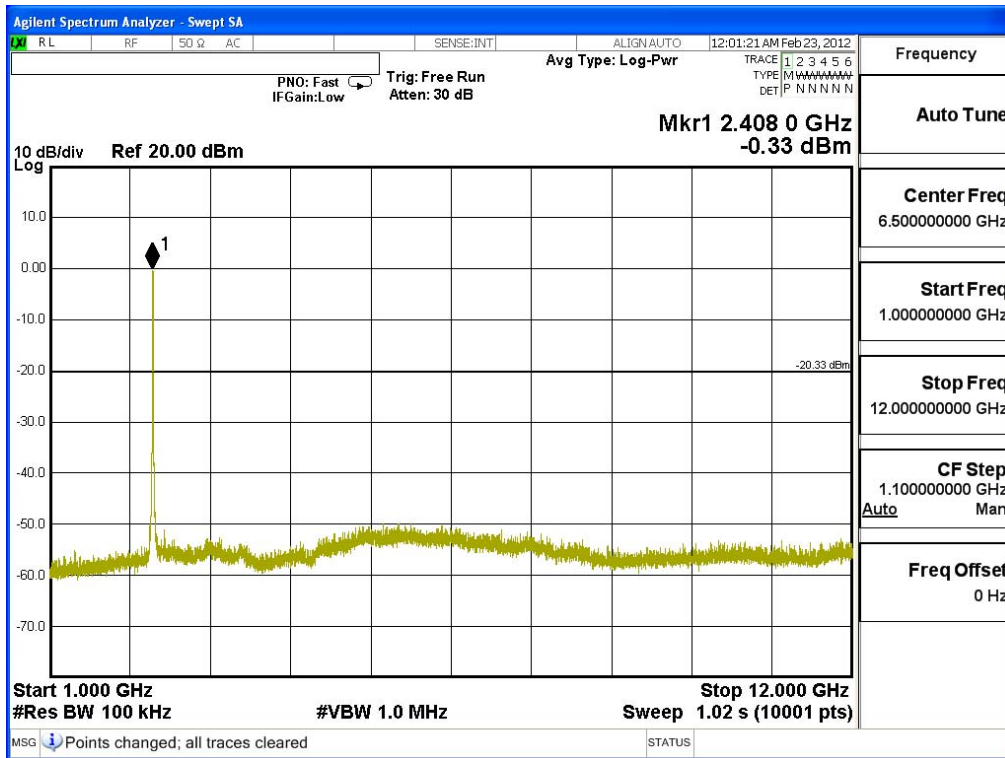


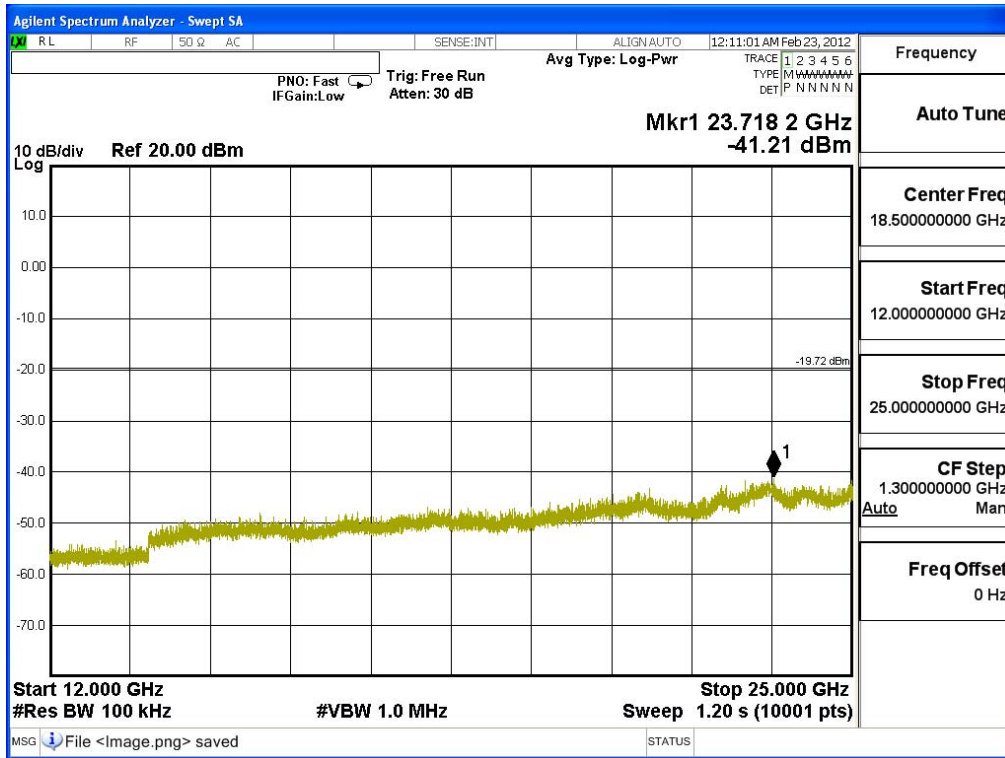


Product : Tablet PC
 Test Item : RF Antenna Conducted Spurious
 Test Site : No.3 OATS
 Test Mode : Mode 3: Transmit (802.11n MCS0 7.2Mbps 20M-BW)

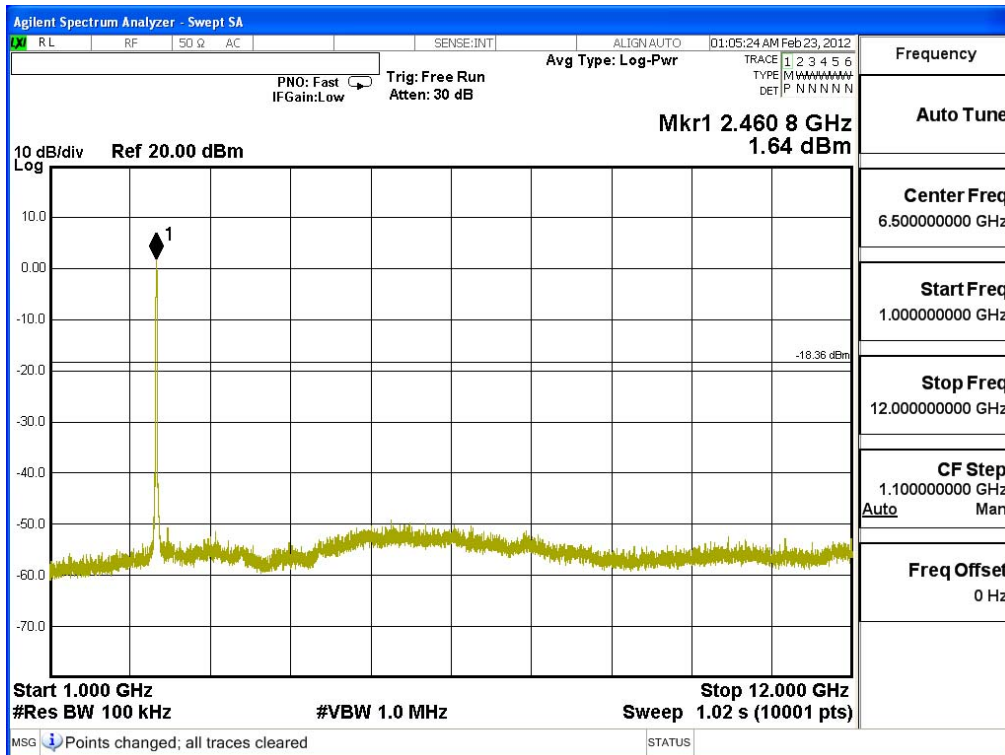
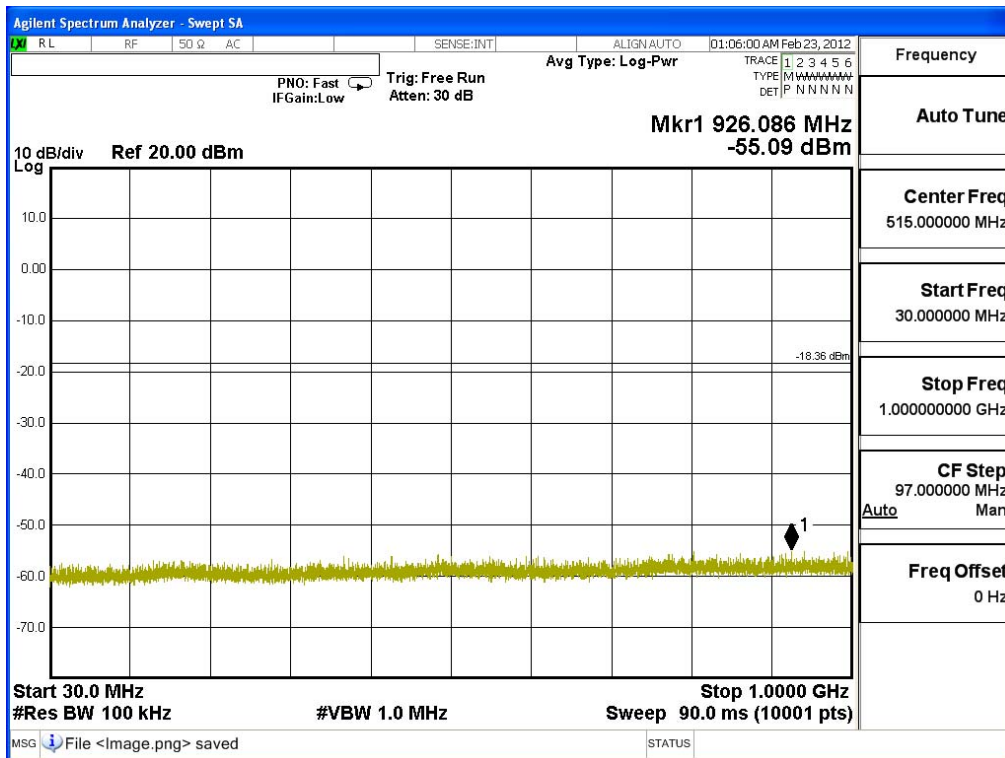
Channel 01 (2412MHz)

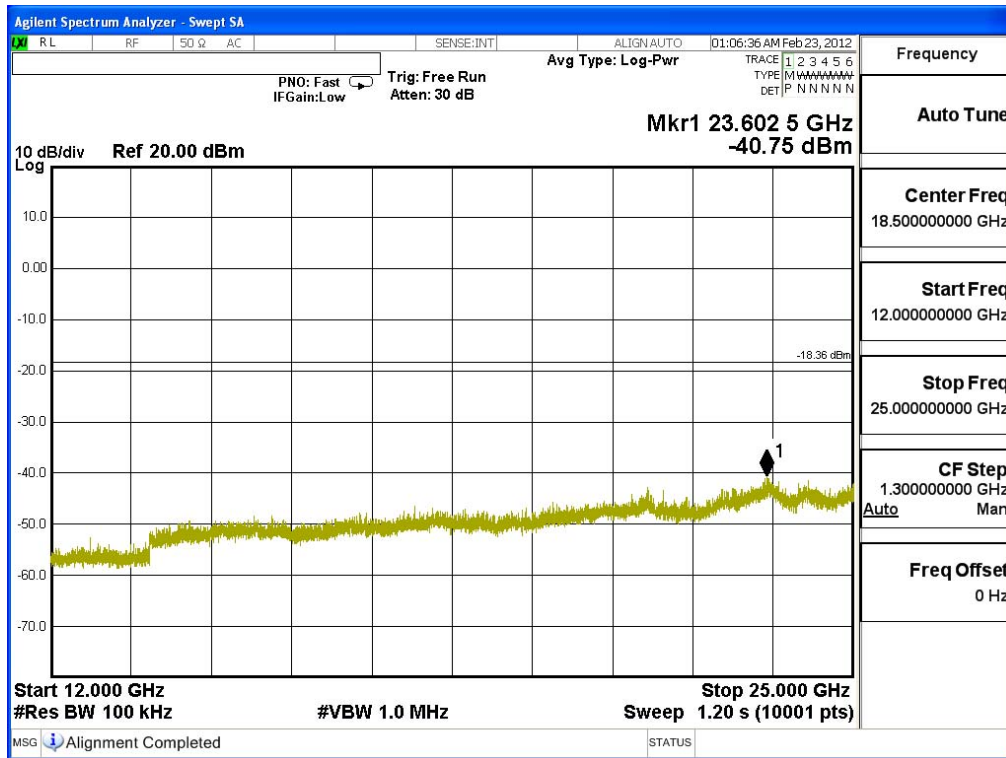






Channel 11 (2462MHz)





6. Band Edge

6.1. Test Equipment

RF Conducted Measurement

The following test equipments are used during the band edge tests:

	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.

RF Radiated Measurement:

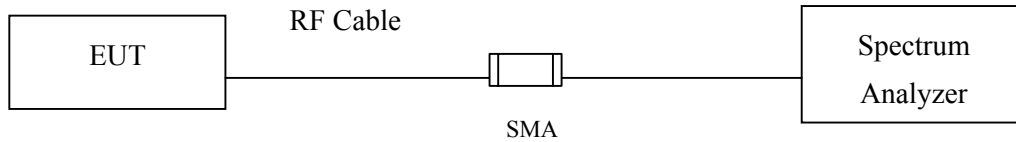
The following test equipments are used during the band edge tests:

Test Site		Equipment	Manufacturer	Model No./Serial No.	Last Cal.
☒ Site # 3		Bilog Antenna	Schaffner Chase	CBL6112B/2673	Sep., 2011
	X	Horn Antenna	Schwarzbeck	BBHA9120D/D305	Sep., 2011
		Horn Antenna	Schwarzbeck	BBHA9170/208	Jul., 2011
	X	Pre-Amplifier	Agilent	8447D/2944A09549	Sep., 2011
	X	Spectrum Analyzer	Agilent	E4407B / US39440758	May, 2011
		Test Receiver	R & S	ESCS 30/ 825442/018	Sep., 2011
	X	Coaxial Cable	Quietek	QTK-CABLE/ CAB5	Feb., 2012
	X	Controller	Quietek	QTK-CONTROLLER/ CTRL3	N/A
	X	Coaxial Switch	Anritsu	MP59B/6200265729	N/A

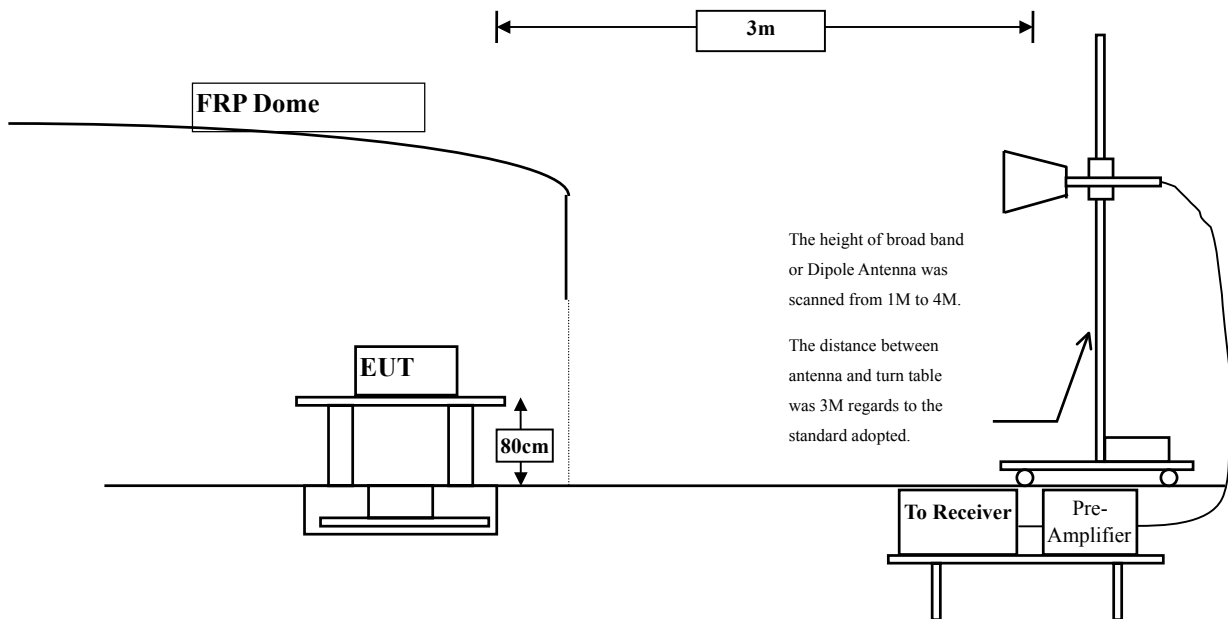
- Note:
1. All instruments are calibrated every one year.
 2. The test instruments marked by "X" are used to measure the final test results.

6.2. Test Setup

RF Conducted Measurement



RF Radiated Measurement:



6.3. 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.

6.4. Test Procedure

The EUT was setup according to ANSI C63.4: 2003 and tested according to DTS test procedure of Jan. 2012 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 from 1 meter to 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.

6.5. Uncertainty

± 3.9 dB above 1GHz

± 3.8 dB below 1GHz

6.6. Test Result of Band Edge

Product : Tablet PC
 Test Item : Band Edge Data
 Test Site : No.3 OATS
 Test Mode : Mode 1: Transmit (802.11b 1Mbps)

Fundamental Filed Strength

Antenna Pole	Frequency [MHz]	Correction Factor [dB/m]	Reading Level [dBuV]	Emission Level [dBuV/m]	Detector
Horizontal	2412	31.639	55.93	87.568	Peak
Horizontal	2412	31.639	51.26	82.898	Average
Vertical	2412	30.95	58.29	89.239	Peak
Vertical	2412	31.639	53.62	85.258	Average

Note: 1: Spectrum Analyzer setting:

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

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

Band Edge Test Data

Antenna Pole	Test Frequency (MHz)	Fundamental (dBuV/m)	Δ (dB)	Band Edge Field Strength (dBuV/m)	Limit (dBuV/m)	Detector
Horizontal	2384.9	87.568	47.45	40.118	74.000	Peak
Horizontal	2388.9	82.898	55.43	27.468	54.000	Average
Vertical	2384.9	89.239	47.45	41.789	74.000	Peak
Vertical	2388.9	85.258	55.43	29.828	54.000	Average

Note:

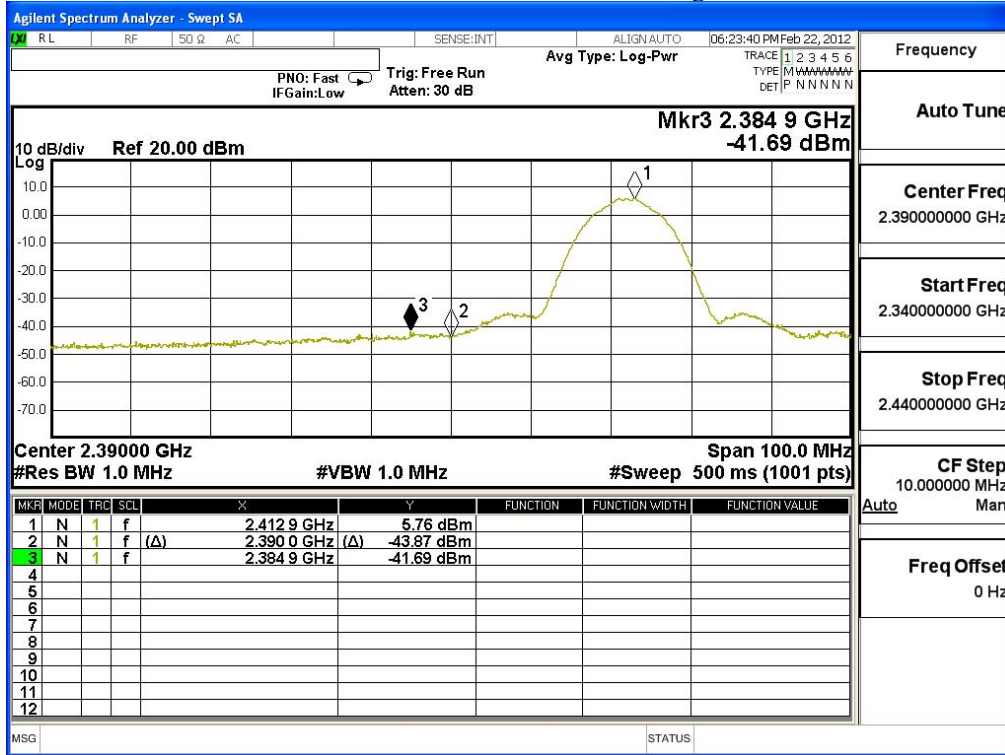
The Band Edge Field Strength was calculated using the Fundamental and Conducted Band Edge measurements per the Marker-Delta Method with the following formula:

Band Edge field Strength = F - Δ

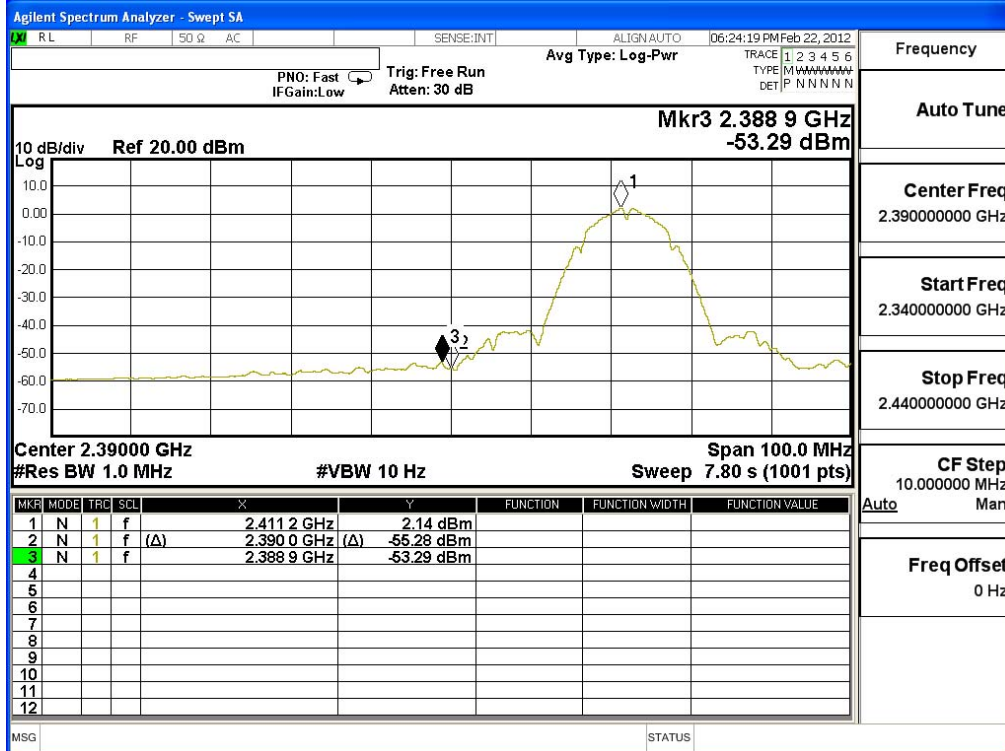
F = Fundamental field Strength (Peak or Average)

Δ = Conducted Band Edge Delta (Peak or Average)

Peak Detector of conducted Band Edge Delta



Average Detector of conducted Band Edge Delta



Product : Tablet PC
 Test Item : Band Edge Data
 Test Site : No.3 OATS
 Test Mode : Mode 1: Transmit (802.11b 1Mbps)

Fundamental Filed Strength

Antenna Pole	Frequency [MHz]	Correction Factor [dB/m]	Reading Level [dBuV]	Emission Level [dBuV/m]	Detector
Horizontal	2462	32.019	56.05	88.069	Peak
Horizontal	2462	32.019	51.45	83.469	Average
Vertical	2462	31.29	58.85	90.14	Peak
Vertical	2462	31.29	54.34	85.63	Average

Note: 1: Spectrum Analyzer setting:

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

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

Band Edge Test Data

Antenna Pole	Test Frequency (MHz)	Fundamental (dBuV/m)	Δ (dB)	Band Edge Field Strength (dBuV/m)	Limit (dBuV/m)	Detector
Horizontal	2491.5	88.069	47.1	40.969	74.000	Peak
Horizontal	2499.8	83.469	54.43	29.039	54.000	Average
Vertical	2491.5	90.14	47.1	43.04	74.000	Peak
Vertical	2499.8	85.63	54.43	31.2	54.000	Average

Note:

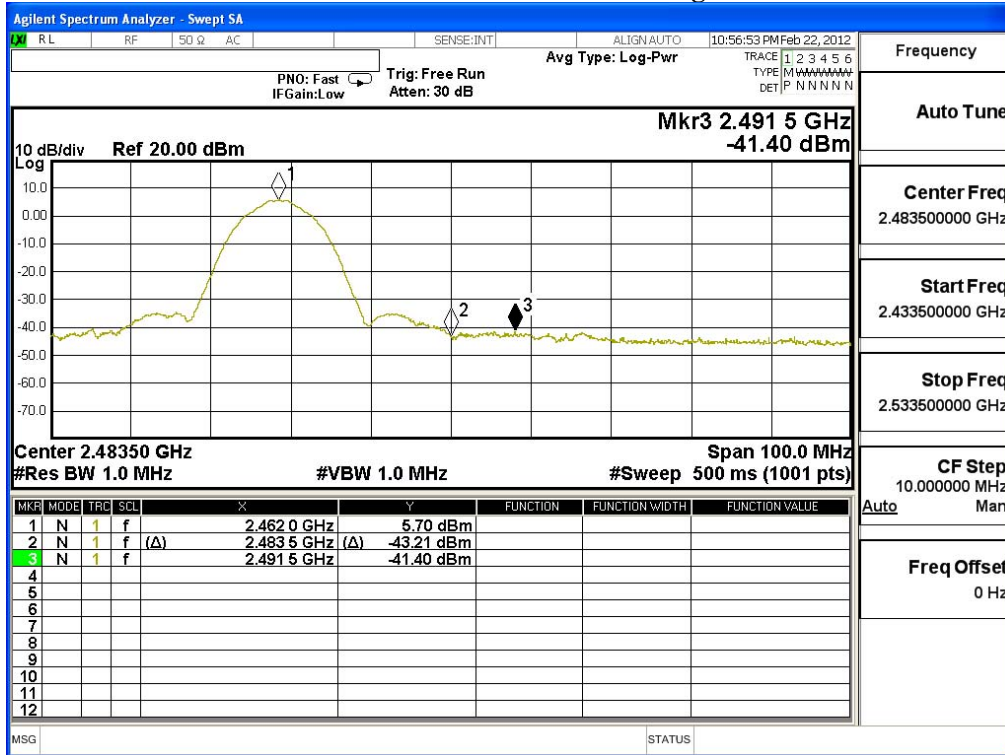
The Band Edge Field Strength was calculated using the Fundamental and Conducted Band Edge measurements per the Marker-Delta Method with the following formula:

Band Edge field Strength = F - Δ

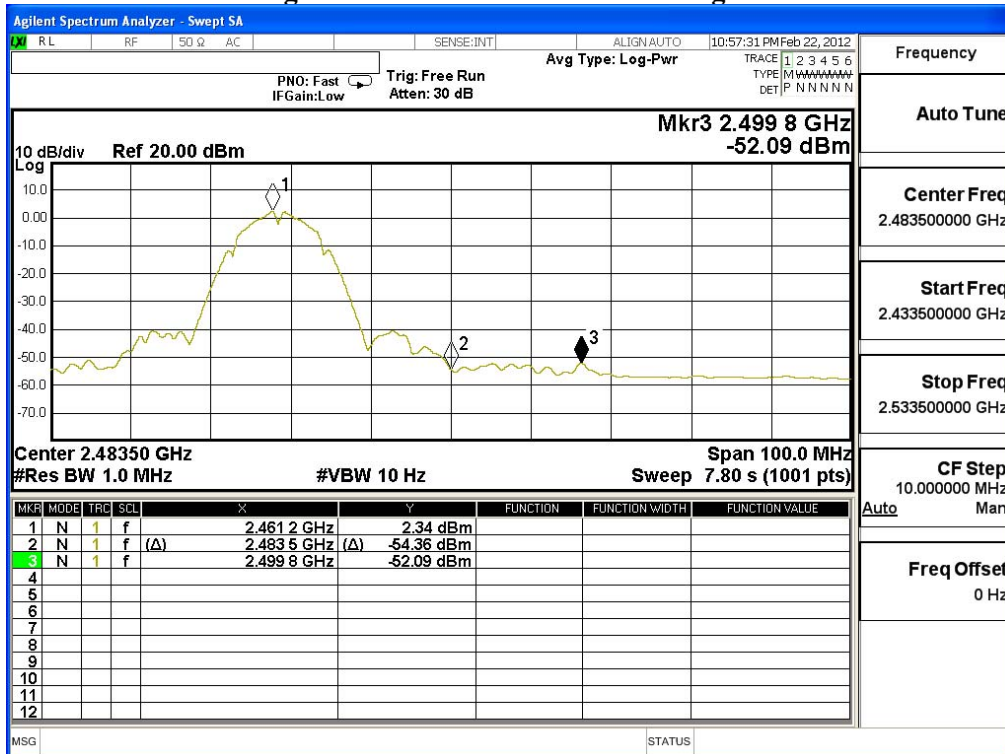
F = Fundamental field Strength (Peak or Average)

Δ = Conducted Band Edge Delta (Peak or Average)

Peak Detector of conducted Band Edge Delta



Average Detector of conducted Band Edge Delta



Product : Tablet PC
 Test Item : Band Edge Data
 Test Site : No.3 OATS
 Test Mode : Mode 2: Transmit (802.11g 6Mbps)

Fundamental Filed Strength

Antenna Pole	Frequency [MHz]	Correction Factor [dB/m]	Reading Level [dBuV]	Emission Level [dBuV/m]	Detector
Horizontal	2412	31.771	65.26	97.032	Peak
Horizontal	2412	31.771	47.74	79.512	Average
Vertical	2412	30.248	63.14	93.389	Peak
Vertical	2412	30.248	46.02	76.269	Average

Note: 1: Spectrum Analyzer setting:

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

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

Band Edge Test Data

Antenna Pole	Test Frequency (MHz)	Fundamental (dBuV/m)	Δ (dB)	Band Edge Field Strength (dBuV/m)	Limit (dBuV/m)	Detector
Horizontal	2389.4	97.032	37.67	59.362	74.000	Peak
Horizontal	2390	79.512	40.38	39.132	54.000	Average
Vertical	2389.4	93.389	37.67	55.719	74.000	Peak
Vertical	2390	76.269	40.38	35.889	54.000	Average

Note:

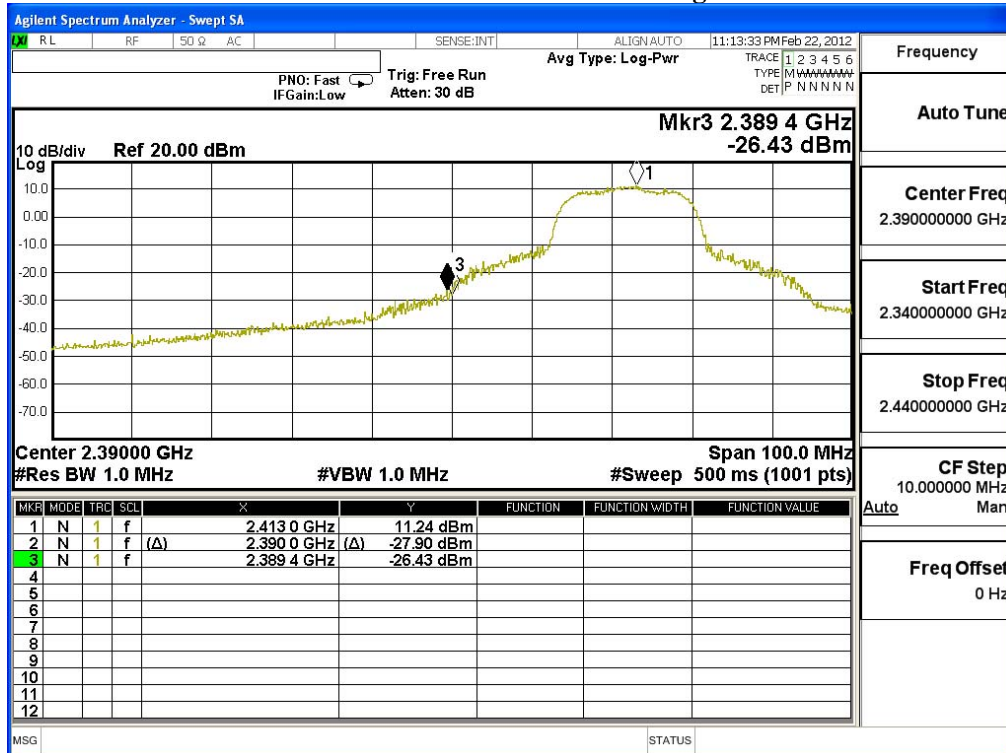
The Band Edge Field Strength was calculated using the Fundamental and Conducted Band Edge measurements per the Marker-Delta Method with the following formula:

Band Edge field Strength = F - Δ

F = Fundamental field Strength (Peak or Average)

Δ = Conducted Band Edge Delta (Peak or Average)

Peak Detector of conducted Band Edge Delta



Average Detector of conducted Band Edge Delta

