



Test Report

Product Name : Wi-Fi ATA
Model No. : W200, W110
FCC ID. : VLW-W200-110

Applicant : Soundwin Network Inc.

Address : 10F-4, No. 295, Sec. 2, Kuangfu Rd., Hsinchu City, Taiwan

Date of Receipt : 2007/08/08
Issued Date : 2007/09/14
Report No. : 078149R-RFUSP06V01

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.

Test Report Certification

Issued Date : 2007/09/14

Report No. : 078149R-RFUSP06V01



Product Name : Wi-Fi ATA
 Applicant : Soundwin Network Inc.
 Address : 10F-4, No. 295, Sec. 2, Kuangfu Rd., Hsinchu City, Taiwan
 Manufacturer : Soundwin Network Inc.
 Model No. : W200, W110
 FCC ID. : VLW-W200-110
 Rated Voltage : AC 120 V / 60 Hz
 EUT Voltage : AC 120 V / 60 Hz
 Trade Name : Soundwin
 Applicable Standard : FCC CFR Title 47 Part 15 Subpart C Section 15.247: 2006
 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.

Documented By : Sandy Chuang
 (Sandy Chuang / Engineering Adm. Specialist)

Tested By : Sheena Huang
 (Sheena Huang / Engineer)

Approved By : Roy Wang
 (Roy Wang / Manager)

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1. General Information

1.1. EUT Description

Product Name	Wi-Fi ATA
Trade Name	Soundwin
Model No.	W200, W110
Frequency Range	2412~2462MHz
Channel Number	11
Type of Modulation (IEEE 802.11b)	Direct Sequence Spread Spectrum (DSSS)
Type of Modulation (IEEE 802.11g)	Orthogonal Frequency Division Multiplexing (OFDM)
Data Speed (IEEE 802.11b)	1Mbps, 2Mbps, 5.5Mbps, 11Mbps
Data Speed (IEEE 802.11g)	6Mbps,9Mbps,12Mbps,18Mbps,24Mbps,36Mbps,48Mbps,54Mbps
Channel Control	Auto
Antenna Type	Monopole Antenna
Antenna Gain	3.13dBi

Component	
CD	1 Set
LAN Cable	Non-Shielded, 1.0m
Power Adapter	Sunny, SYS1298-1812-W2 I/P: 100-240V-1A, MAX 30~40A, 50-60 Hz O/P: 12VDC-1.5A Cable Out: Non-Shielded, 1.68m

Working Frequency of Each Channel							
Channel	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency
001	2412 MHz	002	2417 MHz	003	2422 MHz	004	2427 MHz
005	2432 MHz	006	2437 MHz	007	2442 MHz	008	2447 MHz
009	2452 MHz	010	2457 MHz	011	2462 MHz		

Note:

1. This device is a Wi-Fi ATA included a 2.4GHz receiving function, and 2.4GHz transmitting function.
2. These tests were conducted on a sample of the equipment for the purpose of demonstrating compliance with Part 15 Subpart C Paragraph 15.247 for spread spectrum devices.
3. The different of the each model is shown as below:

Model Number	Description
W200	W200- FXS*2, PSTN Line *1
W110	W110- FXS*1, PSTN Line *1

4. Regards to the frequency band operation; the lowest 、 middle and highest frequency of channel were selected to perform the test, and then shown on this report.
5. This device is a composite device in accordance with Part 15 regulations. The function normal was measured and made a test report that the report number is 078149R-RFUSP01V02 under Declaration of Conformity.

1.3. Test Mode

Quietek has verified the construction and function in typical operation. All the test modes were carried out with the EUT in transmitting operation, which was shown in this test report and defined as follows:

Pre-Test Mode	
EMI	Mode 1: Transmit (1, 2, 5.5, 11Mbps for 802.11b) (6,9,12,18,24,36,48,54 Mbps for 802.11g)
Final Test Mode	
EMI	Mode 1: Transmit (11Mbps for 802.11b;54 Mbps for 802.11g)

Note: According to ANSI C63.4 Std, the test results are both the “worst case” and “worst setup”.

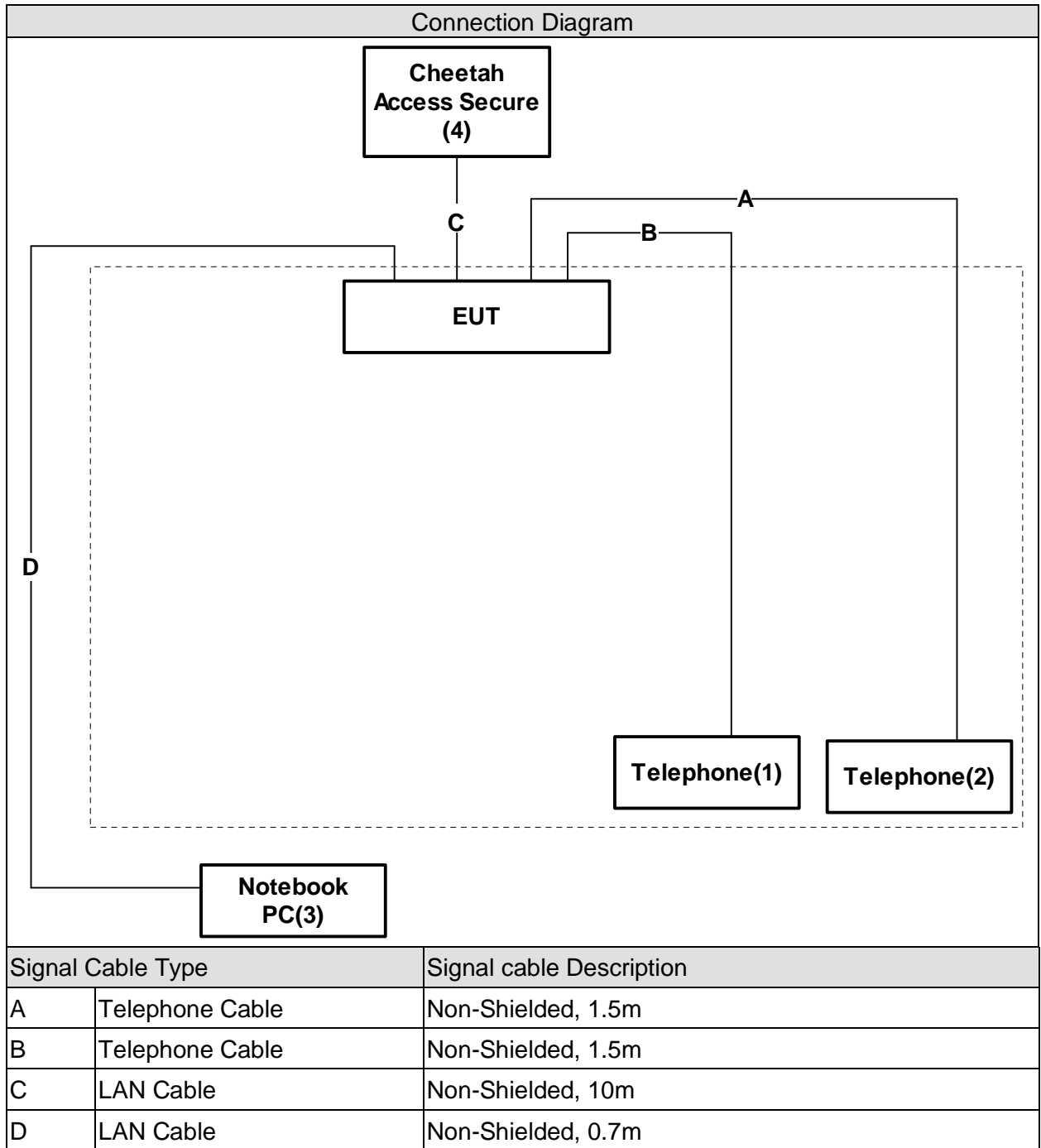
802.11b		802.11g	
Data Rate (Mbps)	Power (dBm)	Data Rate (Mbps)	Power (dBm)
1	19.68	6	16.51
2	19.67	9	16.55
5.5	19.61	12	16.59
11	19.61	18	16.53
		24	17.04
		36	16.99
		48	16.96
		54	17.18

1.4. Tested System Details

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

	Product	Manufacturer	Model No.	Serial No.	Power Cord
1	Telephone	TENTEL	K-302	50721005000552	--
2	Telephone	TENTEL	K-302	50721005000551	--
3	Notebook PC	DELL	LATITUDE D400	N/A	Non-shielded, 1.7m, a ferrite core bonded
4	Cheetah Access Secure				

1.5. Configuration of tested System



1.6. EUT Exercise Software

1	Setup the EUT and simulators as shown on 1.4.
2	Turn on the power of all equipment.
3	Boot the notebook from Hard Disk.
4	Data will be communicated notebook and EUT.
5	The notebook monitor will show the transmitting and receiving characteristics when the communication is success.
6	Repeat the above procedure (4) to (5).

1.7. Test Facility

Ambient conditions in the laboratory:

Items	Test Item	Required (IEC 68-1)	Actual
Temperature (°C)	FCC PART 15 C 15.247 Band Edge (FHSS)	15 - 35	25
Humidity (%RH)		25 - 75	50
Barometric pressure (mbar)		860 - 1060	950-1000
Temperature (°C)	FCC PART 15 C 15.247 Channel Of Number (FHSS)	15 - 35	25
Humidity (%RH)		25 - 75	53
Barometric pressure (mbar)		860 - 1060	950-1000
Temperature (°C)	FCC PART 15 C 15.247 Channel Separation (FHSS)	15 - 35	25
Humidity (%RH)		25 - 75	58
Barometric pressure (mbar)		860 - 1060	950-1000
Temperature (°C)	FCC PART 15 C 15.247 Dwell Time (FHSS)	15 - 35	25
Humidity (%RH)		25 - 75	58
Barometric pressure (mbar)		860 - 1060	950-1000
Temperature (°C)	FCC PART 15 C 15.247 Occupied Bandwidth (FHSS)	15 - 35	25
Humidity (%RH)		25 - 75	59
Barometric pressure (mbar)		860 - 1060	950-1000
Temperature (°C)	FCC PART 15 C 15.247 Peak Power Output (FHSS)	15 - 35	25
Humidity (%RH)		25 - 75	58
Barometric pressure (mbar)		860 - 1060	950-1000
Temperature (°C)	FCC PART 15 C 15.247 Radiated Emission (FHSS)	15 - 35	25
Humidity (%RH)		25 - 75	65
Barometric pressure (mbar)		860 - 1060	950-1000

Site Description:

January 24, 2005 File on
Federal Communications Commission
Laboratory Division
7435 Oakland Mills Road
Columbia, MD 21046
Registration Number: 365520



Accredited by CNLA
Accreditation Number: 1313
Effective through: September 27, 2007



1313
ILAC MRA

Accredited by NVLAP
NVLAP Lab Code: 200347-0
Effective through: September 30, 2007



Site Name: Quietek Corporation

Site Address: No.75-1, Wang-Yeh Valley, Yung-Hsing,
Chiung-Lin, Hsin-Chu County,
Taiwan, R.O.C.
TEL : 886-3-592-8858 / FAX : 886-3-592-8859
E-Mail : service@quietek.com

2. Conducted Emission

2.1. Test Equipment

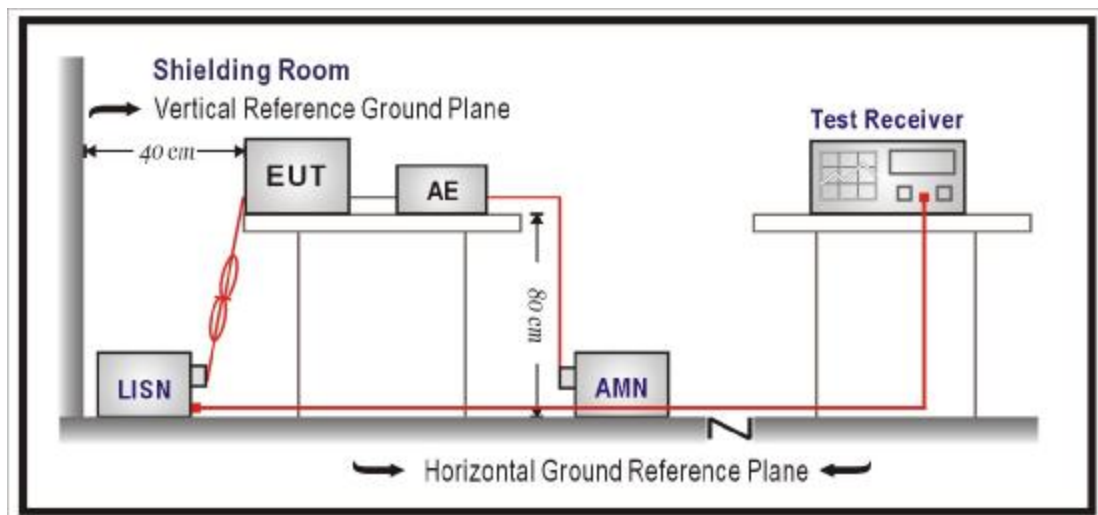
The following test equipment are used during the test:

Conducted Emission / SR2

Instrument	Manufacturer	Type No.	Serial No	Cal. Date
4-Wire ISN	R & S	ENY 41	837032/001	2007/04/15
Artificial Mains Network	R & S	ENV4200	848411/010	2007/03/13
Double 2-Wire ISN	R & S	ENY 22	835354/008	2007/04/15
LISN	R & S	ESH3-Z5	825562/002	2007/03/31
Pulse Limiter	R & S	ZSH3Z2	357.8810.54	2007/07/19
Test Receiver	R & S	ESCS 30	100122	2007/02/21

Note: All equipment upon which need to calibrated are with calibration period of 1 year.

2.2. Test Setup



2.3. Limits

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

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

2.4. Test Procedure

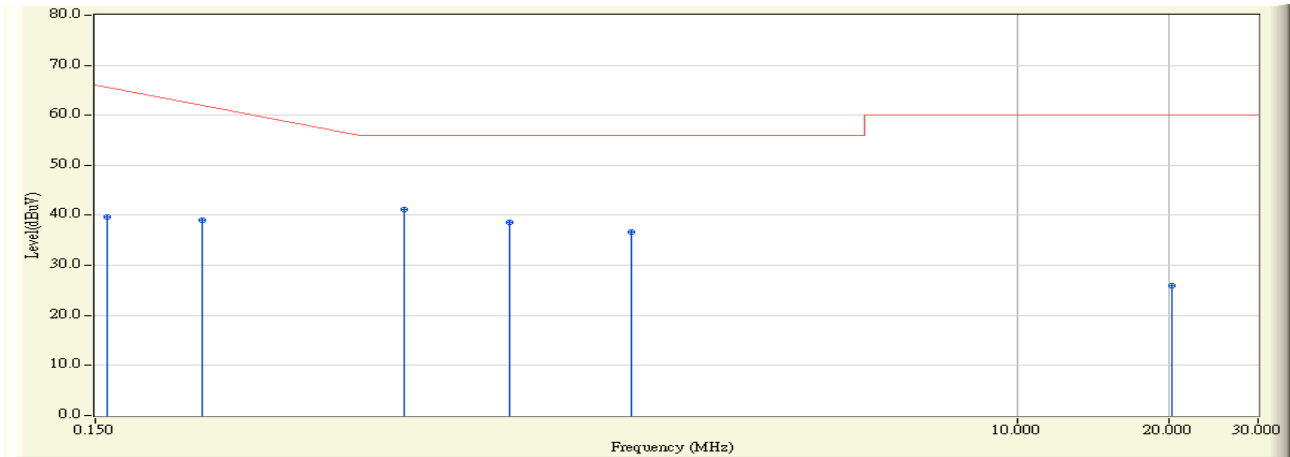
The EUT and simulators are connected to the main power through a line impedance stabilization network (L.I.S.N.). This provides a 50 ohm /50uH coupling impedance for the measuring equipment. The peripheral devices are also connected to the main power through a LISN that provides a 50ohm/50uH coupling impedance with 50ohm termination. (Please refers to the block diagram of the test setup and photographs.) Both sides of A.C. line are checked for maximum conducted interference. In order to find the maximum emission, the relative positions of equipment and all of the interface cables must be changed according to ANSI C63.4: 2003 on conducted measurement. Conducted emissions were invested over the frequency range from 0.15MHz to 30MHz using a receiver bandwidth of 9kHz.

2.5. Test Specification

According to FCC Part 15 Subpart C Paragraph 15.207: 2006

2.6. Test Result

Site : ShieldingRoom2	Time : 2007/09/03 - 10:52
Limit : CISPR_B_00M_QP	Margin : 0
EUT : Wi-Fi ATA	Probe : QTK-LISN-SR2 - Line1
Power : AC 120V/60Hz	Note : TX-B

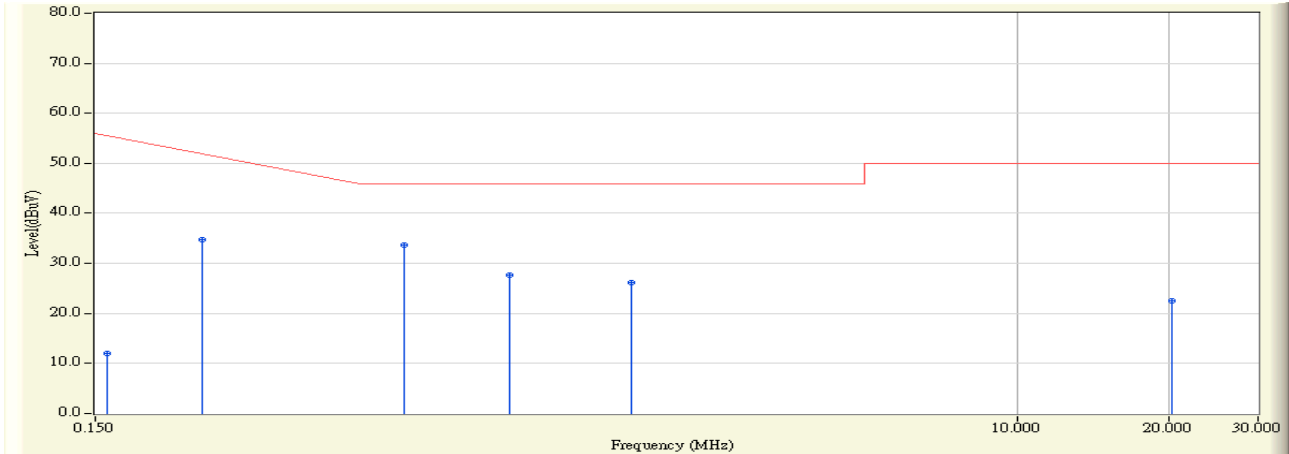


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1	0.158	0.200	39.460	39.660	-26.111	65.771	QUASPEAK
2	0.244	0.200	38.800	39.000	-24.314	63.314	QUASPEAK
3	* 0.611	0.210	41.040	41.250	-14.750	56.000	QUASPEAK
4	0.994	0.210	38.320	38.530	-17.470	56.000	QUASPEAK
5	1.720	0.290	36.400	36.690	-19.310	56.000	QUASPEAK
6	20.215	1.170	24.840	26.010	-33.990	60.000	QUASPEAK

Note:

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

Site : ShieldingRoom2	Time : 2007/09/03 - 10:52
Limit : CISPR_B_00M_AV	Margin : 0
EUT : Wi-Fi ATA	Probe : QTK-LISN-SR2 - Line1
Power : AC 120V/60Hz	Note : TX-B

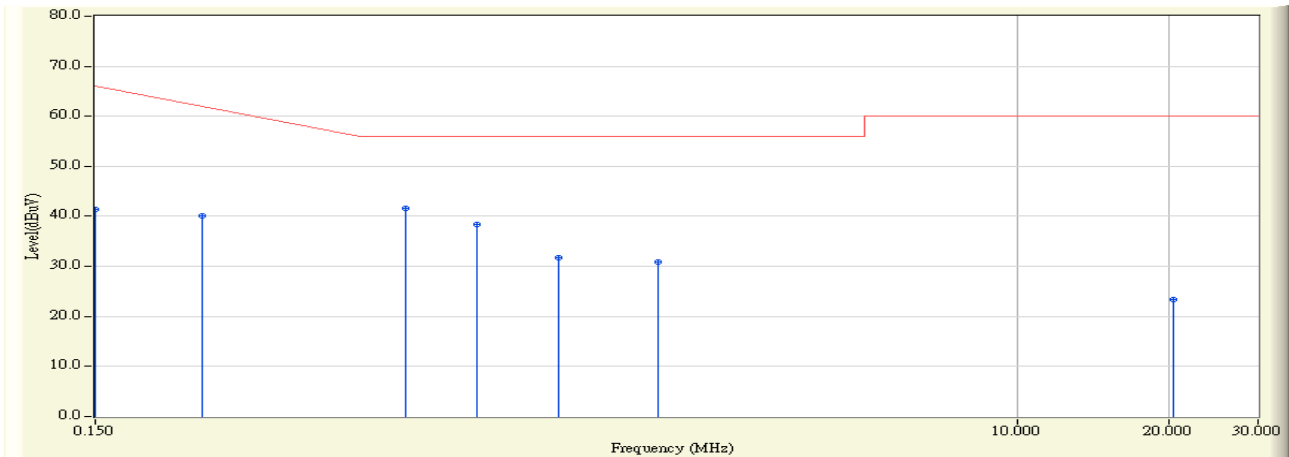


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1	0.158	0.200	11.710	11.910	-43.861	55.771	AVERAGE
2	0.244	0.200	34.450	34.650	-18.664	53.314	AVERAGE
3	* 0.611	0.210	33.410	33.620	-12.380	46.000	AVERAGE
4	0.994	0.210	27.540	27.750	-18.250	46.000	AVERAGE
5	1.720	0.290	25.880	26.170	-19.830	46.000	AVERAGE
6	20.215	1.170	21.420	22.590	-27.410	50.000	AVERAGE

Note:

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

Site : ShieldingRoom2	Time : 2007/09/03 - 10:56
Limit : CISPR_B_00M_QP	Margin : 0
EUT : Wi-Fi ATA	Probe : QTK-LISN-SR2 - Line2
Power : AC 120V/60Hz	Note : TX-B

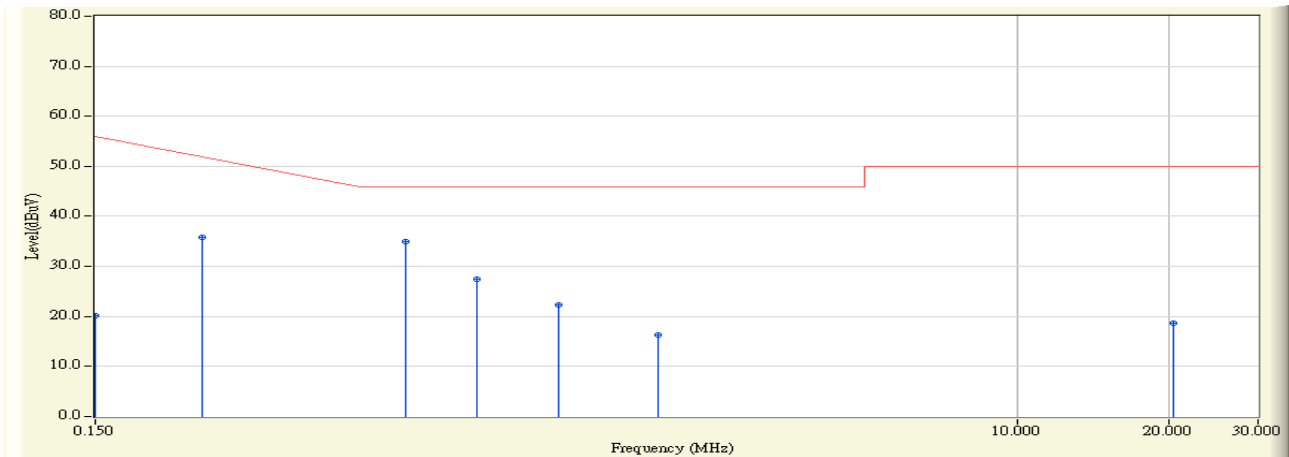


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1	0.150	0.200	41.120	41.320	-24.680	66.000	QUASPEAK
2	0.244	0.200	39.820	40.020	-23.294	63.314	QUASPEAK
3	* 0.619	0.210	41.340	41.550	-14.450	56.000	QUASPEAK
4	0.853	0.210	38.220	38.430	-17.570	56.000	QUASPEAK
5	1.236	0.210	31.500	31.710	-24.290	56.000	QUASPEAK
6	1.955	0.220	30.600	30.820	-25.180	56.000	QUASPEAK
7	20.380	0.890	22.420	23.310	-36.690	60.000	QUASPEAK

Note:

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

Site : ShieldingRoom2	Time : 2007/09/03 - 10:56
Limit : CISPR_B_00M_AV	Margin : 0
EUT : Wi-Fi ATA	Probe : QTK-LISN-SR2 - Line2
Power : AC 120V/60Hz	Note : TX-B

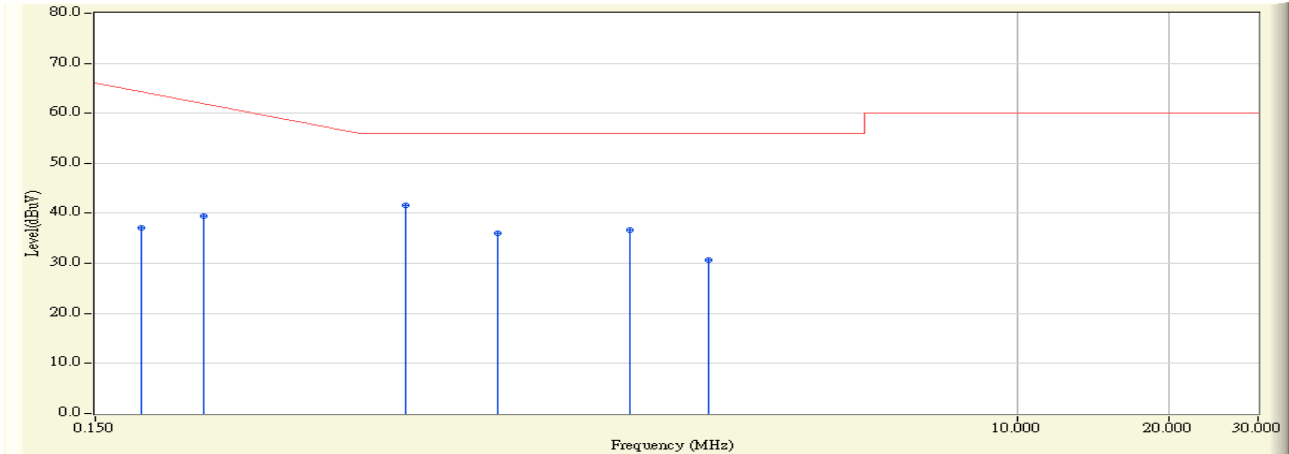


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1	0.150	0.200	19.910	20.110	-35.890	56.000	AVERAGE
2	0.244	0.200	35.640	35.840	-17.474	53.314	AVERAGE
3	* 0.619	0.210	34.700	34.910	-11.090	46.000	AVERAGE
4	0.853	0.210	27.150	27.360	-18.640	46.000	AVERAGE
5	1.236	0.210	22.020	22.230	-23.770	46.000	AVERAGE
6	1.955	0.220	16.130	16.350	-29.650	46.000	AVERAGE
7	20.380	0.890	17.800	18.690	-31.310	50.000	AVERAGE

Note:

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

Site : ShieldingRoom2	Time : 2007/09/03 - 11:09
Limit : CISPR_B_00M_QP	Margin : 0
EUT : Wi-Fi ATA	Probe : QTK-LISN-SR2 - Line1
Power : AC 120V/60Hz	Note : TX-G

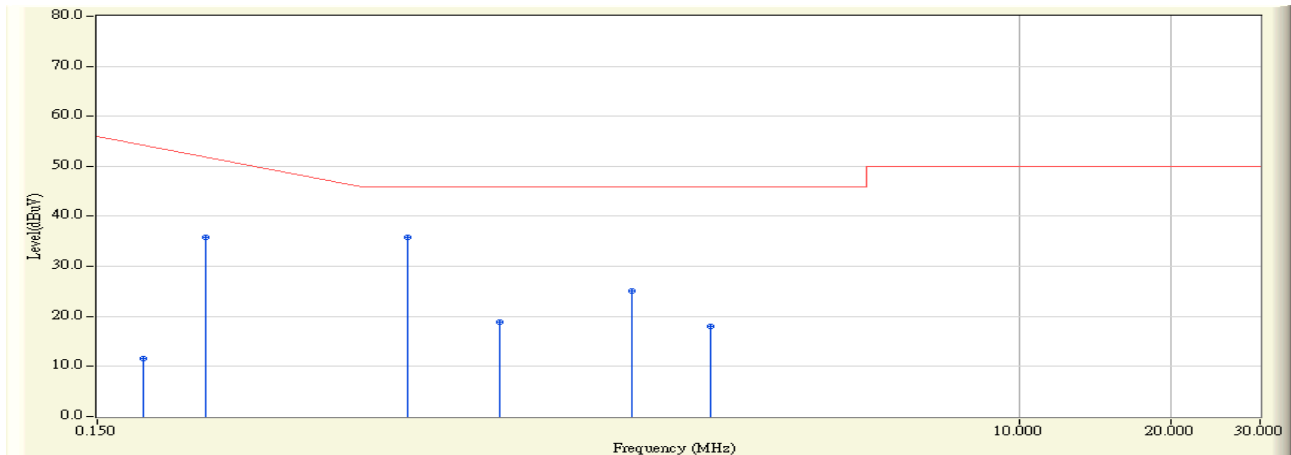


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1	0.185	0.200	36.980	37.180	-27.820	65.000	QUASIPeAK
2	0.246	0.200	39.180	39.380	-23.877	63.257	QUASIPeAK
3	* 0.615	0.210	41.360	41.570	-14.430	56.000	QUASIPeAK
4	0.939	0.210	35.720	35.930	-20.070	56.000	QUASIPeAK
5	1.713	0.290	36.480	36.770	-19.230	56.000	QUASIPeAK
6	2.455	0.330	30.240	30.570	-25.430	56.000	QUASIPeAK

Note:

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

Site : ShieldingRoom2	Time : 2007/09/03 - 11:09
Limit : CISPR_B_00M_AV	Margin : 0
EUT : Wi-Fi ATA	Probe : QTK-LISN-SR2 - Line1
Power : AC 120V/60Hz	Note : TX-G

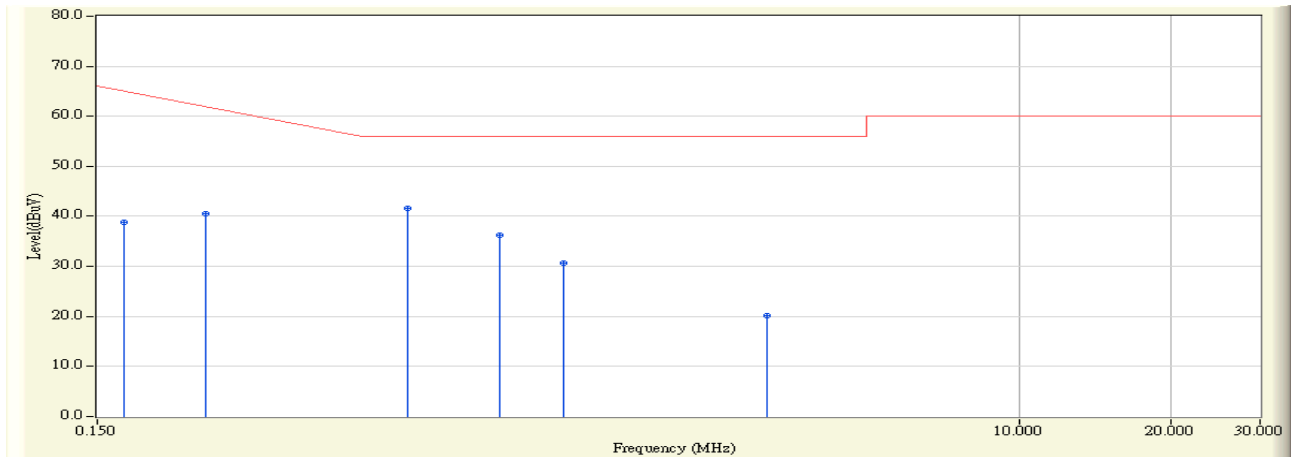


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1	0.185	0.200	11.340	11.540	-43.460	55.000	AVERAGE
2	0.246	0.200	35.720	35.920	-17.337	53.257	AVERAGE
3	* 0.615	0.210	35.570	35.780	-10.220	46.000	AVERAGE
4	0.939	0.210	18.630	18.840	-27.160	46.000	AVERAGE
5	1.713	0.290	24.720	25.010	-20.990	46.000	AVERAGE
6	2.455	0.330	17.730	18.060	-27.940	46.000	AVERAGE

Note:

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

Site : ShieldingRoom2	Time : 2007/09/03 - 11:12
Limit : CISPR_B_00M_QP	Margin : 0
EUT : Wi-Fi ATA	Probe : QTK-LISN-SR2 - Line2
Power : AC 120V/60Hz	Note : TX-G

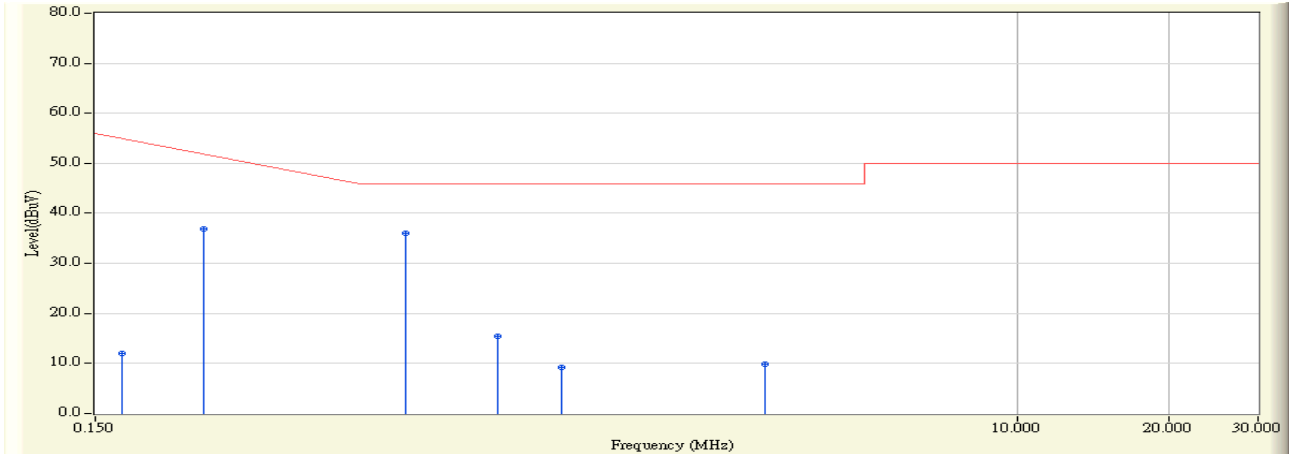


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1	0.170	0.200	38.700	38.900	-26.529	65.429	QUASPEAK
2	0.245	0.200	40.380	40.580	-22.706	63.286	QUASPEAK
3	* 0.615	0.210	41.380	41.590	-14.410	56.000	QUASPEAK
4	0.939	0.210	35.960	36.170	-19.830	56.000	QUASPEAK
5	1.259	0.210	30.360	30.570	-25.430	56.000	QUASPEAK
6	3.181	0.300	19.820	20.120	-35.880	56.000	QUASPEAK

Note:

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

Site : ShieldingRoom2	Time : 2007/09/03 - 11:12
Limit : CISPR_B_00M_AV	Margin : 0
EUT : Wi-Fi ATA	Probe : QTK-LISN-SR2 - Line2
Power : AC 120V/60Hz	Note : TX-G



	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1	0.170	0.200	11.710	11.910	-43.519	55.429	AVERAGE
2	0.245	0.200	36.690	36.890	-16.396	53.286	AVERAGE
3	* 0.615	0.210	35.720	35.930	-10.070	46.000	AVERAGE
4	0.939	0.210	15.210	15.420	-30.580	46.000	AVERAGE
5	1.259	0.210	9.090	9.300	-36.700	46.000	AVERAGE
6	3.181	0.300	9.620	9.920	-36.080	46.000	AVERAGE

Note:

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

3. Peak Power Output

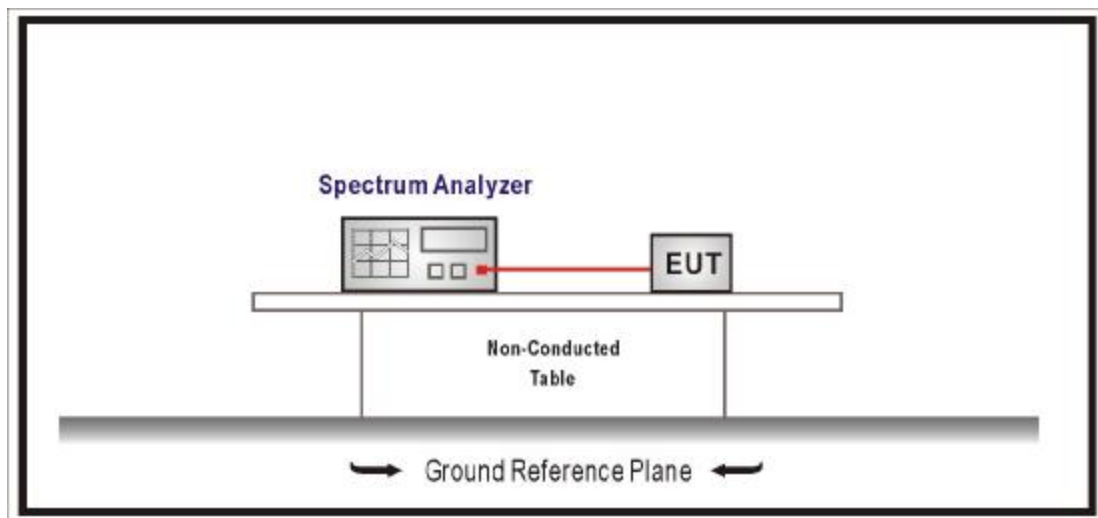
3.1. Test Equipment

The following test equipment are used during the test:

Item	Equipment	Manufacturer	Model No. / Serial No.	Last Cal.
1	Spectrum Analyzer	R&S	FSP/ 100005	Oct., 2006
2	No.1 OATS			Sep., 2007

Note: All equipment upon which need to calibrated are with calibration period of 1 year.

3.2. Test Setup



3.3. Limits

For frequency hopping systems operating in the 902-928 MHz band: 1 Watt for systems employing at least 50 hopping channels; and, 0.25 Watts for systems employing less than 50 hopping channels.

For frequency hopping systems in the 2400-2483.5 MHz band employing at least 75 hopping channels, and all frequency hopping systems in the 5725-5850 MHz band: 1Watt. For all other frequency hopping systems in the 2400-2483.5 MHz band: 0.125 Watt.

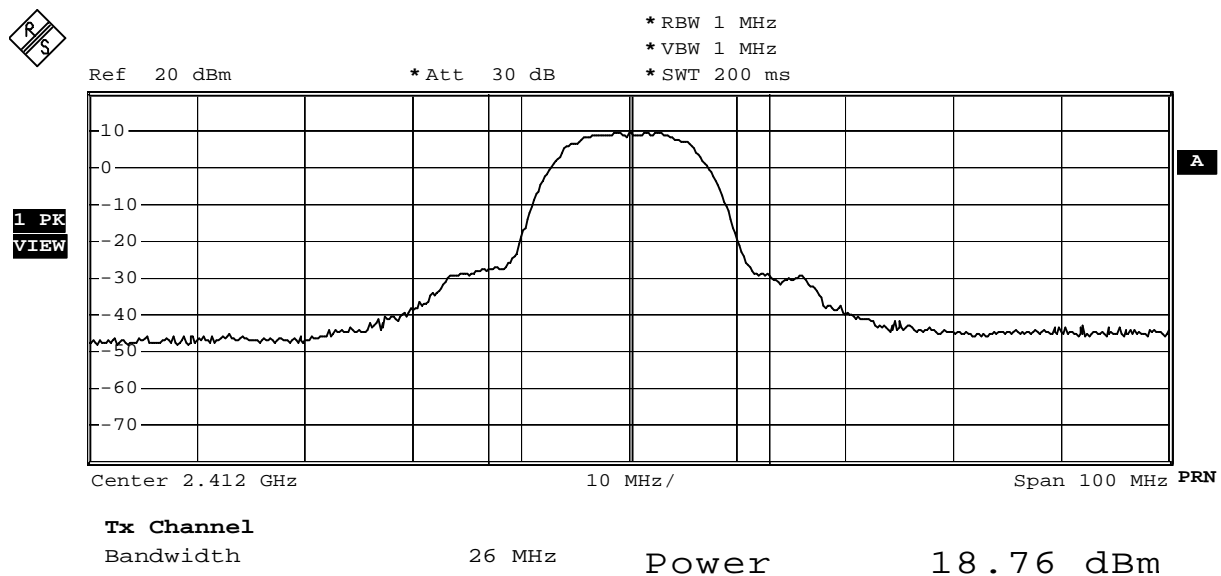
3.4. Test Specification

According to FCC Part 15 Subpart C Paragraph 15.247: 2006

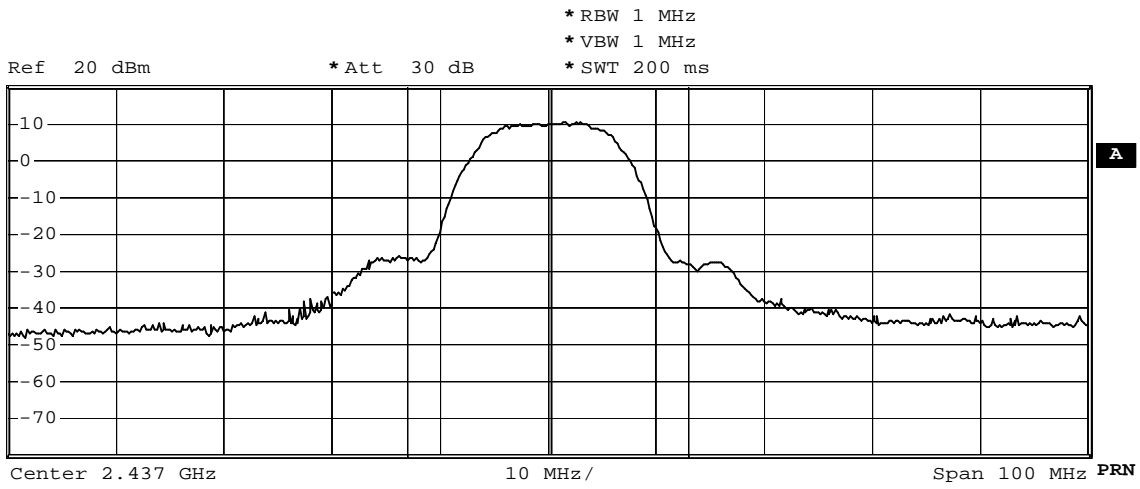
3.5. Test Result

Product	Wi-Fi ATA		
Test Item	Peak Power Output		
Test Mode	Mode 1: Transmit		
Date of Test	2007/09/10	Test Site	No.1 OATS

IEEE 802.11b				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
1	2412	18.76	1Watt = 30 dBm	Pass
6	2437	19.62	1Watt= 30 dBm	Pass
11	2462	20.93	1Watt= 30 dBm	Pass

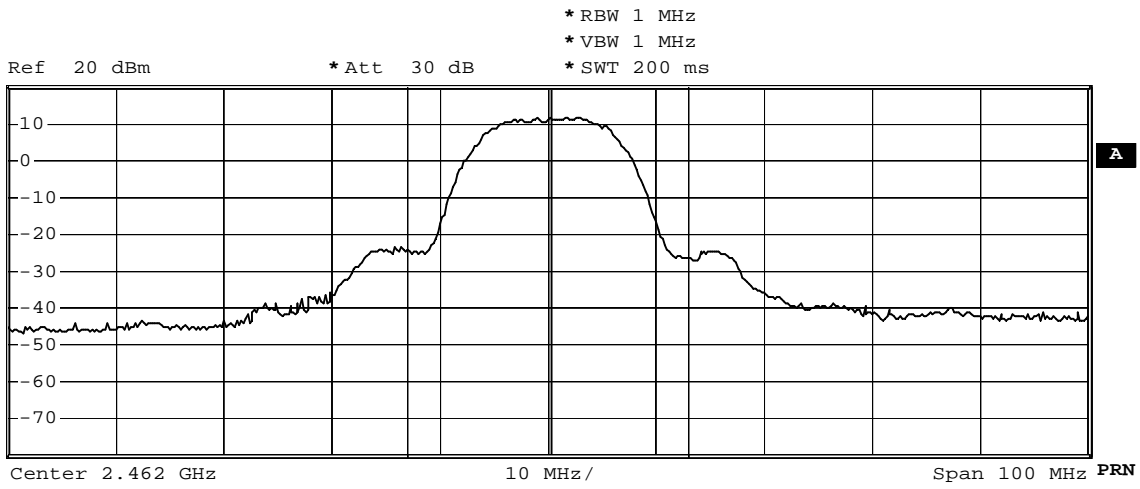


Date: 10.SEP.2007 12:26:18



Tx Channel
Bandwidth 26 MHz Power 19.62 dBm

Date: 10.SEP.2007 12:27:07

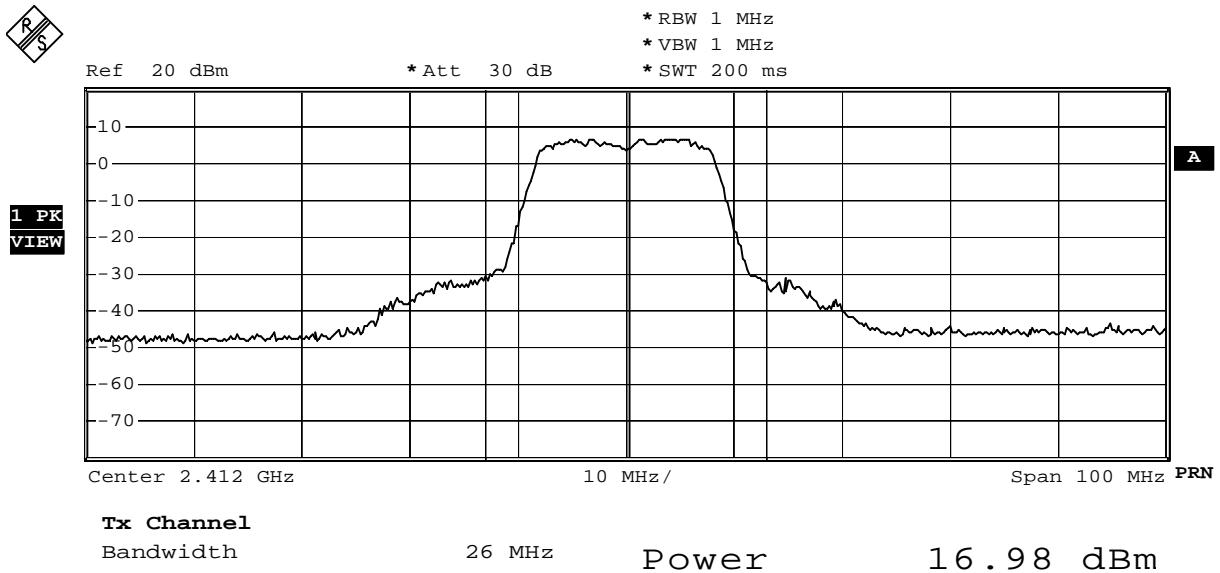


Tx Channel
Bandwidth 26 MHz Power 20.93 dBm

Date: 10.SEP.2007 12:28:05

Product	Wi-Fi ATA		
Test Item	Peak Power Output		
Test Mode	Mode 1: Transmit		
Date of Test	2007/09/10	Test Site	No.1 OATS

IEEE 802.11g				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
1	2412	16.98	1Watt = 30 dBm	Pass
6	2437	17.78	1Watt= 30 dBm	Pass
11	2462	19.15	1Watt= 30 dBm	Pass



Date: 10.SEP.2007 12:23:53

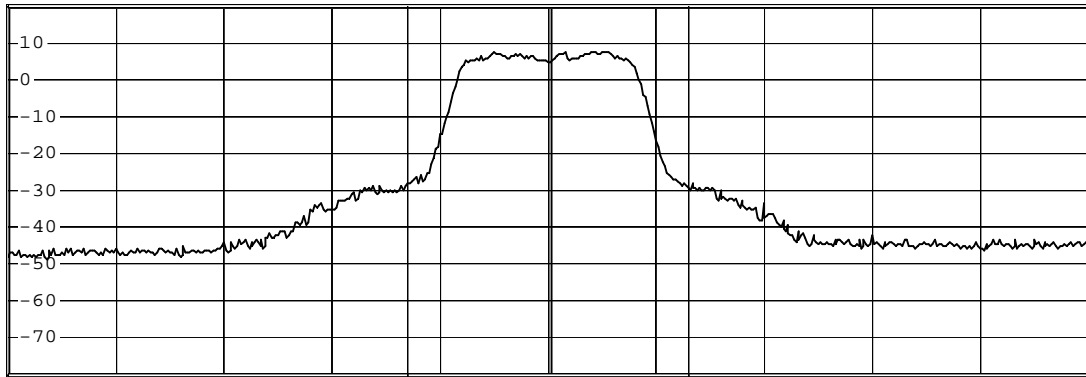


*RBW 1 MHz
*VBW 1 MHz
*SWT 200 ms

Ref 20 dBm

*Att 30 dB

1 PK
VIEW



Center 2.437 GHz 10 MHz/ Span 100 MHz PRN

Tx Channel

Bandwidth

26 MHz

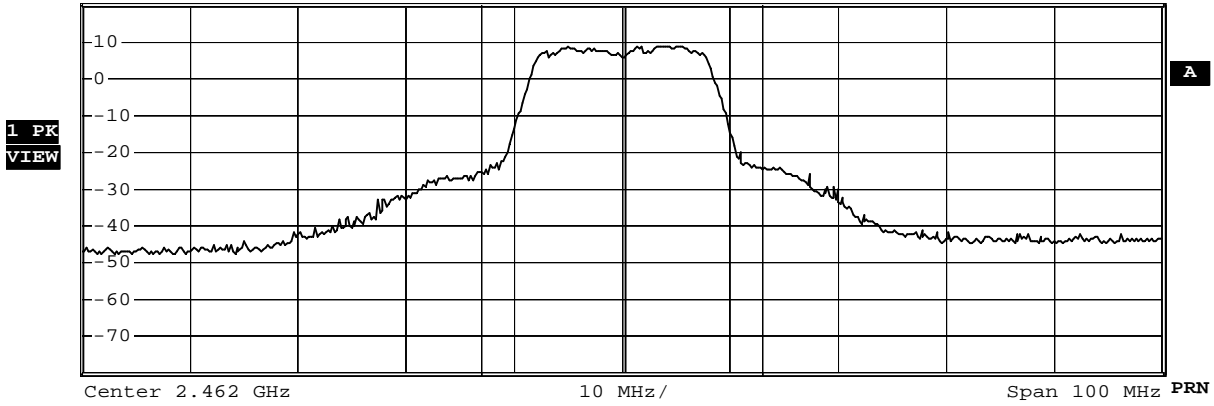
Power

17.78 dBm

Date: 10.SEP.2007 12:22:44



Ref 20 dBm *Att 30 dB *RBW 1 MHz
*VBW 1 MHz
*SWT 200 ms



Tx Channel
Bandwidth 26 MHz Power 19.15 dBm

Date: 10.SEP.2007 12:21:10

4. Radiated Emission

4.1. Test Equipment

The following test equipment are used during the test:

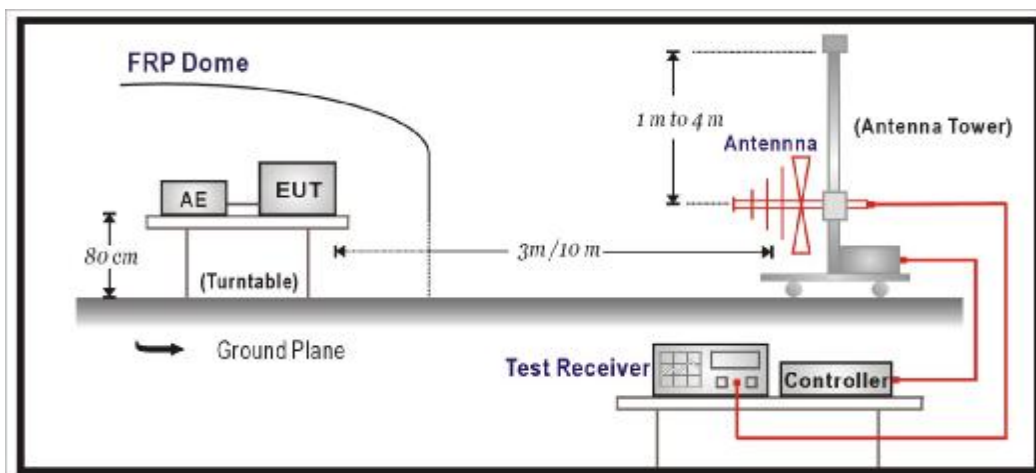
Radiated Emission / Site1

Instrument	Manufacturer	Type No.	Serial No	Cal. Date
Bilog Antenna	Schaffner Chase	CBL6112B	2895	2006/09/03
Horn Antenna	Electro Metrics	EM-6961	103325	2007/03/15
Pre-Amplifier	HP	8449B	3008A01123	2006/11/15
Pre-Amplifier	Quietek	AP-025C	N/A	N/A
Spectrum Analyzer	R & S	FSP40	100005	2007/08/25
Spectrum Analyzer	Advantest	R3162	120300649	2006/11/24
Test Receiver	R & S	ESCS 30	825442/017	2007/02/13

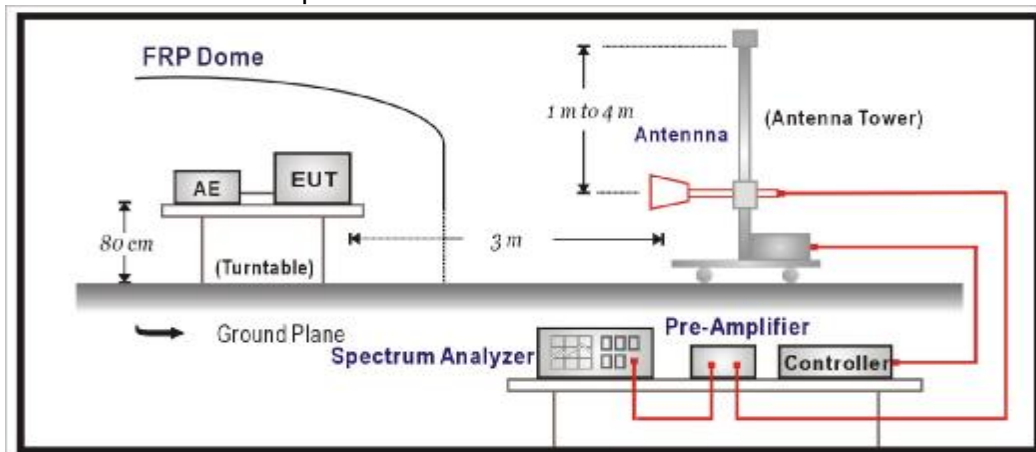
- Note: 1. All equipments that need to calibrate are with calibration period of 1 year.
- 2. Mark "X" test instruments are used to measure the final test results.

4.2. Test Setup

Under 1GHz Test Setup:



Above 1GHz Test Setup:



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 Limits		
Frequency MHz	uV/m	dBuV/m
30-88	100	40
88-216	150	43.5
216-960	200	46
Above 960	500	54

- Remarks :
1. RF Voltage (dBuV) = 20 log RF Voltage (uV)
 2. In the Above Table, the tighter limit applies at the band edges.
 3. Distance refers to the distance in meters between the measuring instrument antenna and the closed point of any part of the device or system.

4.4. Test Procedure

The EUT and its simulators are placed on a turn table which is 0.8 meter above ground. The turn table can rotate 360 degrees to determine the position of the maximum emission level. The antenna can move up and down between 1 meter and 4 meters to find out the maximum emission level.

Both horizontal and vertical polarization of the antenna are set on measurement. In order to find the maximum emission, all of the interface cables must be manipulated according to ANSI C63.4:2003 on radiated measurement.

On any frequency or frequencies below or equal to 1000 MHz, the limits shown are based on measuring equipment employing a quasi-peak detector function and on any frequency or frequencies above 1000 MHz the radiated limits shown are based upon the use of measurement instrumentation employing an average detector function. When average radiated emission measurement are included emission measurement below 1000 MHz, there also is a limit on the radio frequency emissions, as measured using instrumentation with a peak detector function, corresponding to 20 dB above the maximum permitted average limit. The bandwidth below 1GHz setting on the field strength meter is 120 kHz and above 1GHz is 1MHz.

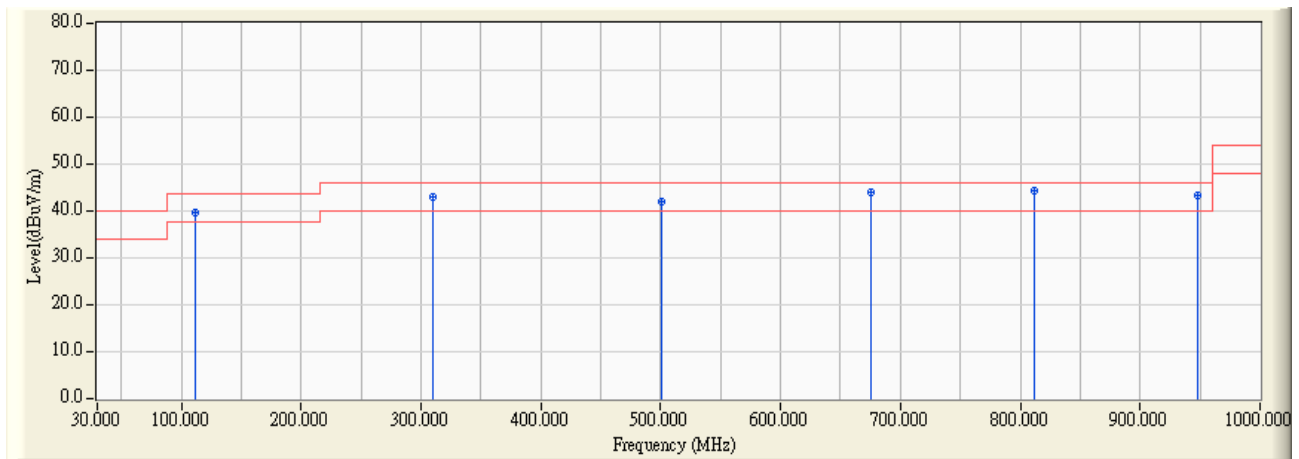
4.5. Test Specification

According to FCC Part 15 Subpart C Paragraph 15.247: 2006

4.6. Test Result

30MHz-1GHz Spurious:

Site : Site 1	Time : 2007/09/13 - 13:28
Limit : FCC_CLASS_B_03M_QP	Margin : 6
EUT : Wi-Fi ATA	Probe : FCC_RF_30-1G(200605) - HORIZONTAL
Power : AC 120V/60Hz	Note : TX-B

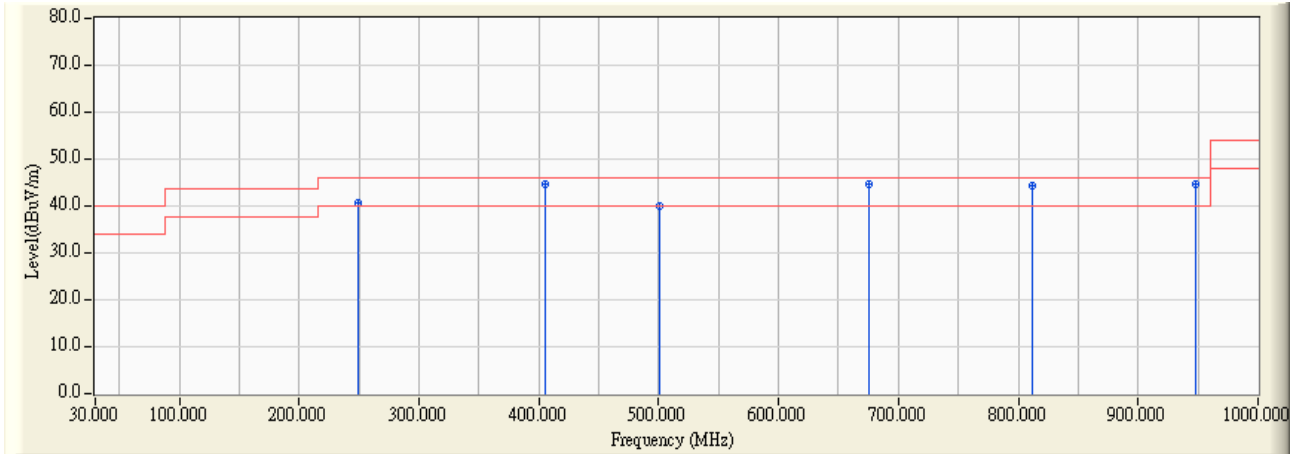


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	111.643	-10.067	49.622	39.555	-3.945	43.500	QUASIPeAK
2	309.920	-5.471	48.611	43.140	-2.860	46.000	QUASIPeAK
3	500.421	-1.989	44.021	42.032	-3.968	46.000	QUASIPeAK
4	675.371	1.143	42.756	43.900	-2.100	46.000	QUASIPeAK
5	* 811.443	2.810	41.392	44.201	-1.799	46.000	QUASIPeAK
6	947.515	3.570	39.637	43.207	-2.793	46.000	QUASIPeAK

Note:

1. All Reading Levels are Quasi-Peak value.
2. “ * ”, means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor.

Site : Site 1	Time : 2007/09/13 - 13:31
Limit : FCC_CLASS_B_03M_QP	Margin : 6
EUT : Wi-Fi ATA	Probe : FCC_RF_30-1G(200605) - VERTICAL
Power : AC 120V/60Hz	Note : TX-B

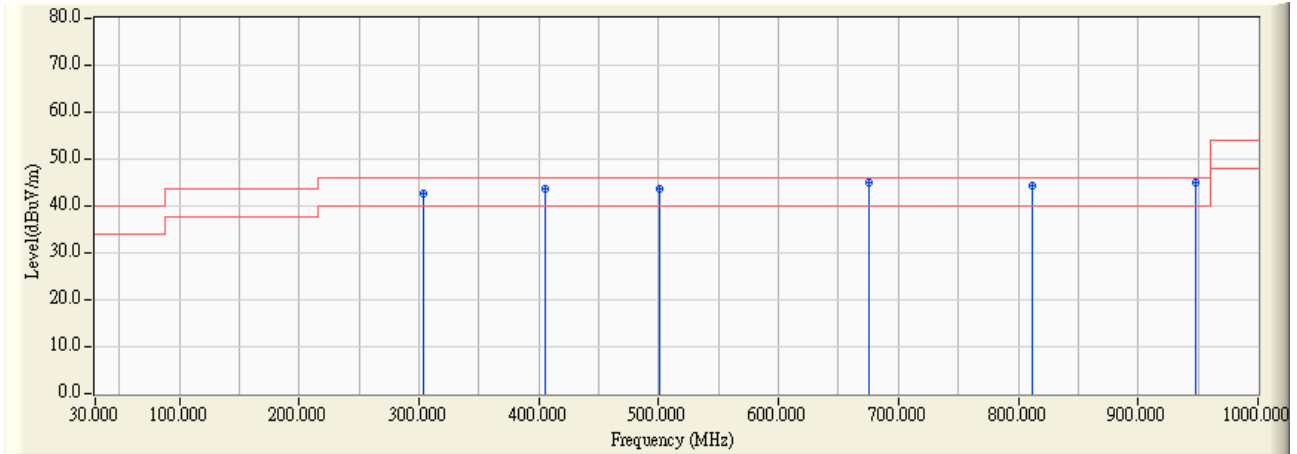


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	249.659	-7.861	48.646	40.786	-5.214	46.000	QUASIPeAK
2	405.170	-0.375	44.943	44.568	-1.432	46.000	QUASIPeAK
3	500.421	-3.103	43.023	39.920	-6.080	46.000	QUASIPeAK
4	* 675.371	-0.205	44.962	44.758	-1.242	46.000	QUASIPeAK
5	811.443	3.805	40.395	44.199	-1.801	46.000	QUASIPeAK
6	947.515	8.181	36.451	44.632	-1.368	46.000	QUASIPeAK

Note:

1. All Reading Levels are Quasi-Peak value.
2. “ * ”, means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor.

Site : Site 1	Time : 2007/09/13 - 13:32
Limit : FCC_CLASS_B_03M_QP	Margin : 6
EUT : Wi-Fi ATA	Probe : FCC_RF_30-1G(200605) - HORIZONTAL
Power : AC 120V/60Hz	Note : TX-G

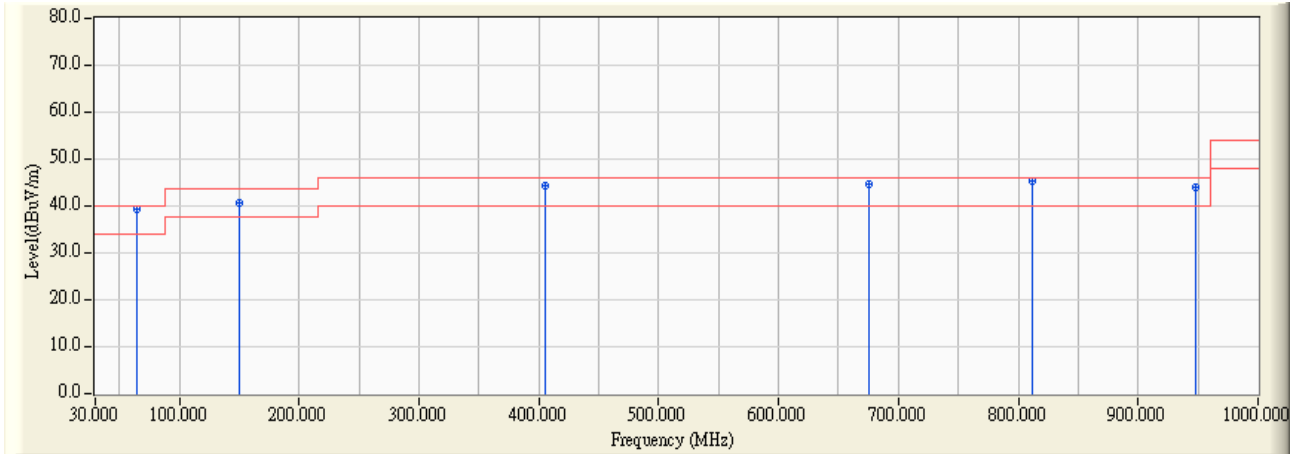


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	304.088	-4.788	47.496	42.709	-3.291	46.000	QUASPEAK
2	405.170	-3.151	46.885	43.734	-2.266	46.000	QUASPEAK
3	500.421	-1.989	45.593	43.604	-2.396	46.000	QUASPEAK
4	* 675.371	1.143	43.904	45.048	-0.952	46.000	QUASPEAK
5	811.443	2.810	41.483	44.292	-1.708	46.000	QUASPEAK
6	947.515	3.570	41.421	44.991	-1.009	46.000	QUASPEAK

Note:

1. All Reading Levels are Quasi-Peak value.
2. “ * ”, means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor.

Site : Site 1	Time : 2007/09/13 - 13:37
Limit : FCC_CLASS_B_03M_QP	Margin : 6
EUT : Wi-Fi ATA	Probe : FCC_RF_30-1G(200605) - VERTICAL
Power : AC 120V/60Hz	Note : TX-G



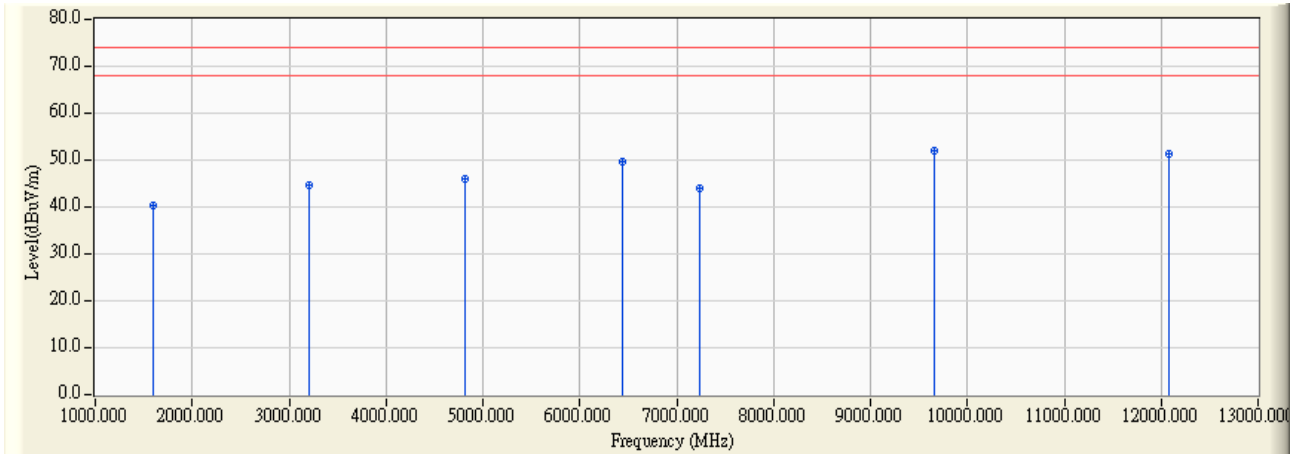
	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	64.990	-7.347	46.538	39.192	-0.808	40.000	QUASPEAK
2	150.521	-4.262	44.897	40.635	-2.865	43.500	QUASPEAK
3	405.170	-0.375	44.787	44.412	-1.588	46.000	QUASPEAK
4	675.371	-0.205	44.855	44.651	-1.349	46.000	QUASPEAK
5	* 811.443	3.805	41.667	45.471	-0.529	46.000	QUASPEAK
6	947.515	8.181	35.763	43.944	-2.056	46.000	QUASPEAK

Note:

1. All Reading Levels are Quasi-Peak value.
2. “ * ”, means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor.

Harmonic & Spurious:

Site : Site 1	Time : 2007/09/13 - 11:47
Limit : FCC_SpartC_15.247_H_03M_PK	Margin : 6
EUT : Wi-Fi ATA	Probe : FCC_RF_1G-18G(2005-3) - HORIZONTAL
Power : AC 120V/60Hz	Note : TX-B-CH1

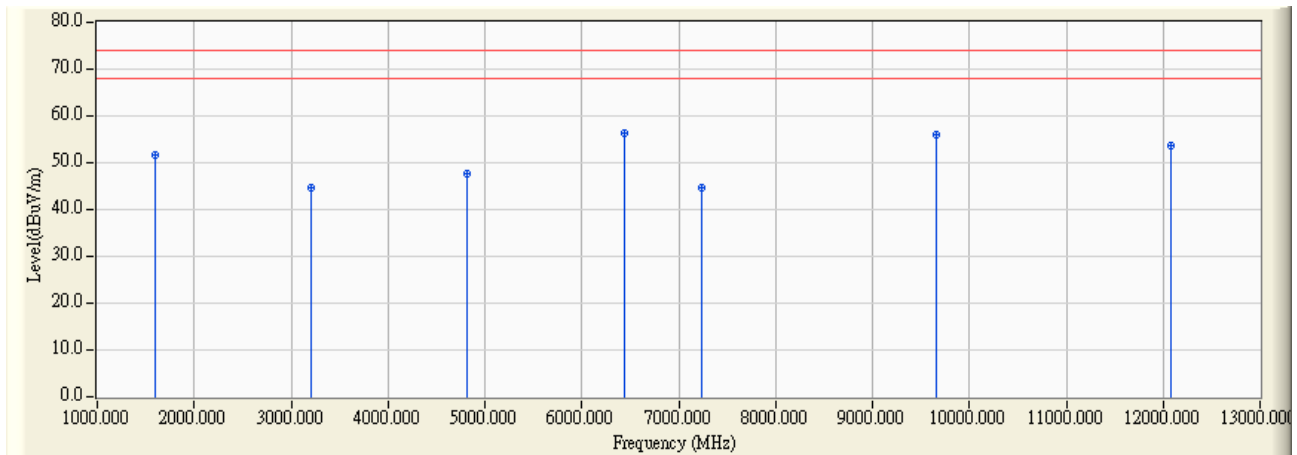


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)	Detector Type
1	1601.200	-7.877	48.220	40.343	-33.657	74.000	54.000	PEAK
2	3212.420	-0.474	45.070	44.597	-29.403	74.000	54.000	PEAK
3	4823.640	3.730	42.320	46.050	-27.950	74.000	54.000	PEAK
4	6434.860	5.589	44.200	49.789	-24.211	74.000	54.000	PEAK
5	7236.050	8.727	35.120	43.847	-30.153	74.000	54.000	PEAK
6	* 9657.310	12.728	39.310	52.038	-21.962	74.000	54.000	PEAK
7	12086.170	17.204	34.010	51.214	-22.786	74.000	54.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above are performed with peak and/or average measurements as necessary.
2. “ * ”, means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor.
4. The average measurement was not performed when the peak measured data under the limit of average detection. If the readings given are average, peak measurement should also be supplied.

Site : Site 1	Time : 2007/09/13 - 11:52
Limit : FCC_SpartC_15.247_H_03M_PK	Margin : 6
EUT : Wi-Fi ATA	Probe : FCC_RF_1G-18G(2005-3) - VERTICAL
Power : AC 120V/60Hz	Note : TX-B-CH1

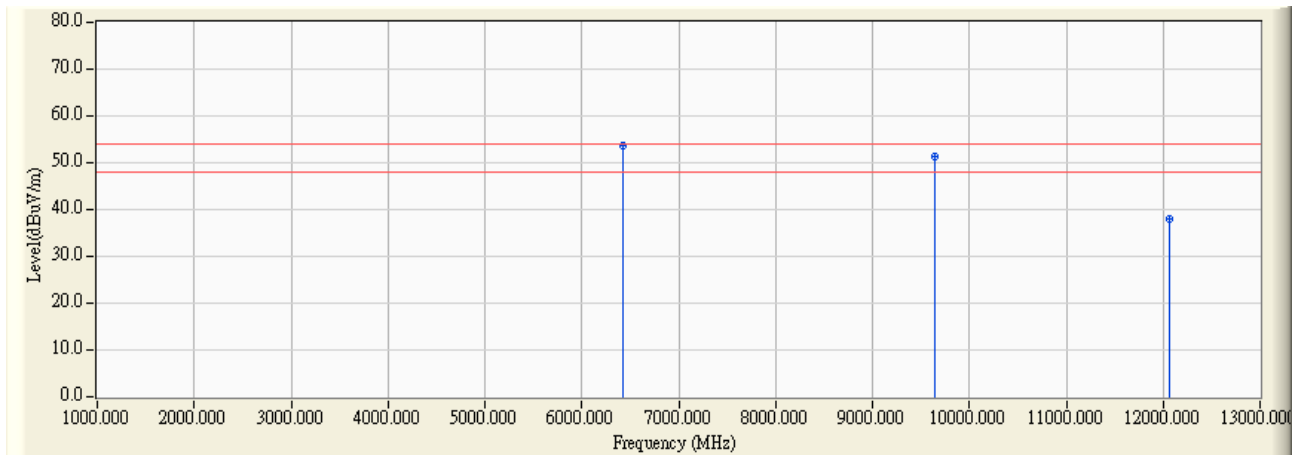


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)	Detector Type
1	1601.200	-7.077	58.850	51.773	-22.227	74.000	54.000	PEAK
2	3212.420	-0.474	45.070	44.597	-29.403	74.000	54.000	PEAK
3	4823.640	1.978	45.740	47.718	-26.282	74.000	54.000	PEAK
4	* 6434.860	6.089	50.190	56.279	-17.721	74.000	54.000	PEAK
5	7236.010	8.726	36.050	44.776	-29.224	74.000	54.000	PEAK
6	9657.310	14.728	41.430	56.158	-17.842	74.000	54.000	PEAK
7	12086.170	17.571	36.160	53.731	-20.269	74.000	54.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above are performed with peak and/or average measurements as necessary.
2. “ * ”, means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor.
4. The average measurement was not performed when the peak measured data under the limit of average detection. If the readings given are average, peak measurement should also be supplied.

Site : Site 1	Time : 2007/09/13 - 11:55
Limit : FCC_SpartC_15.247_H_03M_AV	Margin : 6
EUT : Wi-Fi ATA	Probe : FCC_RF_1G-18G(2005-3) - VERTICAL
Power : AC 120V/60Hz	Note : TX-B-CH1

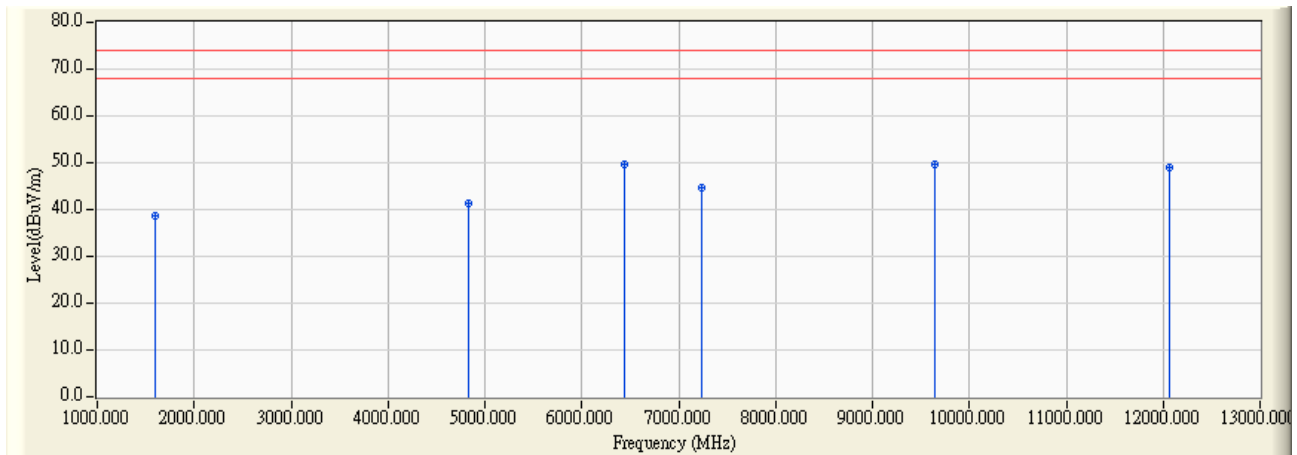


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)	Detector Type
1	*	6431.830	6.076	47.550	53.626	-0.374	74.000	54.000	AVERAGE
2		9647.980	14.707	36.470	51.177	-2.823	74.000	54.000	AVERAGE
3		12063.750	17.269	20.690	37.960	-16.040	74.000	54.000	AVERAGE

Note:

1. All Readings below 1GHz are Quasi-Peak, above are performed with peak and/or average measurements as necessary.
2. “ * ”, means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor.
4. The average measurement was not performed when the peak measured data under the limit of average detection. If the readings given are average, peak measurement should also be supplied.

Site : Site 1	Time : 2007/09/11 - 19:31
Limit : FCC_SpartC_15.247_H_03M_PK	Margin : 6
EUT : Wi-Fi ATA	Probe : FCC_RF_1G-18G(2005-3) - HORIZONTAL
Power : AC 120V/60Hz	Note : TX-G-CH1

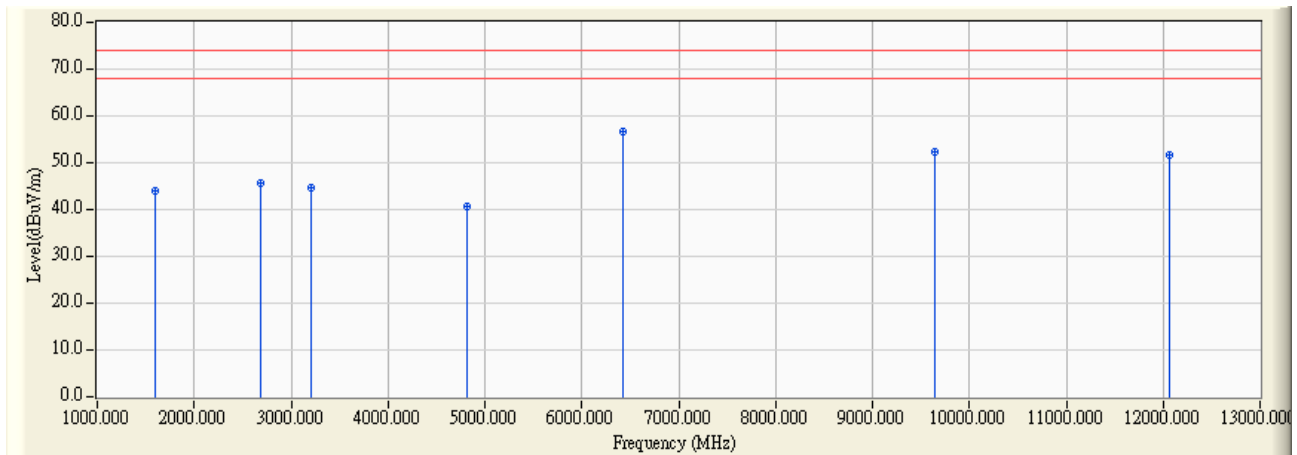


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)	Detector Type
1	1601.200	-7.877	46.690	38.813	-35.187	74.000	54.000	PEAK
2	4824.010	3.733	37.520	41.253	-32.747	74.000	54.000	PEAK
3	* 6434.860	5.589	44.200	49.789	-24.211	74.000	54.000	PEAK
4	7236.020	8.726	35.970	44.696	-29.304	74.000	54.000	PEAK
5	9648.100	12.708	36.960	49.667	-24.333	74.000	54.000	PEAK
6	12060.020	15.059	33.870	48.929	-25.071	74.000	54.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above are performed with peak and/or average measurements as necessary.
2. “ * ”, means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor.
4. The average measurement was not performed when the peak measured data under the limit of average detection. If the readings given are average, peak measurement should also be supplied.

Site : Site 1	Time : 2007/09/11 - 19:39
Limit : FCC_SpartC_15.247_H_03M_PK	Margin : 6
EUT : Wi-Fi ATA	Probe : FCC_RF_1G-18G(2005-3) - VERTICAL
Power : AC 120V/60Hz	Note : TX-G-CH1

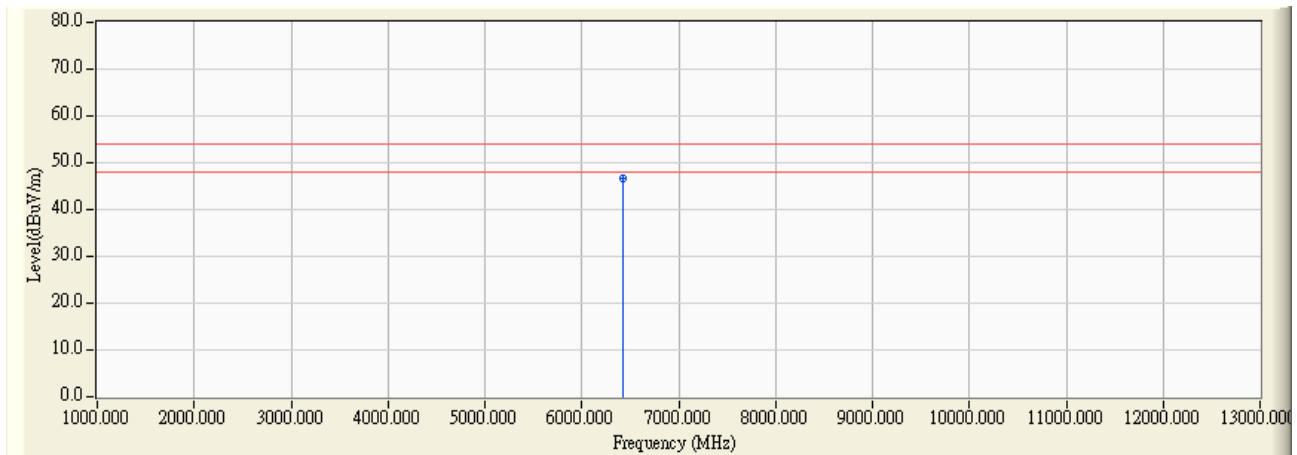


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)	Detector Type
1	1601.200	-7.077	51.030	43.953	-30.047	74.000	54.000	PEAK
2	2683.360	-3.210	49.030	45.820	-28.180	74.000	54.000	PEAK
3	3212.420	-0.474	45.140	44.667	-29.333	74.000	54.000	PEAK
4	4823.640	1.978	38.630	40.608	-33.392	74.000	54.000	PEAK
5	* 6431.950	5.577	51.250	56.827	-17.173	74.000	54.000	PEAK
6	9647.010	14.706	37.520	52.226	-21.774	74.000	54.000	PEAK
7	12060.200	17.226	34.280	51.506	-22.494	74.000	54.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above are performed with peak and/or average measurements as necessary.
2. “ * ”, means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor.
4. The average measurement was not performed when the peak measured data under the limit of average detection. If the readings given are average, peak measurement should also be supplied.

Site : Site 1	Time : 2007/09/11 - 19:43
Limit : FCC_SpartC_15.247_H_03M_AV	Margin : 6
EUT : Wi-Fi ATA	Probe : FCC_RF_1G-18G(2005-3) - VERTICAL
Power : AC 120V/60Hz	Note : TX-G-CH1

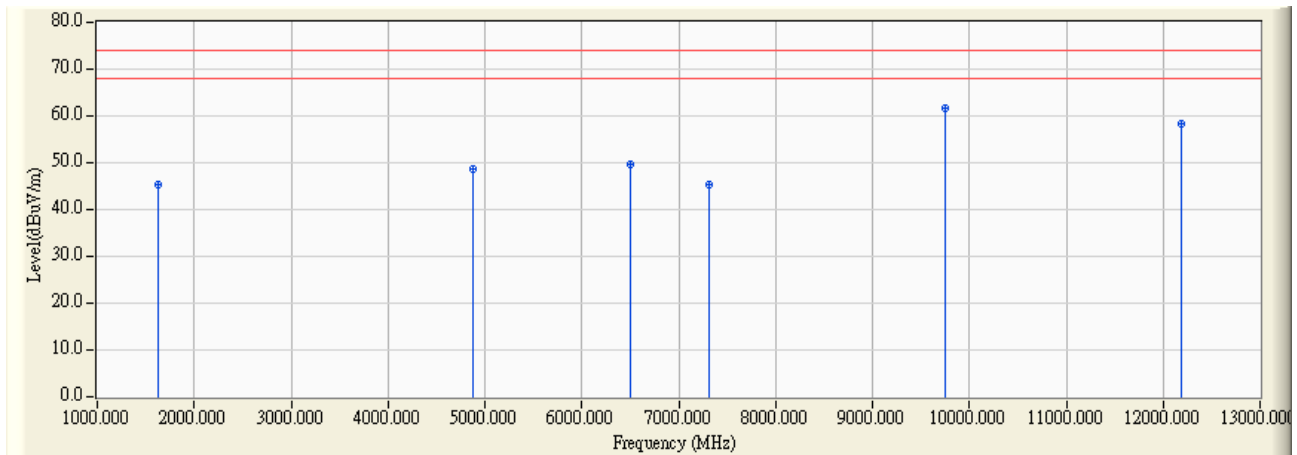


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)	Detector Type
1	*	6431.950	6.077	40.520	46.597	-7.403	74.000	54.000	AVERAGE

Note:

1. All Readings below 1GHz are Quasi-Peak, above are performed with peak and/or average measurements as necessary.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor.
4. The average measurement was not performed when the peak measured data under the limit of average detection. If the readings given are average, peak measurement should also be supplied.

Site : Site 1	Time : 2007/09/13 - 11:58
Limit : FCC_SpartC_15.247_H_03M_PK	Margin : 6
EUT : Wi-Fi ATA	Probe : FCC_RF_1G-18G(2005-3) - HORIZONTAL
Power : AC 120V/60Hz	Note : TX-B-CH6

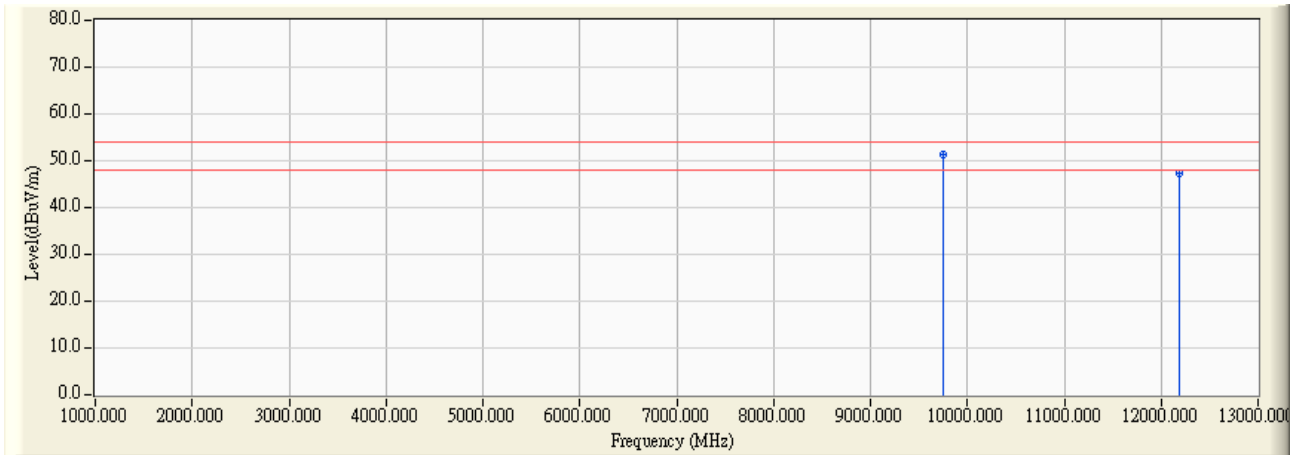


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)	Detector Type
1	1625.250	-7.742	53.040	45.298	-28.702	74.000	54.000	PEAK
2	4871.740	4.072	44.660	48.732	-25.268	74.000	54.000	PEAK
3	6507.010	5.905	43.900	49.805	-24.195	74.000	54.000	PEAK
4	7311.010	8.845	36.360	45.205	-28.795	74.000	54.000	PEAK
5	* 9747.870	13.132	48.610	61.742	-12.258	74.000	54.000	PEAK
6	12181.380	18.984	39.420	58.404	-15.596	74.000	54.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above are performed with peak and/or average measurements as necessary.
2. “ * ”, means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor.
4. The average measurement was not performed when the peak measured data under the limit of average detection. If the readings given are average, peak measurement should also be supplied.

Site : Site 1	Time : 2007/09/13 - 11:59
Limit : FCC_SpartC_15.247_H_03M_AV	Margin : 6
EUT : Wi-Fi ATA	Probe : FCC_RF_1G-18G(2005-3) - HORIZONTAL
Power : AC 120V/60Hz	Note : TX-B-CH6

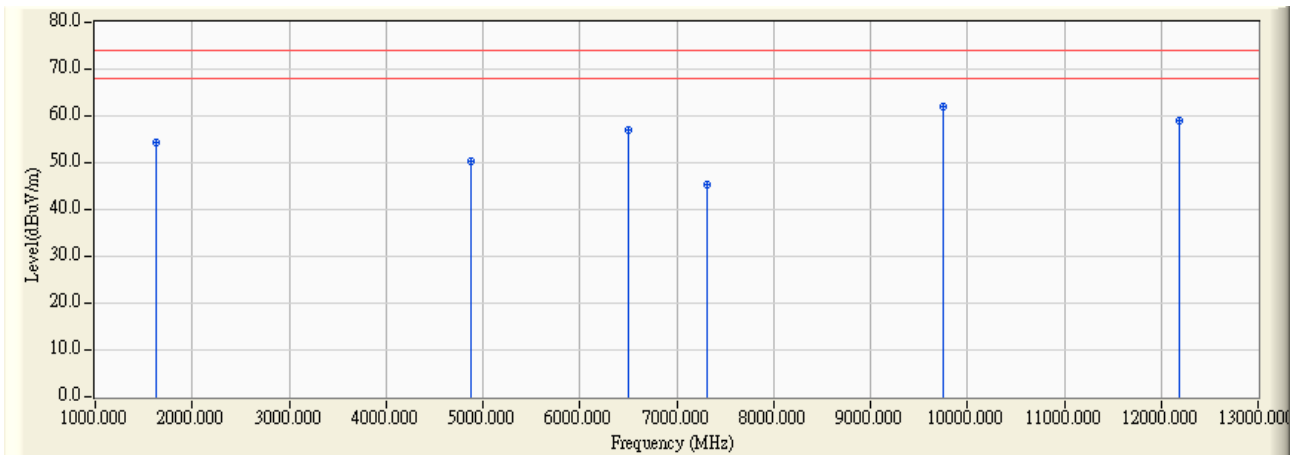


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)	Detector Type
1	*	9748.070	13.134	38.190	51.323	-2.677	74.000	54.000	AVERAGE
2		12181.950	18.986	28.430	47.416	-6.584	74.000	54.000	AVERAGE

Note:

1. All Readings below 1GHz are Quasi-Peak, above are performed with peak and/or average measurements as necessary.
2. “ * ”, means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor.
4. The average measurement was not performed when the peak measured data under the limit of average detection. If the readings given are average, peak measurement should also be supplied.

Site : Site 1	Time : 2007/09/13 - 12:02
Limit : FCC_SpartC_15.247_H_03M_PK	Margin : 6
EUT : Wi-Fi ATA	Probe : FCC_RF_1G-18G(2005-3) - VERTICAL
Power : AC 120V/60Hz	Note : TX-B-CH6

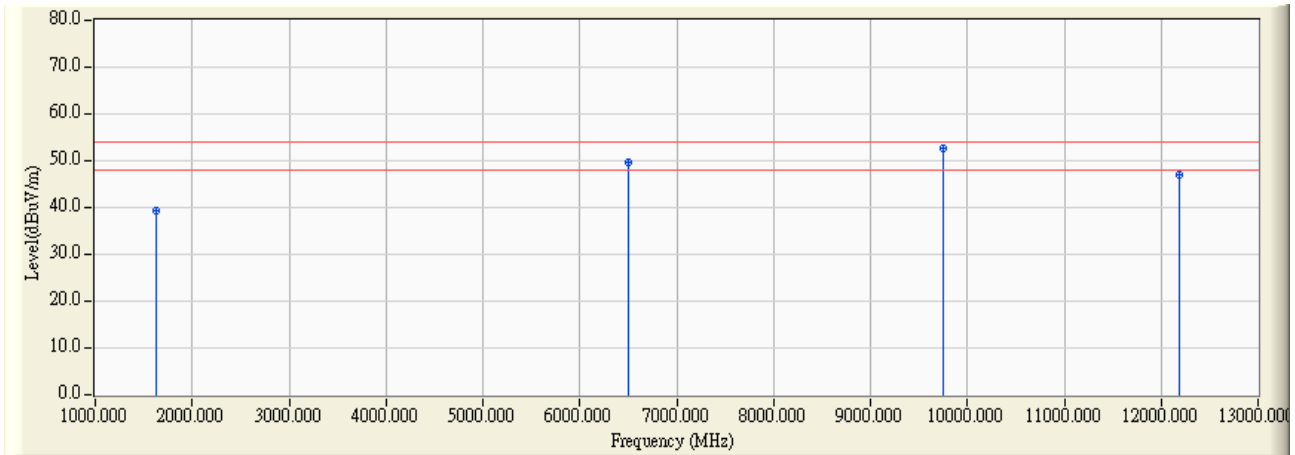


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)	Detector Type
1	1625.260	-6.942	61.250	54.308	-19.692	74.000	54.000	PEAK
2	4871.740	2.415	47.770	50.185	-23.815	74.000	54.000	PEAK
3	6498.660	6.366	50.590	56.956	-17.044	74.000	54.000	PEAK
4	7311.200	8.845	36.590	45.435	-28.565	74.000	54.000	PEAK
5	* 9747.980	15.133	47.030	62.163	-11.837	74.000	54.000	PEAK
6	12188.420	19.435	39.630	59.066	-14.934	74.000	54.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above are performed with peak and/or average measurements as necessary.
2. “ * ”, means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor.
4. The average measurement was not performed when the peak measured data under the limit of average detection. If the readings given are average, peak measurement should also be supplied.

Site : Site 1	Time : 2007/09/13 - 12:03
Limit : FCC_SpartC_15.247_H_03M_AV	Margin : 6
EUT : Wi-Fi ATA	Probe : FCC_RF_1G-18G(2005-3) - VERTICAL
Power : AC 120V/60Hz	Note : TX-B-CH6

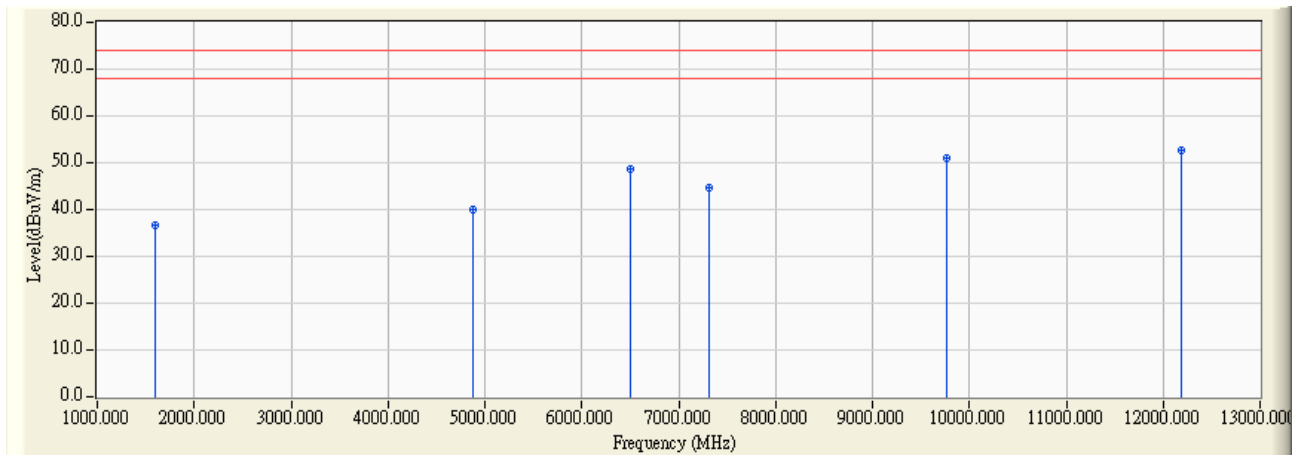


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)	Detector Type
1	1625.510	-6.940	46.420	39.479	-14.521	74.000	54.000	AVERAGE
2	6498.790	6.367	43.200	49.567	-4.433	74.000	54.000	AVERAGE
3	* 9747.950	15.133	37.510	52.643	-1.357	74.000	54.000	AVERAGE
4	12181.470	19.320	27.840	47.159	-6.841	74.000	54.000	AVERAGE

Note:

1. All Readings below 1GHz are Quasi-Peak, above are performed with peak and/or average measurements as necessary.
2. “ * ”, means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor.
4. The average measurement was not performed when the peak measured data under the limit of average detection. If the readings given are average, peak measurement should also be supplied.

Site : Site 1	Time : 2007/09/11 - 19:54
Limit : FCC_SpartC_15.247_H_03M_PK	Margin : 6
EUT : Wi-Fi ATA	Probe : FCC_RF_1G-18G(2005-3) - HORIZONTAL
Power : AC 120V/60Hz	Note : TX-G-CH6

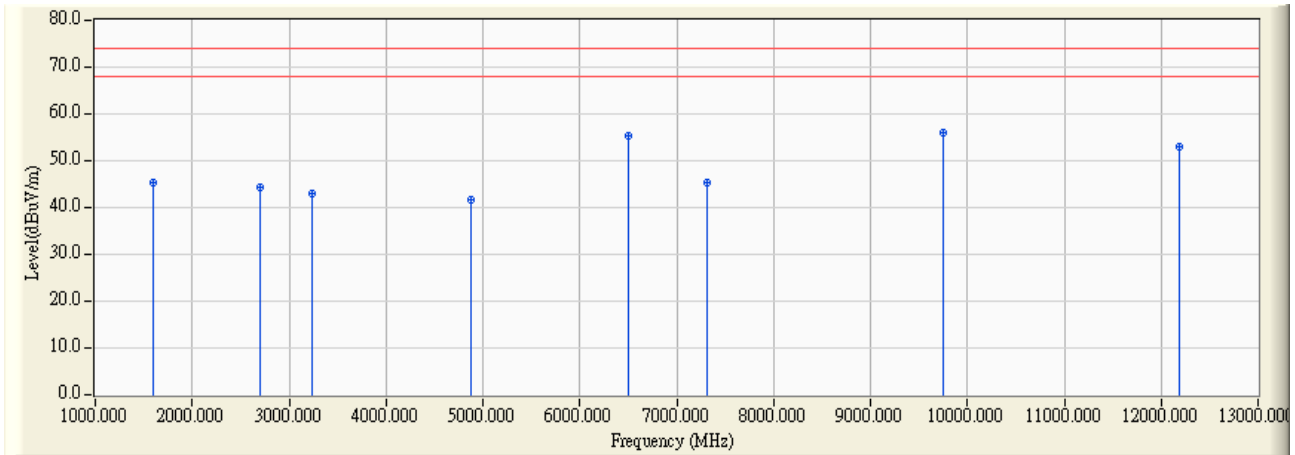


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)	Detector Type
1	1601.200	-7.877	44.640	36.763	-37.237	74.000	54.000	PEAK
2	4874.020	4.087	36.010	40.097	-33.903	74.000	54.000	PEAK
3	6507.010	5.905	42.890	48.795	-25.205	74.000	54.000	PEAK
4	7311.100	8.845	35.890	44.735	-29.265	74.000	54.000	PEAK
5	9763.900	13.217	37.810	51.027	-22.973	74.000	54.000	PEAK
6	* 12185.100	18.997	33.560	52.557	-21.443	74.000	54.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above are performed with peak and/or average measurements as necessary.
2. “ * ”, means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor.
4. The average measurement was not performed when the peak measured data under the limit of average detection. If the readings given are average, peak measurement should also be supplied.

Site : Site 1	Time : 2007/09/11 - 19:58
Limit : FCC_SpartC_15.247_H_03M_PK	Margin : 6
EUT : Wi-Fi ATA	Probe : FCC_RF_1G-18G(2005-3) - VERTICAL
Power : AC 120V/60Hz	Note : TX-G-CH6

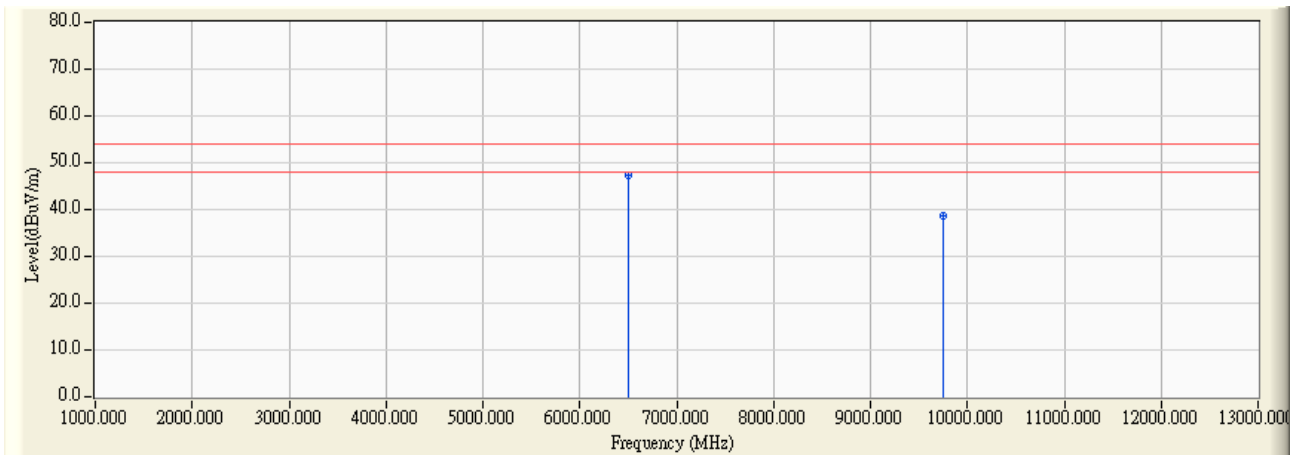


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)	Detector Type
1	1601.200	-7.077	52.340	45.263	-28.737	74.000	54.000	PEAK
2	2707.410	-3.169	47.380	44.212	-29.788	74.000	54.000	PEAK
3	3236.400	-0.402	43.370	42.968	-31.032	74.000	54.000	PEAK
4	4871.740	2.415	39.190	41.605	-32.395	74.000	54.000	PEAK
5	6507.010	6.405	48.970	55.375	-18.625	74.000	54.000	PEAK
6	7311.100	8.845	36.580	45.425	-28.575	74.000	54.000	PEAK
7	* 9753.500	15.162	40.690	55.852	-18.148	74.000	54.000	PEAK
8	12185.010	19.391	33.530	52.920	-21.080	74.000	54.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above are performed with peak and/or average measurements as necessary.
2. “ * ”, means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor.
4. The average measurement was not performed when the peak measured data under the limit of average detection. If the readings given are average, peak measurement should also be supplied.

Site : Site 1	Time : 2007/09/11 - 20:03
Limit : FCC_SpartC_15.247_H_03M_AV	Margin : 6
EUT : Wi-Fi ATA	Probe : FCC_RF_1G-18G(2005-3) - VERTICAL
Power : AC 120V/60Hz	Note : TX-G-CH6

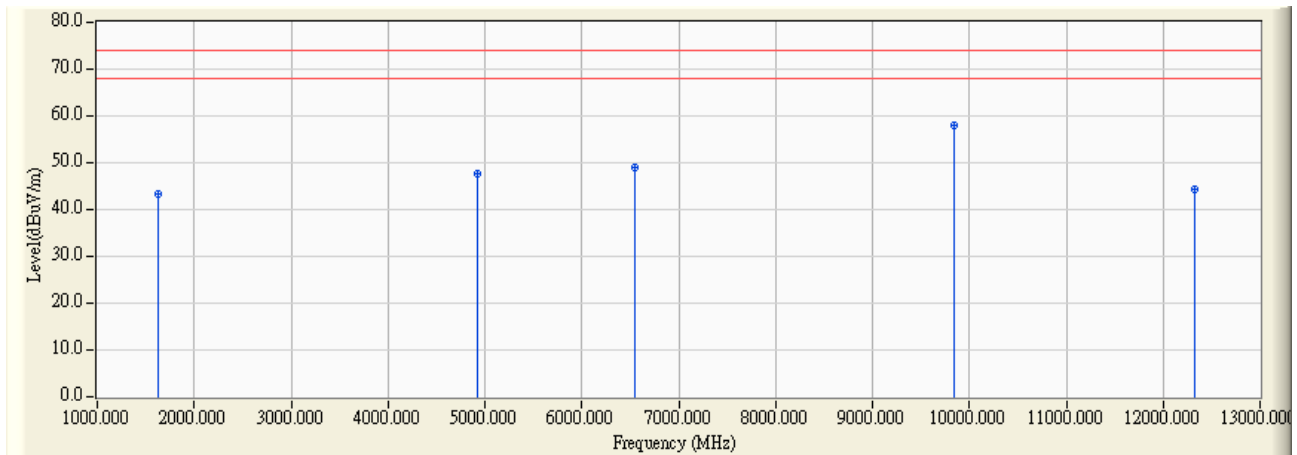


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)	Detector Type
1	*	6498.600	6.366	41.090	47.456	-6.544	74.000	54.000	AVERAGE
2		9748.390	15.135	23.690	38.825	-15.175	74.000	54.000	AVERAGE

Note:

1. All Readings below 1GHz are Quasi-Peak, above are performed with peak and/or average measurements as necessary.
2. “ * ”, means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor.
4. The average measurement was not performed when the peak measured data under the limit of average detection. If the readings given are average, peak measurement should also be supplied.

Site : Site 1	Time : 2007/09/13 - 13:18
Limit : FCC_SpartC_15.247_H_03M_PK	Margin : 6
EUT : Wi-Fi ATA	Probe : FCC_RF_1G-18G(2005-3) - HORIZONTAL
Power : AC 120V/60Hz	Note : TX-B-CH11

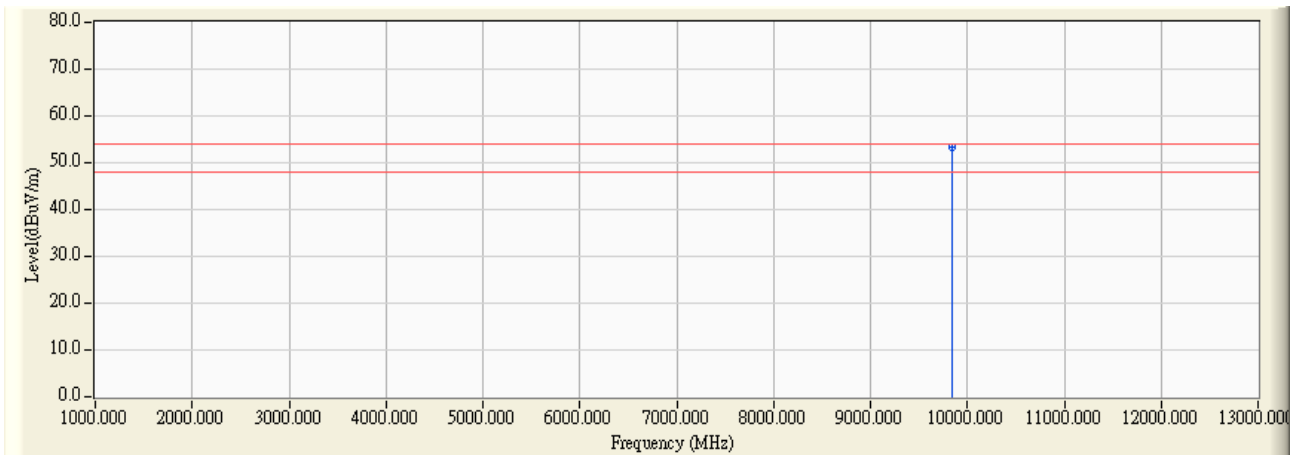


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)	Detector Type
1	1625.250	-7.742	51.100	43.358	-30.642	74.000	54.000	PEAK
2	4919.830	4.369	43.190	47.559	-26.441	74.000	54.000	PEAK
3	6555.110	6.142	42.980	49.122	-24.878	74.000	54.000	PEAK
4	* 9849.690	13.852	44.170	58.021	-15.979	74.000	54.000	PEAK
5	12326.650	9.153	35.270	44.423	-29.577	74.000	54.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above are performed with peak and/or average measurements as necessary.
2. “ * ”, means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor.
4. The average measurement was not performed when the peak measured data under the limit of average detection. If the readings given are average, peak measurement should also be supplied.

Site : Site 1	Time : 2007/09/13 - 13:20
Limit : FCC_SpartC_15.247_H_03M_AV	Margin : 6
EUT : Wi-Fi ATA	Probe : FCC_RF_1G-18G(2005-3) - HORIZONTAL
Power : AC 120V/60Hz	Note : TX-B-CH11

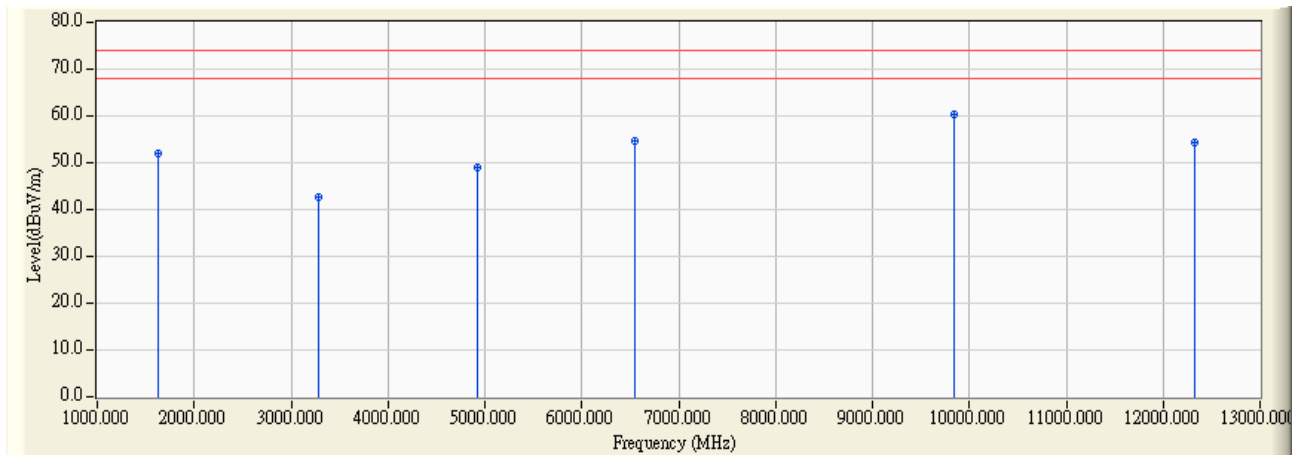


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)	Detector Type
1	*	9848.060	13.836	39.590	53.426	-0.574	74.000	54.000	AVERAGE

Note:

1. All Readings below 1GHz are Quasi-Peak, above are performed with peak and/or average measurements as necessary.
2. “ * ”, means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor.
4. The average measurement was not performed when the peak measured data under the limit of average detection. If the readings given are average, peak measurement should also be supplied.

Site : Site 1	Time : 2007/09/13 - 13:22
Limit : FCC_SpartC_15.247_H_03M_PK	Margin : 6
EUT : Wi-Fi ATA	Probe : FCC_RF_1G-18G(2005-3) - VERTICAL
Power : AC 120V/60Hz	Note : TX-B-CH11

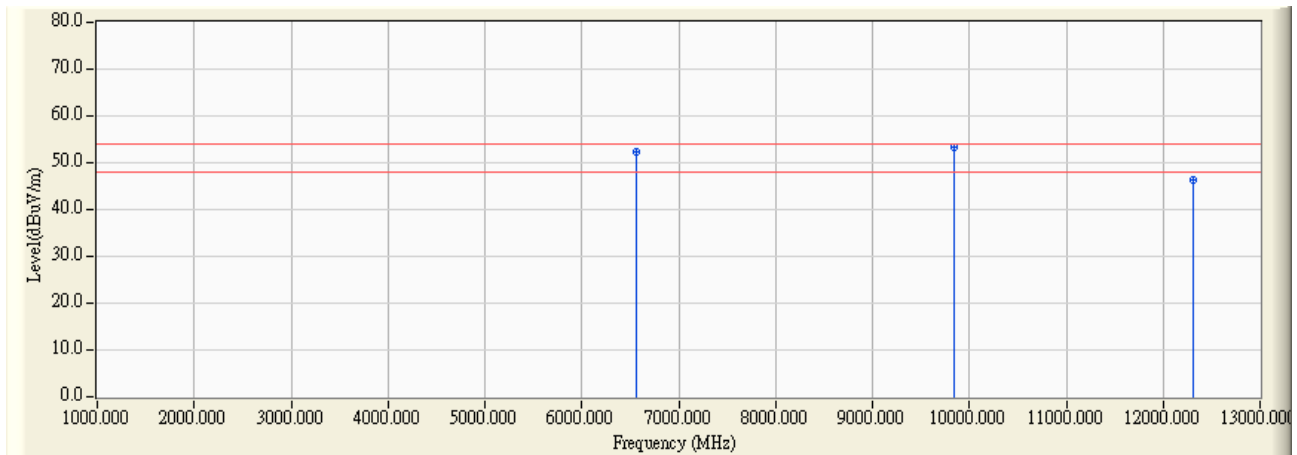


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)	Detector Type
1	1625.250	-6.942	58.960	52.018	-21.982	74.000	54.000	PEAK
2	3284.560	-0.260	43.040	42.779	-31.221	74.000	54.000	PEAK
3	4919.830	2.812	46.160	48.972	-25.028	74.000	54.000	PEAK
4	6555.110	6.642	47.890	54.532	-19.468	74.000	54.000	PEAK
5	* 9849.690	15.355	44.920	60.274	-13.726	74.000	54.000	PEAK
6	12326.650	17.577	36.630	54.207	-19.793	74.000	54.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above are performed with peak and/or average measurements as necessary.
2. “ * ”, means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor.
4. The average measurement was not performed when the peak measured data under the limit of average detection. If the readings given are average, peak measurement should also be supplied.

Site : Site 1	Time : 2007/09/13 - 13:22
Limit : FCC_SpartC_15.247_H_03M_AV	Margin : 6
EUT : Wi-Fi ATA	Probe : FCC_RF_1G-18G(2005-3) - VERTICAL
Power : AC 120V/60Hz	Note : TX-B-CH11

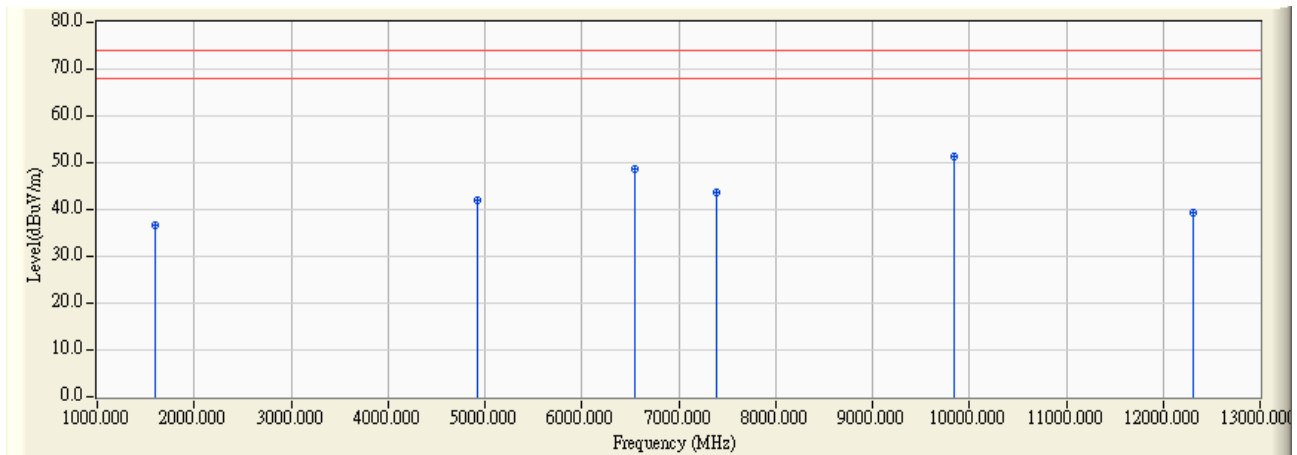


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)	Detector Type
1	6565.300	6.690	45.530	52.220	-1.780	74.000	54.000	AVERAGE
2	* 9848.110	15.355	37.950	53.305	-0.695	74.000	54.000	AVERAGE
3	12314.190	17.822	28.610	46.432	-7.568	74.000	54.000	AVERAGE

Note:

1. All Readings below 1GHz are Quasi-Peak, above are performed with peak and/or average measurements as necessary.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor.
4. The average measurement was not performed when the peak measured data under the limit of average detection. If the readings given are average, peak measurement should also be supplied.

Site : Site 1	Time : 2007/09/11 - 20:08
Limit : FCC_SpartC_15.247_H_03M_PK	Margin : 6
EUT : Wi-Fi ATA	Probe : FCC_RF_1G-18G(2005-3) - HORIZONTAL
Power : AC 120V/60Hz	Note : TX-G-CH11

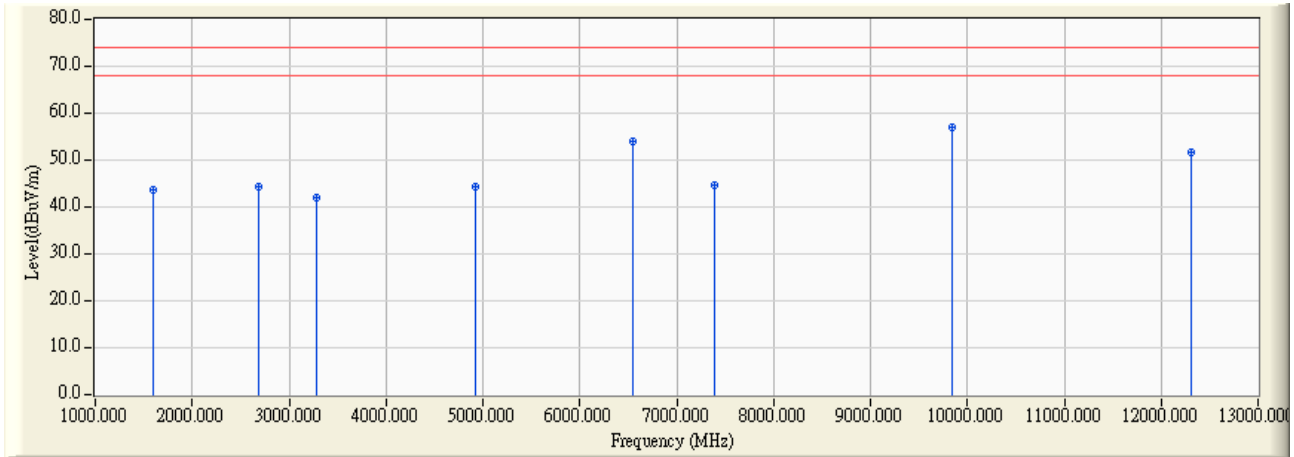


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)	Detector Type
1	1601.200	-7.877	44.530	36.653	-37.347	74.000	54.000	PEAK
2	4924.010	4.381	37.760	42.141	-31.859	74.000	54.000	PEAK
3	6555.110	6.142	42.360	48.502	-25.498	74.000	54.000	PEAK
4	7386.000	8.943	34.620	43.563	-30.437	74.000	54.000	PEAK
5	* 9849.690	13.852	37.450	51.301	-22.699	74.000	54.000	PEAK
6	12310.100	6.449	32.850	39.299	-34.701	74.000	54.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above are performed with peak and/or average measurements as necessary.
2. “ * ”, means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor.
4. The average measurement was not performed when the peak measured data under the limit of average detection. If the readings given are average, peak measurement should also be supplied.

Site : Site 1	Time : 2007/09/11 - 20:12
Limit : FCC_SpartC_15.247_H_03M_PK	Margin : 6
EUT : Wi-Fi ATA	Probe : FCC_RF_1G-18G(2005-3) - VERTICAL
Power : AC 120V/60Hz	Note : TX-G-CH11

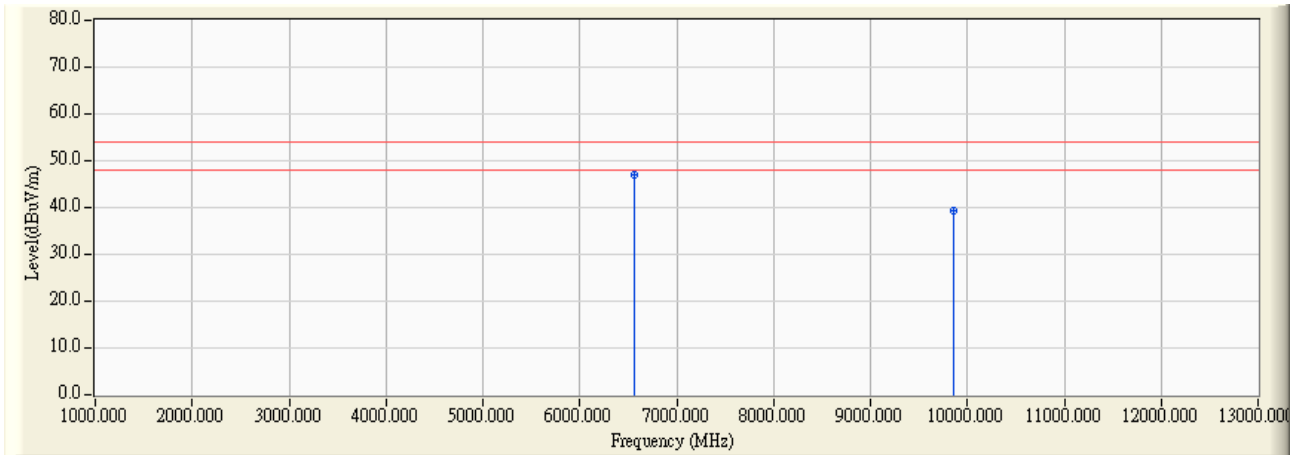


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)	Detector Type
1	1601.200	-7.077	50.740	43.663	-30.337	74.000	54.000	PEAK
2	2683.360	-3.210	47.520	44.310	-29.690	74.000	54.000	PEAK
3	3284.560	-0.260	42.100	41.839	-32.161	74.000	54.000	PEAK
4	4919.830	2.812	41.360	44.172	-29.828	74.000	54.000	PEAK
5	6555.110	6.642	47.280	53.922	-20.078	74.000	54.000	PEAK
6	7386.010	8.943	35.680	44.623	-29.377	74.000	54.000	PEAK
7	* 9849.600	15.355	41.530	56.884	-17.116	74.000	54.000	PEAK
8	12310.200	17.899	33.870	51.769	-22.231	74.000	54.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above are performed with peak and/or average measurements as necessary.
2. “ * ”, means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor.
4. The average measurement was not performed when the peak measured data under the limit of average detection. If the readings given are average, peak measurement should also be supplied.

Site : Site 1	Time : 2007/09/11 - 20:17
Limit : FCC_SpartC_15.247_H_03M_AV	Margin : 6
EUT : Wi-Fi ATA	Probe : FCC_RF_1G-18G(2005-3) - VERTICAL
Power : AC 120V/60Hz	Note : TX-G-CH11



		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)	Detector Type
1	*	6565.330	6.690	40.350	47.040	-6.960	74.000	54.000	AVERAGE
2		9855.330	15.351	23.970	39.321	-14.679	74.000	54.000	AVERAGE

Note:

1. All Readings below 1GHz are Quasi-Peak, above are performed with peak and/or average measurements as necessary.
2. “ * ”, means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor.
4. The average measurement was not performed when the peak measured data under the limit of average detection. If the readings given are average, peak measurement should also be supplied.

5. Band Edge

5.1. Test Equipment

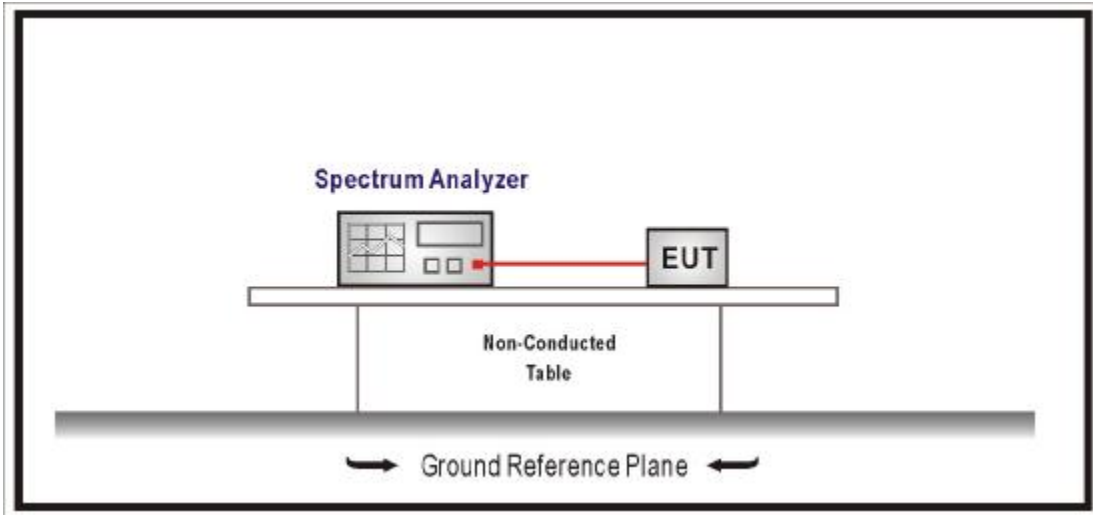
The following test equipment are used during the test:

RF Conducted Measurement:					
Item	Equipment		Manufacturer	Model No. / Serial No.	Last Cal.
1	Spectrum Analyzer		R & S	FSP / 100561	Mar., 2007
2	No.1 OATS				Sep., 2007
RF Radiated Measurement:					
Item		Equipment	Manufacturer	Model No. / Serial No.	Last Cal.
1	X	Spectrum Analyzer	R & S	FSP40 / 100005	Aug., 2007
2	X	Pre-Amplifier	HP	8449B / 3008A01123	Feb., 2007
3		Loop Antenna	R & S	HFH2-Z2 / 833799/004	Sep., 2007
4		BiconiLog Antenna	Schwarzbeck	VULB 9166 / 1061	Sep., 2007
5		Bilog Antenna	Chase	CBL6112B / 2455	Sep., 2007
6	X	Horn Antenna	Schwarzbeck	BBHA 9120D / BBHA9120D312	Sep., 2007
7		No.1 OATS			Sep., 2007

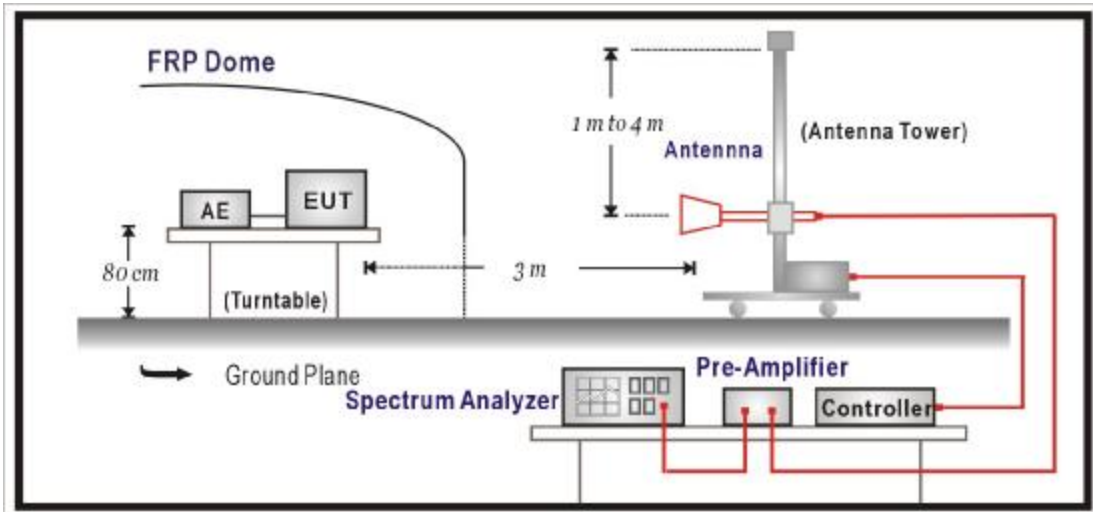
- Note: 1. All equipments that need to calibrate are with calibration period of 1 year.
 2. Mark "X" test instruments are used to measure the final test results.

5.2. Test Setup

RF Conducted Measurement:



RF Radiated 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 and its simulators are placed on a turn table which is 0.8 meter above ground. The turn table can rotate 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 can move up and down between 1 meter and 4 meters to find out the maximum emission level.

Both horizontal and vertical polarization of the antenna are set on measurement. In order to find the maximum emission, all of the interface cables must be manipulated according to ANSI C63.4:2003 on radiated measurement.

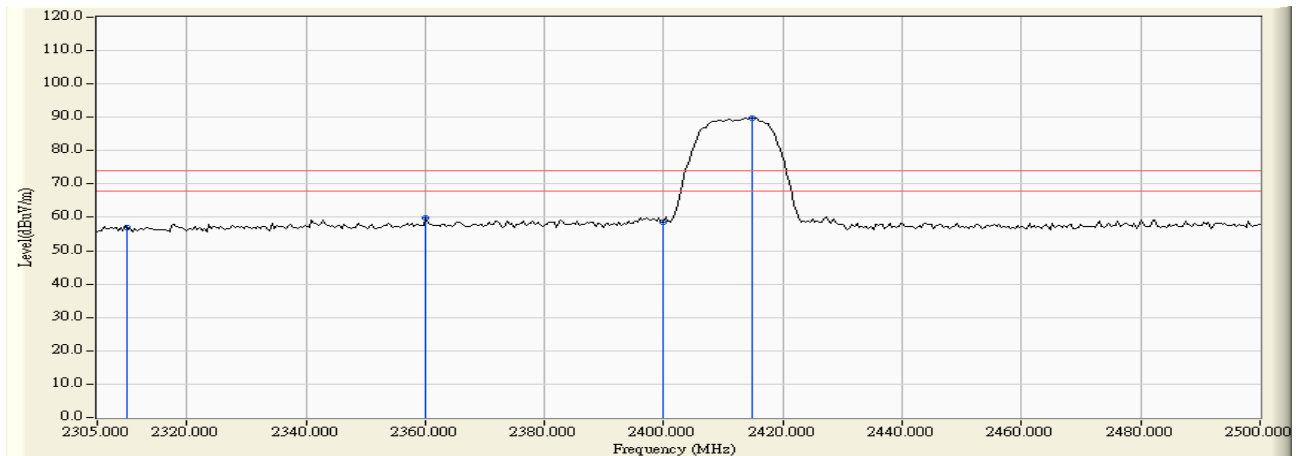
The bandwidth below 1GHz setting on the field strength meter is 120 kHz, above 1GHz are 1 MHz.

5.5. Test Specification

According to FCC Part 15 Subpart C Paragraph 15.247: 2006

5.6. Test Result

Site : Site 1	Time : 2007/09/13 - 09:40
Limit : FCC_SpartC_15.209_03M_PK	Margin : 6
EUT : Wi-Fi ATA	Probe : FCC_RF_1G-18G(2005-3) - HORIZONTAL
Power : AC 120V/60Hz	Note : CH1-B-Bandedge

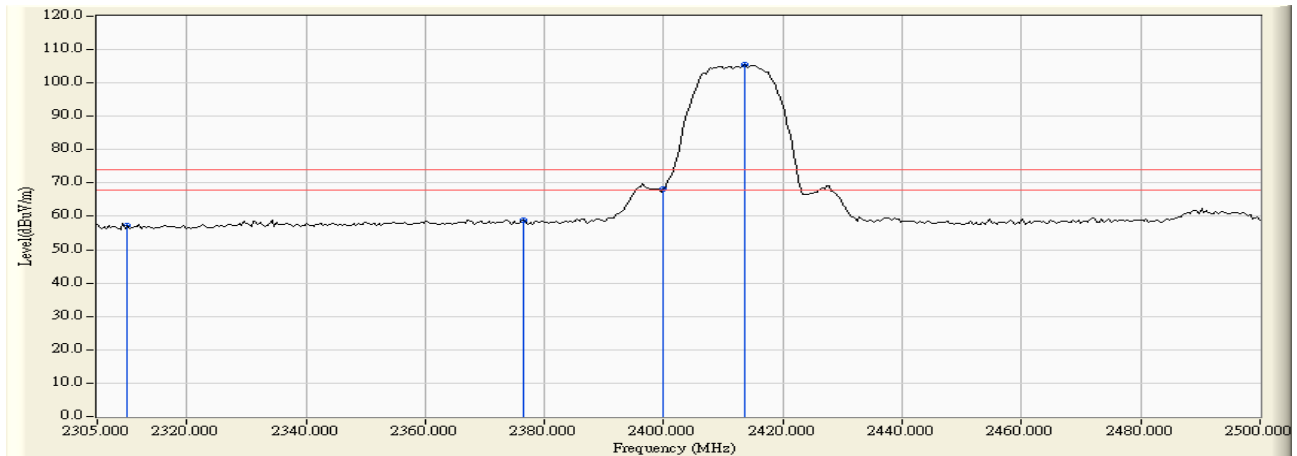


	Frequency (MHz)	Probe Factor (dB/m)	Cable Loss (dB/m)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	2360.100	24.38	4.49	30.928	59.798	-14.172	73.970	PEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above are performed with peak and/or average measurements as necessary.
2. “ * ”, means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor.
4. The average measurement was not performed when the peak measured data under the limit of average detection. If the readings given are average, peak measurement should also be supplied.

Site : Site 1	Time : 2007/09/13 - 09:53
Limit : FCC_SpartC_15.209_03M_PK	Margin : 6
EUT : Wi-Fi ATA	Probe : FCC_RF_1G-18G(2005-3) - VERTICAL
Power : AC 120V/60Hz	Note : CH1-B-Bandedge

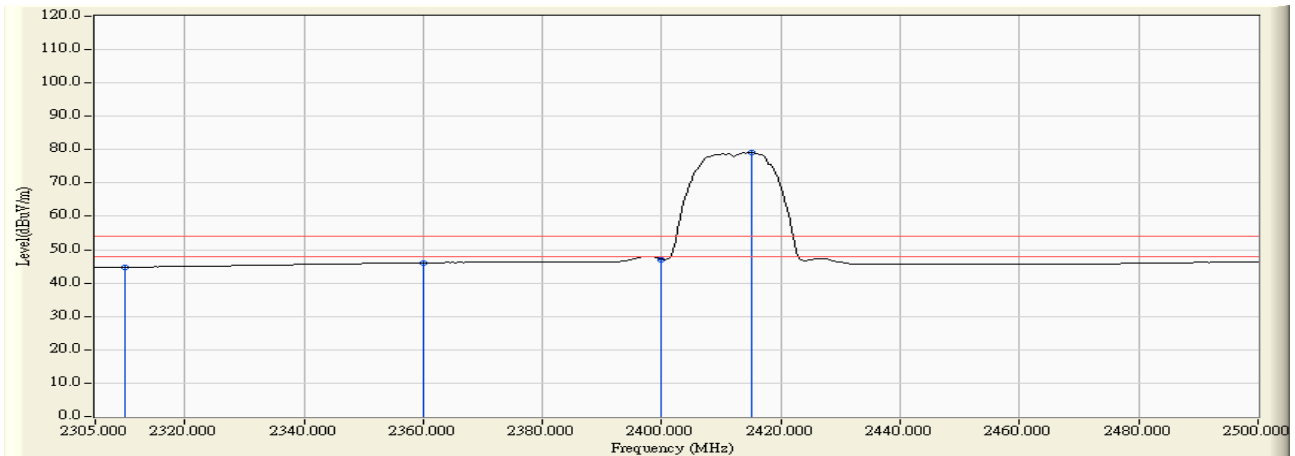


	Frequency (MHz)	Probe Factor (dB/m)	Cable Loss (dB/m)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	2376.513	22.829	4.500	31.591	58.919	-15.051	73.970	PEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above are performed with peak and/or average measurements as necessary.
2. “ * ”, means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor.
4. The average measurement was not performed when the peak measured data under the limit of average detection. If the readings given are average, peak measurement should also be supplied.

Site : Site 1	Time : 2007/09/13 - 09:44
Limit : FCC_SpartC_15.209_03M_AV	Margin : 6
EUT : Wi-Fi ATA	Probe : FCC_RF_1G-18G(2005-3) - HORIZONTAL
Power : AC 120V/60Hz	Note : CH1-B-Bandedge

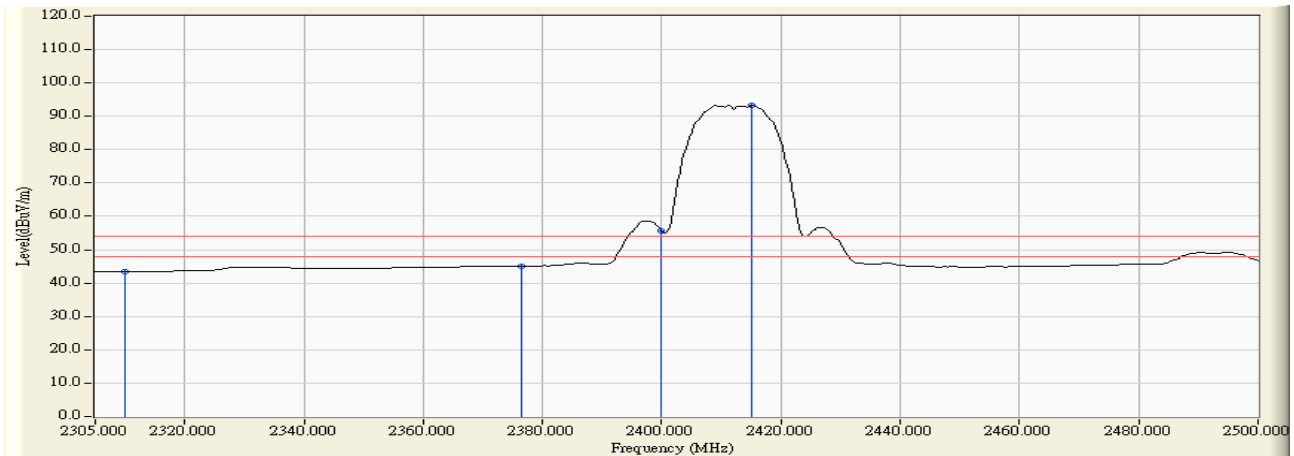


	Frequency (MHz)	Probe Factor (dB/m)	Cable Loss (dB/m)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	2360.100	24.38	4.49	17.233	46.103	-7.867	53.970	AVERAGE

Note:

1. All Readings below 1GHz are Quasi-Peak, above are performed with peak and/or average measurements as necessary.
2. “ * ”, means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor.
4. The average measurement was not performed when the peak measured data under the limit of average detection. If the readings given are average, peak measurement should also be supplied.

Site : Site 1	Time : 2007/09/13 - 10:04
Limit : FCC_SpartC_15.209_03M_AV	Margin : 6
EUT : Wi-Fi ATA	Probe : FCC_RF_1G-18G(2005-3) - VERTICAL
Power : AC 120V/60Hz	Note : CH1-B-Bandedge

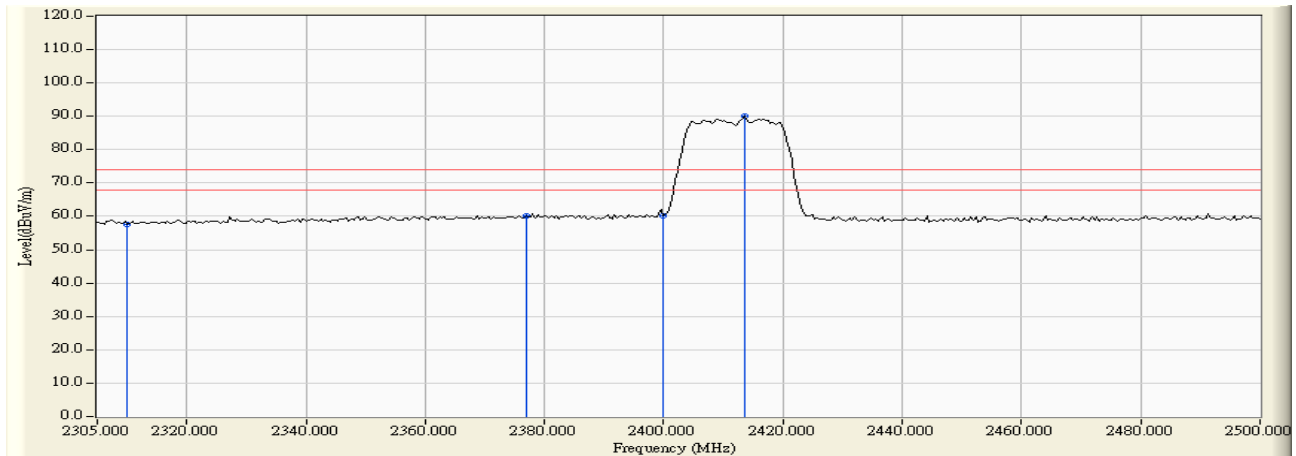


	Frequency (MHz)	Probe Factor (dB/m)	Cable Loss (dB/m)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	2376.513	22.829	4.500	17.820	45.148	-8.822	53.970	AVERAGE

Note:

1. All Readings below 1GHz are Quasi-Peak, above are performed with peak and/or average measurements as necessary.
2. “ * ”, means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor.
4. The average measurement was not performed when the peak measured data under the limit of average detection. If the readings given are average, peak measurement should also be supplied.

Site : Site 1	Time : 2007/09/13 - 10:14
Limit : FCC_SpartC_15.209_03M_PK	Margin : 6
EUT : Wi-Fi ATA	Probe : FCC_RF_1G-18G(2005-3) - HORIZONTAL
Power : AC 120V/60Hz	Note : CH1-G-Bandedge

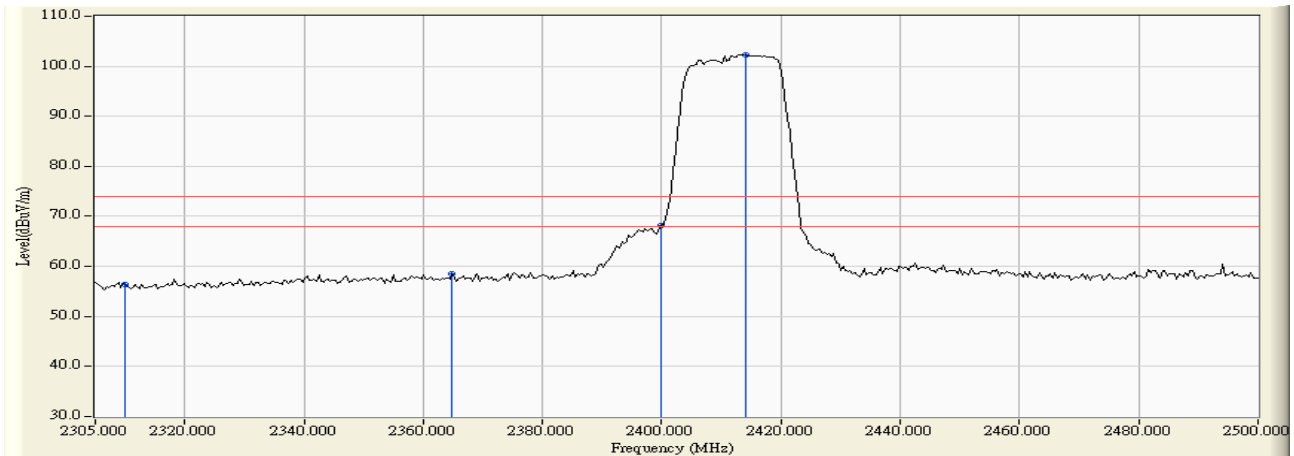


	Frequency (MHz)	Probe Factor (dB/m)	Cable Loss (dB/m)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	2376.904	24.43	4.500	31.377	60.307	-13.663	73.970	PEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above are performed with peak and/or average measurements as necessary.
2. “ * ”, means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor.
4. The average measurement was not performed when the peak measured data under the limit of average detection. If the readings given are average, peak measurement should also be supplied.

Site : Site 1	Time : 2007/09/13 - 08:31
Limit : FCC_SpartC_15.209_03M_PK	Margin : 6
EUT : Wi-Fi ATA	Probe : FCC_RF_1G-18G(2005-3) - VERTICAL
Power : AC 120V/60Hz	Note : CH1-G-Bandedge

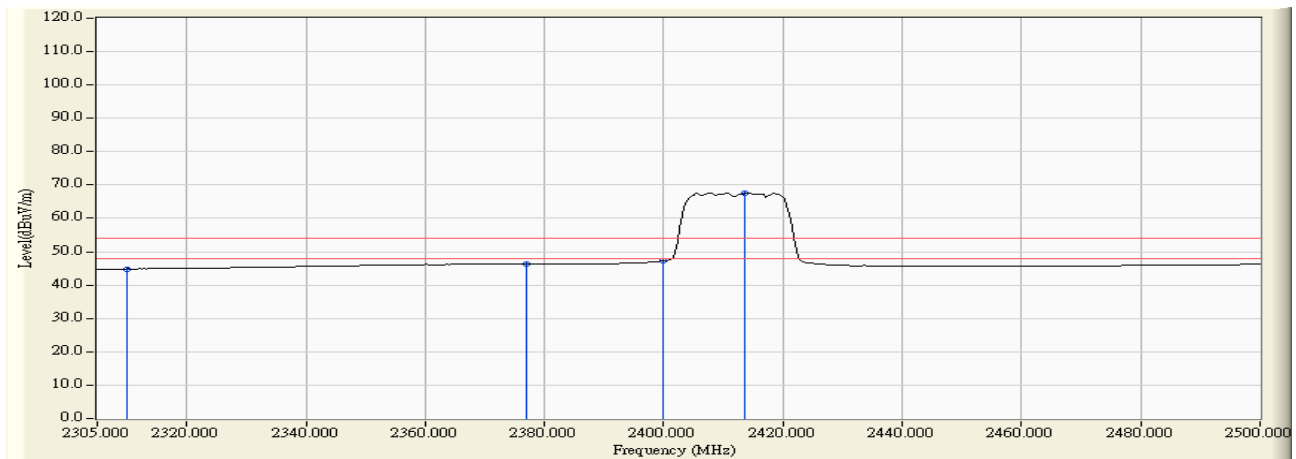


	Frequency (MHz)	Probe Factor (dB/m)	Cable Loss (dB/m)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	2364.790	22.794	4.493	31.163	58.450	-15.520	73.970	PEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above are performed with peak and/or average measurements as necessary.
2. “ * ”, means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor.
4. The average measurement was not performed when the peak measured data under the limit of average detection. If the readings given are average, peak measurement should also be supplied.

Site : Site 1	Time : 2007/09/13 - 10:19
Limit : FCC_SpartC_15.209_03M_AV	Margin : 6
EUT : Wi-Fi ATA	Probe : FCC_RF_1G-18G(2005-3) - HORIZONTAL
Power : AC 120V/60Hz	Note : CH1-G-Bandedge

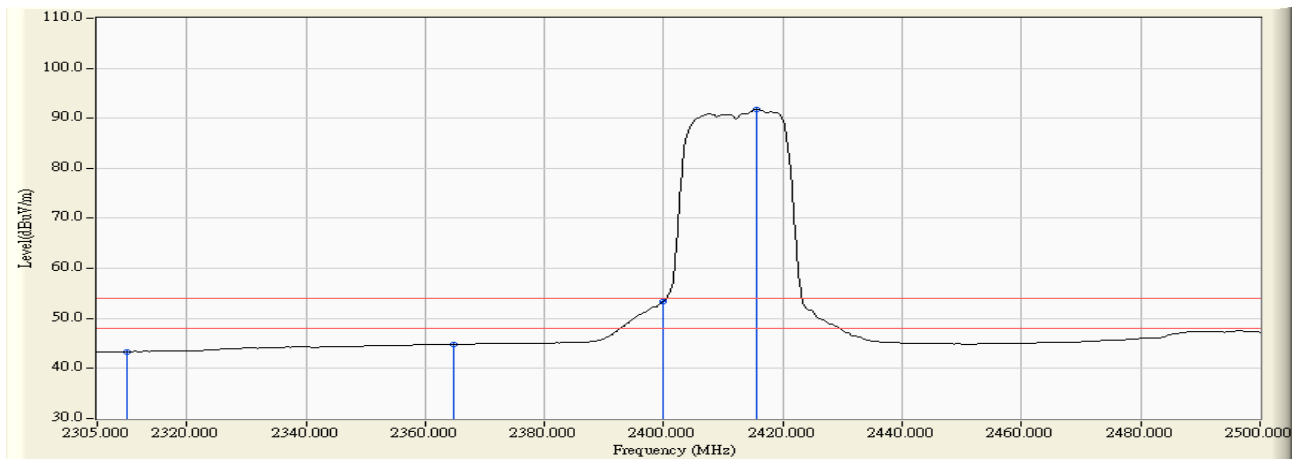


	Frequency (MHz)	Probe Factor (dB/m)	Cable Loss (dB/m)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	2376.904	24.43	4.500	17.411	46.341	-7.629	53.970	AVERAGE

Note:

1. All Readings below 1GHz are Quasi-Peak, above are performed with peak and/or average measurements as necessary.
2. “ * ”, means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor.
4. The average measurement was not performed when the peak measured data under the limit of average detection. If the readings given are average, peak measurement should also be supplied.

Site : Site 1	Time : 2007/09/13 - 08:34
Limit : FCC_SpartC_15.209_03M_AV	Margin : 6
EUT : Wi-Fi ATA	Probe : FCC_RF_1G-18G(2005-3) - VERTICAL
Power : AC 120V/60Hz	Note : CH1-G-Bandedge

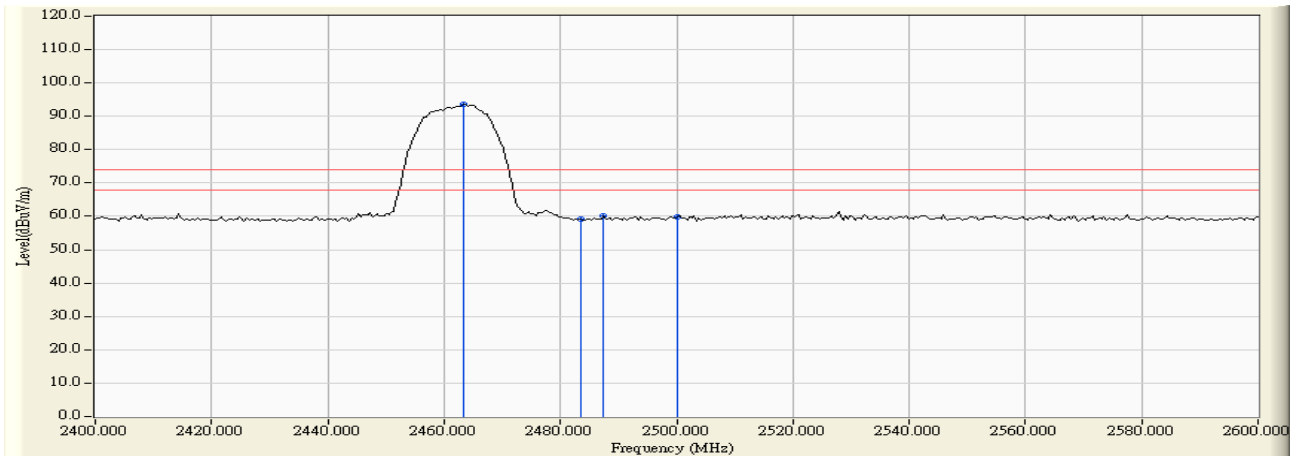


	Frequency (MHz)	Probe Factor (dB/m)	Cable Loss (dB/m)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	2364.790	22.794	4.493	17.541	44.828	-9.142	53.970	AVERAGE

Note:

1. All Readings below 1GHz are Quasi-Peak, above are performed with peak and/or average measurements as necessary.
2. “ * ”, means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor.
4. The average measurement was not performed when the peak measured data under the limit of average detection. If the readings given are average, peak measurement should also be supplied.

Site : Site 1	Time : 2007/09/13 - 10:53
Limit : FCC_SpartC_15.209_03M_PK	Margin : 6
EUT : Wi-Fi ATA	Probe : FCC_RF_1G-18G(2005-3) - HORIZONTAL
Power : AC 120V/60Hz	Note : CH11-B-Bandedge

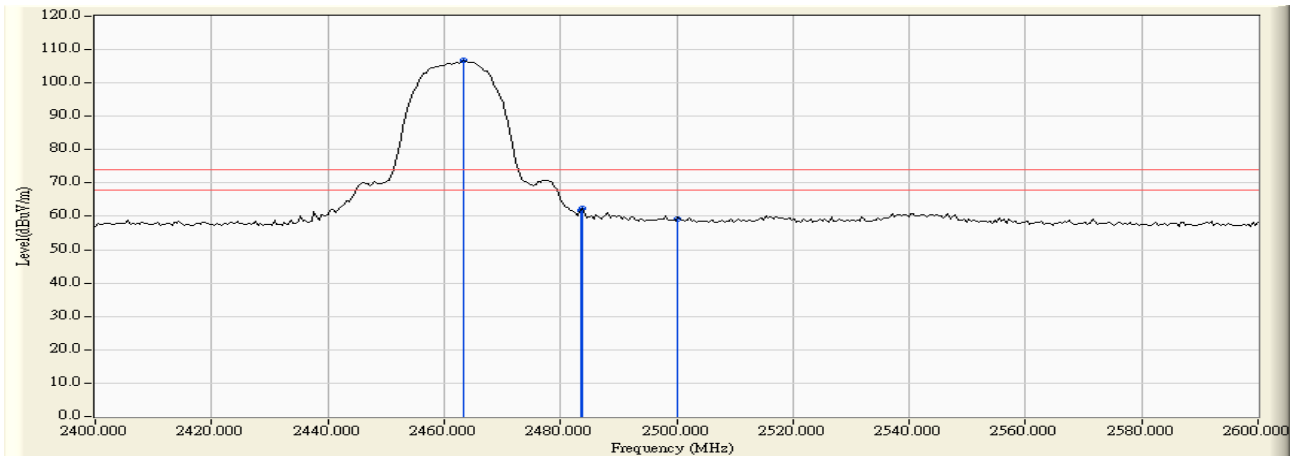


	Frequency (MHz)	Probe Factor (dB/m)	Cable Loss (dB/m)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	2487.375	24.730	4.575	30.937	60.242	-13.728	73.970	PEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above are performed with peak and/or average measurements as necessary.
2. “ * ”, means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor.
4. The average measurement was not performed when the peak measured data under the limit of average detection. If the readings given are average, peak measurement should also be supplied.

Site : Site 1	Time : 2007/09/13 - 10:37
Limit : FCC_SpartC_15.209_03M_PK	Margin : 6
EUT : Wi-Fi ATA	Probe : FCC_RF_1G-18G(2005-3) - VERTICAL
Power : AC 120V/60Hz	Note : CH11-B-Bandedge

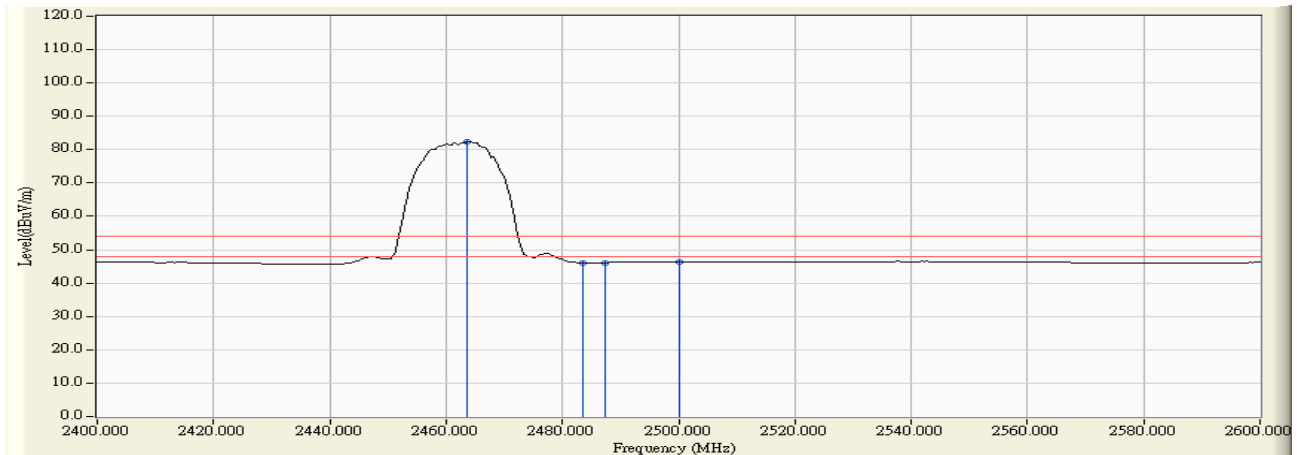


	Frequency (MHz)	Probe Factor (dB/m)	Cable Loss (dB/m)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	2483.768	23.121	4.573	34.694	62.388	-11.582	73.970	PEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above are performed with peak and/or average measurements as necessary.
2. “ * ”, means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor.
4. The average measurement was not performed when the peak measured data under the limit of average detection. If the readings given are average, peak measurement should also be supplied.

Site : Site 1	Time : 2007/09/13 - 10:53
Limit : FCC_SpartC_15.209_03M_AV	Margin : 6
EUT : Wi-Fi ATA	Probe : FCC_RF_1G-18G(2005-3) - HORIZONTAL
Power : AC 120V/60Hz	Note : CH11-B-Bandedge

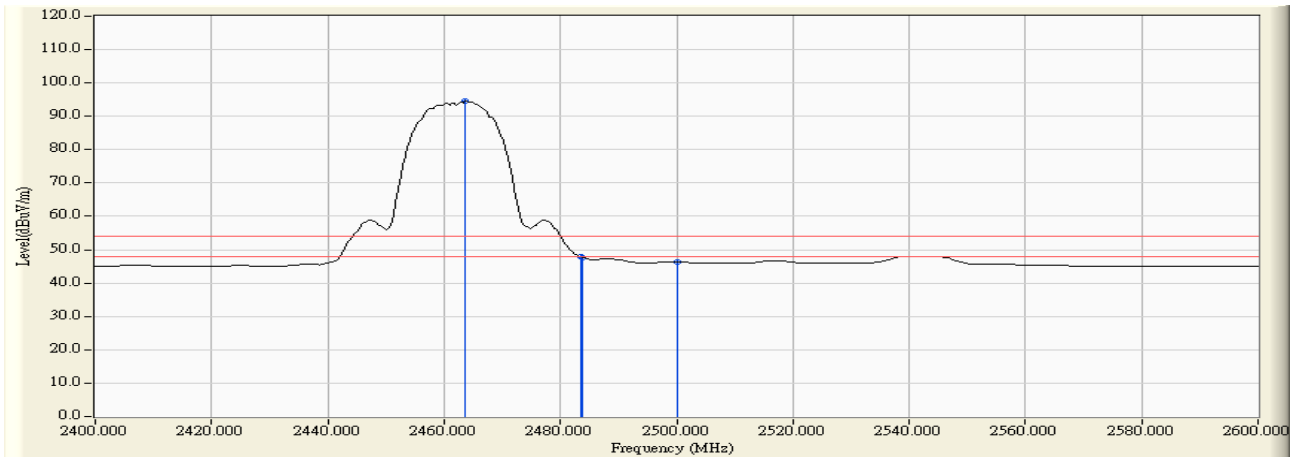


	Frequency (MHz)	Probe Factor (dB/m)	Cable Loss (dB/m)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
3	2487.375	24.730	4.575	16.844	46.149	-7.821	53.970	AVERAGE

Note:

1. All Readings below 1GHz are Quasi-Peak, above are performed with peak and/or average measurements as necessary.
2. “ * ”, means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor.
4. The average measurement was not performed when the peak measured data under the limit of average detection. If the readings given are average, peak measurement should also be supplied.

Site : Site 1	Time : 2007/09/13 - 10:42
Limit : FCC_SpartC_15.209_03M_AV	Margin : 6
EUT : Wi-Fi ATA	Probe : FCC_RF_1G-18G(2005-3) - VERTICAL
Power : AC 120V/60Hz	Note : CH11-B-Bandedge

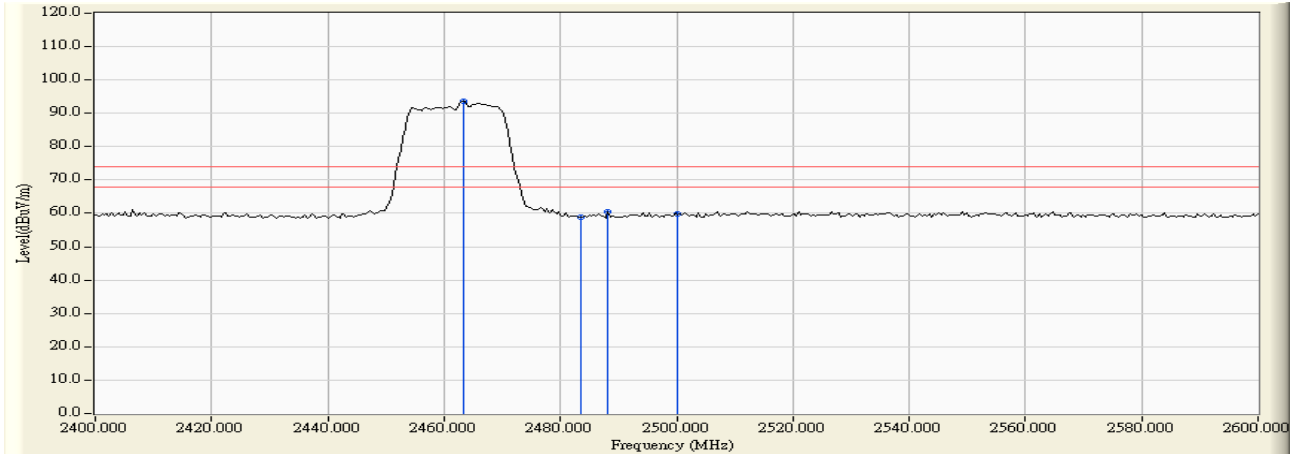


	Frequency (MHz)	Probe Factor (dB/m)	Cable Loss (dB/m)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	2483.763	23.121	4.573	20.062	47.756	-6.214	53.970	AVERAGE

Note:

1. All Readings below 1GHz are Quasi-Peak, above are performed with peak and/or average measurements as necessary.
2. “ * ”, means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor.
4. The average measurement was not performed when the peak measured data under the limit of average detection. If the readings given are average, peak measurement should also be supplied.

Site : Site 1	Time : 2007/09/13 - 11:00
Limit : FCC_SpartC_15.209_03M_PK	Margin : 6
EUT : Wi-Fi ATA	Probe : FCC_RF_1G-18G(2005-3) - HORIZONTAL
Power : AC 120V/60Hz	Note : CH11-G-Bandedge

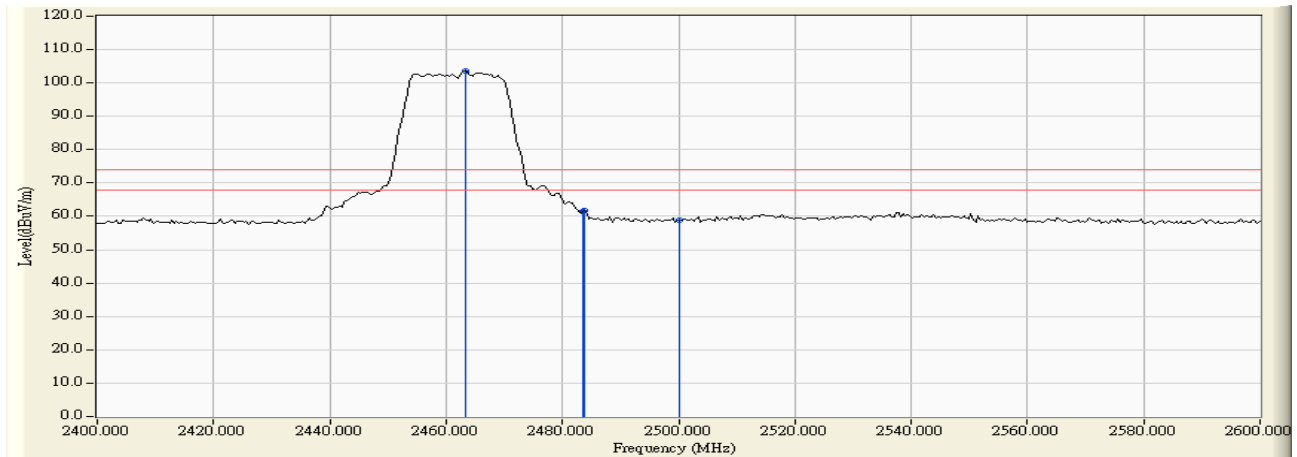


	Frequency (MHz)	Probe Factor (dB/m)	Cable Loss (dB/m)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	2488.176	24.732	4.575	31.125	60.432	-13.538	73.970	PEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above are performed with peak and/or average measurements as necessary.
2. “ * ”, means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor.
4. The average measurement was not performed when the peak measured data under the limit of average detection. If the readings given are average, peak measurement should also be supplied.

Site : Site 1	Time : 2007/09/13 - 11:13
Limit : FCC_SpartC_15.209_03M_PK	Margin : 6
EUT : Wi-Fi ATA	Probe : FCC_RF_1G-18G(2005-3) - VERTICAL
Power : AC 120V/60Hz	Note : CH11-G-Bandedge

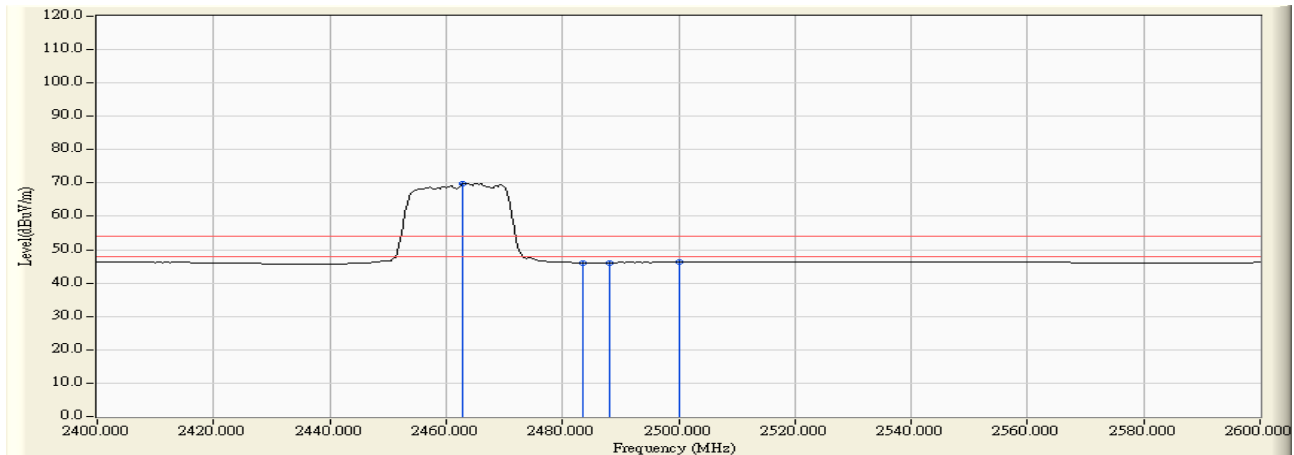


	Frequency (MHz)	Probe Factor (dB/m)	Cable Loss (dB/m)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	2483.768	23.121	4.573	34.137	61.831	-12.139	73.970	PEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above are performed with peak and/or average measurements as necessary.
2. “ * ”, means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor.
4. The average measurement was not performed when the peak measured data under the limit of average detection. If the readings given are average, peak measurement should also be supplied.

Site : Site 1	Time : 2007/09/13 - 11:04
Limit : FCC_SpartC_15.209_03M_AV	Margin : 6
EUT : Wi-Fi ATA	Probe : FCC_RF_1G-18G(2005-3) - HORIZONTAL
Power : AC 120V/60Hz	Note : CH11-G-Bandedge

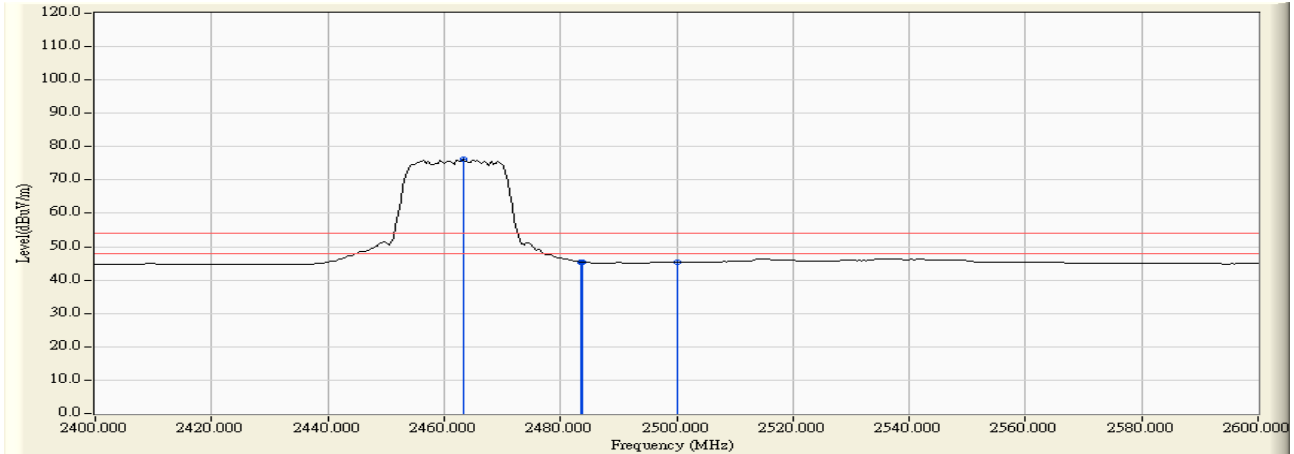


	Frequency (MHz)	Probe Factor (dB/m)	Cable Loss (dB/m)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	2488.176	24.732	4.575	16.807	46.114	-7.856	53.970	AVERAGE

Note:

1. All Readings below 1GHz are Quasi-Peak, above are performed with peak and/or average measurements as necessary.
2. “ * ”, means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor.
4. The average measurement was not performed when the peak measured data under the limit of average detection. If the readings given are average, peak measurement should also be supplied.

Site : Site 1	Time : 2007/09/13 - 11:15
Limit : FCC_SpartC_15.209_03M_AV	Margin : 6
EUT : Wi-Fi ATA	Probe : FCC_RF_1G-18G(2005-3) - VERTICAL
Power : AC 120V/60Hz	Note : CH11-G-Bandedge



	Frequency (MHz)	Probe Factor (dB/m)	Cable Loss (dB/m)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	2483.768	23.121	4.573	17.733	45.427	-8.543	53.970	AVERAGE

Note:

1. All Readings below 1GHz are Quasi-Peak, above are performed with peak and/or average measurements as necessary.
2. “ * ”, means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor.
4. The average measurement was not performed when the peak measured data under the limit of average detection. If the readings given are average, peak measurement should also be supplied.

6. Occupied Bandwidth

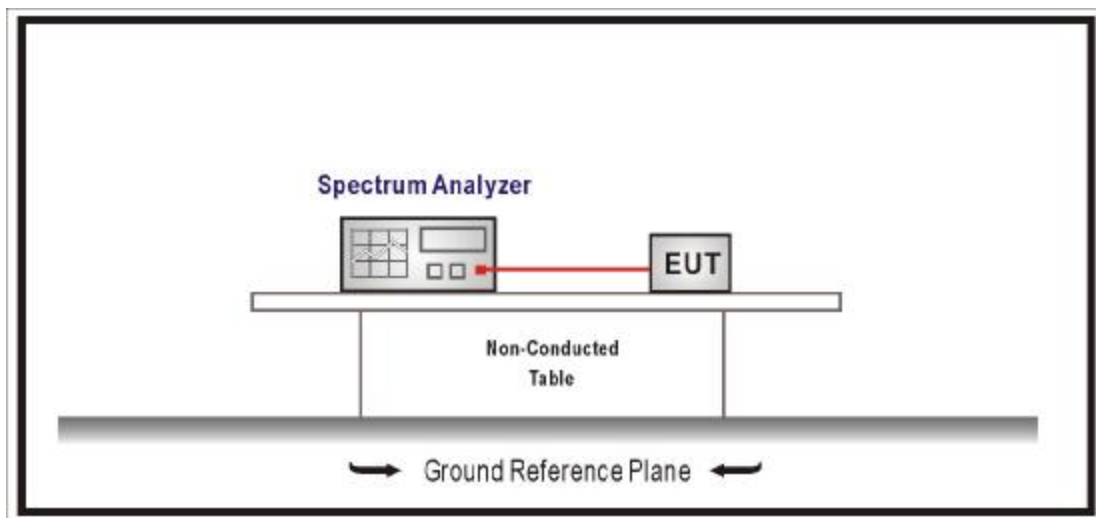
6.1. Test Equipment

The following test equipment are used during the test:

Item	Equipment	Manufacturer	Model No. / Serial No.	Last Cal.
1	Spectrum Analyzer	R & S	FSP / 100561	Mar., 2006
2	No.1 OATS			Sep., 2006

Note: 1. All equipments that need to calibrate are with calibration period of 1 year.

6.2. Test Setup



6.3. Limits

For frequency hopping systems operating in the 902-928 MHz band: if the 20 dB bandwidth of the hopping channel is less than 250 kHz, the system shall use at least 50 hopping frequencies and the average time of occupancy on any frequency shall not be greater than 0.4 seconds within a 20 second period; if the 20 dB bandwidth of the hopping channel is 250 kHz or greater, the system shall use at least 25 hopping frequencies and the average time of occupancy on any frequency shall not be greater than 0.4 seconds within a 10 second period. The maximum allowed 20 dB bandwidth of the hopping channel is 500 kHz.

For frequency hopping systems operating in the 5725-5850 MHz bands. The maximum 20 dB bandwidth of the hopping channel is 1 MHz.

For frequency hopping systems shall have hopping channel carrier frequencies separated by a minimum of 25 kHz or the 20 dB bandwidth of the hopping channel, whichever is greater.

6.4. Test Specification

According to FCC Part 15 Subpart C Paragraph 15.247: 2005

6.5. Uncertainty

The measurement uncertainty is defined as $\pm 50\text{kHz}$

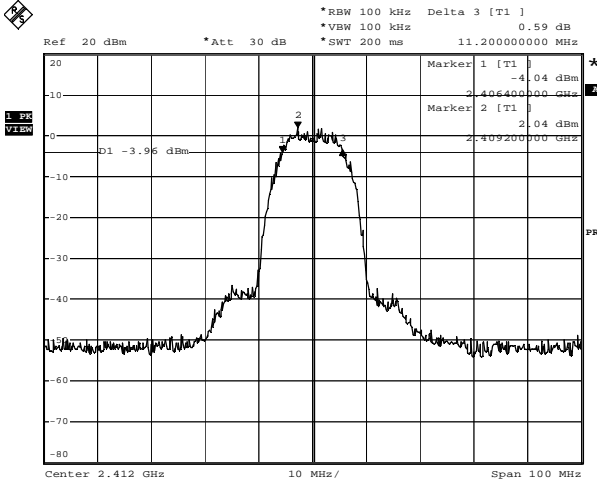
6.6. Test Result

Product	Wi-Fi ATA		
Test Item	Occupied Bandwidth		
Test Mode	Mode 1: Transmit		
Date of Test	2007/09/10	Test Site	No.1 OATS

IEEE 802.11b

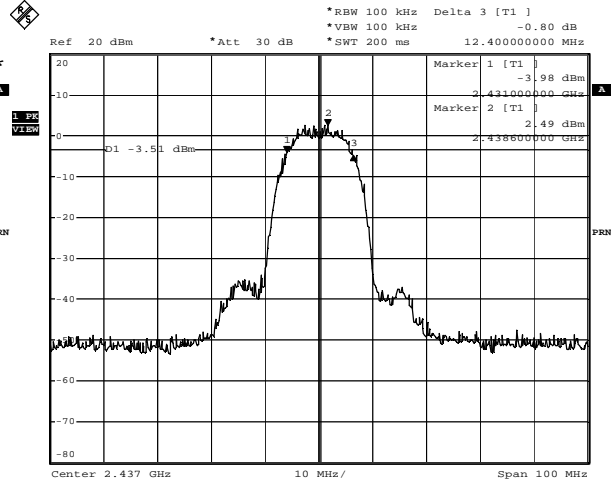
Channel No.	Frequency (MHz)	Measure Value (kHz)	Limit (kHz)	Result
1	2412	11200	>500	Pass
6	2437	12400	> 500	Pass
11	2462	11600	> 500	Pass

Channel 1



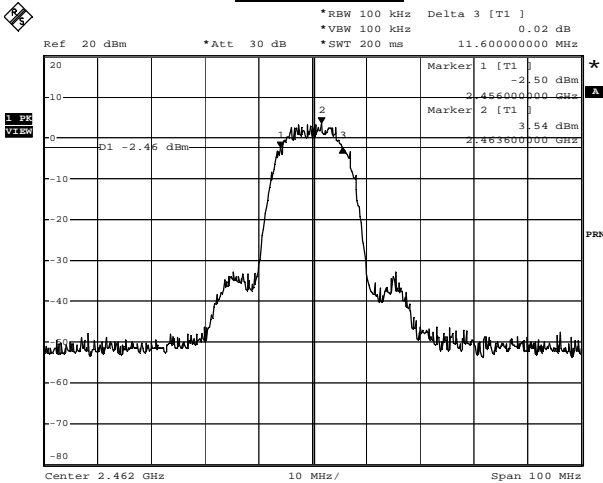
Date: 10.SEP.2007 12:53:39

Channel 6



Date: 10.SEP.2007 12:41:47

Channel 11

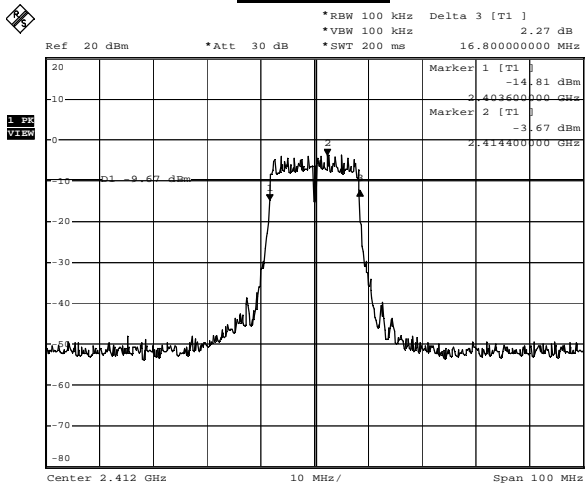


Date: 10.SEP.2007 12:38:54

Product	Wi-Fi ATA		
Test Item	Occupied Bandwidth		
Test Mode	Mode 1: Transmit		
Date of Test	2007/09/10	Test Site	No.1 OATS

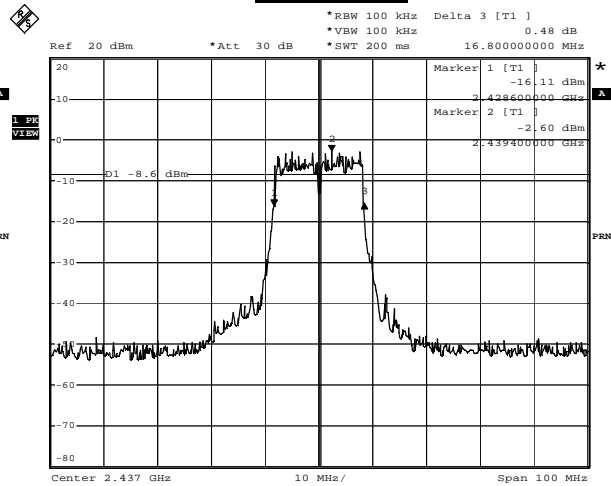
IEEE 802.11g				
Channel No.	Frequency (MHz)	Measure Value (kHz)	Limit (kHz)	Result
1	2412	16800	> 500	Pass
6	2437	16800	> 500	Pass
11	2462	16800	> 500	Pass

Channel 1



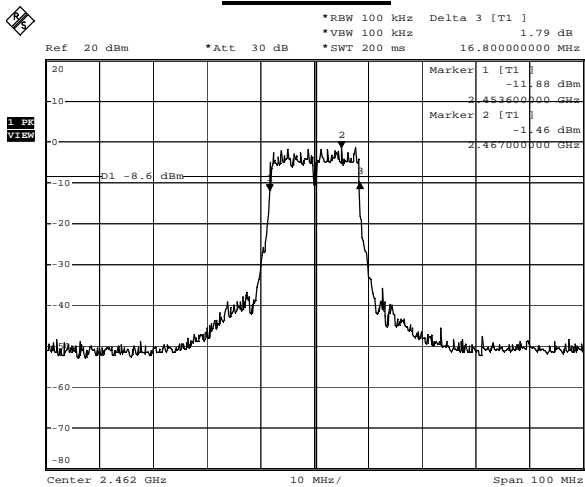
Date: 10.SEP.2007 12:58:33

Channel 6



Date: 10.SEP.2007 13:00:08

Channel 11



Date: 10.SEP.2007 13:01:32

7. Power Density

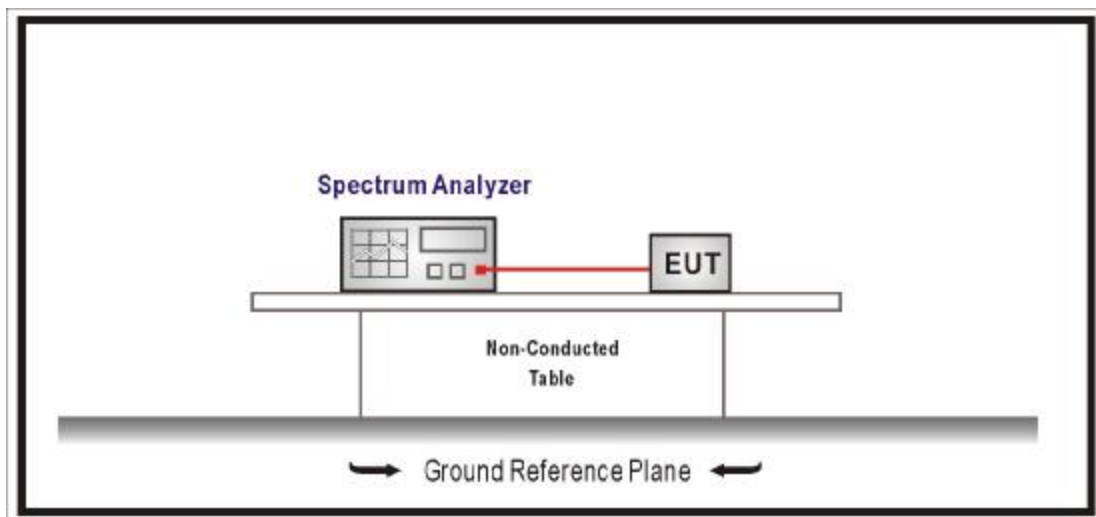
7.1. Test Equipment

The following test equipment are used during the test:

Item	Equipment	Manufacturer	Model No. / Serial No.	Last Cal.
1	Spectrum Analyzer	R & S	FSP / 100561	Mar., 2007
2	No.1 OATS			Sep., 2007

Note: 1. All equipments that need to calibrate are with calibration period of 1 year.

7.2. Test Setup



7.3. Limits

The peak power spectral density conducted from the intentional radiated to the antenna shall not be greater than +8dBm in any 3kHz band during any time interval of continuous transmission.

7.4. Test Specification

According to FCC Part 15 Subpart C Paragraph 15.247: 2005

7.5. Uncertainty

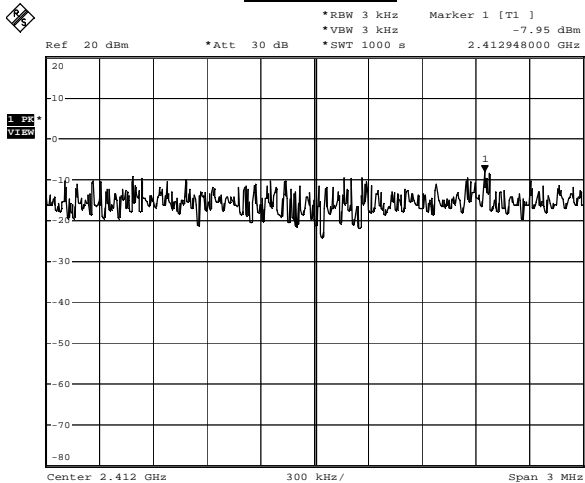
The measurement uncertainty is defined as $\pm 1.27\text{dB}$.

7.6. Test Result

Product	Wi-Fi ATA		
Test Item	Power Density		
Test Mode	Mode 1: Transmit		
Date of Test	2007/09/10	Test Site	No.1 OATS

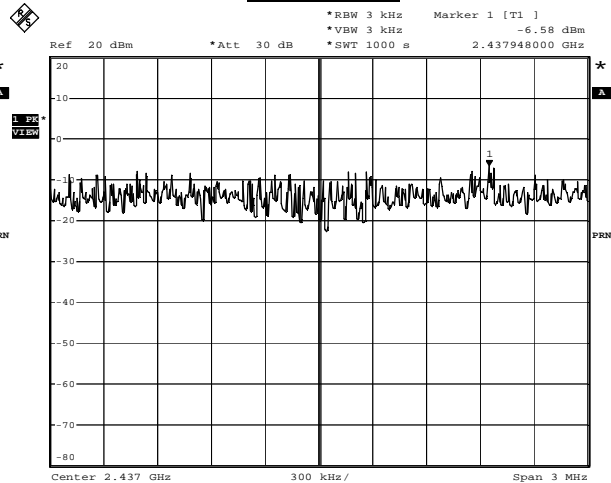
IEEE 802.11b				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
1	2412	-7.95	<8	Pass
6	2437	-6.58	<8	Pass
11	2462	-5.93	<8	Pass

Channel 1



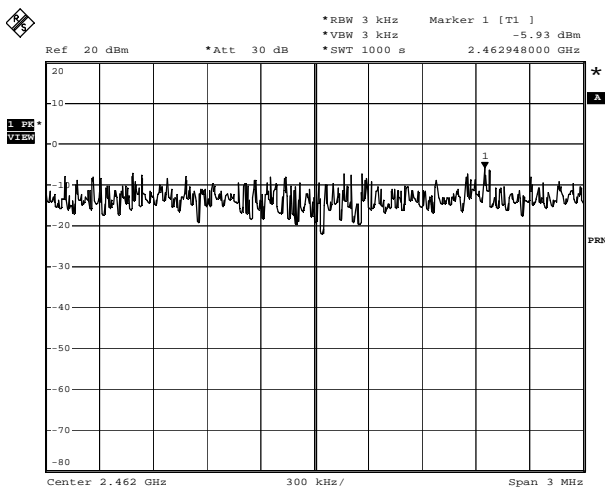
Date: 6.SEP.2007 19:19:07

Channel 6



Date: 6.SEP.2007 19:22:43

Channel 11

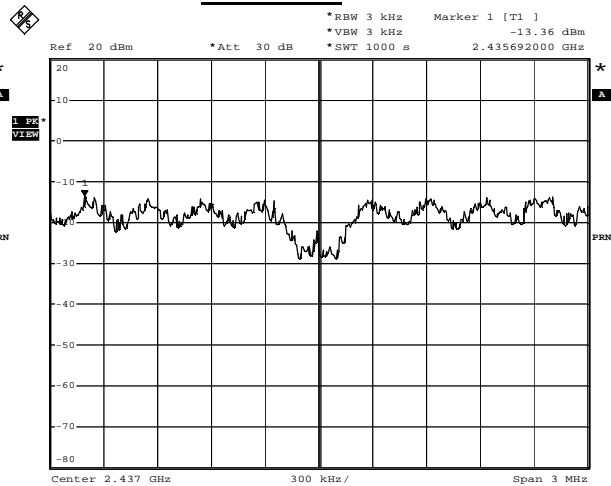
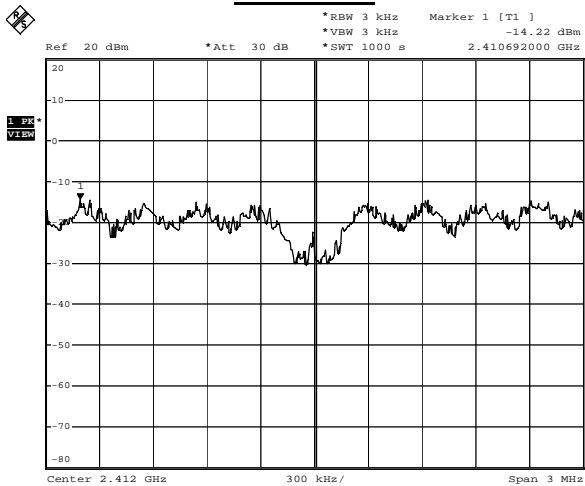


Date: 6.SEP.2007 19:25:43

Product	Wi-Fi ATA		
Test Item	Power Density		
Test Mode	Mode 1: Transmit		
Date of Test	2007/09/10	Test Site	No.1 OATS

IEEE 802.11g				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
1	2412	-14.22	<8	Pass
6	2437	-13.36	<8	Pass
11	2462	-12.59	<8	Pass

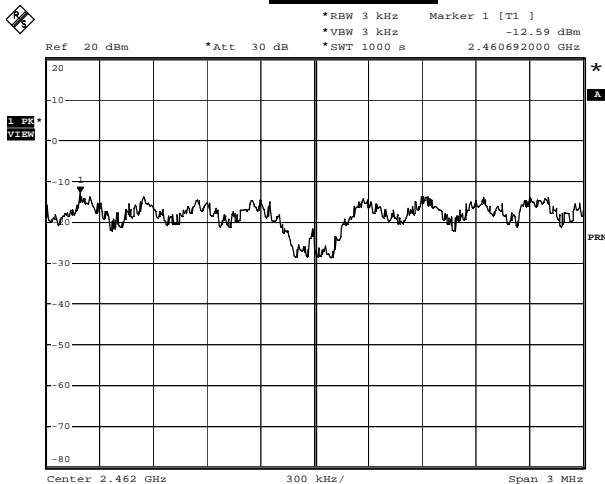
Channel 1



Date: 6.SEP.2007 20:59:09

Date: 6.SEP.2007 21:02:30

Channel 11



Date: 6.SEP.2007 21:13:05