



Test Report

Product Name : Eee PC
Model No. : Eee PC 701SD
FCC ID : MSQEPC701SD

Applicant : ASUSTEK COMPUTER INC.

Address : NO.150, Li-Te Dd., Peitou, Taipei, Taiwan, R.O.C.

Date of Receipt : 2008/06/20
Issued Date : 2008/07/21
Report No. : 087S015-RF-US-P05V01

The test results relate only to the samples tested.

The test results shown in the test report are traceable to the national/international standard through the calibration of the equipment and evaluated measurement uncertainty herein.


This report must not be used to claim product endorsement by CNLA, NVLAP or any agency of the Government.
The test report shall not be reproduced except in full without the written approval of QuieTek Corporation.

Test Report Certification


Issued Date : 2008/07/21
 Report No. : 087S015-RF-US-P05V01




Product Name : Eee PC
 Applicant : ASUSTEK COMPUTER INC.
 Address : NO.150, Li-Te Dd., Peitou, Taipei, Taiwan, R.O.C.
 Manufacturer : NorthTec Asia (Shanghai) Limited
 Address : No.3768 Xiu Yan Rd.Kang Qiao Town, Nan Hui Dist,
 Shang Hai
 Model No. : Eee PC 701SD
 FCC ID : MSQEPC701SD
 Rated Voltage : AC 120 V / 60 Hz
 EUT Voltage : AC 100-240 V / 50-60 Hz
 Trade Name : ASUS
 Applicable Standard : FCC CFR Title 47 Part 15 Subpart C: 2007
 ANSI C63.4: 2003
 Test Result : Complied
 Performed Location : SuZhou EMC laboratory
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 Hi-Tech Development Zone., SuZhou, China
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 FCC Registration Number: 800392

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Laboratory Information

We , **Quietek Corporation**, are an independent EMC and safety consultancy that was established the whole facility in our laboratories. The test facility has been accredited by the following accreditation Bodies in compliance with ISO 17025, EN 45001 and Guide 25:

Taiwan R.O.C.	: BSMI, DGT, CNLA
Germany	: TUV Rheinland
Norway	: Nemko, DNV
USA	: FCC, NVLAP
Japan	: VCCI

The related certificate for our laboratories about the test site and management system can be downloaded from Quietek Corporation's Web Site : <http://tw.quietek.com/modules/myalbum/>
 The address and introduction of Quietek Corporation's laboratories can be founded in our Web site : <http://www.quietek.com/>
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1. General Information

1.1. EUT Description

Product Name	Eee PC
Trade Name	ASUS
Model No.	Eee PC 701SD
FCC ID	MSQEPC701SD

Note:

The appearance of this product has two colors, just as chapter 11.

Component	
Power Supply	Manufacturer: ASUS M/N: AD60000 Input: AC 100-240V~, 50/60Hz, 680mA Output: DC 9.5V, 2.5A

WLAN	AzureWave / AW-GE730
Working Voltage	DC 3.3V
Frequency Range	802.11b/g: 2412 - 2462 MHz
Channel Number	802.11b/g: 11
Power output	802.11b: 15.92dBm 802.11g: 12.39dBm
Channel Spacing	5MHz
Type of Modulation	802.11b: DSSS 802.11g: OFDM
Data Rate	802.11b: 1/2/5.5/11 Mbps 802.11g: 6/9/12/18/24/36/48/54 Mbps
Channel Control	Auto
Antenna Type	PIFA
Antenna Gain	Refer to the "Antenna List"

802.11b/g Working Frequency of Each Channel:							
Channel	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency
01	2412 MHz	02	2417 MHz	03	2422 MHz	04	2427 MHz
05	2432 MHz	06	2437 MHz	07	2442 MHz	08	2447 MHz
09	2452 MHz	10	2457 MHz	11	2462 MHz	N/A	N/A

802.11b/g Antenna List

Antenna	Manufacturer	P/N	Peak Gain
Antenna	Yageo	CAN4313781012451B	2.4GHz: 2.87dBi

1.2. Mode of Operation

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

Test Mode
Mode 1: Transmit by 802.11b
Mode 2: Transmit by 802.11g

Note:

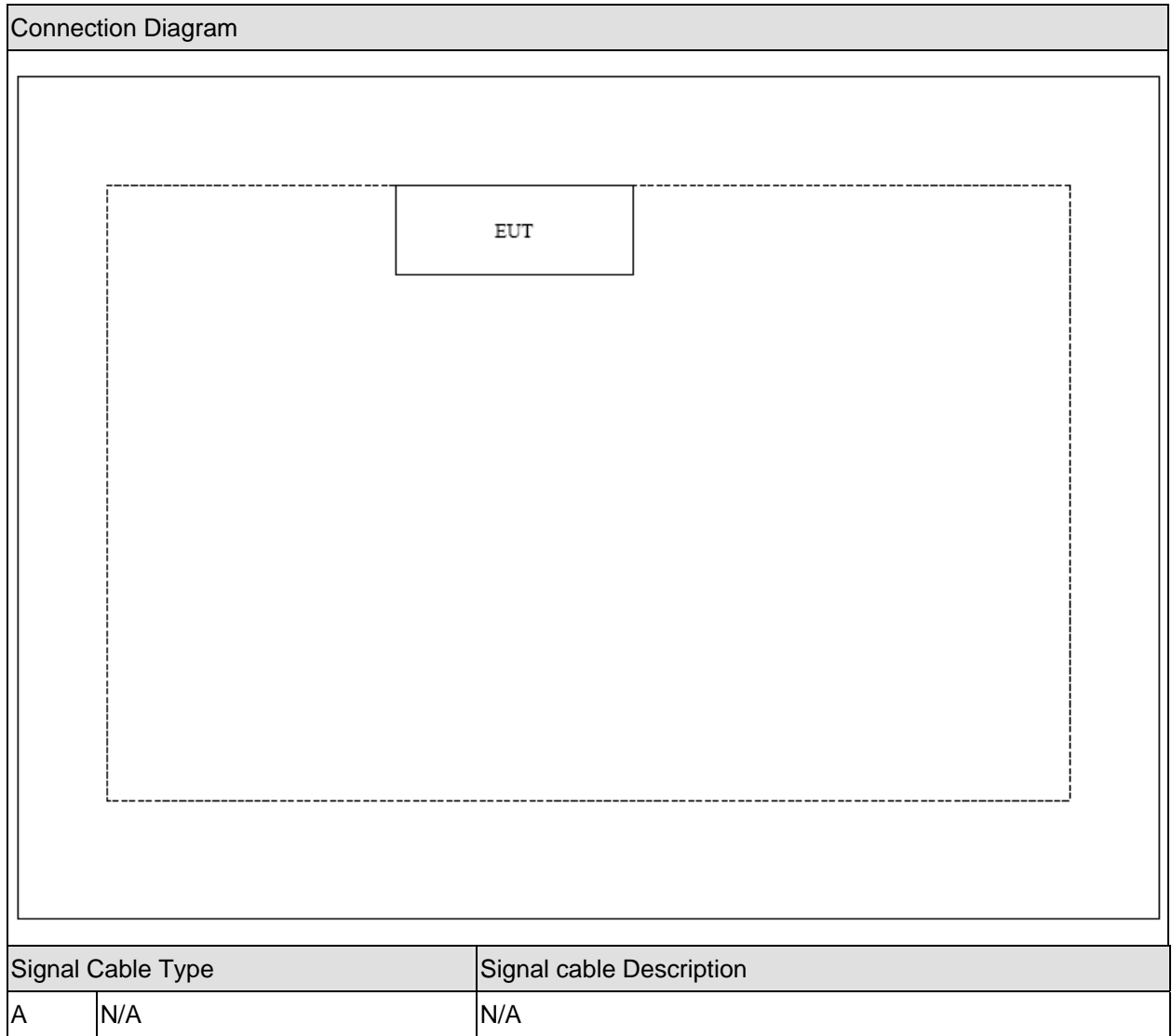
1. Regards to the frequency band operation: the lowest, middle and highest frequency of channel were selected to perform the test, then shown on this report.
2. This device is a composite device in accordance with Part 15 Subpart B regulations. The function for the receiver was measured and made a test report that the report number is 087S015-IT-US-P01V02, certified under Declaration of Conformity.

1.3. 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	N/A	N/A	N/A	N/A	N/A

1.4. Configuration of Tested System



1.5. EUT Exercise Software

1	Setup the EUT and simulators as shown on above.
2	Turn on the power of equipment.
3	Run control software "Ralink RTL8187SE MP Diagnostic Program 0.0032.0410.2008" provided by applicant, and set it working on continuously transmission mode at low, middle, high channel respectively.

2. Technical Test

2.1. Summary of Test Result

- No deviations from the test standards
 Deviations from the test standards as below description:

Performed Test Item	Normative References	Test Performed	Deviation
Conducted Emission	FCC CFR Title 47 Part 15 Subpart C: 2007 Section 15.207	Yes	No
Radiated Emission	FCC CFR Title 47 Part 15 Subpart C: 2007 Section 15.209	Yes	No
RF Antenna Conducted Spurious	FCC CFR Title 47 Part 15 Subpart C: 2007 Section 15.247(d)	Yes	No
Radiated Emission Band Edge	FCC CFR Title 47 Part 15 Subpart C: 2007 15.247(d)	Yes	No
Operation Frequency Range of 20dB Bandwidth	FCC CFR Title 47 Part 15 Subpart C: 2007 15.215(c)	Yes	No
Occupied Bandwidth	FCC CFR Title 47 Part 15 Subpart C: 2007 Section 15.247(a)(2)	Yes	No
Power Output	FCC CFR Title 47 Part 15 Subpart C: 2007 Section 15.247(b)(3)	Yes	No
Power Spectral Density	FCC CFR Title 47 Part 15 Subpart C: 2007 Section 15.247(e)	Yes	No

2.2. Test Environment

Items	Required (IEC 68-1)	Actual
Temperature (°C)	15-35	21
Humidity (%RH)	25-75	50
Barometric pressure (mbar)	860-1060	950-1000

3. Conducted Emission

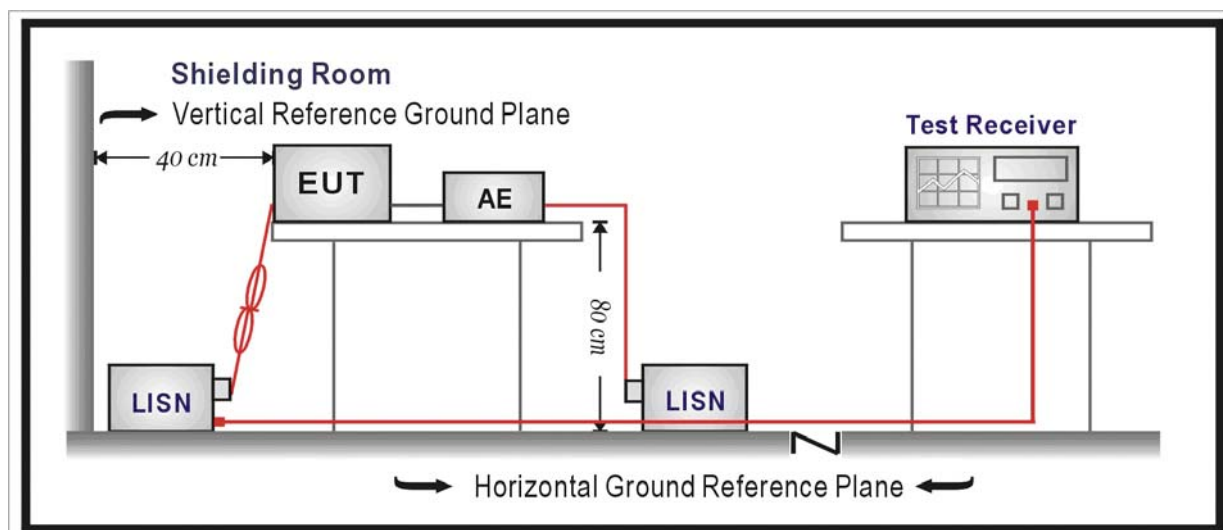
3.1. Test Equipment

Conducted Emission / SR-1

Instrument	Manufacturer	Type No.	Serial No.	Cal. Date
EMI Test Receiver	R&S	ESCI	100726	2008/02/07
Two-Line V-Network	R&S	ENV216	100013	2007/11/15
Two-Line V-Network	R&S	ENV216	100014	2007/11/15
50ohm Coaxial Switch	Anritsu	MP59B	6200464462	2007/11/25
50ohm Termination	SHX	TF2	07081401	2007/10/19
Coaxial Cable	Luthi	RG214	519358	2007/11/25
Temperature/Humidity Meter	zhicheng	ZC1-2	QT-TH004	2008/03/31

Note: All equipments are calibrated with traceable calibrations. Each calibration is traceable to the national or international standards.

3.2. Test Setup



3.3. Limit

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

Note 1: The lower limit shall apply at the transition frequencies.

Note 2: The limit decreases linearly with the logarithm of the frequency in the range 0.15 MHz to 0.5 MHz.

3.4. Test Procedure

The EUT was setup according to ANSI C63.4, 2003 and tested according to DTS test procedure of Oct 2002 KDB558074 for compliance to FCC 47CFR 15.247 requirements. The EUT was placed on a platform of nominal size, 1 m by 1.5 m, raised 80 cm above the conducting ground plane. The vertical conducting plane was located 40 cm to the rear of the EUT. All other surfaces of EUT were at least 80 cm from any other grounded conducting surface. The EUT and simulators are connected to the main power through a line impedance stabilization network (LISN). The LISN provides a 50 ohm /50uH coupling impedance for the measuring equipment. The peripheral devices are also connected to the main power through a LISN. (Please refer to the block diagram of the test setup and photographs)

Each current-carrying conductor of the EUT power cord, except the ground (safety) conductor, was individually connected through a LISN to the input power source.

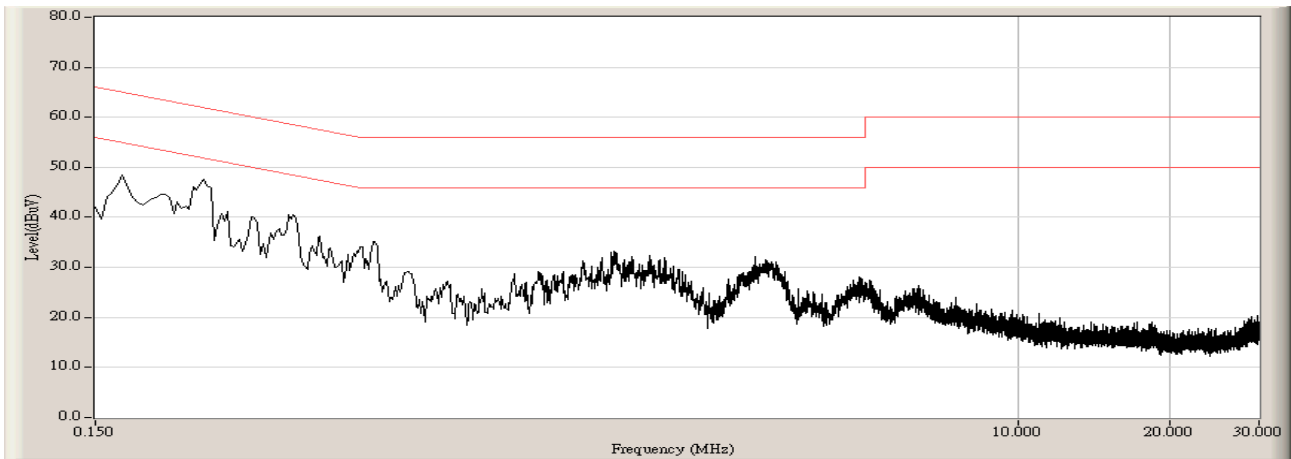
The excess length of the power cord between the EUT and the LISN receptacle were folded back and forth at the center of the lead to form a bundle not exceeding 40 cm in length. Conducted emissions were investigated over the frequency range from 0.15MHz to 30MHz using a receiver bandwidth of 9kHz.

3.5. Uncertainty

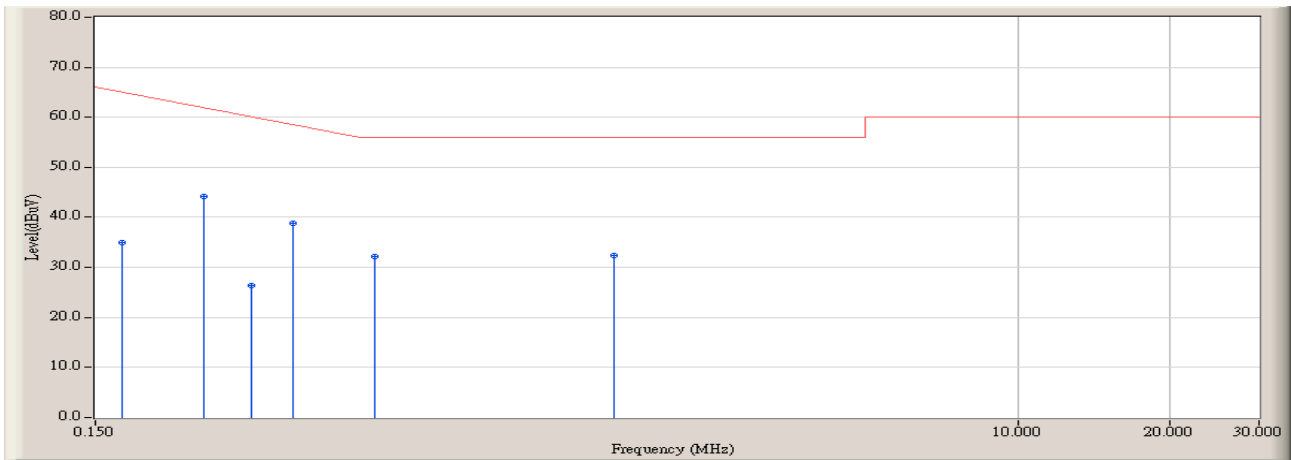
The measurement uncertainty is defined as ± 2.02 dB

3.6. Test Result

Engineer : Marlin	
Site : SR1 (Shielded Room for Conducted Emission and Power Disturbance Test)	Time : 2008/06/30 - 17:47
Limit : FCC_Part15.207_00M_QP	Margin : 10
EUT : Eee PC 701SD	Probe : ENV216_100014(0.009-30MHz) - Line1
Power : AC 120V/60Hz	Note : Mode 1: Transmit by 802.11b at 2437MHz



Engineer : Marlin	
Site : SR1 (Shielded Room for Conducted Emission and Power Disturbance Test)	Time : 2008/06/30 - 17:50
Limit : FCC_Part15.207_00M_QP	Margin : 0
EUT : Eee PC 701SD	Probe : ENV216_100014(0.009-30MHz) - Line1
Power : AC 120V/60Hz	Note : Mode 1: Transmit by 802.11b at 2437MHz

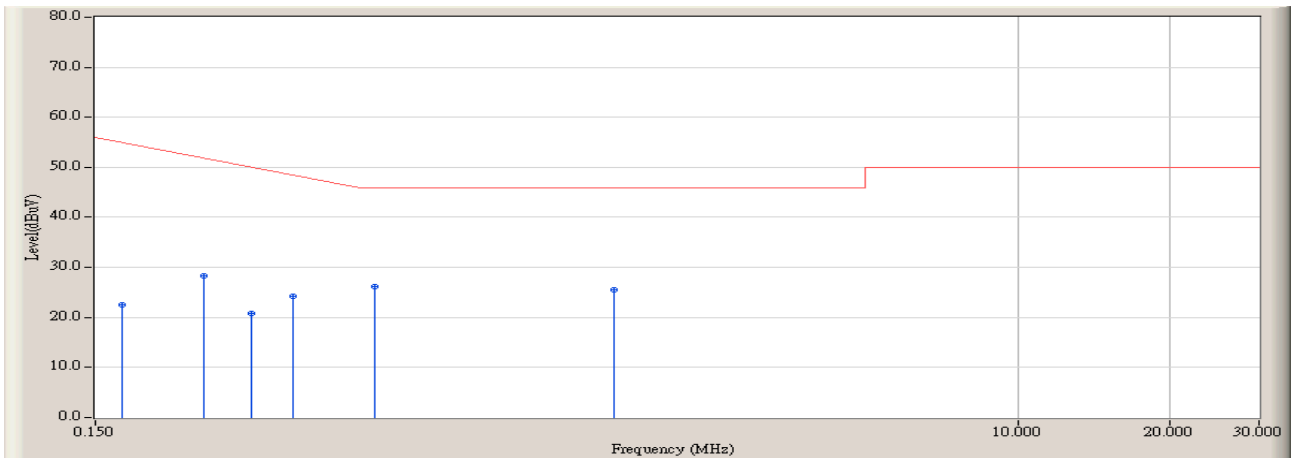


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1		0.170	10.006	24.900	34.906	-30.523	65.429	QUASIPeAK
2	*	0.246	9.458	34.800	44.258	-18.999	63.257	QUASIPeAK
3		0.306	9.508	16.800	26.308	-35.235	61.543	QUASIPeAK
4		0.370	9.551	29.300	38.851	-20.863	59.714	QUASIPeAK
5		0.534	9.635	22.600	32.235	-23.765	56.000	QUASIPeAK
6		1.594	9.702	22.600	32.302	-23.698	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

Engineer : Marlin	
Site : SR1 (Shielded Room for Conducted Emission and Power Disturbance Test)	Time : 2008/06/30 - 17:50
Limit : FCC_Part15.207_00M_AV	Margin : 0
EUT : Eee PC 701SD	Probe : ENV216_100014(0.009-30MHz) - Line1
Power : AC 120V/60Hz	Note : Mode 1: Transmit by 802.11b at 2437MHz

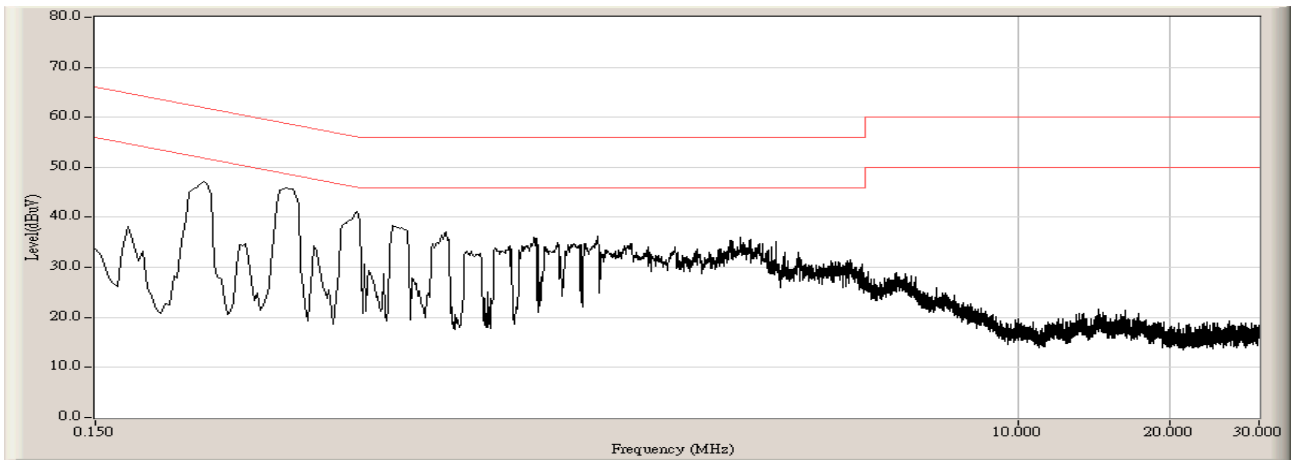


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1		0.170	10.006	12.600	22.606	-32.823	55.429	AVERAGE
2		0.246	9.458	18.900	28.358	-24.899	53.257	AVERAGE
3		0.306	9.508	11.300	20.808	-30.735	51.543	AVERAGE
4		0.370	9.551	14.600	24.151	-25.563	49.714	AVERAGE
5	*	0.534	9.635	16.500	26.135	-19.865	46.000	AVERAGE
6		1.594	9.702	15.800	25.502	-20.498	46.000	AVERAGE

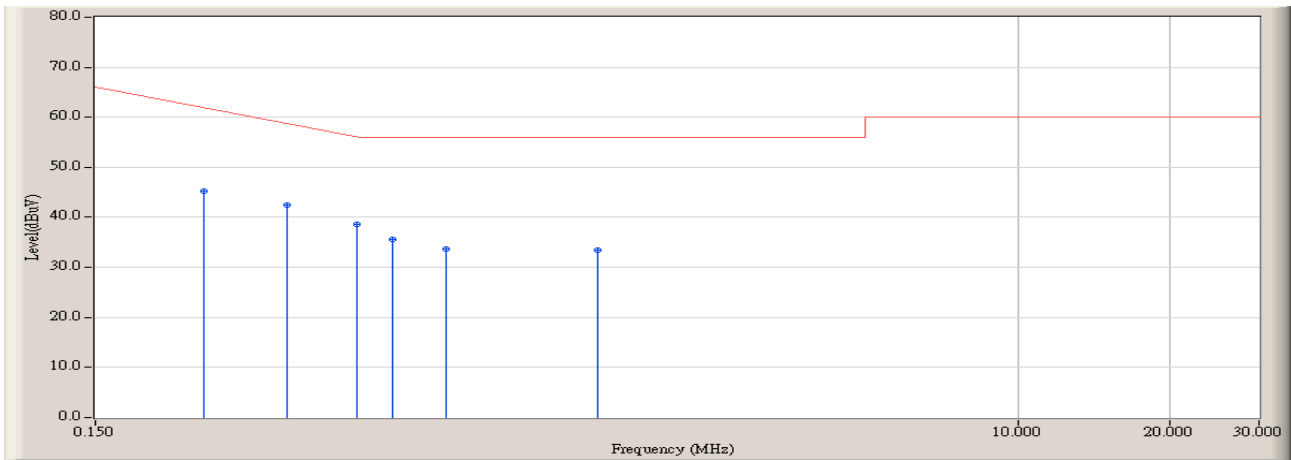
Note:

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

Engineer : Marlin	
Site : SR1 (Shielded Room for Conducted Emission and Power Disturbance Test)	Time : 2008/06/30 - 17:53
Limit : FCC_Part15.207_00M_QP	Margin : 10
EUT : Eee PC 701SD	Probe : ENV216_100014(0.009-30MHz) - Line2
Power : AC 120V/60Hz	Note : Mode 1: Transmit by 802.11b at 2437MHz



Engineer : Marlin	
Site : SR1 (Shielded Room for Conducted Emission and Power Disturbance Test)	Time : 2008/06/30 - 17:55
Limit : FCC_Part15.207_00M_QP	Margin : 0
EUT : Eee PC 701SD	Probe : ENV216_100014(0.009-30MHz) - Line2
Power : AC 120V/60Hz	Note : Mode 1: Transmit by 802.11b at 2437MHz

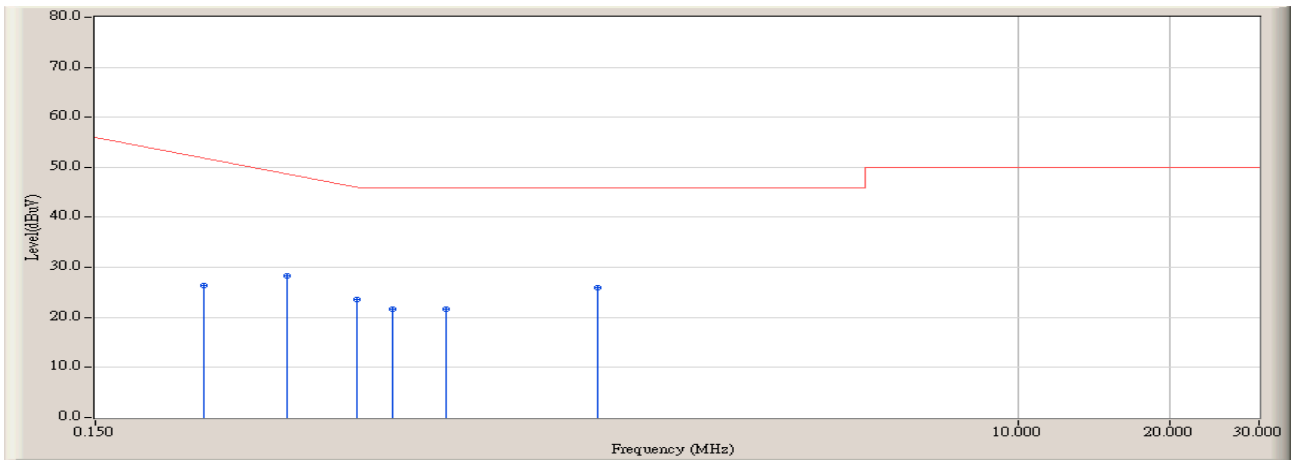


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1		0.246	9.580	35.600	45.180	-18.077	63.257	QUASIPeAK
2	*	0.358	9.606	32.900	42.506	-17.551	60.057	QUASIPeAK
3		0.494	9.622	28.900	38.522	-17.649	56.171	QUASIPeAK
4		0.582	9.687	25.900	35.587	-20.413	56.000	QUASIPeAK
5		0.742	9.770	23.900	33.670	-22.330	56.000	QUASIPeAK
6		1.482	9.729	23.800	33.529	-22.471	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

Engineer : Marlin	
Site : SR1 (Shielded Room for Conducted Emission and Power Disturbance Test)	Time : 2008/06/30 - 17:55
Limit : FCC_Part15.207_00M_AV	Margin : 0
EUT : Eee PC 701SD	Probe : ENV216_100014(0.009-30MHz) - Line2
Power : AC 120V/60Hz	Note : Mode 1: Transmit by 802.11b at 2437MHz

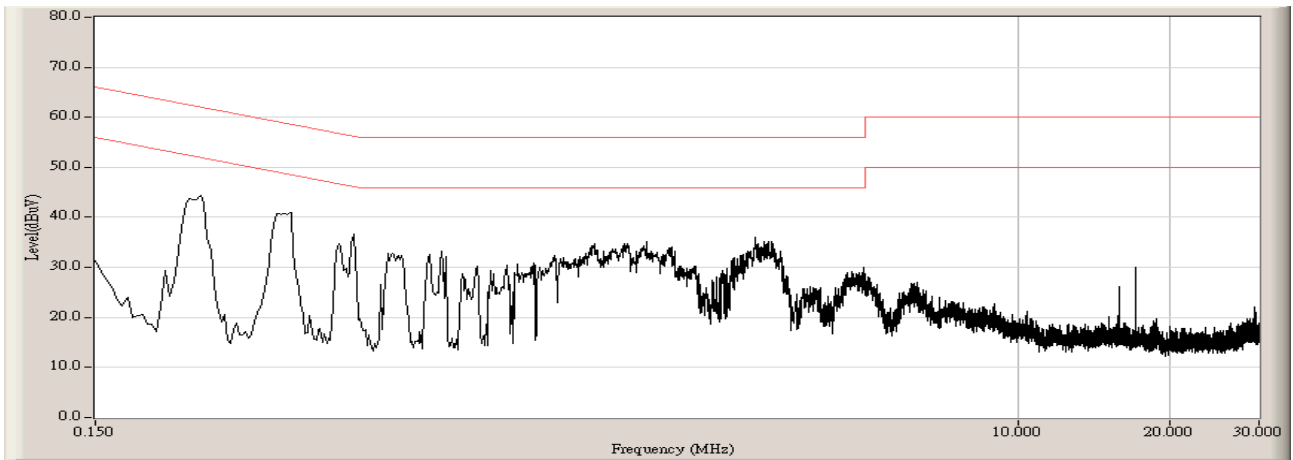


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1		0.246	9.580	16.800	26.380	-26.877	53.257	AVERAGE
2		0.358	9.606	18.600	28.206	-21.851	50.057	AVERAGE
3		0.494	9.622	13.900	23.522	-22.649	46.171	AVERAGE
4		0.582	9.687	11.900	21.587	-24.413	46.000	AVERAGE
5		0.742	9.770	11.800	21.570	-24.430	46.000	AVERAGE
6	*	1.482	9.729	16.200	25.929	-20.071	46.000	AVERAGE

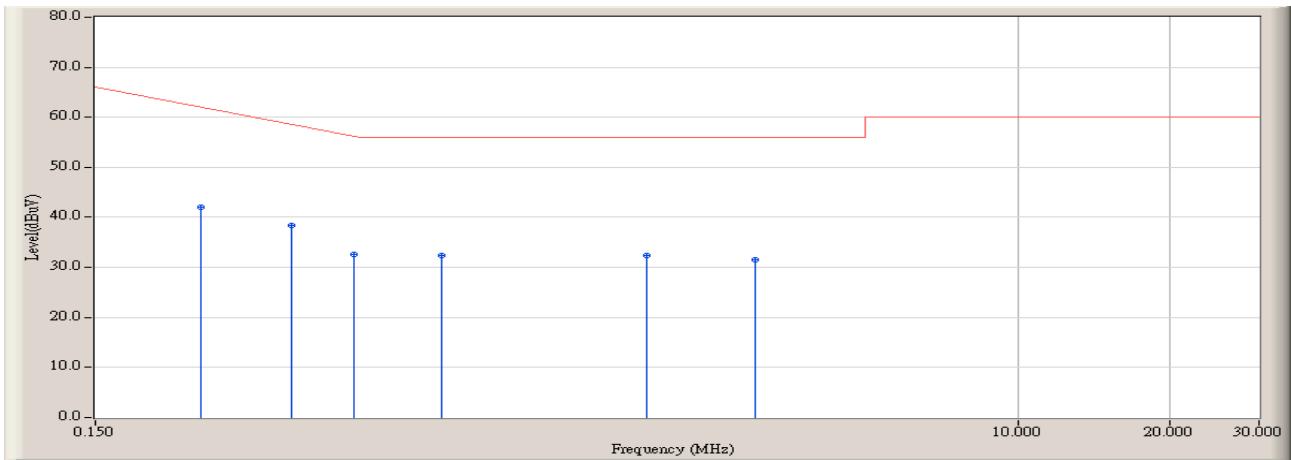
Note:

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

Engineer : Marlin	
Site : SR1 (Shielded Room for Conducted Emission and Power Disturbance Test)	Time : 2008/06/30 - 17:58
Limit : FCC_Part15.207_00M_QP	Margin : 10
EUT : Eee PC 701SD	Probe : ENV216_100014(0.009-30MHz) - Line1
Power : AC 120V/60Hz	Note : Mode 2: Transmit by 802.11g at 2437MHz



Engineer : Marlin	
Site : SR1 (Shielded Room for Conducted Emission and Power Disturbance Test)	Time : 2008/06/30 - 17:59
Limit : FCC_Part15.207_00M_QP	Margin : 0
EUT : Eee PC 701SD	Probe : ENV216_100014(0.009-30MHz) - Line1
Power : AC 120V/60Hz	Note : Mode 2: Transmit by 802.11g at 2437MHz

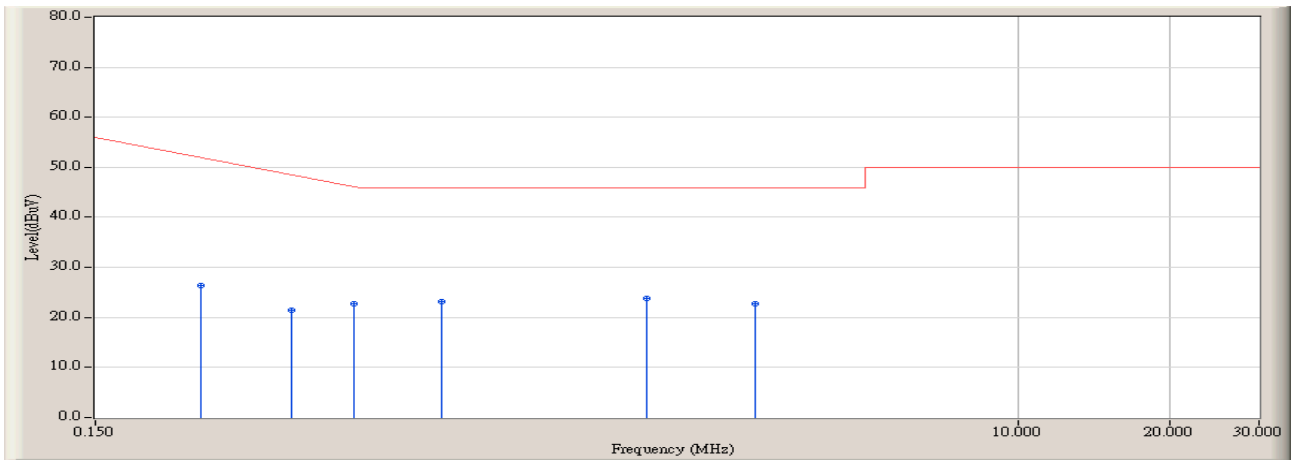


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1	*	0.242	9.455	32.600	42.055	-21.316	63.371	QUASIPeAK
2		0.366	9.548	28.900	38.448	-21.381	59.829	QUASIPeAK
3		0.486	9.618	22.900	32.518	-23.882	56.400	QUASIPeAK
4		0.726	9.680	22.700	32.380	-23.620	56.000	QUASIPeAK
5		1.846	9.690	22.800	32.490	-23.510	56.000	QUASIPeAK
6		3.026	9.756	21.800	31.556	-24.444	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

Engineer : Marlin	
Site : SR1 (Shielded Room for Conducted Emission and Power Disturbance Test)	Time : 2008/06/30 - 17:59
Limit : FCC_Part15.207_00M_AV	Margin : 0
EUT : Eee PC 701SD	Probe : ENV216_100014(0.009-30MHz) - Line1
Power : AC 120V/60Hz	Note : Mode 2: Transmit by 802.11g at 2437MHz

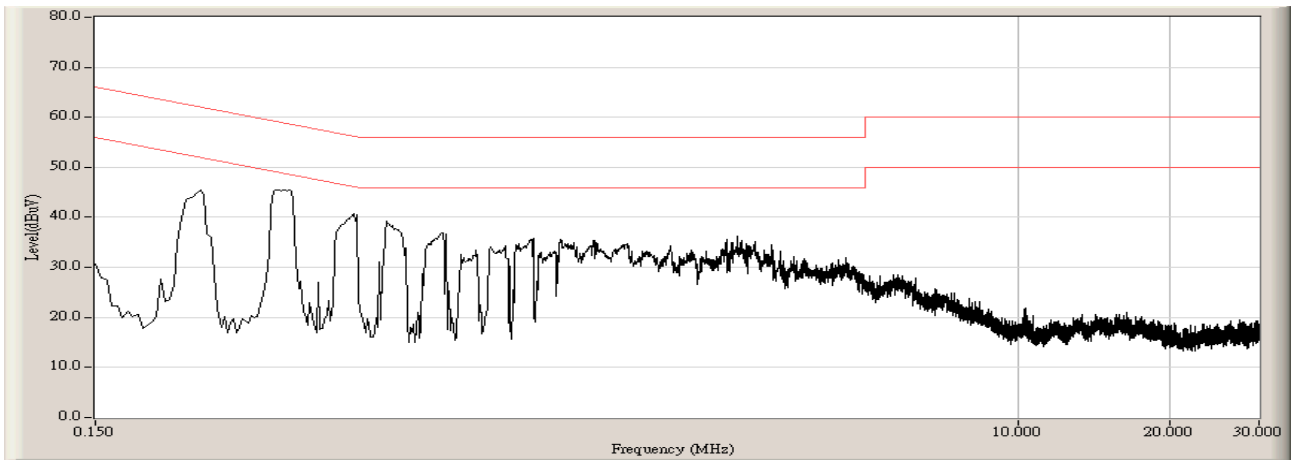


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1		0.242	9.455	16.900	26.355	-27.016	53.371	AVERAGE
2		0.366	9.548	11.900	21.448	-28.381	49.829	AVERAGE
3		0.486	9.618	13.200	22.818	-23.582	46.400	AVERAGE
4		0.726	9.680	13.400	23.080	-22.920	46.000	AVERAGE
5	*	1.846	9.690	14.200	23.890	-22.110	46.000	AVERAGE
6		3.026	9.756	13.000	22.756	-23.244	46.000	AVERAGE

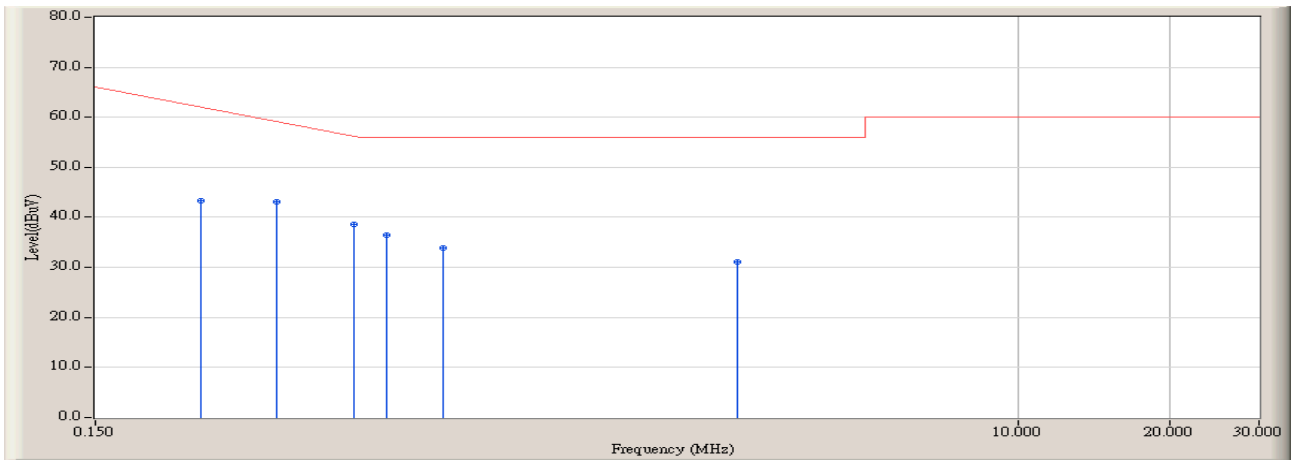
Note:

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

Engineer : Marlin	
Site : SR1 (Shielded Room for Conducted Emission and Power Disturbance Test)	Time : 2008/06/30 - 18:02
Limit : FCC_Part15.207_00M_QP	Margin : 10
EUT : Eee PC 701SD	Probe : ENV216_100014(0.009-30MHz) - Line2
Power : AC 120V/60Hz	Note : Mode 2: Transmit by 802.11g at 2437MHz



Engineer : Marlin	
Site : SR1 (Shielded Room for Conducted Emission and Power Disturbance Test)	Time : 2008/06/30 - 18:04
Limit : FCC_Part15.207_00M_QP	Margin : 0
EUT : Eee PC 701SD	Probe : ENV216_100014(0.009-30MHz) - Line2
Power : AC 120V/60Hz	Note : Mode 2: Transmit by 802.11g at 2437MHz

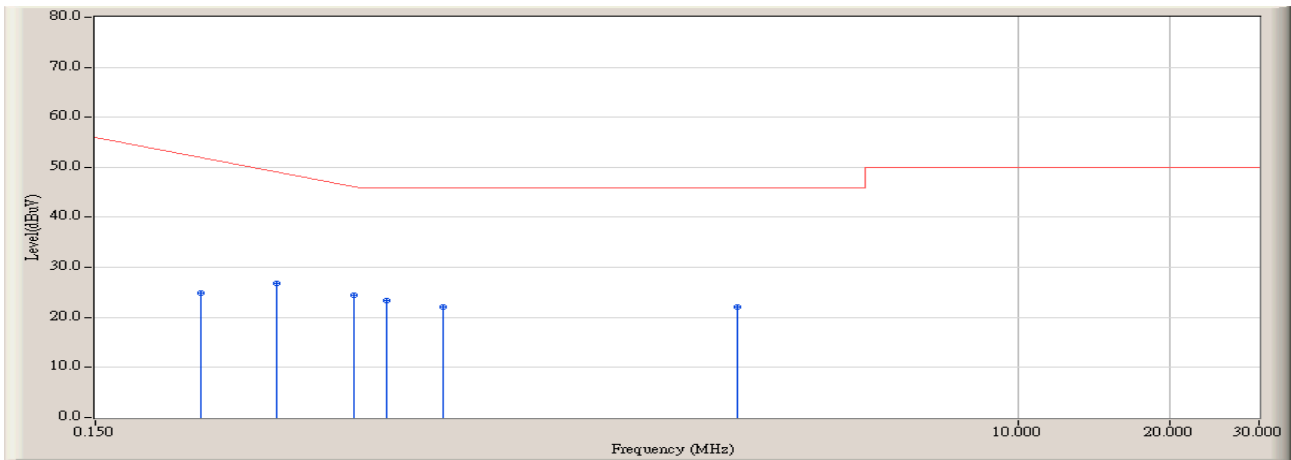


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1		0.242	9.580	33.800	43.380	-19.991	63.371	QUASIPeAK
2	*	0.342	9.601	33.600	43.201	-17.313	60.514	QUASIPeAK
3		0.486	9.620	28.900	38.520	-17.880	56.400	QUASIPeAK
4		0.566	9.667	26.800	36.467	-19.533	56.000	QUASIPeAK
5		0.730	9.770	24.200	33.970	-22.030	56.000	QUASIPeAK
6		2.786	9.680	21.500	31.180	-24.820	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

Engineer : Marlin	
Site : SR1 (Shielded Room for Conducted Emission and Power Disturbance Test)	Time : 2008/06/30 - 18:04
Limit : FCC_Part15.207_00M_AV	Margin : 0
EUT : Eee PC 701SD	Probe : ENV216_100014(0.009-30MHz) - Line2
Power : AC 120V/60Hz	Note : Mode 2: Transmit by 802.11g at 2437MHz



		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1		0.242	9.580	15.200	24.780	-28.591	53.371	AVERAGE
2		0.342	9.601	17.200	26.801	-23.713	50.514	AVERAGE
3	*	0.486	9.620	14.800	24.420	-21.980	46.400	AVERAGE
4		0.566	9.667	13.800	23.467	-22.533	46.000	AVERAGE
5		0.730	9.770	12.400	22.170	-23.830	46.000	AVERAGE
6		2.786	9.680	12.400	22.080	-23.920	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

4. Radiated Emission

4.1. Test Equipment

Radiated Emission / AC-2

Instrument	Manufacturer	Type No.	Serial No.	Cal. Date
Spectrum Analyzer	Agilent	E4408B	MY45102679	2007/11/12
EMI Test Receiver	R&S	ESCI	100573	2008/05/10
Preamplifier	Quietek	AP-025C	QT-AP003	2007/11/25
Preamplifier	Quietek	AP-180C	CHM-0602012	2007/11/25
Bilog Type Antenna	Schaffner	CBL6112B	2932	2007/11/22
Broad-Band Horn Antenna	Schwarzbeck	BBHA9120D	496	2007/11/25
High-Pass Filter	Wainwright	WHKX2.8/18G-12SS	SN1	2008/03/03
Band Reject Filter	Wainwright	WRCG2400/2485-2375 /2510-60/11SS	SN9	2008/03/03
High-Pass Filter	Wainwright	WHKX7.0/18G-8SS	SN16	2008/03/03
Low-Pass Filter	Wainwright	WLKS4500-9SS	SN2	2008/03/03
50ohm Coaxial Switch	Anritsu	MP59B	6200447304	2007/11/25
Coaxial Cable	Huber+Suhner	AC2-C	04	2007/11/25
Temperature/Humidity Meter	zhicheng	ZC1-2	QT-TH002	2008/03/31

Radiated Emission / AC-3

Instrument	Manufacturer	Type No.	Serial No.	Cal. Date
Spectrum Analyzer	Agilent	N9010A	MY48030494	2008/04/24
EMI Test Receiver	R&S	ESCI	100176	2007/11/15
Preamplifier	Quietek	AP-025C	QT-AP004	2007/11/25
Preamplifier	Quietek	AP-180C	CHM-0602012	2007/11/25
Bilog Type Antenna	Schaffner	CBL6112D	22254	2007/11/22
Broad-Band Horn Antenna	Schwarzbeck	BBHA9120D	496	2007/11/25
High-Pass Filter	Wainwright	WHKX2.8/18G-12SS	SN1	2008/03/03
Band Reject Filter	Wainwright	WRCG2400/2485-2375 /2510-60/11SS	SN9	2008/03/03
High-Pass Filter	Wainwright	WHKX7.0/18G-8SS	SN16	2008/03/03
Low-Pass Filter	Wainwright	WLKS4500-9SS	SN2	2008/03/03
50ohm Coaxial Switch	Anritsu	MP59B	6200464463	2007/11/25
Coaxial Cable	Huber+Suhner	AC2-C	05	2007/11/25

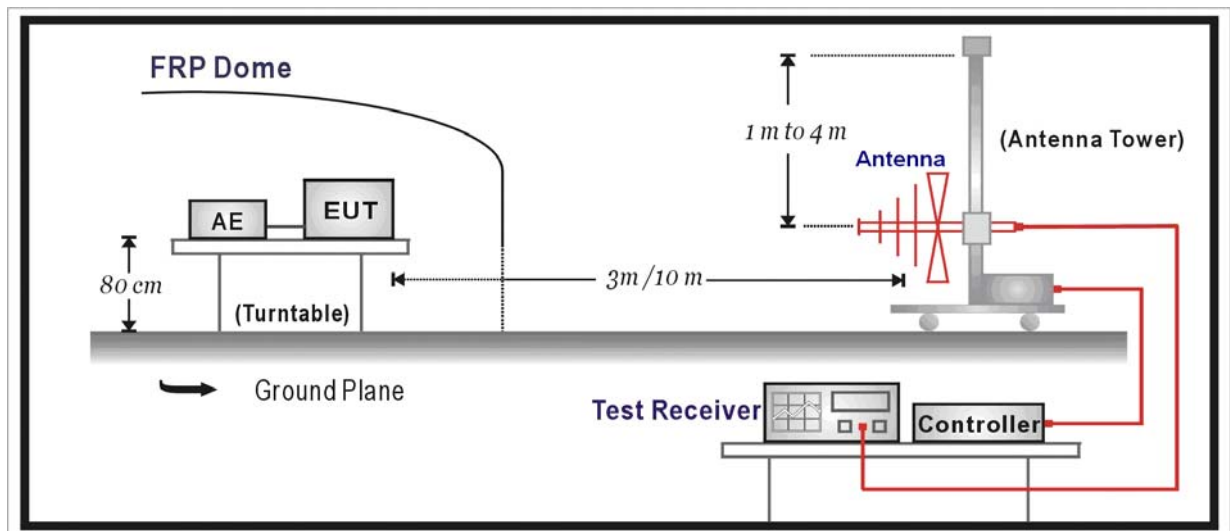
Temperature/Humidity Meter	zhicheng	ZC1-2	QT-TH003	2008/03/31
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Note 1: All equipments are calibrated with traceable calibrations. Each calibration is traceable to the national or international standards.

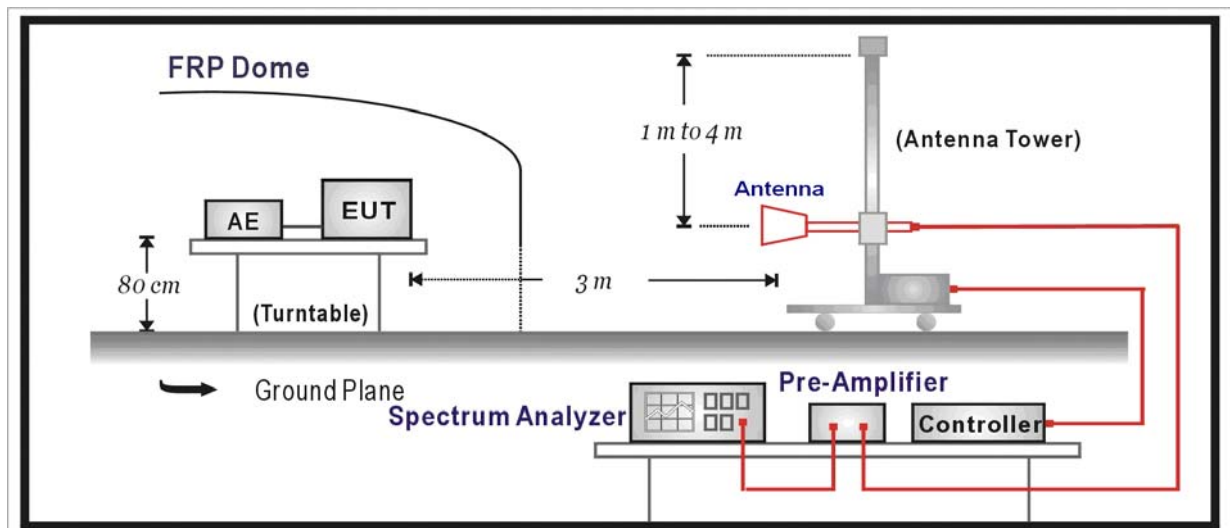
Note 2: The test instruments marked with "X" are used to measure the final test results.

4.2. Test Setup

Under 1GHz Test Setup:



Above 1GHz Test Setup:



4.3. Limit

FCC Part 15 Subpart C Paragraph 15.209		
Frequency (MHz)	Distance (m)	Level (dBuV/m)
30 - 88	3	40
88 - 216	3	43.5
216 - 960	3	46
Above 960	3	54

Note 1: The lower limit shall apply at the transition frequency.

Note 2: Distance refers to the distance in meters between the measuring instrument antenna and the closed point of any part of the device or system.

Note 3: 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 Oct 2002 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.

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

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

Note: When measurement above 1GHz, the horn antenna will bend down a little (as horn antenna have the narrow beamwidth) in order to find the maximum emission of EUT.

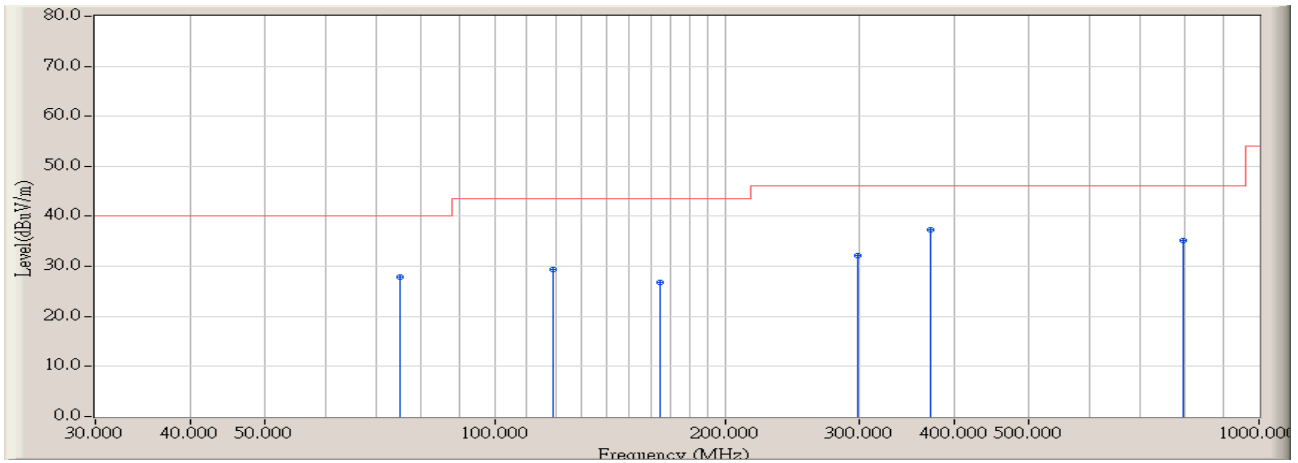
4.5. Uncertainty

The measurement uncertainty above 1G is defined as ± 3.9 dB

below 1G is defined as ± 3.8 dB

4.6. Test Result

Engineer : Marlin	
Site : AC2 (3m Semi-Anechoic Chamber)	Time : 2008/06/30 - 11:14
Limit : FCC_SpartC_15.209_03M_QP	Margin : 0
EUT : Eee PC (M/N: Eee PC 701SD)	Probe : CBL6141A_4278(30-2000MHz) - HORIZONTAL
Power : AC 120V/60Hz	Note : Mode 1: Transmit by 802.11b at 2412MHz

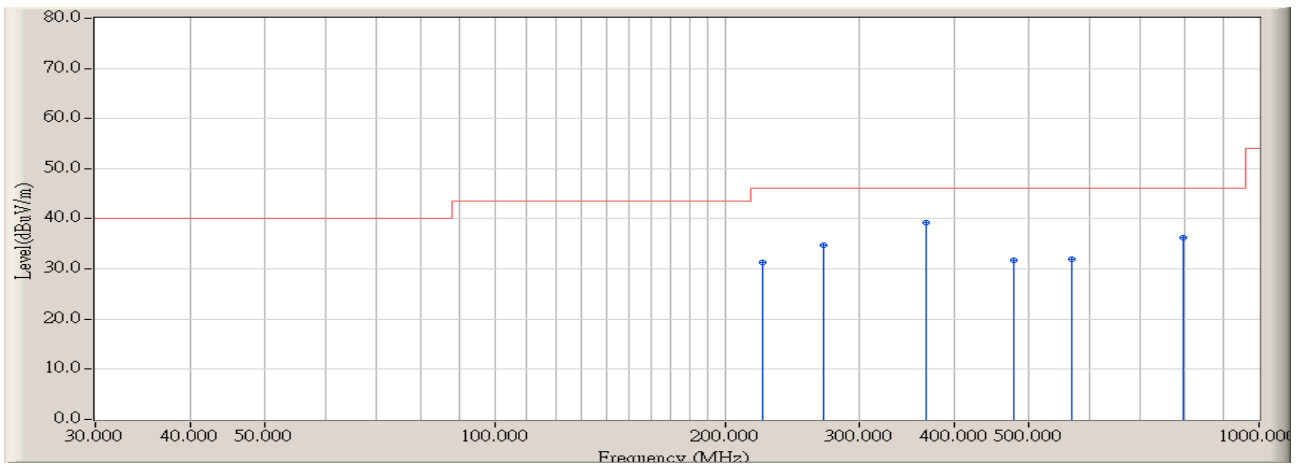


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type	Ant Pos (cm)	Table Pos (deg)
1	75.200	-14.252	42.100	27.848	-12.152	40.000	QUASIPeAK	168.000	62.000
2	118.900	-10.139	39.619	29.479	-14.041	43.520	QUASIPeAK	124.000	104.000
3	164.100	-10.202	36.980	26.777	-16.743	43.520	QUASIPeAK	132.000	16.000
4	298.300	-8.021	40.292	32.271	-13.749	46.020	QUASIPeAK	139.000	194.000
5	* 371.100	-6.012	43.299	37.287	-8.733	46.020	QUASIPeAK	150.000	216.000
6	796.300	1.330	33.779	35.109	-10.911	46.020	QUASIPeAK	142.000	176.000

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

Engineer : Marlin	
Site : AC2 (3m Semi-Anechoic Chamber)	Time : 2008/06/30 - 11:14
Limit : FCC_SpartC_15.209_03M_QP	Margin : 0
EUT : Eee PC (M/N: Eee PC 701SD)	Probe : CBL6141A_4278(30-2000MHz) - VERTICAL
Power : AC 120V/60Hz	Note : Mode 1: Transmit by 802.11b at 2412MHz

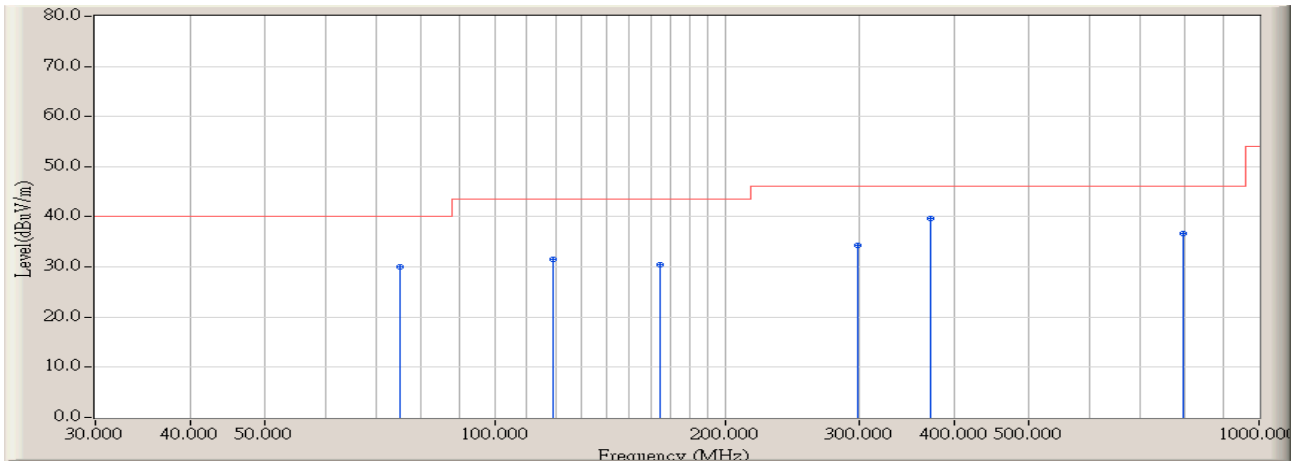


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type	Ant Pos (cm)	Table Pos (deg)
1	224.000	-8.608	39.960	31.352	-14.668	46.020	QUASIPeAK	100.000	92.000
2	269.200	-8.533	43.285	34.752	-11.268	46.020	QUASIPeAK	102.000	64.000
3	* 366.200	-6.063	45.410	39.347	-6.673	46.020	QUASIPeAK	100.000	104.000
4	477.800	-3.704	35.358	31.654	-14.366	46.020	QUASIPeAK	100.000	164.000
5	569.900	-1.422	33.402	31.980	-14.040	46.020	QUASIPeAK	108.000	180.000
6	796.300	1.330	34.991	36.321	-9.699	46.020	QUASIPeAK	104.000	322.000

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

Engineer : Marlin	
Site : AC2 (3m Semi-Anechoic Chamber)	Time : 2008/06/30 - 11:15
Limit : FCC_SpartC_15.209_03M_QP	Margin : 0
EUT : Eee PC (M/N: Eee PC 701SD)	Probe : CBL6141A_4278(30-2000MHz) - HORIZONTAL
Power : AC 120V/60Hz	Note : Mode 1: Transmit by 802.11b at 2437MHz

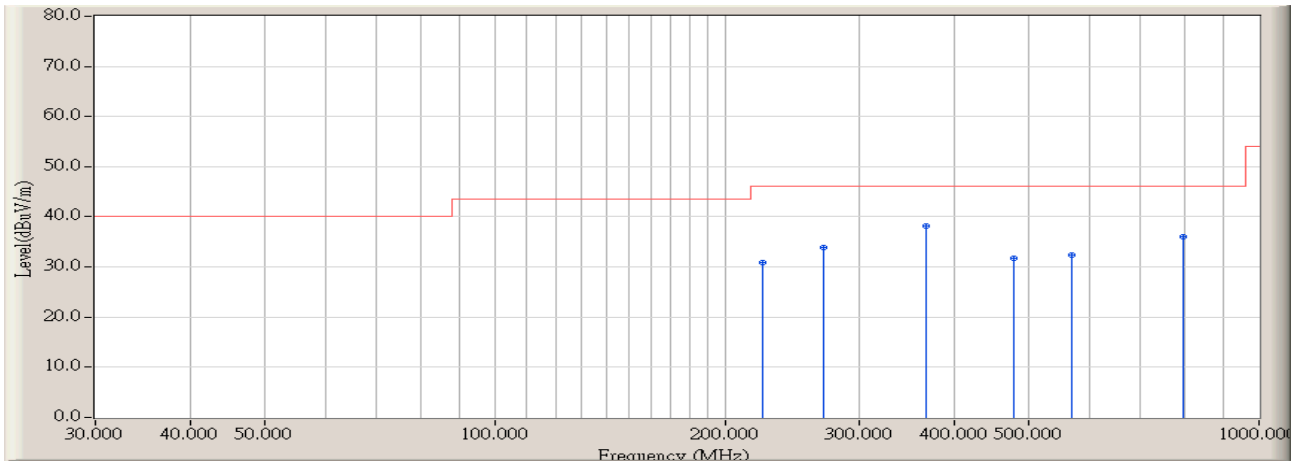


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type	Ant Pos (cm)	Table Pos (deg)
1	75.200	-14.252	44.200	29.948	-10.052	40.000	QUASIPeAK	168.000	62.000
2	118.900	-10.139	41.719	31.579	-11.941	43.520	QUASIPeAK	124.000	104.000
3	164.200	-10.202	40.680	30.477	-13.043	43.520	QUASIPeAK	132.000	16.000
4	298.300	-8.021	42.392	34.371	-11.649	46.020	QUASIPeAK	139.000	194.000
5	* 371.100	-6.012	45.699	39.687	-6.333	46.020	QUASIPeAK	150.000	216.000
6	796.300	1.330	35.279	36.609	-9.411	46.020	QUASIPeAK	142.000	176.000

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

Engineer : Marlin	
Site : AC2 (3m Semi-Anechoic Chamber)	Time : 2008/06/30 - 11:16
Limit : FCC_SpartC_15.209_03M_QP	Margin : 0
EUT : Eee PC (M/N: Eee PC 701SD)	Probe : CBL6141A_4278(30-2000MHz) - VERTICAL
Power : AC 120V/60Hz	Note : Mode 1: Transmit by 802.11b at 2437MHz

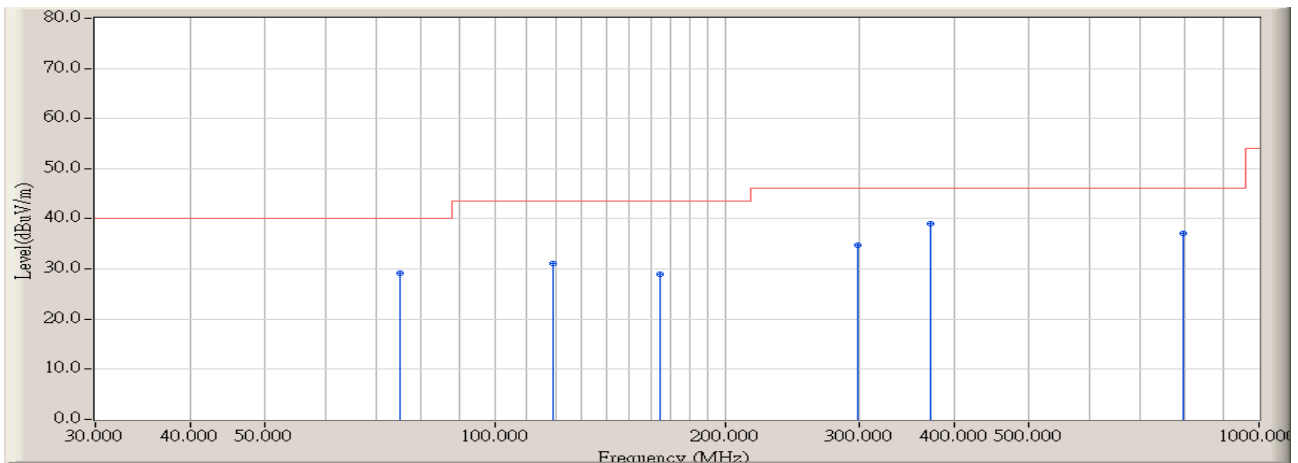


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type	Ant Pos (cm)	Table Pos (deg)
1	224.000	-8.608	39.460	30.852	-15.168	46.020	QUASIPeAK	100.000	92.000
2	269.200	-8.533	42.385	33.852	-12.168	46.020	QUASIPeAK	102.000	64.000
3	* 366.200	-6.063	44.310	38.247	-7.773	46.020	QUASIPeAK	100.000	104.000
4	477.800	-3.704	35.358	31.654	-14.366	46.020	QUASIPeAK	100.000	164.000
5	569.900	-1.422	33.902	32.480	-13.540	46.020	QUASIPeAK	108.000	180.000
6	796.300	1.330	34.791	36.121	-9.899	46.020	QUASIPeAK	104.000	322.000

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

Engineer : Marlin	
Site : AC2 (3m Semi-Anechoic Chamber)	Time : 2008/06/30 - 11:16
Limit : FCC_SpartC_15.209_03M_QP	Margin : 0
EUT : Eee PC (M/N: Eee PC 701SD)	Probe : CBL6141A_4278(30-2000MHz) - HORIZONTAL
Power : AC 120V/60Hz	Note : Mode 1: Transmit by 802.11b at 2462MHz

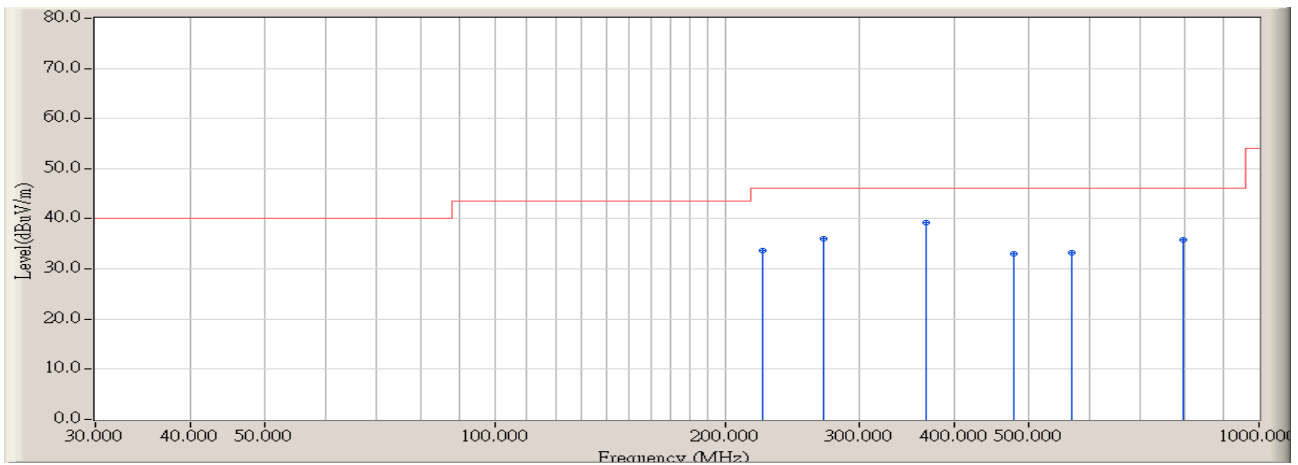


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type	Ant Pos (cm)	Table Pos (deg)
1	75.200	-14.252	43.500	29.248	-10.752	40.000	QUASIPeAK	168.000	62.000
2	118.900	-10.139	41.219	31.079	-12.441	43.520	QUASIPeAK	124.000	104.000
3	164.200	-10.202	39.080	28.877	-14.643	43.520	QUASIPeAK	132.000	16.000
4	298.300	-8.021	42.692	34.671	-11.349	46.020	QUASIPeAK	139.000	194.000
5	* 371.100	-6.012	44.999	38.987	-7.033	46.020	QUASIPeAK	150.000	216.000
6	796.300	1.330	35.779	37.109	-8.911	46.020	QUASIPeAK	142.000	176.000

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

Engineer : Marlin	
Site : AC2 (3m Semi-Anechoic Chamber)	Time : 2008/06/30 - 11:16
Limit : FCC_SpartC_15.209_03M_QP	Margin : 0
EUT : Eee PC (M/N: Eee PC 701SD)	Probe : CBL6141A_4278(30-2000MHz) - VERTICAL
Power : AC 120V/60Hz	Note : Mode 1: Transmit by 802.11b at 2462MHz

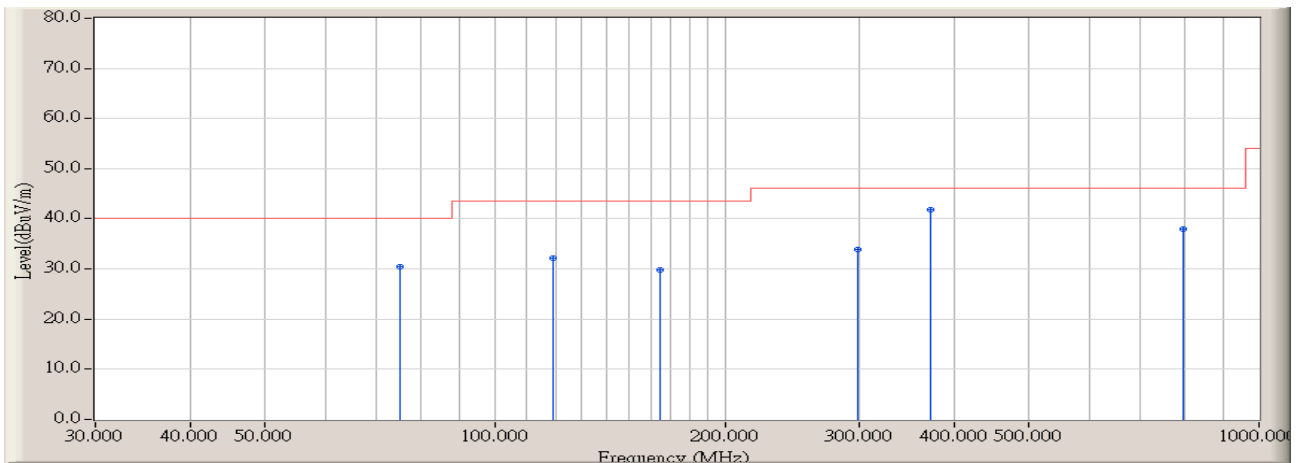


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type	Ant Pos (cm)	Table Pos (deg)
1	224.000	-8.608	42.260	33.652	-12.368	46.020	QUASIPeAK	100.000	92.000
2	269.200	-8.533	44.485	35.952	-10.068	46.020	QUASIPeAK	102.000	64.000
3	* 366.200	-6.063	45.410	39.347	-6.673	46.020	QUASIPeAK	100.000	104.000
4	477.800	-3.704	36.758	33.054	-12.966	46.020	QUASIPeAK	100.000	164.000
5	569.900	-1.422	34.702	33.280	-12.740	46.020	QUASIPeAK	108.000	180.000
6	796.300	1.330	34.391	35.721	-10.299	46.020	QUASIPeAK	104.000	322.000

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

Engineer : Marlin	
Site : AC2 (3m Semi-Anechoic Chamber)	Time : 2008/06/30 - 11:19
Limit : FCC_SpartC_15.209_03M_QP	Margin : 0
EUT : Eee PC (M/N: Eee PC 701SD)	Probe : CBL6141A_4278(30-2000MHz) - HORIZONTAL
Power : AC 120V/60Hz	Note : Mode 2: Transmit by 802.11g at 2412MHz

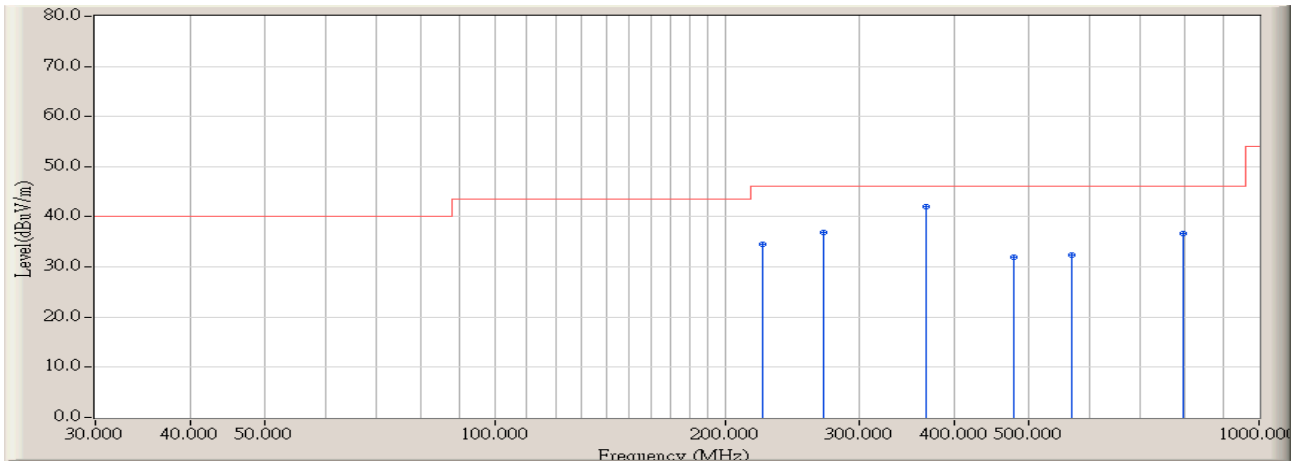


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type	Ant Pos (cm)	Table Pos (deg)
1	75.200	-14.252	44.800	30.548	-9.452	40.000	QUASIPeAK	168.000	62.000
2	118.900	-10.139	42.219	32.079	-11.441	43.520	QUASIPeAK	124.000	104.000
3	164.200	-10.202	40.080	29.877	-13.643	43.520	QUASIPeAK	132.000	16.000
4	298.300	-8.021	41.992	33.971	-12.049	46.020	QUASIPeAK	139.000	194.000
5	* 371.200	-6.012	47.799	41.787	-4.233	46.020	QUASIPeAK	150.000	216.000
6	796.300	1.330	36.579	37.909	-8.111	46.020	QUASIPeAK	142.000	176.000

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

Engineer : Marlin	
Site : AC2 (3m Semi-Anechoic Chamber)	Time : 2008/06/30 - 11:19
Limit : FCC_SpartC_15.209_03M_QP	Margin : 0
EUT : Eee PC (M/N: Eee PC 701SD)	Probe : CBL6141A_4278(30-2000MHz) - VERTICAL
Power : AC 120V/60Hz	Note : Mode 2: Transmit by 802.11g at 2412MHz

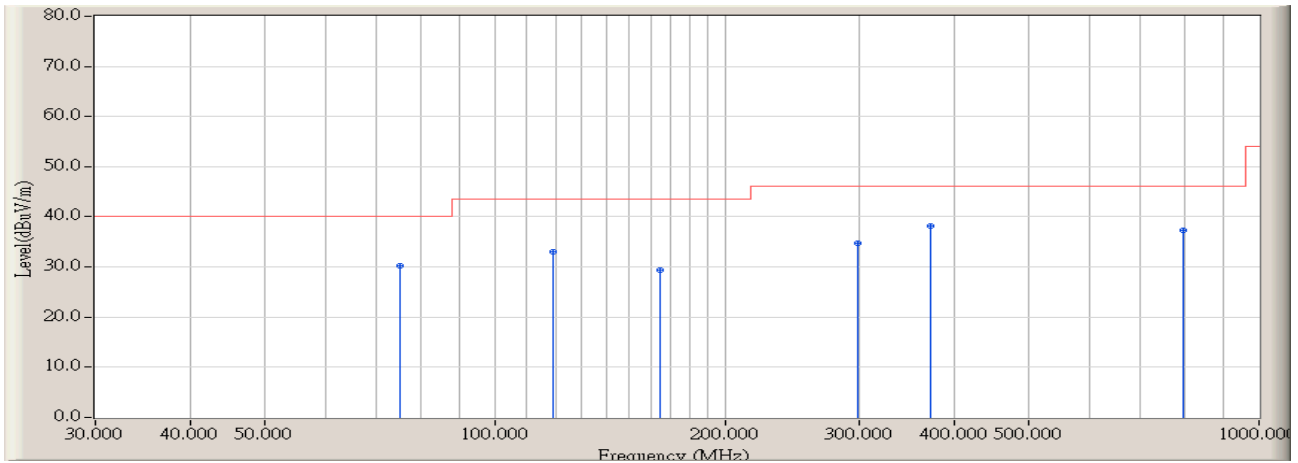


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type	Ant Pos (cm)	Table Pos (deg)
1	224.000	-8.608	43.060	34.452	-11.568	46.020	QUASIPeAK	100.000	92.000
2	269.200	-8.533	45.385	36.852	-9.168	46.020	QUASIPeAK	102.000	64.000
3	* 366.200	-6.063	48.010	41.947	-4.073	46.020	QUASIPeAK	100.000	104.000
4	477.800	-3.704	35.658	31.954	-14.066	46.020	QUASIPeAK	100.000	164.000
5	569.900	-1.422	33.902	32.480	-13.540	46.020	QUASIPeAK	108.000	180.000
6	796.300	1.330	35.391	36.721	-9.299	46.020	QUASIPeAK	104.000	322.000

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

Engineer : Marlin	
Site : AC2 (3m Semi-Anechoic Chamber)	Time : 2008/06/30 - 11:19
Limit : FCC_SpartC_15.209_03M_QP	Margin : 0
EUT : Eee PC (M/N: Eee PC 701SD)	Probe : CBL6141A_4278(30-2000MHz) - HORIZONTAL
Power : AC 120V/60Hz	Note : Mode 2: Transmit by 802.11g at 2437MHz

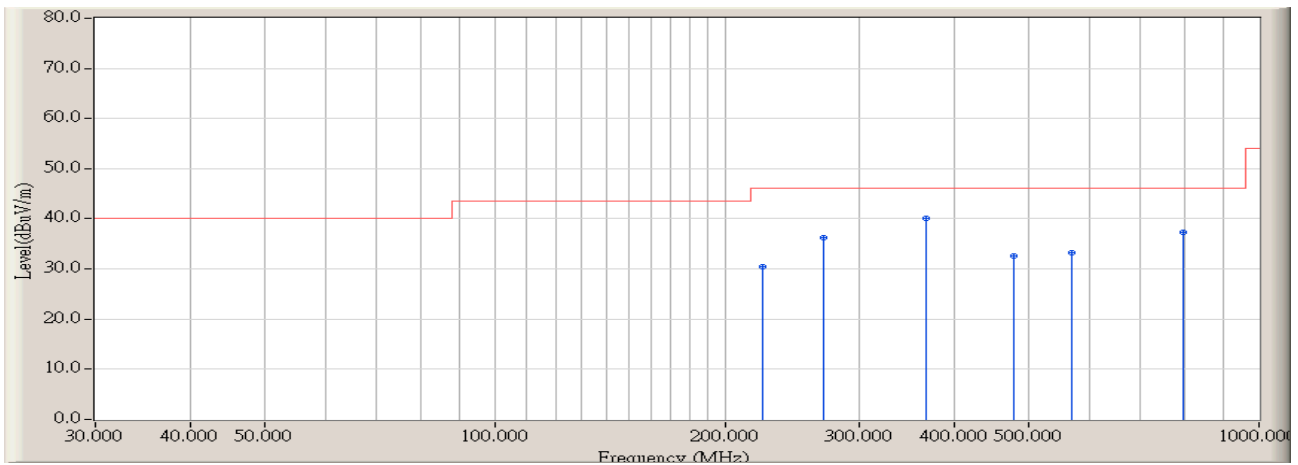


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type	Ant Pos (cm)	Table Pos (deg)
1	75.200	-14.252	44.600	30.348	-9.652	40.000	QUASIPeAK	168.000	62.000
2	118.900	-10.139	43.219	33.079	-10.441	43.520	QUASIPeAK	124.000	104.000
3	164.100	-10.202	39.680	29.477	-14.043	43.520	QUASIPeAK	132.000	16.000
4	298.300	-8.021	42.692	34.671	-11.349	46.020	QUASIPeAK	139.000	194.000
5	* 371.100	-6.012	44.199	38.187	-7.833	46.020	QUASIPeAK	150.000	216.000
6	796.300	1.330	35.979	37.309	-8.711	46.020	QUASIPeAK	142.000	176.000

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

Engineer : Marlin	
Site : AC2 (3m Semi-Anechoic Chamber)	Time : 2008/06/30 - 11:19
Limit : FCC_SpartC_15.209_03M_QP	Margin : 0
EUT : Eee PC (M/N: Eee PC 701SD)	Probe : CBL6141A_4278(30-2000MHz) - VERTICAL
Power : AC 120V/60Hz	Note : Mode 2: Transmit by 802.11g at 2437MHz

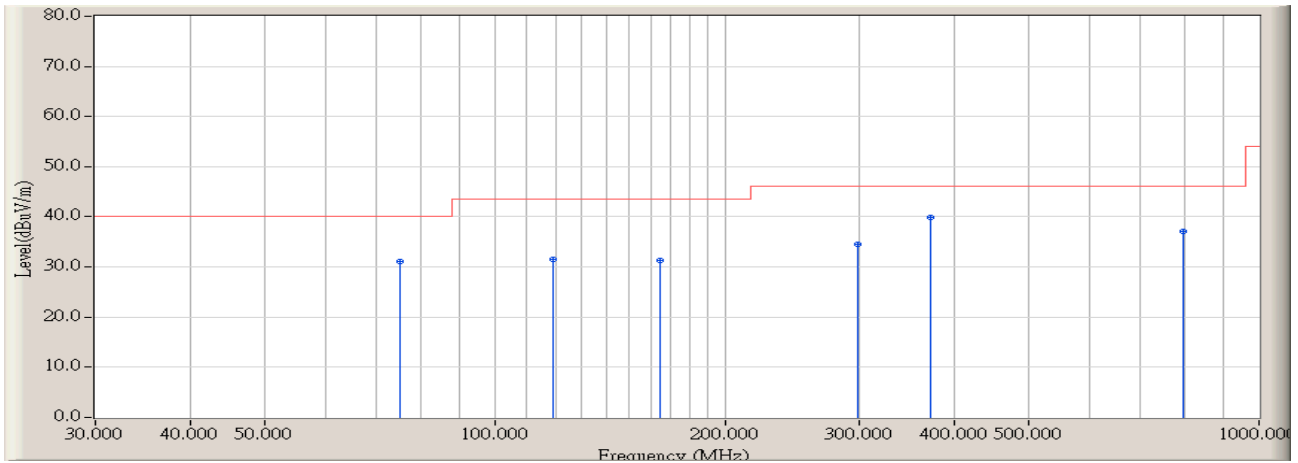


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type	Ant Pos (cm)	Table Pos (deg)
1	224.000	-8.608	39.060	30.452	-15.568	46.020	QUASIPeAK	100.000	92.000
2	269.200	-8.533	44.885	36.352	-9.668	46.020	QUASIPeAK	102.000	64.000
3	* 366.200	-6.063	46.110	40.047	-5.973	46.020	QUASIPeAK	100.000	104.000
4	477.800	-3.704	36.358	32.654	-13.366	46.020	QUASIPeAK	100.000	164.000
5	569.900	-1.422	34.602	33.180	-12.840	46.020	QUASIPeAK	108.000	180.000
6	796.300	1.330	35.891	37.221	-8.799	46.020	QUASIPeAK	104.000	322.000

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

Engineer : Marlin	
Site : AC2 (3m Semi-Anechoic Chamber)	Time : 2008/06/30 - 11:19
Limit : FCC_SpartC_15.209_03M_QP	Margin : 0
EUT : Eee PC (M/N: Eee PC 701SD)	Probe : CBL6141A_4278(30-2000MHz) - HORIZONTAL
Power : AC 120V/60Hz	Note : Mode 2: Transmit by 802.11g at 2462MHz

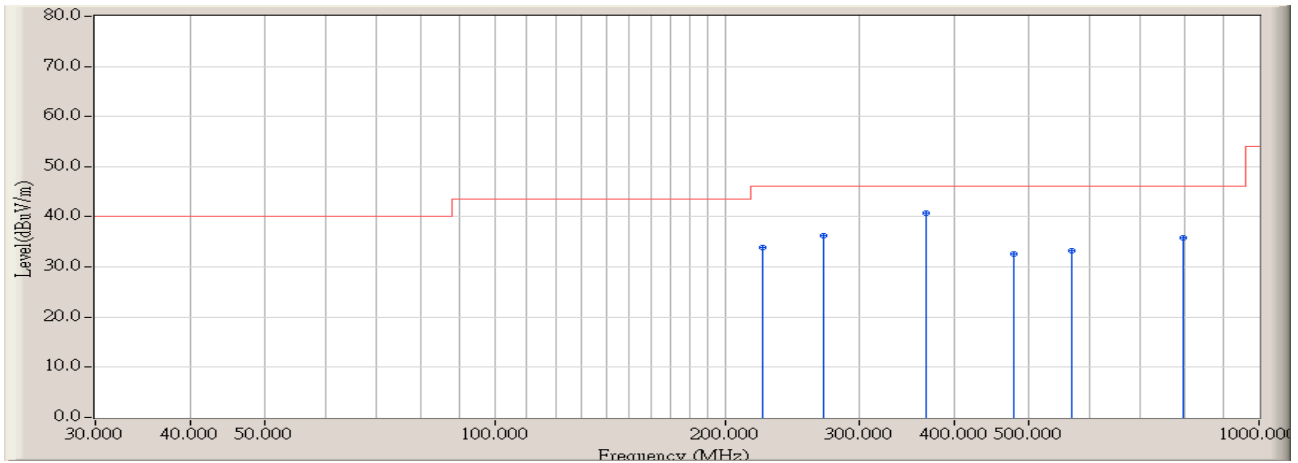


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type	Ant Pos (cm)	Table Pos (deg)
1	75.200	-14.252	45.400	31.148	-8.852	40.000	QUASIPeAK	168.000	62.000
2	118.900	-10.139	41.719	31.579	-11.941	43.520	QUASIPeAK	124.000	104.000
3	164.100	-10.202	41.480	31.277	-12.243	43.520	QUASIPeAK	132.000	16.000
4	298.300	-8.021	42.592	34.571	-11.449	46.020	QUASIPeAK	139.000	194.000
5	* 371.200	-6.012	45.999	39.987	-6.033	46.020	QUASIPeAK	150.000	216.000
6	796.300	1.330	35.679	37.009	-9.011	46.020	QUASIPeAK	142.000	176.000

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

Engineer : Marlin	
Site : AC2 (3m Semi-Anechoic Chamber)	Time : 2008/06/30 - 11:19
Limit : FCC_SpartC_15.209_03M_QP	Margin : 0
EUT : Eee PC (M/N: Eee PC 701SD)	Probe : CBL6141A_4278(30-2000MHz) - VERTICAL
Power : AC 120V/60Hz	Note : Mode 2: Transmit by 802.11g at 2462MHz

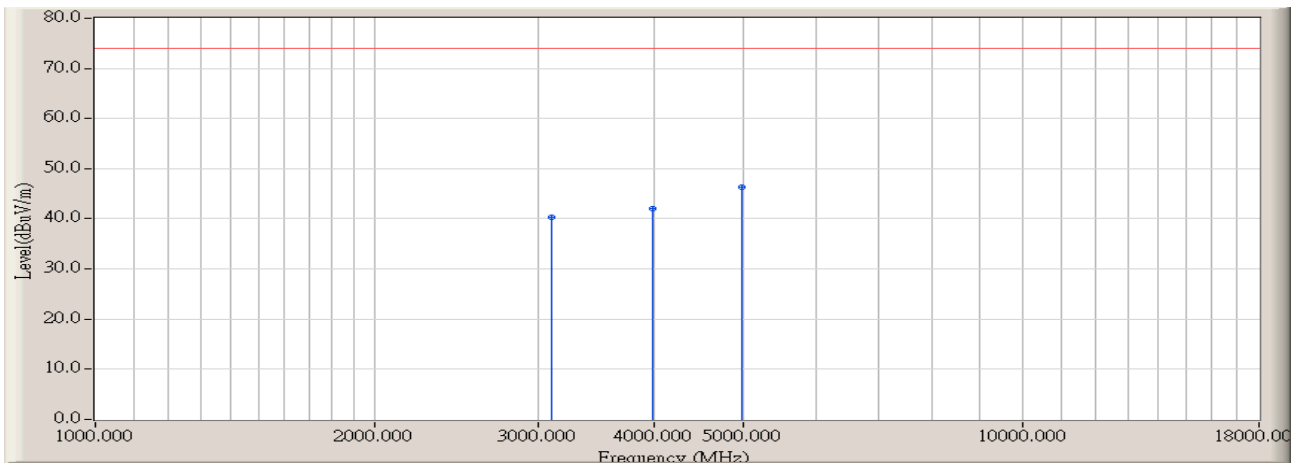


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type	Ant Pos (cm)	Table Pos (deg)
1	224.000	-8.608	42.460	33.852	-12.168	46.020	QUASIPeAK	100.000	92.000
2	269.200	-8.533	44.685	36.152	-9.868	46.020	QUASIPeAK	102.000	64.000
3	* 366.200	-6.063	46.710	40.647	-5.373	46.020	QUASIPeAK	100.000	104.000
4	477.800	-3.704	36.258	32.554	-13.466	46.020	QUASIPeAK	100.000	164.000
5	569.900	-1.422	34.602	33.180	-12.840	46.020	QUASIPeAK	108.000	180.000
6	796.300	1.330	34.591	35.921	-10.099	46.020	QUASIPeAK	104.000	322.000

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

Engineer : Marlin	
Site : AC2 (3m Semi-Anechoic Chamber)	Time : 2008/06/30 - 10:49
Limit : FCC_SpartC_15.209_03M_PK	Margin : 0
EUT : Eee PC (M/N: Eee PC 701SD)	Probe : BBHA9120D_499(1-18GHz) - HORIZONTAL
Power : AC 120V/60Hz	Note : Mode 1: Transmit by 802.11b at 2412MHz

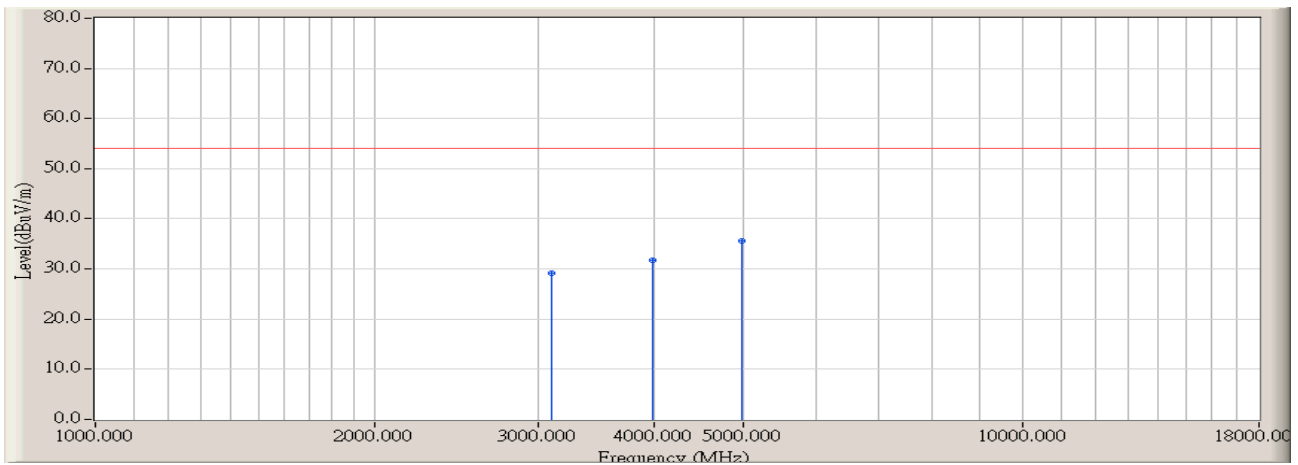


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type	Ant Pos (cm)	Table Pos (deg)
1	3109.000	-1.376	41.711	40.335	-33.635	73.970	PEAK	100.000	94.000
2	3993.000	1.104	40.880	41.984	-31.986	73.970	PEAK	100.000	43.000
3	* 4980.000	3.985	42.299	46.285	-27.685	73.970	PEAK	100.000	68.000

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

Engineer : Marlin	
Site : AC2 (3m Semi-Anechoic Chamber)	Time : 2008/06/30 - 10:49
Limit : FCC_SpartC_15.209_03M_AV	Margin : 0
EUT : Eee PC (M/N: Eee PC 701SD)	Probe : BBHA9120D_499(1-18GHz) - HORIZONTAL
Power : AC 120V/60Hz	Note : Mode 1: Transmit by 802.11b at 2412MHz

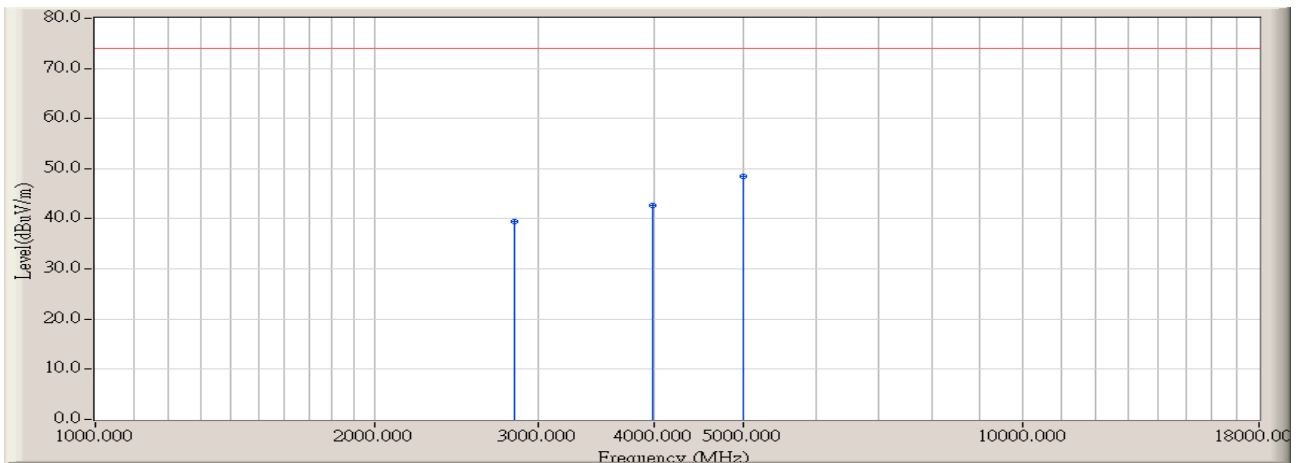


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type	Ant Pos (cm)	Table Pos (deg)
1	3109.000	-1.376	30.600	29.224	-24.746	53.970	AVERAGE	100.000	94.000
2	3993.000	1.102	30.600	31.702	-22.268	53.970	AVERAGE	100.000	43.000
3	* 4980.000	3.985	31.600	35.586	-18.384	53.970	AVERAGE	100.000	68.000

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

Engineer : Marlin	
Site : AC2 (3m Semi-Anechoic Chamber)	Time : 2008/06/30 - 10:48
Limit : FCC_SpartC_15.209_03M_PK	Margin : 0
EUT : Eee PC (M/N: Eee PC 701SD)	Probe : BBHA9120D_499(1-18GHz) - VERTICAL
Power : AC 120V/60Hz	Note : Mode 1: Transmit by 802.11b at 2412MHz

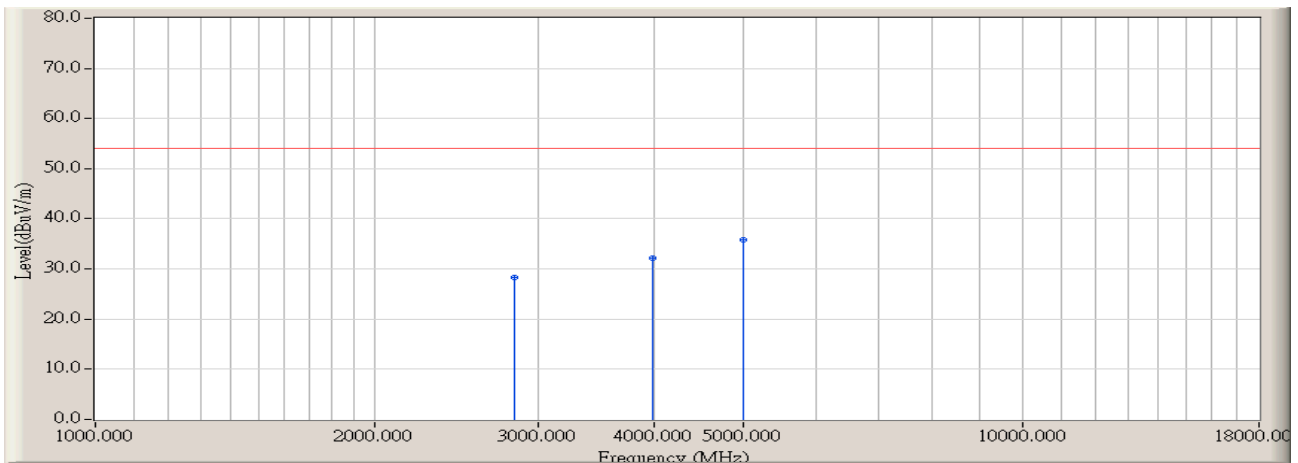


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type	Ant Pos (cm)	Table Pos (deg)
1	2837.000	-2.386	41.889	39.503	-34.467	73.970	PEAK	100.000	23.000
2	3985.000	1.042	41.537	42.579	-31.391	73.970	PEAK	100.000	142.000
3	* 4996.000	3.878	44.507	48.385	-25.585	73.970	PEAK	100.000	182.000

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

Engineer : Marlin	
Site : AC2 (3m Semi-Anechoic Chamber)	Time : 2008/06/30 - 10:48
Limit : FCC_SpartC_15.209_03M_AV	Margin : 0
EUT : Eee PC (M/N: Eee PC 701SD)	Probe : BBHA9120D_499(1-18GHz) - VERTICAL
Power : AC 120V/60Hz	Note : Mode 1: Transmit by 802.11b at 2412MHz

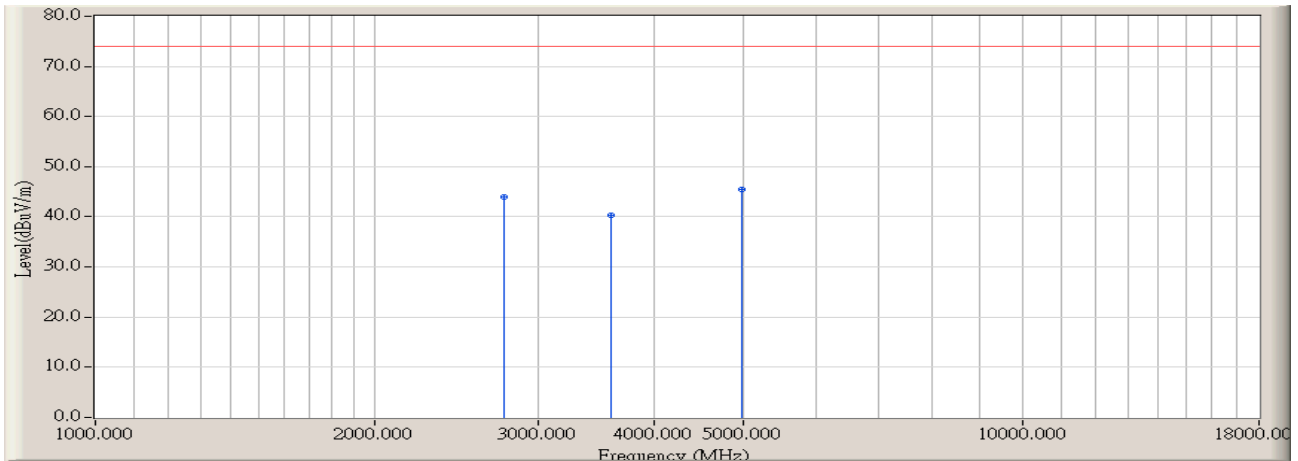


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type	Ant Pos (cm)	Table Pos (deg)
1	2837.000	-2.386	30.800	28.414	-25.556	53.970	AVERAGE	100.000	23.000
2	3985.000	1.042	31.200	32.242	-21.728	53.970	AVERAGE	100.000	142.000
3	* 4996.000	3.879	32.000	35.879	-18.091	53.970	AVERAGE	100.000	182.000

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

Engineer : Marlin	
Site : AC2 (3m Semi-Anechoic Chamber)	Time : 2008/06/30 - 10:49
Limit : FCC_SpartC_15.209_03M_PK	Margin : 0
EUT : Eee PC (M/N: Eee PC 701SD)	Probe : BBHA9120D_499(1-18GHz) - HORIZONTAL
Power : AC 120V/60Hz	Note : Mode 1: Transmit by 802.11b at 2437MHz

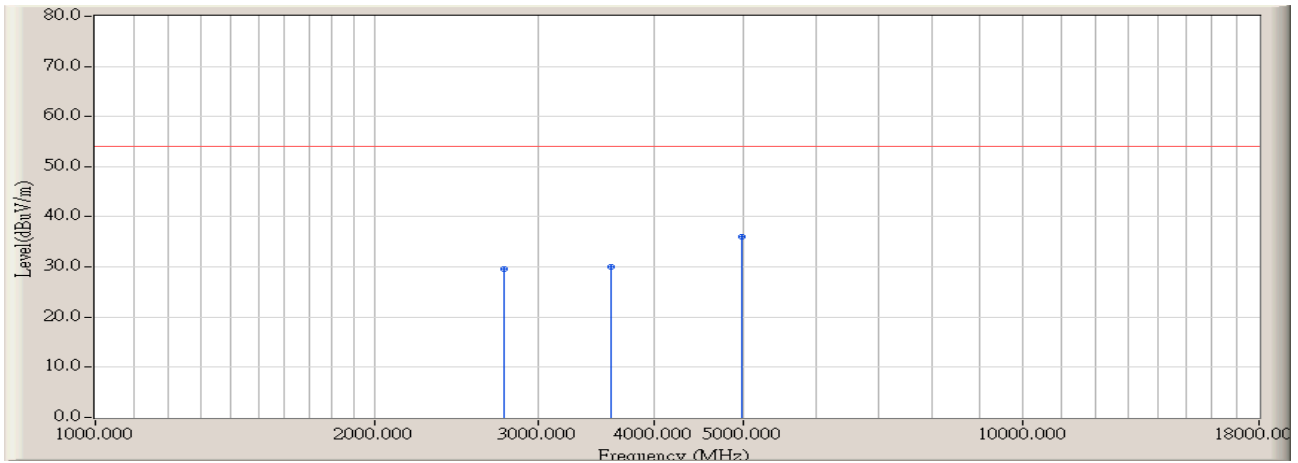


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type	Ant Pos (cm)	Table Pos (deg)
1	2760.300	-2.502	46.493	43.991	-29.979	73.970	PEAK	104.000	77.000
2	3593.800	-0.544	40.788	40.244	-33.726	73.970	PEAK	102.000	60.000
3	* 4980.000	3.985	41.580	45.566	-28.404	73.970	PEAK	100.000	86.000

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

Engineer : Marlin	
Site : AC2 (3m Semi-Anechoic Chamber)	Time : 2008/06/30 - 10:49
Limit : FCC_SpartC_15.209_03M_AV	Margin : 0
EUT : Eee PC (M/N: Eee PC 701SD)	Probe : BBHA9120D_499(1-18GHz) - HORIZONTAL
Power : AC 120V/60Hz	Note : Mode 1: Transmit by 802.11b at 2437MHz

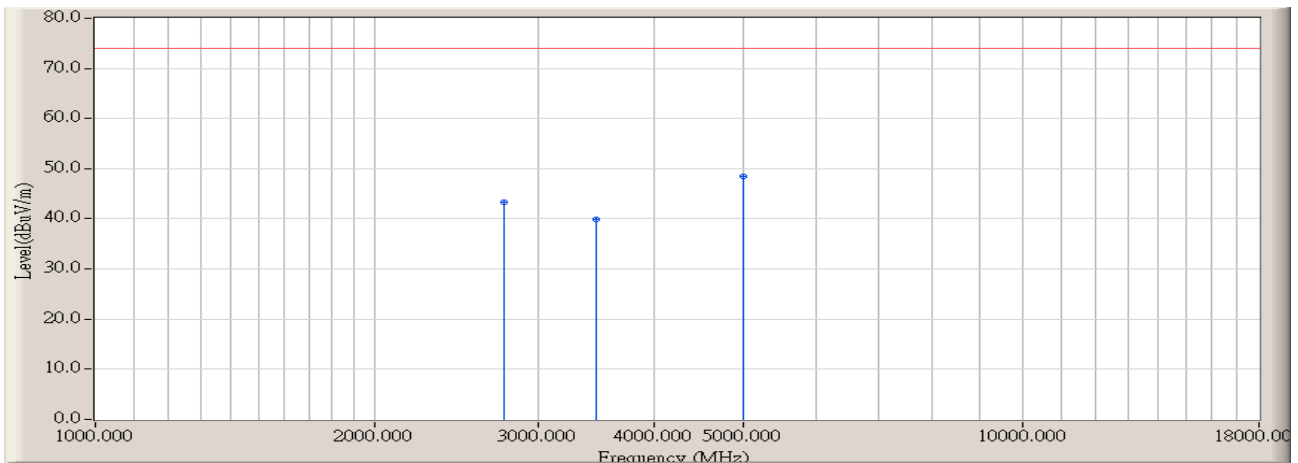


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type	Ant Pos (cm)	Table Pos (deg)
1	2760.300	-2.502	32.000	29.498	-24.472	53.970	AVERAGE	104.000	77.000
2	3593.800	-0.544	30.500	29.956	-24.014	53.970	AVERAGE	102.000	60.000
3	* 4980.000	3.985	32.000	35.986	-17.984	53.970	AVERAGE	100.000	86.000

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

Engineer : Marlin	
Site : AC2 (3m Semi-Anechoic Chamber)	Time : 2008/06/30 - 10:49
Limit : FCC_SpartC_15.209_03M_PK	Margin : 0
EUT : Eee PC (M/N: Eee PC 701SD)	Probe : BBHA9120D_499(1-18GHz) - VERTICAL
Power : AC 120V/60Hz	Note : Mode 1: Transmit by 802.11b at 2437MHz

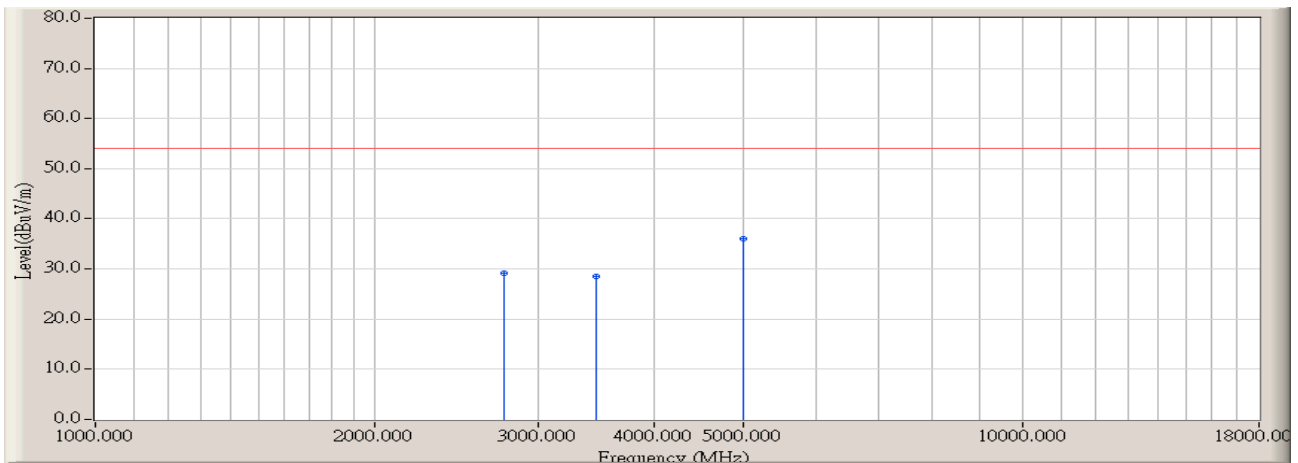


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type	Ant Pos (cm)	Table Pos (deg)
1	2756.600	-2.494	45.887	43.394	-30.576	73.970	PEAK	100.000	92.000
2	3465.000	-1.200	41.066	39.866	-34.104	73.970	PEAK	100.000	18.000
3	* 4995.000	3.880	44.682	48.562	-25.408	73.970	PEAK	100.000	320.000

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

Engineer : Marlin	
Site : AC2 (3m Semi-Anechoic Chamber)	Time : 2008/06/30 - 10:49
Limit : FCC_SpartC_15.209_03M_AV	Margin : 0
EUT : Eee PC (M/N: Eee PC 701SD)	Probe : BBHA9120D_499(1-18GHz) - VERTICAL
Power : AC 120V/60Hz	Note : Mode 1: Transmit by 802.11b at 2437MHz

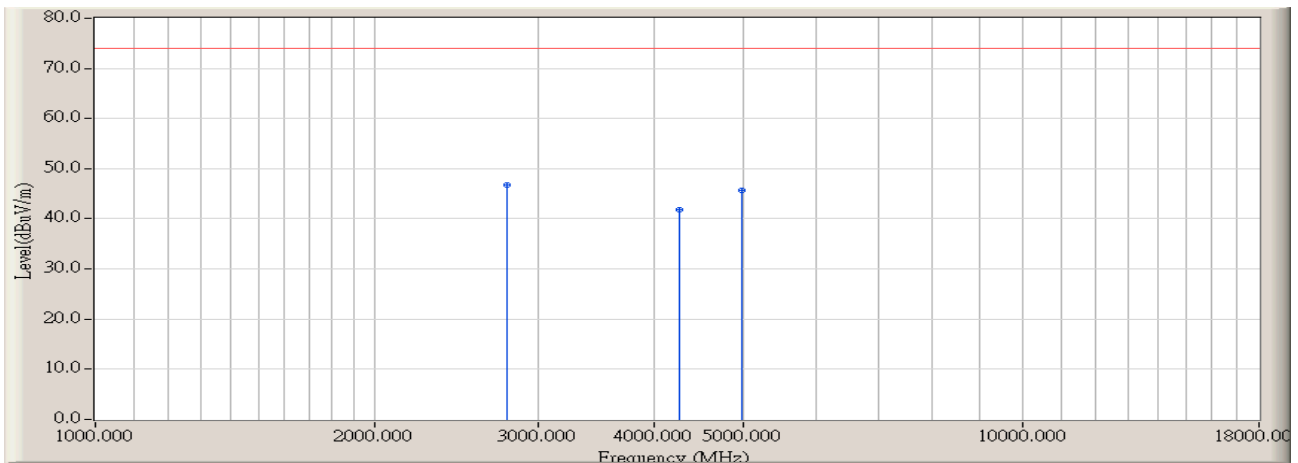


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type	Ant Pos (cm)	Table Pos (deg)
1	2756.600	-2.494	31.600	29.107	-24.863	53.970	AVERAGE	100.000	92.000
2	3465.000	-1.200	29.800	28.600	-25.370	53.970	AVERAGE	100.000	18.000
3	* 4995.000	3.880	32.200	36.080	-17.890	53.970	AVERAGE	100.000	320.000

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

Engineer : Marlin	
Site : AC2 (3m Semi-Anechoic Chamber)	Time : 2008/06/30 - 10:51
Limit : FCC_SpartC_15.209_03M_PK	Margin : 0
EUT : Eee PC (M/N: Eee PC 701SD)	Probe : BBHA9120D_499(1-18GHz) - HORIZONTAL
Power : AC 120V/60Hz	Note : Mode 1: Transmit by 802.11b at 2462MHz

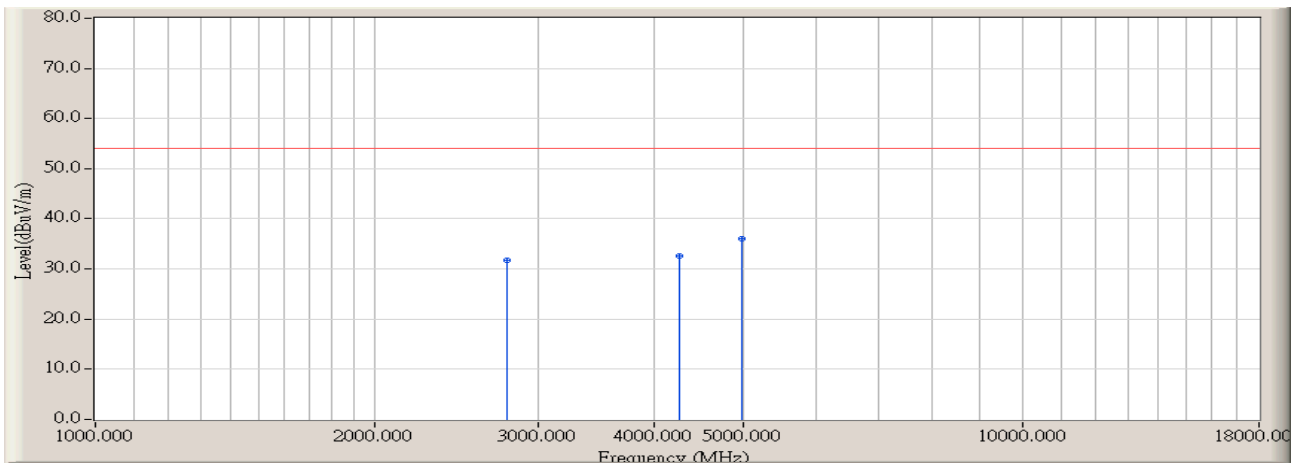


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type	Ant Pos (cm)	Table Pos (deg)
1	*	2777.400	-2.536	49.337	46.800	-27.170	73.970	PEAK	112.000	92.000
2		4265.600	1.297	40.578	41.875	-32.095	73.970	PEAK	102.000	42.000
3		4980.000	3.985	41.645	45.631	-28.339	73.970	PEAK	100.000	216.000

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

Engineer : Marlin	
Site : AC2 (3m Semi-Anechoic Chamber)	Time : 2008/06/30 - 10:51
Limit : FCC_SpartC_15.209_03M_AV	Margin : 0
EUT : Eee PC (M/N: Eee PC 701SD)	Probe : BBHA9120D_499(1-18GHz) - HORIZONTAL
Power : AC 120V/60Hz	Note : Mode 1: Transmit by 802.11b at 2462MHz

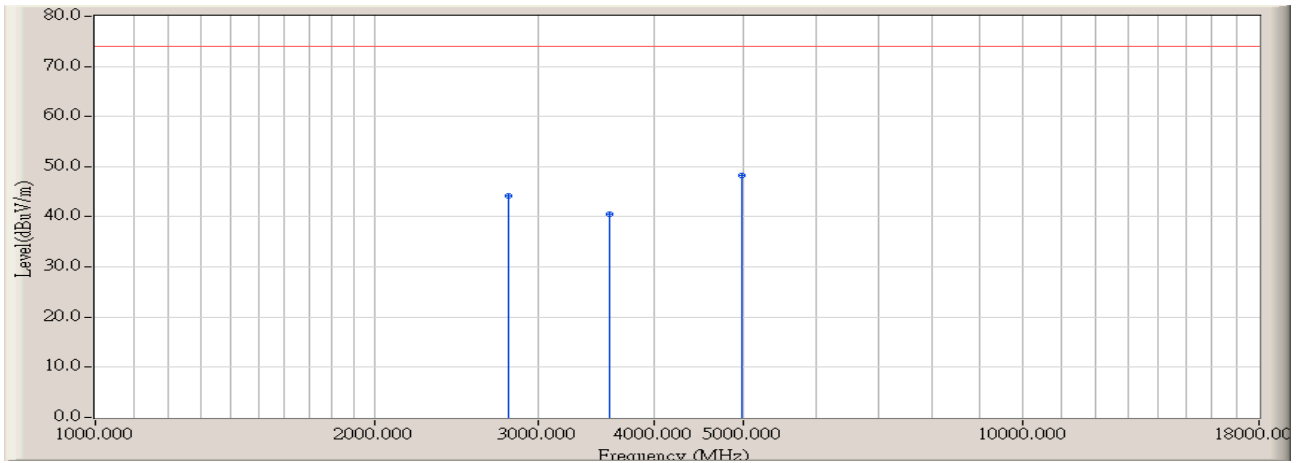


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type	Ant Pos (cm)	Table Pos (deg)
1	2777.400	-2.536	34.200	31.663	-22.307	53.970	AVERAGE	112.000	92.000
2	4265.600	1.297	31.300	32.597	-21.373	53.970	AVERAGE	102.000	42.000
3	* 4980.000	3.985	32.000	35.986	-17.984	53.970	AVERAGE	100.000	216.000

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

Engineer : Marlin	
Site : AC2 (3m Semi-Anechoic Chamber)	Time : 2008/06/30 - 10:51
Limit : FCC_SpartC_15.209_03M_PK	Margin : 0
EUT : Eee PC (M/N: Eee PC 701SD)	Probe : BBHA9120D_499(1-18GHz) - VERTICAL
Power : AC 120V/60Hz	Note : Mode 1: Transmit by 802.11b at 2462MHz

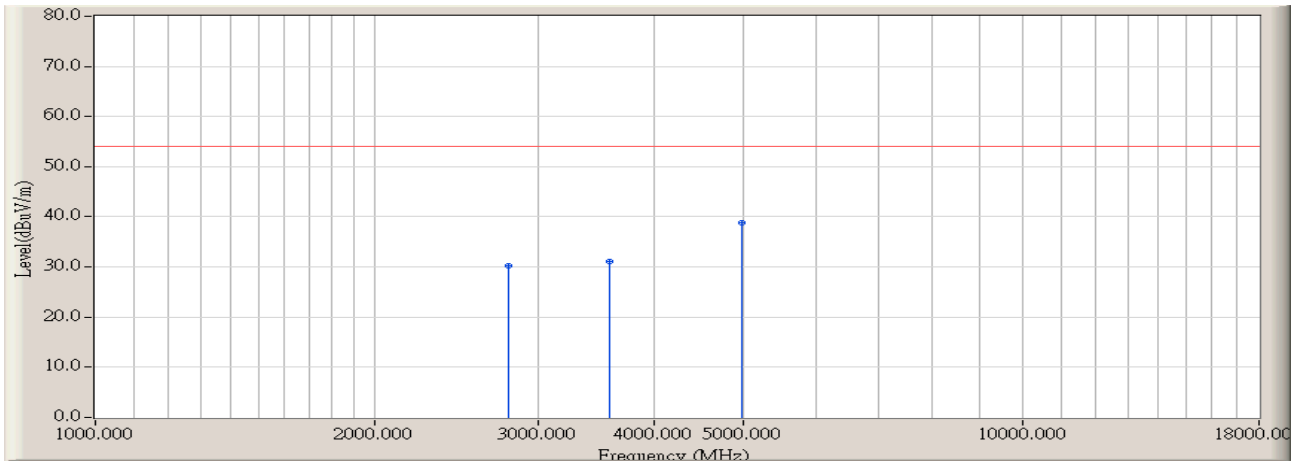


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type	Ant Pos (cm)	Table Pos (deg)
1	2785.900	-2.552	46.630	44.078	-29.892	73.970	PEAK	100.000	14.000
2	3585.300	-0.584	41.137	40.553	-33.417	73.970	PEAK	100.000	246.000
3	* 4988.500	3.925	44.348	48.274	-25.696	73.970	PEAK	100.000	68.000

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

Engineer : Marlin	
Site : AC2 (3m Semi-Anechoic Chamber)	Time : 2008/06/30 - 10:51
Limit : FCC_SpartC_15.209_03M_AV	Margin : 0
EUT : Eee PC (M/N: Eee PC 701SD)	Probe : BBHA9120D_499(1-18GHz) - VERTICAL
Power : AC 120V/60Hz	Note : Mode 1: Transmit by 802.11b at 2462MHz

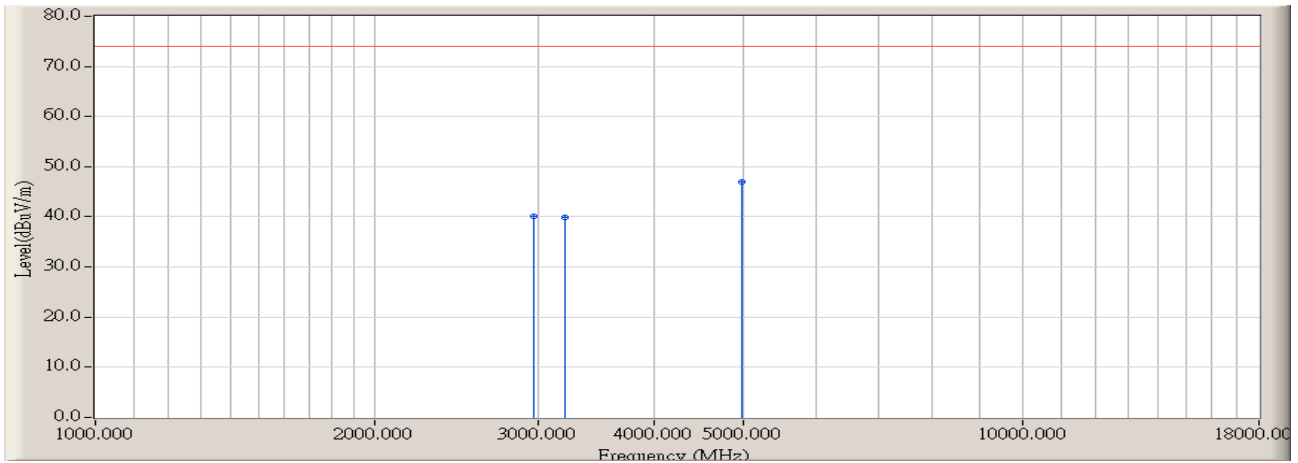


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type	Ant Pos (cm)	Table Pos (deg)
1	2785.900	-2.552	32.900	30.348	-23.622	53.970	AVERAGE	100.000	14.000
2	3585.300	-0.584	31.600	31.016	-22.954	53.970	AVERAGE	100.000	246.000
3	* 4988.500	3.925	34.800	38.726	-15.244	53.970	AVERAGE	100.000	68.000

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

Engineer : Marlin	
Site : AC2 (3m Semi-Anechoic Chamber)	Time : 2008/06/30 - 10:51
Limit : FCC_SpartC_15.209_03M_PK	Margin : 0
EUT : Eee PC (M/N: Eee PC 701SD)	Probe : BBHA9120D_499(1-18GHz) - HORIZONTAL
Power : AC 120V/60Hz	Note : Mode 2: Transmit by 802.11g at 2412MHz

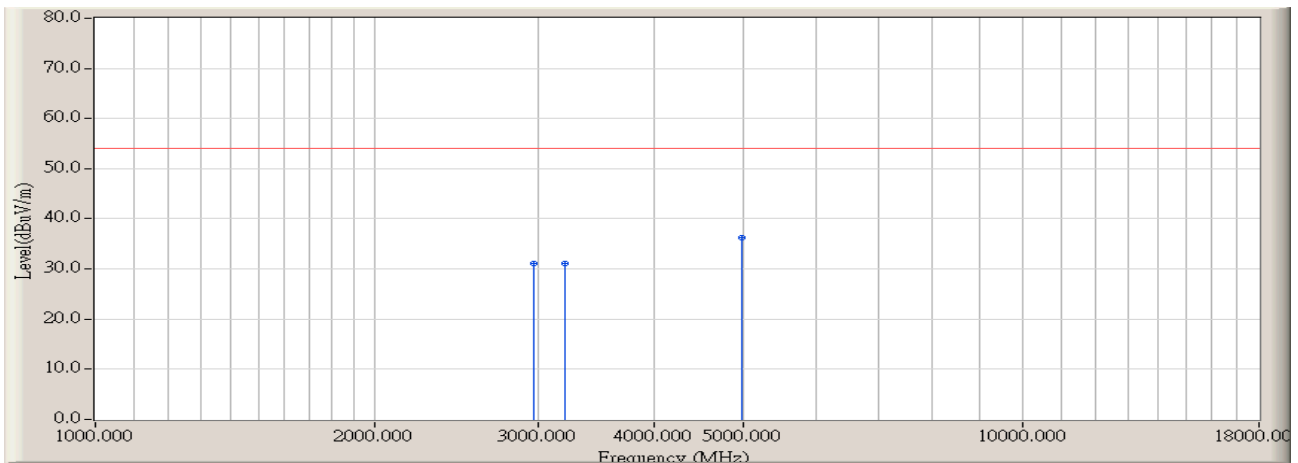


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type	Ant Pos (cm)	Table Pos (deg)
1	2973.000	-2.044	42.181	40.137	-33.833	73.970	PEAK	100.000	184.000
2	3211.000	-1.501	41.486	39.986	-33.984	73.970	PEAK	100.000	334.000
3	* 4980.000	3.985	42.913	46.899	-27.071	73.970	PEAK	100.000	35.000

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

Engineer : Marlin	
Site : AC2 (3m Semi-Anechoic Chamber)	Time : 2008/06/30 - 10:51
Limit : FCC_SpartC_15.209_03M_AV	Margin : 0
EUT : Eee PC (M/N: Eee PC 701SD)	Probe : BBHA9120D_499(1-18GHz) - HORIZONTAL
Power : AC 120V/60Hz	Note : Mode 2: Transmit by 802.11g at 2412MHz

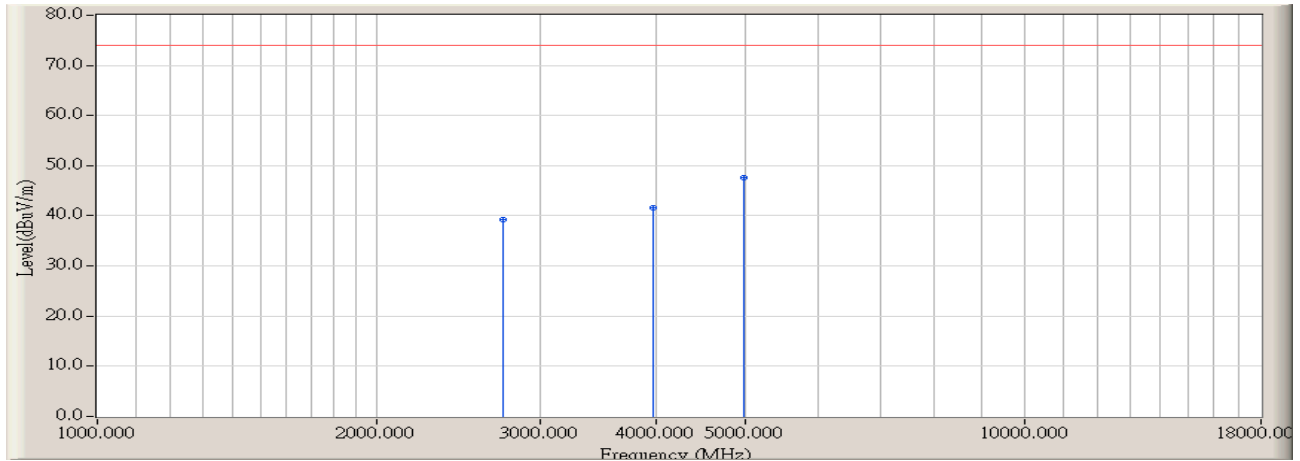


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type	Ant Pos (cm)	Table Pos (deg)
1	2973.000	-2.044	33.200	31.156	-22.814	53.970	AVERAGE	100.000	184.000
2	3211.000	-1.500	32.600	31.101	-22.869	53.970	AVERAGE	100.000	334.000
3	* 4980.000	3.985	32.200	36.186	-17.784	53.970	AVERAGE	100.000	35.000

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

Engineer : Marlin	
Site : AC2 (3m Semi-Anechoic Chamber)	Time : 2008/06/30 - 10:51
Limit : FCC_SpartC_15.209_03M_PK	Margin : 0
EUT : Eee PC (M/N: Eee PC 701SD)	Probe : BBHA9120D_499(1-18GHz) - VERTICAL
Power : AC 120V/60Hz	Note : Mode 2: Transmit by 802.11g at 2412MHz

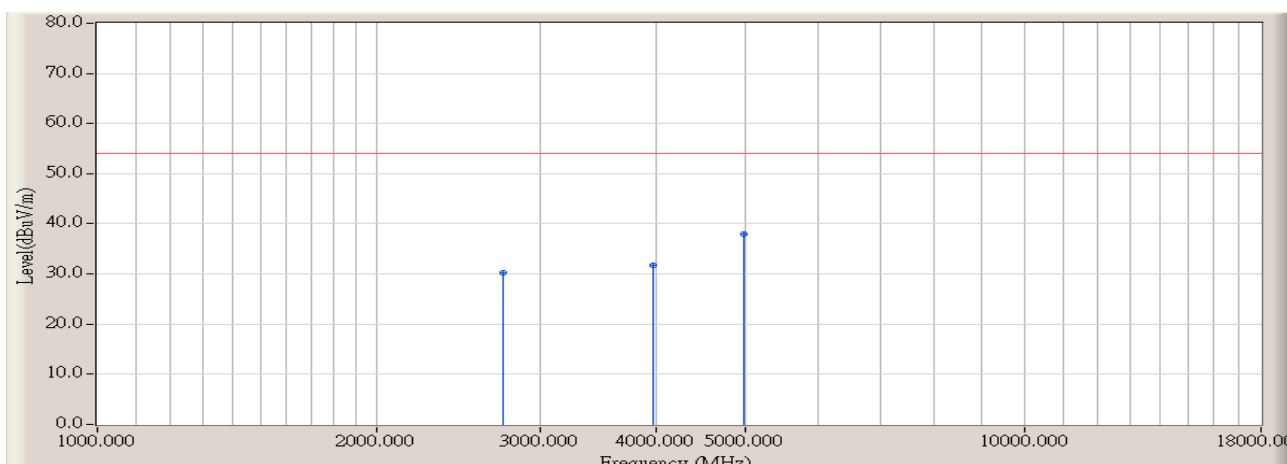


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type	Ant Pos (cm)	Table Pos (deg)
1	2734.800	-2.546	41.790	39.244	-34.726	73.970	PEAK	100.000	68.000
2	3976.500	0.972	40.629	41.601	-32.369	73.970	PEAK	100.000	96.000
3	* 4980.000	3.985	43.590	47.576	-26.394	73.970	PEAK	100.000	192.000

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

Engineer : Marlin	
Site : AC2 (3m Semi-Anechoic Chamber)	Time : 2008/06/30 - 10:51
Limit : FCC_SpartC_15.209_03M_AV	Margin : 0
EUT : Eee PC (M/N: Eee PC 701SD)	Probe : BBHA9120D_499(1-18GHz) - VERTICAL
Power : AC 120V/60Hz	Note : Mode 2: Transmit by 802.11g at 2412MHz

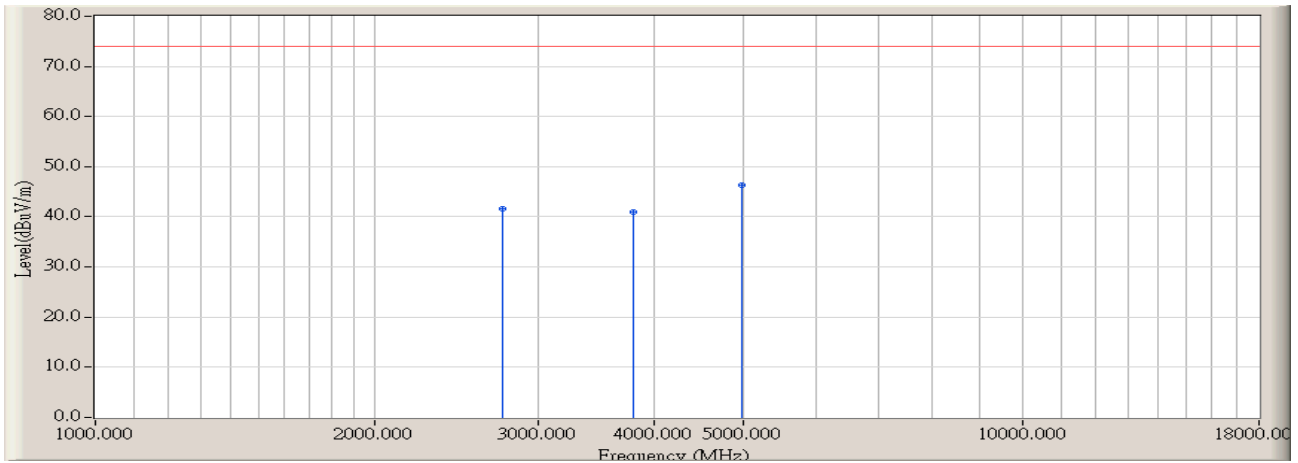


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type	Ant Pos (cm)	Table Pos (deg)
1	2734.800	-2.547	32.800	30.253	-23.717	53.970	AVERAGE	100.000	68.000
2	3976.500	0.972	30.800	31.772	-22.198	53.970	AVERAGE	100.000	96.000
3	* 4980.000	3.985	34.000	37.986	-15.984	53.970	AVERAGE	100.000	192.000

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

Engineer : Marlin	
Site : AC2 (3m Semi-Anechoic Chamber)	Time : 2008/06/30 - 10:51
Limit : FCC_SpartC_15.209_03M_PK	Margin : 0
EUT : Eee PC (M/N: Eee PC 701SD)	Probe : BBHA9120D_499(1-18GHz) - HORIZONTAL
Power : AC 120V/60Hz	Note : Mode 2: Transmit by 802.11g at 2437MHz

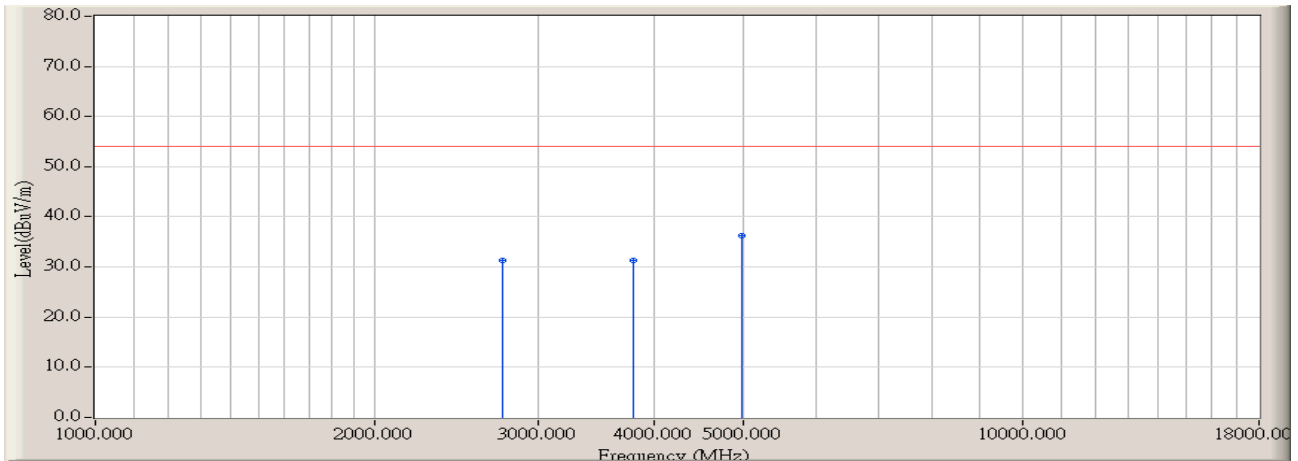


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type	Ant Pos (cm)	Table Pos (deg)
1	2751.800	-2.482	44.037	41.555	-32.415	73.970	PEAK	100.000	62.000
2	3806.400	0.183	40.879	41.061	-32.909	73.970	PEAK	100.000	82.000
3	* 4980.000	3.985	42.410	46.396	-27.574	73.970	PEAK	100.000	234.000

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

Engineer : Marlin	
Site : AC2 (3m Semi-Anechoic Chamber)	Time : 2008/06/30 - 10:51
Limit : FCC_SpartC_15.209_03M_AV	Margin : 0
EUT : Eee PC (M/N: Eee PC 701SD)	Probe : BBHA9120D_499(1-18GHz) - HORIZONTAL
Power : AC 120V/60Hz	Note : Mode 2: Transmit by 802.11g at 2437MHz

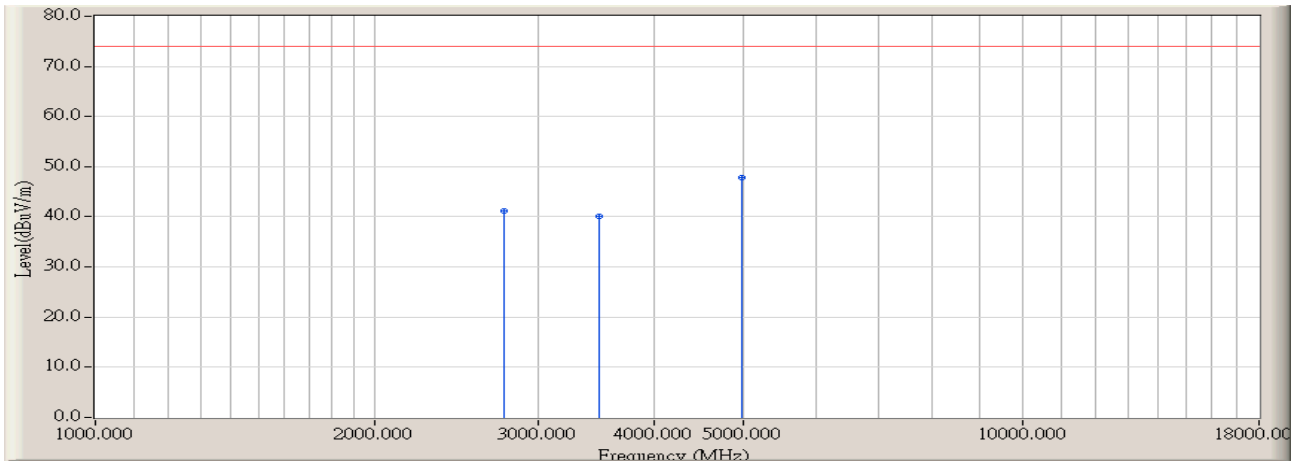


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type	Ant Pos (cm)	Table Pos (deg)
1	2751.800	-2.482	33.900	31.418	-22.552	53.970	AVERAGE	100.000	62.000
2	3806.400	0.183	31.200	31.382	-22.588	53.970	AVERAGE	100.000	82.000
3	* 4980.000	3.985	32.200	36.186	-17.784	53.970	AVERAGE	100.000	234.000

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

Engineer : Marlin	
Site : AC2 (3m Semi-Anechoic Chamber)	Time : 2008/06/30 - 10:51
Limit : FCC_SpartC_15.209_03M_PK	Margin : 0
EUT : Eee PC (M/N: Eee PC 701SD)	Probe : BBHA9120D_499(1-18GHz) - VERTICAL
Power : AC 120V/60Hz	Note : Mode 2: Transmit by 802.11g at 2437MHz

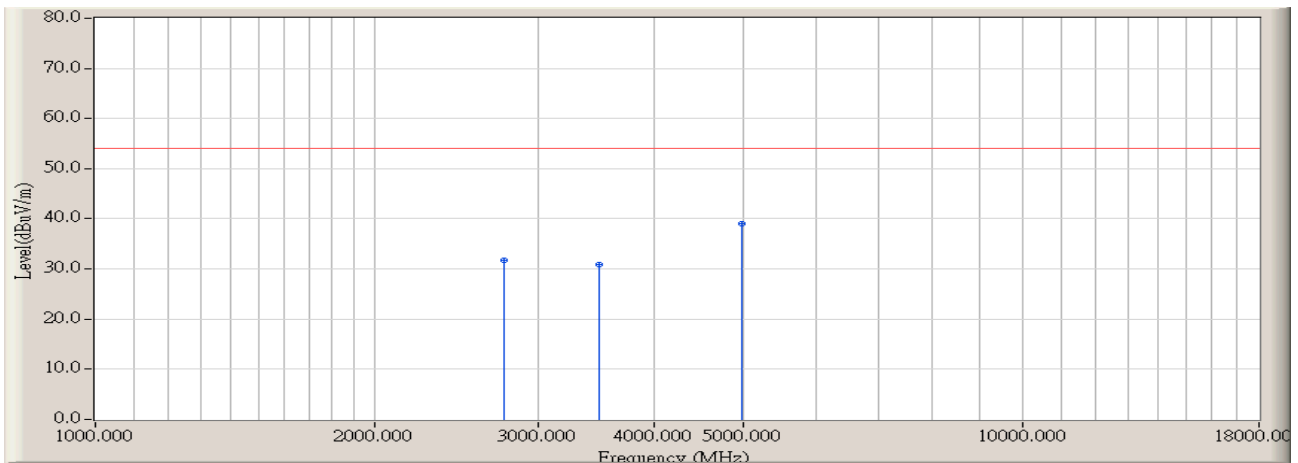


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type	Ant Pos (cm)	Table Pos (deg)
1	2760.300	-2.502	43.784	41.282	-32.688	73.970	PEAK	100.000	62.000
2	3491.800	-1.100	41.300	40.200	-33.770	73.970	PEAK	100.000	69.000
3	* 4988.500	3.925	43.863	47.789	-26.181	73.970	PEAK	100.000	128.000

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

Engineer : Marlin	
Site : AC2 (3m Semi-Anechoic Chamber)	Time : 2008/06/30 - 10:51
Limit : FCC_SpartC_15.209_03M_AV	Margin : 0
EUT : Eee PC (M/N: Eee PC 701SD)	Probe : BBHA9120D_499(1-18GHz) - VERTICAL
Power : AC 120V/60Hz	Note : Mode 2: Transmit by 802.11g at 2437MHz

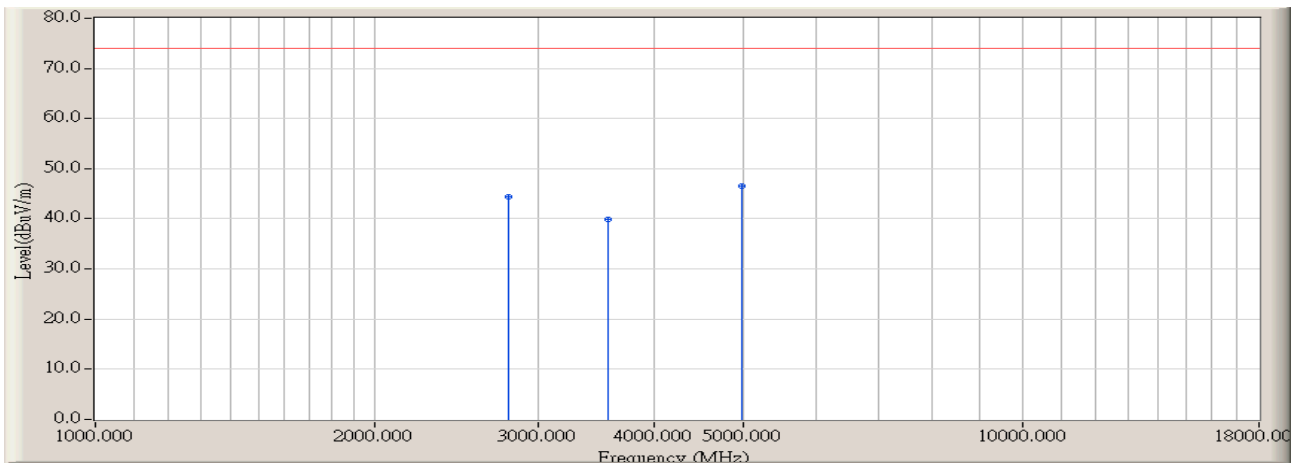


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type	Ant Pos (cm)	Table Pos (deg)
1	2760.300	-2.502	34.200	31.698	-22.272	53.970	AVERAGE	100.000	62.000
2	3491.800	-1.100	32.000	30.900	-23.070	53.970	AVERAGE	100.000	69.000
3	* 4988.500	3.925	35.200	39.126	-14.844	53.970	AVERAGE	100.000	128.000

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

Engineer : Marlin	
Site : AC2 (3m Semi-Anechoic Chamber)	Time : 2008/06/30 - 10:51
Limit : FCC_SpartC_15.209_03M_PK	Margin : 0
EUT : Eee PC (M/N: Eee PC 701SD)	Probe : BBHA9120D_499(1-18GHz) - HORIZONTAL
Power : AC 120V/60Hz	Note : Mode 2: Transmit by 802.11g at 2462MHz

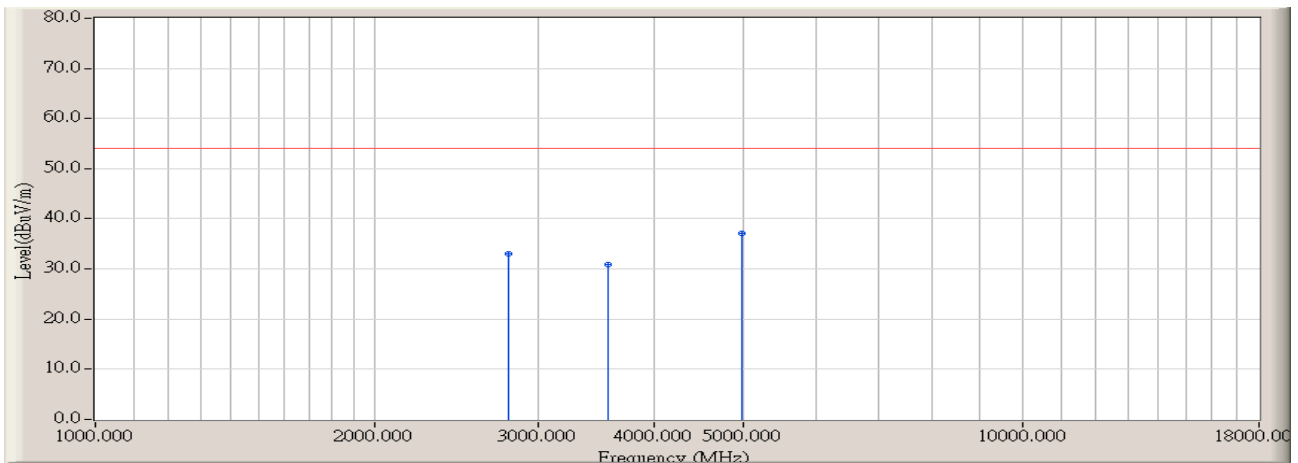


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type	Ant Pos (cm)	Table Pos (deg)
1	2785.900	-2.552	46.867	44.315	-29.655	73.970	PEAK	100.000	294.000
2	3576.800	-0.624	40.524	39.900	-34.070	73.970	PEAK	104.000	94.000
3	* 4980.000	3.985	42.476	46.462	-27.508	73.970	PEAK	110.000	240.000

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

Engineer : Marlin	
Site : AC2 (3m Semi-Anechoic Chamber)	Time : 2008/06/30 - 10:51
Limit : FCC_SpartC_15.209_03M_AV	Margin : 0
EUT : Eee PC (M/N: Eee PC 701SD)	Probe : BBHA9120D_499(1-18GHz) - HORIZONTAL
Power : AC 120V/60Hz	Note : Mode 2: Transmit by 802.11g at 2462MHz

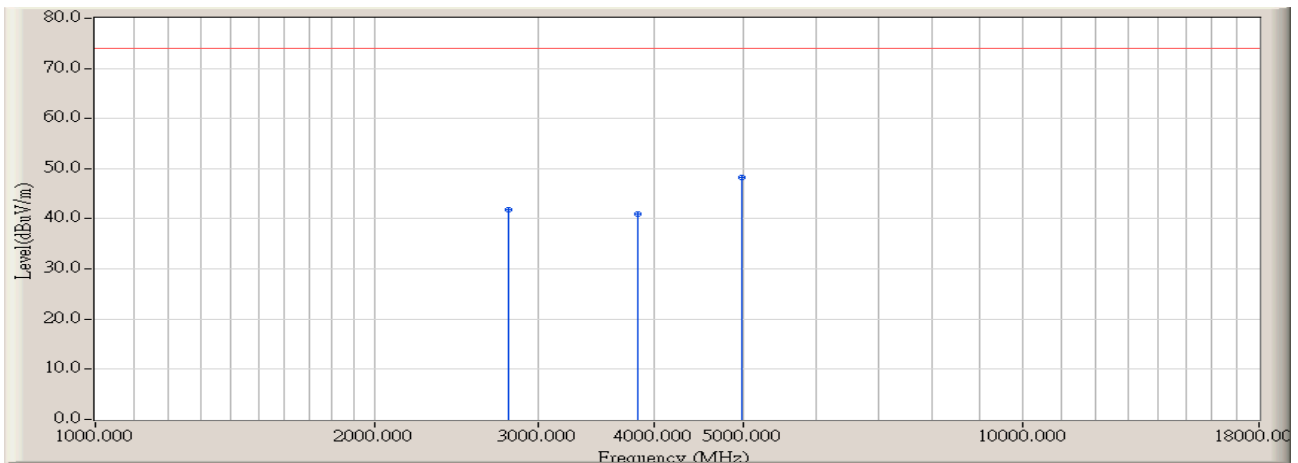


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type	Ant Pos (cm)	Table Pos (deg)
1	2785.900	-2.552	35.600	33.048	-20.922	53.970	AVERAGE	100.000	294.000
2	3576.800	-0.624	31.600	30.976	-22.994	53.970	AVERAGE	104.000	94.000
3	* 4980.000	3.985	33.200	37.186	-16.784	53.970	AVERAGE	110.000	240.000

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

Engineer : Marlin	
Site : AC2 (3m Semi-Anechoic Chamber)	Time : 2008/06/30 - 10:51
Limit : FCC_SpartC_15.209_03M_PK	Margin : 0
EUT : Eee PC (M/N: Eee PC 701SD)	Probe : BBHA9120D_499(1-18GHz) - VERTICAL
Power : AC 120V/60Hz	Note : Mode 2: Transmit by 802.11g at 2462MHz

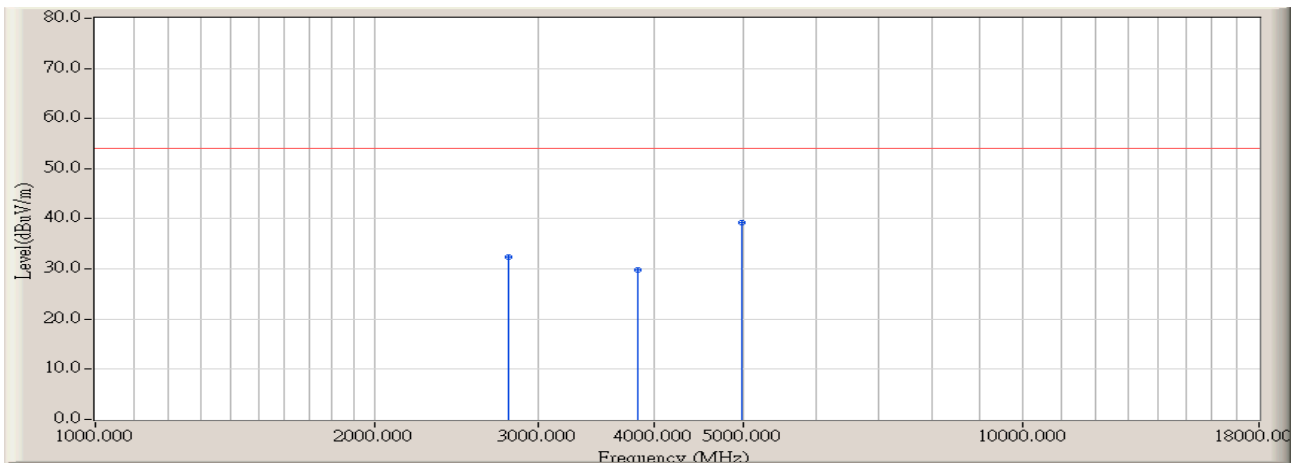


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type	Ant Pos (cm)	Table Pos (deg)
1	2785.900	-2.552	44.404	41.852	-32.118	73.970	PEAK	100.000	69.000
2	3845.000	0.243	40.672	40.915	-33.055	73.970	PEAK	100.000	76.000
3	* 4980.000	3.985	44.218	48.204	-25.766	73.970	PEAK	100.000	16.000

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

Engineer : Marlin	
Site : AC2 (3m Semi-Anechoic Chamber)	Time : 2008/06/30 - 10:51
Limit : FCC_SpartC_15.209_03M_AV	Margin : 0
EUT : Eee PC (M/N: Eee PC 701SD)	Probe : BBHA9120D_499(1-18GHz) - VERTICAL
Power : AC 120V/60Hz	Note : Mode 2: Transmit by 802.11g at 2462MHz



	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type	Ant Pos (cm)	Table Pos (deg)
1	2785.900	-2.552	35.000	32.448	-21.522	53.970	AVERAGE	100.000	69.000
2	3845.000	0.234	29.600	29.834	-24.136	53.970	AVERAGE	100.000	76.000
3	* 4980.000	3.985	35.200	39.186	-14.784	53.970	AVERAGE	100.000	16.000

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

5. RF Antenna Conducted Spurious

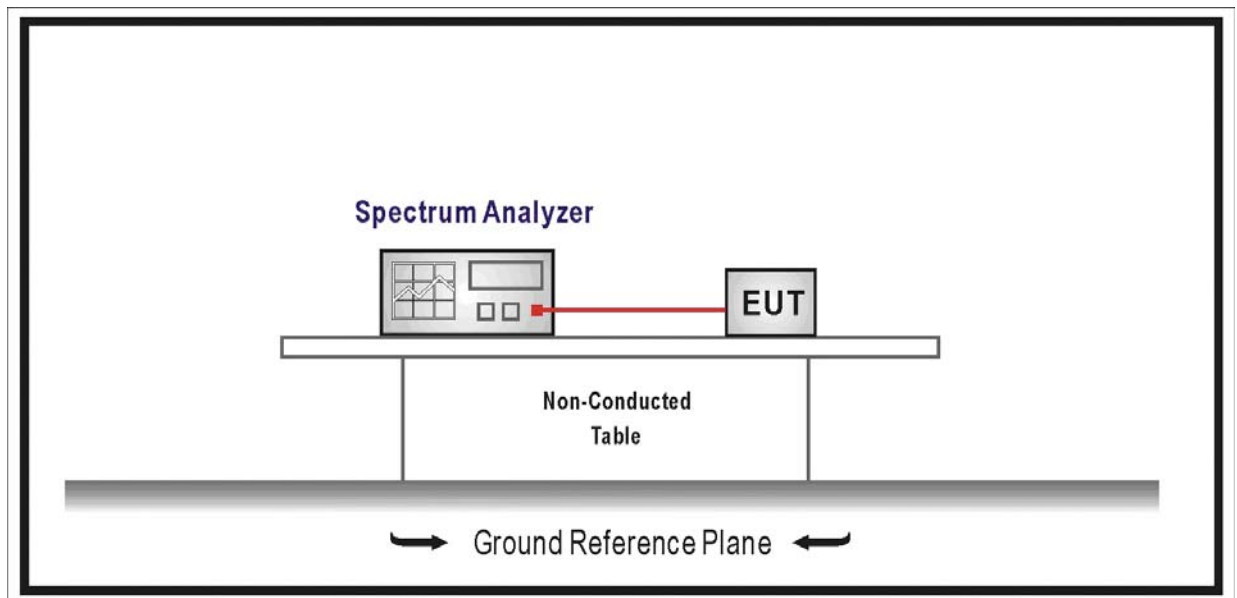
5.1. Test Equipment

RF Antenna Conducted Spurious / AC-4

Instrument	Manufacturer	Type No.	Serial No.	Cal. Date
Spectrum Analyzer	Agilent	E4446A	MY45300103	2008/06/11
Coaxial Cable	Huber+Suhner	AC4-RF	09	2007/11/25
Temperature/Humidity Meter	zhicheng	ZC1-2	QT-TH007	2008/03/09

Note: All equipments are calibrated with traceable calibrations. Each calibration is traceable to the national or international standards.

5.2. Test Setup



5.3. Limit

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.

5.4. Test Procedure

The EUT was tested according to DTS test procedure of Oct 2002 KDB558074 for compliance to FCC 47CFR 15.247 requirements.

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

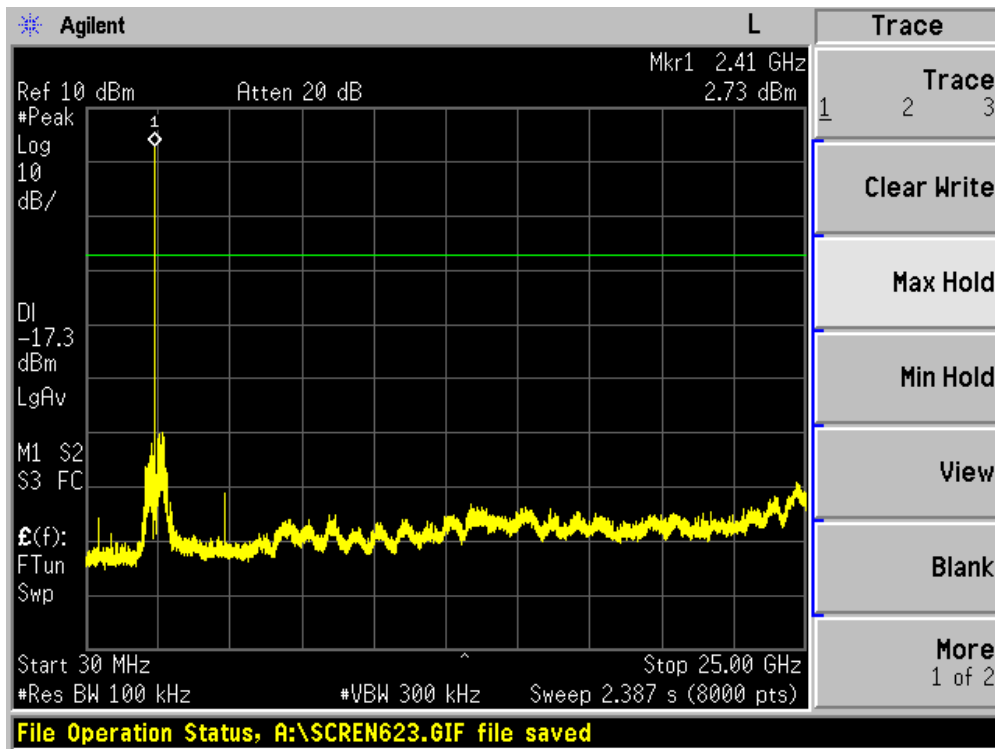
5.5. Uncertainty

The measurement uncertainty is defined as ± 1.27 dB

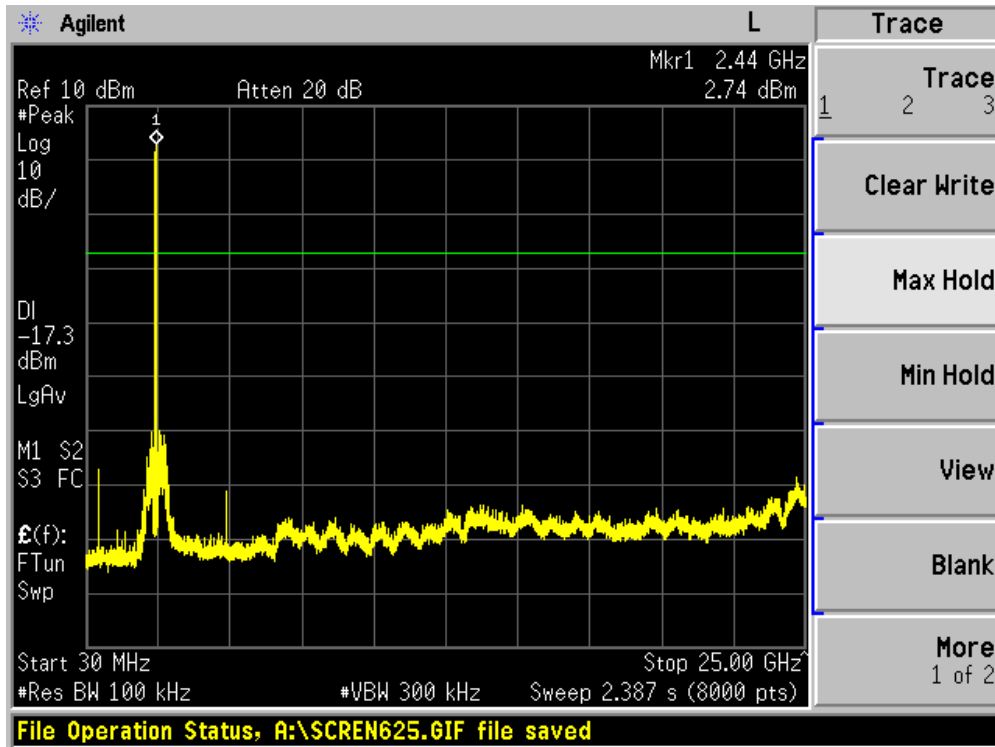
5.6. Test Result

Product	:	Eee PC
Test Item	:	RF Antenna Conducted Spurious
Test Site	:	AC-4
Test Mode	:	Mode 1: Transmit by 802.11b

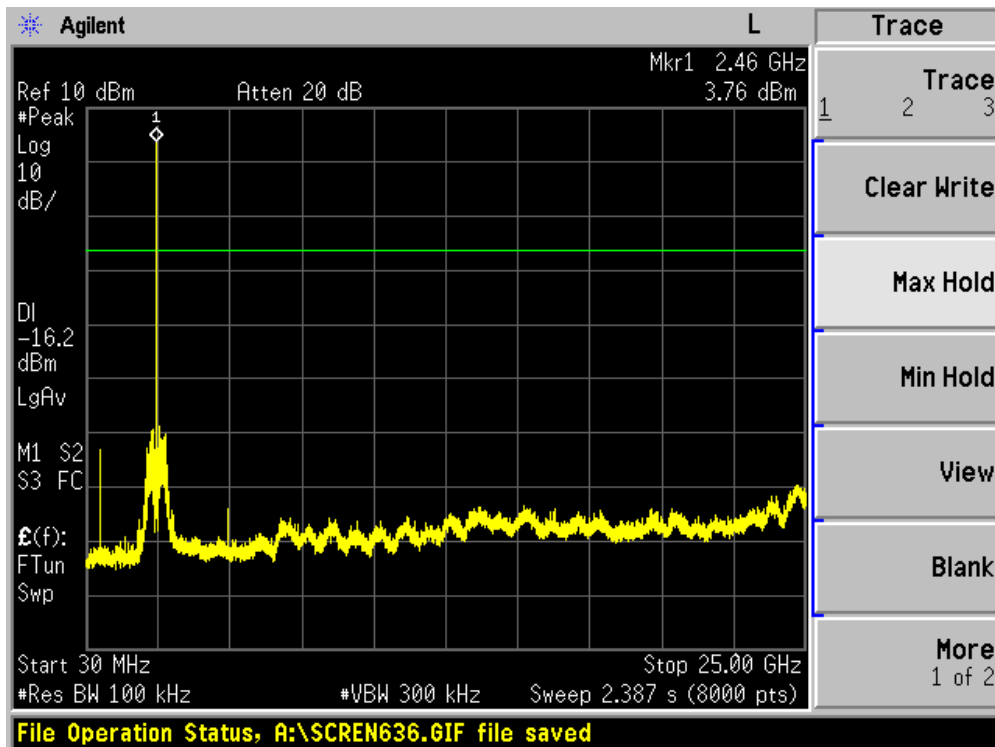
Channel 01 (2412MHz)



Channel 06 (2437MHz)

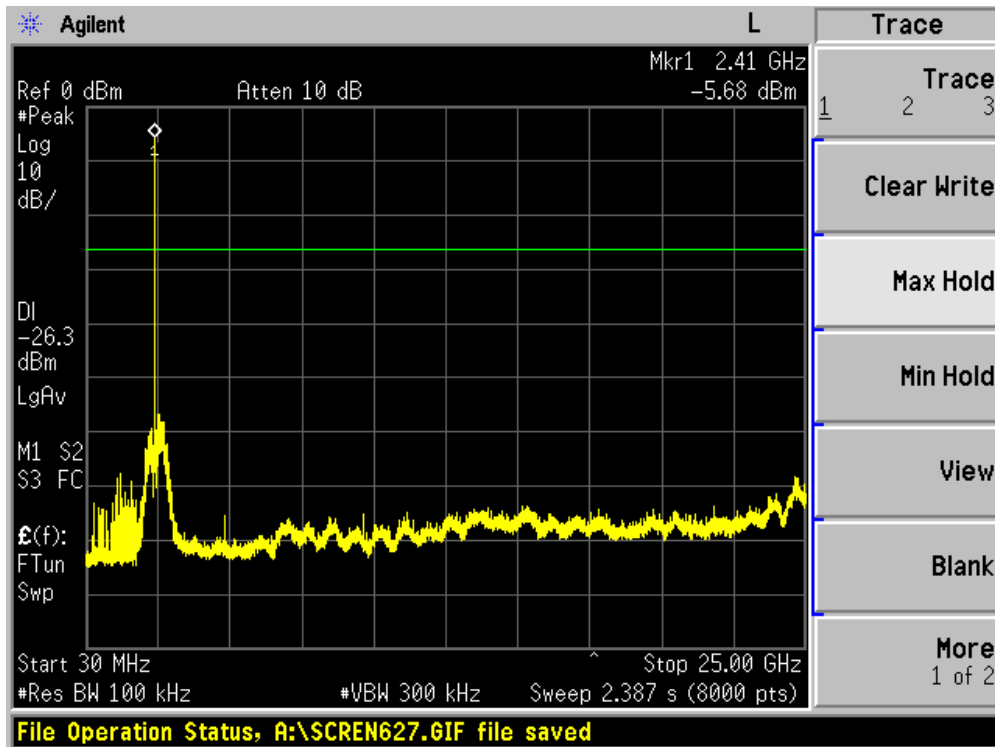


Channel 11 (2462MHz)

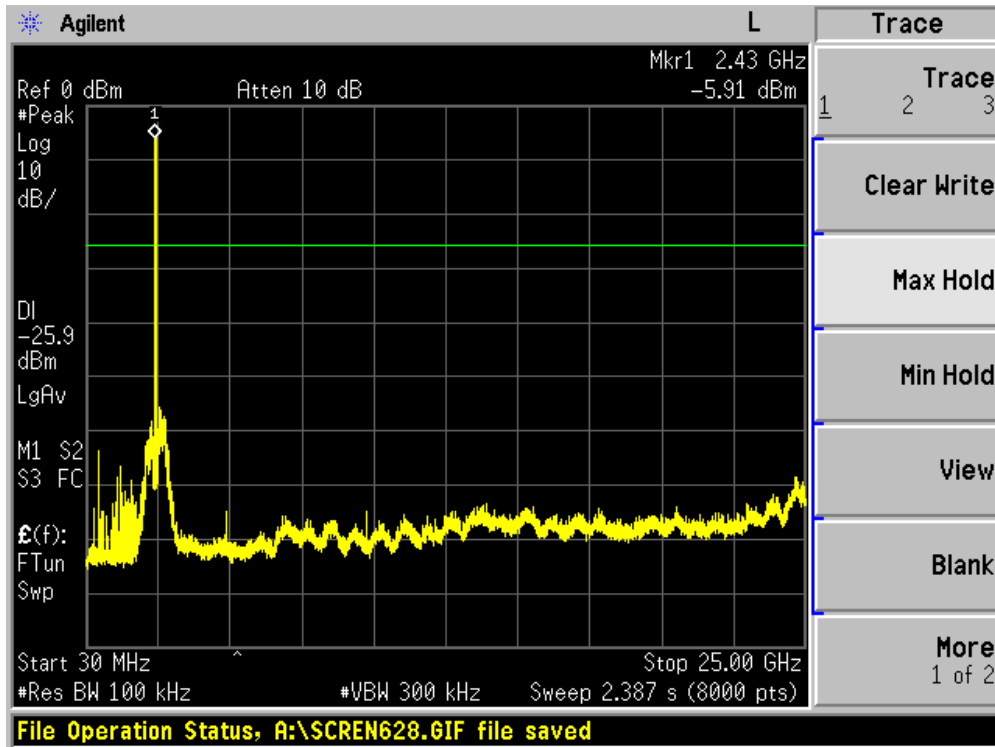


Product	:	Eee PC
Test Item	:	RF Antenna Conducted Spurious
Test Site	:	AC-4
Test Mode	:	Mode 2: Transmit by 802.11g

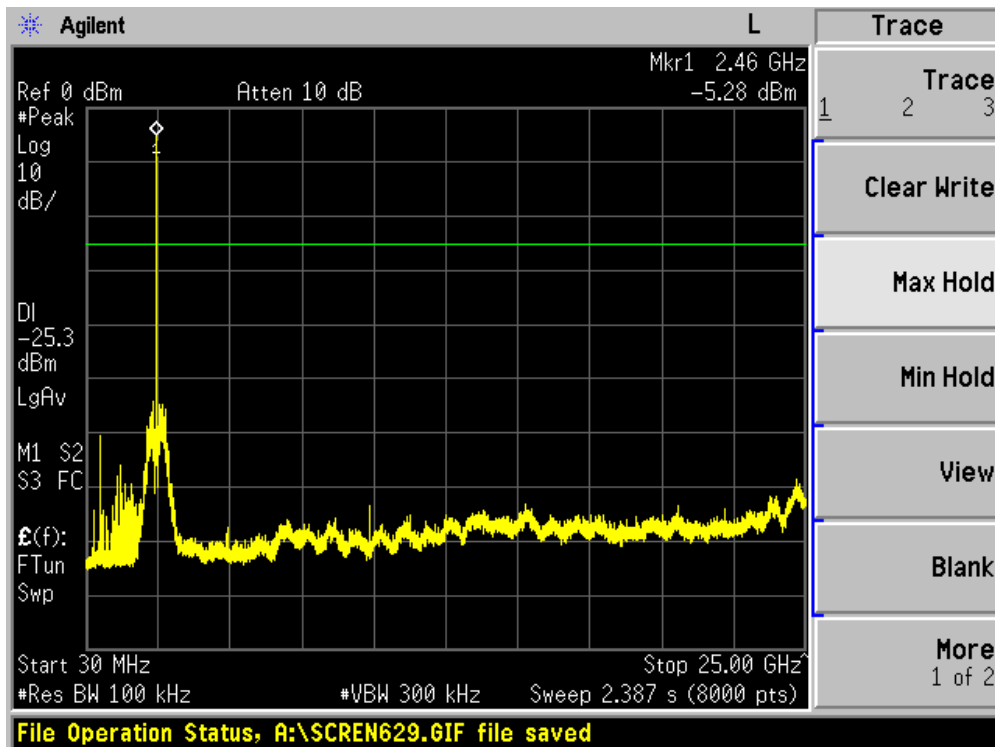
Channel 01 (2412MHz)



Channel 06 (2437MHz)



Channel 11 (2462MHz)



6. Radiated Emission Band Edge

6.1. Test Equipment

Radiated Emission / AC-2

Instrument	Manufacturer	Type No.	Serial No.	Cal. Date
Spectrum Analyzer	Agilent	E4408B	MY45102679	2007/11/12
EMI Test Receiver	R&S	ESCI	100573	2008/05/10
Preamplifier	Quietek	AP-025C	QT-AP003	2007/11/25
Preamplifier	Quietek	AP-180C	CHM-0602012	2007/11/25
Bilog Type Antenna	Schaffner	CBL6112B	2932	2007/11/22
Broad-Band Horn Antenna	Schwarzbeck	BBHA9120D	496	2007/11/25
50ohm Coaxial Switch	Anritsu	MP59B	6200447304	2007/11/25
Coaxial Cable	Huber+Suhner	AC2-C	04	2007/11/25
Temperature/Humidity Meter	zhicheng	ZC1-2	QT-TH002	2008/03/31

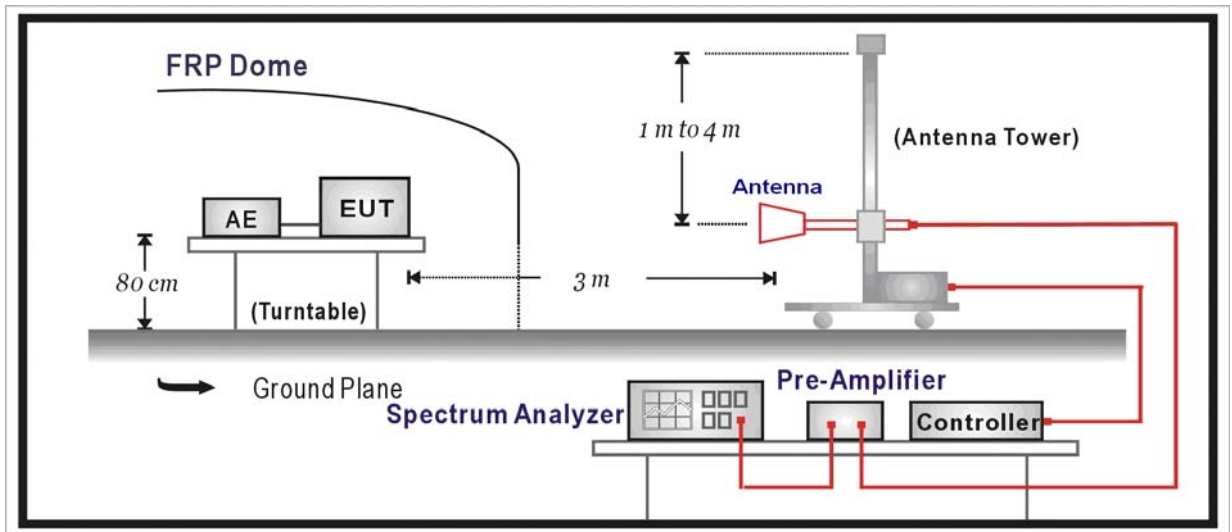
Radiated Emission / AC-3

Instrument	Manufacturer	Type No.	Serial No.	Cal. Date
Spectrum Analyzer	Agilent	N9010A	MY48030494	2008/04/24
EMI Test Receiver	R&S	ESCI	100176	2007/11/15
Preamplifier	Quietek	AP-025C	QT-AP004	2007/11/25
Preamplifier	Quietek	AP-180C	CHM-0602012	2007/11/25
Bilog Type Antenna	Schaffner	CBL6112D	22254	2007/11/22
Broad-Band Horn Antenna	Schwarzbeck	BBHA9120D	496	2007/11/25
50ohm Coaxial Switch	Anritsu	MP59B	6200464463	2007/11/25
Coaxial Cable	Huber+Suhner	AC2-C	05	2007/11/25
Temperature/Humidity Meter	zhicheng	ZC1-2	QT-TH003	2008/03/31

Note 1: All equipments are calibrated with traceable calibrations. Each calibration is traceable to the national or international standards.

Note 2: The test instruments marked with "X" are used to measure the final test results.

6.2. Test Setup



6.3. Limit

Radiated emissions which fall in the restricted bands, as defined in Section 15.205(a) of FCC part 15, must also comply with the radiated emission limits specified in Section 15.209(a) (see Section 15.205(c)).

6.4. Test Procedure

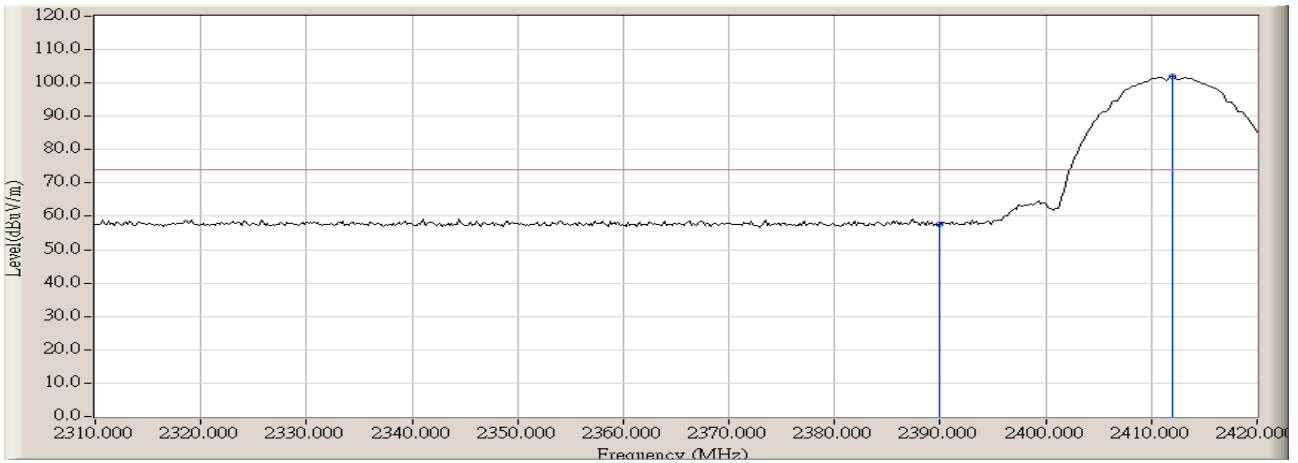
The EUT was setup according to ANSI C63.4, 2003 and tested according to DTS test procedure of Oct 2002 KDB558074 for compliance to FCC 47CFR 15.247 requirements. The EUT is placed on a turn table which is 0.8 meter above ground. The turn table is rotated 360 degrees to determine the position of the maximum 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

The measurement uncertainty above 1G is defined as ± 3.9 dB

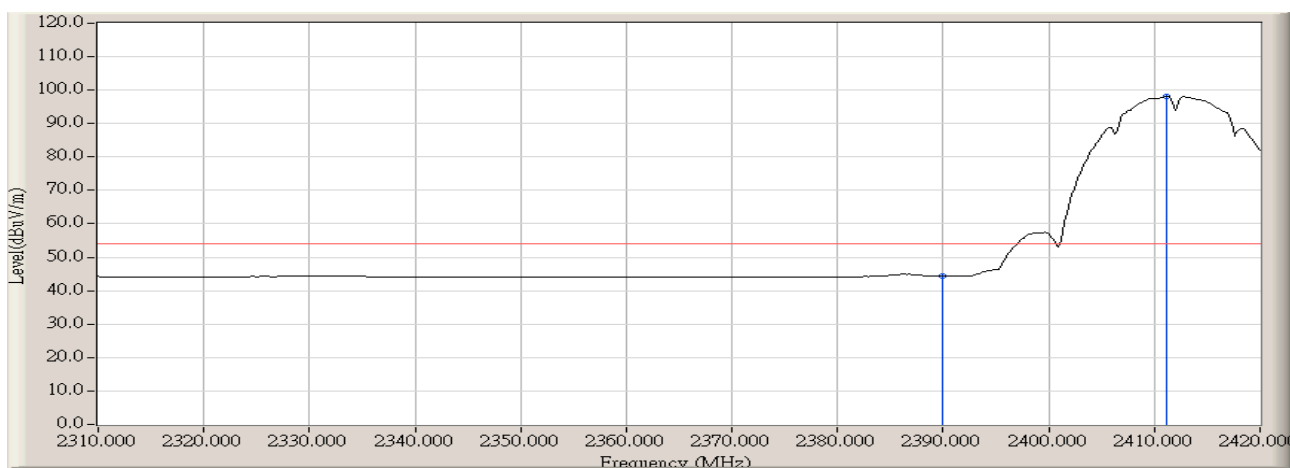
6.6. Test Result

Engineer : Marlin	
Site : AC2 (3m Semi-Anechoic Chamber)	Time : 2008/07/02 - 09:58
Limit : FCC_SpartC_15.209_03M_PK	Margin : 0
EUT : Eee PC (M/N: Eee PC 701SD)	Probe : BBHA9120D_496(1-18GHz) - HORIZONTAL
Power : AC 120V/60Hz	Note : Mode 1: Transmit by 802.11b at 2412MHz



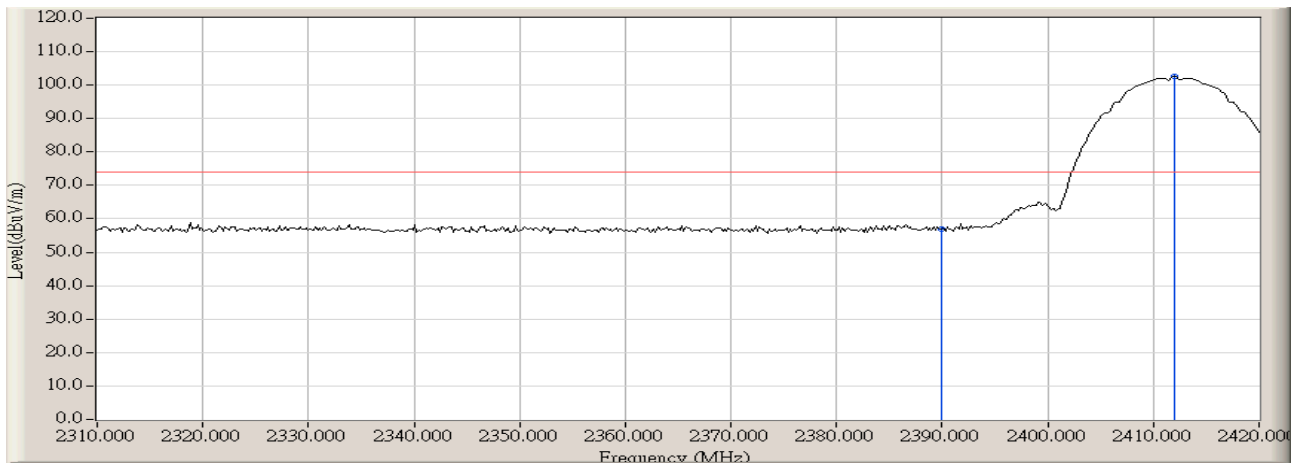
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2390.000	-3.202	60.757	57.555	-16.415	73.970	PEAK
2	*	2411.933	-3.213	105.188	101.976	N/A	N/A	PEAK

Engineer : Marlin	
Site : AC2 (3m Semi-Anechoic Chamber)	Time : 2008/07/02 - 10:03
Limit : FCC_SpartC_15.209_03M_AV	Margin : 0
EUT : Eee PC (M/N: Eee PC 701SD)	Probe : BBHA9120D_496(1-18GHz) - HORIZONTAL
Power : AC 120V/60Hz	Note : Mode 1: Transmit by 802.11b at 2412MHz



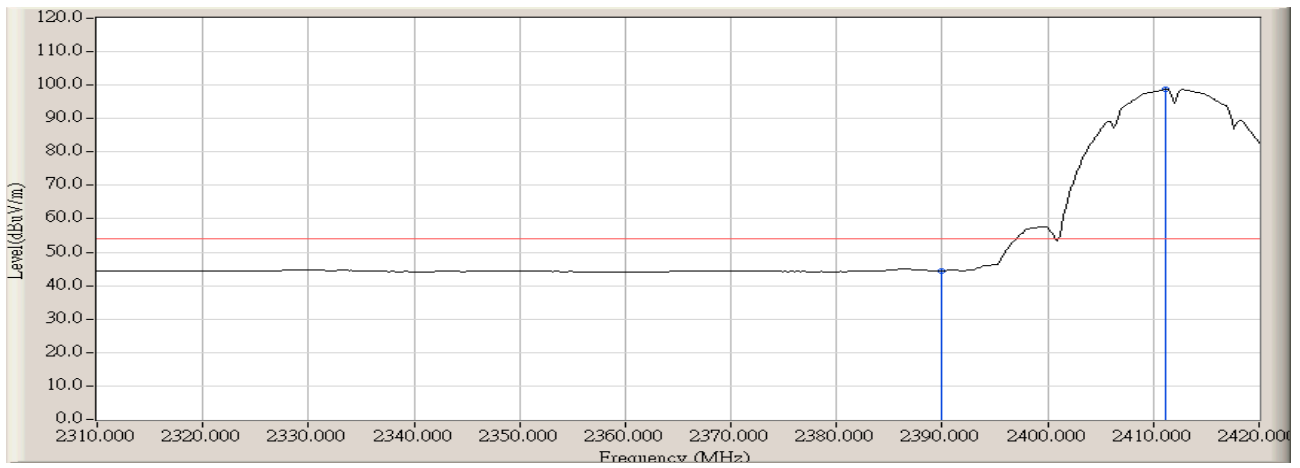
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2390.000	-3.202	47.573	44.371	-9.599	53.970	AVERAGE
2	*	2411.200	-3.211	101.478	98.268	N/A	N/A	AVERAGE

Engineer : Marlin	
Site : AC2 (3m Semi-Anechoic Chamber)	Time : 2008/07/02 - 09:54
Limit : FCC_SpartC_15.209_03M_PK	Margin : 0
EUT : Eee PC (M/N: Eee PC 701SD)	Probe : BBHA9120D_496(1-18GHz) - VERTICAL
Power : AC 120V/60Hz	Note : Mode 1: Transmit by 802.11b at 2412MHz



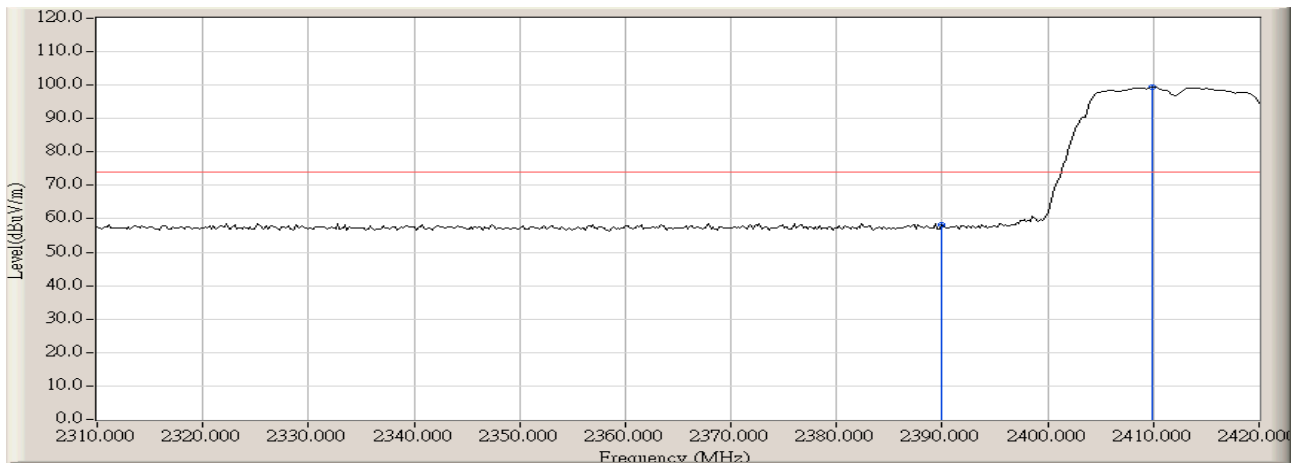
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2390.000	-3.202	60.252	57.050	-16.920	73.970	PEAK
2	*	2411.933	-3.213	106.703	103.491	N/A	N/A	PEAK

Engineer : Marlin	
Site : AC2 (3m Semi-Anechoic Chamber)	Time : 2008/07/02 - 09:55
Limit : FCC_SpartC_15.209_03M_AV	Margin : 0
EUT : Eee PC (M/N: Eee PC 701SD)	Probe : BBHA9120D_496(1-18GHz) - VERTICAL
Power : AC 120V/60Hz	Note : Mode 1: Transmit by 802.11b at 2412MHz



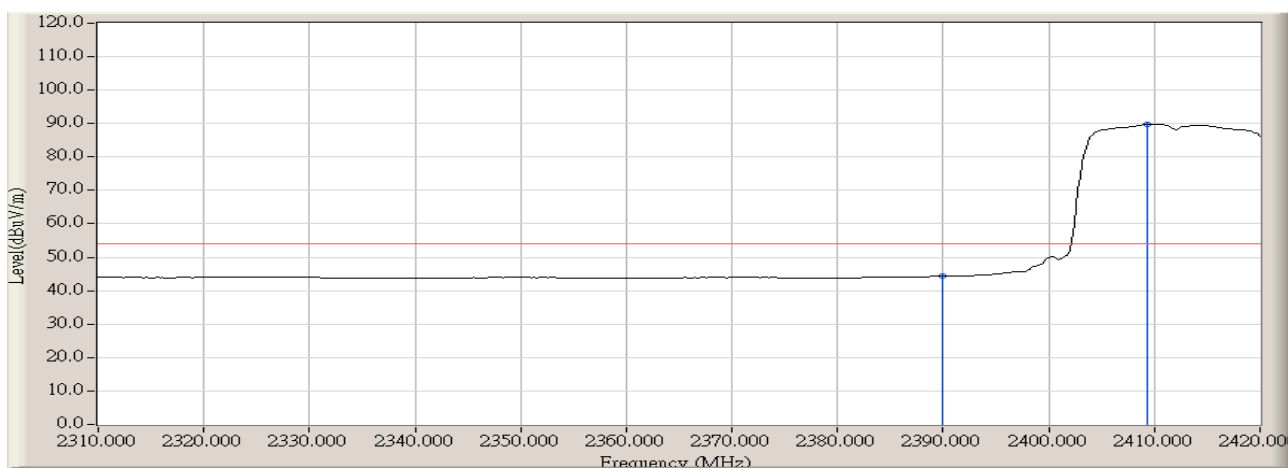
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2390.000	-3.202	47.710	44.508	-9.462	53.970	AVERAGE
2	*	2411.200	-3.211	102.106	98.896	N/A	N/A	AVERAGE

Engineer : Marlin	
Site : AC2 (3m Semi-Anechoic Chamber)	Time : 2008/07/02 - 10:22
Limit : FCC_SpartC_15.209_03M_PK	Margin : 0
EUT : Eee PC (M/N: Eee PC 701SD)	Probe : BBHA9120D_496(1-18GHz) - HORIZONTAL
Power : AC 120V/60Hz	Note : Mode 2: Transmit by 802.11g at 2412MHz



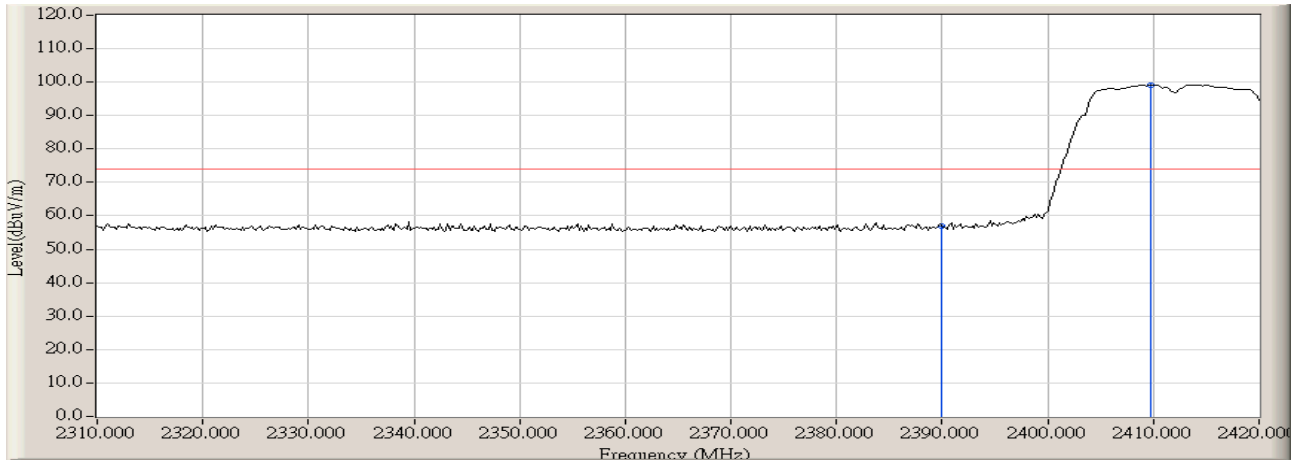
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2390.000	-3.202	61.366	58.164	-15.806	73.970	PEAK
2	*	2409.917	-3.208	102.535	99.326	N/A	N/A	PEAK

Engineer : Marlin	
Site : AC2 (3m Semi-Anechoic Chamber)	Time : 2008/07/02 - 10:24
Limit : FCC_SpartC_15.209_03M_AV	Margin : 0
EUT : Eee PC (M/N: Eee PC 701SD)	Probe : BBHA9120D_496(1-18GHz) - HORIZONTAL
Power : AC 120V/60Hz	Note : Mode 2: Transmit by 802.11g at 2412MHz



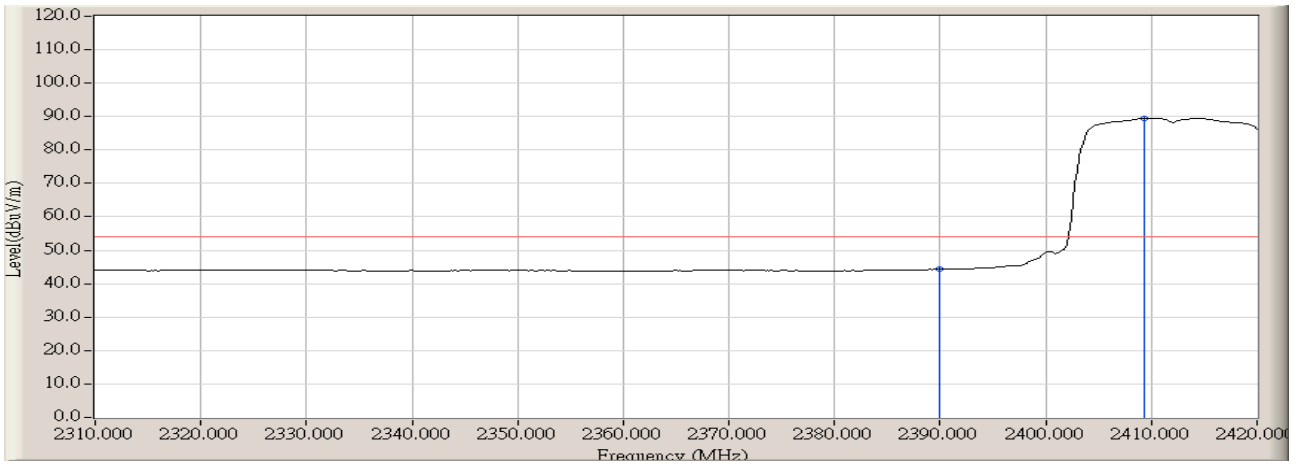
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2390.000	-3.202	47.535	44.333	-9.637	53.970	AVERAGE
2	*	2409.367	-3.208	93.013	89.805	N/A	N/A	AVERAGE

Engineer : Marlin	
Site : AC2 (3m Semi-Anechoic Chamber)	Time : 2008/07/02 - 10:18
Limit : FCC_SpartC_15.209_03M_PK	Margin : 0
EUT : Eee PC (M/N: Eee PC 701SD)	Probe : BBHA9120D_496(1-18GHz) - VERTICAL
Power : AC 120V/60Hz	Note : Mode 2: Transmit by 802.11g at 2412MHz



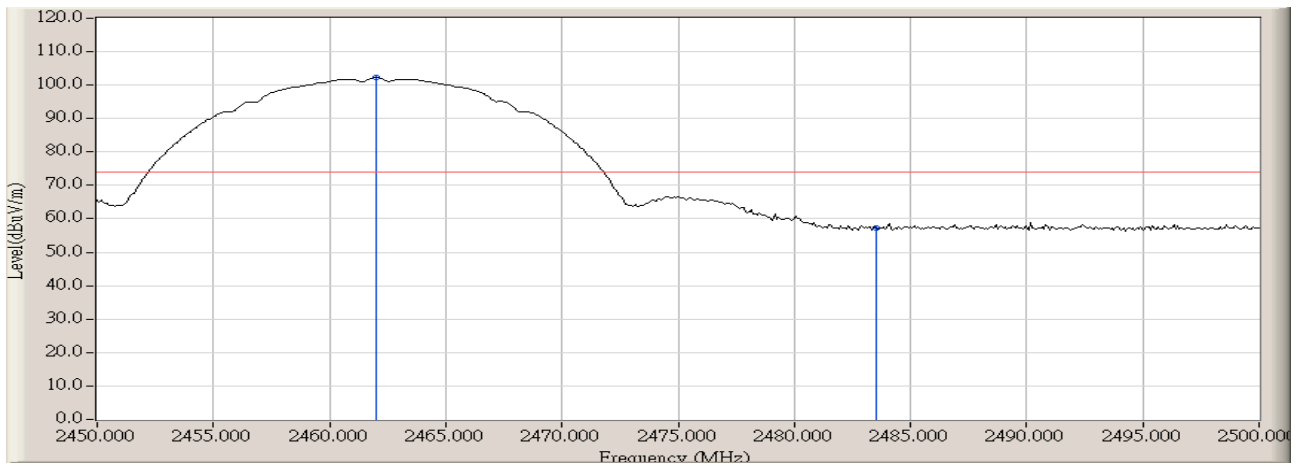
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2390.000	-3.202	60.212	57.010	-16.960	73.970	PEAK
2	*	2409.733	-3.208	102.420	99.211	N/A	N/A	PEAK

Engineer : Marlin	
Site : AC2 (3m Semi-Anechoic Chamber)	Time : 2008/07/02 - 10:19
Limit : FCC_SpartC_15.209_03M_AV	Margin : 0
EUT : Eee PC (M/N: Eee PC 701SD)	Probe : BBHA9120D_496(1-18GHz) - VERTICAL
Power : AC 120V/60Hz	Note : Mode 2: Transmit by 802.11g at 2412MHz



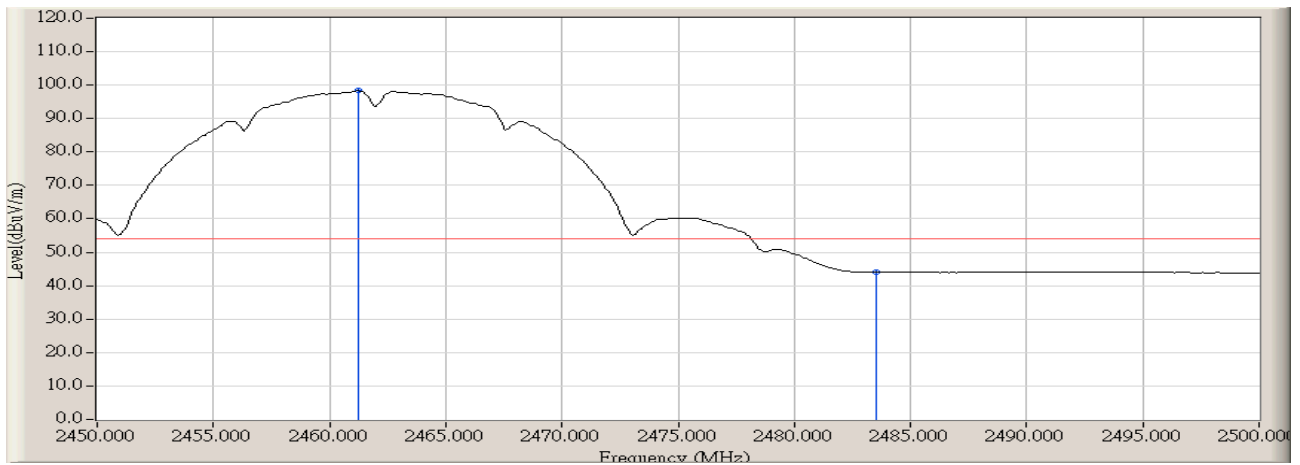
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2390.000	-3.202	47.483	44.281	-9.689	53.970	AVERAGE
2	*	2409.367	-3.208	92.795	89.587	N/A	N/A	AVERAGE

Engineer : Marlin	
Site : AC2 (3m Semi-Anechoic Chamber)	Time : 2008/07/02 - 10:32
Limit : FCC_SpartC_15.209_03M_PK	Margin : 0
EUT : Eee PC (M/N: Eee PC 701SD)	Probe : BBHA9120D_496(1-18GHz) - HORIZONTAL
Power : AC 120V/60Hz	Note : Mode 1: Transmit by 802.11b at 2462MHz



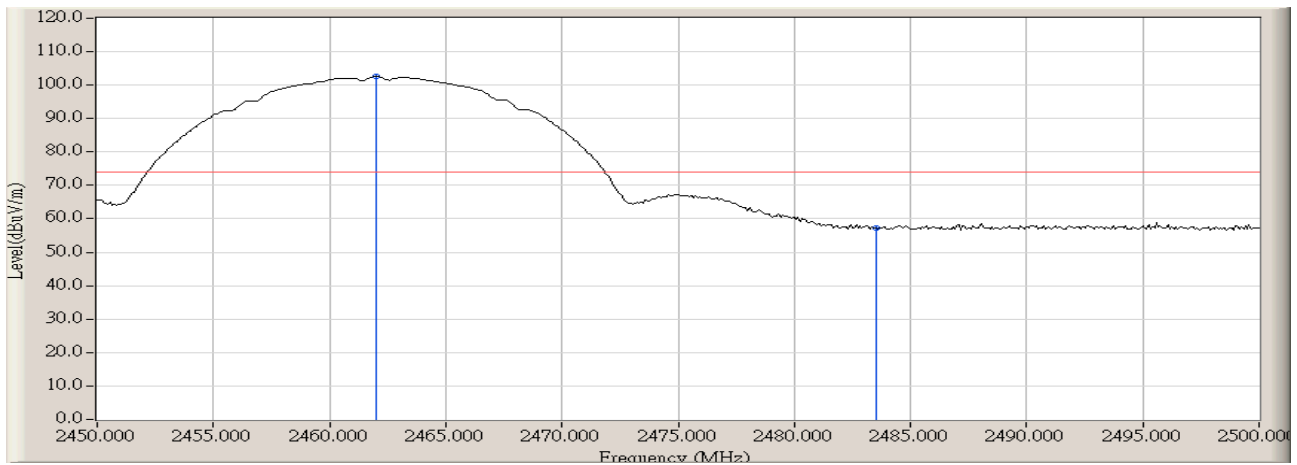
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	2462.000	-3.260	105.494	102.234	N/A	N/A	PEAK
2		2483.500	-3.177	60.531	57.354	-16.616	73.970	PEAK

Engineer : Marlin	
Site : AC2 (3m Semi-Anechoic Chamber)	Time : 2008/07/02 - 10:33
Limit : FCC_SpartC_15.209_03M_AV	Margin : 0
EUT : Eee PC (M/N: Eee PC 701SD)	Probe : BBHA9120D_496(1-18GHz) - HORIZONTAL
Power : AC 120V/60Hz	Note : Mode 1: Transmit by 802.11b at 2462MHz



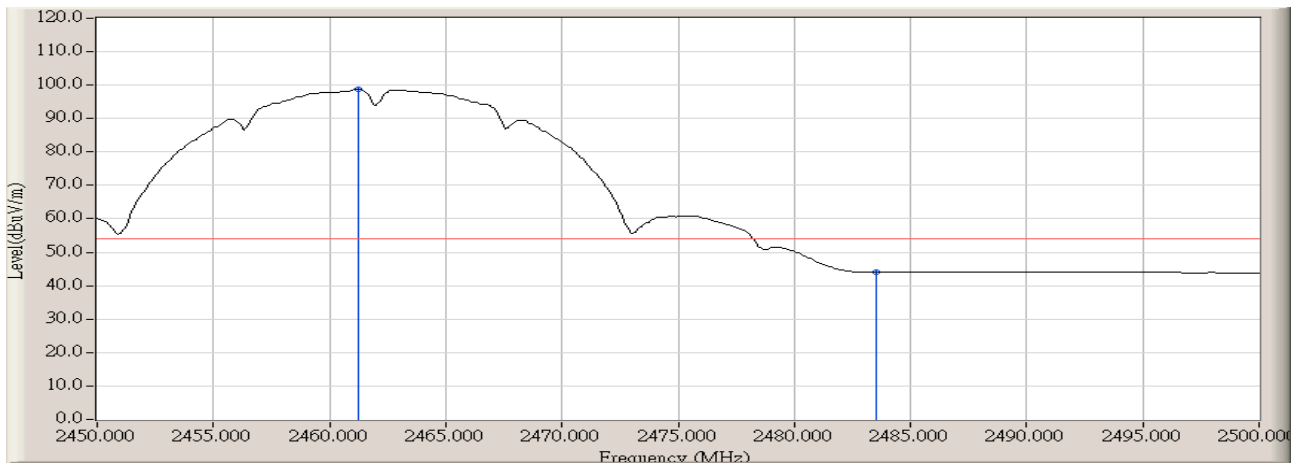
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	2461.250	-3.261	101.587	98.325	N/A	N/A	AVERAGE
2		2483.500	-3.177	47.110	43.933	-10.037	53.970	AVERAGE

Engineer : Marlin	
Site : AC2 (3m Semi-Anechoic Chamber)	Time : 2008/07/02 - 10:28
Limit : FCC_SpartC_15.209_03M_PK	Margin : 0
EUT : Eee PC (M/N: Eee PC 701SD)	Probe : BBHA9120D_496(1-18GHz) - VERTICAL
Power : AC 120V/60Hz	Note : Mode 1: Transmit by 802.11b at 2462MHz



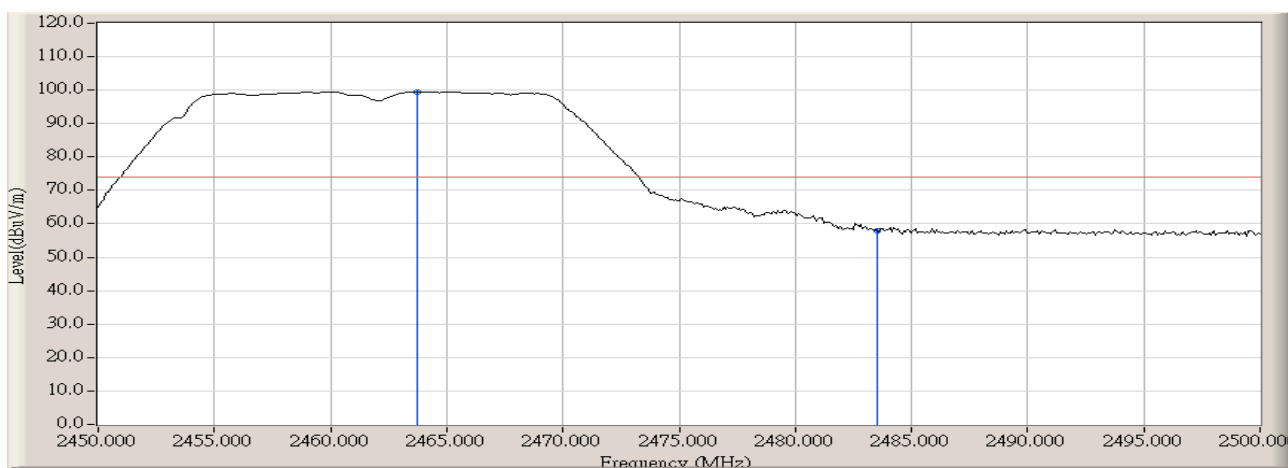
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	2462.000	-3.260	105.863	102.603	N/A	N/A	PEAK
2		2483.500	-3.177	60.356	57.179	-16.791	73.970	PEAK

Engineer : Marlin	
Site : AC2 (3m Semi-Anechoic Chamber)	Time : 2008/07/02 - 10:30
Limit : FCC_SpartC_15.209_03M_AV	Margin : 0
EUT : Eee PC (M/N: Eee PC 701SD)	Probe : BBHA9120D_496(1-18GHz) - VERTICAL
Power : AC 120V/60Hz	Note : Mode 1: Transmit by 802.11b at 2462MHz



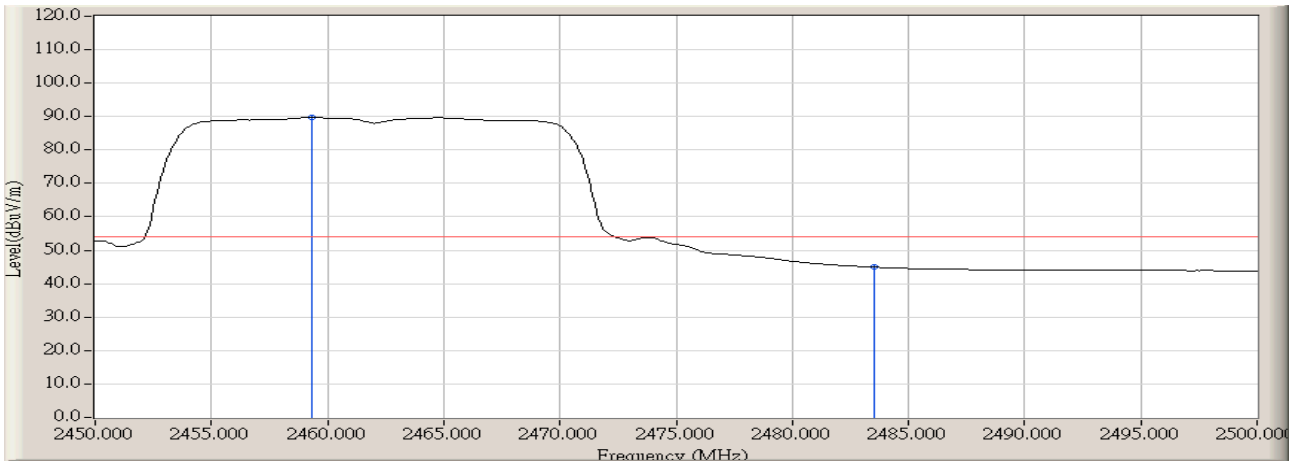
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	2461.250	-3.261	102.009	98.747	N/A	N/A	AVERAGE
2		2483.500	-3.177	47.156	43.979	-9.991	53.970	AVERAGE

Engineer : Marlin	
Site : AC2 (3m Semi-Anechoic Chamber)	Time : 2008/07/02 - 10:39
Limit : FCC_SpartC_15.209_03M_PK	Margin : 0
EUT : Eee PC (M/N: Eee PC 701SD)	Probe : BBHA9120D_496(1-18GHz) - HORIZONTAL
Power : AC 120V/60Hz	Note : Mode 2: Transmit by 802.11g at 2462MHz



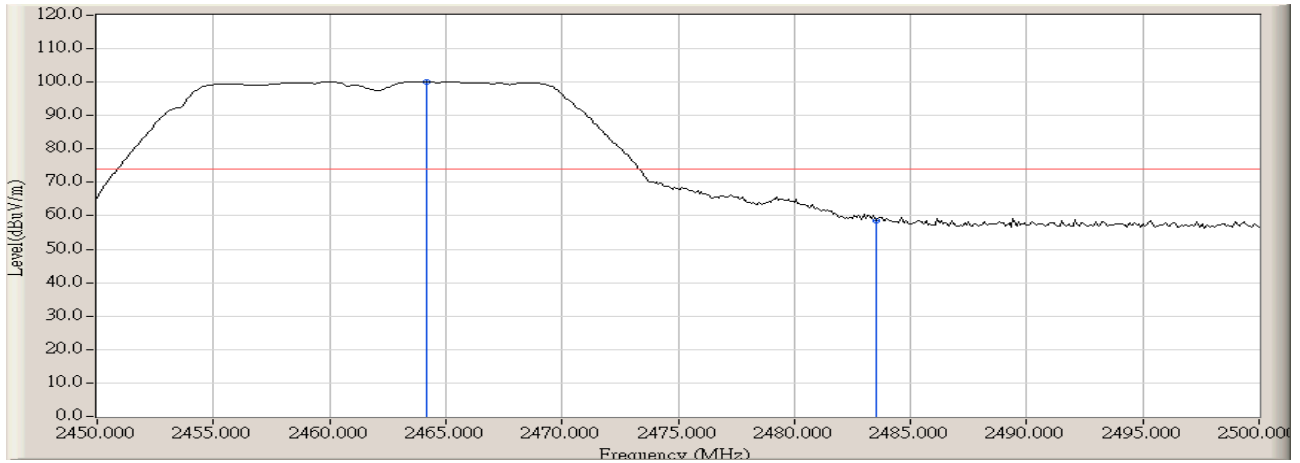
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	2463.750	-3.253	102.806	99.553	N/A	N/A	PEAK
2		2483.500	-3.177	61.092	57.915	-16.055	73.970	PEAK

Engineer : Marlin	
Site : AC2 (3m Semi-Anechoic Chamber)	Time : 2008/07/02 - 10:41
Limit : FCC_SpartC_15.209_03M_AV	Margin : 0
EUT : Eee PC (M/N: Eee PC 701SD)	Probe : BBHA9120D_496(1-18GHz) - HORIZONTAL
Power : AC 120V/60Hz	Note : Mode 2: Transmit by 802.11g at 2462MHz



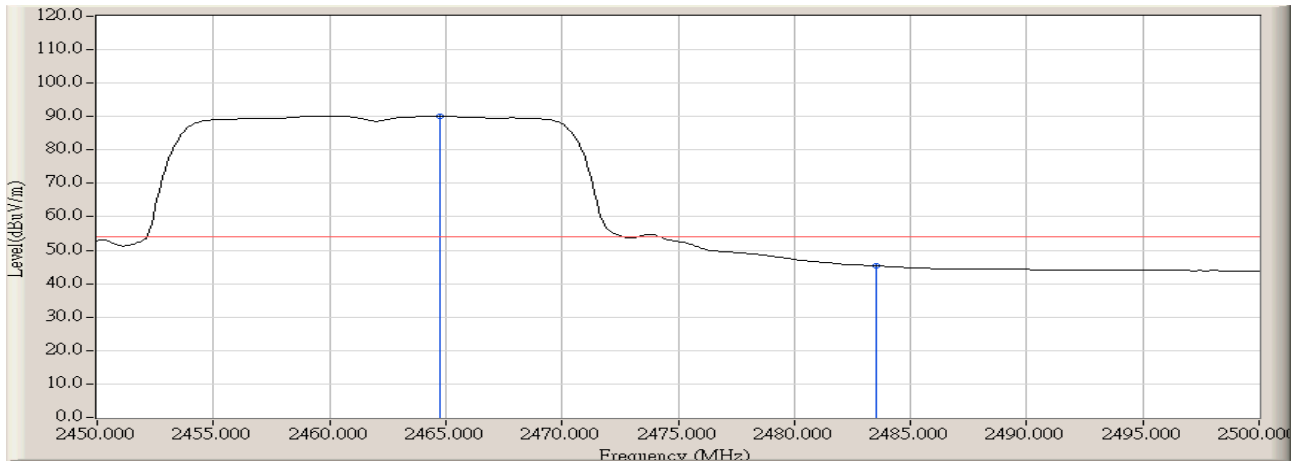
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	2459.333	-3.267	92.992	89.726	N/A	N/A	AVERAGE
2		2483.500	-3.177	48.191	45.014	-8.956	53.970	AVERAGE

Engineer : Marlin	
Site : AC2 (3m Semi-Anechoic Chamber)	Time : 2008/07/02 - 10:36
Limit : FCC_SpartC_15.209_03M_PK	Margin : 0
EUT : Eee PC (M/N: Eee PC 701SD)	Probe : BBHA9120D_496(1-18GHz) - VERTICAL
Power : AC 120V/60Hz	Note : Mode 2: Transmit by 802.11g at 2462MHz



		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	2464.167	-3.251	103.362	100.111	N/A	N/A	PEAK
2		2483.500	-3.177	61.625	58.448	-15.522	73.970	PEAK

Engineer : Marlin	
Site : AC2 (3m Semi-Anechoic Chamber)	Time : 2008/07/02 - 10:37
Limit : FCC_SpartC_15.209_03M_AV	Margin : 0
EUT : Eee PC (M/N: Eee PC 701SD)	Probe : BBHA9120D_496(1-18GHz) - VERTICAL
Power : AC 120V/60Hz	Note : Mode 2: Transmit by 802.11g at 2462MHz



		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	2464.750	-3.249	93.440	90.191	N/A	N/A	AVERAGE
2		2483.500	-3.177	48.499	45.322	-8.648	53.970	AVERAGE

7. Operation Frequency Range of 20dB Bandwidth

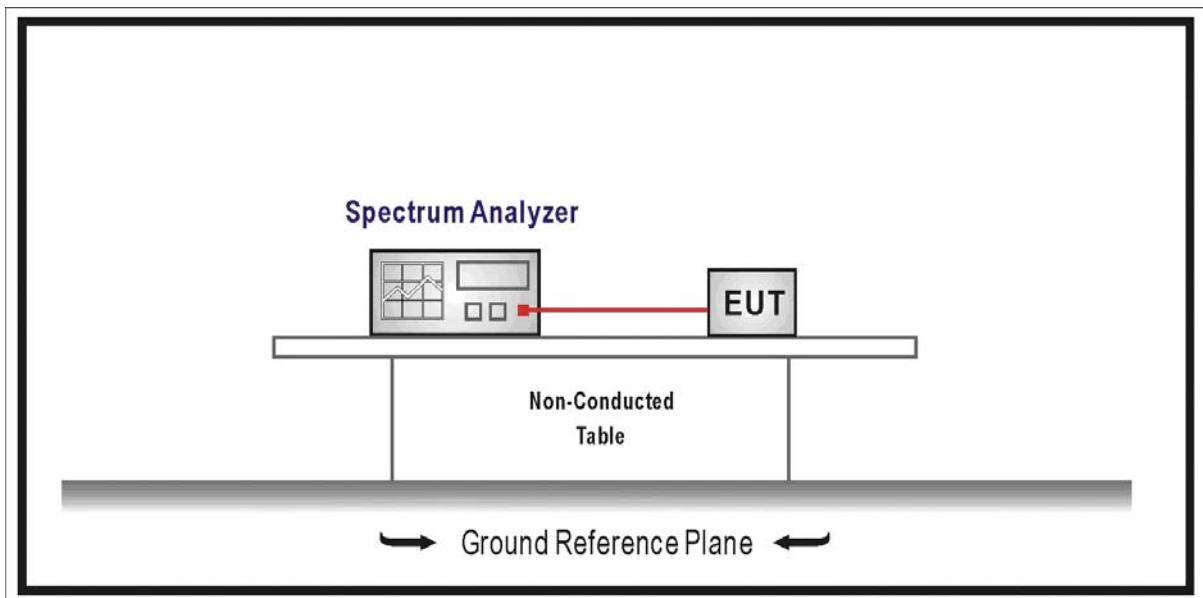
7.1. Test Equipment

Operation Frequency Range of 20dB Bandwidth / AC-4

Instrument	Manufacturer	Type No.	Serial No.	Cal. Date
Spectrum Analyzer	Agilent	E4446A	MY45300103	2008/06/11
Coaxial Cable	Huber+Suhner	AC4-RF	09	2007/11/25
Temperature/Humidity Meter	zhicheng	ZC1-2	QT-TH007	2008/03/09

Note: All equipments are calibrated with traceable calibrations. Each calibration is traceable to the national or international standards.

7.2. Test Setup



7.3. Limit

20 dB bandwidth of the emission is contained within the operation frequency band.

7.4. Test Procedure

The EUT was tested according to DTS test procedure of Oct 2002 KDB558074 for compliance to FCC 47CFR 15.247 requirements.

Set RBW = 100 kHz, Span greater than RBW.

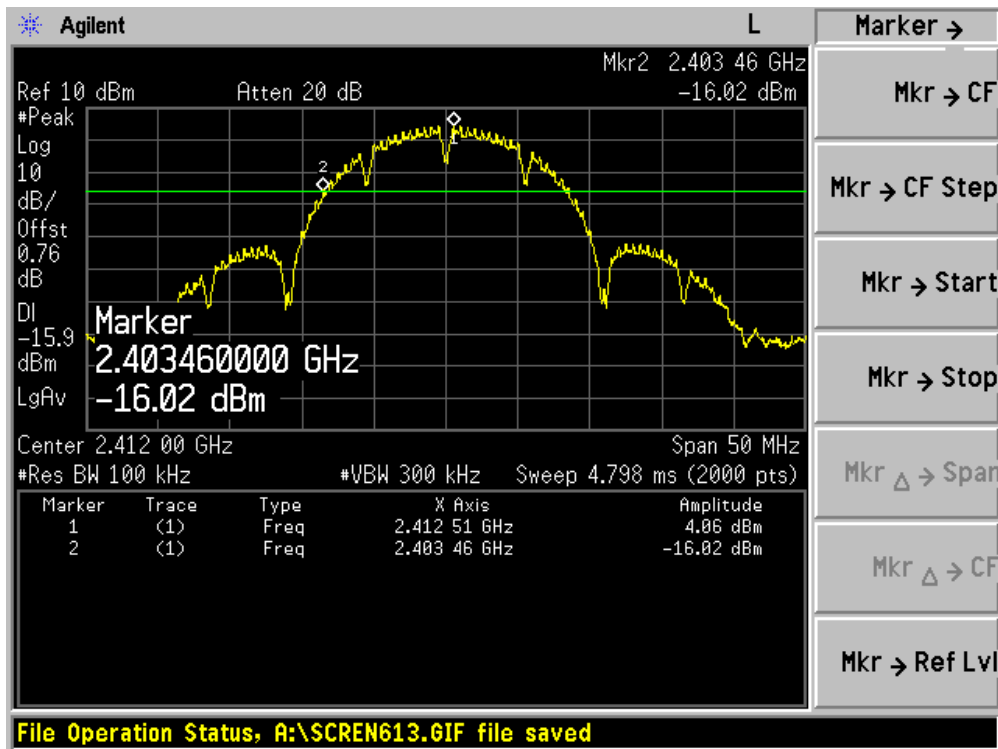
7.5. Uncertainty

The measurement uncertainty is defined as ± 1 kHz

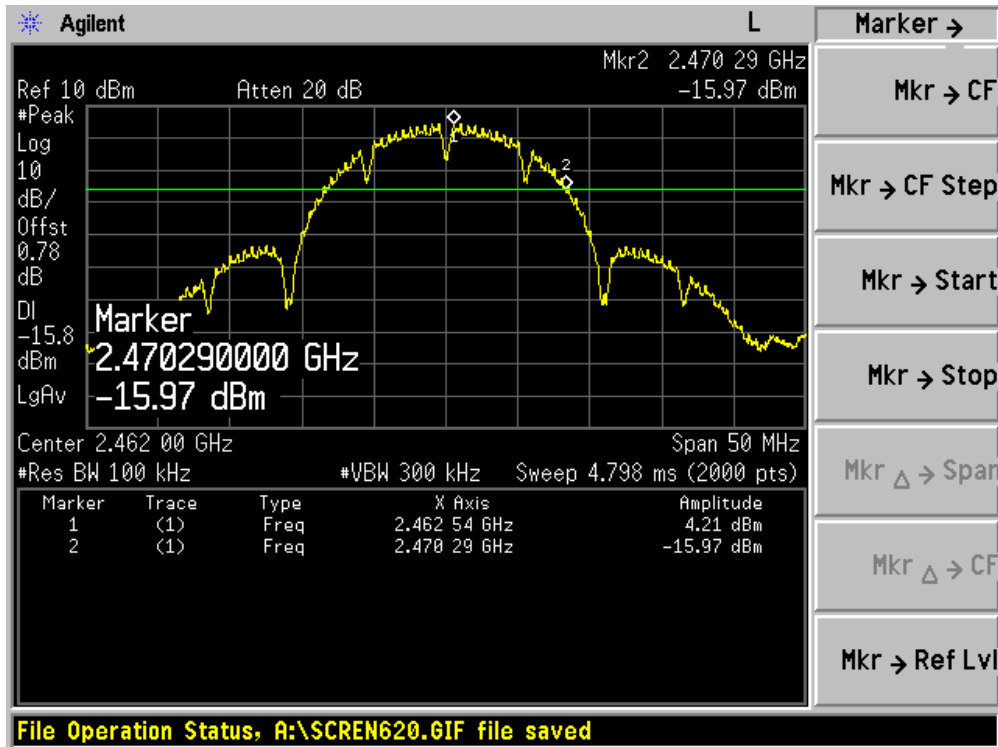
7.6. Test Result

Product	:	Eee PC
Test Item	:	Operation Frequency Range of 20dB Bandwidth
Test Site	:	AC-4
Test Mode	:	Mode 1: Transmit by 802.11b

Channel 01 (2412MHz)

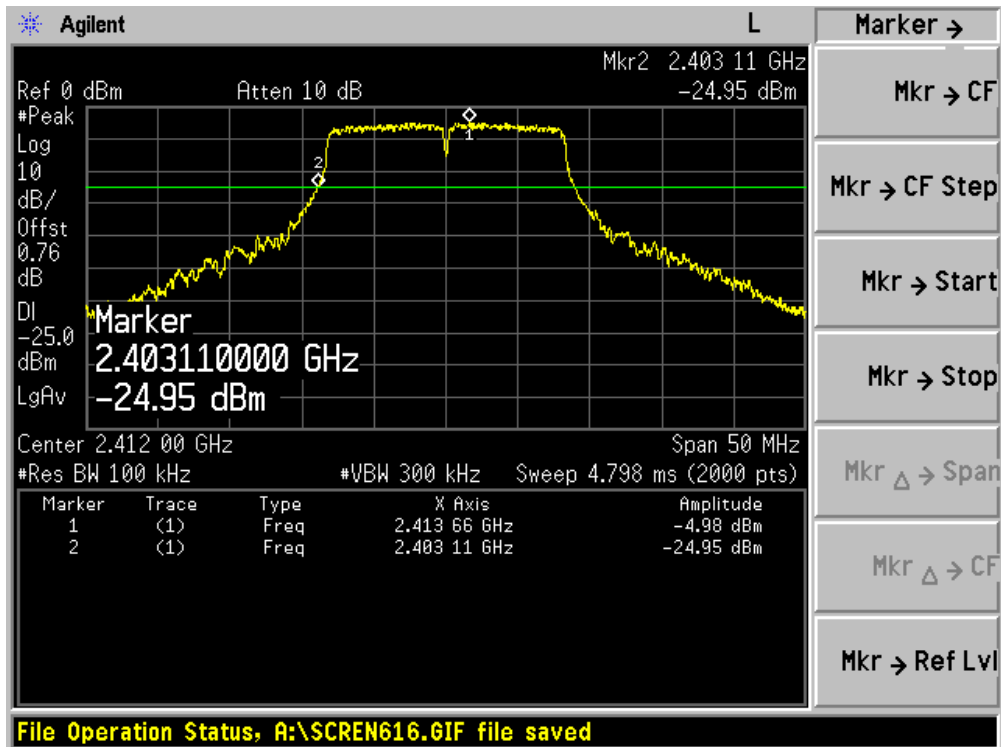


Channel 11 (2462MHz)

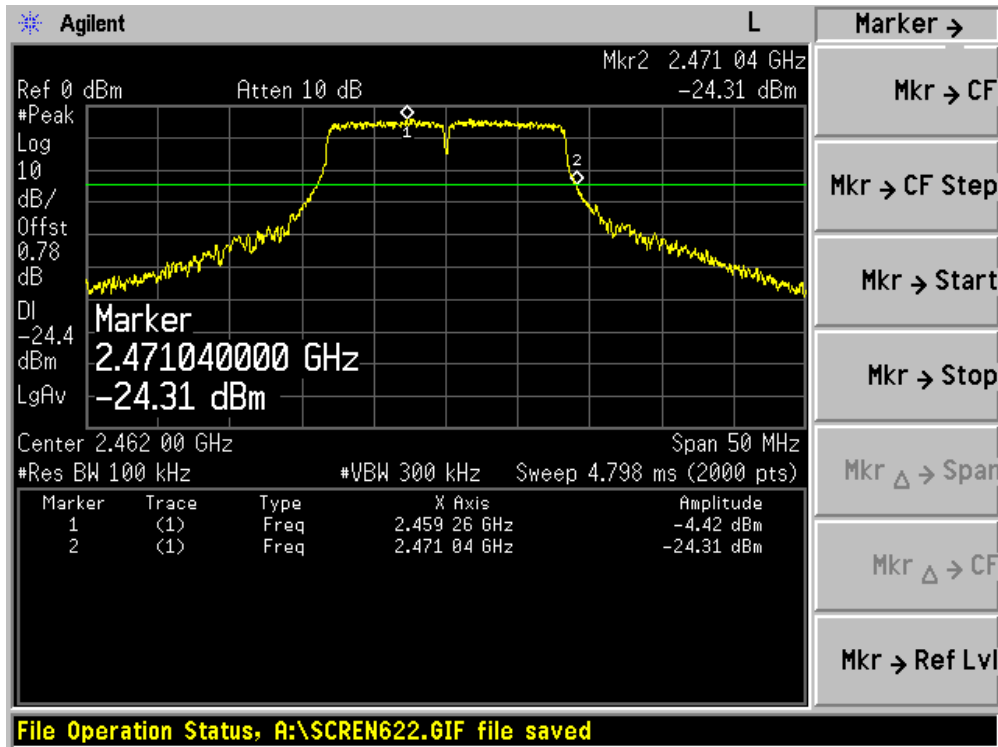


Product	:	Eee PC
Test Item	:	Operation Frequency Range of 20dB Bandwidth
Test Site	:	AC-4
Test Mode	:	Mode 2: Transmit by 802.11g

Channel 01 (2412MHz)



Channel 11 (2462MHz)



8. Occupied Bandwidth

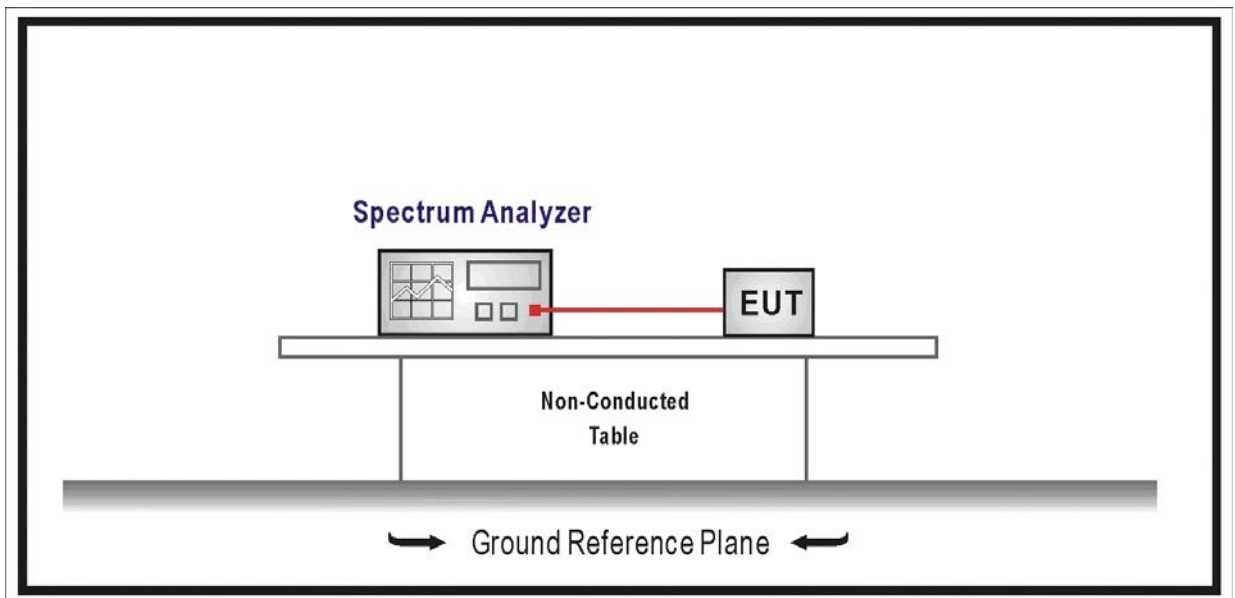
8.1. Test Equipment

Occupied Bandwidth / AC-4

Instrument	Manufacturer	Type No.	Serial No.	Cal. Date
Spectrum Analyzer	Agilent	E4446A	MY45300103	2008/06/11
Coaxial Cable	Huber+Suhner	AC4-RF	09	2007/11/25
Temperature/Humidity Meter	zhicheng	ZC1-2	QT-TH007	2008/03/09

Note: All equipments are calibrated with traceable calibrations. Each calibration is traceable to the national or international standards.

8.2. Test Setup



8.3. Limit

The minimum 6 dB bandwidth shall be at least 500 kHz.

8.4. Test Procedure

The EUT was tested according to DTS test procedure of Oct 2002 KDB558074 for compliance to FCC 47CFR 15.247 requirements.

Set RBW = 100 kHz, Span greater than RBW.

8.5. Uncertainty

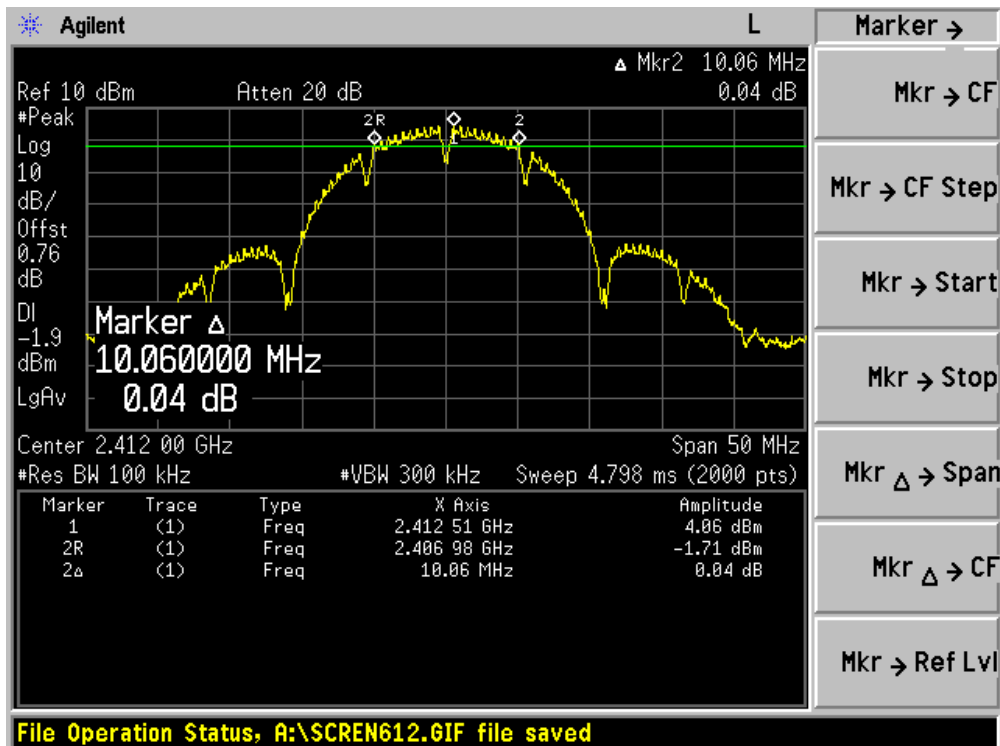
The measurement uncertainty is defined as ± 1 kHz

8.6. Test Result

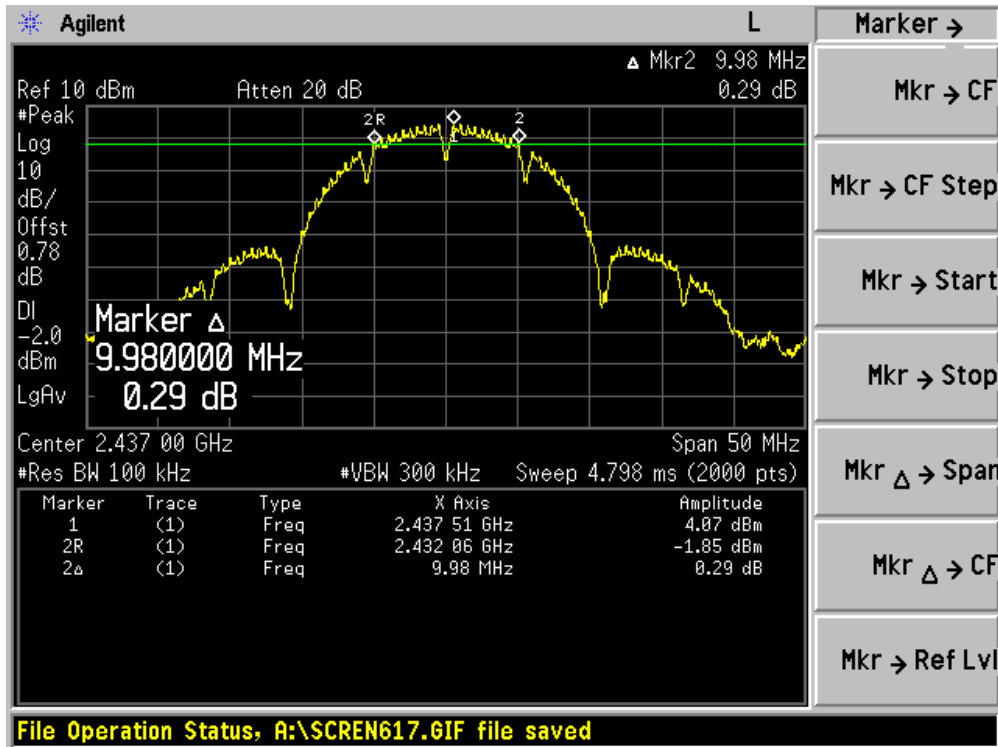
Product	:	Eee PC
Test Item	:	Occupied Bandwidth
Test Site	:	AC-4
Test Mode	:	Mode 1: Transmit by 802.11b

Channel No.	Frequency (MHz)	Occupied Bandwidth (kHz)	Limit (kHz)	Result
01	2412	10060	500	Pass
06	2437	9980	500	Pass
11	2462	10080	500	Pass

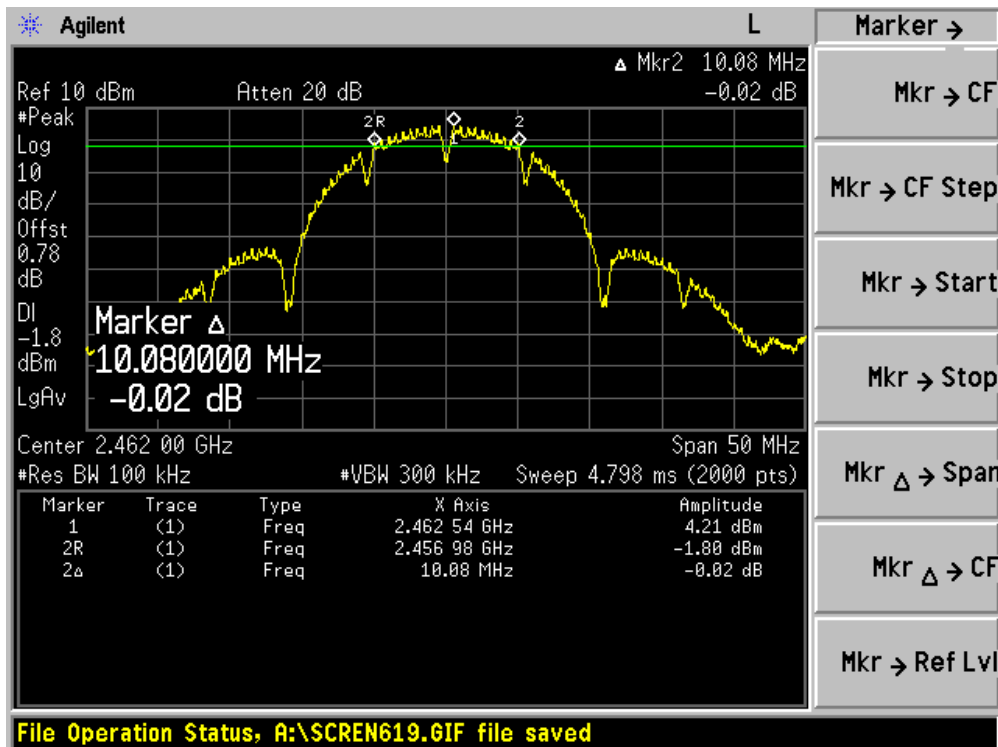
Channel 01 (2412MHz)



Channel 06 (2437MHz)



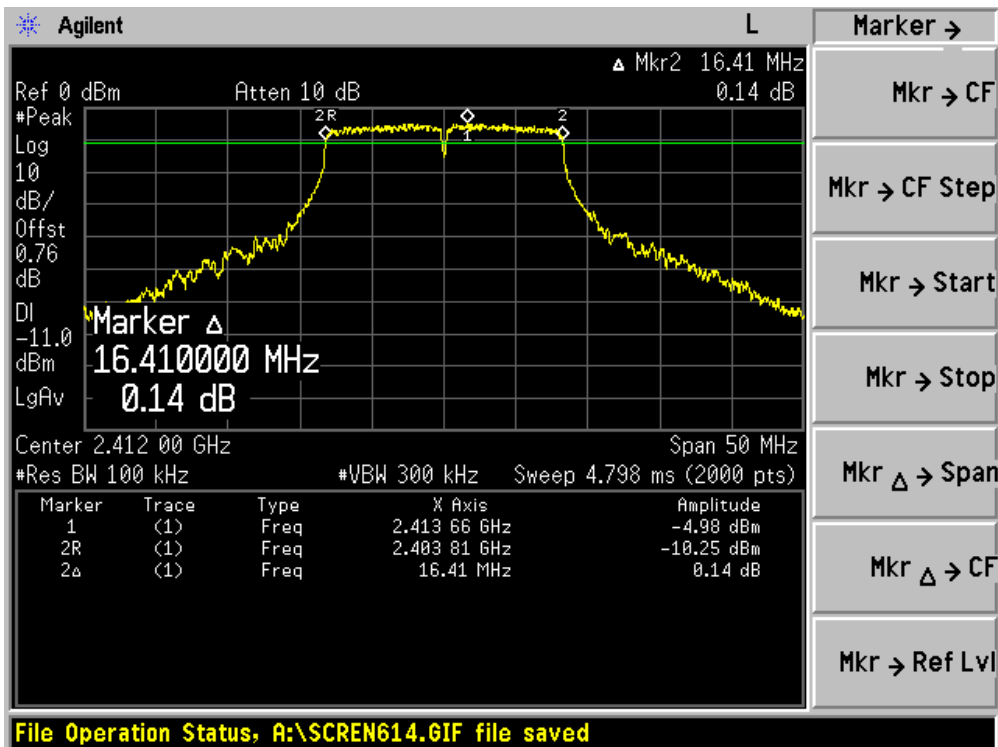
Channel 11 (2462MHz)



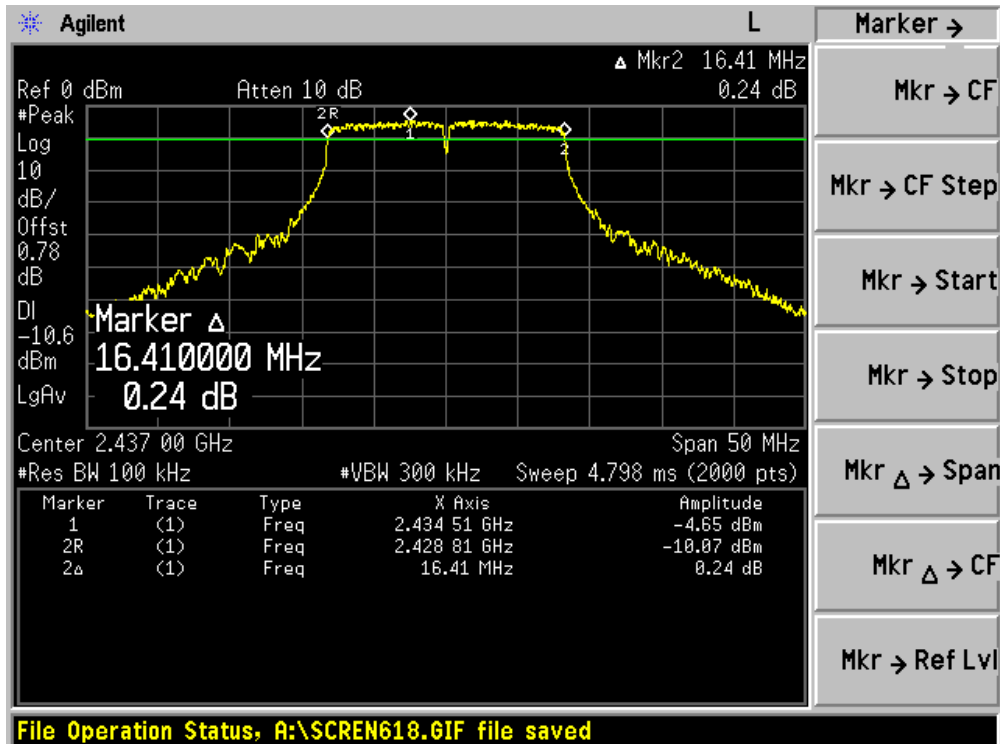
Product	: Eee PC
Test Item	: Occupied Bandwidth
Test Site	: AC-4
Test Mode	: Mode 2: Transmit by 802.11g

Channel No.	Frequency (MHz)	Occupied Bandwidth (kHz)	Limit (kHz)	Result
01	2412	16410	500	Pass
06	2437	16410	500	Pass
11	2462	16480	500	Pass

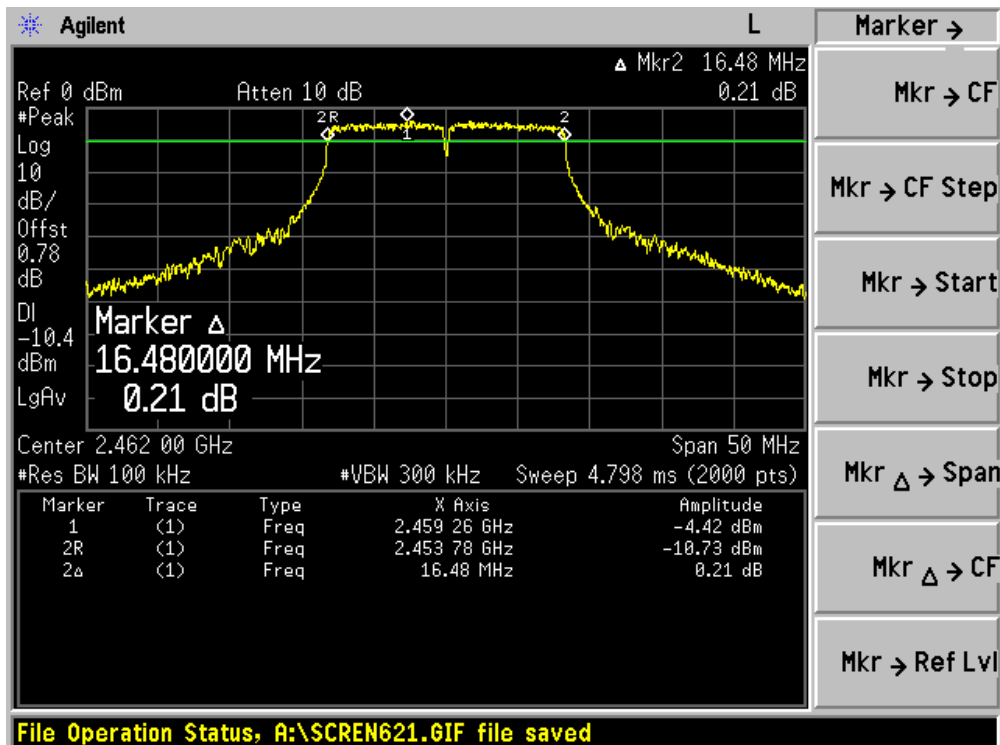
Channel 01 (2412MHz)



Channel 06 (2437MHz)



Channel 11 (2462MHz)



9. Power Output

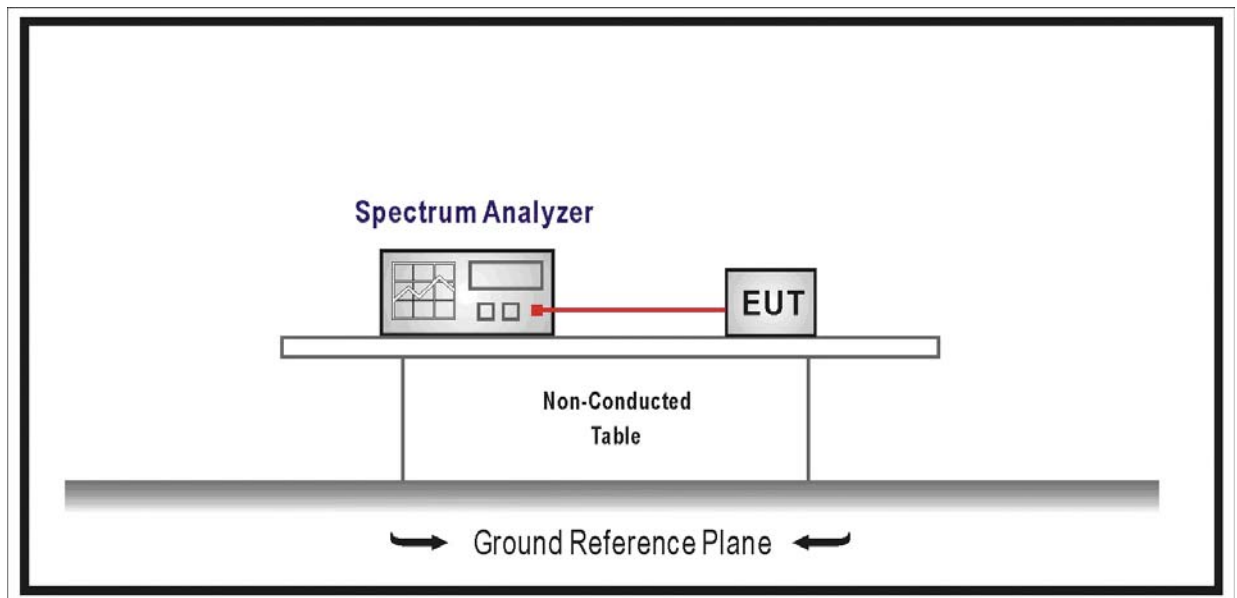
9.1. Test Equipment

Power Output / AC-4

Instrument	Manufacturer	Type No.	Serial No.	Cal. Date
Spectrum Analyzer	Agilent	E4446A	MY45300103	2008/06/11
Coaxial Cable	Huber+Suhner	AC4-RF	09	2007/11/25
Temperature/Humidity Meter	zhicheng	ZC1-2	QT-TH007	2008/03/09

Note: All equipments are calibrated with traceable calibrations. Each calibration is traceable to the national or international standards.

9.2. Test Setup



9.3. Limit

The maximum peak power shall be less 1 Watt (30dBm).

Note: the conducted output power limit specified above is based on the use the antennas with directional gains that do not exceed 6 dBi are used, the conducted output power from the intentional radiator shall be reduced below the stated values above, as appropriate, by the amount in dB that the directional gain of antenna exceeds 6 dBi.

9.4. Test Procedure

The EUT was tested according to DTS test procedure of Oct 2002 KDB558074 for compliance to FCC 47CFR 15.247 requirements.

Power output measurement allowed per Section 15.247(b)(3).

In the following, “T” is the transmission pulse duration over which the transmitter is on and transmitting at its maximum power control level. Measurements are performed with a spectrum analyzer. Three methods are provided to accommodate measurement limitations of the spectrum analyzer depending on signal parameters. Set resolution bandwidth (RBW) = 1 MHz. Set span to encompass the entire emission bandwidth (EBW) of the signal. Use automatic setting for analyzer sweep time.

As “T” \geq sweep time, the test procedure will be used as following:

1. Set span to encompass the entire emission bandwidth (EBW) of the signal.
2. Set RBW = 1 MHz.
3. Set VBW \geq 3 MHz.
4. Use sample detector mode if bin width (i.e., span/number of points in spectrum display) < 0.5 RBW. Otherwise use peak detector mode.
5. Use a video trigger with the trigger level set to enable triggering only on full power pulses. Transmitter must operate at full control power for entire sweep of every sweep. If the device transmits continuously, with no off intervals or reduced power intervals, the trigger may be set to “free run”.
6. Trace average 100 traces in power averaging mode.
7. Compute power by integrating the spectrum across the 26 dB EBW of the signal. The integration can be performed using the spectrum analyzer’s band power measurement function with band limits set equal to the EBW band edges or by summing power levels in each 1 MHz band in linear power terms. The 1 MHz band power levels to be summed can be obtained by averaging, in linear power terms, power levels in each frequency bin across the 1 MHz.

9.5. Uncertainty

The measurement uncertainty is defined as ± 1.27 dB

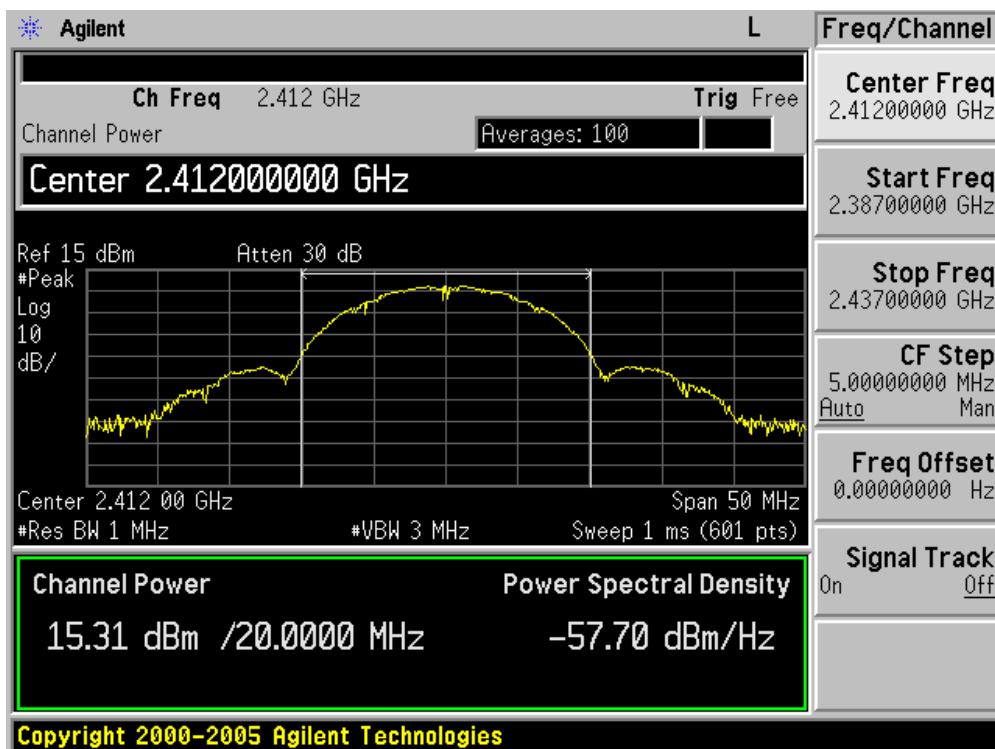
9.6. Test Result

Product	:	Eee PC
Test Item	:	Power Output
Test Site	:	AC-4
Test Mode	:	Mode 1: Transmit by 802.11b

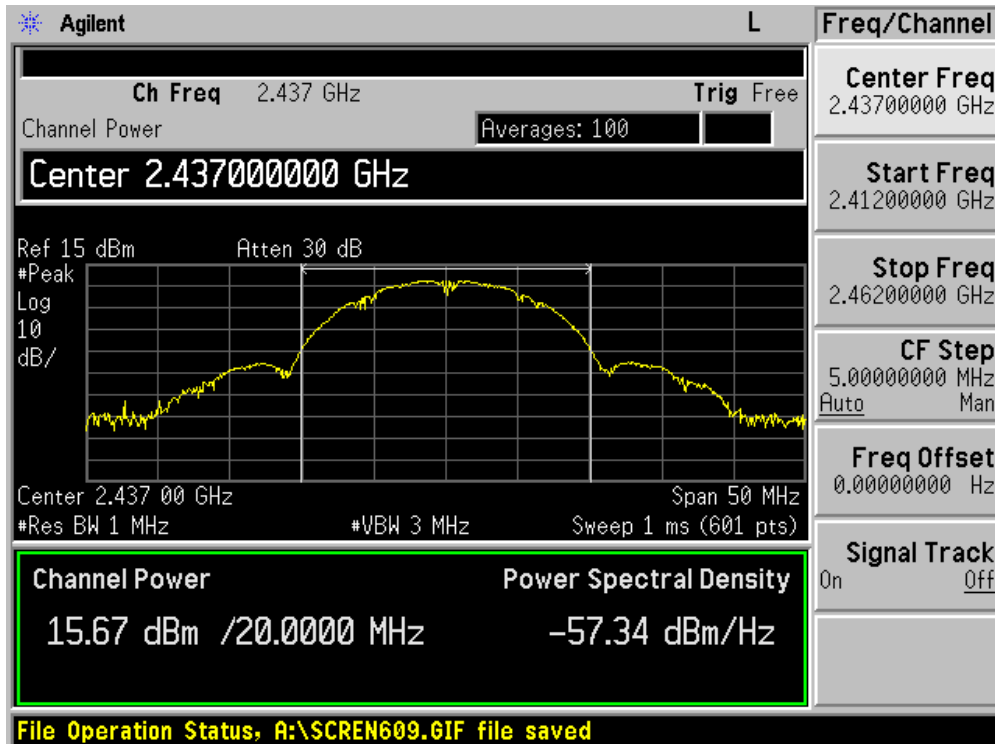
Channel No.	Frequency (MHz)	Data Rate (Mbps)				Limit (dBm)
		1	2	5.5	11	
01	2412	15.31	--	--	--	30
06	2437	15.67	15.61	15.55	15.53	30
11	2462	15.92	--	--	--	30

Note: The antenna gain of transmitter is less than 6 dBi and other than fixed, point-to-point operation, therefore the limit is 30 dBm.

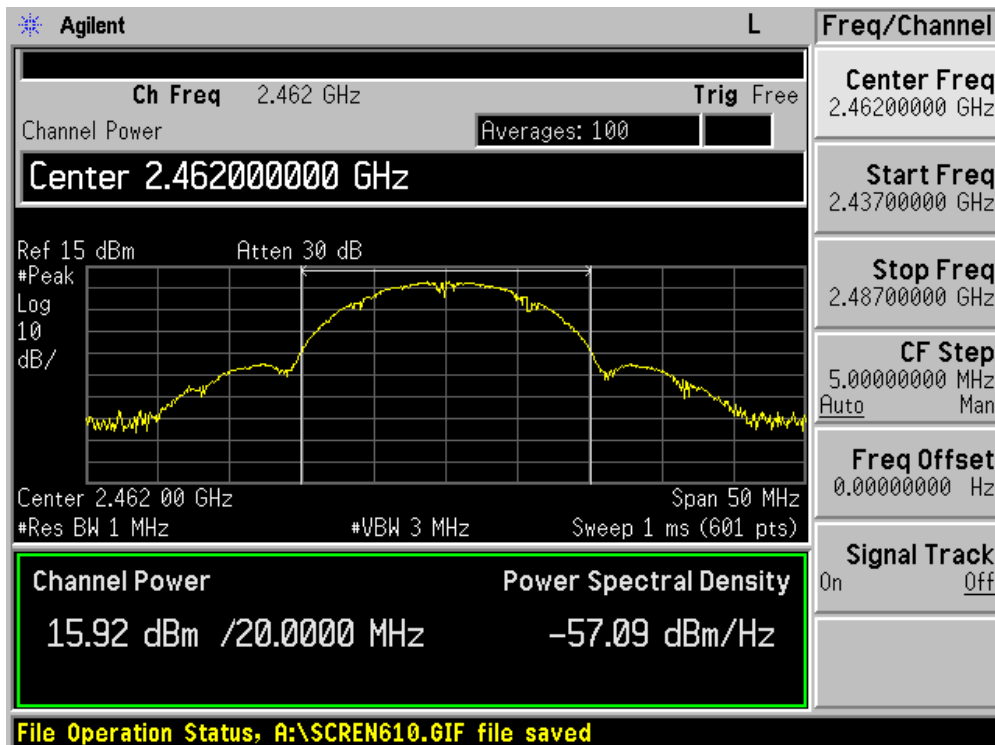
Channel 01 (2412MHz)



Channel 06 (2437MHz)



Channel 11 (2462MHz)

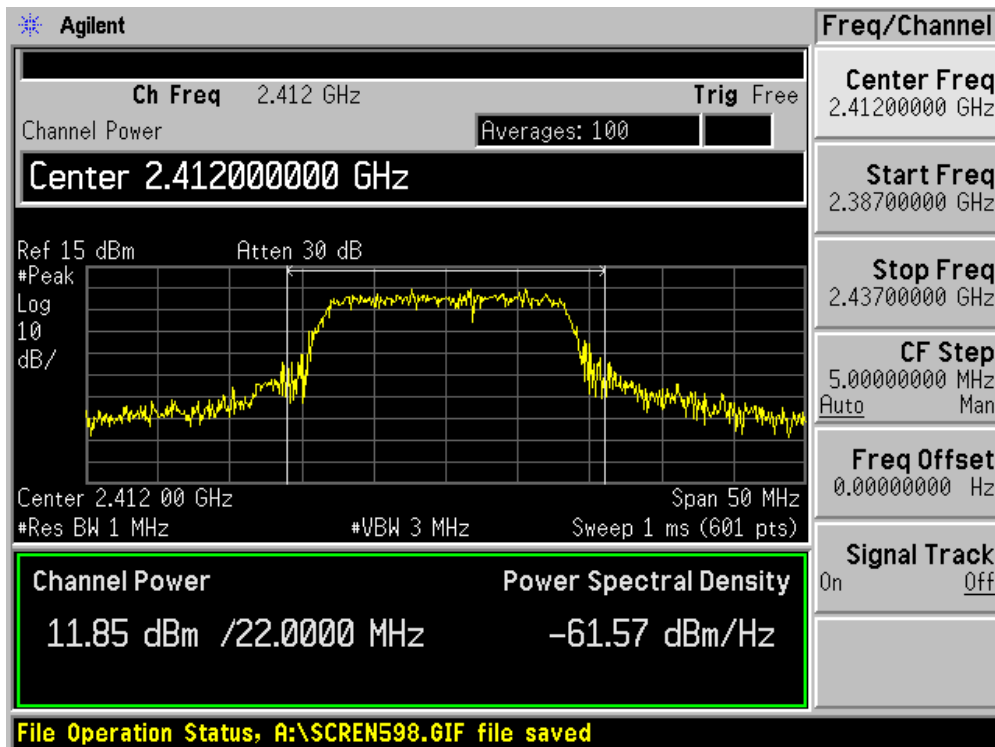


Product	:	Eee PC
Test Item	:	Power Output
Test Site	:	AC-4
Test Mode	:	Mode 2: Transmit by 802.11g

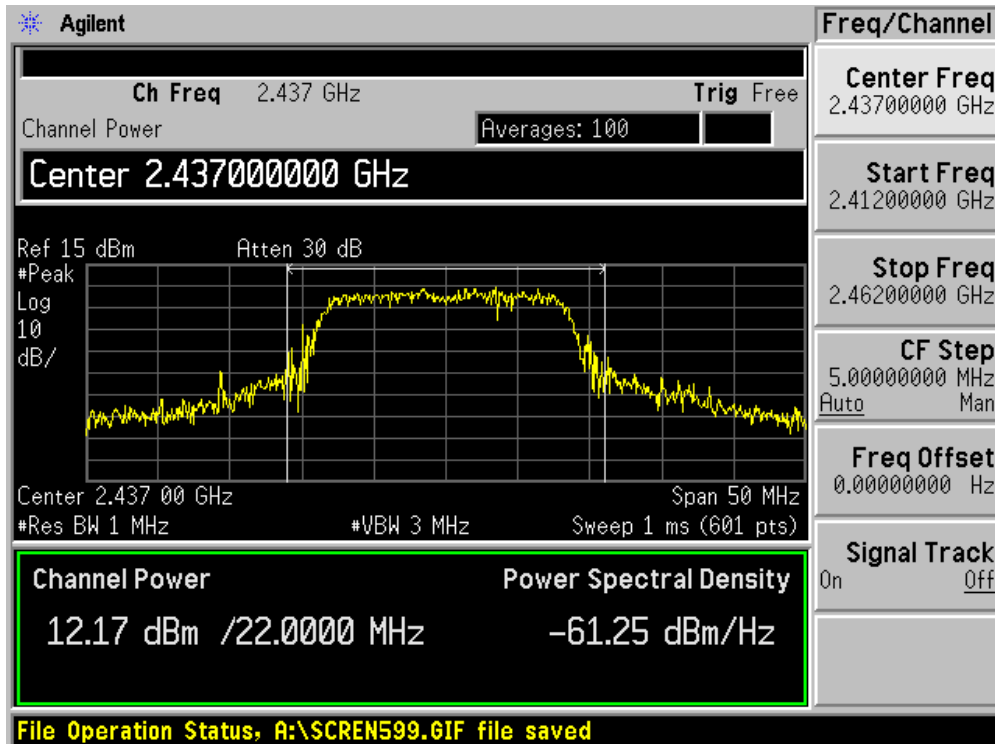
Channel No.	Frequency (MHz)	Data Rate (Mbps)								Limit (dBm)
		6	9	12	18	24	36	48	54	
01	2412	11.85	--	--	--	--	--	--	--	30
06	2437	12.17	12.12	12.09	12.05	12.01	11.94	11.90	11.84	30
11	2462	12.39	--	--	--	--	--	--	--	30

Note: The antenna gain of transmitter is less than 6 dBi and other than fixed, point-to-point operation, therefore the limit is 30 dBm.

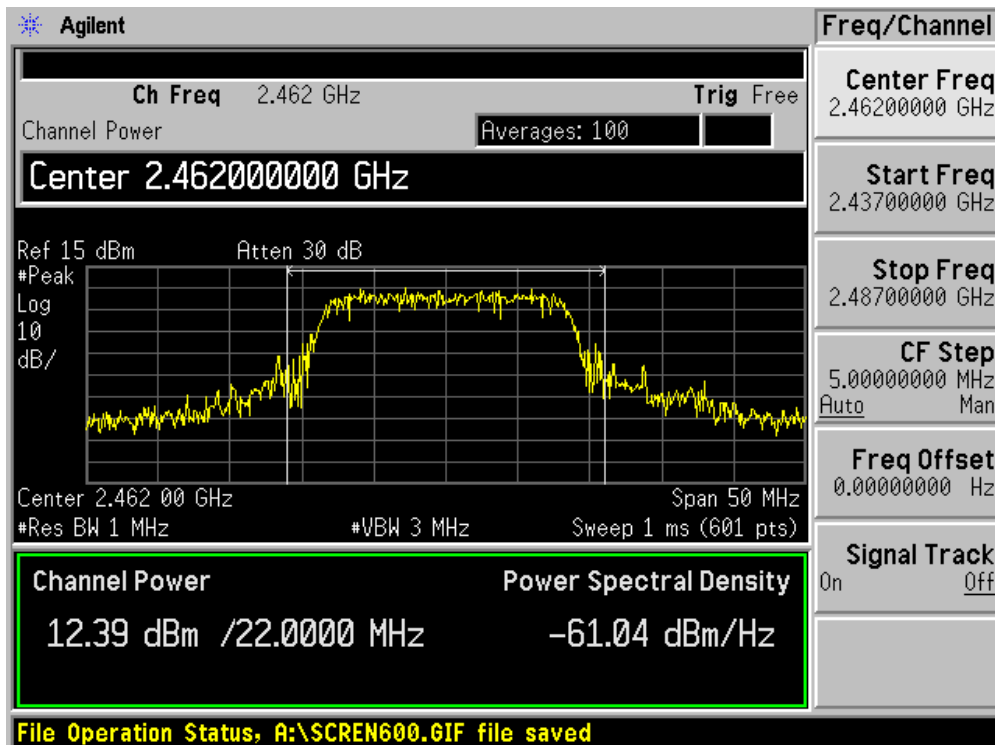
Channel 01 (2412MHz)



Channel 06 (2437MHz)



Channel 11 (2462MHz)



10. Power Spectral Density

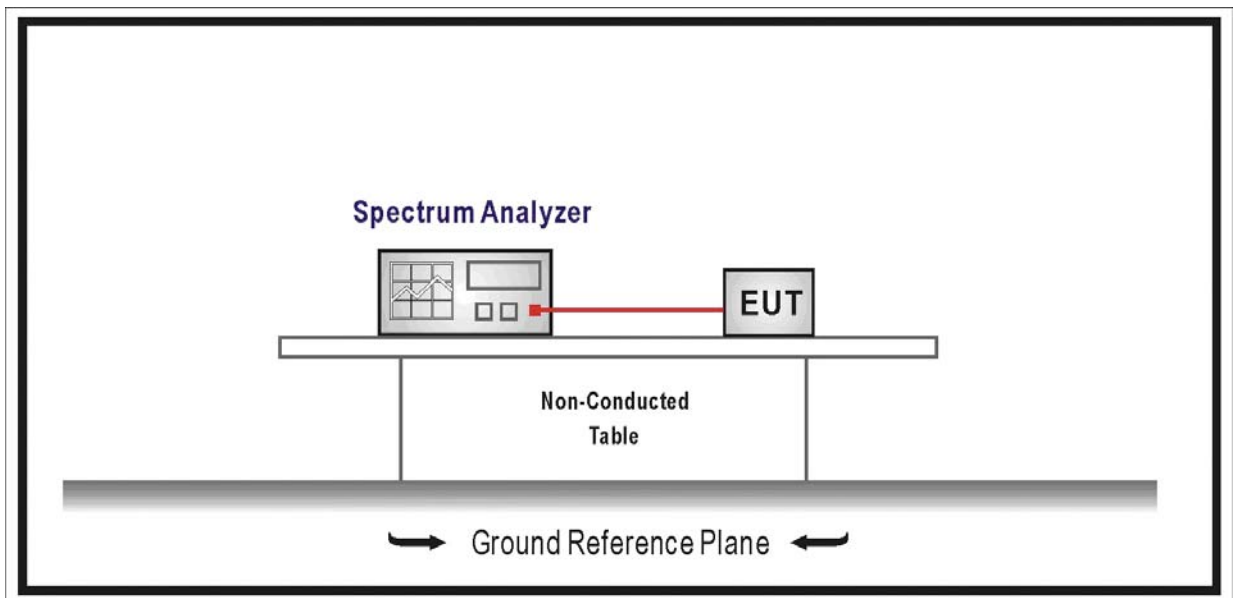
10.1. Test Equipment

Power Spectral Density / AC-4

Instrument	Manufacturer	Type No.	Serial No.	Cal. Date
Spectrum Analyzer	Agilent	E4446A	MY45300103	2008/06/11
Coaxial Cable	Huber+Suhner	AC4-RF	09	2007/11/25
Temperature/Humidity Meter	zhicheng	ZC1-2	QT-TH007	2008/03/09

Note: All equipments are calibrated with traceable calibrations. Each calibration is traceable to the national or international standards.

10.2. Test Setup



10.3. Limit

For digitally modulated systems, the 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.

10.4. Test Procedure

The EUT was tested according to DTS test procedure of Oct 2002 KDB558074 for compliance to FCC 47CFR 15.247 requirements.

Set RBW= 3 kHz, Set VBW \geq 9 kHz, Sweep time=Auto, Set detector=Peak detector.

10.5. Uncertainty

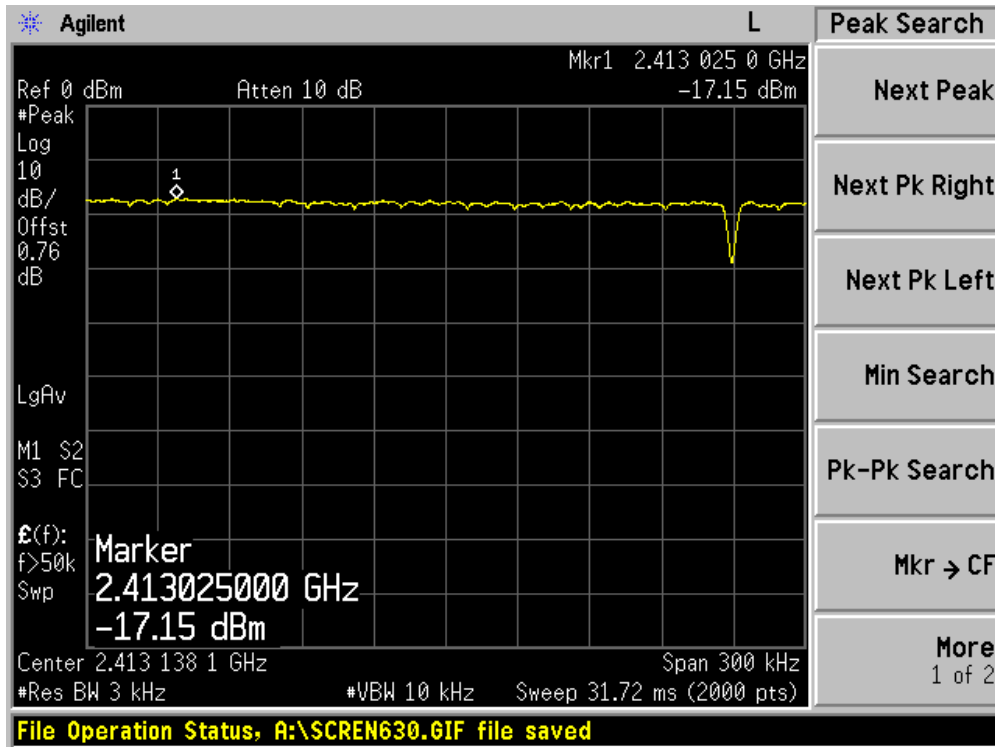
The measurement uncertainty is defined as ± 1.27 dB

10.6. Test Result

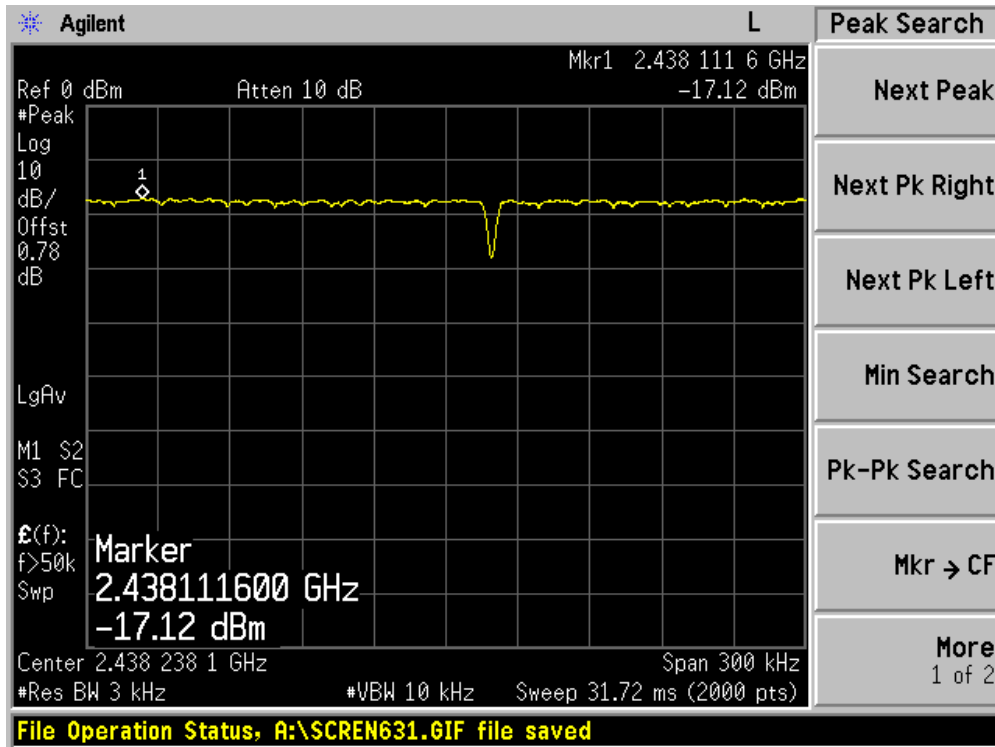
Product	:	Eee PC
Test Item	:	Power Spectral Density
Test Site	:	AC-4
Test Mode	:	Mode 1: Transmit by 802.11b

Channel No.	Frequency (MHz)	Power Spectral Density (dBm/3kHz)	Limit (dBm/3kHz)	Result
01	2412	-17.15	8	Pass
06	2437	-17.12	8	Pass
11	2462	-16.76	8	Pass

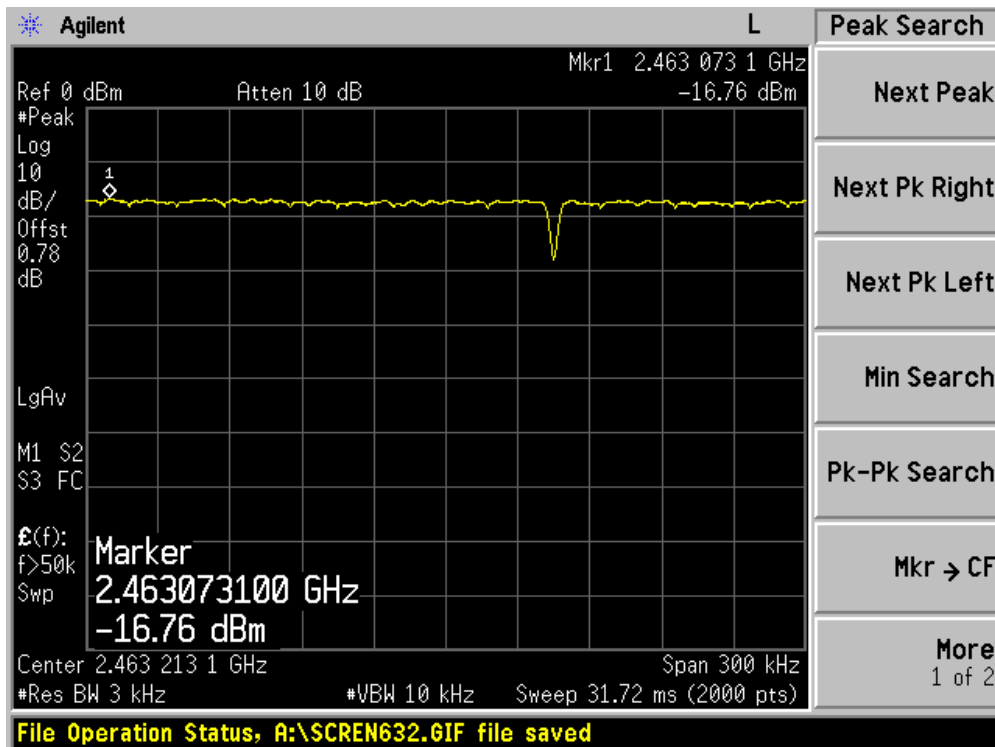
Channel 01 (2412MHz)



Channel 06 (2437MHz)



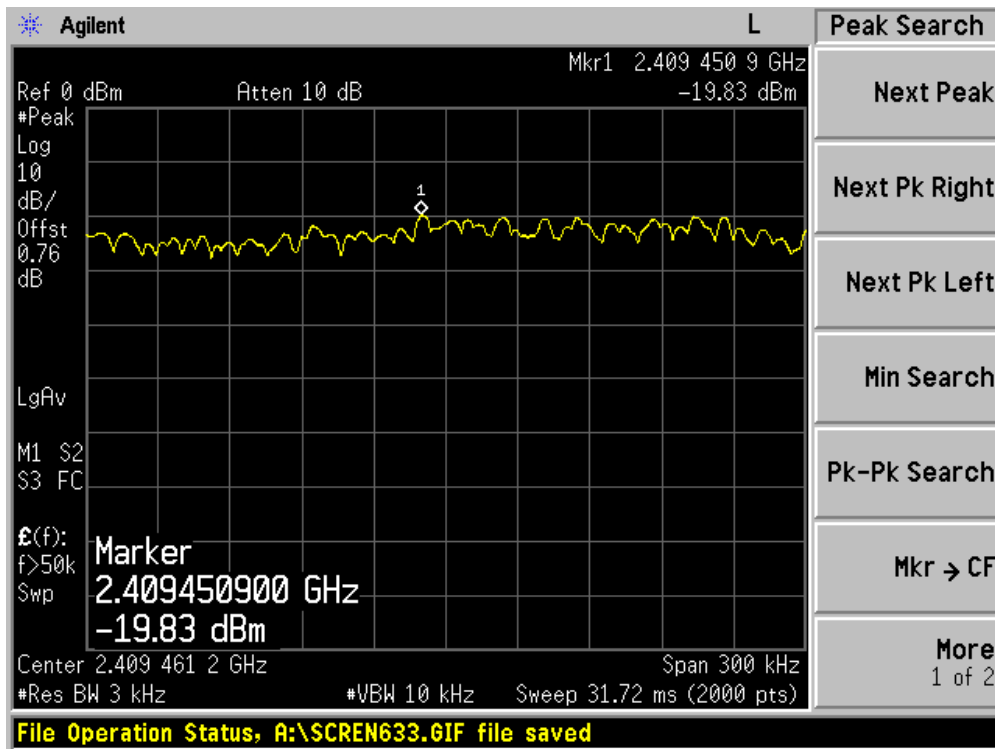
Channel 11 (2462MHz)



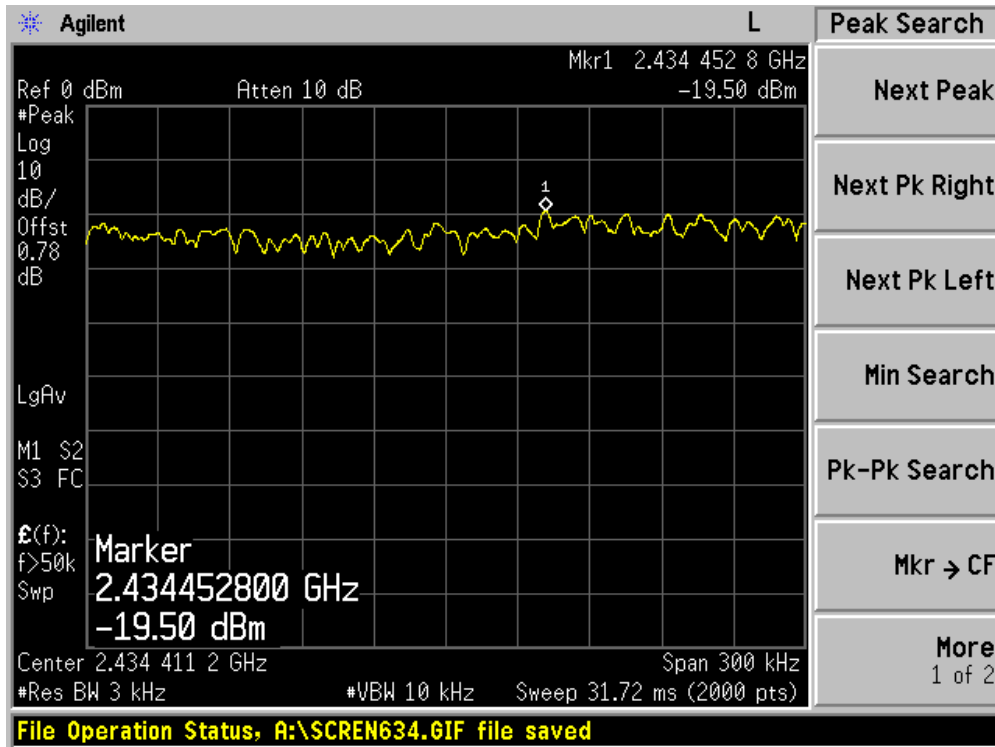
Product	:	Eee PC
Test Item	:	Power Spectral Density
Test Site	:	AC-4
Test Mode	:	Mode 2: Transmit by 802.11g

Channel No.	Frequency (MHz)	Power Spectral Density (dBm/3kHz)	Limit (dBm/3kHz)	Result
01	2412	-19.83	8	Pass
06	2437	-19.50	8	Pass
11	2462	-19.32	8	Pass

Channel 01 (2412MHz)



Channel 06 (2437MHz)



Channel 11 (2462MHz)

