



Test Report

Product Name : Wireless Router

Model No. : DI-524

FCC ID. : KA2DI524G1

Applicant : D-Link Corporation

Address : No. 289 , Sinhu 3rd Rd , Neihu District , Taipei City 114 ,Taiwan ,
R.O.C.

Date of Receipt : 2007/03/23

Issued Date : 2007/06/13

Report No. : 073H079-RFUSP05V01

The test results relate only to the samples tested.

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

Test Report Certification

Issued Date : 2007/06/13

Report No. : 073H079-RFUSP05V01



Product Name : Wireless Router
 Applicant : D-Link Corporation
 Address : No. 289 , Sinhu 3rd Rd , Neihu District , Taipei City
 114 ,Taiwan , R.O.C.
 Manufacturer : Advance Multimedia Internet Technology
 Model No. : DI-524
 FCC ID. : KA2DI524G1
 Rated Voltage : AC 120 V / 60 Hz
 EUT Voltage : AC 120 V / 60 Hz
 Trade Name : D-Link
 Applicable Standard : FCC CFR Title 47 Part 15 Subpart C Section 15.247: 2006
 Test Result : Complied

The test results relate only to the samples tested.
 The test report shall not be reproduced except in full without the written approval of Quietek Corporation.

Documented By : Sandy Chuang
 (Sandy Chuang)
 Tested By : Halu Chung
 (Halu Chung)
 Approved By : Roy Wang
 (Roy Wang)

TABLE OF CONTENTS

Description	Page
1. General Information.....	5
1.1. EUT Description	5
1.2. Operational Description	6
1.3. Test Mode	7
1.4. Tested System Details	8
1.5. Configuration of tested System	9
1.6. EUT Exercise Software	10
1.7. Test Facility	11
2. Peak Power Output.....	12
2.1. Test Equipment.....	12
2.2. Test Setup	12
2.3. Limits	12
2.4. Test Specification.....	12
2.5. Uncertainty	12
2.6. Test Result.....	13
3. Conducted Emission	15
3.1. Test Equipment.....	15
3.2. Test Setup	15
3.3. Limits	16
3.4. Test Procedure	16
3.5. Test Specification.....	16
3.6. Uncertainty	16
3.7. Test Result.....	17
3.8. Test Photo	33
4. Radiated Emission.....	35
4.1. Test Equipment.....	35
4.2. Test Setup	35
4.3. Limits	36
4.4. Test Procedure	36
4.5. Test Specification.....	36
4.6. Uncertainty	36
4.7. Test Result.....	37
4.8. Test Photo	57
5. Band Edge.....	60
5.1. Test Equipment.....	60
5.2. Test Setup	61
5.3. Limits	61
5.4. Test Procedure	62
5.5. Test Specification.....	62
5.6. Uncertainty	62
5.7. Test Result.....	63
6. Occupied Bandwidth	79
6.1. Test Equipment.....	79
6.2. Test Setup	79

6.3.	Limits	79
6.4.	Test Specification.....	79
6.5.	Uncertainty	79
6.6.	Test Result.....	80
7.	Power Density.....	82
7.1.	Test Equipment.....	82
7.2.	Test Setup	82
7.3.	Limits	82
7.4.	Test Specification.....	82
7.5.	Uncertainty	82
7.6.	Test Result.....	83
Attachement		85
<input type="checkbox"/>	EUT Photograph.....	85

1. General Information

1.1. EUT Description

Product Name	Wireless Router
Trade Name	D-Link
Model No.	DI-524
Frequency Range	2412~2462MHz
Channel Number	11
Type of Modulation (IEEE 802.11b)	Direct Sequence Spread Spectrum (DSSS)
Type of Modulation (IEEE 802.11g)	Orthogonal Frequency Division Multiplexing (OFDM)
Data Speed (IEEE 802.11b)	1Mbps, 2Mbps, 5.5Mbps, 11Mbps
Data Speed (IEEE 802.11g)	6Mbps,9Mbps,12Mbps,18Mbps,24Mbps,36Mbps,48Mbps,54Mbps
Antenna Gain	1.8dBi
Channel Control	Auto
Antenna Type	Dipole

Component	
Power Adapter	D-Link, AM-0751500D I/P: AC 120V/60 Hz, 30W O/P: DC 7.5V, 1500mA Cable Out: Non-Shielded, 1.8m
	D-Link, AF1275-B I/P: AC 100-120V/50~60 Hz, 0.3A O/P: DC 7.5V, 1.5A Cable Out: Non-Shielded, 1.8m

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

Note:

1. This device is a Wireless Router included a 2.4GHz receiving function, and 2.4GHz transmitting function.
2. These tests were conducted on a sample of the equipment for the purpose of demonstrating compliance with Part 15 Subpart C Paragraph 15.247 for spread spectrum devices.
3. Regards to the frequency band operation; the highest rate that was included the lowest - middle and highest frequency of channel were selected to perform the test, and then shown on this report.
4. "The EUT'S antenna uses a unique coupling to the intentional radiator, and it meets all requirements of 15.203."
5. This device is a composite device in accordance with Part 15 regulations. The function receiving was measured and made a test report that the report number is 073H079-RFUSP01V02 under Declaration of Conformity.

1.3. Test Mode

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

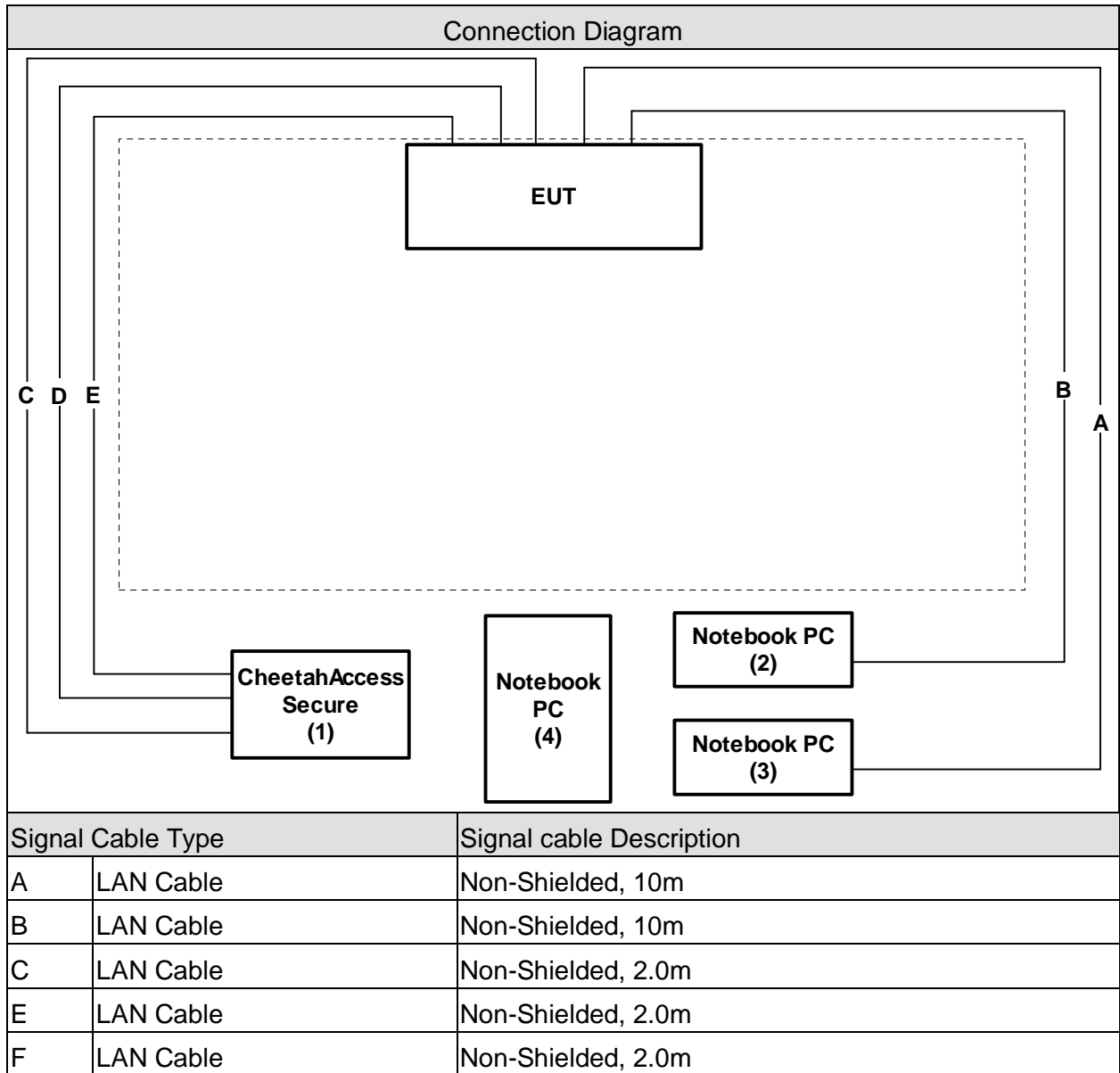
Pre-Test Mode	
EMI	Mode 1: Transmit (AM-0751500D) Mode 2: Transmit (AF1275-B)
Final Test Mode	
TX	Mode 1: Transmit (AM-0751500D) Mode 2: Transmit (AF1275-B)

1.4. Tested System Details

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

Product	Manufacturer	Model No.	Serial No.	FCC ID	Power Cord
1 CheetahAccess Secure	Accton	AC-IG1104	N/A	DoC	Non-Shielded, 1.8m
2 Notebook PC	DELL	LATITUDE D400	N/A	DoC	Non-shielded, 1.7m, a ferrite core bonded
3 Notebook PC	DELL	LATITUDE D400	N/A	DoC	Non-shielded, 1.7m, a ferrite core bonded
4 Notebook PC	DELL	PP10L	3Y220	DoC	Non-shielded, 1.8m

1.5. Configuration of tested System



1.6. EUT Exercise Software

1	Setup the EUT and simulators as shown on 1.5
2	Turn on the power of all equipment.
3	Notebook PC reads data from disk.
4	Data will be transmitting through EUT.
5	The transmitting status will be shown on the monitor.
6	Repeat the above procedure (4) to (5)

1.7. Test Facility

Ambient conditions in the laboratory:

Items	Test Item	Required (IEC 68-1)	Actual
Temperature (°C)	FCC PART 15 C 15.207 Conducted Emission	15 - 35	20
Humidity (%RH)		25 - 75	50
Barometric pressure (mbar)		860 - 1060	950-1000
Temperature (°C)	FCC PART 15 C 15.247 Band Edge (DSSS)	15 - 35	25
Humidity (%RH)		25 - 75	50
Barometric pressure (mbar)		860 - 1060	950-1000
Temperature (°C)	FCC PART 15 C 15.247 Occupied Bandwidth (DSSS)	15 - 35	25
Humidity (%RH)		25 - 75	50
Barometric pressure (mbar)		860 - 1060	950-1000
Temperature (°C)	FCC PART 15 C 15.247 Peak Power Output (DSSS)	15 - 35	25
Humidity (%RH)		25 - 75	50
Barometric pressure (mbar)		860 - 1060	950-1000
Temperature (°C)	FCC PART 15 C 15.247 Power Density (DSSS)	15 - 35	25
Humidity (%RH)		25 - 75	50
Barometric pressure (mbar)		860 - 1060	950-1000
Temperature (°C)	FCC PART 15 C 15.247 Radiated Emission (DSSS)	15 - 35	25
Humidity (%RH)		25 - 75	50
Barometric pressure (mbar)		860 - 1060	950-1000

Site Description:

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



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



1313

ILAC MRA

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



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

2. Peak Power Output

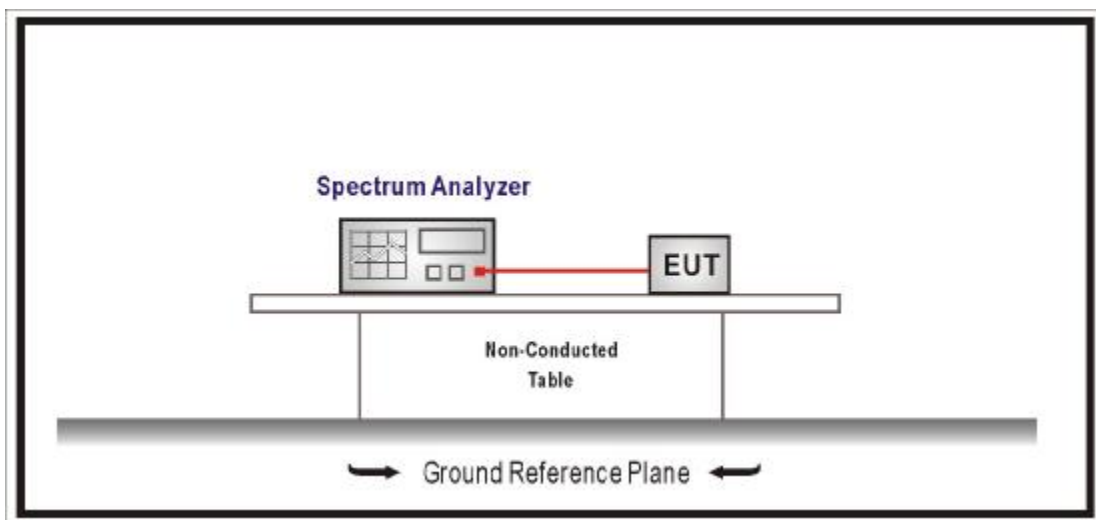
2.1. Test Equipment

The following test equipment are used during the test:

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

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

2.2. Test Setup



2.3. Limits

The maximum peak power shall be less 1 Watt.

2.4. Test Specification

According to FCC CFR Title 47 Part 15 Subpart C Section 15.247: 2006

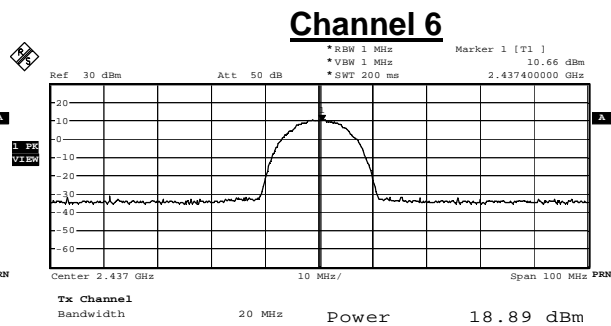
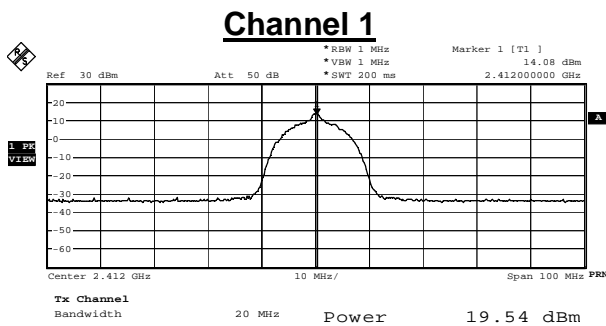
2.5. Uncertainty

The measurement uncertainty is defined as ± 1.27 dB.

2.6. Test Result

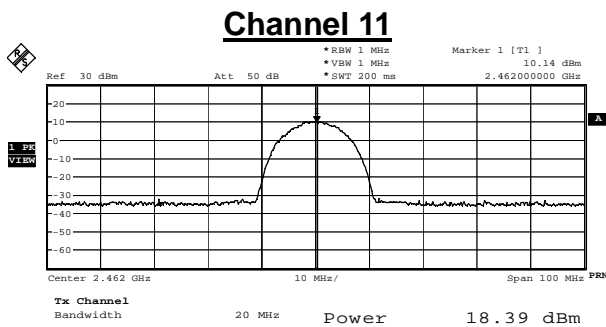
Product	Wireless Router		
Test Item	Peak Power Output		
Test Mode	Mode 1: Transmit		
Date of Test	2007/05/16	Test Site	No.1 OATS

IEEE 802.11b				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
1	2412	19.54	1Watt= 30 dBm	Pass
6	2437	18.89	1Watt= 30 dBm	Pass
11	2462	18.39	1Watt= 30 dBm	Pass



Date: 16.MAY.2007 07:04:44

Date: 16.MAY.2007 07:11:47

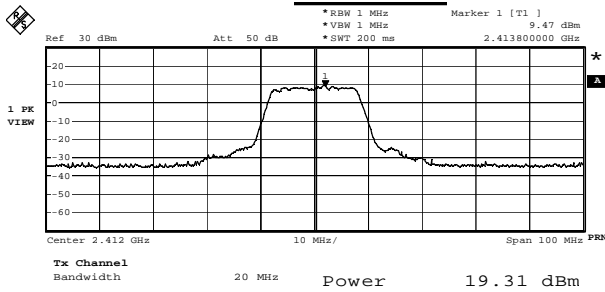


Date: 16.MAY.2007 07:14:05

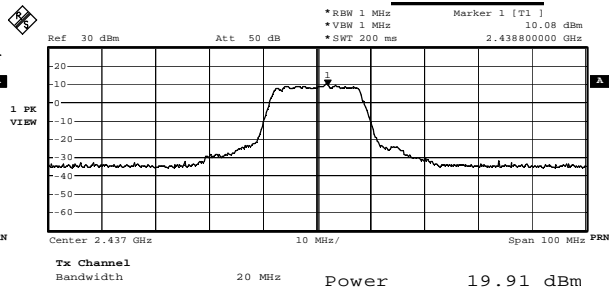
Product	Wireless Router		
Test Item	Peak Power Output		
Test Mode	Mode 1: Transmit		
Date of Test	2007/05/16	Test Site	No.1 OATS

IEEE 802.11g				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
1	2412	19.31	1Watt= 30 dBm	Pass
6	2437	19.91	1Watt= 30 dBm	Pass
11	2462	19.40	1Watt= 30 dBm	Pass

Channel 1



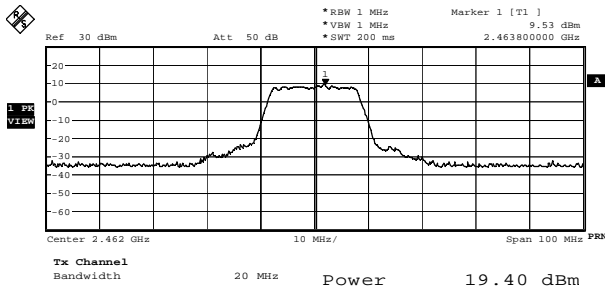
Channel 6



Date: 16.MAY.2007 07:18:13

Date: 16.MAY.2007 07:25:01

Channel 11



Date: 16.MAY.2007 07:33:49

3. Conducted Emission

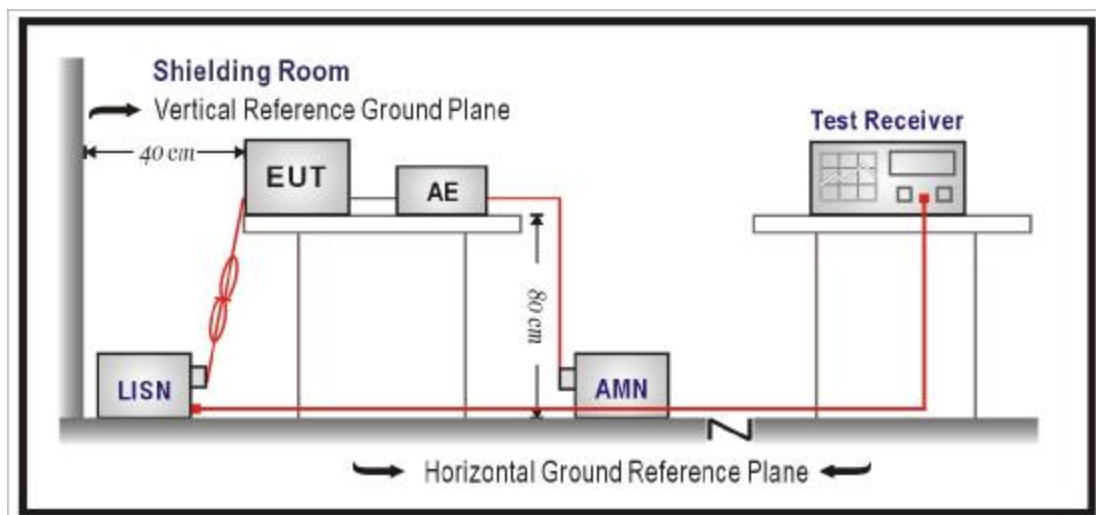
3.1. Test Equipment

The following test equipment are used during the test:

Item	Equipment	Manufacturer	Model No. / Serial No.	Last Cal.	Remark
1	Test Receiver	R & S	ESCS 30/825442/018	Sep., 2006	
2	Artificial Mains Network	R & S	ENV4200/848411/10	Feb., 2007	Peripherals
3	LISN	R & S	ESH3-Z5/825562/002	Feb., 2007	EUT
4	Pulse Limiter	R & S	ESH3-Z2/357.8810.52	Feb., 2007	
5	No.2 Shielded Room			N/A	

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

3.2. Test Setup



3.3. Limits

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

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

3.4. Test Procedure

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

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

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

3.5. Test Specification

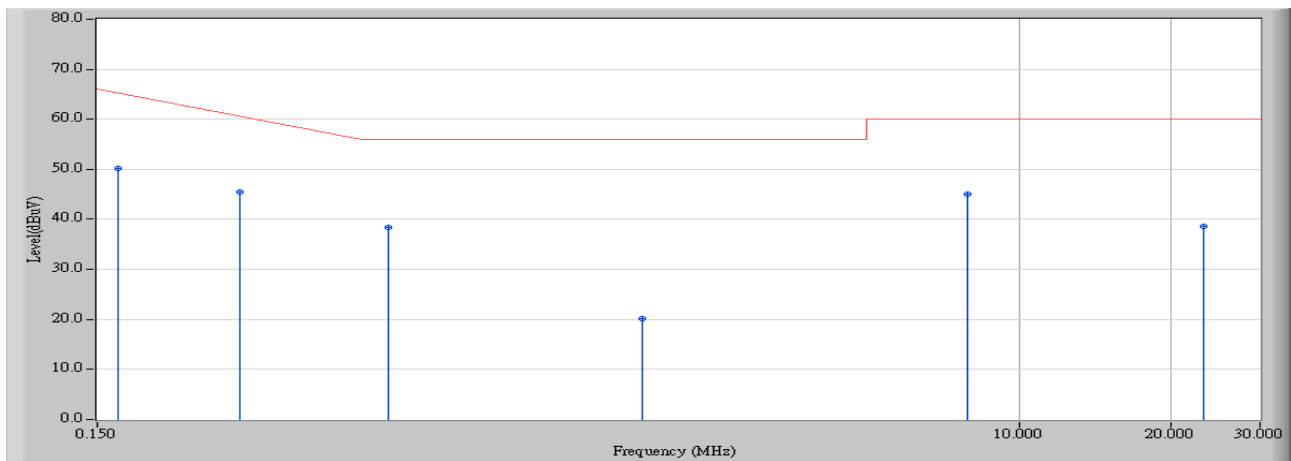
According to FCC Part 15 Subpart C Paragraph 15.207: 2006

3.6. Uncertainty

The measurement uncertainty is defined as ± 2.26 dB.

3.7. Test Result

Site : Quietek Shielding Room 2	Time : 2007/05/15 - 09:50
Limit : CISPR_B_00M_QP	Margin : 0
EUT : Wireless Router	Probe : QTK-LISN-SR2 - Line1
Power : AC 120V/60Hz	Note : TX-B-Mode 1: Transmit (AM-0751500D)

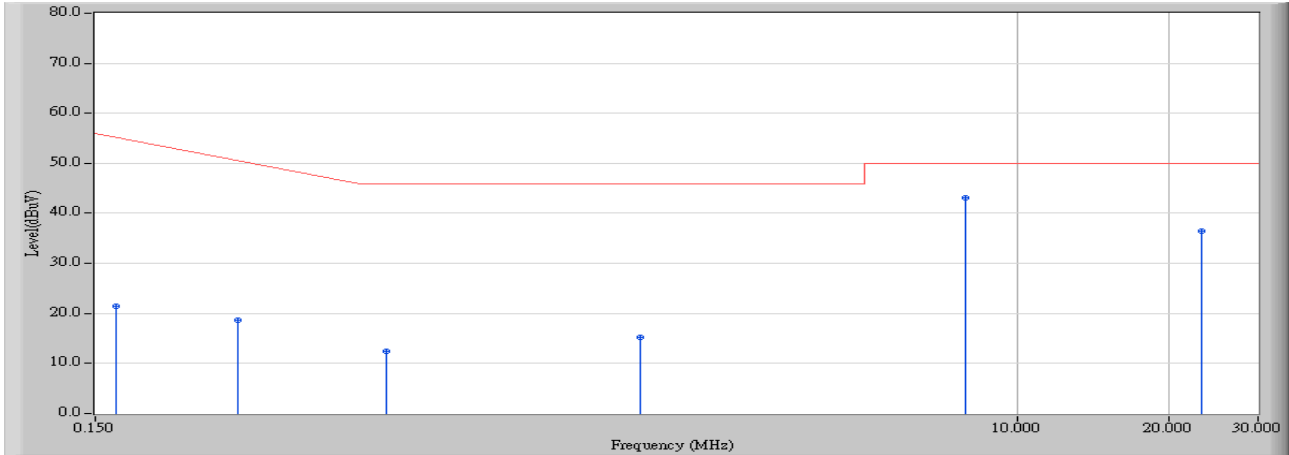


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1	0.165	0.200	50.080	50.280	-15.291	65.571	QUASPEAK
2	0.287	0.200	45.260	45.460	-16.626	62.086	QUASPEAK
3	0.564	0.210	38.240	38.450	-17.550	56.000	QUASPEAK
4	1.796	0.300	19.770	20.070	-35.930	56.000	QUASPEAK
5	* 7.923	0.540	44.540	45.080	-14.920	60.000	QUASPEAK
6	23.127	1.270	37.270	38.540	-21.460	60.000	QUASPEAK

Note:

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

Site : QuieTek Shielding Room 2	Time : 2007/05/15 - 09:50
Limit : CISPR_B_00M_AV	Margin : 0
EUT : Wireless Router	Probe : QTK-LISN-SR2 - Line1
Power : AC 120V/60Hz	Note : TX-B-Mode 1: Transmit (AM-0751500D)

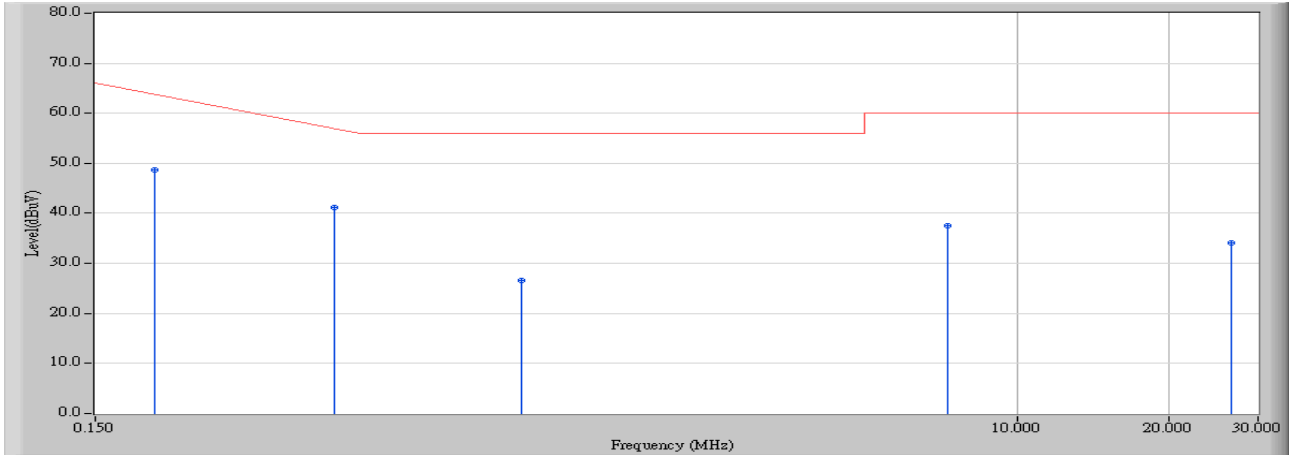


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1	0.165	0.200	21.190	21.390	-34.181	55.571	AVERAGE
2	0.287	0.200	18.500	18.700	-33.386	52.086	AVERAGE
3	0.564	0.210	12.160	12.370	-33.630	46.000	AVERAGE
4	1.796	0.300	14.970	15.270	-30.730	46.000	AVERAGE
5	* 7.923	0.540	42.490	43.030	-6.970	50.000	AVERAGE
6	23.127	1.270	35.260	36.530	-13.470	50.000	AVERAGE

Note:

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

Site : QuieTek Shielding Room 2	Time : 2007/05/15 - 09:55
Limit : CISPR_B_00M_QP	Margin : 0
EUT : Wireless Router	Probe : QTK-LISN-SR2 - Line2
Power : AC 120V/60Hz	Note : TX-B-Mode 1: Transmit (AM-0751500D)

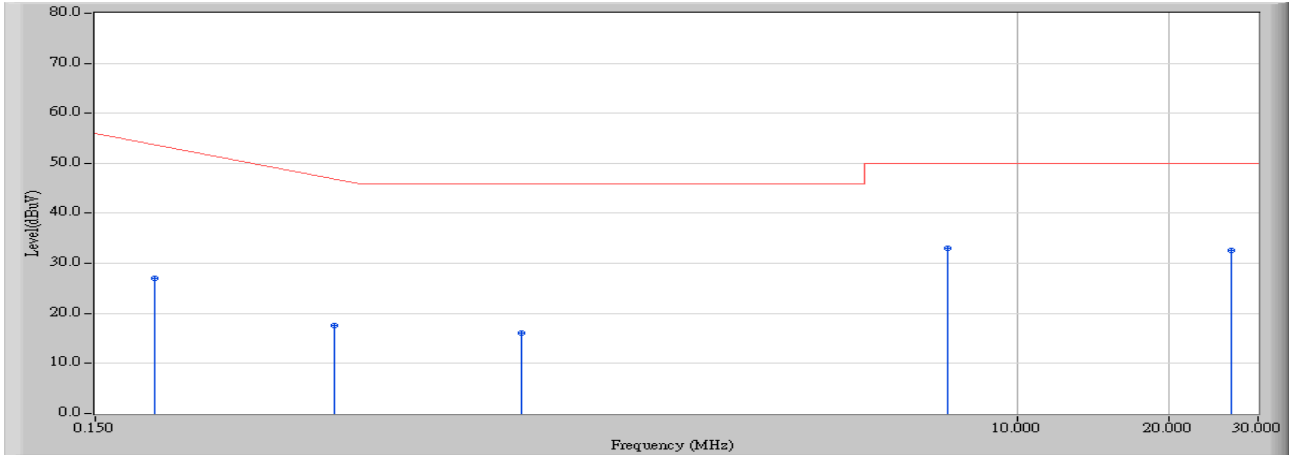


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1	*	0.196	0.200	48.420	48.620	-16.066	64.686	QUASIPeAK
2		0.445	0.200	40.920	41.120	-16.451	57.571	QUASIPeAK
3		1.047	0.210	26.380	26.590	-29.410	56.000	QUASIPeAK
4		7.314	0.456	37.050	37.506	-22.494	60.000	QUASIPeAK
5		26.548	1.020	33.070	34.090	-25.910	60.000	QUASIPeAK

Note:

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

Site : QuieTek Shielding Room 2	Time : 2007/05/15 - 09:55
Limit : CISPR_B_00M_AV	Margin : 0
EUT : Wireless Router	Probe : QTK-LISN-SR2 - Line2
Power : AC 120V/60Hz	Note : TX-B-Mode 1: Transmit (AM-0751500D)

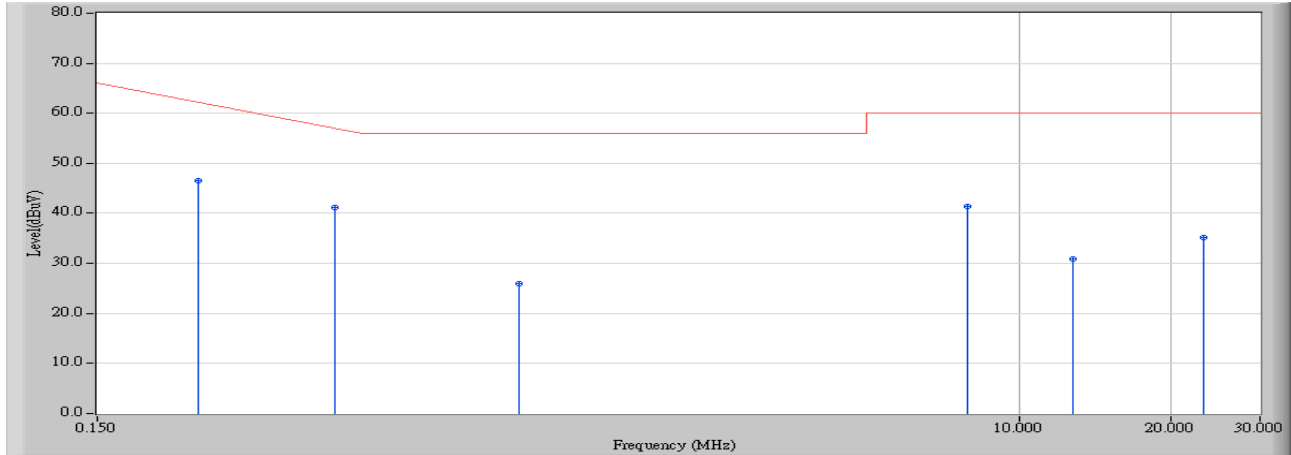


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1	0.196	0.200	26.740	26.940	-27.746	54.686	AVERAGE
2	0.445	0.200	17.360	17.560	-30.011	47.571	AVERAGE
3	1.047	0.210	15.840	16.050	-29.950	46.000	AVERAGE
4	* 7.314	0.456	32.640	33.096	-16.904	50.000	AVERAGE
5	26.548	1.020	31.650	32.670	-17.330	50.000	AVERAGE

Note:

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

Site : QuieTek Shielding Room 2	Time : 2007/05/15 - 10:01
Limit : CISPR_B_00M_QP	Margin : 0
EUT : Wireless Router	Probe : QTK-LISN-SR2 - Line1
Power : AC 120V/60Hz	Note : TX-G-Mode 1: Transmit (AM-0751500D)

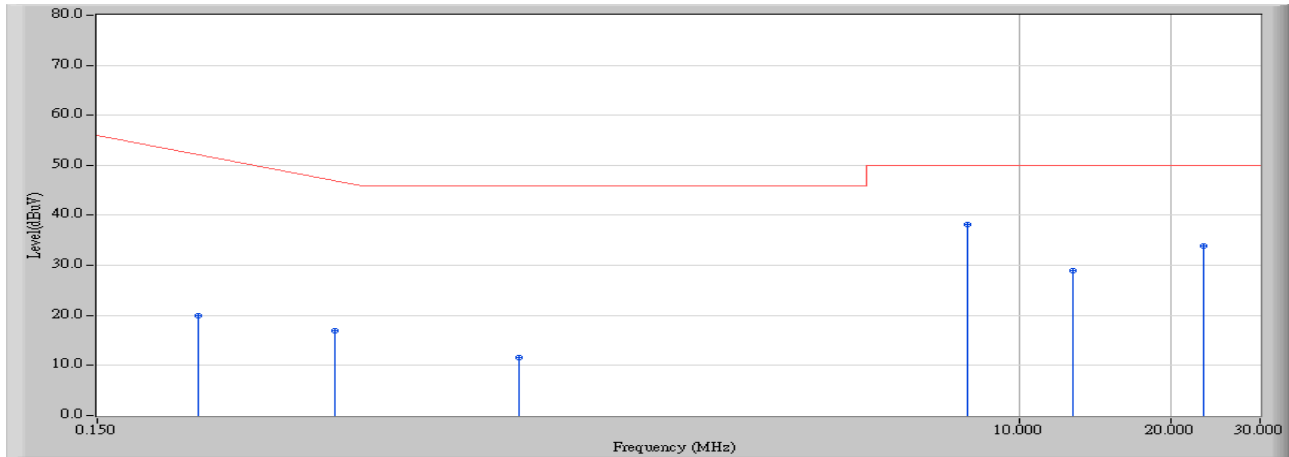


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1		0.238	0.200	46.400	46.600	-16.886	63.486	QUASPEAK
2	*	0.444	0.200	40.900	41.100	-16.500	57.600	QUASPEAK
3		1.023	0.210	25.720	25.930	-30.070	56.000	QUASPEAK
4		7.923	0.540	40.920	41.460	-18.540	60.000	QUASPEAK
5		12.748	0.837	29.990	30.827	-29.173	60.000	QUASPEAK
6		23.127	1.270	33.940	35.210	-24.790	60.000	QUASPEAK

Note:

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

Site : QuieTek Shielding Room 2	Time : 2007/05/15 - 10:01
Limit : CISPR_B_00M_AV	Margin : 0
EUT : Wireless Router	Probe : QTK-LISN-SR2 - Line1
Power : AC 120V/60Hz	Note : TX-G-Mode 1: Transmit (AM-0751500D)

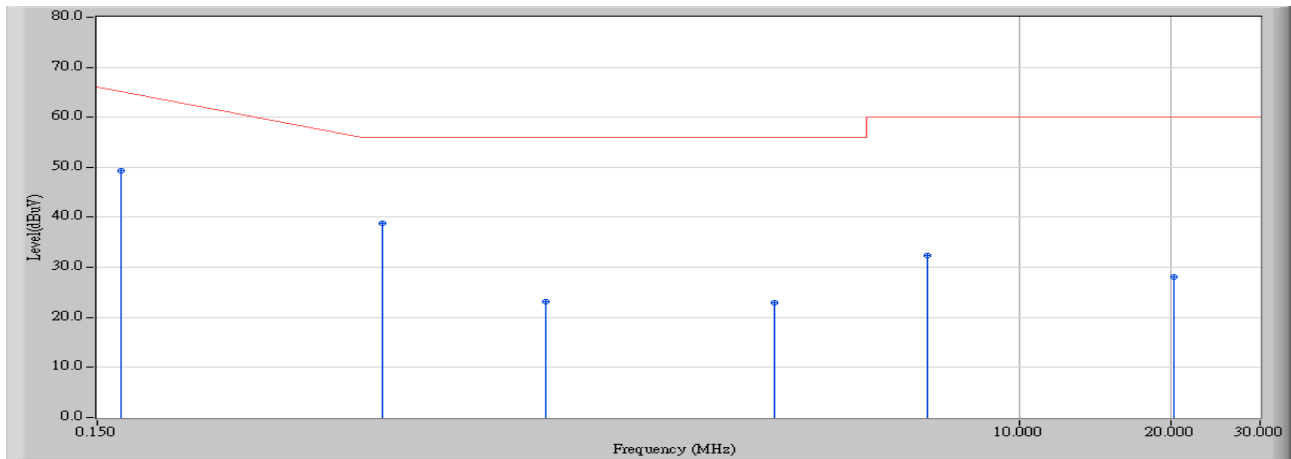


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1	0.238	0.200	19.850	20.050	-33.436	53.486	AVERAGE
2	0.444	0.200	16.650	16.850	-30.750	47.600	AVERAGE
3	1.023	0.210	11.350	11.560	-34.440	46.000	AVERAGE
4	* 7.923	0.540	37.710	38.250	-11.750	50.000	AVERAGE
5	12.748	0.837	28.150	28.987	-21.013	50.000	AVERAGE
6	23.127	1.270	32.590	33.860	-16.140	50.000	AVERAGE

Note:

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

Site : QuieTek Shielding Room 2	Time : 2007/05/15 - 10:06
Limit : CISPR_B_00M_QP	Margin : 0
EUT : Wireless Router	Probe : QTK-LISN-SR2 – Line2
Power : AC 120V/60Hz	Note : TX-G-Mode 1: Transmit (AM-0751500D)

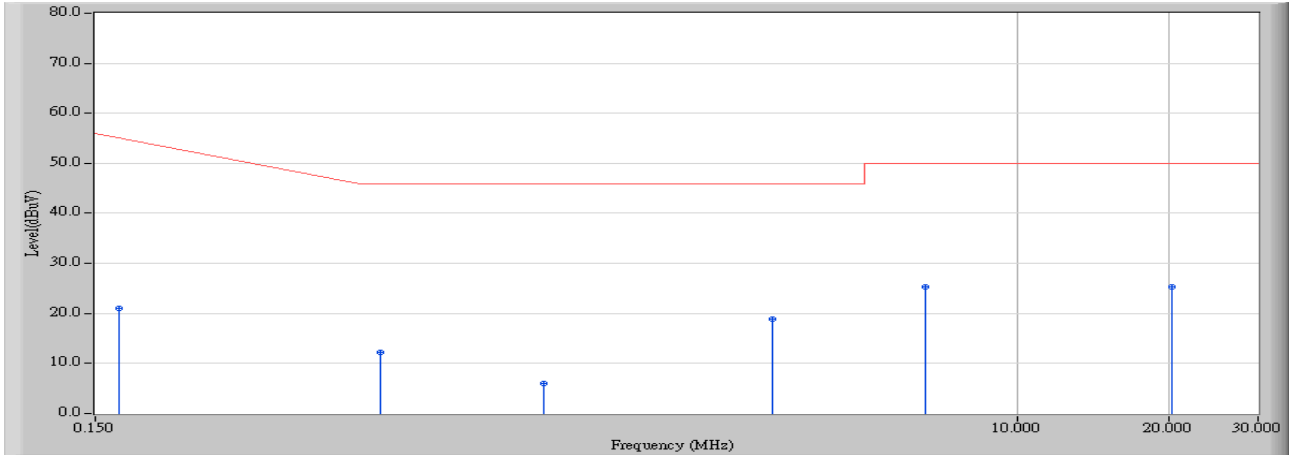


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1	*	0.167	0.200	49.090	49.290	-16.224	65.514	QUASPEAK
2		0.549	0.210	38.520	38.730	-17.270	56.000	QUASPEAK
3		1.159	0.223	22.860	23.083	-32.917	56.000	QUASPEAK
4		3.291	0.340	22.640	22.980	-33.020	56.000	QUASPEAK
5		6.576	0.479	31.990	32.469	-27.531	60.000	QUASPEAK
6		20.259	1.180	27.020	28.200	-31.800	60.000	QUASPEAK

Note:

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

Site : QuieTek Shielding Room 2	Time : 2007/05/15 - 10:06
Limit : CISPR_B_00M_AV	Margin : 0
EUT : Wireless Router	Probe : QTK-LISN-SR2 – Line2
Power : AC 120V/60Hz	Note : TX-G-Mode 1: Transmit (AM-0751500D)

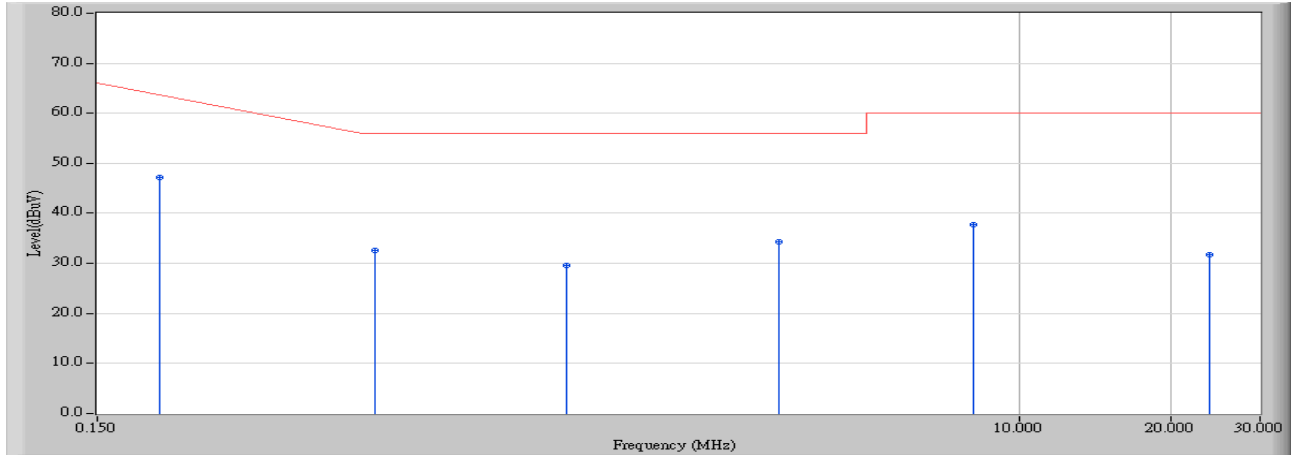


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1	0.167	0.200	20.740	20.940	-34.574	55.514	AVERAGE
2	0.549	0.210	12.100	12.310	-33.690	46.000	AVERAGE
3	1.159	0.223	5.710	5.933	-40.067	46.000	AVERAGE
4	3.291	0.340	18.500	18.840	-27.160	46.000	AVERAGE
5	6.576	0.479	24.840	25.319	-24.681	50.000	AVERAGE
6	* 20.259	1.180	24.150	25.330	-24.670	50.000	AVERAGE

Note:

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

Site : QuieTek Shielding Room 2	Time : 2007/05/15 - 10:34
Limit : CISPR_B_00M_QP	Margin : 0
EUT : Wireless Router	Probe : QTK-LISN-SR2 - Line1
Power : AC 120V/60Hz	Note : TX-B-Mode 2: Transmit (AF1275-B)

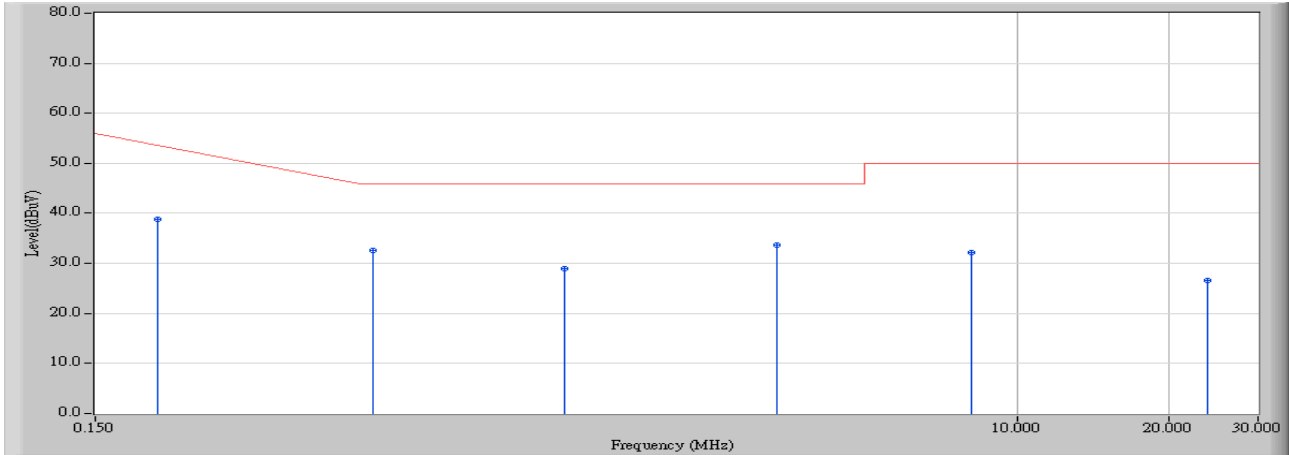


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1	*	0.199	0.200	47.010	47.210	-17.390	64.600	QUASPEAK
2		0.532	0.210	32.440	32.650	-23.350	56.000	QUASPEAK
3		1.271	0.240	29.330	29.570	-26.430	56.000	QUASPEAK
4		3.339	0.340	33.970	34.310	-21.690	56.000	QUASPEAK
5		8.154	0.550	37.130	37.680	-22.320	60.000	QUASPEAK
6		23.845	1.300	30.420	31.720	-28.280	60.000	QUASPEAK

Note:

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

Site : QuieTek Shielding Room 2	Time : 2007/05/15 - 10:34
Limit : CISPR_B_00M_AV	Margin : 0
EUT : Wireless Router	Probe : QTK-LISN-SR2 - Line1
Power : AC 120V/60Hz	Note : TX-B-Mode 2: Transmit (AF1275-B)

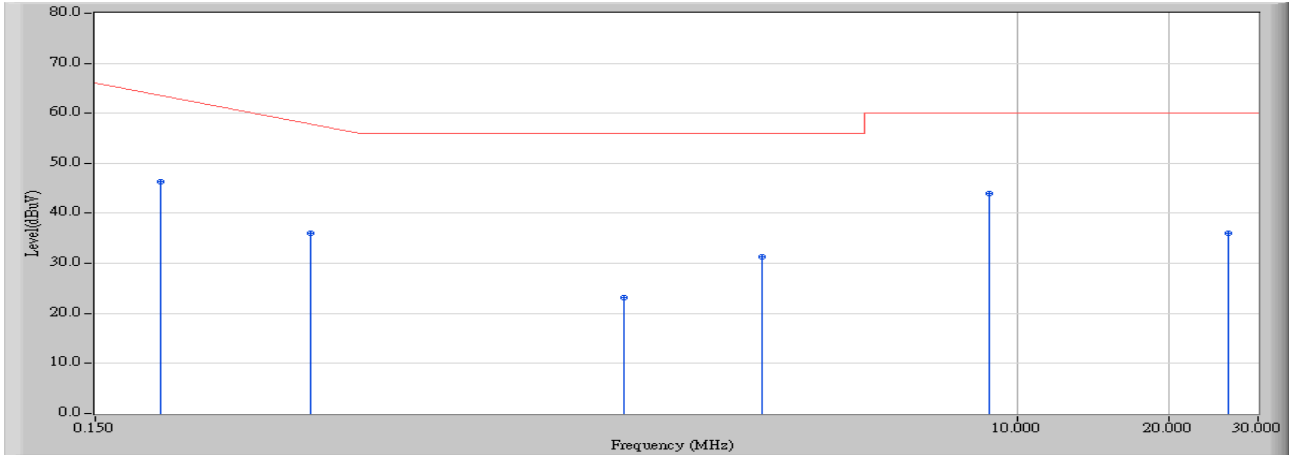


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1	0.199	0.200	38.700	38.900	-15.700	54.600	AVERAGE
2	0.532	0.210	32.430	32.640	-13.360	46.000	AVERAGE
3	1.271	0.240	28.690	28.930	-17.070	46.000	AVERAGE
4	* 3.339	0.340	33.300	33.640	-12.360	46.000	AVERAGE
5	8.154	0.550	31.710	32.260	-17.740	50.000	AVERAGE
6	23.845	1.300	25.310	26.610	-23.390	50.000	AVERAGE

Note:

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

Site : QuieTek Shielding Room 2	Time : 2007/05/15 - 10:38
Limit : CISPR_B_00M_QP	Margin : 0
EUT : Wireless Router	Probe : QTK-LISN-SR2 - Line2
Power : AC 120V/60Hz	Note : TX-B-Mode 2: Transmit (AF1275-B)

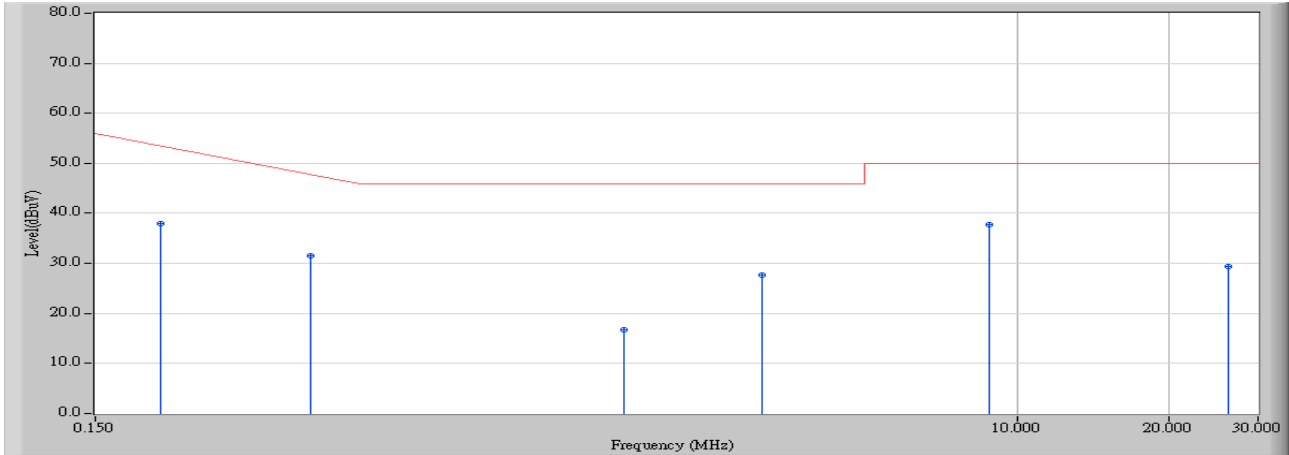


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1	0.202	0.200	46.170	46.370	-18.144	64.514	QUASPEAK
2	0.401	0.200	35.880	36.080	-22.749	58.829	QUASPEAK
3	1.666	0.220	22.870	23.090	-32.910	56.000	QUASPEAK
4	3.138	0.300	31.000	31.300	-24.700	56.000	QUASPEAK
5	* 8.809	0.500	43.390	43.890	-16.110	60.000	QUASPEAK
6	26.223	1.029	34.990	36.019	-23.981	60.000	QUASPEAK

Note:

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

Site : QuieTek Shielding Room 2	Time : 2007/05/15 - 10:38
Limit : CISPR_B_00M_AV	Margin : 0
EUT : Wireless Router	Probe : QTK-LISN-SR2 - Line2
Power : AC 120V/60Hz	Note : TX-B-Mode 2: Transmit (AF1275-B)

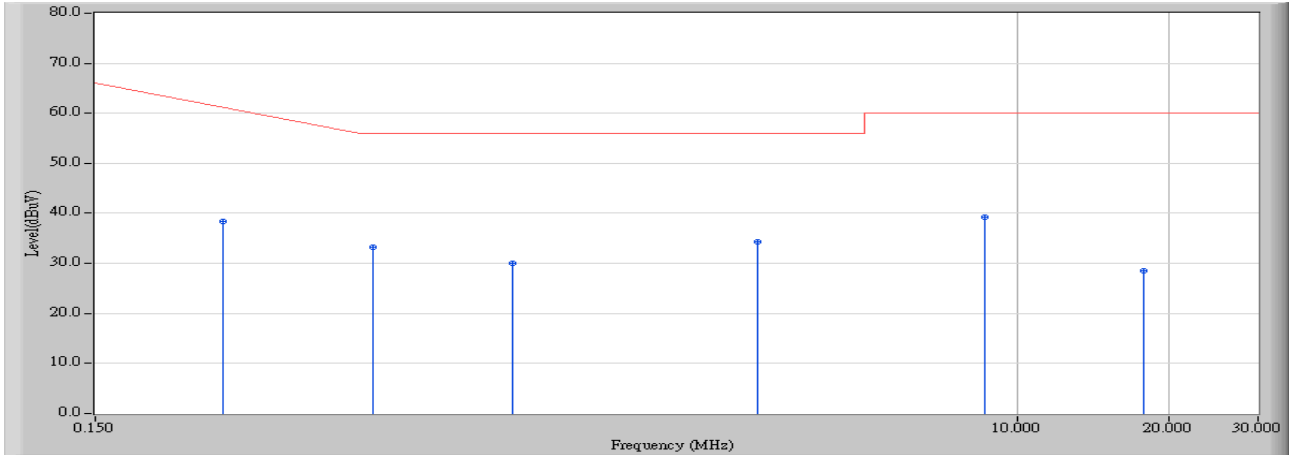


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1	0.202	0.200	37.830	38.030	-16.484	54.514	AVERAGE
2	0.401	0.200	31.350	31.550	-17.279	48.829	AVERAGE
3	1.666	0.220	16.600	16.820	-29.180	46.000	AVERAGE
4	3.138	0.300	27.320	27.620	-18.380	46.000	AVERAGE
5	* 8.809	0.500	37.330	37.830	-12.170	50.000	AVERAGE
6	26.223	1.029	28.310	29.339	-20.661	50.000	AVERAGE

Note:

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

Site : QuieTek Shielding Room 2	Time : 2007/05/15 - 10:43
Limit : CISPR_B_00M_QP	Margin : 0
EUT : Wireless Router	Probe : QTK-LISN-SR2 - Line1
Power : AC 120V/60Hz	Note : TX-G-Mode 2: Transmit (AF1275-B)

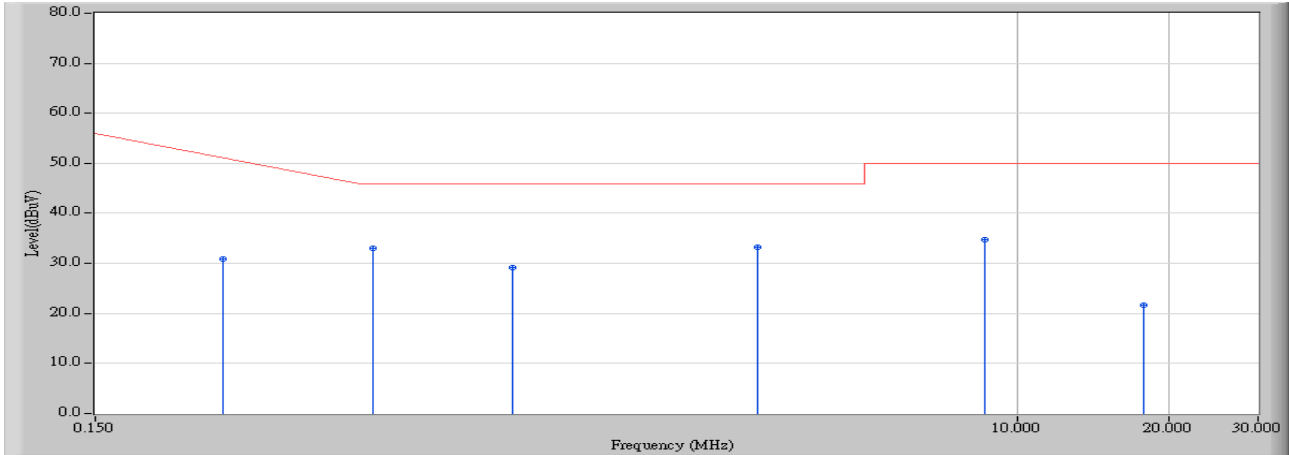


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1	0.269	0.200	38.290	38.490	-24.110	62.600	QUASPEAK
2	0.533	0.210	32.940	33.150	-22.850	56.000	QUASPEAK
3	1.002	0.210	29.790	30.000	-26.000	56.000	QUASPEAK
4	3.068	0.340	33.940	34.280	-21.720	56.000	QUASPEAK
5	* 8.666	0.572	38.720	39.293	-20.707	60.000	QUASPEAK
6	17.797	1.100	27.410	28.510	-31.490	60.000	QUASPEAK

Note:

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

Site : QuieTek Shielding Room 2	Time : 2007/05/15 - 10:43
Limit : CISPR_B_00M_AV	Margin : 0
EUT : Wireless Router	Probe : QTK-LISN-SR2 - Line1
Power : AC 120V/60Hz	Note : TX-G-Mode 2: Transmit (AF1275-B)

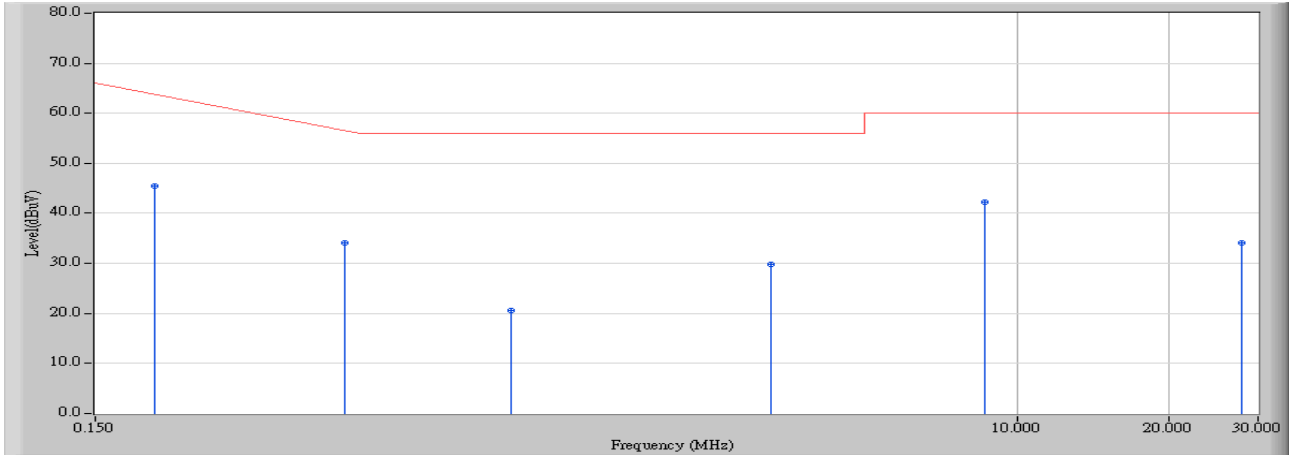


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1	0.269	0.200	30.630	30.830	-21.770	52.600	AVERAGE
2	0.533	0.210	32.780	32.990	-13.010	46.000	AVERAGE
3	1.002	0.210	29.040	29.250	-16.750	46.000	AVERAGE
4	* 3.068	0.340	32.840	33.180	-12.820	46.000	AVERAGE
5	8.666	0.572	34.140	34.713	-15.287	50.000	AVERAGE
6	17.797	1.100	20.480	21.580	-28.420	50.000	AVERAGE

Note:

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

Site : QuieTek Shielding Room 2	Time : 2007/05/15 - 10:47
Limit : CISPR_B_00M_QP	Margin : 0
EUT : Wireless Router	Probe : QTK-LISN-SR2 - Line2
Power : AC 120V/60Hz	Note : TX-G-Mode 2: Transmit (AF1275-B)

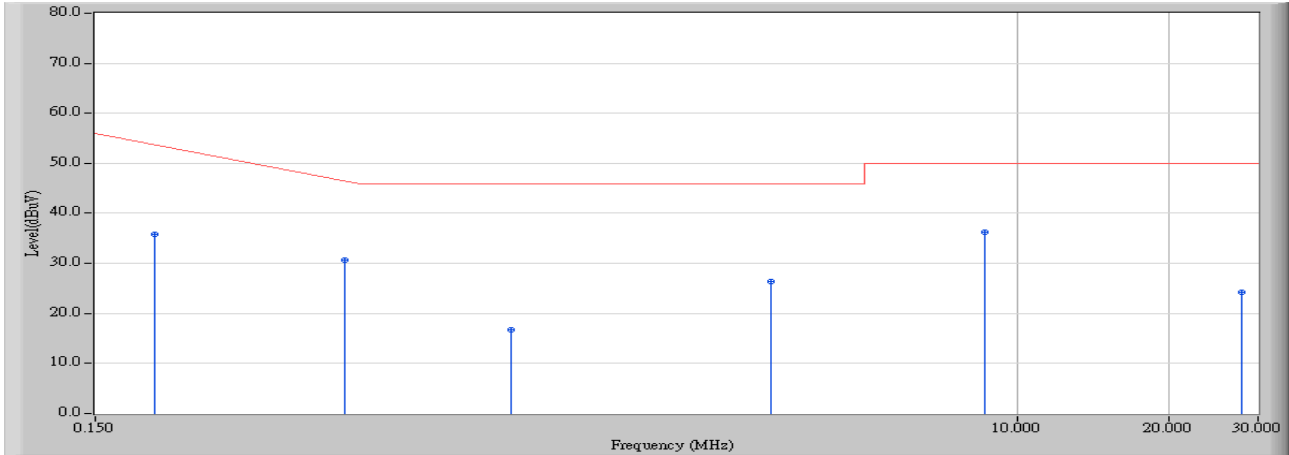


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1	0.197	0.200	45.320	45.520	-19.137	64.657	QUASPEAK
2	0.467	0.203	33.870	34.073	-22.870	56.943	QUASPEAK
3	0.998	0.210	20.390	20.600	-35.400	56.000	QUASPEAK
4	3.267	0.300	29.600	29.900	-26.100	56.000	QUASPEAK
5	* 8.666	0.496	41.750	42.246	-17.754	60.000	QUASPEAK
6	27.937	1.010	33.170	34.180	-25.820	60.000	QUASPEAK

Note:

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

Site : Quietek Shielding Room 2	Time : 2007/05/15 - 10:47
Limit : CISPR_B_00M_AV	Margin : 0
EUT : Wireless Router	Probe : QTK-LISN-SR2 - Line2
Power : AC 120V/60Hz	Note : TX-G-Mode 2: Transmit (AF1275-B)



	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1	0.197	0.200	35.520	35.720	-18.937	54.657	AVERAGE
2	0.467	0.203	30.370	30.573	-16.370	46.943	AVERAGE
3	0.998	0.210	16.590	16.800	-29.200	46.000	AVERAGE
4	3.267	0.300	26.150	26.450	-19.550	46.000	AVERAGE
5	* 8.666	0.496	35.840	36.336	-13.664	50.000	AVERAGE
6	27.937	1.010	23.140	24.150	-25.850	50.000	AVERAGE

Note:

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

4. Radiated Emission

4.1. Test Equipment

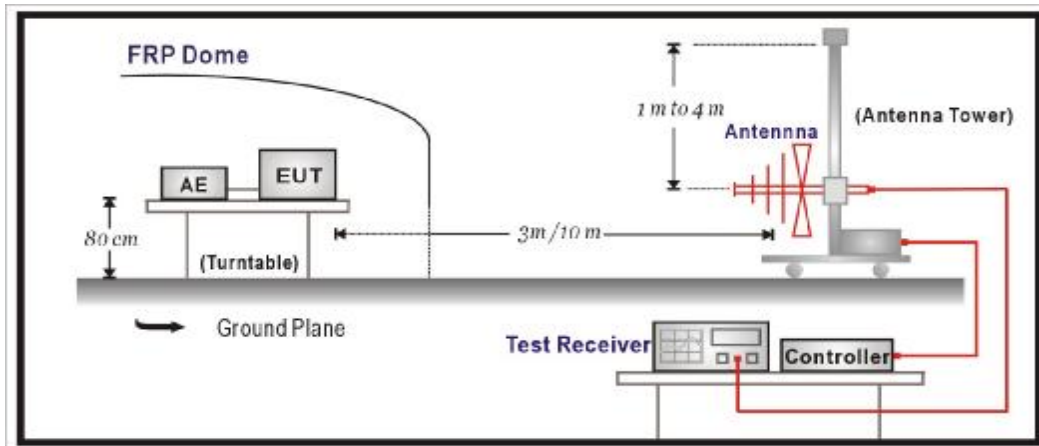
The following test equipment are used during the test:

Item		Equipment	Manufacturer	Model No. / Serial No.	Last Cal.
1	X	Test Receiver	R & S	ESCS 30 / 825442/017	Jan., 2007
2	X	Spectrum Analyzer	Advantest	R3261C / 81720266	N/A
3	X	Pre-Amplifier	HP	8447D / 2944A09276	N/A
4	X	Bilog Antenna	Chase	CBL6112B / 2455	Sep., 2006
5	X	Spectrum Analyzer	R & S	FSP40 / 100005	Aug., 2006
6	X	Pre-Amplifier	HP	8449B / 3008A01123	Feb., 2007
7	X	Horn Antenna	Schwarzbeck	BBHA 9120D / BBHA9120D312	Jul., 2006
8		No.1 OATS			Sep., 2006

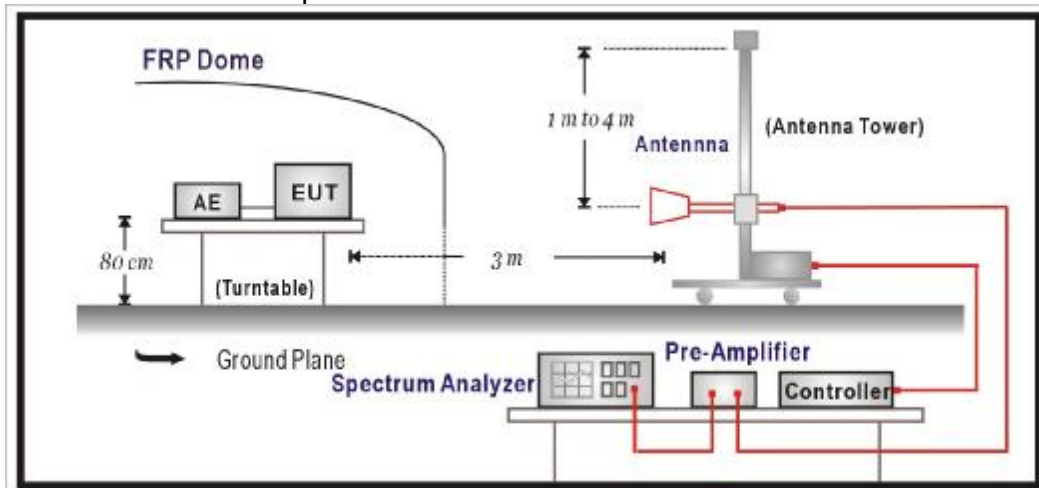
- Note: 1. All equipments that need to calibrate are with calibration period of 1 year.
 2. "N/A" Ca1.Date is used to Pre-test, not final test.

4.2. Test Setup

Under 1GHz Test Setup:



Above 1GHz Test Setup:



4.3. Limits

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

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

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

4.4. Test Procedure

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

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

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

4.5. Test Specification

According to FCC Part 15 Subpart C Paragraph 15.247: 2006

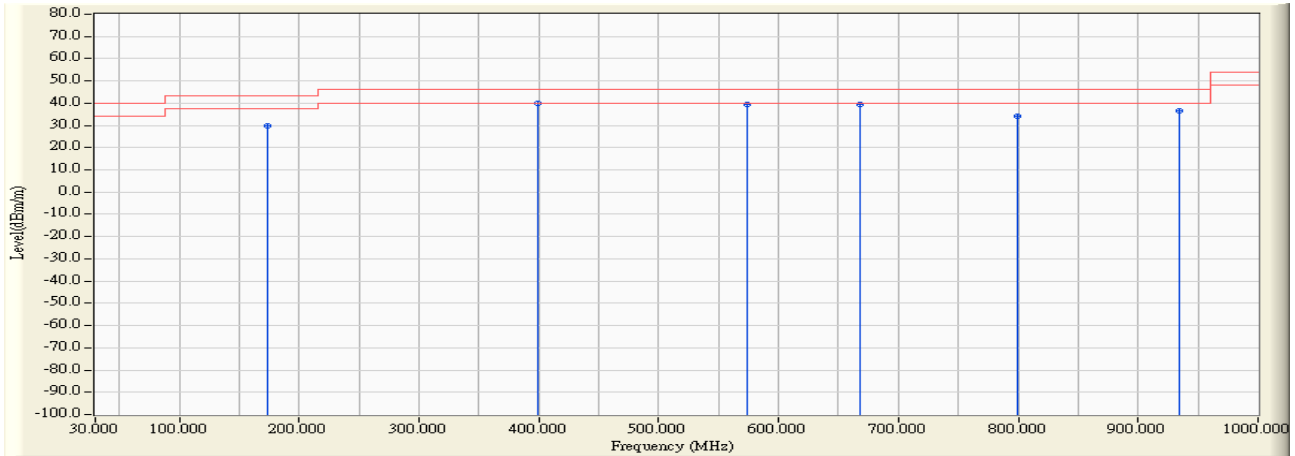
4.6. Uncertainty

The measurement uncertainty
 30MHz~1GHz as ±3.19dB
 1GHz~26.5Ghz as ±3.9dB

4.7. Test Result

30MHz-1GHz Spurious:

Site : Site 1	Time : 2007/05/14 - 17:34
Limit : FCC_CLASS_B_03M_QP	Margin : 6
EUT : Wireless Router	Probe : FCC_RF_30-1G(200605) - HORIZONTAL
Power : AC 120V/60Hz	Note : TX-B-CH 6-Mode 1: Transmit (AM-0751500D)

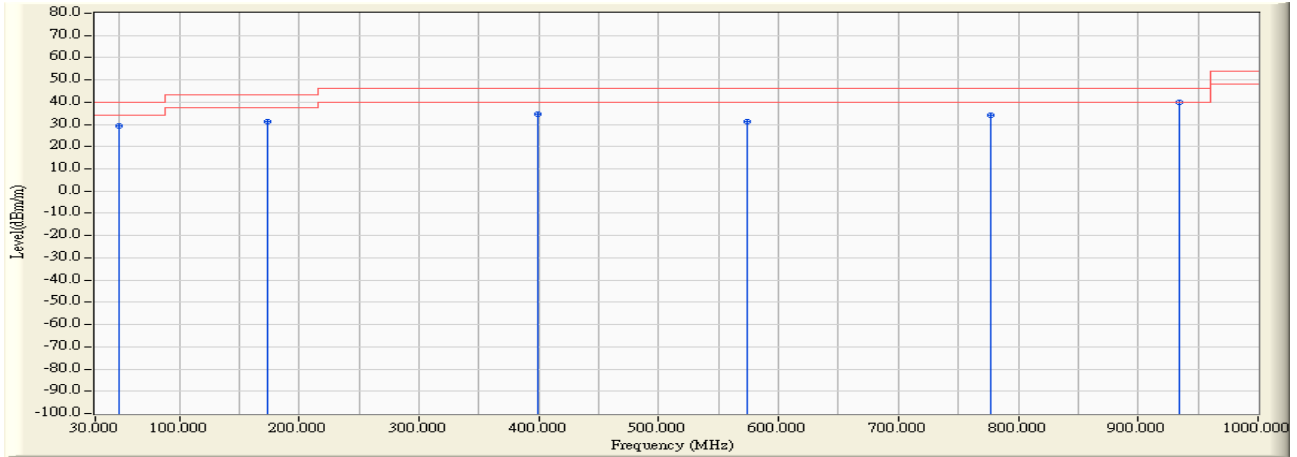


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBm)	Measure Level (dBm/m)	Margin (dB)	Limit (dBm/m)	Detector Type
1	173.848	-14.660	44.511	29.851	-13.649	43.500	Quasi-Peak
2	* 399.339	1.121	38.917	40.038	-5.962	46.000	Quasi-Peak
3	574.289	4.950	34.417	39.367	-6.633	46.000	Quasi-Peak
4	667.595	1.924	37.483	39.406	-6.594	46.000	Quasi-Peak
5	799.780	3.500	30.877	34.378	-11.622	46.000	Quasi-Peak
6	933.908	3.903	32.833	36.736	-9.264	46.000	Quasi-Peak

Note:

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

Site : Site 1	Time : 2007/05/14 - 17:35
Limit : FCC_CLASS_B_03M_QP	Margin : 6
EUT : Wireless Router	Probe : FCC_RF_30-1G(200605) - VERTICAL
Power : AC 120V/60Hz	Note : TX-B-CH 6-Mode 1: Transmit (AM-0751500D)

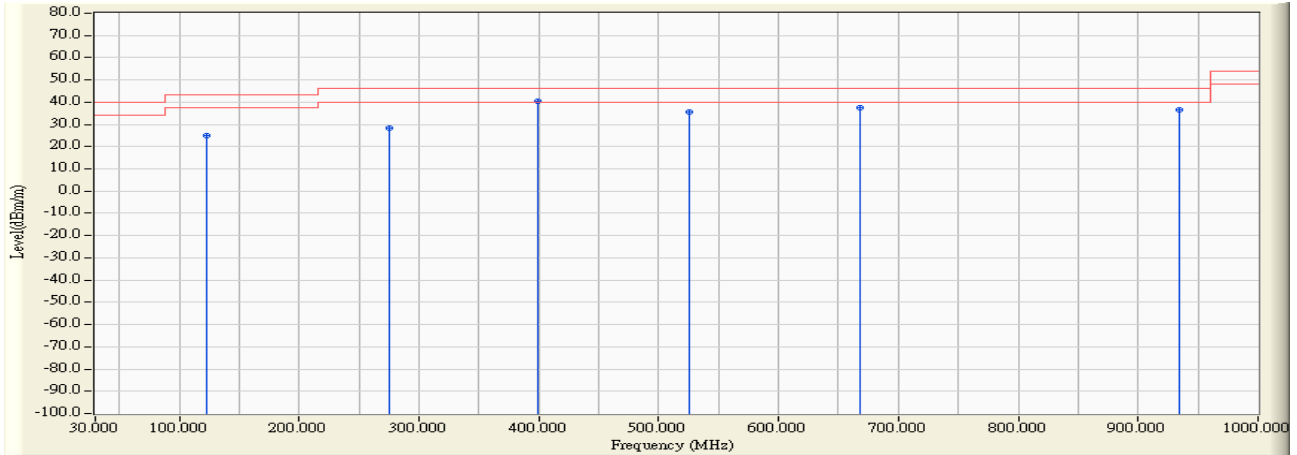


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBm)	Measure Level (dBm/m)	Margin (dB)	Limit (dBm/m)	Detector Type
1	49.439	-3.806	33.220	29.413	-10.587	40.000	Quasi-Peak
2	173.848	-7.547	38.829	31.282	-12.218	43.500	Quasi-Peak
3	399.339	-0.493	35.050	34.558	-11.442	46.000	Quasi-Peak
4	574.289	2.374	28.788	31.162	-14.838	46.000	Quasi-Peak
5	776.453	5.740	28.280	34.021	-11.979	46.000	Quasi-Peak
6	* 933.908	7.251	32.458	39.709	-6.291	46.000	Quasi-Peak

Note:

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

Site : Site 1	Time : 2007/05/14 - 17:36
Limit : FCC_CLASS_B_03M_QP	Margin : 6
EUT : Wireless Router	Probe : FCC_RF_30-1G(200605) - HORIZONTAL
Power : AC 120V/60Hz	Note : TX-G-CH 6-Mode 1: Transmit (AM-0751500D)

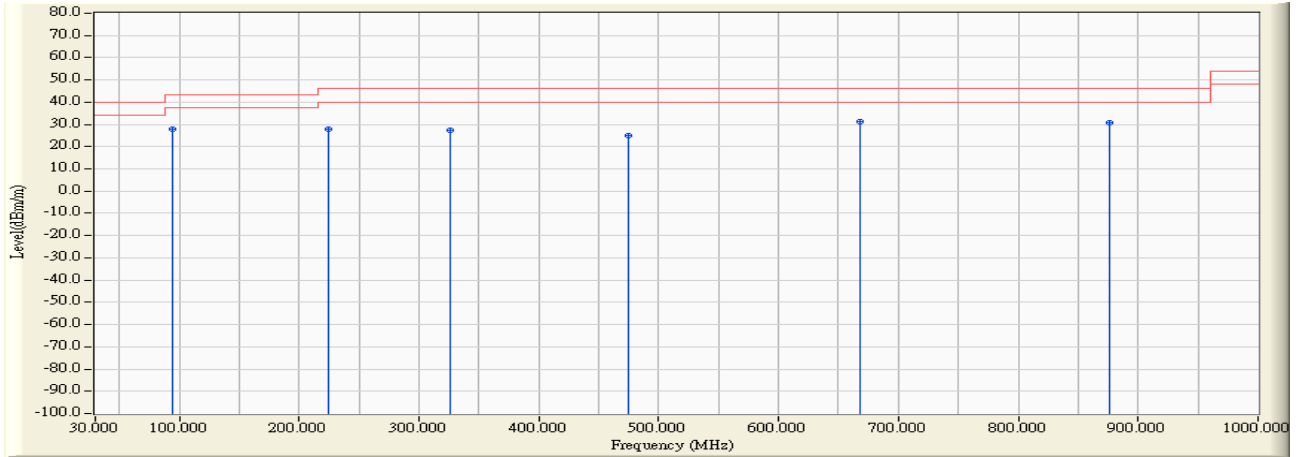


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBm)	Measure Level (dBm/m)	Margin (dB)	Limit (dBm/m)	Detector Type
1	123.307	-12.377	37.501	25.124	-18.376	43.500	Quasi-Peak
2	274.930	-6.655	34.896	28.241	-17.759	46.000	Quasi-Peak
3	* 399.339	1.121	39.238	40.359	-5.641	46.000	Quasi-Peak
4	525.691	1.292	34.155	35.447	-10.553	46.000	Quasi-Peak
5	667.595	1.924	35.404	37.327	-8.673	46.000	Quasi-Peak
6	933.908	3.903	32.894	36.797	-9.203	46.000	Quasi-Peak

Note:

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

Site : Site 1	Time : 2007/05/14 - 17:37
Limit : FCC_CLASS_B_03M_QP	Margin : 6
EUT : Wireless Router	Probe : FCC_RF_30-1G(200605) - VERTICAL
Power : AC 120V/60Hz	Note : TX-G-CH 6-Mode 1: Transmit (AM-0751500D)

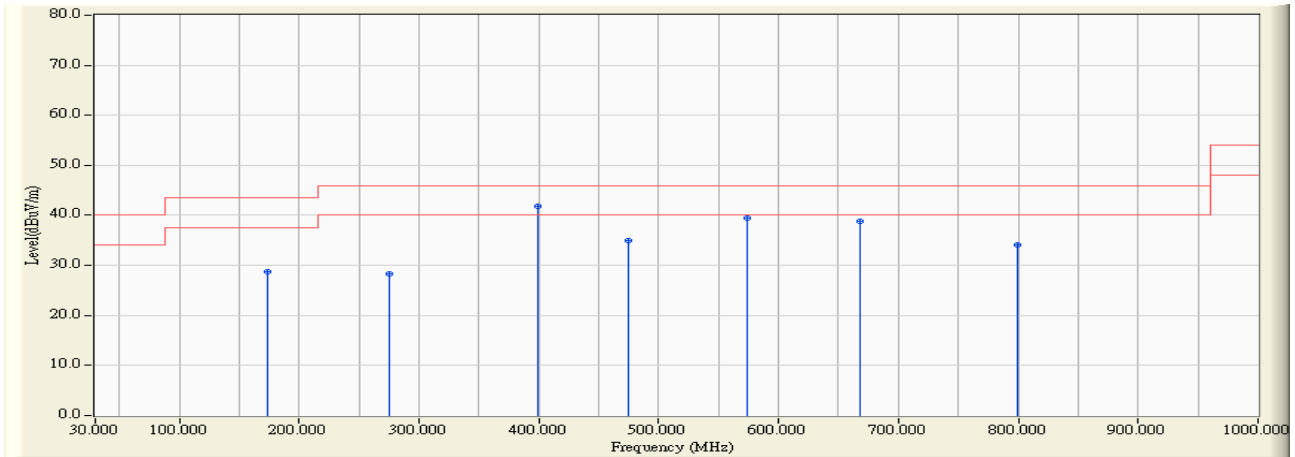


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBm)	Measure Level (dBm/m)	Margin (dB)	Limit (dBm/m)	Detector Type
1	94.148	-1.282	29.210	27.928	-15.572	43.500	Quasi-Peak
2	224.389	-7.202	34.910	27.708	-18.292	46.000	Quasi-Peak
3	325.471	-4.335	31.689	27.353	-18.647	46.000	Quasi-Peak
4	475.150	-3.182	28.069	24.887	-21.113	46.000	Quasi-Peak
5	* 667.595	-2.666	33.907	31.241	-14.759	46.000	Quasi-Peak
6	875.591	4.196	26.344	30.540	-15.460	46.000	Quasi-Peak

Note:

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

Site : Site 1	Time : 2007/05/21 - 13:28
Limit : FCC_CLASS_B_03M_QP	Margin : 6
EUT : Wireless Router	Probe : FCC_RF_30-1G(200605) - HORIZONTAL
Power : AC 120V/60Hz	Note : TX-B-CH 6-Mode 2: Transmit (AF1275-B)

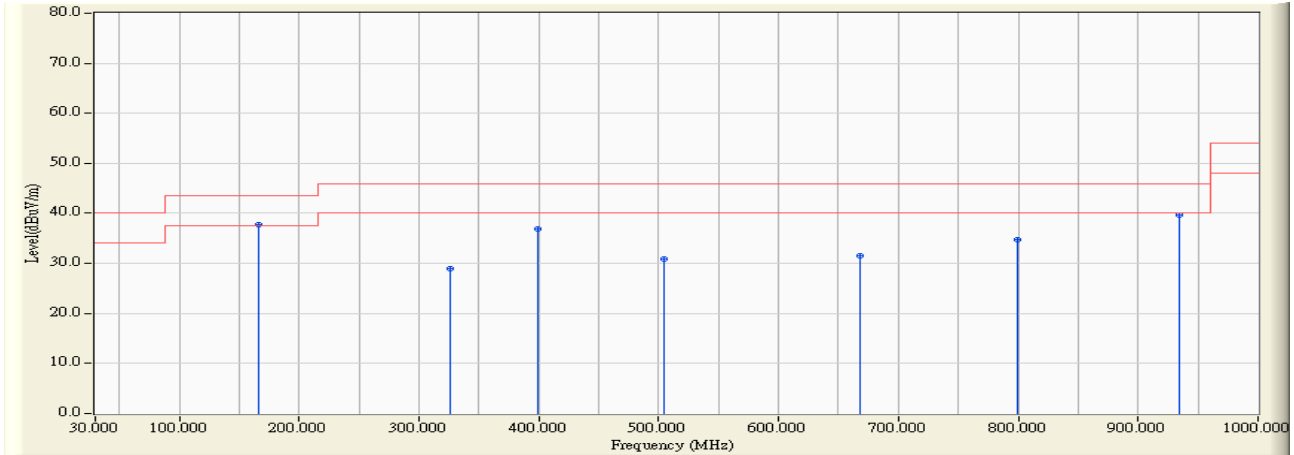


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	173.848	-14.660	43.494	28.834	-14.666	43.500	Quasi-Peak
2	274.930	-6.655	34.904	28.249	-17.751	46.000	Quasi-Peak
3	* 399.339	1.121	40.790	41.911	-4.089	46.000	Quasi-Peak
4	475.150	1.876	33.033	34.909	-11.091	46.000	Quasi-Peak
5	574.289	4.950	34.515	39.465	-6.535	46.000	Quasi-Peak
6	667.595	1.924	36.960	38.883	-7.117	46.000	Quasi-Peak
7	799.780	3.500	30.555	34.056	-11.944	46.000	Quasi-Peak

Note:

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

Site : Site 1	Time : 2007/05/21 - 13:28
Limit : FCC_CLASS_B_03M_QP	Margin : 6
EUT : Wireless Router	Probe : FCC_RF_30-1G(200605) - VERTICAL
Power : AC 120V/60Hz	Note : TX-B-CH 6-Mode 2: Transmit (AF1275-B)

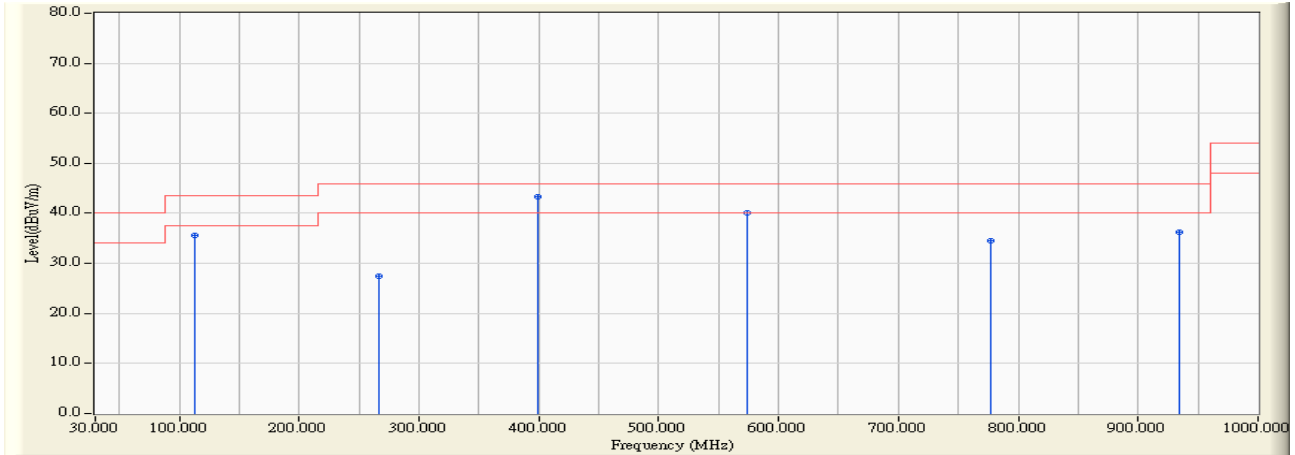


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	166.072	-5.583	43.411	37.828	-5.672	43.500	Quasi-Peak
2		325.471	-4.335	33.301	28.965	-17.035	46.000	Quasi-Peak
3		399.339	-0.493	37.380	36.888	-9.112	46.000	Quasi-Peak
4		504.309	-2.751	33.673	30.922	-15.078	46.000	Quasi-Peak
5		667.595	-2.666	34.102	31.436	-14.564	46.000	Quasi-Peak
6		799.780	4.910	29.866	34.777	-11.223	46.000	Quasi-Peak
7		933.908	7.251	32.500	39.751	-6.249	46.000	Quasi-Peak

Note:

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

Site : Site 1	Time : 2007/05/21 - 13:32
Limit : FCC_CLASS_B_03M_QP	Margin : 6
EUT : Wireless Router	Probe : FCC_RF_30-1G(200605) - HORIZONTAL
Power : AC 120V/60Hz	Note : TX-G-CH 6-Mode 2: Transmit (AF1275-B)

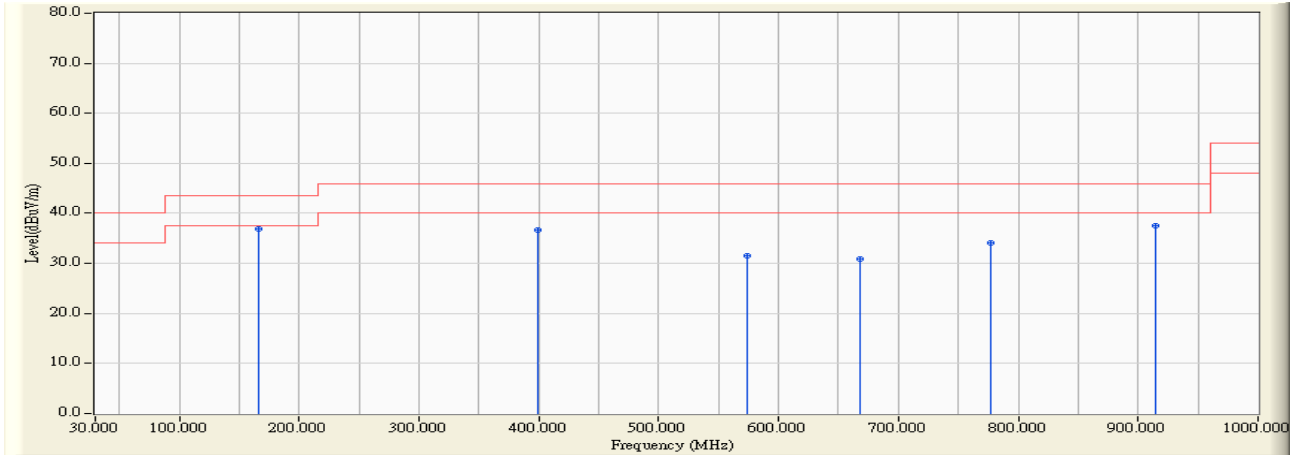


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	113.587	-10.342	45.936	35.594	-7.906	43.500	Quasi-Peak
2	267.154	-7.175	34.647	27.472	-18.528	46.000	Quasi-Peak
3	* 399.339	1.121	42.289	43.410	-2.590	46.000	Quasi-Peak
4	574.289	4.950	35.050	40.000	-6.000	46.000	Quasi-Peak
5	776.453	2.526	31.912	34.439	-11.561	46.000	Quasi-Peak
6	933.908	3.903	32.302	36.205	-9.795	46.000	Quasi-Peak

Note:

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

Site : Site 1	Time : 2007/05/21 - 13:33
Limit : FCC_CLASS_B_03M_QP	Margin : 6
EUT : Wireless Router	Probe : FCC_RF_30-1G(200605) - VERTICAL
Power : AC 120V/60Hz	Note : TX-G-CH 6-Mode 2: Transmit (AF1275-B)



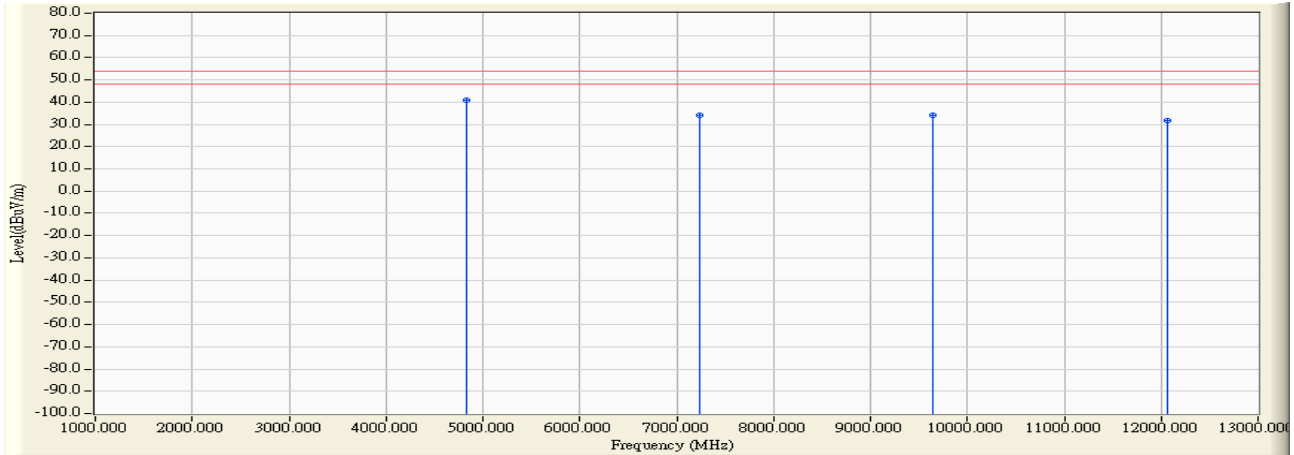
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	166.072	-5.583	42.546	36.963	-6.537	43.500	Quasi-Peak
2		399.339	-0.493	37.161	36.669	-9.331	46.000	Quasi-Peak
3		574.289	2.374	29.200	31.574	-14.426	46.000	Quasi-Peak
4		667.595	-2.666	33.445	30.779	-15.221	46.000	Quasi-Peak
5		776.453	5.740	28.436	34.177	-11.823	46.000	Quasi-Peak
6		914.469	0.807	36.752	37.559	-8.441	46.000	Quasi-Peak

Note:

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

Harmonic & Spurious:

Site : Site 1	Time : 2007/05/14 - 19:51
Limit : FCC_SpartC_15.247_H_03M_AV	Margin : 6
EUT : Wireless Router	Probe : FCC_RF_1G-18G(2005-3) - HORIZONTAL
Power : AC 120V/60Hz	Note : 2412-TX-B-CH 1

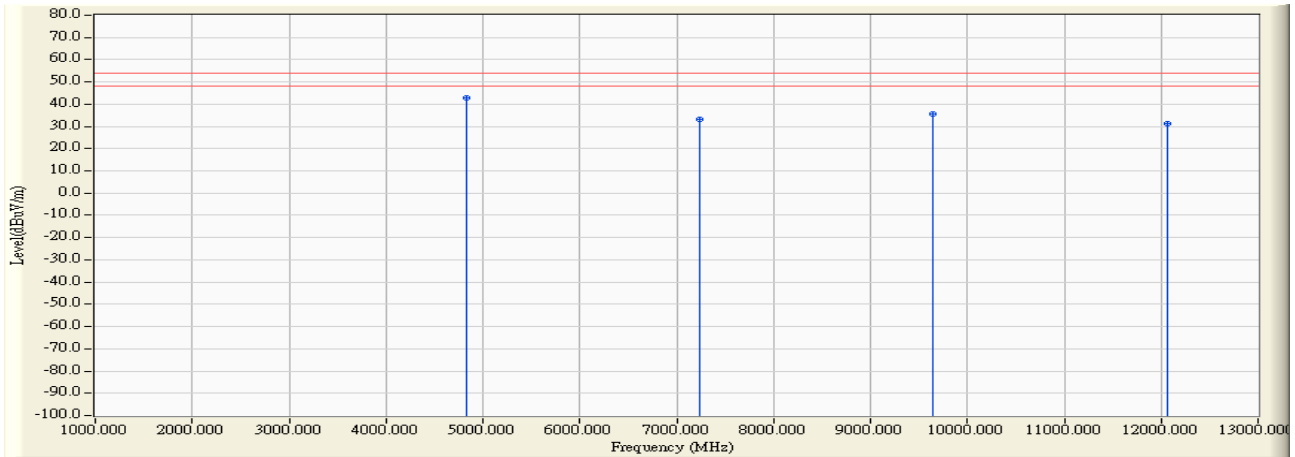


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)	Detector Type
1	*	4823.840	3.732	37.338	41.070	-12.930	74.000	54.000	AVERAGE
2		7235.980	8.726	25.264	33.990	-20.010	74.000	54.000	AVERAGE
3		9647.947	12.707	21.473	34.180	-19.820	74.000	54.000	AVERAGE
4		12060.520	15.100	16.679	31.780	-22.220	74.000	54.000	AVERAGE

Note:

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

Site : Site 1	Time : 2007/05/14 - 20:11
Limit : FCC_SpartC_15.247_H_03M_AV	Margin : 6
EUT : Wireless Router	Probe : FCC_RF_1G-18G(2005-3) - VERTICAL
Power : AC 120V/60Hz	Note : 2412-TX-B-CH 1

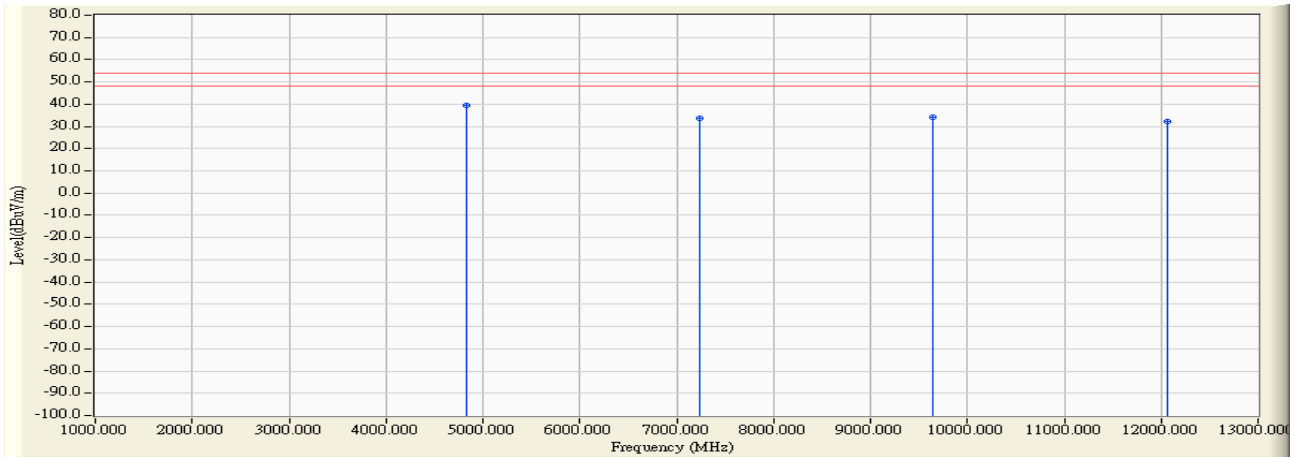


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)	Detector Type
1	*	4823.940	1.980	40.779	42.760	-11.240	74.000	54.000	AVERAGE
2		7236.010	8.726	24.344	33.070	-20.930	74.000	54.000	AVERAGE
3		9647.980	14.707	20.713	35.420	-18.580	74.000	54.000	AVERAGE
4		12060.050	17.225	13.906	31.130	-22.870	74.000	54.000	AVERAGE

Note:

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

Site : Site 1	Time : 2007/05/14 - 20:46
Limit : FCC_SpartC_15.247_H_03M_AV	Margin : 6
EUT : Wireless Router	Probe : FCC_RF_1G-18G(2005-3) - HORIZONTAL
Power : AC 120V/60Hz	Note : 2412-TX-G-CH 1

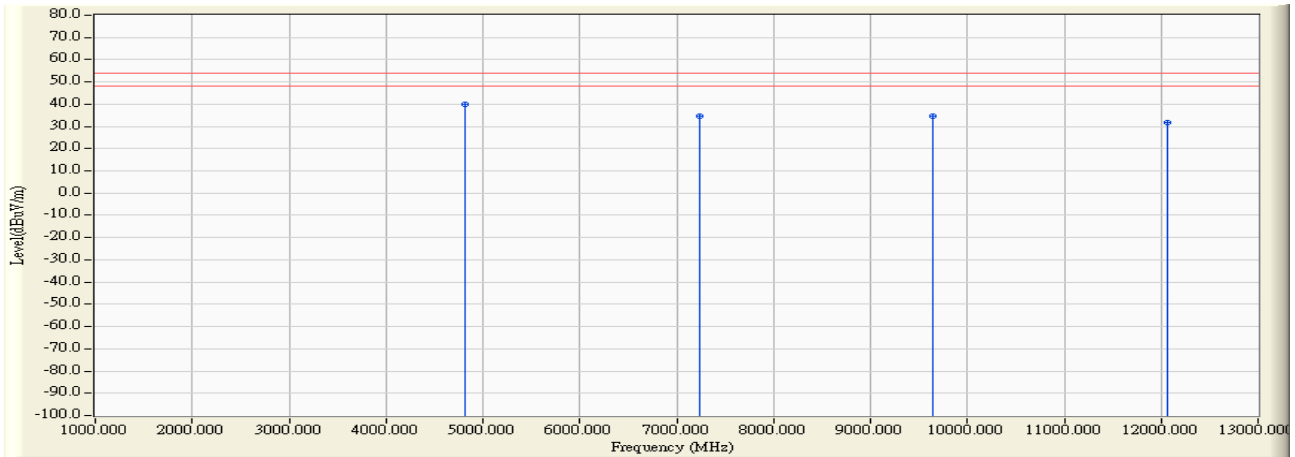


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)	Detector Type
1	*	4824.100	3.733	35.616	39.350	-14.650	74.000	54.000	AVERAGE
2		7236.100	8.727	25.063	33.790	-20.210	74.000	54.000	AVERAGE
3		9647.890	12.707	21.293	34.000	-20.000	74.000	54.000	AVERAGE
4		12060.010	15.058	17.272	32.330	-21.670	74.000	54.000	AVERAGE

Note:

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

Site : Site 1	Time : 2007/05/14 - 21:07
Limit : FCC_SpartC_15.247_H_03M_AV	Margin : 6
EUT : Wireless Router	Probe : FCC_RF_1G-18G(2005-3) - VERTICAL
Power : AC 120V/60Hz	Note : 2412-TX-G-CH 1

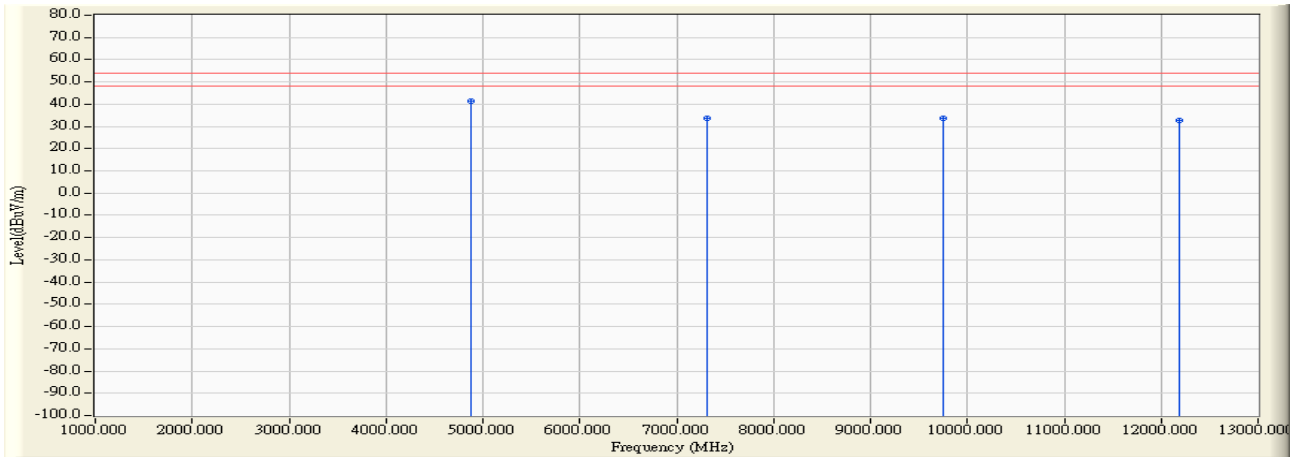


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)	Detector Type
1	*	4823.130	1.973	37.787	39.760	-14.240	74.000	54.000	AVERAGE
2		7236.300	8.727	26.063	34.790	-19.210	74.000	54.000	AVERAGE
3		9648.100	14.708	20.053	34.760	-19.240	74.000	54.000	AVERAGE
4		12059.890	17.222	14.578	31.800	-22.200	74.000	54.000	AVERAGE

Note:

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

Site : Site 1	Time : 2007/05/14 - 21:36
Limit : FCC_SpartC_15.247_H_03M_AV	Margin : 6
EUT : Wireless Router	Probe : FCC_RF_1G-18G(2005-3) - HORIZONTAL
Power : AC 120V/60Hz	Note : 2437-TX-B-CH 6

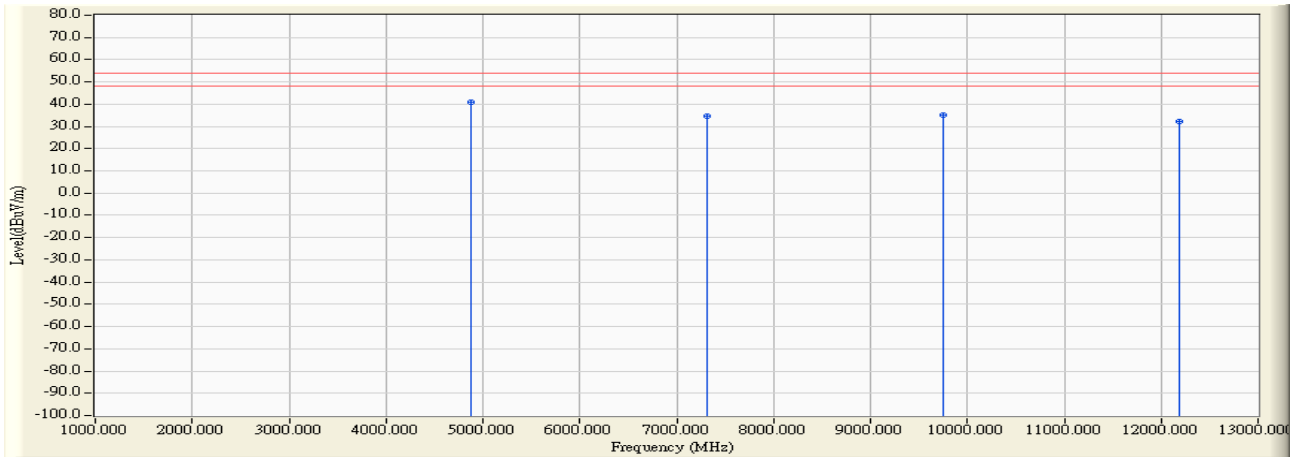


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)	Detector Type
1	*	4874.100	4.087	37.472	41.560	-12.440	74.000	54.000	AVERAGE
2		7311.700	8.846	24.974	33.820	-20.180	74.000	54.000	AVERAGE
3		9747.910	13.132	20.428	33.560	-20.440	74.000	54.000	AVERAGE
4		12184.470	18.995	13.735	32.730	-21.270	74.000	54.000	AVERAGE

Note:

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

Site : Site 1	Time : 2007/05/14 - 21:52
Limit : FCC_SpartC_15.247_H_03M_AV	Margin : 6
EUT : Wireless Router	Probe : FCC_RF_1G-18G(2005-3) - VERTICAL
Power AC 120V/60Hz	Note : 2437-TX-B-CH 6

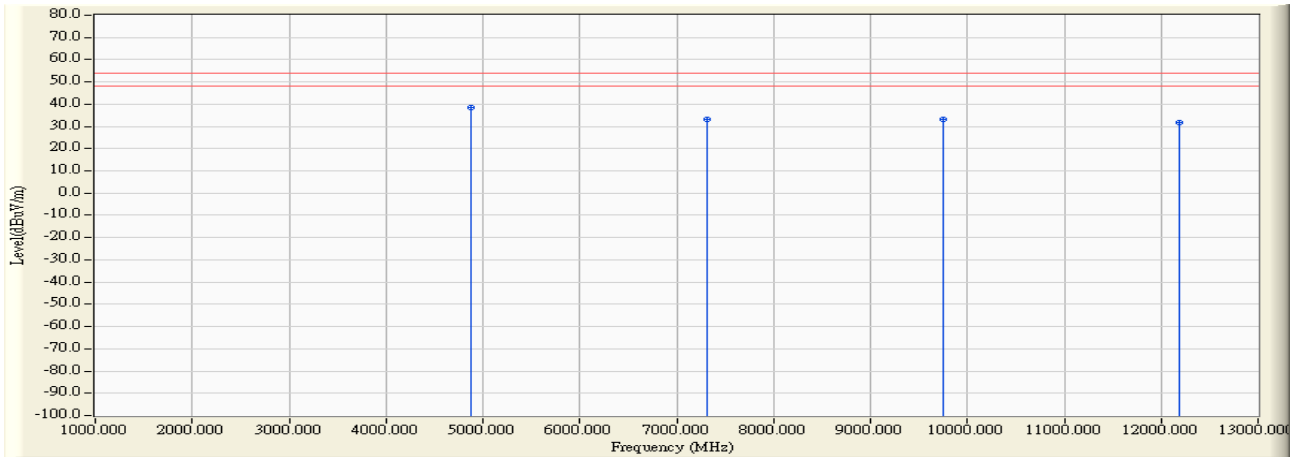


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)	Detector Type
1	*	4873.780	2.432	38.628	41.060	-12.940	74.000	54.000	AVERAGE
2		7311.210	8.845	25.795	34.640	-19.360	74.000	54.000	AVERAGE
3		9748.210	15.134	19.836	34.970	-19.030	74.000	54.000	AVERAGE
4		12185.210	19.394	12.866	32.260	-21.740	74.000	54.000	AVERAGE

Note:

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

Site : Site 1	Time : 2007/05/14 - 22:16
Limit : FCC_SpartC_15.247_H_03M_AV	Margin : 6
EUT : Wireless Router	Probe : FCC_RF_1G-18G(2005-3) - HORIZONTAL
Power AC 120V/60Hz	Note : 2437-TX-G-CH 6

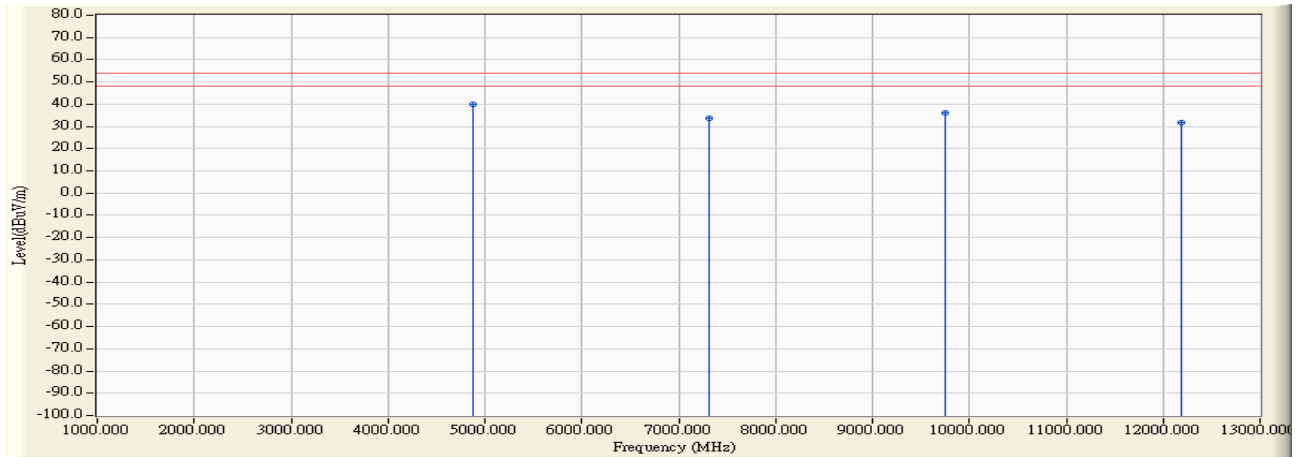


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)	Detector Type
1	*	4874.210	4.089	34.182	38.270	-15.730	74.000	54.000	AVERAGE
2		7312.050	8.846	24.534	33.380	-20.620	74.000	54.000	AVERAGE
3		9749.050	13.139	20.211	33.350	-20.650	74.000	54.000	AVERAGE
4		12185.210	18.997	12.793	31.790	-22.210	74.000	54.000	AVERAGE

Note:

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

Site : Site 1	Time : 2007/05/14 - 22:31
Limit : FCC_SpartC_15.247_H_03M_AV	Margin : 6
EUT : Wireless Router	Probe : FCC_RF_1G-18G(2005-3) - VERTICAL
Power AC 120V/60Hz	Note : 2437-TX-G-CH 6

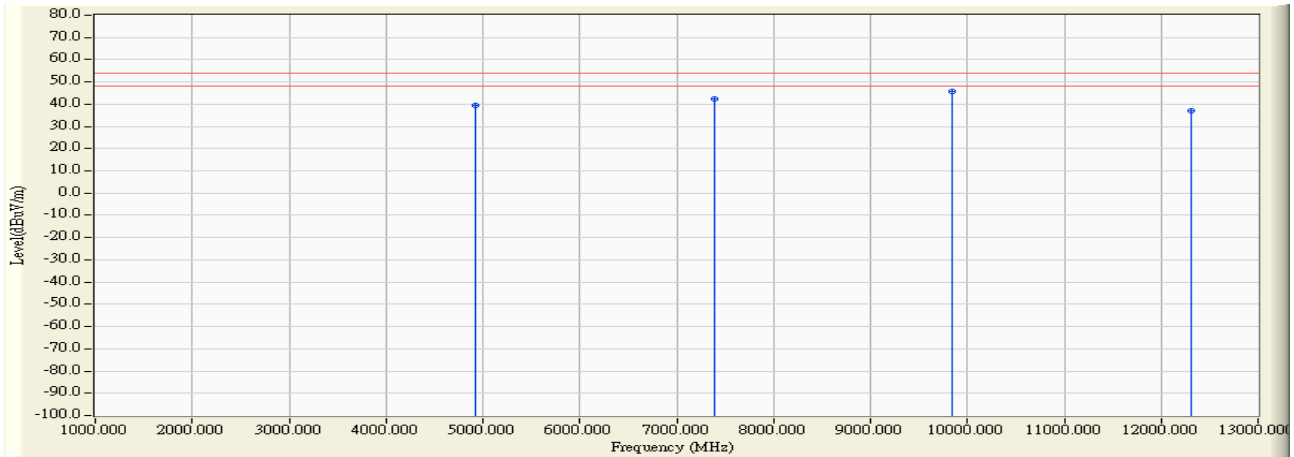


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)	Detector Type
1	*	4874.100	2.434	37.436	39.870	-14.130	74.000	54.000	AVERAGE
2		7311.000	8.845	24.625	33.470	-20.530	74.000	54.000	AVERAGE
3		9747.890	15.132	21.048	36.180	-17.820	74.000	54.000	AVERAGE
4		12184.890	19.388	12.412	31.800	-22.200	74.000	54.000	AVERAGE

Note:

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

Site : Site 1	Time : 2007/05/17 - 20:21
Limit : FCC_SpartC_15.247_H_03M_AV	Margin : 6
EUT : Wireless Router	Probe : FCC_RF_1G-18G(2005-3) - HORIZONTAL
Power : AC 120V/60Hz	Note : 2462-TX-B-CH 11

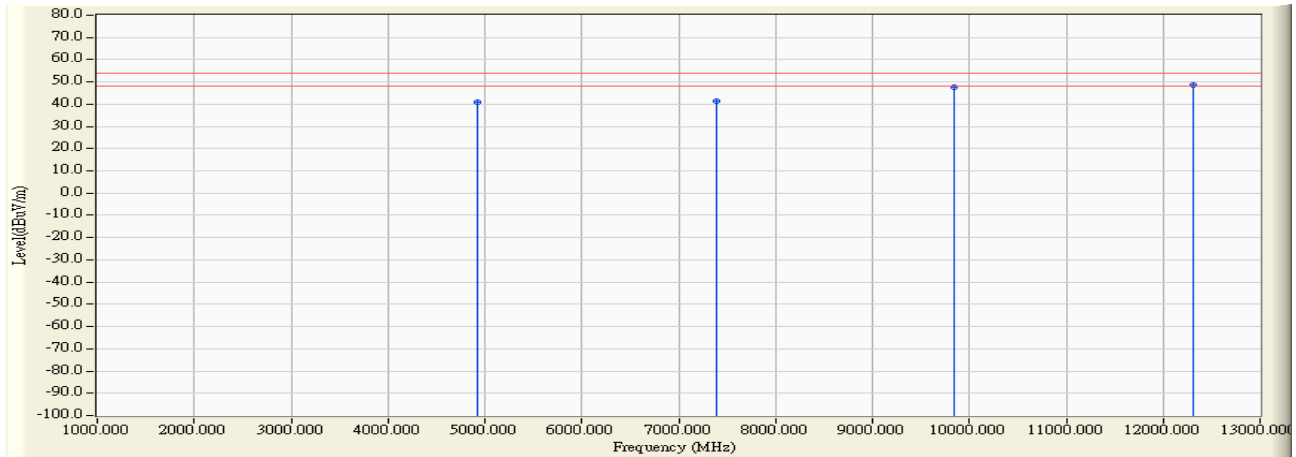


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)	Detector Type
1	4923.350	4.379	35.120	39.499	-14.501	74.000	54.000	AVERAGE
2	7386.740	8.944	33.430	42.374	-11.626	74.000	54.000	AVERAGE
3	* 9847.690	13.833	31.850	45.682	-8.318	74.000	54.000	AVERAGE
4	12310.260	6.475	30.660	37.135	-16.865	74.000	54.000	AVERAGE

Note:

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

Site : Site 1	Time : 2007/05/17 - 20:22
Limit : FCC_SpartC_15.247_H_03M_AV	Margin : 6
EUT : Wireless Router	Probe : FCC_RF_1G-18G(2005-3) - VERTICAL
Power : AC 120V/60Hz	Note : 2462-TX-B-CH 11

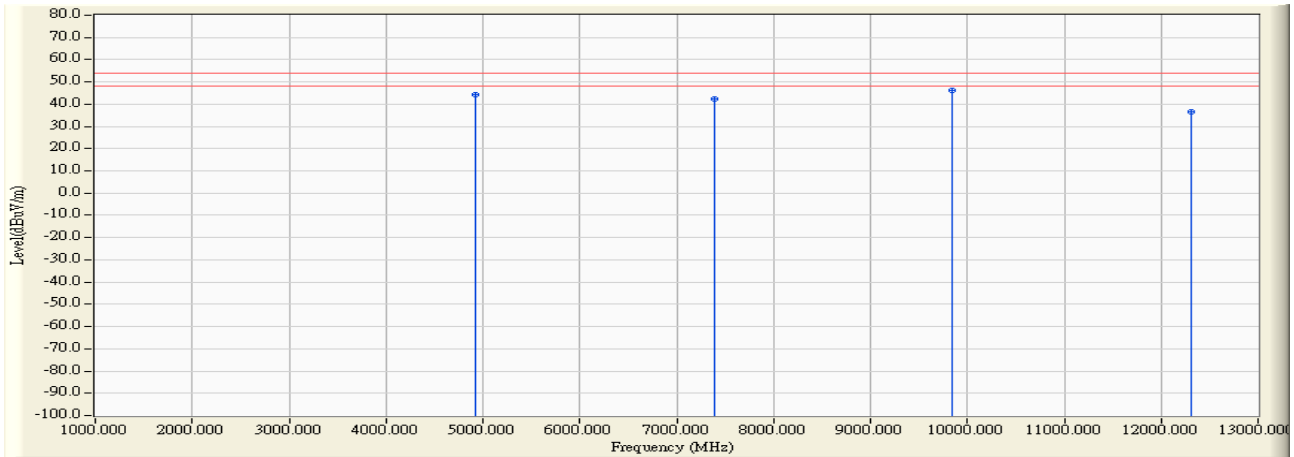


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)	Detector Type
1	4924.230	2.835	38.210	41.045	-12.955	74.000	54.000	AVERAGE
2	7396.790	8.958	32.650	41.608	-12.392	74.000	54.000	AVERAGE
3	9847.800	15.355	32.460	47.815	-6.185	74.000	54.000	AVERAGE
4	* 12310.000	17.903	30.900	48.803	-5.197	74.000	54.000	AVERAGE

Note:

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

Site : Site 1	Time : 2007/05/17 - 19:56
Limit : FCC_SpartC_15.247_H_03M_AV	Margin : 6
EUT : Wireless Router	Probe : FCC_RF_1G-18G(2005-3) - HORIZONTAL
Power : AC 120V/60Hz	Note : 2462-TX-G-CH 11

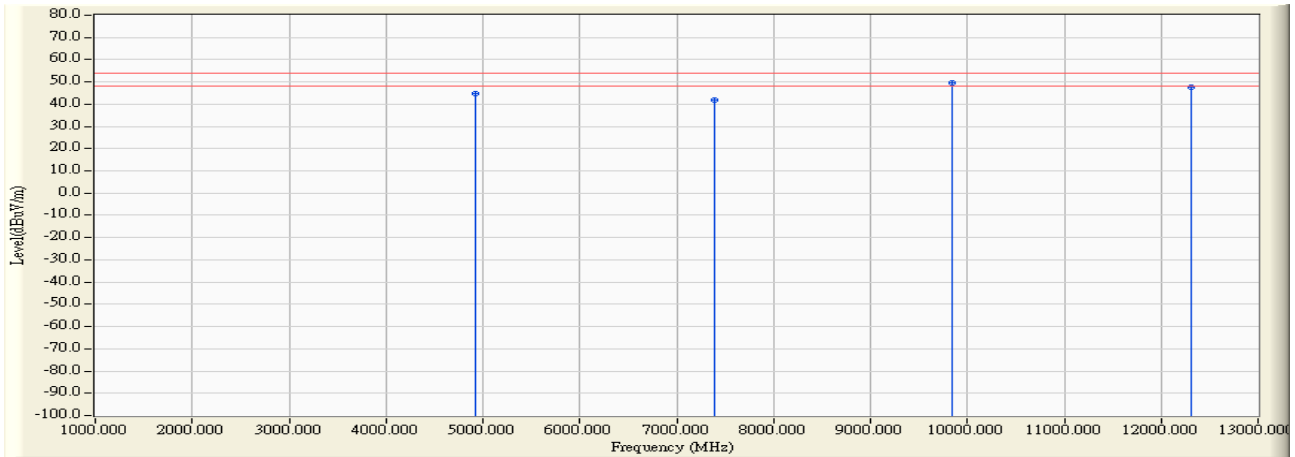


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)	Detector Type
1	4924.090	4.381	40.060	44.441	-9.559	74.000	54.000	AVERAGE
2	7386.450	8.943	33.360	42.303	-11.697	74.000	54.000	AVERAGE
3	* 9848.450	13.840	32.620	46.460	-7.540	74.000	54.000	AVERAGE
4	12310.150	6.457	30.140	36.597	-17.403	74.000	54.000	AVERAGE

Note:

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

Site : Site 1	Time : 2007/05/17 - 20:06
Limit : FCC_SpartC_15.247_H_03M_AV	Margin : 6
EUT : Wireless Router	Probe : FCC_RF_1G-18G(2005-3) - VERTICAL
Power : AC 120V/60Hz	Note : 2462-TX-G-CH 11



	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)	Detector Type
1	4923.900	2.833	41.790	44.624	-9.376	74.000	54.000	AVERAGE
2	7386.050	8.944	33.170	42.113	-11.887	74.000	54.000	AVERAGE
3	* 9847.980	15.356	34.210	49.565	-4.435	74.000	54.000	AVERAGE
4	12310.000	17.903	29.880	47.783	-6.217	74.000	54.000	AVERAGE

Note:

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

5. Band Edge

5.1. Test Equipment

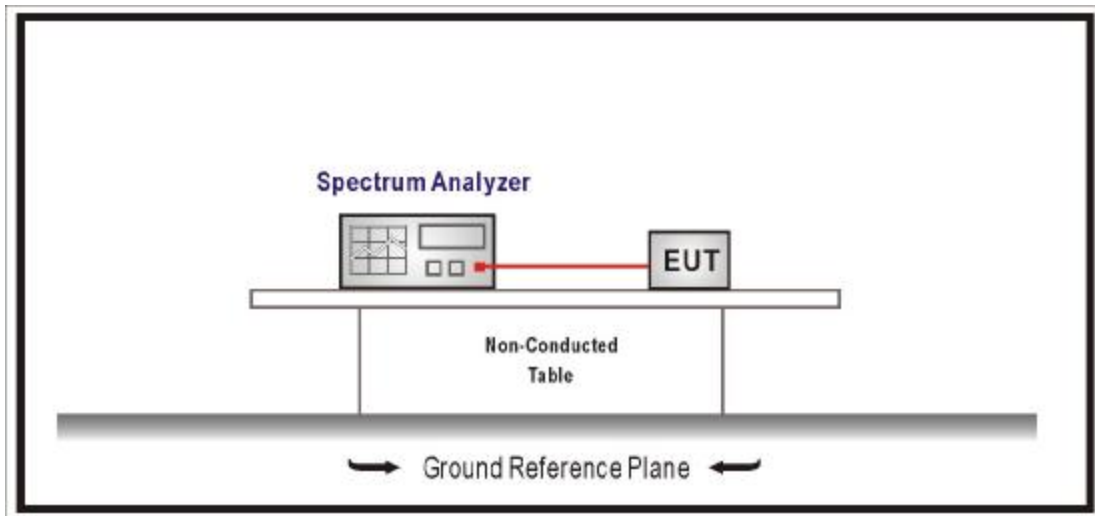
The following test equipment are used during the test:

RF Conducted Measurement:					
Item	Equipment		Manufacturer	Model No. / Serial No.	Last Cal.
1	Spectrum Analyzer		R & S	FSP / 100561	Mar., 2007
2	No.1 OATS				Sep., 2006
RF Radiated Measurement:					
Item	Equipment		Manufacturer	Model No. / Serial No.	Last Cal.
1	X	Spectrum Analyzer	R & S	FSP40 / 100005	Aug., 2006
2	X	Pre-Amplifier	HP	8449B / 3008A01123	Feb., 2007
3		Loop Antenna	R & S	HFH2-Z2 / 833799/004	Sep., 2006
4		BiconiLog Antenna	Schwarzbeck	VULB 9166 / 1061	Sep., 2006
5		Bilog Antenna	Chase	CBL6112B / 2455	Sep., 2006
6	X	Horn Antenna	Schwarzbeck	BBHA 9120D / BBHA9120D312	Sep., 2006
7	No.1 OATS				Sep., 2006

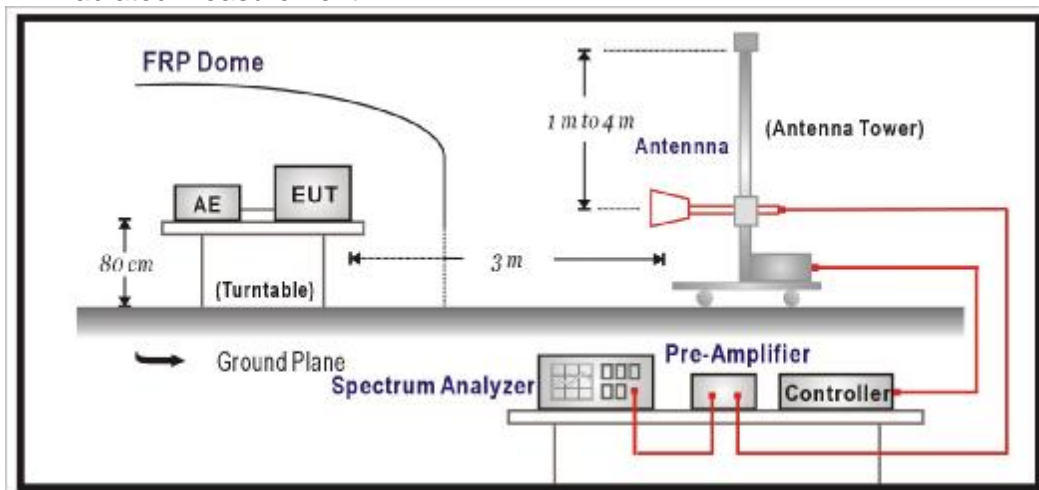
- Note: 1. All equipments that need to calibrate are with calibration period of 1 year.
 2. Mark "X" test instruments are used to measure the final test results.

5.2. Test Setup

RF Conducted Measurement:



RF Radiated Measurement:



5.3. Limits

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

5.4. Test Procedure

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

The antenna can move up and down between 1 meter and 4 meters to find out the maximum emission level.

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

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

5.5. Test Specification

According to FCC Part 15 Subpart C Paragraph 15.247: 2006

5.6. Uncertainty

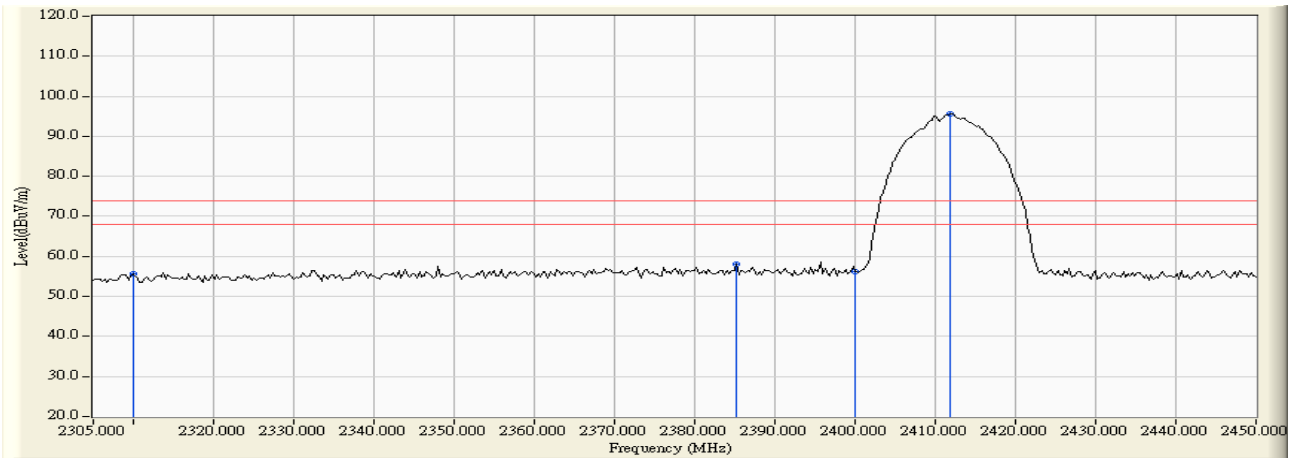
The measurement uncertainty

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

Radiated is defined as $\pm 3.9\text{dB}$

5.7. Test Result

Site : Site 1	Time : 2007/06/12 - 16:03
Limit : FCC_SpartC_15.209_03M_PK	Margin : 6
EUT : Wireless Router	Probe : FCC_RF_1G-18G(2005-3) - HORIZONTAL
Power : AC 120V/60Hz	Note : CH1-B

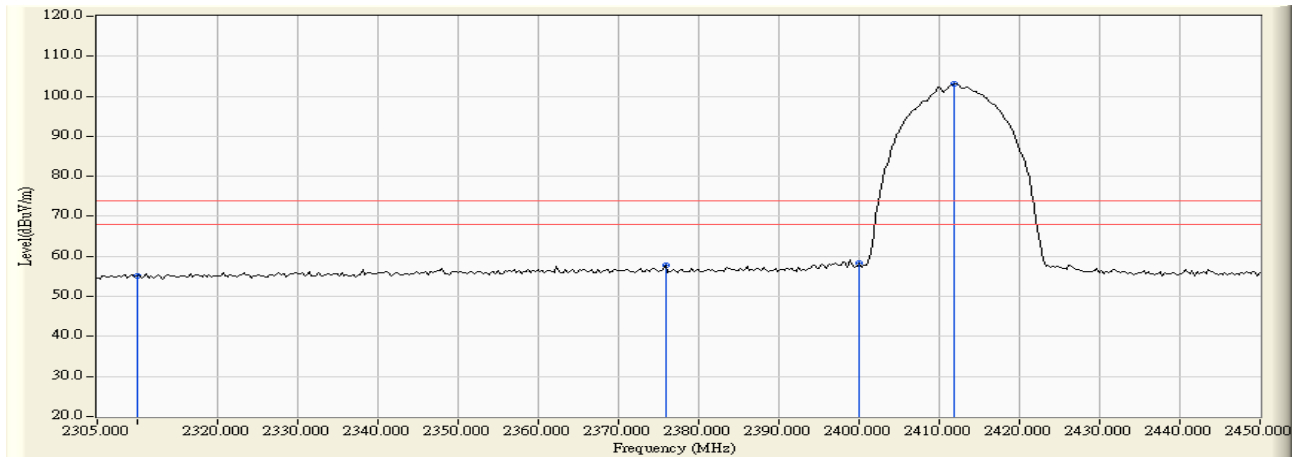


	Frequency (MHz)	Probe Factor (dB/m)	Cable Loss (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)	Detector Type
1	2385.200	24.459	4.505	29.103	58.067	-15.903	74.000	54.000	PEAK

Note:

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

Site : Site 1	Time : 2007/06/12 - 16:18
Limit : FCC_SpartC_15.209_03M_PK	Margin : 6
EUT : Wireless Router	Probe : FCC_RF_1G-18G(2005-3) - VERTICAL
Power : AC 120V/60Hz	Note : CH1-B

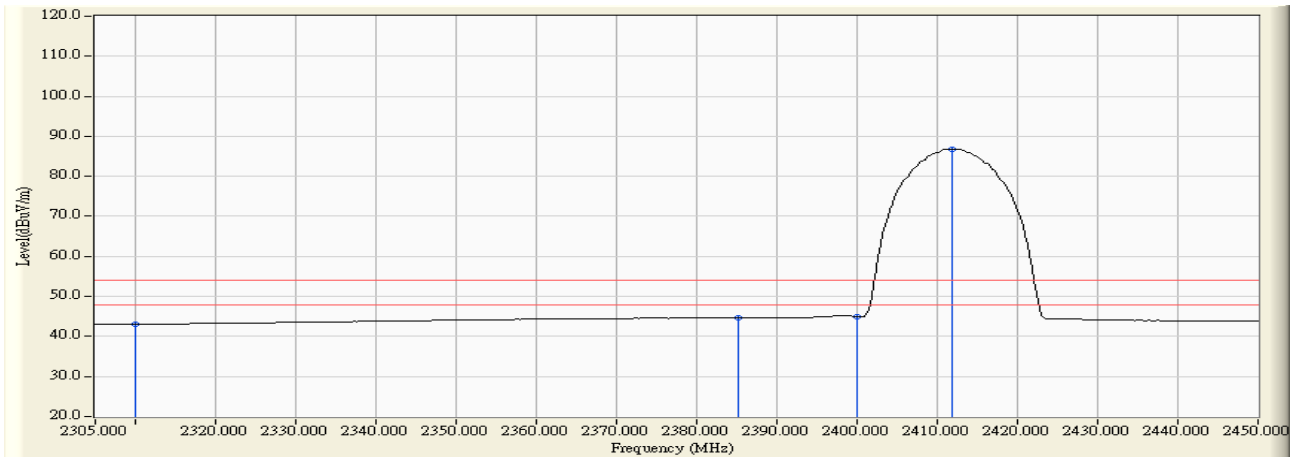


	Frequency (MHz)	Probe Factor (dB/m)	Cable Loss (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)	Detector Type
1	2375.900	22.827	4.499	30.556	57.882	-16.088	74.000	54.000	PEAK

Note:

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

Site : Site 1	Time : 2007/06/12 - 16:07
Limit : FCC_SpartC_15.209_03M_AV	Margin : 6
EUT : Wireless Router	Probe : FCC_RF_1G-18G(2005-3) - HORIZONTAL
Power : AC 120V/60Hz	Note : CH1-B

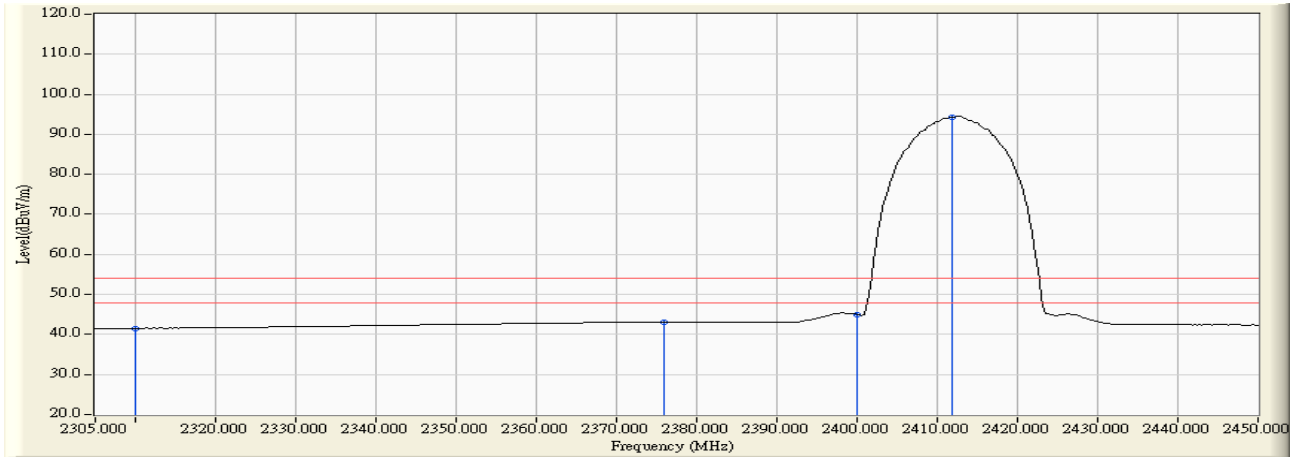


	Frequency (MHz)	Probe Factor (dB/m)	Cable Loss (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)	Detector Type
1	2385.200	24.459	4.505	15.623	44.587	-9.383	74.000	54.000	AVERAGE

Note:

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

Site : Site 1	Time : 2007/06/12 - 16:20
Limit : FCC_SpartC_15.209_03M_AV	Margin : 6
EUT : Wireless Router	Probe : FCC_RF_1G-18G(2005-3) - VERTICAL
Power : AC 120V/60Hz	Note : CH1-B

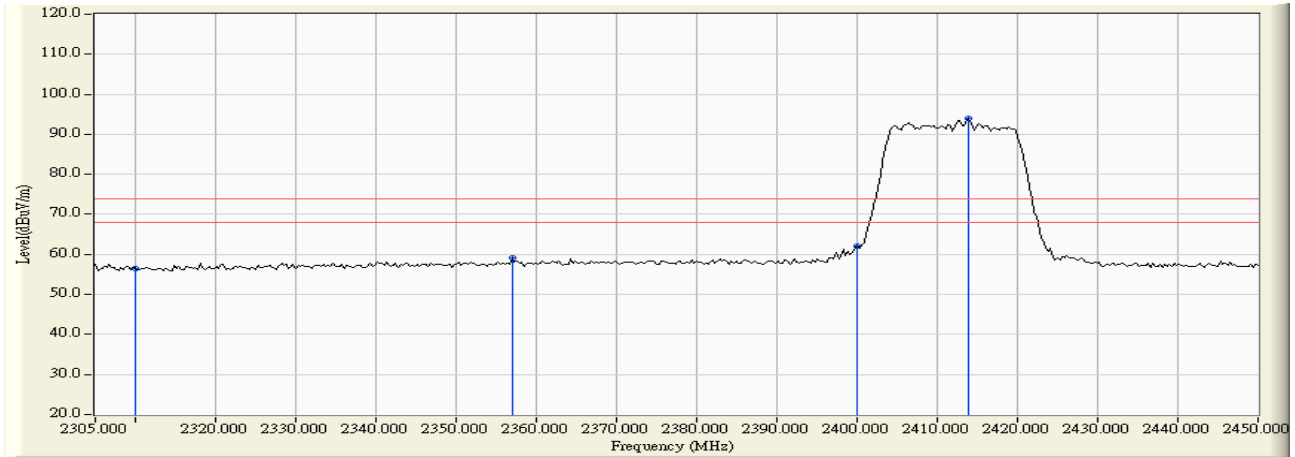


	Frequency (MHz)	Probe Factor (dB/m)	Cable Loss (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)	Detector Type
1	2375.900	22.827	4.499	15.778	43.104	-10.866	74.000	54.000	AVERAGE

Note:

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

Site : Site 1	Time : 2007/06/12 - 16:33
Limit : FCC_SpartC_15.209_03M_PK	Margin : 6
EUT : Wireless Router	Probe : FCC_RF_1G-18G(2005-3) - HORIZONTAL
Power : AC 120V/60Hz	Note : CH1-G

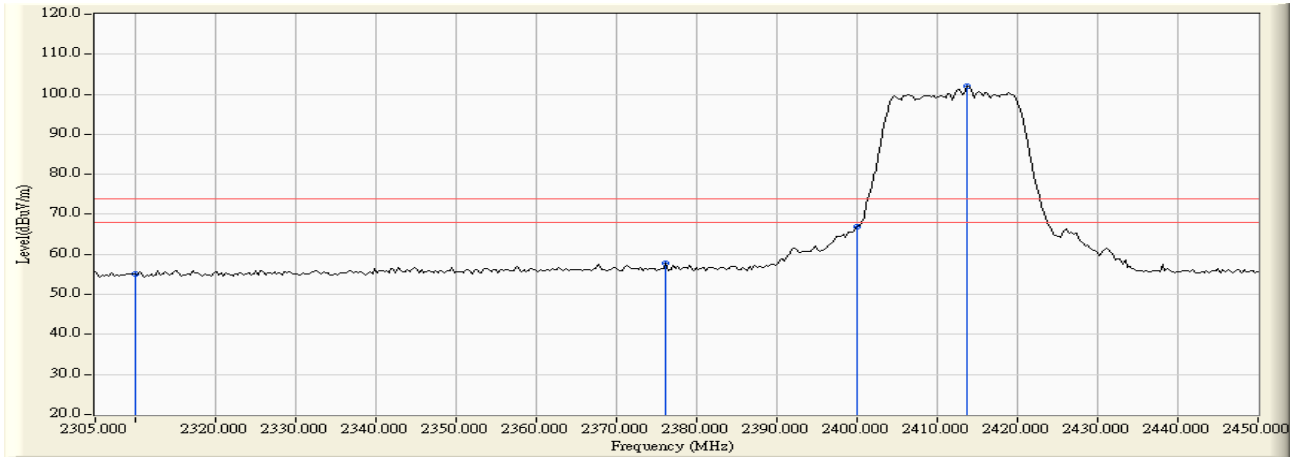


	Frequency (MHz)	Probe Factor (dB/m)	Cable Loss (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)	Detector Type
1	2357.014	24.371	4.486	30.173	59.031	-14.939	74.000	54.000	PEAK

Note:

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

Site : Site 1	Time : 2007/06/12 - 16:42
Limit : FCC_SpartC_15.209_03M_PK	Margin : 6
EUT : Wireless Router	Probe : FCC_RF_1G-18G(2005-3) - VERTICAL
Power : AC 120V/60Hz	Note : CH1-G

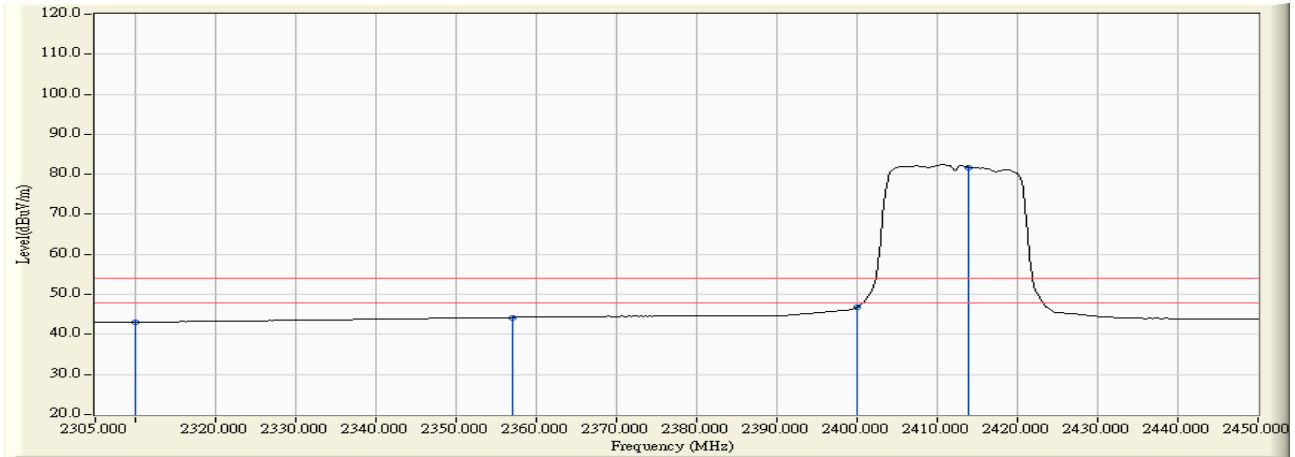


	Frequency (MHz)	Probe Factor (dB/m)	Cable Loss (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)	Detector Type
1	2376.192	22.828	4.500	30.413	57.740	-16.230	74.000	54.000	PEAK

Note:

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

Site : Site 1	Time : 2007/06/12 - 16:36
Limit : FCC_SpartC_15.209_03M_AV	Margin : 6
EUT : Wireless Router	Probe : FCC_RF_1G-18G(2005-3) - HORIZONTAL
Power : AC 120V/60Hz	Note : CH1-G

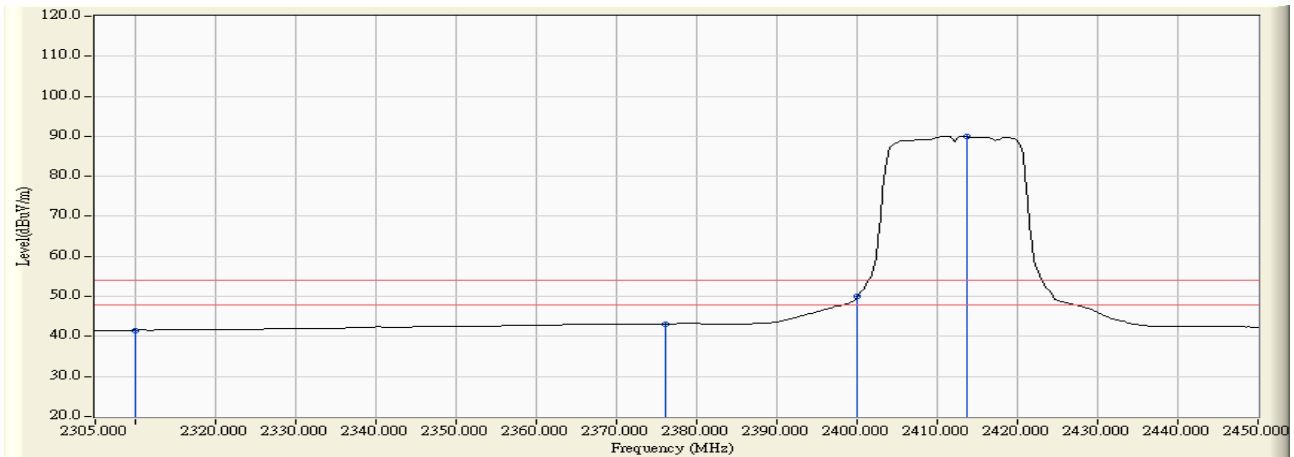


	Frequency (MHz)	Probe Factor (dB/m)	Cable Loss (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)	Detector Type
1	2357.014	24.371	4.486	15.400	44.258	-9.712	74.000	54.000	AVERAGE

Note:

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

Site : Site 1	Time : 2007/06/12 - 16:44
Limit : FCC_SpartC_15.209_03M_AV	Margin : 6
EUT : Wireless Router	Probe : FCC_RF_1G-18G(2005-3) - VERTICAL
Power : AC 120V/60Hz	Note : CH1-G

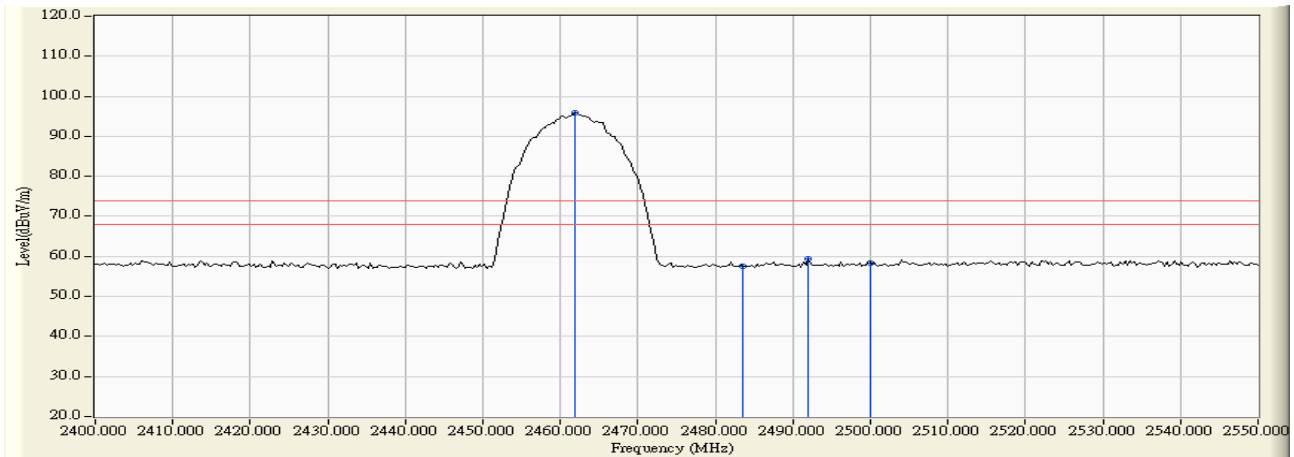


	Frequency (MHz)	Probe Factor (dB/m)	Cable Loss (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)	Detector Type
1	2376.192	22.828	4.500	15.833	43.160	-10.810	74.000	54.000	AVERAGE

Note:

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

Site : Site 1	Time : 2007/06/12 - 17:10
Limit : FCC_SpartC_15.209_03M_PK	Margin : 6
EUT : Wireless Router	Probe : FCC_RF_1G-18G(2005-3) - HORIZONTAL
Power : AC 120V/60Hz	Note : CH11-B

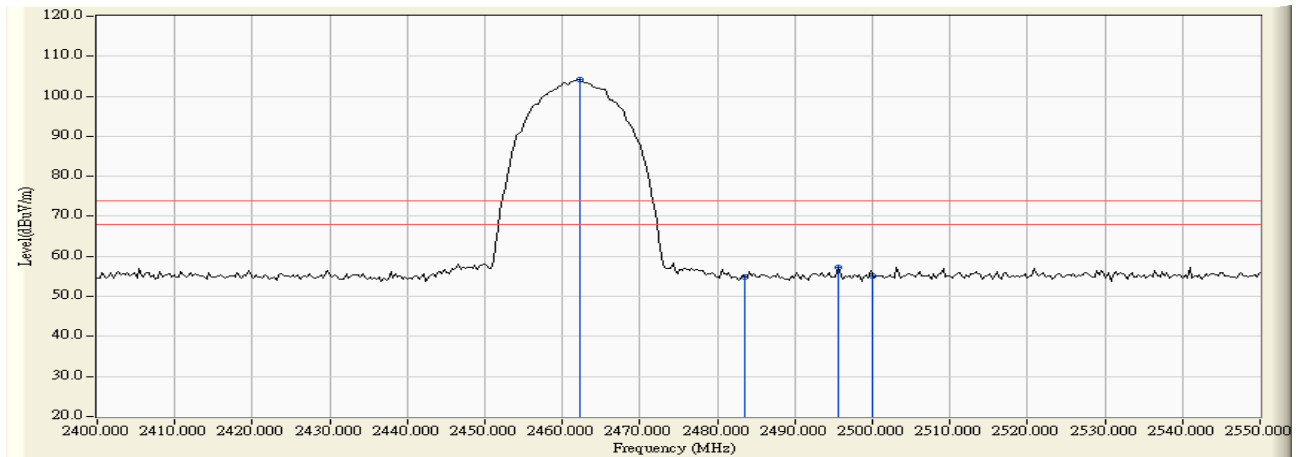


	Frequency (MHz)	Probe Factor (dB/m)	Cable Loss (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)	Detector Type
1	2491.984	24.741	4.578	30.011	59.329	-14.641	74.000	54.000	PEAK

Note:

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

Site : Site 1	Time : 2007/06/12 - 16:56
Limit : FCC_SpartC_15.209_03M_PK	Margin : 6
EUT : Wireless Router	Probe : FCC_RF_1G-18G(2005-3) - VERTICAL
Power : AC 120V/60Hz	Note : CH11-B

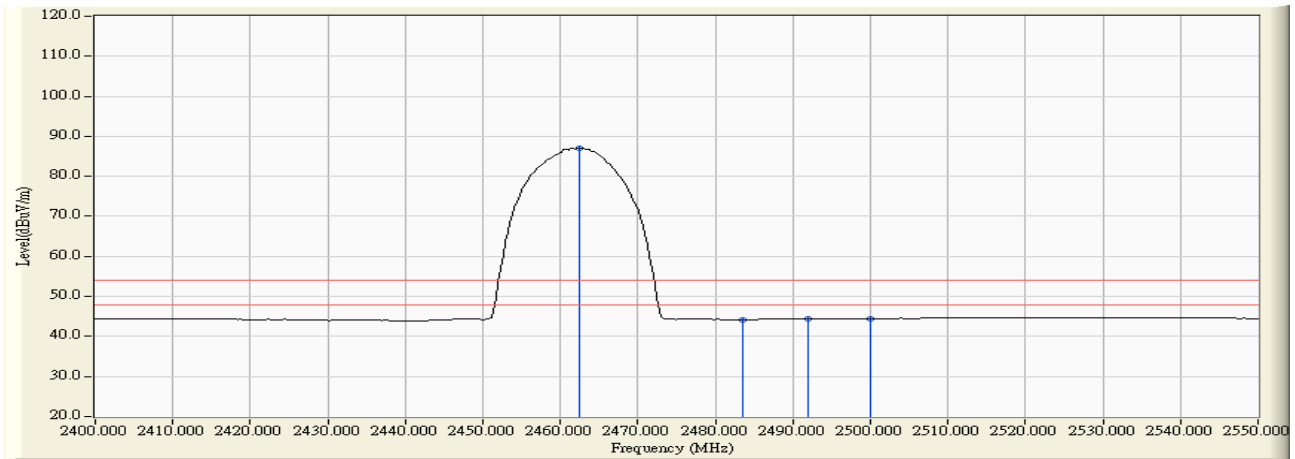


	Frequency (MHz)	Probe Factor (dB/m)	Cable Loss (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)	Detector Type
1	2495.591	23.121	4.573	29.642	57.371	-16.599	74.000	54.000	PEAK

Note:

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

Site : Site 1	Time : 2007/06/12 - 17:12
Limit : FCC_SpartC_15.209_03M_AV	Margin : 6
EUT : Wireless Router	Probe : FCC_RF_1G-18G(2005-3) - HORIZONTAL
Power : AC 120V/60Hz	Note : CH11-B

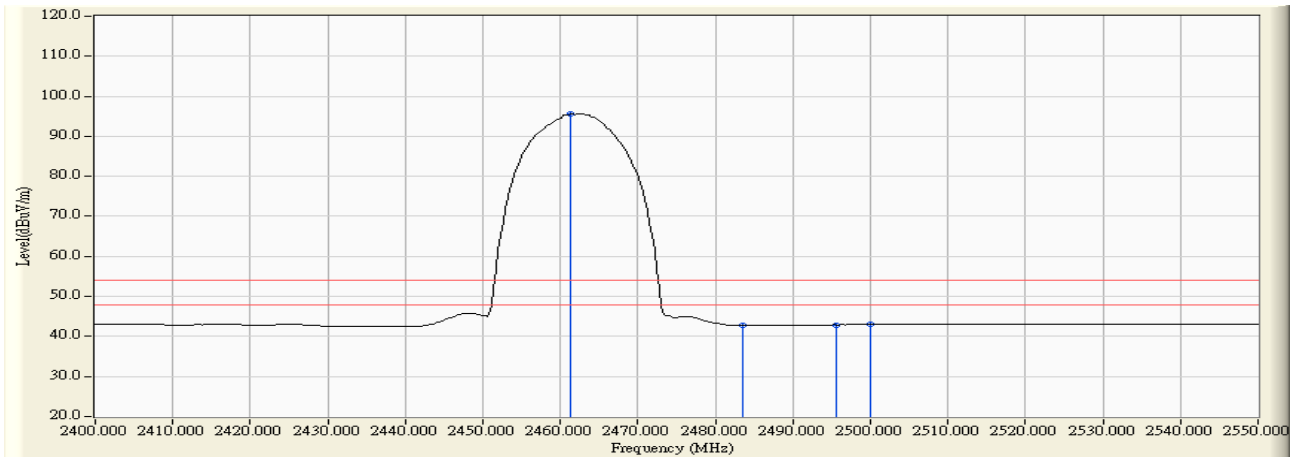


	Frequency (MHz)	Probe Factor (dB/m)	Cable Loss (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)	Detector Type
1	2491.984	24.741	4.578	15.044	44.362	-9.608	74.000	54.000	AVERAGE

Note:

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

Site : Site 1	Time : 2007/06/12 - 17:02
Limit : FCC_SpartC_15.209_03M_AV	Margin : 6
EUT : Wireless Router	Probe : FCC_RF_1G-18G(2005-3) - VERTICAL
Power : AC 120V/60Hz	Note : CH11-B

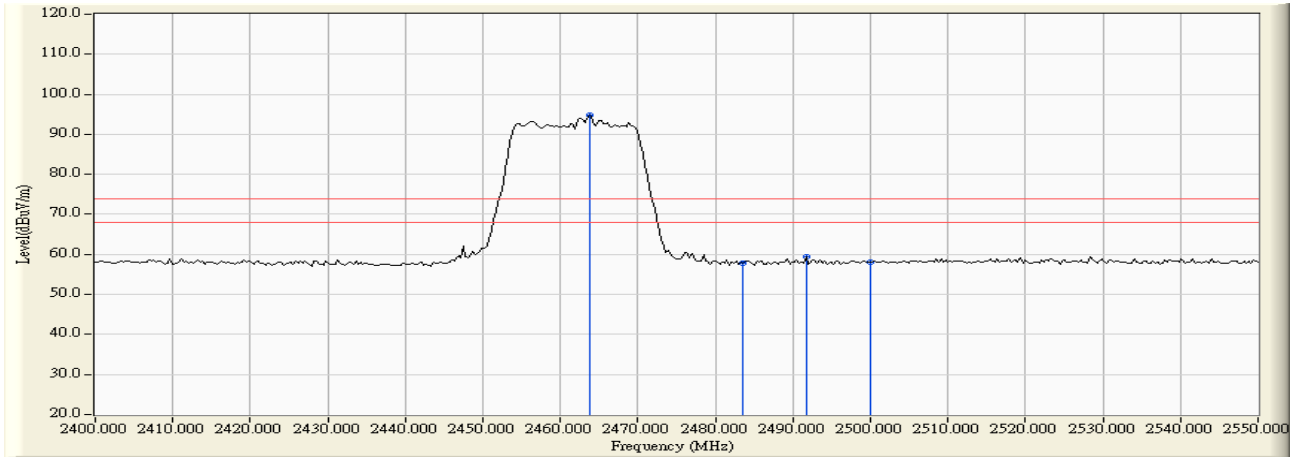


	Frequency (MHz)	Probe Factor (dB/m)	Cable Loss (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)	Detector Type
1	2495.591	23.149	4.580	15.160	42.889	-11.081	74.000	54.000	AVERAGE

Note:

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

Site : Site 1	Time : 2007/06/12 - 17:20
Limit : FCC_SpartC_15.209_03M_PK	Margin : 6
EUT : Wireless Router	Probe : FCC_RF_1G-18G(2005-3) - HORIZONTAL
Power : AC 120V/60Hz	Note : CH11-G

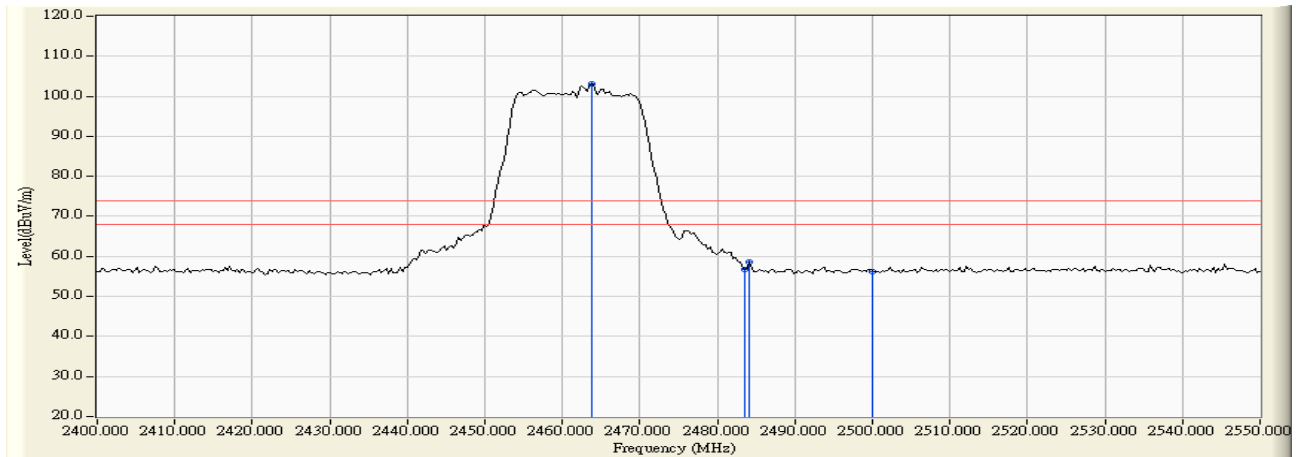


	Frequency (MHz)	Probe Factor (dB/m)	Cable Loss (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)	Detector Type
1	2491.683	24.740	4.577	29.988	59.305	-14.665	74.000	54.000	PEAK

Note:

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

Site : Site 1	Time : 2007/06/12 - 17:35
Limit : FCC_SpartC_15.209_03M_PK	Margin : 6
EUT : Wireless Router	Probe : FCC_RF_1G-18G(2005-3) - VERTICAL
Power : AC 120V/60Hz	Note : CH11-G

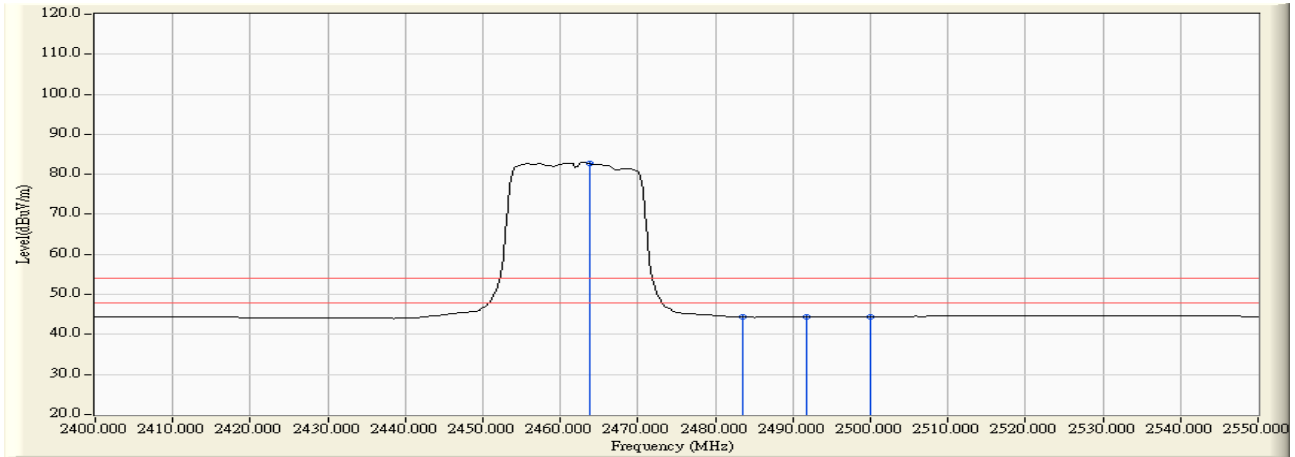


	Frequency (MHz)	Probe Factor (dB/m)	Cable Loss (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)	Detector Type
1	2484.168	23.122	4.573	30.872	58.567	-15.403	74.000	54.000	PEAK

Note:

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

Site : Site 1	Time : 2007/06/12 - 17:23
Limit : FCC_SpartC_15.209_03M_AV	Margin : 6
EUT : Wireless Router	Probe : FCC_RF_1G-18G(2005-3) - HORIZONTAL
Power : AC 120V/60Hz	Note : CH11-G

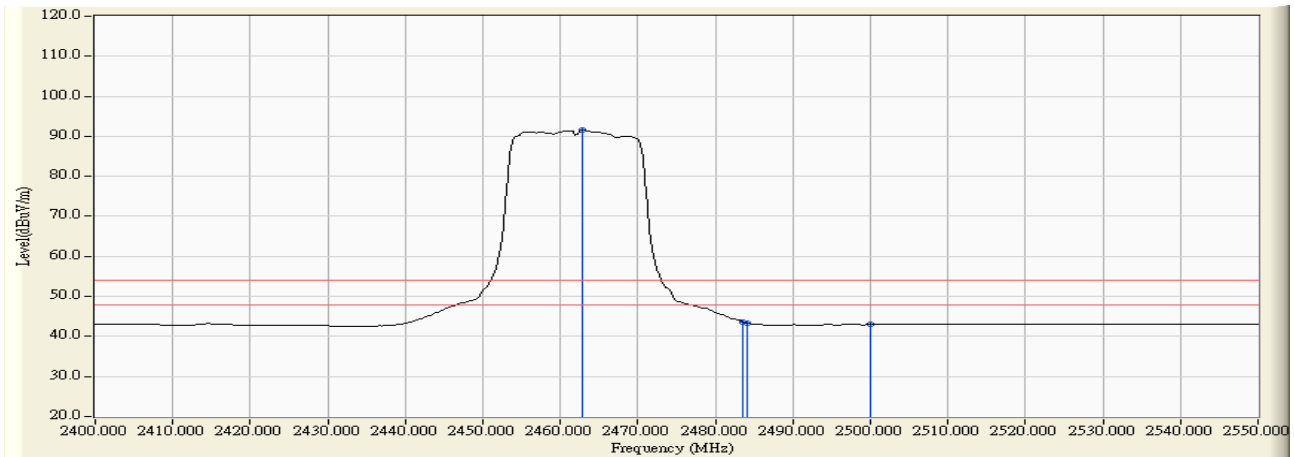


	Frequency (MHz)	Probe Factor (dB/m)	Cable Loss (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)	Detector Type
1	2491.683	24.740	4.577	15.053	44.370	-9.600	74.000	54.000	AVERAGE

Note:

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

Site : Site 1	Time : 2007/06/12 - 17:42
Limit : FCC_SpartC_15.209_03M_AV	Margin : 6
EUT : Wireless Router	Probe : FCC_RF_1G-18G(2005-3) - VERTICAL
Power : AC 120V/60Hz	Note : CH11-G



	Frequency (MHz)	Probe Factor (dB/m)	Cable Loss (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)	Detector Type
1	2484.168	23.122	4.573	15.640	43.335	-10.635	74.000	54.000	AVERAGE

Note:

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

6. Occupied Bandwidth

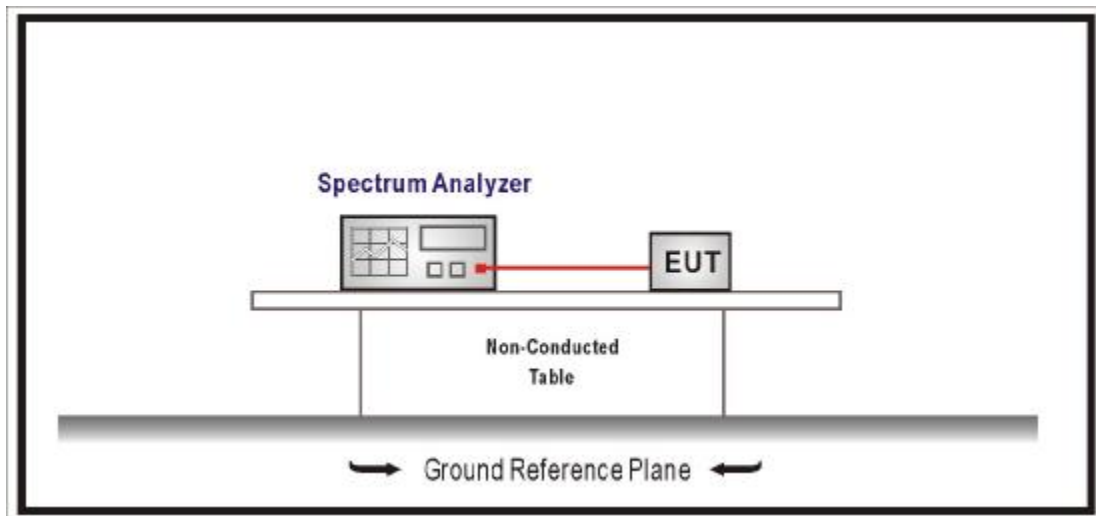
6.1. Test Equipment

The following test equipment are used during the test:

Item	Equipment	Manufacturer	Model No. / Serial No.	Last Cal.
1	Spectrum Analyzer	R & S	FSP / 100561	Mar., 2007
2	No.1 OATS			Sep., 2006

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

6.2. Test Setup



6.3. Limits

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

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

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

6.4. Test Specification

According to FCC Part 15 Subpart C Paragraph 15.247: 2006

6.5. Uncertainty

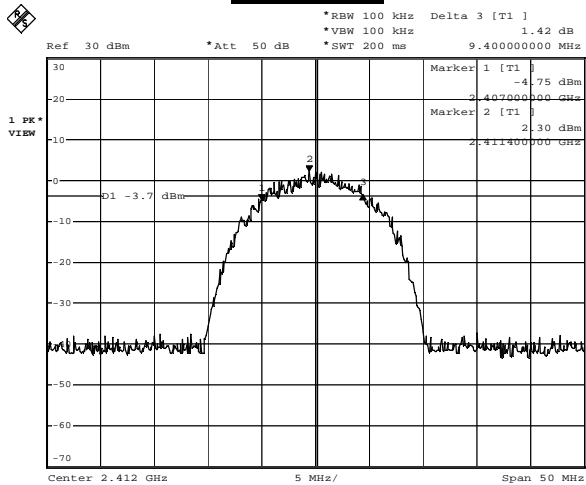
The measurement uncertainty is defined as $\pm 50\text{kHz}$

6.6. Test Result

Product	Wireless Router		
Test Item	Occupied Bandwidth		
Test Mode	Mode 1: Transmit		
Date of Test	2007/05/16	Test Site	No.1 OATS

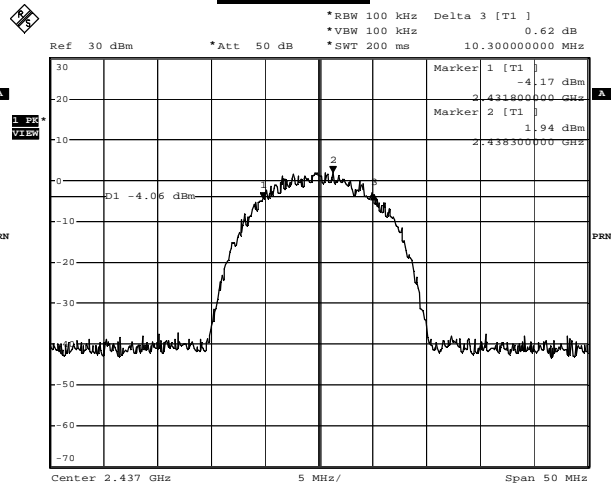
IEEE 802.11b				
Channel No.	Frequency (MHz)	Measure Value (kHz)	Limit (kHz)	Result
1	2412	9400	≥ 500	Pass
6	2437	10300	≥ 500	Pass
11	2462	9800	≥ 500	Pass

Channel 1



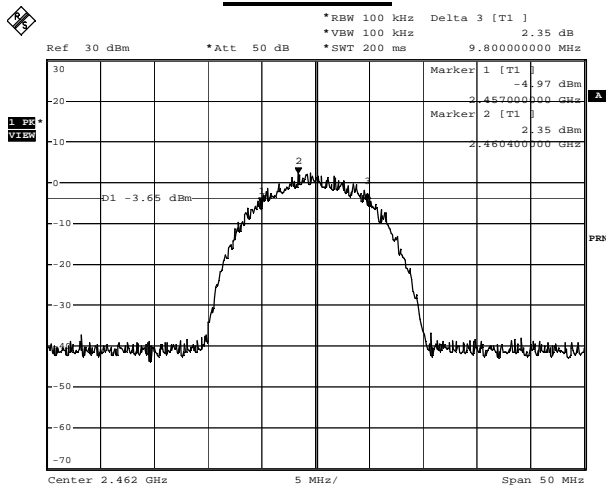
Date: 16.MAY.2007 08:31:03

Channel 6



Date: 16.MAY.2007 08:25:26

Channel 11

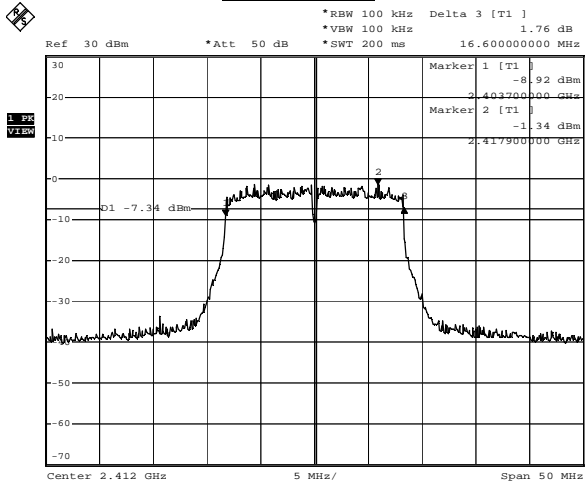


Date: 16.MAY.2007 08:21:09

Product	Wireless Router		
Test Item	Occupied Bandwidth		
Test Mode	Mode 1: Transmit		
Date of Test	2007/05/16	Test Site	No.1 OATS

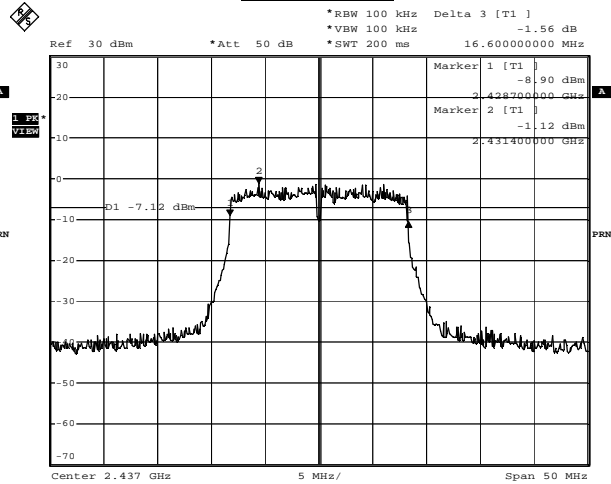
IEEE 802.11g				
Channel No.	Frequency (MHz)	Measure Value (kHz)	Limit (kHz)	Result
1	2412	16600	≥ 500	Pass
6	2437	16600	≥ 500	Pass
11	2462	16536	≥ 500	Pass

Channel 1



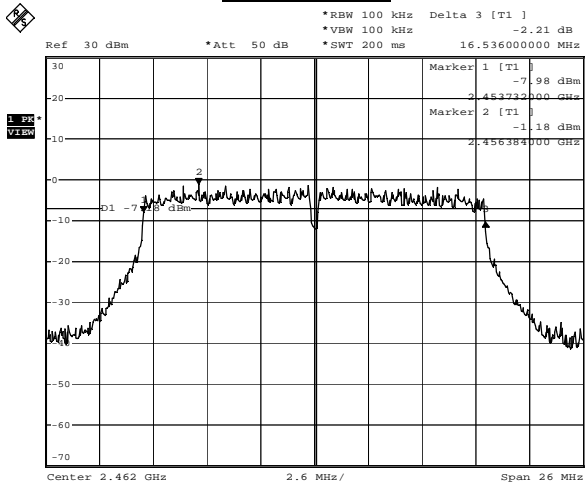
Date: 16.MAY.2007 08:40:37

Channel 6



Date: 16.MAY.2007 08:43:26

Channel 11



Date: 16.MAY.2007 09:02:44

7. Power Density

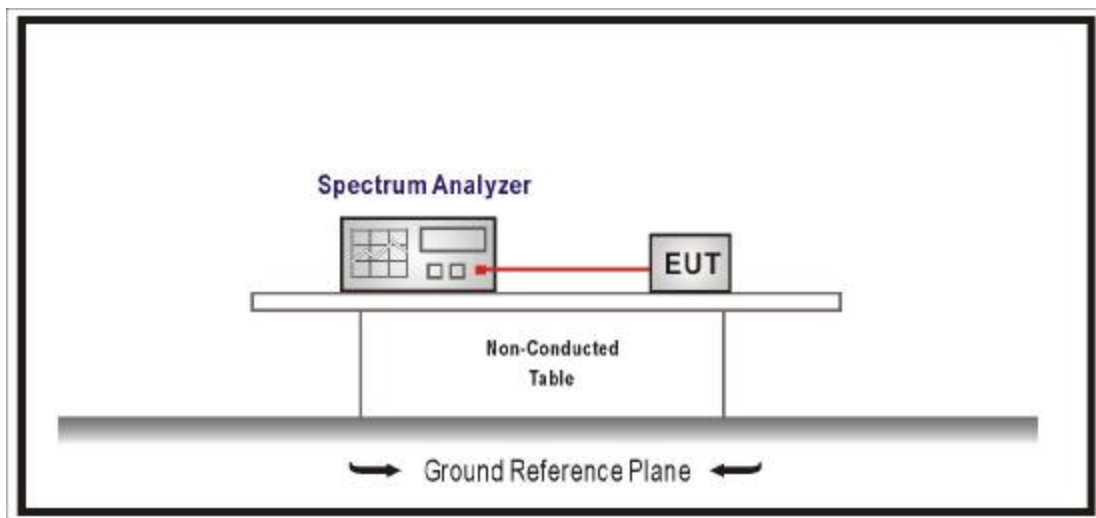
7.1. Test Equipment

The following test equipment are used during the test:

Item	Equipment	Manufacturer	Model No. / Serial No.	Last Cal.
1	Spectrum Analyzer	R & S	FSP / 100561	Mar., 2007
2	No.1 OATS			Sep., 2006

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

7.2. Test Setup



7.3. Limits

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

7.4. Test Specification

According to FCC Part 15 Subpart C Paragraph 15.247: 2006

7.5. Uncertainty

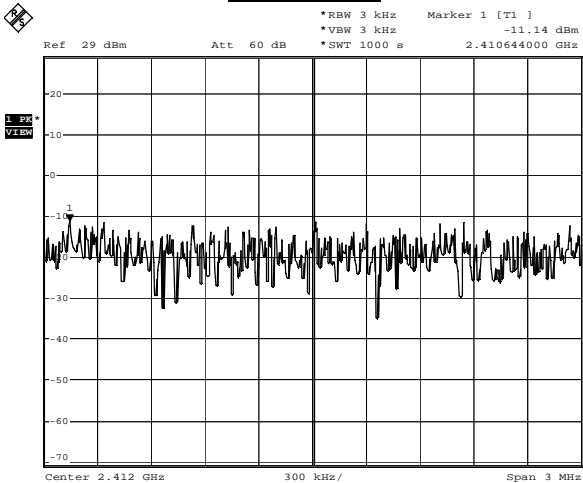
The measurement uncertainty is defined as $\pm 1.27\text{dB}$.

7.6. Test Result

Product	Wireless Router		
Test Item	Power Density		
Test Mode	Mode 1: Transmit		
Date of Test	2007/05/16	Test Site	No.1 OATS

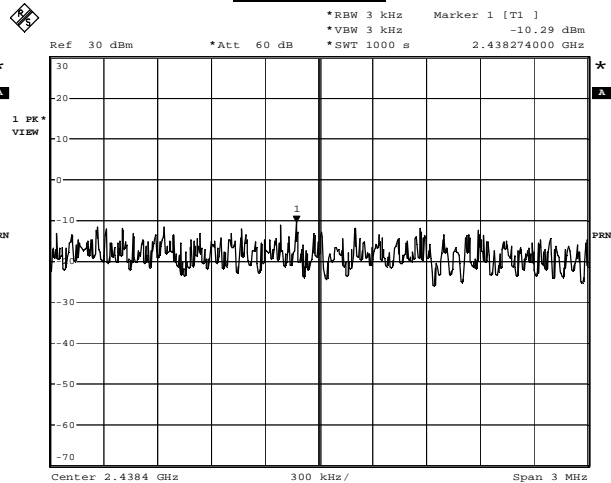
IEEE 802.11b				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
1	2412	-11.14	<8	Pass
6	2437	-10.29	<8	Pass
11	2462	-9.41	<8	Pass

Channel 1



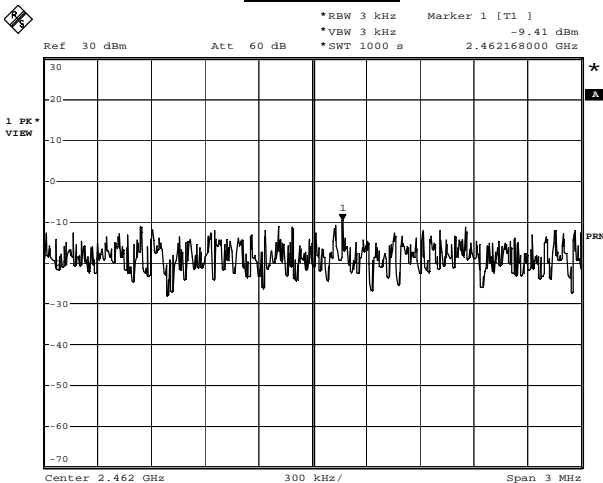
Date: 16.MAY.2007 09:37:02

Channel 6



Date: 15.JUN.2007 17:49:41

Channel 11

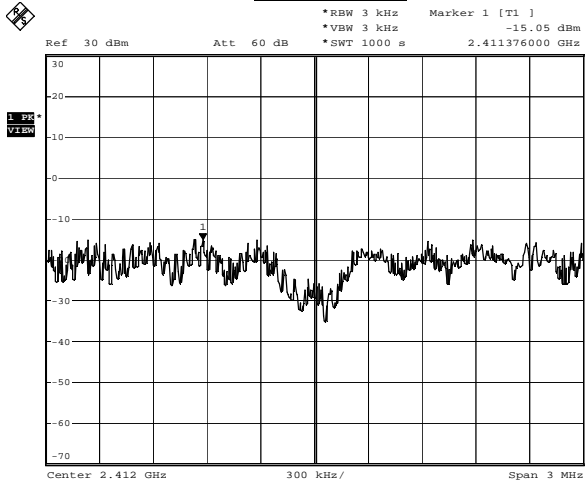


Date: 16.MAY.2007 11:57:01

Product	Wireless Router		
Test Item	Power Density		
Test Mode	Mode 1: Transmit		
Date of Test	2007/05/16	Test Site	No.1 OATS

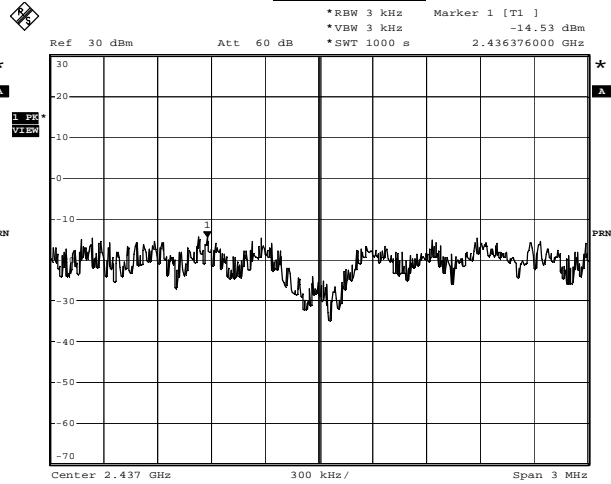
IEEE 802.11g				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
1	2412	-15.05	<8	Pass
6	2437	-14.53	<8	Pass
11	2462	-14.92	<8	Pass

Channel 1



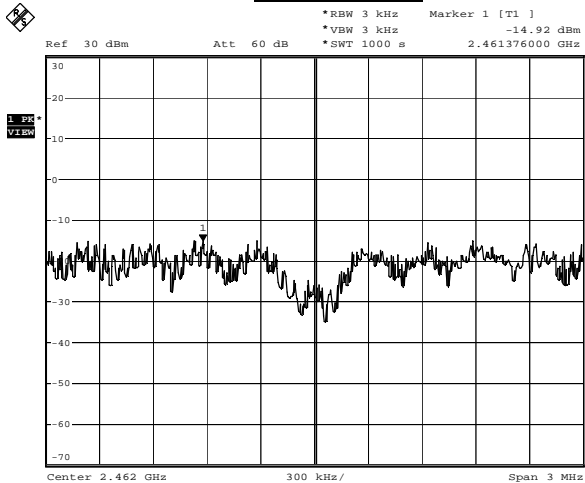
Date: 16.MAY.2007 12:00:50

Channel 6



Date: 16.MAY.2007 12:08:03

Channel 11



Date: 16.MAY.2007 12:11:51