



Test Report

Product Name : IEEE 802.11g Wireless Router
Model No. : DIR-300
FCC ID. : KA2DIR300A1

Applicant : D-Link Corporation
Address : No.289, Sinhu 3rd Rd, Neihu District,
Taipei 114, Taiwan, R.O.C.

Date of Receipt : 2006/12/14
Issued Date : 2007/01/29
Report No. : 071H017-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 : 2007/01/29

Report No. : 071H017-RFUSP05V01



Product Name : IEEE 802.11g Wireless Router
 Applicant : D-Link Corporation
 Address : No.289, Sinhu 3rd Rd, Neihu District, Taipei 114, Taiwan,
 R.O.C.
 Manufacturer : Alpha Networks Inc.
 Model No. : DIR-300
 FCC ID. : KA2DIR300A1
 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: 2005
 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.

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 (Carol Tsai)

Tested By : Sheena Huang
 (Sheena Huang)

Approved By : Roy Wang
 (Roy Wang)

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1. General Information

1.1. EUT Description

Product Name	IEEE 802.11g Wireless Router
Trade Name	D-Link
Model No.	DIR-300
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	
LAN Cable	Non-Shielded, 1.8m
Power Adapter	D-Link, AF0605-B I/P: 100~120V / 0.15A / 50~60 Hz O/P: ±5V / 1.2A Cable In: Non-Shielded, 1.83m

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 IEEE 802.11g 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. 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 071H017-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:

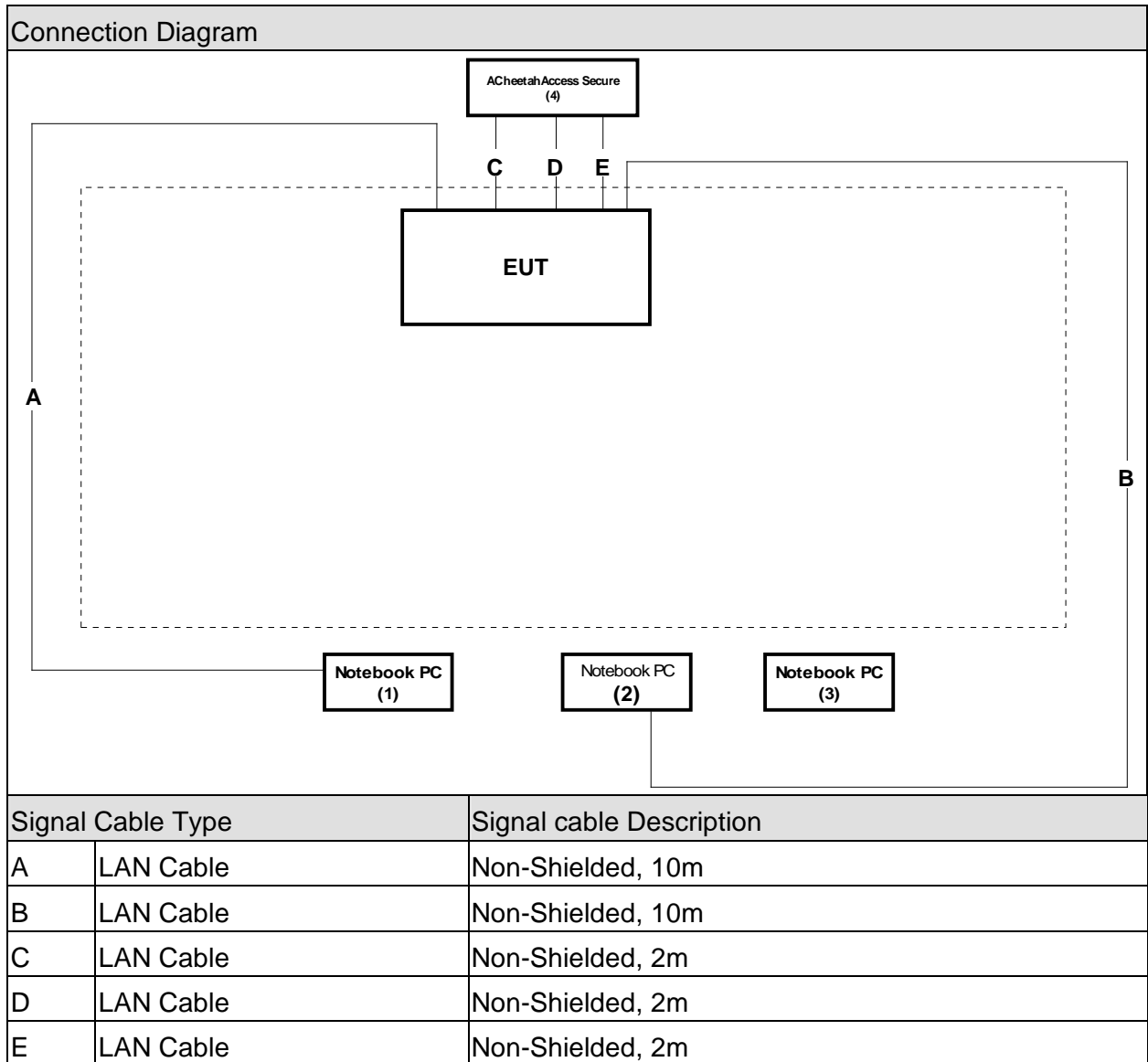
Pre-Test Mode	
EMI	Mode 1: Transmit
Final Test Mode	
TX	Mode 1: Transmit

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 Notebook PC	DELL	LATITUDE D400	N/A	DoC	Non-Shielded, 1.7m, one ferrite core bonded
2 Notebook PC	DELL	LATITUDE D400	N/A	DoC	Non-Shielded, 1.7m, one ferrite core bonded
3 Notebook PC	DELL	Latitude 610	N/A	DoC	Non-Shielded, 1.7m, one ferrite core bonded
4 CheetahAccess Secure	Accton	AC-IG1104	N/A	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, 2006



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

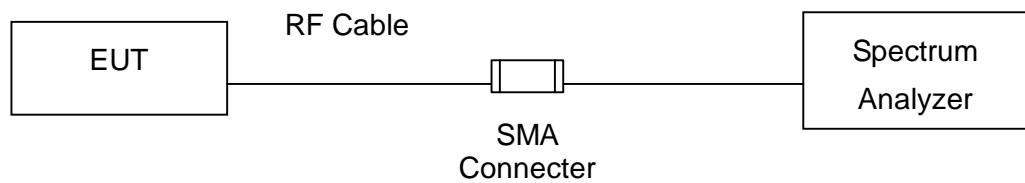
2.1. Test Equipment

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., 2005
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 15.247:2005

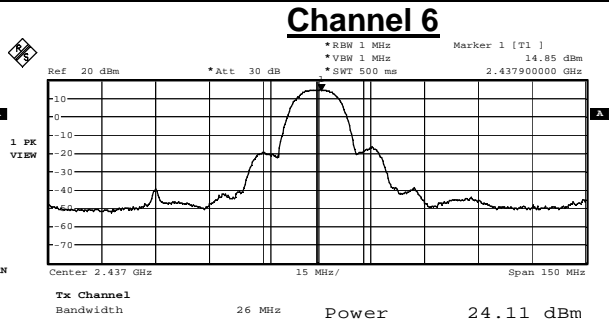
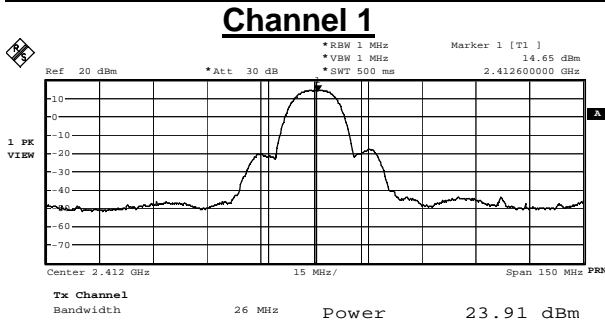
2.5. Uncertainty

The measurement uncertainty is defined as ± 1.27 dB.

2.6. Test Result

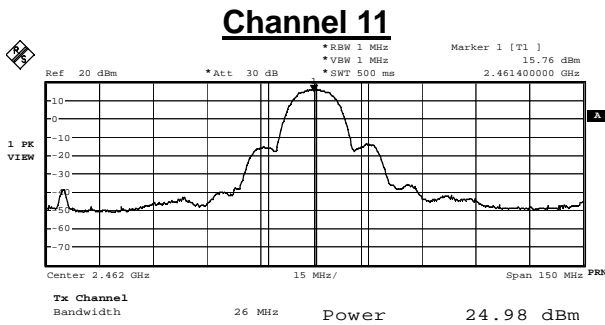
Product	IEEE 802.11g Wireless Router		
Test Item	Peak Power Output		
Test Mode	Mode 1: Transmit		
Date of Test	2006/12/14	Test Site	No.1 OATS

IEEE 802.11b				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
1	2412	23.91	1Watt= 30 dBm	Pass
6	2437	24.11	1Watt= 30 dBm	Pass
11	2462	24.98	1Watt= 30 dBm	Pass



Date: 14.DEC.2006 13:45:19

Date: 14.DEC.2006 13:32:04

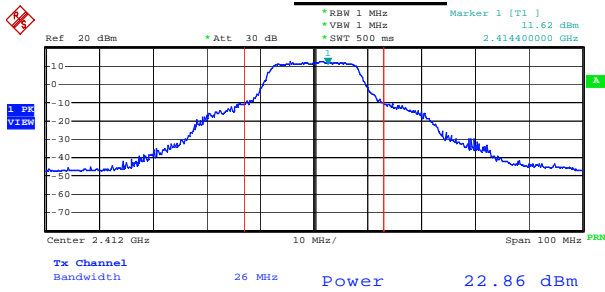


Date: 14.DEC.2006 13:53:43

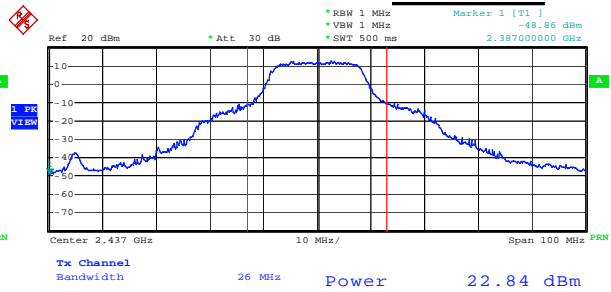
Product	IEEE 802.11g Wireless Router		
Test Item	Peak Power Output		
Test Mode	Mode 1: Transmit		
Date of Test	2007/01/16	Test Site	No.1 OATS

IEEE 802.11g				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
1	2412	22.86	1Watt= 30 dBm	Pass
6	2437	22.84	1Watt= 30 dBm	Pass
11	2462	23.19	1Watt= 30 dBm	Pass

Channel 1



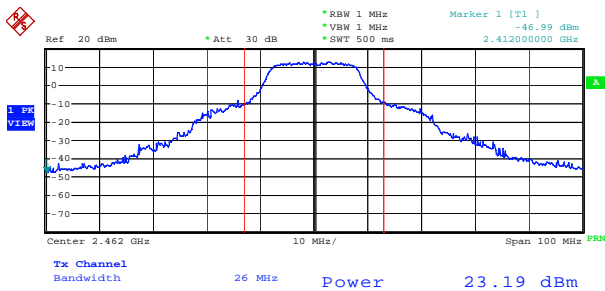
Channel 6



Date: 16.JAN.2007 13:02:43

Date: 16.JAN.2007 13:07:06

Channel 11



Date: 16.JAN.2007 13:09:58

3. Conducted Emission

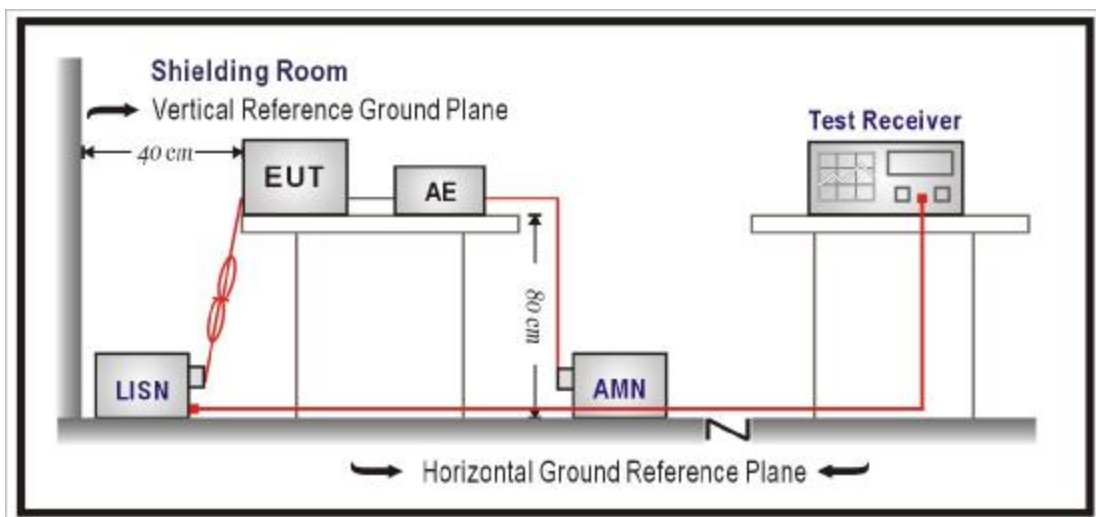
3.1. Test Equipment

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., 2006	Peripheral
3	LISN	R & S	ESH3-Z5/825562/002	Feb., 2006	EUT
4	Pulse Limiter	R & S	ESH3-Z2/357.8810.52	Feb., 2006	
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

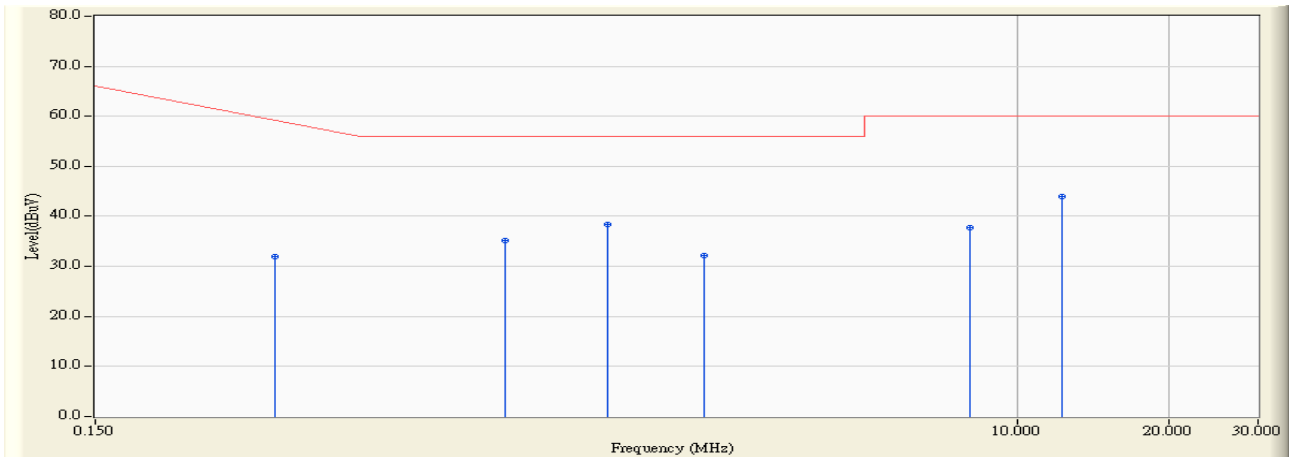
According to FCC Part 15 Subpart C Paragraph 15.207: 2005

3.6. Uncertainty

The measurement uncertainty is defined as ± 2.26 dB.

3.7. Test Result

Site : Quietek Shielding Room 2	Time : 2007/01/03 - 16:49
Limit : CISPR_B_00M_QP	Margin : 0
EUT : IEEE 802.11g Wireless Router	Probe : QTK-LISN-SR2 - Line1
Power : AC 120V/60Hz	Note : TX-B

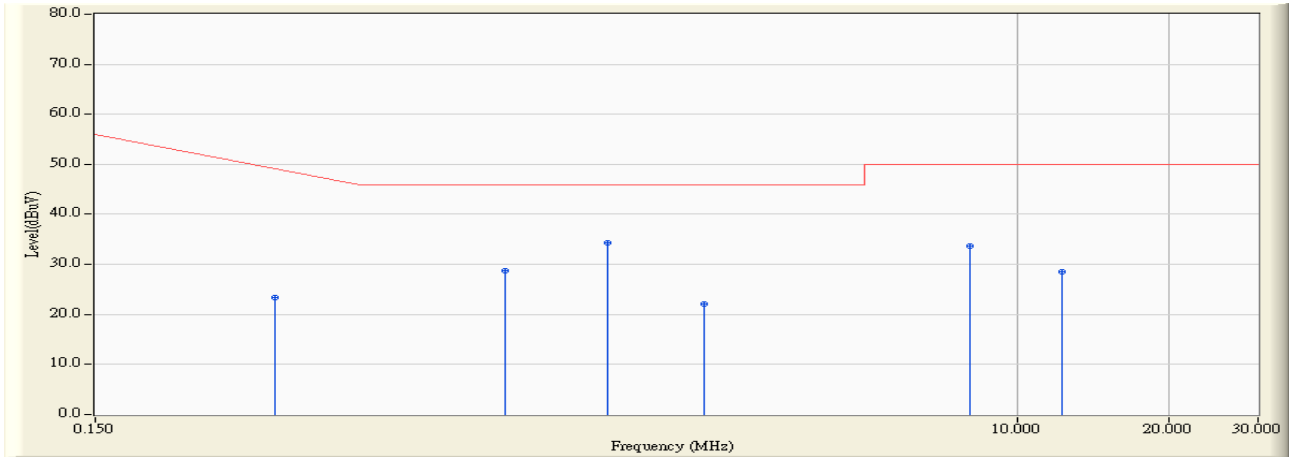


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1	0.341	0.200	31.660	31.860	-28.683	60.543	QUASPEAK
2	0.974	0.210	34.870	35.080	-20.920	56.000	QUASPEAK
3	1.548	0.220	38.210	38.430	-17.570	56.000	QUASPEAK
4	2.404	0.250	31.980	32.230	-23.770	56.000	QUASPEAK
5	8.064	0.610	37.060	37.670	-22.330	60.000	QUASPEAK
6	* 12.271	0.850	43.100	43.950	-16.050	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 : 2007/01/03 - 16:49
Limit : CISPR_B_00M_AV	Margin : 0
EUT : IEEE 802.11g Wireless Router	Probe : QTK-LISN-SR2 - Line1
Power : AC 120V/60Hz	Note : TX-B

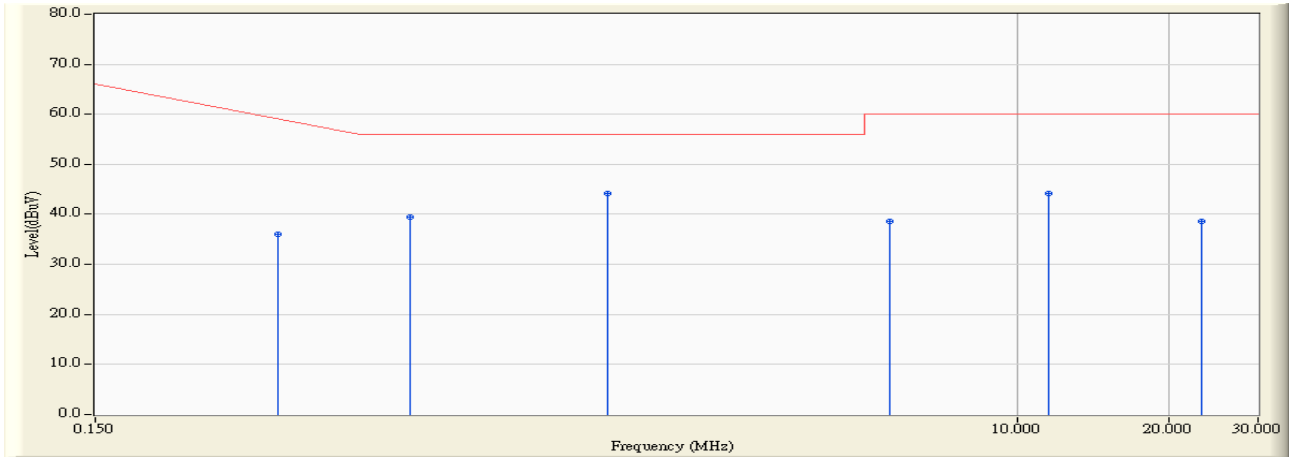


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1	0.341	0.200	23.230	23.430	-27.113	50.543	AVERAGE
2	0.974	0.210	28.550	28.760	-17.240	46.000	AVERAGE
3	* 1.548	0.220	34.170	34.390	-11.610	46.000	AVERAGE
4	2.404	0.250	21.820	22.070	-23.930	46.000	AVERAGE
5	8.064	0.610	32.960	33.570	-16.430	50.000	AVERAGE
6	12.271	0.850	27.660	28.510	-21.490	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 : 2007/01/03 - 16:53
Limit : CISPR_B_00M_QP	Margin : 0
EUT : IEEE 802.11g Wireless Router	Probe : QTK-LISN-SR2 - Line2
Power : AC 120V/60Hz	Note : TX-B

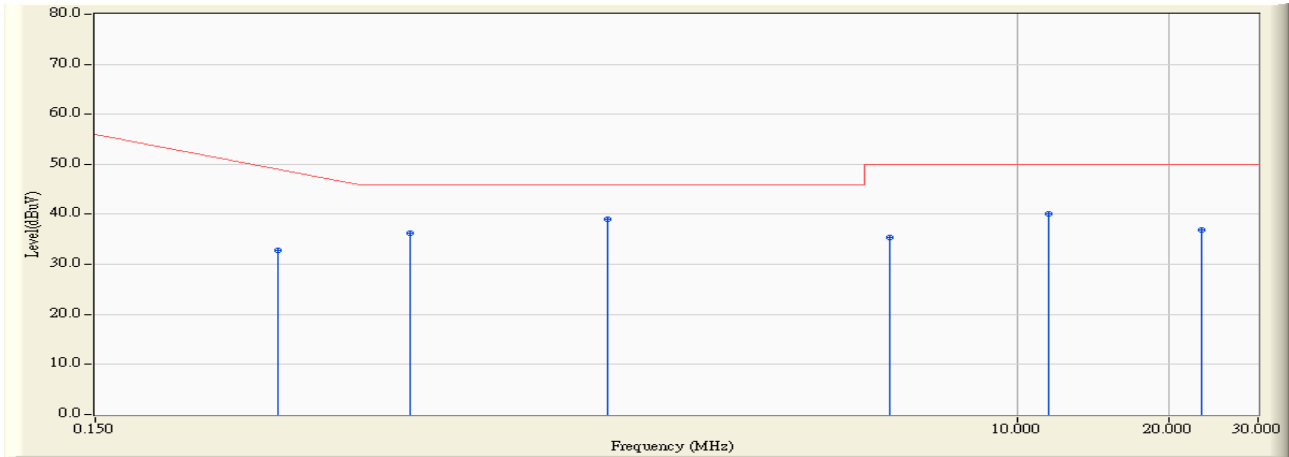


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1	0.345	0.200	35.790	35.990	-24.439	60.429	QUASPEAK
2	0.630	0.210	39.200	39.410	-16.590	56.000	QUASPEAK
3	* 1.545	0.220	43.940	44.160	-11.840	56.000	QUASPEAK
4	5.611	0.330	38.170	38.500	-21.500	60.000	QUASPEAK
5	11.567	0.580	43.550	44.130	-15.870	60.000	QUASPEAK
6	23.127	0.870	37.640	38.510	-21.490	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 : 2007/01/03 - 16:53
Limit : CISPR_B_00M_AV	Margin : 0
EUT : IEEE 802.11g Wireless Router	Probe : QTK-LISN-SR2 - Line2
Power : AC 120V/60Hz	Note : TX-B

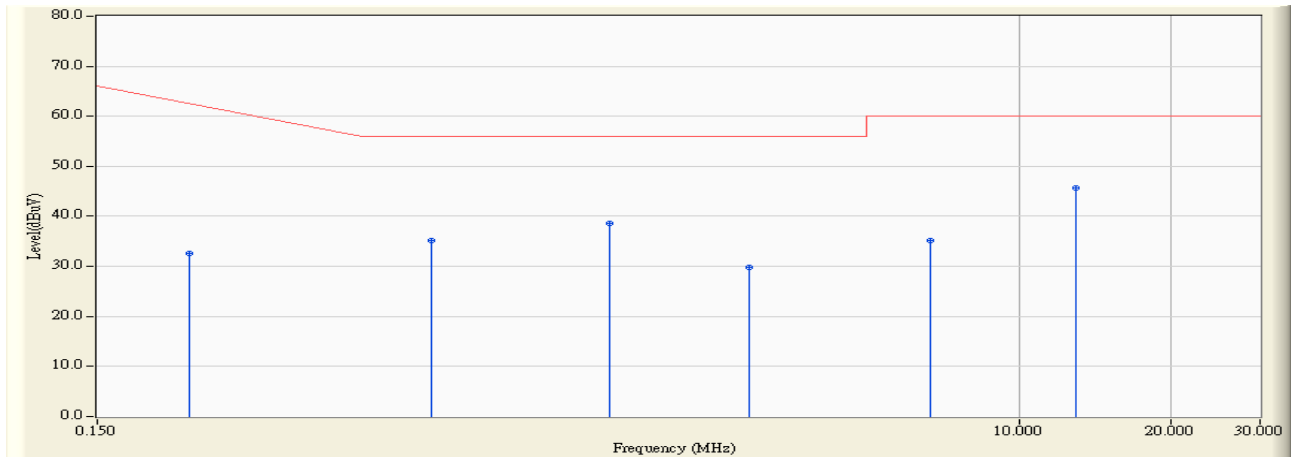


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1	0.345	0.200	32.710	32.910	-17.519	50.429	AVERAGE
2	0.630	0.210	36.070	36.280	-9.720	46.000	AVERAGE
3	* 1.545	0.220	38.860	39.080	-6.920	46.000	AVERAGE
4	5.611	0.330	35.020	35.350	-14.650	50.000	AVERAGE
5	11.567	0.580	39.550	40.130	-9.870	50.000	AVERAGE
6	23.127	0.870	35.970	36.840	-13.160	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 : 2007/01/03 - 16:59
Limit : CISPR_B_00M_QP	Margin : 0
EUT : IEEE 802.11g Wireless Router	Probe : QTK-LISN-SR2 - Line1
Power : AC 120V/60Hz	Note : TX-G

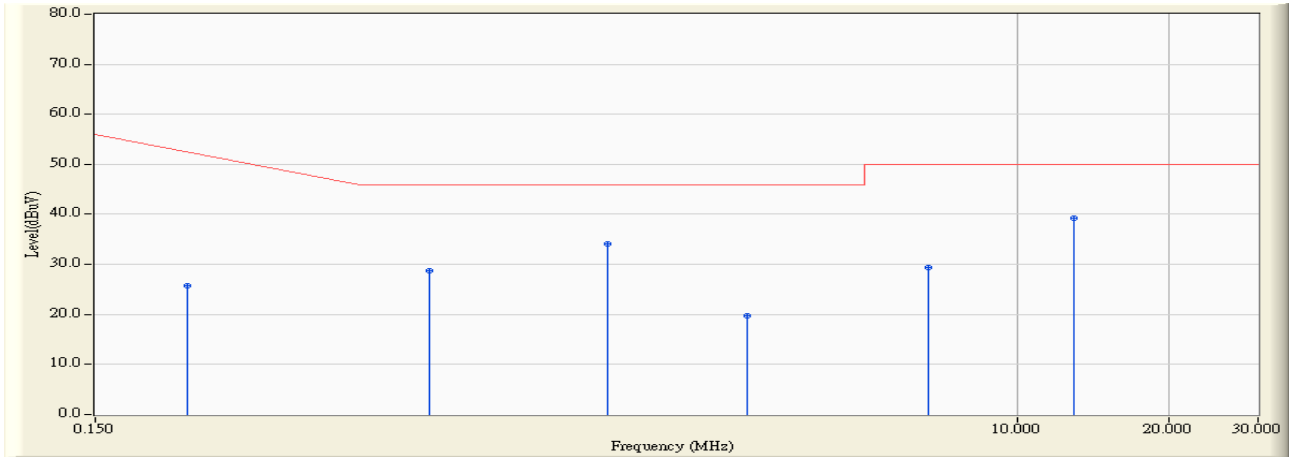


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1		0.228	0.200	32.320	32.520	-31.251	63.771	QUASPEAK
2		0.689	0.210	35.040	35.250	-20.750	56.000	QUASPEAK
3		1.545	0.220	38.290	38.510	-17.490	56.000	QUASPEAK
4		2.923	0.290	29.560	29.850	-26.150	56.000	QUASPEAK
5		6.658	0.520	34.610	35.130	-24.870	60.000	QUASPEAK
6	*	12.965	0.890	44.790	45.680	-14.320	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 : 2007/01/03 - 16:59
Limit : CISPR_B_00M_AV	Margin : 0
EUT : IEEE 802.11g Wireless Router	Probe : QTK-LISN-SR2 - Line1
Power : AC 120V/60Hz	Note : TX-G

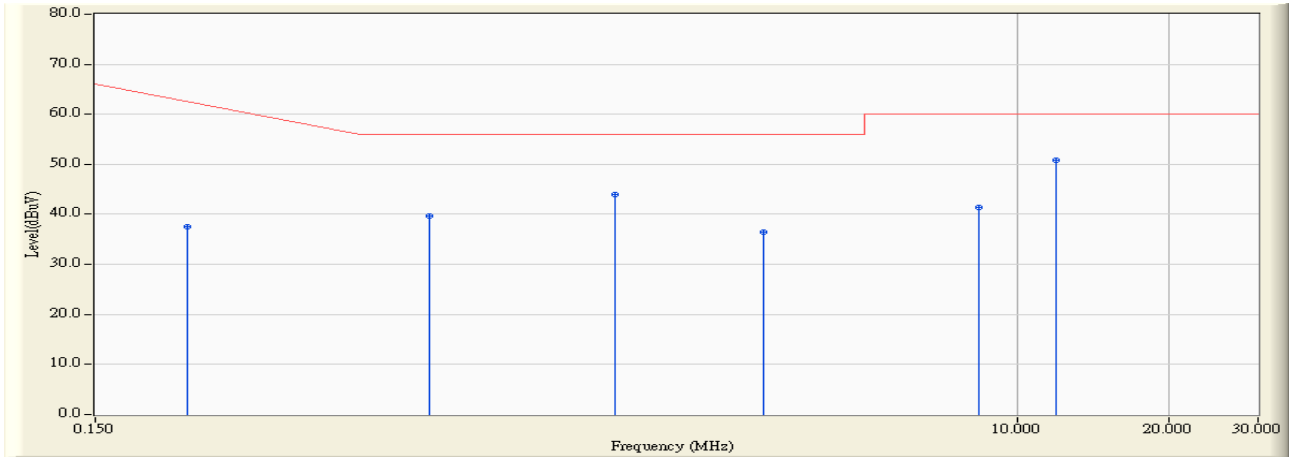


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1		0.228	0.200	25.630	25.830	-27.941	53.771	AVERAGE
2		0.689	0.210	28.510	28.720	-17.280	46.000	AVERAGE
3		1.545	0.220	33.810	34.030	-11.970	46.000	AVERAGE
4		2.923	0.290	19.380	19.670	-26.330	46.000	AVERAGE
5		6.658	0.520	28.780	29.300	-20.700	50.000	AVERAGE
6	*	12.965	0.890	38.420	39.310	-10.690	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 : 2007/01/03 - 17:03
Limit : CISPR_B_00M_QP	Margin : 0
EUT : IEEE 802.11g Wireless Router	Probe : QTK-LISN-SR2 - Line2
Power : AC 120V/60Hz	Note : TX-G

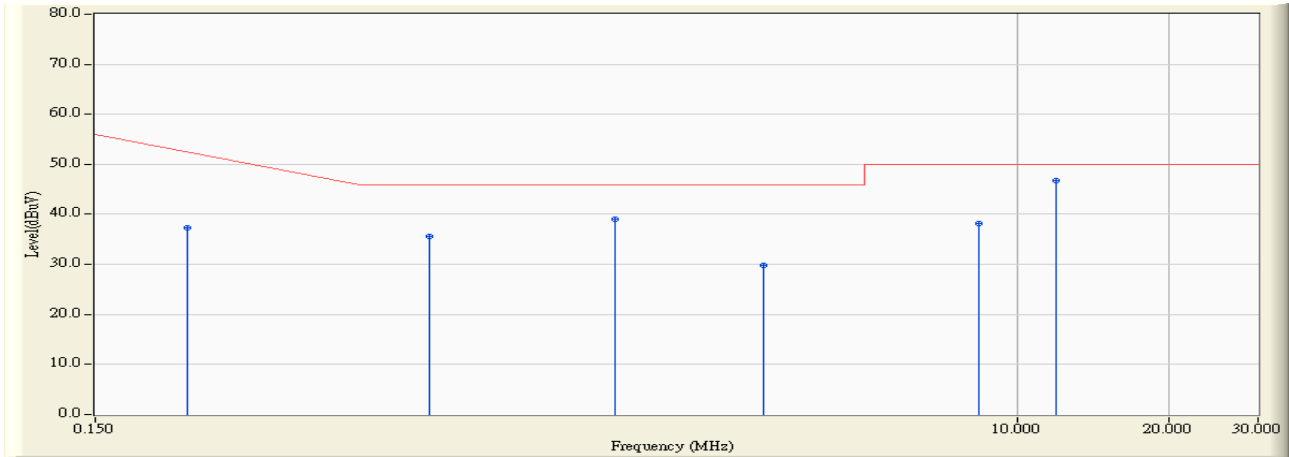


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1		0.228	0.200	37.230	37.430	-26.341	63.771	QUASPEAK
2		0.689	0.210	39.460	39.670	-16.330	56.000	QUASPEAK
3		1.603	0.220	43.840	44.060	-11.940	56.000	QUASPEAK
4		3.150	0.240	36.200	36.440	-19.560	56.000	QUASPEAK
5		8.412	0.460	40.890	41.350	-18.650	60.000	QUASPEAK
6	*	11.916	0.600	50.210	50.810	-9.190	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 : 2007/01/03 - 17:03
Limit : CISPR_B_00M_AV	Margin : 0
EUT : IEEE 802.11g Wireless Router	Probe : QTK-LISN-SR2 - Line2
Power : AC 120V/60Hz	Note : TX-G



		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1		0.228	0.200	37.050	37.250	-16.521	53.771	AVERAGE
2		0.689	0.210	35.440	35.650	-10.350	46.000	AVERAGE
3		1.603	0.220	38.860	39.080	-6.920	46.000	AVERAGE
4		3.150	0.240	29.570	29.810	-16.190	46.000	AVERAGE
5		8.412	0.460	37.610	38.070	-11.930	50.000	AVERAGE
6	*	11.916	0.600	46.170	46.770	-3.230	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

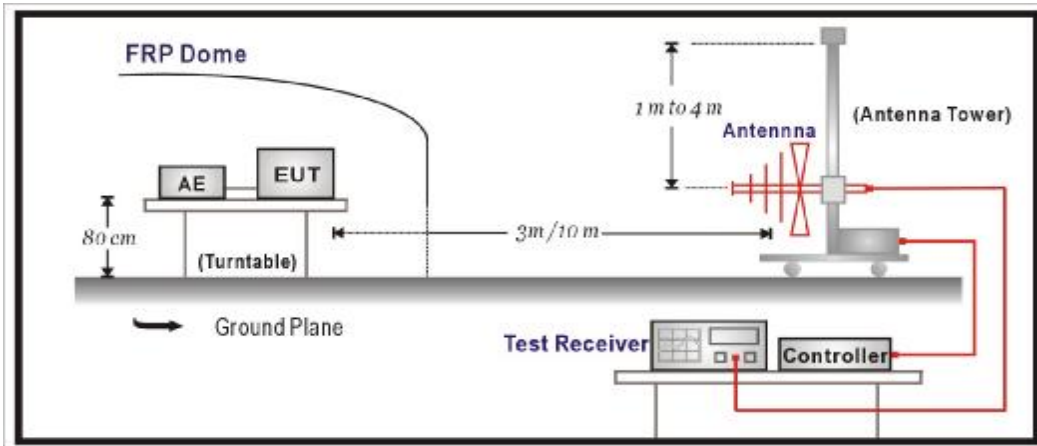
The following test equipment are used during the test:

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., 2006
7	X	Horn Antenna	Schwarzbeck	BBHA 9120D / BBHA9120D312	Jul., 2006
8		No.1 OATS			Sep., 2006

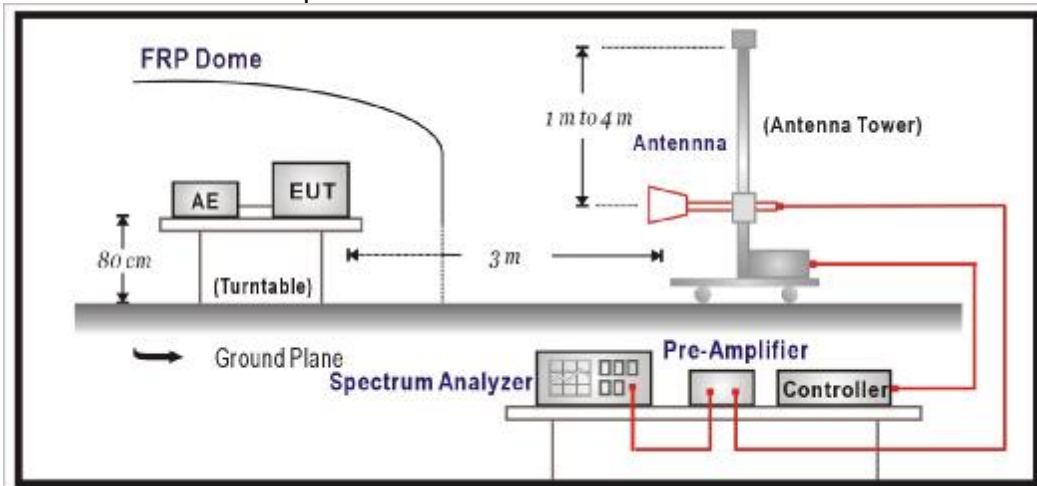
Note: 1. All equipments that need to calibrate are with calibration period of 1 year.
 2. "N/A" Ca1.Date is used to Pre-test, not final test.

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

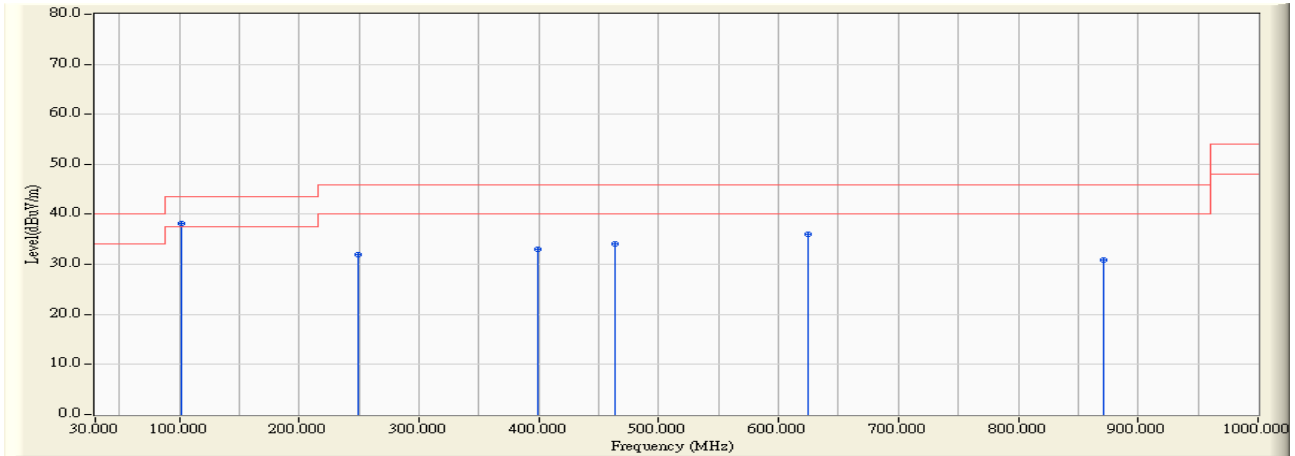
According to FCC Part 15 Subpart C Paragraph 15.247: 2005

4.6. Uncertainty

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

4.7. Test Result

Site : Site 1	Time : 2007/01/04 - 09:48
Limit : FCC_CLASS_B_03M_QP	Margin : 6
EUT : IEEE 802.11g Wireless Router	Probe : FCC_RF_30-1G(200605) - HORIZONTAL
Power : AC 120V/60Hz	Note : TX-B

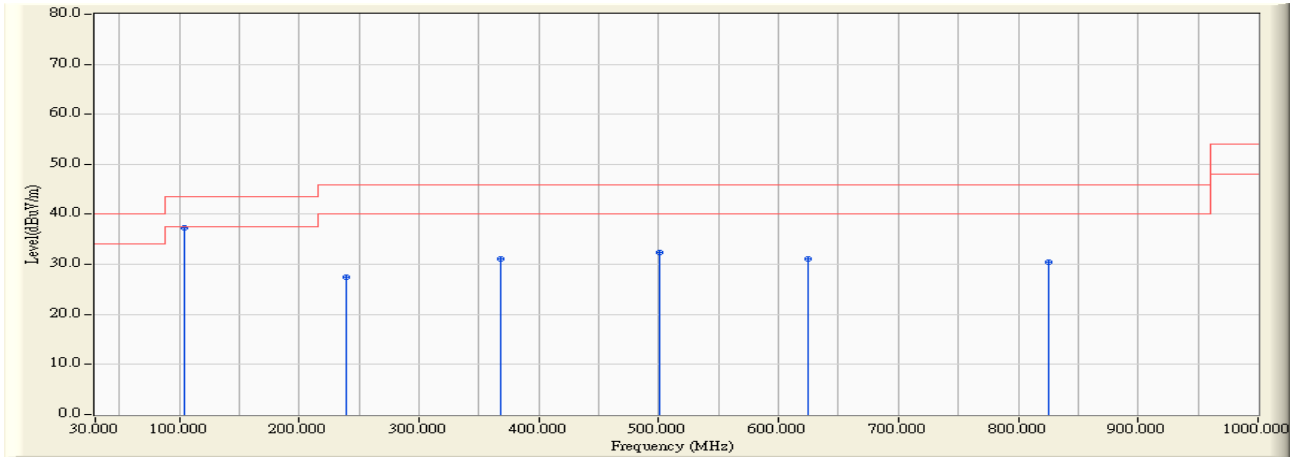


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type	Ant Pos (cm)	Table Pos (deg)
1	*	101.924	-7.953	46.083	38.130	-5.370	43.500	QUASIPeAK	0.000	0.000
2		249.659	-8.916	40.966	32.051	-13.949	46.000	QUASIPeAK	0.000	0.000
3		399.339	1.121	31.933	33.054	-12.946	46.000	QUASIPeAK	0.000	0.000
4		463.487	3.239	30.866	34.105	-11.895	46.000	QUASIPeAK	0.000	0.000
5		624.830	1.779	34.196	35.975	-10.025	46.000	QUASIPeAK	0.000	0.000
6		871.703	5.455	25.432	30.888	-15.112	46.000	QUASIPeAK	0.000	0.000

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 : 2007/01/04 - 09:49
Limit : FCC_CLASS_B_03M_QP	Margin : 6
EUT : IEEE 802.11g Wireless Router	Probe : FCC_RF_30-1G(200605) - VERTICAL
Power : AC 120V/60Hz	Note : TX-B

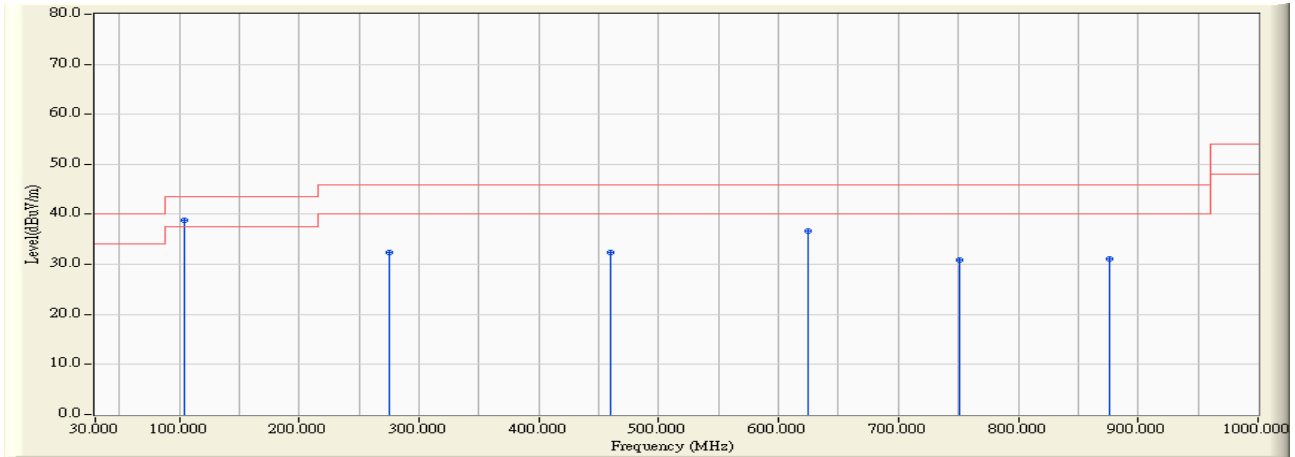


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type	Ant Pos (cm)	Table Pos (deg)
1	*	103.868	-0.600	37.839	37.239	-6.261	43.500	QUASIPeAK	0.000	0.000
2		239.940	-7.623	35.091	27.468	-18.532	46.000	QUASIPeAK	0.000	0.000
3		368.236	-1.338	32.410	31.072	-14.928	46.000	QUASIPeAK	0.000	0.000
4		500.421	-3.103	35.443	32.340	-13.660	46.000	QUASIPeAK	0.000	0.000
5		624.830	0.623	30.470	31.093	-14.907	46.000	QUASIPeAK	0.000	0.000
6		825.050	5.259	25.189	30.448	-15.552	46.000	QUASIPeAK	0.000	0.000

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 : 2007/01/04 - 09:50
Limit : FCC_CLASS_B_03M_QP	Margin : 6
EUT : IEEE 802.11g Wireless Router	Probe : FCC_RF_30-1G(200605) - HORIZONTAL
Power : AC 120V/60Hz	Note : TX-G

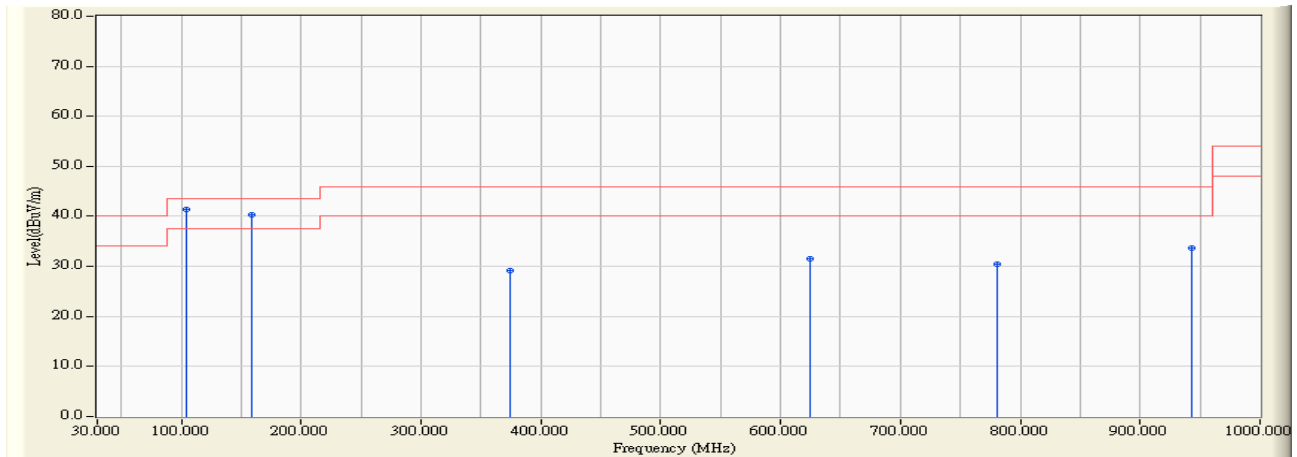


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type	Ant Pos (cm)	Table Pos (deg)
1	*	103.868	-8.157	47.011	38.854	-4.646	43.500	QUASIPeAK	0.000	0.000
2		274.930	-6.655	39.118	32.463	-13.537	46.000	QUASIPeAK	0.000	0.000
3		459.599	0.662	31.772	32.434	-13.566	46.000	QUASIPeAK	0.000	0.000
4		624.830	1.779	34.941	36.720	-9.280	46.000	QUASIPeAK	0.000	0.000
5		751.182	3.516	27.324	30.840	-15.160	46.000	QUASIPeAK	0.000	0.000
6		875.591	5.426	25.636	31.062	-14.938	46.000	QUASIPeAK	0.000	0.000

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 : 2007/01/04 - 09:52
Limit : FCC_CLASS_B_03M_QP	Margin : 6
EUT : IEEE 802.11g Wireless Router	Probe : FCC_RF_30-1G(200605) - VERTICAL
Power : AC 120V/60Hz	Note : TX-G

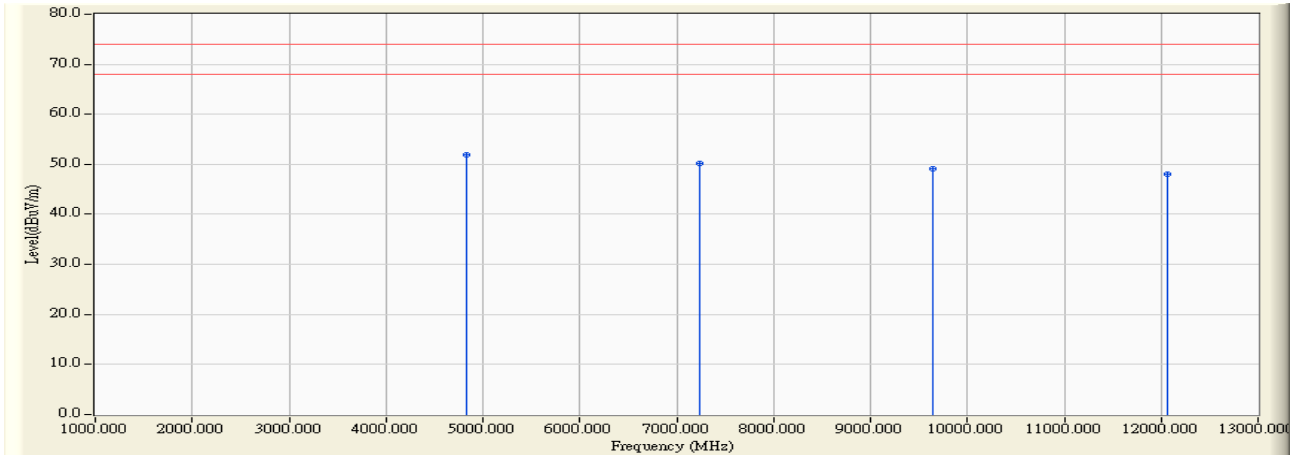


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type	Ant Pos (cm)	Table Pos (deg)
1	*	103.868	-0.600	42.004	41.404	-2.096	43.500	QUASIPeAK	0.000	0.000
2		158.297	-4.988	45.354	40.365	-3.135	43.500	QUASIPeAK	0.000	0.000
3		374.068	-2.485	31.627	29.142	-16.858	46.000	QUASIPeAK	0.000	0.000
4		624.830	0.623	30.899	31.522	-14.478	46.000	QUASIPeAK	0.000	0.000
5		780.341	5.743	24.765	30.508	-15.492	46.000	QUASIPeAK	0.000	0.000
6		943.627	8.491	25.168	33.660	-12.340	46.000	QUASIPeAK	0.000	0.000

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 : 2006/12/20 - 20:23
Limit : FCC_SpartC_15.247_H_03M_PK	Margin : 6
EUT :IEEE 802.11g Wireless Router	Probe : FCC_RF_1G-18G(2005-3) - HORIZONTAL
Power : AC 120V/60Hz	Note : TX-CH1-B

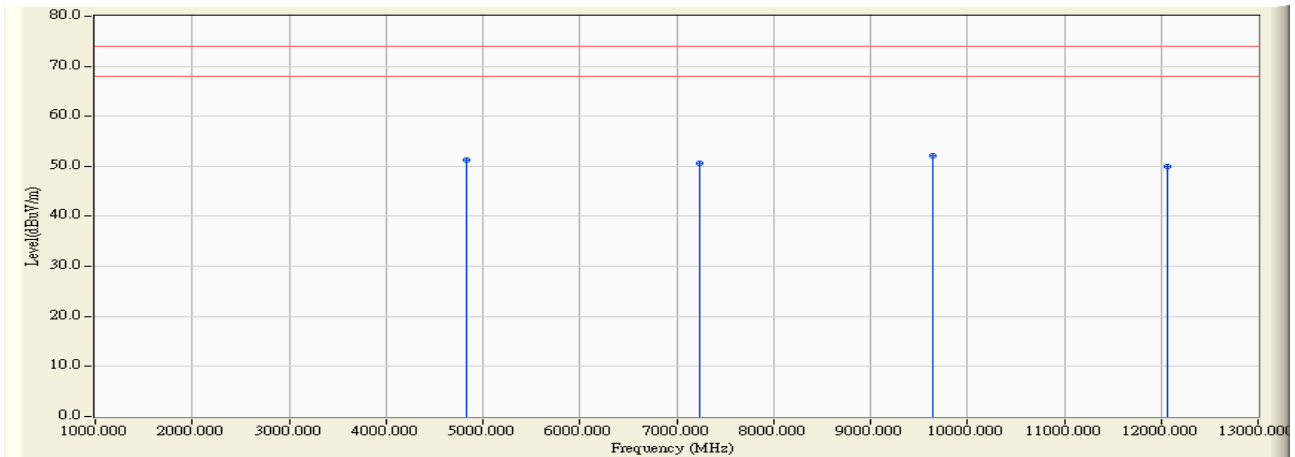


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)
1	*	4824.150	3.733	48.260	51.994	-22.006	74.000	54.00
2		7235.840	8.726	41.380	50.106	-23.894	74.000	54.00
3		9647.960	12.707	36.510	49.217	-24.783	74.000	54.00
4		12059.960	15.054	32.970	48.024	-25.976	74.000	54.00

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 : 2006/12/20 - 20:36
Limit : FCC_SpartC_15.247_H_03M_PK	Margin : 6
EUT : IEEE 802.11g Wireless Router	Probe : FCC_RF_1G-18G(2005-3) - VERTICAL
Power : AC 120V/60Hz	Note : TX-CH1-B

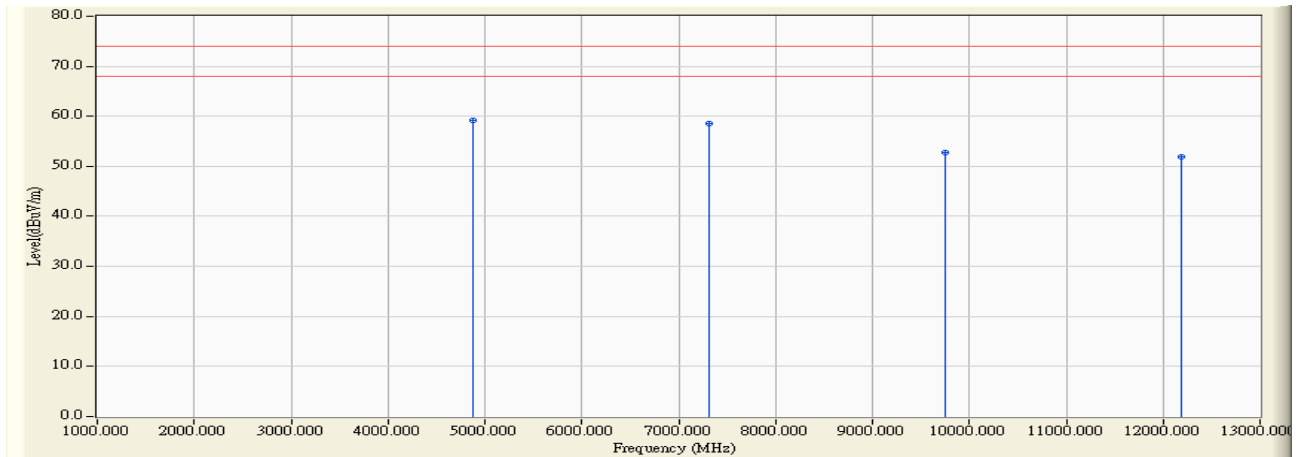


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)
1	4824.150	1.982	49.240	51.222	-22.778	74.000	54.00
2	7238.550	8.729	41.840	50.569	-23.431	74.000	54.00
3	* 9647.800	14.707	37.420	52.127	-21.873	74.000	54.00
4	12060.000	17.224	32.650	49.874	-24.126	74.000	54.00

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 : 2006/12/21 - 10:24
Limit : FCC_SpartC_15.247_H_03M_PK	Margin : 6
EUT : IEEE 802.11g Wireless Router	Probe : FCC_RF_1G-18G(2005-3) - HORIZONTAL
Power : AC 120V/60Hz	Note : TX-CH6-B

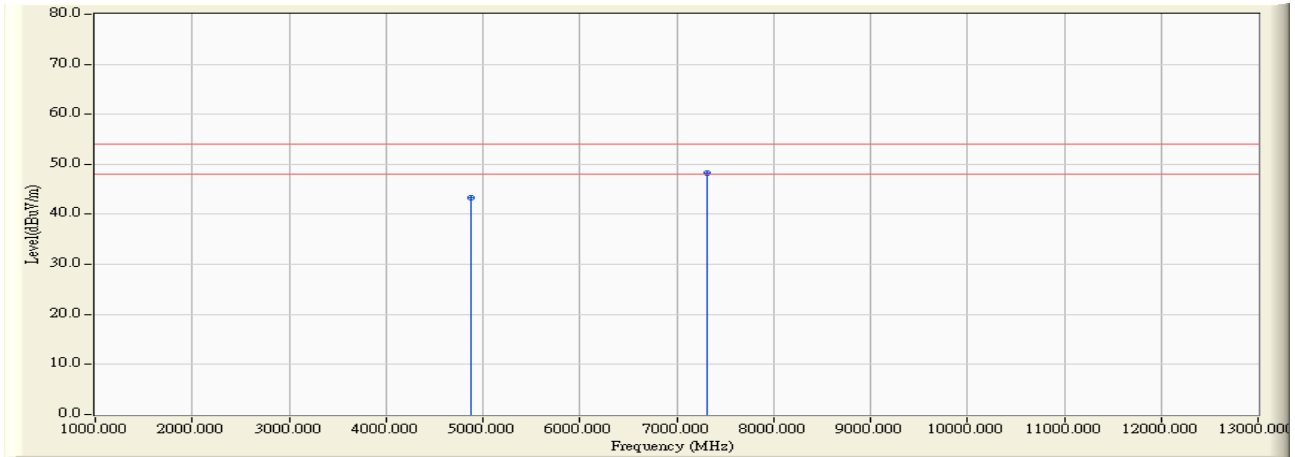


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)
1	*	4871.000	4.067	55.110	59.178	-14.822	74.000	54.00
2		7309.490	8.843	49.700	58.543	-15.457	74.000	54.00
3		9748.100	13.134	39.730	52.863	-21.137	74.000	54.00
4		12187.900	18.929	33.010	51.938	-22.062	74.000	54.00

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 : 2006/12/21 - 10:51
Limit : FCC_SpartC_15.247_H_03M_AV	Margin : 6
EUT : IEEE 802.11g Wireless Router	Probe : FCC_RF_1G-18G(2005-3) - HORIZONTAL
Power : AC 120V/60Hz	Note : TX-CH6-B

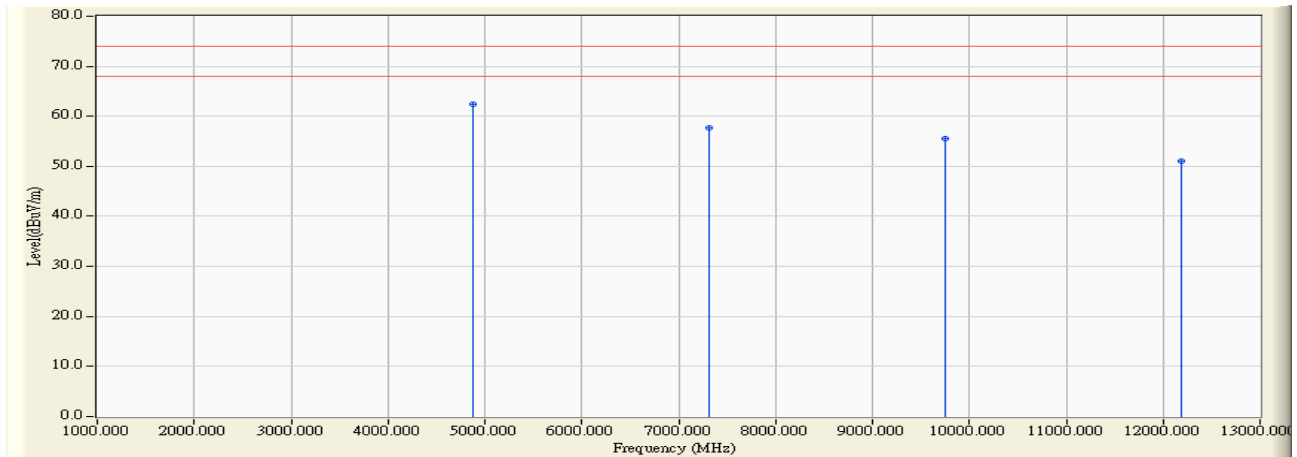


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)
1		4873.290	4.082	39.290	43.372	-10.628	74.000	54.00
2	*	7309.890	8.843	39.500	48.343	-5.657	74.000	54.00

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 : 2006/12/21 - 11:21
Limit : FCC_SpartC_15.247_H_03M_PK	Margin : 6
EUT : IEEE 802.11g Wireless Router	Probe : FCC_RF_1G-18G(2005-3) - VERTICAL
Power : AC 120V/60Hz	Note : TX-CH6-B

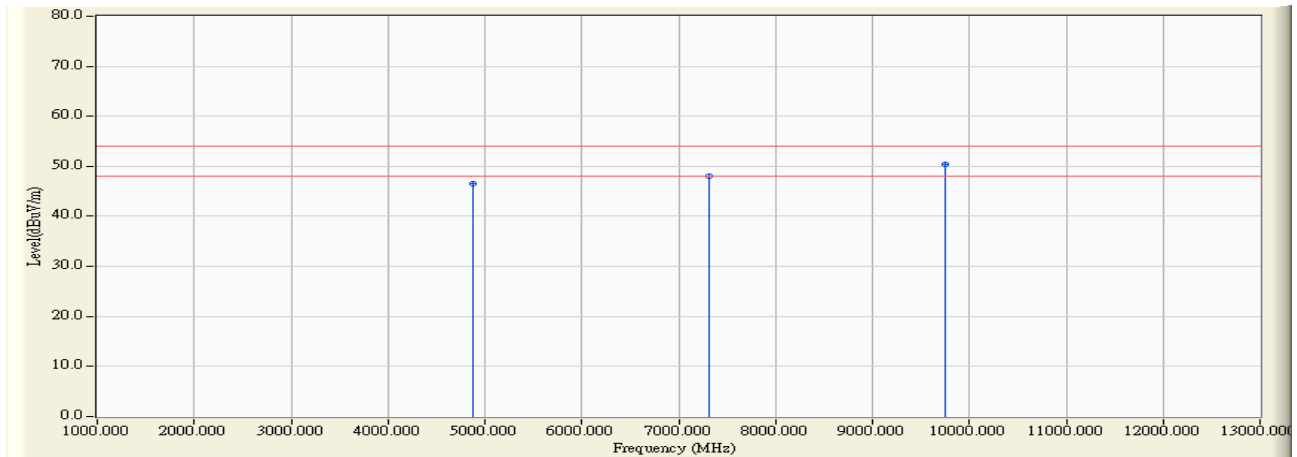


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)
1	*	4874.100	2.434	60.040	62.474	-11.526	74.000	54.00
2		7310.490	8.844	48.920	57.764	-16.236	74.000	54.00
3		9747.890	15.132	40.350	55.482	-18.518	74.000	54.00
4		12185.700	19.404	31.590	50.994	-23.006	74.000	54.00

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 : 2006/12/21 - 11:22
Limit : FCC_SpartC_15.247_H_03M_AV	Margin : 6
EUT : IEEE 802.11g Wireless Router	Probe : FCC_RF_1G-18G(2005-3) - VERTICAL
Power : AC 120V/60Hz	Note : TX-CH6-B

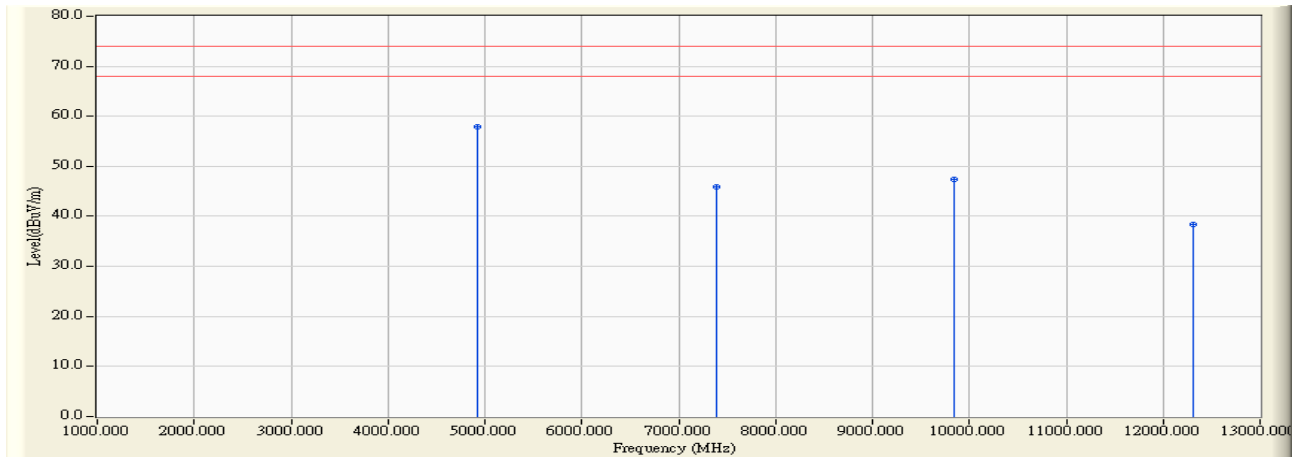


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)
1	4874.900	2.441	44.090	46.531	-7.469	74.000	54.00
2	7312.300	8.846	39.100	47.946	-6.054	74.000	54.00
3	* 9748.100	15.134	35.170	50.303	-3.697	74.000	54.00

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 : 2006/12/22 - 11:57
Limit : FCC_SpartC_15.247_H_03M_PK	Margin : 6
EUT : IEEE 802.11g Wireless Router	Probe : FCC_RF_1G-18G(2005-3) - HORIZONTAL
Power : AC 120V/60Hz	Note : TX-CH11-B

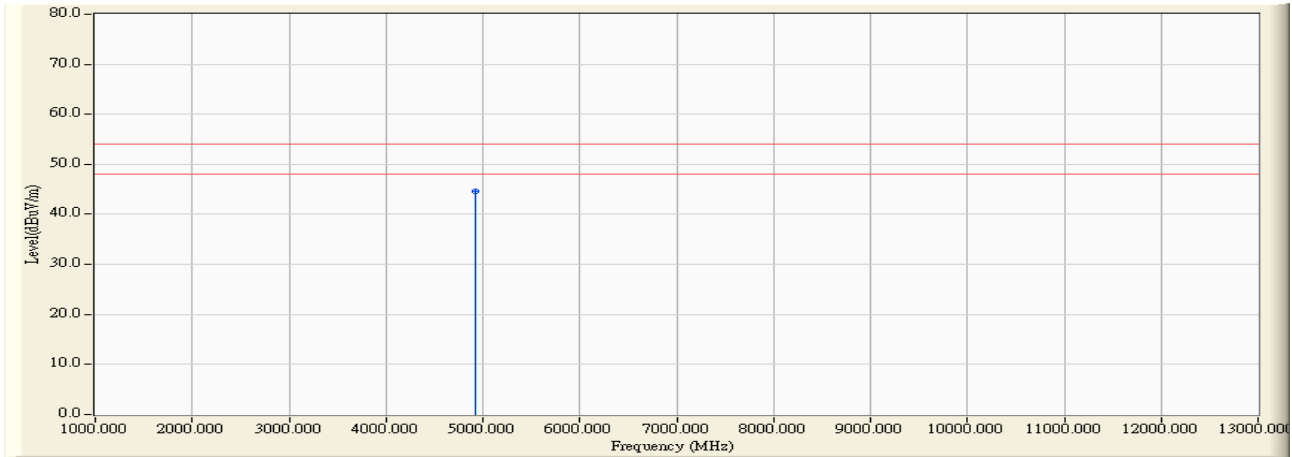


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)
1	*	4923.890	4.381	53.630	58.011	-15.989	74.000	54.00
2		7386.500	8.943	36.870	45.814	-28.186	74.000	54.00
3		9848.700	13.842	33.500	47.342	-26.658	74.000	54.00
4		12309.890	6.416	32.050	38.465	-35.535	74.000	54.00

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 : 2006/12/22 - 13:28
Limit : FCC_SpartC_15.247_H_03M_AV	Margin : 6
EUT : IEEE 802.11g Wireless Router	Probe : FCC_RF_1G-18G(2005-3) - HORIZONTAL
Power : AC 120V/60Hz	Note : TX-CH11-B

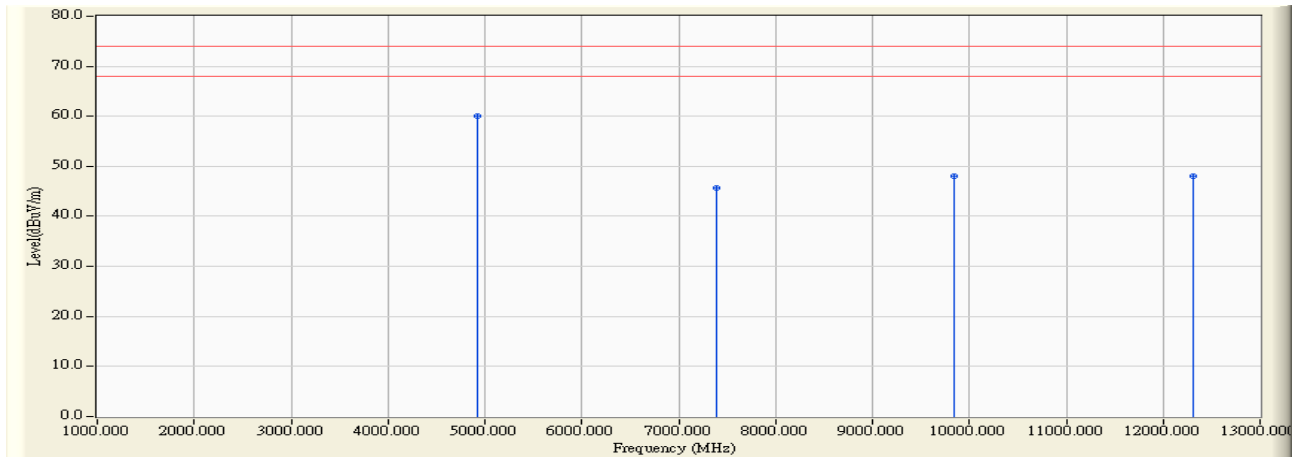


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)
1	*	4922.090	4.375	40.150	44.526	-9.474	74.000	54.00

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 : 2006/12/22 - 13:40
Limit : FCC_SpartC_15.247_H_03M_PK	Margin : 6
EUT : IEEE 802.11g Wireless Router	Probe : FCC_RF_1G-18G(2005-3) - VERTICAL
Power : AC 120V/60Hz	Note : TX-CH11-B

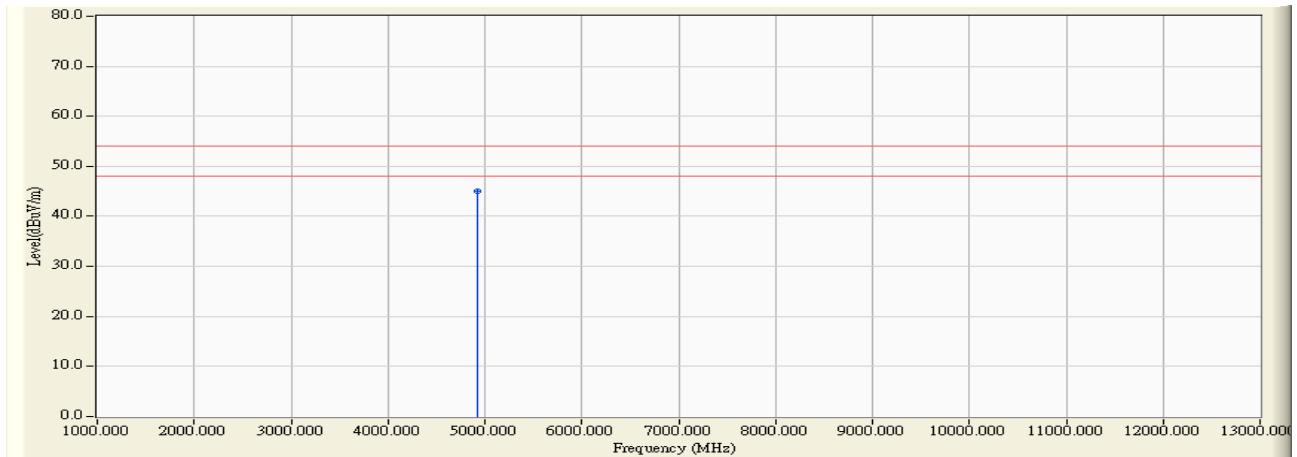


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)
1	*	4924.000	2.834	57.150	59.984	-14.016	74.000	54.00
2		7388.100	8.945	36.750	45.695	-28.305	74.000	54.00
3		9847.690	15.356	32.770	48.125	-25.875	74.000	54.00
4		12309.890	17.905	30.210	48.115	-25.885	74.000	54.00

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 : 2006/12/22 - 13:41
Limit : FCC_SpartC_15.247_H_03M_AV	Margin : 6
EUT : IEEE 802.11g Wireless Router	Probe : FCC_RF_1G-18G(2005-3) - VERTICAL
Power : AC 120V/60Hz	Note : TX-CH11-B

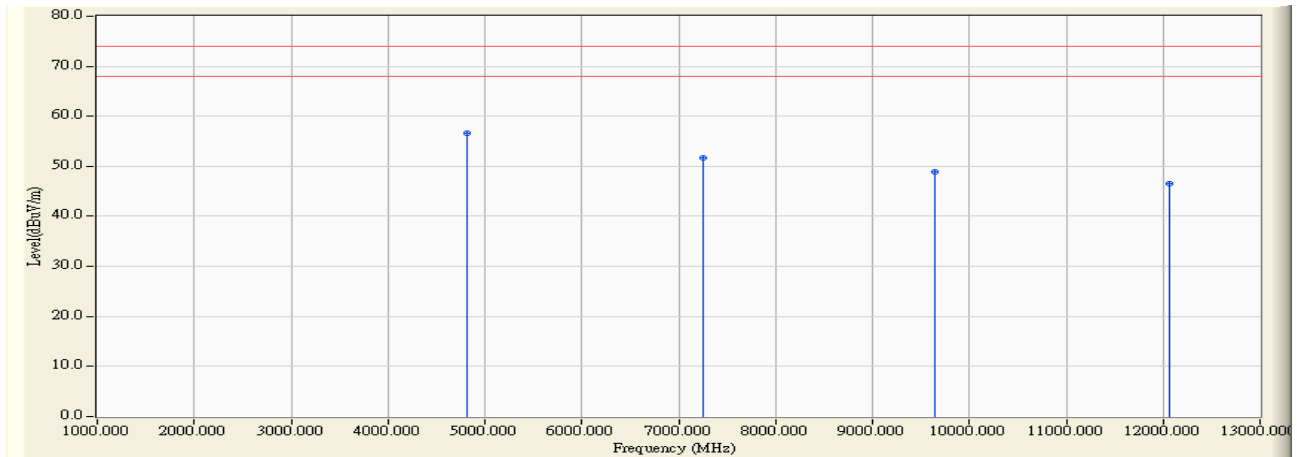


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)
1	*	4922.090	2.824	42.290	45.114	-8.886	74.000	54.00

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 : 2006/12/22 - 14:02
Limit : FCC_SpartC_15.247_H_03M_PK	Margin : 6
EUT : IEEE 802.11g Wireless Router	Probe : FCC_RF_1G-18G(2005-3) - HORIZONTAL
Power : AC 120V/60Hz	Note : TX-CH1-G

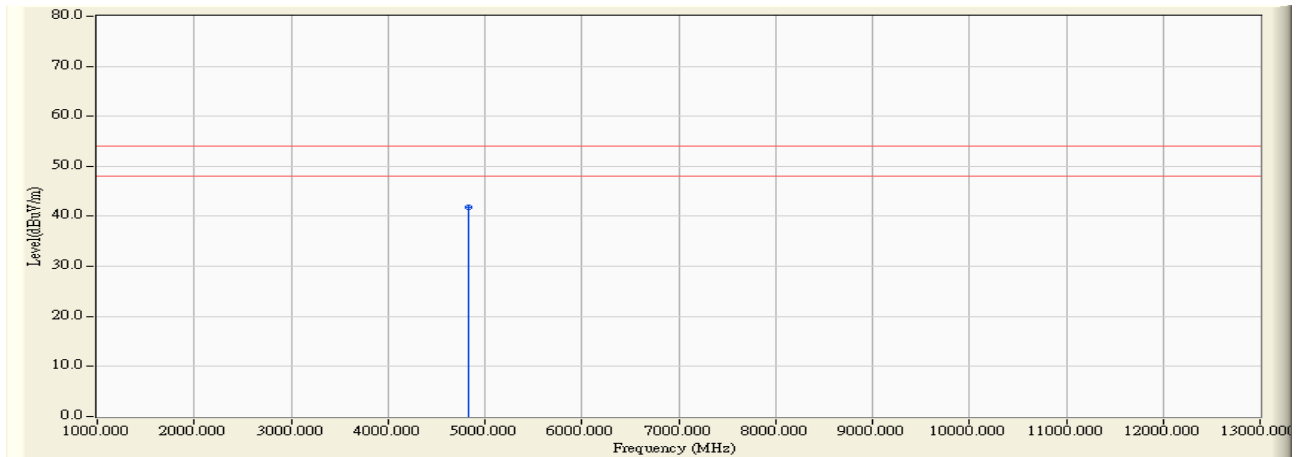


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)
1	*	4823.690	3.730	52.930	56.661	-17.339	74.000	54.00
2		7247.120	8.745	42.970	51.714	-22.286	74.000	54.00
3		9647.890	12.707	36.180	48.887	-25.113	74.000	54.00
4		12059.890	15.047	31.390	46.438	-27.562	74.000	54.00

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 : 2006/12/22 - 14:03
Limit : FCC_SpartC_15.247_H_03M_AV	Margin : 6
EUT : IEEE 802.11g Wireless Router	Probe : FCC_RF_1G-18G(2005-3) - HORIZONTAL
Power : AC 120V/60Hz	Note : TX-CH1-G

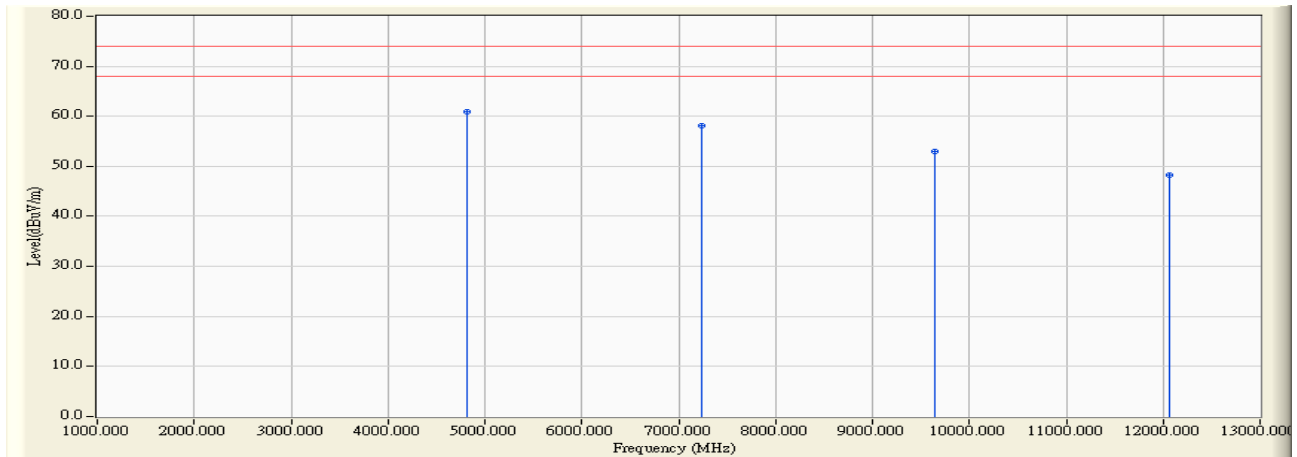


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)
1	*	4824.500	3.737	37.990	41.726	-12.274	74.000	54.00

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 : 2006/12/22 - 14:18
Limit : FCC_SpartC_15.247_H_03M_PK	Margin : 6
EUT : IEEE 802.11g Wireless Router	Probe : FCC_RF_1G-18G(2005-3) - VERTICAL
Power : AC 120V/60Hz	Note : TX-CH1-G

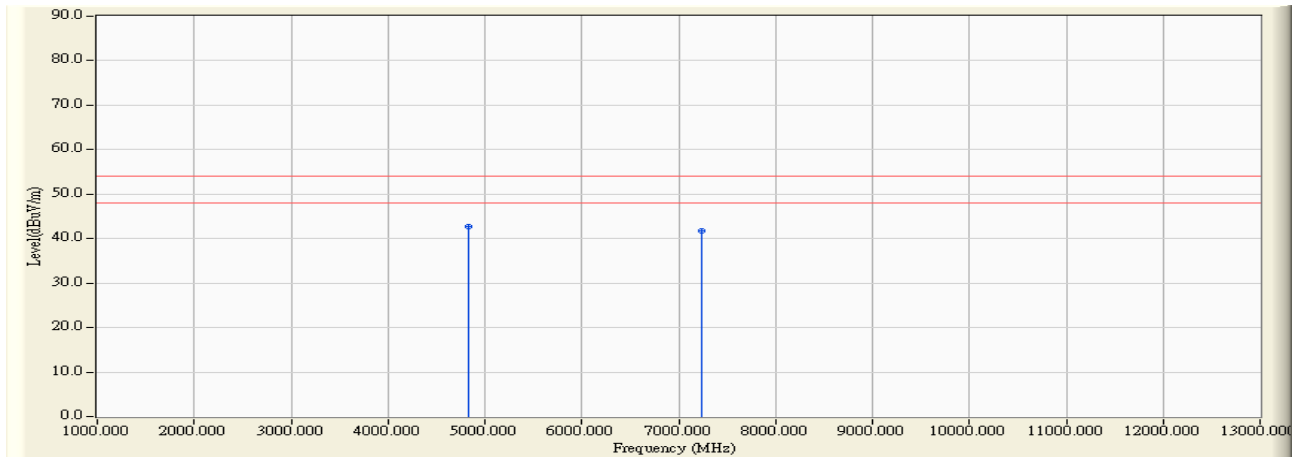


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)
1	*	4822.490	1.968	58.890	60.858	-13.142	74.000	54.00
2		7232.790	8.723	49.410	58.133	-15.867	74.000	54.00
3		9645.790	14.706	38.270	52.976	-21.024	74.000	54.00
4		12058.790	17.209	31.140	48.349	-25.651	74.000	54.00

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 : 2007/01/03 - 22:18
Limit : FCC_SpartC_15.247_H_03M_AV	Margin : 6
EUT : IEEE 802.11g Wireless Router	Probe : FCC_RF_1G-18G(2005-3) - VERTICAL
Power : AC 120V/60Hz	Note : TX-CH1-G

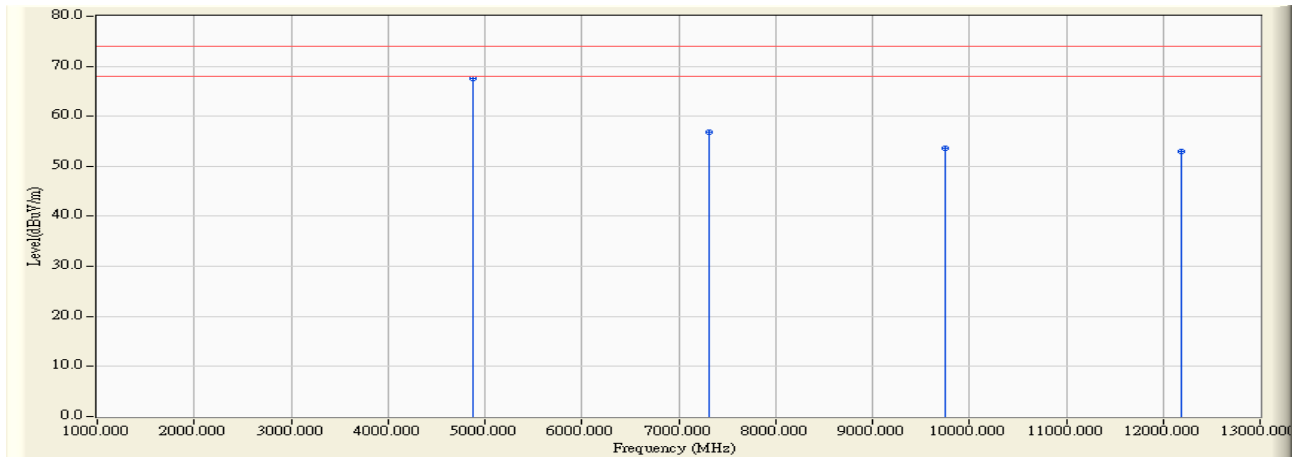


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)
1	*	4824.700	1.988	40.630	42.617	-11.383	74.000	54.00
2		7236.700	8.727	33.010	41.737	-12.263	74.000	54.00

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 : 2006/12/22 - 14:34
Limit : FCC_SpartC_15.247_H_03M_PK	Margin : 6
EUT : IEEE 802.11g Wireless Router	Probe : FCC_RF_1G-18G(2005-3) - HORIZONTAL
Power : AC 120V/60Hz	Note : TX-CH6-G

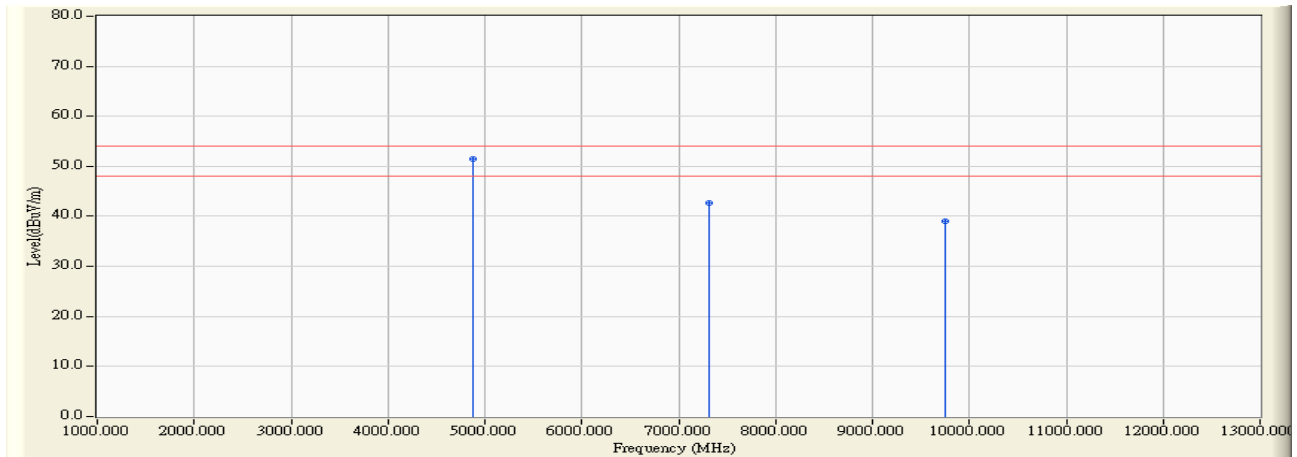


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)
1	*	4874.900	4.093	63.490	67.583	-6.417	74.000	54.00
2		7306.890	8.840	47.940	56.780	-17.220	74.000	54.00
3		9744.490	13.114	40.470	53.584	-20.416	74.000	54.00
4		12186.500	18.981	34.010	52.991	-21.009	74.000	54.00

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 : 2006/12/22 - 16:27
Limit : FCC_SpartC_15.247_H_03M_AV	Margin : 6
EUT : IEEE 802.11g Wireless Router	Probe : FCC_RF_1G-18G(2005-3) - HORIZONTAL
Power : AC 120V/60Hz	Note : TX-CH6-G

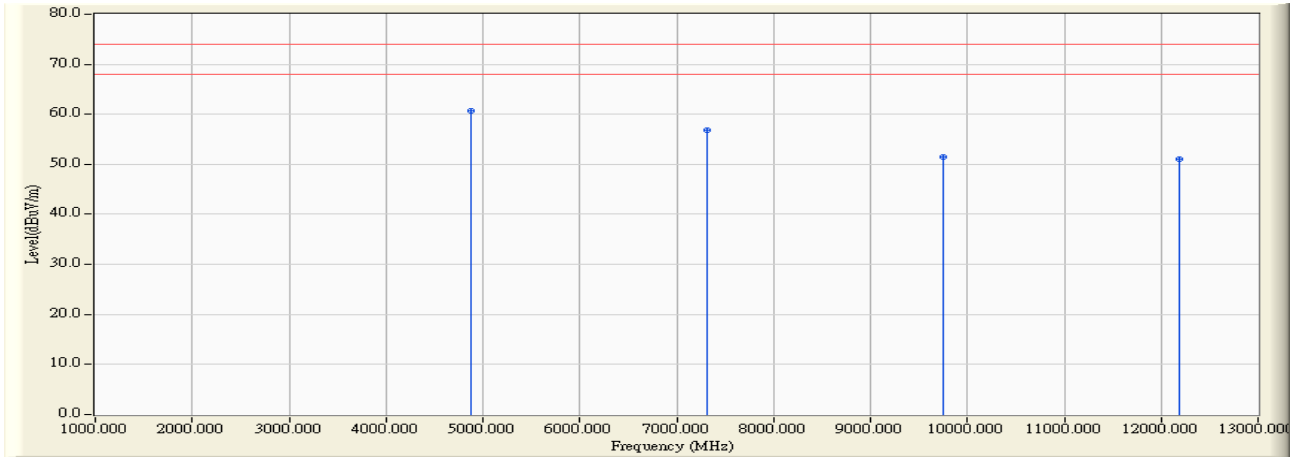


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)
1	*	4874.500	4.091	47.380	51.470	-2.530	74.000	54.00
2		7311.700	8.846	33.740	42.586	-11.414	74.000	54.00
3		9748.100	13.134	25.940	39.073	-14.927	74.000	54.00

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 : 2006/12/22 - 17:34
Limit : FCC_SpartC_15.247_H_03M_PK	Margin : 6
EUT : IEEE 802.11g Wireless Router	Probe : FCC_RF_1G-18G(2005-3) - VERTICAL
Power : AC 120V/60Hz	Note : TX-CH6-G

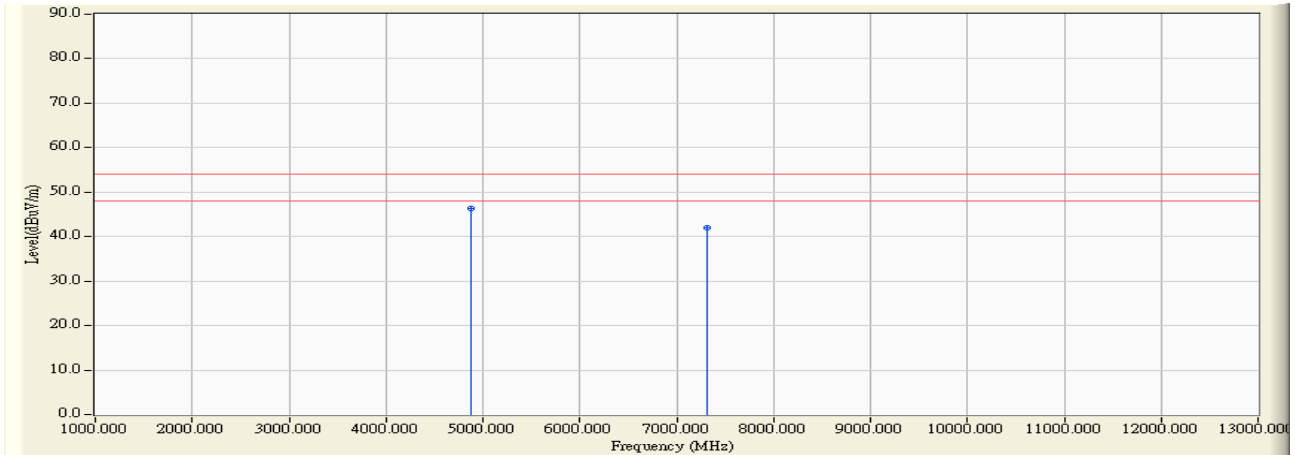


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)
1	*	4875.100	2.443	58.340	60.783	-13.217	74.000	54.00
2		7311.500	8.845	47.890	56.735	-17.265	74.000	54.00
3		9748.070	15.134	36.330	51.463	-22.537	74.000	54.00
4		12185.250	19.395	31.600	50.995	-23.005	74.000	54.00

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 : 2007/01/03 - 22:04
Limit : FCC_SpartC_15.247_H_03M_AV	Margin : 6
EUT : IEEE 802.11g Wireless Router	Probe : FCC_RF_1G-18G(2005-3) - VERTICAL
Power : AC 120V/60Hz	Note : TX-CH6-G

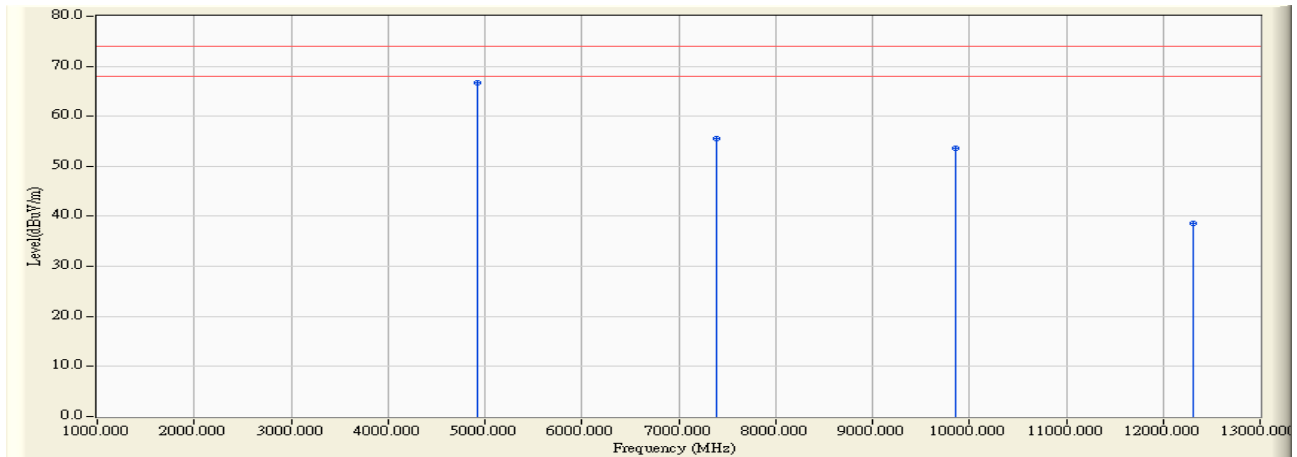


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)
1	*	4875.300	2.445	43.890	46.334	-7.666	74.000	54.00
2		7313.500	8.848	33.140	41.988	-12.012	74.000	54.00

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 : 2006/12/25 - 11:53
Limit : FCC_SpartC_15.247_H_03M_PK	Margin : 6
EUT : IEEE 802.11g Wireless Router	Probe : FCC_RF_1G-18G(2005-3) - HORIZONTAL
Power : AC 120V/60Hz	Note : TX-CH11-G

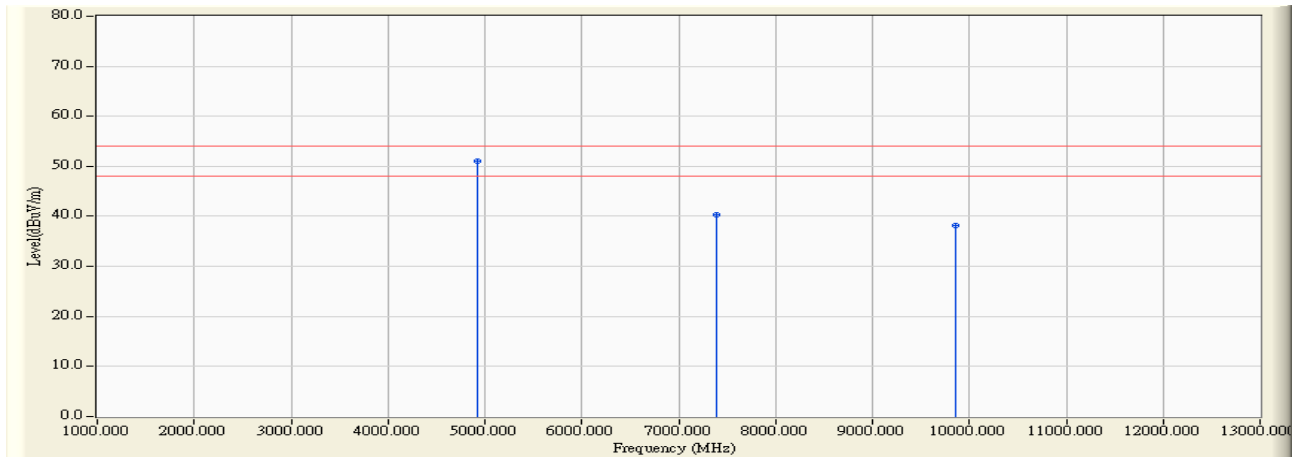


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)
1	*	4925.540	4.386	62.310	66.696	-7.304	74.000	54.00
2		7395.550	8.956	46.490	55.446	-18.554	74.000	54.00
3		9861.870	13.968	39.550	53.519	-20.481	74.000	54.00
4		12310.920	6.581	32.070	38.651	-35.349	74.000	54.00

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 : 2006/12/25 - 13:19
Limit : FCC_SpartC_15.247_H_03M_AV	Margin : 6
EUT : IEEE 802.11g Wireless Router	Probe : FCC_RF_1G-18G(2005-3) - HORIZONTAL
Power : AC 120V/60Hz	Note : TX-CH11-G

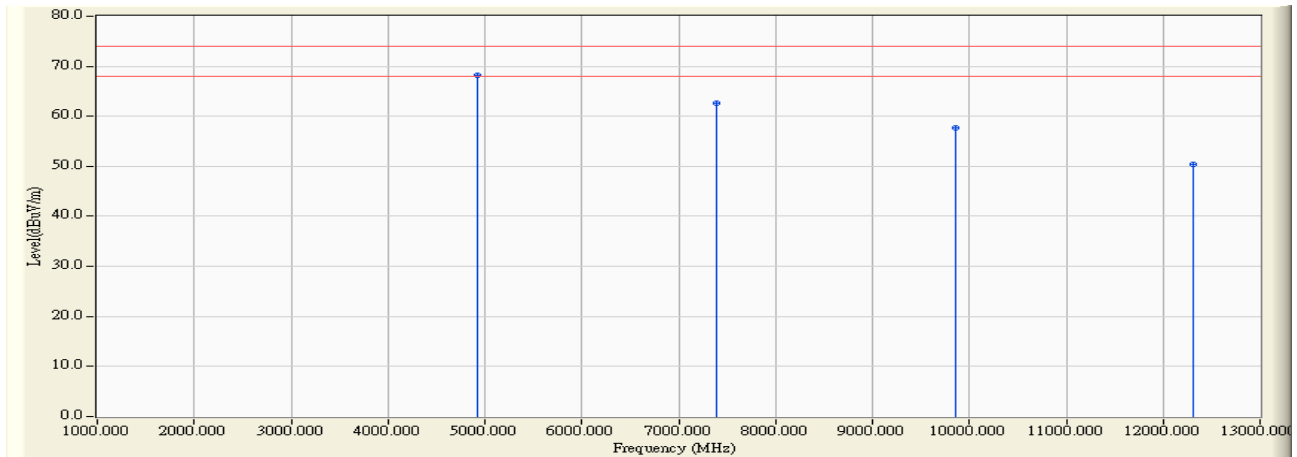


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)
1	*	4923.690	4.380	46.620	51.000	-3.000	74.000	54.00
2		7388.150	8.945	31.380	40.325	-13.675	74.000	54.00
3		9852.620	13.879	24.370	38.249	-15.751	74.000	54.00

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 : 2006/12/25 - 13:52
Limit : FCC_SpartC_15.247_H_03M_PK	Margin : 6
EUT : 071H017	Probe : FCC_RF_1G-18G(2005-3) - VERTICAL
Power : AC 120V/60Hz	Note : TX-CH11-G

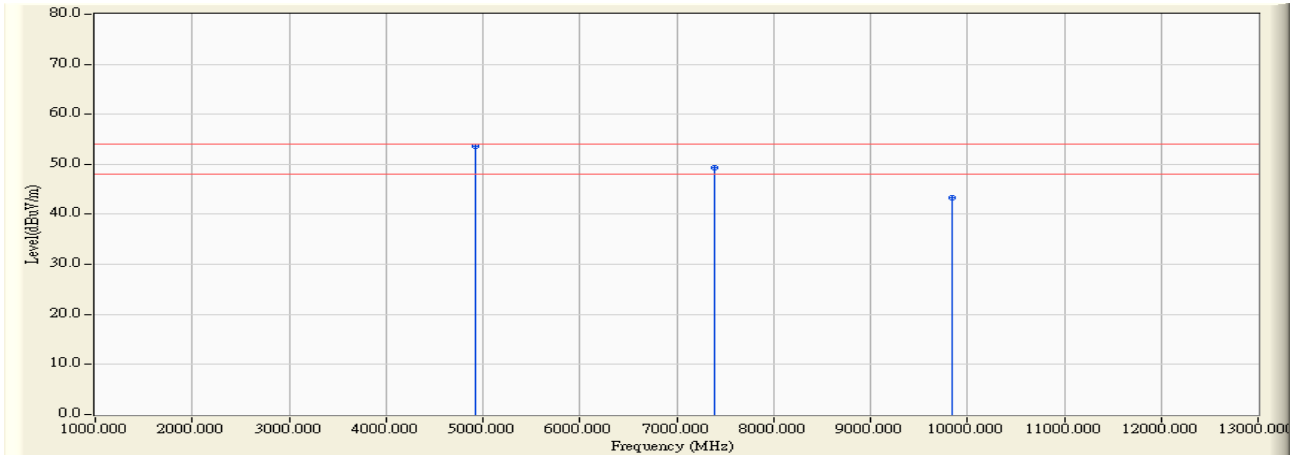


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)
1	*	4922.940	2.829	65.320	68.149	-5.851	74.000	54.00
2		7390.050	8.948	53.640	62.588	-11.412	74.000	54.00
3		9850.850	15.354	42.400	57.754	-16.246	74.000	54.00
4		12308.940	17.924	32.530	50.454	-23.546	74.000	54.00

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 : 2006/12/25 - 13:55
Limit : FCC_SpartC_15.247_H_03M_AV	Margin : 6
EUT : IEEE 802.11g Wireless Router	Probe : FCC_RF_1G-18G(2005-3) - VERTICAL
Power : AC 120V/60Hz	Note : TX-CH11-G



		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)
1	*	4924.150	2.835	50.750	53.585	-0.415	74.000	54.00
2		7387.650	8.945	40.410	49.355	-4.645	74.000	54.00
3		9848.500	15.355	27.960	43.315	-10.685	74.000	54.00

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

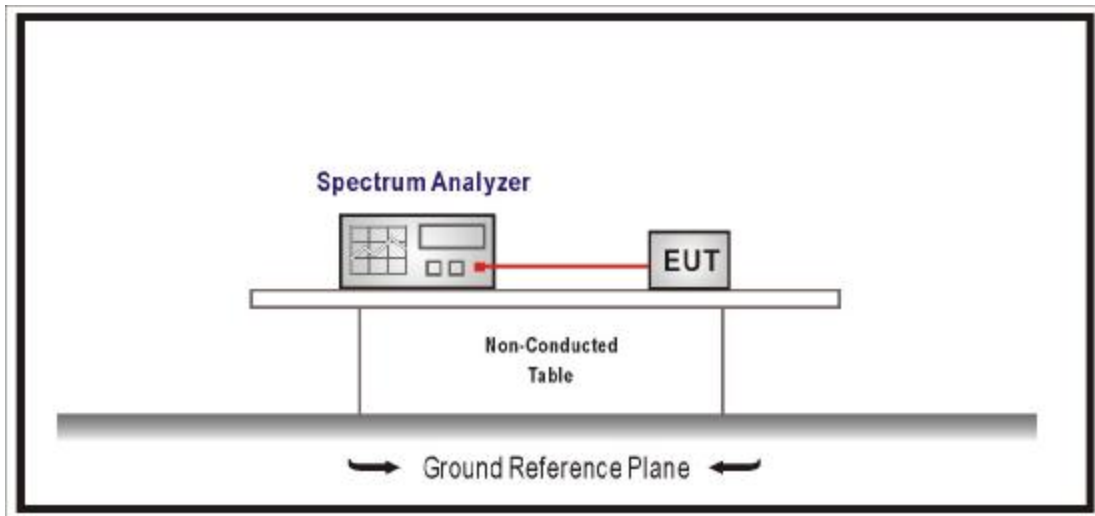
The following test equipment are used during the test:

RF Conducted Measurement:				
Item	Equipment	Manufacturer	Model No. / Serial No.	Last Cal.
1	Spectrum Analyzer	R & S	FSP / 100561	Mar., 2006
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., 2006
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

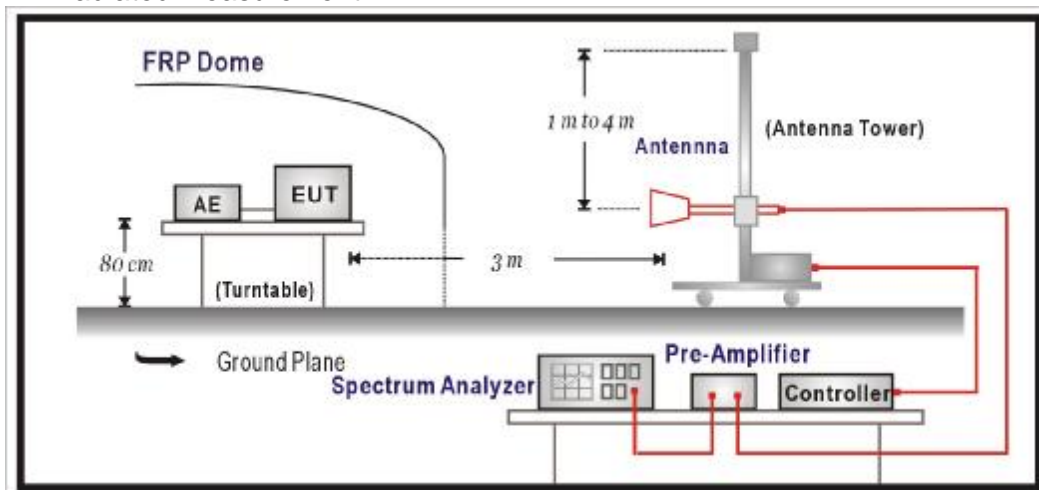
- Note: 1. All equipments that need to calibrate are with calibration period of 1 year.
 2. Mark "X" test instruments are used to measure the final test results.

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: 2005

5.6. Uncertainty

The measurement uncertainty

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

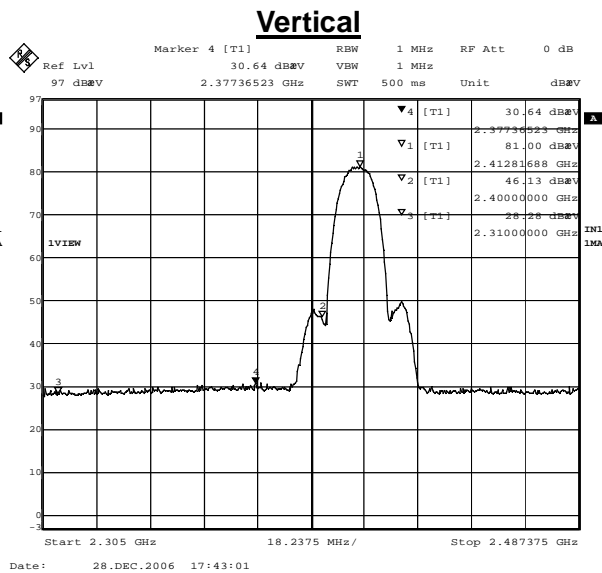
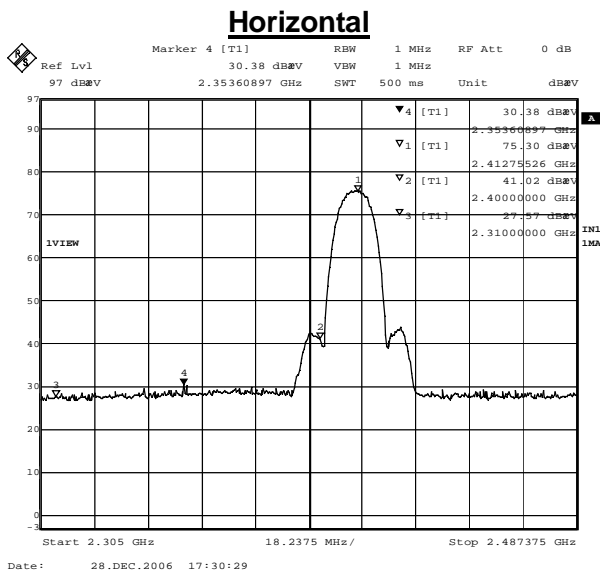
Radiated is defined as $\pm 3.9\text{dB}$

5.7. Test Result

Product	IEEE 802.11g Wireless Router		
Test Item	Band Edge		
Test Mode	Mode 1: Transmit		
Date of Test	2006/12/28	Test Site	No.1 OATS

RF Radiated Measurement: (Peak Detector)

IEEE 802.11b								
Channel No.	Frequency (MHz)	Reading Level (dBuV)	Probe Factor (dB/m)	Cable Loss (dB)	Emission Level (dBuV/m)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)	Result
1(Horizontal)	2353.600	30.380	24.361	4.482	59.224	54	74	Pass
1(Vertical)	2377.360	30.640	22.831	4.500	57.971	54	74	Pass



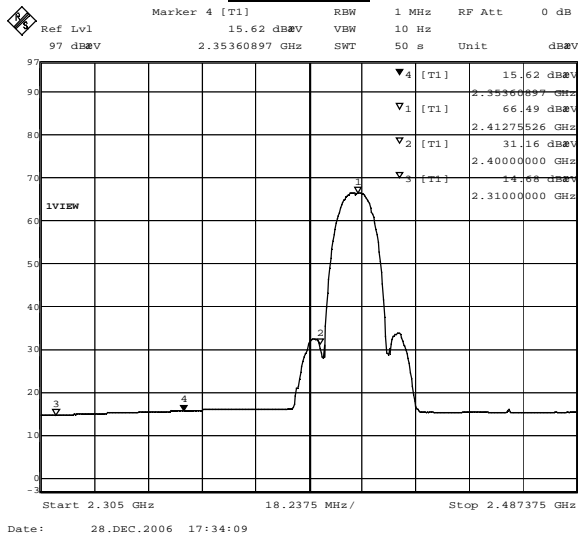
Note: The average measurement was not performed when the peak measured data under the limit of average detection. If the readings given are average, peak measurement should also be supplied.

Product	IEEE 802.11g Wireless Router		
Test Item	Band Edge		
Test Mode	Mode 1: Transmit		
Date of Test	2006/12/28	Test Site	No.1 OATS

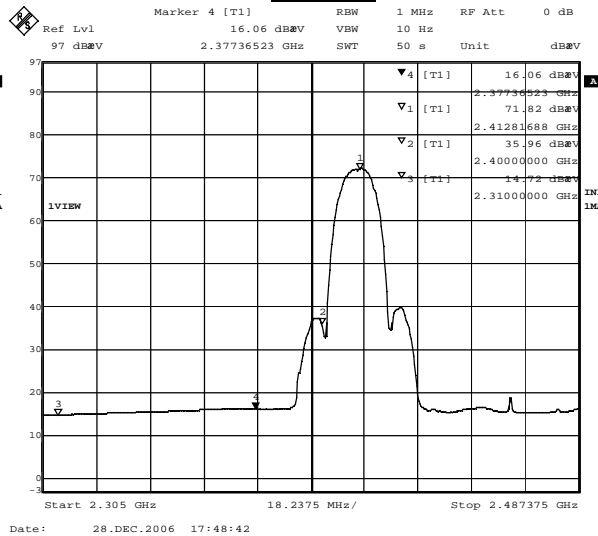
RF Radiated Measurement: (Average Detector)

IEEE 802.11b								
Channel No.	Frequency (MHz)	Reading Level (dBuV)	Probe Factor (dB/m)	Cable Loss (dB)	Emission Level (dBuV/m)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)	Result
1(Horizontal)	2353.600	15.620	24.361	4.482	44.464	54	74	Pass
1(Vertical)	2377.360	16.060	22.831	4.500	43.391	54	74	Pass

Horizontal



Vertical

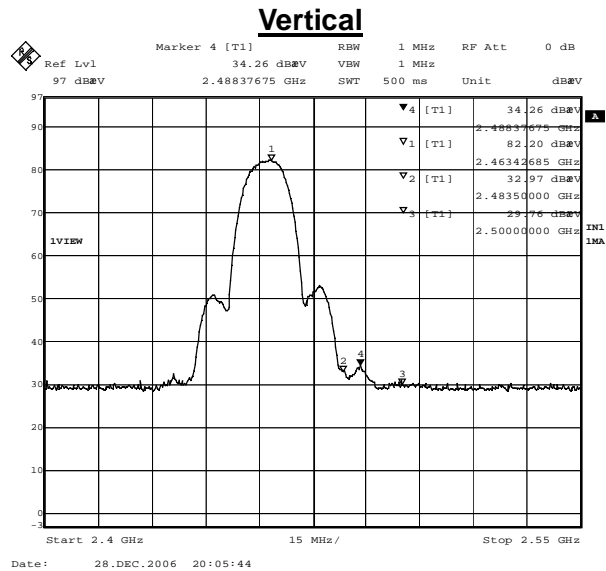
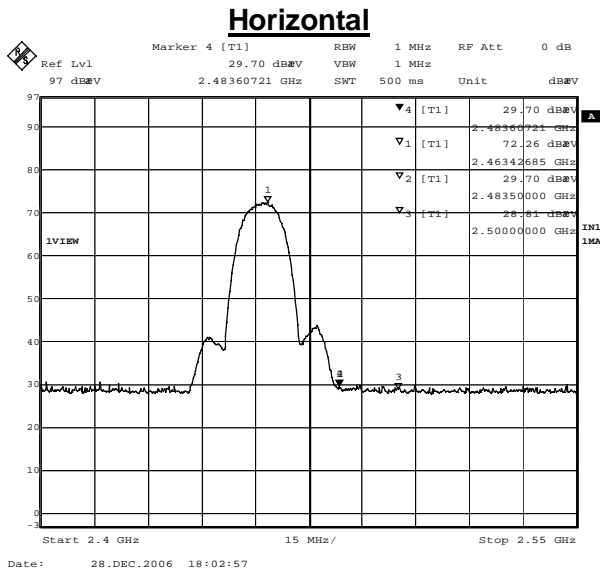


Note: The average measurement was not performed when the peak measured data under the limit of average detection. If the readings given are average, peak measurement should also be supplied.

Product	IEEE 802.11g Wireless Router		
Test Item	Band Edge		
Test Mode	Mode 1: Transmit		
Date of Test	2006/12/28	Test Site	No.1 OATS

RF Radiated Measurement: (Peak Detector)

IEEE 802.11b								
Channel No.	Frequency (MHz)	Reading Level (dBuV)	Probe Factor (dB/m)	Cable Loss (dB)	Emission Level (dBuV/m)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)	Result
11(Horizontal)	2483.600	29.700	24.721	4.573	58.994	54	74	Pass
11(Vertical)	2488.370	34.260	23.132	4.576	61.968	54	74	Pass

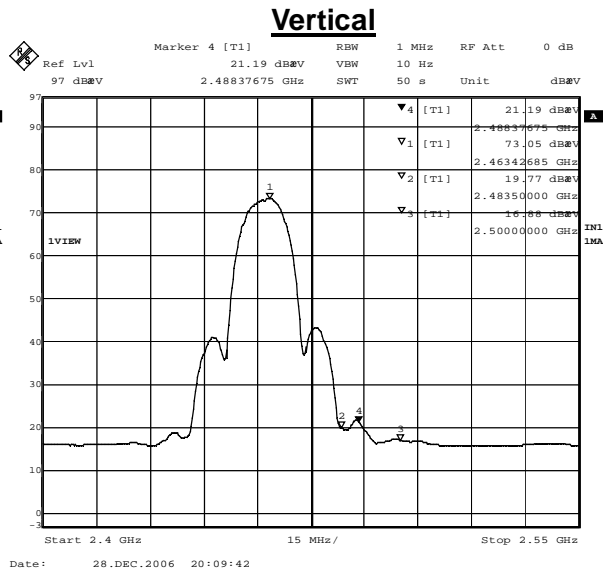
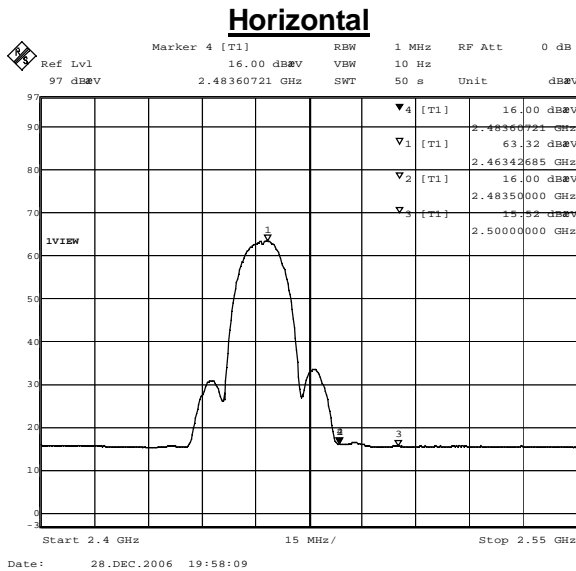


Note: The average measurement was not performed when the peak measured data under the limit of average detection. If the readings given are average, peak measurement should also be supplied.

Product	IEEE 802.11g Wireless Router		
Test Item	Band Edge		
Test Mode	Mode 1: Transmit		
Date of Test	2006/12/28	Test Site	No.1 OATS

RF Radiated Measurement: (Average Detector)

IEEE 802.11b								
Channel No.	Frequency (MHz)	Reading Level (dBuV)	Probe Factor (dB/m)	Cable Loss (dB)	Emission Level (dBuV/m)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)	Result
11(Horizontal)	2483.600	16.000	24.721	4.573	45.294	54	74	Pass
11(Vertical)	2488.370	21.190	23.132	4.576	48.898	54	74	Pass



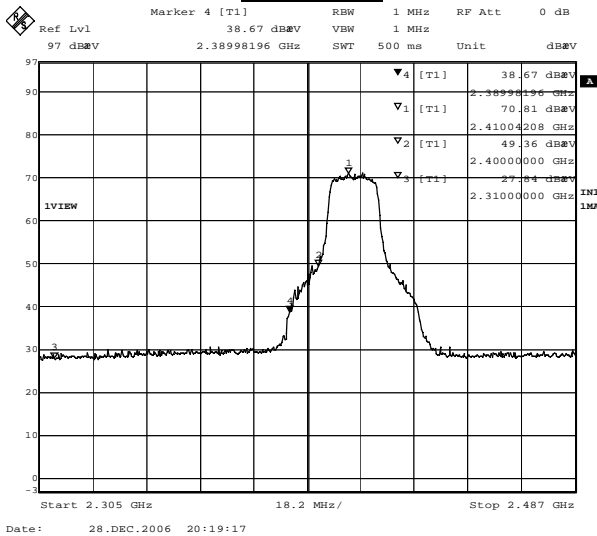
Note: The average measurement was not performed when the peak measured data under the limit of average detection. If the readings given are average, peak measurement should also be supplied.

Product	IEEE 802.11g Wireless Router		
Test Item	Band Edge		
Test Mode	Mode 1: Transmit		
Date of Test	2006/12/28	Test Site	No.1 OATS

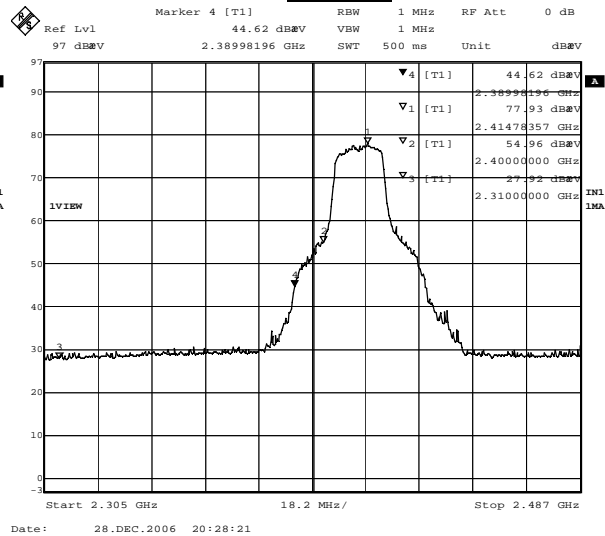
RF Radiated Measurement: (Peak Detector)

IEEE 802.11g								
Channel No.	Frequency (MHz)	Reading Level (dBuV)	Probe Factor (dB/m)	Cable Loss (dB)	Emission Level (dBuV/m)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)	Result
1(Horizontal)	2389.980	38.670	24.476	4.508	67.653	54	74	Pass
1(Vertical)	2389.980	44.620	22.876	4.508	72.003	54	74	Pass

Horizontal



Vertical



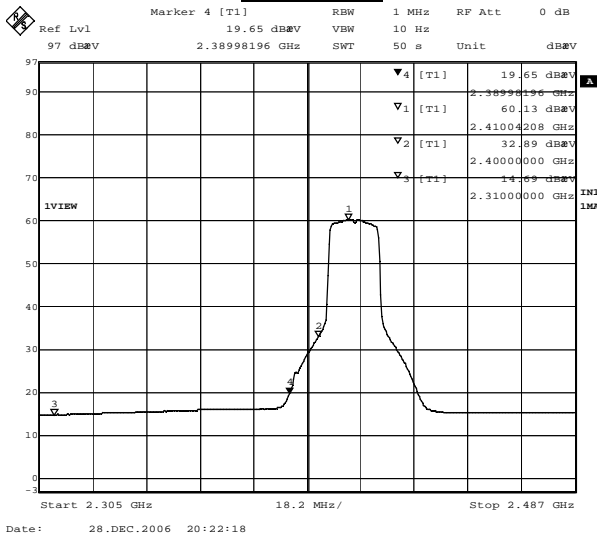
Note: The average measurement was not performed when the peak measured data under the limit of average detection. If the readings given are average, peak measurement should also be supplied.

Product	IEEE 802.11g Wireless Router		
Test Item	Band Edge		
Test Mode	Mode 1: Transmit		
Date of Test	2006/12/28	Test Site	No.1 OATS

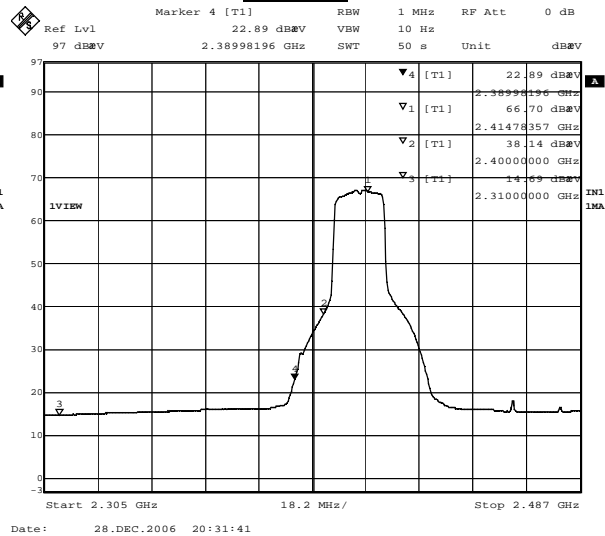
RF Radiated Measurement: (Average Detector)

IEEE 802.11g								
Channel No.	Frequency (MHz)	Reading Level (dBuV)	Probe Factor (dB/m)	Cable Loss (dB)	Emission Level (dBuV/m)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)	Result
1(Horizontal)	2389.980	19.650	24.476	4.508	48.633	54	74	Pass
1(Vertical)	2389.980	22.890	22.876	4.508	50.273	54	74	Pass

Horizontal



Vertical



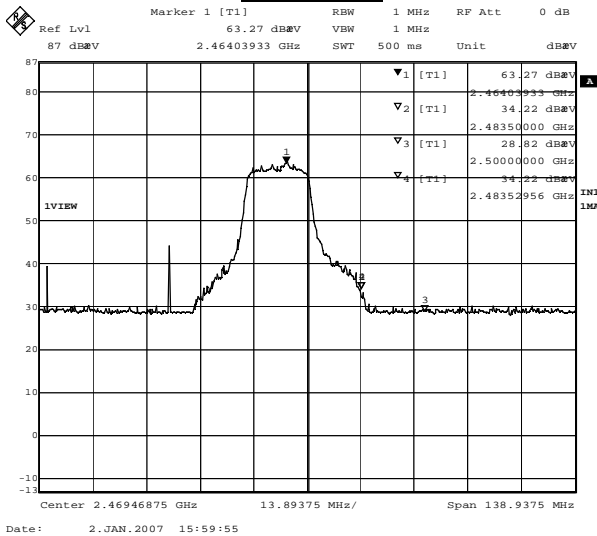
Note: The average measurement was not performed when the peak measured data under the limit of average detection. If the readings given are average, peak measurement should also be supplied.

Product	IEEE 802.11g Wireless Router		
Test Item	Band Edge		
Test Mode	Mode 1: Transmit		
Date of Test	2007/01/02	Test Site	No.1 OATS

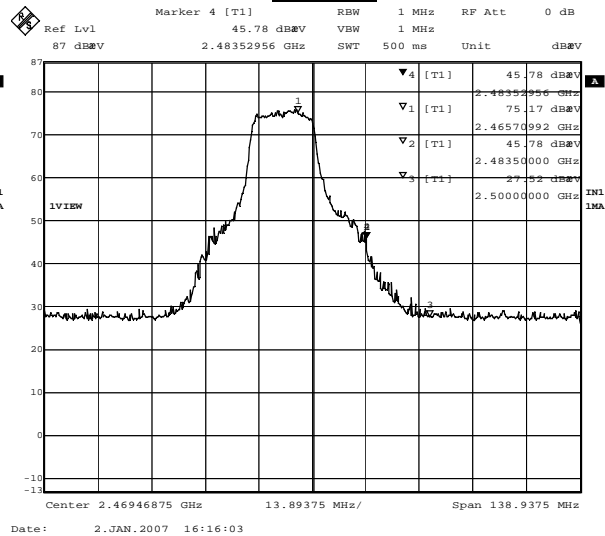
RF Radiated Measurement: (Peak Detector)

IEEE 802.11g								
Channel No.	Frequency (MHz)	Reading Level (dBuV)	Probe Factor (dB/m)	Cable Loss (dB)	Emission Level (dBuV/m)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)	Result
11(Horizontal)	2483.520	34.220	24.721	4.573	63.513	54	74	Pass
11(Vertical)	2483.520	45.780	23.121	4.573	73.473	54	74	Pass

Horizontal



Vertical



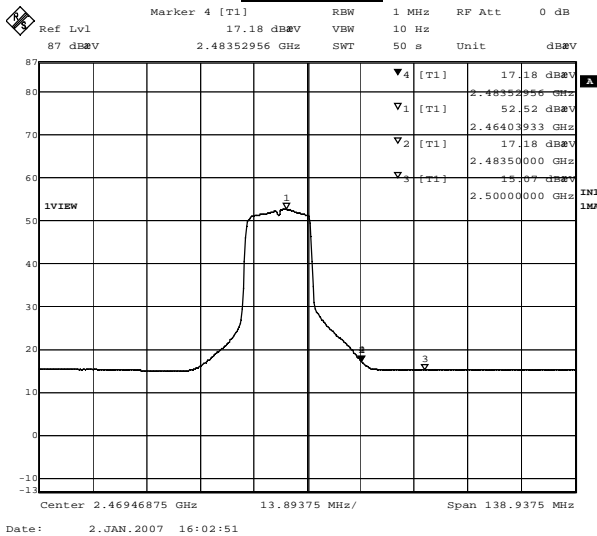
Note: The average measurement was not performed when the peak measured data under the limit of average detection. If the readings given are average, peak measurement should also be supplied.

Product	IEEE 802.11g Wireless Router		
Test Item	Band Edge		
Test Mode	Mode 1: Transmit		
Date of Test	2007/01/02	Test Site	No.1 OATS

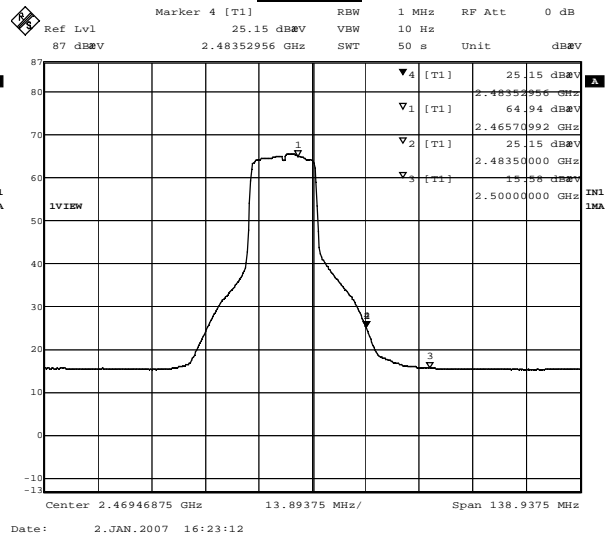
RF Radiated Measurement: (Average Detector)

IEEE 802.11g								
Channel No.	Frequency (MHz)	Reading Level (dBuV)	Probe Factor (dB/m)	Cable Loss (dB)	Emission Level (dBuV/m)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)	Result
11(Horizontal)	2483.520	17.180	24.721	4.573	46.473	54	74	Pass
11(Vertical)	2483.520	25.150	23.121	4.573	52.843	54	74	Pass

Horizontal



Vertical



Note: The average measurement was not performed when the peak measured data under the limit of average detection. If the readings given are average, peak measurement should also be supplied.

6. Occupied Bandwidth

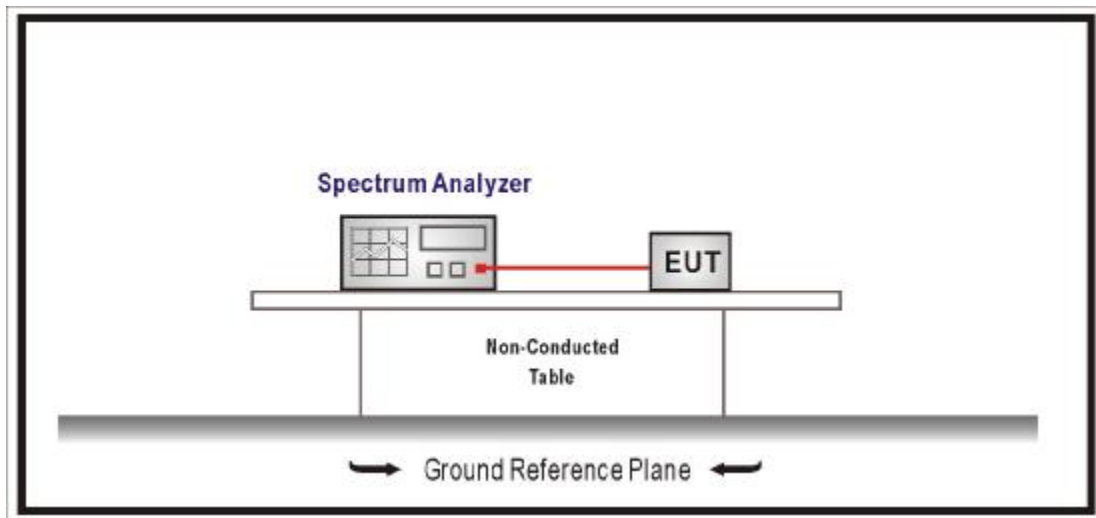
6.1. Test Equipment

The following test equipment are used during the test:

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

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

6.2. Test Setup



6.3. Limits

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

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

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

6.4. Test Specification

According to FCC Part 15 Subpart C Paragraph 15.247: 2005

6.5. Uncertainty

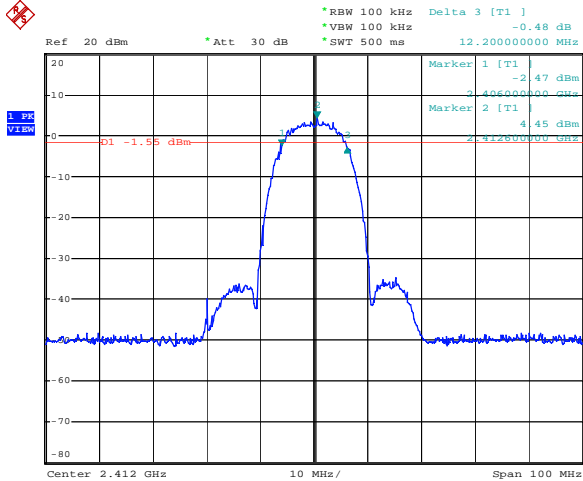
The measurement uncertainty is defined as $\pm 50\text{kHz}$

6.6. Test Result

Product	IEEE 802.11g Wireless Router		
Test Item	Occupied Bandwidth		
Test Mode	Mode 1: Transmit		
Date of Test	2006/12/27	Test Site	No.1 OATS

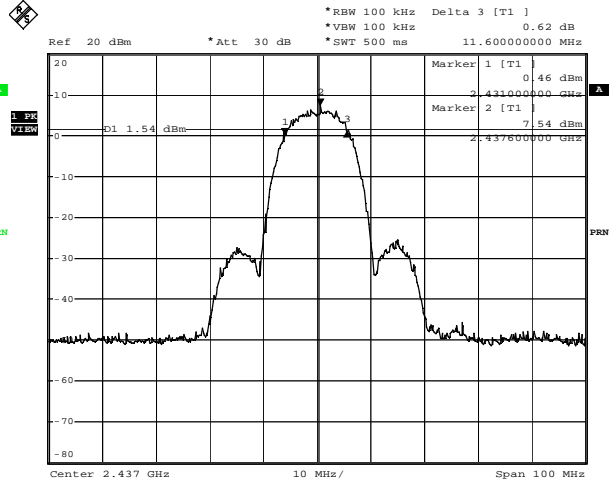
IEEE 802.11b				
Channel No.	Frequency (MHz)	Measure Value (kHz)	Limit (kHz)	Result
1	2412	12200	>500	Pass
6	2437	11600	> 500	Pass
11	2462	12600	> 500	Pass

Channel 1



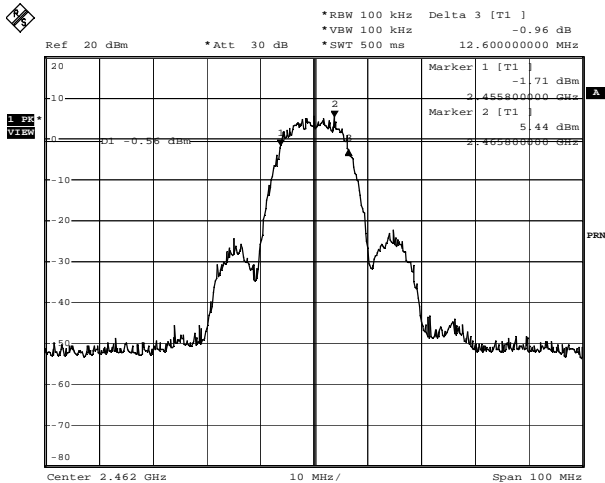
Date: 19.DEC.2006 15:54:38

Channel 6



Date: 27.DEC.2006 14:20:50

Channel 11

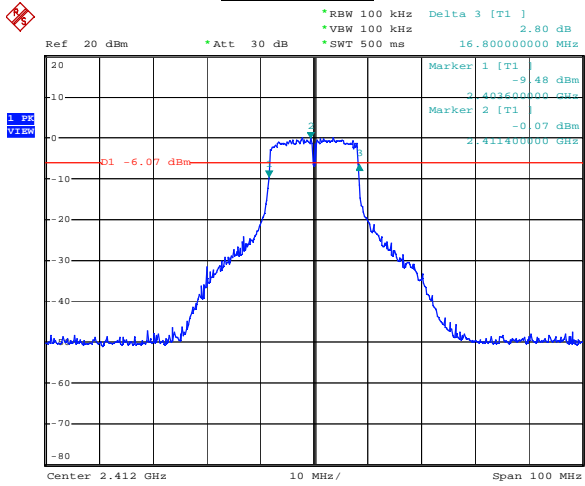


Date: 27.DEC.2006 15:28:58

Product	IEEE 802.11g Wireless Router		
Test Item	Occupied Bandwidth		
Test Mode	Mode 1: Transmit		
Date of Test	2006/12/27	Test Site	No.1 OATS

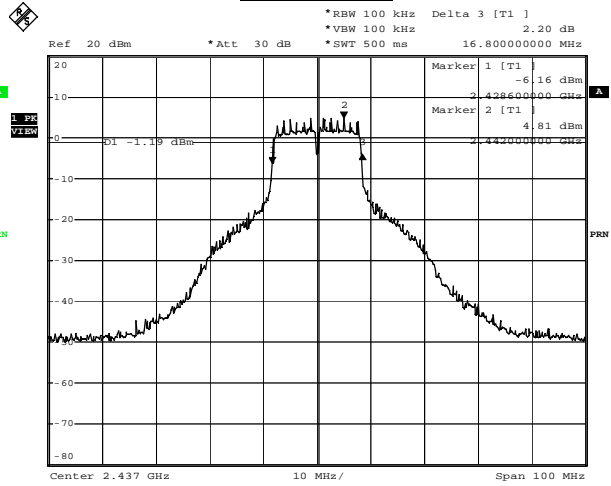
IEEE 802.11g				
Channel No.	Frequency (MHz)	Measure Value (kHz)	Limit (kHz)	Result
1	2412	16800	> 500	Pass
6	2437	16800	> 500	Pass
11	2462	16800	> 500	Pass

Channel 1



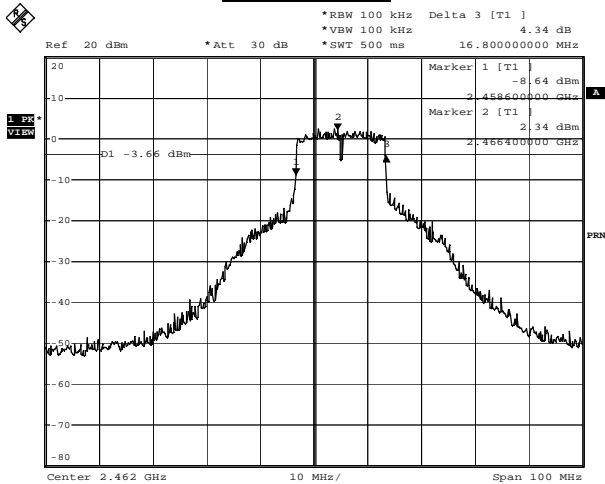
Date: 19.DEC.2006 15:57:27

Channel 6



Date: 27.DEC.2006 14:35:43

Channel 11



Date: 27.DEC.2006 15:26:03

7. Power Density

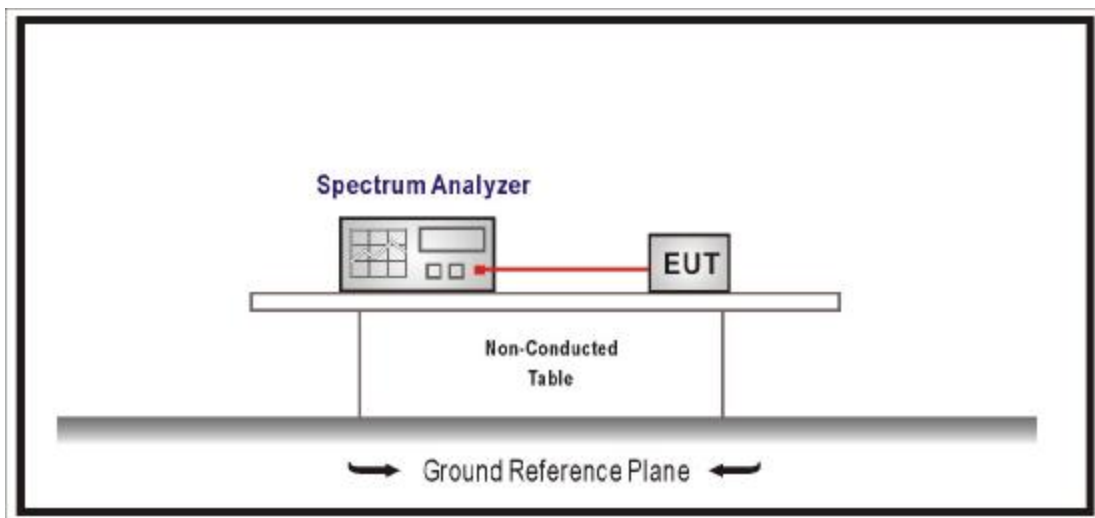
7.1. Test Equipment

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., 2006
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: 2005

7.5. Uncertainty

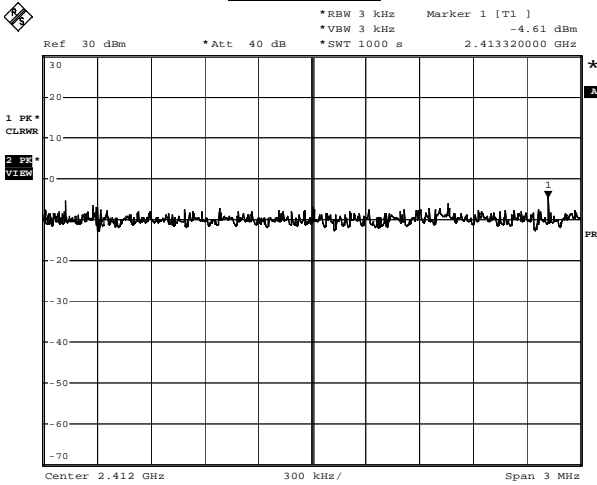
The measurement uncertainty is defined as $\pm 1.27\text{dB}$.

7.6. Test Result

Product	IEEE 802.11g Wireless Router		
Test Item	Power Density		
Test Mode	Mode 1: Transmit		
Date of Test	2006/12/18	Test Site	No.1 OATS

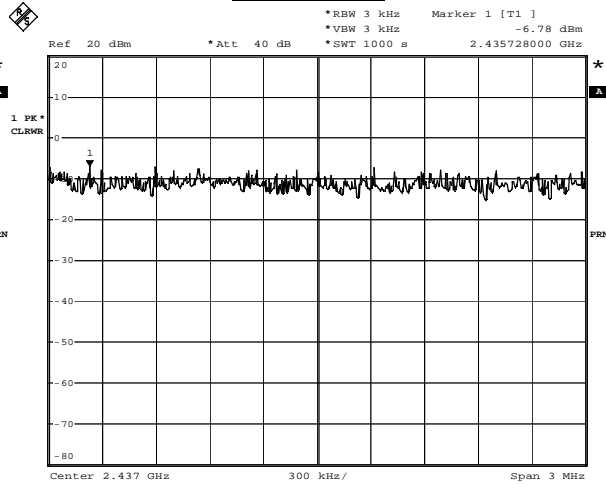
IEEE 802.11b				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
1	2412	-4.61	<8	Pass
6	2437	-6.78	<8	Pass
11	2462	-6.46	<8	Pass

Channel 1



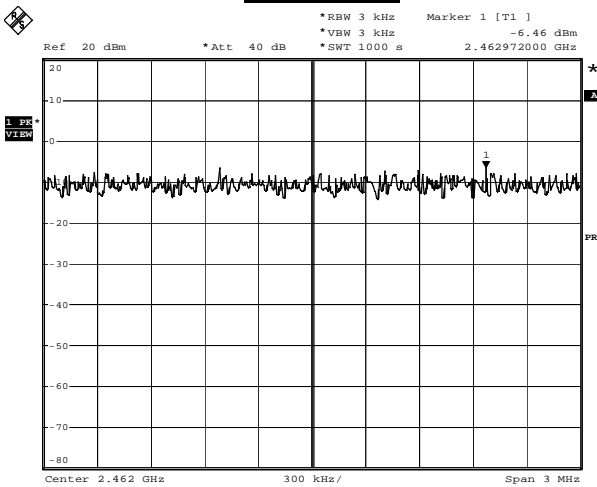
Date: 18.DEC.2006 15:56:13

Channel 6



Date: 18.DEC.2006 16:01:34

Channel 11

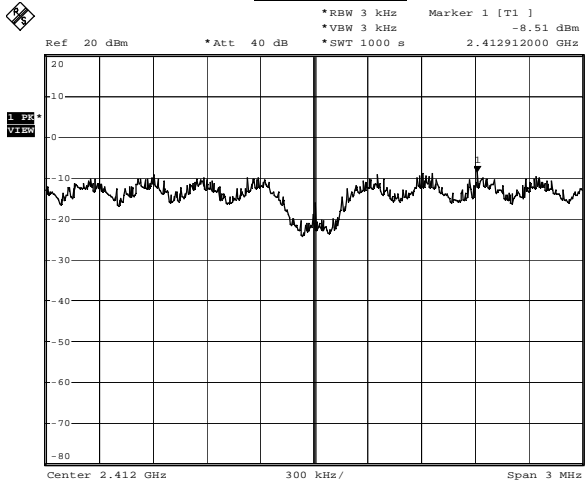


Date: 18.DEC.2006 16:04:32

Product	IEEE 802.11g Wireless Router		
Test Item	Power Density		
Test Mode	Mode 1: Transmit		
Date of Test	2006/12/18	Test Site	No.1 OATS

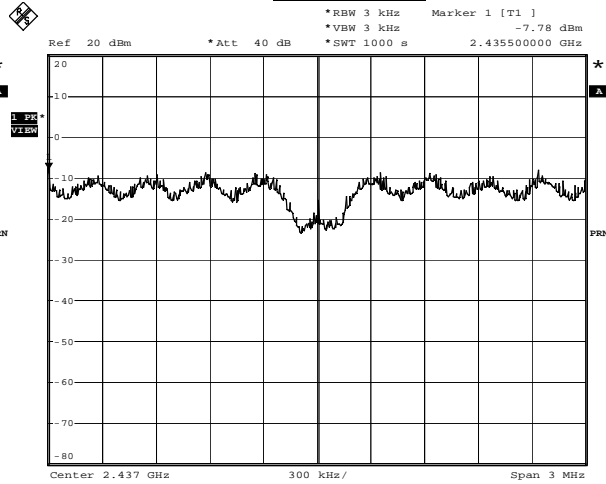
IEEE 802.11g				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
1	2412	-8.51	<8	Pass
6	2437	-7.78	<8	Pass
11	2462	-7.75	<8	Pass

Channel 1



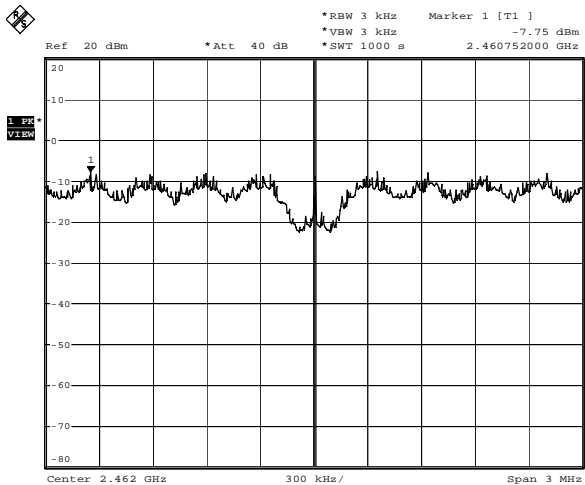
Date: 18.DEC.2006 16:11:30

Channel 6



Date: 18.DEC.2006 16:14:27

Channel 11



Date: 18.DEC.2006 16:21:19