



Test Report

Product Name : 802.11G Wireless Router
Model No. : AR335W
FCC ID. : RRK - AR335W

Applicant : Alpha Networks Inc.
Address : No. 8, Li-Hsin VII Road, Science-Based
Industrial Park, Hsin-Chu, Taiwan, R.O.C.

Date of Receipt : 2006/12/14
Issued Date : 2007/05/09
Report No. : 073H049-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 : 2007/05/09

Report No. : 073H049-RFUSP05V01



Product Name : 802.11G Wireless Router
 Applicant : Alpha Networks Inc.
 Address : No.289, Sinhu 3rd Rd, Neihs District, Taipei 114, Taiwan,
 R.O.C.
 Manufacturer : Alpha Networks Inc.
 Model No. : AR335W
 FCC ID. : RRK - AR335W
 Rated Voltage : AC 120 V / 60 Hz
 EUT Voltage : AC 120 V / 60 Hz
 Trade Name : AirLink101
 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.

Documented By : Carol Tsai
 (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	802.11G Wireless Router
Trade Name	AirLink101
Model No.	AR335W
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	AMIGO, AM-1200800D I/P: AC 120V, 60Hz, 30W O/P: DC 12V, 800mA Cable Out: Non-Shielded, 1.8m
Power Adapter	JENTEC, AF 1205-B I/P: 100~120V, 50-60Hz, 03A O/P: +5V, 2A 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 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 073H049-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:

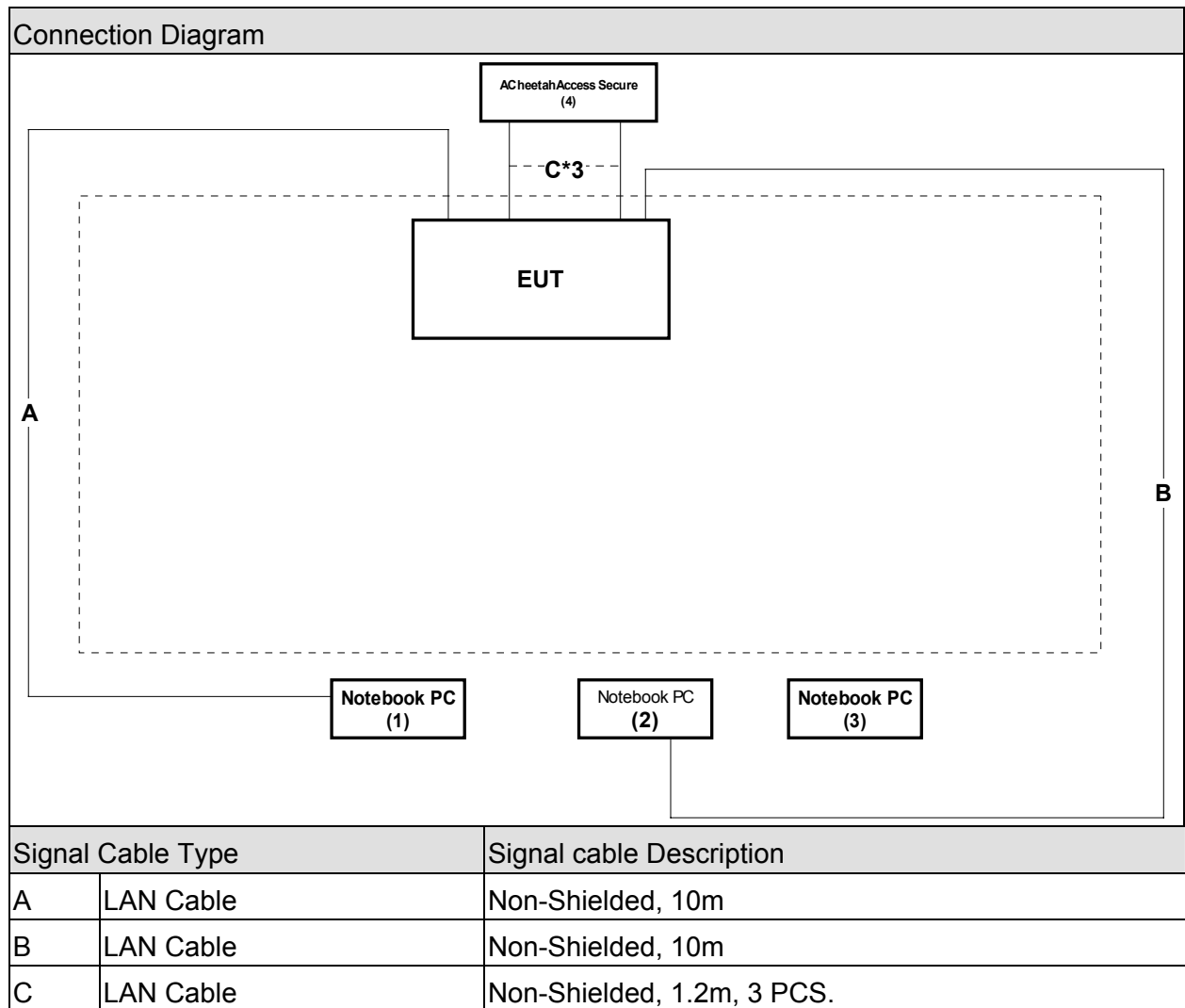
Pre-Test Mode	
EMI	Mode 1: Transmit (AM-1200800D)
	Mode 2: Transmit (AF 1205-B)
Final Test Mode	
TX	Mode 1: Transmit (AM-1200800D)
	Mode 2: Transmit (AF 1205-B)

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	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 600	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

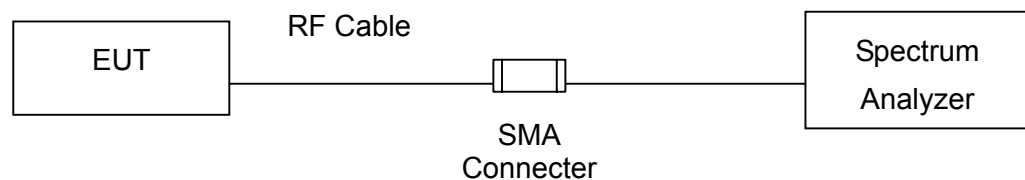
2.1. Test Equipment

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

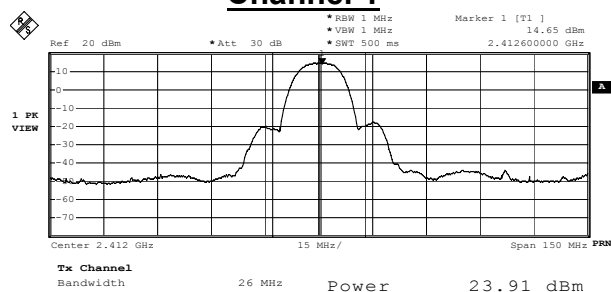
The measurement uncertainty is defined as ± 1.27 dB.

2.6. Test Result

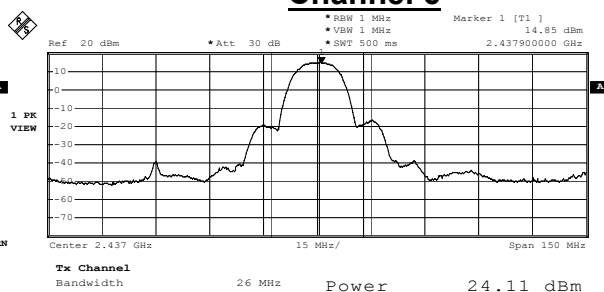
Product	802.11G Wireless Router		
Test Item	Peak Power Output		
Test Mode	Mode 1: Transmit (AM-1200800D)		
Date of Test	2006/12/14	Test Site	No.1 OATS

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

Channel 1



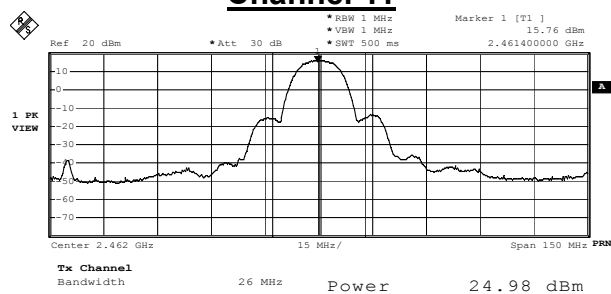
Channel 6



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

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

Channel 11

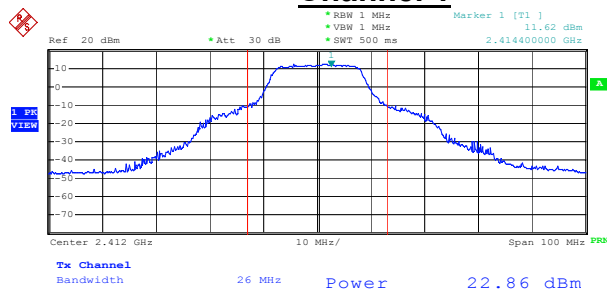


Date: 14.DEC.2006 13:53:43

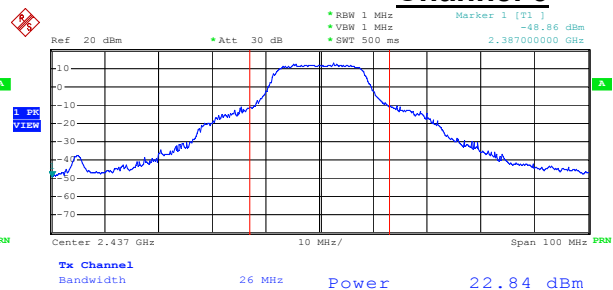
Product	802.11G Wireless Router		
Test Item	Peak Power Output		
Test Mode	Mode 1: Transmit (AM-1200800D)		
Date of Test	2007/01/16	Test Site	No.1 OATS

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



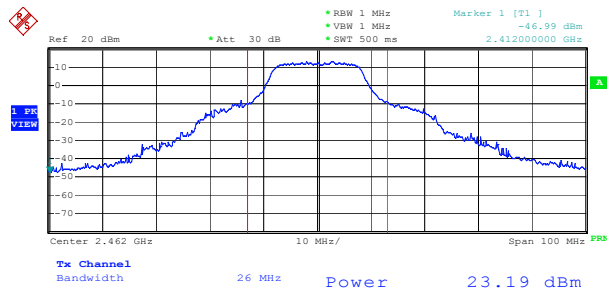
Channel 6



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

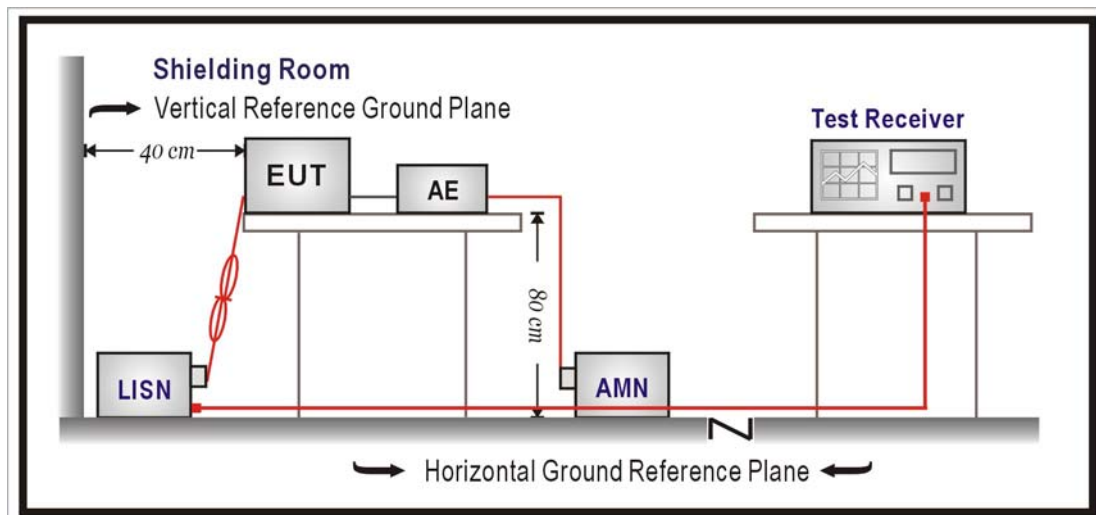
The following test equipment are used during the test:

Conducted Emission / SR3

Instrument	Manufacturer	Type No.	Serial No	Cal. Date
4-Wire ISN	R & S	ENY 41	837032/001	2007/04/15
Double 2-Wire ISN	R & S	ENY 22	835354/008	2007/04/15
LISN	R&S	ESH3-Z5	836679/022	2006/06/17
LISN	R & S	ESH3-Z5	836679/013	2006/12/30
Pulse Limiter	R & S	ESH3-Z2	100411	2006/11/16
Test Receiver	R & S	ESCS 30	100149	2006/11/15

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 invested over the frequency range from 0.15MHz to 30MHz using a receiver bandwidth of 9kHz.

3.5. Test Specification

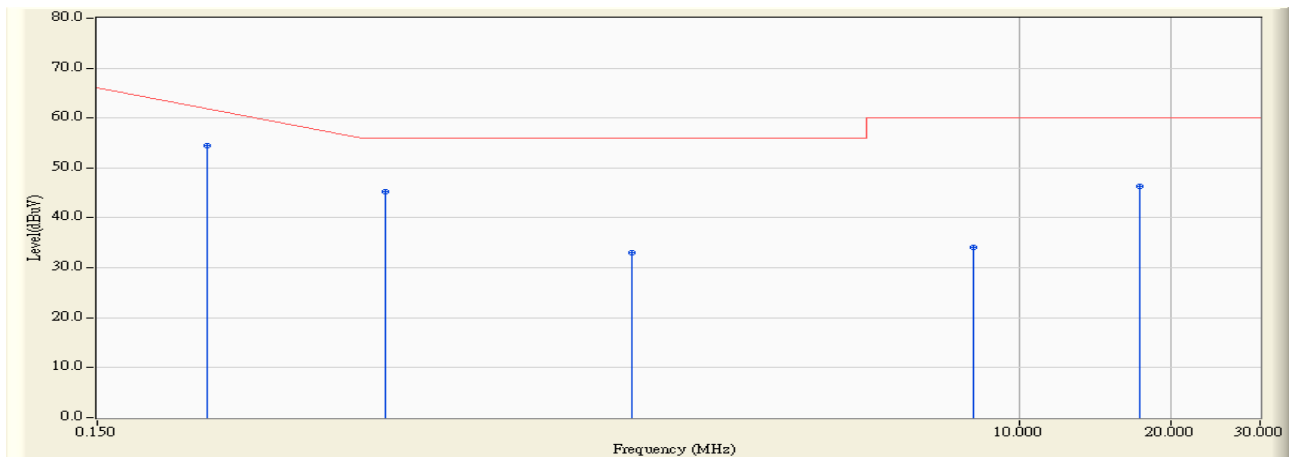
According to FCC Part 15 Subpart C Paragraph 15.207: 2005

3.6. Uncertainty

The measurement uncertainty is defined as ± 2.26 dB.

3.7. Test Result

Site : QuieTek Shielding Room3	Time : 2007/03/27 - 17:11
Limit : CISPR_B_00M_QP	Margin : 0
EUT : 802.11G Wireless Router	Probe : SR3_LISN(16A) - Line1
Power : AC 120V/ 60Hz	Note : Mode 1: Transmit (AM-1200800D)-B

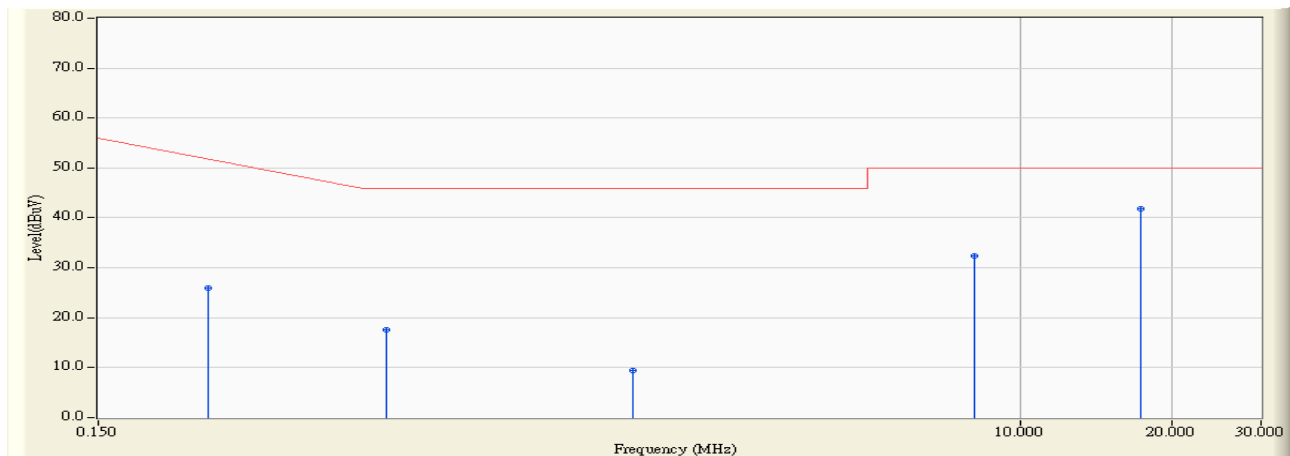


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1	*	0.247	0.160	54.330	54.490	-8.739	63.229	QUASIPeAK
2		0.556	0.210	45.030	45.240	-10.760	56.000	QUASIPeAK
3		1.709	0.340	32.700	33.040	-22.960	56.000	QUASIPeAK
4		8.124	0.640	33.540	34.180	-25.820	60.000	QUASIPeAK
5		17.305	0.930	45.500	46.430	-13.570	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 Room3	Time : 2007/03/27 - 17:11
Limit : CISPR_B_00M_AV	Margin : 0
EUT : 802.11G Wireless Router	Probe : SR3_LISN(16A) - Line1
Power : AC 120V/ 60Hz	Note : Mode 1: Transmit (AM-1200800D)-B

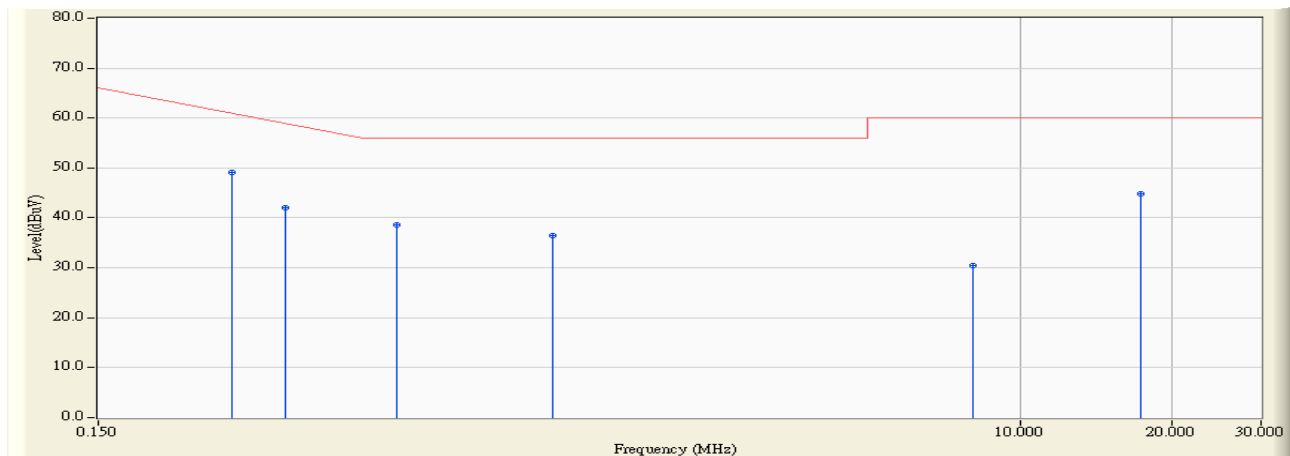


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1		0.247	0.160	25.760	25.920	-27.309	53.229	AVERAGE
2		0.556	0.210	17.270	17.480	-28.520	46.000	AVERAGE
3		1.709	0.340	9.000	9.340	-36.660	46.000	AVERAGE
4		8.124	0.640	31.780	32.420	-17.580	50.000	AVERAGE
5	*	17.305	0.930	40.900	41.830	-8.170	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 Room3	Time : 2007/03/27 - 17:17
Limit : CISPR_B_00M_QP	Margin : 0
EUT : 802.11G Wireless Router	Probe : SR3_LISN(16A) - Line2
Power : AC 120V/ 60Hz	Note : Mode 1: Transmit (AM-1200800D)-B

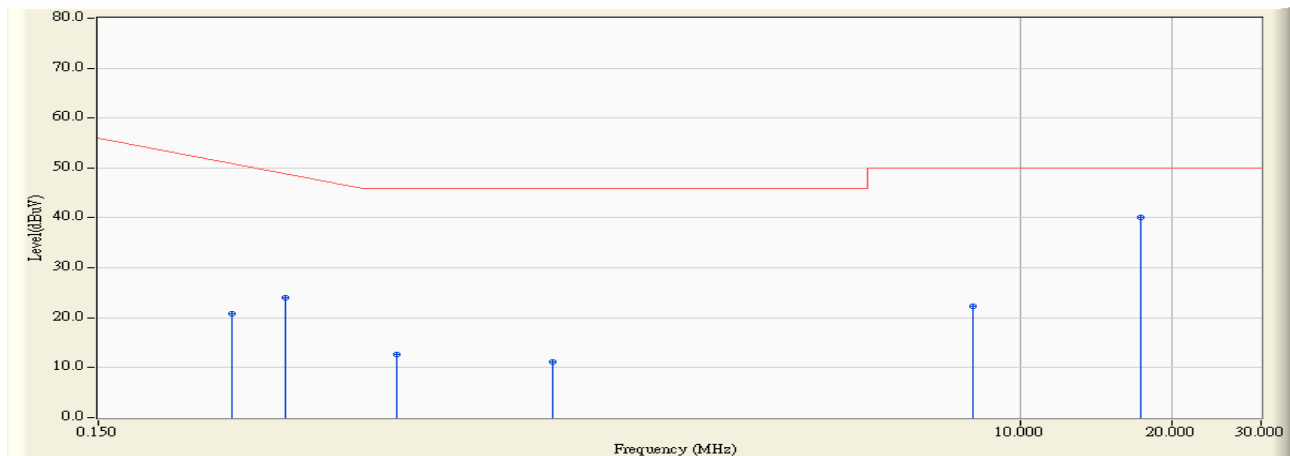


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1	*	0.275	0.169	48.920	49.089	-13.340	62.429	QUASIPeAK
2		0.351	0.190	41.930	42.120	-18.137	60.257	QUASIPeAK
3		0.583	0.210	38.490	38.700	-17.300	56.000	QUASIPeAK
4		1.193	0.260	36.100	36.360	-19.640	56.000	QUASIPeAK
5		8.068	0.570	29.880	30.450	-29.550	60.000	QUASIPeAK
6		17.300	0.880	43.930	44.810	-15.190	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 Room3	Time : 2007/03/27 - 17:17
Limit : CISPR_B_00M_AV	Margin : 0
EUT : 802.11G Wireless Router	Probe : SR3_LISN(16A) - Line2
Power : AC 120V/ 60Hz	Note : Mode 1: Transmit (AM-1200800D)-B

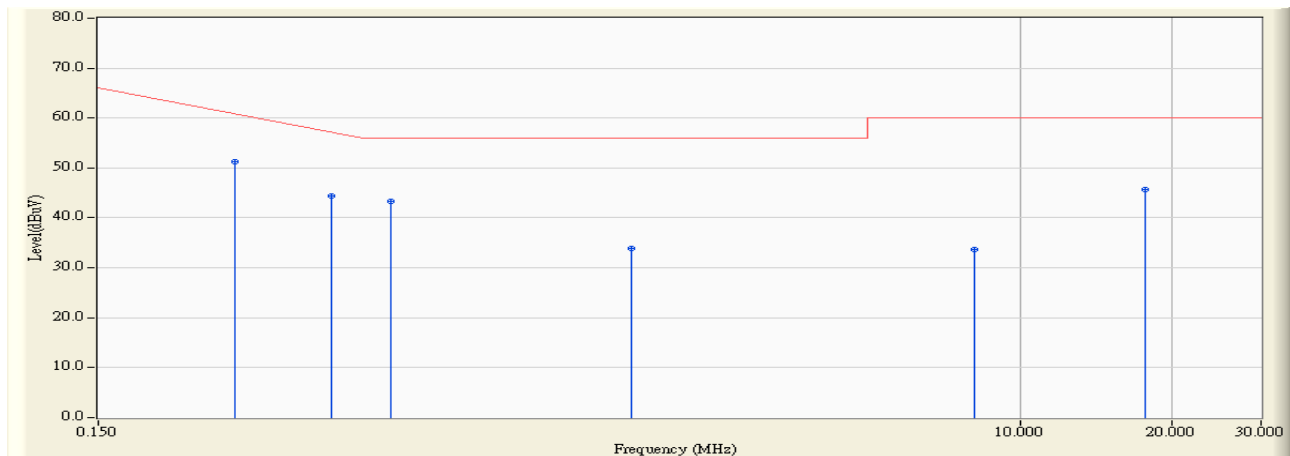


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1		0.275	0.169	20.710	20.879	-31.550	52.429	AVERAGE
2		0.351	0.190	23.930	24.120	-26.137	50.257	AVERAGE
3		0.583	0.210	12.400	12.610	-33.390	46.000	AVERAGE
4		1.193	0.260	10.880	11.140	-34.860	46.000	AVERAGE
5		8.068	0.570	21.740	22.310	-27.690	50.000	AVERAGE
6	*	17.300	0.880	39.280	40.160	-9.840	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 Room3	Time : 2007/03/27 - 17:53
Limit : CISPR_B_00M_QP	Margin : 0
EUT : 802.11G Wireless Router	Probe : SR3_LISN(16A) - Line1
Power : AC 120V/ 60Hz	Note : Mode 1: Transmit (AM-1200800D)-G

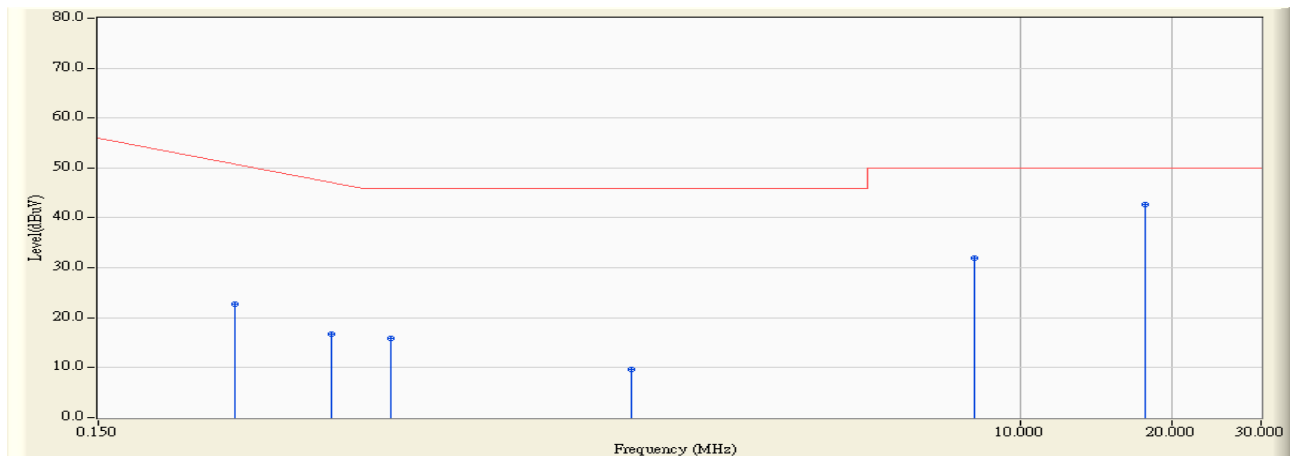


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1	*	0.279	0.170	51.080	51.250	-11.064	62.314	QUASIPeAK
2		0.435	0.200	44.150	44.350	-13.507	57.857	QUASIPeAK
3		0.570	0.210	43.120	43.330	-12.670	56.000	QUASIPeAK
4		1.697	0.340	33.540	33.880	-22.120	56.000	QUASIPeAK
5		8.117	0.640	33.100	33.740	-26.260	60.000	QUASIPeAK
6		17.650	0.940	44.730	45.670	-14.330	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 Room3	Time : 2007/03/27 - 17:53
Limit : CISPR_B_00M_AV	Margin : 0
EUT : 802.11G Wireless Router	Probe : SR3_LISN(16A) - Line1
Power : AC 120V/ 60Hz	Note : Mode 1: Transmit (AM-1200800D)-G

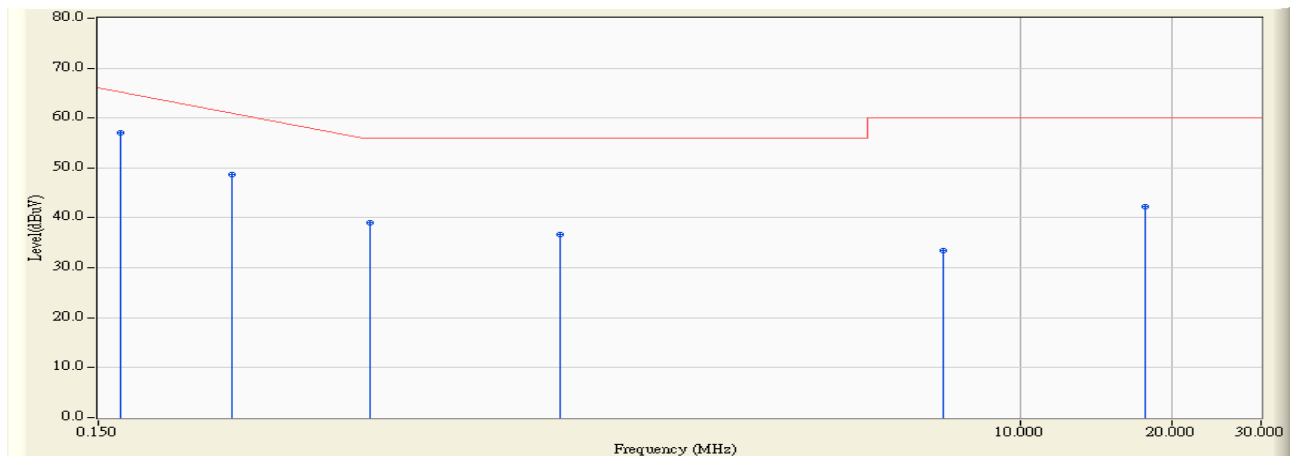


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1		0.279	0.170	22.620	22.790	-29.524	52.314	AVERAGE
2		0.435	0.200	16.540	16.740	-31.117	47.857	AVERAGE
3		0.570	0.210	15.660	15.870	-30.130	46.000	AVERAGE
4		1.697	0.340	9.400	9.740	-36.260	46.000	AVERAGE
5		8.117	0.640	31.350	31.990	-18.010	50.000	AVERAGE
6	*	17.650	0.940	41.800	42.740	-7.260	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 Room3	Time : 2007/03/27 - 17:58
Limit : CISPR_B_00M_QP	Margin : 0
EUT : 802.11G Wireless Router	Probe : SR3_LISN(16A) - Line2
Power : AC 120V/ 60Hz	Note : Mode 1: Transmit (AM-1200800D)-G

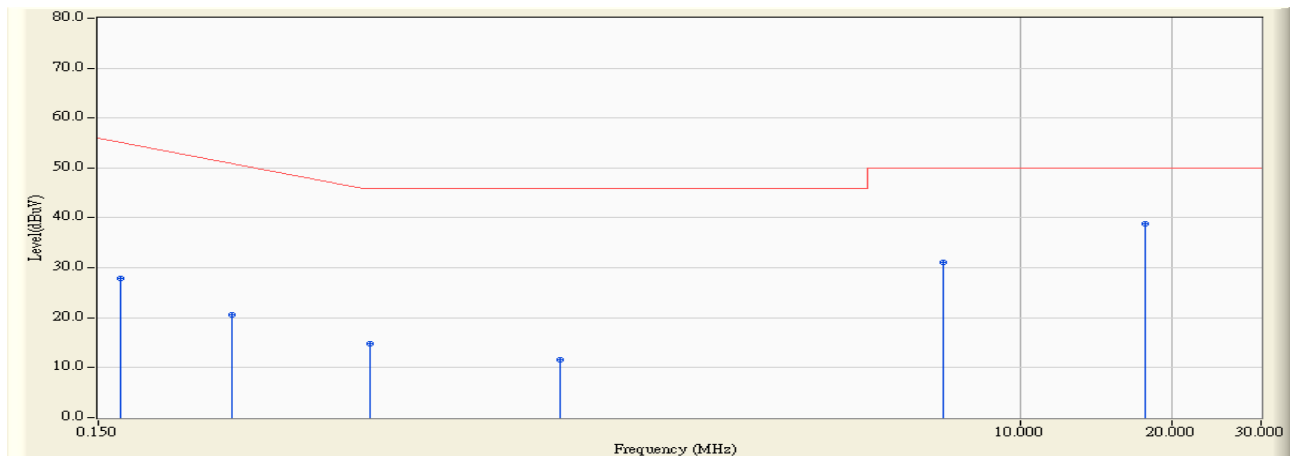


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1	*	0.166	0.142	56.950	57.092	-8.451	65.543	QUASIPeAK
2		0.275	0.169	48.560	48.729	-13.700	62.429	QUASIPeAK
3		0.517	0.210	38.730	38.940	-17.060	56.000	QUASIPeAK
4		1.232	0.270	36.390	36.660	-19.340	56.000	QUASIPeAK
5		7.055	0.540	32.910	33.450	-26.550	60.000	QUASIPeAK
6		17.641	0.890	41.260	42.150	-17.850	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 Room3	Time : 2007/03/27 - 17:58
Limit : CISPR_B_00M_AV	Margin : 0
EUT : 802.11G Wireless Router	Probe : SR3_LISN(16A) - Line2
Power : AC 120V/ 60Hz	Note : Mode 1: Transmit (AM-1200800D)-G

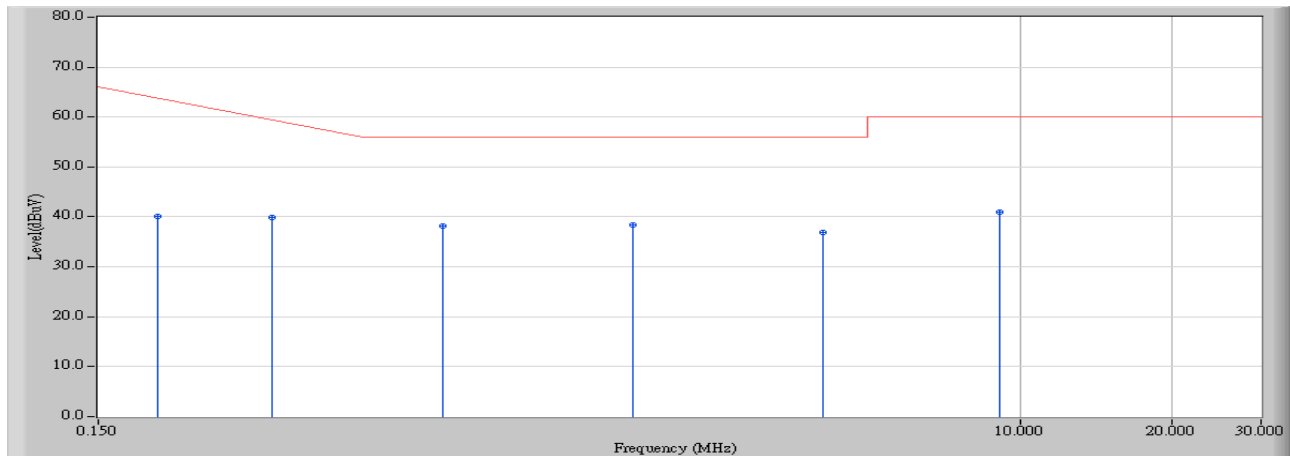


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1		0.166	0.142	27.680	27.822	-27.721	55.543	AVERAGE
2		0.275	0.169	20.460	20.629	-31.800	52.429	AVERAGE
3		0.517	0.210	14.660	14.870	-31.130	46.000	AVERAGE
4		1.232	0.270	11.210	11.480	-34.520	46.000	AVERAGE
5		7.055	0.540	30.600	31.140	-18.860	50.000	AVERAGE
6	*	17.641	0.890	37.900	38.790	-11.210	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 : 2007/04/24 - 14:03
Limit : CISPR_B_00M_QP	Margin : 0
EUT : 802.11G Wireless Router	Probe : QTK-LISN-SR2 - Line1
Power : AC 120V/ 60Hz	Note : Mode 2: Transmit (AF 1205-B)-B

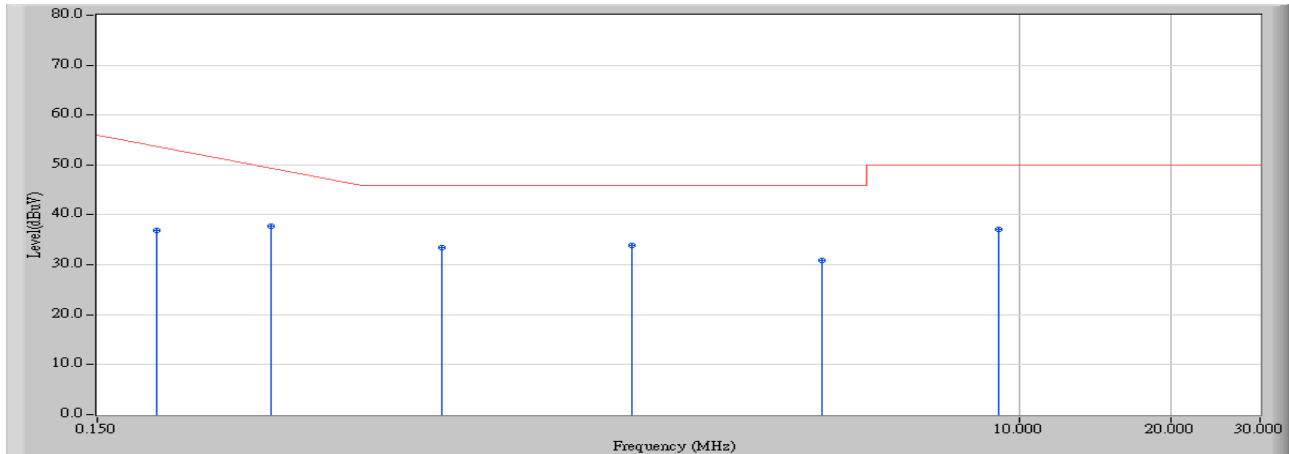


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1		0.197	0.200	39.990	40.190	-24.467	64.657	QUASIPeAK
2		0.330	0.200	39.770	39.970	-20.887	60.857	QUASIPeAK
3		0.722	0.210	37.940	38.150	-17.850	56.000	QUASIPeAK
4	*	1.710	0.290	38.140	38.430	-17.570	56.000	QUASIPeAK
5		4.074	0.350	36.570	36.920	-19.080	56.000	QUASIPeAK
6		9.127	0.590	40.450	41.040	-18.960	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 : 2007/04/24 - 14:03
Limit : CISPR_B_00M_AV	Margin : 0
EUT : 802.11G Wireless Router	Probe : QTK-LISN-SR2 - Line1
Power : AC 120V/ 60Hz	Note : Mode 2: Transmit (AF 1205-B)-B

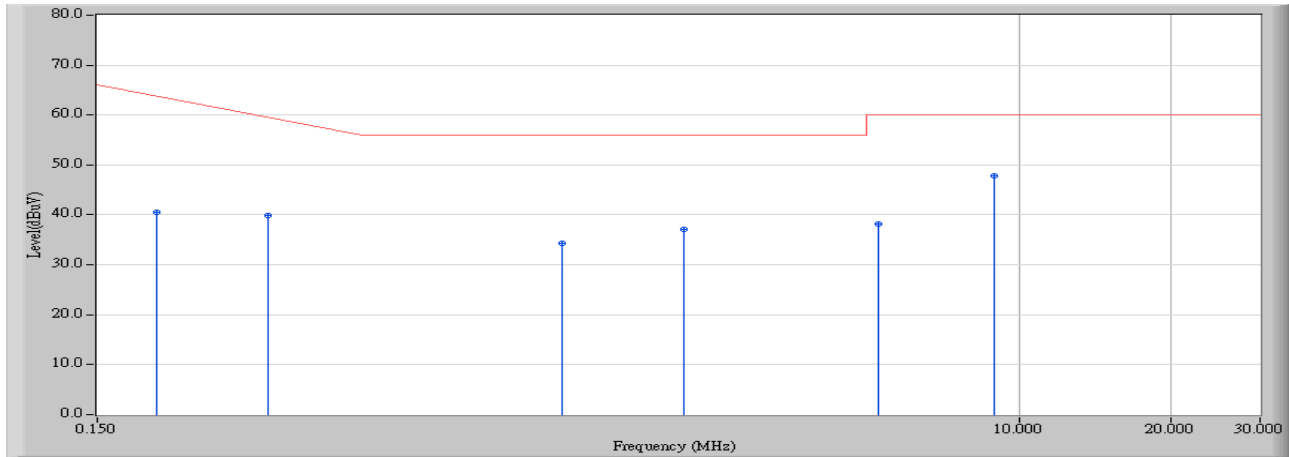


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1		0.197	0.200	36.690	36.890	-17.767	54.657	AVERAGE
2		0.330	0.200	37.620	37.820	-13.037	50.857	AVERAGE
3		0.722	0.210	33.230	33.440	-12.560	46.000	AVERAGE
4	*	1.710	0.290	33.630	33.920	-12.080	46.000	AVERAGE
5		4.074	0.350	30.610	30.960	-15.040	46.000	AVERAGE
6		9.127	0.590	36.590	37.180	-12.820	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 : 2007/04/24 - 14:14
Limit : CISPR_B_00M_QP	Margin : 0
EUT : 802.11G Wireless Router	Probe : QTK-LISN-SR2 - Line2
Power : AC 120V/ 60Hz	Note : Mode 2: Transmit (AF 1205-B)-B

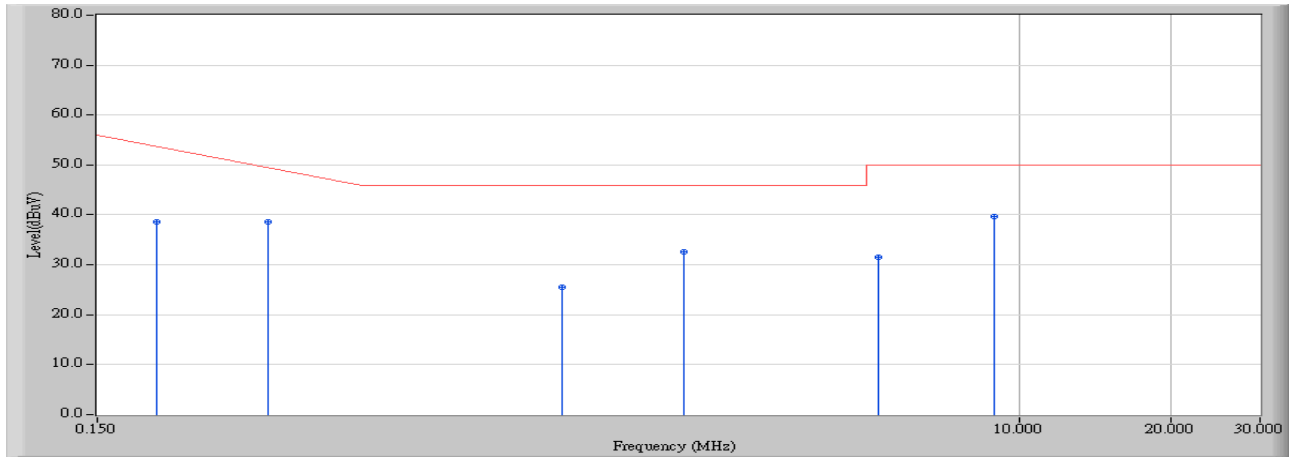


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1		0.197	0.200	40.230	40.430	-24.227	64.657	QUASIPeAK
2		0.326	0.200	39.670	39.870	-21.101	60.971	QUASIPeAK
3		1.251	0.210	34.090	34.300	-21.700	56.000	QUASIPeAK
4		2.165	0.230	36.790	37.020	-18.980	56.000	QUASIPeAK
5		5.255	0.390	37.790	38.180	-21.820	60.000	QUASIPeAK
6	*	8.934	0.500	47.360	47.860	-12.140	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 : 2007/04/24 - 14:14
Limit : CISPR_B_00M_AV	Margin : 0
EUT : 802.11G Wireless Router	Probe : QTK-LISN-SR2 - Line2
Power : AC 120V/ 60Hz	Note : Mode 2: Transmit (AF 1205-B)-B

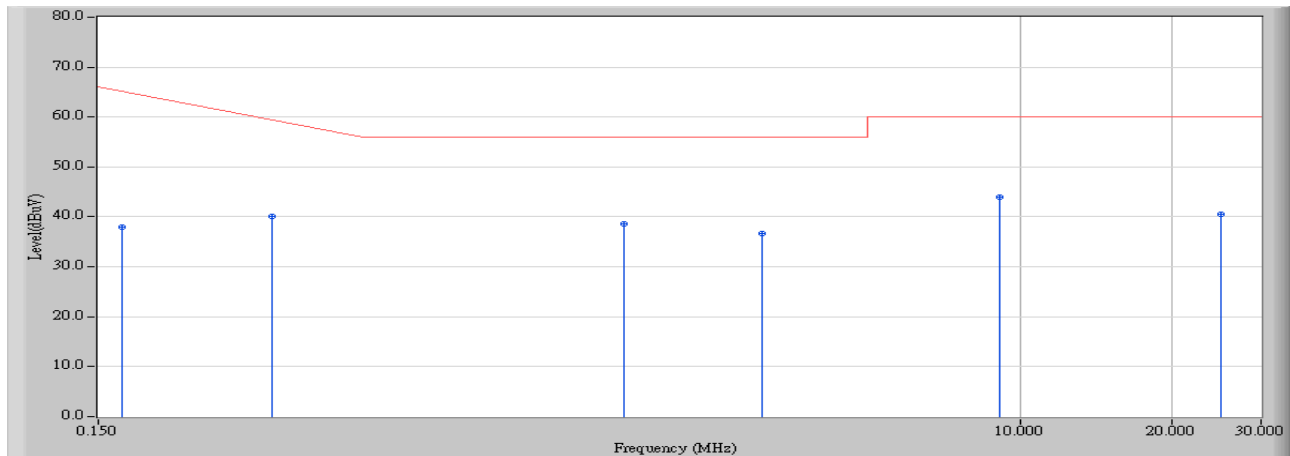


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1		0.197	0.200	38.330	38.530	-16.127	54.657	AVERAGE
2		0.326	0.200	38.350	38.550	-12.421	50.971	AVERAGE
3		1.251	0.210	25.320	25.530	-20.470	46.000	AVERAGE
4		2.165	0.230	32.350	32.580	-13.420	46.000	AVERAGE
5		5.255	0.390	31.190	31.580	-18.420	50.000	AVERAGE
6	*	8.934	0.500	39.270	39.770	-10.230	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.

Site : QuieTek Shielding Room 2	Time : 2007/04/24 - 14:42
Limit : CISPR_B_00M_QP	Margin : 0
EUT : 802.11G Wireless Router	Probe : QTK-LISN-SR2 - Line1
Power : AC 120V/ 60Hz	Note : Mode 2: Transmit (AF 1205-B)-G

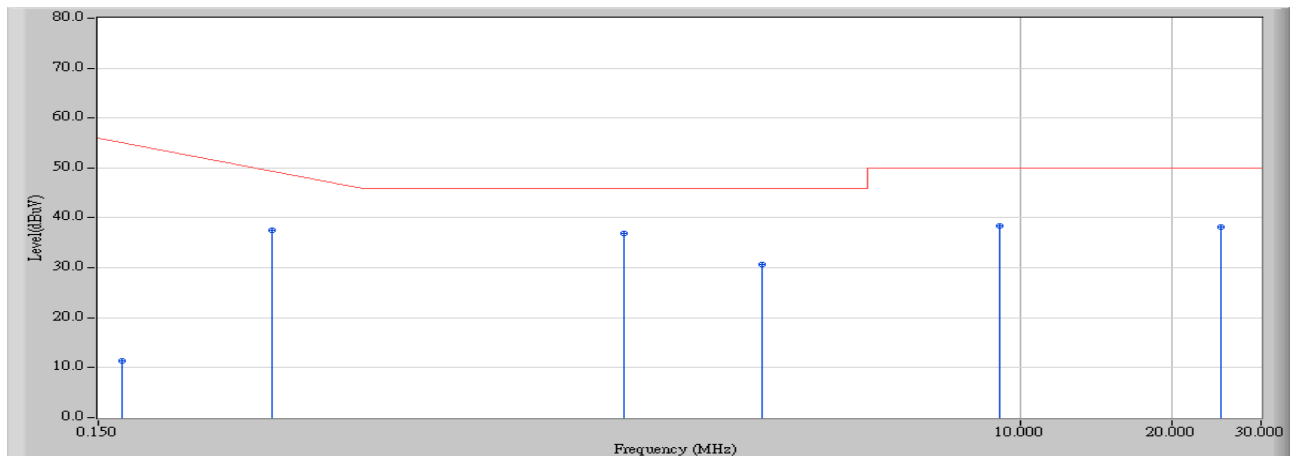


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1		0.167	0.200	37.760	37.960	-27.554	65.514	QUASIPeAK
2		0.330	0.200	39.850	40.050	-20.807	60.857	QUASIPeAK
3		1.642	0.284	38.250	38.534	-17.466	56.000	QUASIPeAK
4		3.086	0.340	36.360	36.700	-19.300	56.000	QUASIPeAK
5	*	9.130	0.590	43.330	43.920	-16.080	60.000	QUASIPeAK
6		25.029	1.330	39.230	40.560	-19.440	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 : 2007/04/24 - 14:42
Limit : CISPR_B_00M_AV	Margin : 0
EUT : 802.11G Wireless Router	Probe : QTK-LISN-SR2 – Line1
Power : AC 120V/ 60Hz	Note : Mode 2: Transmit (AF 1205-B)-G

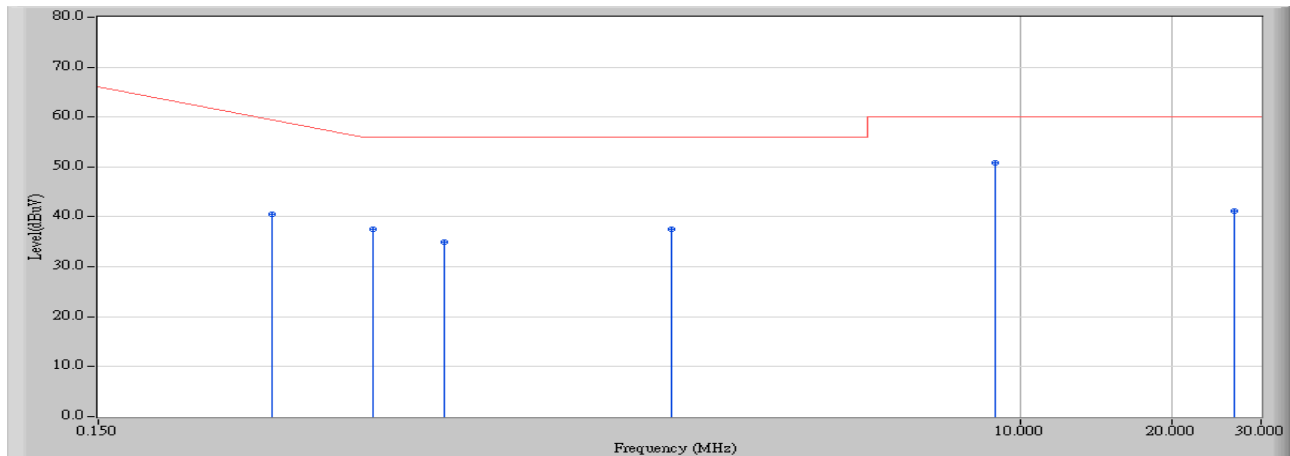


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1		0.167	0.200	11.130	11.330	-44.184	55.514	AVERAGE
2		0.330	0.200	37.390	37.590	-13.267	50.857	AVERAGE
3	*	1.642	0.284	36.700	36.984	-9.016	46.000	AVERAGE
4		3.086	0.340	30.430	30.770	-15.230	46.000	AVERAGE
5		9.130	0.590	37.740	38.330	-11.670	50.000	AVERAGE
6		25.029	1.330	36.820	38.150	-11.850	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.

Site : QuieTek Shielding Room 2	Time : 2007/04/24 - 14:54
Limit : CISPR_B_00M_QP	Margin : 0
EUT : 802.11G Wireless Router	Probe : QTK-LISN-SR2 – Line2
Power : AC 120V/ 60Hz	Note : Mode 2: Transmit (AF 1205-B)-G

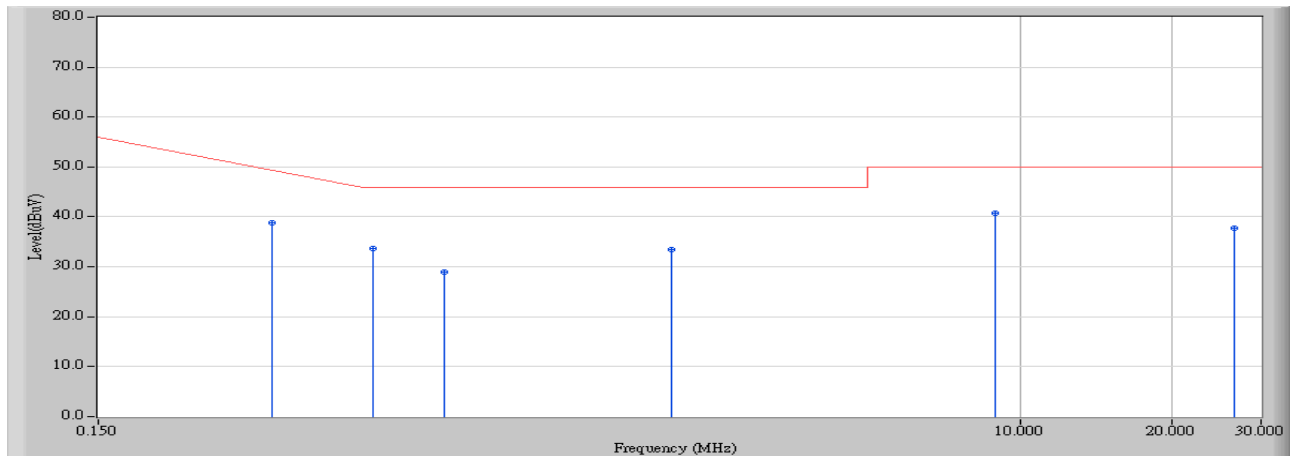


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1		0.330	0.200	40.280	40.480	-20.377	60.857	QUASIPeAK
2		0.524	0.210	37.280	37.490	-18.510	56.000	QUASIPeAK
3		0.724	0.210	34.650	34.860	-21.140	56.000	QUASIPeAK
4		2.038	0.320	37.310	37.630	-18.370	56.000	QUASIPeAK
5	*	8.938	0.580	50.160	50.740	-9.260	60.000	QUASIPeAK
6		26.607	1.350	39.740	41.090	-18.910	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 : 2007/04/24 - 14:54
Limit : CISPR_B_00M_AV	Margin : 0
EUT : 802.11G Wireless Router	Probe : QTK-LISN-SR2 – Line2
Power : AC 120V/ 60Hz	Note : Mode 2: Transmit (AF 1205-B)-G



		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1		0.330	0.200	38.710	38.910	-11.947	50.857	AVERAGE
2		0.524	0.210	33.380	33.590	-12.410	46.000	AVERAGE
3		0.724	0.210	28.700	28.910	-17.090	46.000	AVERAGE
4		2.038	0.320	33.120	33.440	-12.560	46.000	AVERAGE
5	*	8.938	0.580	40.080	40.660	-9.340	50.000	AVERAGE
6		26.607	1.350	36.500	37.850	-12.150	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:

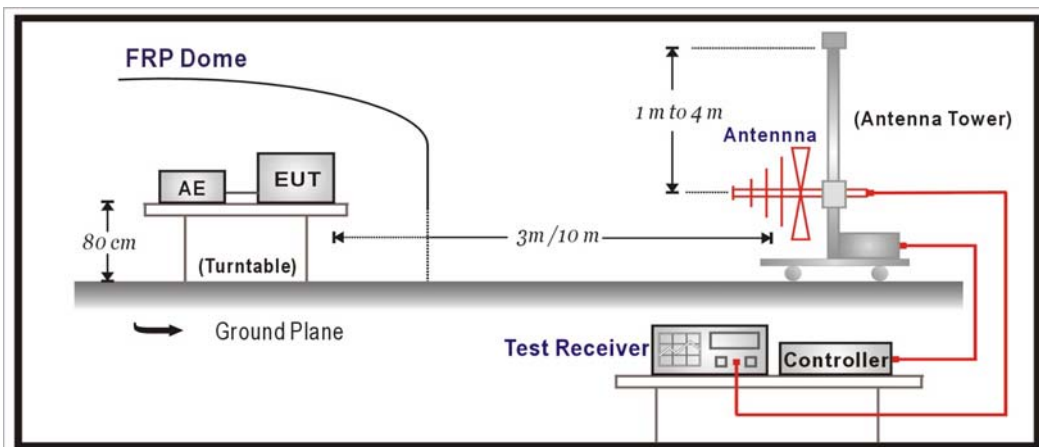
Radiated Emission / Site1

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

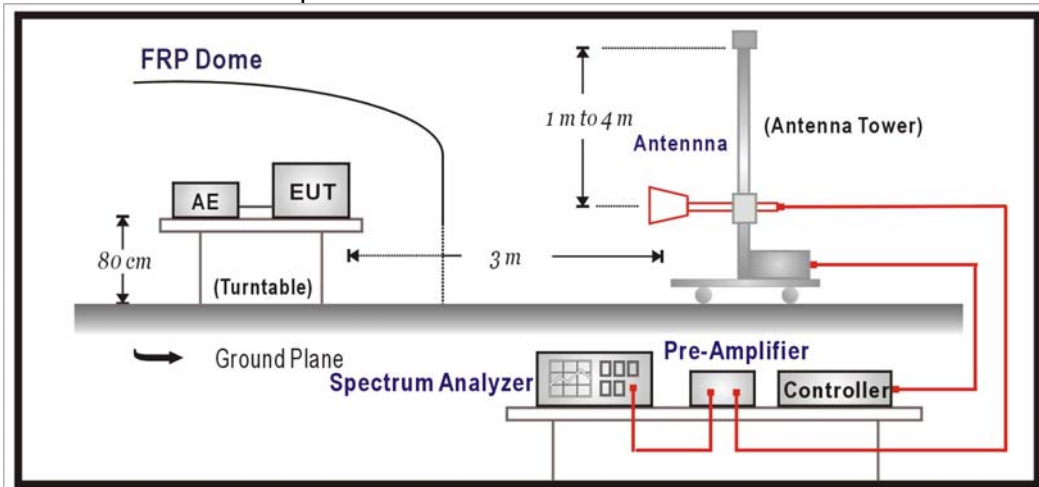
Note: 1. All equipments that need to calibrate are with calibration period of 1 year.
2. "N/A" Ca1.Date is used to Pre-test, not final test.

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

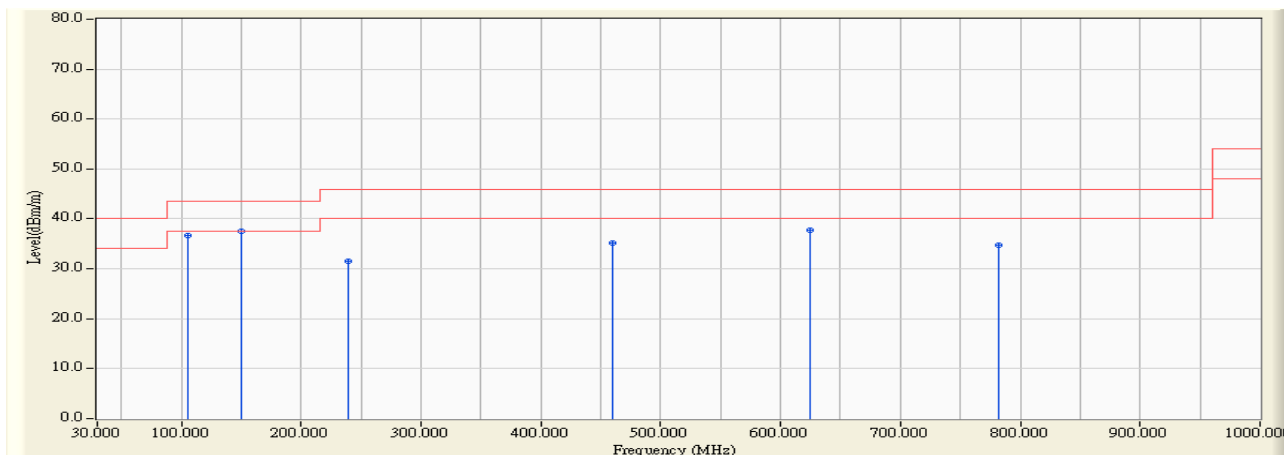
According to FCC Part 15 Subpart C Paragraph 15.247: 2005

4.6. Uncertainty

The measurement uncertainty
 30MHz~1GHz as $\pm 3.19\text{dB}$
 1GHz~26.5GHz as $\pm 3.9\text{dB}$

4.7. Test Result

Site : Site 1	Time : 2007/04/13 - 19:18
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 : Mode 1: Transmit (AM-1200800D)-B

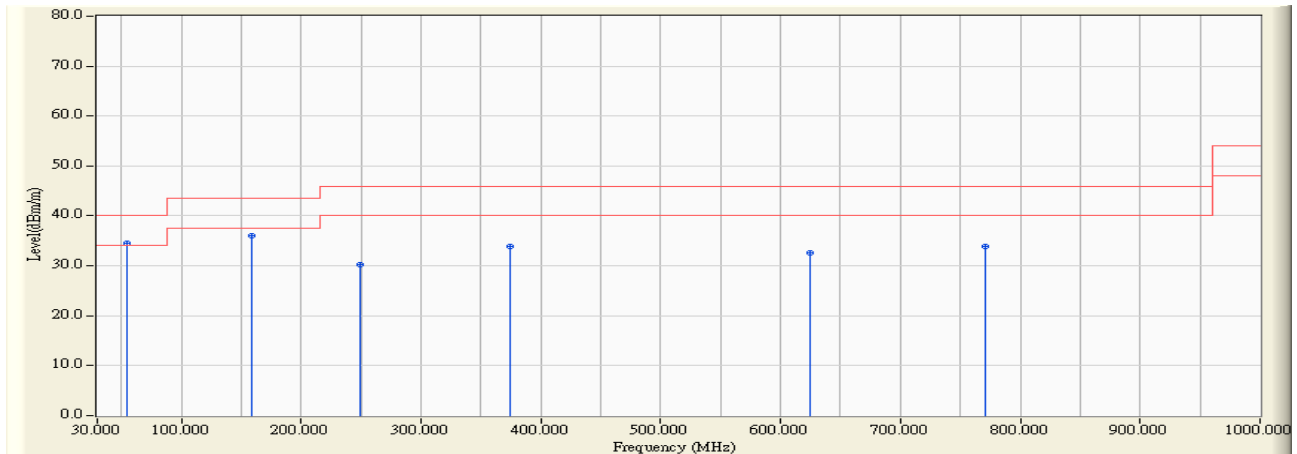


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBm)	Measure Level (dBm/m)	Margin (dB)	Limit (dBm/m)	Detector Type	Ant Pos (cm)	Table Pos (deg)
1		105.812	-8.445	45.060	36.616	-6.884	43.500	QUASIPeAK	0.000	0.000
2	*	150.521	-13.780	51.406	37.626	-5.874	43.500	QUASIPeAK	0.000	0.000
3		239.940	-9.854	41.341	31.487	-14.513	46.000	QUASIPeAK	0.000	0.000
4		459.599	0.662	34.408	35.070	-10.930	46.000	QUASIPeAK	0.000	0.000
5		624.830	1.779	35.896	37.675	-8.325	46.000	QUASIPeAK	0.000	0.000
6		782.285	4.118	30.704	34.822	-11.178	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 : 2007/04/13 - 19:19
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 : Mode 1: Transmit (AM-1200800D)-B

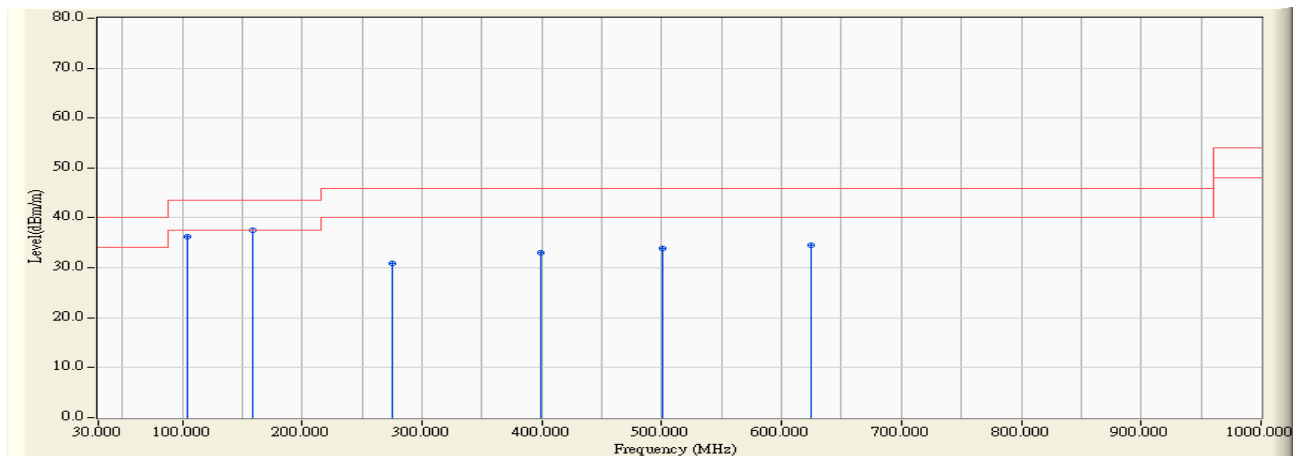


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBm)	Measure Level (dBm/m)	Margin (dB)	Limit (dBm/m)	Detector Type	Ant Pos (cm)	Table Pos (deg)
1	*	55.271	-8.259	42.706	34.447	-5.553	40.000	QUASIPeAK	0.000	0.000
2		158.297	-4.988	41.107	36.118	-7.382	43.500	QUASIPeAK	0.000	0.000
3		249.659	-7.861	38.173	30.313	-15.687	46.000	QUASIPeAK	0.000	0.000
4		374.068	-2.485	36.431	33.946	-12.054	46.000	QUASIPeAK	0.000	0.000
5		624.830	0.623	31.970	32.593	-13.407	46.000	QUASIPeAK	0.000	0.000
6		770.621	5.701	28.213	33.915	-12.085	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 : 2007/04/13 - 19:20
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 : Mode 1: Transmit (AM-1200800D)-G

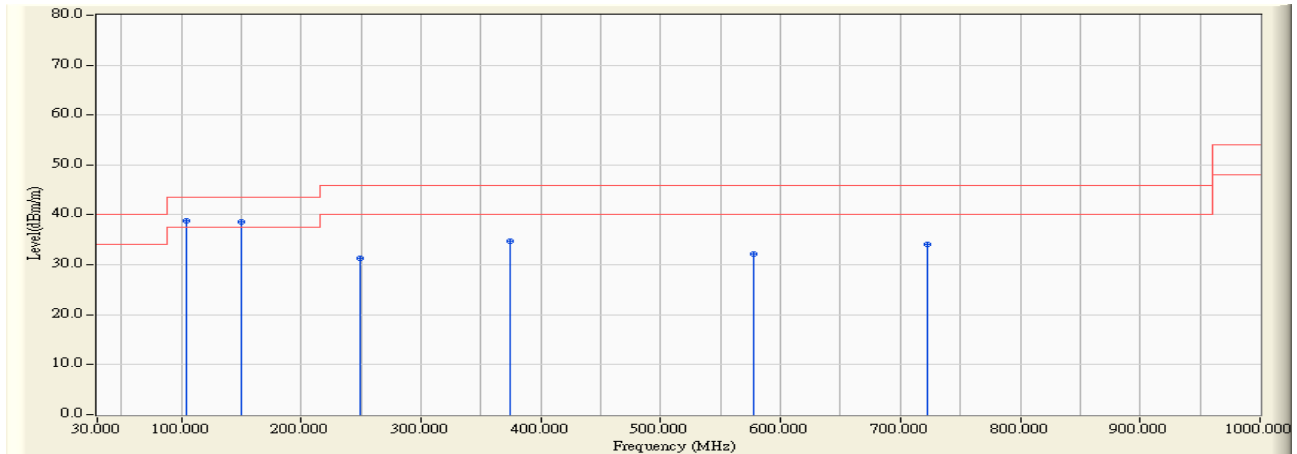


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBm)	Measure Level (dBm/m)	Margin (dB)	Limit (dBm/m)	Detector Type	Ant Pos (cm)	Table Pos (deg)
1		103.868	-8.157	44.411	36.254	-7.246	43.500	QUASIPeAK	0.000	0.000
2	*	158.297	-13.419	50.928	37.509	-5.991	43.500	QUASIPeAK	0.000	0.000
3		274.930	-6.655	37.518	30.863	-15.137	46.000	QUASIPeAK	0.000	0.000
4		399.339	1.121	31.925	33.046	-12.954	46.000	QUASIPeAK	0.000	0.000
5		500.421	-1.989	35.841	33.852	-12.148	46.000	QUASIPeAK	0.000	0.000
6		624.830	1.779	32.841	34.620	-11.380	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 : 2007/04/13 - 19:21
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 : Mode 1: Transmit (AM-1200800D)-G

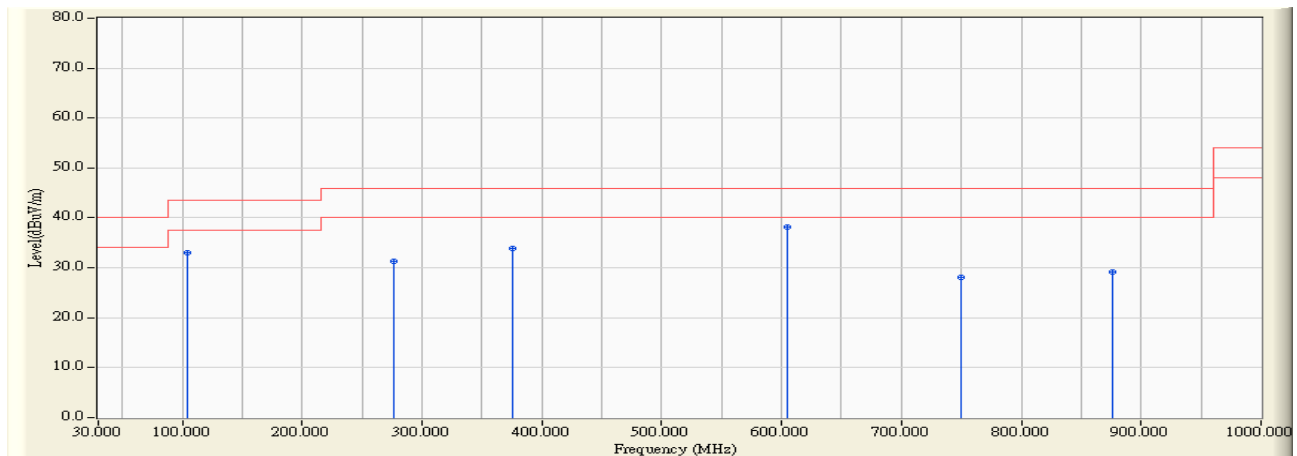


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBm)	Measure Level (dBm/m)	Margin (dB)	Limit (dBm/m)	Detector Type	Ant Pos (cm)	Table Pos (deg)
1	*	103.868	-0.600	39.404	38.804	-4.696	43.500	QUASIPeAK	0.000	0.000
2		150.521	-4.262	42.812	38.550	-4.950	43.500	QUASIPeAK	0.000	0.000
3		249.659	-7.861	39.221	31.361	-14.639	46.000	QUASIPeAK	0.000	0.000
4		374.068	-2.485	37.327	34.842	-11.158	46.000	QUASIPeAK	0.000	0.000
5		578.176	4.216	28.054	32.270	-13.730	46.000	QUASIPeAK	0.000	0.000
6		722.024	3.235	30.900	34.135	-11.865	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 : 2007/05/02 - 09:35
Limit : FCC_CLASS_B_03M_QP	Margin : 6
EUT : 802.11G Wireless Router	Probe : FCC_RF_30-1G(200605) - HORIZONTAL
Power : AC 120V/60Hz	Note : Mode 2: Transmit (AF 1205-B)-B

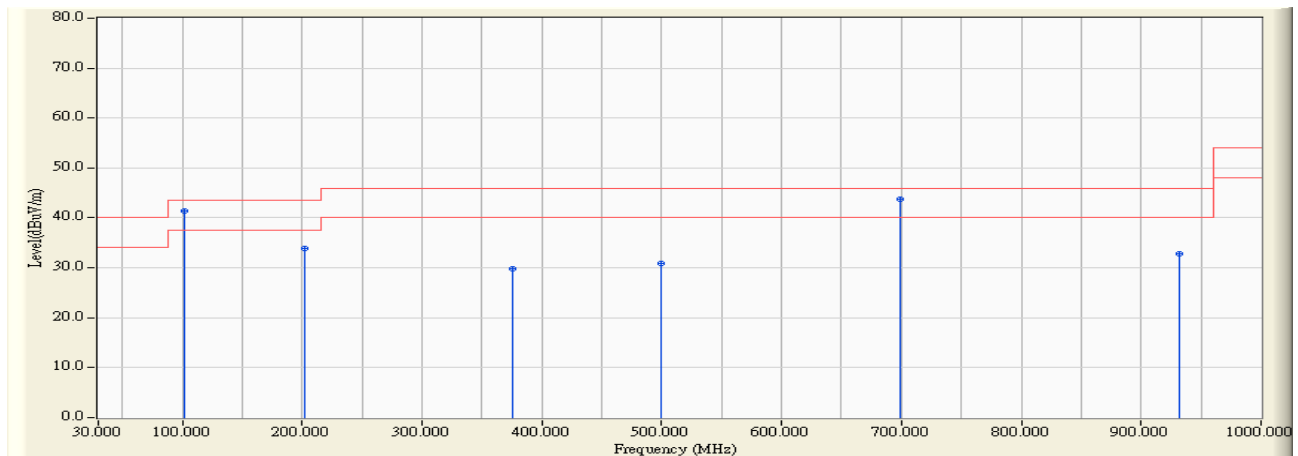


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type	Ant Pos (cm)	Table Pos (deg)
1		103.720	-8.140	41.113	32.973	-10.527	43.500	QUASIPeAK	0.000	0.000
2		276.380	-6.740	38.141	31.401	-14.599	46.000	QUASIPeAK	0.000	0.000
3		375.320	-4.700	38.658	33.958	-12.042	46.000	QUASIPeAK	0.000	0.000
4	*	604.240	3.010	35.062	38.072	-7.928	46.000	QUASIPeAK	0.000	0.000
5		749.740	3.680	24.521	28.201	-17.799	46.000	QUASIPeAK	0.000	0.000
6		875.840	5.370	23.902	29.272	-16.728	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 : 2007/05/02 - 09:35
Limit : FCC_CLASS_B_03M_QP	Margin : 6
EUT : 802.11G Wireless Router	Probe : FCC_RF_30-1G(200605) - VERTICAL
Power : AC 120V/60Hz	Note : Mode 2: Transmit (AF 1205-B)-B

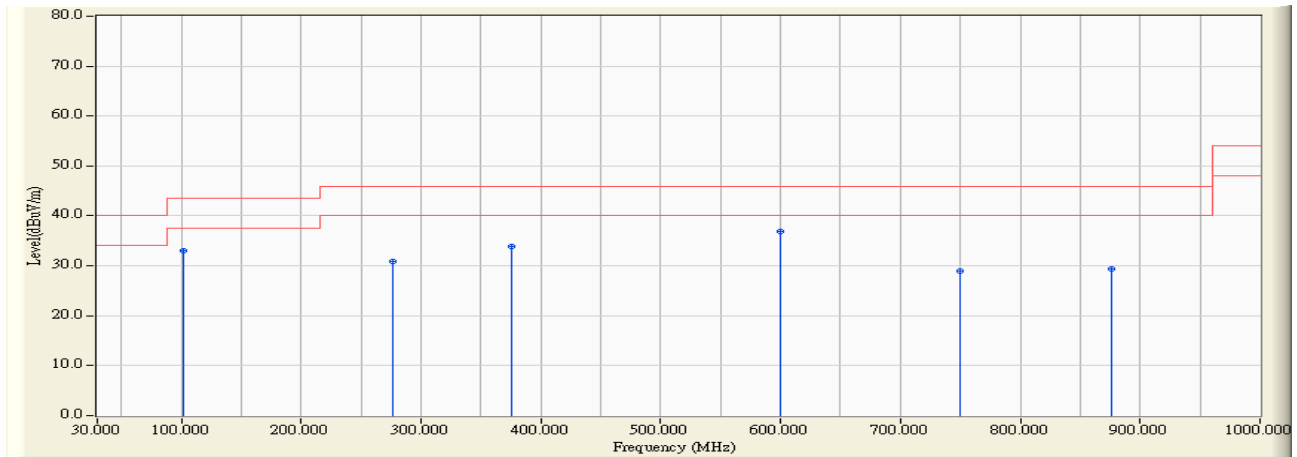


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type	Ant Pos (cm)	Table Pos (deg)
1	*	101.780	-1.320	42.735	41.415	-2.085	43.500	QUASIPeAK	0.000	0.000
2		202.660	-3.070	37.064	33.994	-9.506	43.500	QUASIPeAK	0.000	0.000
3		375.320	-2.310	32.101	29.791	-16.209	46.000	QUASIPeAK	0.000	0.000
4		499.480	-3.190	34.126	30.936	-15.064	46.000	QUASIPeAK	0.000	0.000
5		699.300	0.360	43.384	43.744	-2.256	46.000	QUASIPeAK	0.000	0.000
6		932.100	6.610	26.194	32.804	-13.196	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 : 2007/05/02 - 09:36
Limit : FCC_CLASS_B_03M_QP	Margin : 6
EUT : 802.11G Wireless Router	Probe : FCC_RF_30-1G(200605) - HORIZONTAL
Power : AC 120V/60Hz	Note : Mode 2: Transmit (AF 1205-B)-G

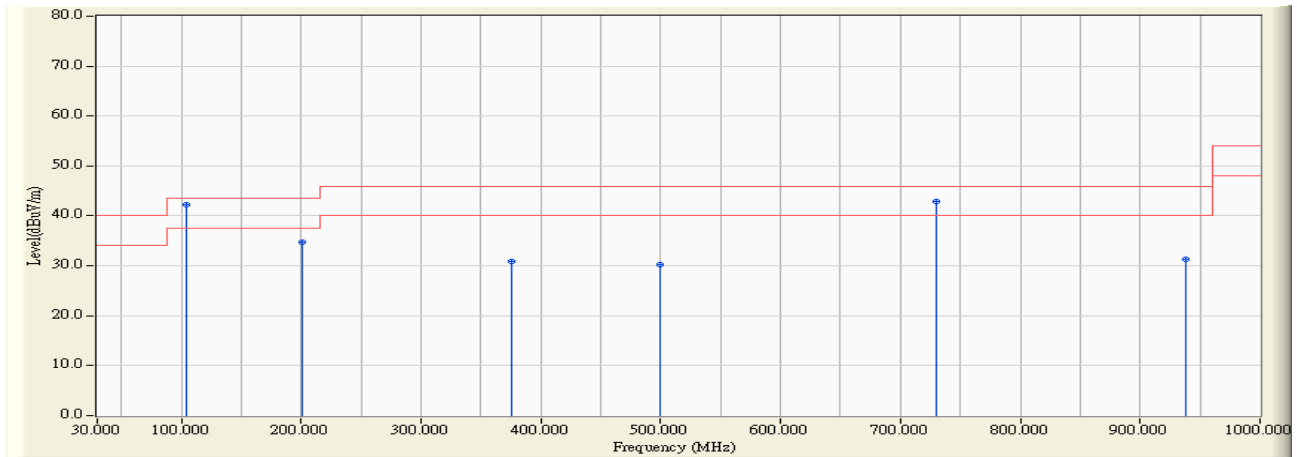


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type	Ant Pos (cm)	Table Pos (deg)
1	101.780	-7.940	41.045	33.105	-10.395	43.500	QUASIPeAK	0.000	0.000
2	276.380	-6.740	37.662	30.922	-15.078	46.000	QUASIPeAK	0.000	0.000
3	375.320	-4.700	38.647	33.947	-12.053	46.000	QUASIPeAK	0.000	0.000
4	* 600.360	2.560	34.411	36.971	-9.029	46.000	QUASIPeAK	0.000	0.000
5	749.740	3.680	25.204	28.884	-17.116	46.000	QUASIPeAK	0.000	0.000
6	875.840	5.370	23.974	29.344	-16.656	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 : 2007/05/02 - 09:37
Limit : FCC_CLASS_B_03M_QP	Margin : 6
EUT : 802.11G Wireless Router	Probe : FCC_RF_30-1G(200605) - VERTICAL
Power : AC 120V/60Hz	Note : Mode 2: Transmit (AF 1205-B)-G

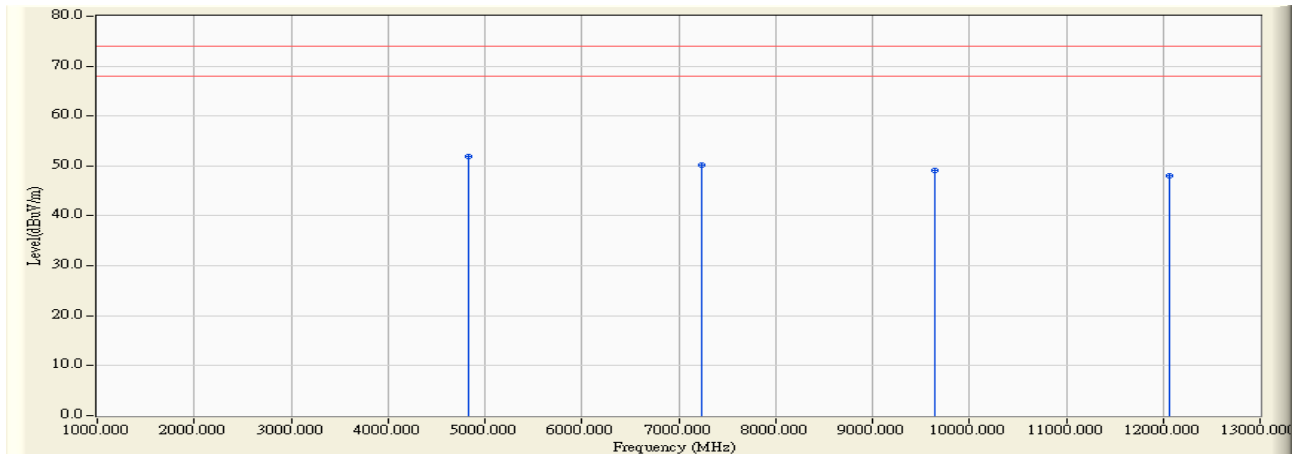


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type	Ant Pos (cm)	Table Pos (deg)
1	*	103.720	-0.650	42.927	42.277	-1.223	43.500	QUASIPeAK	0.000	0.000
2		200.720	-2.930	37.668	34.738	-8.762	43.500	QUASIPeAK	0.000	0.000
3		375.320	-2.310	33.211	30.901	-15.099	46.000	QUASIPeAK	0.000	0.000
4		499.480	-3.190	33.368	30.178	-15.822	46.000	QUASIPeAK	0.000	0.000
5		730.340	2.210	40.773	42.983	-3.017	46.000	QUASIPeAK	0.000	0.000
6		937.920	9.070	22.259	31.329	-14.671	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 :802.11G Wireless Router	Probe : FCC_RF_1G-18G(2005-3) - HORIZONTAL
Power : AC 120V/60Hz	Note : Mode 1: Transmit (AM-1200800D)-CH1-B

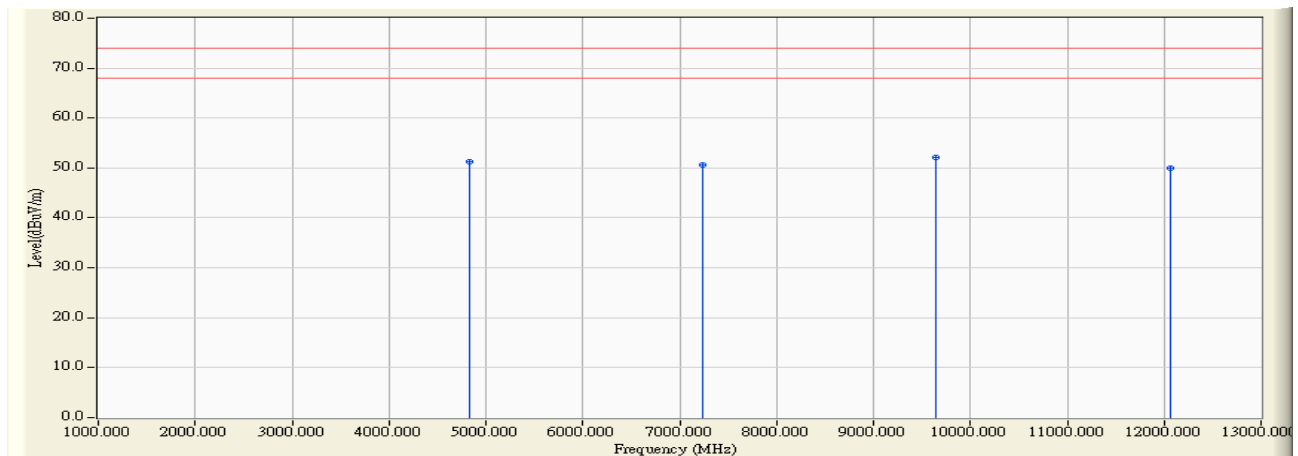


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)
1	*	4824.150	3.733	48.260	51.994	-22.006	74.000	54.00
2		7235.840	8.726	41.380	50.106	-23.894	74.000	54.00
3		9647.960	12.707	36.510	49.217	-24.783	74.000	54.00
4		12059.960	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 : 802.11G Wireless Router	Probe : FCC_RF_1G-18G(2005-3) - VERTICAL
Power : AC 120V/60Hz	Note : Mode 1: Transmit (AM-1200800D)-CH1-B

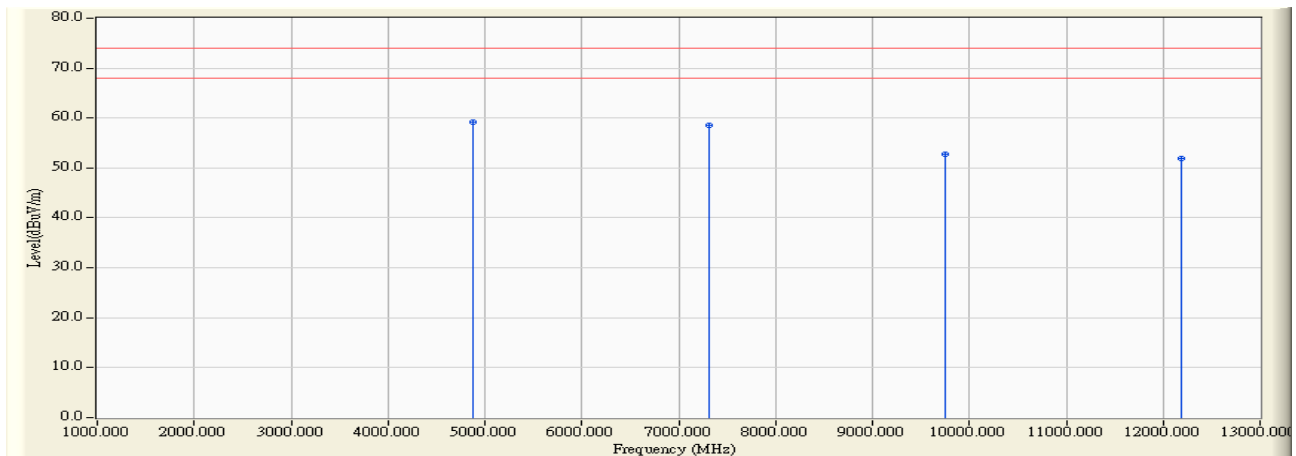


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)
1		4824.150	1.982	49.240	51.222	-22.778	74.000	54.00
2		7238.550	8.729	41.840	50.569	-23.431	74.000	54.00
3	*	9647.800	14.707	37.420	52.127	-21.873	74.000	54.00
4		12060.000	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 : 802.11G Wireless Router	Probe : FCC_RF_1G-18G(2005-3) - HORIZONTAL
Power : AC 120V/60Hz	Note : Mode 1: Transmit (AM-1200800D)-CH6-B

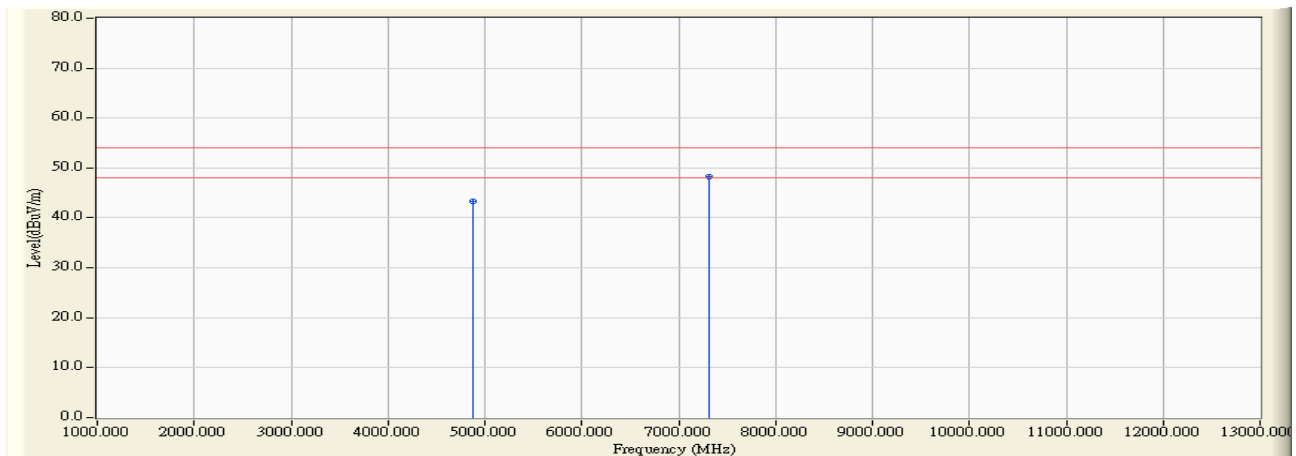


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)
1	*	4871.000	4.067	55.110	59.178	-14.822	74.000	54.00
2		7309.490	8.843	49.700	58.543	-15.457	74.000	54.00
3		9748.100	13.134	39.730	52.863	-21.137	74.000	54.00
4		12187.900	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 : 802.11G Wireless Router	Probe : FCC_RF_1G-18G(2005-3) - HORIZONTAL
Power : AC 120V/60Hz	Note : Mode 1: Transmit (AM-1200800D)-CH6-B

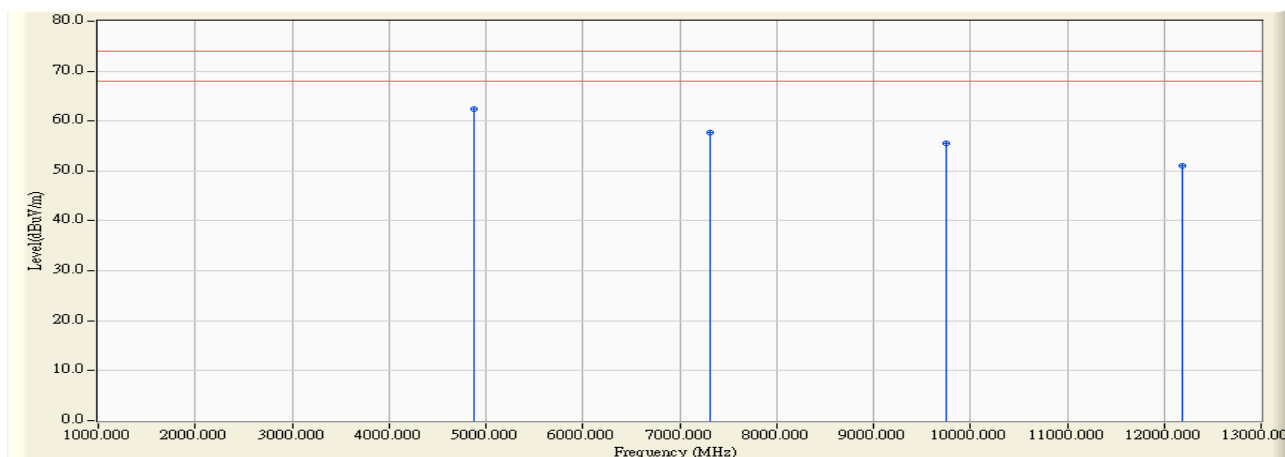


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)
1		4873.290	4.082	39.290	43.372	-10.628	74.000	54.00
2	*	7309.890	8.843	39.500	48.343	-5.657	74.000	54.00

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 : 802.11G Wireless Router	Probe : FCC_RF_1G-18G(2005-3) - VERTICAL
Power : AC 120V/60Hz	Note : Mode 1: Transmit (AM-1200800D)-CH6-B

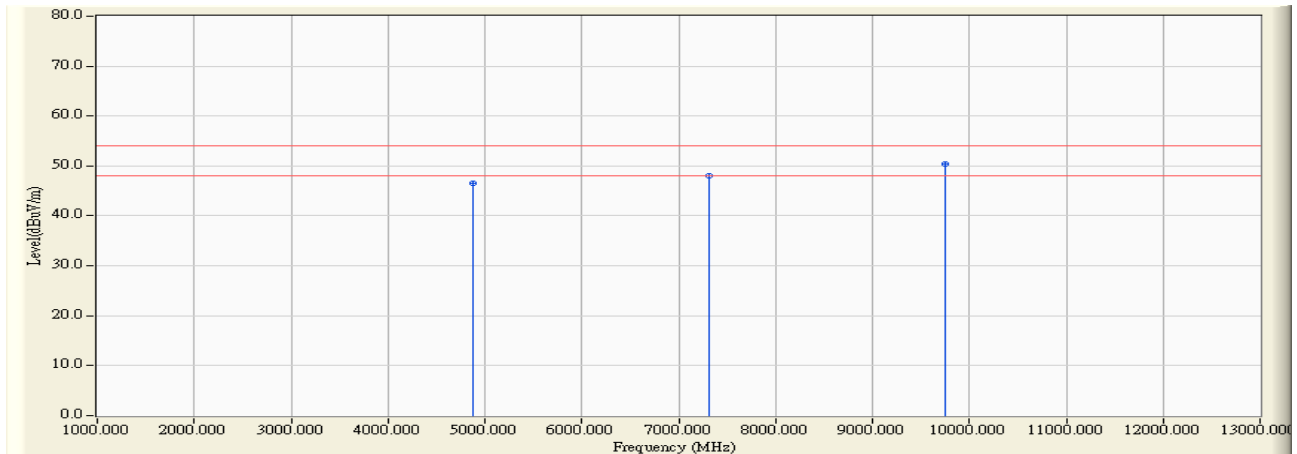


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)
1	*	4874.100	2.434	60.040	62.474	-11.526	74.000	54.00
2		7310.490	8.844	48.920	57.764	-16.236	74.000	54.00
3		9747.890	15.132	40.350	55.482	-18.518	74.000	54.00
4		12185.700	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 : 802.11G Wireless Router	Probe : FCC_RF_1G-18G(2005-3) - VERTICAL
Power : AC 120V/60Hz	Note : Mode 1: Transmit (AM-1200800D)-CH6-B

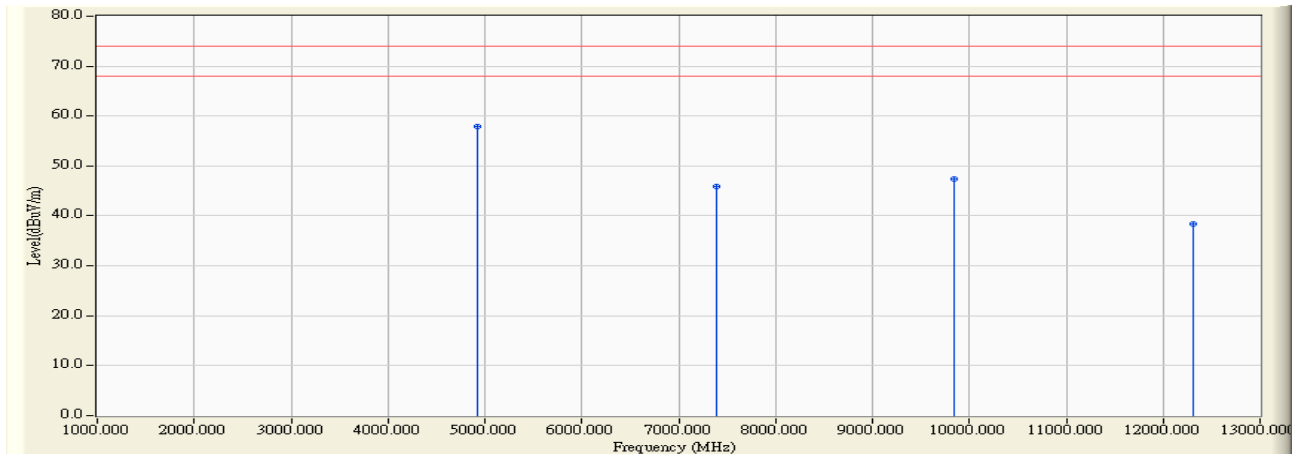


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)
1		4874.900	2.441	44.090	46.531	-7.469	74.000	54.00
2		7312.300	8.846	39.100	47.946	-6.054	74.000	54.00
3	*	9748.100	15.134	35.170	50.303	-3.697	74.000	54.00

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 : 802.11G Wireless Router	Probe : FCC_RF_1G-18G(2005-3) - HORIZONTAL
Power : AC 120V/60Hz	Note : Mode 1: Transmit (AM-1200800D)-CH11-B

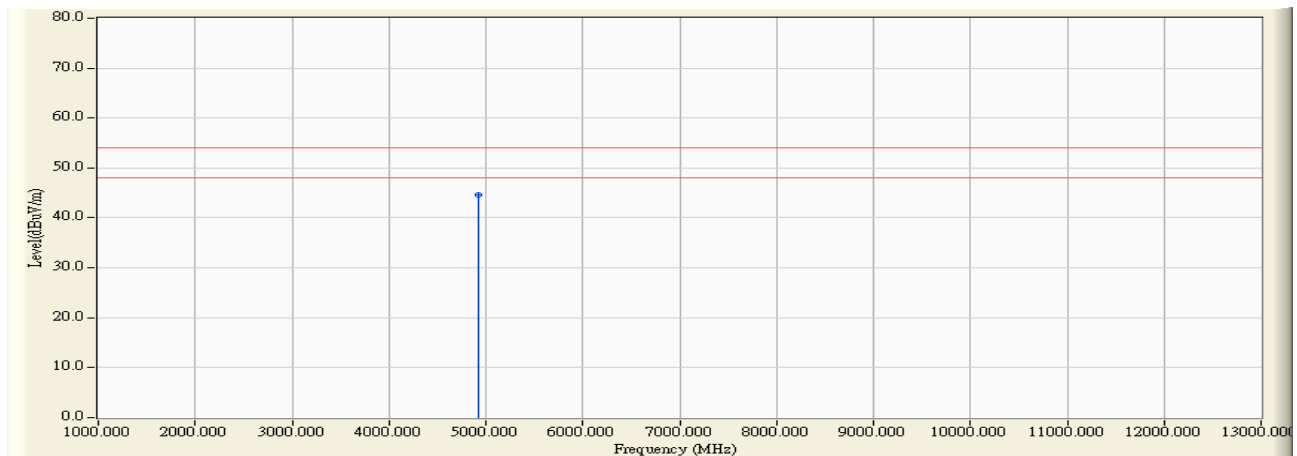


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)
1	*	4923.890	4.381	53.630	58.011	-15.989	74.000	54.00
2		7386.500	8.943	36.870	45.814	-28.186	74.000	54.00
3		9848.700	13.842	33.500	47.342	-26.658	74.000	54.00
4		12309.890	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 : 802.11G Wireless Router	Probe : FCC_RF_1G-18G(2005-3) - HORIZONTAL
Power : AC 120V/60Hz	Note : Mode 1: Transmit (AM-1200800D)-CH11-B

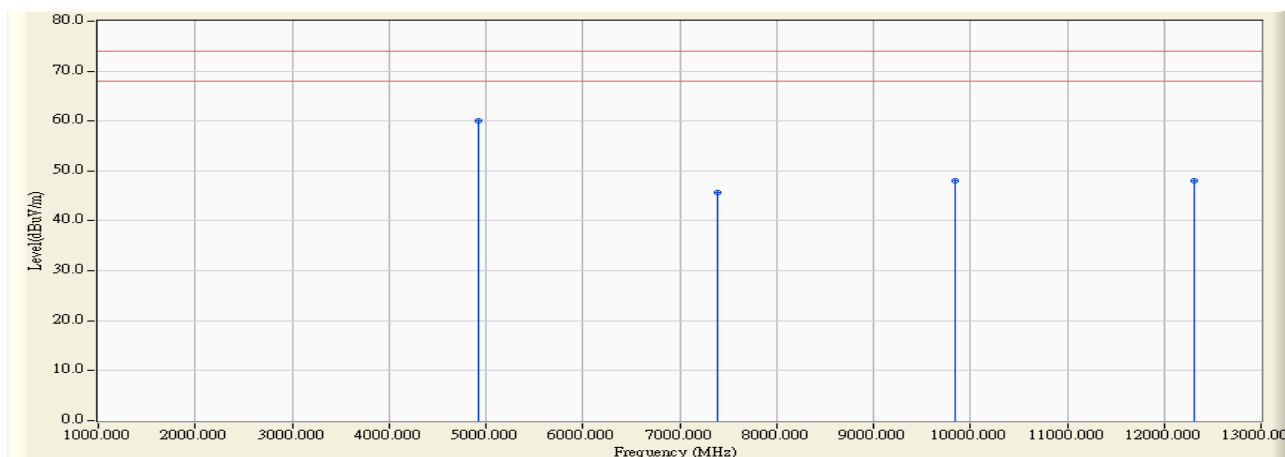


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)
1	*	4922.090	4.375	40.150	44.526	-9.474	74.000	54.00

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 : 802.11G Wireless Router	Probe : FCC_RF_1G-18G(2005-3) - VERTICAL
Power : AC 120V/60Hz	Note : Mode 1: Transmit (AM-1200800D)-CH11-B

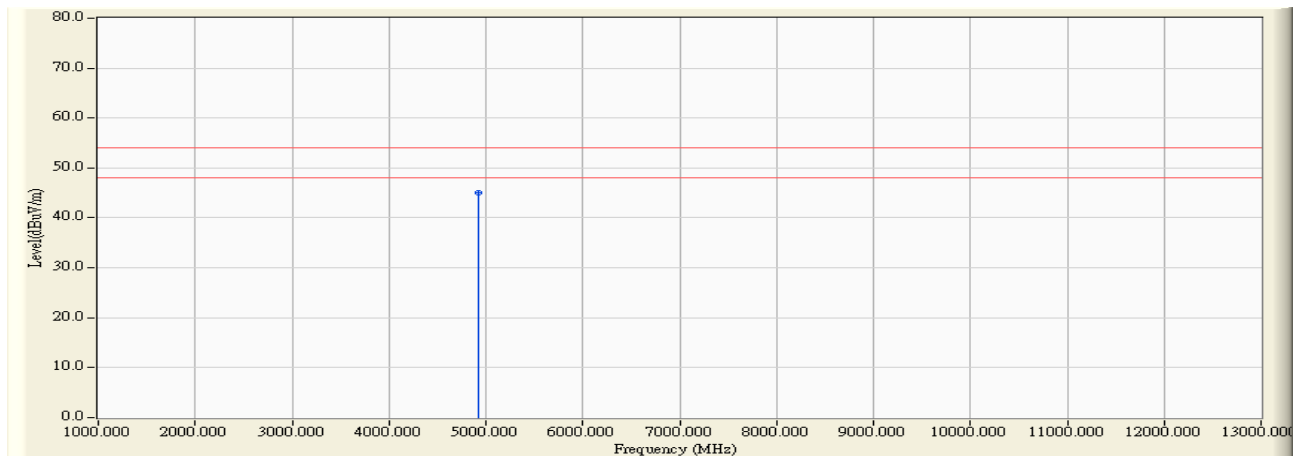


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)
1	*	4924.000	2.834	57.150	59.984	-14.016	74.000	54.00
2		7388.100	8.945	36.750	45.695	-28.305	74.000	54.00
3		9847.690	15.356	32.770	48.125	-25.875	74.000	54.00
4		12309.890	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 : 802.11G Wireless Router	Probe : FCC_RF_1G-18G(2005-3) - VERTICAL
Power : AC 120V/60Hz	Note : Mode 1: Transmit (AM-1200800D)-CH11-B

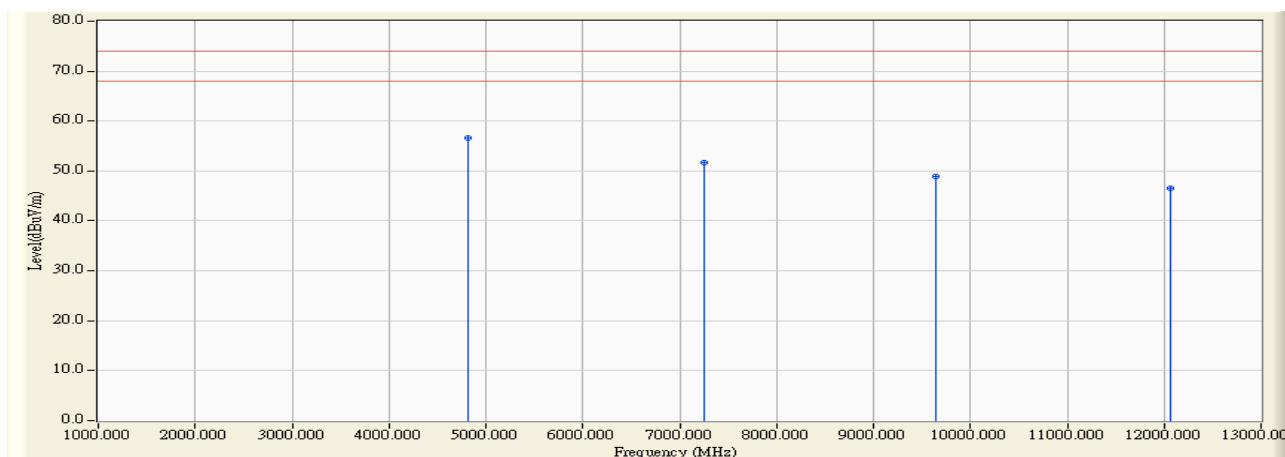


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)
1	*	4922.090	2.824	42.290	45.114	-8.886	74.000	54.00

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 : 802.11G Wireless Router	Probe : FCC_RF_1G-18G(2005-3) - HORIZONTAL
Power : AC 120V/60Hz	Note : Mode 1: Transmit (AM-1200800D)-CH1-G

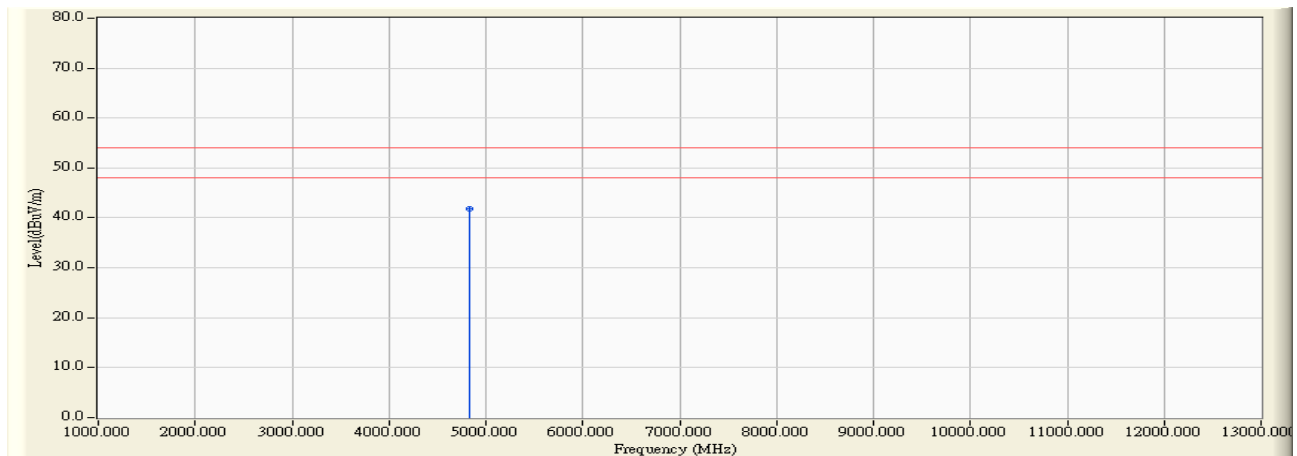


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)
1	*	4823.690	3.730	52.930	56.661	-17.339	74.000	54.00
2		7247.120	8.745	42.970	51.714	-22.286	74.000	54.00
3		9647.890	12.707	36.180	48.887	-25.113	74.000	54.00
4		12059.890	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 : 802.11G Wireless Router	Probe : FCC_RF_1G-18G(2005-3) - HORIZONTAL
Power : AC 120V/60Hz	Note : Mode 1: Transmit (AM-1200800D)-CH1-G

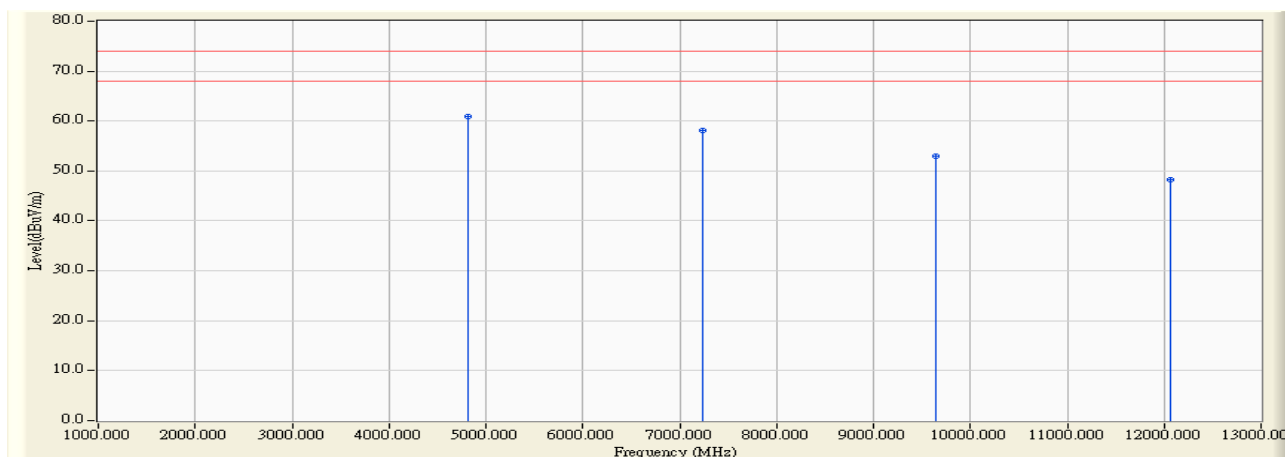


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)
1	*	4824.500	3.737	37.990	41.726	-12.274	74.000	54.00

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 : 802.11G Wireless Router	Probe : FCC_RF_1G-18G(2005-3) - VERTICAL
Power : AC 120V/60Hz	Note : Mode 1: Transmit (AM-1200800D)-CH1-G

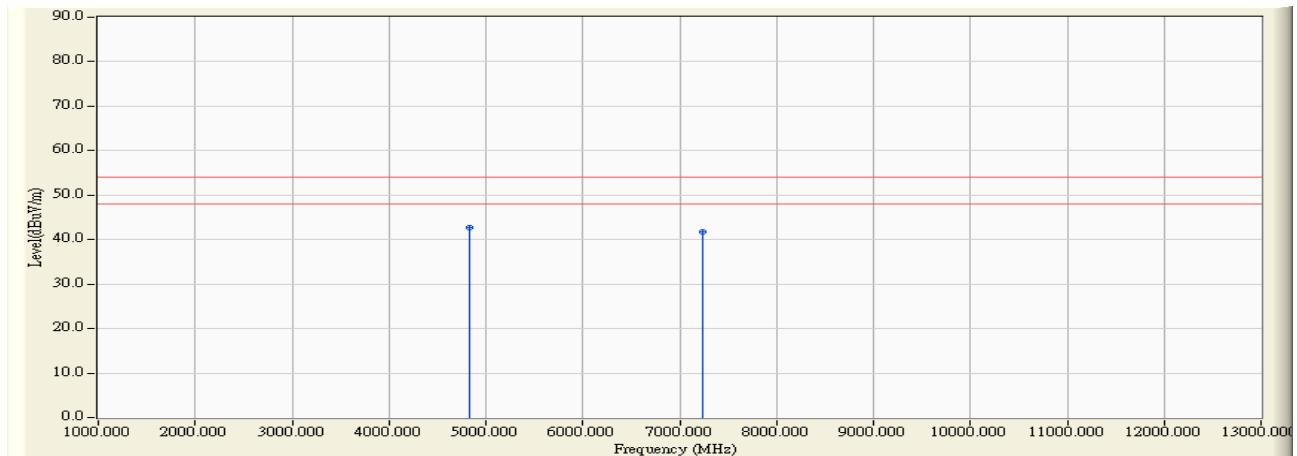


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)
1	*	4822.490	1.968	58.890	60.858	-13.142	74.000	54.00
2		7232.790	8.723	49.410	58.133	-15.867	74.000	54.00
3		9645.790	14.706	38.270	52.976	-21.024	74.000	54.00
4		12058.790	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 : 802.11G Wireless Router	Probe : FCC_RF_1G-18G(2005-3) - VERTICAL
Power : AC 120V/60Hz	Note : Mode 1: Transmit (AM-1200800D)-CH1-G

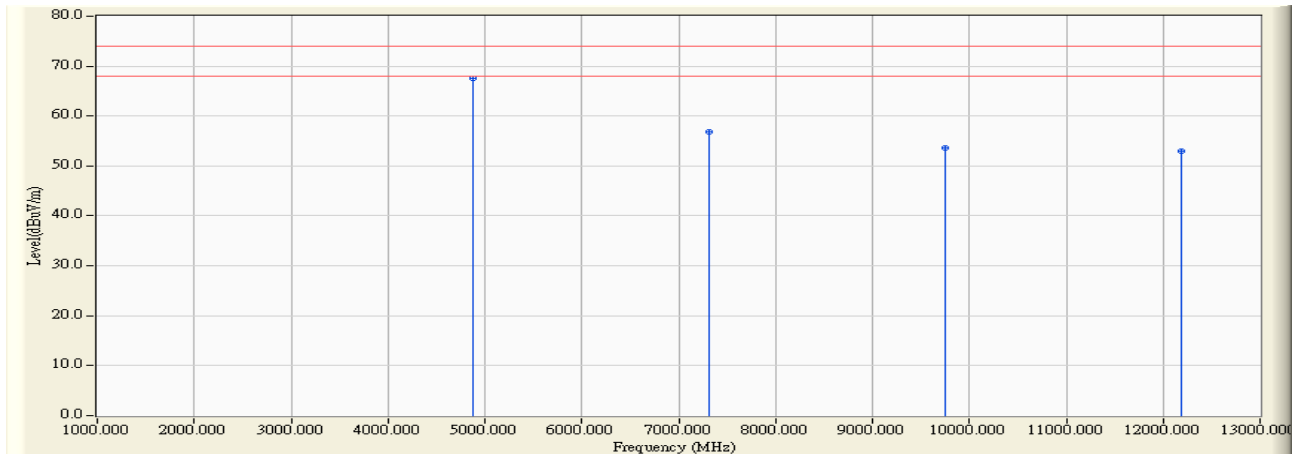


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)
1	*	4824.700	1.988	40.630	42.617	-11.383	74.000	54.00
2		7236.700	8.727	33.010	41.737	-12.263	74.000	54.00

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 : 802.11G Wireless Router	Probe : FCC_RF_1G-18G(2005-3) - HORIZONTAL
Power : AC 120V/60Hz	Note : Mode 1: Transmit (AM-1200800D)-CH6-G

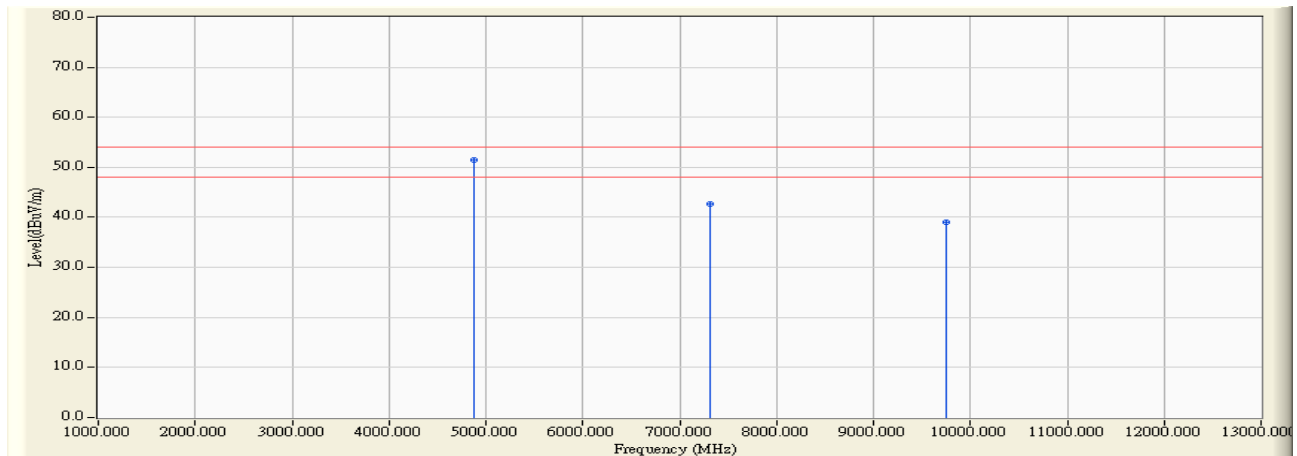


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)
1	*	4874.900	4.093	63.490	67.583	-6.417	74.000	54.00
2		7306.890	8.840	47.940	56.780	-17.220	74.000	54.00
3		9744.490	13.114	40.470	53.584	-20.416	74.000	54.00
4		12186.500	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 : 802.11G Wireless Router	Probe : FCC_RF_1G-18G(2005-3) - HORIZONTAL
Power : AC 120V/60Hz	Note : Mode 1: Transmit (AM-1200800D)-CH6-G

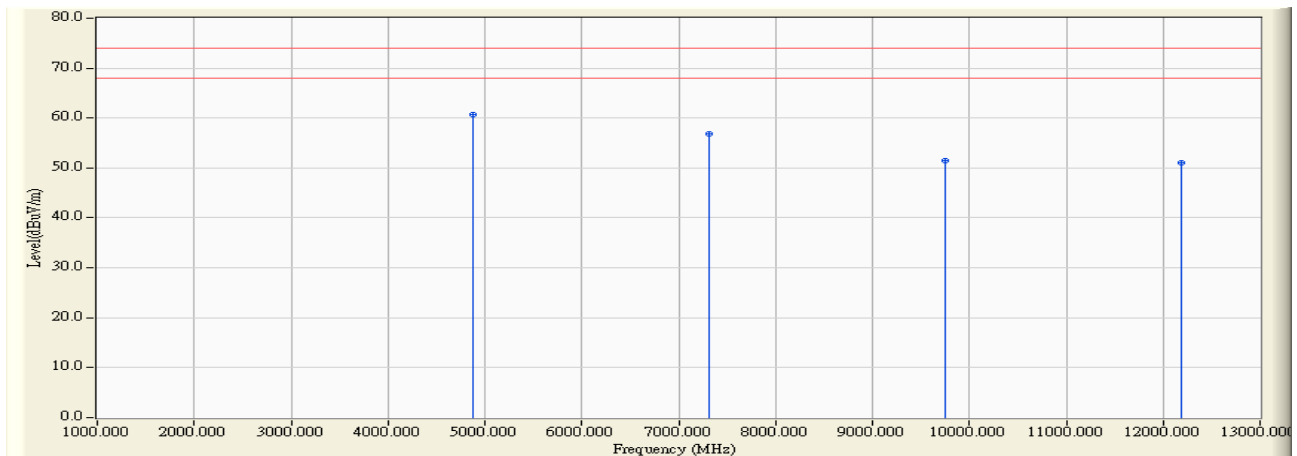


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)
1	*	4874.500	4.091	47.380	51.470	-2.530	74.000	54.00
2		7311.700	8.846	33.740	42.586	-11.414	74.000	54.00
3		9748.100	13.134	25.940	39.073	-14.927	74.000	54.00

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 : 802.11G Wireless Router	Probe : FCC_RF_1G-18G(2005-3) - VERTICAL
Power : AC 120V/60Hz	Note : Mode 1: Transmit (AM-1200800D)-CH6-G

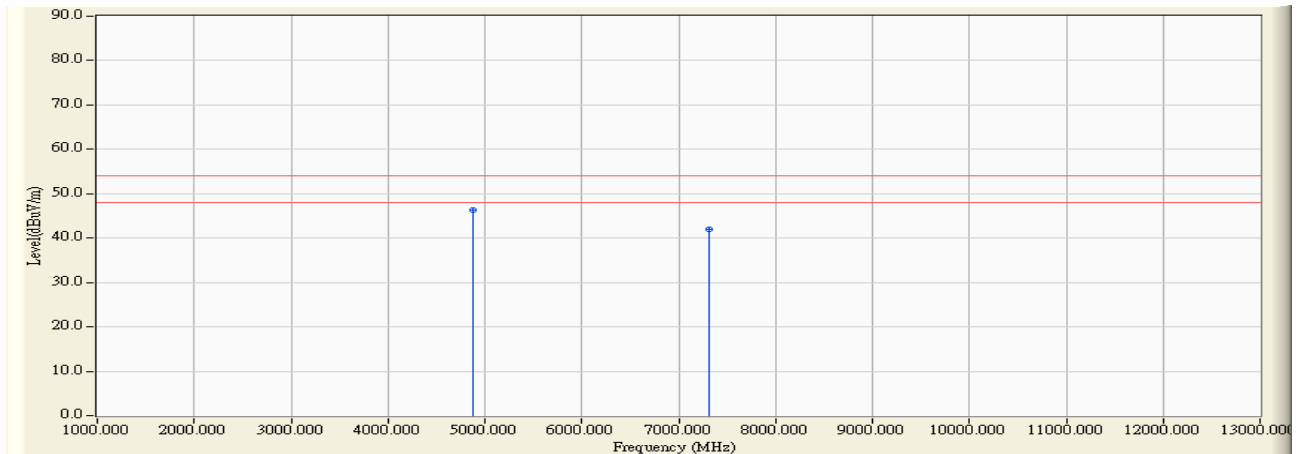


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)
1	*	4875.100	2.443	58.340	60.783	-13.217	74.000	54.00
2		7311.500	8.845	47.890	56.735	-17.265	74.000	54.00
3		9748.070	15.134	36.330	51.463	-22.537	74.000	54.00
4		12185.250	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 : 802.11G Wireless Router	Probe : FCC_RF_1G-18G(2005-3) - VERTICAL
Power : AC 120V/60Hz	Note : Mode 1: Transmit (AM-1200800D)-CH6-G

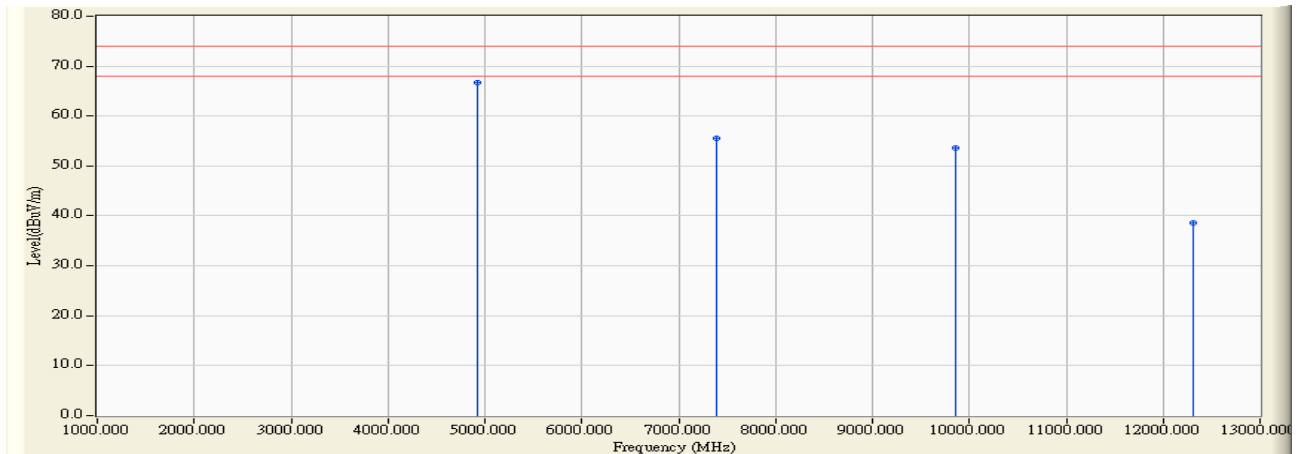


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)
1	*	4875.300	2.445	43.890	46.334	-7.666	74.000	54.00
2		7313.500	8.848	33.140	41.988	-12.012	74.000	54.00

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 : 802.11G Wireless Router	Probe : FCC_RF_1G-18G(2005-3) - HORIZONTAL
Power : AC 120V/60Hz	Note : Mode 1: Transmit (AM-1200800D)-CH11-G

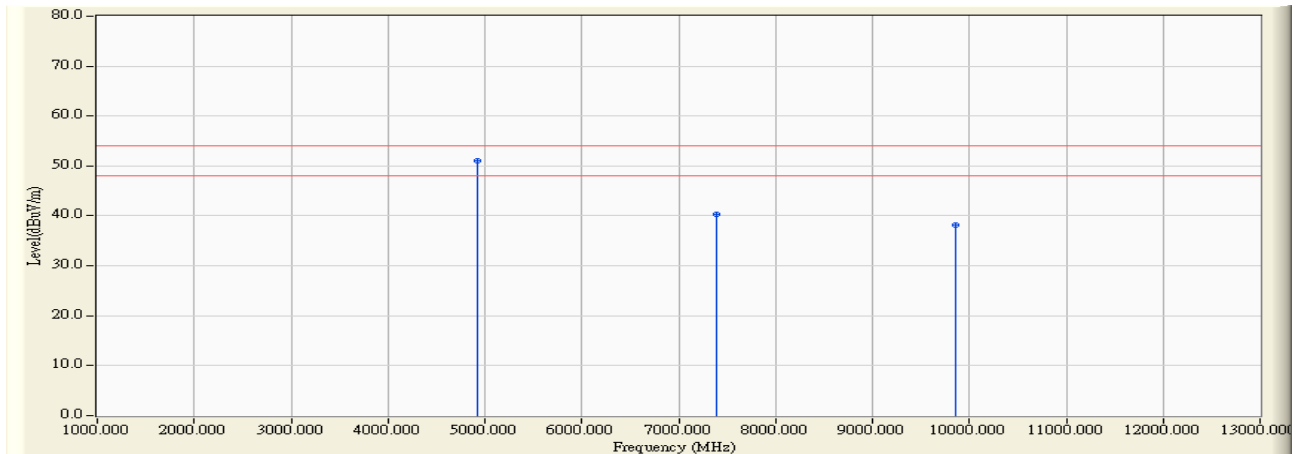


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)
1	*	4925.540	4.386	62.310	66.696	-7.304	74.000	54.00
2		7395.550	8.956	46.490	55.446	-18.554	74.000	54.00
3		9861.870	13.968	39.550	53.519	-20.481	74.000	54.00
4		12310.920	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 : 802.11G Wireless Router	Probe : FCC_RF_1G-18G(2005-3) - HORIZONTAL
Power : AC 120V/60Hz	Note : Mode 1: Transmit (AM-1200800D)-CH11-G

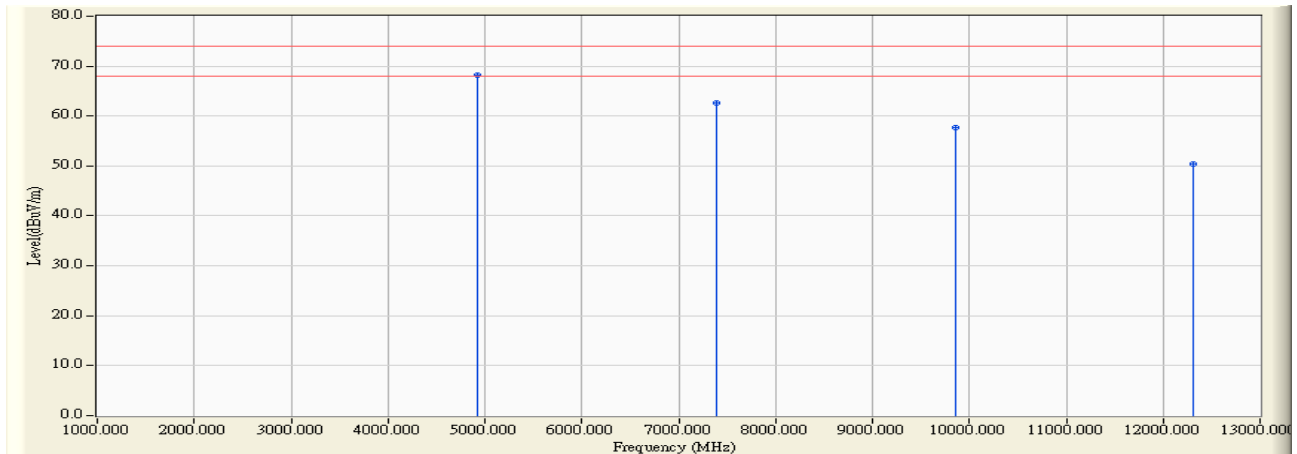


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)
1	*	4923.690	4.380	46.620	51.000	-3.000	74.000	54.00
2		7388.150	8.945	31.380	40.325	-13.675	74.000	54.00
3		9852.620	13.879	24.370	38.249	-15.751	74.000	54.00

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 : Mode 1: Transmit (AM-1200800D)-CH11-G

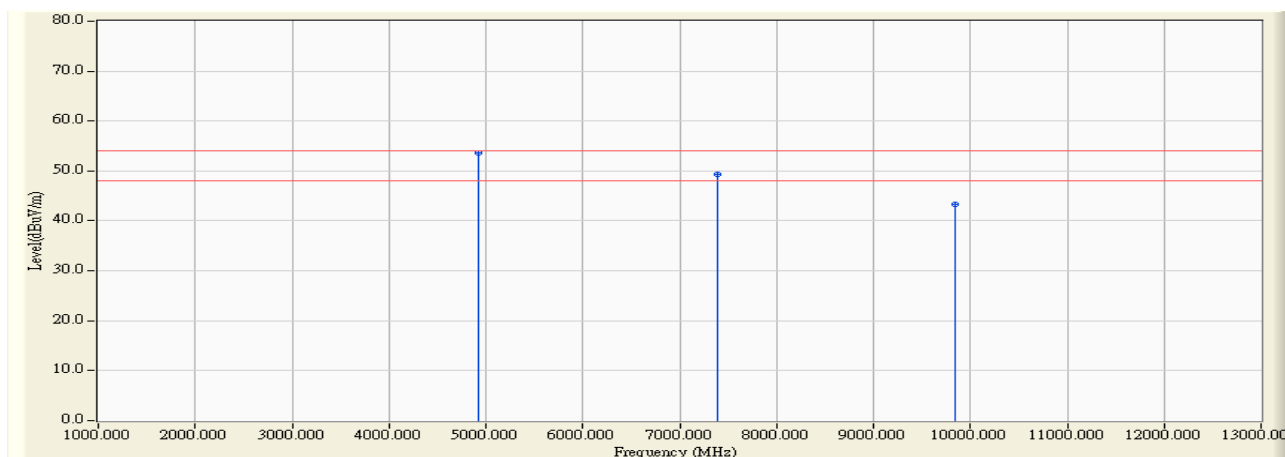


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)
1	*	4922.940	2.829	65.320	68.149	-5.851	74.000	54.00
2		7390.050	8.948	53.640	62.588	-11.412	74.000	54.00
3		9850.850	15.354	42.400	57.754	-16.246	74.000	54.00
4		12308.940	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 : 802.11G Wireless Router	Probe : FCC_RF_1G-18G(2005-3) - VERTICAL
Power : AC 120V/60Hz	Note : Mode 1: Transmit (AM-1200800D)-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

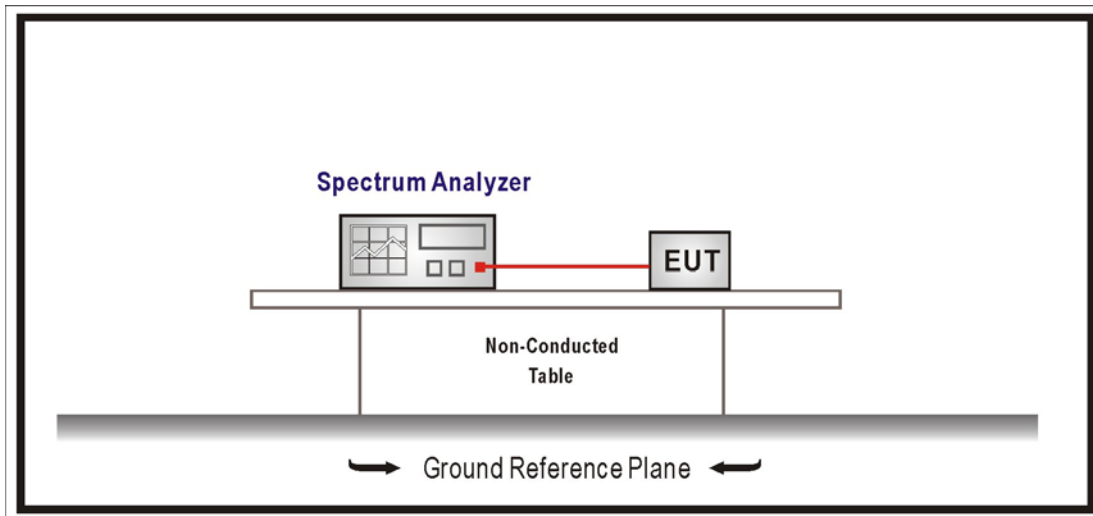
The following test equipment are used during the test:

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

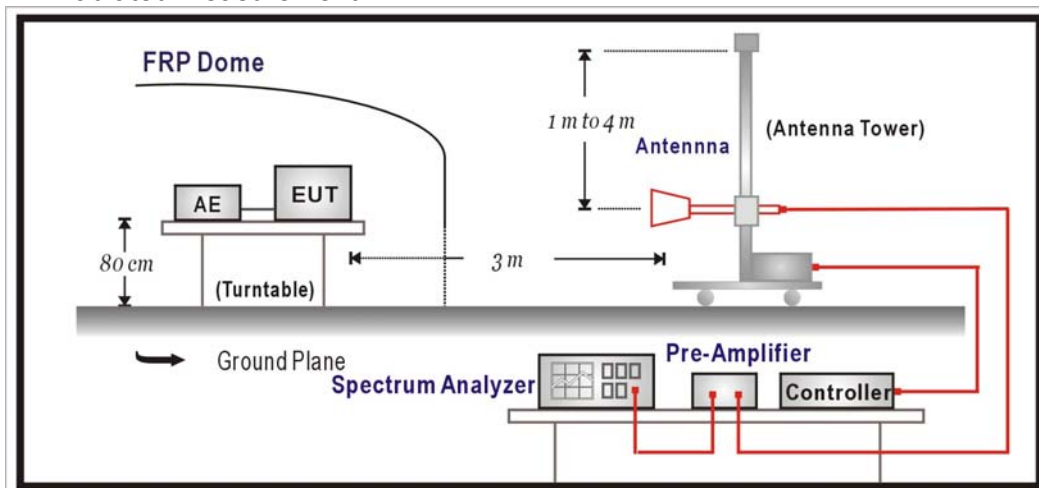
Note: 1. All equipments that need to calibrate are with calibration period of 1 year.
2. Mark "X" test instruments are used to measure the final test results.

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 $\pm 1.27\text{dB}$

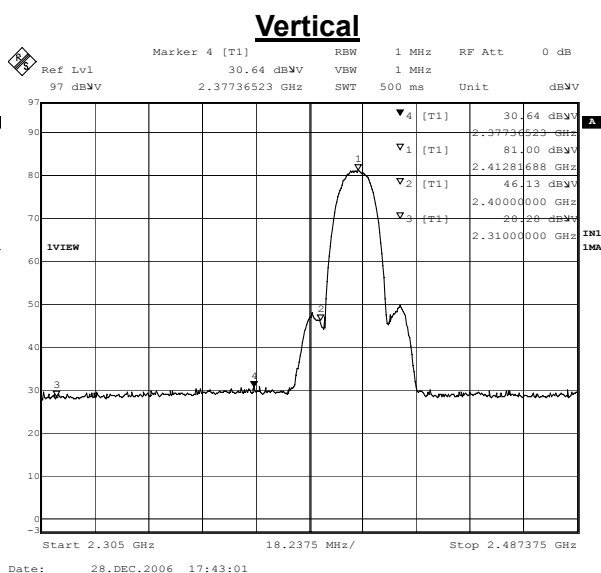
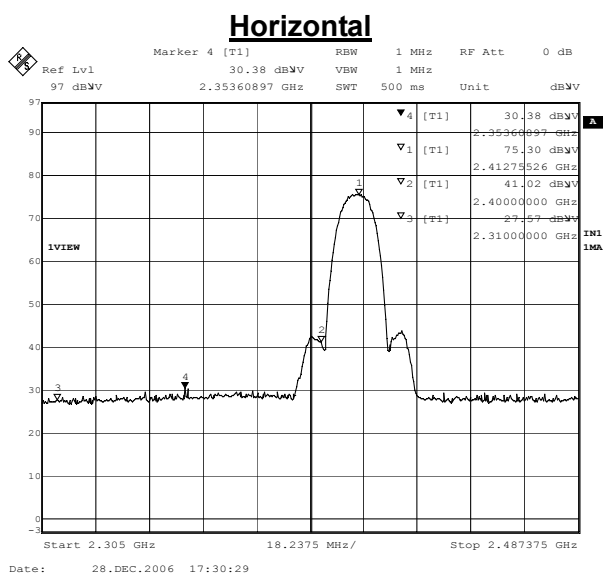
Radiated is defined as $\pm 3.9\text{dB}$

5.7. Test Result

Product	802.11G Wireless Router		
Test Item	Band Edge		
Test Mode	Mode 1: Transmit (AM-1200800D)		
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	74	54	Pass
1(Vertical)	2377.360	30.640	22.831	4.500	57.971	74	54	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.

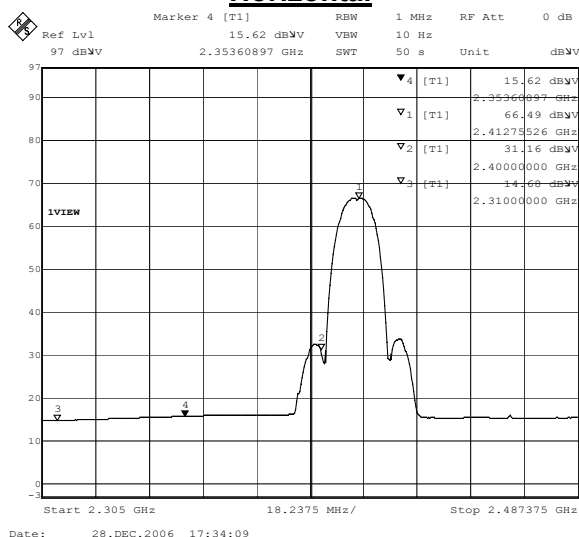
Product	802.11G Wireless Router		
Test Item	Band Edge		
Test Mode	Mode 1: Transmit (AM-1200800D)		
Date of Test	2006/12/28	Test Site	No.1 OATS

RF Radiated Measurement: (Average Detector)

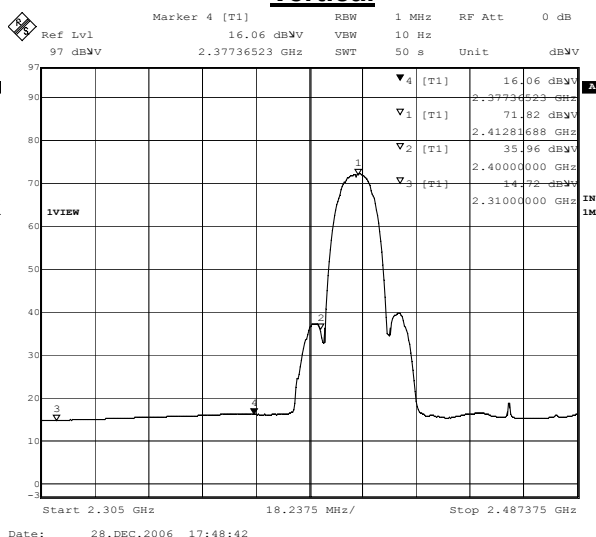
IEEE 802.11b

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	74	54	Pass
1(Vertical)	2377.360	16.060	22.831	4.500	43.391	74	54	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.

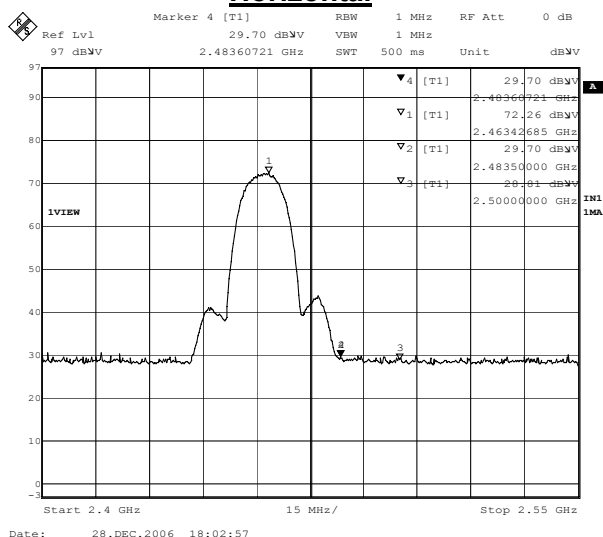
Product	802.11G Wireless Router		
Test Item	Band Edge		
Test Mode	Mode 1: Transmit (AM-1200800D)		
Date of Test	2006/12/28	Test Site	No.1 OATS

RF Radiated Measurement: (Peak Detector)

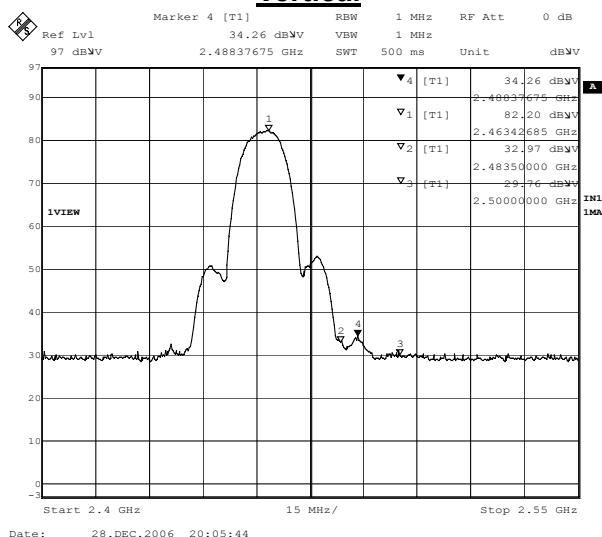
IEEE 802.11b

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	74	54	Pass
11(Vertical)	2488.370	34.260	23.132	4.576	61.968	74	54	Pass

Horizontal



Vertical



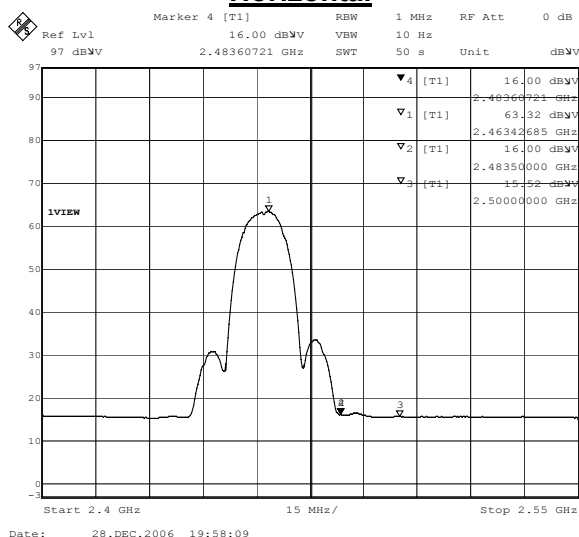
Note: The average measurement was not performed when the peak measured data under the limit of average detection. If the readings given are average, peak measurement should also be supplied.

Product	802.11G Wireless Router		
Test Item	Band Edge		
Test Mode	Mode 1: Transmit (AM-1200800D)		
Date of Test	2006/12/28	Test Site	No.1 OATS

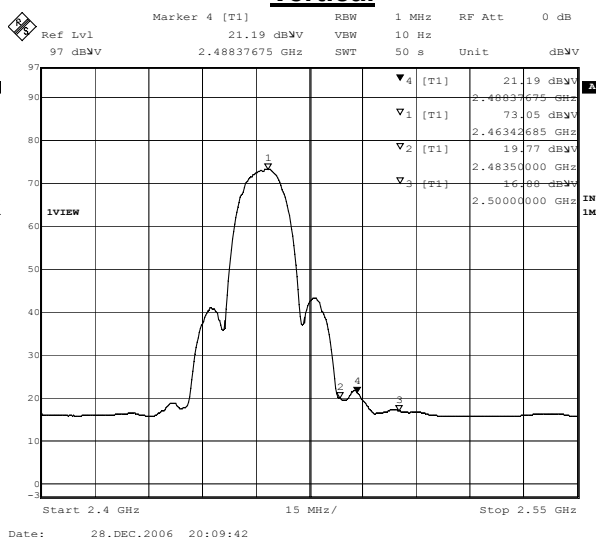
RF Radiated Measurement: (Average Detector)

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	74	54	Pass
11(Vertical)	2488.370	21.190	23.132	4.576	48.898	74	54	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.

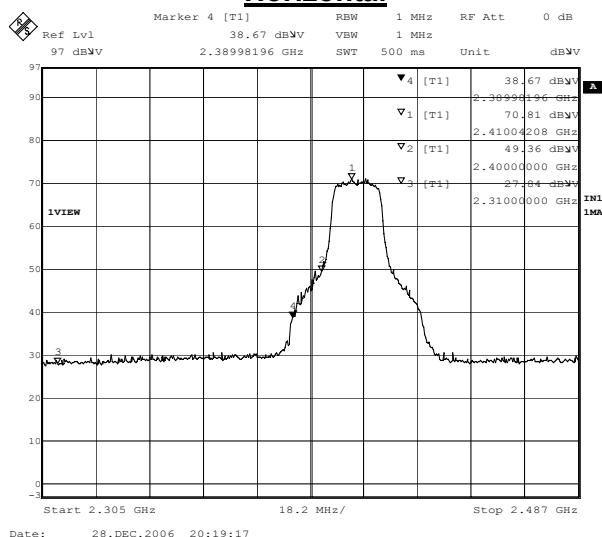
Product	802.11G Wireless Router		
Test Item	Band Edge		
Test Mode	Mode 1: Transmit (AM-1200800D)		
Date of Test	2006/12/28	Test Site	No.1 OATS

RF Radiated Measurement: (Peak Detector)

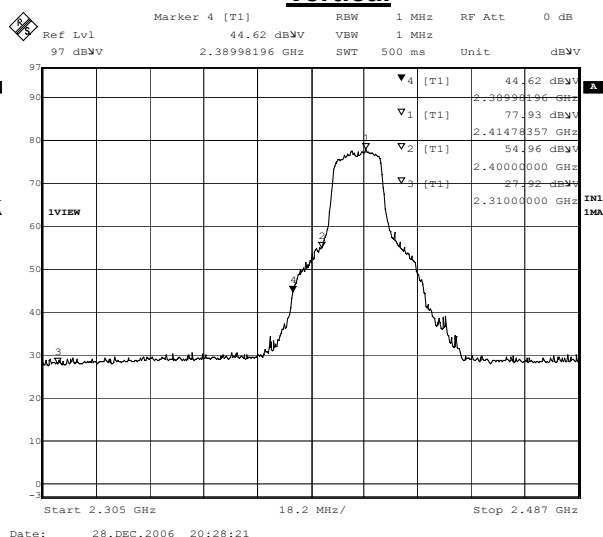
IEEE 802.11g

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	74	54	Pass
1(Vertical)	2389.980	44.620	22.876	4.508	72.003	74	54	Pass

Horizontal



Vertical



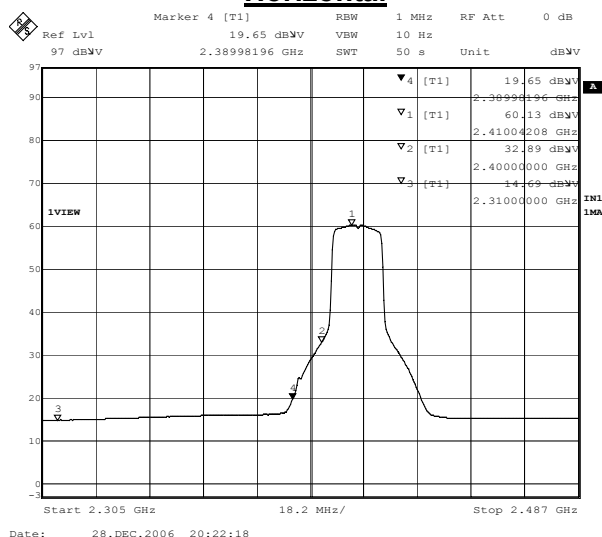
Note: The average measurement was not performed when the peak measured data under the limit of average detection. If the readings given are average, peak measurement should also be supplied.

Product	802.11G Wireless Router		
Test Item	Band Edge		
Test Mode	Mode 1: Transmit (AM-1200800D)		
Date of Test	2006/12/28	Test Site	No.1 OATS

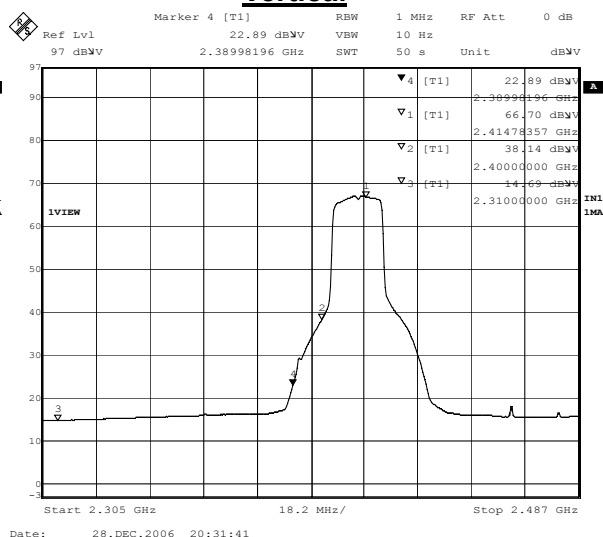
RF Radiated Measurement: (Average Detector)

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	74	54	Pass
1(Vertical)	2389.980	22.890	22.876	4.508	50.273	74	54	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.

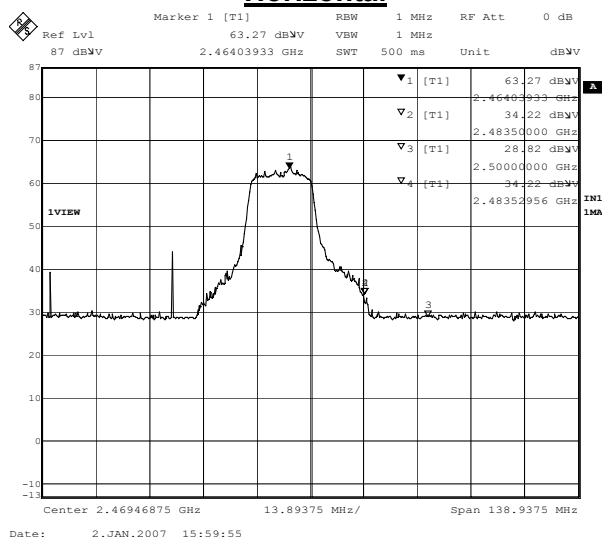
Product	802.11G Wireless Router		
Test Item	Band Edge		
Test Mode	Mode 1: Transmit (AM-1200800D)		
Date of Test	2007/01/02	Test Site	No.1 OATS

RF Radiated Measurement: (Peak Detector)

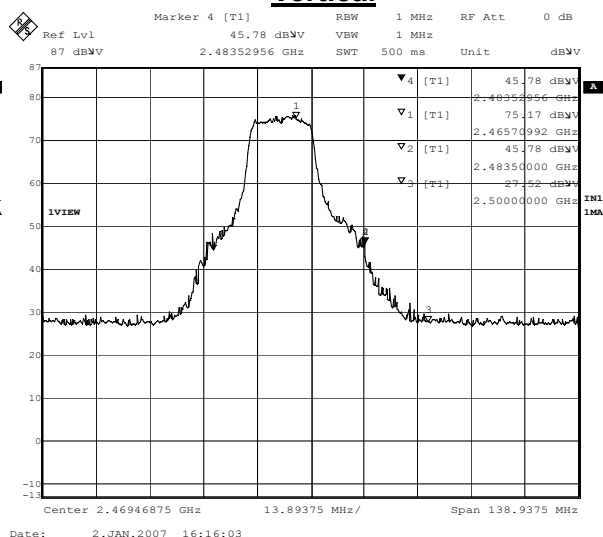
IEEE 802.11g

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	74	54	Pass
11(Vertical)	2483.520	45.780	23.121	4.573	73.473	74	54	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.

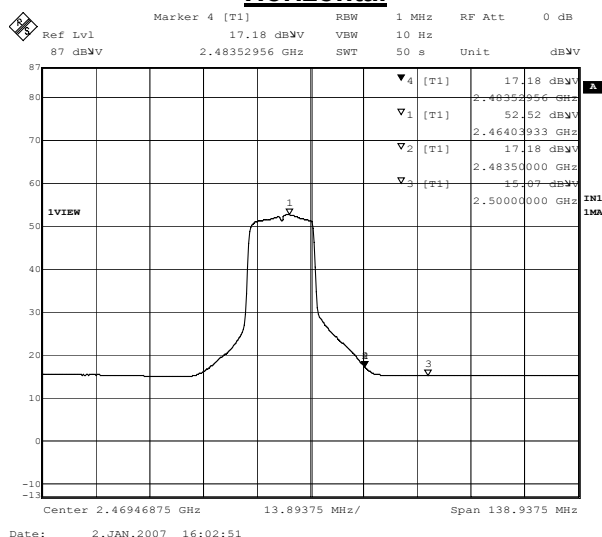
Product	802.11G Wireless Router		
Test Item	Band Edge		
Test Mode	Mode 1: Transmit (AM-1200800D)		
Date of Test	2007/01/02	Test Site	No.1 OATS

RF Radiated Measurement: (Average Detector)

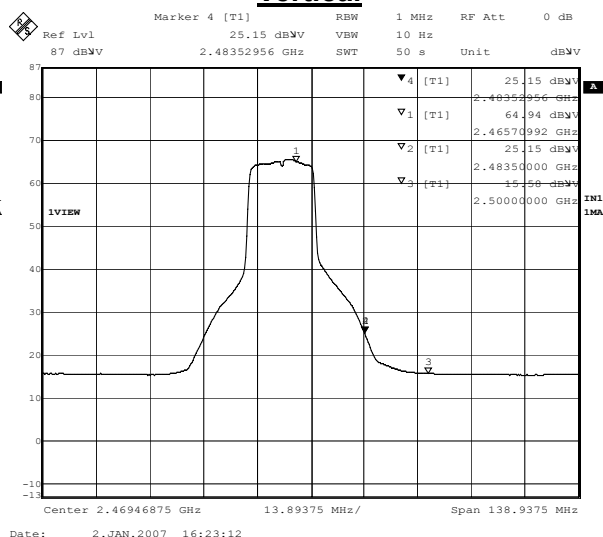
IEEE 802.11g

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	74	54	Pass
11(Vertical)	2483.520	25.150	23.121	4.573	52.843	74	54	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

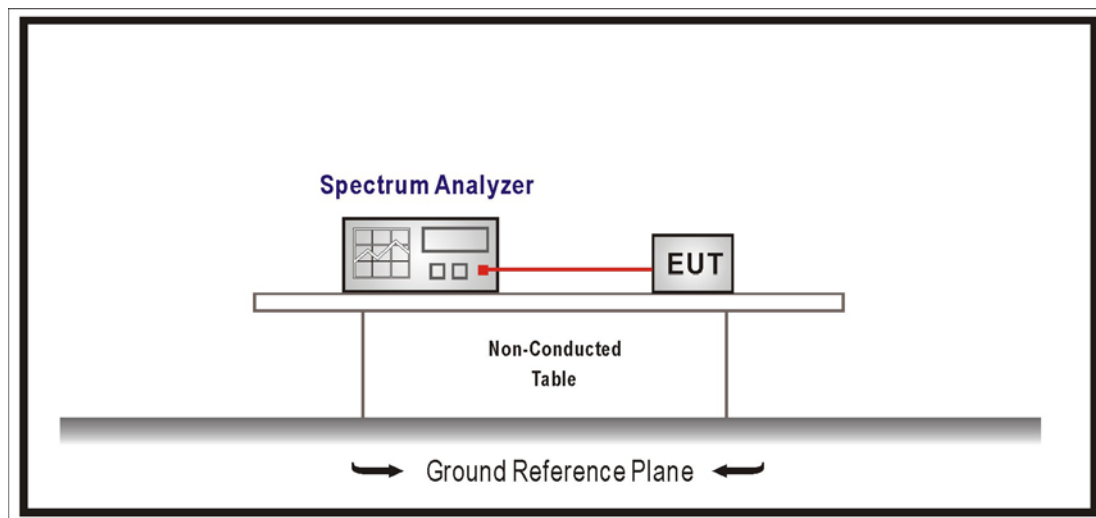
6.1. Test Equipment

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 $\pm 50\text{kHz}$

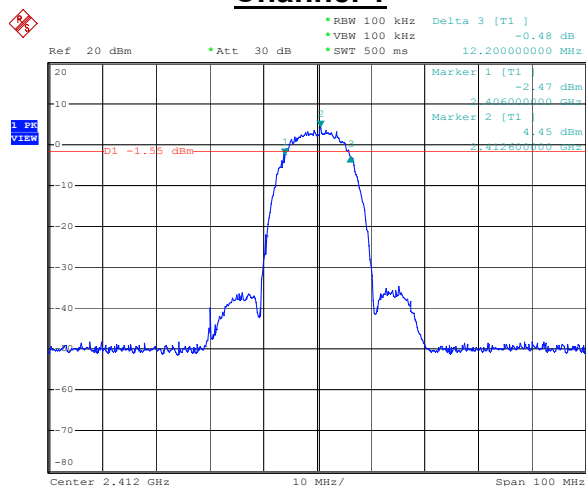
6.6. Test Result

Product	802.11G Wireless Router		
Test Item	Occupied Bandwidth		
Test Mode	Mode 1: Transmit (AM-1200800D)		
Date of Test	2006/12/27	Test Site	No.1 OATS

IEEE 802.11b

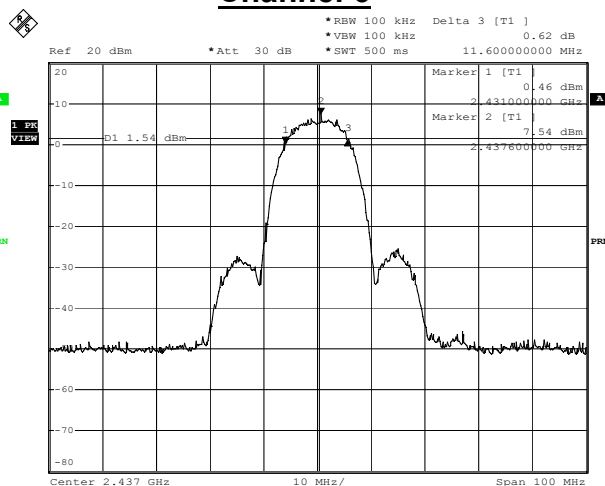
Channel No.	Frequency (MHz)	Measure Value (kHz)	Limit (kHz)	Result
1	2412	12200	>500	Pass
6	2437	11600	> 500	Pass
11	2462	12600	> 500	Pass

Channel 1



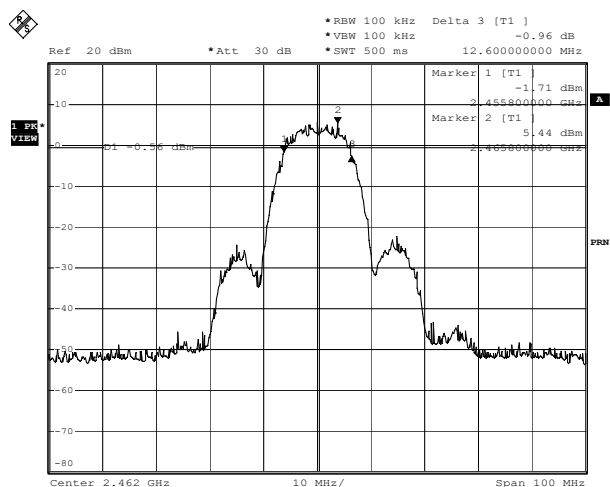
Date: 19.DEC.2006 15:54:38

Channel 6



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

Channel 11

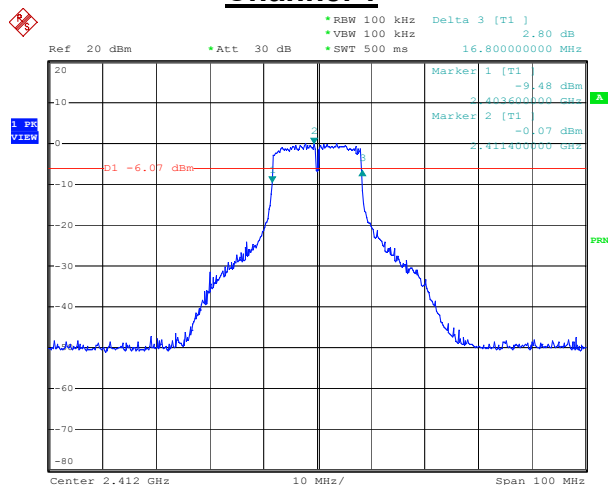


Date: 27.DEC.2006 15:28:58

Product	802.11G Wireless Router		
Test Item	Occupied Bandwidth		
Test Mode	Mode 1: Transmit (AM-1200800D)		
Date of Test	2006/12/27	Test Site	No.1 OATS

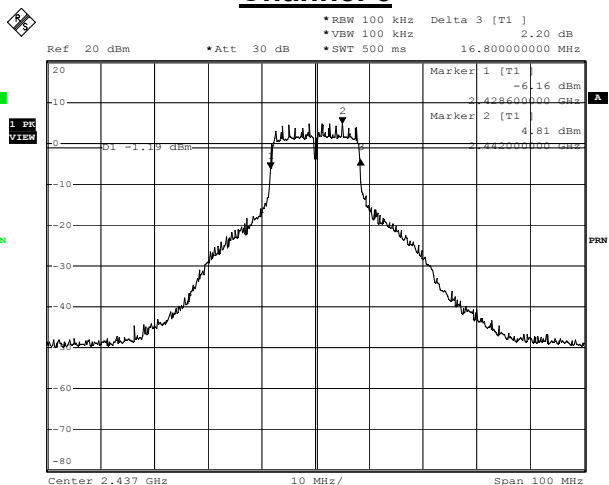
IEEE 802.11g				
Channel No.	Frequency (MHz)	Measure Value (kHz)	Limit (kHz)	Result
1	2412	16800	> 500	Pass
6	2437	16800	> 500	Pass
11	2462	16800	> 500	Pass

Channel 1



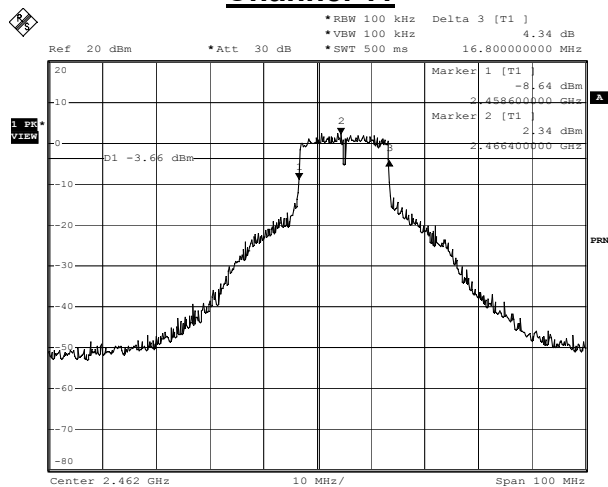
Date: 19.DEC.2006 15:57:27

Channel 6



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

Channel 11



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

7. Power Density

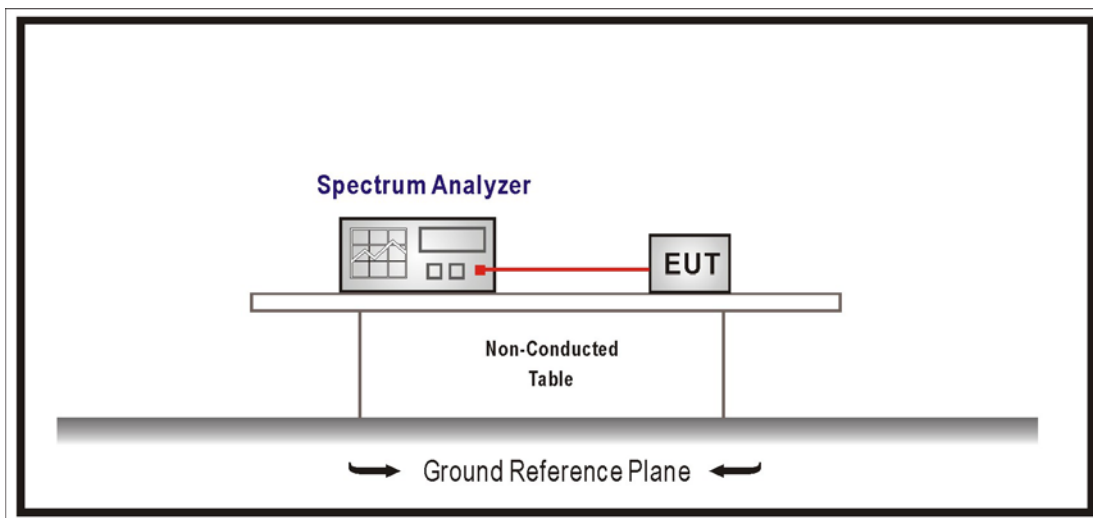
7.1. Test Equipment

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

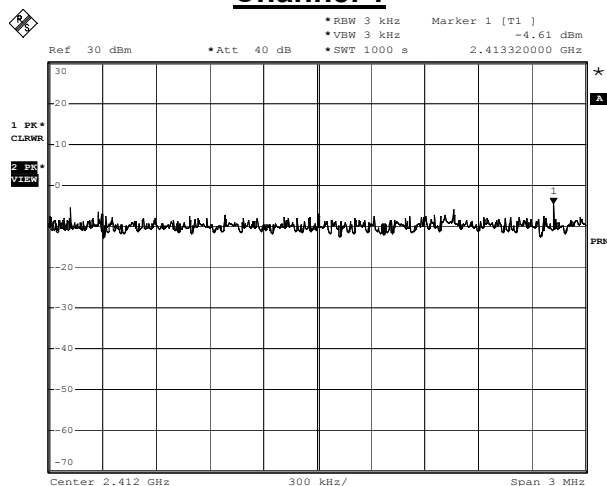
The measurement uncertainty is defined as $\pm 1.27\text{dB}$.

7.6. Test Result

Product	802.11G Wireless Router		
Test Item	Power Density		
Test Mode	Mode 1: Transmit (AM-1200800D)		
Date of Test	2006/12/18	Test Site	No.1 OATS

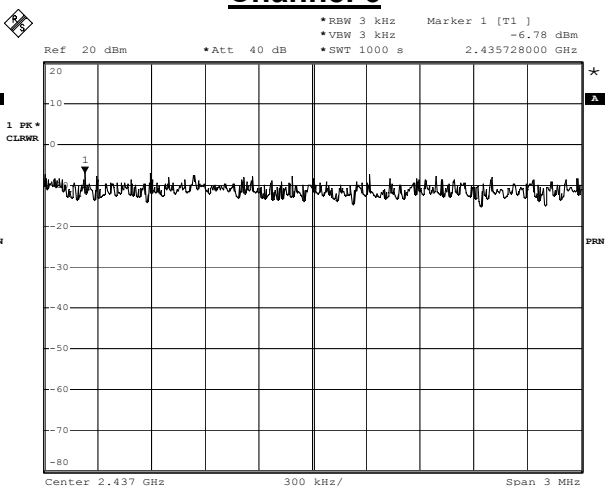
IEEE 802.11b				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
1	2412	-4.61	<8	Pass
6	2437	-6.78	<8	Pass
11	2462	-6.46	<8	Pass

Channel 1



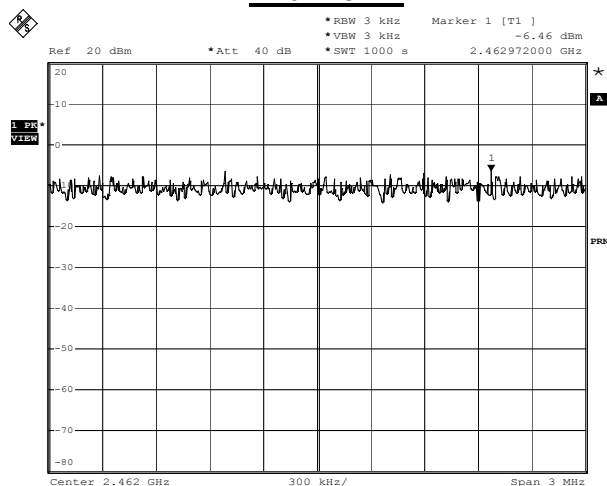
Date: 18.DEC.2006 15:56:13

Channel 6



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

Channel 11

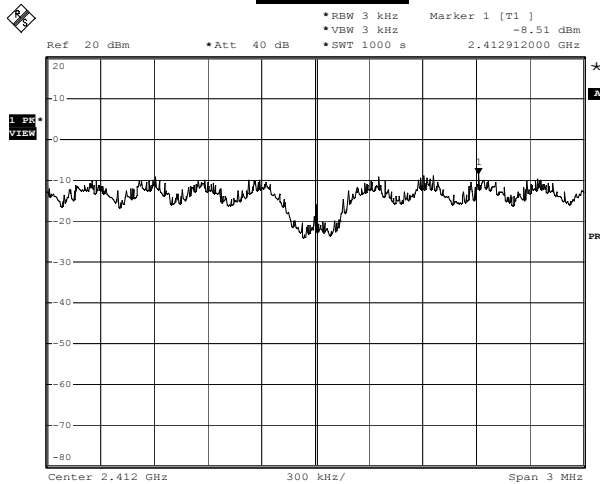


Date: 18.DEC.2006 16:04:32

Product	802.11G Wireless Router		
Test Item	Power Density		
Test Mode	Mode 1: Transmit (AM-1200800D)		
Date of Test	2006/12/18	Test Site	No.1 OATS

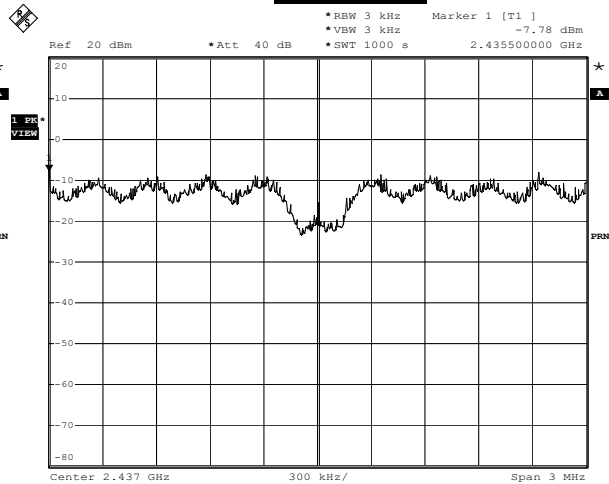
IEEE 802.11g				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
1	2412	-8.51	<8	Pass
6	2437	-7.78	<8	Pass
11	2462	-7.75	<8	Pass

Channel 1



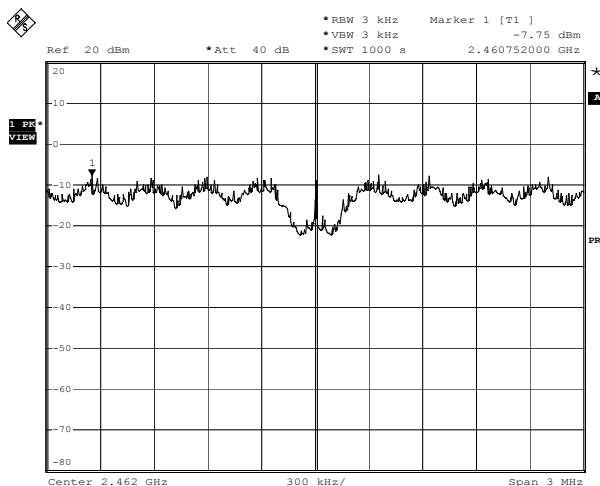
Date: 18.DEC.2006 16:11:30

Channel 6



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

Channel 11



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