Test Report

Product Name ： WIRELESS G ADSL2+ MODEM ROUTER
Model No. ： DSL-2640R, DSL-2641R, DSL-2640U/RRU
FCC ID. ： KA2SL2640RB1

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

Date of Receipt ： 2008/06/03
Issued Date ： 2008/06/26
Report No. ： 086124R-RFUSP05V01
Version ： V1.0

Test Report Certification

Issued Date : 2008/06/26
Report No. : 086124R-RFUSP05V01

QuieTek

Product Name	:	WIRELESS G ADSL2+ MODEM ROUTER
Applicant	:	D-Link Corporation
Address	:	No.289, Sinhu 3rd Rd., Neihu District, Taipei City 114, Taiwan, R.O.C.
Manufacturer	:	Alpha Networks Inc.
Model No.	:	DSL-2640R, DSL-2641R, DSL-2640U/RRU
FCC ID.	:	KA2SL2640RB1
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
Test Result	:	Complied

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

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

Reviewed By : Lucia Lu
(Lucia Lu Engineer)

Approved By : Roy Wang
(Roy Wang / Manager)

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1. General Information

1.1. EUT Description

Product Name	WIRELESS G ADSL2+ MODEM ROUTER
Trade Name	D-Link
Model No.	DSL-2640R, DSL-2641R, DSL-2640U/RRU
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	2dBi
Channel Control	Manual
Antenna Type	I-PEX (Application: 1/4 λ Dipole Antenna, Model Number: THW2056A)

Component	
LAN Cable	Non-Shielded, 1.5m
RJ11 Cable	Non-Shielded, 1.8m
Power Adapter	AMIGO, AM-121200A I/P: 120VAC 60Hz 200mA O/P: 12VAC 1200mA 14.4VA Cable Out: Non-Shielded, 1.8m
Power Adapter	D-Link, AH1812-B I/P: 100-240V~0.4A, 50-60Hz O/P: +12V, 1.25A Cable Out: Non-Shielded, 1.8m
Power Adapter	FAIRWAY, WRG15F-120AB I/P: 100-240V~1.0A max. 50-60Hz O/P: +12V, 1.25A Cable Out: Non-Shielded, 1.8m

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

Note:

1. This device is a WIRELESS G ADSL2+ MODEM ROUTER, which including 2.4GHz receiving and transmitting function.
2. The different of the each model is shown as below:

M/N	Annex
DSL-2640R	Annex A
DSL-2641R	Annex B
DSL-2640U/RRU	Annex A

3. These test results on a sample of the device are for the purpose of demonstrating compliance with Part 15 Subpart C Paragraph 15.247.
4. Regards to the frequency band operation; the lowest、middle and highest frequency of channel were selected to perform the test, and then shown on this report.
5. This device is a composite device in accordance with Part 15 regulations. The receiving function receiving was tested and its test report number is 086124R-RFUSP01V02 under Declaration of Conformity.

1.3. Test Mode

QuieTek has verified the construction and function in typical operation. The preliminary tests were performed in different data rate, and to find the worst condition, which was shown in this test report. The following table is the final test mode.

Pre-Test Mode	
Mode 1: Transmit (AMIGO) Mode 2: Transmit (D-Link) Mode 3: Transmit (FAIRWAY)	
Final Test Mode	
Emission	Mode 1: Transmit (AMIGO) Mode 2: Transmit (D-Link) Mode 3: Transmit (FAIRWAY)

Emission	
Performed Item	
Conducted Emission	Yes
Peak Power Output	Yes
Radiated Emission	Yes
RF antenna conducted test	Yes
Radiated Emission Band Edge	Yes
Occupied Bandwidth	Yes
Power Density	Yes

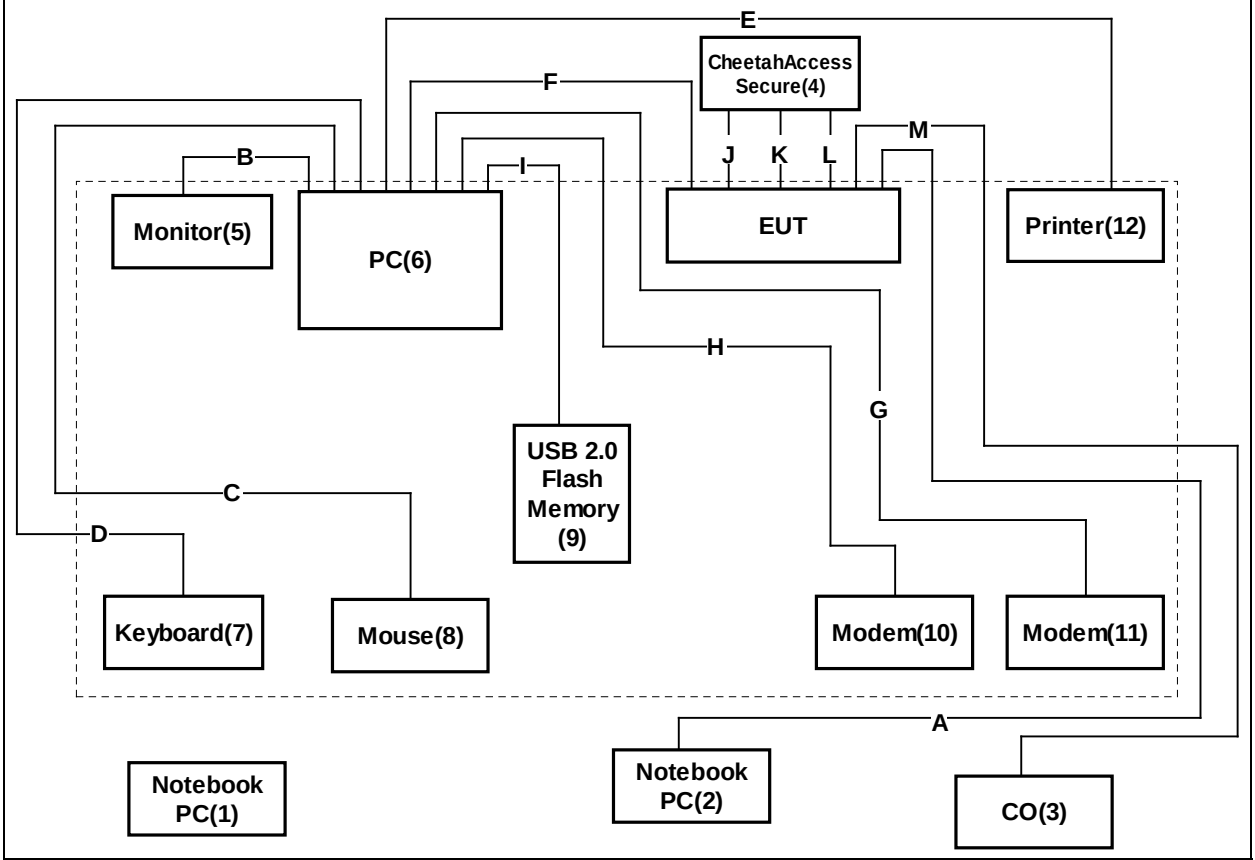
1.4. Tested System Details

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	GK43D1S	DoC	Non-shielded, 1.7m, a ferrite core bonded
2	Notebook PC	DELL	LATITUDE D400	HK43D1S	DoC	Non-shielded, 1.7m, a ferrite core bonded
3	CO	D-Link	DAS-3224	N/A	DoC	--
4	CheetahAccess Secure	Accton	AC-IG1104	N/A	DoC	Non-shielded, 1.8m
5	Monitor	CHI MEI	A170E1-09	3UC120954WA0079	DoC	Non-shielded, 1.8m
6	PC	COMPAQ	PD1100	SG30801014	DoC	Non-shielded, 1.8m
7	Keyboard	Logitech	Y-SM46	SY525U18107	DoC	--
8	Mouse	Logitech	M-SBF83	HCA52200209	DoC	--
9	USB 2.0 Flash Memory	Sony	USM2GJX	N/A	DoC	--
10	Modem	ACEEX	DM-1414	0102027544	DoC	Non-shielded, 1.6m
11	Modem	ACEEX	DM-1414	0102027546	DoC	Non-shielded, 1.6m
12	Printer	HP	C2642A	MY75J1D1D2	DoC	Non-shielded, 0.7m

1.5. Configuration of tested System

Connection Diagram



Signal Cable Type		Signal cable Description
A	LAN Cable	Non-Shielded, 10m
B	VGA Cable	Non-Shielded, 1.8m, two ferrite cores bonded.
C	Mouse Cable	Non-Shielded, 1.8m
D	Keyboard Cable	Non-Shielded, 1.8m
E	Printer Cable	Non-Shielded, 1.2m
F	USB Cable	Shielded, 1.5m
G	Modem Cable	Non-Shielded, 1.5m
H	Modem Cable	Non-Shielded, 1.5m
I	USB 2.0 Flash Memory Cable	Non-Shielded, 1.5m
J	LAN Cable	Non-Shielded, 3.0m
K	LAN Cable	Non-Shielded, 3.0m
L	LAN Cable	Non-Shielded, 3.0m
M	Telephone Cable	Non-Shielded, 10m

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	Boot the PC from Hard Disk.
4	Data will communicate between personal computer and partner notebook PC through EUT that is within PC.
5	Telecom signal also communicate between personal computer and notebook PC through EUT that is within PC at same time.
6	The personal computer’s and notebook PC’s monitor will show the transmitting and receiving characteristics when the communication is success.
7	Repeat at 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 Peak Power Output (DSSS)	15 - 35	23.5
Humidity (%RH)		25 - 75	53
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	65
Barometric pressure (mbar)		860 - 1060	950-1000
Temperature (°C)	FCC PART 15 C 15.247 Band Edge (DSSS)	15 - 35	26
Humidity (%RH)		25 - 75	65
Barometric pressure (mbar)		860 - 1060	950-1000
Temperature (°C)	FCC PART 15 C 15.247 Occupied Bandwidth (DSSS)	15 - 35	26
Humidity (%RH)		25 - 75	52.8
Barometric pressure (mbar)		860 - 1060	950-1000
Temperature (°C)	FCC PART 15 C 15.247 Power Density (DSSS)	15 - 35	26
Humidity (%RH)		25 - 75	52.8
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 TAF
Accreditation Number: 1313
Effective through: December 27, 2010

Testing Laboratory 1313

Accredited by NVLAP
NVLAP Lab Code: 200347-0
Effective through: September 30, 2008

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

2. Conducted Emission

2.1. Test Equipment

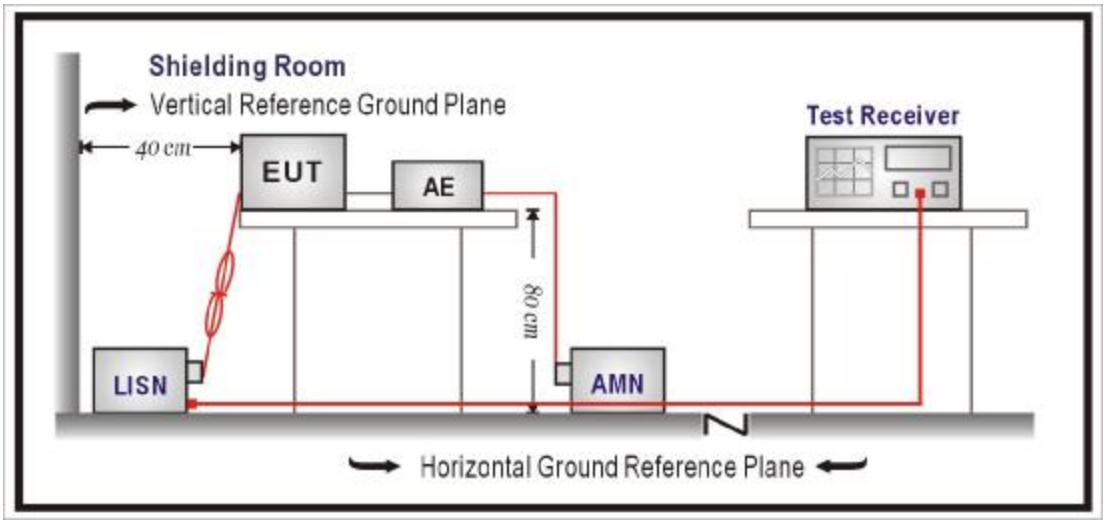
The following test equipments are used during the test:

Conducted Emission / SR2

Instrument	Manufacturer	Type No.	Serial No	Cal. Date
4-Wire ISN	R & S	ENY 41	837032/001	2008/04/15
Artificial Mains Network	R & S	ENV4200	848411/010	2008/03/13
Double 2-Wire ISN	R & S	ENY 22	835354/008	2008/04/15
LISN	R & S	ESH3-Z5	825562/002	2008/03/31
Pulse Limiter	R & S	ZSH3Z2	357.8810.54	2007/07/19
Test Receiver	R & S	ESCS 30	100122	2008/02/21

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

2.2. Test Setup



2.3. Limits

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

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

2.4. Test Procedure

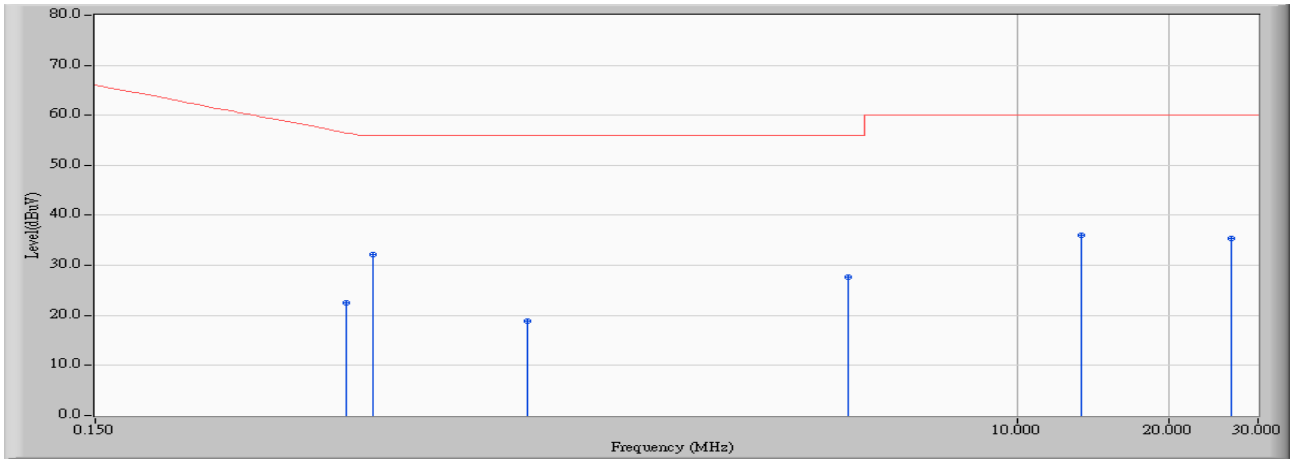
The EUT was setup according to ANSI C63.4, 2003 and tested according to DTS test procedure of Oct 2002 KDB558074 for compliance to FCC 47CFR 15.247 requirements. The EUT was placed on a platform of nominal size, 1 m by 1.5 m, raised 80 cm above the conducting ground plane. The vertical conducting plane was located 40 cm to the rear of the EUT. All other surfaces of EUT were at least 80 cm from any other grounded conducting surface. The EUT and simulators are connected to the main power through a line impedance stabilization network (LISN). The LISN provides a 50 ohm /50uH coupling impedance for the measuring equipment. The peripheral devices are also connected to the main power through a LISN. (Please refer to the block diagram of the test setup and photographs.)
Each current-carrying conductor of the EUT power cord, except the ground (safety) conductor, was individually connected through a LISN to the input power source.
The excess length of the power cord between the EUT and the LISN receptacle were folded back and forth at the center of the lead to form a bundle not exceeding 40 cm in length.
Conducted emissions were investigated over the frequency range from 0.15MHz to 30MHz using a receiver bandwidth of 9kHz.

2.5. Uncertainty

The measurement uncertainty is defined as ± 2.26 dB.

2.6. Test Result

Site : ShieldingrRoom 2	Time : 2008/06/09 - 22:18
Limit : CISPR_B_00M_QP	Margin : 0
Probe : QTK-LISN-SR2 - Line1	Power : AC 120V/60Hz
EUT : WIRELESS G ADSL2+ MODEM ROUTER	Note : Mode 1: Transmit (AMIGO)-B

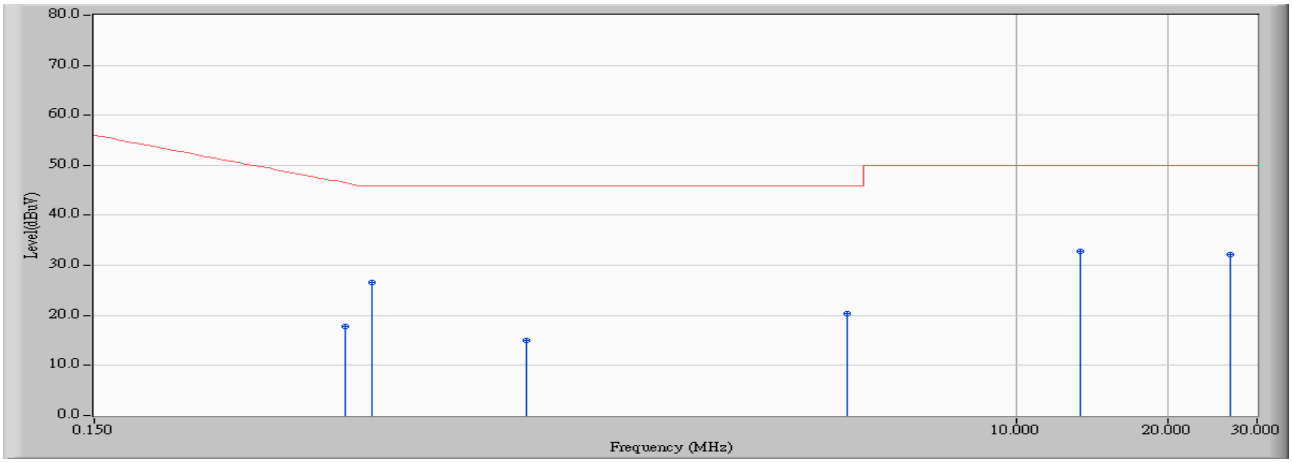


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1		0.470	0.060	22.400	22.460	-34.054	56.514	QUASIPEAK
2	*	0.533	0.060	32.010	32.070	-23.930	56.000	QUASIPEAK
3		1.072	0.080	18.750	18.830	-37.170	56.000	QUASIPEAK
4		4.646	0.250	27.320	27.570	-28.430	56.000	QUASIPEAK
5		13.420	0.850	35.080	35.930	-24.070	60.000	QUASIPEAK
6		26.548	1.500	33.810	35.310	-24.690	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 : ShieldingrRoom 2	Time : 2008/06/09 - 22:18
Limit : CISPR_B_00M_AV	Margin : 0
Probe : QTK-LISN-SR2 - Line1	Power : AC 120V/60Hz
EUT : WIRELESS G ADSL2+ MODEM ROUTER	Note : Mode 1: Transmit (AMIGO)-B

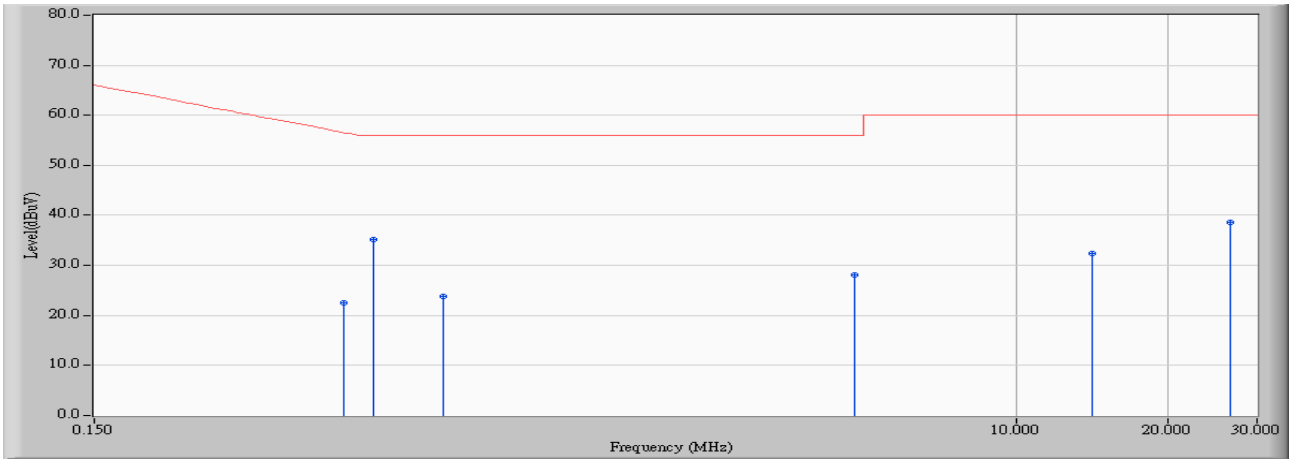


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1		0.470	0.060	17.720	17.780	-28.734	46.514	AVERAGE
2		0.533	0.060	26.600	26.660	-19.340	46.000	AVERAGE
3		1.072	0.080	14.880	14.960	-31.040	46.000	AVERAGE
4		4.646	0.250	20.210	20.460	-25.540	46.000	AVERAGE
5	*	13.420	0.850	32.000	32.850	-17.150	50.000	AVERAGE
6		26.548	1.500	30.750	32.250	-17.750	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 : ShieldingrRoom 2	Time : 2008/06/09 - 22:21
Limit : CISPR_B_00M_QP	Margin : 0
Probe : QTK-LISN-SR2 - Line2	Power : AC 120V/60Hz
EUT : WIRELESS G ADSL2+ MODEM ROUTER	Note : Mode 1: Transmit (AMIGO)-B

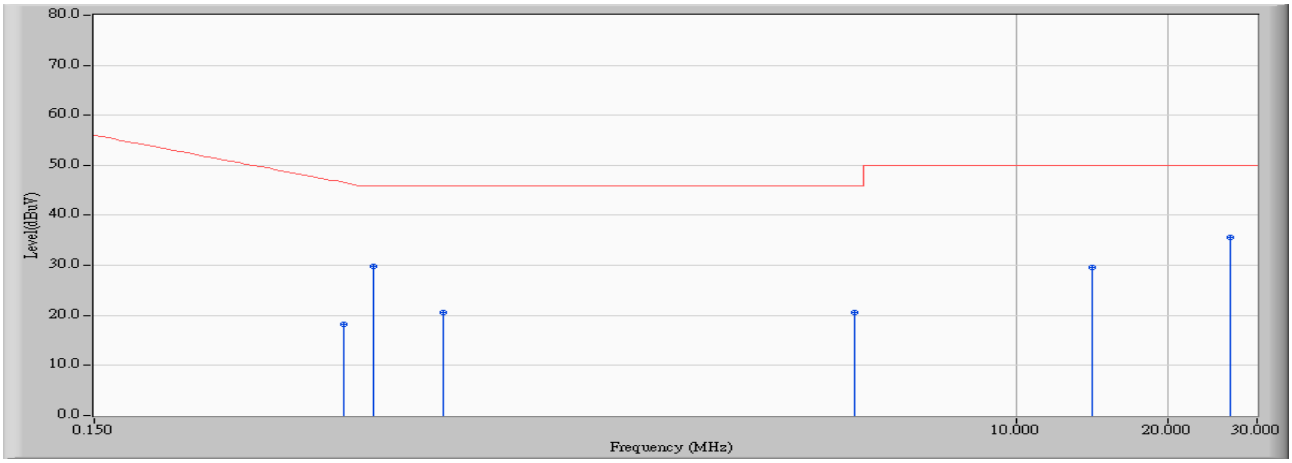


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1		0.466	0.050	22.380	22.430	-34.155	56.585	QUASIPEAK
2	*	0.537	0.050	35.120	35.170	-20.830	56.000	QUASIPEAK
3		0.736	0.060	23.800	23.860	-32.140	56.000	QUASIPEAK
4		4.779	0.220	27.960	28.180	-27.820	56.000	QUASIPEAK
5		14.150	0.700	31.660	32.360	-27.640	60.000	QUASIPEAK
6		26.548	1.140	37.500	38.640	-21.360	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 : ShieldingrRoom 2	Time : 2008/06/09 - 22:21
Limit : CISPR_B_00M_AV	Margin : 0
Probe : QTK-LISN-SR2 - Line2	Power : AC 120V/60Hz
EUT : WIRELESS G ADSL2+ MODEM ROUTER	Note : Mode 1: Transmit (AMIGO)-B

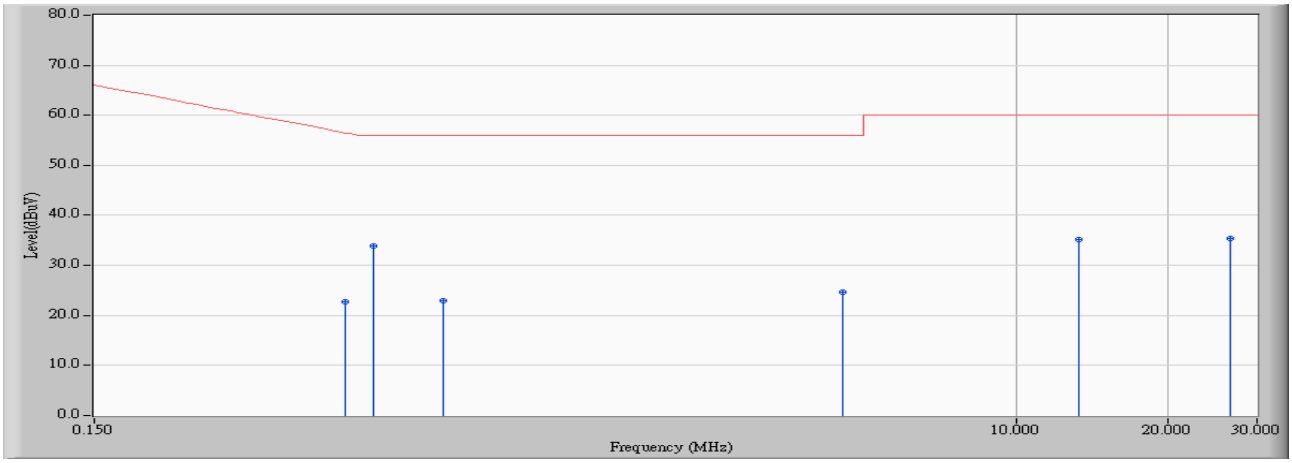


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1		0.466	0.050	18.260	18.310	-28.275	46.585	AVERAGE
2		0.537	0.050	29.750	29.800	-16.200	46.000	AVERAGE
3		0.736	0.060	20.580	20.640	-25.360	46.000	AVERAGE
4		4.779	0.220	20.380	20.600	-25.400	46.000	AVERAGE
5		14.150	0.700	28.870	29.570	-20.430	50.000	AVERAGE
6	*	26.548	1.140	34.440	35.580	-14.420	50.000	AVERAGE

Note:

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

Site : ShieldingrRoom 2	Time : 2008/06/09 - 22:25
Limit : CISPR_B_00M_QP	Margin : 0
Probe : QTK-LISN-SR2 - Line1	Power : AC 120V/60Hz
EUT : WIRELESS G ADSL2+ MODEM ROUTER	Note : Mode 1: Transmit (AMIGO)-G

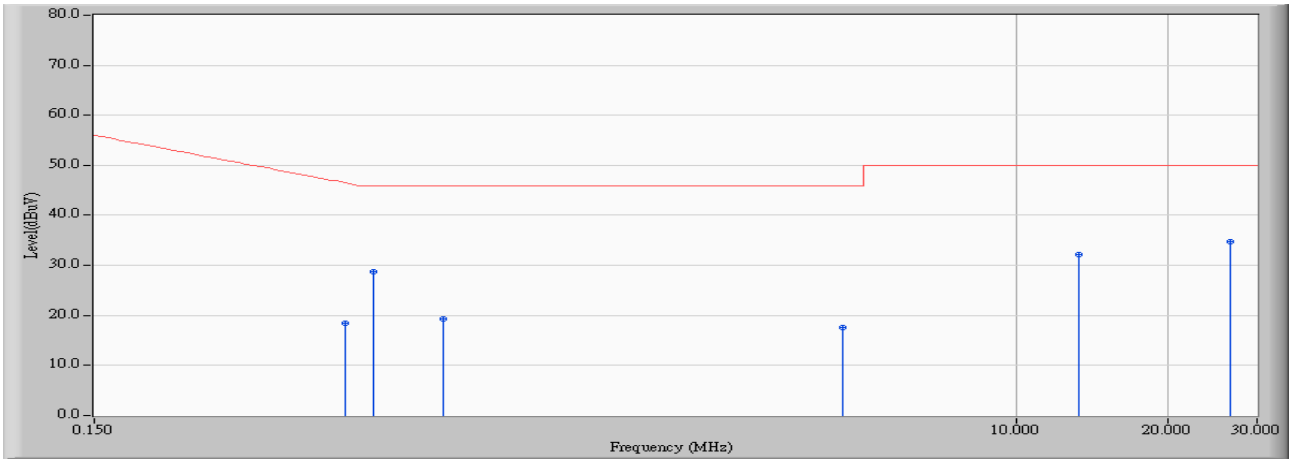


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1		0.470	0.060	22.700	22.760	-33.754	56.514	QUASIPEAK
2	*	0.537	0.060	33.730	33.790	-22.210	56.000	QUASIPEAK
3		0.736	0.070	22.830	22.900	-33.100	56.000	QUASIPEAK
4		4.537	0.240	24.460	24.700	-31.300	56.000	QUASIPEAK
5		13.357	0.850	34.270	35.120	-24.880	60.000	QUASIPEAK
6		26.611	1.500	33.840	35.340	-24.660	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 : ShieldingrRoom 2	Time : 2008/06/09 - 22:25
Limit : CISPR_B_00M_AV	Margin : 0
Probe : QTK-LISN-SR2 - Line1	Power : AC 120V/60Hz
EUT : WIRELESS G ADSL2+ MODEM ROUTER	Note : Mode 1: Transmit (AMIGO)-G

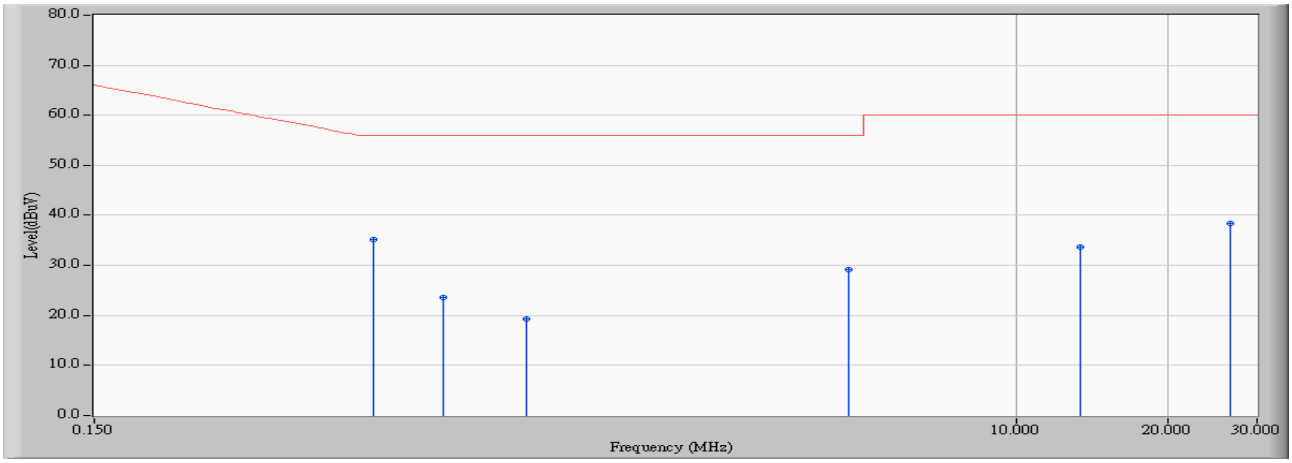


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1		0.470	0.060	18.330	18.390	-28.124	46.514	AVERAGE
2		0.537	0.060	28.600	28.660	-17.340	46.000	AVERAGE
3		0.736	0.070	19.160	19.230	-26.770	46.000	AVERAGE
4		4.537	0.240	17.280	17.520	-28.480	46.000	AVERAGE
5		13.357	0.850	31.310	32.160	-17.840	50.000	AVERAGE
6	*	26.611	1.500	33.240	34.740	-15.260	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 : ShieldingrRoom 2	Time : 2008/06/09 - 22:28
Limit : CISPR_B_00M_QP	Margin : 0
Probe : QTK-LISN-SR2 - Line2	Power : AC 120V/60Hz
EUT : WIRELESS G ADSL2+ MODEM ROUTER	Note : Mode 1: Transmit (AMIGO)-G

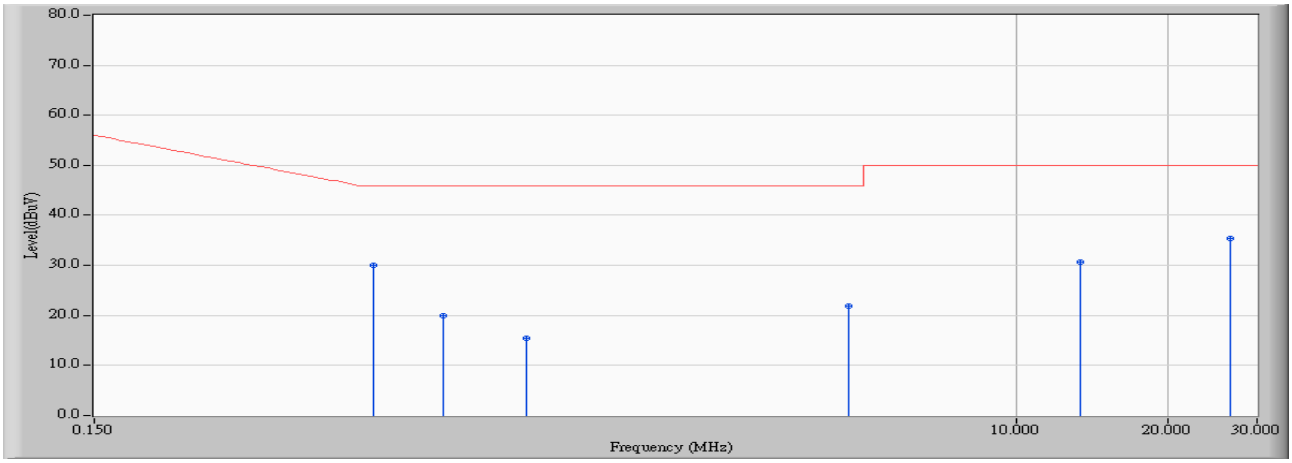


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1	*	0.537	0.050	35.140	35.190	-20.810	56.000	QUASIPEAK
2		0.736	0.060	23.620	23.680	-32.320	56.000	QUASIPEAK
3		1.072	0.060	19.250	19.310	-36.690	56.000	QUASIPEAK
4		4.666	0.210	28.920	29.130	-26.870	56.000	QUASIPEAK
5		13.420	0.660	33.100	33.760	-26.240	60.000	QUASIPEAK
6		26.486	1.140	37.170	38.310	-21.690	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 : ShieldingrRoom 2	Time : 2008/06/09 - 22:28
Limit : CISPR_B_00M_AV	Margin : 0
Probe : QTK-LISN-SR2 - Line2	Power : AC 120V/60Hz
EUT : WIRELESS G ADSL2+ MODEM ROUTER	Note : Mode 1: Transmit (AMIGO)-G

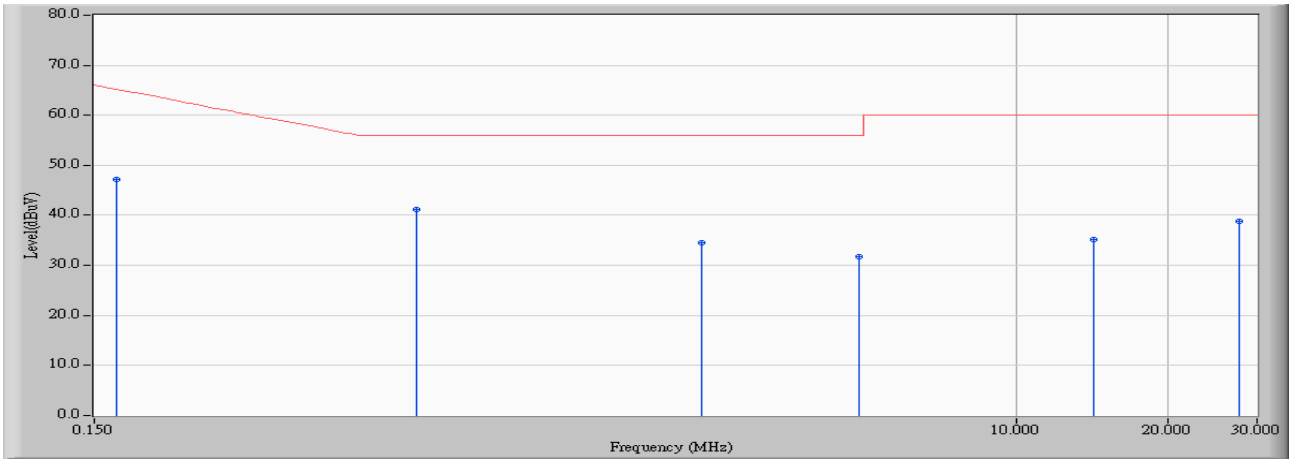


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1		0.537	0.050	29.900	29.950	-16.050	46.000	AVERAGE
2		0.736	0.060	19.930	19.990	-26.010	46.000	AVERAGE
3		1.072	0.060	15.410	15.470	-30.530	46.000	AVERAGE
4		4.666	0.210	21.730	21.940	-24.060	46.000	AVERAGE
5		13.420	0.660	30.030	30.690	-19.310	50.000	AVERAGE
6	*	26.486	1.140	34.210	35.350	-14.650	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 : ShieldingrRoom 2	Time : 2008/06/09 - 20:34
Limit : CISPR_B_00M_QP	Margin : 0
Probe : QTK-LISN-SR2 - Line1	Power : AC 120V/60Hz
EUT : WIRELESS G ADSL2+ MODEM ROUTER	Note : Mode 2: Transmit (D-Link)-B

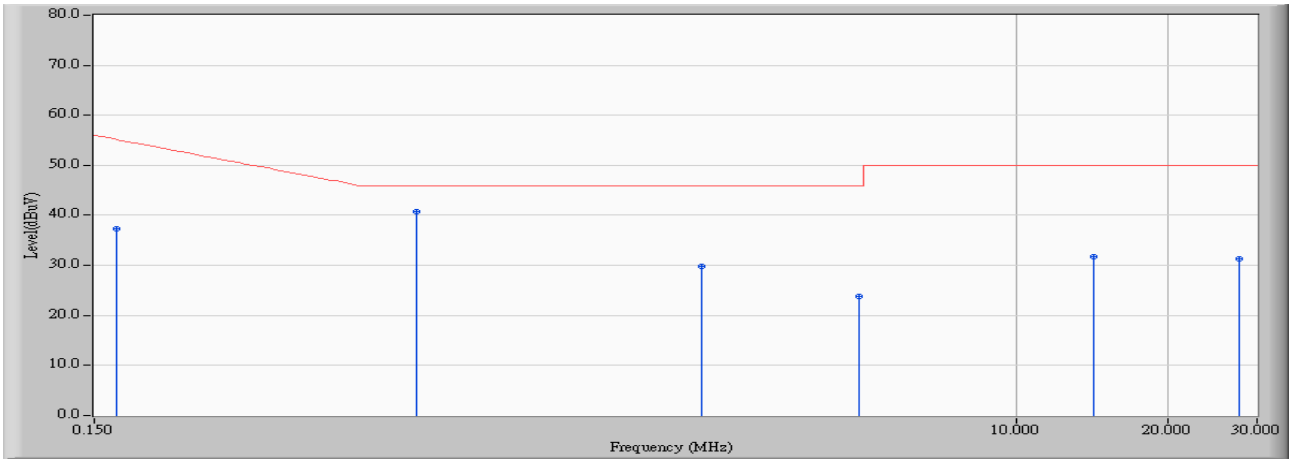


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1		0.166	0.040	47.180	47.220	-17.942	65.162	QUASIPEAK
2	*	0.650	0.070	41.060	41.130	-14.870	56.000	QUASIPEAK
3		2.388	0.130	34.410	34.540	-21.460	56.000	QUASIPEAK
4		4.888	0.266	31.430	31.696	-24.304	56.000	QUASIPEAK
5		14.275	0.930	34.290	35.220	-24.780	60.000	QUASIPEAK
6		27.615	1.530	37.370	38.900	-21.100	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 : ShieldingrRoom 2	Time : 2008/06/09 - 20:34
Limit : CISPR_B_00M_AV	Margin : 0
Probe : QTK-LISN-SR2 - Line1	Power : AC 120V/60Hz
EUT : WIRELESS G ADSL2+ MODEM ROUTER	Note : Mode 2: Transmit (D-Link)-B

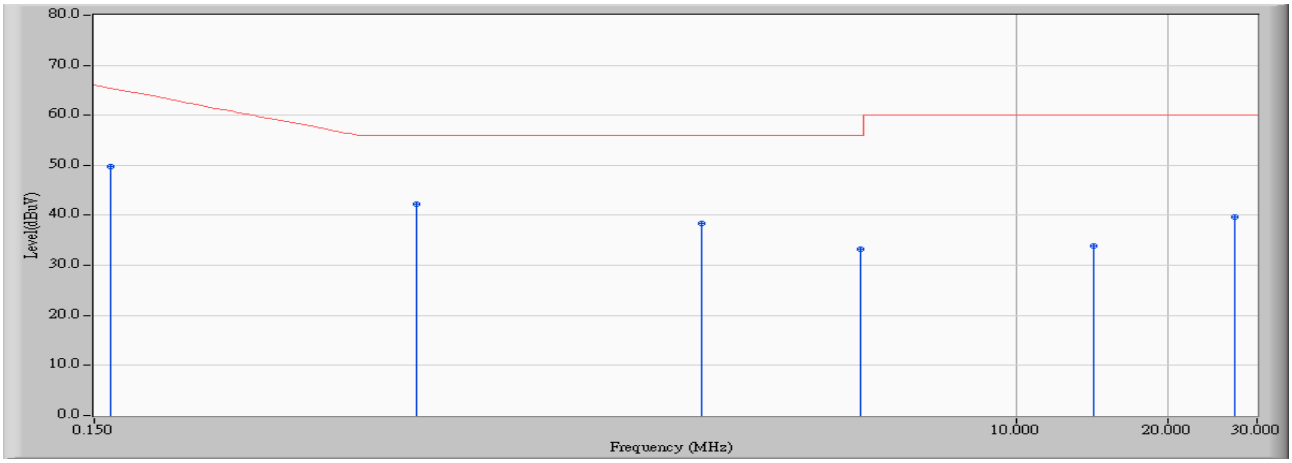


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1		0.166	0.040	37.230	37.270	-17.892	55.162	AVERAGE
2	*	0.650	0.070	40.660	40.730	-5.270	46.000	AVERAGE
3		2.388	0.130	29.620	29.750	-16.250	46.000	AVERAGE
4		4.888	0.266	23.540	23.806	-22.194	46.000	AVERAGE
5		14.275	0.930	30.850	31.780	-18.220	50.000	AVERAGE
6		27.615	1.530	29.850	31.380	-18.620	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 : ShieldingrRoom 2	Time : 2008/06/09 - 20:38
Limit : CISPR_B_00M_QP	Margin : 0
Probe : QTK-LISN-SR2 - Line2	Power : AC 120V/60Hz
EUT : WIRELESS G ADSL2+ MODEM ROUTER	Note : Mode 2: Transmit (D-Link)-B

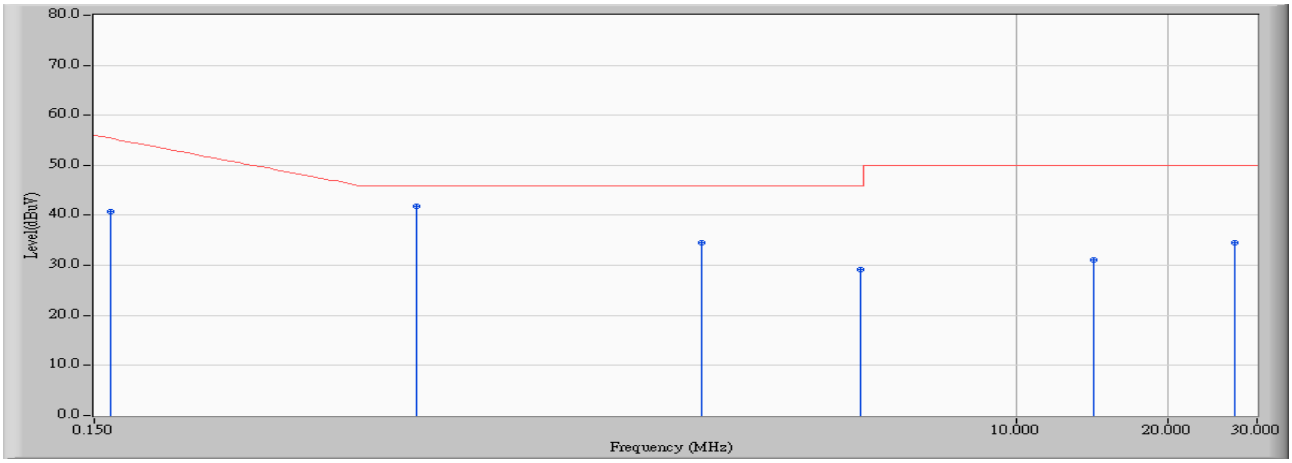


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1		0.162	0.030	49.800	49.830	-15.533	65.363	QUASIPEAK
2	*	0.650	0.050	42.300	42.350	-13.650	56.000	QUASIPEAK
3		2.387	0.110	38.260	38.370	-17.630	56.000	QUASIPEAK
4		4.937	0.223	33.090	33.313	-22.687	56.000	QUASIPEAK
5		14.275	0.720	33.220	33.940	-26.060	60.000	QUASIPEAK
6		27.158	1.140	38.550	39.690	-20.310	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 : ShieldingrRoom 2	Time : 2008/06/09 - 20:38
Limit : CISPR_B_00M_AV	Margin : 0
Probe : QTK-LISN-SR2 - Line2	Power : AC 120V/60Hz
EUT : WIRELESS G ADSL2+ MODEM ROUTER	Note : Mode 2: Transmit (D-Link)-B

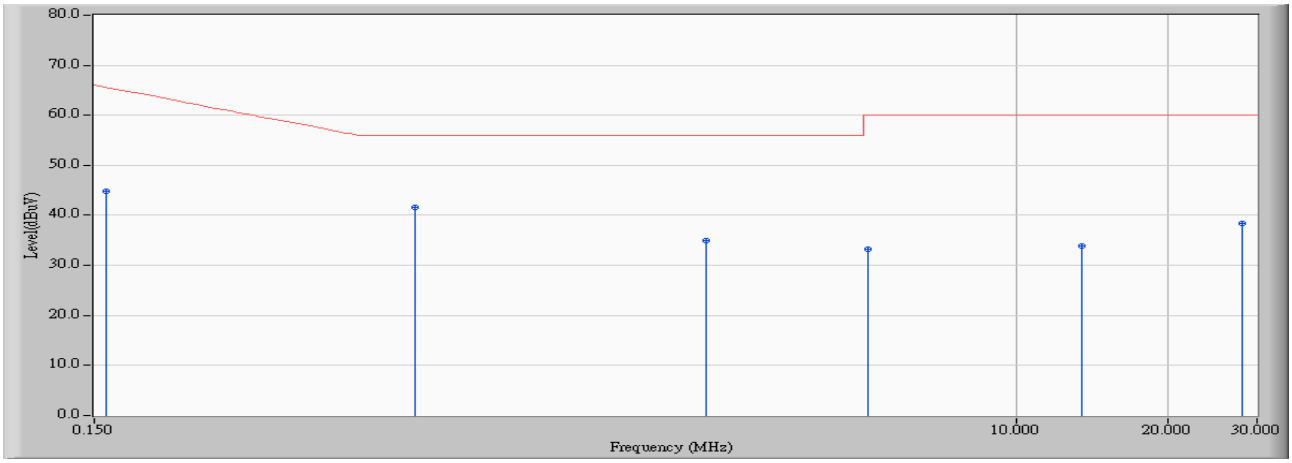


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1		0.162	0.030	40.670	40.700	-14.663	55.363	AVERAGE
2	*	0.650	0.050	41.880	41.930	-4.070	46.000	AVERAGE
3		2.387	0.110	34.340	34.450	-11.550	46.000	AVERAGE
4		4.937	0.223	28.940	29.163	-16.837	46.000	AVERAGE
5		14.275	0.720	30.440	31.160	-18.840	50.000	AVERAGE
6		27.158	1.140	33.420	34.560	-15.440	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 : ShieldingrRoom 2	Time : 2008/06/09 - 20:47
Limit : CISPR_B_00M_QP	Margin : 0
Probe : QTK-LISN-SR2 - Line1	Power : AC 120V/60Hz
EUT : WIRELESS G ADSL2+ MODEM ROUTER	Note : Mode 2: Transmit (D-Link)-G

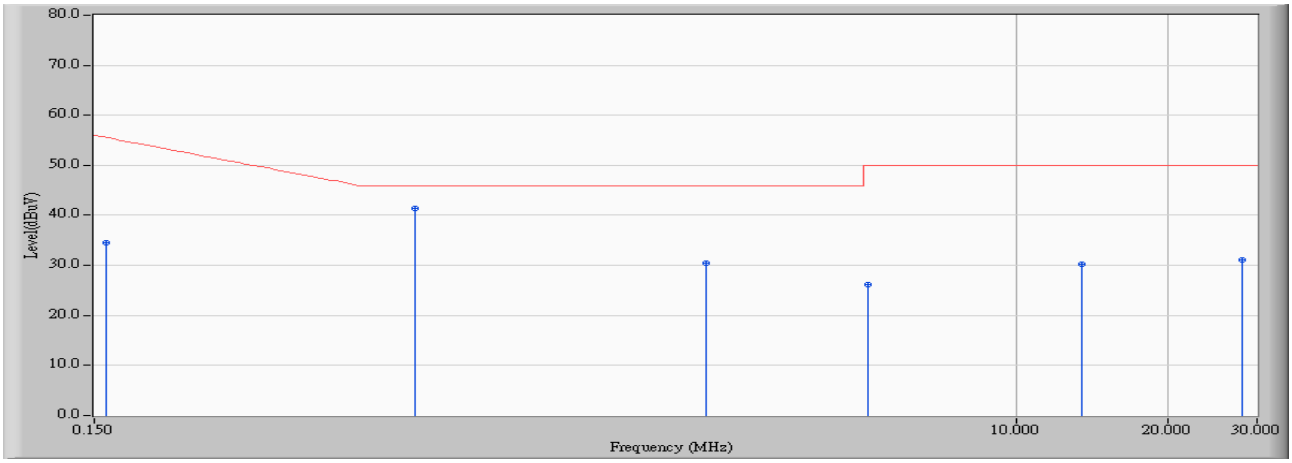


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1		0.158	0.040	44.760	44.800	-20.771	65.571	QUASIPEAK
2	*	0.649	0.070	41.640	41.710	-14.290	56.000	QUASIPEAK
3		2.435	0.130	34.750	34.880	-21.120	56.000	QUASIPEAK
4		5.081	0.270	32.930	33.200	-26.800	60.000	QUASIPEAK
5		13.482	0.860	33.080	33.940	-26.060	60.000	QUASIPEAK
6		27.947	1.540	36.810	38.350	-21.650	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 : ShieldingrRoom 2	Time : 2008/06/09 - 20:47
Limit : CISPR_B_00M_AV	Margin : 0
Probe : QTK-LISN-SR2 - Line1	Power : AC 120V/60Hz
EUT : WIRELESS G ADSL2+ MODEM ROUTER	Note : Mode 2: Transmit (D-Link)-G

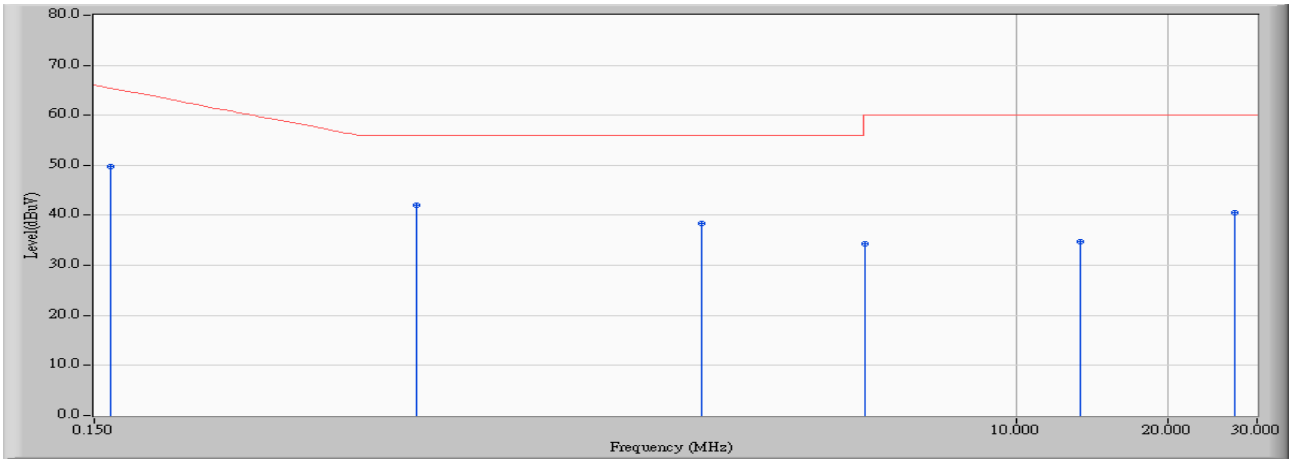


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1		0.158	0.040	34.560	34.600	-20.971	55.571	AVERAGE
2	*	0.649	0.070	41.250	41.320	-4.680	46.000	AVERAGE
3		2.435	0.130	30.290	30.420	-15.580	46.000	AVERAGE
4		5.081	0.270	25.960	26.230	-23.770	50.000	AVERAGE
5		13.482	0.860	29.420	30.280	-19.720	50.000	AVERAGE
6		27.947	1.540	29.540	31.080	-18.920	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 : ShieldingrRoom 2	Time : 2008/06/09 - 20:50
Limit : CISPR_B_00M_QP	Margin : 0
Probe : QTK-LISN-SR2 - Line2	Power : AC 120V/60Hz
EUT : WIRELESS G ADSL2+ MODEM ROUTER	Note : Mode 2: Transmit (D-Link)-G

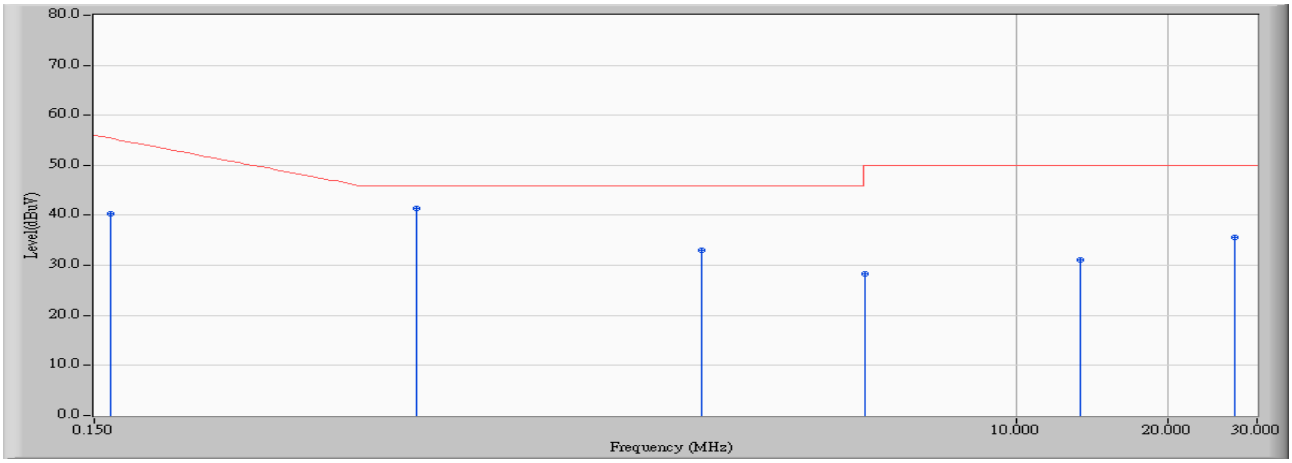


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1		0.162	0.030	49.640	49.670	-15.693	65.363	QUASIPEAK
2	*	0.650	0.050	41.940	41.990	-14.010	56.000	QUASIPEAK
3		2.380	0.110	38.280	38.390	-17.610	56.000	QUASIPEAK
4		5.025	0.230	34.130	34.360	-25.640	60.000	QUASIPEAK
5		13.420	0.660	33.990	34.650	-25.350	60.000	QUASIPEAK
6		27.158	1.140	39.440	40.580	-19.420	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 : ShieldingrRoom 2	Time : 2008/06/09 - 20:50
Limit : CISPR_B_00M_AV	Margin : 0
Probe : QTK-LISN-SR2 - Line2	Power : AC 120V/60Hz
EUT : WIRELESS G ADSL2+ MODEM ROUTER	Note : Mode 2: Transmit (D-Link)-G

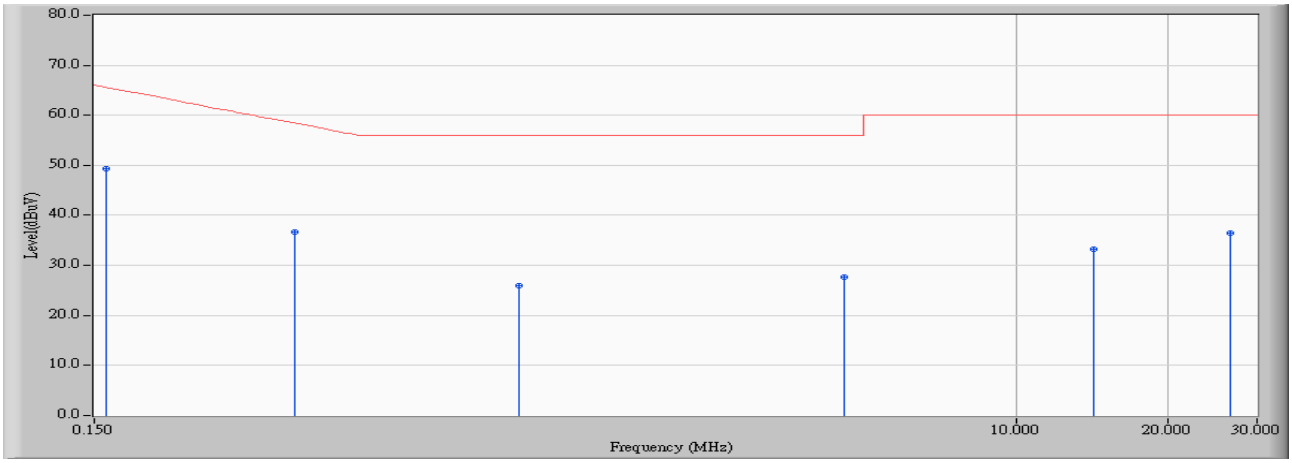


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1		0.162	0.030	40.210	40.240	-15.123	55.363	AVERAGE
2	*	0.650	0.050	41.330	41.380	-4.620	46.000	AVERAGE
3		2.380	0.110	32.900	33.010	-12.990	46.000	AVERAGE
4		5.025	0.230	28.180	28.410	-21.590	50.000	AVERAGE
5		13.420	0.660	30.400	31.060	-18.940	50.000	AVERAGE
6		27.158	1.140	34.490	35.630	-14.370	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 : ShieldingrRoom 2	Time : 2008/06/09 - 21:46
Limit : CISPR_B_00M_QP	Margin : 0
Probe : QTK-LISN-SR2 - Line1	Power : AC 120V/60Hz
EUT : WIRELESS G ADSL2+ MODEM ROUTER	Note : Mode 3: Transmit (FAIRWAY)-B

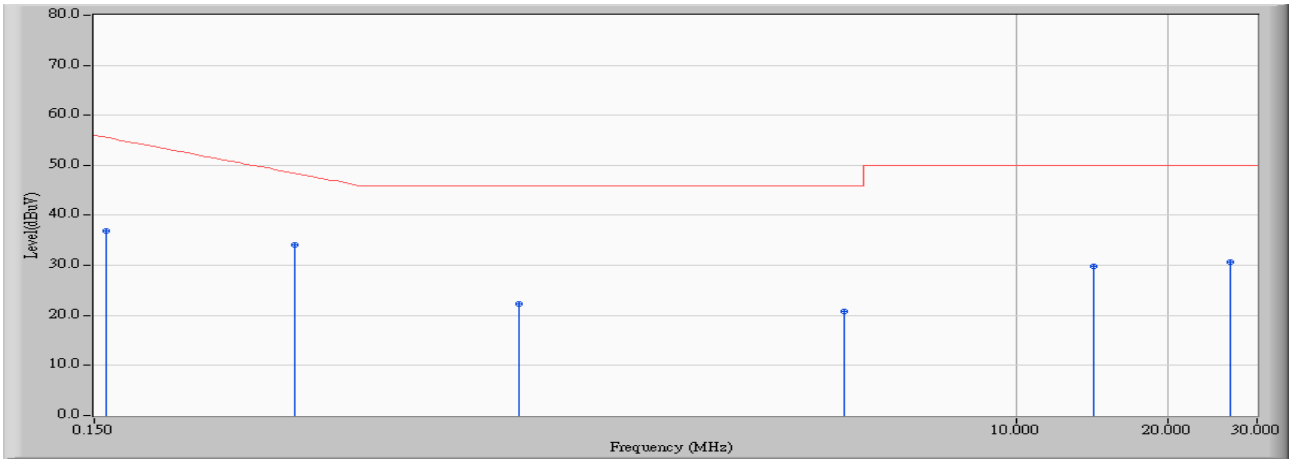


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1	*	0.158	0.040	49.250	49.290	-16.281	65.571	QUASIPEAK
2		0.373	0.060	36.690	36.750	-21.684	58.434	QUASIPEAK
3		1.037	0.080	25.840	25.920	-30.080	56.000	QUASIPEAK
4		4.576	0.240	27.510	27.750	-28.250	56.000	QUASIPEAK
5		14.211	0.920	32.330	33.250	-26.750	60.000	QUASIPEAK
6		26.611	1.500	34.970	36.470	-23.530	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 : ShieldingrRoom 2	Time : 2008/06/09 - 21:46
Limit : CISPR_B_00M_AV	Margin : 0
Probe : QTK-LISN-SR2 - Line1	Power : AC 120V/60Hz
EUT : WIRELESS G ADSL2+ MODEM ROUTER	Note : Mode 3: Transmit (FAIRWAY)-B

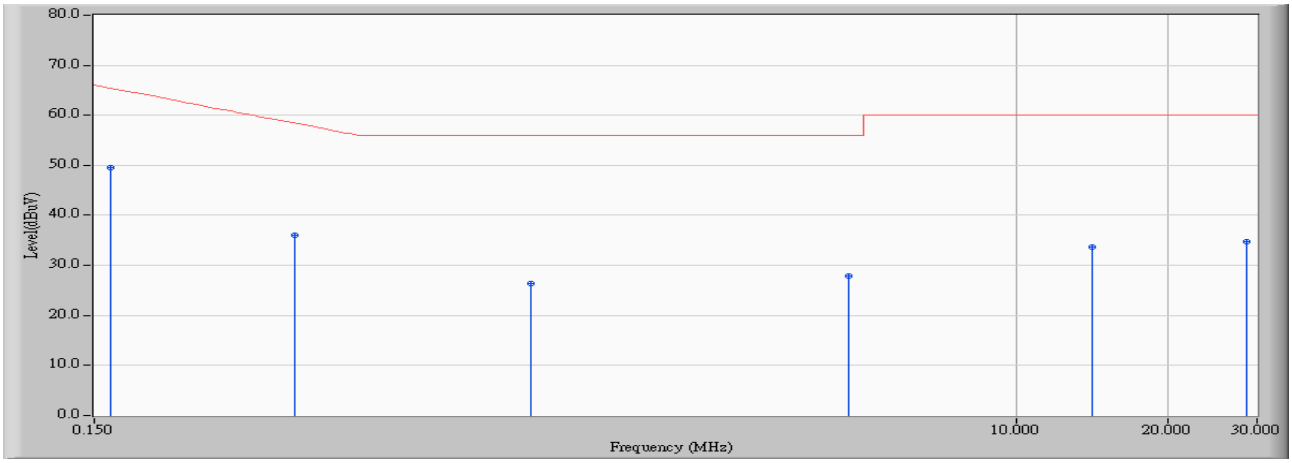


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1		0.158	0.040	36.940	36.980	-18.591	55.571	AVERAGE
2	*	0.373	0.060	34.030	34.090	-14.344	48.434	AVERAGE
3		1.037	0.080	22.240	22.320	-23.680	46.000	AVERAGE
4		4.576	0.240	20.580	20.820	-25.180	46.000	AVERAGE
5		14.211	0.920	28.880	29.800	-20.200	50.000	AVERAGE
6		26.611	1.500	29.100	30.600	-19.400	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 : ShieldingrRoom 2	Time : 2008/06/09 - 21:50
Limit : CISPR_B_00M_QP	Margin : 0
Probe : QTK-LISN-SR2 - Line2	Power : AC 120V/60Hz
EUT : WIRELESS G ADSL2+ MODEM ROUTER	Note : Mode 3: Transmit (FAIRWAY)-B

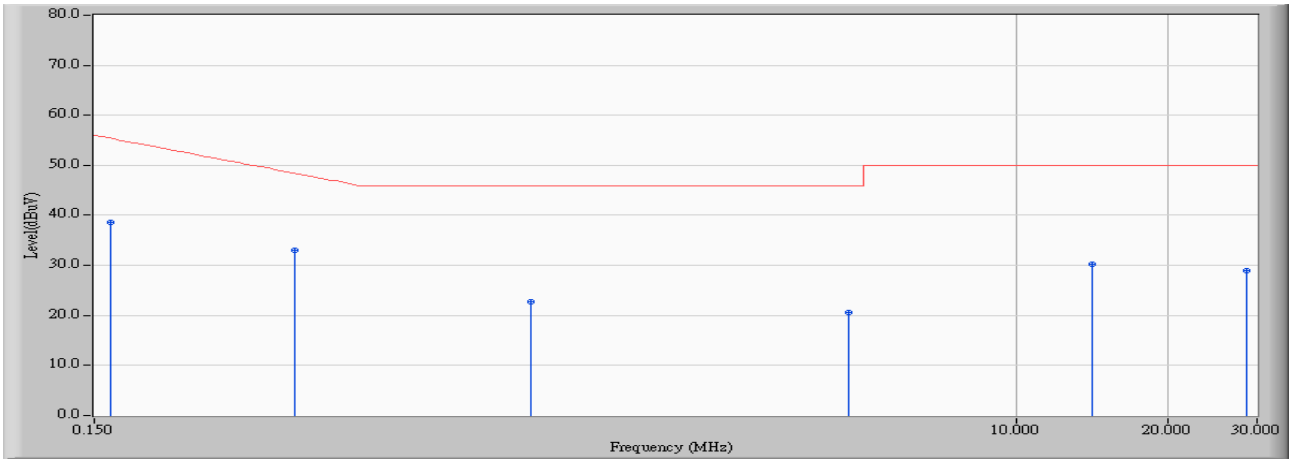


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1	*	0.162	0.030	49.620	49.650	-15.713	65.363	QUASIPEAK
2		0.373	0.050	35.880	35.930	-22.504	58.434	QUASIPEAK
3		1.097	0.060	26.220	26.280	-29.720	56.000	QUASIPEAK
4		4.666	0.210	27.670	27.880	-28.120	56.000	QUASIPEAK
5		14.151	0.700	32.950	33.650	-26.350	60.000	QUASIPEAK
6		28.685	1.150	33.590	34.740	-25.260	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 : ShieldingrRoom 2	Time : 2008/06/09 - 21:50
Limit : CISPR_B_00M_AV	Margin : 0
Probe : QTK-LISN-SR2 - Line2	Power : AC 120V/60Hz
EUT : WIRELESS G ADSL2+ MODEM ROUTER	Note : Mode 3: Transmit (FAIRWAY)-B

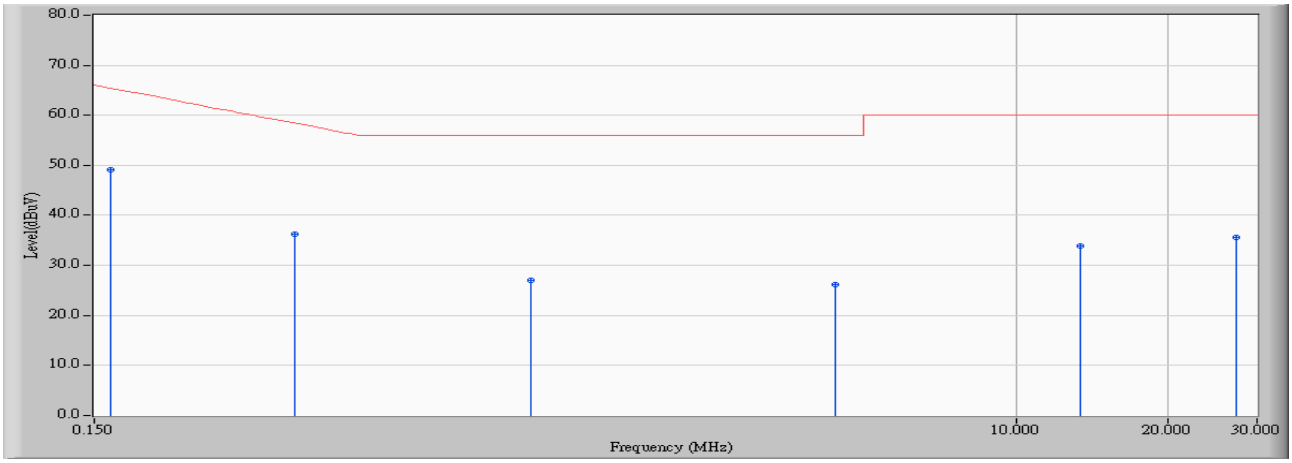


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1		0.162	0.030	38.560	38.590	-16.773	55.363	AVERAGE
2	*	0.373	0.050	32.960	33.010	-15.424	48.434	AVERAGE
3		1.097	0.060	22.770	22.830	-23.170	46.000	AVERAGE
4		4.666	0.210	20.450	20.660	-25.340	46.000	AVERAGE
5		14.151	0.700	29.530	30.230	-19.770	50.000	AVERAGE
6		28.685	1.150	27.730	28.880	-21.120	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 : ShieldingrRoom 2	Time : 2008/06/09 - 21:54
Limit : CISPR_B_00M_QP	Margin : 0
Probe : QTK-LISN-SR2 - Line1	Power : AC 120V/60Hz
EUT : WIRELESS G ADSL2+ MODEM ROUTER	Note : Mode 3: Transmit (FAIRWAY)-G

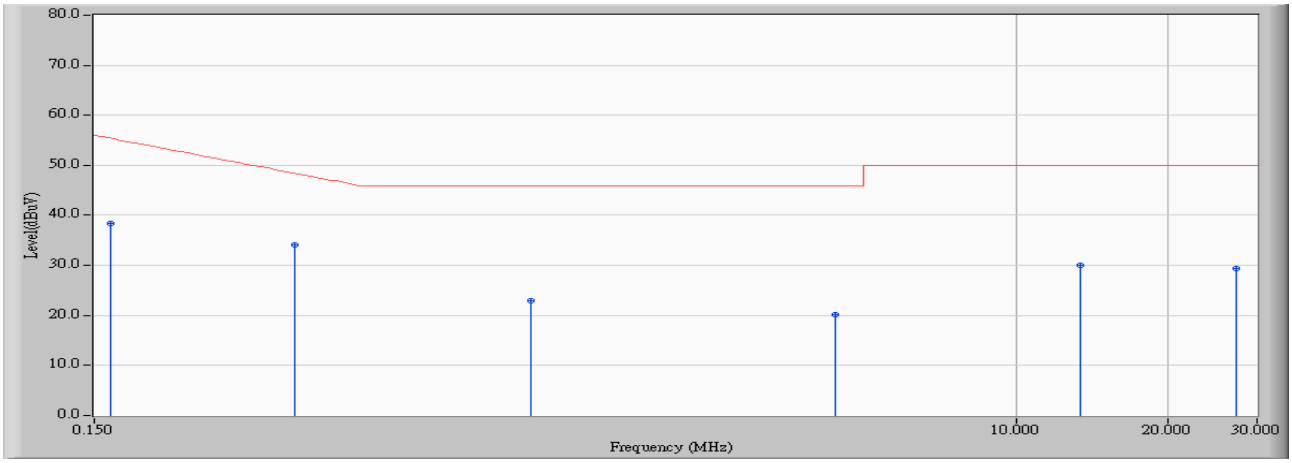


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1	*	0.162	0.040	49.000	49.040	-16.323	65.363	QUASIPEAK
2		0.373	0.060	36.220	36.280	-22.154	58.434	QUASIPEAK
3		1.095	0.080	26.880	26.960	-29.040	56.000	QUASIPEAK
4		4.377	0.236	25.920	26.156	-29.844	56.000	QUASIPEAK
5		13.420	0.850	33.140	33.990	-26.010	60.000	QUASIPEAK
6		27.341	1.520	34.130	35.650	-24.350	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 : ShieldingrRoom 2	Time : 2008/06/09 - 21:54
Limit : CISPR_B_00M_AV	Margin : 0
Probe : QTK-LISN-SR2 - Line1	Power : AC 120V/60Hz
EUT : WIRELESS G ADSL2+ MODEM ROUTER	Note : Mode 3: Transmit (FAIRWAY)-G

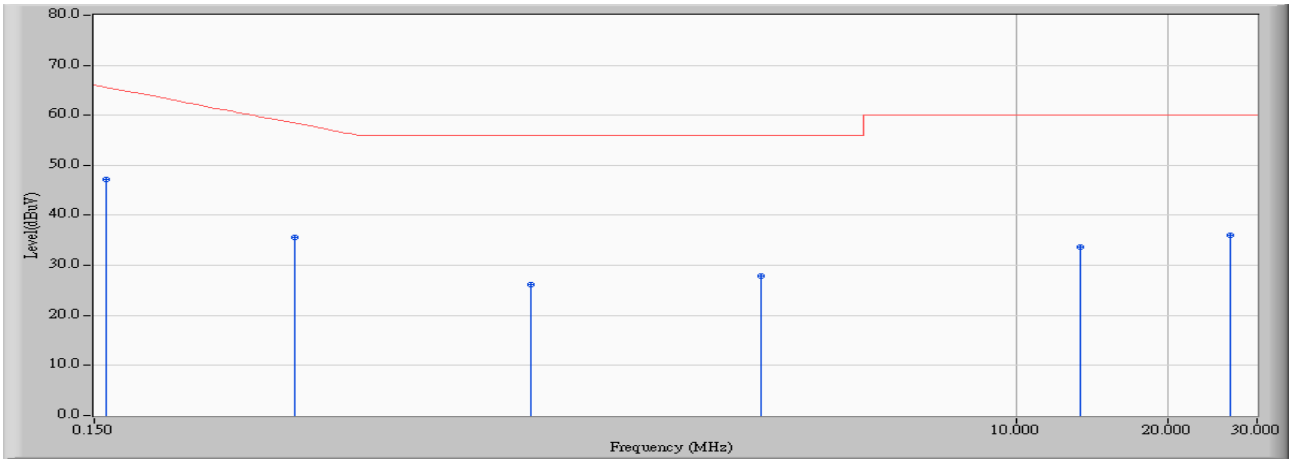


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1		0.162	0.040	38.360	38.400	-16.963	55.363	AVERAGE
2	*	0.373	0.060	33.940	34.000	-14.434	48.434	AVERAGE
3		1.095	0.080	22.850	22.930	-23.070	46.000	AVERAGE
4		4.377	0.236	19.840	20.076	-25.924	46.000	AVERAGE
5		13.420	0.850	29.090	29.940	-20.060	50.000	AVERAGE
6		27.341	1.520	27.760	29.280	-20.720	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 : ShieldingrRoom 2	Time : 2008/06/09 - 21:59
Limit : CISPR_B_00M_QP	Margin : 0
Probe : QTK-LISN-SR2 - Line2	Power : AC 120V/60Hz
EUT : WIRELESS G ADSL2+ MODEM ROUTER	Note : Mode 3: Transmit (FAIRWAY)-G

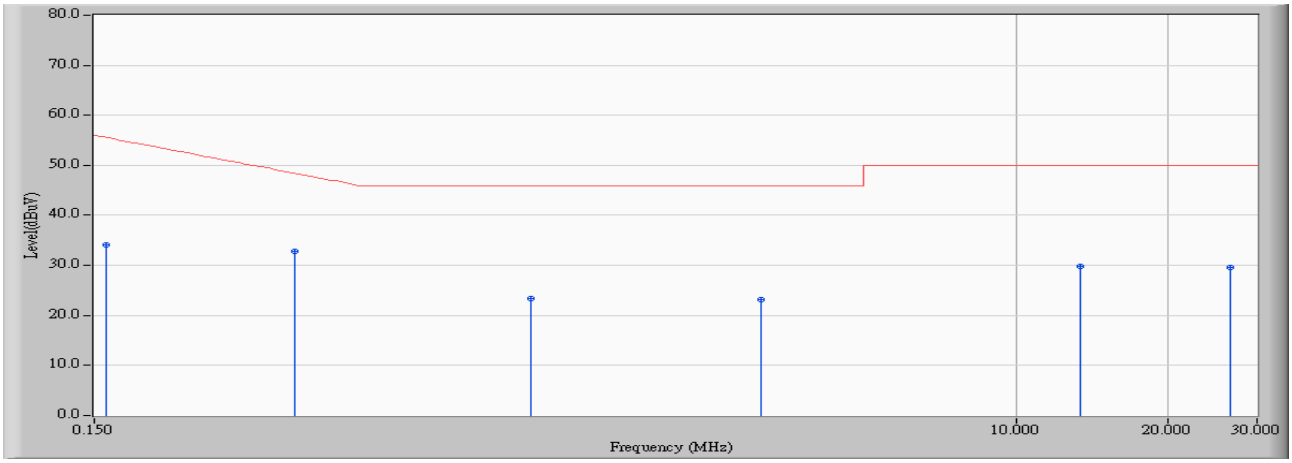


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1	*	0.158	0.030	47.250	47.280	-18.291	65.571	QUASIPEAK
2		0.373	0.050	35.560	35.610	-22.824	58.434	QUASIPEAK
3		1.096	0.060	26.140	26.200	-29.800	56.000	QUASIPEAK
4		3.130	0.140	27.800	27.940	-28.060	56.000	QUASIPEAK
5		13.420	0.660	33.080	33.740	-26.260	60.000	QUASIPEAK
6		26.548	1.140	34.830	35.970	-24.030	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 : ShieldingrRoom 2	Time : 2008/06/09 - 21:59
Limit : CISPR_B_00M_AV	Margin : 0
Probe : QTK-LISN-SR2 - Line2	Power : AC 120V/60Hz
EUT : WIRELESS G ADSL2+ MODEM ROUTER	Note : Mode 3: Transmit (FAIRWAY)-G



		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1		0.158	0.030	34.110	34.140	-21.431	55.571	AVERAGE
2	*	0.373	0.050	32.850	32.900	-15.534	48.434	AVERAGE
3		1.096	0.060	23.340	23.400	-22.600	46.000	AVERAGE
4		3.130	0.140	22.960	23.100	-22.900	46.000	AVERAGE
5		13.420	0.660	29.090	29.750	-20.250	50.000	AVERAGE
6		26.548	1.140	28.450	29.590	-20.410	50.000	AVERAGE

Note:

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

3. Peak Power Output

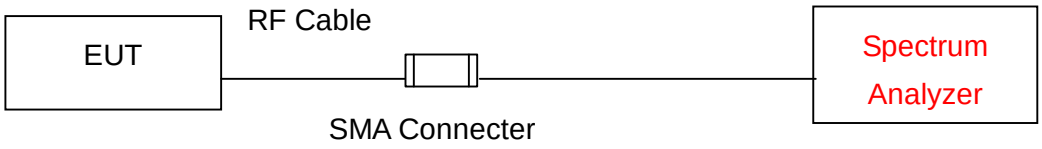
3.1. Test Equipment

The following test equipments are used during the test:

Item	Equipment	Manufacturer	Model No. / Serial No.	Last Cal.
1	Spectrum Analyzer	R & S	FSP / 100561	Jan., 2008
2	No.1 OATS			Sep., 2007

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

3.2. Test Setup



3.3. Test procedures

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

3.4. Limits

The maximum peak power shall be less 1 Watt.

3.5. Uncertainty

The measurement uncertainty is defined as ± 1.27 dB.

3.6. Test Result

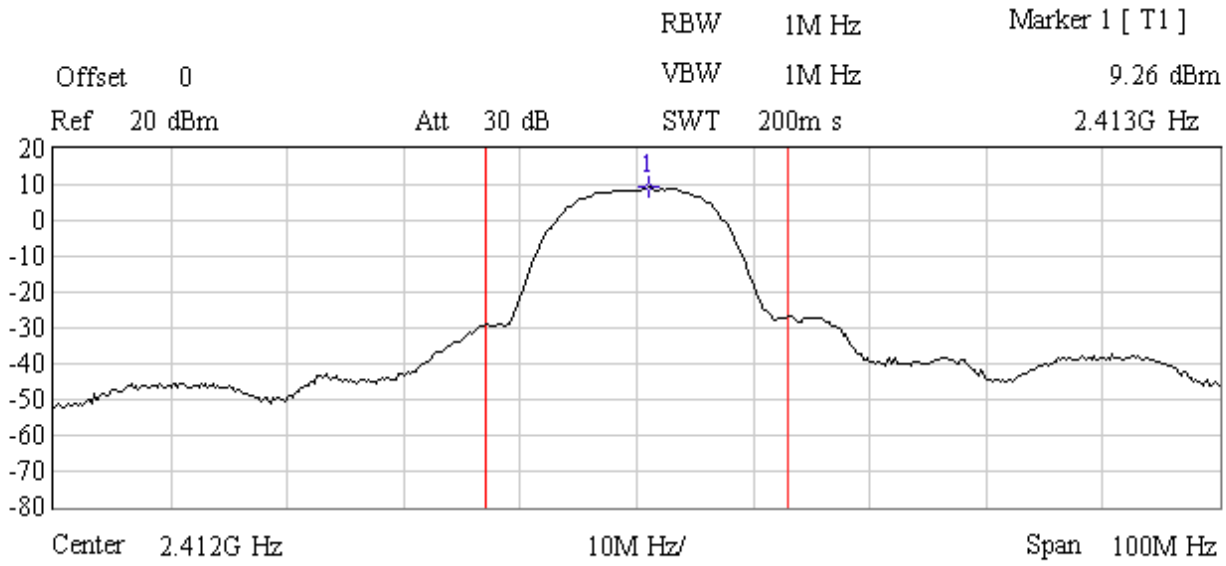
Product	WIRELESS G ADSL2+ MODEM ROUTER		
Test Item	Peak Power Output		
Test Mode	Transmit		
Date of Test	2008/06/05	Test Site	No.1 OATS

IEEE 802.11b				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
1	2412.00	18.41	1Watt= 30 dBm	Pass
6	2437.00	19.17	1Watt= 30 dBm	Pass
11	2462.00	18.65	1Watt= 30 dBm	Pass

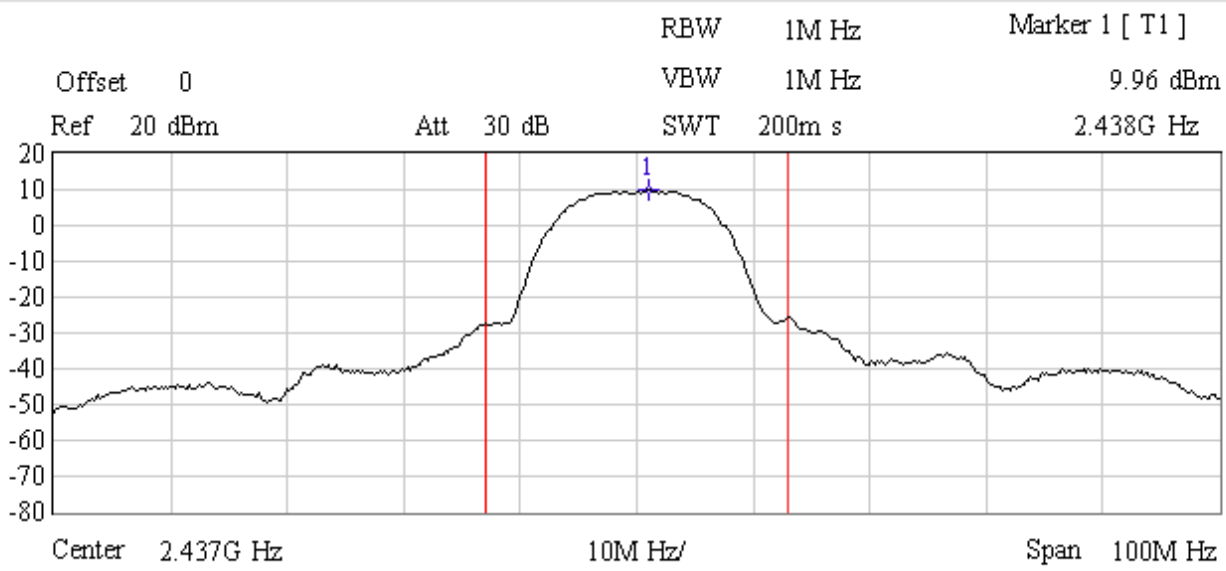
Peak Power Output Value (dBm)						
Channel No.	Frequency (MHz)	Data Rate				Required Limit
		1 Mbps	2Mbps	5.5Mbps	11Mbps	
1	2412.00	18.41	--	--	--	1Watt= 30 dBm
6	2437.00	19.17	19.16	19.14	19.13	1Watt= 30 dBm
11	2462.00	18.65	--	--	--	1Watt= 30 dBm

Note: Peak Power Output Value =Reading value on Spectrum Analyzer + cable loss

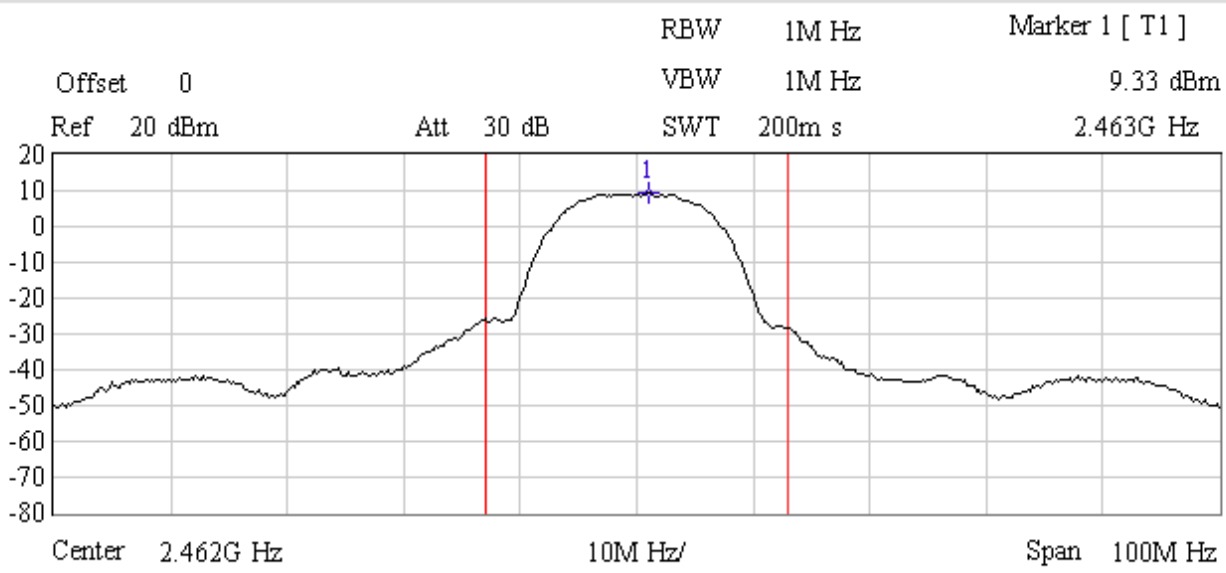
Channel 1


RBW 1M Hz
Marker 1 [T1]
Offset 0
VBW 1M Hz
9.26 dBm
Ref 20 dBm
Att 30 dB
SWT 200m s
2.413G Hz
20
10
0
-10
-20
-30
-40
-50
-60
-70
-80
1
Center 2.412G Hz
10M Hz/
Span 100M Hz
Tx Channel
Bandwidth
26M Hz
Power
18.41 dBm

Channel 6


RBW 1M Hz
Marker 1 [T1]
Offset 0
VBW 1M Hz
9.96 dBm
Ref 20 dBm
Att 30 dB
SWT 200m s
2.438G Hz
20
10
0
-10
-20
-30
-40
-50
-60
-70
-80
1
Center 2.437G Hz
10M Hz/
Span 100M Hz
Tx Channel
Bandwidth
26M Hz
Power
19.17 dBm

Channel 11


RBW 1M Hz
Marker 1 [T1]
Offset 0
VBW 1M Hz
9.33 dBm
Ref 20 dBm
Att 30 dB
SWT 200m s
2.463G Hz
20
10
0
-10
-20
-30
-40
-50
-60
-70
-80
1
Center 2.462G Hz
10M Hz/
Span 100M Hz
Tx Channel
Bandwidth
26M Hz
Power
18.65 dBm

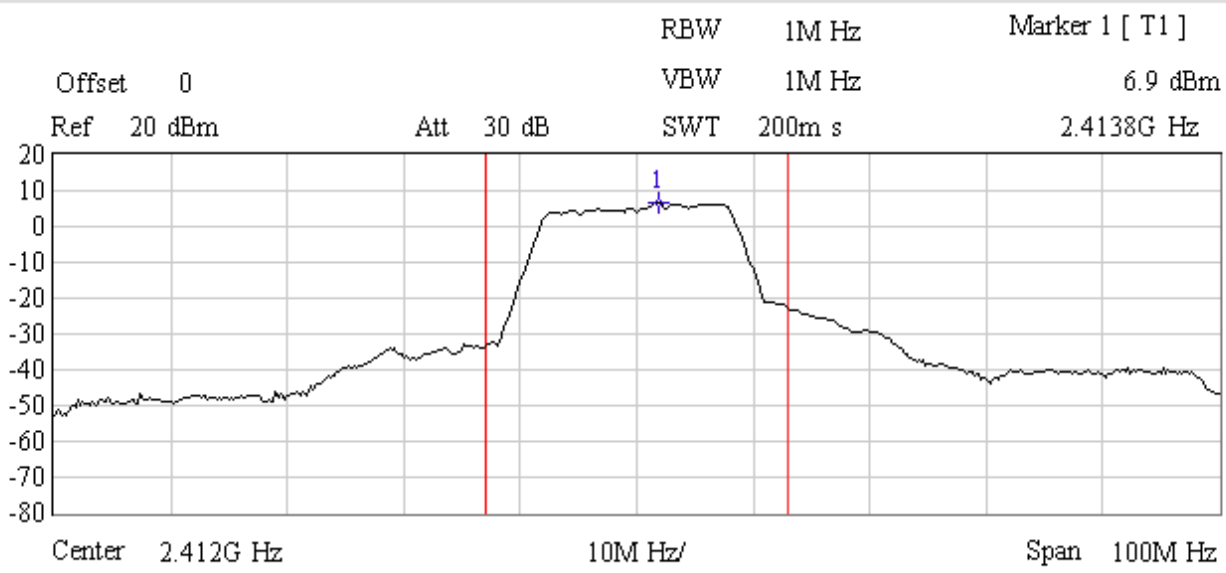
Product	WIRELESS G ADSL2+ MODEM ROUTER		
Test Item	Peak Power Output		
Test Mode	Transmit		
Date of Test	2008/06/05	Test Site	No.1 OATS

IEEE 802.11g				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
1	2412.00	16.79	1Watt= 30 dBm	Pass
6	2437.00	17.87	1Watt= 30 dBm	Pass
11	2462.00	17.13	1Watt= 30 dBm	Pass

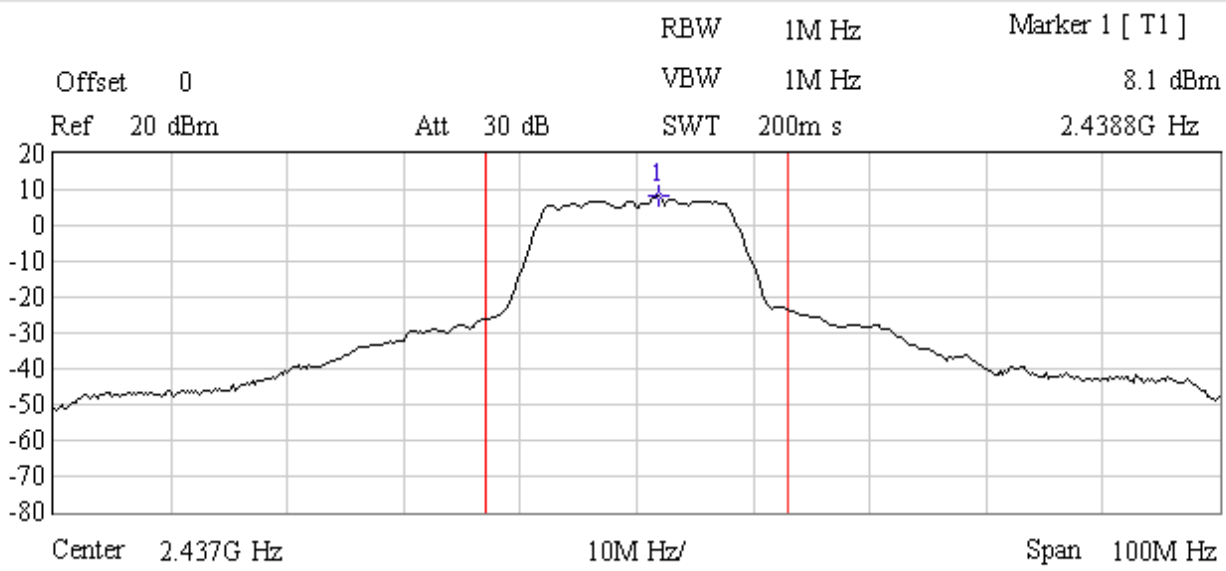
Peak Power Output Value(dBm)										
Channel No.	Frequency (MHz)	Data Rate (Mbps)								Required Limit
		6 Mbps	9 Mbps	12 Mbps	18 Mbps	24 Mbps	36 Mbps	48 Mbps	54 Mbps	
1	2412.00	16.79	--	--	--	--	--	--	--	1Watt= 30 dBm
6	2437.00	17.87	17.64	17.53	17.54	17.56	17.47	17.36	17.47	1Watt= 30 dBm
11	2462.00	17.13	--	--	--	--	--	--	--	1Watt= 30 dBm

Note: Peak Power Output Value =Reading value on Spectrum Analyzer + cable loss

Channel 1

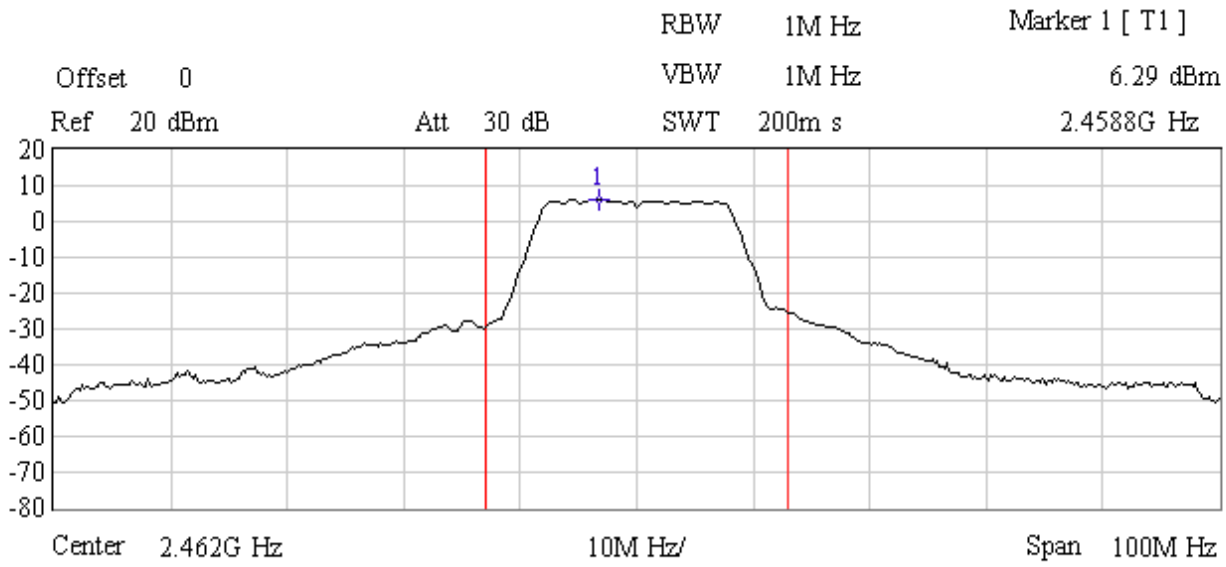

RBW 1M Hz
Marker 1 [T1]
Offset 0
VBW 1M Hz
6.9 dBm
Ref 20 dBm
Att 30 dB
SWT 200m s
2.4138G Hz
20
10
0
-10
-20
-30
-40
-50
-60
-70
-80
1
Center 2.412G Hz
10M Hz/
Span 100M Hz
Tx Channel
Bandwidth
26M Hz
Power
16.79 dBm

Channel 6



Tx Channel 26M Hz **Power** **17.87 dBm**
Bandwidth

Channel 11



Tx Channel 26M Hz **Power** **17.13 dBm**
Bandwidth

4. Radiated Emission

4.1. Test Equipment

The following test equipments are used during the test:

Radiated Emission / Site2

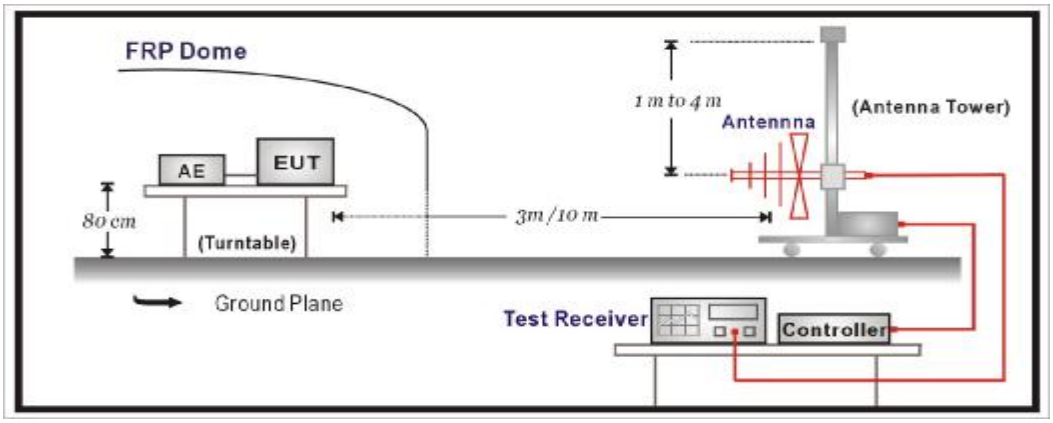
Instrument	Manufacturer	Type No.	Serial No	Cal. Date
Bilog Antenna	Schaffner Chase	CBL6112B	2708	2007/09/03
Horn Antenna	Electro Metrics	EM-6961	103325	2008/03/15
Pre-Amplifier	HP	8449B	3008A01123	2007/11/15
Pre-Amplifier	QuieTek	AP-025C	002	N/A
Spectrum Analyzer	R & S	FSP40	100005	2007/08/25
Spectrum Analyzer	Advantest	R3162	121200166	2008/02/19
Test Receiver	R & S	ESCS 30	836858/023	2008/04/01

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

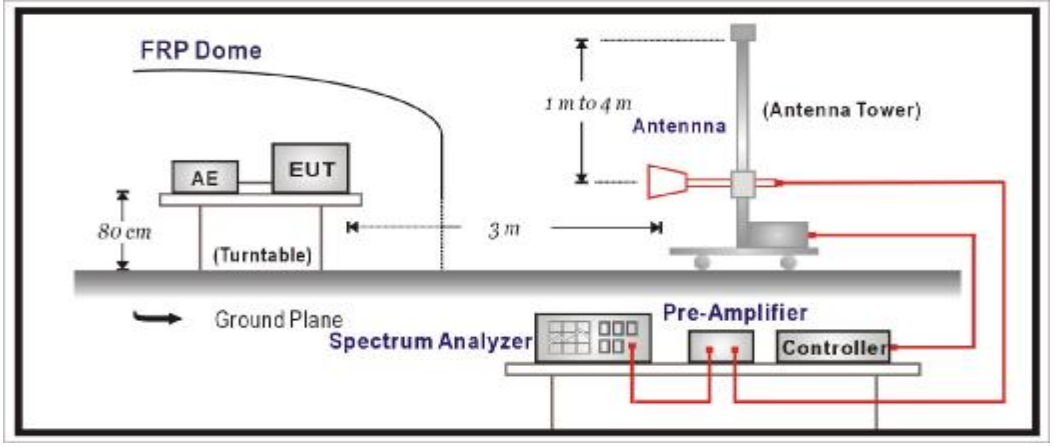
2. Last Cal showing “N/A” means it is used to Pre-test, not for final test.

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

Remarks: E field strength (dBuV/m) = 20 log E field strength (uV/m)

4.4. Test Procedure

The EUT was setup according to ANSI C63.4, 2003 and tested according to DTS test procedure of Oct 2002 KDB558074 for compliance to FCC 47CFR 15.247 requirements.
The EUT is placed on a turn table which is 0.8 meter above ground. The turn table is rotated 360 degrees to determine the position of the maximum emission level. The EUT was positioned such that the distance from antenna to the EUT was 3 meters.
The antenna is scanned from 1 meter to 4 meters to find out the maximum emission level. This is repeated for both horizontal and vertical polarization of the antenna. In order to find the maximum emission, all of the interface cables were manipulated according to ANSI C63.4:2003 on radiated measurement.
The resolution bandwidth below 1GHz setting on the field strength meter is 120 kHz and above 1GHz is 1MHz.
The frequency range from 30MHz to 10th harminics is checked.

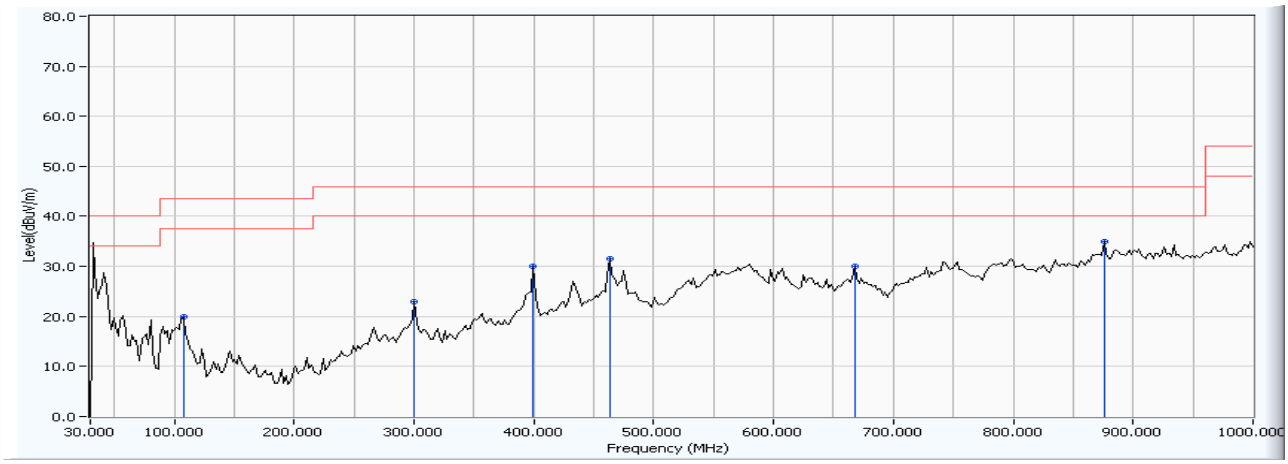
4.5. Uncertainty

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

4.6. Test Result

30MHz-1GHz Spurious

Site : Site 2	Time : 2008/06/10 - 18:46
Limit : FCC_CLASS_B_03M_QP	Margin : 6
Probe : CB3_FCC_30-1G(2007) - HORIZONTAL	Power : AC 120V/60Hz
EUT : WIRELESS G ADSL2+ MODEM ROUTER	Note : Mode 1: Transmit (AMIGO)-B

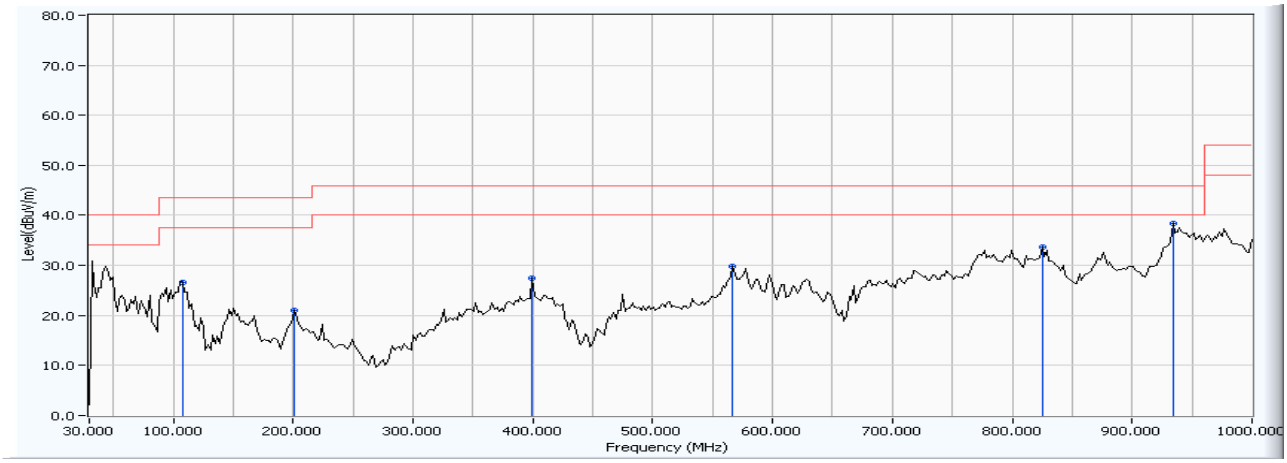


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		107.756	-6.812	26.704	19.892	-23.608	43.500	Quasi-Peak
2		300.200	-0.016	22.923	22.906	-23.094	46.000	Quasi-Peak
3		399.339	5.189	24.867	30.056	-15.944	46.000	Quasi-Peak
4		463.487	7.475	24.108	31.583	-14.417	46.000	Quasi-Peak
5		667.595	6.963	23.171	30.134	-15.866	46.000	Quasi-Peak
6	*	875.591	11.773	23.175	34.949	-11.051	46.000	Quasi-Peak

Note:

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

Site : Site 2	Time : 2008/06/10 - 18:49
Limit : FCC_CLASS_B_03M_QP	Margin : 6
Probe : CB3_FCC_30-1G(2007) - VERTICAL	Power : AC 120V/60Hz
EUT : WIRELESS G ADSL2+ MODEM ROUTER	Note : Mode 1: Transmit (AMIGO)-B

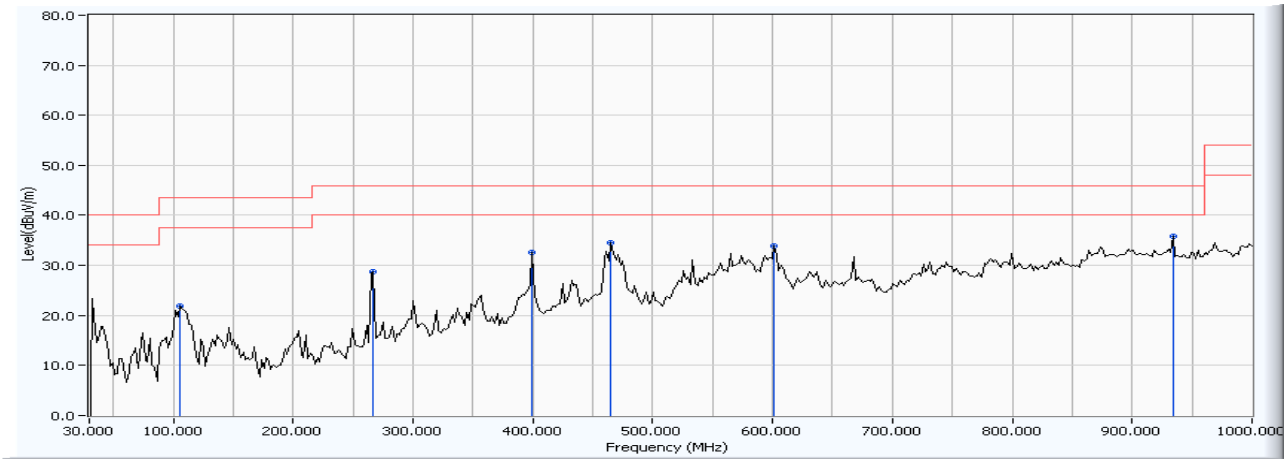


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		107.756	1.448	25.221	26.670	-16.830	43.500	Quasi-Peak
2		201.062	-0.146	21.145	20.999	-22.501	43.500	Quasi-Peak
3		399.339	3.575	23.948	27.523	-18.477	46.000	Quasi-Peak
4		566.513	8.033	21.770	29.803	-16.197	46.000	Quasi-Peak
5		825.050	11.256	22.405	33.661	-12.339	46.000	Quasi-Peak
6	*	933.908	14.040	24.288	38.328	-7.672	46.000	Quasi-Peak

Note:

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

Site : Site 2	Time : 2008/06/10 - 18:54
Limit : FCC_CLASS_B_03M_QP	Margin : 6
Probe : CB3_FCC_30-1G(2007) - HORIZONTAL	Power : AC 120V/60Hz
EUT : WIRELESS G ADSL2+ MODEM ROUTER	Note : Mode 1: Transmit (AMIGO)-G

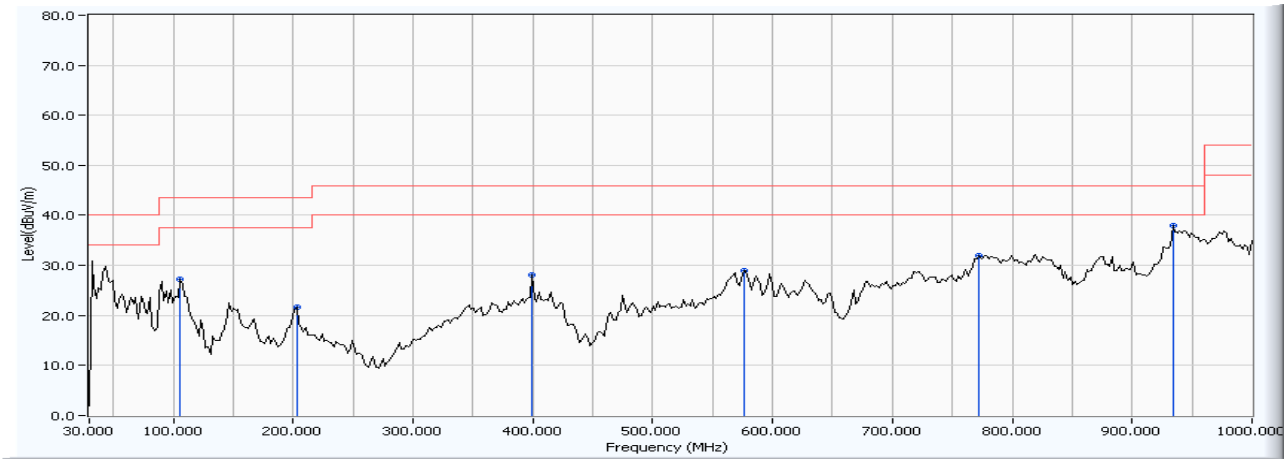


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		105.812	-6.398	28.328	21.930	-21.570	43.500	Quasi-Peak
2		267.154	-3.955	32.665	28.709	-17.291	46.000	Quasi-Peak
3		399.339	5.189	27.434	32.623	-13.377	46.000	Quasi-Peak
4		465.431	6.932	27.511	34.443	-11.557	46.000	Quasi-Peak
5		601.503	7.583	26.321	33.904	-12.096	46.000	Quasi-Peak
6	*	933.908	10.692	25.181	35.872	-10.128	46.000	Quasi-Peak

Note:

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

Site : Site 2	Time : 2008/06/10 - 19:00
Limit : FCC_CLASS_B_03M_QP	Margin : 6
Probe : CB3_FCC_30-1G(2007) - VERTICAL	Power : AC 120V/60Hz
EUT : WIRELESS G ADSL2+ MODEM ROUTER	Note : Mode 1: Transmit (AMIGO)-G

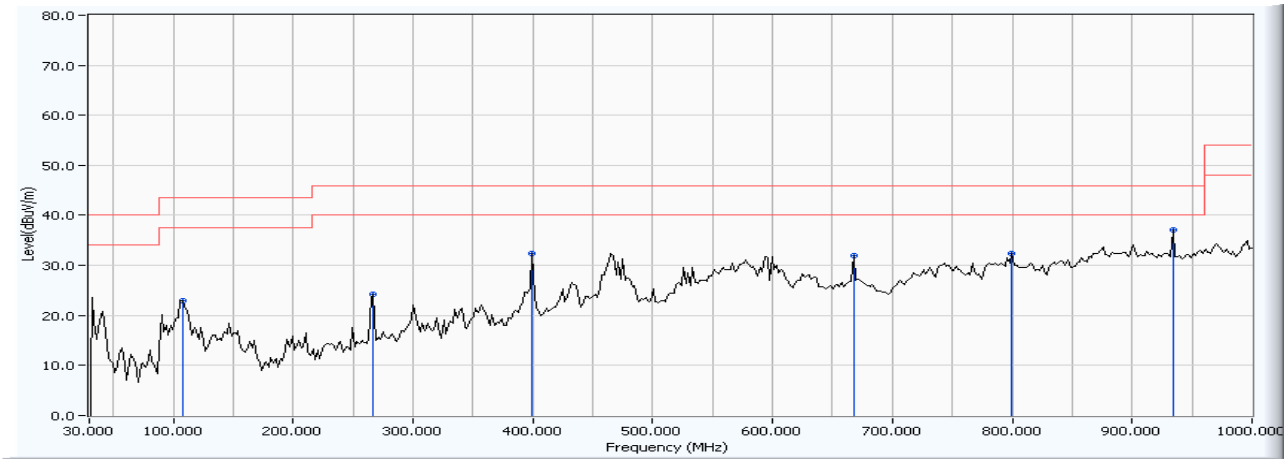


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		105.812	1.859	25.343	27.202	-16.298	43.500	Quasi-Peak
2		203.006	-0.313	21.923	21.609	-21.891	43.500	Quasi-Peak
3		399.339	3.575	24.416	27.991	-18.009	46.000	Quasi-Peak
4		576.232	8.343	20.544	28.887	-17.113	46.000	Quasi-Peak
5		772.565	11.430	20.511	31.941	-14.059	46.000	Quasi-Peak
6	*	933.908	14.040	23.972	38.012	-7.988	46.000	Quasi-Peak

Note:

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

Site : Site 2	Time : 2008/06/10 - 17:15
Limit : FCC_CLASS_B_03M_QP	Margin : 6
Probe : CB3_FCC_30-1G(2007) - HORIZONTAL	Power : AC 120V/60Hz
EUT : WIRELESS G ADSL2+ MODEM ROUTER	Note : Mode 2: Transmit (D-Link)-B

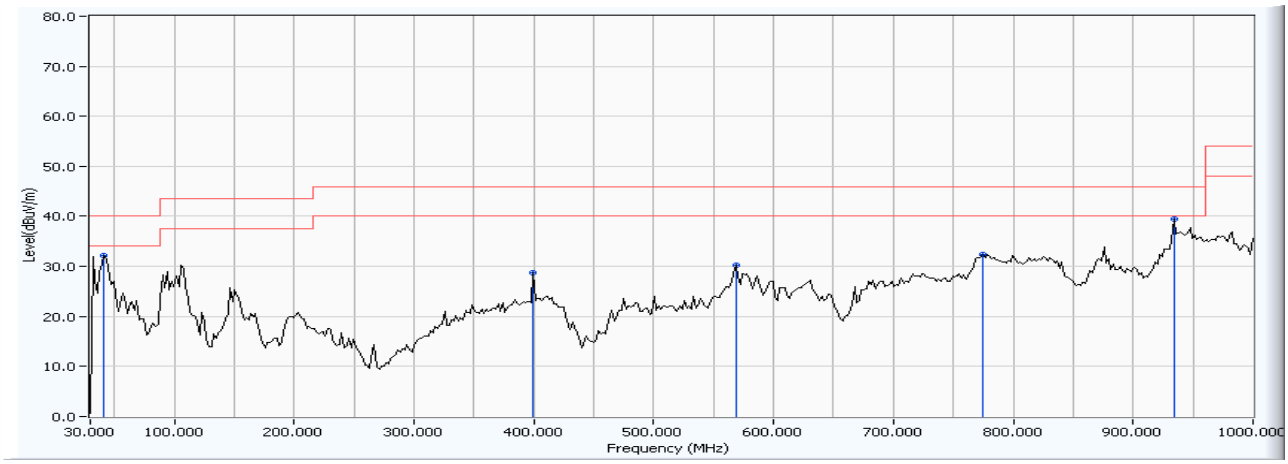


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		107.756	-6.812	29.844	23.032	-20.468	43.500	Quasi-Peak
2		267.154	-3.955	28.209	24.253	-21.747	46.000	Quasi-Peak
3		399.339	5.189	27.108	32.297	-13.703	46.000	Quasi-Peak
4		667.595	6.963	24.987	31.950	-14.050	46.000	Quasi-Peak
5		799.780	9.412	22.938	32.350	-13.650	46.000	Quasi-Peak
6	*	933.908	10.692	26.360	37.051	-8.949	46.000	Quasi-Peak

Note:

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

Site : Site 2	Time : 2008/06/10 - 17:21
Limit : FCC_CLASS_B_03M_QP	Margin : 6
Probe : CB3_FCC_30-1G(2007) - VERTICAL	Power : AC 120V/60Hz
EUT : WIRELESS G ADSL2+ MODEM ROUTER	Note : Mode 2: Transmit (D-Link)-B

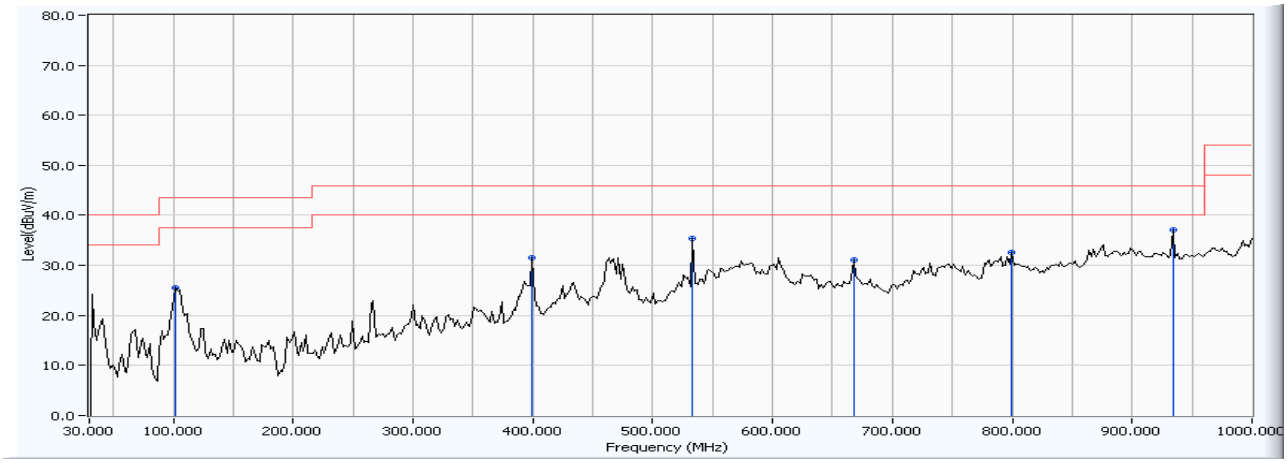


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		41.663	-1.191	33.390	32.200	-7.800	40.000	Quasi-Peak
2		399.339	3.575	25.250	28.825	-17.175	46.000	Quasi-Peak
3		568.457	8.205	21.947	30.152	-15.848	46.000	Quasi-Peak
4		774.509	11.420	21.040	32.460	-13.540	46.000	Quasi-Peak
5	*	933.908	14.040	25.422	39.462	-6.538	46.000	Quasi-Peak

Note:

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

Site : Site 2	Time : 2008/06/10 - 17:35
Limit : FCC_CLASS_B_03M_QP	Margin : 6
Probe : CB3_FCC_30-1G(2007) - HORIZONTAL	Power : AC 120V/60Hz
EUT : WIRELESS G ADSL2+ MODEM ROUTER	Note : Mode 2: Transmit (D-Link)-G

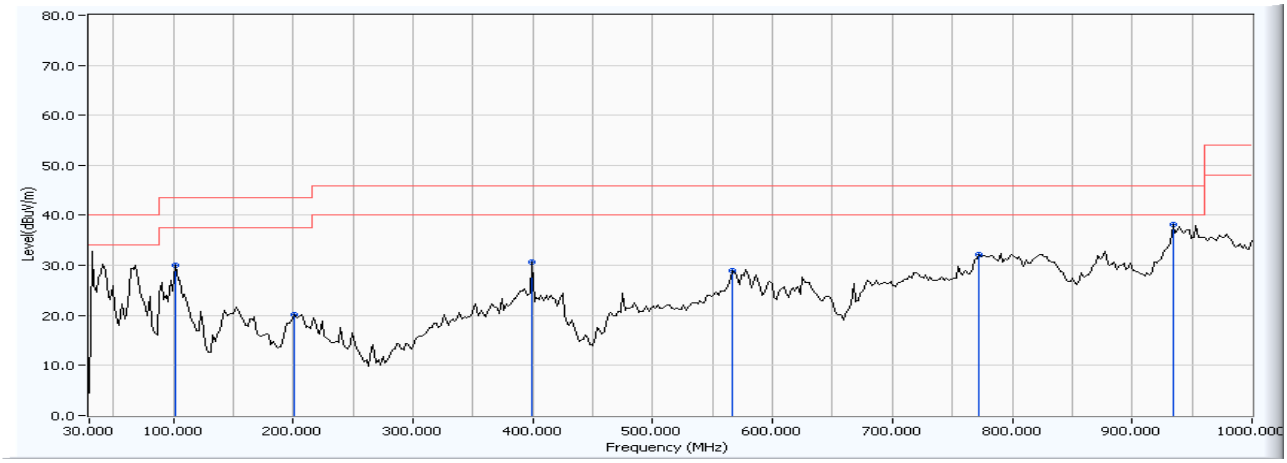


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		101.924	-6.000	31.479	25.479	-18.021	43.500	Quasi-Peak
2		399.339	5.189	26.382	31.571	-14.429	46.000	Quasi-Peak
3		533.467	5.528	29.931	35.459	-10.541	46.000	Quasi-Peak
4		667.595	6.963	24.210	31.173	-14.827	46.000	Quasi-Peak
5		799.780	9.412	23.106	32.518	-13.482	46.000	Quasi-Peak
6	*	933.908	10.692	26.419	37.110	-8.890	46.000	Quasi-Peak

Note:

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

Site : Site 2	Time : 2008/06/10 - 17:38
Limit : FCC_CLASS_B_03M_QP	Margin : 6
Probe : CB3_FCC_30-1G(2007) - VERTICAL	Power : AC 120V/60Hz
EUT : WIRELESS G ADSL2+ MODEM ROUTER	Note : Mode 2: Transmit (D-Link)-G

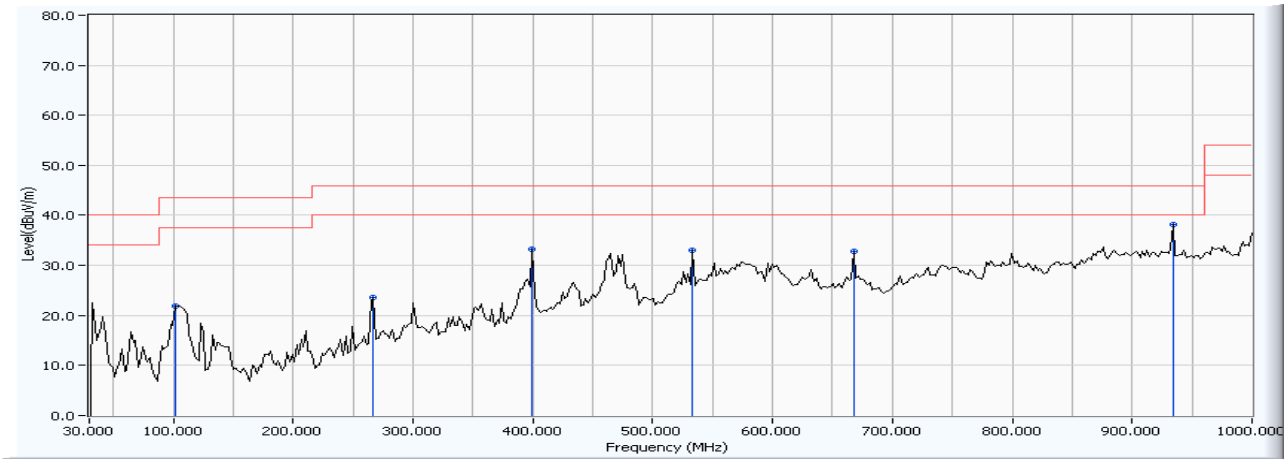


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		101.924	0.679	29.417	30.096	-13.404	43.500	Quasi-Peak
2		201.062	-0.146	20.376	20.230	-23.270	43.500	Quasi-Peak
3		399.339	3.575	27.115	30.690	-15.310	46.000	Quasi-Peak
4		566.513	8.033	20.918	28.951	-17.049	46.000	Quasi-Peak
5		772.565	11.430	20.741	32.171	-13.829	46.000	Quasi-Peak
6	*	933.908	14.040	24.221	38.261	-7.739	46.000	Quasi-Peak

Note:

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

Site : Site 2	Time : 2008/06/10 - 17:57
Limit : FCC_CLASS_B_03M_QP	Margin : 6
Probe : CB3_FCC_30-1G(2007) - HORIZONTAL	Power : AC 120V/60Hz
EUT : WIRELESS G ADSL2+ MODEM ROUTER	Note : Mode 3: Transmit (FAIRWAY)-B

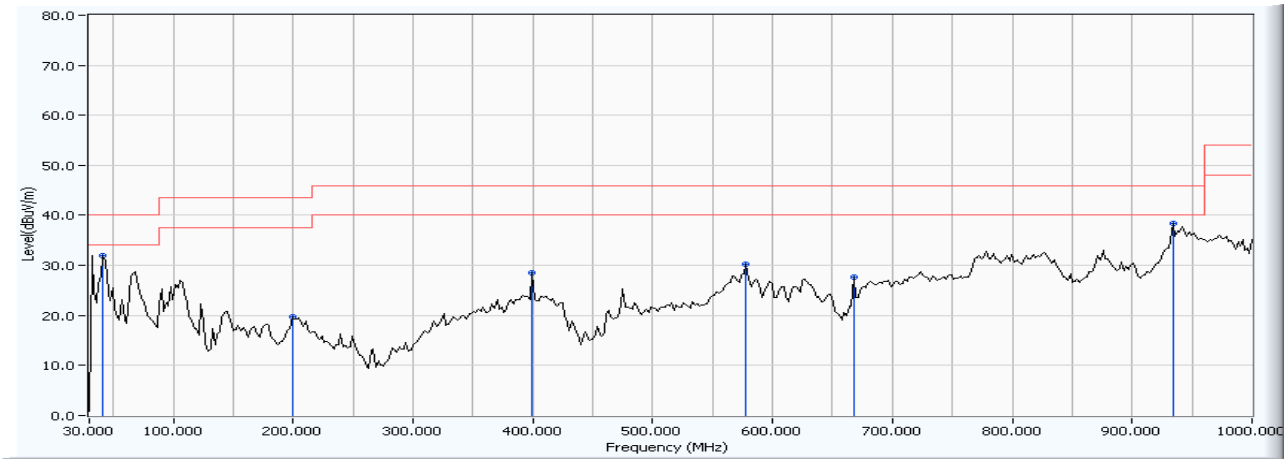


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		101.924	-6.000	27.789	21.789	-21.711	43.500	Quasi-Peak
2		267.154	-3.955	27.465	23.509	-22.491	46.000	Quasi-Peak
3		399.339	5.189	27.967	33.156	-12.844	46.000	Quasi-Peak
4		533.467	5.528	27.475	33.003	-12.997	46.000	Quasi-Peak
5		667.595	6.963	25.778	32.741	-13.259	46.000	Quasi-Peak
6	*	933.908	10.692	27.379	38.070	-7.930	46.000	Quasi-Peak

Note:

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

Site : Site 2	Time : 2008/06/10 - 18:37
Limit : FCC_CLASS_B_03M_QP	Margin : 6
Probe : CB3_FCC_30-1G(2007) - VERTICAL	Power : AC 120V/60Hz
EUT : WIRELESS G ADSL2+ MODEM ROUTER	Note : Mode 3: Transmit (FAIRWAY)-B

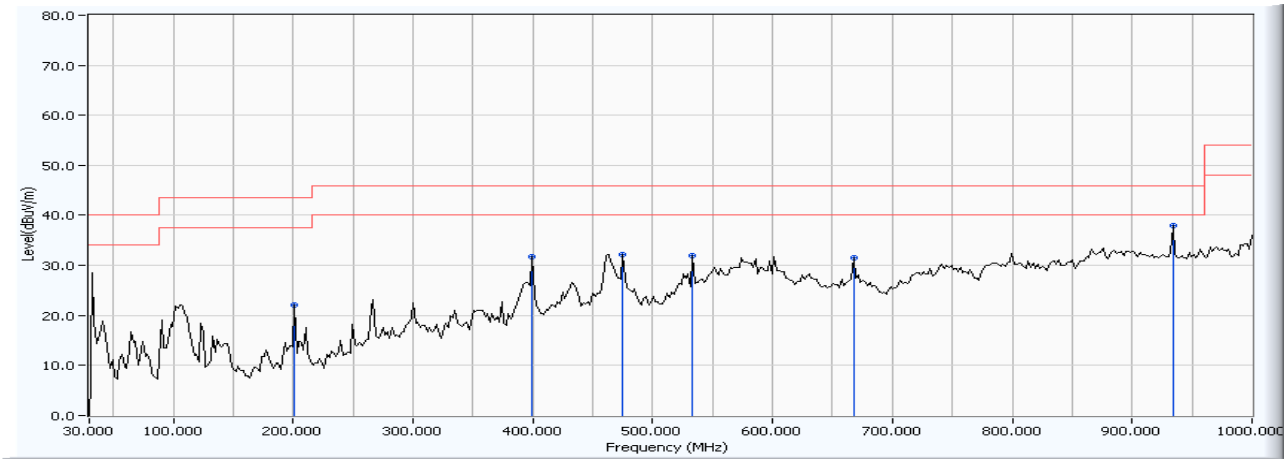


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		41.663	-1.191	33.150	31.960	-8.040	40.000	Quasi-Peak
2		199.118	-0.717	20.418	19.701	-23.799	43.500	Quasi-Peak
3		399.339	3.575	24.918	28.493	-17.507	46.000	Quasi-Peak
4		578.176	8.976	21.261	30.237	-15.763	46.000	Quasi-Peak
5		667.595	2.373	25.333	27.706	-18.294	46.000	Quasi-Peak
6	*	933.908	14.040	24.269	38.309	-7.691	46.000	Quasi-Peak

Note:

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

Site : Site 2	Time : 2008/06/10 - 18:03
Limit : FCC_CLASS_B_03M_QP	Margin : 6
Probe : CB3_FCC_30-1G(2007) - HORIZONTAL	Power : AC 120V/60Hz
EUT : WIRELESS G ADSL2+ MODEM ROUTER	Note : Mode 3: Transmit (FAIRWAY)-G

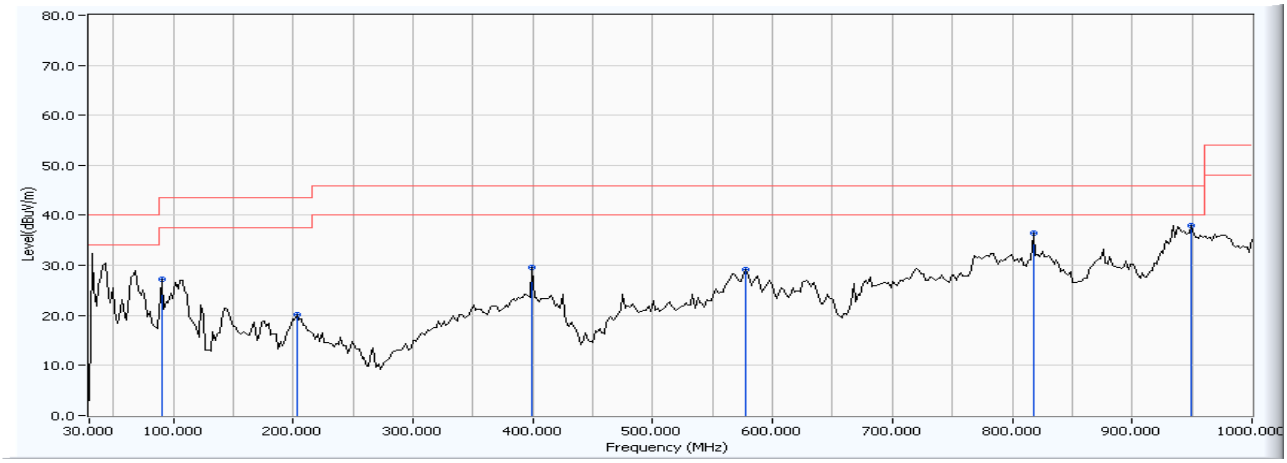


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		201.062	-11.479	33.665	22.186	-21.314	43.500	Quasi-Peak
2		399.339	5.189	26.582	31.771	-14.229	46.000	Quasi-Peak
3		475.150	6.297	25.919	32.216	-13.784	46.000	Quasi-Peak
4		533.467	5.528	26.395	31.923	-14.077	46.000	Quasi-Peak
5		667.595	6.963	24.484	31.447	-14.553	46.000	Quasi-Peak
6	*	933.908	10.692	27.302	37.993	-8.007	46.000	Quasi-Peak

Note:

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

Site : Site 2	Time : 2008/06/10 - 18:07
Limit : FCC_CLASS_B_03M_QP	Margin : 6
Probe : CB3_FCC_30-1G(2007) - VERTICAL	Power : AC 120V/60Hz
EUT : WIRELESS G ADSL2+ MODEM ROUTER	Note : Mode 3: Transmit (FAIRWAY)-G



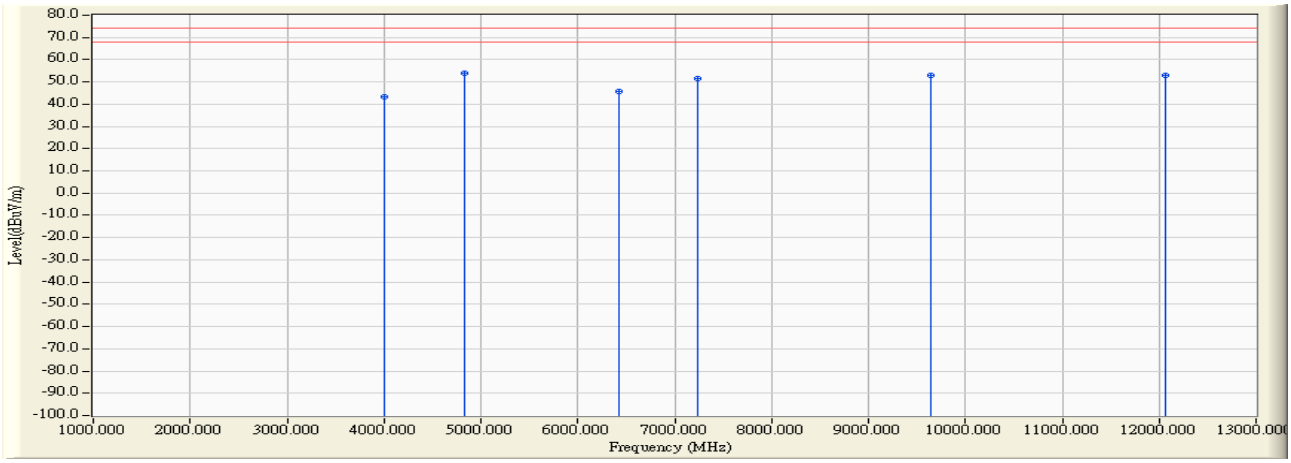
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		90.261	-1.148	28.453	27.305	-16.195	43.500	Quasi-Peak
2		203.006	-0.313	20.379	20.065	-23.435	43.500	Quasi-Peak
3		399.339	3.575	26.088	29.663	-16.337	46.000	Quasi-Peak
4		578.176	8.976	20.282	29.258	-16.742	46.000	Quasi-Peak
5		817.275	10.939	25.487	36.426	-9.574	46.000	Quasi-Peak
6	*	949.459	14.866	23.102	37.968	-8.032	46.000	Quasi-Peak

Note:

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

Harmonic & Spurious:

Site : Site 2	Time : 2008/05/01 - 20:35
Limit : FCC_SpartC_15.247_H_03M_PK	Margin : 6
EUT : WIRELESS G ADSL2+ MODEM ROUTER	Probe : CB4_FCC_1-18G(2007) - HORIZONTAL
Power : AC 120V/60Hz	Note : Transmit -B-CH1

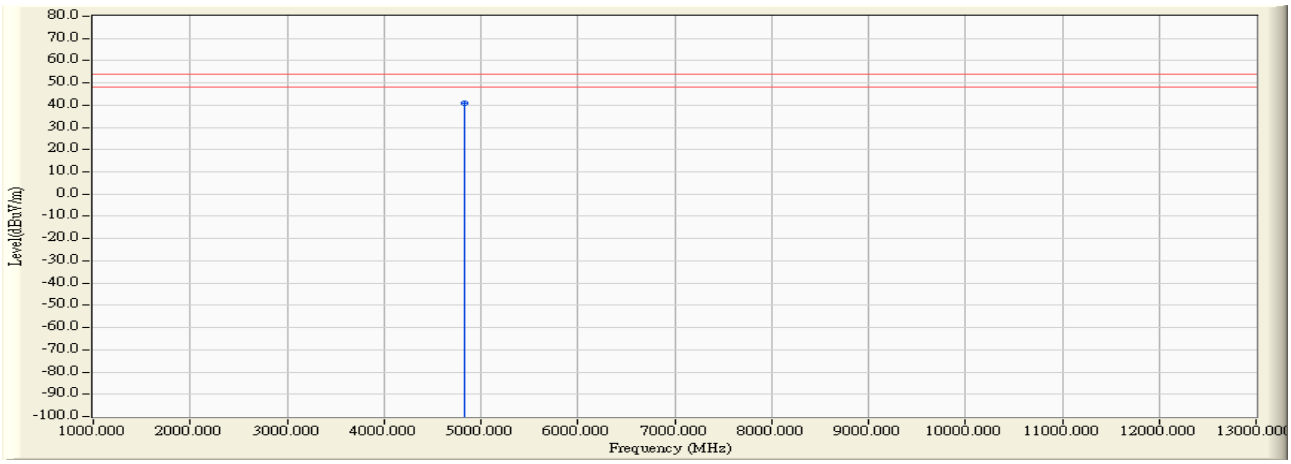


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)	Detector Type
1		4001.230	1.771	41.770	43.542	-30.458	74.000	54.000	PEAK
2	*	4824.010	3.976	49.740	53.716	-20.284	74.000	54.000	PEAK
3		6424.050	7.851	38.110	45.962	-28.038	74.000	54.000	PEAK
4		7238.200	11.447	39.840	51.288	-22.712	74.000	54.000	PEAK
5		9648.300	16.093	36.810	52.903	-21.097	74.000	54.000	PEAK
6		12059.780	17.524	35.310	52.833	-21.167	74.000	54.000	PEAK

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ * ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The Emission above 13GHz were not included is because their levels are too low.

Site : Site 2	Time : 2008/05/01 - 20:36
Limit : FCC_SpartC_15.247_H_03M_AV	Margin : 6
EUT : WIRELESS G ADSL2+ MODEM ROUTER	Probe : CB4_FCC_1-18G(2007) - HORIZONTAL
Power : AC 120V/60Hz	Note : Transmit -B-CH1

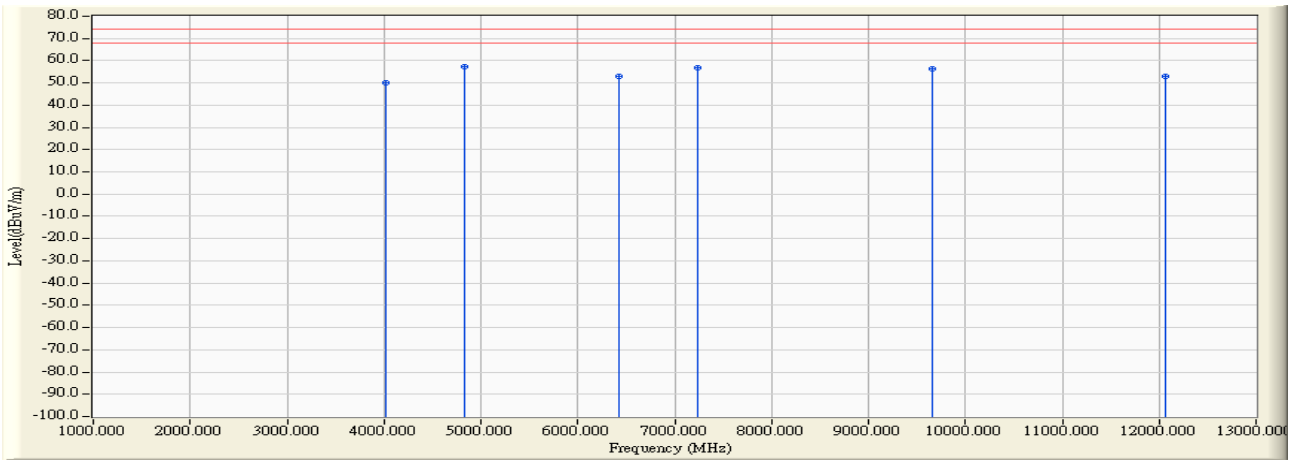


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)	Detector Type
1	*	4824.020	3.976	36.760	40.736	-13.264	74.000	54.000	AVERAGE

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ * ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The Emission above 13GHz were not included is because their levels are too low.

Site : Site 2	Time : 2008/05/01 - 20:41
Limit : FCC_SpartC_15.247_H_03M_PK	Margin : 6
EUT : WIRELESS G ADSL2+ MODEM ROUTER	Probe : CB4_FCC_1-18G(2007) - VERTICAL
Power : AC 120V/60Hz	Note : Transmit -B-CH1

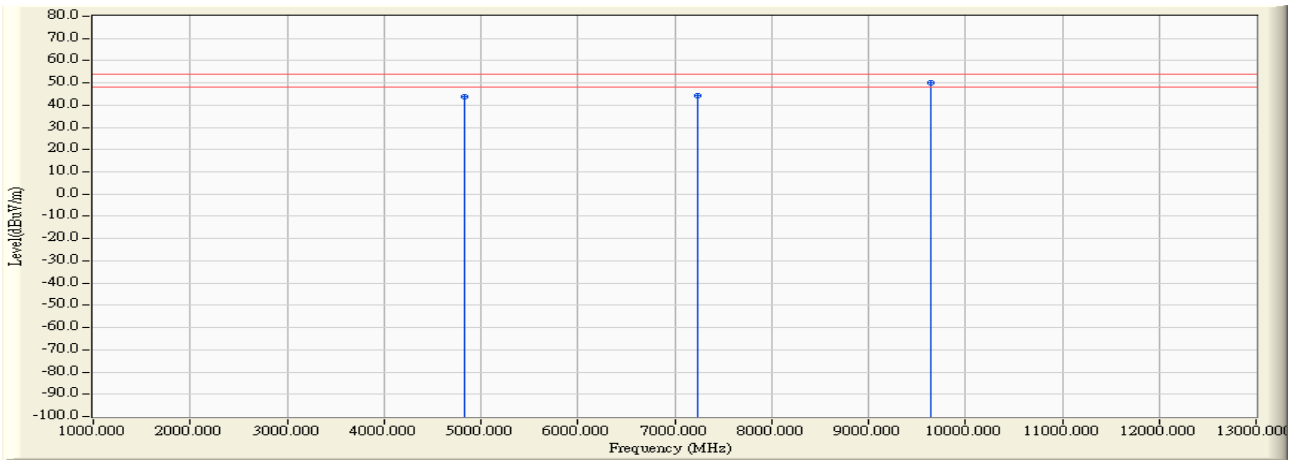


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)	Detector Type
1		4020.030	1.810	48.240	50.049	-23.951	74.000	54.000	PEAK
2	*	4824.010	3.976	53.360	57.336	-16.664	74.000	54.000	PEAK
3		6420.100	7.840	44.920	52.760	-21.240	74.000	54.000	PEAK
4		7239.800	11.933	44.830	56.764	-17.236	74.000	54.000	PEAK
5		9664.010	14.819	41.460	56.279	-17.721	74.000	54.000	PEAK
6		12060.010	17.406	35.460	52.866	-21.134	74.000	54.000	PEAK

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ * ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The Emission above 13GHz were not included is because their levels are too low.

Site : Site 2	Time : 2008/05/01 - 21:11
Limit : FCC_SpartC_15.247_H_03M_AV	Margin : 6
EUT : WIRELESS G ADSL2+ MODEM ROUTER	Probe : CB4_FCC_1-18G(2007) - VERTICAL
Power : AC 120V/60Hz	Note : Transmit -B-CH1

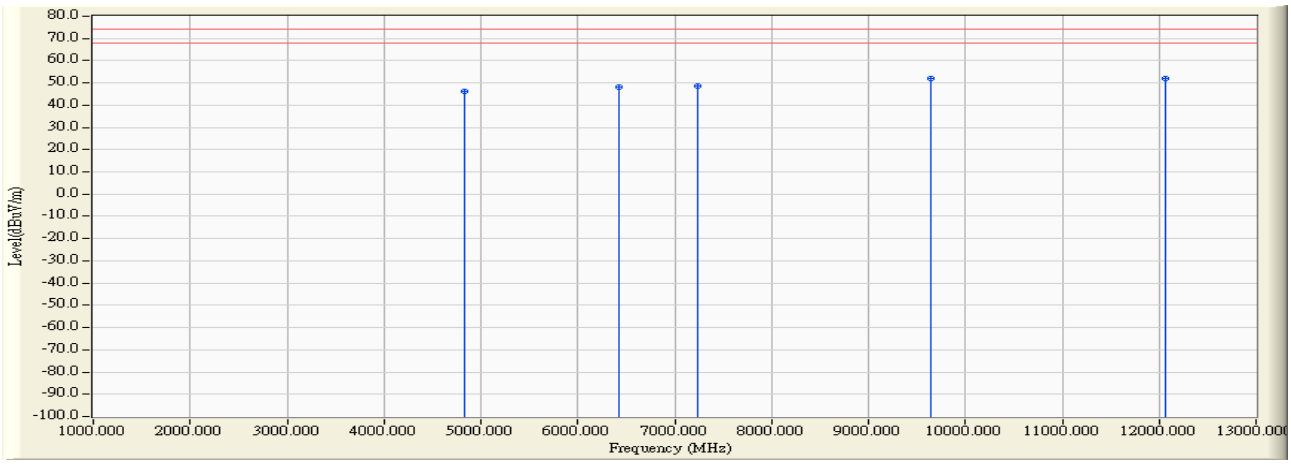


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)	Detector Type
1		4826.010	3.983	39.600	43.583	-10.417	74.000	54.000	AVERAGE
2		7238.200	11.925	32.560	44.486	-9.514	74.000	54.000	AVERAGE
3	*	9648.020	14.794	35.520	50.314	-3.686	74.000	54.000	AVERAGE

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ * ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The Emission above 13GHz were not included is because their levels are too low.

Site : Site 2	Time : 2008/05/05 - 14:21
Limit : FCC_SpartC_15.247_H_03M_PK	Margin : 6
EUT : WIRELESS G ADSL2+ MODEM ROUTER	Probe : CB4_FCC_1-18G(2007) - HORIZONTAL
Power : AC 120V/60Hz	Note : Transmit -G-CH1

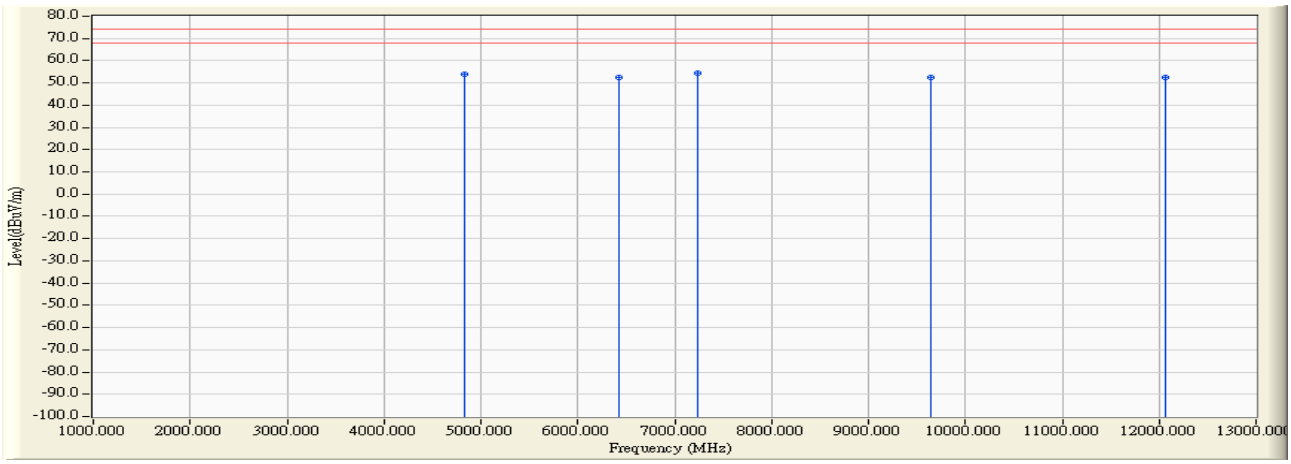


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)	Detector Type
1		4825.100	3.980	42.430	46.410	-27.590	74.000	54.000	PEAK
2	*	6431.960	7.866	40.220	48.086	-25.914	74.000	54.000	PEAK
3		7236.200	11.442	37.200	48.642	-25.358	74.000	54.000	PEAK
4		9648.400	16.094	35.680	51.774	-22.226	74.000	54.000	PEAK
5		12059.900	17.524	34.580	52.103	-21.897	74.000	54.000	PEAK

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ * ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The Emission above 13GHz were not included is because their levels are too low.

Site : Site 2	Time : 2008/05/05 - 14:33
Limit : FCC_SpartC_15.247_H_03M_PK	Margin : 6
EUT : WIRELESS G ADSL2+ MODEM ROUTER	Probe : CB4_FCC_1-18G(2007) - VERTICAL
Power : AC 120V/60Hz	Note : Transmit -G-CH1

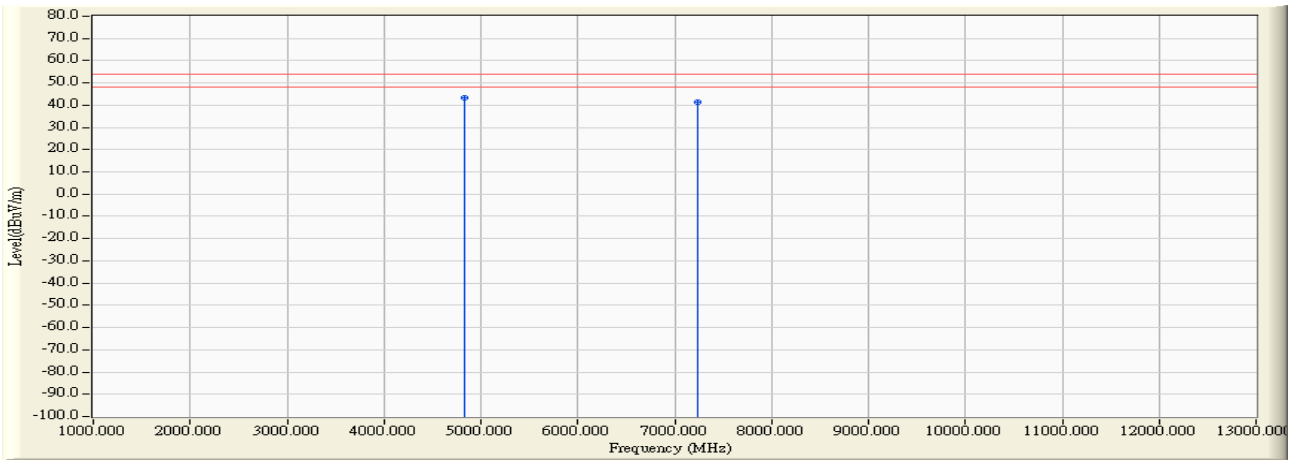


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)	Detector Type
1		4831.800	4.000	50.170	54.170	-19.830	74.000	54.000	PEAK
2		6431.880	7.866	44.540	52.406	-21.594	74.000	54.000	PEAK
3	*	7240.800	11.938	42.430	54.368	-19.632	74.000	54.000	PEAK
4		9649.600	14.796	37.630	52.426	-21.574	74.000	54.000	PEAK
5		12059.200	17.405	35.230	52.635	-21.365	74.000	54.000	PEAK

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ * ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The Emission above 13GHz were not included is because their levels are too low.

Site : Site 2	Time : 2008/05/05 - 14:40
Limit : FCC_SpartC_15.247_H_03M_AV	Margin : 6
EUT : WIRELESS G ADSL2+ MODEM ROUTER	Probe : CB4_FCC_1-18G(2007) - VERTICAL
Power : AC 120V/60Hz	Note : Transmit -G-CH1

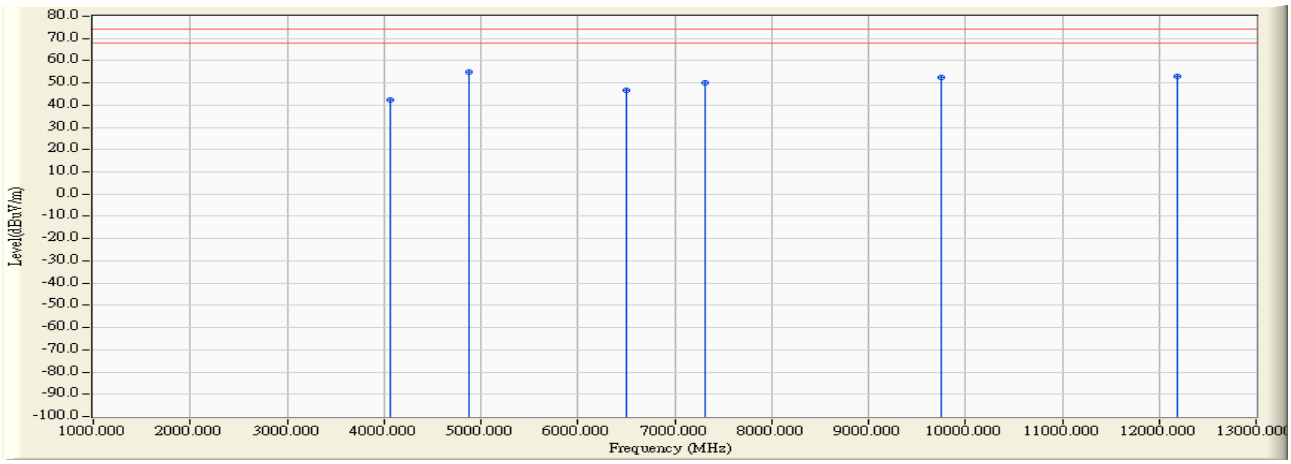


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)	Detector Type
1	*	4825.700	3.982	39.370	43.352	-10.648	74.000	54.000	AVERAGE
2		7241.400	11.941	29.690	41.631	-12.369	74.000	54.000	AVERAGE

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ * ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The Emission above 13GHz were not included is because their levels are too low.

Site : Site 2	Time : 2008/05/01 - 21:45
Limit : FCC_SpartC_15.247_H_03M_PK	Margin : 6
EUT : WIRELESS G ADSL2+ MODEM ROUTER	Probe : CB4_FCC_1-18G(2007) - HORIZONTAL
Power : AC 120V/60Hz	Note : Transmit -B-CH6

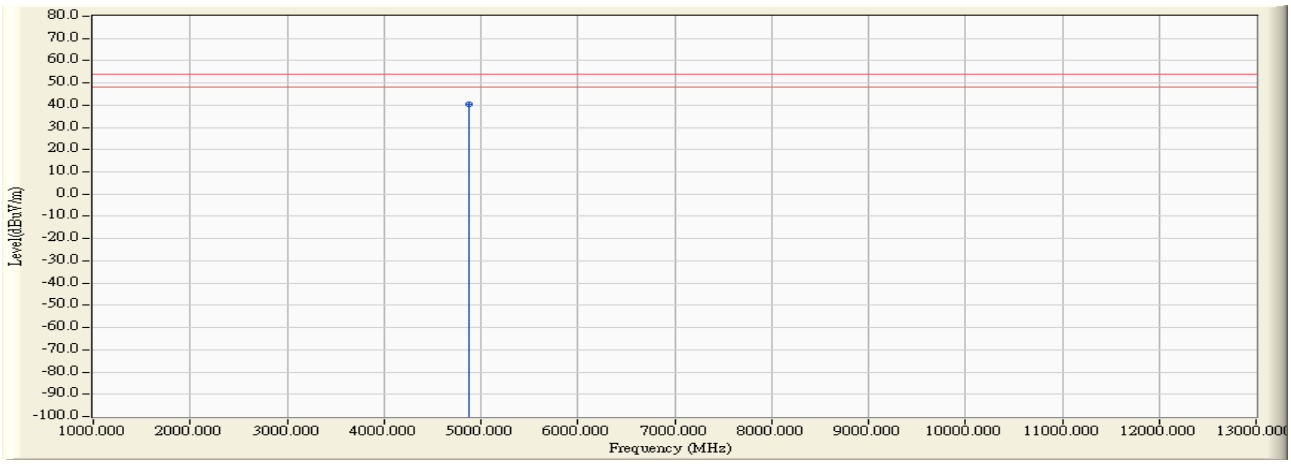


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)	Detector Type
1		4071.050	1.925	40.490	42.416	-31.584	74.000	54.000	PEAK
2	*	4874.020	4.144	50.750	54.893	-19.107	74.000	54.000	PEAK
3		6495.010	8.054	38.740	46.794	-27.206	74.000	54.000	PEAK
4		7311.040	11.640	38.620	50.260	-23.740	74.000	54.000	PEAK
5		9748.200	16.420	36.130	52.550	-21.450	74.000	54.000	PEAK
6		12185.100	17.887	35.010	52.897	-21.103	74.000	54.000	PEAK

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The Emission above 13GHz were not included is because their levels are too low.

Site : Site 2	Time : 2008/05/01 - 21:48
Limit : FCC_SpartC_15.247_H_03M_AV	Margin : 6
EUT : WIRELESS G ADSL2+ MODEM ROUTER	Probe : CB4_FCC_1-18G(2007) - HORIZONTAL
Power : AC 120V/60Hz	Note : Transmit -B-CH6

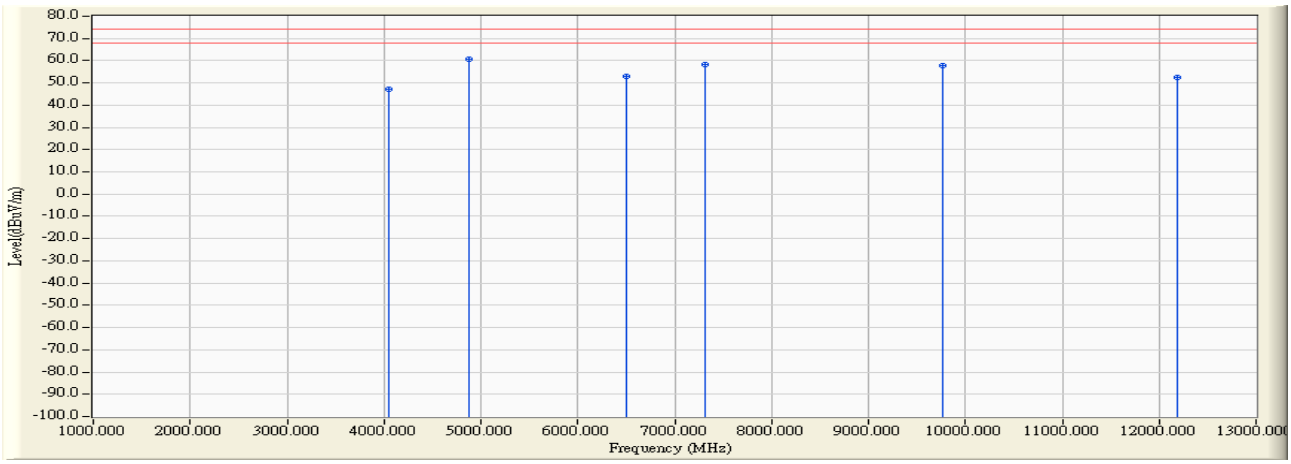


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)	Detector Type
1	*	4876.020	4.150	36.280	40.430	-13.570	74.000	54.000	AVERAGE

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ * ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The Emission above 13GHz were not included is because their levels are too low.

Site : Site 2	Time : 2008/05/01 - 21:53
Limit : FCC_SpartC_15.247_H_03M_PK	Margin : 6
EUT : WIRELESS G ADSL2+ MODEM ROUTER	Probe : CB4_FCC_1-18G(2007) - VERTICAL
Power : AC 120V/60Hz	Note : Transmit -B-CH6

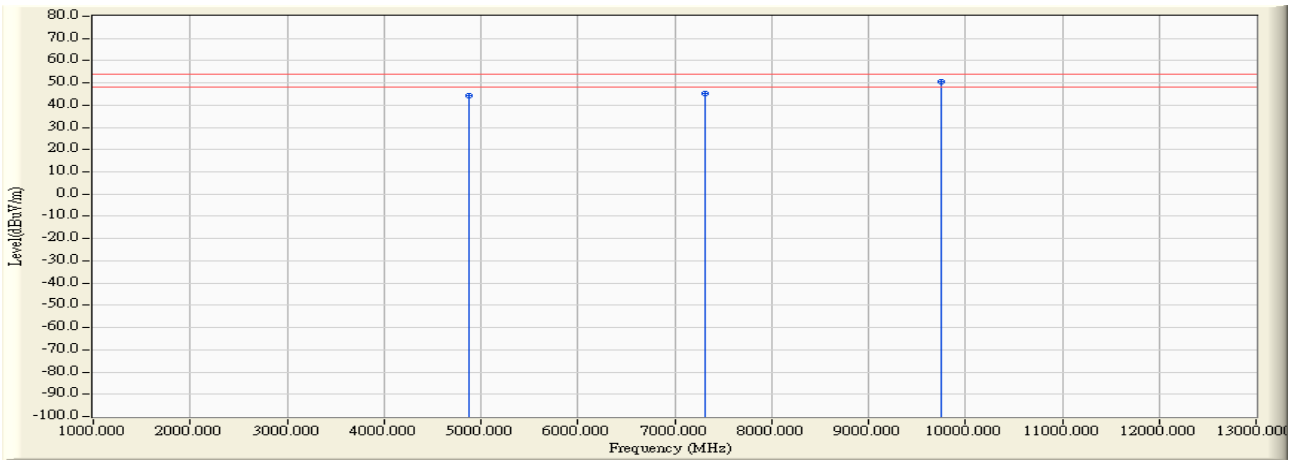


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)	Detector Type
1		4048.200	1.865	45.310	47.175	-26.825	74.000	54.000	PEAK
2	*	4873.980	4.143	56.470	60.613	-13.387	74.000	54.000	PEAK
3		6496.050	8.058	44.740	52.798	-21.202	74.000	54.000	PEAK
4		7312.080	12.264	45.980	58.244	-15.756	74.000	54.000	PEAK
5		9760.300	14.933	42.950	57.883	-16.117	74.000	54.000	PEAK
6		12185.100	17.519	35.130	52.649	-21.351	74.000	54.000	PEAK

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ * ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The Emission above 13GHz were not included is because their levels are too low.

Site : Site 2	Time : 2008/05/01 - 21:57
Limit : FCC_SpartC_15.247_H_03M_AV	Margin : 6
EUT : WIRELESS G ADSL2+ MODEM ROUTER	Probe : CB4_FCC_1-18G(2007) - VERTICAL
Power : AC 120V/60Hz	Note : Transmit -B-CH6

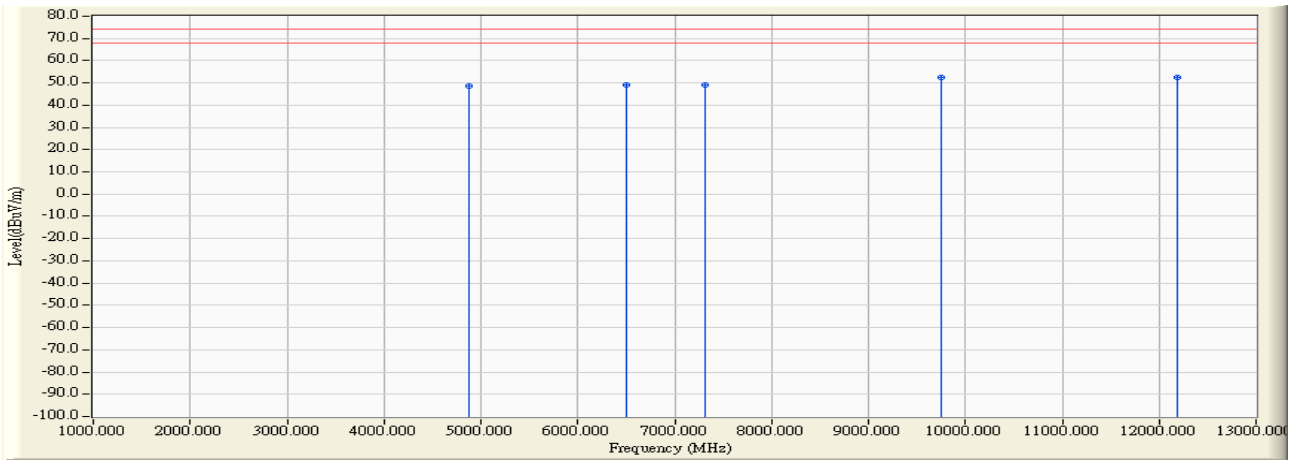


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)	Detector Type
1		4876.020	4.150	40.050	44.200	-9.800	74.000	54.000	AVERAGE
2		7312.030	12.264	33.050	45.314	-8.686	74.000	54.000	AVERAGE
3	*	9747.680	14.921	35.880	50.801	-3.199	74.000	54.000	AVERAGE

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ * ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The Emission above 13GHz were not included is because their levels are too low.

Site : Site 2	Time : 2008/05/05 - 14:54
Limit : FCC_SpartC_15.247_H_03M_PK	Margin : 6
EUT : WIRELESS G ADSL2+ MODEM ROUTER	Probe : CB4_FCC_1-18G(2007) - HORIZONTAL
Power : AC 120V/60Hz	Note : Transmit -G-CH6

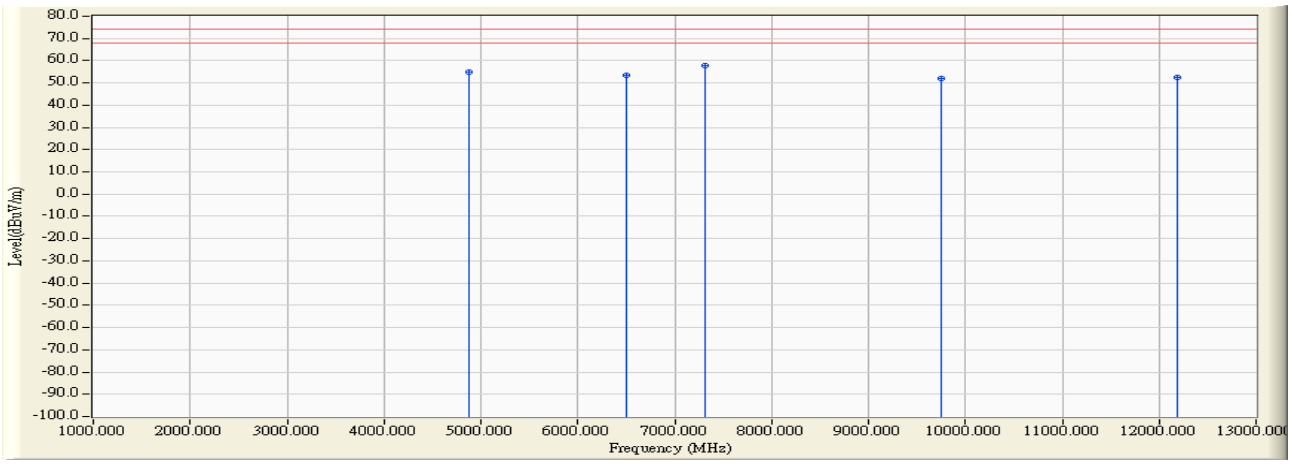


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)	Detector Type
1		4874.500	4.144	44.640	48.785	-25.215	74.000	54.000	PEAK
2		6498.680	8.068	41.210	49.277	-24.723	74.000	54.000	PEAK
3		7314.900	11.649	37.530	49.179	-24.821	74.000	54.000	PEAK
4		9750.500	16.427	35.930	52.357	-21.643	74.000	54.000	PEAK
5	*	12185.400	17.888	34.670	52.558	-21.442	74.000	54.000	PEAK

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ * ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The Emission above 13GHz were not included is because their levels are too low.

Site : Site 2	Time : 2008/05/05 - 15:06
Limit : FCC_SpartC_15.247_H_03M_PK	Margin : 6
EUT : WIRELESS G ADSL2+ MODEM ROUTER	Probe : CB4_FCC_1-18G(2007) - VERTICAL
Power : AC 120V/60Hz	Note : Transmit -G-CH6

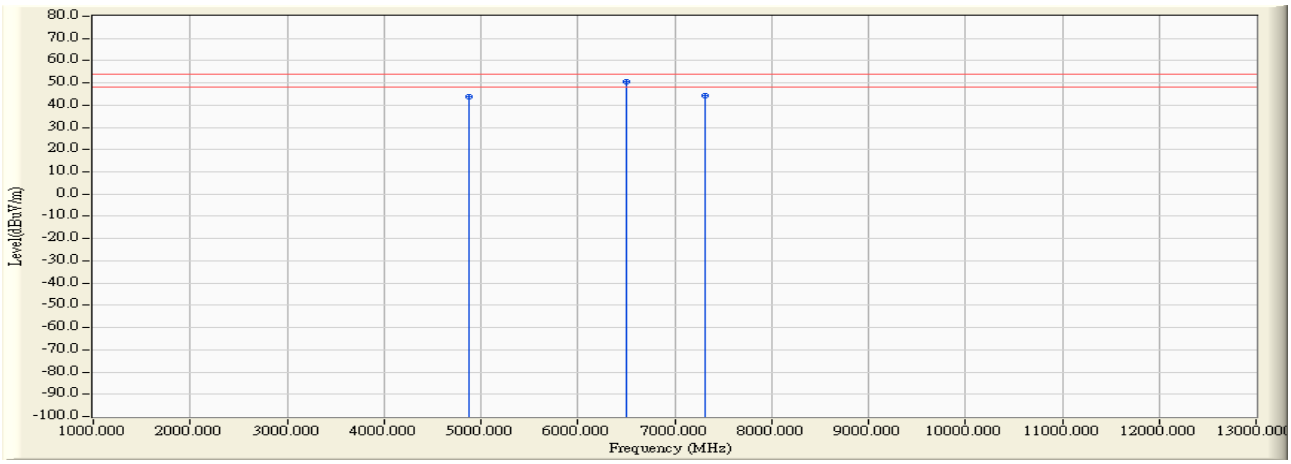


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)	Detector Type
1		4881.300	4.165	50.860	55.026	-18.974	74.000	54.000	PEAK
2		6498.800	8.068	45.550	53.618	-20.382	74.000	54.000	PEAK
3	*	7312.900	12.268	45.730	57.998	-16.002	74.000	54.000	PEAK
4		9751.500	14.926	37.200	52.126	-21.874	74.000	54.000	PEAK
5		12188.400	17.521	34.870	52.391	-21.609	74.000	54.000	PEAK

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ * ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The Emission above 13GHz were not included is because their levels are too low.

Site : Site 2	Time : 2008/05/05 - 15:19
Limit : FCC_SpartC_15.247_H_03M_AV	Margin : 6
EUT : WIRELESS G ADSL2+ MODEM ROUTER	Probe : CB4_FCC_1-18G(2007) - VERTICAL
Power : AC 120V/60Hz	Note : Transmit -G-CH6

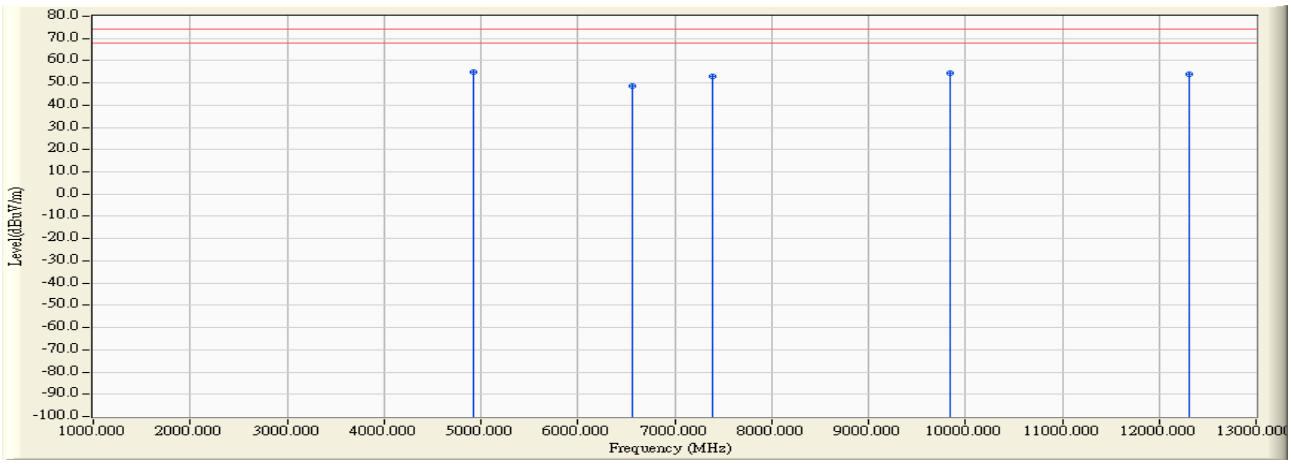


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)	Detector Type
1		4875.800	4.150	39.850	43.999	-10.001	74.000	54.000	AVERAGE
2	*	6498.700	8.068	42.420	50.487	-3.513	74.000	54.000	AVERAGE
3		7313.800	12.272	32.010	44.282	-9.718	74.000	54.000	AVERAGE

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ * ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The Emission above 13GHz were not included is because their levels are too low.

Site : Site 2	Time : 2008/05/05 - 12:06
Limit : FCC_SpartC_15.247_H_03M_PK	Margin : 6
EUT : WIRELESS G ADSL2+ MODEM ROUTER	Probe : CB4_FCC_1-18G(2007) - HORIZONTAL
Power : AC 120V/60Hz	Note : Transmit -B-CH11

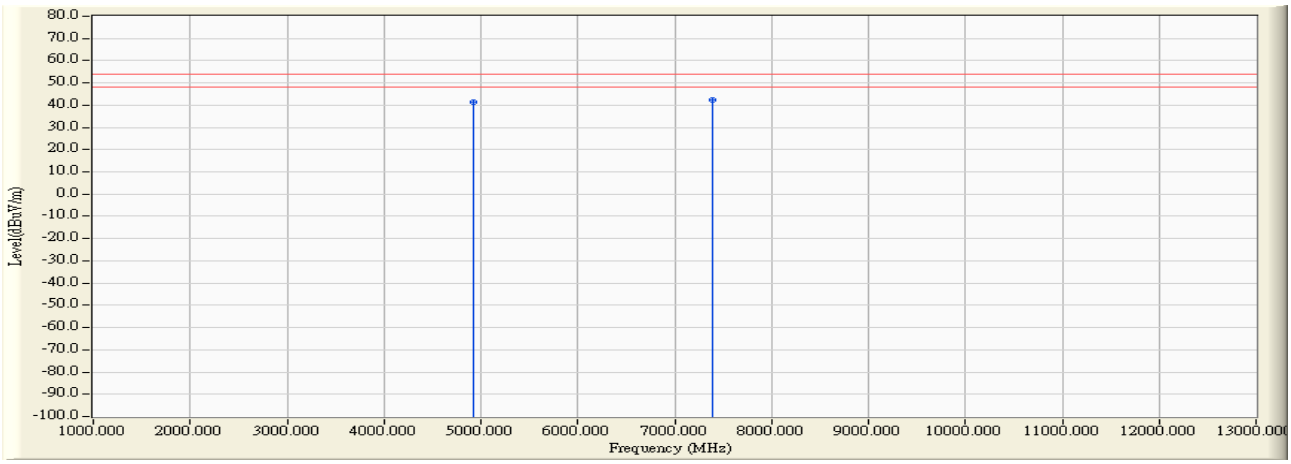


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)	Detector Type
1		4923.800	4.308	50.460	54.769	-19.231	74.000	54.000	PEAK
2	*	6565.480	8.292	40.320	48.613	-25.387	74.000	54.000	PEAK
3		7384.600	11.853	41.100	52.953	-21.047	74.000	54.000	PEAK
4		9847.400	17.468	34.948	52.416	-21.584	74.000	54.000	PEAK
5		12310.400	18.255	35.490	52.746	-21.254	74.000	54.000	PEAK

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The Emission above 13GHz were not included is because their levels are too low.

Site : Site 2	Time : 2008/05/05 - 13:11
Limit : FCC_SpartC_15.247_H_03M_AV	Margin : 6
EUT : WIRELESS G ADSL2+ MODEM ROUTER	Probe : CB4_FCC_1-18G(2007) - HORIZONTAL
Power : AC 120V/60Hz	Note : Transmit -B-CH11

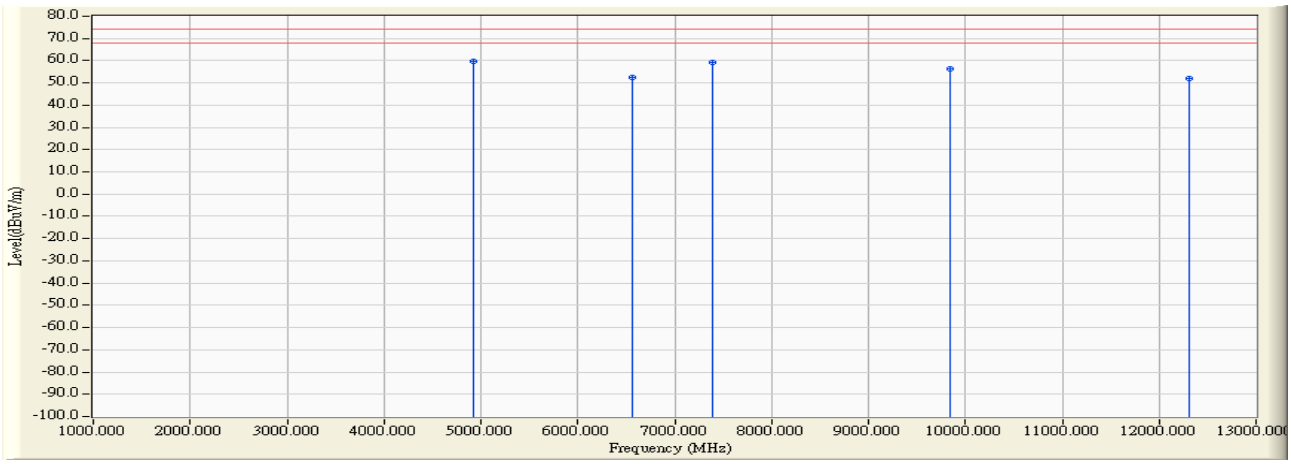


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)	Detector Type
1		4925.800	4.316	37.050	41.366	-12.634	74.000	54.000	AVERAGE
2	*	7385.800	11.855	30.540	42.395	-11.605	74.000	54.000	AVERAGE

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ * ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The Emission above 13GHz were not included is because their levels are too low.

Site : Site 2	Time : 2008/05/05 - 13:36
Limit : FCC_SpartC_15.247_H_03M_PK	Margin : 6
EUT : WIRELESS G ADSL2+ MODEM ROUTER	Probe : CB4_FCC_1-18G(2007) - VERTICAL
Power : AC 120V/60Hz	Note : Transmit -B-CH11

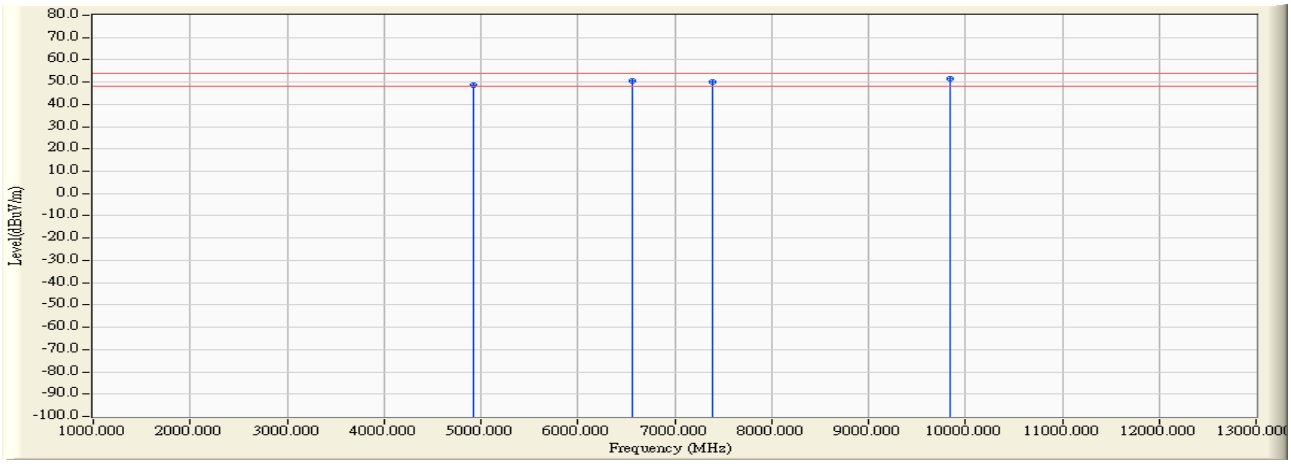


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)	Detector Type
1	*	4924.100	4.310	55.610	59.920	-14.080	74.000	54.000	PEAK
2		6565.460	8.292	44.060	52.353	-21.647	74.000	54.000	PEAK
3		7385.400	12.623	46.600	59.223	-14.777	74.000	54.000	PEAK
4		9847.900	15.034	41.410	56.444	-17.556	74.000	54.000	PEAK
5		12310.300	17.636	34.550	52.186	-21.814	74.000	54.000	PEAK

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ * ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The Emission above 13GHz were not included is because their levels are too low.

Site : Site 2	Time : 2008/05/05 - 13:49
Limit : FCC_SpartC_15.247_H_03M_AV	Margin : 6
EUT : WIRELESS G ADSL2+ MODEM ROUTER	Probe : CB4_FCC_1-18G(2007) - VERTICAL
Power : AC 120V/60Hz	Note : Transmit -B-CH11

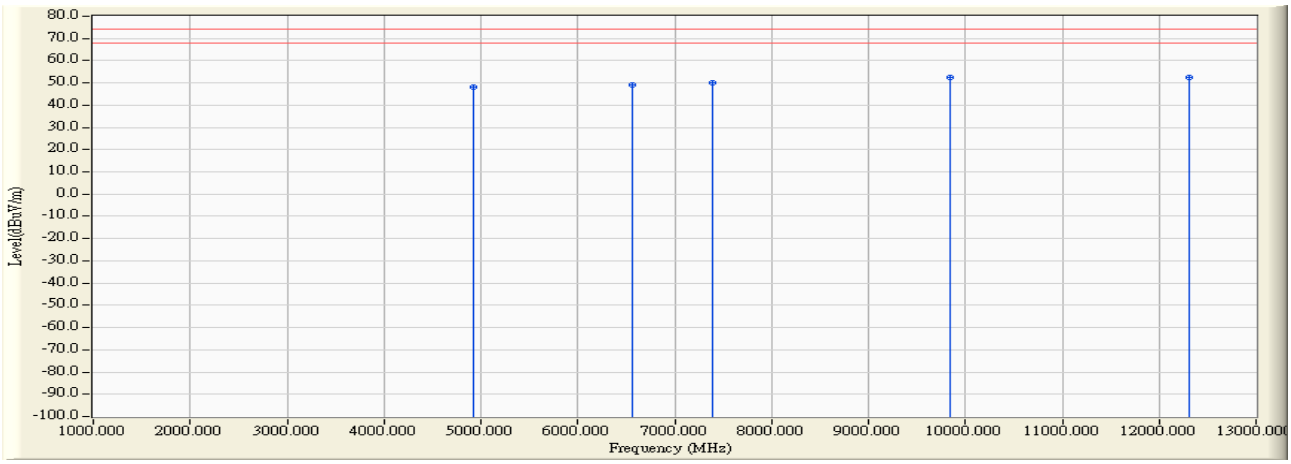


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)	Detector Type
1		4922.200	4.303	44.440	48.743	-5.257	74.000	54.000	AVERAGE
2		6565.340	8.292	42.050	50.342	-3.658	74.000	54.000	AVERAGE
3		7385.700	12.624	37.390	50.014	-3.986	74.000	54.000	AVERAGE
4	*	9848.000	15.034	36.530	51.564	-2.436	74.000	54.000	AVERAGE

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The Emission above 13GHz were not included is because their levels are too low.

Site : Site 2	Time : 2008/05/05 - 15:35
Limit : FCC_SpartC_15.247_H_03M_PK	Margin : 6
EUT : WIRELESS G ADSL2+ MODEM ROUTER	Probe : CB4_FCC_1-18G(2007) - HORIZONTAL
Power : AC 120V/60Hz	Note : Transmit -G-CH11

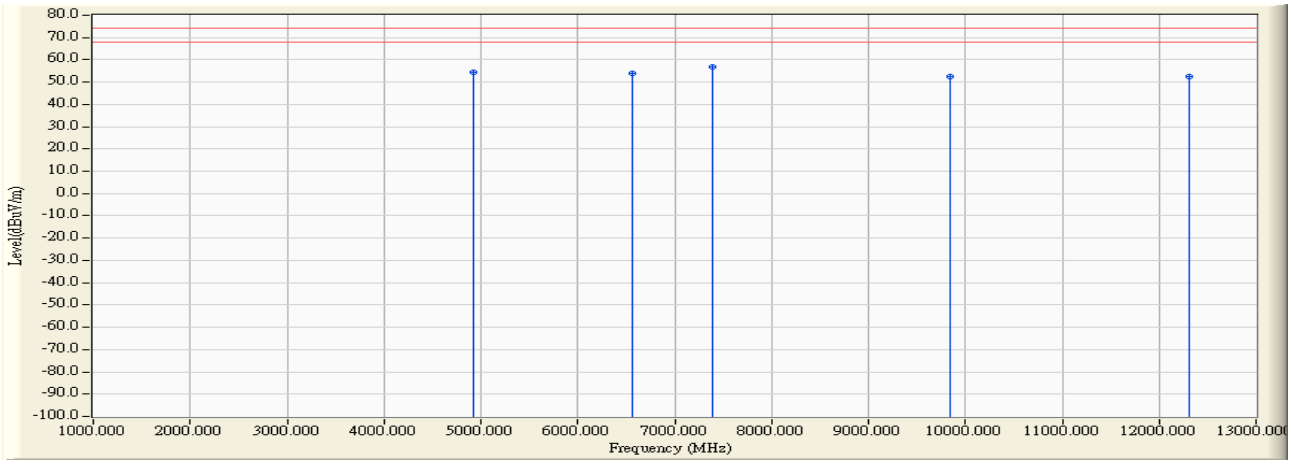


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)	Detector Type
1		4922.700	4.304	43.750	48.055	-25.945	74.000	54.000	PEAK
2		6565.640	8.294	40.970	49.263	-24.737	74.000	54.000	PEAK
3		7386.900	11.858	38.310	50.168	-23.832	74.000	54.000	PEAK
4		9848.100	16.729	35.620	52.349	-21.651	74.000	54.000	PEAK
5	*	12310.500	18.255	34.350	52.606	-21.394	74.000	54.000	PEAK

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The Emission above 13GHz were not included is because their levels are too low.

Site : Site 2	Time : 2008/05/05 - 15:45
Limit : FCC_SpartC_15.247_H_03M_PK	Margin : 6
EUT : WIRELESS G ADSL2+ MODEM ROUTER	Probe : CB4_FCC_1-18G(2007) - VERTICAL
Power : AC 120V/60Hz	Note : Transmit -G-CH11

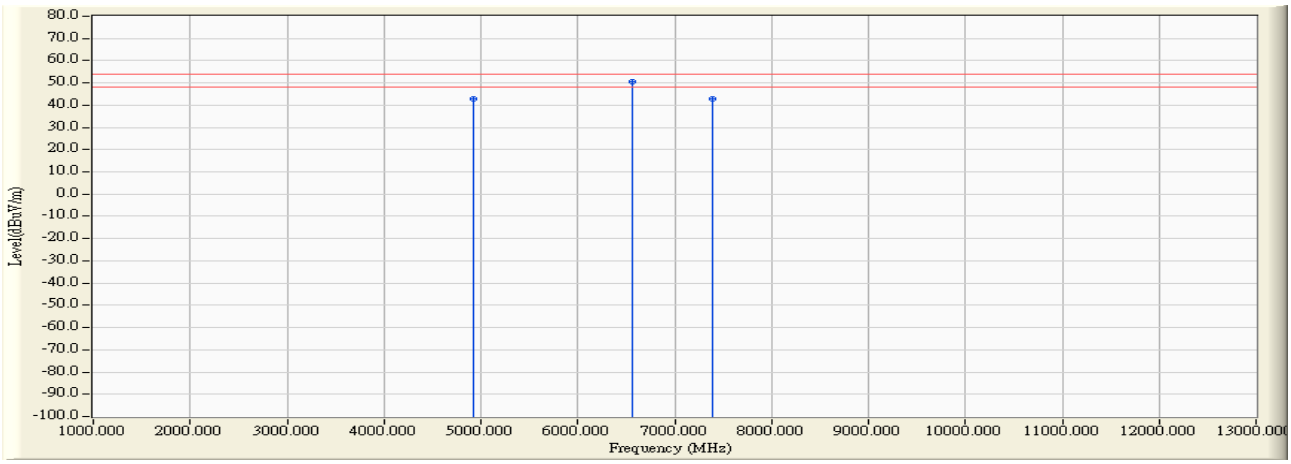


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)	Detector Type
1		4922.600	4.304	50.090	54.394	-19.606	74.000	54.000	PEAK
2		6565.260	8.292	45.450	53.742	-20.258	74.000	54.000	PEAK
3	*	7386.700	12.628	44.410	57.038	-16.962	74.000	54.000	PEAK
4		9848.900	15.035	37.420	52.456	-21.544	74.000	54.000	PEAK
5		12310.700	17.637	34.990	52.627	-21.373	74.000	54.000	PEAK

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ * ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The Emission above 13GHz were not included is because their levels are too low.

Site : Site 2	Time : 2008/05/05 - 15:56
Limit : FCC_SpartC_15.247_H_03M_AV	Margin : 6
EUT : WIRELESS G ADSL2+ MODEM ROUTER	Probe : CB4_FCC_1-18G(2007) - VERTICAL
Power : AC 120V/60Hz	Note : Transmit -G-CH11



		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)	Detector Type
1		4925.600	4.315	38.490	42.805	-11.195	74.000	54.000	AVERAGE
2	*	6565.360	8.292	42.050	50.342	-3.658	74.000	54.000	AVERAGE
3		7383.200	12.614	30.190	42.804	-11.196	74.000	54.000	AVERAGE

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The Emission above 13GHz were not included is because their levels are too low.

5. RF antenna conducted test

5.1. Test Equipment

The following test equipments are used during the test:

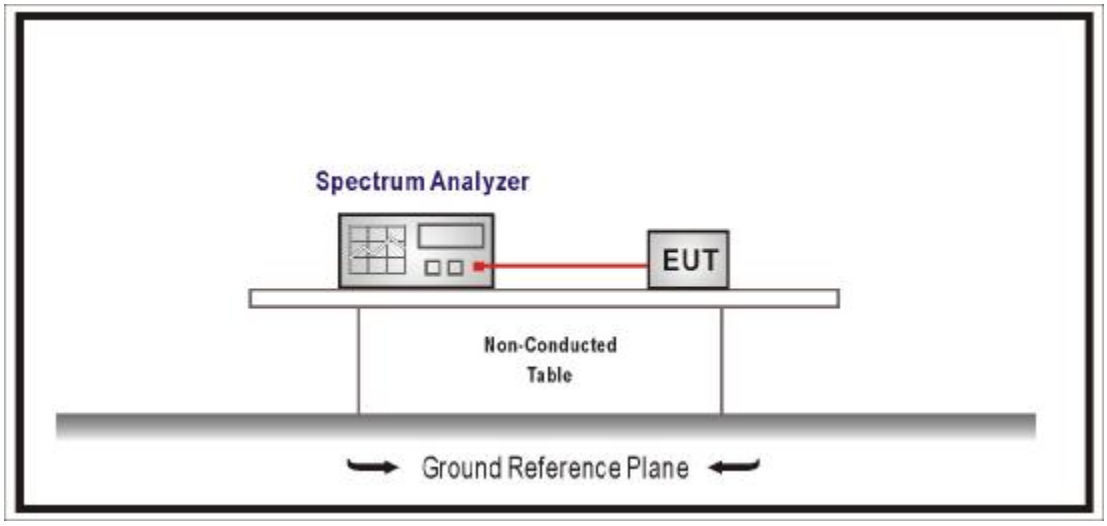
RF Conducted Measurement:				
Item	Equipment	Manufacturer	Model No. / Serial No.	Last Cal.
1	Spectrum Analyzer	R & S	FSP / 100561	Jan., 2008
2	No.1 OATS			Sep., 2007

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

2. Test instruments are marked with “X” are used to measure the final test results.

5.2. Test Setup

RF Antenna Conducted 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 an RF conducted or 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 was tested according to DTS test procedure of Oct 2002 KDB558074 for compliance to FCC 47CFR 15.247 requirements.
Set RBW = 100 kHz, Set VBW> RBW, scan up through 10th harmonic.

5.5. Uncertainty

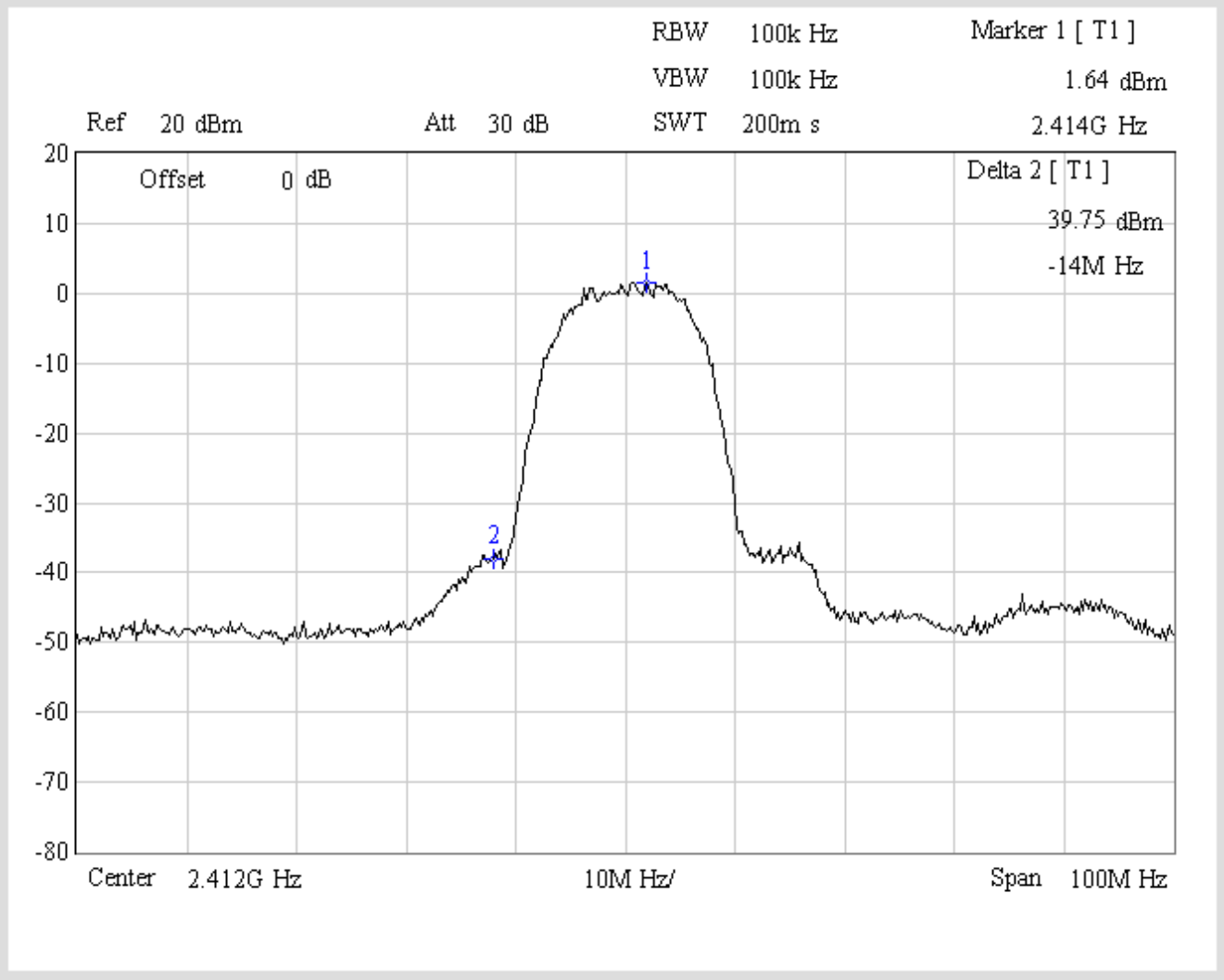
The measurement uncertainty
Conducted is defined as ± 1.27dB
Radiated is defined as ± 3.9dB

5.6. Test Result

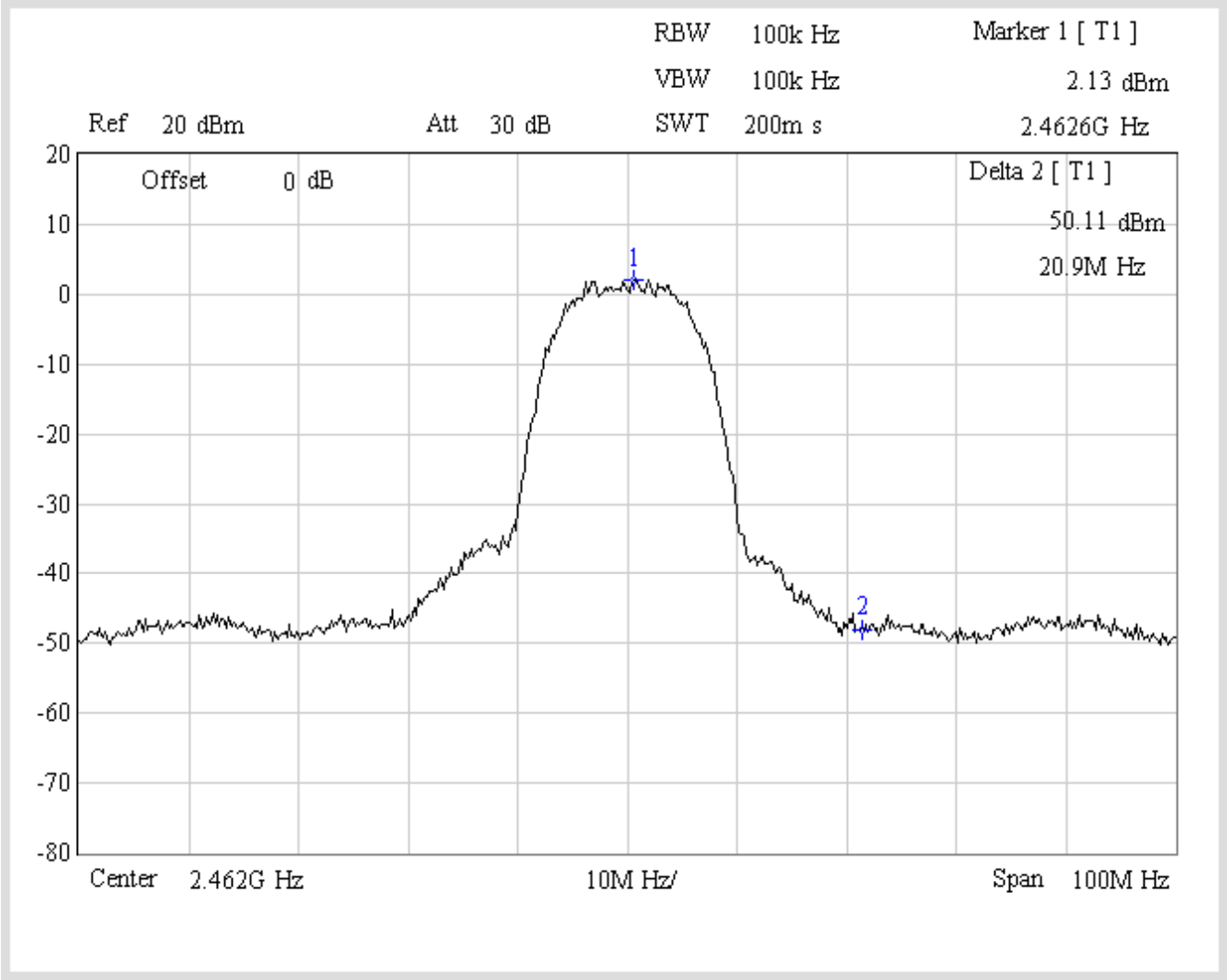
Product	WIRELESS G ADSL2+ MODEM ROUTER		
Test Item	RF antenna conducted test		
Test Mode	Transmit		
Date of Test	2008/06/05	Test Site	No.1 OATS

IEEE 802.11b, Antenna Gain: 2dBi, Duty Cycle: 1				
Channel No.	Frequency (MHz)	Measure Level (dBc)	Limit (dBc)	Result
1	2412	39.75	> 30	Pass
11	2462	50.11	> 30	Pass

Channel 01 (2412MHz)



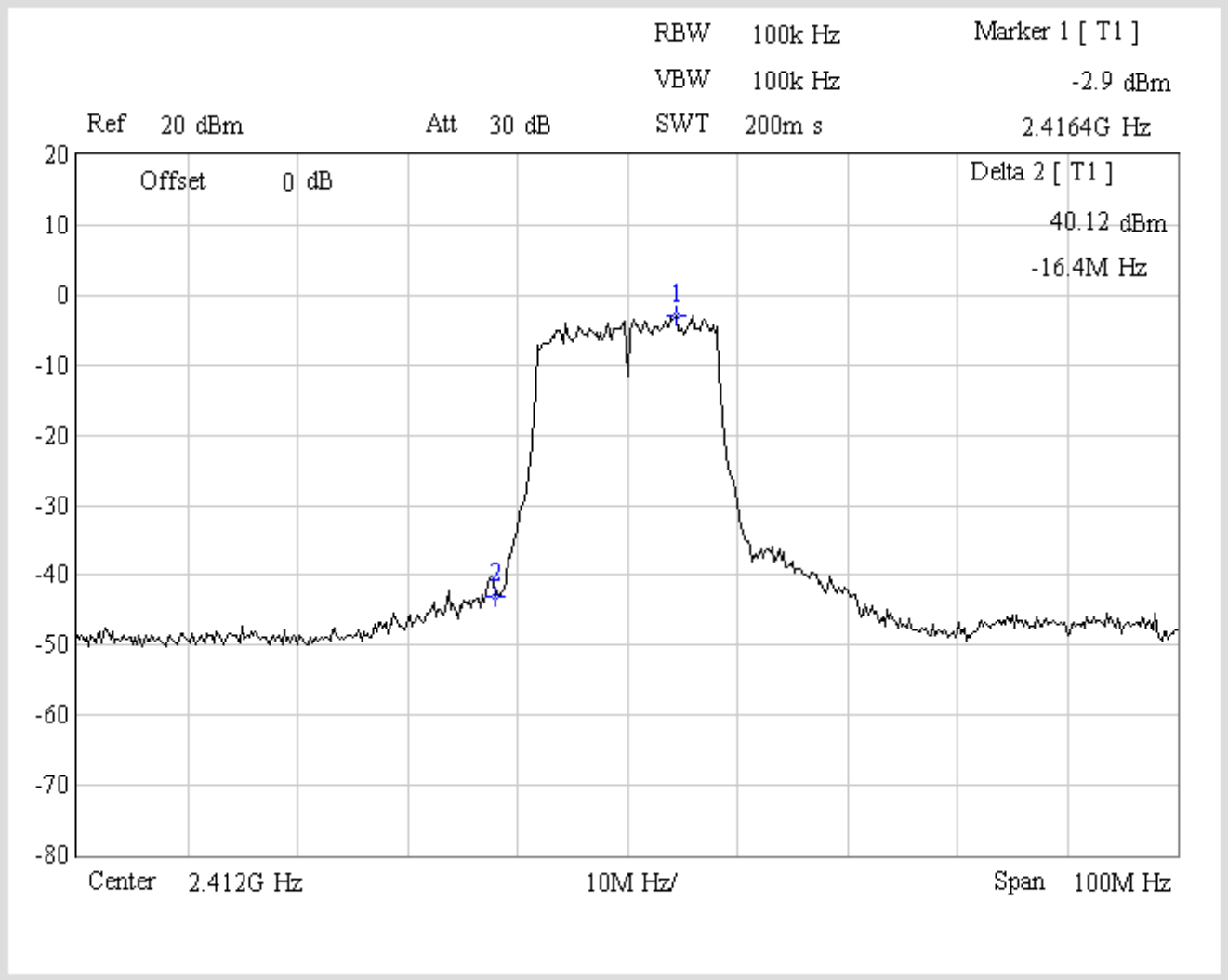
Channel 11 (2462MHz)



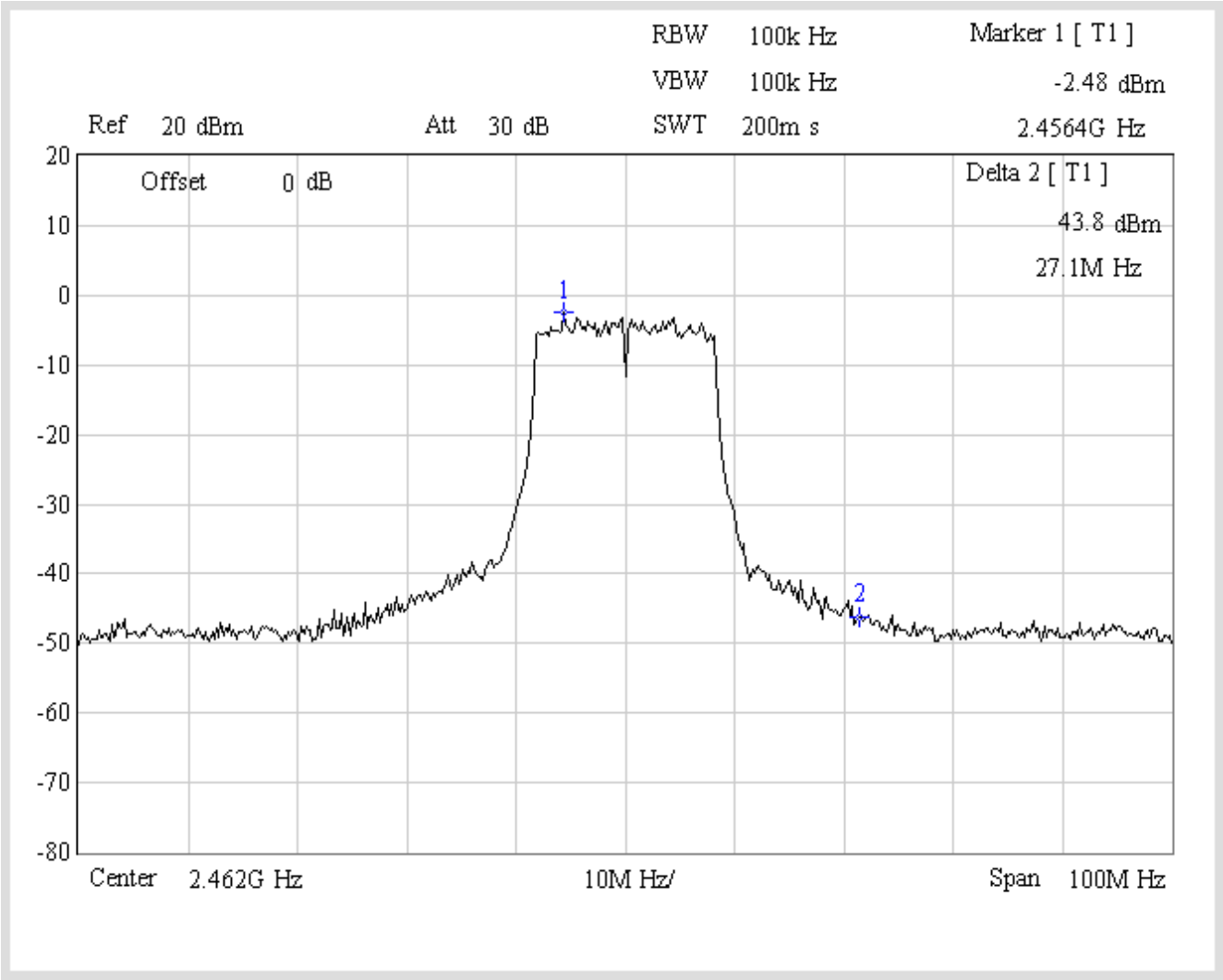
Product	WIRELESS G ADSL2+ MODEM ROUTER		
Test Item	RF antenna conducted test		
Test Mode	Transmit		
Date of Test	2008/06/05	Test Site	No.1 OATS

IEEE 802.11g, Antenna Gain: 2dBi, Duty Cycle: 1				
Channel No.	Frequency (MHz)	Measure Level (dBc)	Limit (dBc)	Result
1	2412	40.12	> 30	Pass
11	2462	43.80	> 30	Pass

Channel 01 (2412MHz)



Channel 11 (2462MHz)



6. Band Edge

6.1. Test Equipment

The following test equipments are used during the test:

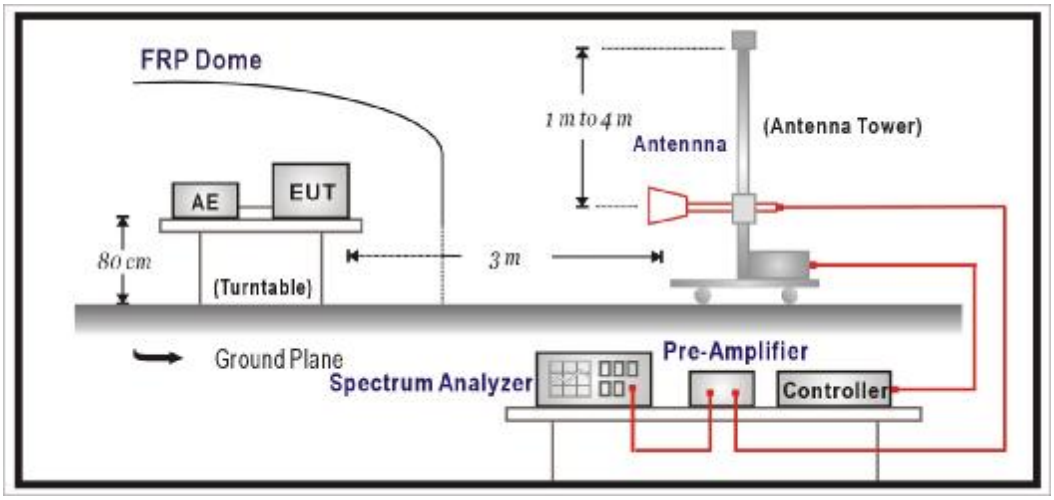
RF Radiated Measurement:					
Item	Equipment		Manufacturer	Model No. / Serial No.	Last Cal.
1	X	Spectrum Analyzer	R & S	FSP40 / 100005	Aug., 2007
2	X	Pre-Amplifier	HP	8449B / 3008A01123	Feb., 2008
3		Loop Antenna	R & S	HFH2-Z2 / 833799/004	Sep., 2007
4		BiconiLog Antenna	Schwarzbeck	VULB 9166 / 1061	Sep., 2007
5		Bilog Antenna	Chase	CBL6112B / 2455	Sep., 2007
6	X	Horn Antenna	Schwarzbeck	BBHA 9120D / BBHA9120D312	Sep., 2007
7	No.1 OATS				Sep., 2007

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

2. Test instruments are marked with “X” are used to measure the final test results.

6.2. Test Setup

RF Radiated Measurement:



6.3. 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.

6.4. Test Procedure

The EUT was setup according to ANSI C63.4, 2003 and tested according to DTS test procedure of Oct 2002 KDB558074 for compliance to FCC 47CFR 15.247 requirements. The EUT is placed on a turn table which is 0.8 meter above ground. The turn table is rotated 360 degrees to determine the position of the maximum emission level. The EUT was positioned such that the distance from antenna to the EUT was 3 meters.
The antenna is scanned from 1 meter to 4 meters to find out the maximum emission level. This is repeated for both horizontal and vertical polarization of the antenna. In order to find the maximum emission, all of the interface cables were manipulated according to ANSI C63.4:2003 on radiated measurement.

6.5. Uncertainty

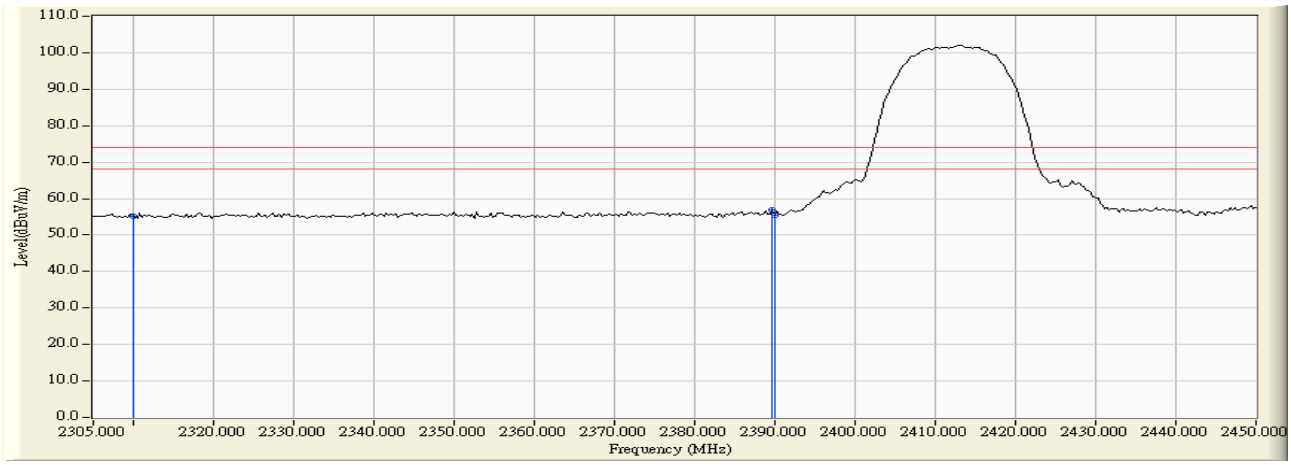
The measurement uncertainty

± 3.9 dB above 1GHz

6.6. Test Result

Radiated is defined as

Site : Site 1	Time : 2008/06/10 - 15:17
Limit : FCC_15.209(961011)_03M_PK	Margin : 6
Probe : CB4_FCC_1-18G(2008-05) - HORIZONTAL	Power : AC 120V/60Hz
EUT : WIRELESS G ADSL2+ MODEM ROUTER	Note : CH1-B

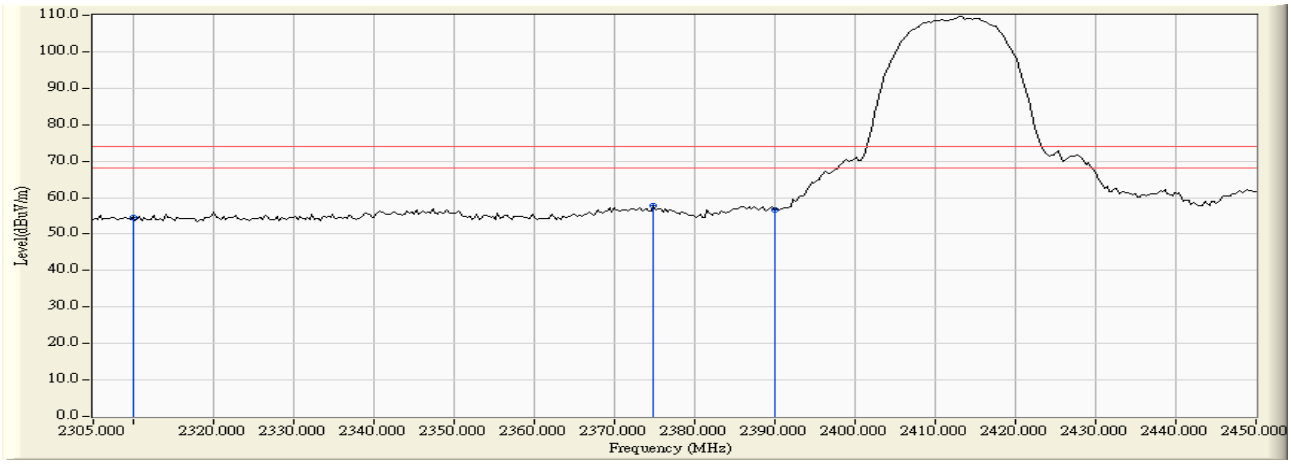


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)	Detector Type
1		2310.000	30.823	24.425	55.247	-18.753	74.000	54.000	PEAK
2	*	2389.680	31.085	25.759	56.845	-17.155	74.000	54.000	PEAK
3		2390.000	31.087	24.473	55.560	-18.440	74.000	54.000	PEAK

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ * ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

Site : Site 1	Time : 2008/06/10 - 15:38
Limit : FCC_15.209(961011)_03M_PK	Margin : 6
Probe : CB4_FCC_1-18G(2008-05) - VERTICAL	Power : AC 120V/60Hz
EUT : WIRELESS G ADSL2+ MODEM ROUTER	Note : CH1-B

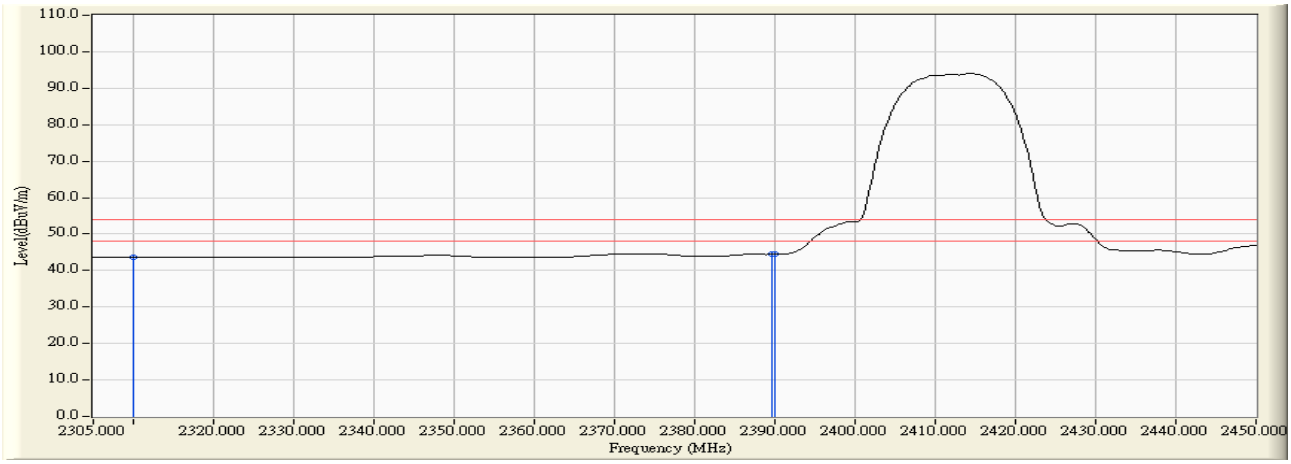


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)	Detector Type
1		2310.000	30.823	23.878	54.700	-19.300	74.000	54.000	PEAK
2	*	2374.890	31.037	26.711	57.748	-16.252	74.000	54.000	PEAK
3		2390.000	31.087	25.524	56.611	-17.389	74.000	54.000	PEAK

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ * ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

Site : Site 1	Time : 2008/06/10 - 15:19
Limit : FCC_15.209(961011)_03M_AV	Margin : 6
Probe : CB4_FCC_1-18G(2008-05) - HORIZONTAL	Power : AC 120V/60Hz
EUT : WIRELESS G ADSL2+ MODEM ROUTER	Note : CH1-B

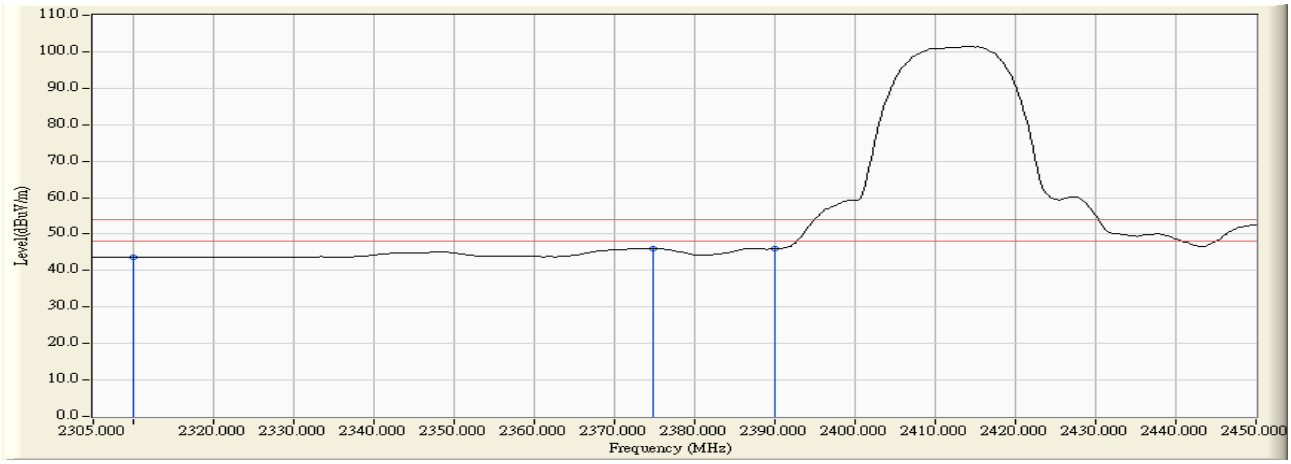


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)	Detector Type
1		2310.000	30.823	12.733	43.555	-10.445	74.000	54.000	AVERAGE
2	*	2389.680	31.085	13.314	44.400	-9.600	74.000	54.000	AVERAGE
3		2390.000	31.087	13.337	44.424	-9.576	74.000	54.000	AVERAGE

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ * ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

Site : Site 1	Time : 2008/06/10 - 15:41
Limit : FCC_15.209(961011)_03M_AV	Margin : 6
Probe : CB4_FCC_1-18G(2008-05) - VERTICAL	Power : AC 120V/60Hz
EUT : WIRELESS G ADSL2+ MODEM ROUTER	Note : CH1-B

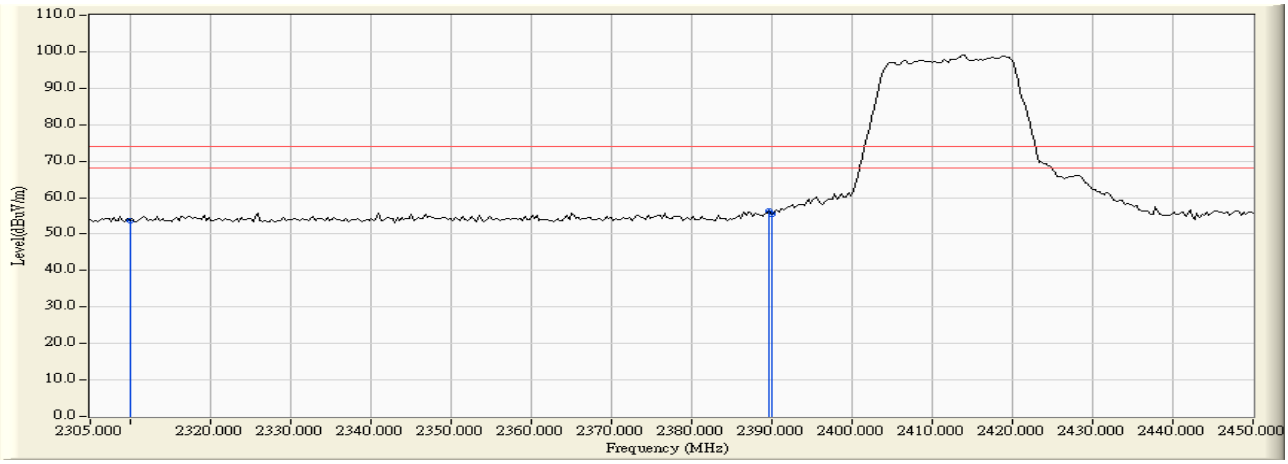


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)	Detector Type
1		2310.000	30.823	12.787	43.609	-10.391	74.000	54.000	AVERAGE
2	*	2374.890	31.037	15.031	46.068	-7.932	74.000	54.000	AVERAGE
3		2390.000	31.087	14.852	45.939	-8.061	74.000	54.000	AVERAGE

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ * ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

Site : Site 1	Time : 2008/06/10 - 15:23
Limit : FCC_15.209(961011)_03M_PK	Margin : 6
Probe : CB4_FCC_1-18G(2008-05) - HORIZONTAL	Power : AC 120V/60Hz
EUT : WIRELESS G ADSL2+ MODEM ROUTER	Note : CH1-G

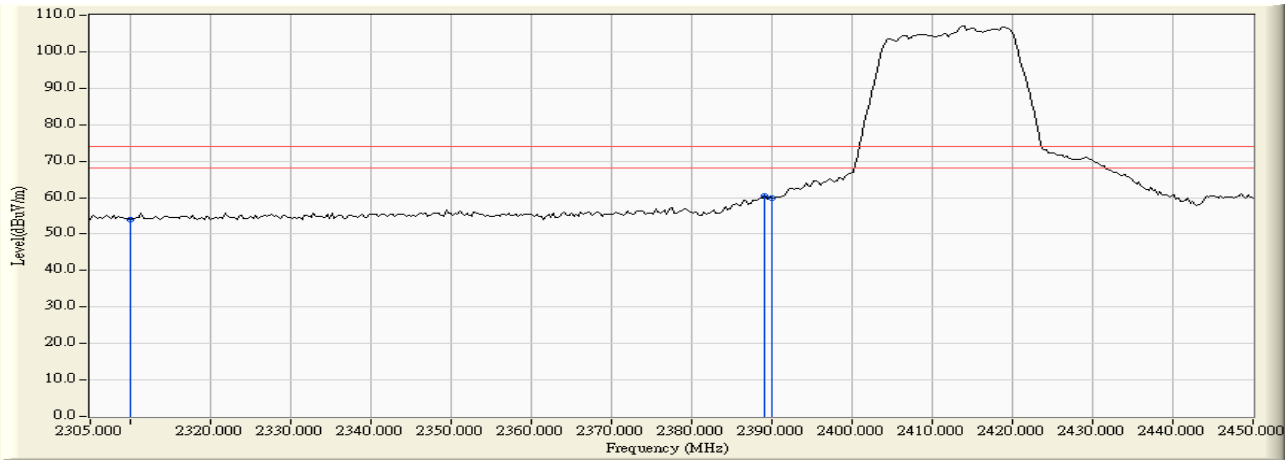


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)	Detector Type
1		2310.000	30.823	22.991	53.813	-20.187	74.000	54.000	PEAK
2	*	2389.680	31.085	25.115	56.201	-17.799	74.000	54.000	PEAK
3		2390.000	31.087	24.473	55.560	-18.440	74.000	54.000	PEAK

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ * ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

Site : Site 1	Time : 2008/06/10 - 15:43
Limit : FCC_15.209(961011)_03M_PK	Margin : 6
Probe : CB4_FCC_1-18G(2008-05) - VERTICAL	Power : AC 120V/60Hz
EUT : WIRELESS G ADSL2+ MODEM ROUTER	Note : CH1-G

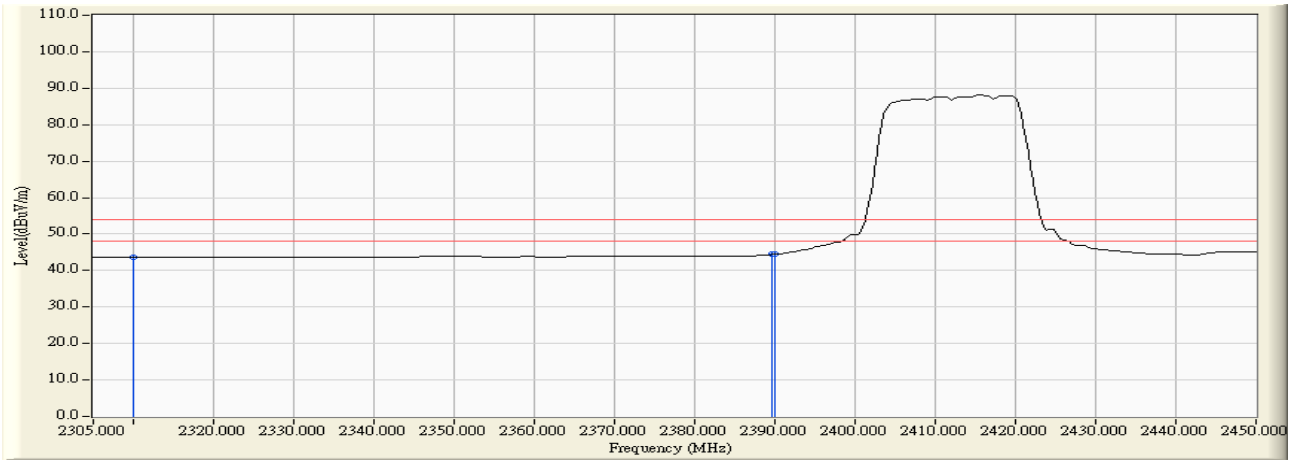


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)	Detector Type
1		2310.000	30.823	23.256	54.078	-19.922	74.000	54.000	PEAK
2	*	2389.100	31.084	29.232	60.316	-13.684	74.000	54.000	PEAK
3		2390.000	31.087	28.653	59.740	-14.260	74.000	54.000	PEAK

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ * ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

Site : Site 1	Time : 2008/06/10 - 15:25
Limit : FCC_15.209(961011)_03M_AV	Margin : 6
Probe : CB4_FCC_1-18G(2008-05) - HORIZONTAL	Power : AC 120V/60Hz
EUT : WIRELESS G ADSL2+ MODEM ROUTER	Note : CH1-G

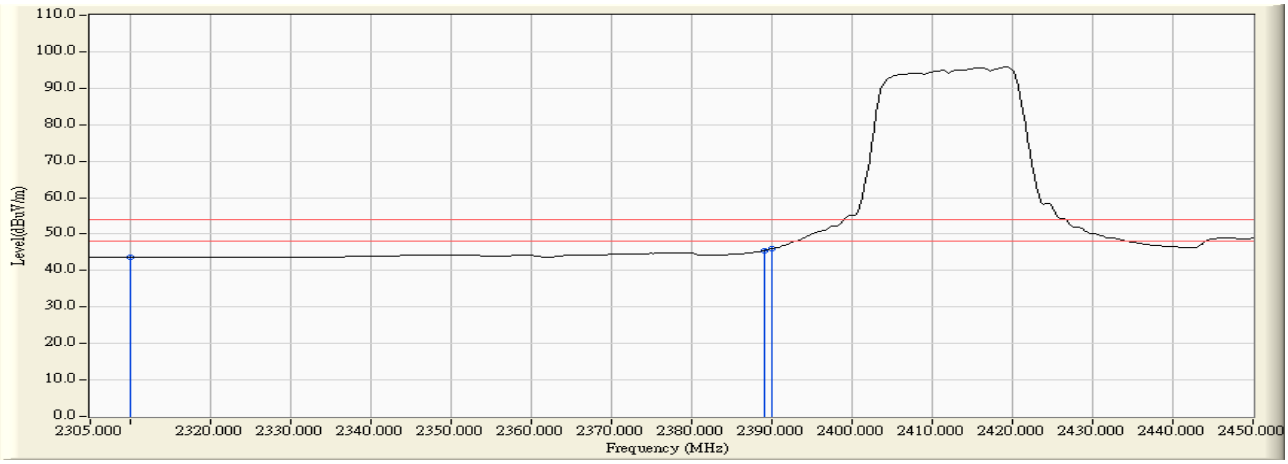


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)	Detector Type
1		2310.000	30.823	12.727	43.549	-10.451	74.000	54.000	AVERAGE
2	*	2389.680	31.085	13.318	44.404	-9.596	74.000	54.000	AVERAGE
3		2390.000	31.087	13.395	44.482	-9.518	74.000	54.000	AVERAGE

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ * ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

Site : Site 1	Time : 2008/06/10 - 15:45
Limit : FCC_15.209(961011)_03M_AV	Margin : 6
Probe : CB4_FCC_1-18G(2008-05) - VERTICAL	Power : AC 120V/60Hz
EUT : WIRELESS G ADSL2+ MODEM ROUTER	Note : CH1-G

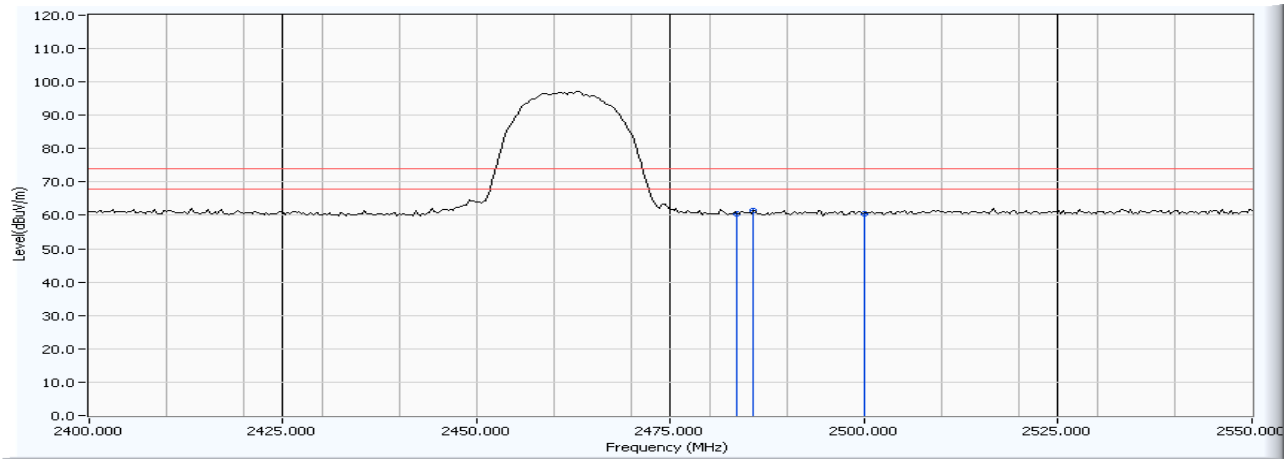


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)	Detector Type
1		2310.000	30.823	12.765	43.587	-10.413	74.000	54.000	AVERAGE
2	*	2389.100	31.084	14.417	45.501	-8.499	74.000	54.000	AVERAGE
3		2390.000	31.087	14.857	45.944	-8.056	74.000	54.000	AVERAGE

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ * ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

Site : Site 1	Time : 2008/06/11 - 18:38
Limit : FCC_15.209(961011)_03M_PK	Margin : 6
Probe : CB4_FCC_1-18G(2008-05) - HORIZONTAL	Power : AC 120V/60Hz
EUT : WIRELESS G ADSL2+ MODEM ROUTER	Note : TX-B-CH11

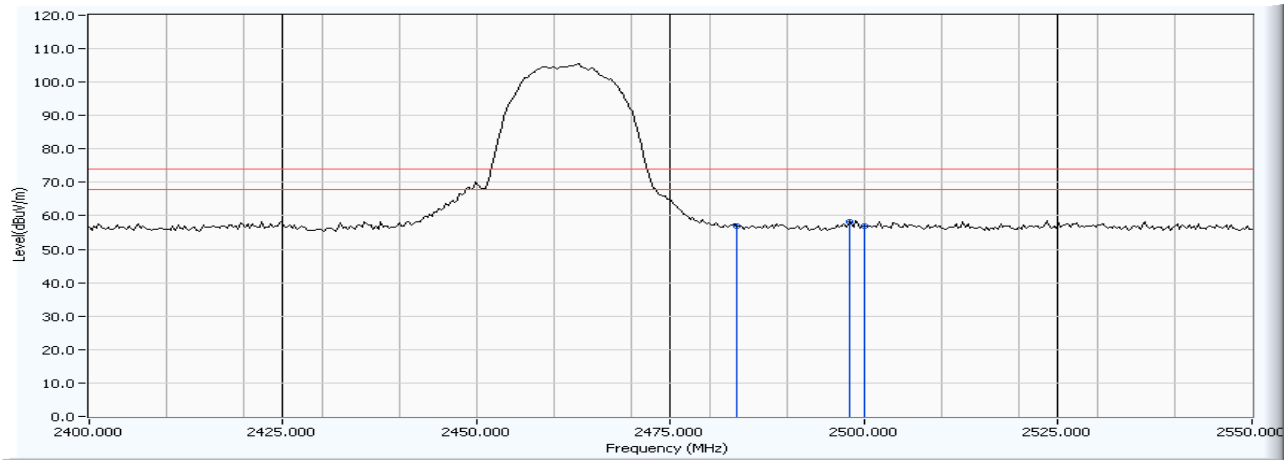


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)	Detector Type
1		2483.500	30.696	29.873	60.568	-13.432	74.000	54.000	PEAK
2	*	2485.671	30.698	30.639	61.337	-12.663	74.000	54.000	PEAK
3		2500.000	30.722	29.880	60.602	-13.398	74.000	54.000	PEAK

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ * ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

Site : Site 1	Time : 2008/06/11 - 18:54
Limit : FCC_15.209(961011)_03M_PK	Margin : 6
Probe : CB4_FCC_1-18G(2008-05) - VERTICAL	Power : AC 120V/60Hz
EUT : WIRELESS G ADSL2+ MODEM ROUTER	Note : TX-B-CH11

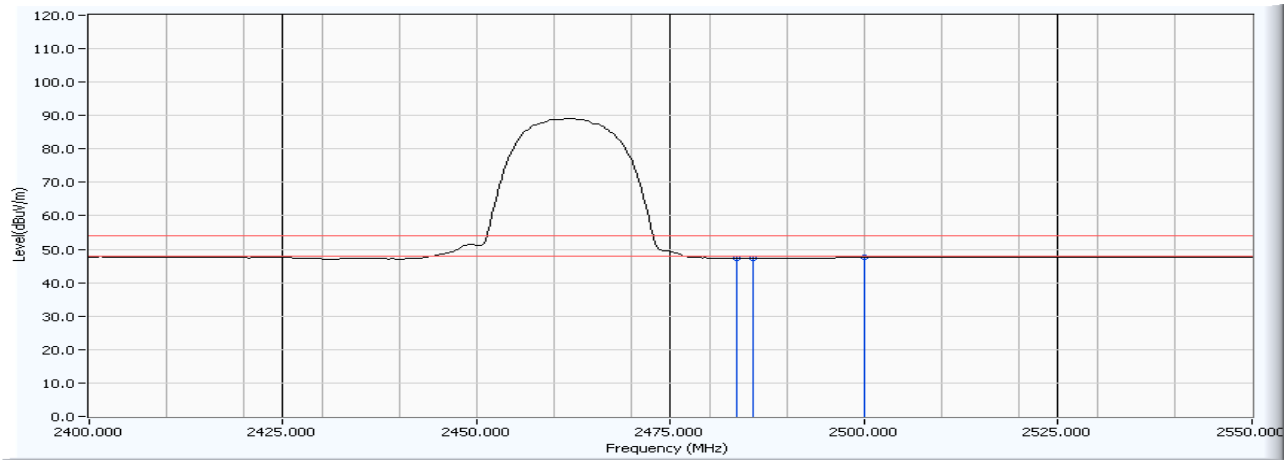


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)	Detector Type
1		2483.500	29.064	27.830	56.893	-17.107	74.000	54.000	PEAK
2	*	2497.996	29.107	29.040	58.147	-15.853	74.000	54.000	PEAK
3		2500.000	29.114	27.728	56.842	-17.158	74.000	54.000	PEAK

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ * ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

Site : Site 1	Time : 2008/06/11 - 18:39
Limit : FCC_15.209(961011)_03M_AV	Margin : 6
Probe : CB4_FCC_1-18G(2008-05) - HORIZONTAL	Power : AC 120V/60Hz
EUT : WIRELESS G ADSL2+ MODEM ROUTER	Note : TX-B-CH11

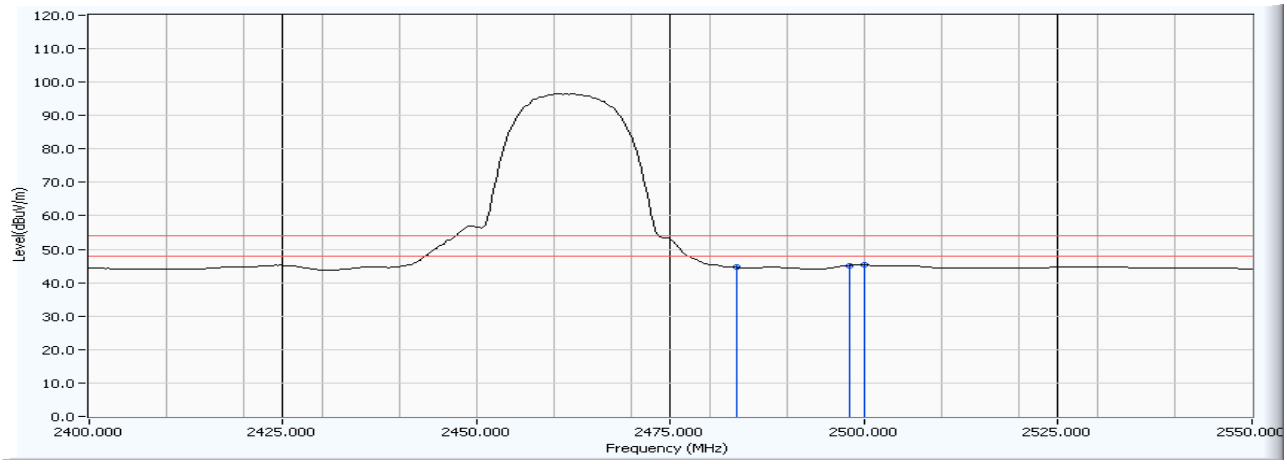


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)	Detector Type
1		2483.500	30.696	16.604	47.299	-6.701	74.000	54.000	AVERAGE
2	*	2485.671	30.698	16.606	47.304	-6.696	74.000	54.000	AVERAGE
3		2500.000	30.722	16.878	47.600	-6.400	74.000	54.000	AVERAGE

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ * ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

Site : Site 1	Time : 2008/06/11 - 18:56
Limit : FCC_15.209(961011)_03M_AV	Margin : 6
Probe : CB4_FCC_1-18G(2008-05) - VERTICAL	Power : AC 120V/60Hz
EUT : WIRELESS G ADSL2+ MODEM ROUTER	Note : TX-B-CH11

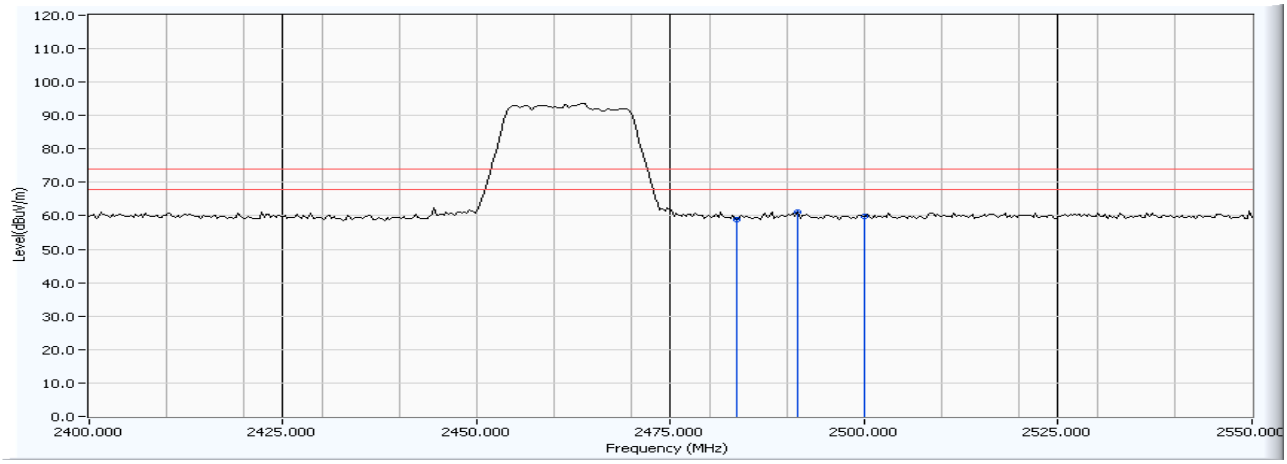


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)	Detector Type
1		2483.500	29.064	15.503	44.566	-9.434	74.000	54.000	AVERAGE
2	*	2497.996	29.107	16.039	45.146	-8.854	74.000	54.000	AVERAGE
3		2500.000	29.114	16.141	45.255	-8.745	74.000	54.000	AVERAGE

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ * ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

Site : Site 1	Time : 2008/06/11 - 18:41
Limit : FCC_15.209(961011)_03M_PK	Margin : 6
Probe : CB4_FCC_1-18G(2008-05) - HORIZONTAL	Power : AC 120V/60Hz
EUT : WIRELESS G ADSL2+ MODEM ROUTER	Note : TX-G-CH11

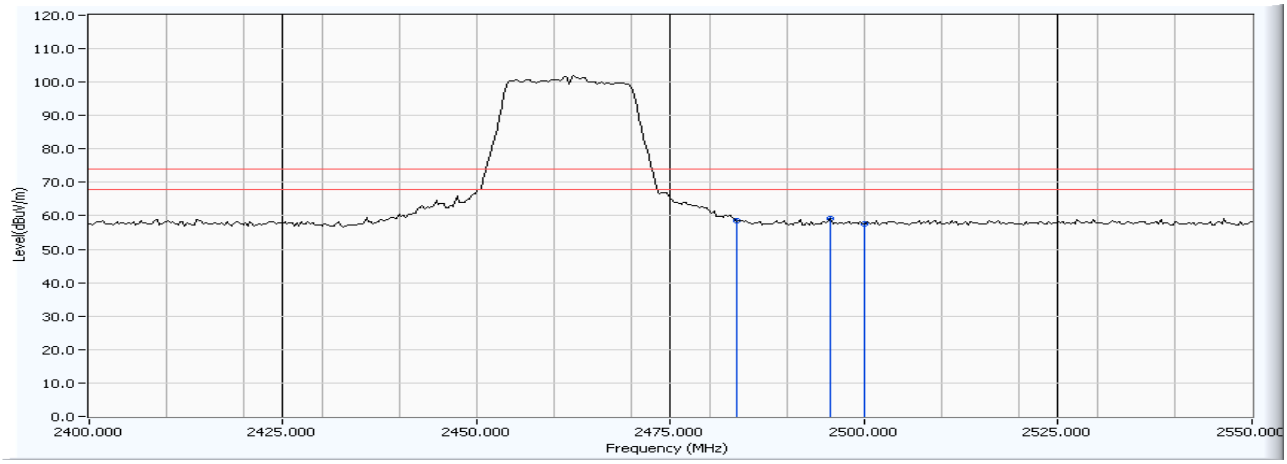


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)	Detector Type
1		2483.500	30.696	28.314	59.009	-14.991	74.000	54.000	PEAK
2	*	2491.383	30.704	30.458	61.163	-12.837	74.000	54.000	PEAK
3		2500.000	30.722	29.143	59.865	-14.135	74.000	54.000	PEAK

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ * ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

Site : Site 1	Time : 2008/06/11 - 18:47
Limit : FCC_15.209(961011)_03M_PK	Margin : 6
Probe : CB4_FCC_1-18G(2008-05) - VERTICAL	Power : AC 120V/60Hz
EUT : WIRELESS G ADSL2+ MODEM ROUTER	Note : TX-G-CH11

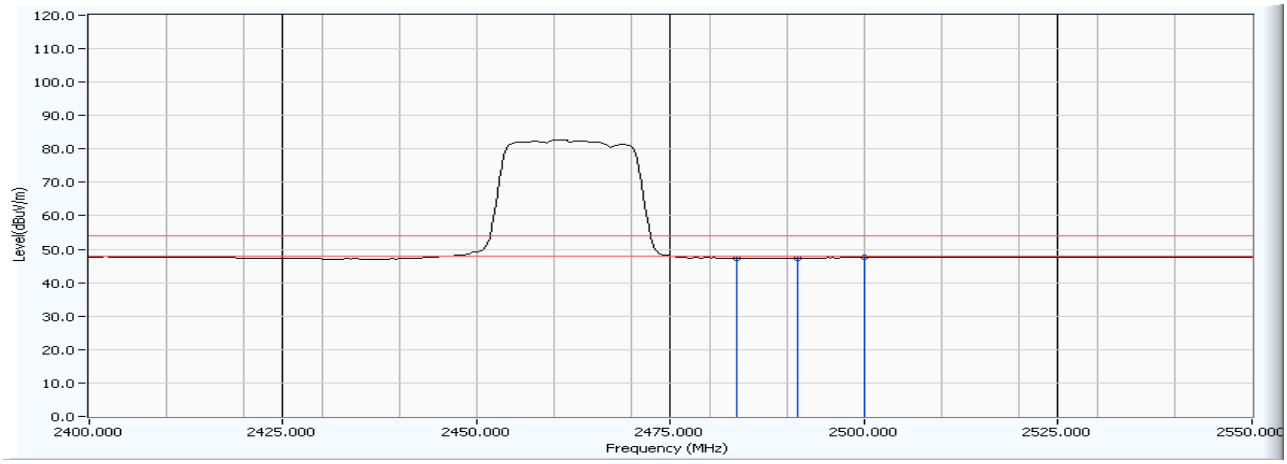


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)	Detector Type
1		2483.500	29.064	29.383	58.446	-15.554	74.000	54.000	PEAK
2	*	2495.591	29.099	29.964	59.063	-14.937	74.000	54.000	PEAK
3		2500.000	29.114	28.422	57.536	-16.464	74.000	54.000	PEAK

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ * ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

Site : Site 1	Time : 2008/06/11 - 18:42
Limit : FCC_15.209(961011)_03M_AV	Margin : 6
Probe : CB4_FCC_1-18G(2008-05) - HORIZONTAL	Power : AC 120V/60Hz
EUT : WIRELESS G ADSL2+ MODEM ROUTER	Note : TX-G-CH11

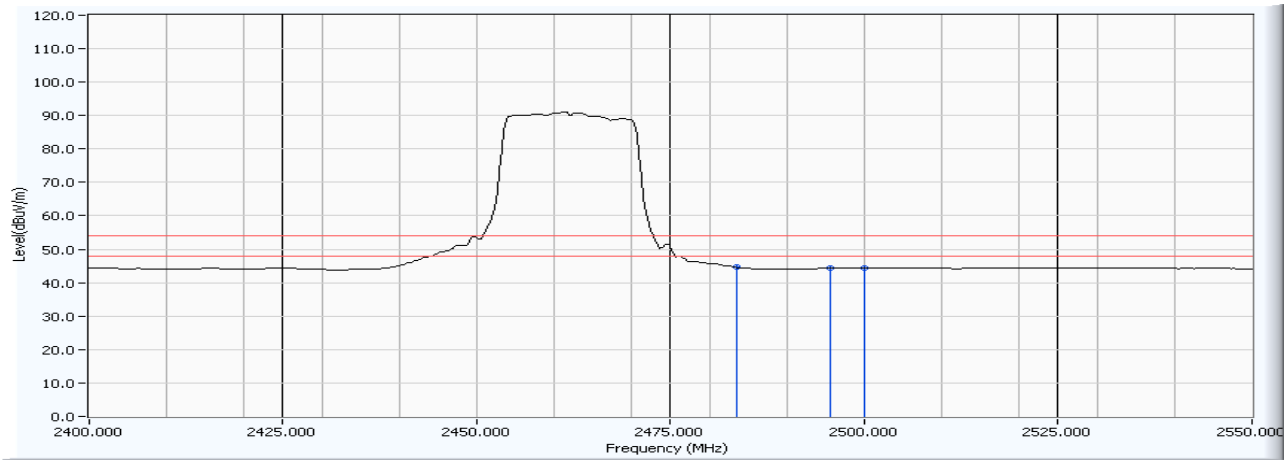


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)	Detector Type
1		2483.500	30.696	16.611	47.306	-6.694	74.000	54.000	AVERAGE
2	*	2491.383	30.704	16.693	47.398	-6.602	74.000	54.000	AVERAGE
3		2500.000	30.722	16.815	47.537	-6.463	74.000	54.000	AVERAGE

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ * ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

Site : Site 1	Time : 2008/06/11 - 18:51
Limit : FCC_15.209(961011)_03M_AV	Margin : 6
Probe : CB4_FCC_1-18G(2008-05) - VERTICAL	Power : AC 120V/60Hz
EUT : WIRELESS G ADSL2+ MODEM ROUTER	Note : TX-G-CH11



		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)	Detector Type
1		2483.500	29.064	15.495	44.558	-9.442	74.000	54.000	AVERAGE
2	*	2495.591	29.099	15.300	44.399	-9.601	74.000	54.000	AVERAGE
3		2500.000	29.114	15.384	44.498	-9.502	74.000	54.000	AVERAGE

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ * ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

7. Occupied Bandwidth

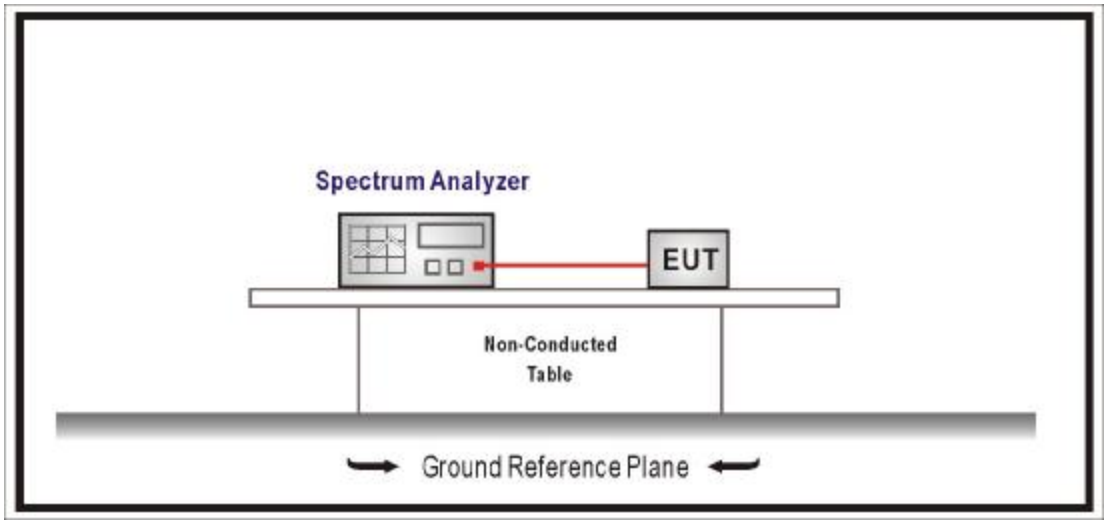
7.1. Test Equipment

The following test equipments are used during the test:

Item	Equipment	Manufacturer	Model No. / Serial No.	Last Cal.
1	Spectrum Analyzer	R & S	FSP / 100561	Jan., 2008
2	No.1 OATS			Sep., 2007

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

7.2. Test Setup



7.3. Test Procedures

The EUT was setup according to ANSI C63.4, 2003; tested according to DTS test procedure of Oct 2002 KDB558074 for compliance to FCC 47CFR 15.247 requirements.
Set RBW = 100 kHz, Span greater than RBW.

7.4. Limits

The 6 dB bandwidth must be greater than 500 kHz.

7.5. Uncertainty

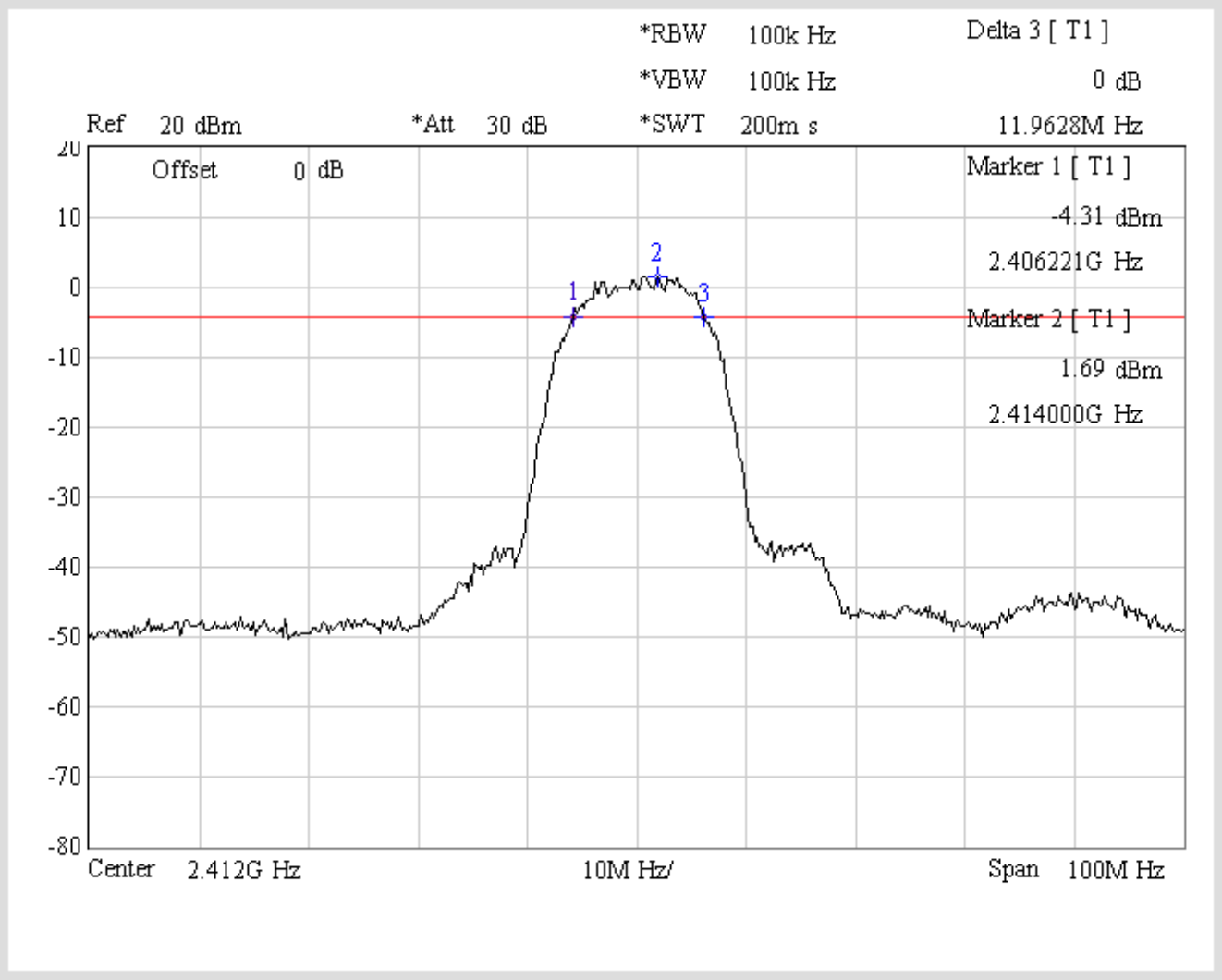
The measurement uncertainty is defined as ±150Hz

7.6. Test Result

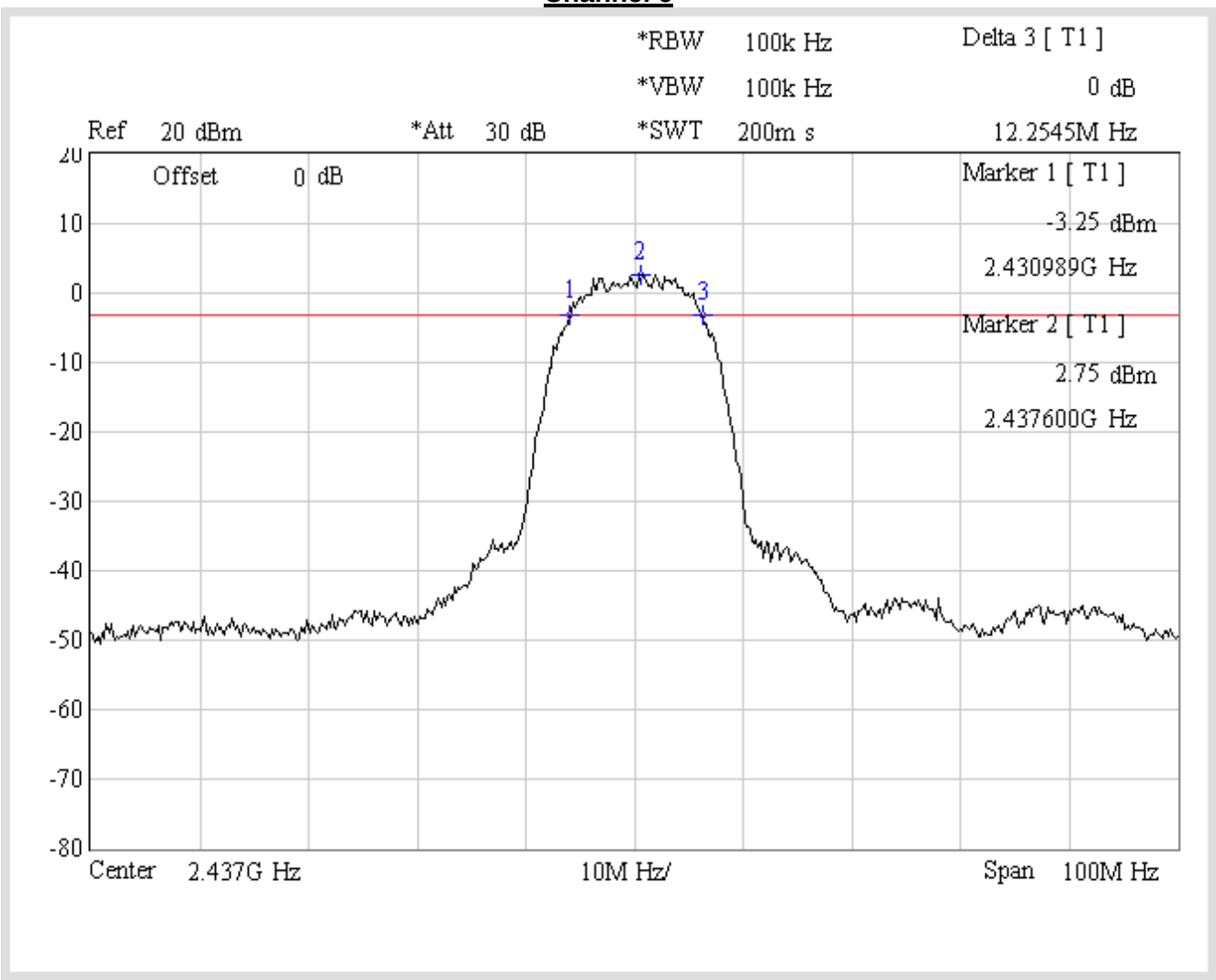
Product	WIRELESS G ADSL2+ MODEM ROUTER		
Test Item	Occupied Bandwidth		
Test Mode	Transmit		
Date of Test	2008/06/05	Test Site	No.1 OATS

802.11 b				
Channel No.	Frequency (MHz)	Measurement Level (kHz)	Required Limit (kHz)	Result
1	2412.00	11962.8	≧500	Pass
6	2437.00	12254.5	≧500	Pass
11	2462.00	12150.3	≧500	Pass

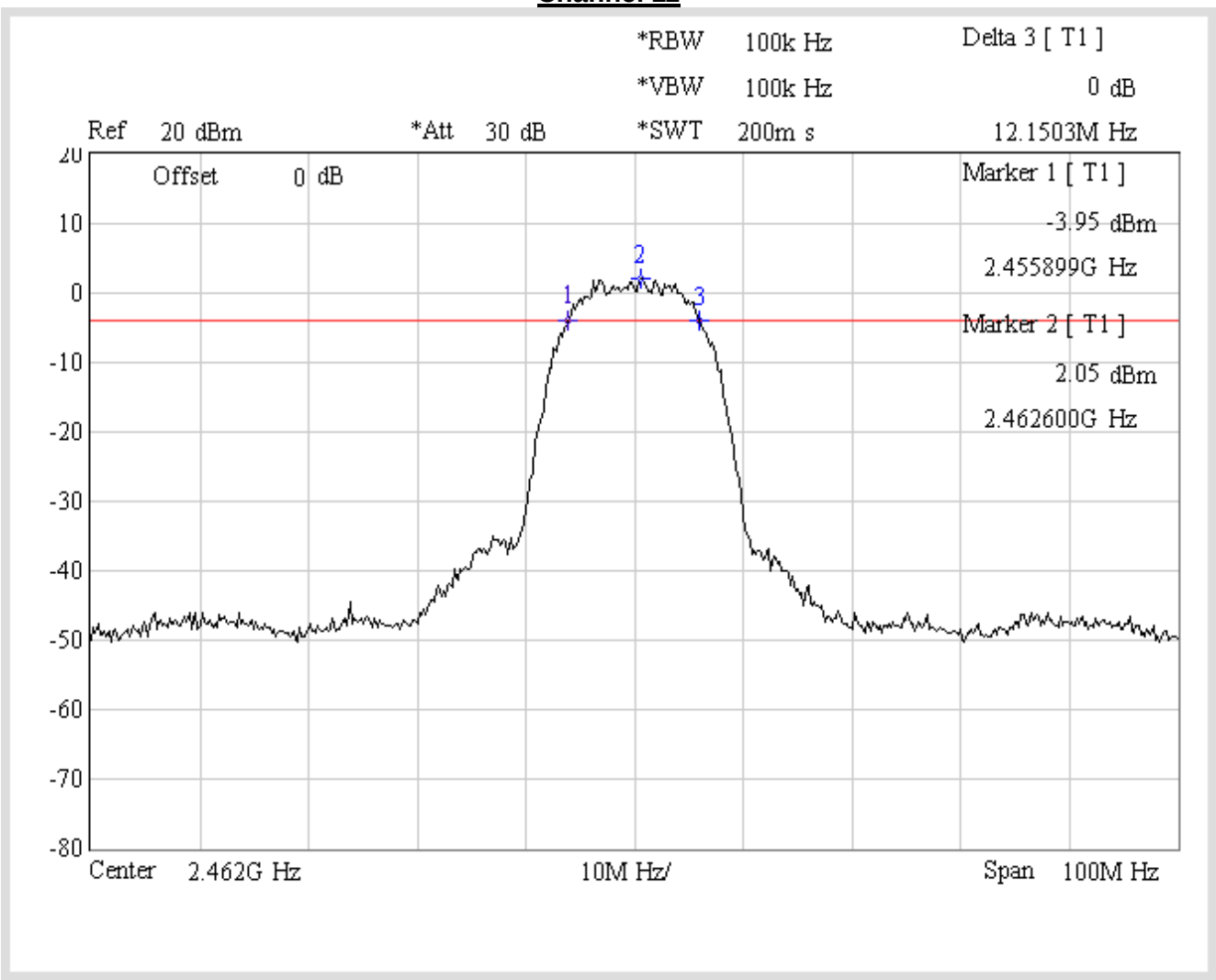
Channel 1



Channel 6


*RBW 100k Hz
*VBW 100k Hz
*SWT 200m s
Delta 3 [T1]
0 dB
12.2545M Hz
Ref 20 dBm
*Att 30 dB
Offset 0 dB
Marker 1 [T1]
-3.25 dBm
2.430989G Hz
Marker 2 [T1]
2.75 dBm
2.437600G Hz
20
10
0
-10
-20
-30
-40
-50
-60
-70
-80
Center 2.437G Hz
10M Hz/
Span 100M Hz

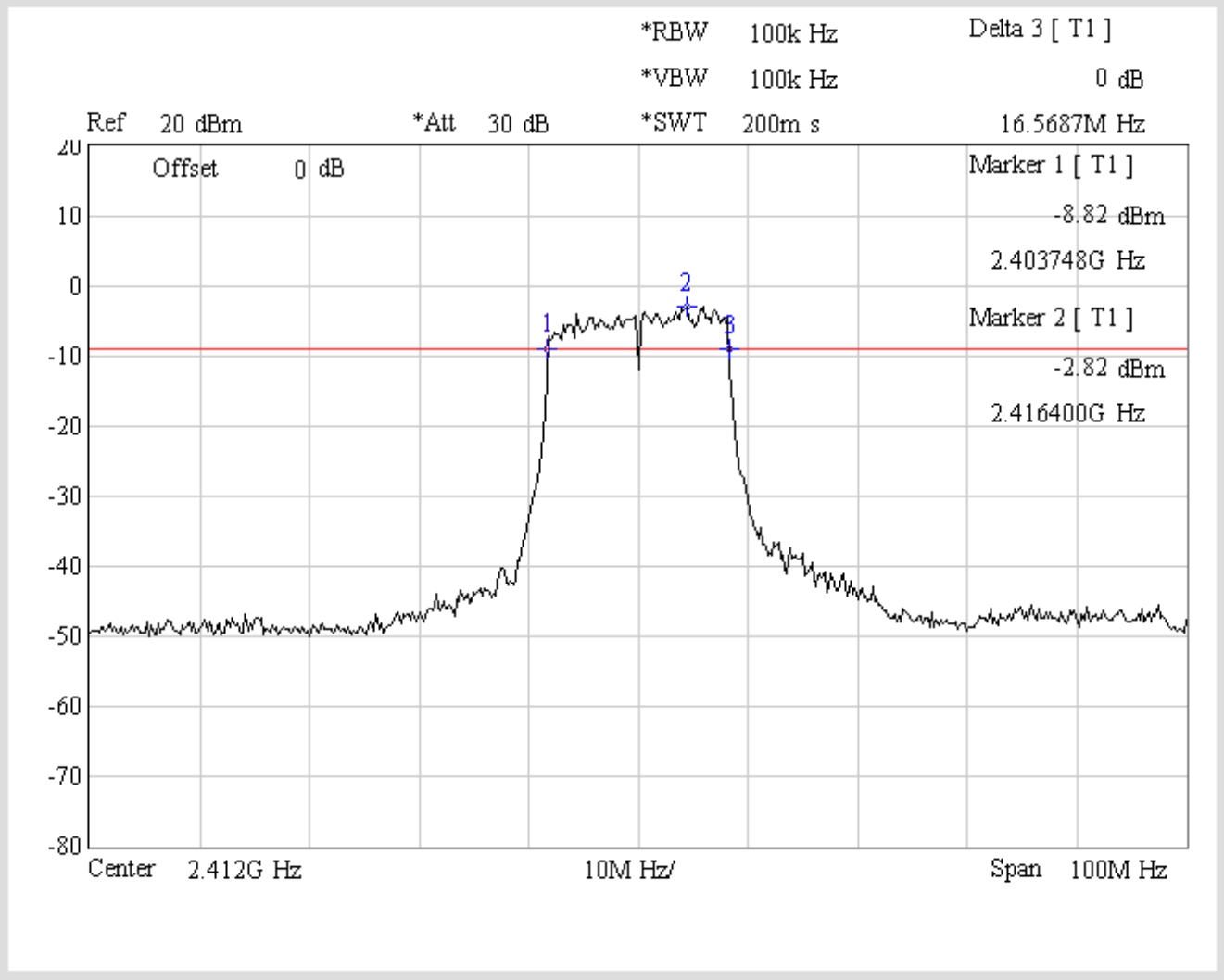
Channel 11


*RBW 100k Hz
*VBW 100k Hz
Delta 3 [T1]
0 dB
Ref 20 dBm
*Att 30 dB
*SWT 200m s
12.1503M Hz
Offset 0 dB
Marker 1 [T1]
-3.95 dBm
2.455899G Hz
Marker 2 [T1]
2.05 dBm
2.462600G Hz
20
10
0
-10
-20
-30
-40
-50
-60
-70
-80
Center 2.462G Hz
10M Hz/
Span 100M Hz

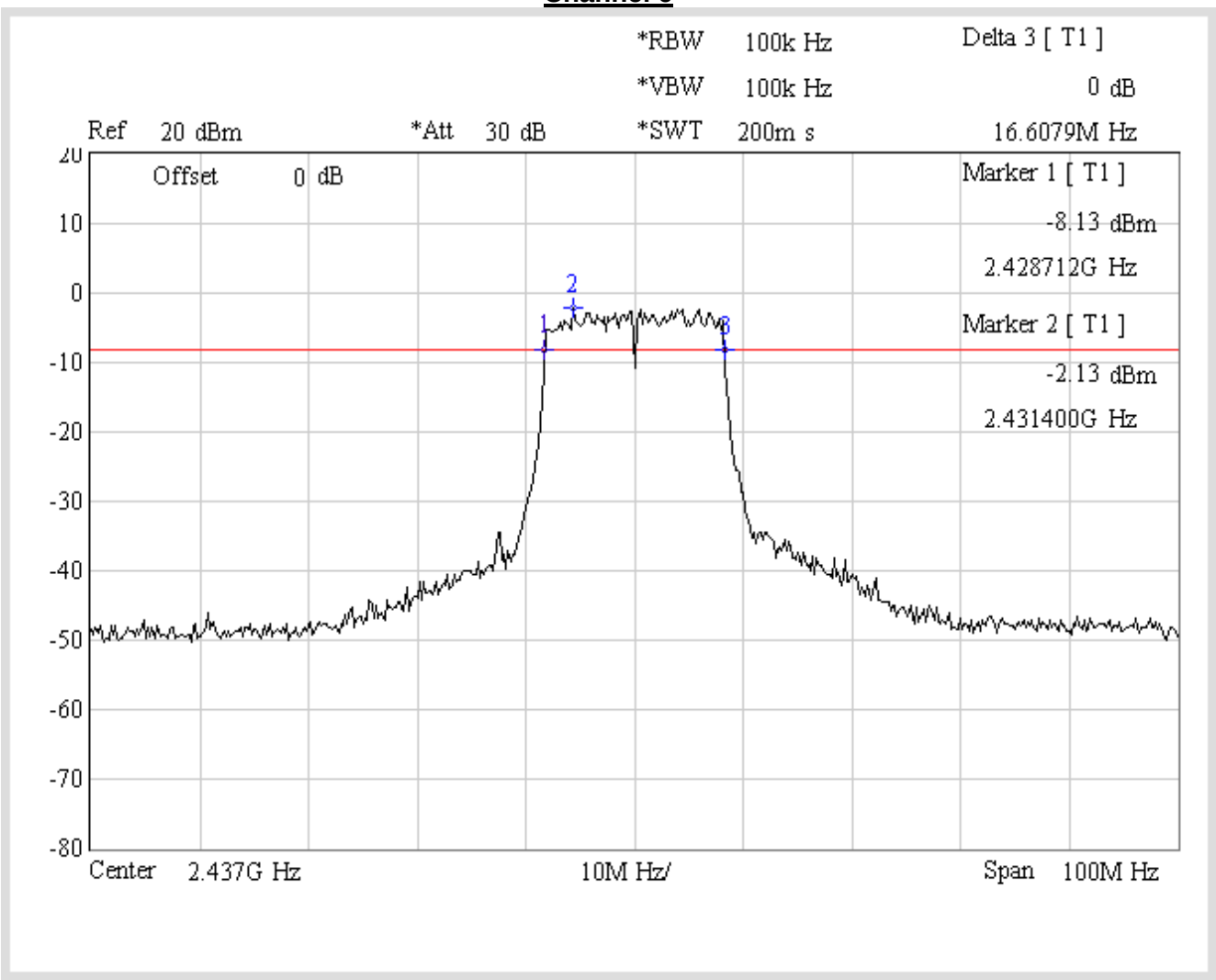
Product	WIRELESS G ADSL2+ MODEM ROUTER		
Test Item	Occupied Bandwidth		
Test Mode	Transmit		
Date of Test	2008/06/05	Test Site	No.1 OATS

IEEE 802.11g				
Channel No.	Frequency (MHz)	Measurement Level (kHz)	Required Limit (kHz)	Result
1	2412.00	16568.7	≧500	Pass
6	2437.00	16607.9	≧500	Pass
11	2462.00	16573.1	≧500	Pass

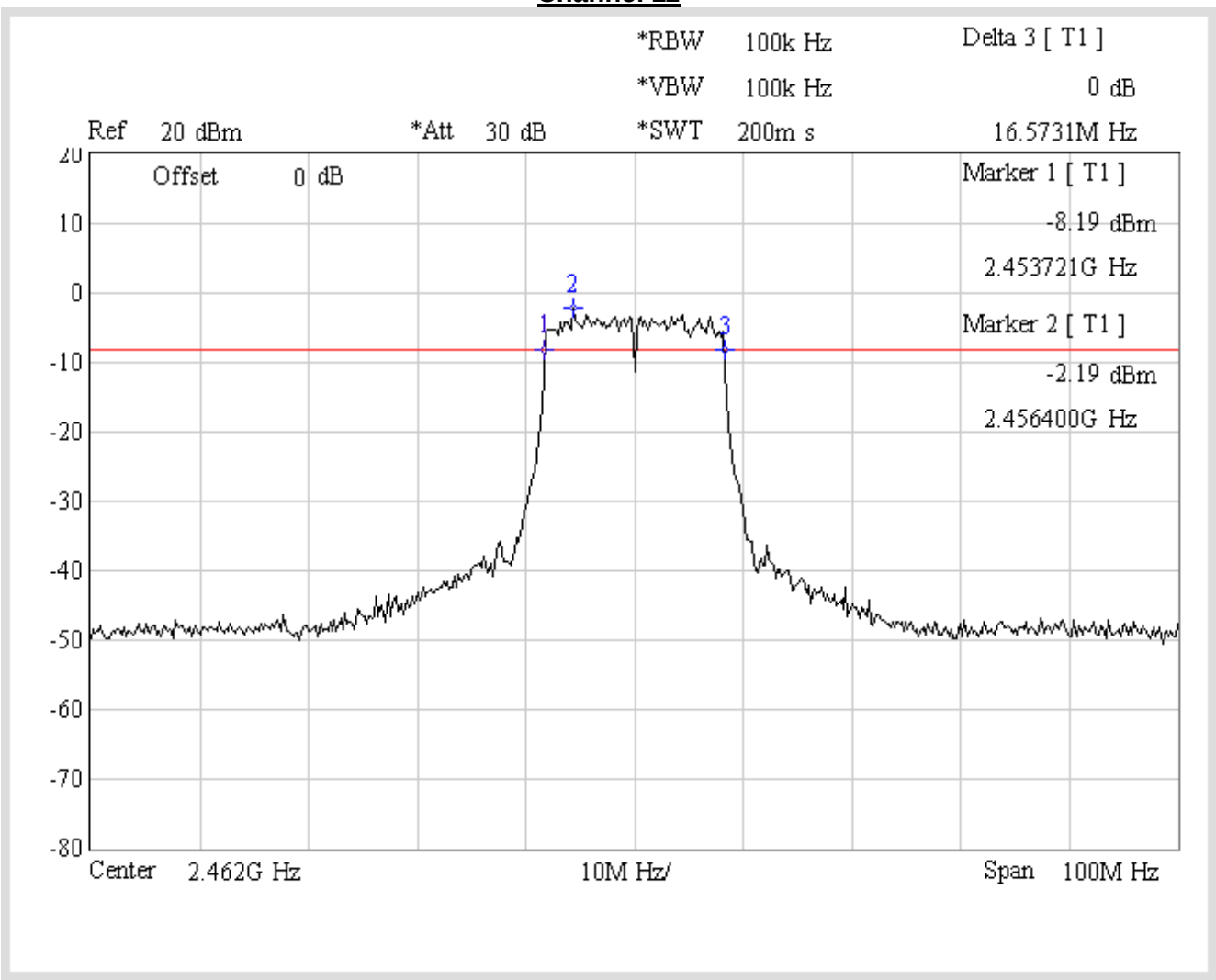
Channel 1



Channel 6


*RBW 100k Hz
*VBW 100k Hz
Delta 3 [T1]
0 dB
Ref 20 dBm
*Att 30 dB
*SWT 200m s
16.6079M Hz
Offset 0 dB
Marker 1 [T1]
-8.13 dBm
2.428712G Hz
Marker 2 [T1]
-2.13 dBm
2.431400G Hz
10
0
-10
-20
-30
-40
-50
-60
-70
-80
Center 2.437G Hz
10M Hz/
Span 100M Hz

Channel 11


*RBW 100k Hz
*VBW 100k Hz
Delta 3 [T1]
0 dB
Ref 20 dBm
*Att 30 dB
*SWT 200m s
16.5731M Hz
Offset 0 dB
Marker 1 [T1]
-8.19 dBm
2.453721G Hz
Marker 2 [T1]
-2.19 dBm
2.456400G Hz
20
10
0
-10
-20
-30
-40
-50
-60
-70
-80
Center 2.462G Hz
10M Hz/
Span 100M Hz

8. Power Density

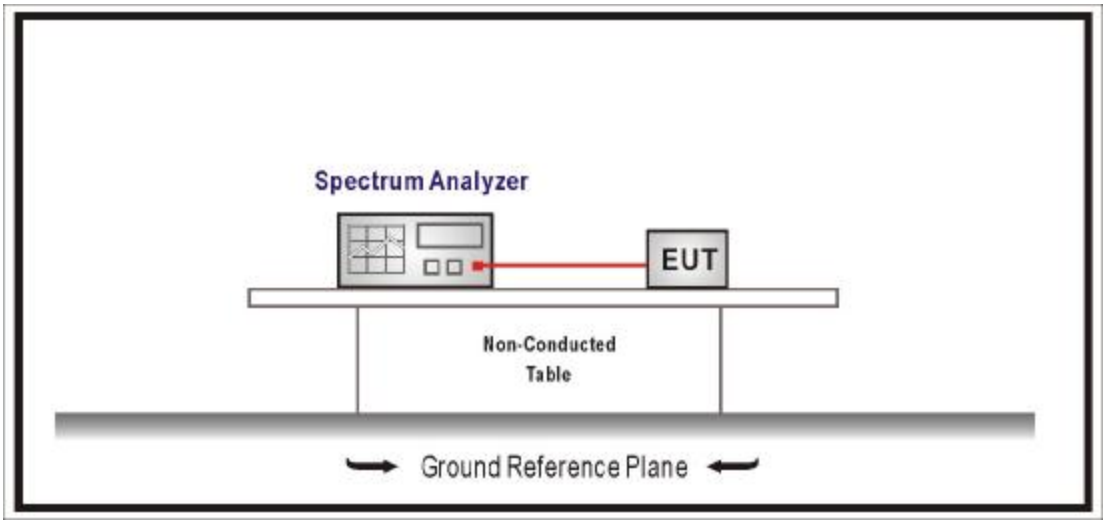
8.1. Test Equipment

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	Jan., 2008
2	No.1 OATS			Sep., 2007

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

8.2. Test Setup



8.3. 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.

8.4. Test Procedures

The EUT was setup according to ANSI C63.4, 2003; tested according to DTS test procedure of Oct 2002 KDB558074 for compliance to FCC 47CFR 15.247 requirements.
Set RBW= 3 kHz, Set VBW≧ 9 kHz, Sweep time=Auto, Set detector=Peak detector

8.5. Uncertainty

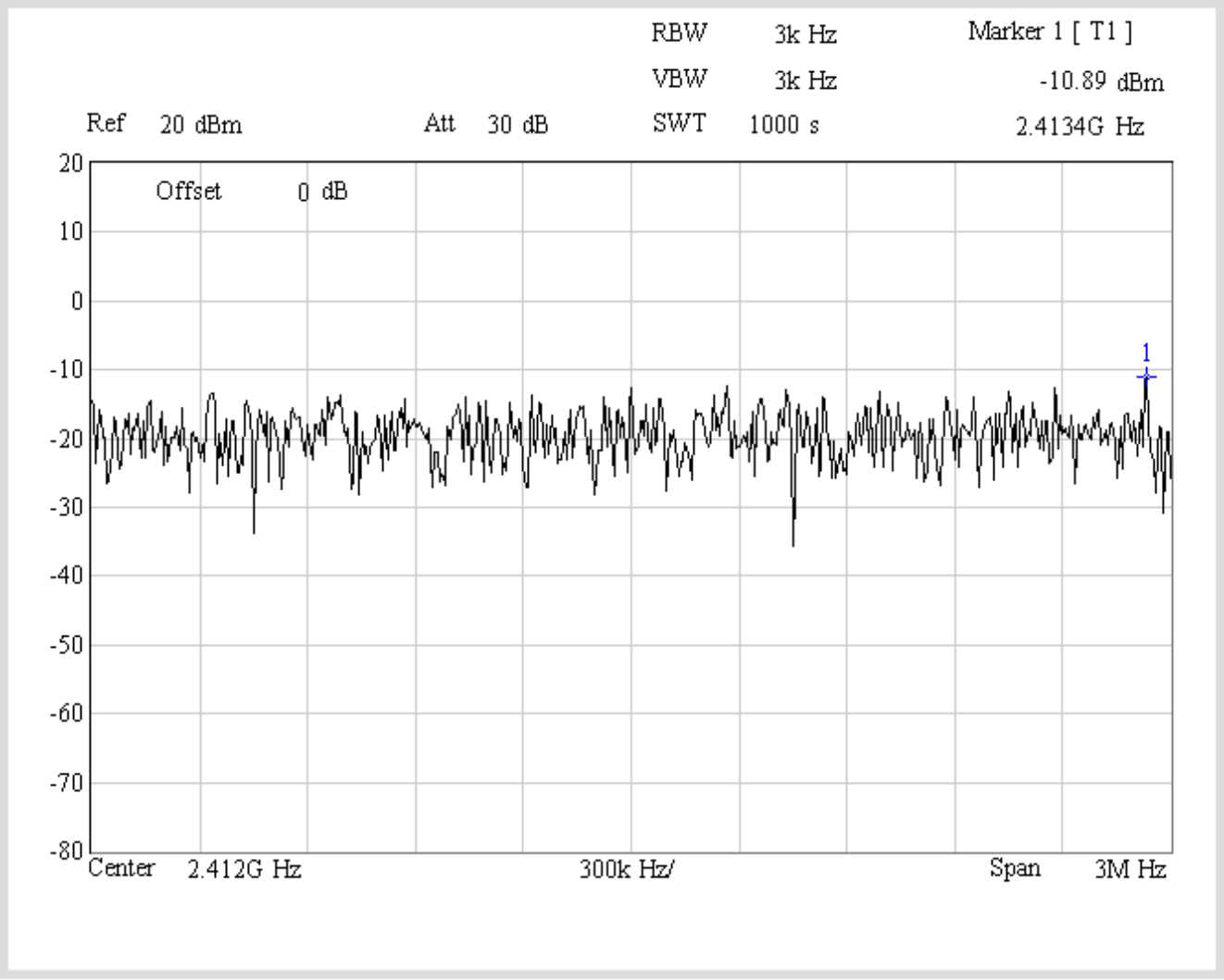
The measurement uncertainty is defined as ±1.27dB.

8.6. Test Result

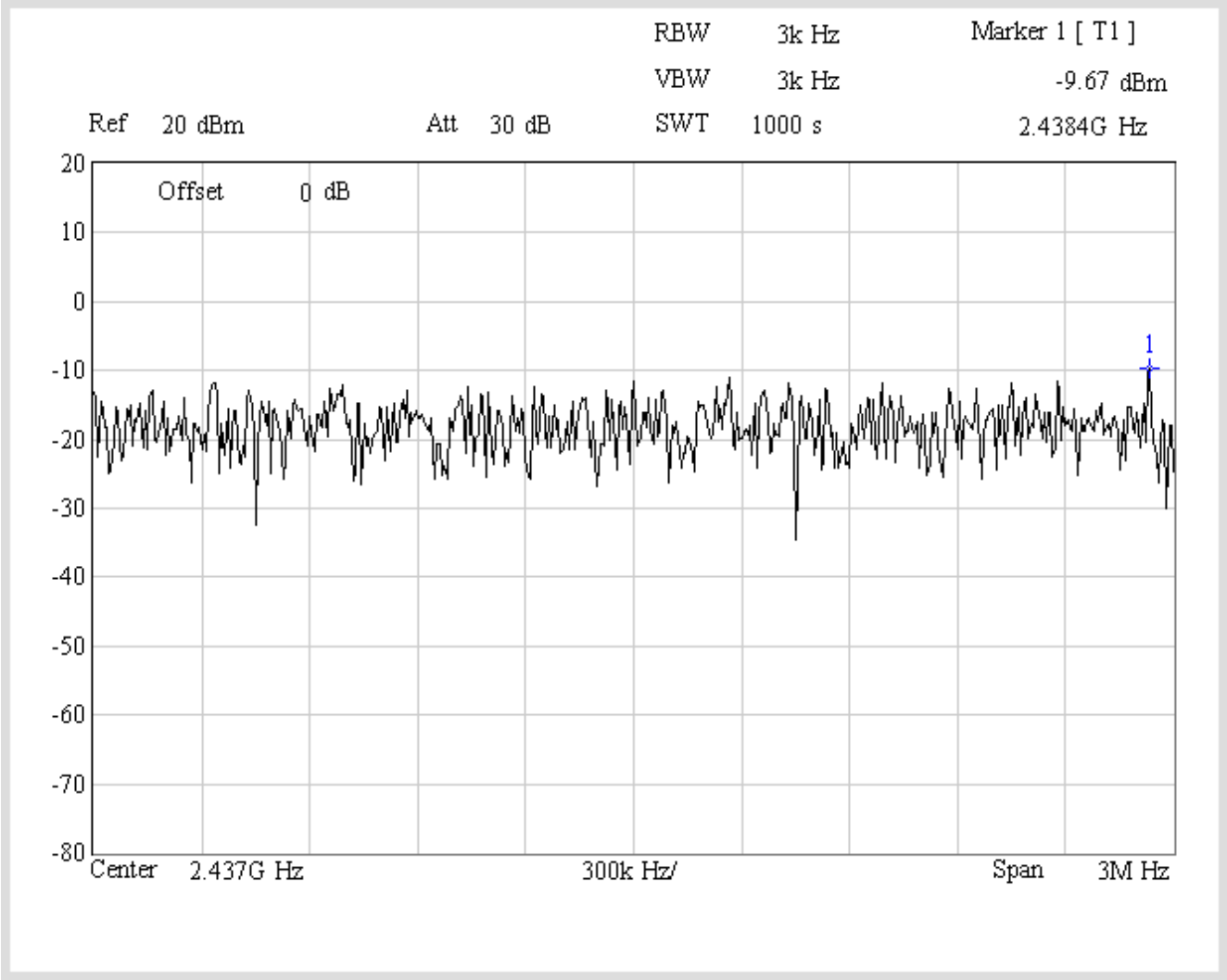
Product	WIRELESS G ADSL2+ MODEM ROUTER		
Test Item	Power Density		
Test Mode	Transmit		
Date of Test	2008/06/05	Test Site	No.1 OATS

IEEE 802.11b				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
1	2412.00	-10.89	<8	Pass
6	2437.00	-9.670	<8	Pass
11	2462.00	-10.53	<8	Pass

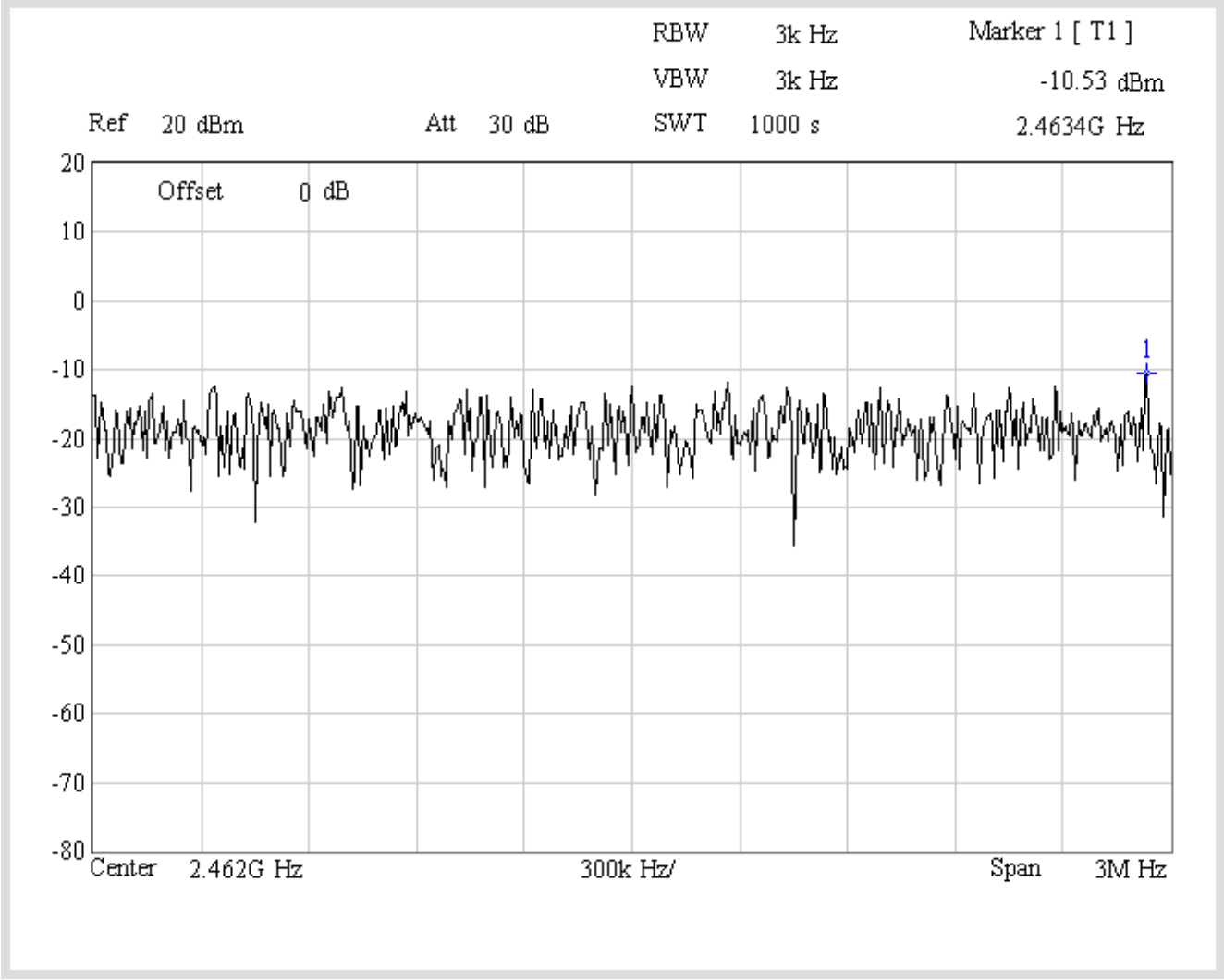
Channel 1



Channel 6


RBW 3k Hz
VBW 3k Hz
SWT 1000 s
Marker 1 [T1]
-9.67 dBm
2.4384G Hz
Ref 20 dBm
Att 30 dB
Offset 0 dB
20
10
0
-10
-20
-30
-40
-50
-60
-70
-80
1
Center 2.437G Hz
300k Hz/
Span 3M Hz

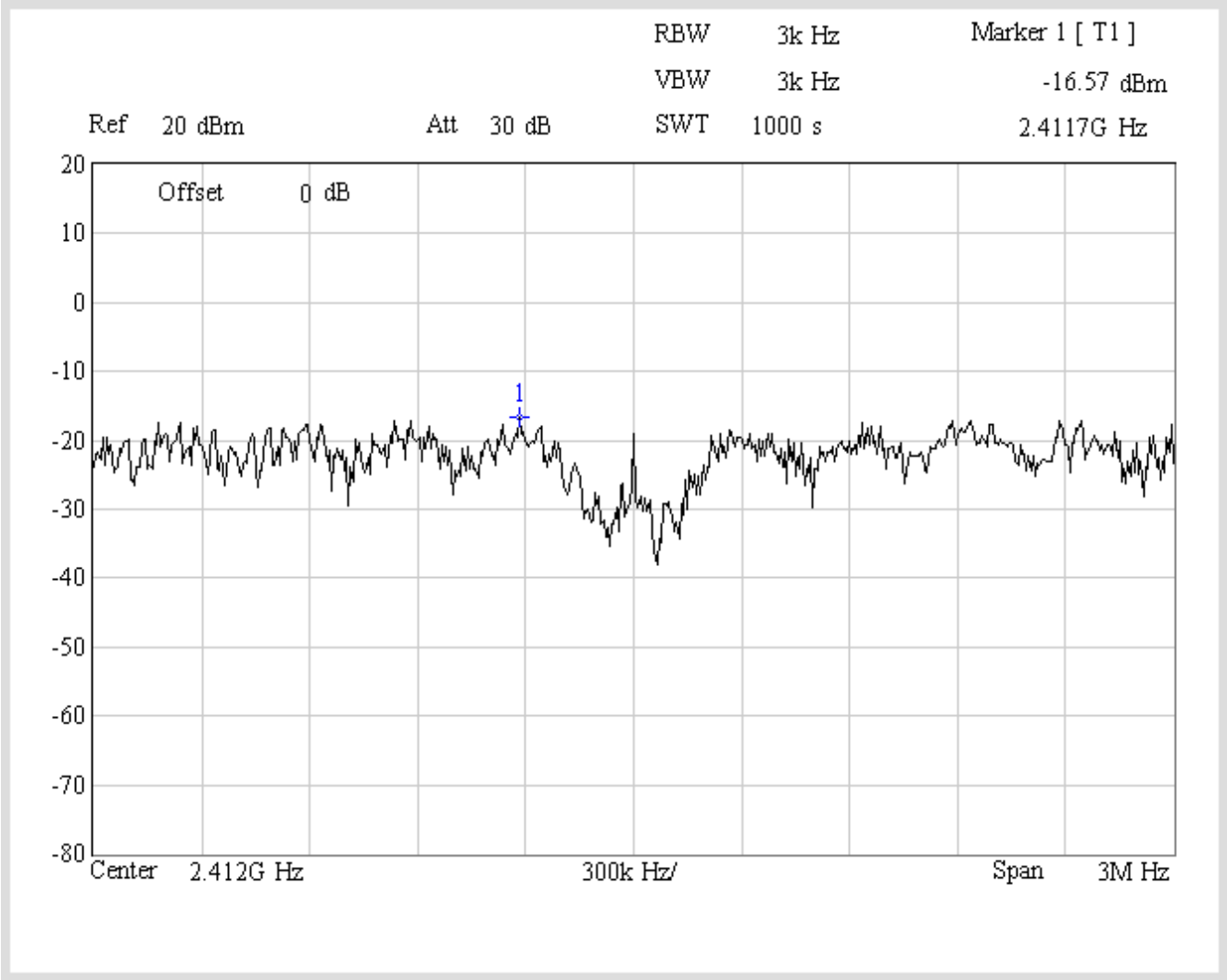
Channel 11


RBW 3k Hz
VBW 3k Hz
SWT 1000 s
Marker 1 [T1]
-10.53 dBm
2.4634G Hz
Ref 20 dBm
Att 30 dB
Offset 0 dB
20
10
0
-10
-20
-30
-40
-50
-60
-70
-80
1
Center 2.462G Hz
300k Hz/
Span 3M Hz

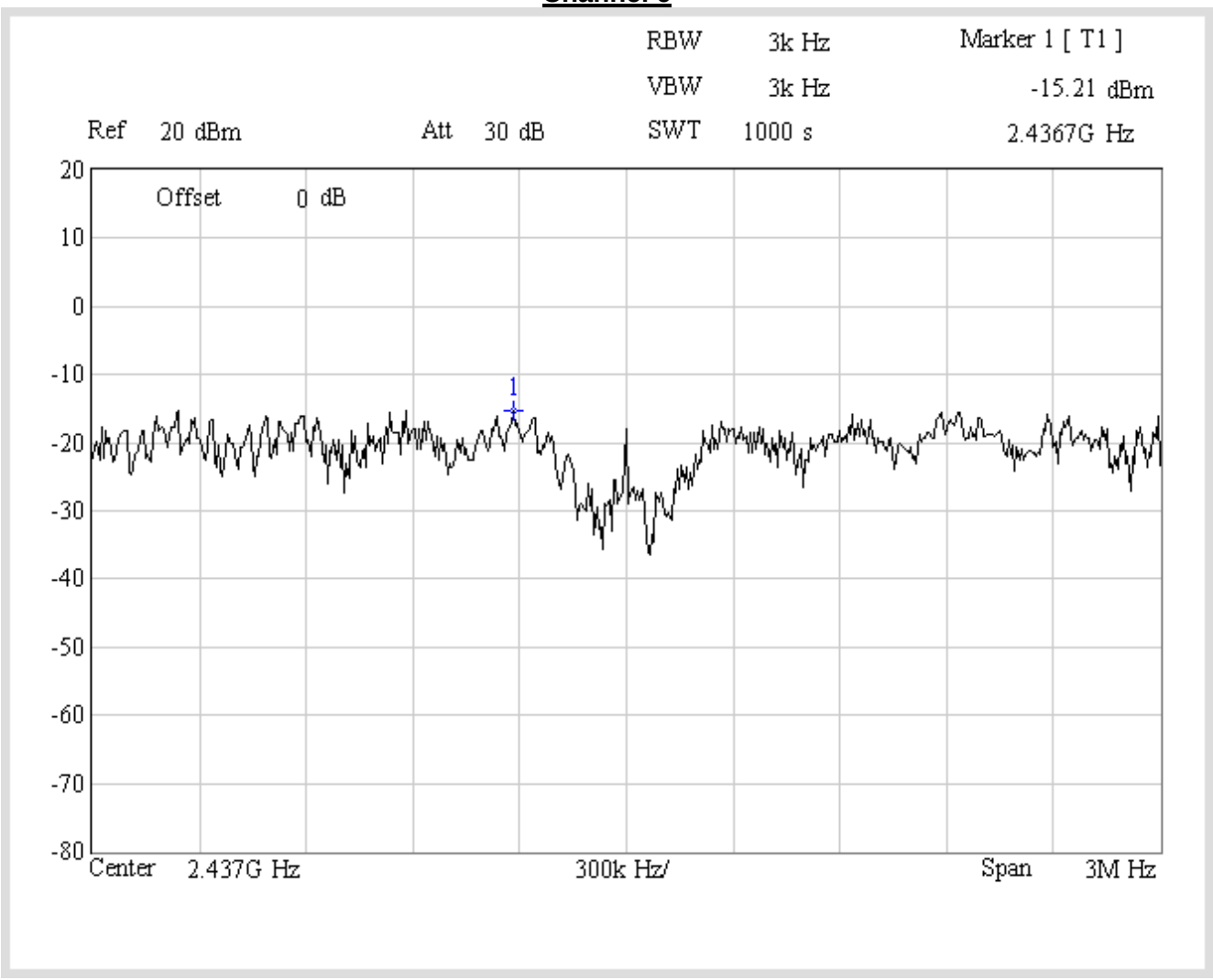
Product	WIRELESS G ADSL2+ MODEM ROUTER		
Test Item	Power Density		
Test Mode	Transmit		
Date of Test	2008/06/05	Test Site	No.1 OATS

IEEE 802.11g				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
1	2412.00	-16.57	<8	Pass
6	2437.00	-15.21	<8	Pass
11	2462.00	-15.82	<8	Pass

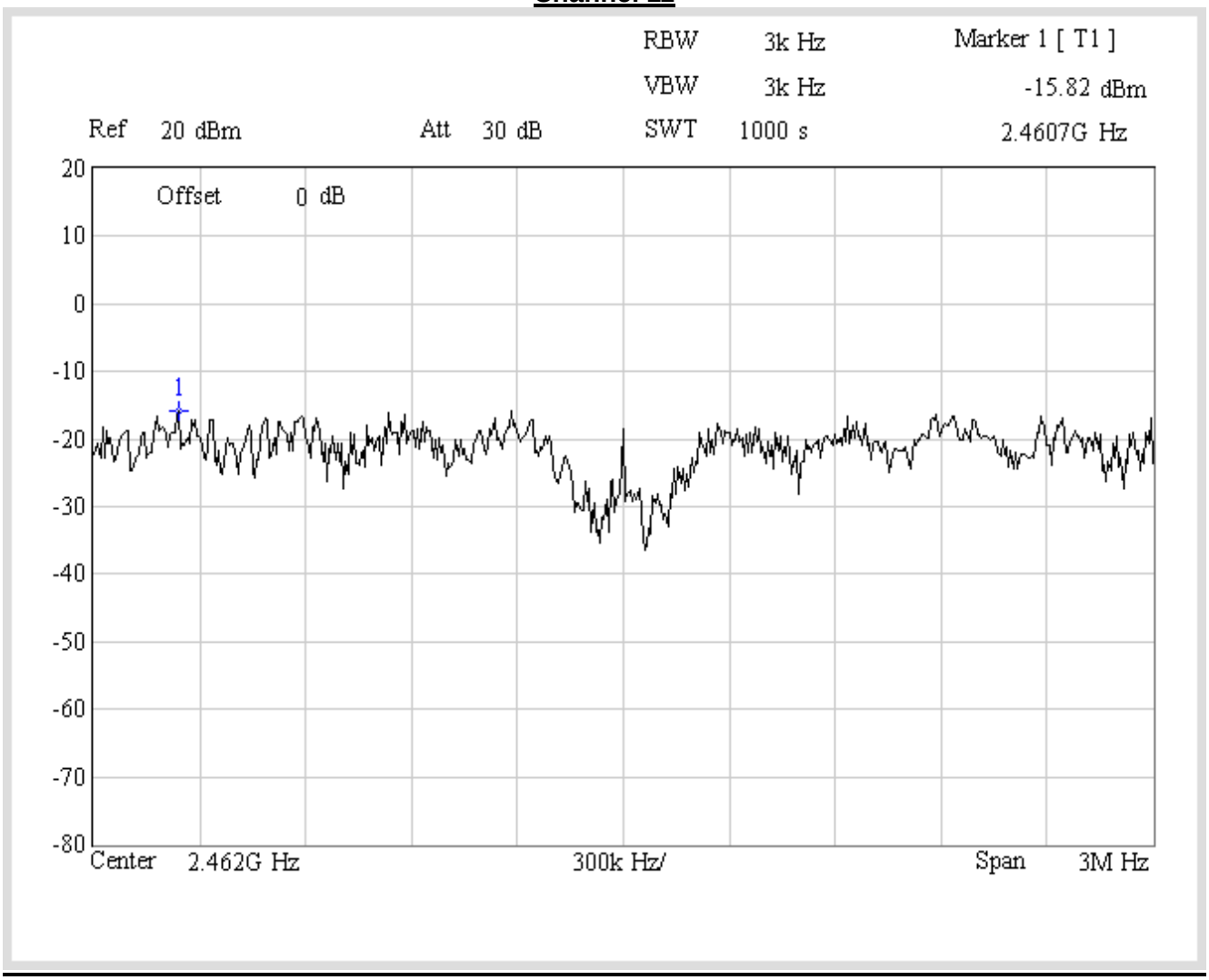
Channel 1



Channel 6


RBW 3k Hz
VBW 3k Hz
SWT 1000 s
Marker 1 [T1]
-15.21 dBm
2.4367G Hz
Ref 20 dBm
Att 30 dB
Offset 0 dB
20
10
0
-10
-20
-30
-40
-50
-60
-70
-80
1
Center 2.437G Hz
300k Hz/
Span 3M Hz

Channel 11


RBW 3k Hz
VBW 3k Hz
SWT 1000 s
Marker 1 [T1]
-15.82 dBm
2.4607G Hz
Ref 20 dBm
Att 30 dB
Offset 0 dB
20
10
0
-10
-20
-30
-40
-50
-60
-70
-80
1
Center 2.462G Hz
300k Hz/
Span 3M Hz