Test Report

Product Name	：	WIRELESS G ADSL2+ MODEM ROUTER
Model No.	：	DSL-2640R, DSL-2641R, DSL-2640U/RRU
FCC ID.	：	KA2SL2640RA1

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

Date of Receipt	：	2007/12/05
Issued Date	：	2008/07/24
Report No.	：	087135R-RFUSP05V01
Version	：	V1.0

Test Report Certification

Issued Date : 2008/07/24
Report No. : 087135R-RFUSP05V01

QuieTek

Product Name	:	WIRELESS G ADSL2+ MODEM ROUTER
Applicant	:	D-Link Corporation
Address	:	No.289, Sinhu 3rd Rd., Neihu Distrct, Taipei City 114, Taiwan, R.O.C.
Manufacturer	:	Alpha Networks Inc.
Model No.	:	DSL-2640R, DSL-2641R, DSL-2640U/RRU
FCC ID.	:	KA2SL2640RA1
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. Assistant)

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 WLAN transmitting function, and 2.4GHz WLAN receiving 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

   Annex A — ADSL over Phone

   Annex B — ADSL over ISDN

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 087135R-RFUSP01V02 under Declaration of Conformity.

1.3. Test Mode

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

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

Emission	
Conducted Emission	Yes
Peak Power Output	Yes
Radiated Emission	Yes
Band Edge	Yes
Occupied Bandwidth	Yes
Power Density	Yes

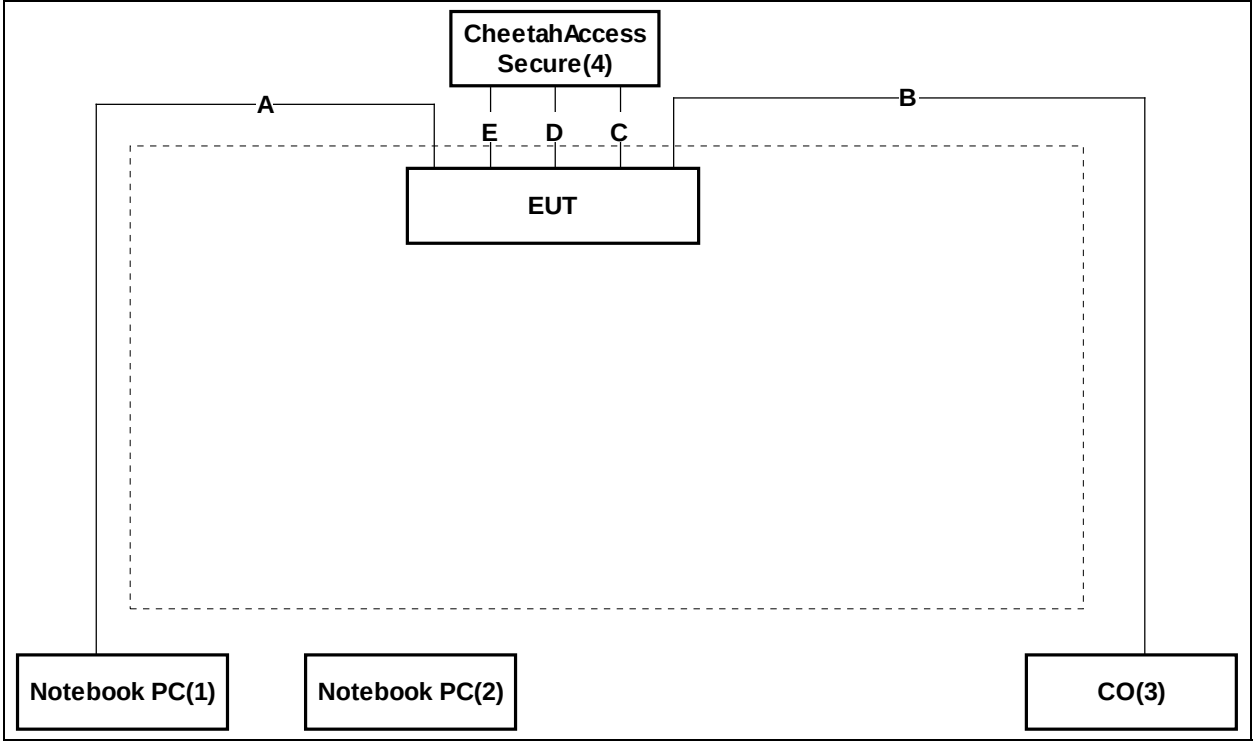
1.4. Tested System Details

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

1.5. Configuration of tested System

Connection Diagram



Signal Cable Type		Signal cable Description
A	LAN Cable	Non-Shielded, 10m
B	Telephone Cable	Non-Shielded, 10m
C	LAN Cable	Non-Shielded, 3.0m
D	LAN Cable	Non-Shielded, 3.0m
E	LAN Cable	Non-Shielded, 3.0m

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 Notebook PC from Hard Disk.
4	Data will be communicated between computer and EUT.
5	All the peripheral will be retrieved during the test.
6	Repeat the above procedure (4) to (5).

1.7. Test Facility

Ambient conditions in the laboratory:

Items	Test Item	Required (IEC 68-1)	Actual
Temperature (°C)	FCC PART 15 C 15.207 Conducted Emission	15 - 35	20
Humidity (%RH)		25 - 75	50
Barometric pressure (mbar)		860 - 1060	950-1000
Temperature (°C)	FCC PART 15 C 15.247 Peak Power Output (DSSS)	15 - 35	26
Humidity (%RH)		25 - 75	51
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	51
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	51
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

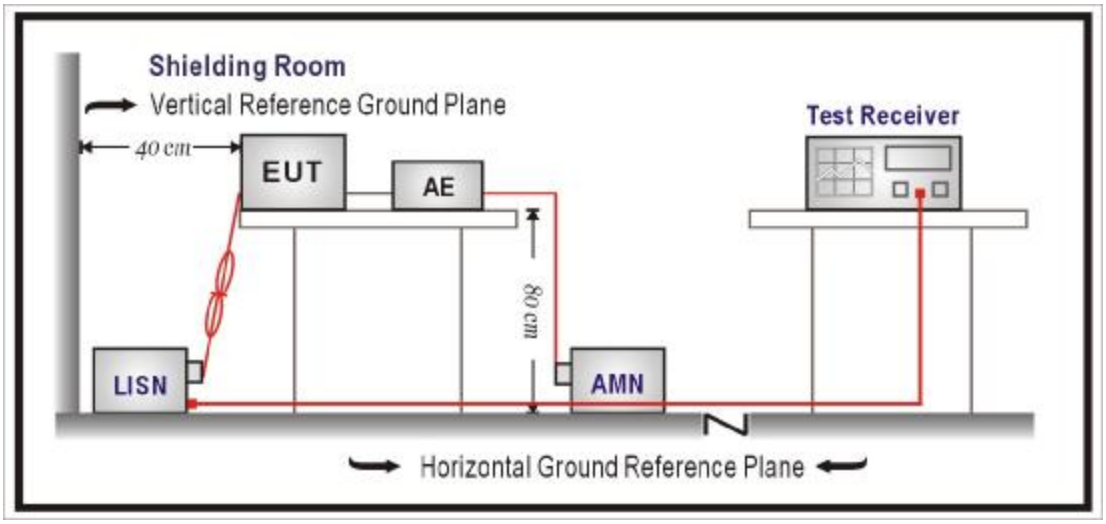
The following test equipments are used during the test:

Conducted Emission / SR3

Instrument	Manufacturer	Type No.	Serial No	Cal. Date
4-Wire ISN	R & S	ENY 41	837032/001	2008/04/15
Double 2-Wire ISN	R & S	ENY 22	835354/008	2008/04/15
LISN	R&S	ESH3-Z5	836679/022	2008/06/17
LISN	R & S	ESH3-Z5	836679/013	2007/12/30
Pulse Limiter	R & S	ESH3-Z2	100411	2007/11/16
Test Receiver	R & S	ESCS 30	100149	2007/11/15

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

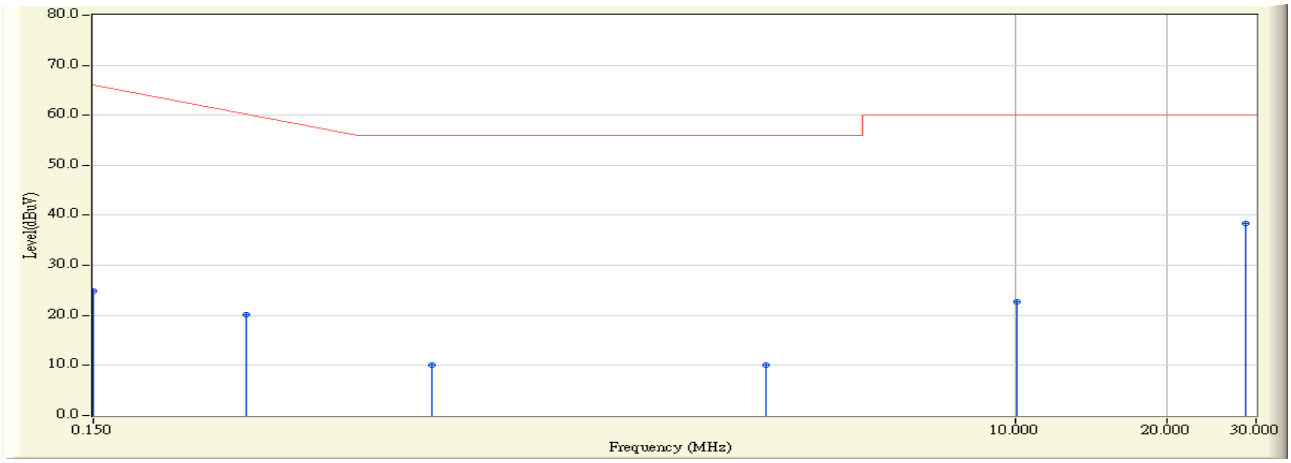
The EUT was setup according to ANSI C63.4, 2003 and tested according to DTS test procedure of Oct 2002 KDB558074 for compliance to FCC 47CFR 15.247 requirements. The EUT was placed on a platform of nominal size, 1 m by 1.5 m, raised 80 cm above the conducting ground plane. The vertical conducting plane 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 : ShieldingRoom3	Time : 2008/07/11 - 15:55
Limit : CISPR_B_00M_QP	Margin : 0
Probe : SR3_LISN(16A) - Line1	Power : AC 120V/60Hz
EUT : WIRELESS G ADSL2+ MODEM ROUTER	Note : Mode 1: Transmit- Adapter (AMIGO)-B

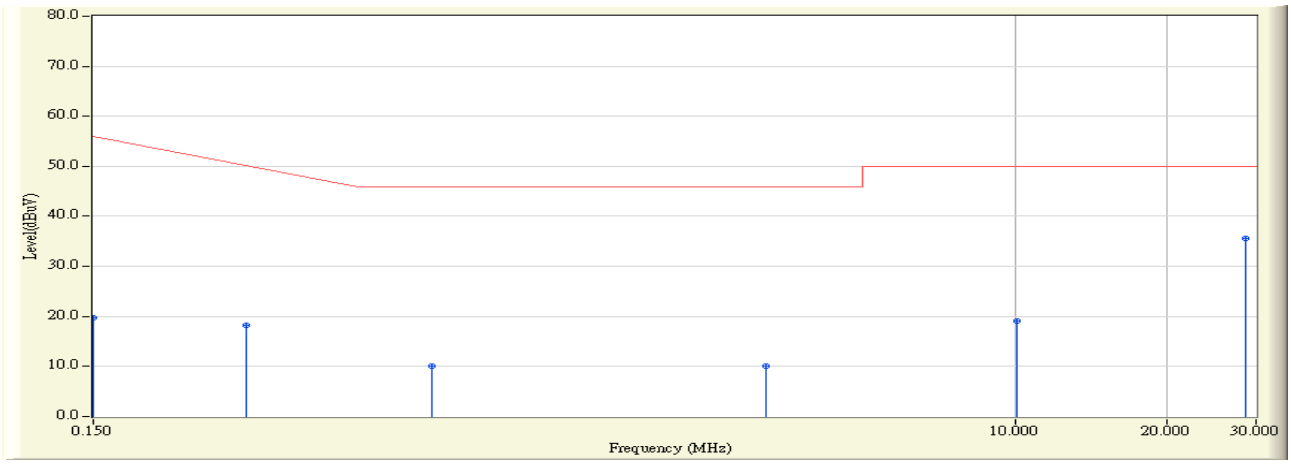


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1		0.150	-0.033	24.947	24.913	-41.087	66.000	QUASIPEAK
2		0.302	-0.010	20.237	20.227	-41.430	61.657	QUASIPEAK
3		0.702	0.040	10.000	10.040	-45.960	56.000	QUASIPEAK
4		3.210	0.170	10.000	10.170	-45.830	56.000	QUASIPEAK
5		10.062	0.490	22.140	22.630	-37.370	60.000	QUASIPEAK
6	*	28.686	1.010	37.328	38.338	-21.662	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 : ShieldingRoom3	Time : 2008/07/11 - 15:55
Limit : CISPR_B_00M_AV	Margin : 0
Probe : SR3_LISN(16A) - Line1	Power : AC 120V/60Hz
EUT : WIRELESS G ADSL2+ MODEM ROUTER	Note : Mode 1: Transmit- Adapter (AMIGO)-B

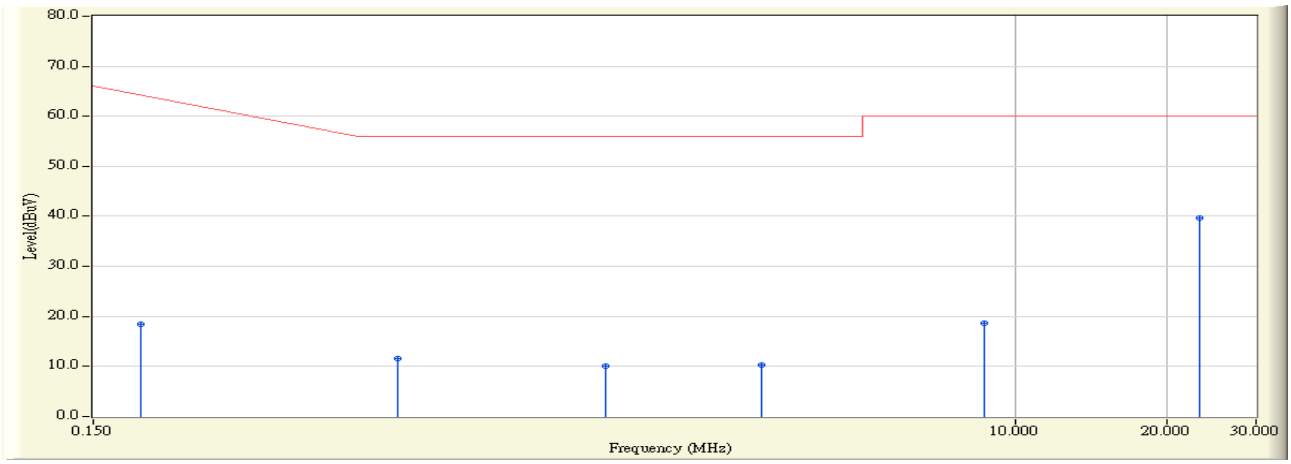


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1		0.150	-0.033	19.823	19.789	-36.211	56.000	AVERAGE
2		0.302	-0.010	18.162	18.152	-33.505	51.657	AVERAGE
3		0.702	0.040	9.990	10.030	-35.970	46.000	AVERAGE
4		3.210	0.170	9.990	10.160	-35.840	46.000	AVERAGE
5		10.062	0.490	18.660	19.150	-30.850	50.000	AVERAGE
6	*	28.686	1.010	34.649	35.659	-14.341	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 : ShieldingRoom3	Time : 2008/07/11 - 15:58
Limit : CISPR_B_00M_QP	Margin : 0
Probe : SR3_LISN(16A) - Line2	Power : AC 120V/60Hz
EUT : WIRELESS G ADSL2+ MODEM ROUTER	Note : Mode 1: Transmit- Adapter (AMIGO)-B

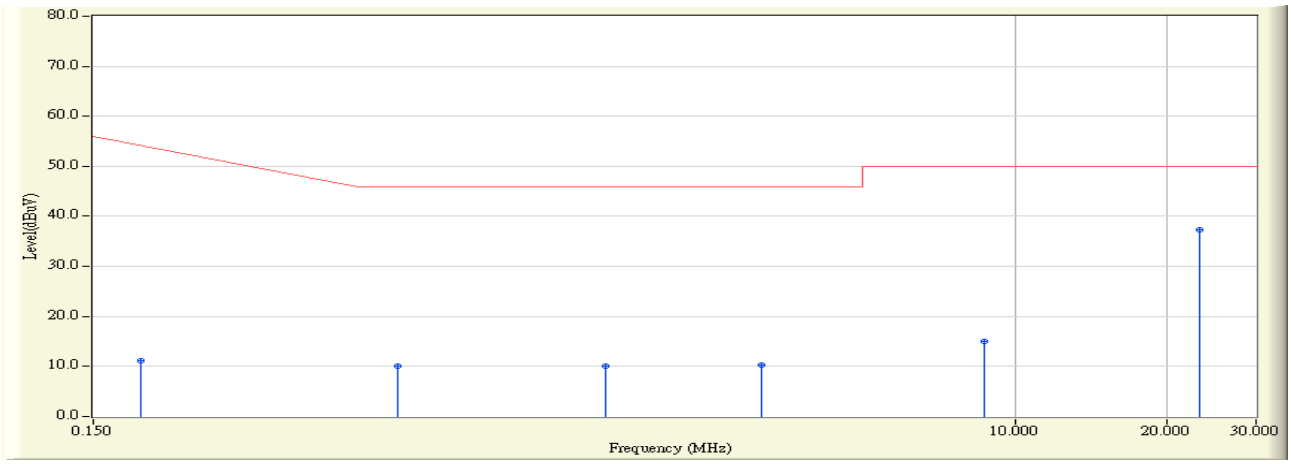


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1		0.186	-0.030	18.506	18.476	-46.495	64.971	QUASIPEAK
2		0.602	0.048	11.518	11.566	-44.434	56.000	QUASIPEAK
3		1.546	0.120	10.000	10.120	-45.880	56.000	QUASIPEAK
4		3.142	0.210	10.000	10.210	-45.790	56.000	QUASIPEAK
5		8.718	0.470	18.100	18.570	-41.430	60.000	QUASIPEAK
6	*	23.130	1.050	38.701	39.751	-20.249	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 : ShieldingRoom3	Time : 2008/07/11 - 15:58
Limit : CISPR_B_00M_AV	Margin : 0
Probe : SR3_LISN(16A) - Line2	Power : AC 120V/60Hz
EUT : WIRELESS G ADSL2+ MODEM ROUTER	Note : Mode 1: Transmit- Adapter (AMIGO)-B

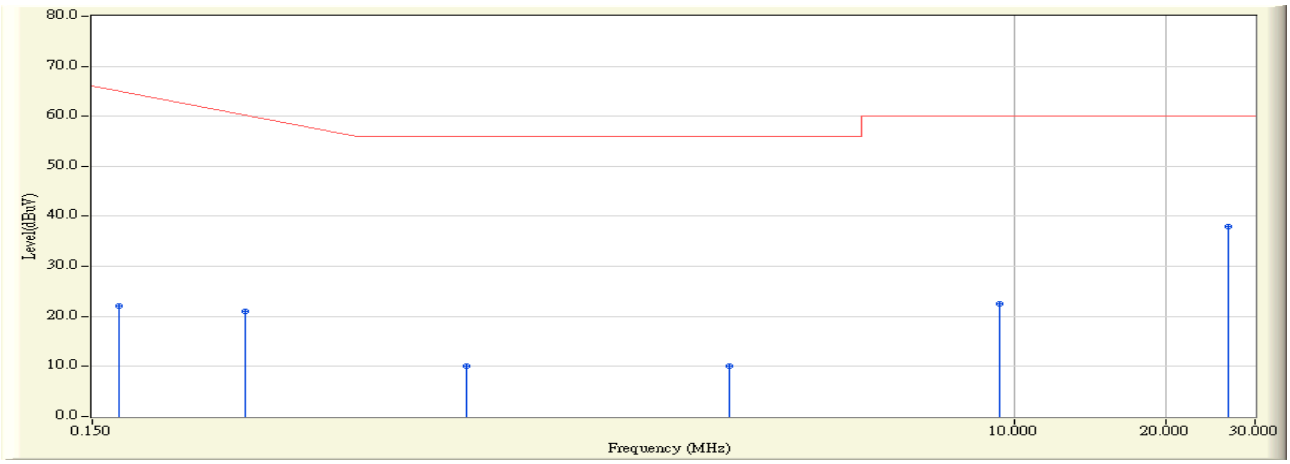


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1		0.186	-0.030	11.099	11.069	-43.902	54.971	AVERAGE
2		0.602	0.048	10.000	10.048	-35.952	46.000	AVERAGE
3		1.546	0.120	9.990	10.110	-35.890	46.000	AVERAGE
4		3.142	0.210	9.990	10.200	-35.800	46.000	AVERAGE
5		8.718	0.470	14.486	14.956	-35.044	50.000	AVERAGE
6	*	23.130	1.050	36.279	37.329	-12.671	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 : ShieldingRoom3	Time : 2008/07/11 - 16:03
Limit : CISPR_B_00M_QP	Margin : 0
Probe : SR3_LISN(16A) - Line1	Power : AC 120V/60Hz
EUT : WIRELESS G ADSL2+ MODEM ROUTER	Note : Mode 1: Transmit- Adapter (AMIGO)-G

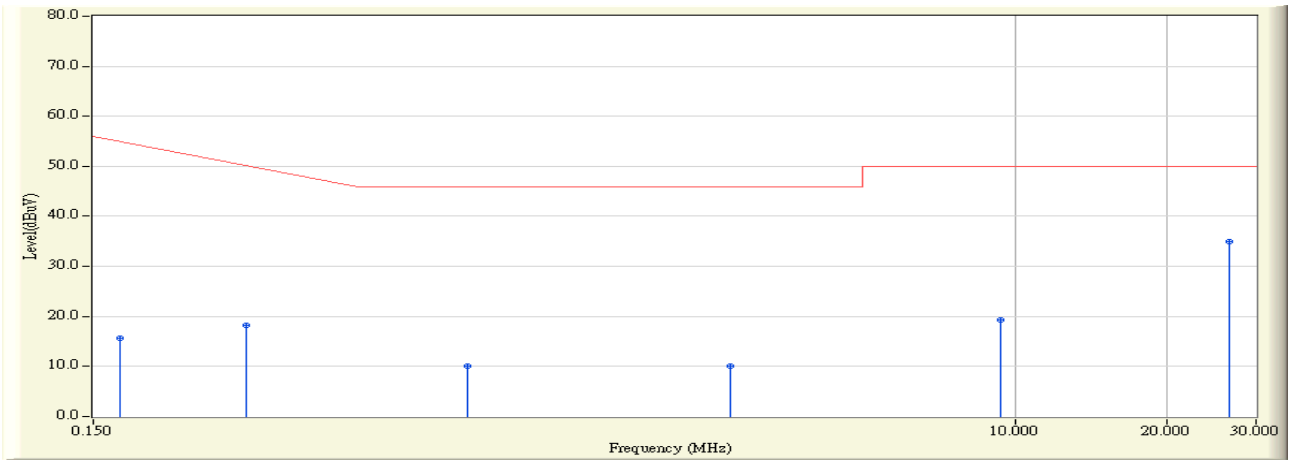


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1		0.170	-0.030	22.093	22.063	-43.366	65.429	QUASIPEAK
2		0.302	-0.010	21.019	21.009	-40.648	61.657	QUASIPEAK
3		0.826	0.050	10.106	10.156	-45.844	56.000	QUASIPEAK
4		2.742	0.154	10.000	10.154	-45.846	56.000	QUASIPEAK
5		9.390	0.460	22.012	22.472	-37.528	60.000	QUASIPEAK
6	*	26.610	0.990	36.977	37.967	-22.033	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 : ShieldingRoom3	Time : 2008/07/11 - 16:03
Limit : CISPR_B_00M_AV	Margin : 0
Probe : SR3_LISN(16A) - Line1	Power : AC 120V/60Hz
EUT : WIRELESS G ADSL2+ MODEM ROUTER	Note : Mode 1: Transmit- Adapter (AMIGO)-G

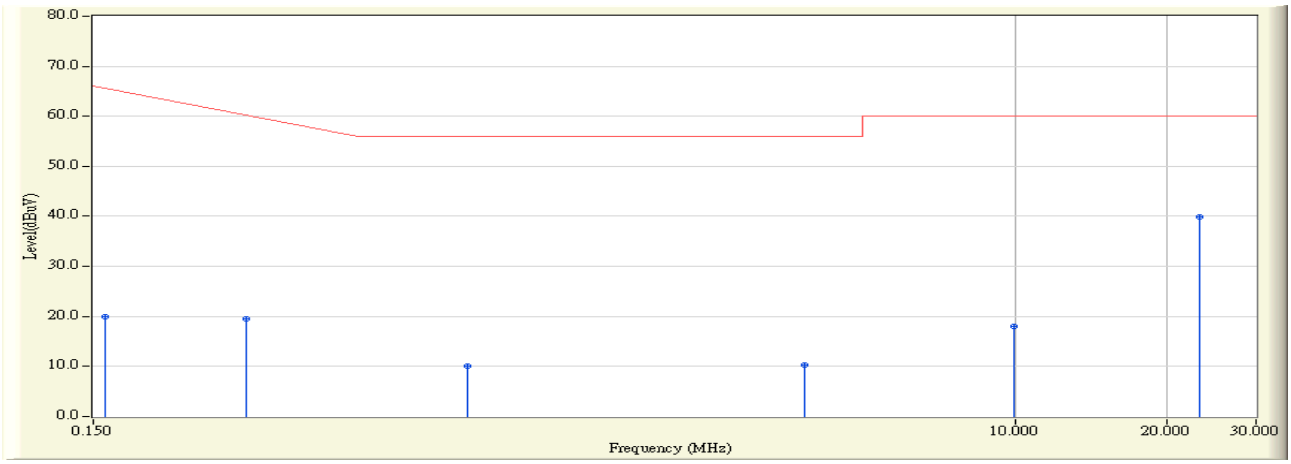


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1		0.170	-0.030	15.689	15.659	-39.770	55.429	AVERAGE
2		0.302	-0.010	18.334	18.324	-33.333	51.657	AVERAGE
3		0.826	0.050	10.000	10.050	-35.950	46.000	AVERAGE
4		2.742	0.154	9.990	10.144	-35.856	46.000	AVERAGE
5		9.390	0.460	18.835	19.295	-30.705	50.000	AVERAGE
6	*	26.610	0.990	33.926	34.916	-15.084	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 : ShieldingRoom3	Time : 2008/07/11 - 16:06
Limit : CISPR_B_00M_QP	Margin : 0
Probe : SR3_LISN(16A) - Line2	Power : AC 120V/60Hz
EUT : WIRELESS G ADSL2+ MODEM ROUTER	Note : Mode 1: Transmit- Adapter (AMIGO)-G

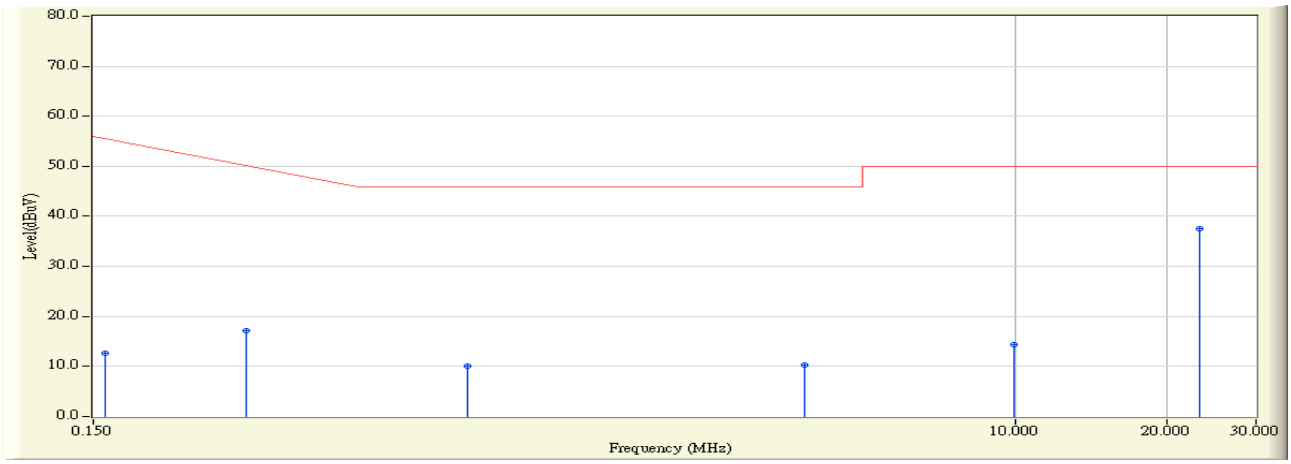


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1		0.158	-0.031	20.076	20.045	-45.726	65.771	QUASIPEAK
2		0.302	-0.003	19.575	19.573	-42.084	61.657	QUASIPEAK
3		0.826	0.070	10.000	10.070	-45.930	56.000	QUASIPEAK
4		3.830	0.250	10.000	10.250	-45.750	56.000	QUASIPEAK
5		9.938	0.530	17.591	18.121	-41.879	60.000	QUASIPEAK
6	*	23.130	1.050	38.773	39.823	-20.177	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 : ShieldingRoom3	Time : 2008/07/11 - 16:06
Limit : CISPR_B_00M_AV	Margin : 0
Probe : SR3_LISN(16A) - Line2	Power : AC 120V/60Hz
EUT : WIRELESS G ADSL2+ MODEM ROUTER	Note : Mode 1: Transmit- Adapter (AMIGO)-G

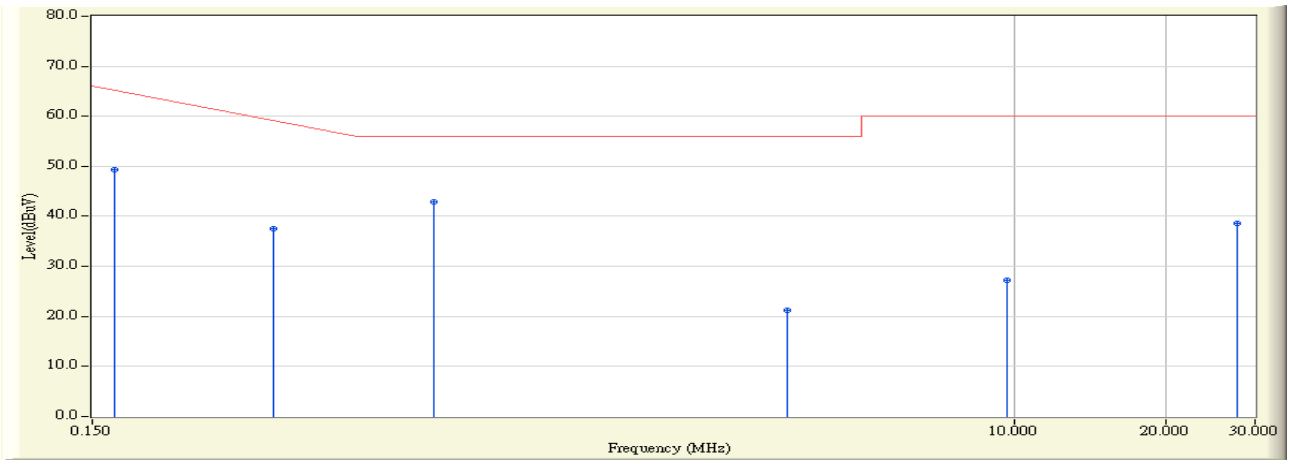


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1		0.158	-0.031	12.596	12.566	-43.205	55.771	AVERAGE
2		0.302	-0.003	17.236	17.233	-34.424	51.657	AVERAGE
3		0.826	0.070	9.990	10.060	-35.940	46.000	AVERAGE
4		3.830	0.250	9.990	10.240	-35.760	46.000	AVERAGE
5		9.938	0.530	13.886	14.416	-35.584	50.000	AVERAGE
6	*	23.130	1.050	36.470	37.520	-12.480	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 : ShieldingRoom3	Time : 2008/07/15 - 09:40
Limit : CISPR_B_00M_QP	Margin : 0
Probe : SR3_LISN(16A) - Line1	Power : AC 120V/60Hz
EUT : WIRELESS G ADSL2+ MODEM ROUTER	Note : Mode 2: Transmit- Adapter (D-Link)-B

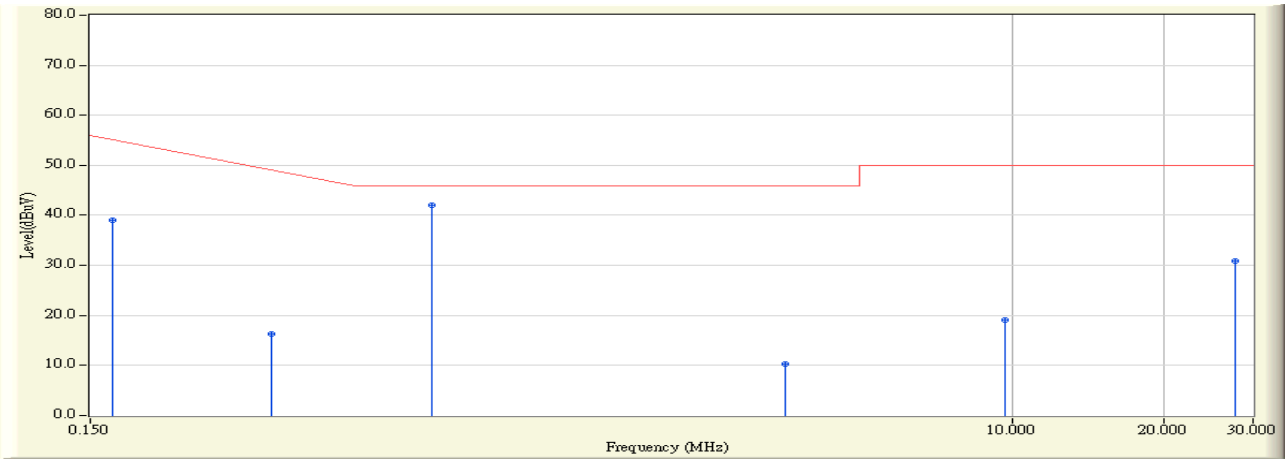


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1		0.166	-0.030	49.358	49.328	-16.215	65.543	QUASIPEAK
2		0.342	0.001	37.442	37.443	-23.071	60.514	QUASIPEAK
3	*	0.710	0.040	42.962	43.002	-12.998	56.000	QUASIPEAK
4		3.570	0.190	21.005	21.195	-34.805	56.000	QUASIPEAK
5		9.714	0.470	26.831	27.301	-32.699	60.000	QUASIPEAK
6		27.618	1.000	37.582	38.582	-21.418	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 : ShieldingRoom3	Time : 2008/07/15 - 09:40
Limit : CISPR_B_00M_AV	Margin : 0
Probe : SR3_LISN(16A) - Line1	Power : AC 120V/60Hz
EUT : WIRELESS G ADSL2+ MODEM ROUTER	Note : Mode 2: Transmit- Adapter (D-Link)-B

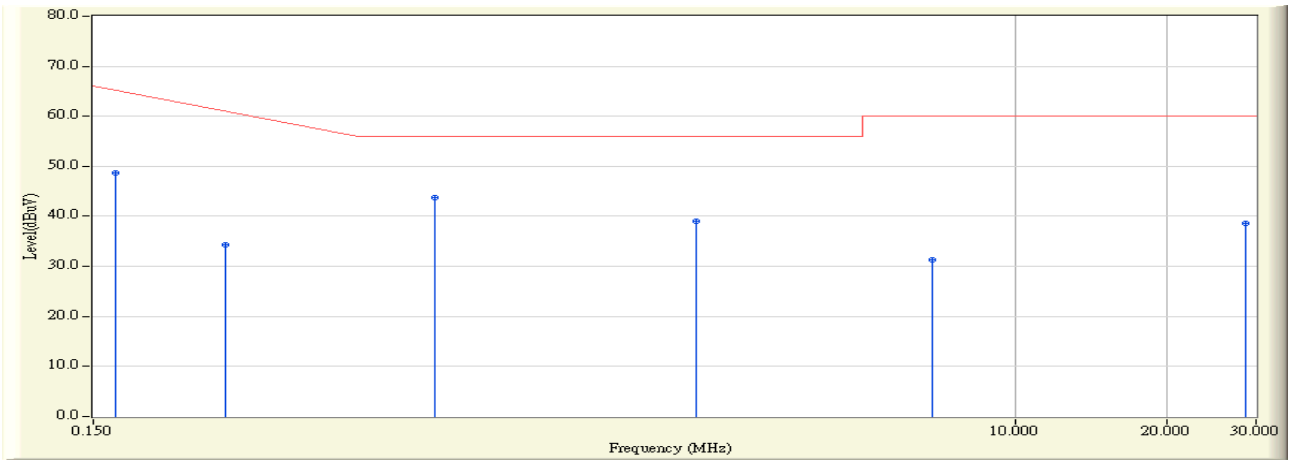


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1		0.166	-0.030	39.140	39.110	-16.433	55.543	AVERAGE
2		0.342	0.001	16.326	16.327	-34.187	50.514	AVERAGE
3	*	0.710	0.040	42.103	42.143	-3.857	46.000	AVERAGE
4		3.570	0.190	10.000	10.190	-35.810	46.000	AVERAGE
5		9.714	0.470	18.539	19.009	-30.991	50.000	AVERAGE
6		27.618	1.000	29.821	30.821	-19.179	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 : ShieldingRoom3	Time : 2008/07/15 - 09:42
Limit : CISPR_B_00M_QP	Margin : 0
Probe : SR3_LISN(16A) - Line2	Power : AC 120V/60Hz
EUT : WIRELESS G ADSL2+ MODEM ROUTER	Note : Mode 2: Transmit- Adapter (D-Link)-B

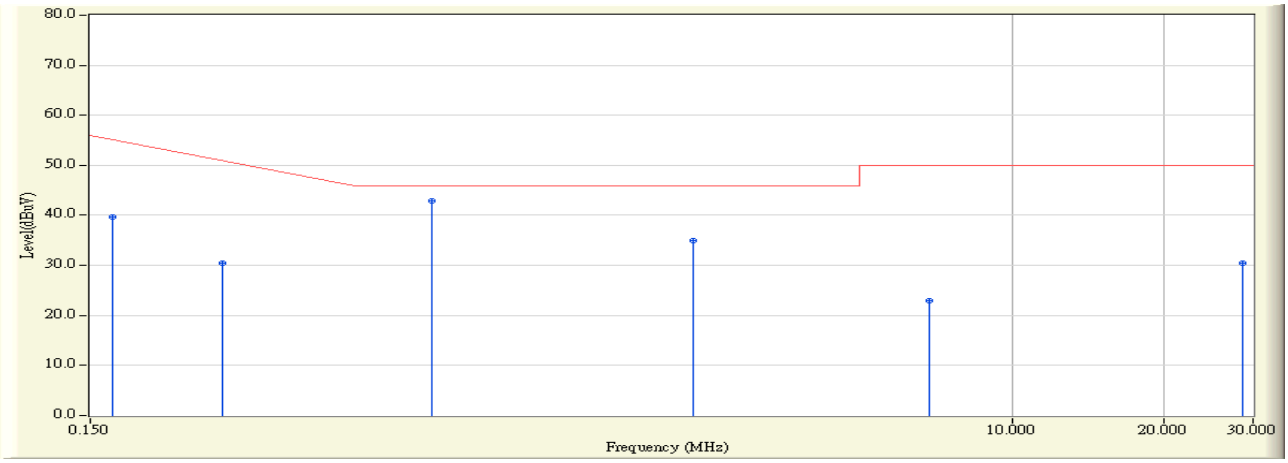


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1		0.166	-0.030	48.752	48.722	-16.821	65.543	QUASIPEAK
2		0.274	-0.012	34.423	34.411	-28.046	62.457	QUASIPEAK
3	*	0.710	0.053	43.626	43.679	-12.321	56.000	QUASIPEAK
4		2.346	0.180	38.885	39.065	-16.935	56.000	QUASIPEAK
5		6.870	0.390	30.945	31.335	-28.665	60.000	QUASIPEAK
6		28.630	1.080	37.504	38.584	-21.416	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 : ShieldingRoom3	Time : 2008/07/15 - 09:42
Limit : CISPR_B_00M_AV	Margin : 0
Probe : SR3_LISN(16A) - Line2	Power : AC 120V/60Hz
EUT : WIRELESS G ADSL2+ MODEM ROUTER	Note : Mode 2: Transmit- Adapter (D-Link)-B

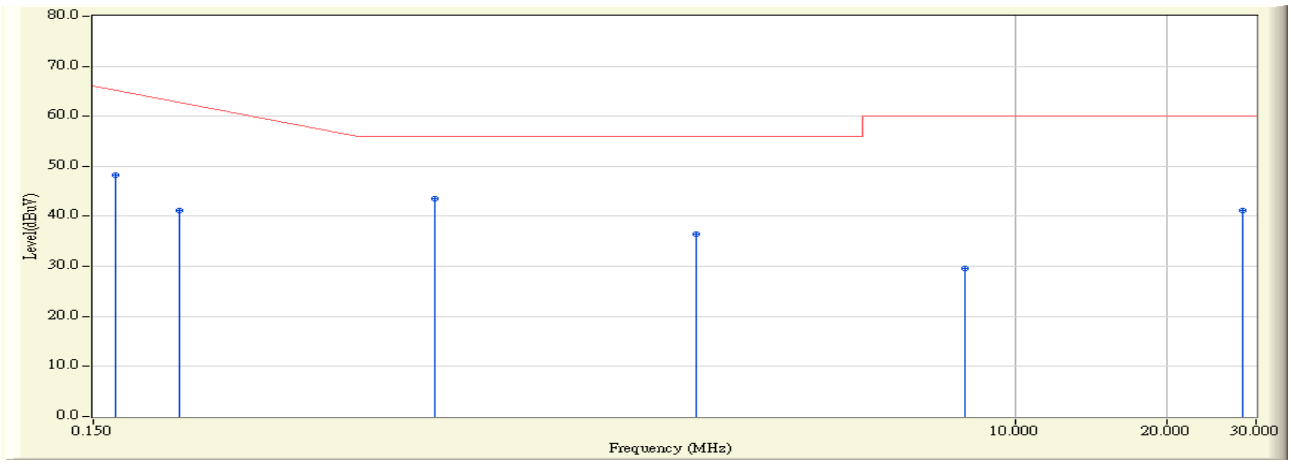


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1		0.166	-0.030	39.692	39.662	-15.881	55.543	AVERAGE
2		0.274	-0.012	30.538	30.527	-21.930	52.457	AVERAGE
3	*	0.710	0.053	42.868	42.922	-3.078	46.000	AVERAGE
4		2.346	0.180	34.822	35.002	-10.998	46.000	AVERAGE
5		6.870	0.390	22.498	22.888	-27.112	50.000	AVERAGE
6		28.630	1.080	29.396	30.476	-19.524	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 : ShieldingRoom3	Time : 2008/07/15 - 09:45
Limit : CISPR_B_00M_QP	Margin : 0
Probe : SR3_LISN(16A) - Line1	Power : AC 120V/60Hz
EUT : WIRELESS G ADSL2+ MODEM ROUTER	Note : Mode 2: Transmit- Adapter (D-Link)-G

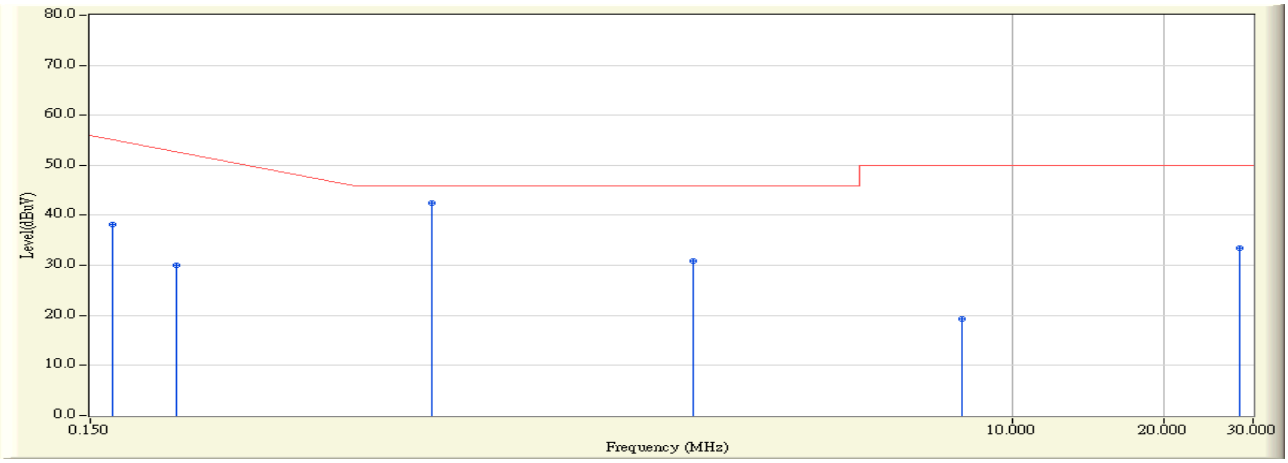


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1		0.166	-0.030	48.236	48.206	-17.337	65.543	QUASIPEAK
2		0.222	-0.020	41.261	41.241	-22.702	63.943	QUASIPEAK
3	*	0.710	0.040	43.475	43.515	-12.485	56.000	QUASIPEAK
4		2.346	0.140	36.395	36.535	-19.465	56.000	QUASIPEAK
5		7.962	0.400	29.159	29.559	-30.441	60.000	QUASIPEAK
6		28.302	1.000	40.194	41.194	-18.806	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 : ShieldingRoom3	Time : 2008/07/15 - 09:45
Limit : CISPR_B_00M_AV	Margin : 0
Probe : SR3_LISN(16A) - Line1	Power : AC 120V/60Hz
EUT : WIRELESS G ADSL2+ MODEM ROUTER	Note : Mode 2: Transmit- Adapter (D-Link)-G

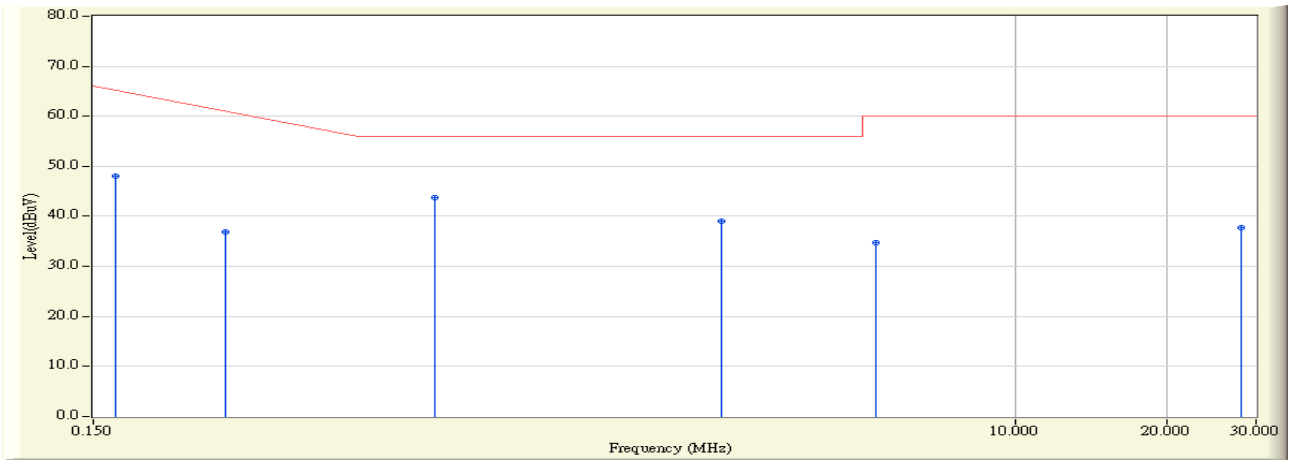


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1		0.166	-0.030	38.295	38.265	-17.278	55.543	AVERAGE
2		0.222	-0.020	29.954	29.934	-24.009	53.943	AVERAGE
3	*	0.710	0.040	42.489	42.529	-3.471	46.000	AVERAGE
4		2.346	0.140	30.707	30.847	-15.153	46.000	AVERAGE
5		7.962	0.400	18.999	19.399	-30.601	50.000	AVERAGE
6		28.302	1.000	32.358	33.358	-16.642	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 : ShieldingRoom3	Time : 2008/07/15 - 09:47
Limit : CISPR_B_00M_QP	Margin : 0
Probe : SR3_LISN(16A) - Line2	Power : AC 120V/60Hz
EUT : WIRELESS G ADSL2+ MODEM ROUTER	Note : Mode 2: Transmit- Adapter (D-Link)-G

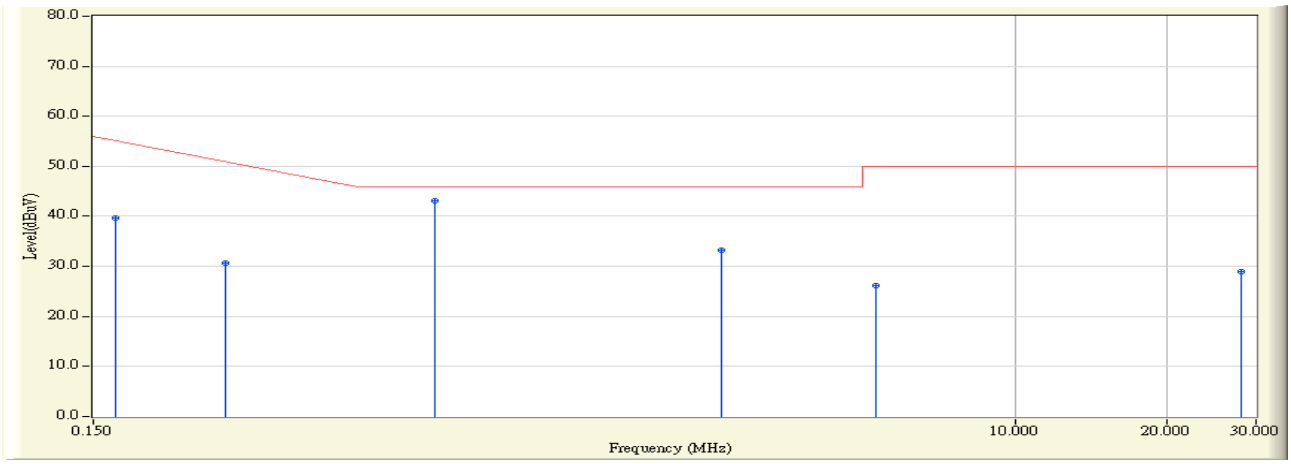


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1		0.166	-0.030	47.975	47.945	-17.598	65.543	QUASIPEAK
2		0.274	-0.012	36.985	36.973	-25.484	62.457	QUASIPEAK
3	*	0.710	0.053	43.802	43.856	-12.144	56.000	QUASIPEAK
4		2.618	0.190	38.777	38.966	-17.034	56.000	QUASIPEAK
5		5.290	0.311	34.411	34.721	-25.279	60.000	QUASIPEAK
6		27.974	1.080	36.571	37.651	-22.349	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 : ShieldingRoom3	Time : 2008/07/15 - 09:47
Limit : CISPR_B_00M_AV	Margin : 0
Probe : SR3_LISN(16A) - Line2	Power : AC 120V/60Hz
EUT : WIRELESS G ADSL2+ MODEM ROUTER	Note : Mode 2: Transmit- Adapter (D-Link)-G

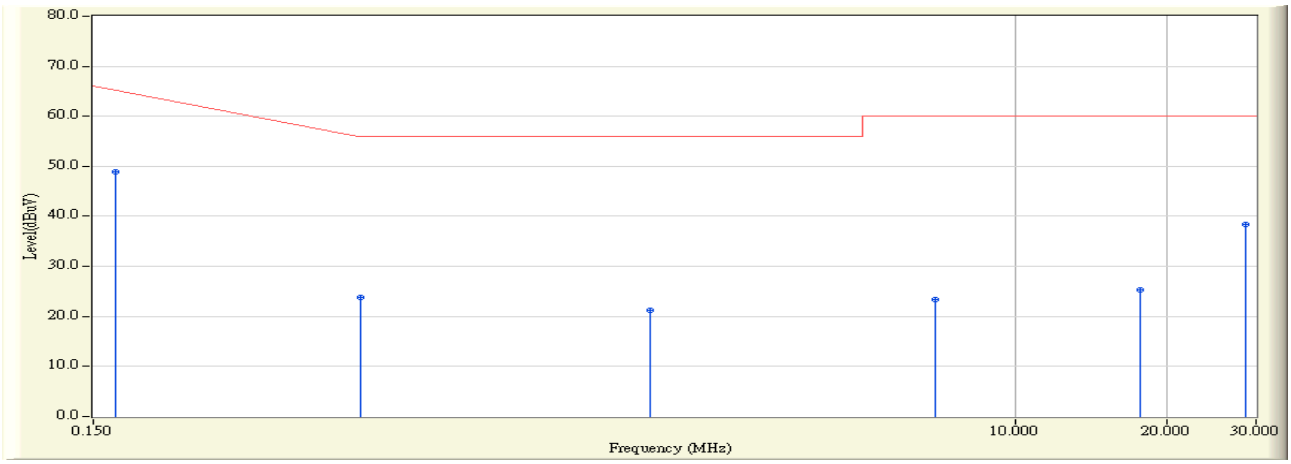


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1		0.166	-0.030	39.617	39.587	-15.956	55.543	AVERAGE
2		0.274	-0.012	30.753	30.741	-21.716	52.457	AVERAGE
3	*	0.710	0.053	43.049	43.103	-2.897	46.000	AVERAGE
4		2.618	0.190	33.007	33.197	-12.803	46.000	AVERAGE
5		5.290	0.311	25.949	26.259	-23.741	50.000	AVERAGE
6		27.974	1.080	27.963	29.043	-20.957	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 : ShieldingRoom3	Time : 2008/07/11 - 15:18
Limit : CISPR_B_00M_QP	Margin : 0
Probe : SR3_LISN(16A) - Line1	Power : AC 120V/60Hz
EUT : WIRELESS G ADSL2+ MODEM ROUTER	Note : Mode 3: Transmit -Adapter (FAIRWAY)-B

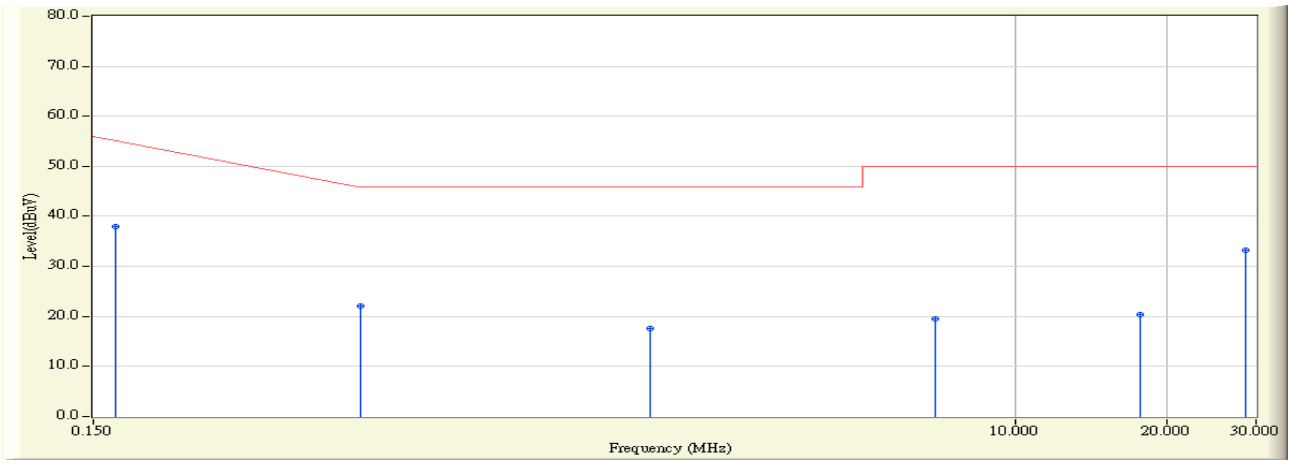


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1	*	0.166	-0.030	48.914	48.884	-16.659	65.543	QUASIPEAK
2		0.506	0.030	23.849	23.879	-32.121	56.000	QUASIPEAK
3		1.896	0.111	21.143	21.253	-34.747	56.000	QUASIPEAK
4		6.938	0.350	22.988	23.338	-36.662	60.000	QUASIPEAK
5		17.694	0.797	24.510	25.306	-34.694	60.000	QUASIPEAK
6		28.686	1.010	37.285	38.295	-21.705	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 : ShieldingRoom3	Time : 2008/07/11 - 15:18
Limit : CISPR_B_00M_AV	Margin : 0
Probe : SR3_LISN(16A) - Line1	Power : AC 120V/60Hz
EUT : WIRELESS G ADSL2+ MODEM ROUTER	Note : Mode 3: Transmit -Adapter (FAIRWAY)-B

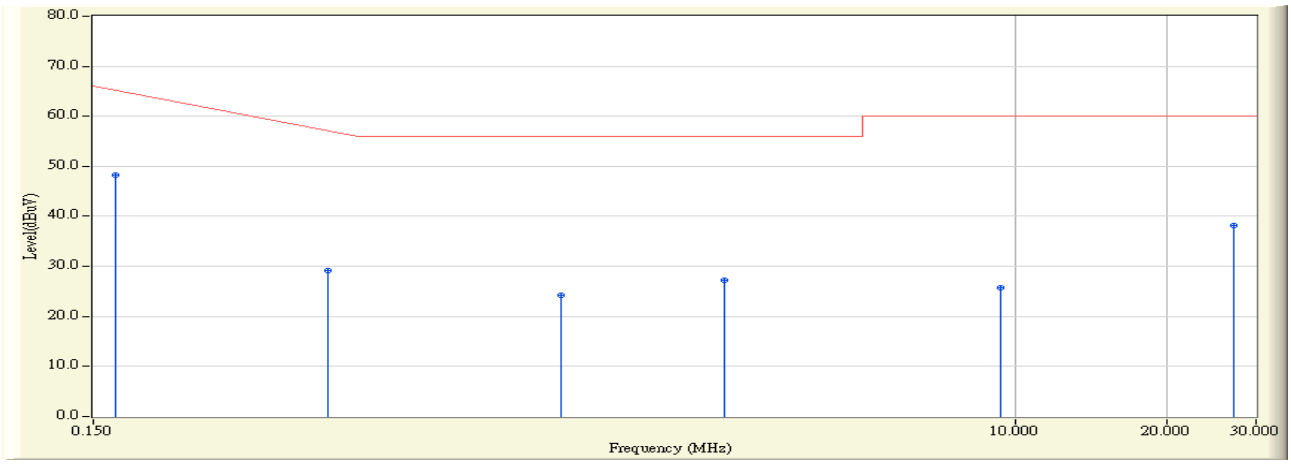


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1		0.166	-0.030	38.030	38.000	-17.543	55.543	AVERAGE
2		0.506	0.030	22.051	22.081	-23.919	46.000	AVERAGE
3		1.896	0.111	17.536	17.647	-28.353	46.000	AVERAGE
4		6.938	0.350	19.186	19.536	-30.464	50.000	AVERAGE
5		17.694	0.797	19.589	20.385	-29.615	50.000	AVERAGE
6	*	28.686	1.010	32.304	33.314	-16.686	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 : ShieldingRoom3	Time : 2008/07/11 - 15:22
Limit : CISPR_B_00M_QP	Margin : 0
Probe : SR3_LISN(16A) - Line2	Power : AC 120V/60Hz
EUT : WIRELESS G ADSL2+ MODEM ROUTER	Note : Mode 3: Transmit -Adapter (FAIRWAY)-B

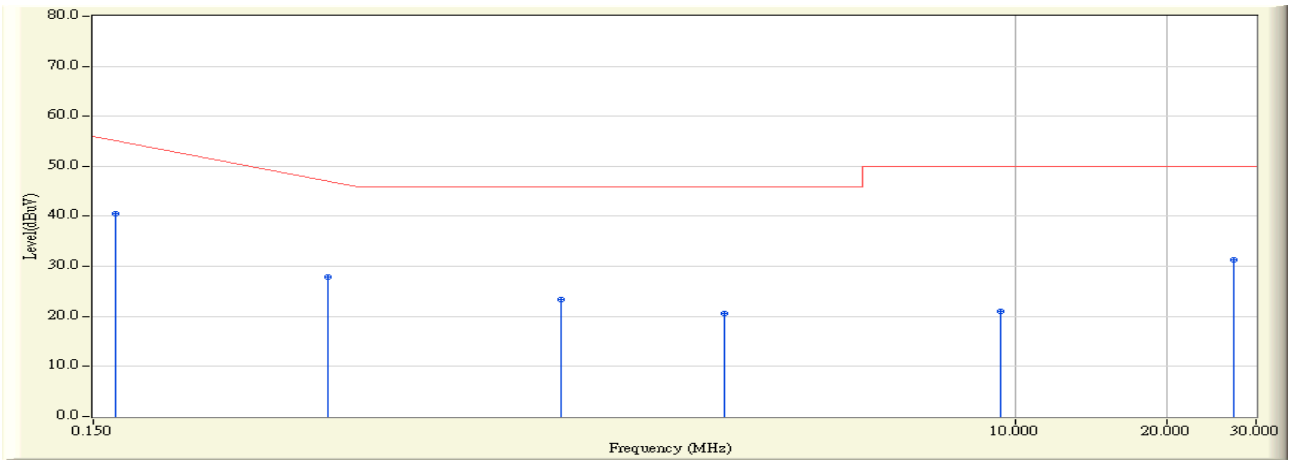


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1	*	0.166	-0.030	48.338	48.308	-17.235	65.543	QUASIPEAK
2		0.438	0.030	29.134	29.164	-28.607	57.771	QUASIPEAK
3		1.266	0.109	24.129	24.238	-31.762	56.000	QUASIPEAK
4		2.670	0.190	27.091	27.281	-28.719	56.000	QUASIPEAK
5		9.386	0.500	25.276	25.776	-34.224	60.000	QUASIPEAK
6		27.158	1.090	37.023	38.113	-21.887	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 : ShieldingRoom3	Time : 2008/07/11 - 15:22
Limit : CISPR_B_00M_AV	Margin : 0
Probe : SR3_LISN(16A) - Line2	Power : AC 120V/60Hz
EUT : WIRELESS G ADSL2+ MODEM ROUTER	Note : Mode 3: Transmit -Adapter (FAIRWAY)-B

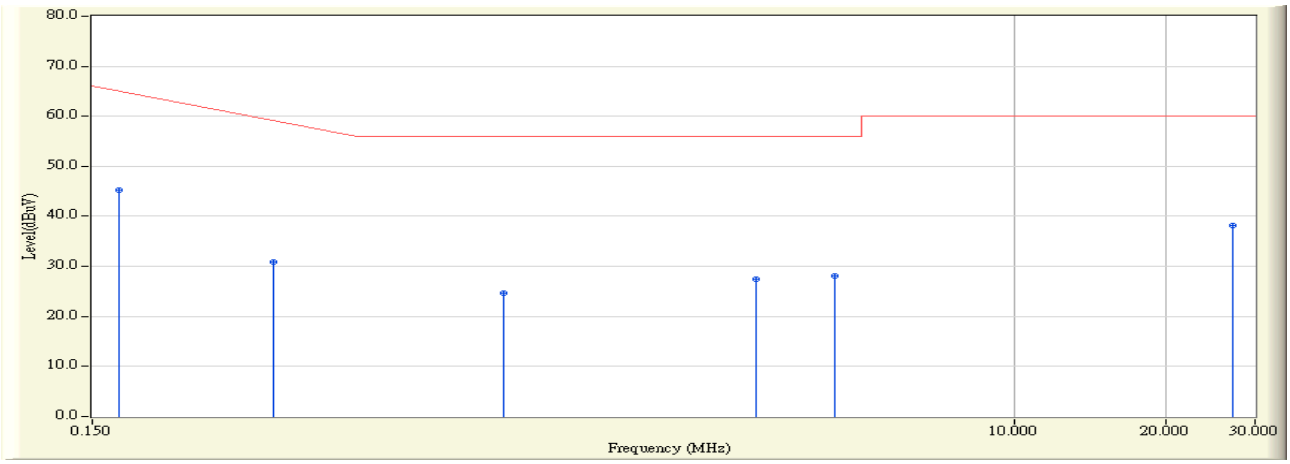


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1	*	0.166	-0.030	40.657	40.627	-14.916	55.543	AVERAGE
2		0.438	0.030	27.872	27.902	-19.869	47.771	AVERAGE
3		1.266	0.109	23.189	23.297	-22.703	46.000	AVERAGE
4		2.670	0.190	20.337	20.527	-25.473	46.000	AVERAGE
5		9.386	0.500	20.575	21.075	-28.925	50.000	AVERAGE
6		27.158	1.090	30.126	31.216	-18.784	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 : ShieldingRoom3	Time : 2008/07/11 - 15:30
Limit : CISPR_B_00M_QP	Margin : 0
Probe : SR3_LISN(16A) - Line1	Power : AC 120V/60Hz
EUT : WIRELESS G ADSL2+ MODEM ROUTER	Note : Mode 3: Transmit -Adapter (FAIRWAY)-G

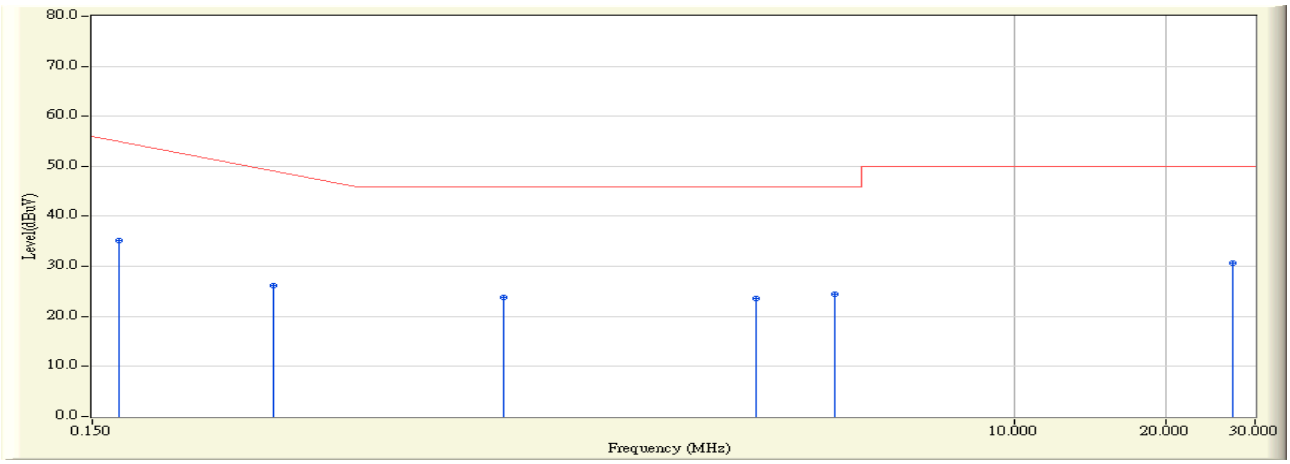


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1	*	0.170	-0.030	45.192	45.162	-20.267	65.429	QUASIPEAK
2		0.342	0.001	30.954	30.955	-29.559	60.514	QUASIPEAK
3		0.978	0.060	24.596	24.656	-31.344	56.000	QUASIPEAK
4		3.078	0.170	27.217	27.387	-28.613	56.000	QUASIPEAK
5		4.426	0.230	27.969	28.199	-27.801	56.000	QUASIPEAK
6		27.158	0.990	37.093	38.083	-21.917	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 : ShieldingRoom3	Time : 2008/07/11 - 15:30
Limit : CISPR_B_00M_AV	Margin : 0
Probe : SR3_LISN(16A) - Line1	Power : AC 120V/60Hz
EUT : WIRELESS G ADSL2+ MODEM ROUTER	Note : Mode 3: Transmit -Adapter (FAIRWAY)-G

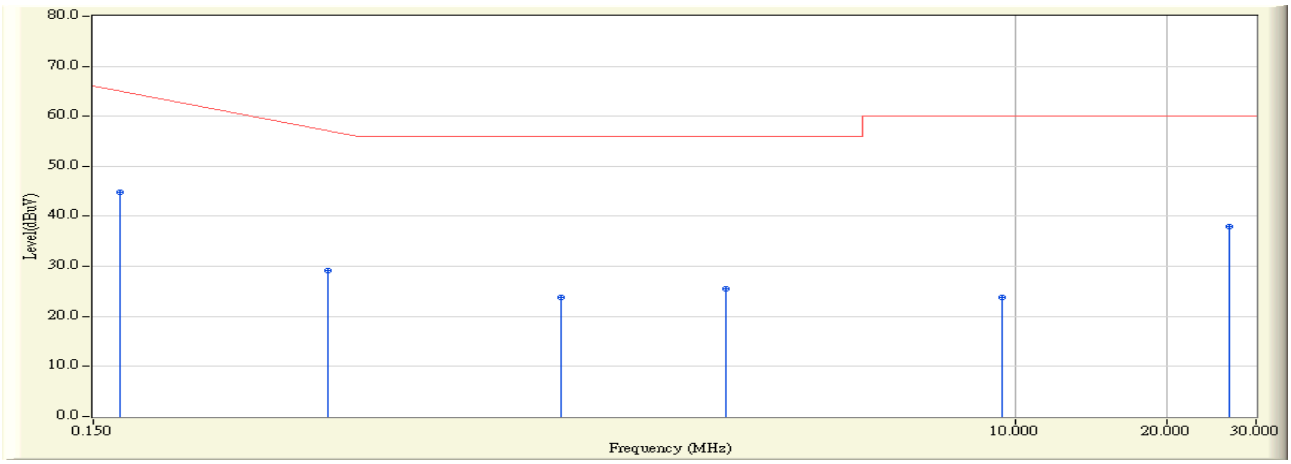


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1		0.170	-0.030	35.286	35.256	-20.173	55.429	AVERAGE
2		0.342	0.001	26.127	26.128	-24.386	50.514	AVERAGE
3		0.978	0.060	23.708	23.768	-22.232	46.000	AVERAGE
4		3.078	0.170	23.485	23.655	-22.345	46.000	AVERAGE
5		4.426	0.230	24.126	24.356	-21.644	46.000	AVERAGE
6	*	27.158	0.990	29.715	30.705	-19.295	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 : ShieldingRoom3	Time : 2008/07/11 - 15:34
Limit : CISPR_B_00M_QP	Margin : 0
Probe : SR3_LISN(16A) - Line2	Power : AC 120V/60Hz
EUT : WIRELESS G ADSL2+ MODEM ROUTER	Note : Mode 3: Transmit -Adapter (FAIRWAY)-G

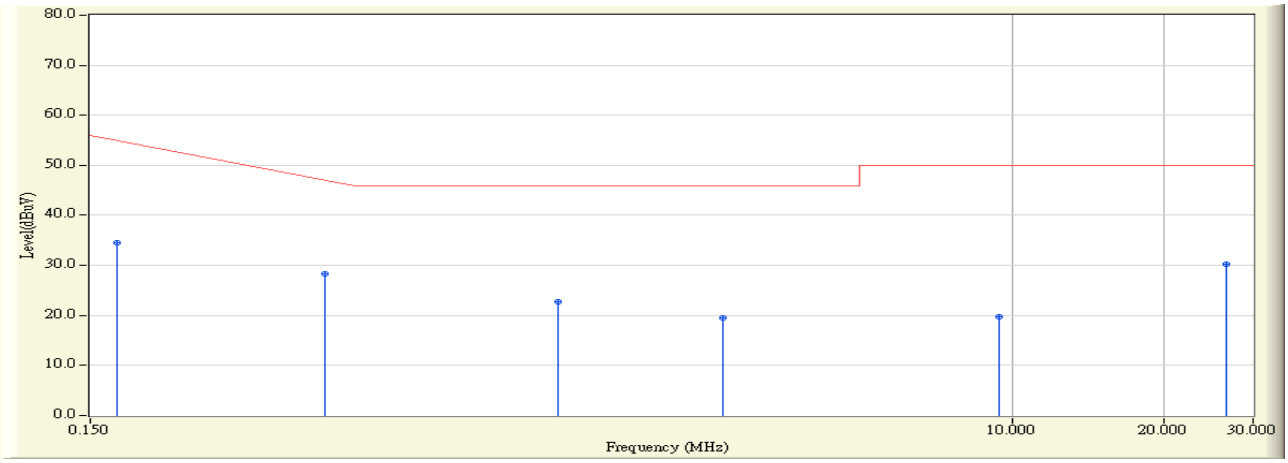


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1	*	0.170	-0.030	44.835	44.805	-20.624	65.429	QUASIPEAK
2		0.438	0.030	29.044	29.074	-28.697	57.771	QUASIPEAK
3		1.266	0.109	23.636	23.745	-32.255	56.000	QUASIPEAK
4		2.674	0.190	25.407	25.597	-30.403	56.000	QUASIPEAK
5		9.402	0.500	23.275	23.775	-36.225	60.000	QUASIPEAK
6		26.610	1.100	36.793	37.893	-22.107	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 : ShieldingRoom3	Time : 2008/07/11 - 15:34
Limit : CISPR_B_00M_AV	Margin : 0
Probe : SR3_LISN(16A) - Line2	Power : AC 120V/60Hz
EUT : WIRELESS G ADSL2+ MODEM ROUTER	Note : Mode 3: Transmit -Adapter (FAIRWAY)-G



		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1		0.170	-0.030	34.609	34.579	-20.850	55.429	AVERAGE
2	*	0.438	0.030	28.361	28.391	-19.380	47.771	AVERAGE
3		1.266	0.109	22.530	22.639	-23.361	46.000	AVERAGE
4		2.674	0.190	19.410	19.600	-26.400	46.000	AVERAGE
5		9.402	0.500	19.130	19.630	-30.370	50.000	AVERAGE
6		26.610	1.100	29.058	30.158	-19.842	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

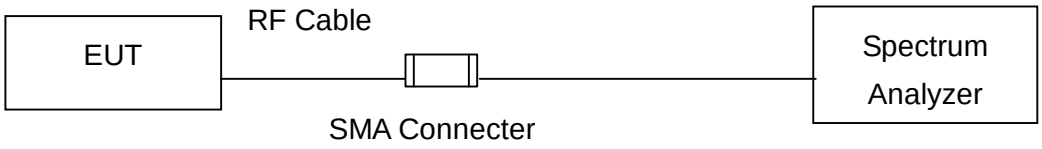
3.1. Test Equipment

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

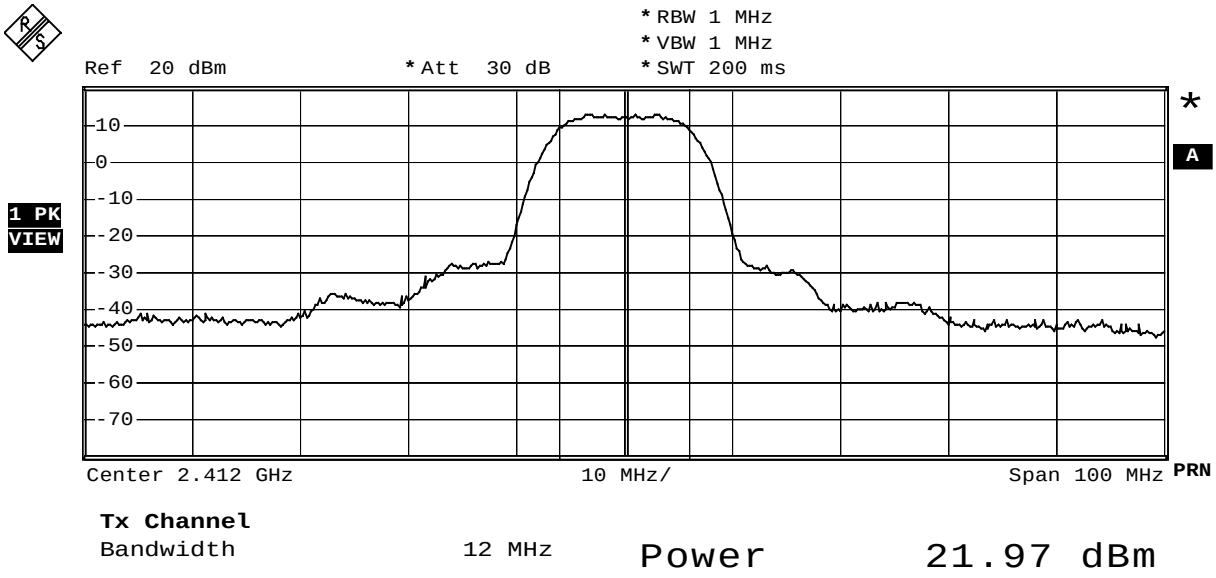
Product	WIRELESS G ADSL2+ MODEM ROUTER		
Test Item	Peak Power Output		
Test Mode	Transmit		
Date of Test	2008/02/14	Test Site	No.1 OATS

IEEE 802.11b				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
1	2412	21.97	1Watt= 30 dBm	Pass
6	2437	22.04	1Watt= 30 dBm	Pass
11	2462	22.39	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	21.97	--	--	--	1Watt= 30 dBm
6	2437.00	22.04	22.01	21.96	21.92	1Watt= 30 dBm
11	2462.00	22.39	--	--	--	1Watt= 30 dBm

Note: Peak Power Output Value =Reading value on peak power meter + cable loss

Channel 1

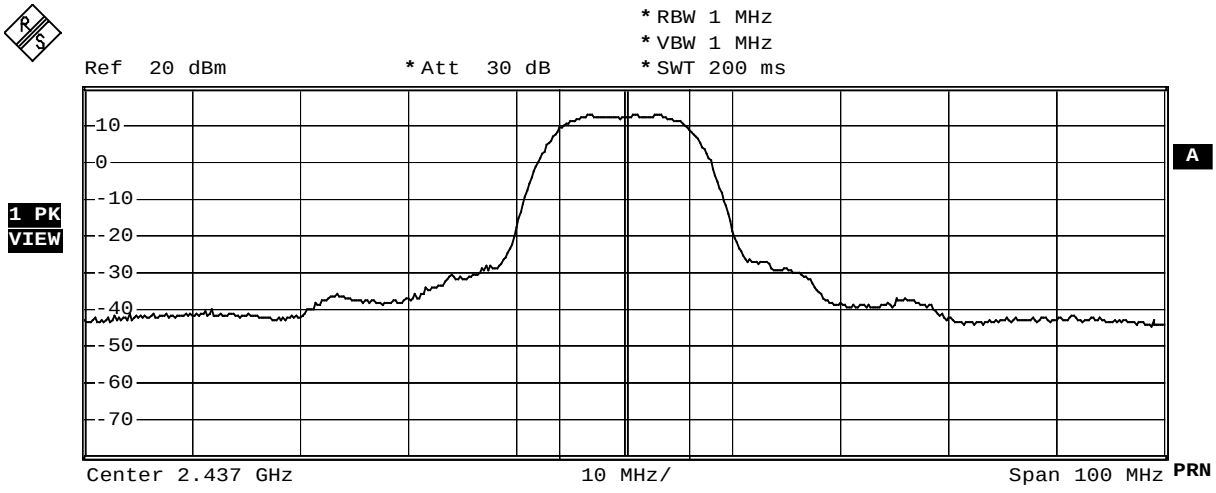


Tx Channel

Bandwidth 12 MHz Power 21.97 dBm

Date: 30.AUG.2008 14:50:46

Channel 6

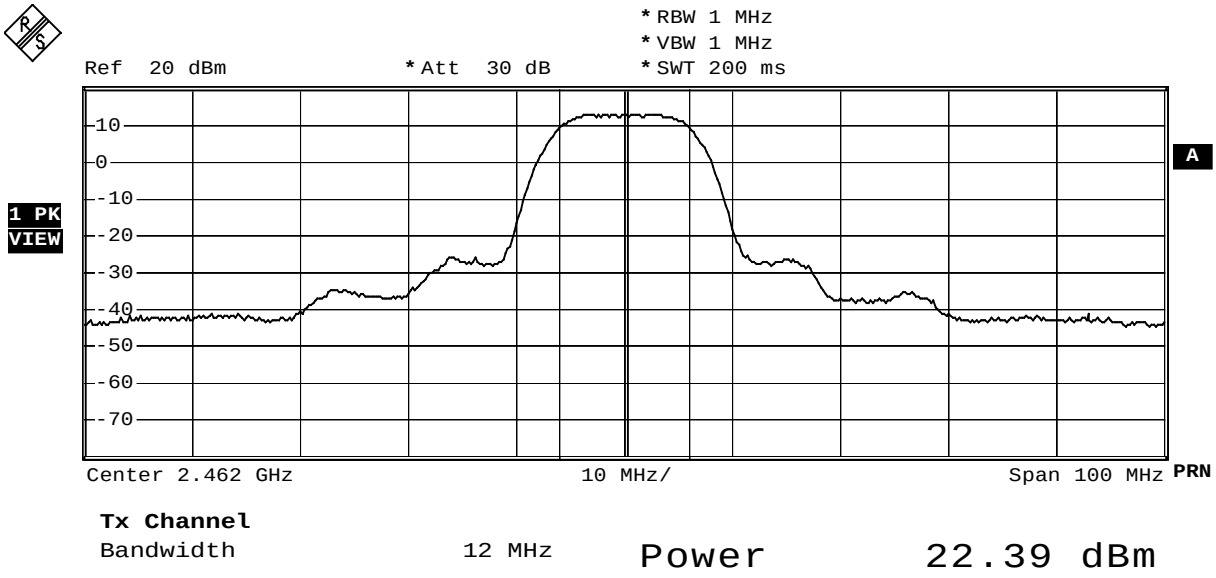


Tx Channel

Bandwidth 12 MHz Power 22.04 dBm

Date: 30.AUG.2008 14:52:24

Channel 11



Tx Channel

Bandwidth	12 MHz	Power	22.39 dBm

Date: 30.AUG.2008 14:53:35

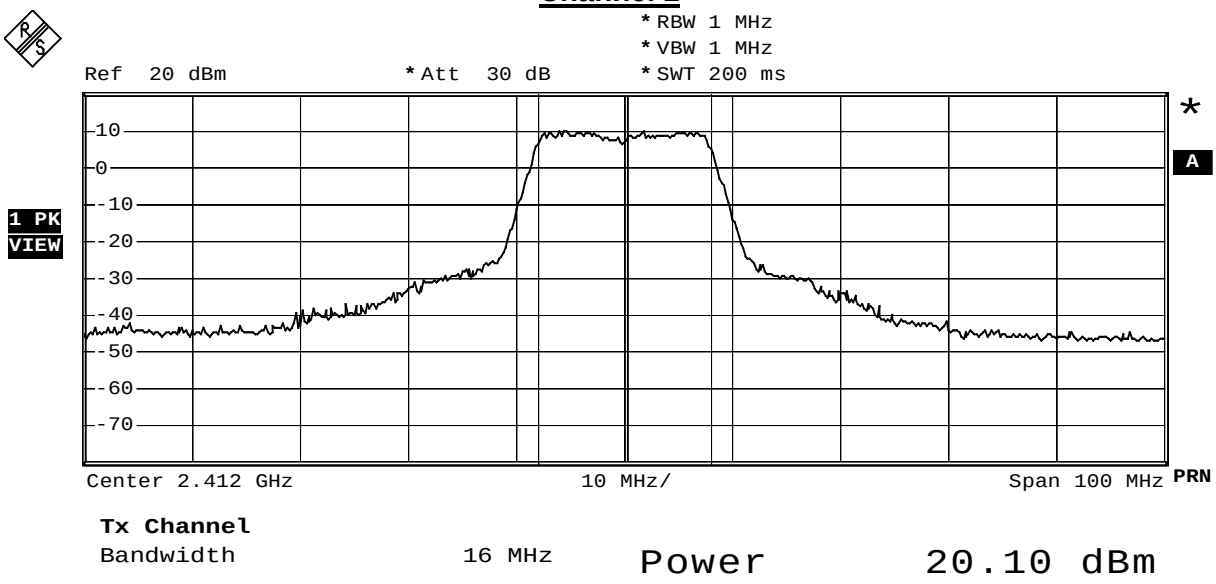
Product	WIRELESS G ADSL2+ MODEM ROUTER		
Test Item	Peak Power Output		
Test Mode	Transmit		
Date of Test	2008/02/14	Test Site	No.1 OATS

IEEE 802.11g				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
1	2412	20.10	1Watt= 30 dBm	Pass
6	2437	20.28	1Watt= 30 dBm	Pass
11	2462	20.64	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	20.10	--	--	--	--	--	--	--	1Watt= 30 dBm
6	2437.00	20.28	20.25	20.23	20.19	20.17	20.14	20.11	20.08	1Watt= 30 dBm
11	2462.00	20.64	--	--	--	--	--	--	--	1Watt= 30 dBm

Note: Peak Power Output Value =Reading value on peak power meter + cable loss

Channel 1

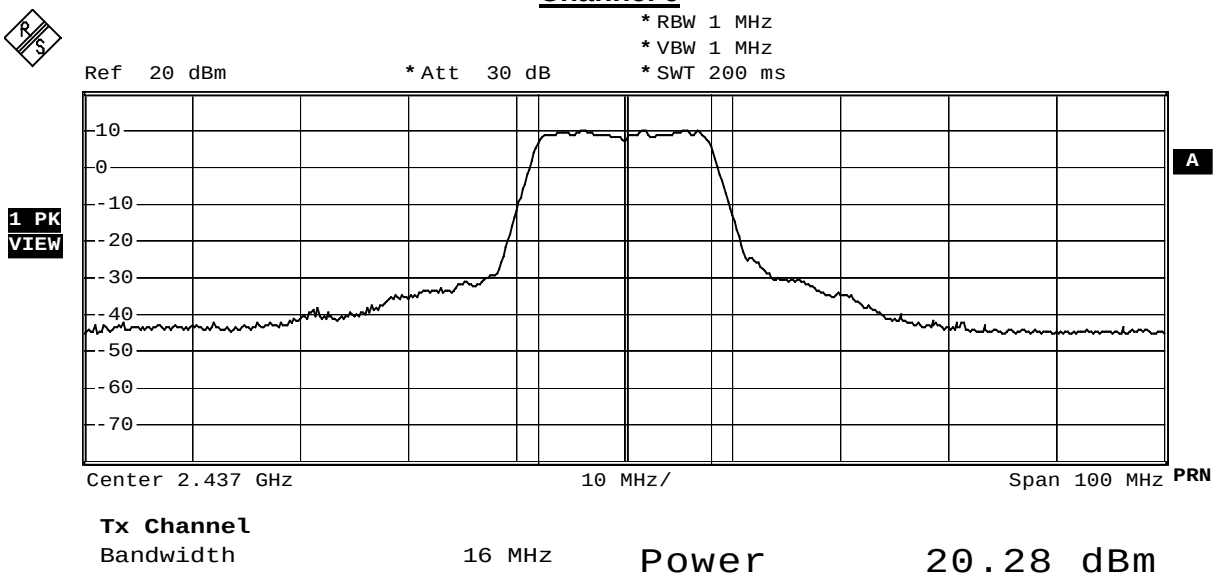


Tx Channel

Bandwidth 16 MHz Power 20.10 dBm

Date: 30.AUG.2008 14:55:26

Channel 6

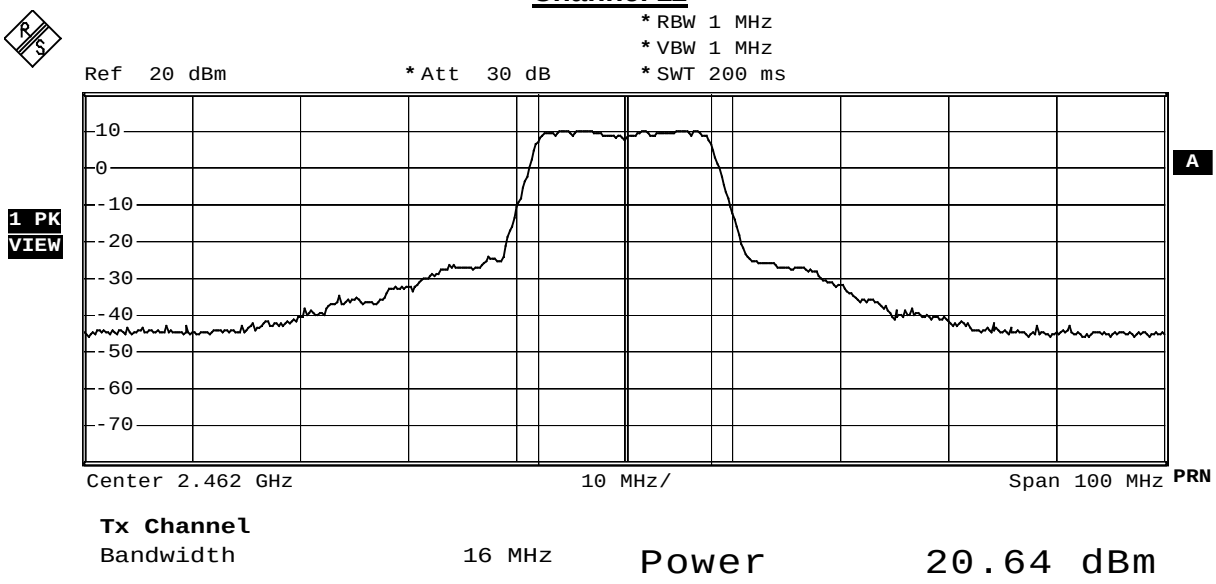


Tx Channel

Bandwidth 16 MHz Power 20.28 dBm

Date: 30.AUG.2008 14:56:22

Channel 11



Tx Channel

Bandwidth 16 MHz Power 20.64 dBm

Date: 30.AUG.2008 14:57:29

4. Radiated Emission

4.1. Test Equipment

The following test equipments are used during the test:

Radiated Emission / Site1

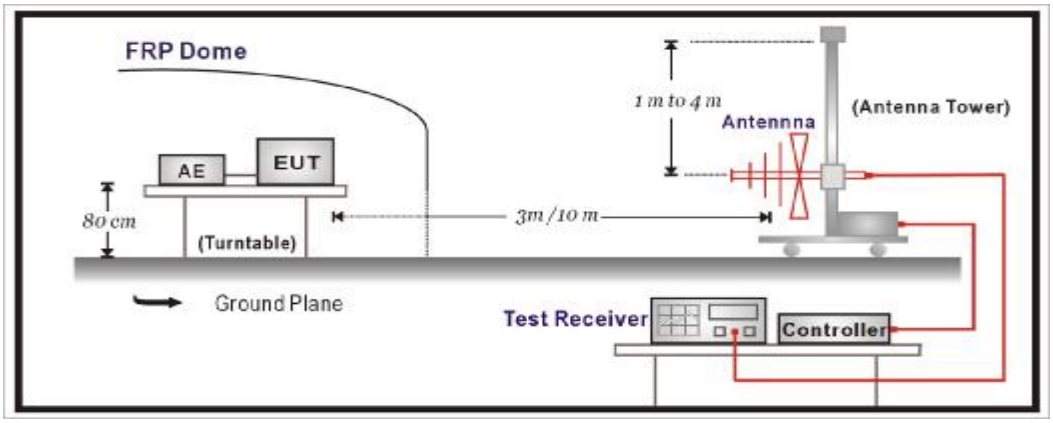
Instrument	Manufacturer	Type No.	Serial No	Cal. Date
Bilog Antenna	Schaffner Chase	CBL6112B	2895	2007/09/03
Horn Antenna	Electro Metrics	EM-6961	103325	2008/03/15
Pre-Amplifier	HP	8449B	3008A01123	2007/11/15
Pre-Amplifier	Quietek	AP-025C	N/A	N/A
Spectrum Analyzer	R & S	FSP40	100005	2007/08/25
Spectrum Analyzer	Advantest	R3162	120300649	2007/11/24
Test Receiver	R & S	ESCS 30	825442/017	2008/02/13

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

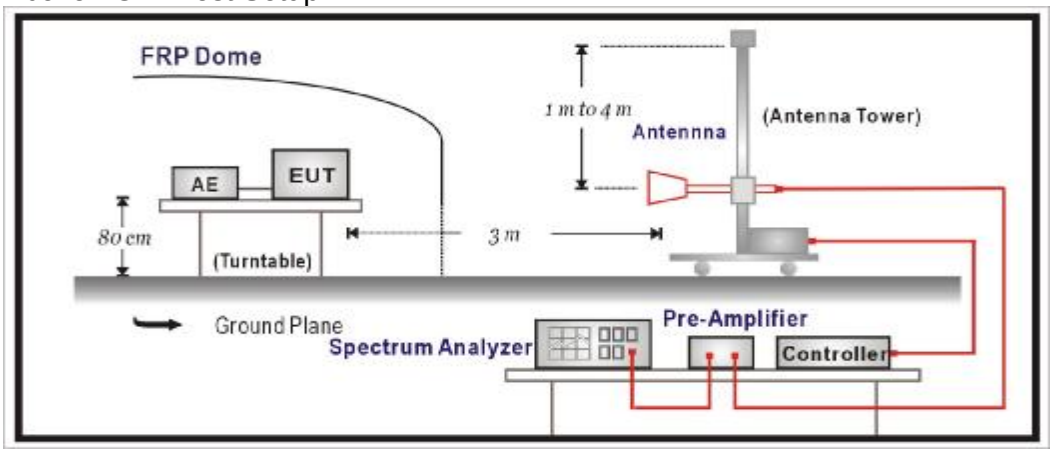
2. Last Cal showing “N/A” means it is used to Pre-test, not for final test.

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.

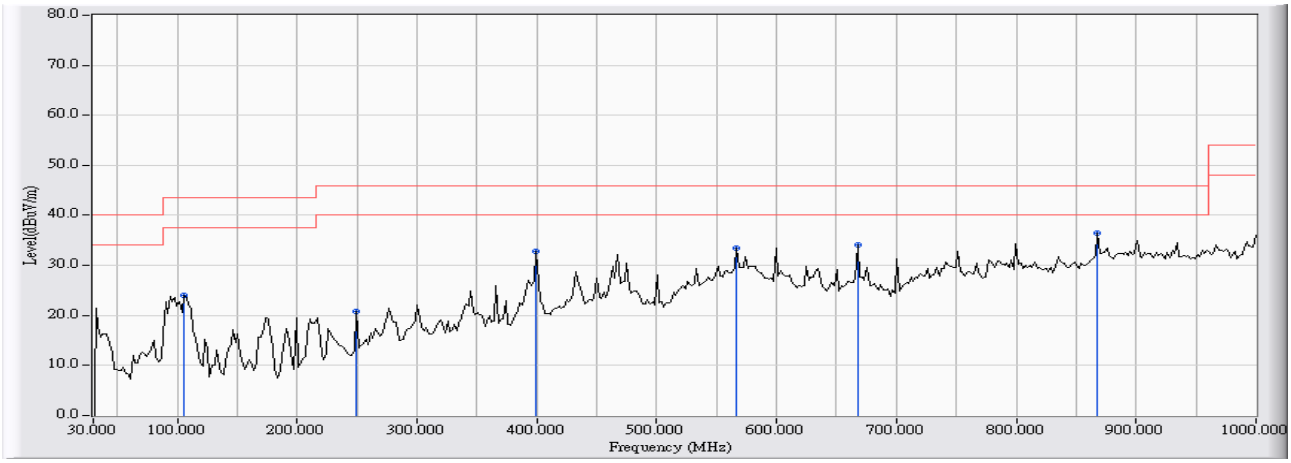
4.5. Uncertainty

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

4.6. Test Result

30MHz-1GHz Spurious

Site : Site 1	Time : 2008/07/20 - 16:17
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- Adapter (AMIGO)-B

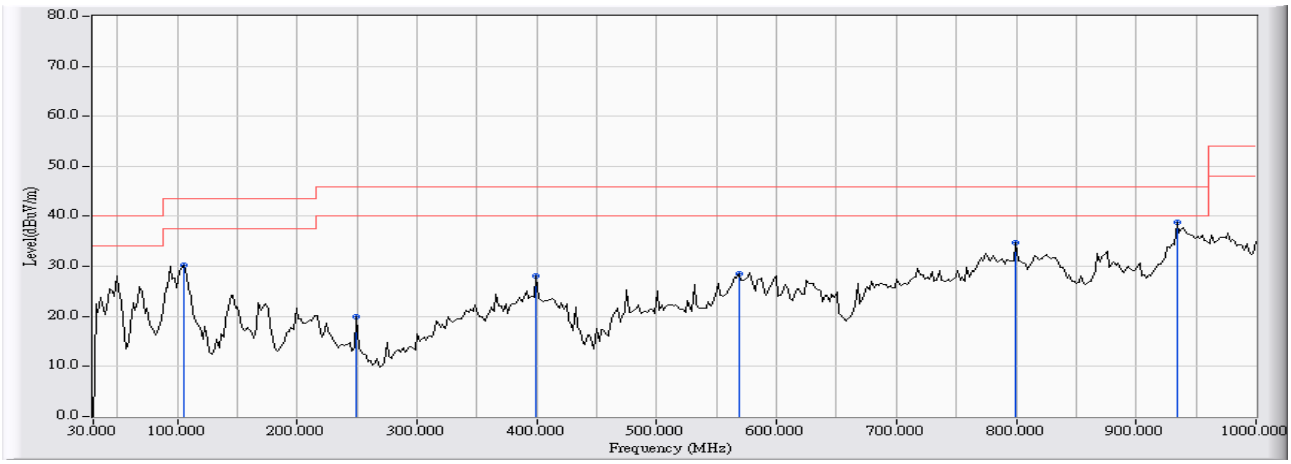


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		105.812	-6.398	30.427	24.029	-19.471	43.500	QUASIPEAK
2		249.659	-6.006	26.872	20.866	-25.134	46.000	QUASIPEAK
3		399.339	5.189	27.613	32.802	-13.198	46.000	QUASIPEAK
4		566.513	9.030	24.381	33.411	-12.589	46.000	QUASIPEAK
5		667.595	6.963	27.134	34.097	-11.903	46.000	QUASIPEAK
6	*	867.816	11.244	25.302	36.547	-9.453	46.000	QUASIPEAK

Note:

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

Site : Site 1	Time : 2008/07/20 - 16:20
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- Adapter (AMIGO)-B

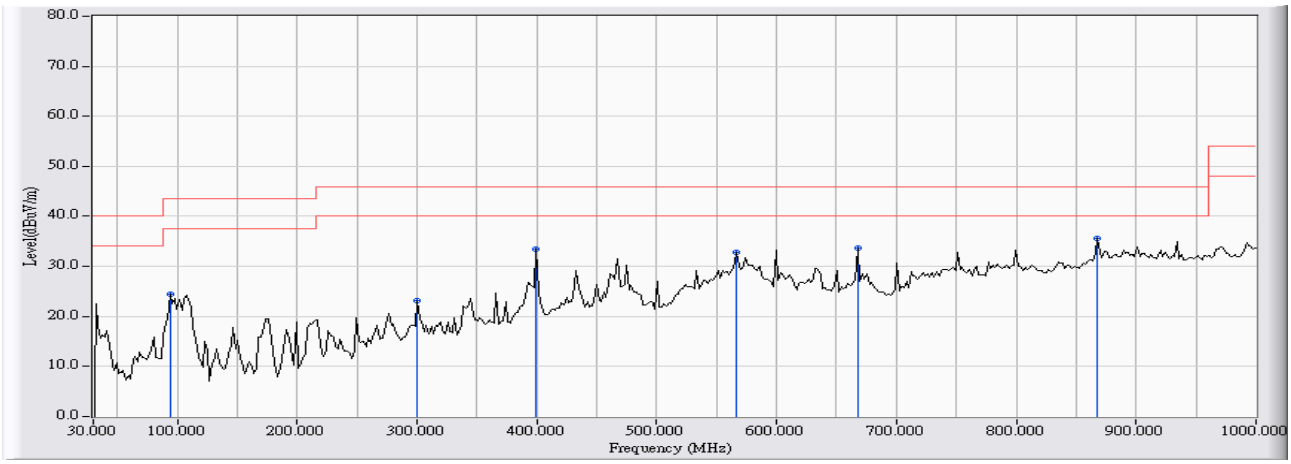


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		105.812	1.859	28.333	30.192	-13.308	43.500	QUASIPEAK
2		249.659	-4.951	24.861	19.910	-26.090	46.000	QUASIPEAK
3		399.339	3.575	24.583	28.158	-17.842	46.000	QUASIPEAK
4		568.457	8.205	20.311	28.516	-17.484	46.000	QUASIPEAK
5		799.780	10.822	23.993	34.815	-11.185	46.000	QUASIPEAK
6	*	933.908	14.040	24.802	38.842	-7.158	46.000	QUASIPEAK

Note:

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

Site : Site 1	Time : 2008/07/20 - 16:27
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- Adapter (AMIGO)-G

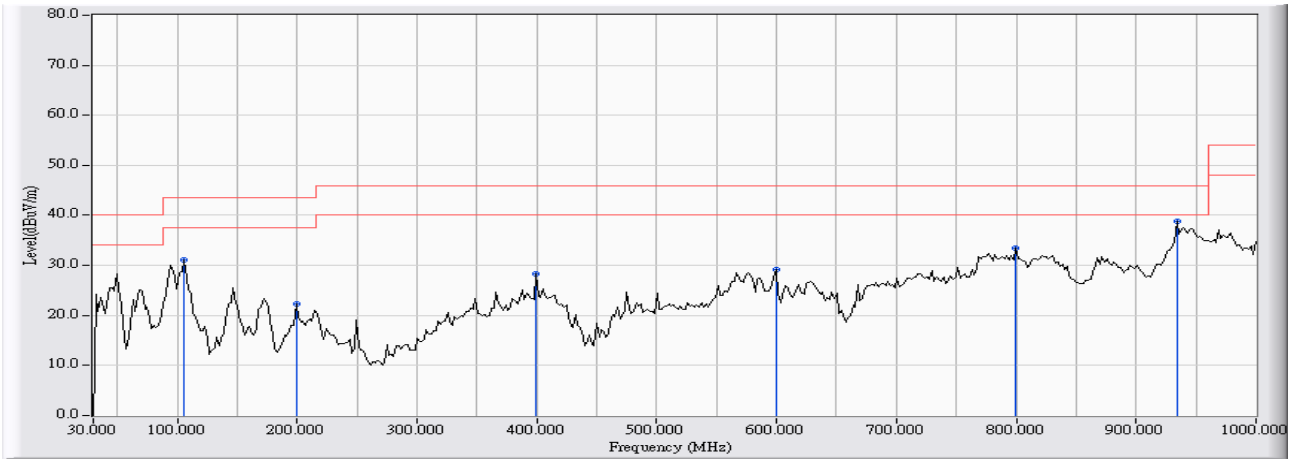


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		94.148	-7.319	31.845	24.526	-18.974	43.500	QUASIPEAK
2		300.200	-0.016	23.084	23.067	-22.933	46.000	QUASIPEAK
3		399.339	5.189	28.184	33.373	-12.627	46.000	QUASIPEAK
4		566.513	9.030	23.889	32.919	-13.081	46.000	QUASIPEAK
5		667.595	6.963	26.791	33.754	-12.246	46.000	QUASIPEAK
6	*	867.816	11.244	24.366	35.611	-10.389	46.000	QUASIPEAK

Note:

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

Site : Site 1	Time : 2008/07/20 - 16:31
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- Adapter (AMIGO)-G

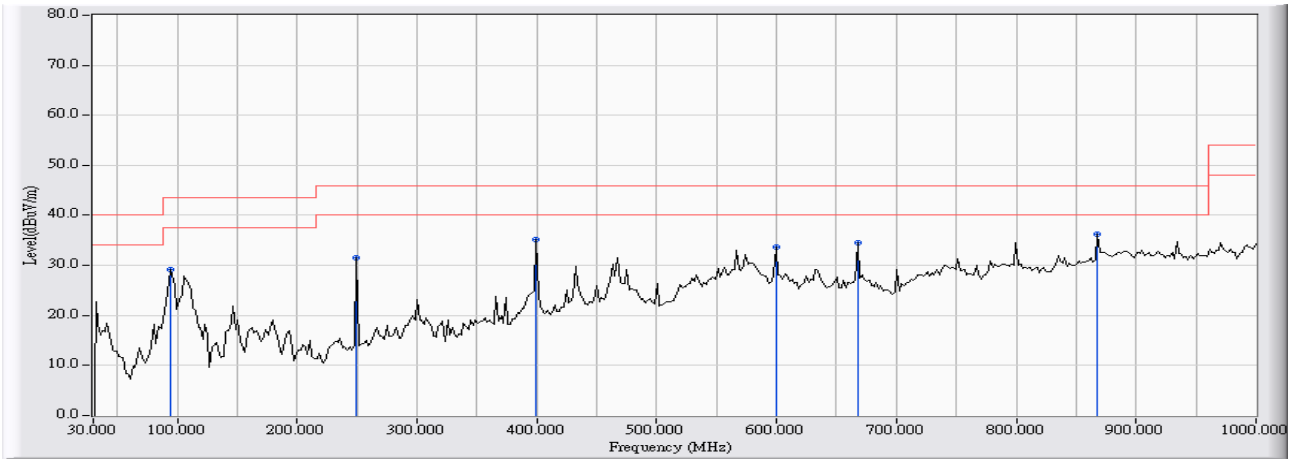


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		105.812	1.859	29.329	31.188	-12.312	43.500	QUASIPEAK
2		199.118	-0.717	22.934	22.217	-21.283	43.500	QUASIPEAK
3		399.339	3.575	24.831	28.406	-17.594	46.000	QUASIPEAK
4		599.559	6.201	23.034	29.235	-16.765	46.000	QUASIPEAK
5		799.780	10.822	22.665	33.487	-12.513	46.000	QUASIPEAK
6	*	933.908	14.040	24.717	38.757	-7.243	46.000	QUASIPEAK

Note:

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

Site : Site 1	Time : 2008/07/20 - 16:39
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 -Adapter (FAIRWAY)-B

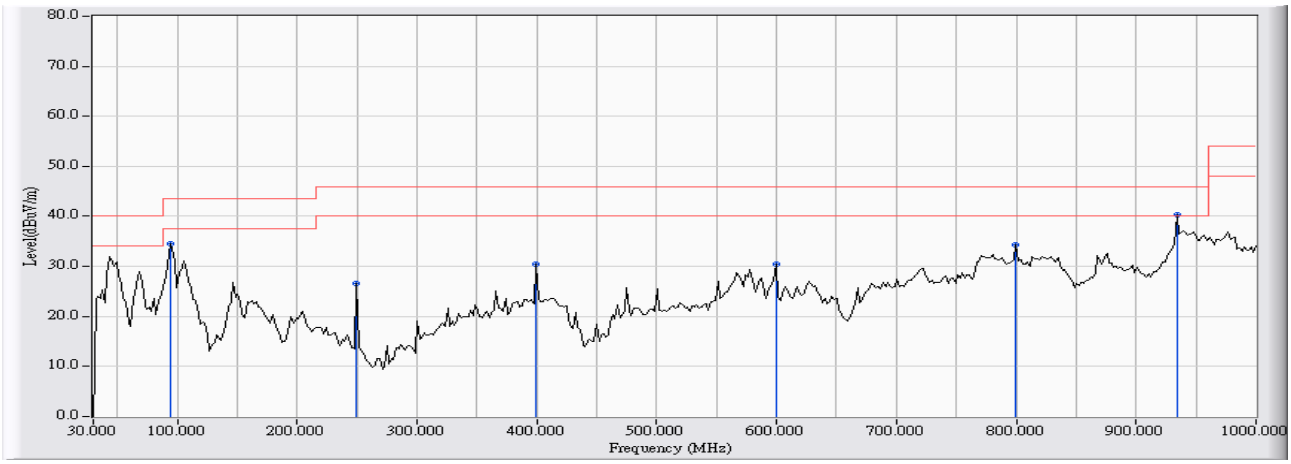


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		94.148	-7.319	36.407	29.088	-14.412	43.500	QUASIPEAK
2		249.659	-6.006	37.594	31.588	-14.412	46.000	QUASIPEAK
3		399.339	5.189	29.939	35.128	-10.872	46.000	QUASIPEAK
4		599.559	7.313	26.354	33.667	-12.333	46.000	QUASIPEAK
5		667.595	6.963	27.464	34.427	-11.573	46.000	QUASIPEAK
6	*	867.816	11.244	25.097	36.342	-9.658	46.000	QUASIPEAK

Note:

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

Site : Site 1	Time : 2008/07/20 - 16:42
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 -Adapter (FAIRWAY)-B

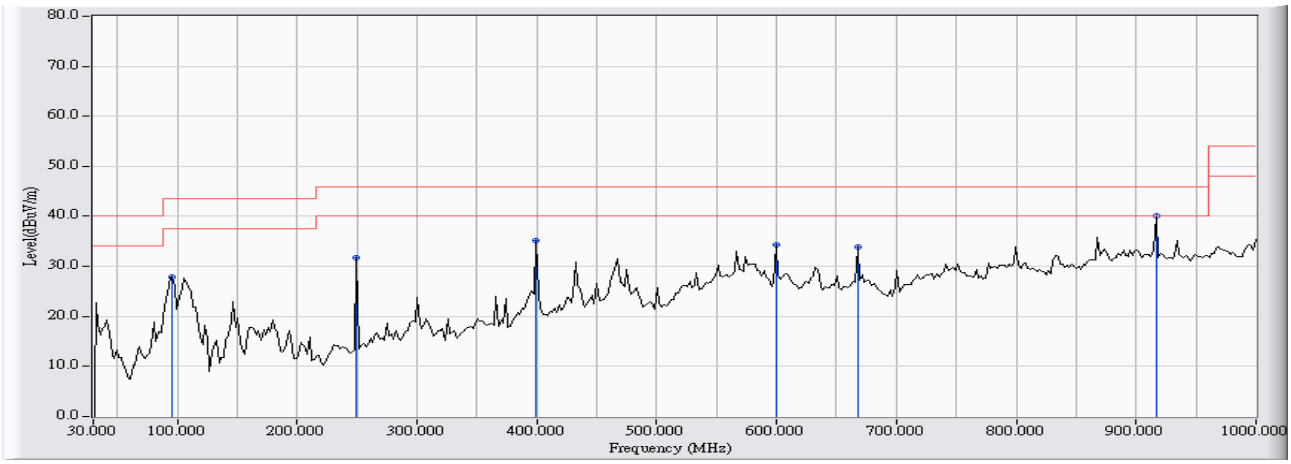


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		94.148	0.592	33.859	34.451	-9.049	43.500	QUASIPEAK
2		249.659	-4.951	31.607	26.656	-19.344	46.000	QUASIPEAK
3		399.339	3.575	26.875	30.450	-15.550	46.000	QUASIPEAK
4		599.559	6.201	24.240	30.441	-15.559	46.000	QUASIPEAK
5		799.780	10.822	23.533	34.355	-11.645	46.000	QUASIPEAK
6	*	933.908	14.040	26.218	40.258	-5.742	46.000	QUASIPEAK

Note:

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

Site : Site 1	Time : 2008/07/20 - 16:48
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 -Adapter (FAIRWAY)-G

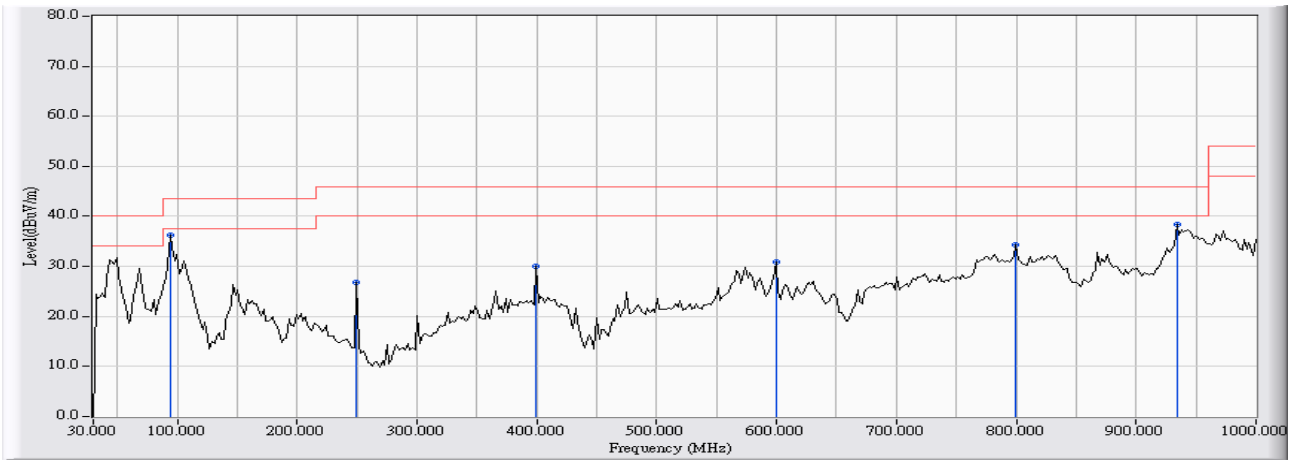


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		96.092	-7.289	35.199	27.910	-15.590	43.500	QUASIPEAK
2		249.659	-6.006	37.668	31.662	-14.338	46.000	QUASIPEAK
3		399.339	5.189	29.919	35.108	-10.892	46.000	QUASIPEAK
4		599.559	7.313	27.037	34.350	-11.650	46.000	QUASIPEAK
5		667.595	6.963	26.966	33.929	-12.071	46.000	QUASIPEAK
6	*	916.413	11.003	29.149	40.152	-5.848	46.000	QUASIPEAK

Note:

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

Site : Site 1	Time : 2008/07/20 - 16:52
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 -Adapter (FAIRWAY)-G

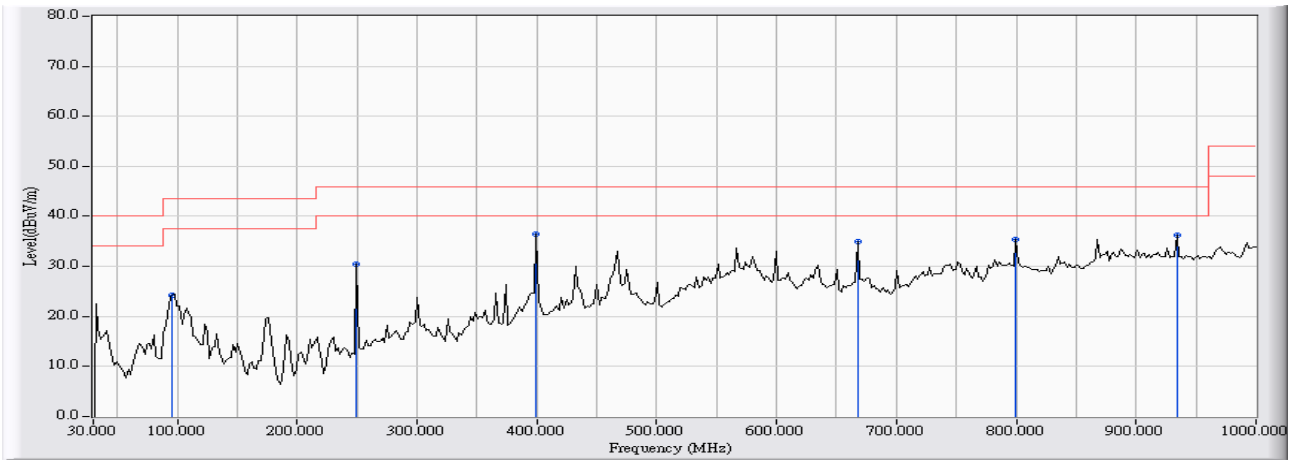


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	94.148	0.592	35.632	36.224	-7.276	43.500	QUASIPEAK
2		249.659	-4.951	31.668	26.717	-19.283	46.000	QUASIPEAK
3		399.339	3.575	26.484	30.059	-15.941	46.000	QUASIPEAK
4		599.559	6.201	24.763	30.964	-15.036	46.000	QUASIPEAK
5		799.780	10.822	23.505	34.327	-11.673	46.000	QUASIPEAK
6		933.908	14.040	24.452	38.492	-7.508	46.000	QUASIPEAK

Note:

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

Site : Site 1	Time : 2008/07/20 - 16:59
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 -Adapter (D-Link)-B

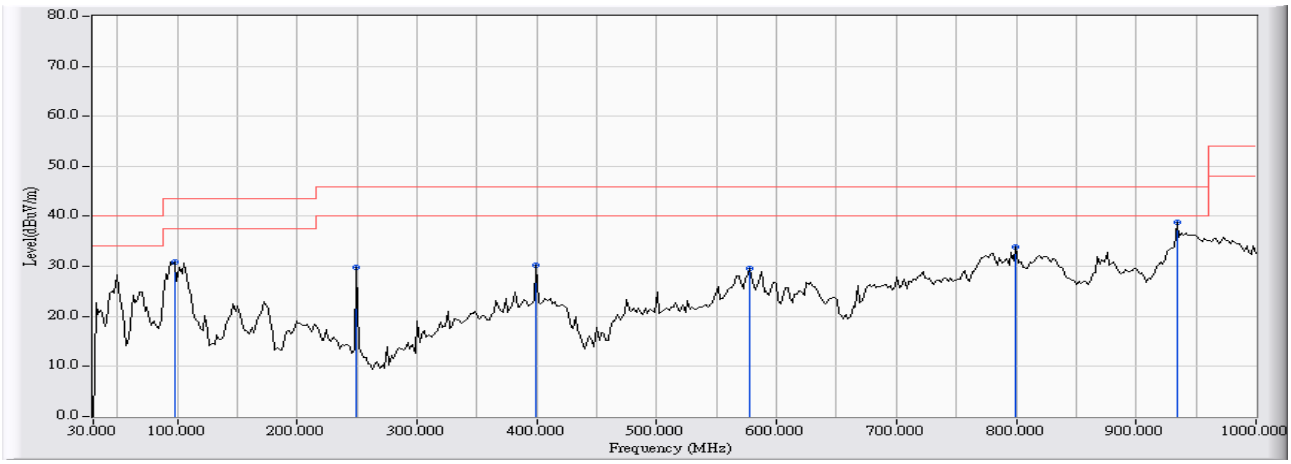


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		96.092	-7.289	31.481	24.192	-19.308	43.500	QUASIPEAK
2		249.659	-6.006	36.537	30.531	-15.469	46.000	QUASIPEAK
3	*	399.339	5.189	31.292	36.481	-9.519	46.000	QUASIPEAK
4		667.595	6.963	28.003	34.966	-11.034	46.000	QUASIPEAK
5		799.780	9.412	26.023	35.435	-10.565	46.000	QUASIPEAK
6		933.908	10.692	25.614	36.305	-9.695	46.000	QUASIPEAK

Note:

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

Site : Site 1	Time : 2008/07/20 - 17:05
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 -Adapter (D-Link)-B

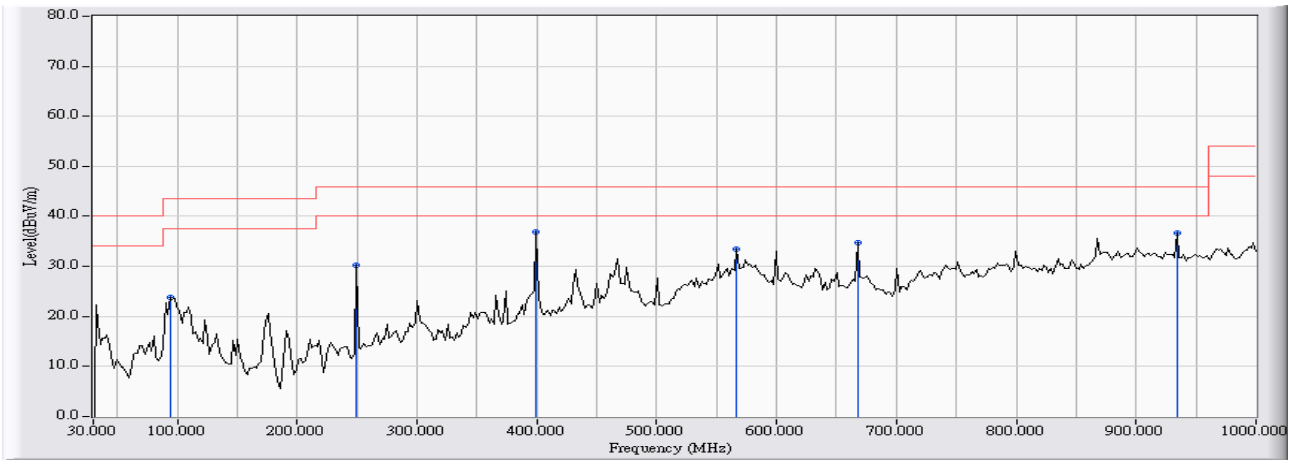


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		98.036	0.828	30.083	30.911	-12.589	43.500	QUASIPEAK
2		249.659	-4.951	34.680	29.729	-16.271	46.000	QUASIPEAK
3		399.339	3.575	26.629	30.204	-15.796	46.000	QUASIPEAK
4		578.176	8.976	20.547	29.523	-16.477	46.000	QUASIPEAK
5		799.780	10.822	23.027	33.849	-12.151	46.000	QUASIPEAK
6	*	933.908	14.040	24.682	38.722	-7.278	46.000	QUASIPEAK

Note:

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

Site : Site 1	Time : 2008/07/20 - 17:11
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 -Adapter (D-Link)-G

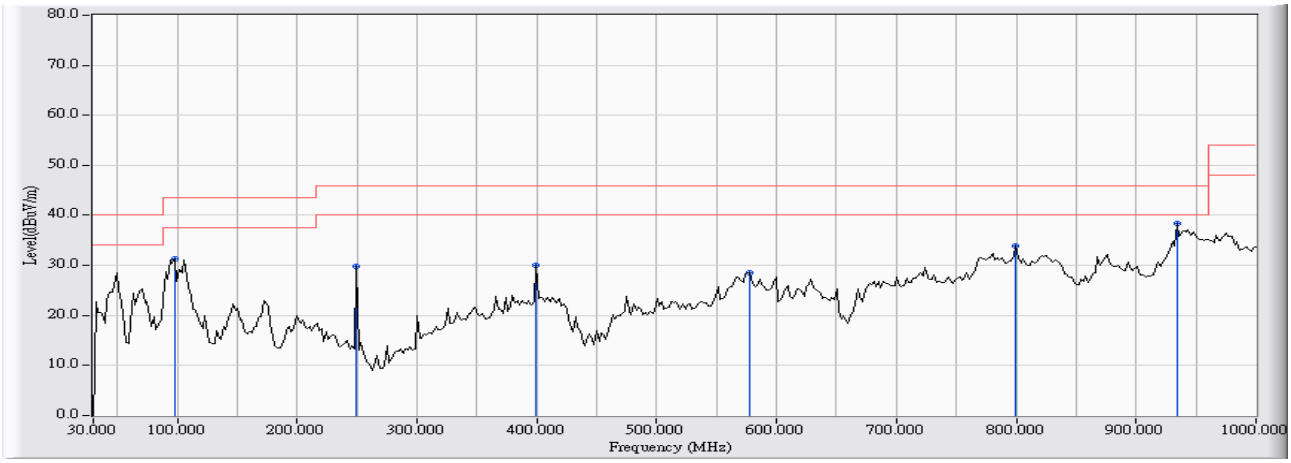


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		94.148	-7.319	31.054	23.735	-19.765	43.500	QUASIPEAK
2		249.659	-6.006	36.248	30.242	-15.758	46.000	QUASIPEAK
3	*	399.339	5.189	31.780	36.969	-9.031	46.000	QUASIPEAK
4		566.513	9.030	24.505	33.535	-12.465	46.000	QUASIPEAK
5		667.595	6.963	27.873	34.836	-11.164	46.000	QUASIPEAK
6		933.908	10.692	25.978	36.669	-9.331	46.000	QUASIPEAK

Note:

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

Site : Site 1	Time : 2008/07/20 - 17:15
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 -Adapter (D-Link)-G



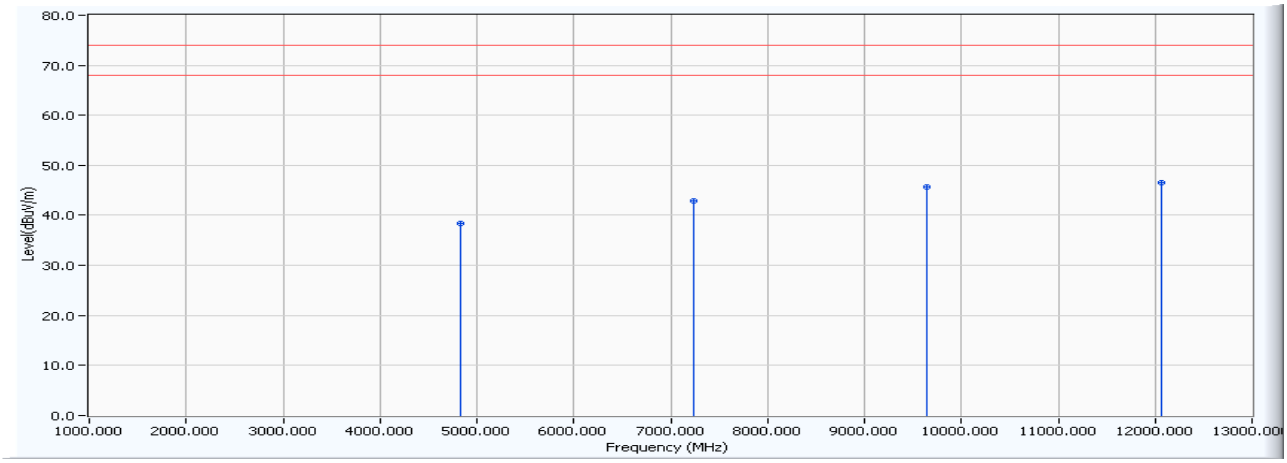
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		98.036	0.828	30.388	31.216	-12.284	43.500	QUASIPEAK
2		249.659	-4.951	34.859	29.908	-16.092	46.000	QUASIPEAK
3		399.339	3.575	26.523	30.098	-15.902	46.000	QUASIPEAK
4		578.176	8.976	19.605	28.581	-17.419	46.000	QUASIPEAK
5		799.780	10.822	23.147	33.969	-12.031	46.000	QUASIPEAK
6	*	933.908	14.040	24.452	38.492	-7.508	46.000	QUASIPEAK

Note:

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

Harmonic & Spurious:

Site : Site 1	Time : 2008/02/12 - 13:18
Limit : FCC_SpartC_15.247_H_03M_PK	Margin : 6
EUT : WIRELESS G ADSL2+ MODEM ROUTER	Probe : CB3_FCC_1-18G(2007) - HORIZONTAL
Power : AC 120V/60Hz	Note : Transmit-B-CH 1

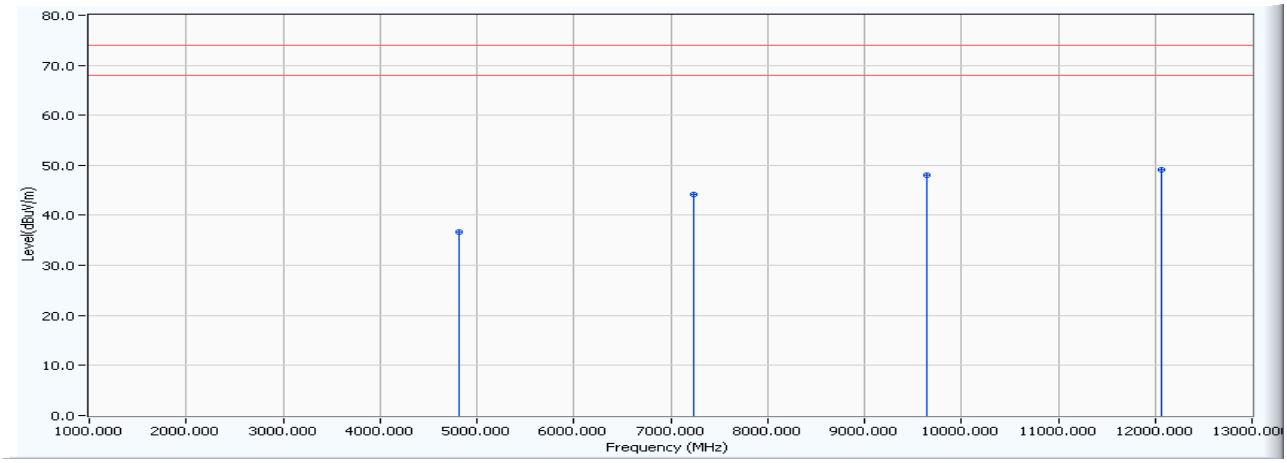


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)	Detector Type
1		4824.120	3.734	34.600	38.334	-35.666	74.000	54.000	PEAK
2		7237.120	8.728	34.120	42.848	-31.152	74.000	54.000	PEAK
3		9646.870	12.706	33.020	45.726	-28.274	74.000	54.000	PEAK
4	*	12058.620	14.940	31.590	46.530	-27.470	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 1	Time : 2008/02/12 - 13:20
Limit : FCC_SpartC_15.247_H_03M_PK	Margin : 6
EUT : WIRELESS G ADSL2+ MODEM ROUTER	Probe : CB3_FCC_1-18G(2007) - VERTICAL
Power : AC 120V/60Hz	Note : Transmit-B-CH 1

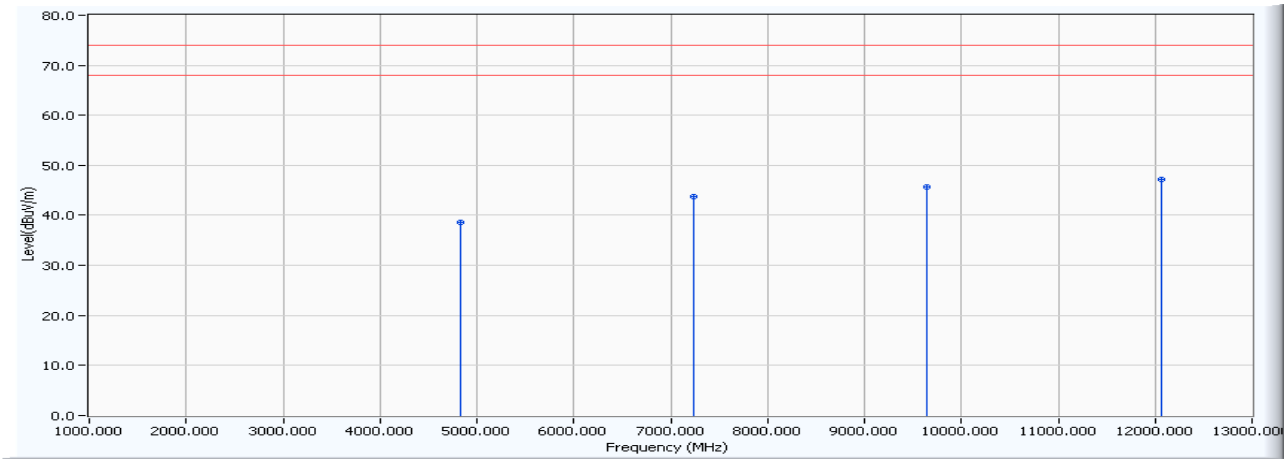


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)	Detector Type
1		4823.370	1.975	34.760	36.736	-37.264	74.000	54.000	PEAK
2		7234.370	8.724	35.380	44.105	-29.895	74.000	54.000	PEAK
3		9650.370	14.708	33.240	47.948	-26.052	74.000	54.000	PEAK
4	*	12058.870	17.209	31.800	49.010	-24.990	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 1	Time : 2008/02/12 - 13:25
Limit : FCC_SpartC_15.247_H_03M_PK	Margin : 6
EUT : WIRELESS G ADSL2+ MODEM ROUTER	Probe : CB3_FCC_1-18G(2007) - HORIZONTAL
Power : AC 120V/60Hz	Note : Transmit-G-CH 1

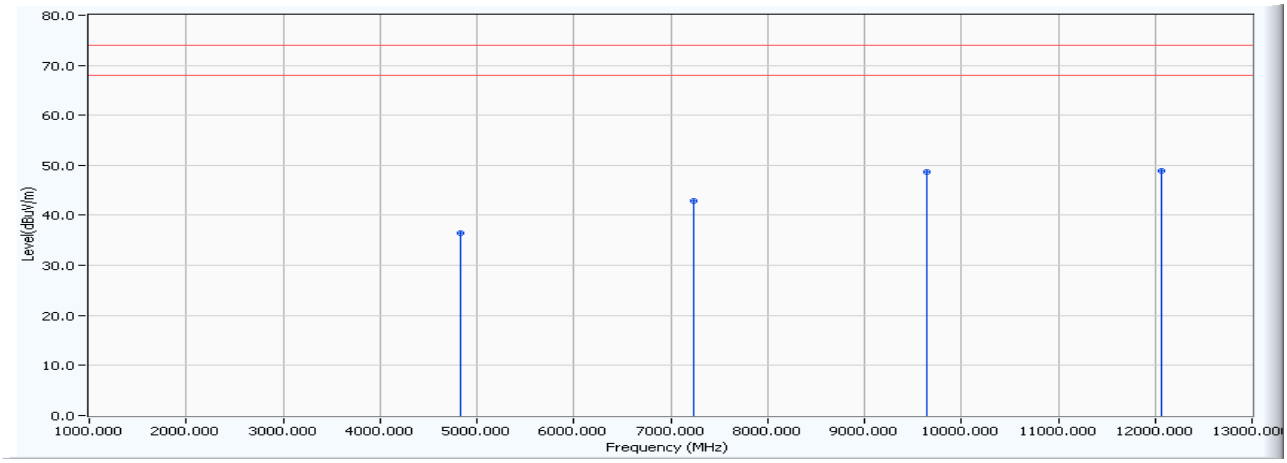


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)	Detector Type
1		4824.810	3.738	34.880	38.619	-35.381	74.000	54.000	PEAK
2		7236.450	8.728	34.930	43.657	-30.343	74.000	54.000	PEAK
3		9649.350	12.709	33.040	45.748	-28.252	74.000	54.000	PEAK
4	*	12060.750	15.120	32.060	47.181	-26.819	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 1	Time : 2008/02/12 - 13:25
Limit : FCC_SpartC_15.247_H_03M_PK	Margin : 6
EUT : WIRELESS G ADSL2+ MODEM ROUTER	Probe : CB3_FCC_1-18G(2007) - VERTICAL
Power : AC 120V/60Hz	Note : Transmit-G-CH 1

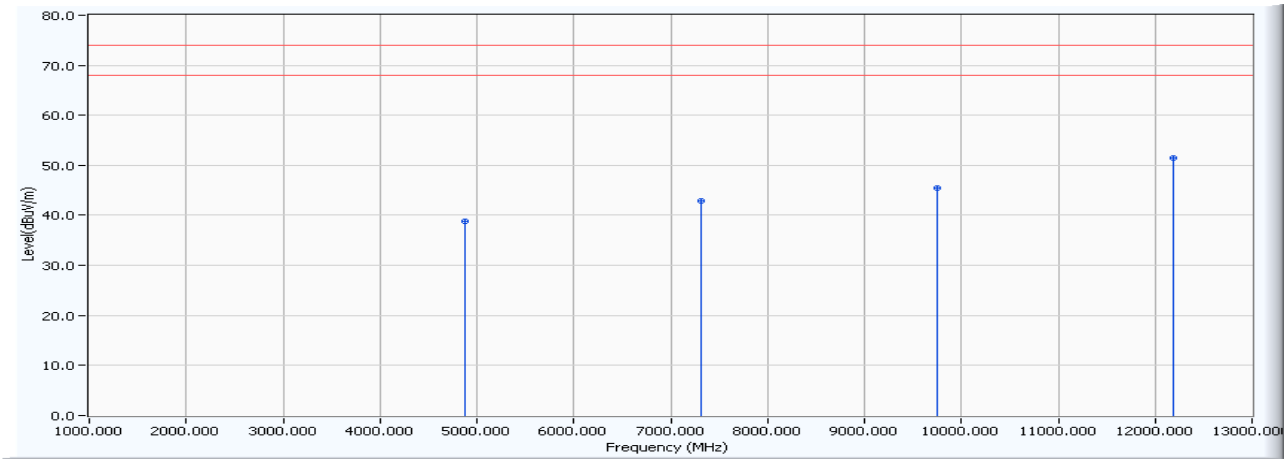


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)	Detector Type
1		4823.930	1.981	34.460	36.441	-37.559	74.000	54.000	PEAK
2		7235.930	8.726	34.110	42.836	-31.164	74.000	54.000	PEAK
3		9648.060	14.707	33.940	48.647	-25.353	74.000	54.000	PEAK
4	*	12060.180	17.226	31.750	48.976	-25.024	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 1	Time : 2008/02/12 - 13:21
Limit : FCC_SpartC_15.247_H_03M_PK	Margin : 6
EUT : WIRELESS G ADSL2+ MODEM ROUTER	Probe : CB3_FCC_1-18G(2007) - HORIZONTAL
Power : AC 120V/60Hz	Note : Transmit-B-CH 6

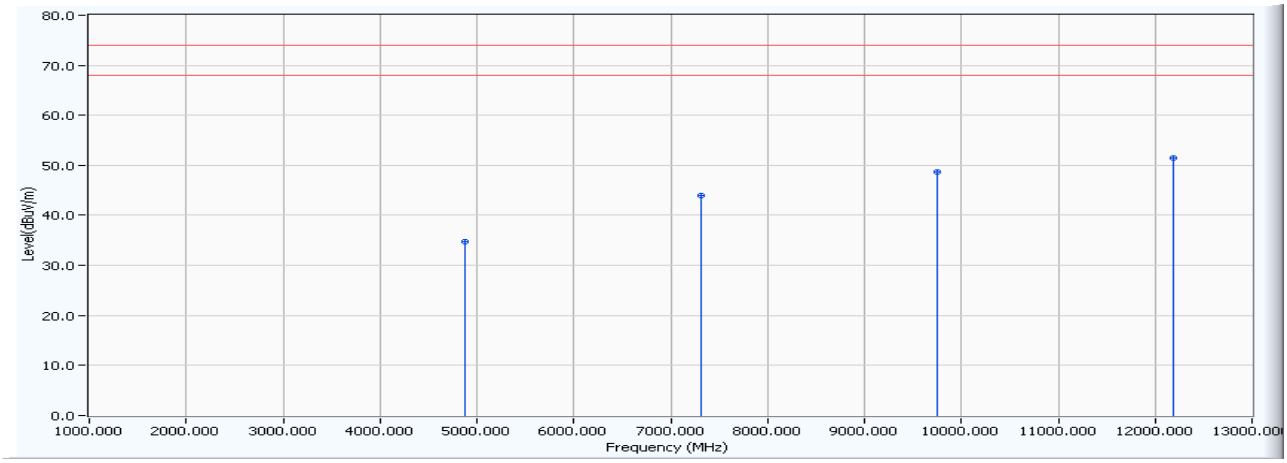


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)	Detector Type
1		4873.120	4.082	34.720	38.801	-35.199	74.000	54.000	PEAK
2		7311.620	8.846	34.040	42.885	-31.115	74.000	54.000	PEAK
3		9748.370	13.134	32.310	45.445	-28.555	74.000	54.000	PEAK
4	*	12182.110	18.986	32.500	51.486	-22.514	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 1	Time : 2008/02/12 - 13:22
Limit : FCC_SpartC_15.247_H_03M_PK	Margin : 6
EUT : WIRELESS G ADSL2+ MODEM ROUTER	Probe : CB3_FCC_1-18G(2007) - VERTICAL
Power : AC 120V/60Hz	Note : Transmit-B-CH 6

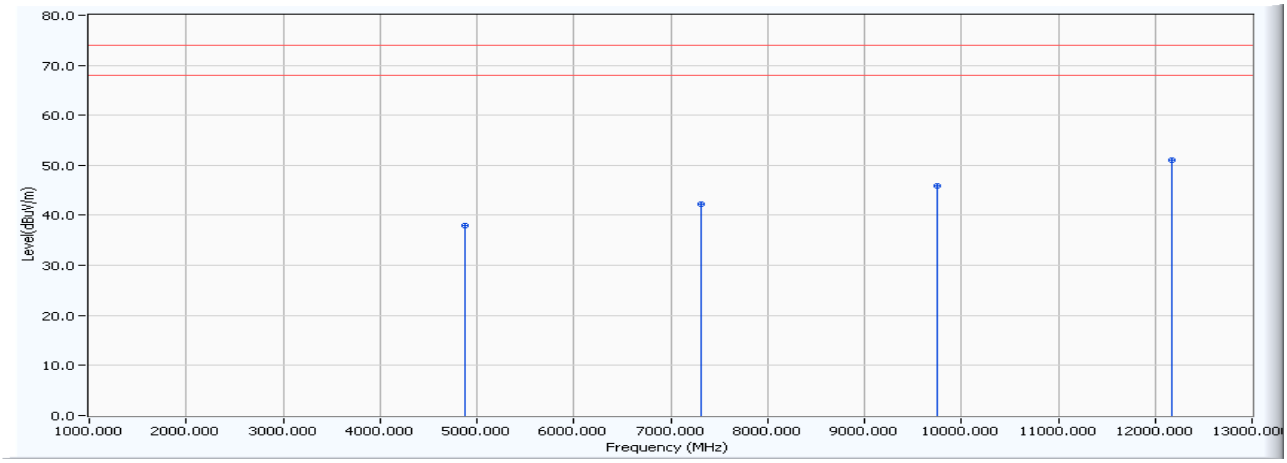


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)	Detector Type
1		4877.880	2.467	32.200	34.667	-39.333	74.000	54.000	PEAK
2		7313.370	8.848	35.030	43.877	-30.123	74.000	54.000	PEAK
3		9748.620	15.137	33.520	48.656	-25.344	74.000	54.000	PEAK
4	*	12183.370	19.358	32.040	51.397	-22.603	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 1	Time : 2008/02/12 - 15:09
Limit : FCC_SpartC_15.247_H_03M_PK	Margin : 6
EUT : WIRELESS G ADSL2+ MODEM ROUTER	Probe : CB3_FCC_1-18G(2007) - HORIZONTAL
Power : AC 120V/60Hz	Note : Transmit-G-CH6

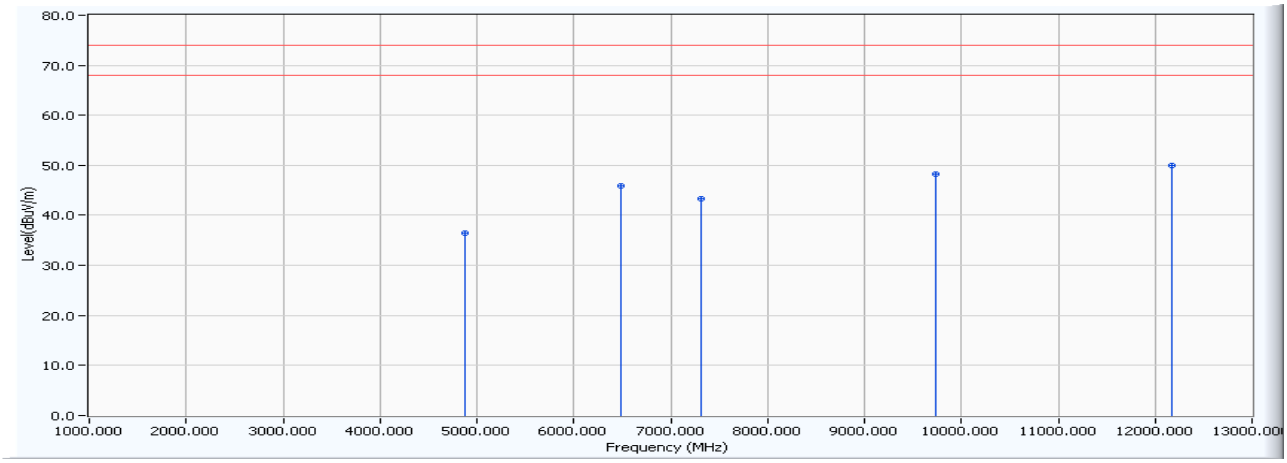


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)	Detector Type
1		4872.250	4.076	33.780	37.856	-36.144	74.000	54.000	PEAK
2		7312.030	8.846	33.340	42.186	-31.814	74.000	54.000	PEAK
3		9743.870	13.110	32.770	45.881	-28.119	74.000	54.000	PEAK
4	*	12179.740	18.978	32.020	50.998	-23.002	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 1	Time : 2008/02/12 - 15:21
Limit : FCC_SpartC_15.247_H_03M_PK	Margin : 6
EUT : WIRELESS G ADSL2+ MODEM ROUTER	Probe : CB3_FCC_1-18G(2007) - VERTICAL
Power : AC 120V/60Hz	Note : Transmit-G-CH6

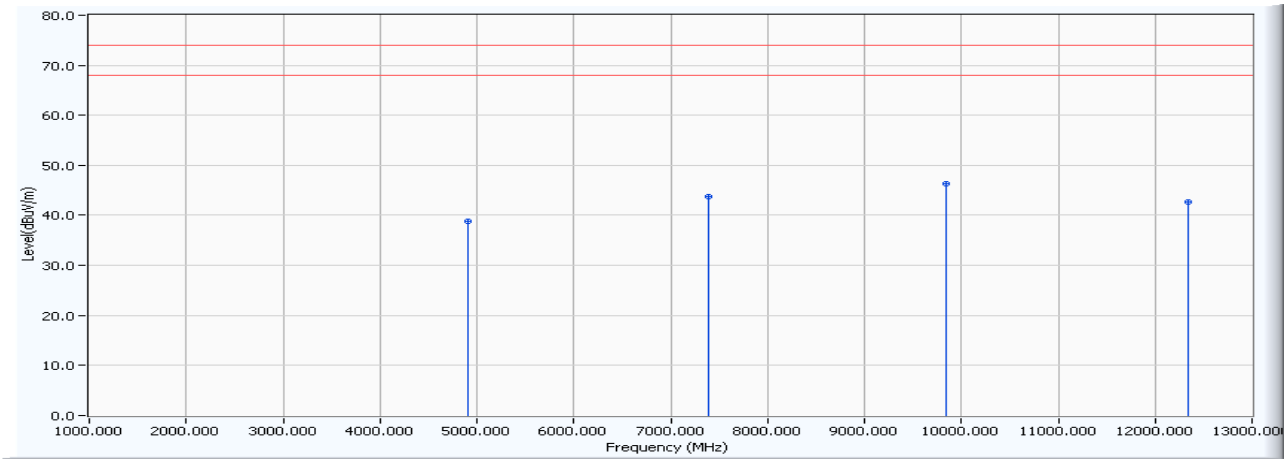


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)	Detector Type
1		4872.120	2.417	33.990	36.408	-37.592	74.000	54.000	PEAK
2		6490.360	6.327	39.560	45.887	-28.113	74.000	54.000	PEAK
3		7308.860	8.842	34.390	43.232	-30.768	74.000	54.000	PEAK
4		9743.040	15.107	33.110	48.217	-25.783	74.000	54.000	PEAK
5	*	12179.840	19.287	30.780	50.067	-23.933	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 1	Time : 2008/02/12 - 13:22
Limit : FCC_SpartC_15.247_H_03M_PK	Margin : 6
EUT : WIRELESS G ADSL2+ MODEM ROUTER	Probe : CB3_FCC_1-18G(2007) - HORIZONTAL
Power : AC 120V/60Hz	Note : Transmit-B-CH 11

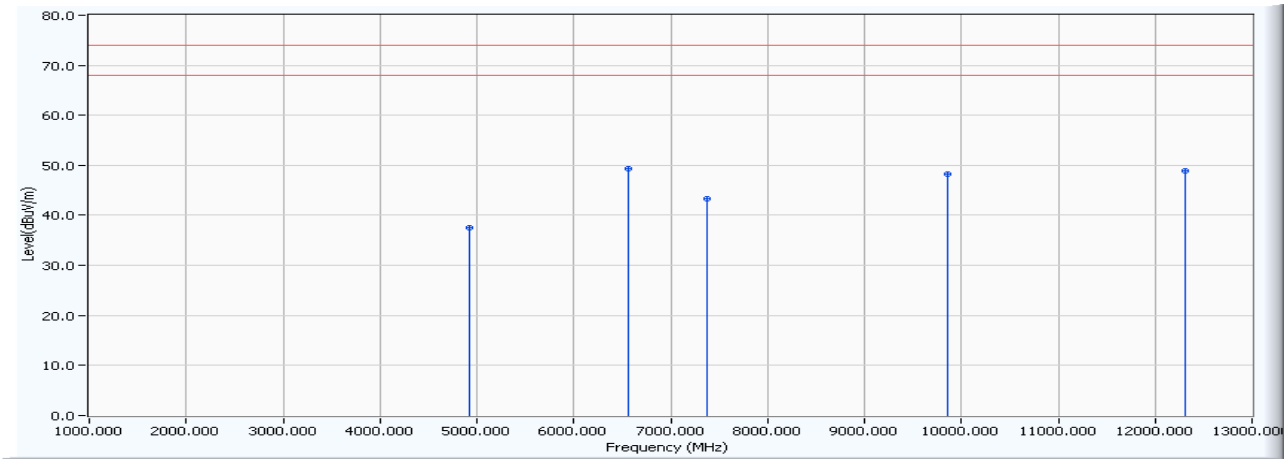


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)	Detector Type
1		4906.960	4.318	34.540	38.859	-35.141	74.000	54.000	PEAK
2		7391.010	8.949	34.750	43.699	-30.301	74.000	54.000	PEAK
3	*	9838.980	13.751	32.500	46.251	-27.749	74.000	54.000	PEAK
4		12337.050	10.927	31.770	42.697	-31.303	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 1	Time : 2008/02/12 - 13:24
Limit : FCC_SpartC_15.247_H_03M_PK	Margin : 6
EUT : WIRELESS G ADSL2+ MODEM ROUTER	Probe : CB3_FCC_1-18G(2007) - VERTICAL
Power : AC 120V/60Hz	Note : Transmit-B-CH 11

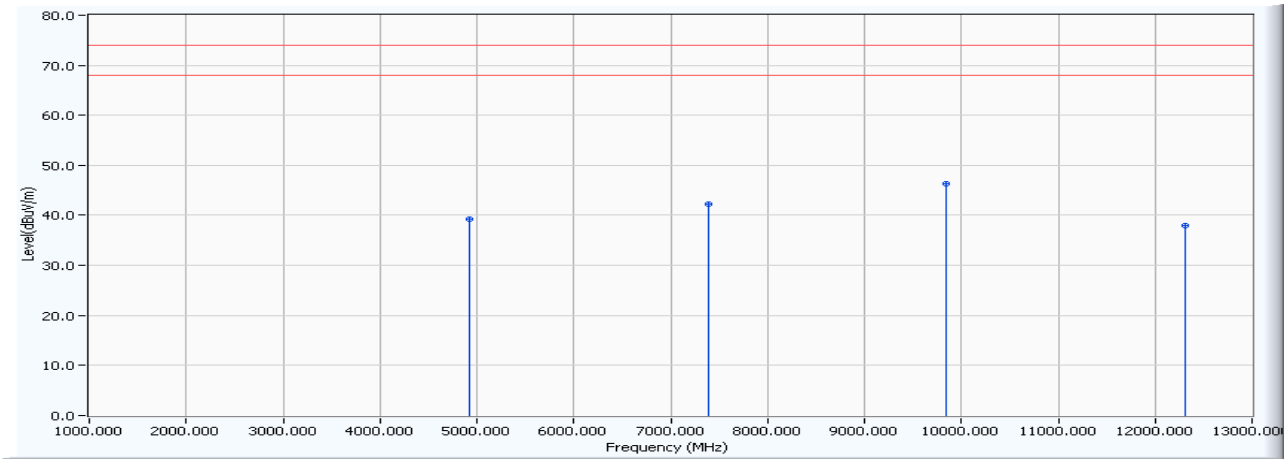


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)	Detector Type
1		4920.990	2.819	34.680	37.498	-36.502	74.000	54.000	PEAK
2	*	6565.210	6.690	42.730	49.419	-24.581	74.000	54.000	PEAK
3		7380.980	8.937	34.340	43.277	-30.723	74.000	54.000	PEAK
4		9861.050	15.350	32.860	48.210	-25.790	74.000	54.000	PEAK
5		12317.010	17.767	31.190	48.957	-25.043	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 1	Time : 2008/02/12 - 16:03
Limit : FCC_SpartC_15.247_H_03M_PK	Margin : 6
EUT : WIRELESS G ADSL2+ MODEM ROUTER	Probe : CB3_FCC_1-18G(2007) - HORIZONTAL
Power : AC 120V/60Hz	Note : Transmit-G-CH 11

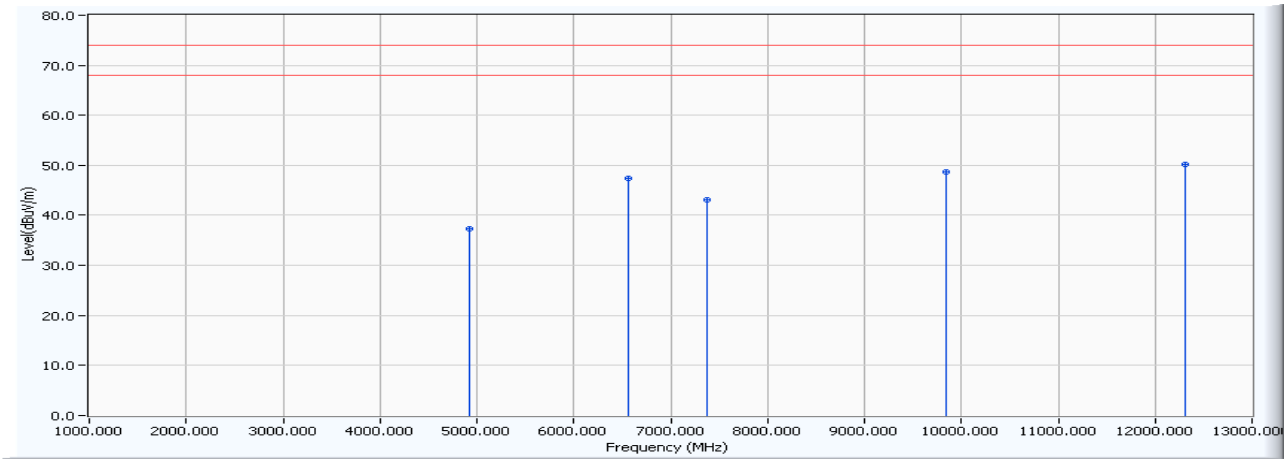


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)	Detector Type
1		4923.580	37.148	34.770	39.150	-34.850	74.000	54.000	PEAK
2		7384.800	42.536	33.370	42.312	-31.688	74.000	54.000	PEAK
3	*	9846.320	46.368	32.610	46.429	-27.571	74.000	54.000	PEAK
4		12311.930	38.843	31.310	38.053	-35.947	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 1	Time : 2008/02/12 - 16:10
Limit : FCC_SpartC_15.247_H_03M_PK	Margin : 6
EUT : WIRELESS G ADSL2+ MODEM ROUTER	Probe : CB3_FCC_1-18G(2007) - VERTICAL
Power : AC 120V/60Hz	Note : Transmit-G-CH 11



		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)	Detector Type
1		4922.790	2.827	34.460	37.288	-36.712	74.000	54.000	PEAK
2		6558.270	6.657	40.720	47.377	-26.623	74.000	54.000	PEAK
3		7383.100	8.940	34.130	43.070	-30.930	74.000	54.000	PEAK
4		9845.030	15.357	33.340	48.697	-25.303	74.000	54.000	PEAK
5	*	12309.000	17.923	32.280	50.202	-23.798	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.

5. RF antenna conducted test

5.1. Test Equipment

The following test equipments are used during the test:

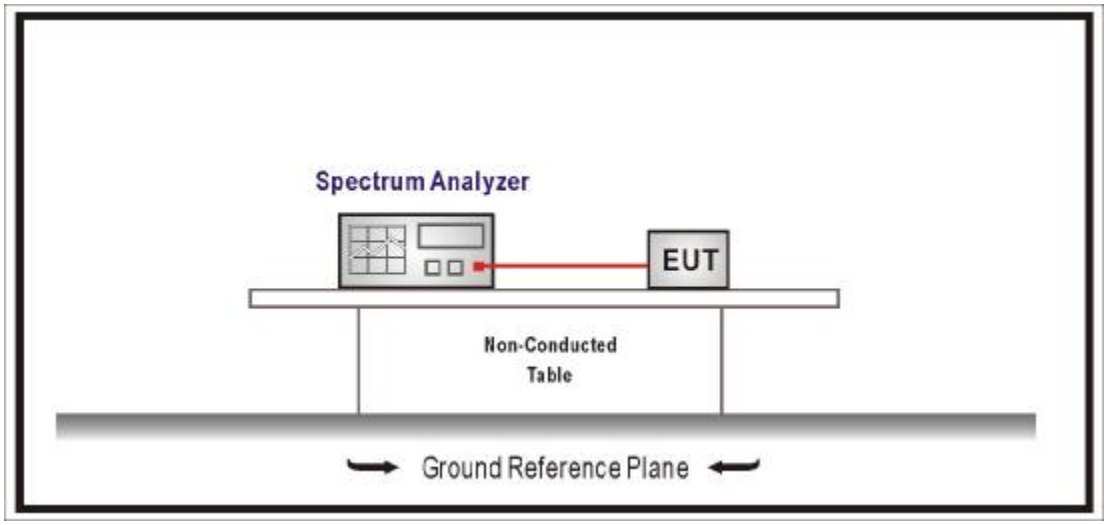
RF Conducted Measurement:				
Item	Equipment	Manufacturer	Model No. / Serial No.	Last Cal.
1	Spectrum Analyzer	R & S	FSP / 100561	Jan., 2008
2	No.1 OATS			Sep., 2007

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

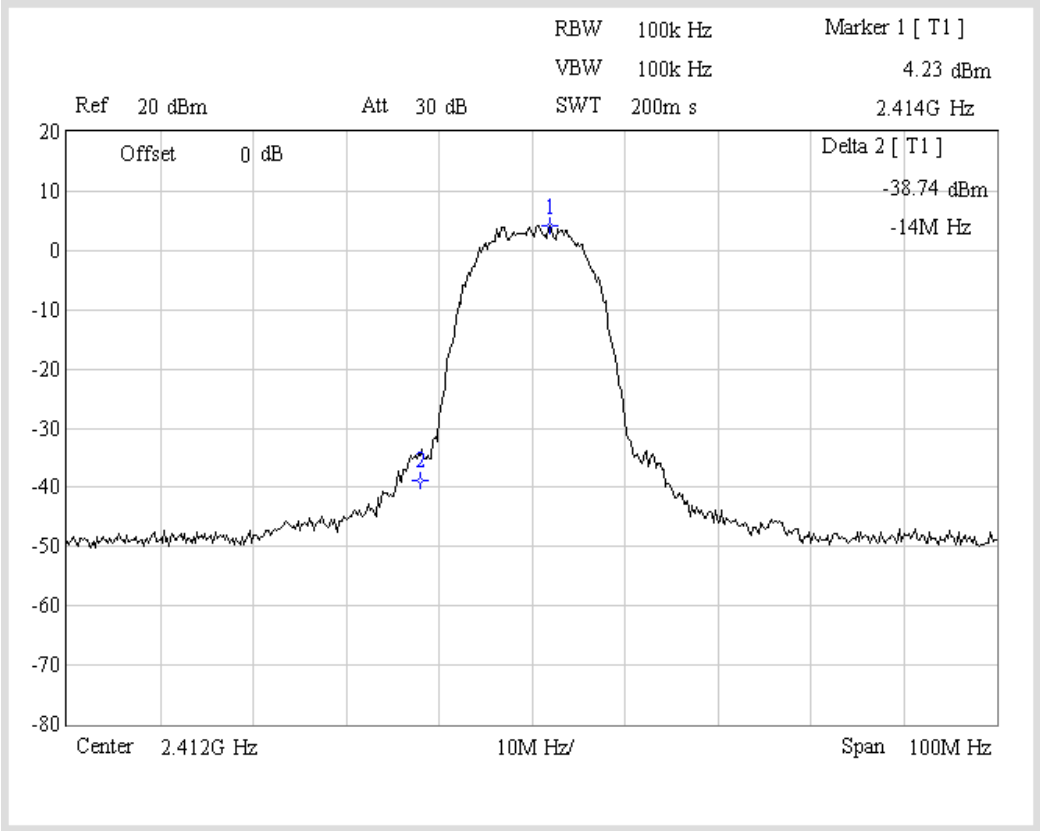
The measurement uncertainty
Conducted is defined as ± 1.27dB
Radiated is defined as ± 3.9dB

5.6. Test Result

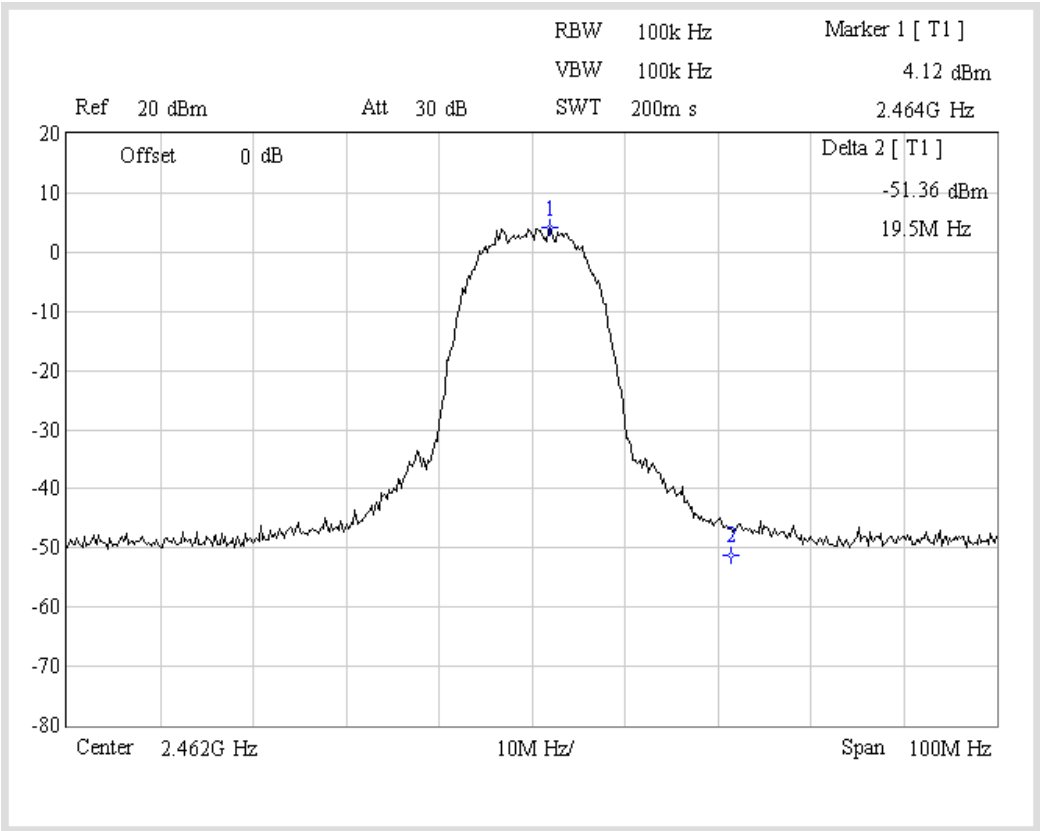
Product	WIRELESS G ADSL2+ MODEM ROUTER		
Test Item	RF antenna conducted test		
Test Mode	Transmit		
Date of Test	2008/02/14	Test Site	No.1 OATS

802.11 b				
Channel No.	Frequency (MHz)	Measurement Level (kHz)	Required Limit (kHz)	Result
1	2412.00	38.74	>30	Pass
11	2462.00	51.36	>30	Pass

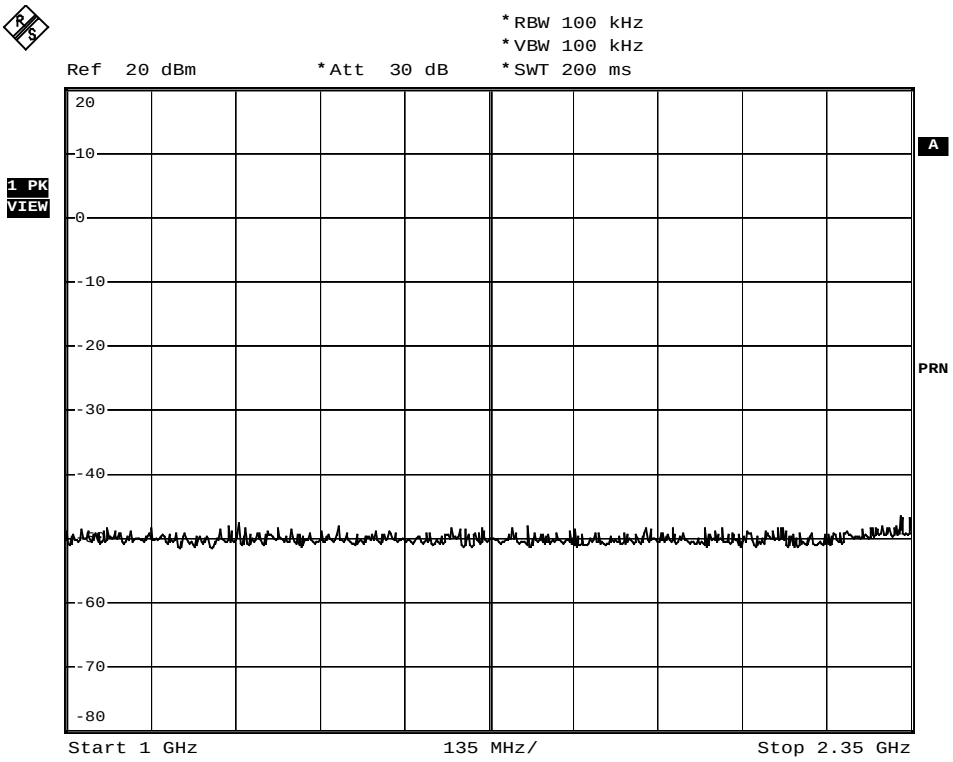
Channel 01 (2412MHz)



Channel 11 (2462MHz)

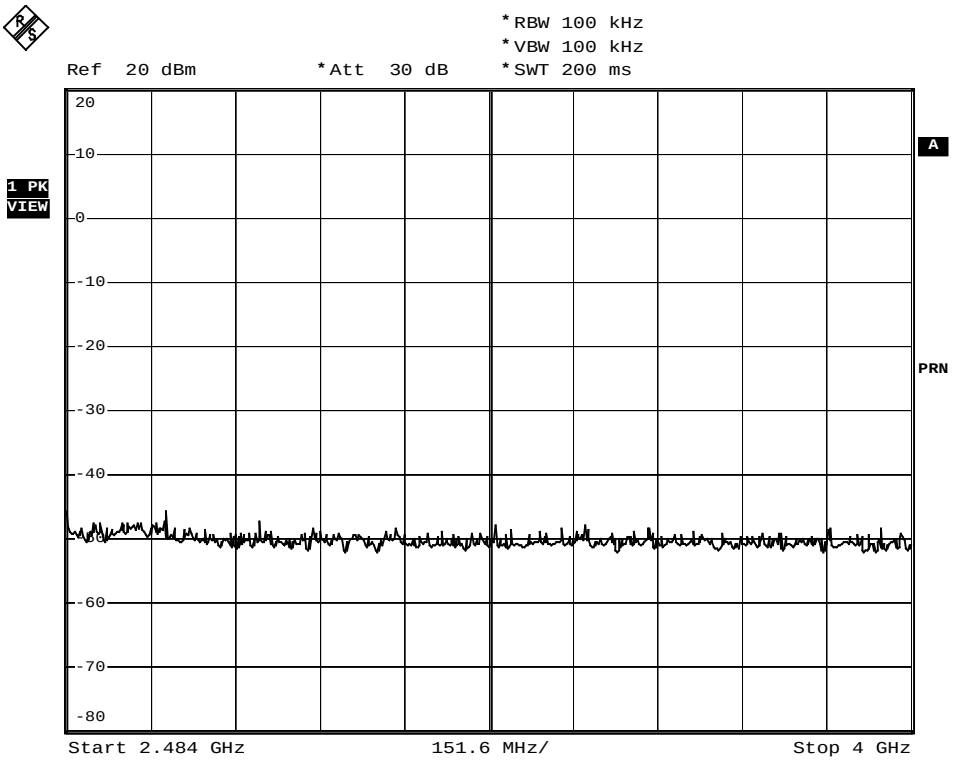


CH1-(1~2.35GHz)



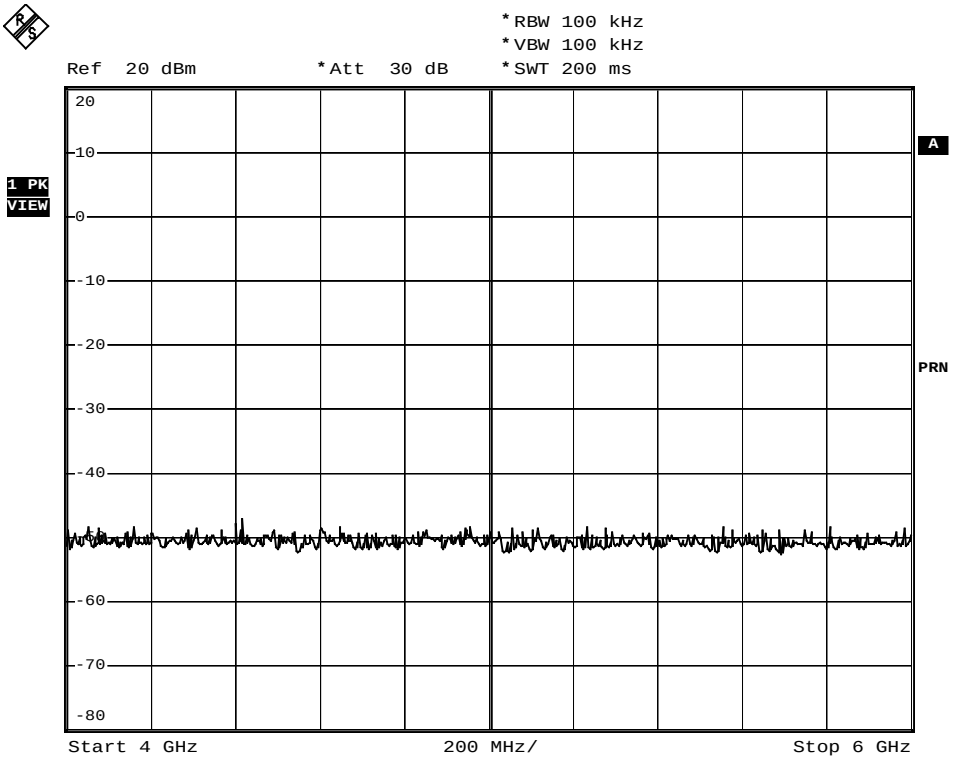
Date: 30.AUG.2008 16:10:30

CH11-(2.484GHz~4GHz)



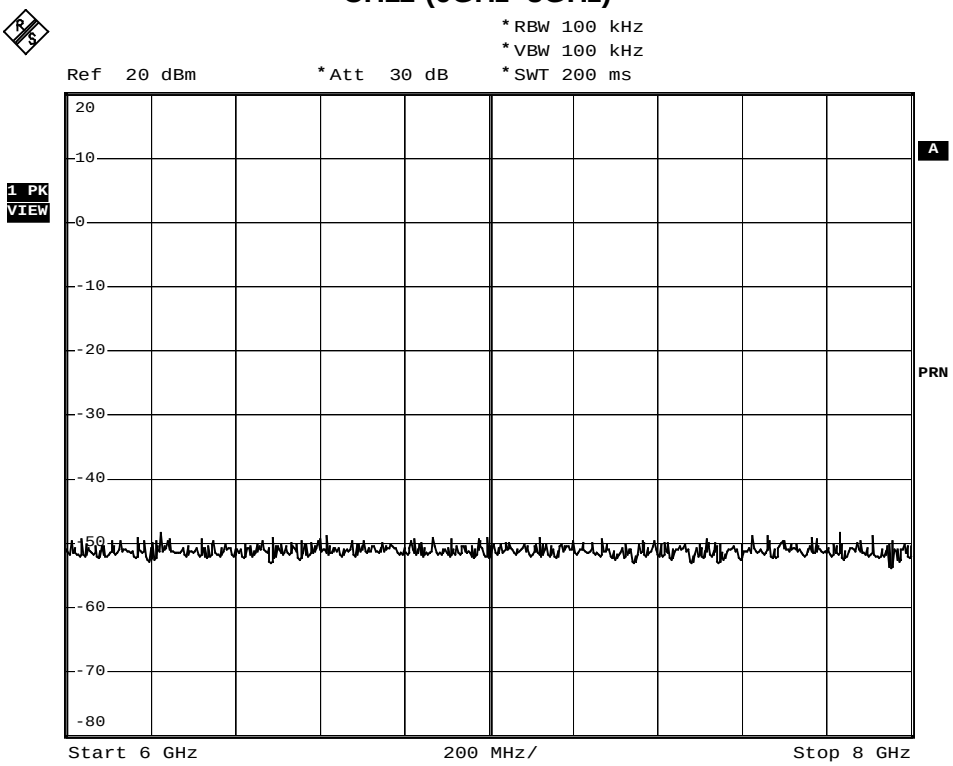
Date: 30.AUG.2008 16:12:14

CH11-(4GHz~6GHz)



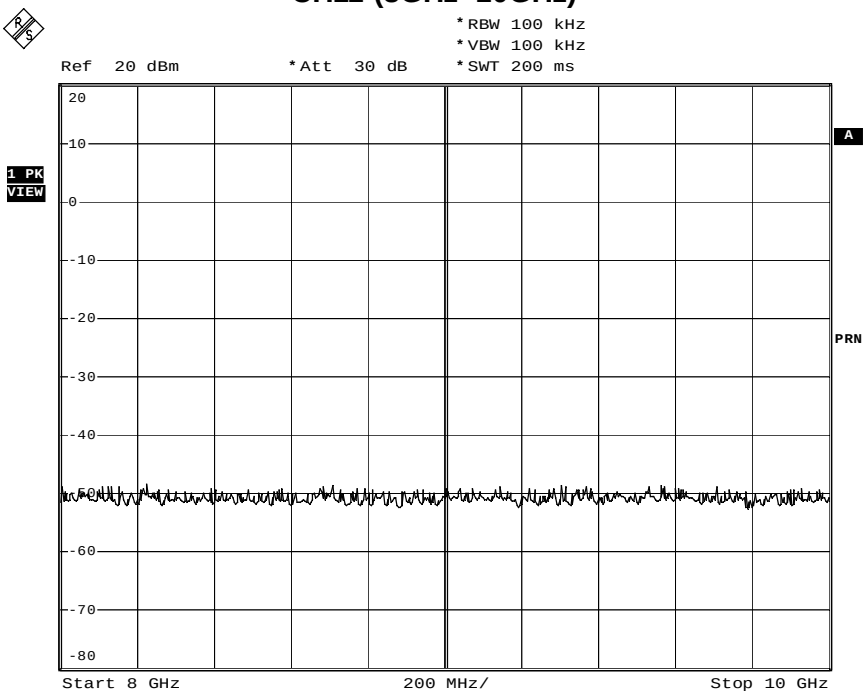
Date: 30.AUG.2008 16:12:52

CH11-(6GHz~8GHz)



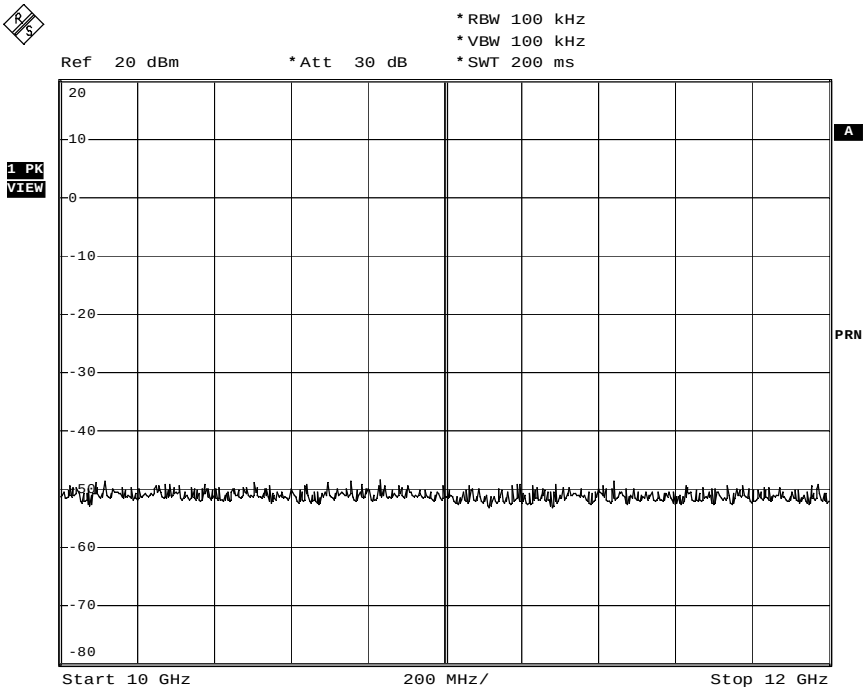
Date: 2.SEP.2008 13:25:48

CH11-(8GHz~10GHz)



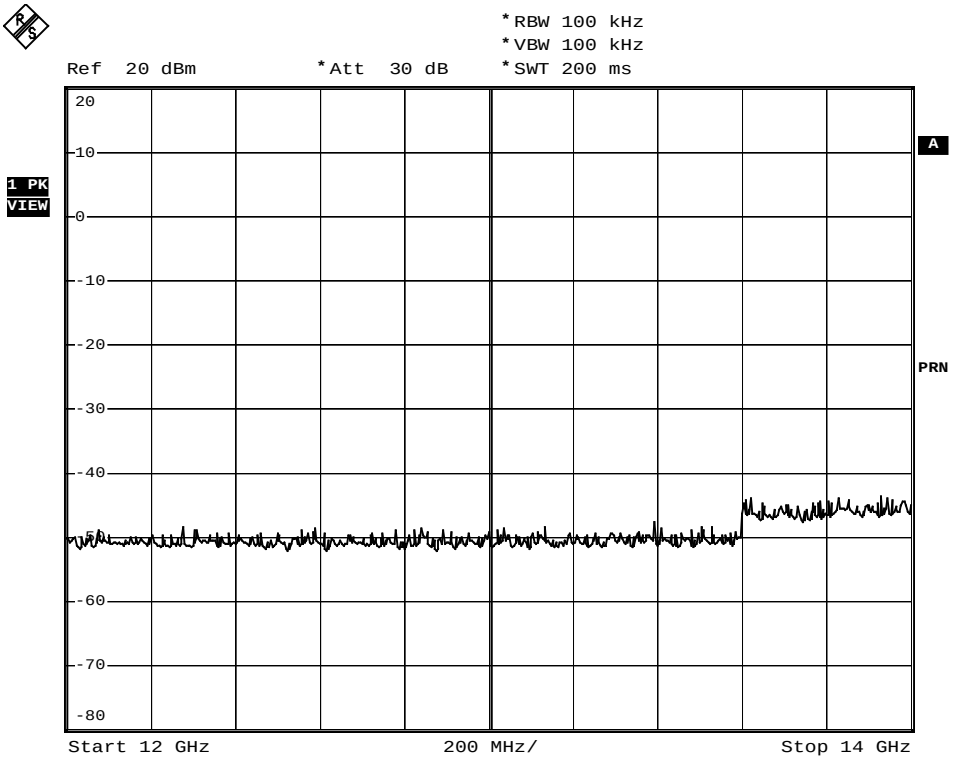
Date: 2.SEP.2008 13:26:09

CH11-(10GHz~12GHz)



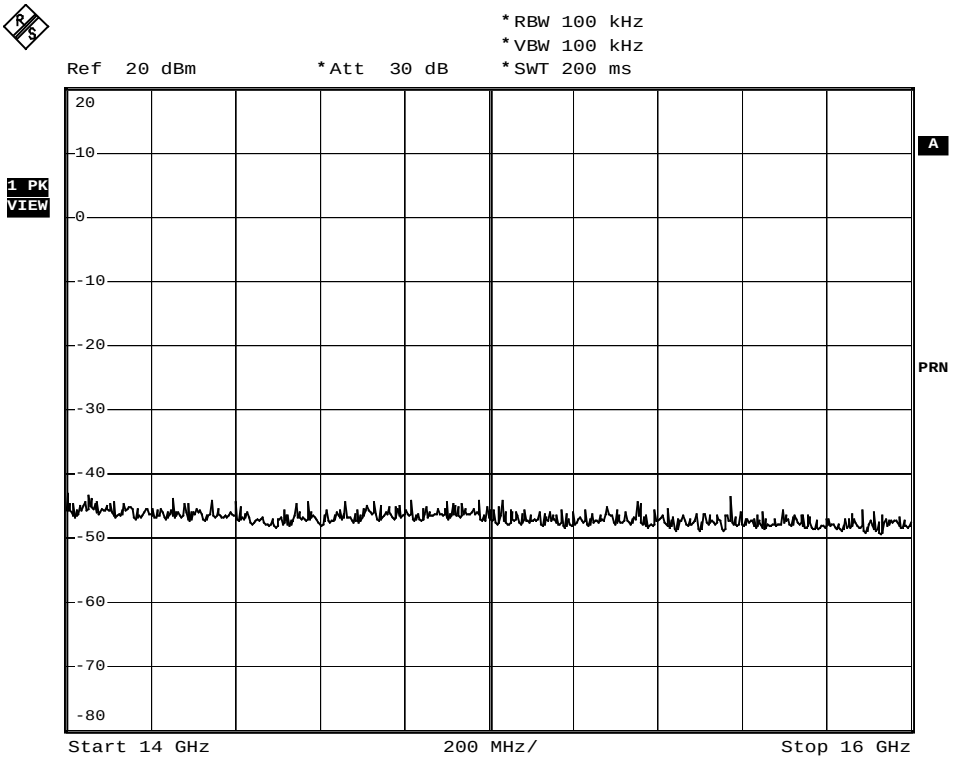
Date: 2.SEP.2008 13:26:33

CH11-(12GHz~14GHz)



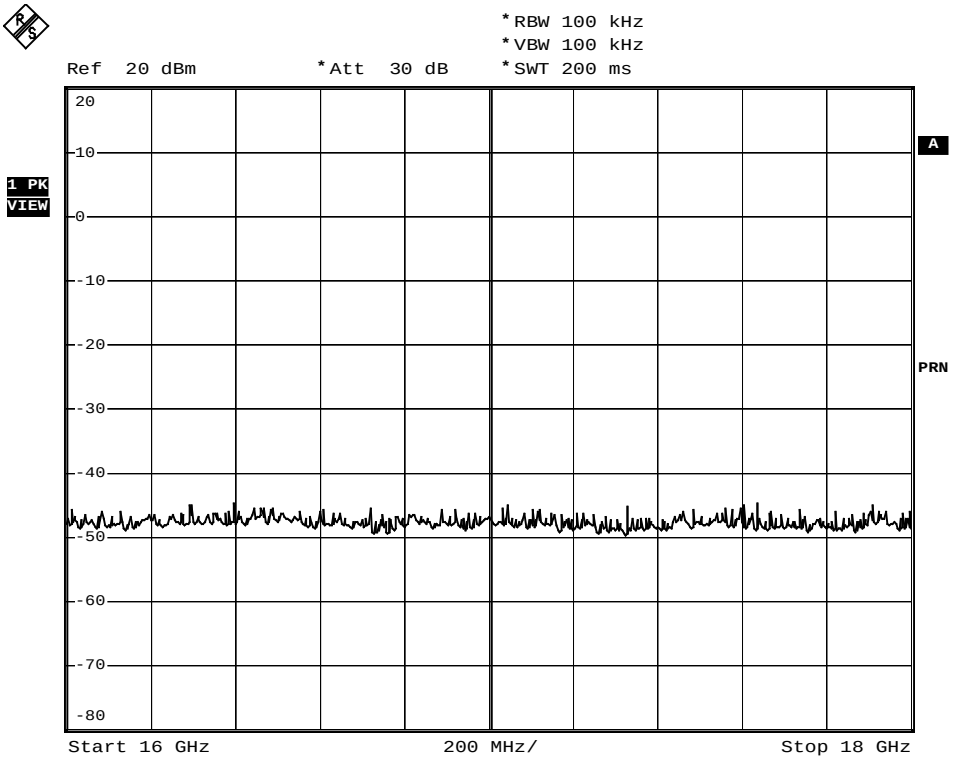
Date: 2.SEP.2008 13:27:04

CH11-(14GHz~16GHz)



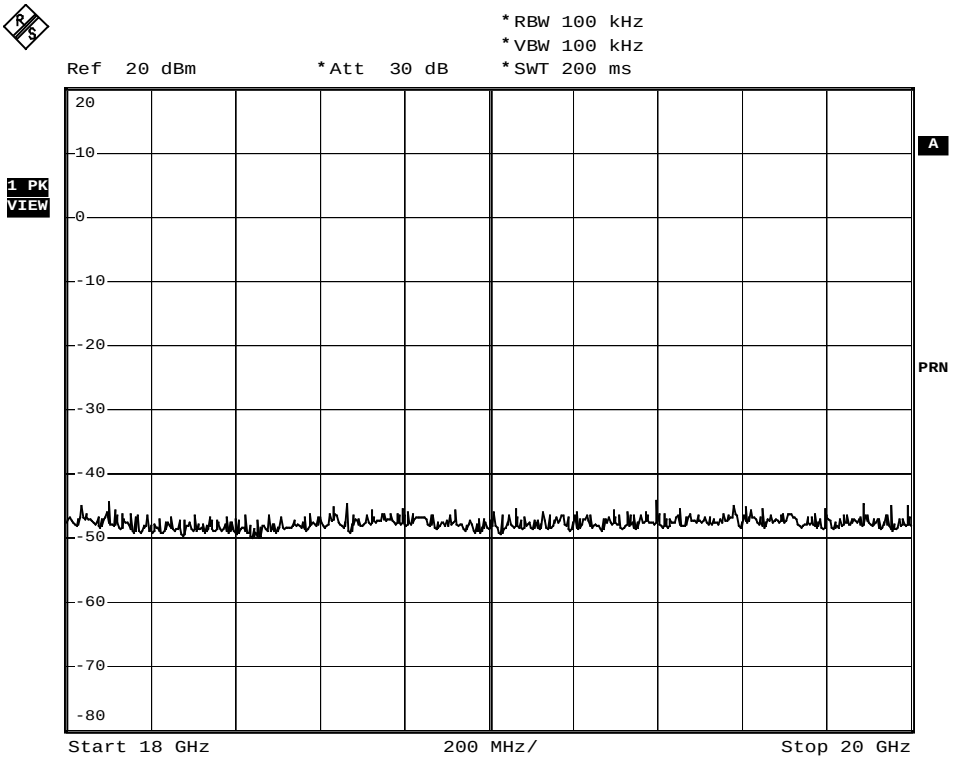
Date: 2.SEP.2008 13:27:34

CH11-(16GHz~18GHz)



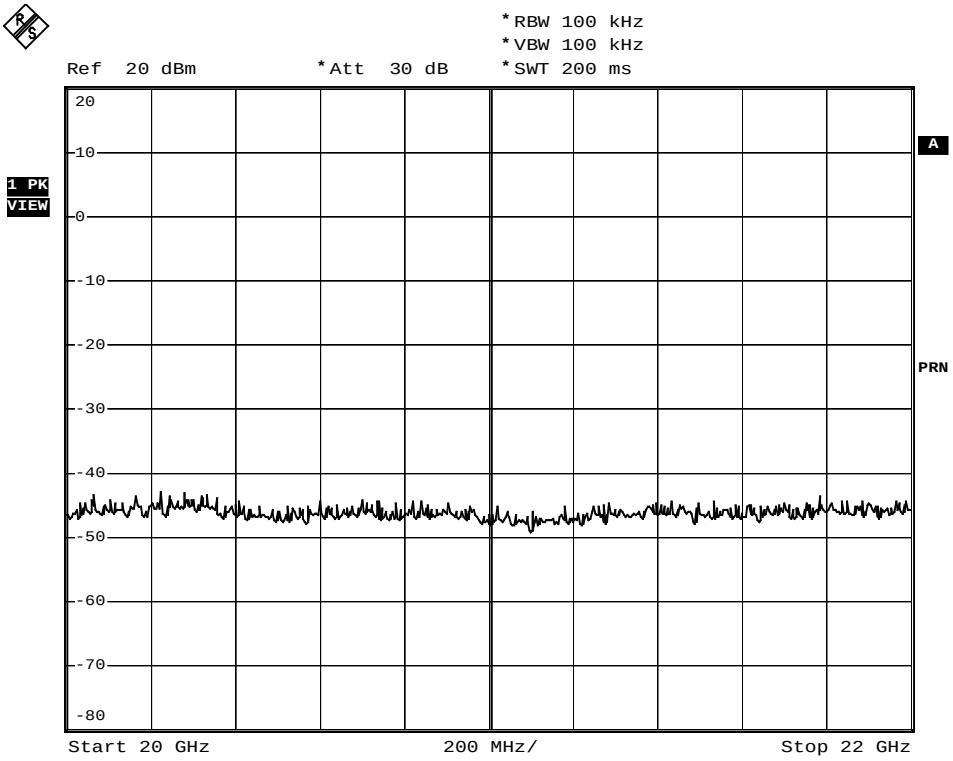
Date: 2.SEP.2008 13:28:00

CH11-(18GHz~20GHz)



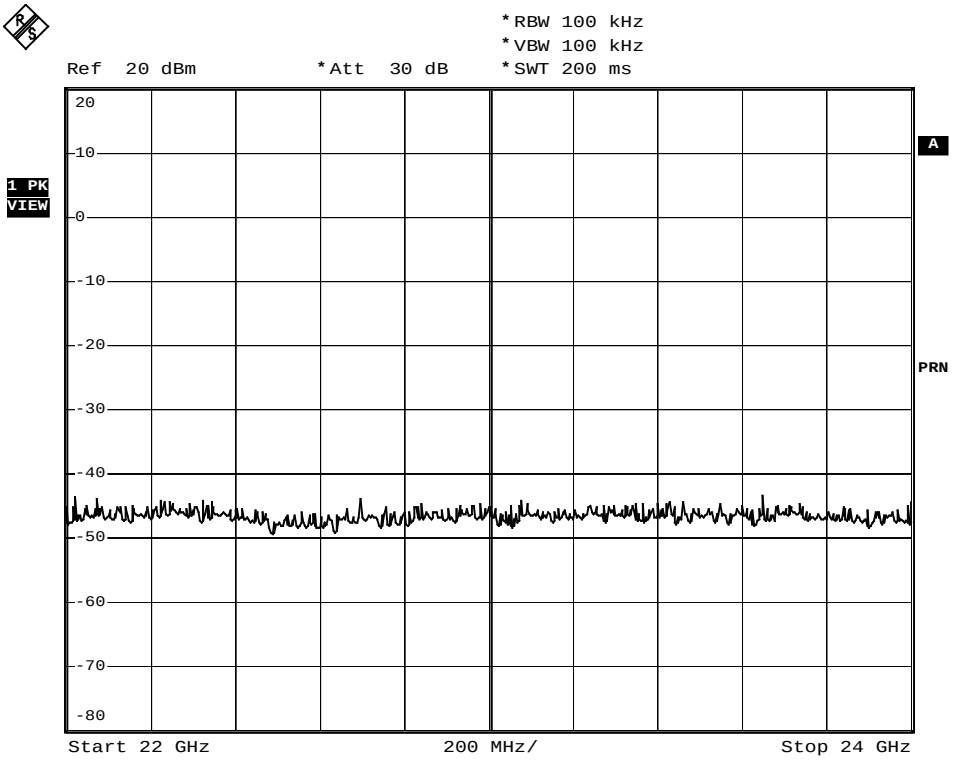
Date: 2.SEP.2008 13:28:36

CH11-(20GHz~22GHz)



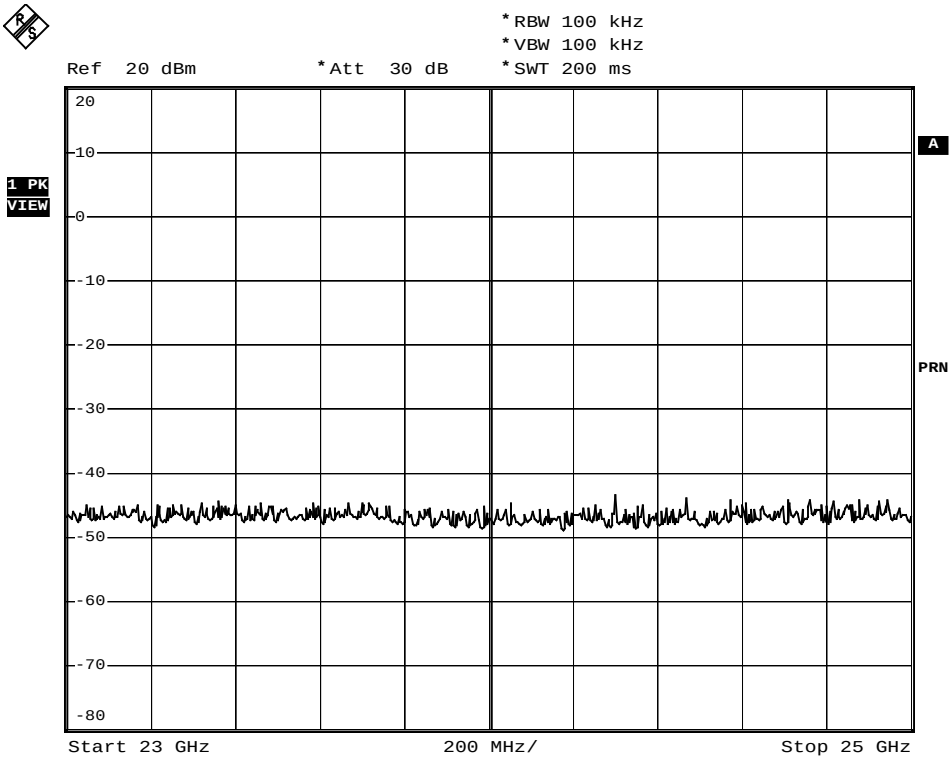
Date: 2.SEP.2008 13:29:03

CH11-(22GHz~24GHz)



Date: 2.SEP.2008 13:29:31

CH11-(23GHz~25GHz)



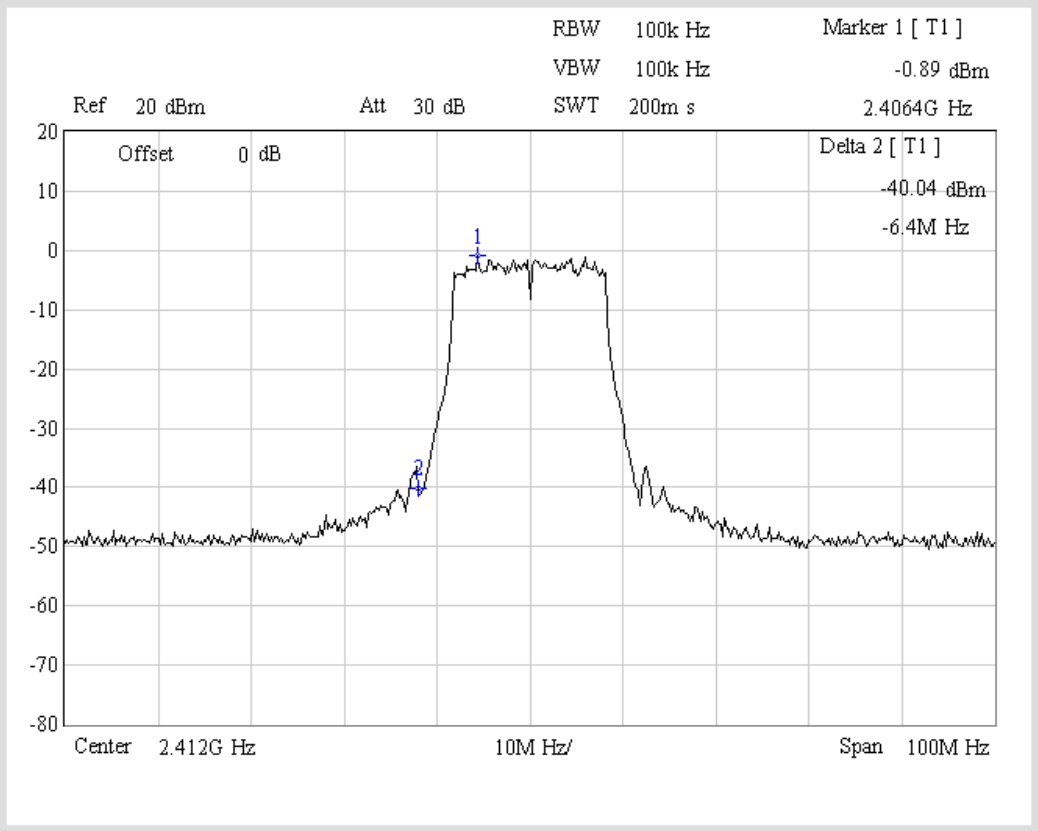
Date: 2.SEP.2008 13:31:41

Product	WIRELESS G ADSL2+ MODEM ROUTER		
Test Item	RF antenna conducted test		
Test Mode	Transmit		
Date of Test	2008/02/14	Test Site	No.1 OATS

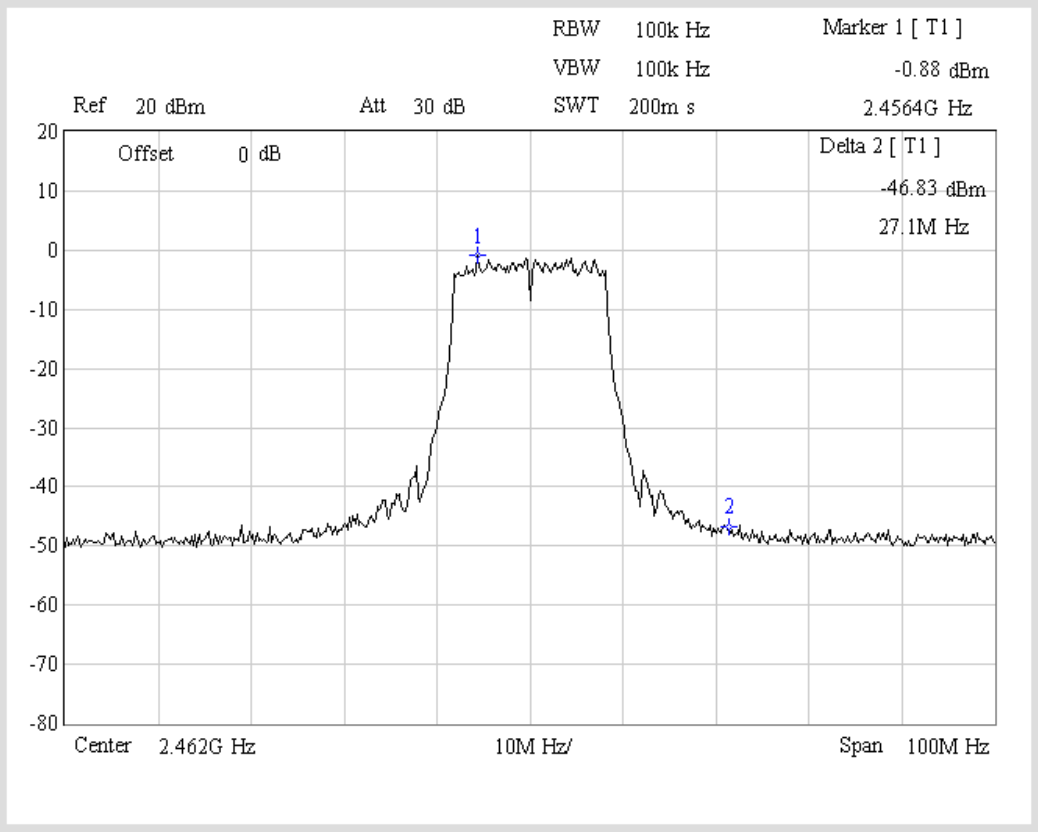
802.11 g

Channel No.	Frequency (MHz)	Measurement Level (kHz)	Required Limit (kHz)	Result
1	2412.00	40.04	>30	Pass
11	2462.00	46.83	>30	Pass

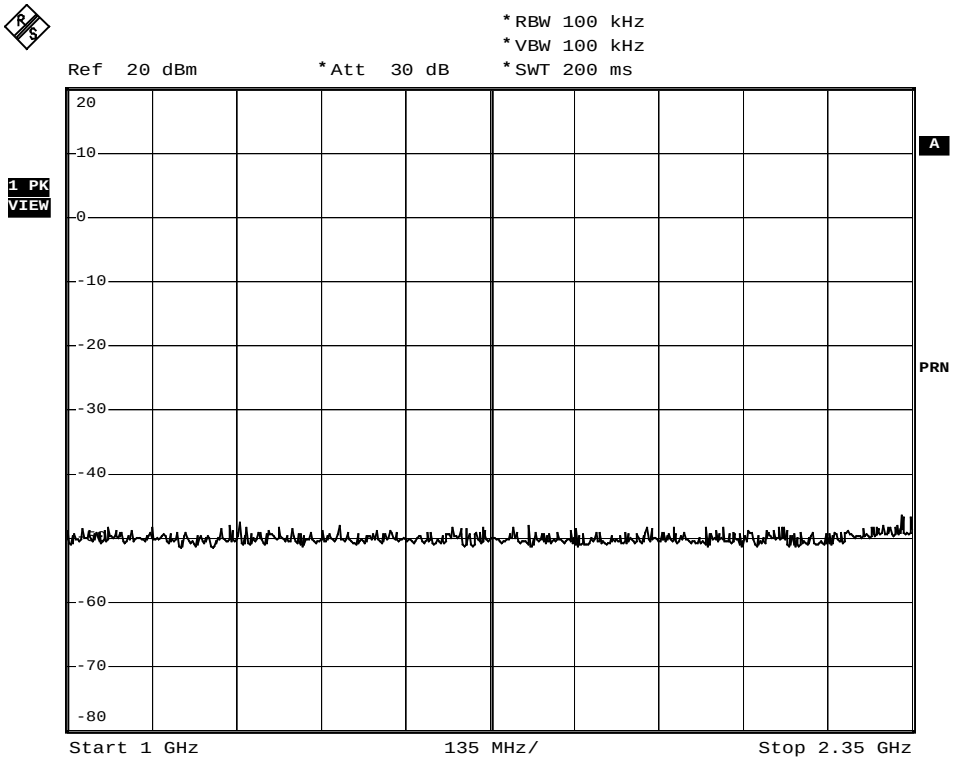
Channel 01 (2412MHz)



Channel 11 (2462MHz)

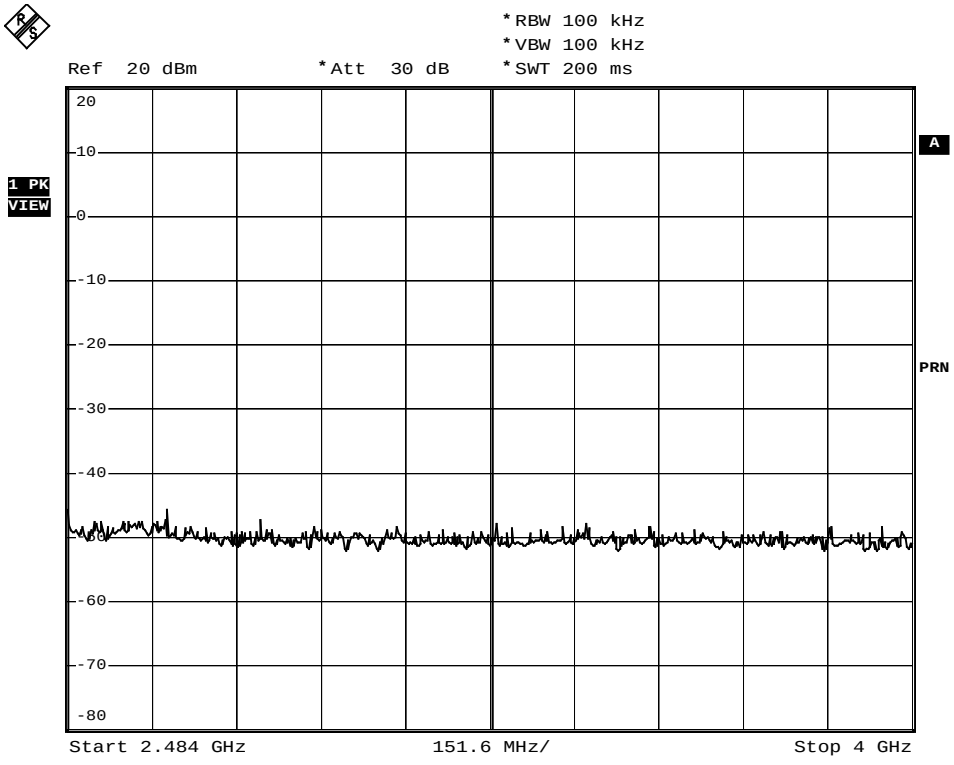


CH1-(1~2.35GHz)



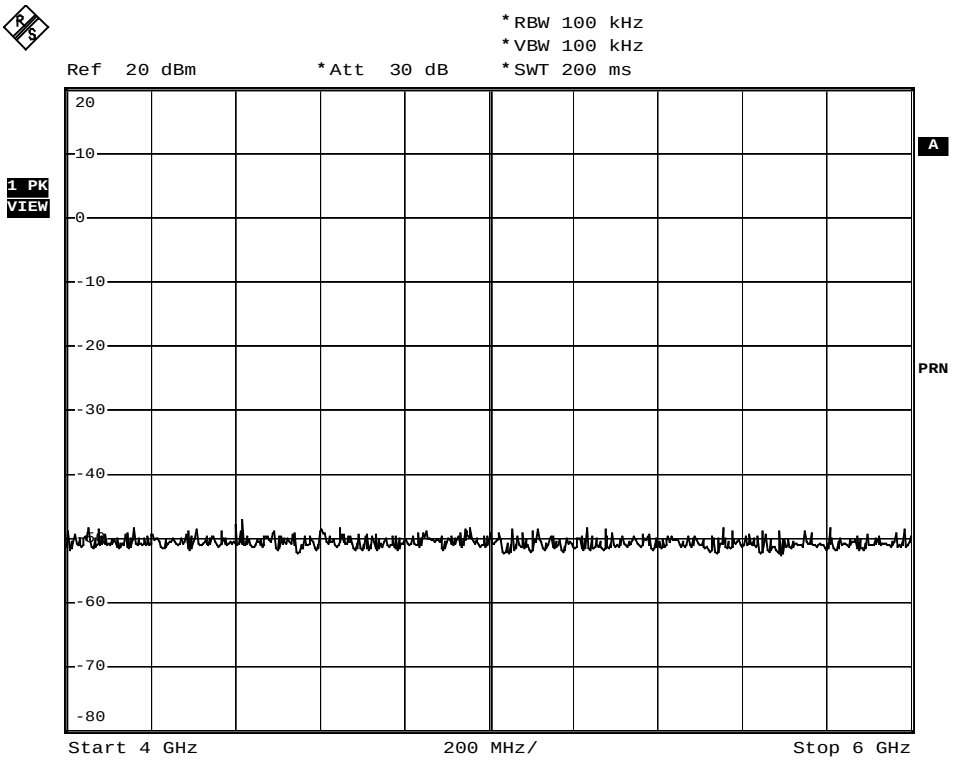
Date: 30.AUG.2008 16:10:30

CH11-(2.484GHz~4GHz)



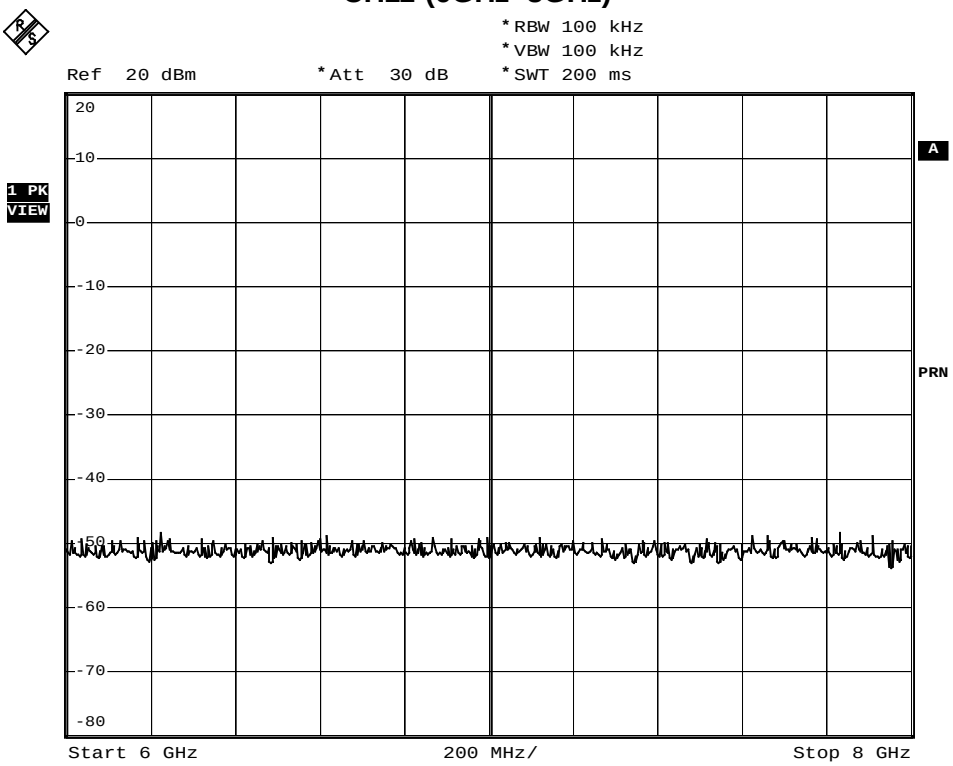
Date: 30.AUG.2008 16:12:14

CH11-(4GHz~6GHz)



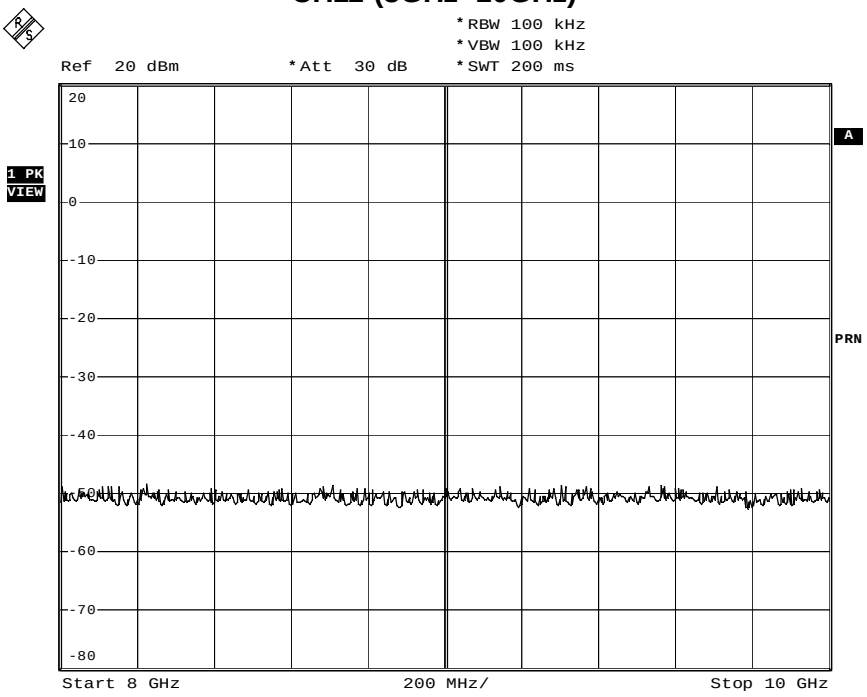
Date: 30.AUG.2008 16:12:52

CH11-(6GHz~8GHz)



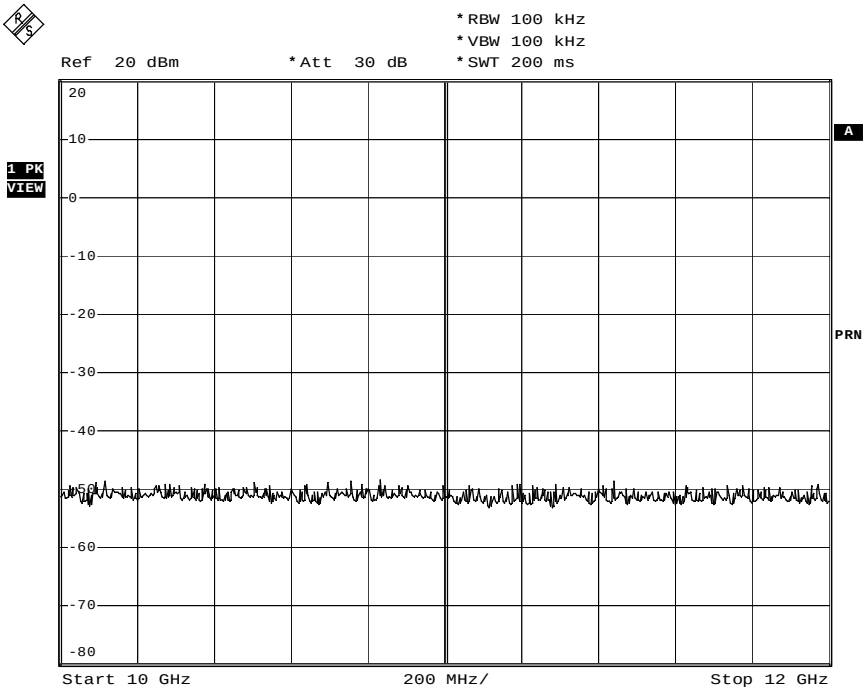
Date: 2.SEP.2008 13:25:48

CH11-(8GHz~10GHz)



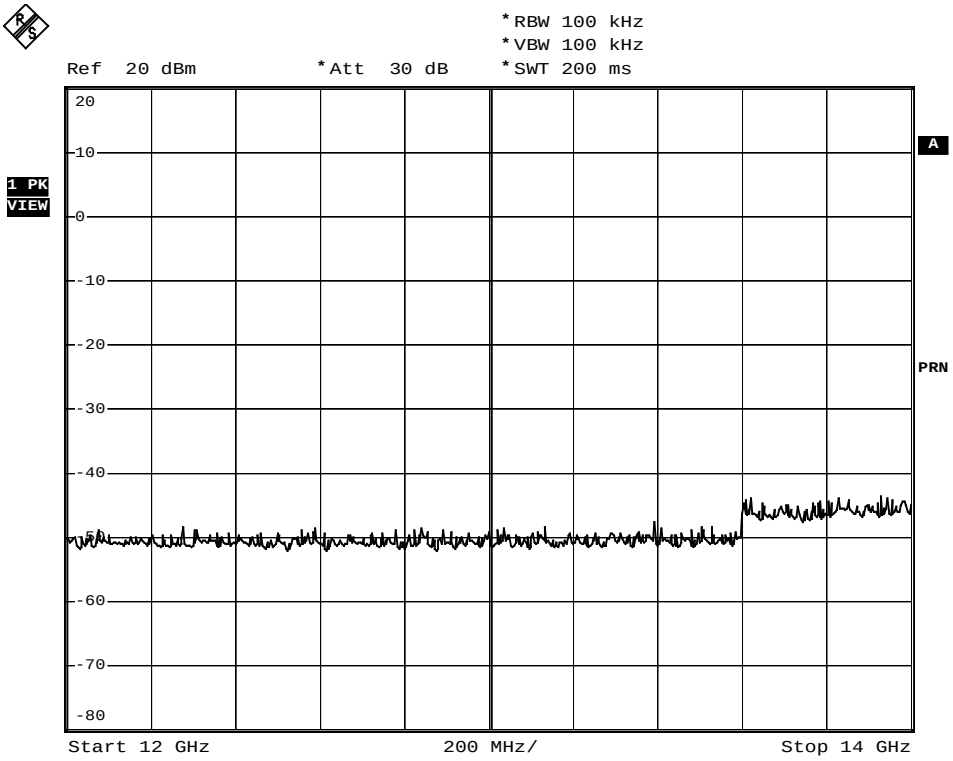
Date: 2.SEP.2008 13:26:09

CH11-(10GHz~12GHz)



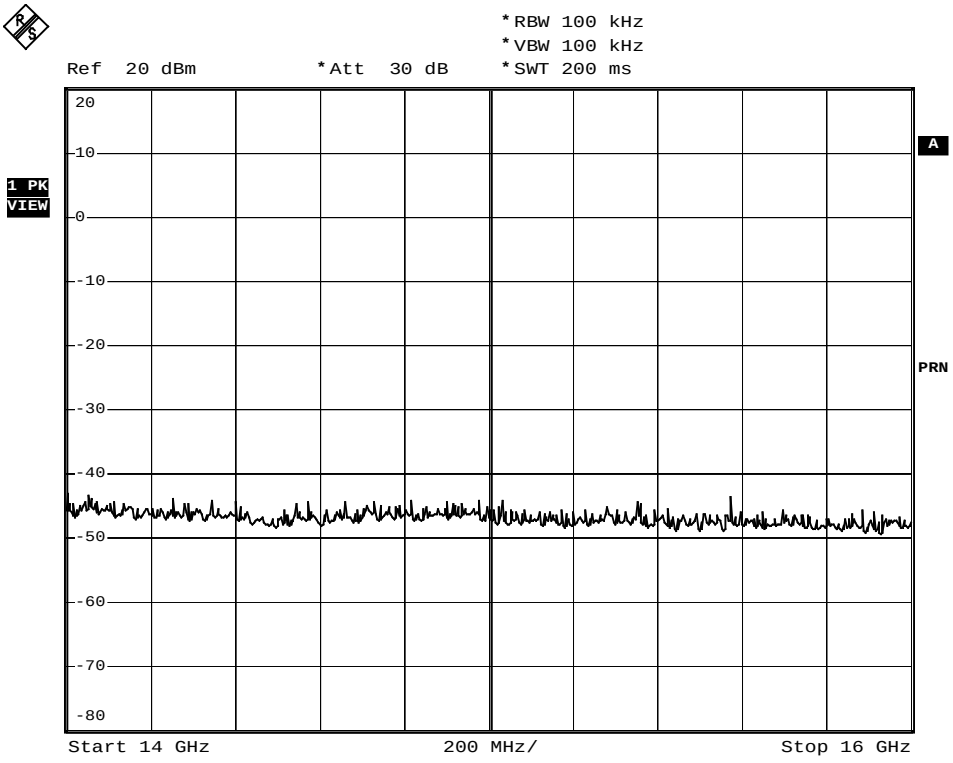
Date: 2.SEP.2008 13:26:33

CH11-(12GHz~14GHz)



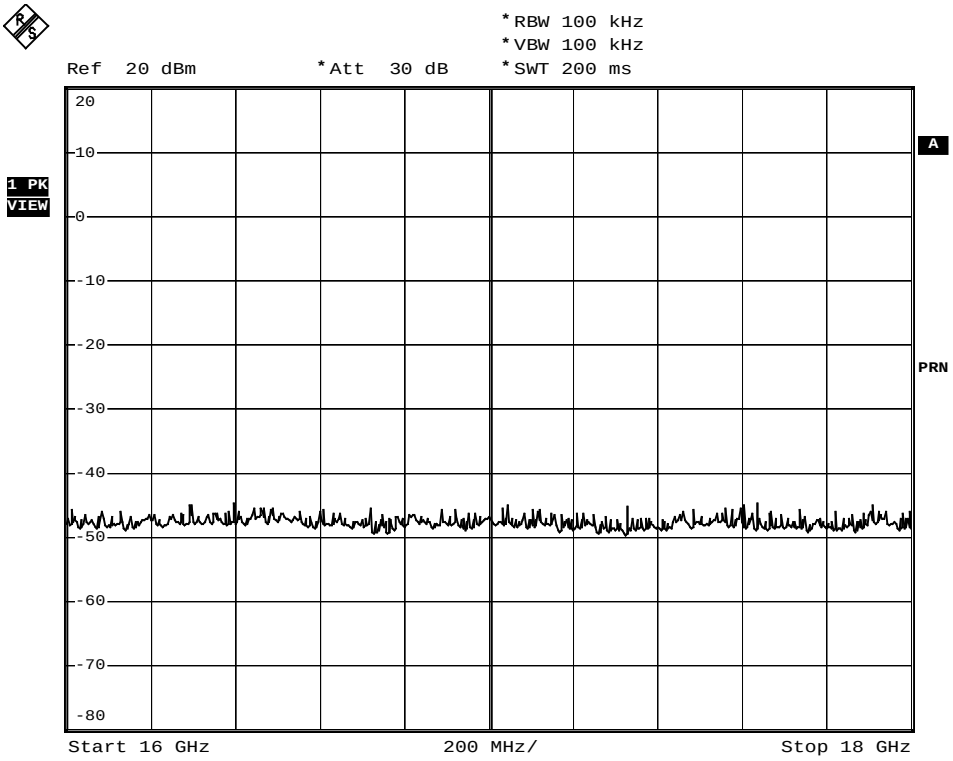
Date: 2.SEP.2008 13:27:04

CH11-(14GHz~16GHz)



Date: 2.SEP.2008 13:27:34

CH11-(16GHz~18GHz)



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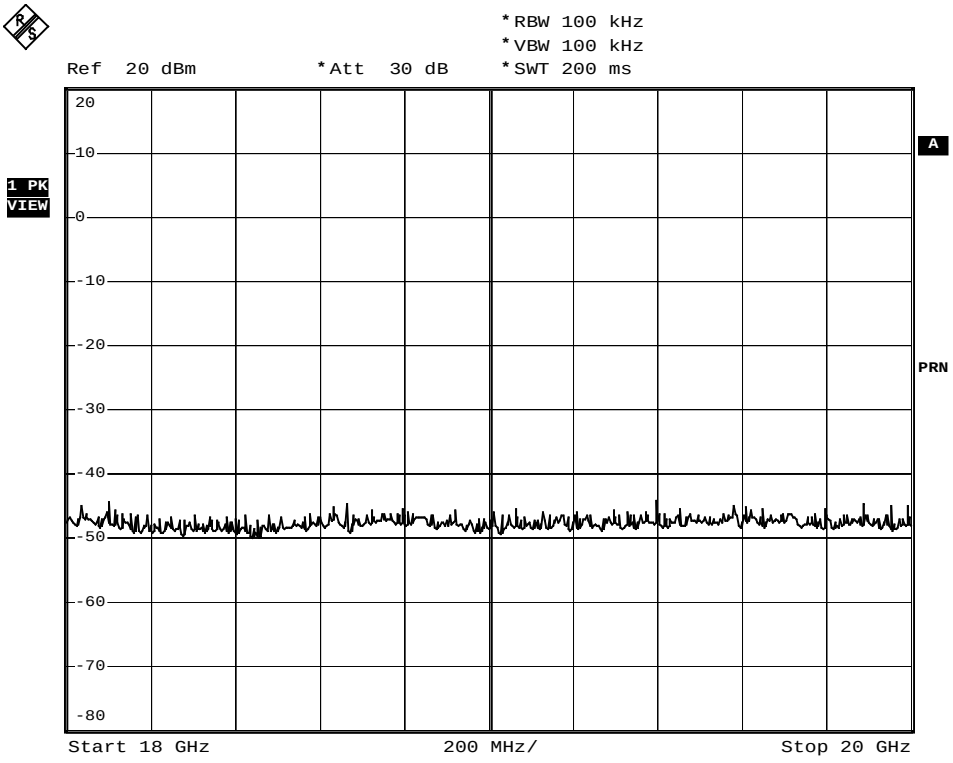
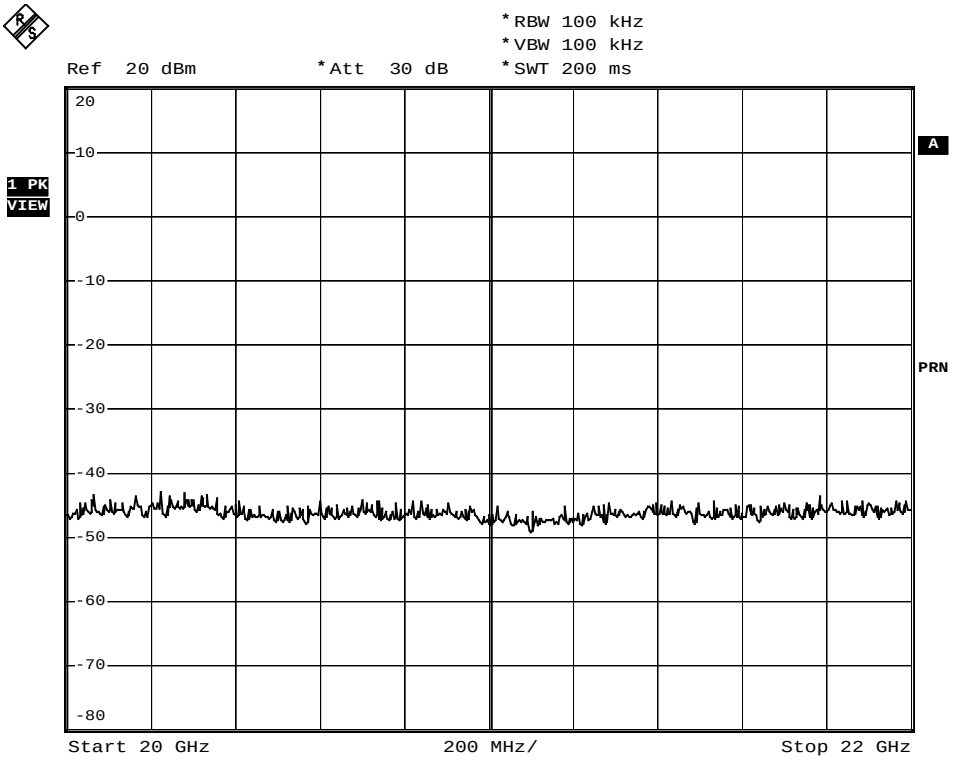
CH11-(18GHz~20GHz)



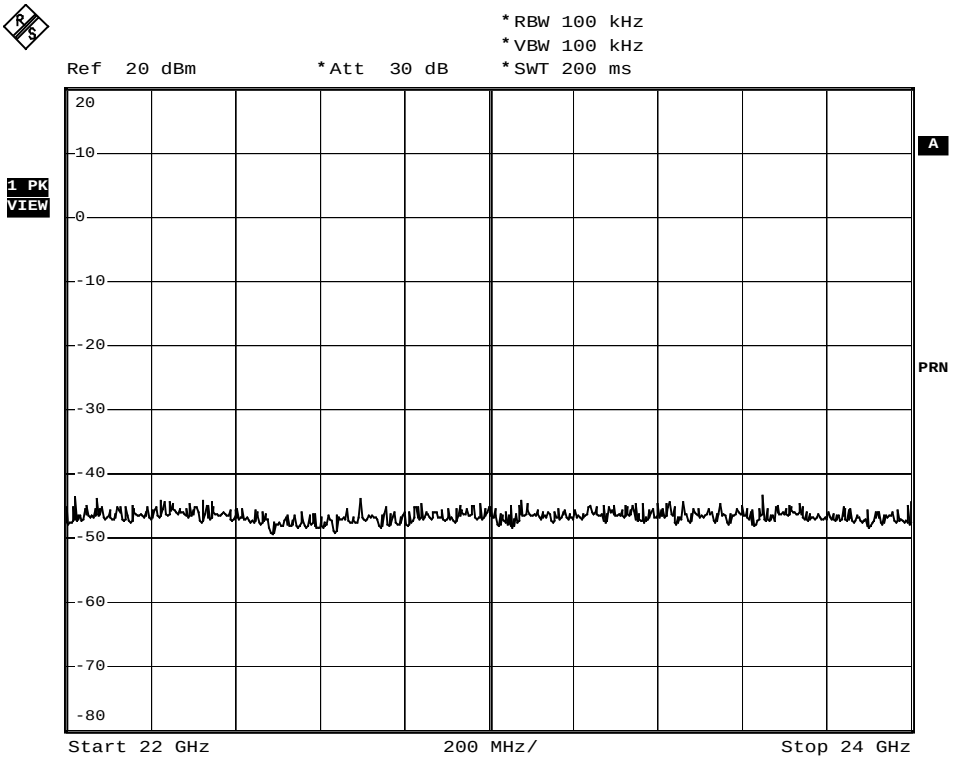
Date: 2.SEP.2008 13:28:36

CH11-(20GHz~22GHz)



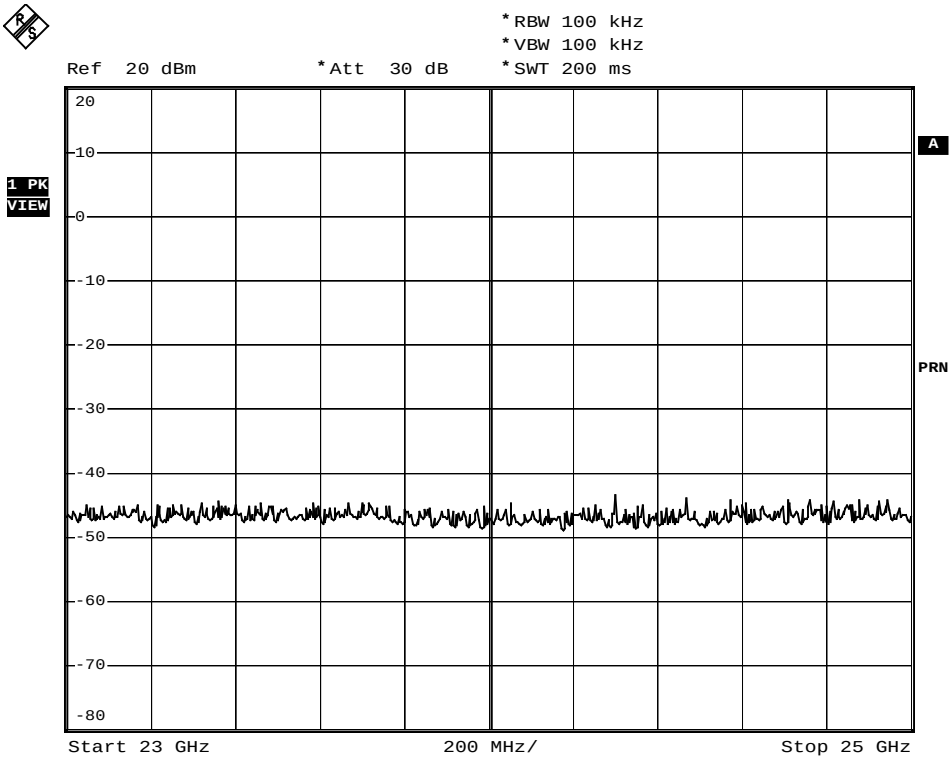
Date: 2.SEP.2008 13:29:03

CH11-(22GHz~24GHz)



Date: 2.SEP.2008 13:29:31

CH11-(23GHz~25GHz)



Date: 2.SEP.2008 13:31:41

6. Band Edge

6.1. Test Equipment

The following test equipments are used during the test:

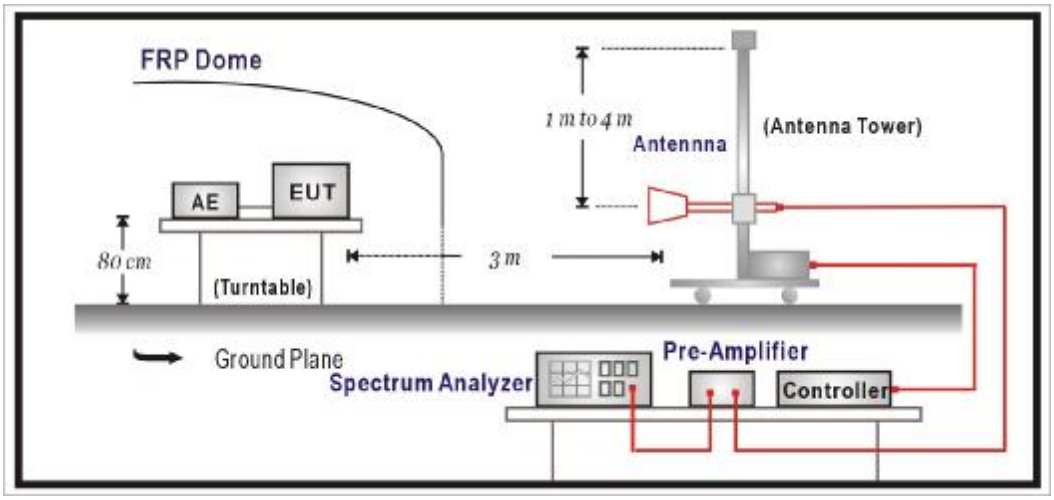
RF Radiated Measurement:					
Item	Equipment		Manufacturer	Model No. / Serial No.	Last Cal.
1	X	Spectrum Analyzer	R & S	FSP40 / 100005	Aug., 2007
2	X	Pre-Amplifier	HP	8449B / 3008A01123	Feb., 2008
3		Loop Antenna	R & S	HFH2-Z2 / 833799/004	Sep., 2007
4		BiconiLog Antenna	Schwarzbeck	VULB 9166 / 1061	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

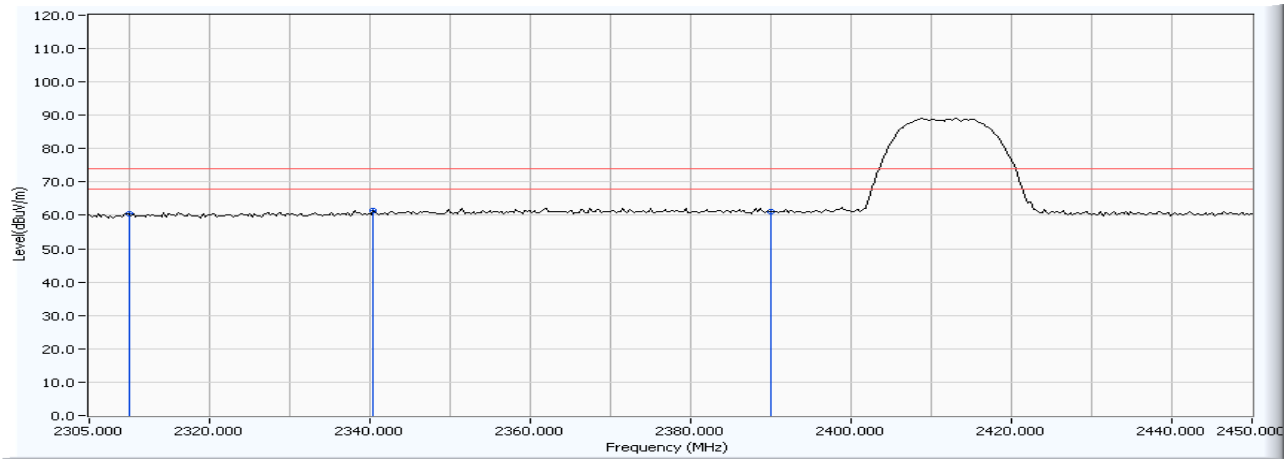
The measurement uncertainty

± 3.9 dB above 1GHz

6.6. Test Result

Radiated is defined as

Site : Site 1	Time : 2008/02/14 - 14:49
Limit : FCC_15.209(961011)_03M_PK	Margin : 6
EUT : WIRELESS G ADSL2+ MODEM ROUTER	Probe : CB3_FCC_1-18G(2007) - HORIZONTAL
Power : AC 120V / 60Hz	Note : B-CH1

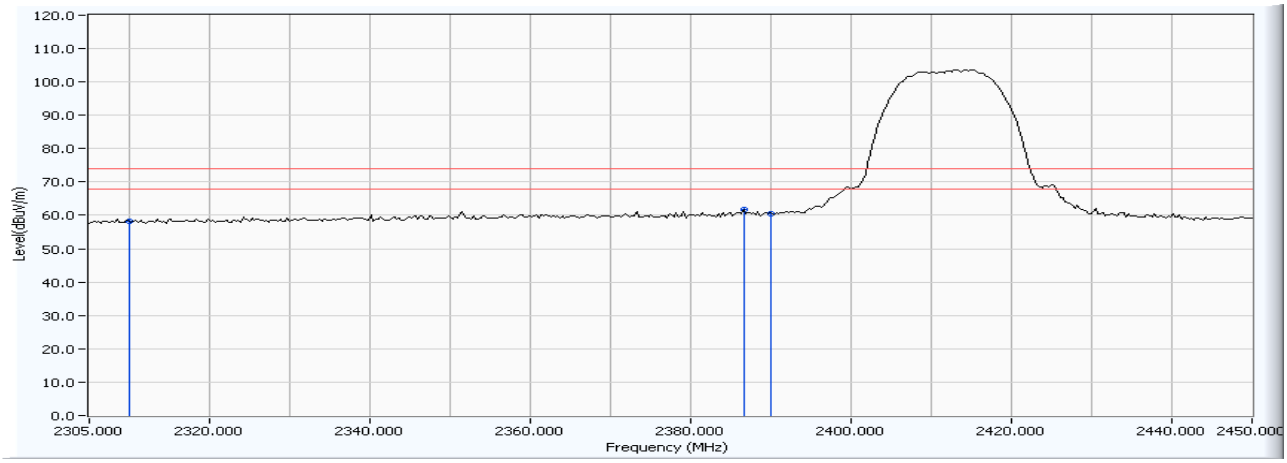


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)	Detector Type
1		2310.000	30.412	29.949	60.360	-13.640	74.000	54.000	PEAK
2	*	2340.451	30.456	31.013	61.469	-12.531	74.000	54.000	PEAK
3		2390.000	30.543	30.535	61.078	-12.922	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 : 2008/02/14 - 14:24
Limit : FCC_15.209(961011)_03M_PK	Margin : 6
EUT : WIRELESS G ADSL2+ MODEM ROUTER	Probe : CB3_FCC_1-18G(2007) - VERTICAL
Power : AC 120V / 60Hz	Note : B-CH1

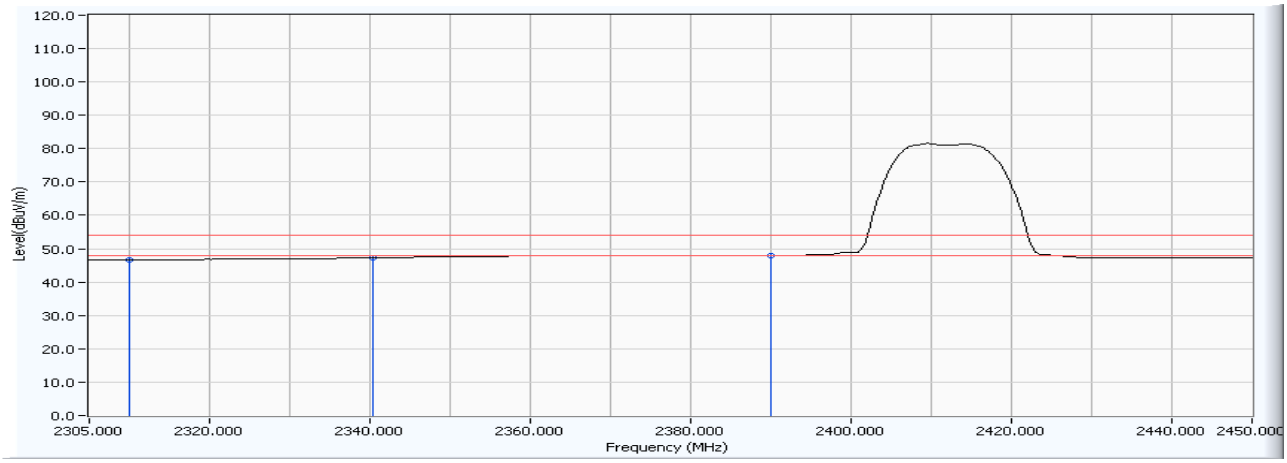


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)	Detector Type
1		2310.000	28.433	29.757	58.190	-15.810	74.000	54.000	PEAK
2	*	2386.653	28.710	32.977	61.687	-12.313	74.000	54.000	PEAK
3		2390.000	28.724	31.855	60.579	-13.421	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 : 2008/02/14 - 14:54
Limit : FCC_15.209(961011)_03M_AV	Margin : 6
EUT : WIRELESS G ADSL2+ MODEM ROUTER	Probe : CB3_FCC_1-18G(2007) - HORIZONTAL
Power : AC 120V / 60Hz	Note : B-CH1

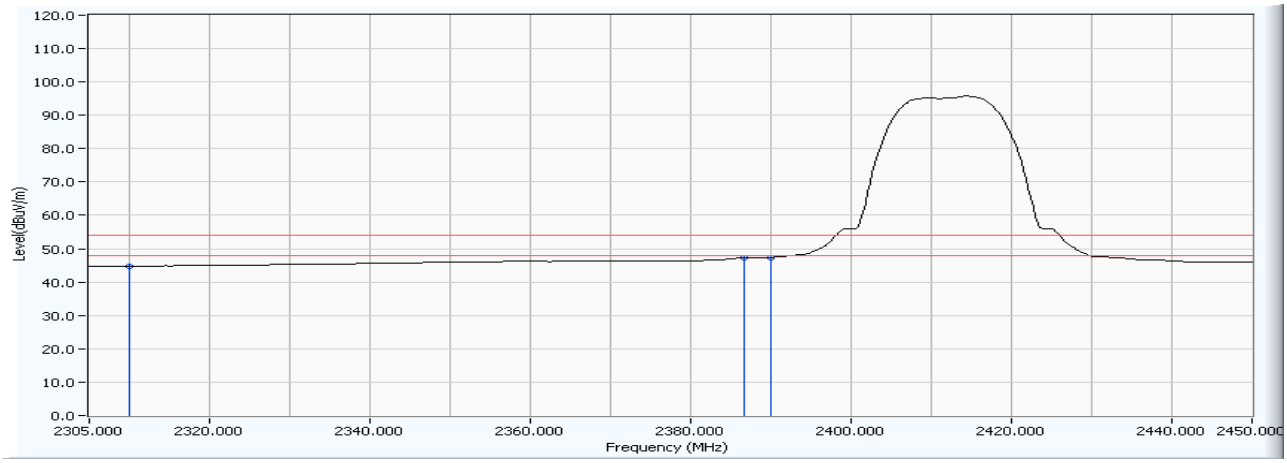


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)	Detector Type
1		2310.000	30.412	16.241	46.652	-7.348	74.000	54.000	AVERAGE
2	*	2340.451	30.456	16.929	47.385	-6.615	74.000	54.000	AVERAGE
3		2390.000	30.543	17.477	48.020	-5.980	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 : 2008/02/14 - 14:28
Limit : FCC_15.209(961011)_03M_AV	Margin : 6
EUT : WIRELESS G ADSL2+ MODEM ROUTER	Probe : CB3_FCC_1-18G(2007) - VERTICAL
Power : AC 120V / 60Hz	Note : B-CH1

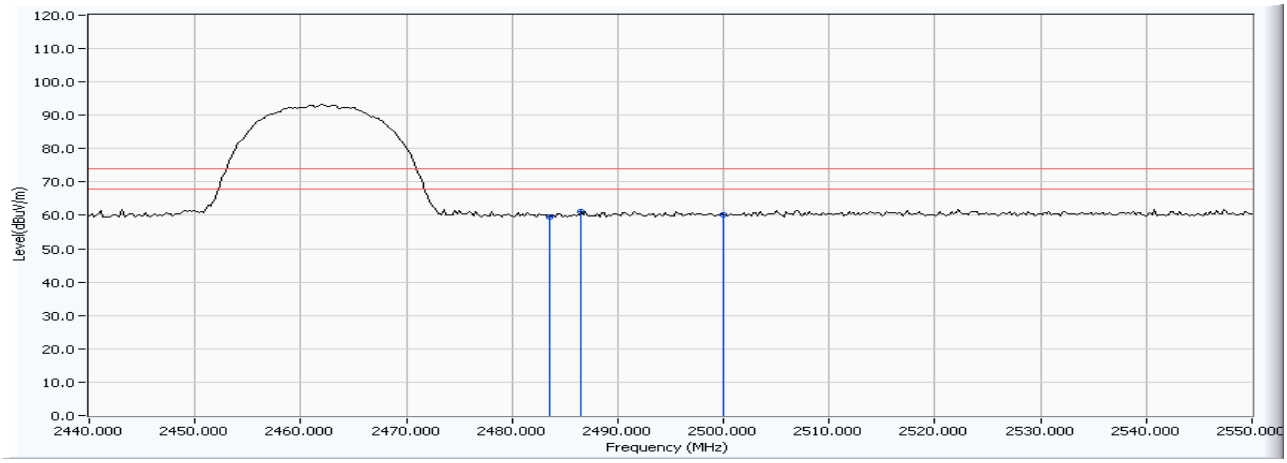


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)	Detector Type
1		2310.000	28.433	16.336	44.769	-9.231	74.000	54.000	AVERAGE
2	*	2386.653	28.710	18.517	47.227	-6.773	74.000	54.000	AVERAGE
3		2390.000	28.724	18.653	47.377	-6.623	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 : 2008/02/14 - 17:19
Limit : FCC_15.209(961011)_03M_PK	Margin : 6
EUT : WIRELESS G ADSL2+ MODEM ROUTER	Probe : CB3_FCC_1-18G(2007) - HORIZONTAL
Power : AC 120V / 60Hz	Note : B-CH11

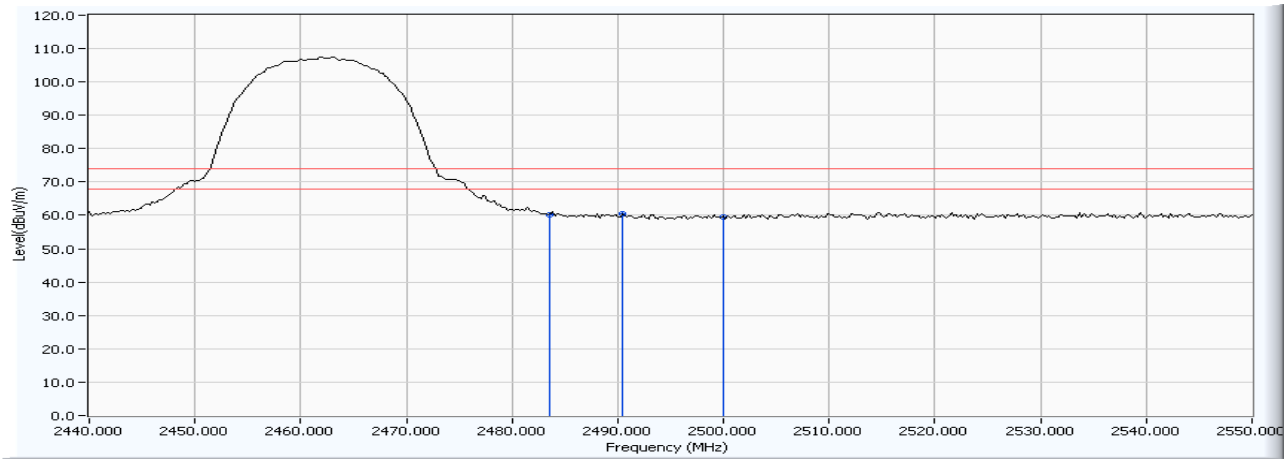


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)	Detector Type
1		2483.500	30.696	28.966	59.661	-14.339	74.000	54.000	PEAK
2	*	2486.513	30.698	30.500	61.199	-12.801	74.000	54.000	PEAK
3		2500.000	30.722	29.433	60.155	-13.845	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 : 2008/02/14 - 16:29
Limit : FCC_15.209(961011)_03M_PK	Margin : 6
EUT : WIRELESS G ADSL2+ MODEM ROUTER	Probe : CB3_FCC_1-18G(2007) - VERTICAL
Power : AC 120V / 60Hz	Note : B-CH11

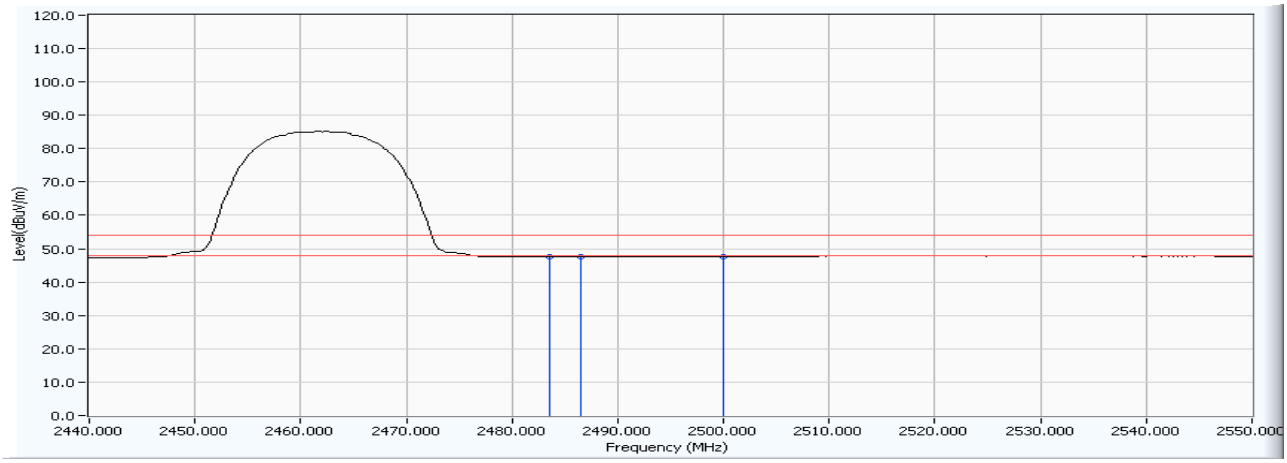


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)	Detector Type
1		2483.500	29.064	31.118	60.181	-13.819	74.000	54.000	PEAK
2	*	2490.481	29.084	31.468	60.552	-13.448	74.000	54.000	PEAK
3		2500.000	29.114	30.552	59.666	-14.334	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 : 2008/02/14 - 17:20
Limit : FCC_15.209(961011)_03M_AV	Margin : 6
EUT : WIRELESS G ADSL2+ MODEM ROUTER	Probe : CB3_FCC_1-18G(2007) - HORIZONTAL
Power : AC 120V / 60Hz	Note : B-CH11

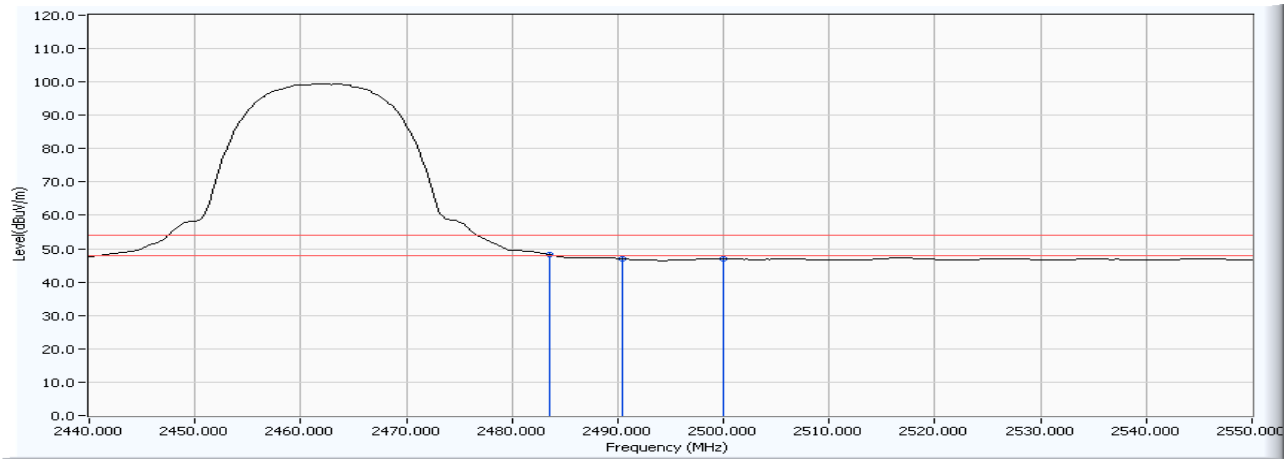


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)	Detector Type
1		2483.500	30.696	16.809	47.504	-6.496	74.000	54.000	AVERAGE
2	*	2486.513	30.698	16.805	47.504	-6.496	74.000	54.000	AVERAGE
3		2500.000	30.722	16.980	47.702	-6.298	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 : 2008/02/14 - 16:33
Limit : FCC_15.209(961011)_03M_AV	Margin : 6
EUT : WIRELESS G ADSL2+ MODEM ROUTER	Probe : CB3_FCC_1-18G(2007) - VERTICAL
Power : AC 120V / 60Hz	Note : B-CH11

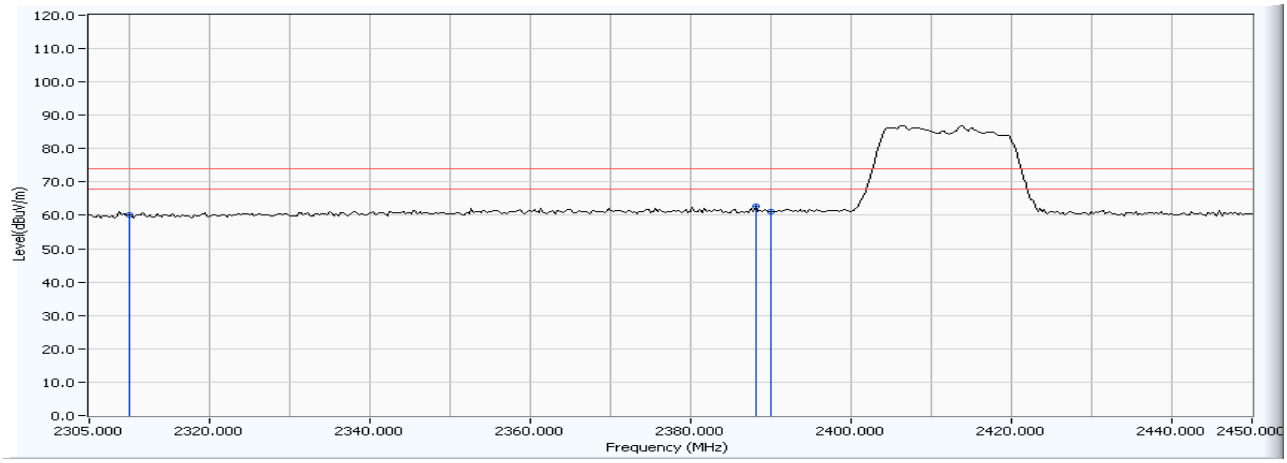


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)	Detector Type
1		2483.500	29.064	19.137	48.200	-5.800	74.000	54.000	AVERAGE
2	*	2490.481	29.084	17.877	46.961	-7.039	74.000	54.000	AVERAGE
3		2500.000	29.114	17.788	46.902	-7.098	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 : 2008/02/14 - 15:01
Limit : FCC_15.209(961011)_03M_PK	Margin : 6
EUT : WIRELESS G ADSL2+ MODEM ROUTER	Probe : CB3_FCC_1-18G(2007) - HORIZONTAL
Power : AC 120V / 60Hz	Note : G-CH1

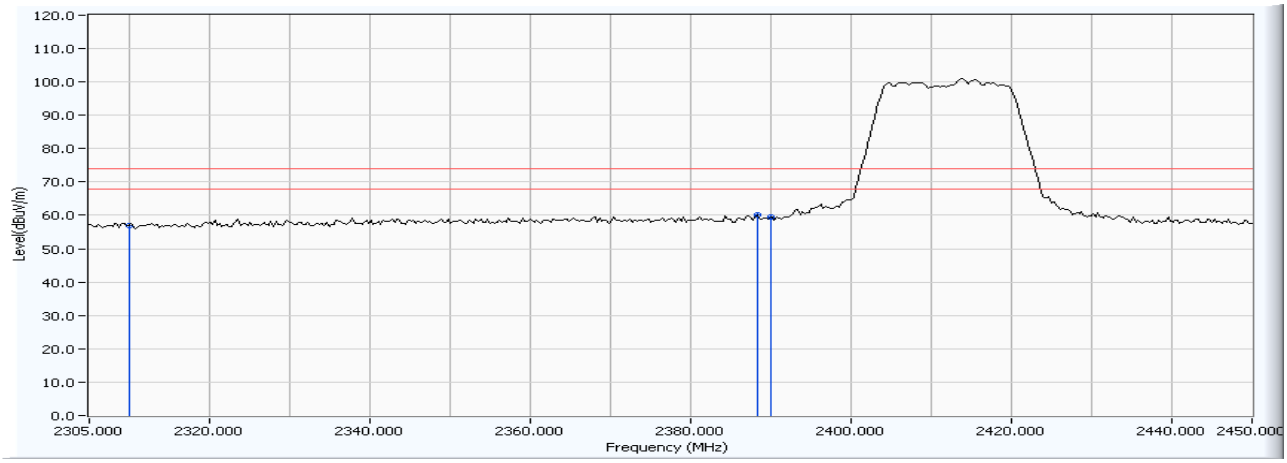


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)	Detector Type
1		2310.000	30.412	29.827	60.238	-13.762	74.000	54.000	PEAK
2	*	2388.106	30.540	32.267	62.807	-11.193	74.000	54.000	PEAK
3		2390.000	30.543	30.520	61.063	-12.937	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 : 2008/02/14 - 14:33
Limit : FCC_15.209(961011)_03M_PK	Margin : 6
EUT : WIRELESS G ADSL2+ MODEM ROUTER	Probe : CB3_FCC_1-18G(2007) - VERTICAL
Power : AC 120V / 60Hz	Note : G-CH1

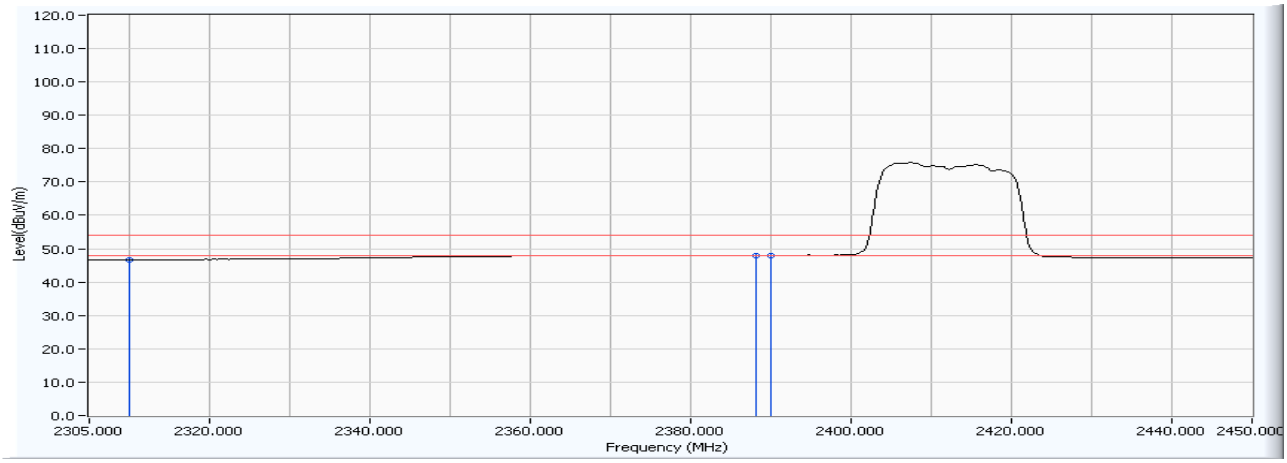


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)	Detector Type
1		2310.000	28.433	28.600	57.033	-16.967	74.000	54.000	PEAK
2	*	2388.397	28.717	31.326	60.043	-13.957	74.000	54.000	PEAK
3		2390.000	28.724	30.721	59.445	-14.555	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 : 2008/02/14 - 15:03
Limit : FCC_15.209(961011)_03M_AV	Margin : 6
EUT : WIRELESS G ADSL2+ MODEM ROUTER	Probe : CB3_FCC_1-18G(2007) - HORIZONTAL
Power : AC 120V / 60Hz	Note : G-CH1

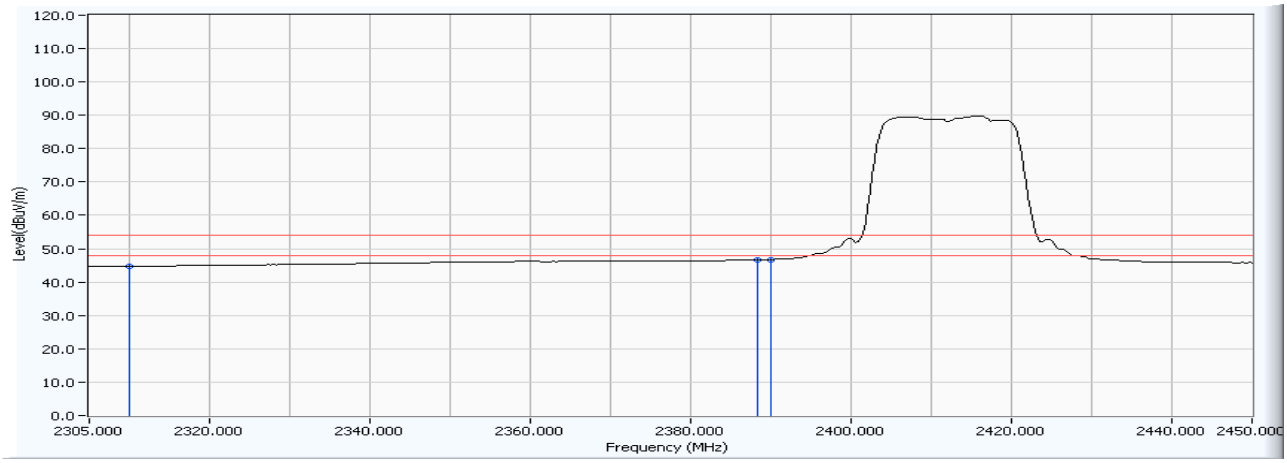


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)	Detector Type
1		2310.000	30.412	16.222	46.633	-7.367	74.000	54.000	AVERAGE
2	*	2388.106	30.540	17.486	48.026	-5.974	74.000	54.000	AVERAGE
3		2390.000	30.543	17.489	48.032	-5.968	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 : 2008/02/14 - 14:37
Limit : FCC_15.209(961011)_03M_AV	Margin : 6
EUT : WIRELESS G ADSL2+ MODEM ROUTER	Probe : CB3_FCC_1-18G(2007) - VERTICAL
Power : AC 120V / 60Hz	Note : G-CH1

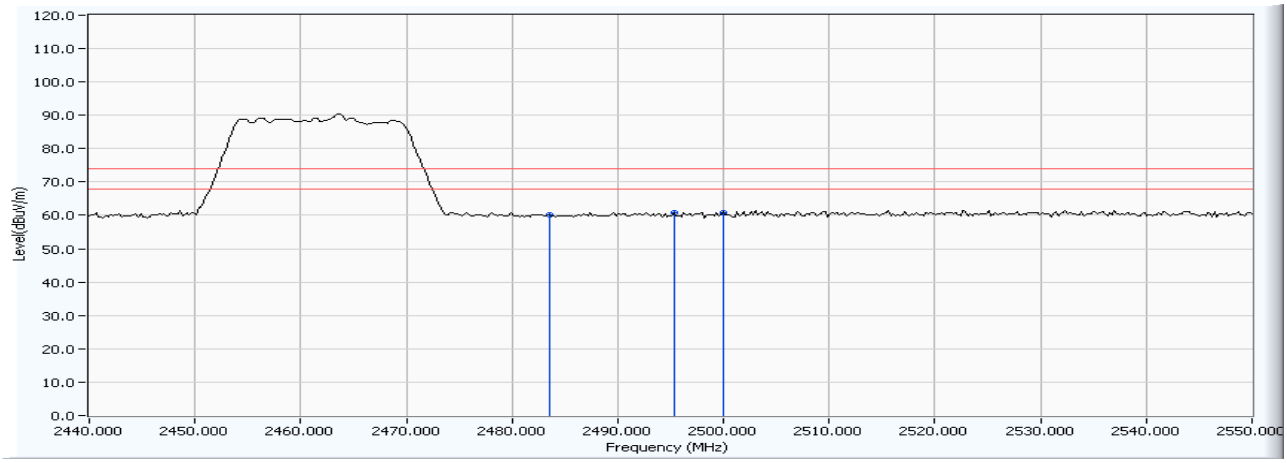


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)	Detector Type
1		2310.000	28.433	16.349	44.782	-9.218	74.000	54.000	AVERAGE
2	*	2388.397	28.717	17.983	46.700	-7.300	74.000	54.000	AVERAGE
3		2390.000	28.724	18.060	46.784	-7.216	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 : 2008/02/14 - 17:21
Limit : FCC_15.209(961011)_03M_PK	Margin : 6
EUT : WIRELESS G ADSL2+ MODEM ROUTER	Probe : CB3_FCC_1-18G(2007) - HORIZONTAL
Power : AC 120V / 60Hz	Note : G-CH11

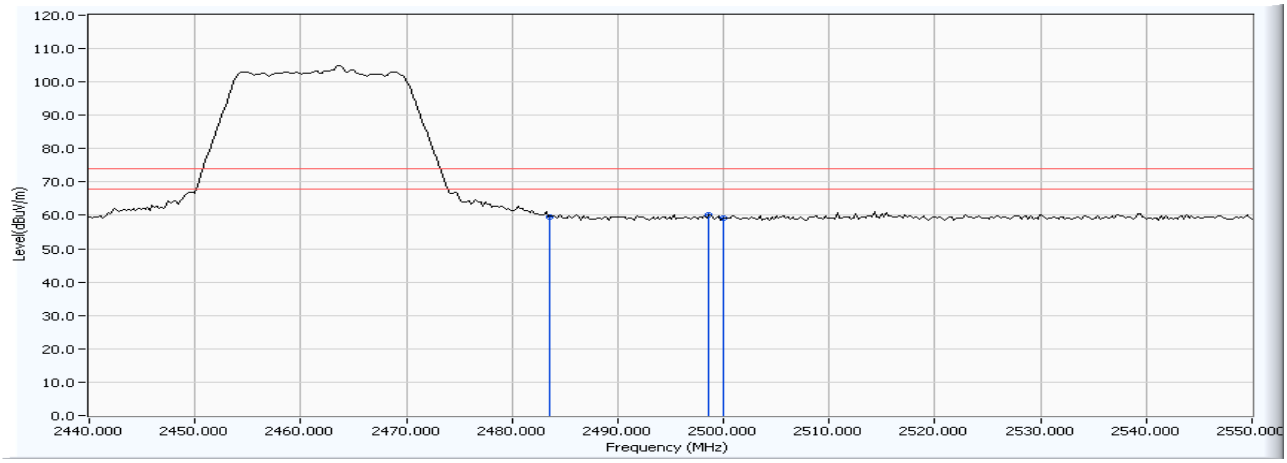


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)	Detector Type
1		2483.500	30.696	29.453	60.148	-13.852	74.000	54.000	PEAK
2	*	2495.331	30.710	30.129	60.838	-13.162	74.000	54.000	PEAK
3		2500.000	30.722	30.100	60.822	-13.178	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 : 2008/02/14 - 16:38
Limit : FCC_15.209(961011)_03M_PK	Margin : 6
EUT : WIRELESS G ADSL2+ MODEM ROUTER	Probe : CB3_FCC_1-18G(2007) - VERTICAL
Power : AC 120V / 60Hz	Note : G-CH11

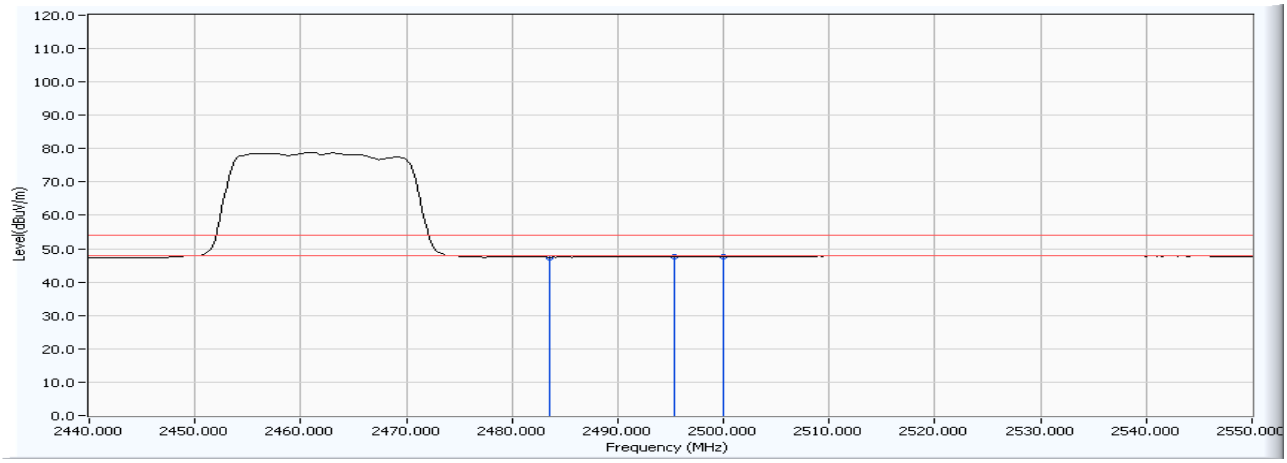


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)	Detector Type
1		2483.500	29.064	30.604	59.667	-14.333	74.000	54.000	PEAK
2	*	2498.637	29.109	31.176	60.285	-13.715	74.000	54.000	PEAK
3		2500.000	29.114	29.934	59.048	-14.952	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 : 2008/02/14 - 17:23
Limit : FCC_15.209(961011)_03M_AV	Margin : 6
EUT : WIRELESS G ADSL2+ MODEM ROUTER	Probe : CB3_FCC_1-18G(2007) - HORIZONTAL
Power : AC 120V / 60Hz	Note : G-CH11

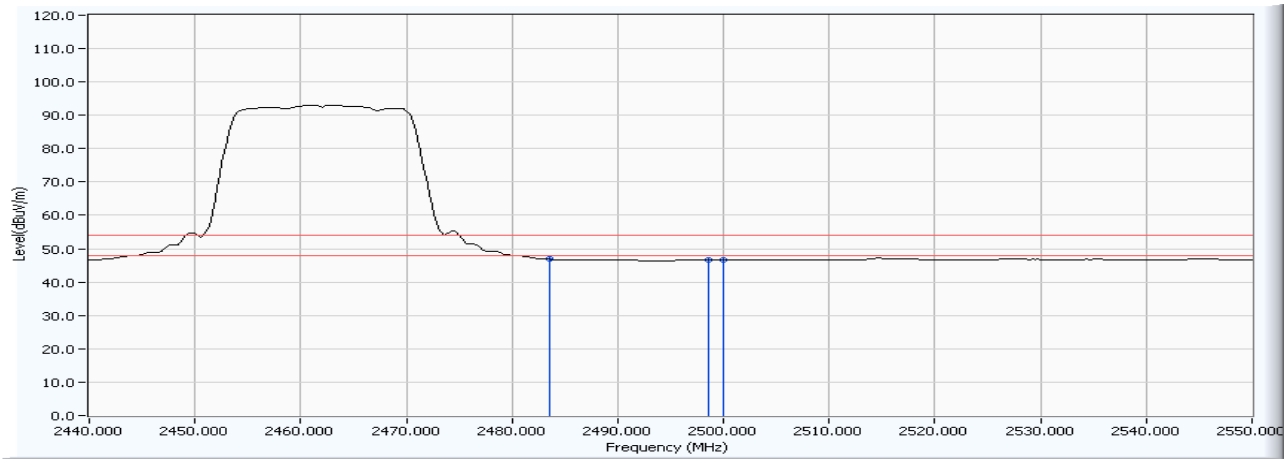


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)	Detector Type
1		2483.500	30.696	16.753	47.448	-6.552	74.000	54.000	AVERAGE
2	*	2495.331	30.710	16.895	47.604	-6.396	74.000	54.000	AVERAGE
3		2500.000	30.722	16.958	47.680	-6.320	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 : 2008/02/14 - 16:55
Limit : FCC_15.209(961011)_03M_AV	Margin : 6
EUT : WIRELESS G ADSL2+ MODEM ROUTER	Probe : CB3_FCC_1-18G(2007) - VERTICAL
Power : AC 120V / 60Hz	Note : 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	17.754	46.817	-7.183	74.000	54.000	AVERAGE
2	*	2498.637	29.109	17.524	46.633	-7.367	74.000	54.000	AVERAGE
3		2500.000	29.114	17.506	46.620	-7.380	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

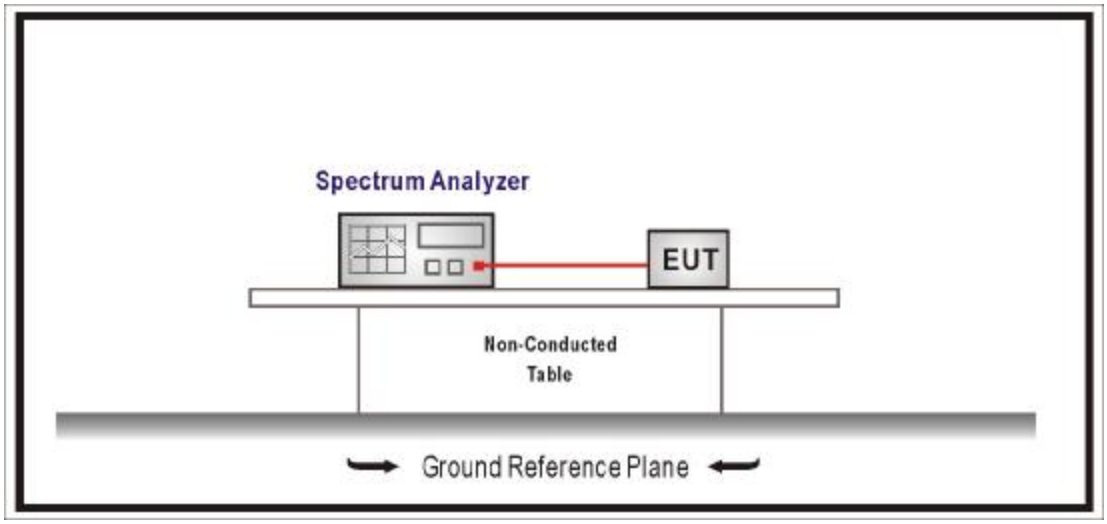
7.1. Test Equipment

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

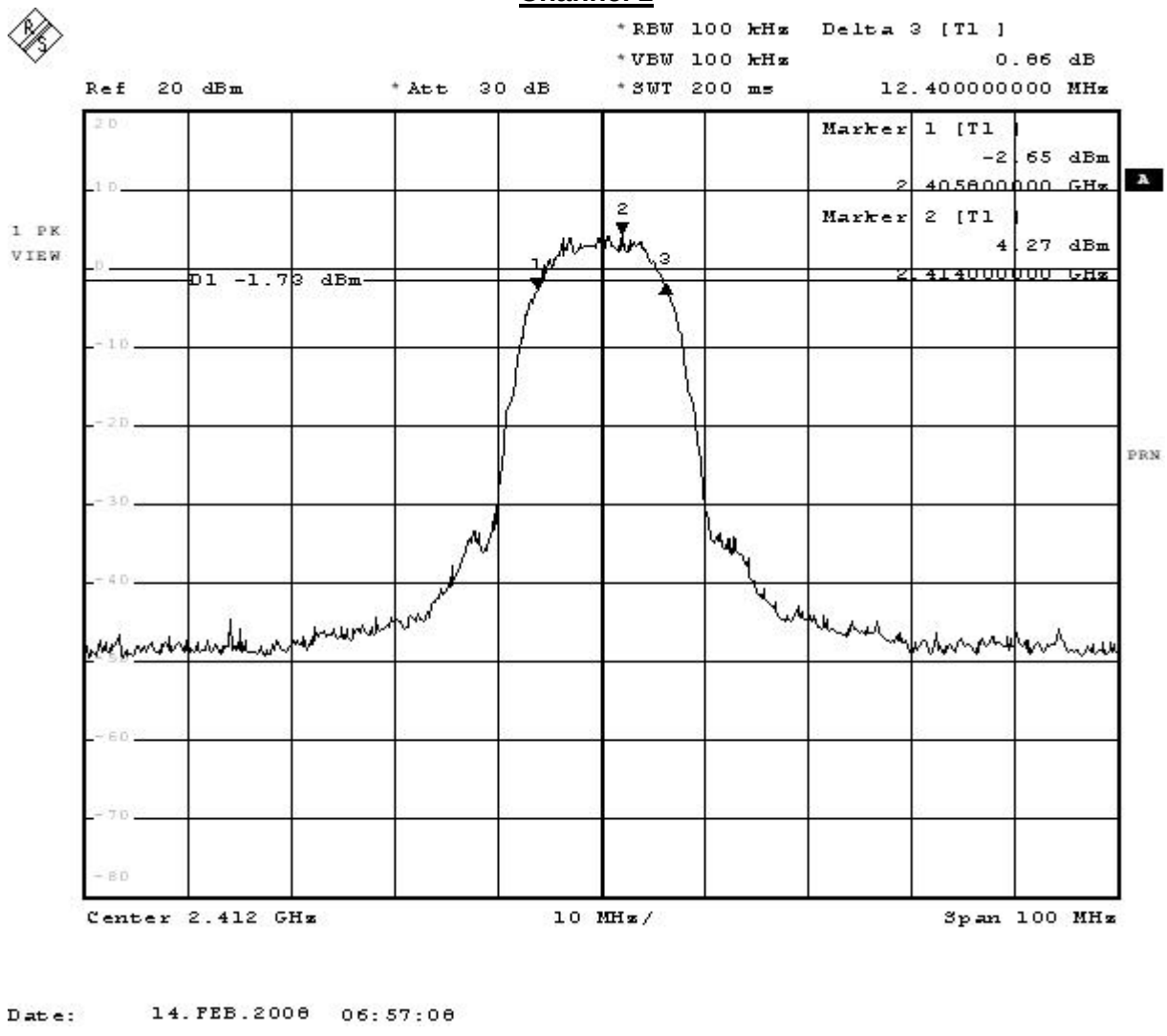
The measurement uncertainty is defined as ±150Hz

7.6. Test Result

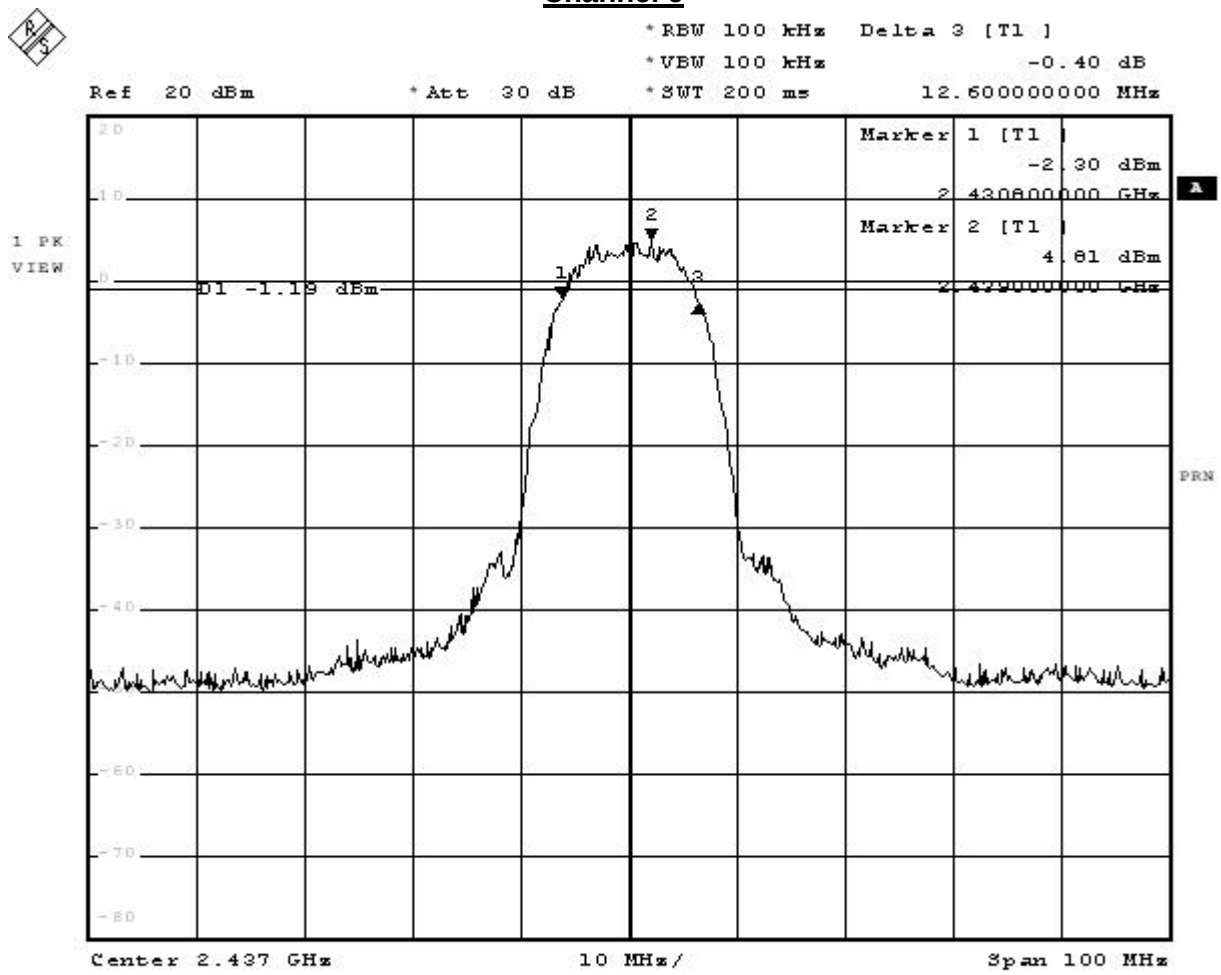
Product	WIRELESS G ADSL2+ MODEM ROUTER		
Test Item	Occupied Bandwidth		
Test Mode	Transmit		
Date of Test	2008/02/14	Test Site	No.1 OATS

802.11 b				
Channel No.	Frequency (MHz)	Measurement Level (kHz)	Required Limit (kHz)	Result
1	2412.00	12400	≧500	Pass
6	2437.00	12600	≧500	Pass
11	2462.00	12400	≧500	Pass

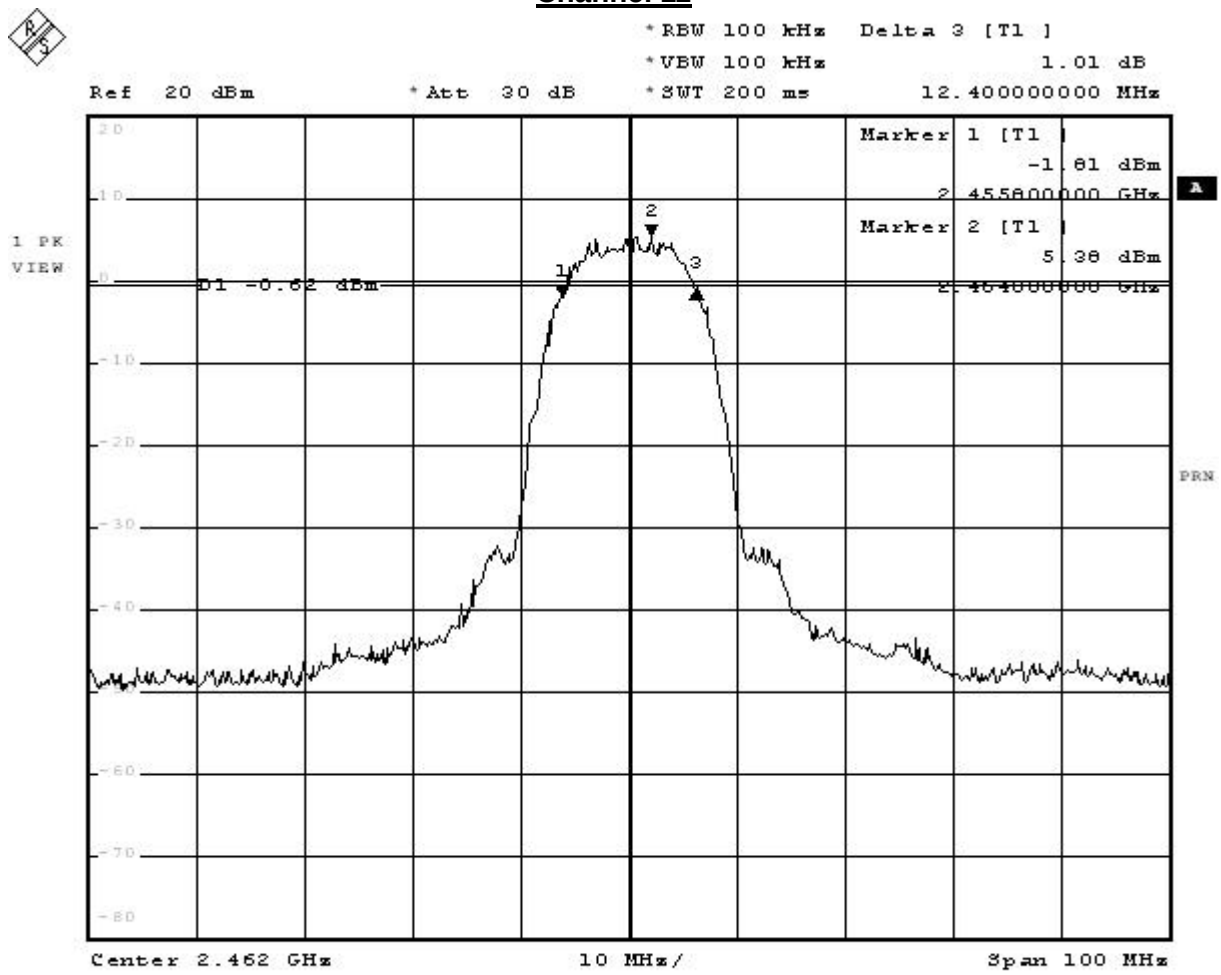
Channel 1



Channel 6


*RBW 100 kHz
*VBW 100 kHz
*SWT 200 ms
Delta 3 [T1]
-0.40 dB
12.600000000 MHz
Ref 20 dBm
*Att 30 dB
Marker 1 [T1]
-2.30 dBm
2.430800000 GHz
Marker 2 [T1]
4.81 dBm
2.429000000 GHz
D1 -1.19 dBm
1 PK
VIEW
PRN
Center 2.437 GHz
10 MHz/
Span 100 MHz
Date: 14.FEB.2008 06:45:24

Channel 11

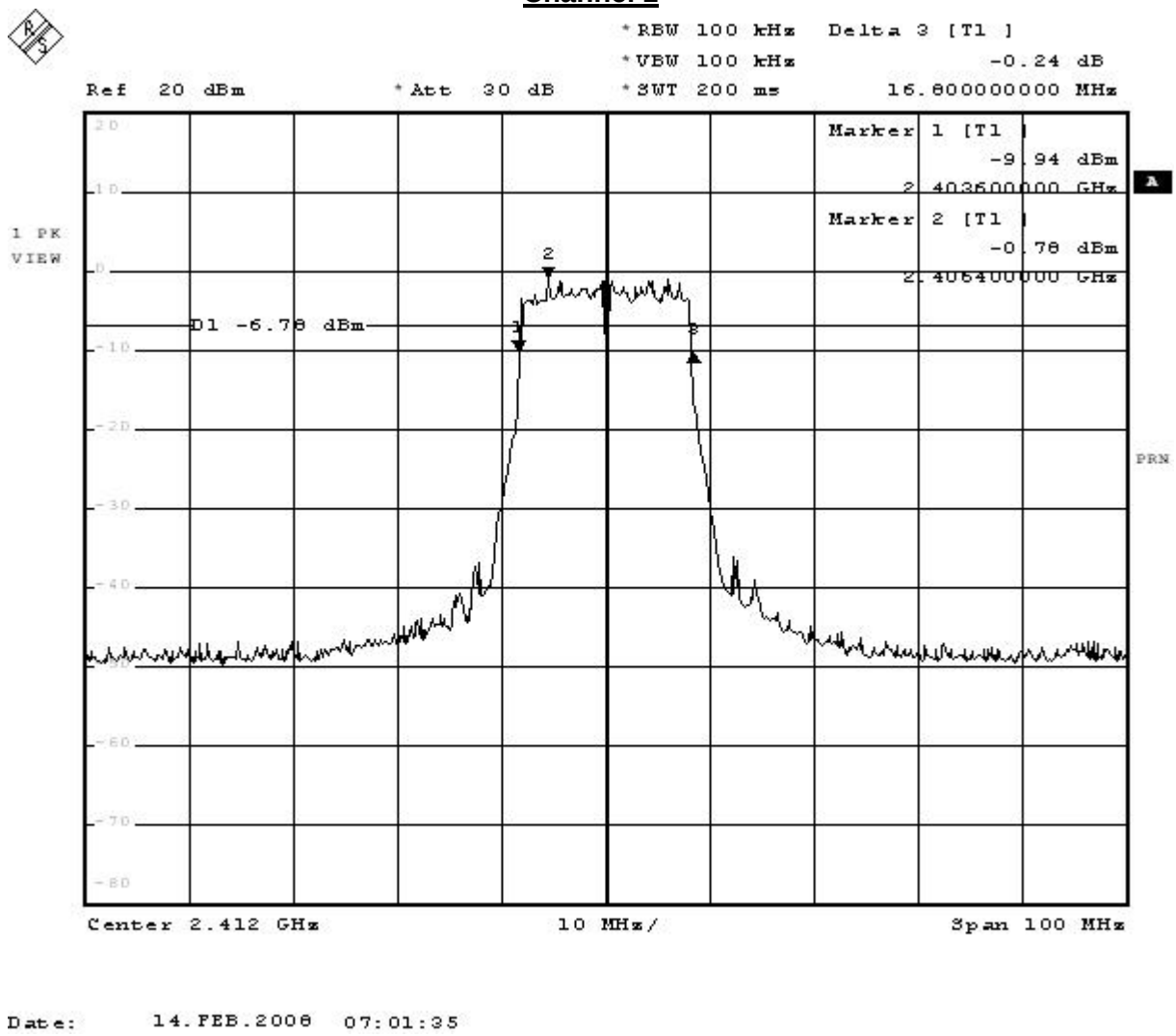


Date: 14.FEB.2008 06:51:34

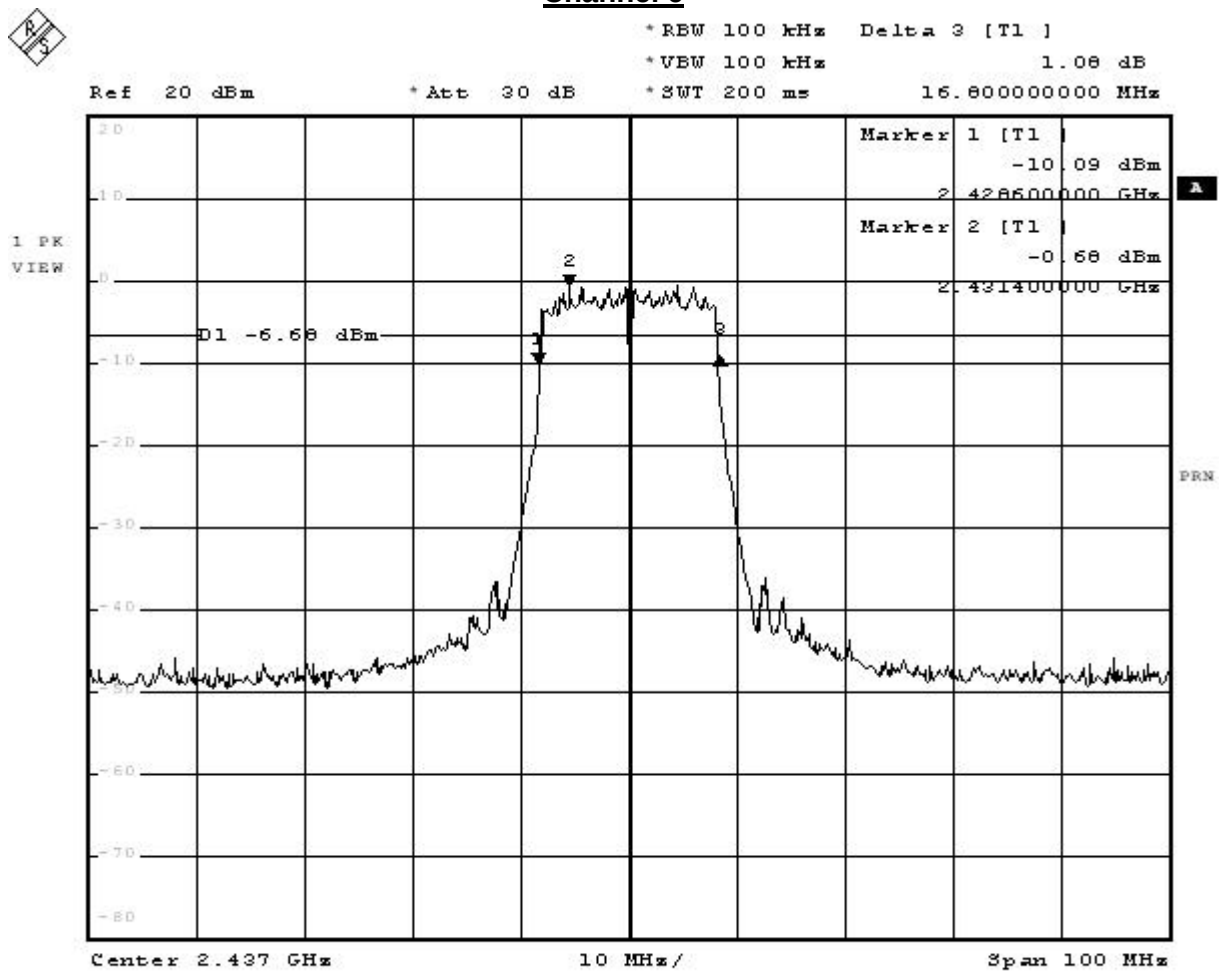
Product	WIRELESS G ADSL2+ MODEM ROUTER		
Test Item	Occupied Bandwidth		
Test Mode	Transmit		
Date of Test	2008/02/14	Test Site	No.1 OATS

IEEE 802.11g				
Channel No.	Frequency (MHz)	Measurement Level (kHz)	Required Limit (kHz)	Result
1	2412.00	16800	≧500	Pass
6	2437.00	16800	≧500	Pass
11	2462.00	16800	≧500	Pass

Channel 1

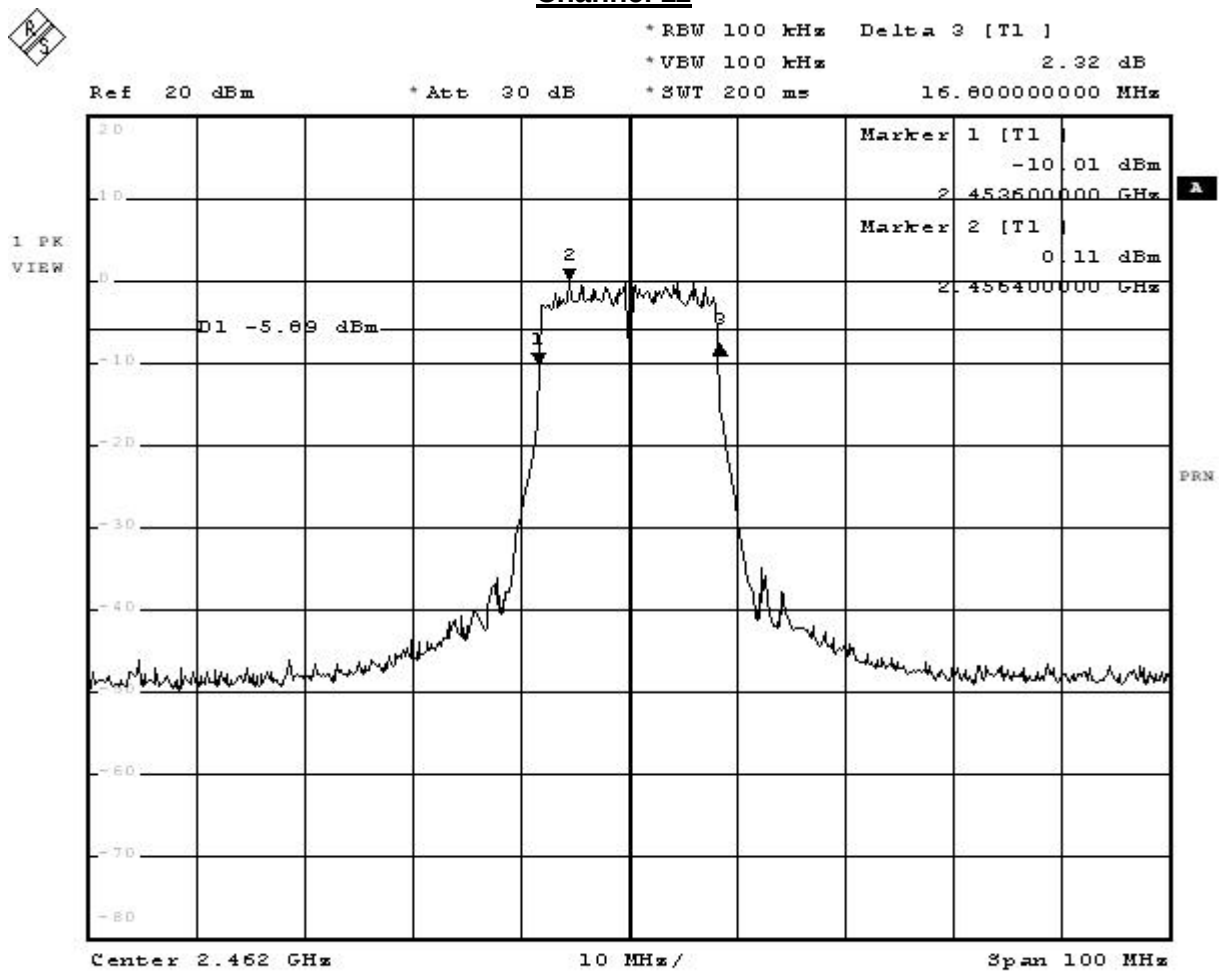


Channel 6



Date: 14.FEB.2008 07:05:16

Channel 11


*RBW 100 kHz
*VBW 100 kHz
*SWT 200 ms
Delta 3 [T1]
2.32 dB
16.800000000 MHz
Ref 20 dBm
*Att 30 dB
Marker 1 [T1]
-10.01 dBm
2.453600000 GHz
Marker 2 [T1]
0.11 dBm
2.456400000 GHz
1 PK
VIEW
D1 -5.89 dBm
PRN
Center 2.462 GHz
10 MHz/
Span 100 MHz
Date: 14.FEB.2008 07:08:29

8. Power Density

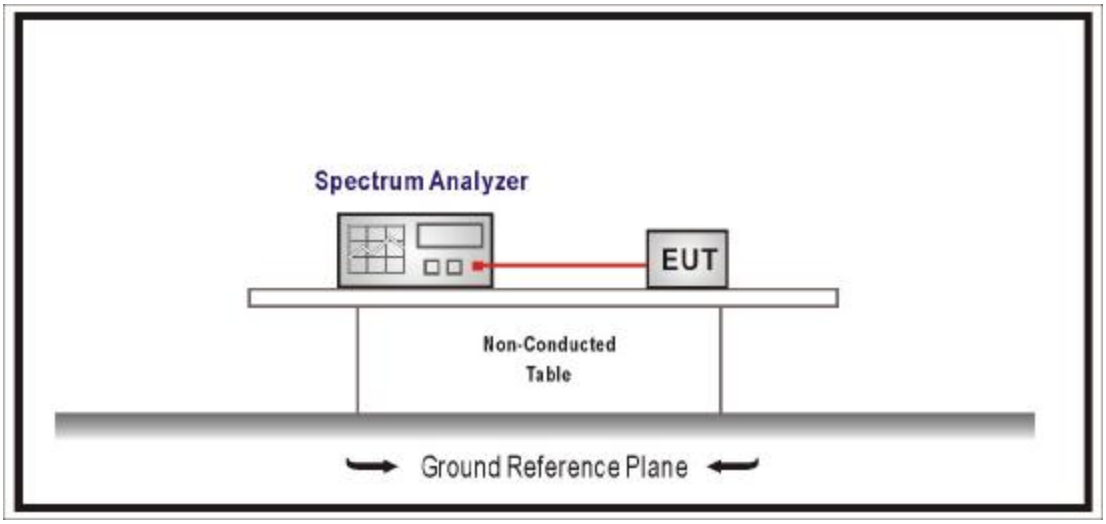
8.1. Test Equipment

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

Locate and zoom in on emission peak(s) within the passband. Set RBW = 3 kHz, VBW > RBW, sweep= (SPAN/3 kHz) e.g., for a span of 1.5 MHz, the sweep should be 1.5 x 106 ÷ 3 x103 = 500 seconds. The peak level measured must be no greater than + 8 dBm. If external attenuation is used, don't forget to add this value to the reading. Use the following guidelines for modifying the power spectral density measurement procedure when necessary.

For devices with spectrum line spacing greater than 3 kHz no change is required.

For devices with spectrum line spacing equal to or less than 3 kHz, the resolution bandwidth must be reduced below 3 kHz until the individual lines in the spectrum are resolved. The measurement data must then be normalized to 3 kHz by summing the power of all the individual spectral lines within a 3kHz band (in linear power units) to determine compliance.

If the spectrum line spacing cannot be resolved on the available spectrum analyzer, the noise density function on most modern conventional spectrum analyzers will directly measure the noise power density normalized to a 1 Hz noise power bandwidth. Add 35 dB for correction to 3 kHz.

Should all the above fail or any controversy develop regarding accuracy of measurement, the FCC Laboratory will use the HP 89440A Vector Signal Analyzer for final measurement unless a clear showing can be made for a further alternate.

8.5. Uncertainty

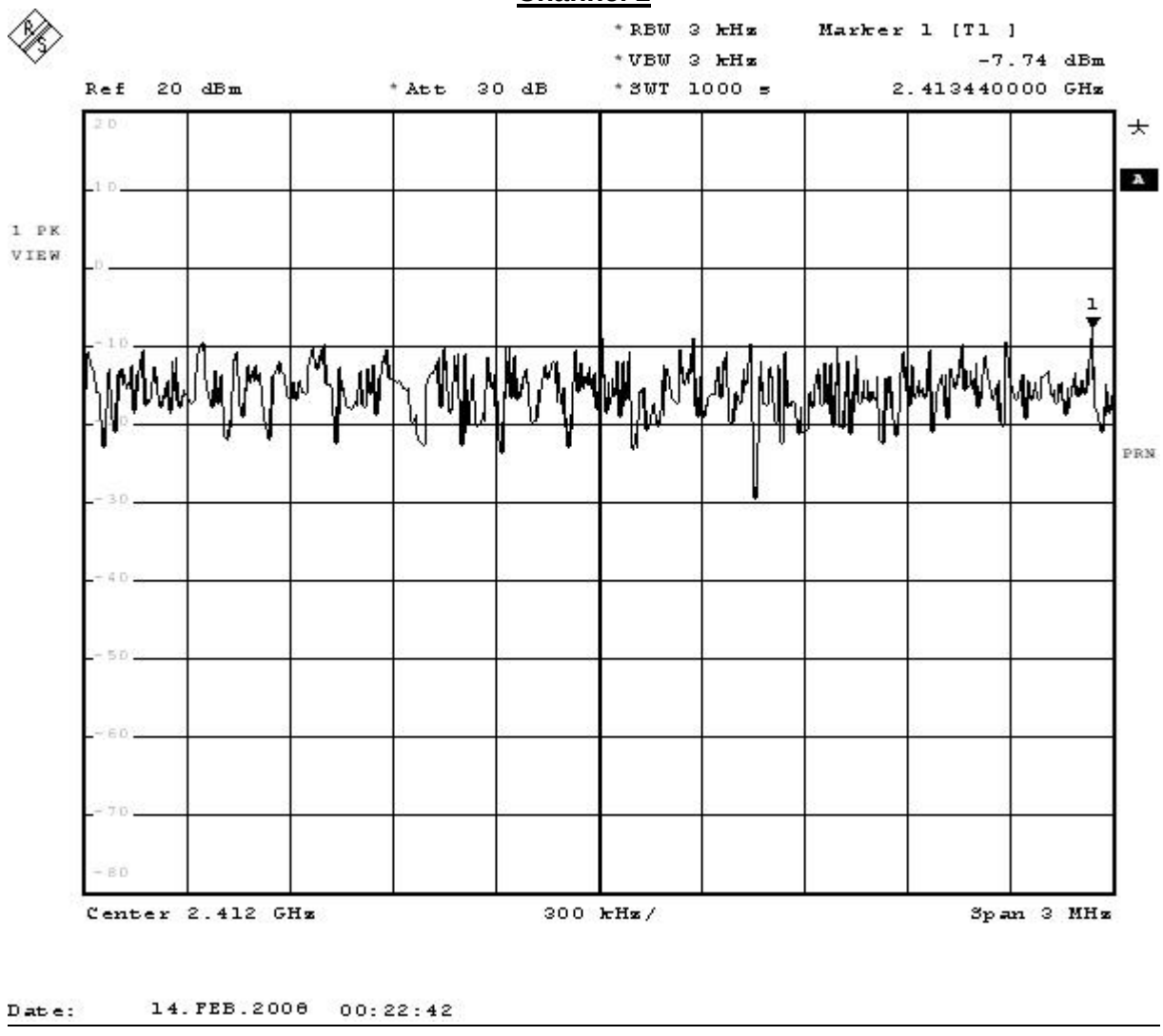
The measurement uncertainty is defined as ±1.27dB.

8.6. Test Result

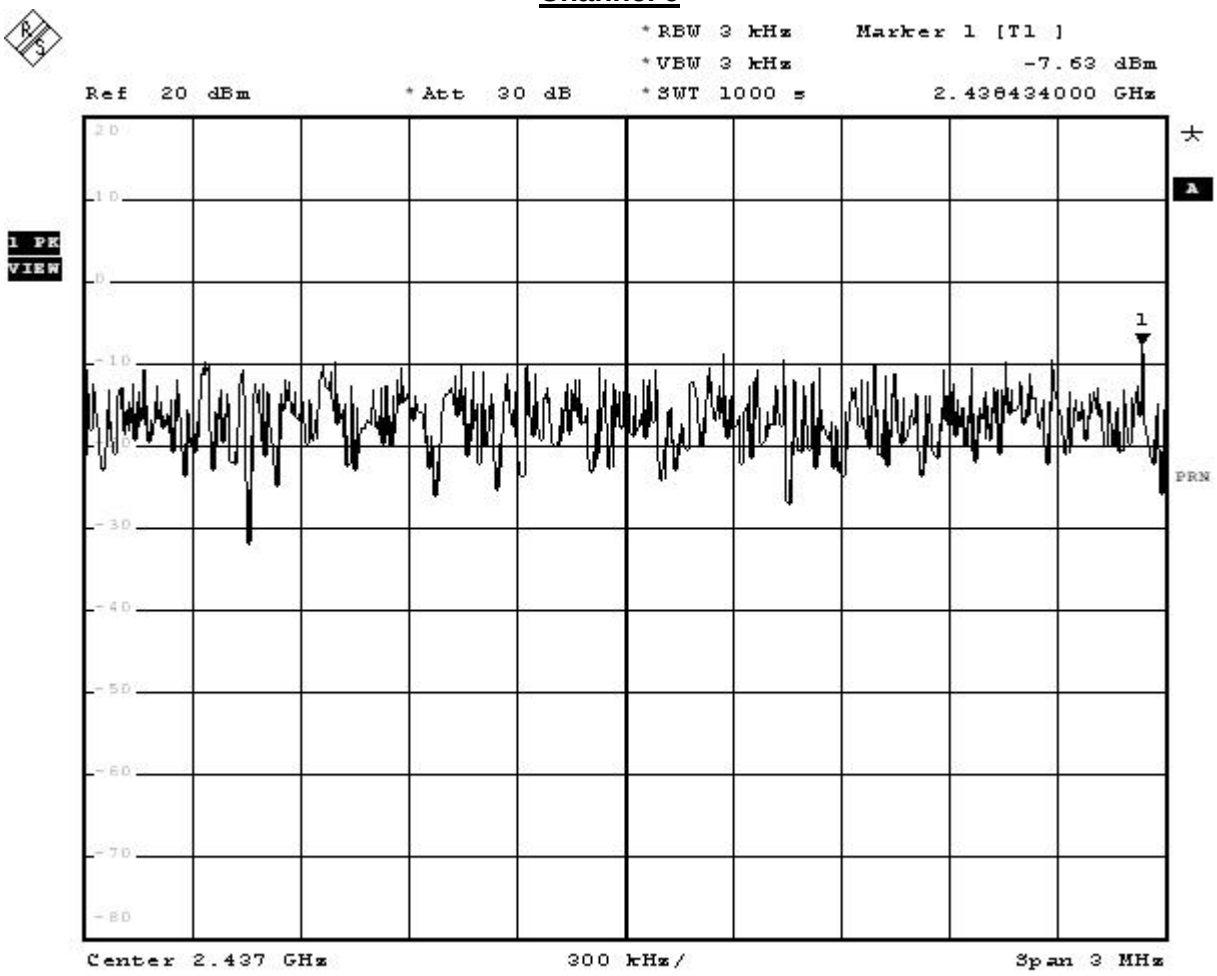
Product	WIRELESS G ADSL2+ MODEM ROUTER		
Test Item	Power Density		
Test Mode	Transmit		
Date of Test	2008/02/14	Test Site	No.1 OATS

IEEE 802.11b				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
1	2412	-7.74	<8	Pass
6	2437	-7.63	<8	Pass
11	2462	-7.11	<8	Pass

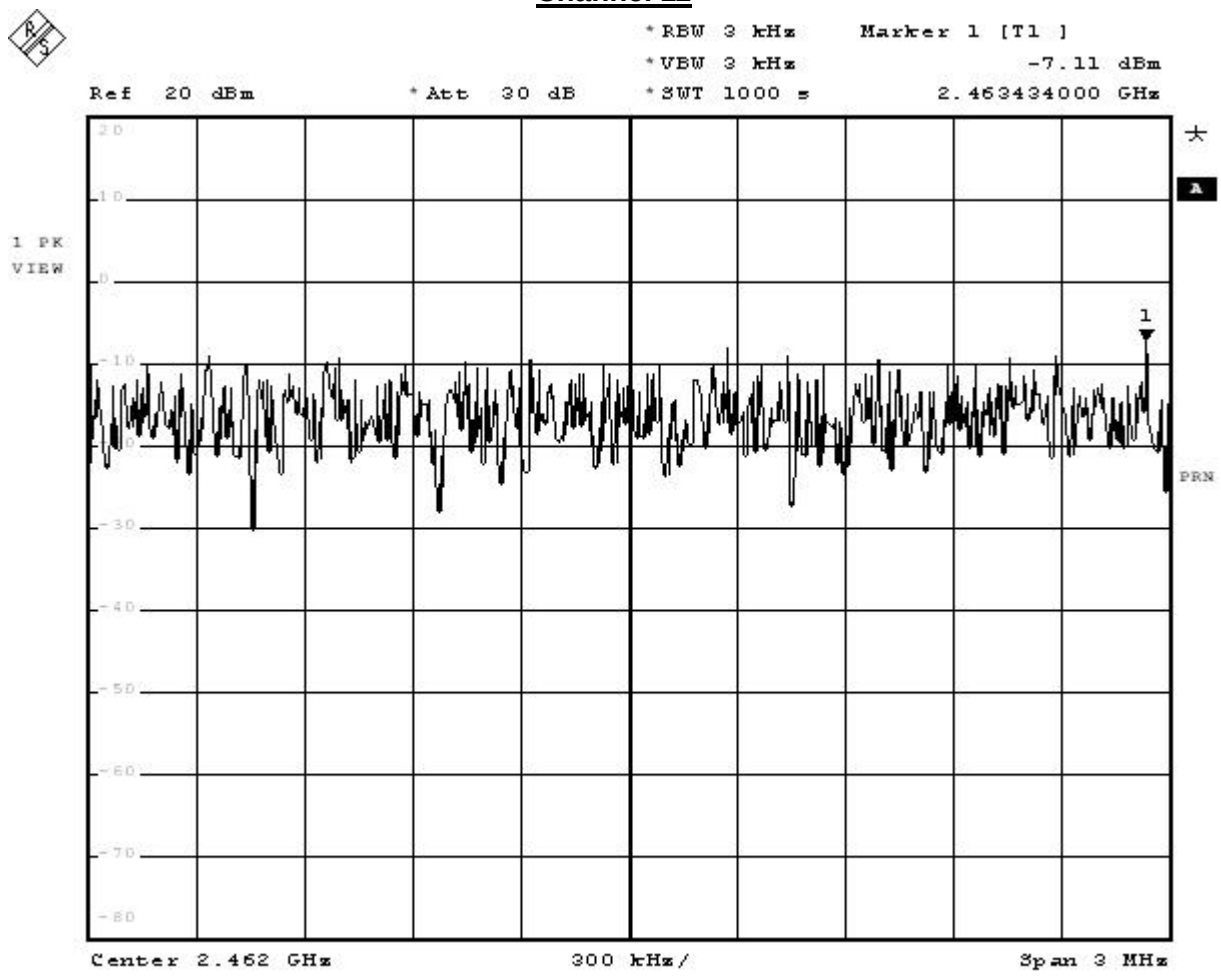
Channel 1



Channel 6


*RBW 3 kHz
Marker 1 [T1]
*VBW 3 kHz
-7.63 dBm
Ref 20 dBm
*Att 30 dB
*SWT 1000 s
2.438434000 GHz
1 PK
VIEW
A
PRN
Center 2.437 GHz
300 kHz/
Span 3 MHz
Date: 14.FEB.2006 00:29:12

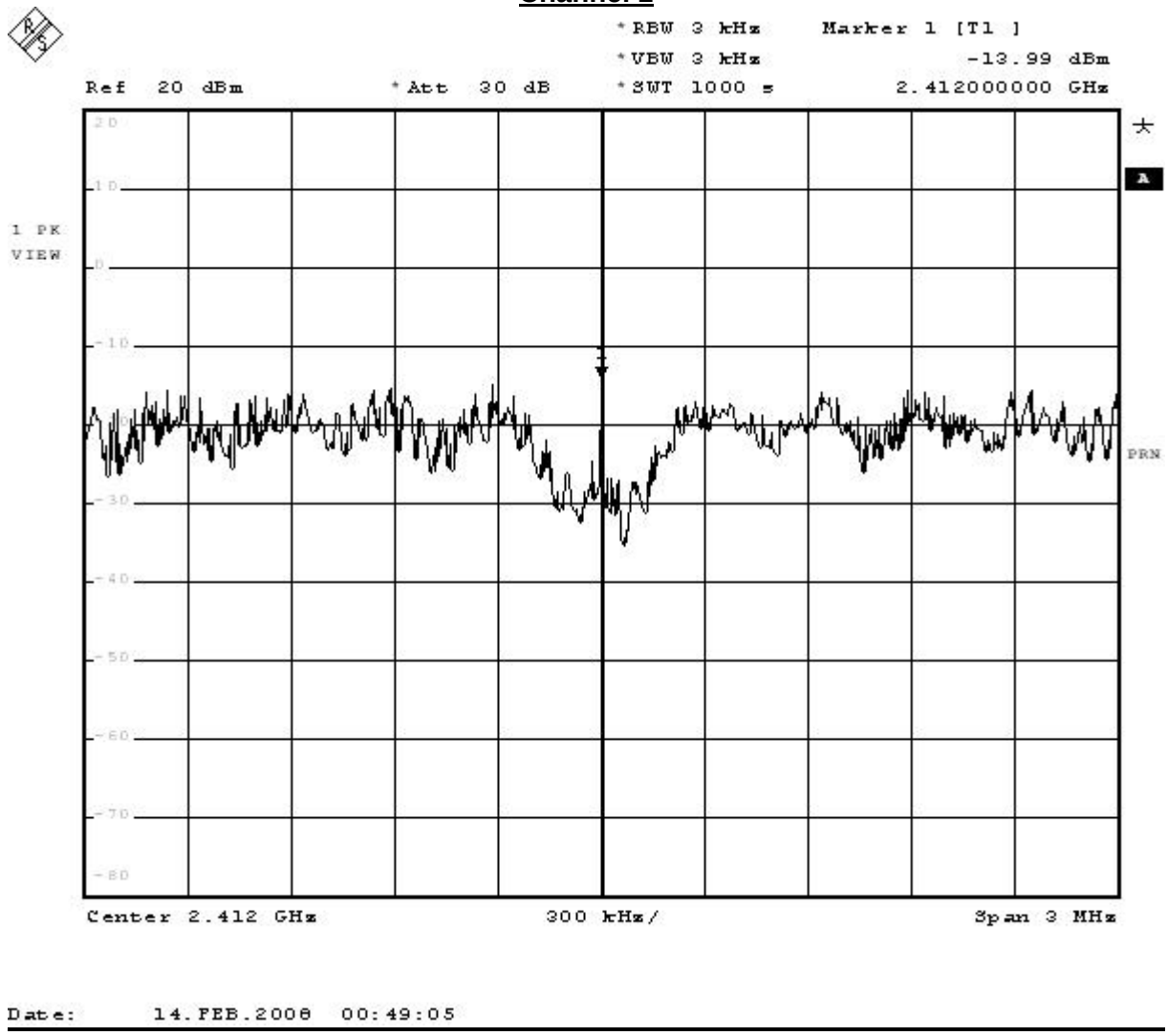
Channel 11


*RBW 3 kHz
Marker 1 [T1]
*VBW 3 kHz
-7.11 dBm
Ref 20 dBm
*Att 30 dB
*SWT 1000 s
2.463434000 GHz
1 PK
VIEW
1
PRN
Center 2.462 GHz
300 kHz/
Span 3 MHz
Date: 14.FEB.2008 00:35:05

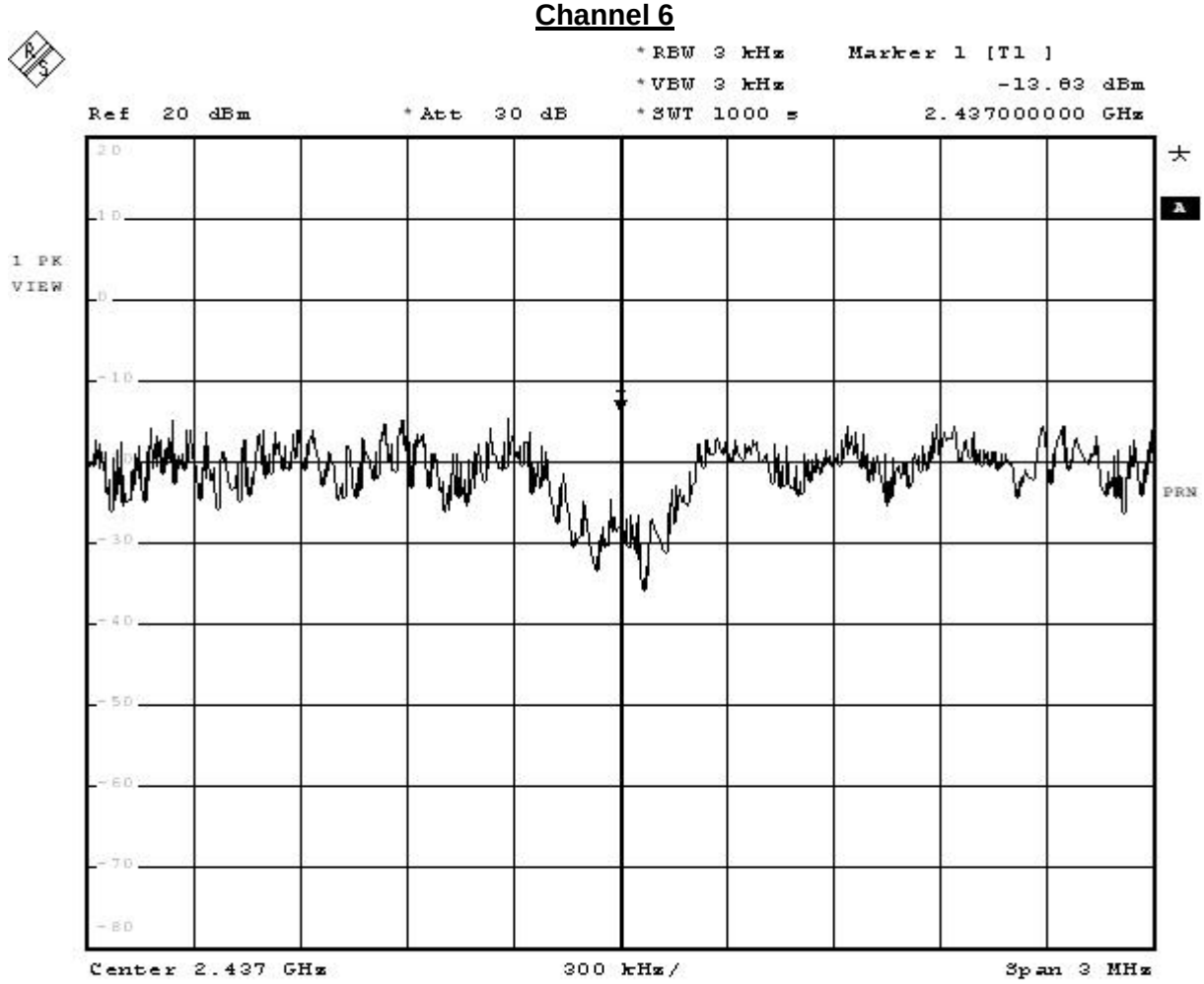
Product	WIRELESS G ADSL2+ MODEM ROUTER		
Test Item	Power Density		
Test Mode	Transmit		
Date of Test	2008/02/14	Test Site	No.1 OATS

IEEE 802.11g				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
1	2412	-13.99	<8	Pass
6	2437	-13.83	<8	Pass
11	2462	-13.34	<8	Pass

Channel 1

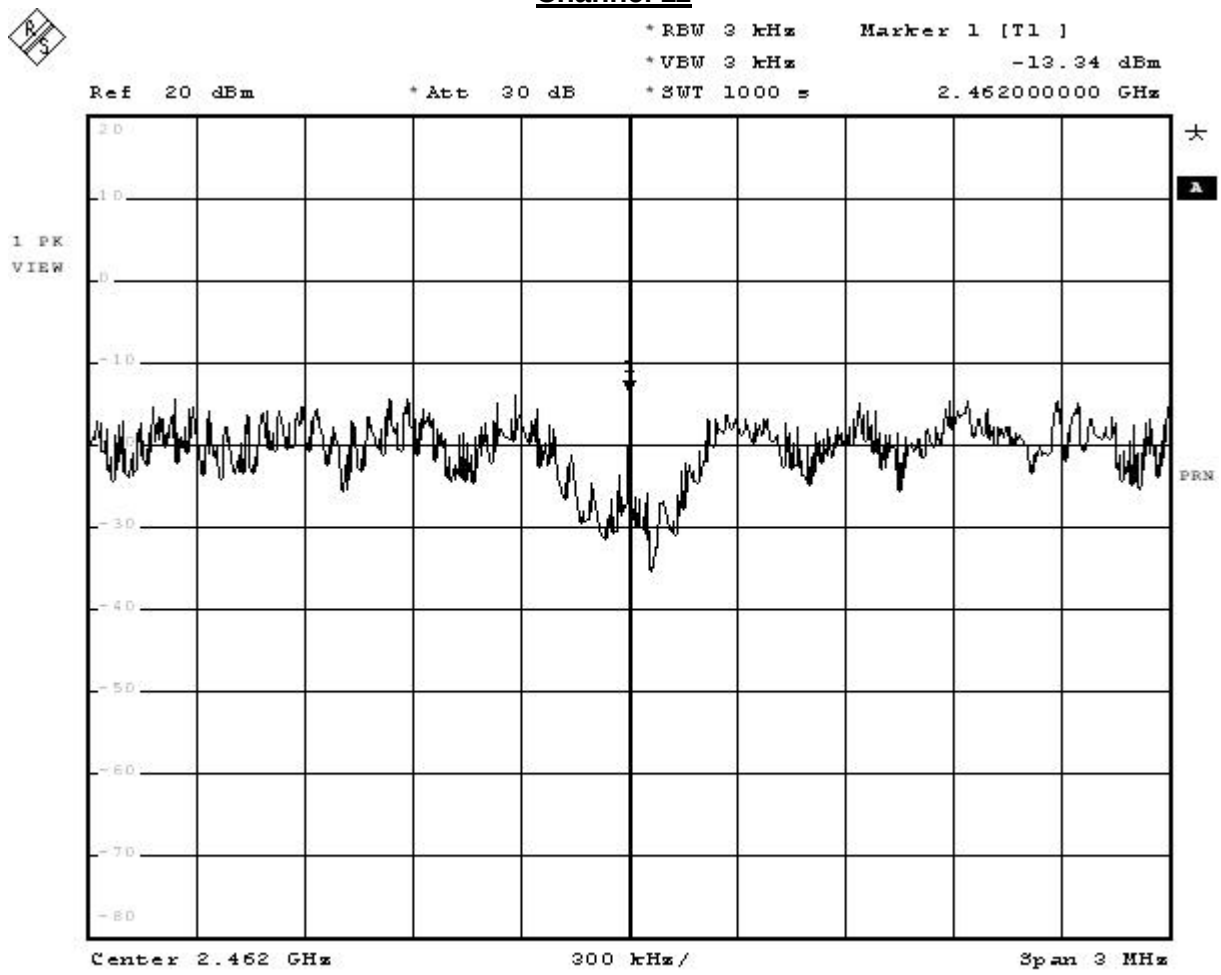


Channel 6



Date: 14.FEB.2008 01:02:33

Channel 11


*RBW 3 kHz
*VBW 3 kHz
*SWT 1000 s
Marker 1 [T1]
-13.34 dBm
2.462000000 GHz
Ref 20 dBm
*Att 30 dB
1 PK
VIEW
A
PRN
20
10
0
-10
-30
-40
-50
-60
-70
-80
Center 2.462 GHz
300 kHz/
Span 3 MHz
Date: 14.FEB.2008 01:11:12