Test Report

Product Name ： Wireless N 150 Home Router
Model No. ： W150NR
FCC ID. ： YC3W150NR

Applicant ： KEEBOX, Inc.
Address ： P.O. Box 2290, Gardena, CA 90247 U.S.A.

Date of Receipt ： 2009/03/24
Issued Date ： 2010/06/10
Report No. ： 104234R-RFUSP05V01
Report Version ： V1.0

Test Report Certification

Issued Date : 2010/06/10
Report No. : 104234R-RFUSP05V01

QuieTek

Product Name	:	Wireless N 150 Home Router
Applicant	:	KEEBOX, Inc.
Address	:	P.O. Box 2290, Gardena, CA 90247 U.S.A.
Manufacturer	:	Alpha Networks Inc.
Model No.	:	W150NR
FCC ID.	:	YC3W150NR
Rated Voltage	:	AC 120 V / 60 Hz
EUT Voltage	:	AC 100~240 V, 50 / 60 Hz
Trade Name	:	KEEBOX
Applicable Standard	:	FCC CFR Title 47 Part 15 Subpart C Section 15.247:2009
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 : Demi Chang

(Demi Chang / Engineering Adm. Specialist)

Reviewed By : Rita Hsu

(Rita Hsu / Assistant Engineer)

Approved By : Roy Wang

(Roy Wang / Manager)

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1. General Information

1.1. EUT Description

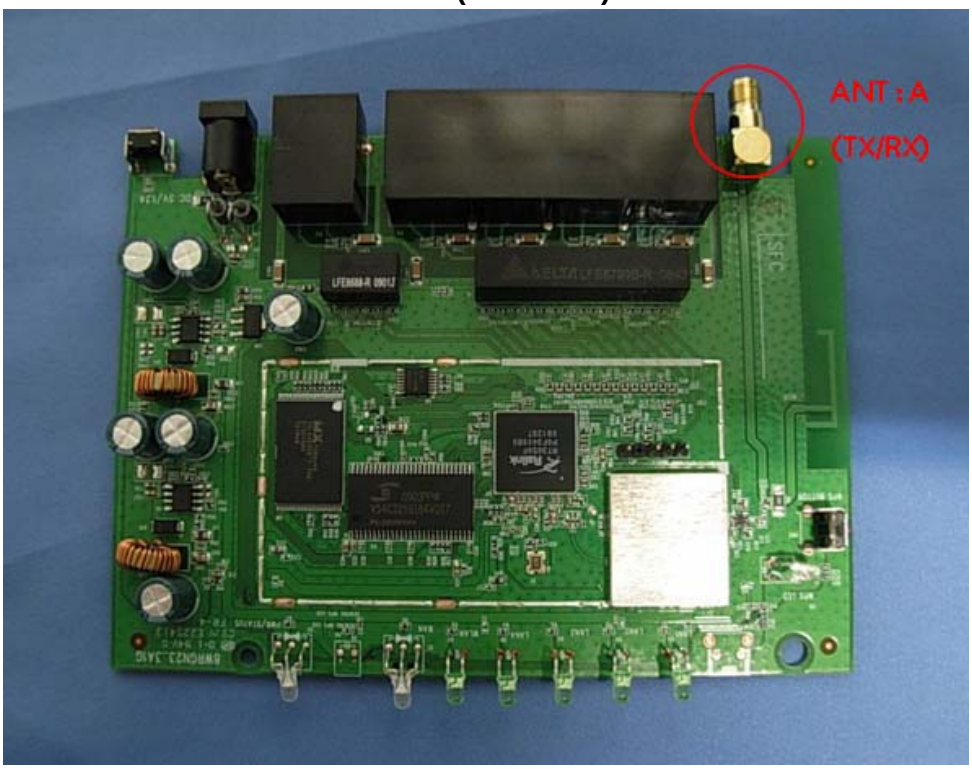
Product Name	Wireless N 150 Home Router
Product Type	WLAN (1TX, 1RX)
Trade Name	KEEBOX
Model No.	W150NR
Frequency Range-IEEE 802.11b/g & IEEE 802.11n (20MHz)	2412~2462MHz
Frequency Range-IEEE 802.11n (40MHz)	2422~2452MHz
Channel Number (IEEE 802.11b/g & IEEE 802.11n (20MHz))	11
Channel Number-IEEE 802.11n (40MHz)	7
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
Data Speed (IEEE 802.11n)	Support a subset of the combination of GI, MCS 0~MCS 7 and bandwidth defined in 802.11n
Antenna	ANT A (TX/RX): 1.8dBi
Channel Control	Manual
Antenna Type	Connector (R-SMA)

Component	
Pedestal	1 Set
LAN Cable	Non-Shielded, 1.5m
Power Adapter	AMIGO, AMS1-0501200FU I/P: 100-240V 50/60Hz 0.2A O/P: 5V 1.2A Cable Out: Non-Shielded, 1.5m

ANT-TX / RX & Bandwidth

ANT-TX / RX	TX		RX	
Mode/ Channel Bandwidth	20MHz	40MHz	20MHz	40MHz
IEEE802.11b	✓		✓	
IEEE802.11g	✓		✓	
Draft 11n	✓	✓	✓	✓

ANT A (1 TX/1 RX)



11n Spec.

MCS Index	Nss	Modulation	R	NBPSC	NCBPS		NDBPS		Data rate (Mbps) 800nsGI	
					20MHz	40MHz	20MHz	40MHz	20MHz	40MHz
0	1	BPSK	1/2	1	52	108	26	54	6.5	13.5
1	1	QPSK	1/2	2	104	216	52	108	13.0	27.0
2	1	QPSK	3/4	2	104	216	78	162	19.5	40.5
3	1	16-QAM	1/2	4	208	432	104	216	26.0	54.0
4	1	16-QAM	3/4	4	208	432	156	324	39.0	81.0
5	1	64-QAM	2/3	6	312	648	208	432	52.0	108.0
6	1	64-QAM	3/4	6	312	648	234	486	58.5	121.5
7	1	64-QAM	5/6	6	312	648	260	540	65.0	135.0

Symbol	Explanation
NSS	Number of spatial streams
R	Code rate
NBPSC	Number of coded bits per single carrier
NCBPS	Number of coded bits per symbol
NDBPS	Number of data bits per symbol
GI	Guard interval

IEEE 802.11b/g & IEEE 802.11n (20MHz)

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		

IEEE 802.11n (40MHz)

Working Frequency of Each Channel							
Channel	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency
003	2422 MHz	004	2427 MHz	005	2432 MHz	006	2437 MHz
007	2442 MHz	008	2447 MHz	009	2452 MHz		

Note:

1. This device is a Wireless N 150 Home Router, which including 2.4GHz b/g and 11n (1x1) transmitting and receiving function.
2. These test results on a sample of the device are for the purpose of demonstrating compliance with Part 15 Subpart C Paragraph 15.247.
3. 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.
4. This device is a composite device in accordance with Part 15 regulations. The receiving function receiving was tested and its test report number is 104234R-RFUSP01V02 under Declaration of Conformity.

1.3. Test Mode

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

Tx	Mode 1: Transmit

Test Items	Mode	Channel	Antenna	Result
Conducted Emission	b/g/11n(20MHz)/11n(40MHz)	6	A	Complies
Peak Power Output	b/g	1 /6/ 11	A	Complies
	11n-MCS0(20MHz)	1 /6/ 11	A	Complies
	11n-MCS1 (40MHz)	3 /6/ 9	A	Complies
Radiated Emission	b/g	1 /6/ 11	A	Complies
	11n-MCS0(20MHz)	1 /6/ 11	A	Complies
	11n-MCS1 (40MHz)	3 /6/ 9	A	Complies
RF antenna conducted test	b/g	1 /11	A	Complies
	11n-MSC0 (20MHz)	1 /11	A	Complies
	11n-MSC0 (40MHz)	3 /9	A	Complies
Radiated Emission Band Edge	b/g	1 /11	A	Complies
	11n-MSC0 (20MHz)	1 /11	A	Complies
	11n-MSC0 (40MHz)	3 /9	A	Complies
Occupied Bandwidth	b/g	1 /6/ 11	A	Complies
	11n-MCS0 (20MHz)	1 /6/ 11	A	Complies
	11n-MCS1 (40MHz)	3 /6/ 9	A	Complies
Power Density	b/g	1 /6/ 11	A	Complies
	11n-MCS0 (20MHz)	1 /6/ 11	A	Complies
	11n-MCS1 (40MHz)	3 /6/ 9	A	Complies

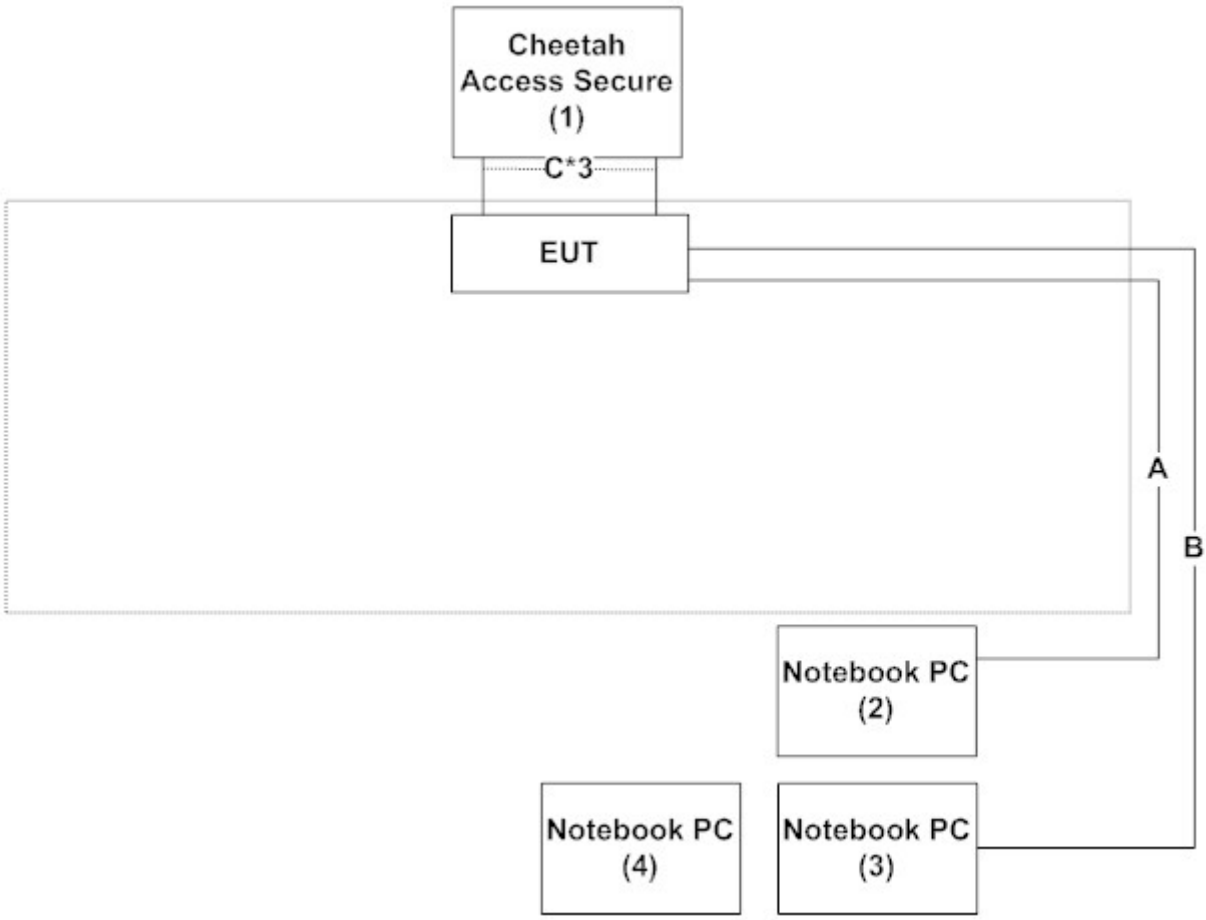
1.4. Tested System Details

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	Cheetah Access Secure	Accton	AC-IG1104	N/A	DoC	Non-shielded, 1.8m
2	Notebook PC	DELL	LATITUDE D400	GK43D1S	DoC	Non-shielded, 1.7m, a ferrite core bonded
3	Notebook PC	DELL	LATITUDE D400	HK43D1S	DoC	Non-shielded, 1.7m, a ferrite core bonded
4	Notebook PC	DELL	Latitude 610	N/A	DoC	Non-shielded, 1.7m, a ferrite core bonded

1.5. Configuration of tested System

Connection Diagram



Signal Cable Type		Signal cable Description
A	LAN Cable	Non-Shielded, 10m
B	LAN Cable	Non-Shielded, 10m
C	LAN Cable	Non-Shielded, 1.5m, 3 PCS

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 communicate by connecting to LAN port of Notebook PC.
5	The Notebook PC ‘s monitor will show the transmitting and receiving characteristics when the communication is success.
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	23.5
Humidity (%RH)		25 - 75	53
Barometric pressure (mbar)		860 - 1060	950-1000
Temperature (°C)	FCC PART 15 C 15.247 Radiated Emission (DSSS)	15 - 35	25
Humidity (%RH)		25 - 75	65
Barometric pressure (mbar)		860 - 1060	950-1000
Temperature (°C)	FCC PART 15 C 15.247 Band Edge (DSSS)	15 - 35	26
Humidity (%RH)		25 - 75	65
Barometric pressure (mbar)		860 - 1060	950-1000
Temperature (°C)	FCC PART 15 C 15.247 Occupied Bandwidth (DSSS)	15 - 35	26
Humidity (%RH)		25 - 75	52.8
Barometric pressure (mbar)		860 - 1060	950-1000
Temperature (°C)	FCC PART 15 C 15.247 Power Density (DSSS)	15 - 35	26
Humidity (%RH)		25 - 75	52.8
Barometric pressure (mbar)		860 - 1060	950-1000

Site Description:

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

Accredited by TAF
Accreditation Number: 1313
Effective through: December 27, 2010

Testing Laboratory 1313

Accredited by NVLAP
NVLAP Lab Code: 200347-0
Effective through: September 30, 2009

NVLAP Lab Code : 200347-0

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

2. Conducted Emission

2.1. Test Equipment

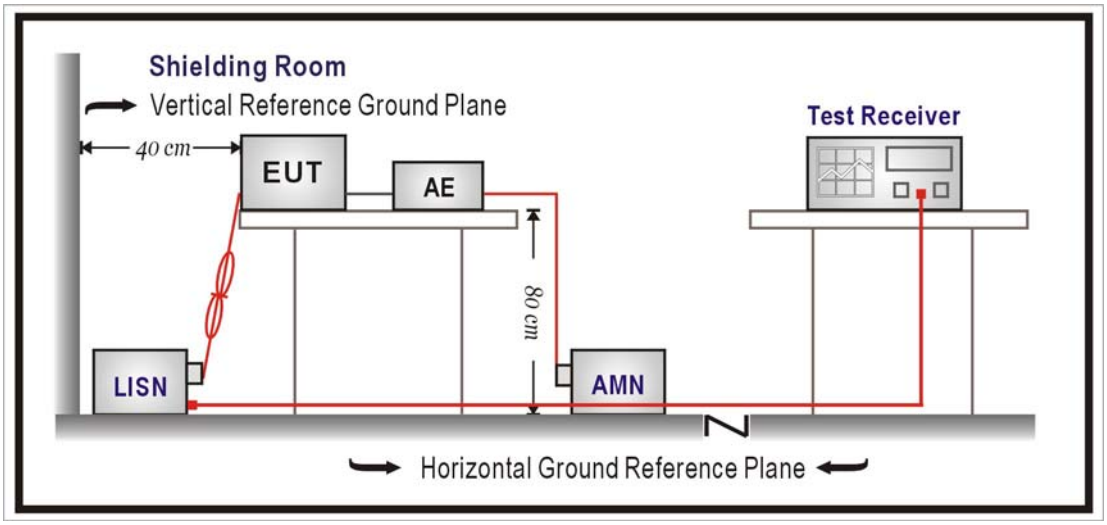
The following test equipments are used during the test:

Conducted Emission / SR2

Instrument	Manufacturer	Type No.	Serial No	Cal. Date
4-Wire ISN	R & S	ENY 41	837032/001	2008/04/15
Artificial Mains Network	R & S	ENV4200	848411/010	2009/03/13
Double 2-Wire ISN	R & S	ENY 22	835354/008	2008/04/15
LISN	R & S	ESH3-Z5	825562/002	2008/03/31
Pulse Limiter	R & S	ZSH3Z2	357.8810.54	2008/07/19
Test Receiver	R & S	ESCS 30	100122	2009/02/21

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

2.2. Test Setup



2.3. Limits

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

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

2.4. Test Procedure

The EUT was setup and tested according to ANSI C63.4, 2003.
The EUT and simulators are connected to the main power through a line impedance stabilization network (L.I.S.N.). This provides a 50 ohm /50uH coupling impedance for the measuring equipment. The peripheral devices are also connected to the main power through a LISN that provides a 50ohm/50uH coupling impedance with 50ohm termination. (Please refers to the block diagram of the test setup and photographs.)
Both sides of A.C. line are checked for maximum conducted interference. In order to find the maximum emission, the relative positions of equipment and all of the interface cables must be changed according to ANSI C63.4: 2003 on conducted measurement.
Conducted emissions were invested over the frequency range from 0.15MHz to 30MHz using a receiver bandwidth of 9kHz.

2.5. Test Specification

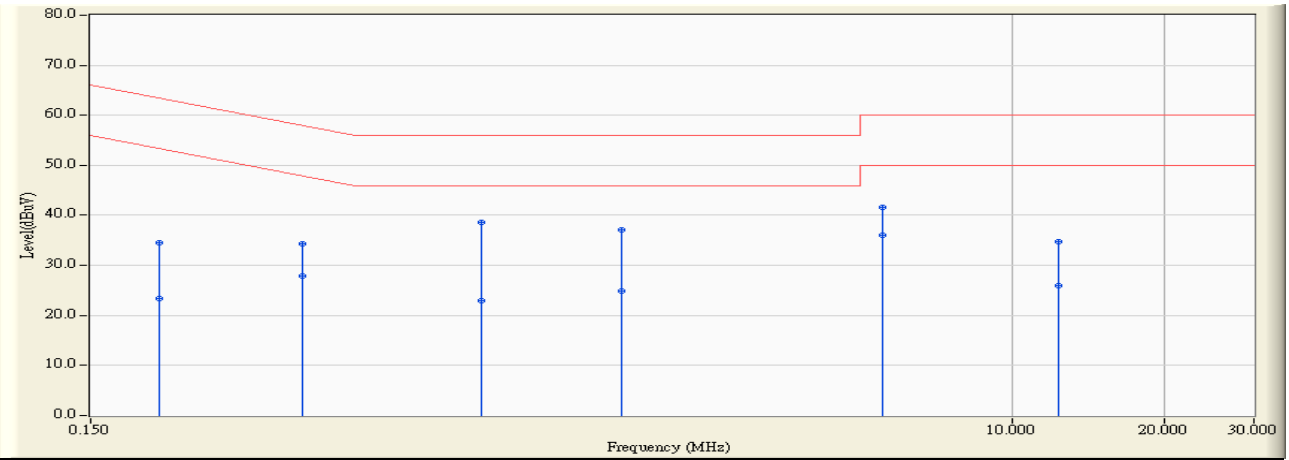
According to FCC Part 15 Subpart C Paragraph 15.207: 2009

2.6. Uncertainty

The measurement uncertainty is defined as ± 2.26 dB.

2.7. Test Result

Site : SR2	**Time : 2009/03/25 - 10:44**
Limit : CISPR_B_00M_QP	**Margin : 10**
Probe : SR2-LISN(16A) - Line1	**Power : AC 120V/60Hz**
EUT : Wireless N 150 Home Router	**Note : Mode 1: Transmit-802.11b**

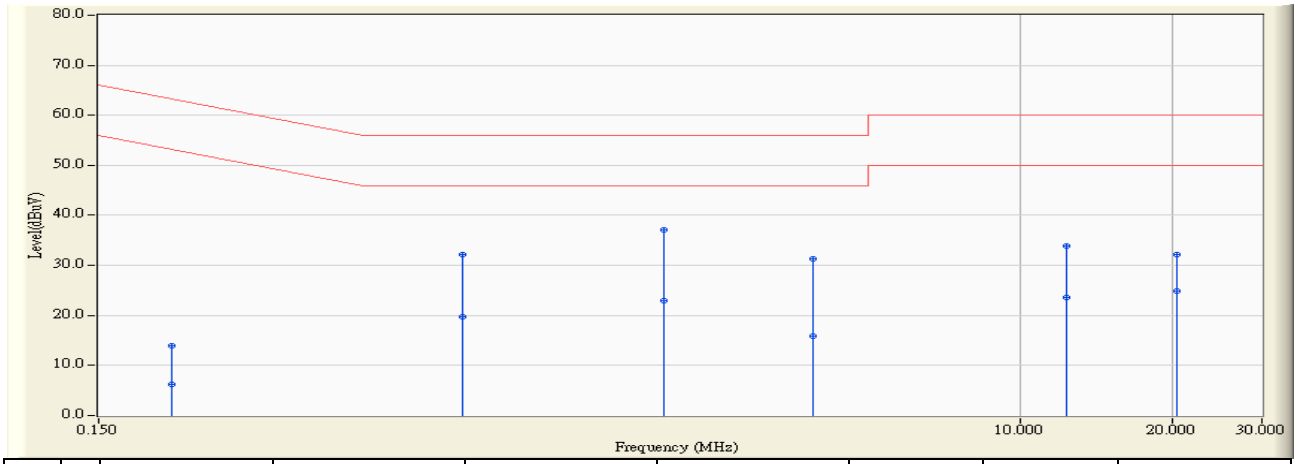


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1		0.205	9.663	24.940	34.603	-28.815	63.418	QUASIPEAK
2		0.205	9.663	13.750	23.413	-30.005	53.418	AVERAGE
3		0.393	9.762	24.560	34.322	-23.689	58.011	QUASIPEAK
4		0.393	9.762	18.110	27.872	-20.139	48.011	AVERAGE
5		0.892	9.820	28.820	38.640	-17.360	56.000	QUASIPEAK
6		0.892	9.820	13.100	22.920	-23.080	46.000	AVERAGE
7		1.681	9.813	27.280	37.093	-18.907	56.000	QUASIPEAK
8		1.681	9.813	15.060	24.873	-21.127	46.000	AVERAGE
9		5.537	9.874	31.770	41.644	-18.356	60.000	QUASIPEAK
10	*	5.537	9.874	26.160	36.034	-13.966	50.000	AVERAGE
11		12.349	10.111	24.650	34.761	-25.239	60.000	QUASIPEAK
12		12.349	10.111	15.750	25.861	-24.139	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 : SR2	**Time : 2009/03/25 - 10:51**
Limit : CISPR_B_00M_QP	**Margin : 10**
Probe : SR2-LISN(16A) - Line2	**Power : AC 120V/60Hz**
EUT : Wireless N 150 Home Router	**Note : Mode 1: Transmit-802.11b**

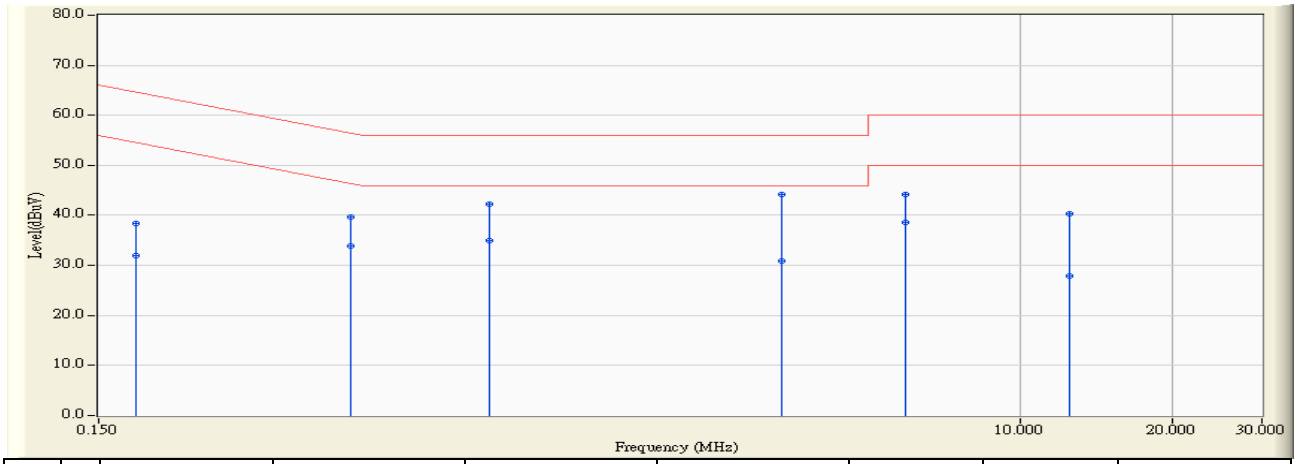


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1		0.209	9.688	4.200	13.888	-49.373	63.261	QUASIPEAK
2		0.209	9.688	-3.370	6.318	-46.943	53.261	AVERAGE
3		0.787	9.810	22.360	32.170	-23.830	56.000	QUASIPEAK
4		0.787	9.810	9.910	19.720	-26.280	46.000	AVERAGE
5	*	1.974	9.829	27.250	37.079	-18.921	56.000	QUASIPEAK
6		1.974	9.829	13.140	22.969	-23.031	46.000	AVERAGE
7		3.896	9.836	21.410	31.246	-24.754	56.000	QUASIPEAK
8		3.896	9.836	6.070	15.906	-30.094	46.000	AVERAGE
9		12.341	10.135	23.740	33.875	-26.125	60.000	QUASIPEAK
10		12.341	10.135	13.560	23.695	-26.305	50.000	AVERAGE
11		20.318	10.470	21.750	32.220	-27.780	60.000	QUASIPEAK
12		20.318	10.470	14.370	24.840	-25.160	50.000	AVERAGE

Note:

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

Site : SR2	**Time : 2009/03/25 - 11:02**
Limit : CISPR_B_00M_QP	**Margin : 10**
Probe : SR2-LISN(16A) - Line1	**Power : AC 120V/60Hz**
EUT : Wireless N 150 Home Router	**Note : Mode 1: Transmit-802.11g**

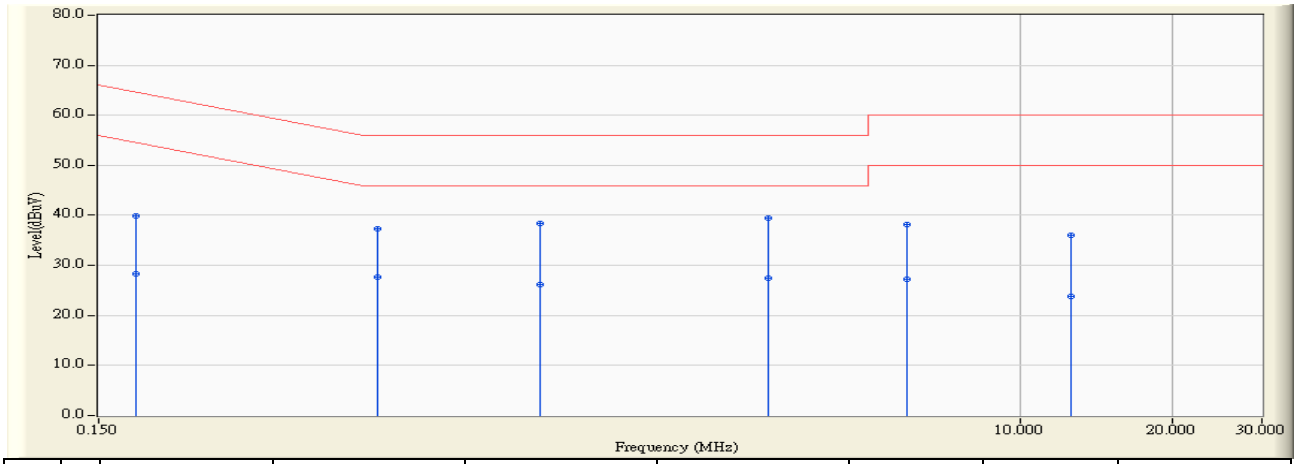


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1		0.177	9.654	28.770	38.425	-26.185	64.609	QUASIPEAK
2		0.177	9.654	22.230	31.885	-22.725	54.609	AVERAGE
3		0.474	9.806	29.860	39.666	-16.774	56.440	QUASIPEAK
4		0.474	9.806	24.020	33.826	-12.614	46.440	AVERAGE
5		0.888	9.820	32.520	42.340	-13.660	56.000	QUASIPEAK
6	*	0.888	9.820	25.160	34.980	-11.020	46.000	AVERAGE
7		3.377	9.828	34.340	44.168	-11.832	56.000	QUASIPEAK
8		3.377	9.828	21.160	30.988	-15.012	46.000	AVERAGE
9		5.935	9.892	34.380	44.272	-15.728	60.000	QUASIPEAK
10		5.935	9.892	28.710	38.602	-11.398	50.000	AVERAGE
11		12.459	10.112	30.190	40.302	-19.698	60.000	QUASIPEAK
12		12.459	10.112	17.670	27.782	-22.218	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 : SR2	**Time : 2009/03/25 - 11:09**
Limit : CISPR_B_00M_QP	**Margin : 10**
Probe : SR2-LISN(16A) - Line2	**Power : AC 120V/60Hz**
EUT : Wireless N 150 Home Router	**Note : Mode 1: Transmit-802.11g**

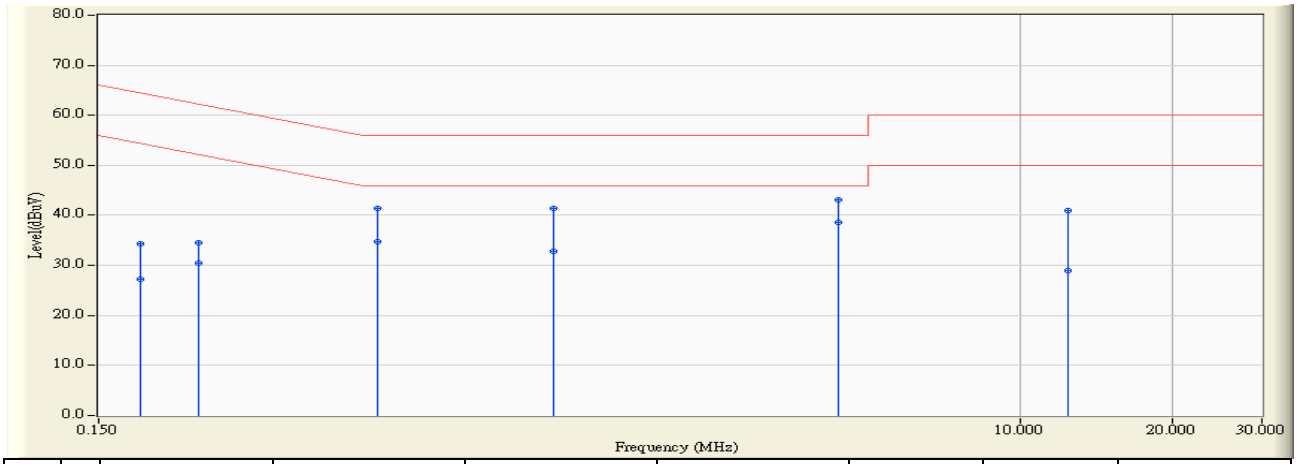


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1		0.177	9.703	30.270	39.973	-24.636	64.609	QUASIPEAK
2		0.177	9.703	18.540	28.243	-26.366	54.609	AVERAGE
3		0.533	9.810	27.550	37.360	-18.640	56.000	QUASIPEAK
4		0.533	9.810	17.830	27.640	-18.360	46.000	AVERAGE
5		1.123	9.812	28.630	38.442	-17.558	56.000	QUASIPEAK
6		1.123	9.812	16.430	26.242	-19.758	46.000	AVERAGE
7	*	3.170	9.834	29.630	39.464	-16.536	56.000	QUASIPEAK
8		3.170	9.834	17.610	27.444	-18.556	46.000	AVERAGE
9		5.943	9.897	28.310	38.206	-21.794	60.000	QUASIPEAK
10		5.943	9.897	17.390	27.286	-22.714	50.000	AVERAGE
11		12.556	10.137	25.910	36.047	-23.953	60.000	QUASIPEAK
12		12.556	10.137	13.630	23.767	-26.233	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 : SR2	**Time : 2009/03/25 - 11:14**
Limit : CISPR_B_00M_QP	**Margin : 10**
Probe : SR2-LISN(16A) - Line1	**Power : AC 120V/60Hz**
EUT : Wireless N 150 Home Router	**Note : Mode 1: Transmit-802.11n(20M)**

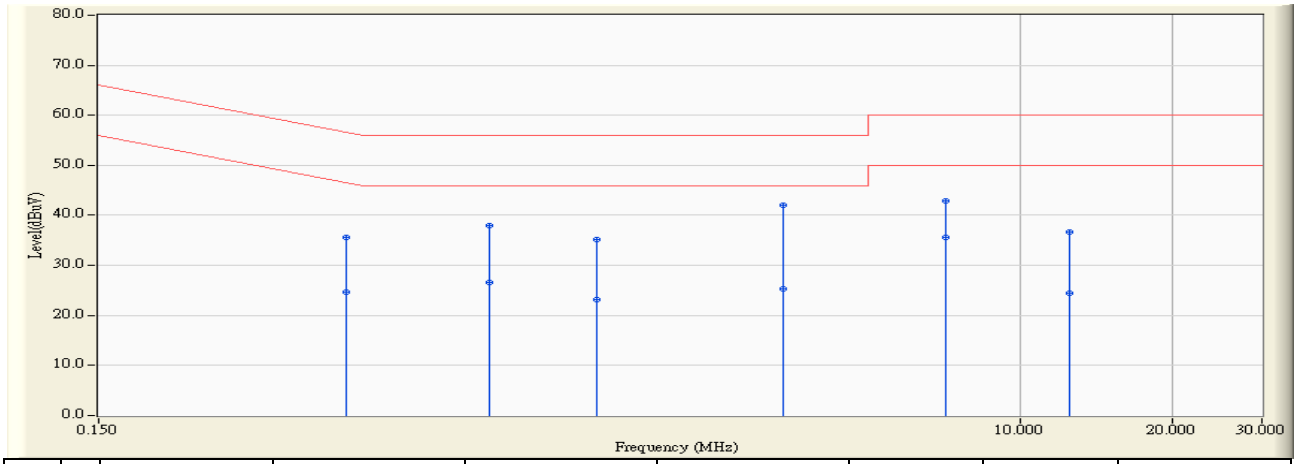


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1		0.181	9.655	24.730	34.385	-30.043	64.428	QUASIPEAK
2		0.181	9.655	17.550	27.205	-27.223	54.428	AVERAGE
3		0.236	9.678	24.960	34.637	-27.601	62.238	QUASIPEAK
4		0.236	9.678	20.790	30.467	-21.771	52.238	AVERAGE
5		0.533	9.820	31.670	41.490	-14.510	56.000	QUASIPEAK
6		0.533	9.820	24.920	34.740	-11.260	46.000	AVERAGE
7		1.189	9.818	31.570	41.388	-14.612	56.000	QUASIPEAK
8		1.189	9.818	23.000	32.818	-13.182	46.000	AVERAGE
9		4.353	9.841	33.170	43.011	-12.989	56.000	QUASIPEAK
10	*	4.353	9.841	28.690	38.531	-7.469	46.000	AVERAGE
11		12.380	10.111	30.850	40.961	-19.039	60.000	QUASIPEAK
12		12.380	10.111	18.810	28.921	-21.079	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 : SR2	**Time : 2009/03/25 - 11:17**
Limit : CISPR_B_00M_QP	**Margin : 10**
Probe : SR2-LISN(16A) - Line2	**Power : AC 120V/60Hz**
EUT : Wireless N 150 Home Router	**Note : Mode 1: Transmit-802.11n(20M)**

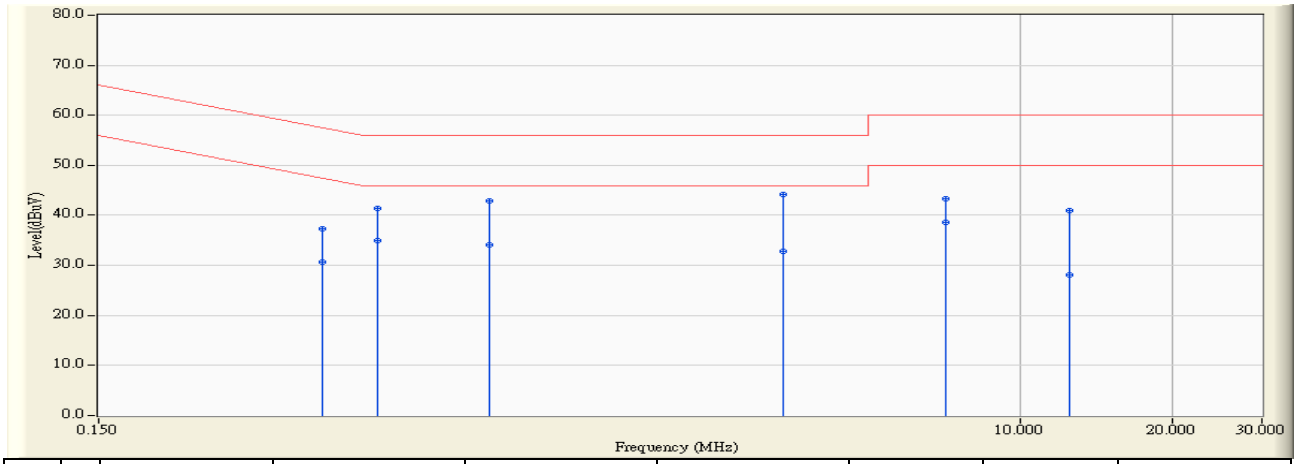


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1		0.463	9.793	25.800	35.593	-21.054	56.648	QUASIPEAK
2		0.463	9.793	14.880	24.673	-21.974	46.648	AVERAGE
3		0.888	9.810	28.060	37.870	-18.130	56.000	QUASIPEAK
4		0.888	9.810	16.680	26.490	-19.510	46.000	AVERAGE
5		1.455	9.819	25.290	35.109	-20.891	56.000	QUASIPEAK
6		1.455	9.819	13.400	23.219	-22.781	46.000	AVERAGE
7	*	3.388	9.835	32.130	41.965	-14.035	56.000	QUASIPEAK
8		3.388	9.835	15.570	25.405	-20.595	46.000	AVERAGE
9		7.123	9.966	32.870	42.836	-17.164	60.000	QUASIPEAK
10		7.123	9.966	25.700	35.666	-14.334	50.000	AVERAGE
11		12.494	10.137	26.500	36.637	-23.363	60.000	QUASIPEAK
12		12.494	10.137	14.380	24.517	-25.483	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 : SR2	**Time : 2009/03/25 - 11:22**
Limit : CISPR_B_00M_QP	**Margin : 10**
Probe : SR2-LISN(16A) - Line1	**Power : AC 120V/60Hz**
EUT : Wireless N 150 Home Router	**Note : Mode 1: Transmit-802.11n(40M)**

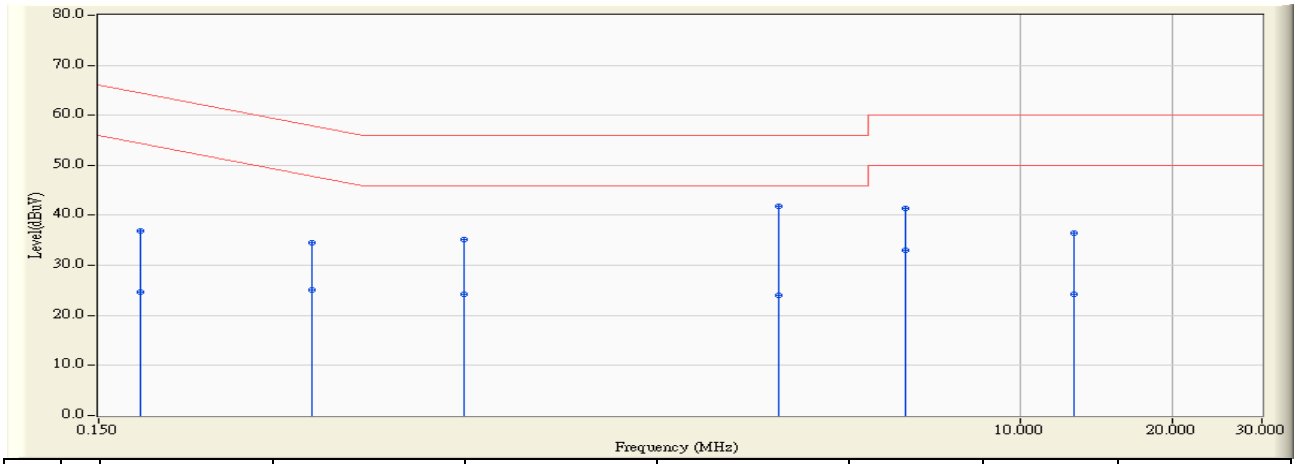


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1		0.416	9.774	27.630	37.404	-20.131	57.535	QUASIPEAK
2		0.416	9.774	20.880	30.654	-16.881	47.535	AVERAGE
3		0.533	9.820	31.510	41.330	-14.670	56.000	QUASIPEAK
4	*	0.533	9.820	25.050	34.870	-11.130	46.000	AVERAGE
5		0.892	9.820	33.000	42.820	-13.180	56.000	QUASIPEAK
6		0.892	9.820	24.260	34.080	-11.920	46.000	AVERAGE
7		3.380	9.828	34.460	44.288	-11.712	56.000	QUASIPEAK
8		3.380	9.828	22.940	32.768	-13.232	46.000	AVERAGE
9		7.123	9.947	33.300	43.247	-16.753	60.000	QUASIPEAK
10		7.123	9.947	28.610	38.557	-11.443	50.000	AVERAGE
11		12.459	10.112	30.770	40.882	-19.118	60.000	QUASIPEAK
12		12.459	10.112	17.890	28.002	-21.998	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 : SR2	**Time : 2009/03/25 - 11:25**
Limit : CISPR_B_00M_QP	**Margin : 10**
Probe : SR2-LISN(16A) - Line2	**Power : AC 120V/60Hz**
EUT : Wireless N 150 Home Router	**Note : Mode 1: Transmit-802.11n(40M)**



		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1		0.181	9.699	27.120	36.819	-27.609	64.428	QUASIPEAK
2		0.181	9.699	14.880	24.579	-29.849	54.428	AVERAGE
3		0.396	9.764	24.740	34.504	-23.431	57.935	QUASIPEAK
4		0.396	9.764	15.270	25.034	-22.901	47.935	AVERAGE
5		0.795	9.810	25.340	35.150	-20.850	56.000	QUASIPEAK
6		0.795	9.810	14.410	24.220	-21.780	46.000	AVERAGE
7	*	3.326	9.834	32.070	41.904	-14.096	56.000	QUASIPEAK
8		3.326	9.834	14.170	24.004	-21.996	46.000	AVERAGE
9		5.934	9.896	31.550	41.446	-18.554	60.000	QUASIPEAK
10		5.934	9.896	23.060	32.956	-17.044	50.000	AVERAGE
11		12.716	10.140	26.290	36.430	-23.570	60.000	QUASIPEAK
12		12.716	10.140	14.080	24.220	-25.780	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

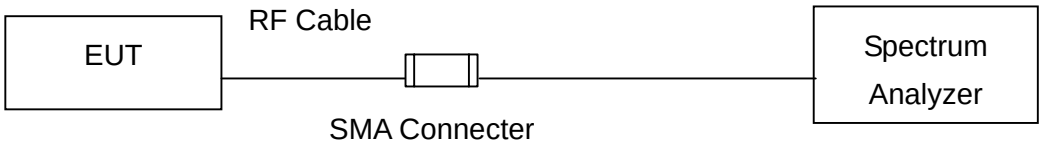
The following test equipments are used during the test:

Item	Equipment	Manufacturer	Model No. / Serial No.	Last Cal.
1	Spectrum Analyzer	R & S	FSP / 100561	Mar., 2009
2	No.1 OATS			Sep., 2008

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

3.2. Test Setup

IEEE 802.11 b / g /n (20M / 40M) MODE



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 N 150 Home Router		
Test Item	Peak Power Output		
Test Mode	Transmit		
Date of Test	2009/03/30	Test Site	No.1 OATS

IEEE 802.11b				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
1	2412	18.82	1Watt= 30 dBm	Pass
6	2437	18.84	1Watt= 30 dBm	Pass
11	2462	18.94	1Watt= 30 dBm	Pass

Peak Power Output Value (dBm)						
Channel No.	Frequency (MHz)	Data Rate				Required Limit
		1 Mbps	2Mbps	5.5Mbps	11Mbps	
1	2412.00	18.71	18.74	18.80	18.82	1Watt= 30 dBm
6	2437.00	18.73	18.77	18.81	18.84	1Watt= 30 dBm
11	2462.00	18.75	18.79	18.83	18.94	1Watt= 30 dBm

Note: Measure Level =Reading value + cable loss

Product	Wireless N 150 Home Router		
Test Item	Peak Power Output		
Test Mode	Transmit		
Date of Test	2009/03/30	Test Site	No.1 OATS

IEEE 802.11g				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
1	2412	23.70	1Watt= 30 dBm	Pass
6	2437	23.72	1Watt= 30 dBm	Pass
11	2462	24.16	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	23.32	23.41	23.44	23.49	23.52	23.57	23.65	23.70	1Watt= 30 dBm
6	2437.00	23.36	23.42	23.49	23.53	23.57	23.61	23.69	23.72	1Watt= 30 dBm
11	2462.00	23.47	23.52	23.55	23.67	23.79	23.84	23.91	24.16	1Watt= 30 dBm

Note: Measure Level =Reading value + cable loss

Product	Wireless N 150 Home Router		
Test Item	Peak Power Output		
Test Mode	Transmit		
Date of Test	2009/03/30	Test Site	No.1 OATS

IEEE 802.11n 20MHz_Tx

The worst emission of data rate is 6.5Mbps.

Peak Power Output (dBm)										
MCS Index		0	1	2	3	4	5	6	7	Required Limit
Channel No	Frequency (MHz)	Data Rate								
		6.5	13	19.5	26	39	52	58.5	65	
1	2412	22.54	22.47	22.41	22.34	22.31	22.27	22.22	22.14	30dBm
6	2437	22.56	22.52	22.43	22.37	22.41	22.30	22.27	22.18	30dBm
11	2462	22.78	22.73	22.63	22.56	22.50	22.49	22.35	22.24	30dBm

Product	Wireless N 150 Home Router		
Test Item	Peak Power Output		
Test Mode	Transmit		
Date of Test	2009/03/30	Test Site	No.1 OATS

IEEE 802.11n MCS0 20MHz_Tx ; ANT A				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
1	2412	22.54	1Watt= 30 dBm	Pass
6	2437	22.56	1Watt= 30 dBm	Pass
11	2462	22.78	1Watt= 30 dBm	Pass

Product	Wireless N 150 Home Router		
Test Item	Peak Power Output		
Test Mode	Transmit		
Date of Test	2009/03/30	Test Site	No.1 OATS

IEEE802.11n 40MHz_Tx

The worst emission of data rate is 13Mbps

Peak Power Output (dBm)										
MCS Index		0	1	2	3	4	5	6	7	Required Limit
Channel No	Frequency (MHz)	Data Rate								
		6.5	13	19.5	26	39	52	58.5	65	
1	2412	22.67	22.71	22.64	22.58	22.49	22.43	22.36	22.30	30dBm
6	2437	22.69	22.74	22.67	22.63	22.52	22.50	22.40	22.36	30dBm
11	2462	22.91	22.94	22.85	22.81	22.64	22.62	22.53	22.47	30dBm

Product	Wireless N 150 Home Router		
Test Item	Peak Power Output		
Test Mode	Transmit		
Date of Test	2009/03/30	Test Site	No.1 OATS

IEEE802.11n ;MCS1 40MHz_Tx ; ANT A				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
3	2422	22.71	1Watt= 30 dBm	Pass
6	2437	22.74	1Watt= 30 dBm	Pass
9	2452	22.94	1Watt= 30 dBm	Pass

4. Radiated Emission

4.1. Test Equipment

The following test equipments are used during the test:

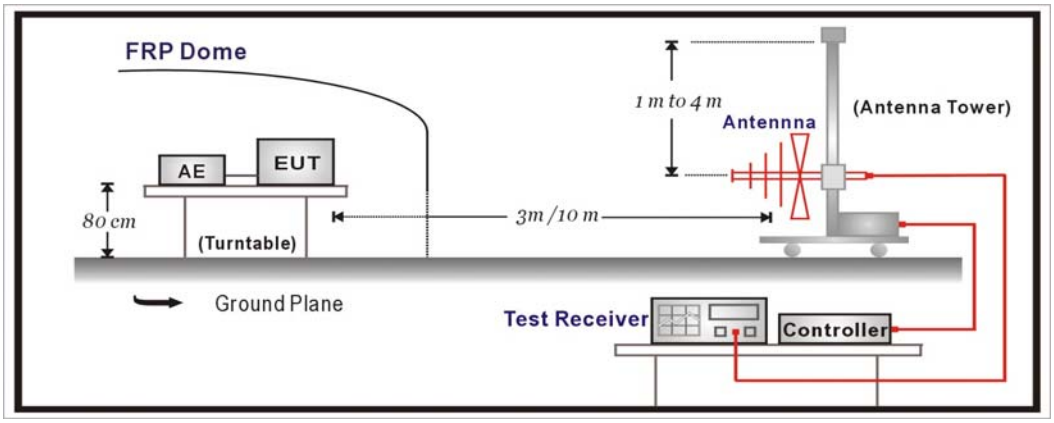
Item	Equipment		Manufacturer	Model No. / Serial No.	Last Cal.
1	X	Test Receiver	R & S	ESCS 30 / 836858/023	Apr., 2008
2	X	Spectrum Analyzer	R & S	FSP40 / 100005	Aug., 2008
3	X	Pre-Amplifier	HP	8449B / 3008A01123	Nov., 2008
4	X	Bilog Antenna	Schaffner	CBL6112B / 2708	Sep., 2008
5	X	Spectrum Analyzer	Advantest	R3162 / 121200166	Feb., 2009
6	X	Pre-Amplifier	QuieTek	AP-025C / 002	N/A
7	X	Horn Antenna	Electro Metrics	EM-6961 / 103325	Mar., 2009
8	No.2 OATS				Sep., 2008

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

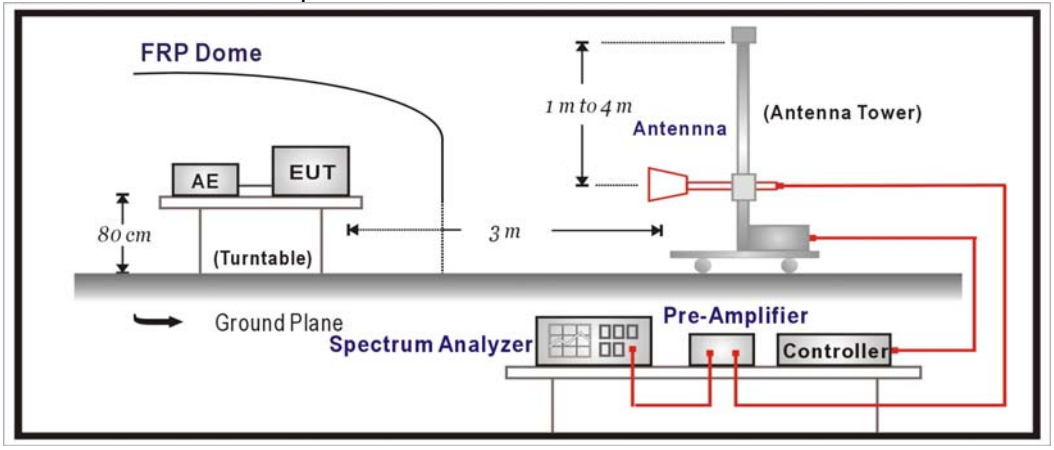
2. Last Cal showing “N/A” means it is used to Pre-test, not for final test.

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 FHSS test procedure of FCC Public Notice DA 00-705 for compliance to FCC 47CFR 15.247 requirements.
The EUT and its simulators are placed on a turn table which is 0.8 meter above ground. The turn table can rotate 360 degrees to determine the position of the maximum emission level. The antenna can move up and down between 1 meter and 4 meters to find out the maximum emission level.
Both horizontal and vertical polarization of the antenna are set on measurement. In order to find the maximum emission, all of the interface cables must be manipulated according to ANSI C63.4:2003 on radiated measurement.
On any frequency or frequencies below or equal to 1000 MHz, the limits shown are based on measuring equipment employing a quasi-peak detector function and on any frequency or frequencies above 1000 MHz the radiated limits shown are based upon the use of measurement instrumentation employing an average detector function. When average radiated emission measurement are included emission measurement below 1000 MHz, there also is a limit on the radio frequency emissions, as measured using instrumentation with a peak detector function, corresponding to 20 dB above the maximum permitted average limit. The bandwidth below 1GHz setting on the field strength meter is 120 kHz and above 1GHz is 1MHz.

4.5. Test Specification

According to FCC Part 15 Subpart C Paragraph 15.207: 2009

4.6. Uncertainty

The measurement uncertainty

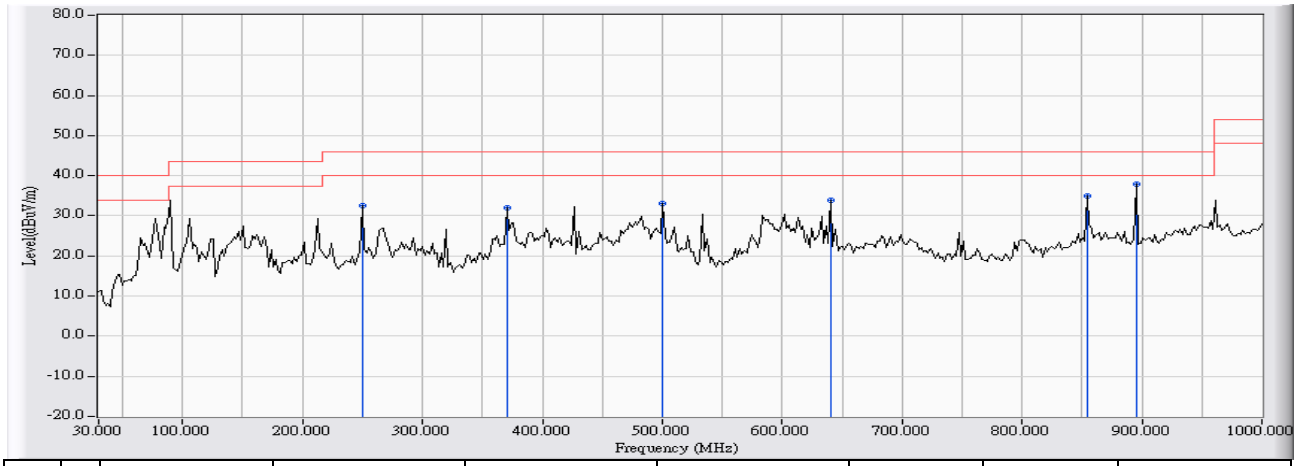
30MHz～1GHz as ±3.19dB

1GHz～26.5Ghz as ±3.9dB

4.7. Test Result

30MHz-1GHz Spurious

Site : Site 2	**Time : 2009/04/16 - 08:53**
Limit : FCC_CLASS_B_03M_QP	**Margin : 6**
Probe : Site 2_FCC_30-1G(2008-9) - HORIZONTAL	**Power : AC 120V / 60Hz**
EUT : Wireless N 150 Home Router	**Note : Mode 1: Transmit-802.11b-2437**

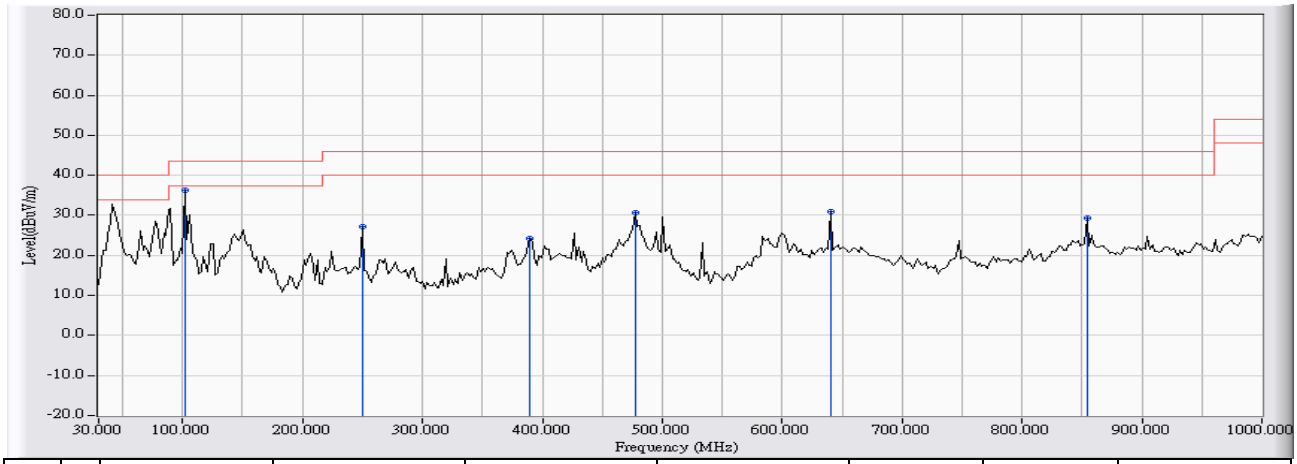


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		249.659	-12.789	45.302	32.513	-13.487	46.000	QUASIPEAK
2		370.180	-10.004	41.982	31.978	-14.022	46.000	QUASIPEAK
3		500.421	-6.803	39.931	33.128	-12.872	46.000	QUASIPEAK
4		640.381	-2.141	36.040	33.899	-12.101	46.000	QUASIPEAK
5		854.208	0.320	34.684	35.005	-10.995	46.000	QUASIPEAK
6	*	895.030	-1.580	39.596	38.016	-7.984	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 2	**Time : 2009/04/16 - 08:57**
Limit : FCC_CLASS_B_03M_QP	**Margin : 6**
Probe : Site 2_FCC_30-1G(2008-9) - VERTICAL	**Power : AC 120V / 60Hz**
EUT : Wireless N 150 Home Router	**Note : Mode 1: Transmit-802.11b-2437**

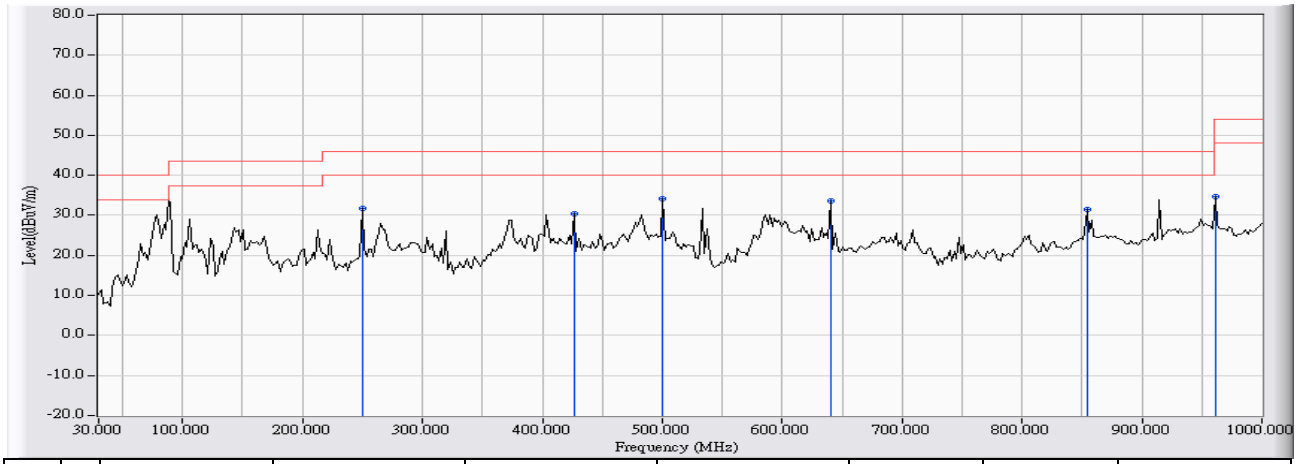


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	101.924	-11.234	47.507	36.273	-7.227	43.500	QUASIPEAK
2		249.659	-13.539	40.808	27.268	-18.732	46.000	QUASIPEAK
3		389.619	-7.086	31.388	24.302	-21.698	46.000	QUASIPEAK
4		477.094	-3.375	34.036	30.661	-15.339	46.000	QUASIPEAK
5		640.381	-2.769	33.718	30.949	-15.051	46.000	QUASIPEAK
6		854.208	-2.002	31.361	29.359	-16.641	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 2	**Time : 2009/04/16 - 09:05**
Limit : FCC_CLASS_B_03M_QP	**Margin : 6**
Probe : Site 2_FCC_30-1G(2008-9) - HORIZONTAL	**Power : AC 120V / 60Hz**
EUT : Wireless N 150 Home Router	**Note : Mode 1: Transmit-802.11g-2437**

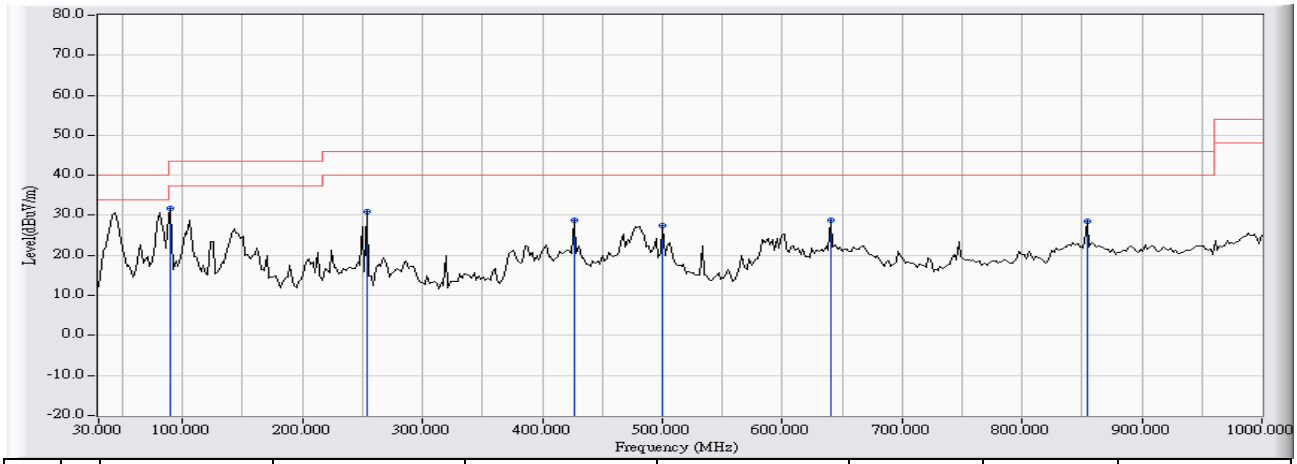


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		249.659	-12.789	44.586	31.797	-14.203	46.000	QUASIPEAK
2		426.553	-4.453	34.956	30.503	-15.497	46.000	QUASIPEAK
3	*	500.421	-6.803	40.830	34.027	-11.973	46.000	QUASIPEAK
4		640.381	-2.141	35.839	33.698	-12.302	46.000	QUASIPEAK
5		854.208	0.320	31.184	31.505	-14.495	46.000	QUASIPEAK
6		961.122	2.272	32.404	34.676	-19.324	54.000	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 2	**Time : 2009/04/16 - 09:09**
Limit : FCC_CLASS_B_03M_QP	**Margin : 6**
Probe : Site 2_FCC_30-1G(2008-9) - VERTICAL	**Power : AC 120V / 60Hz**
EUT : Wireless N 150 Home Router	**Note : Mode 1: Transmit-802.11g-2437**

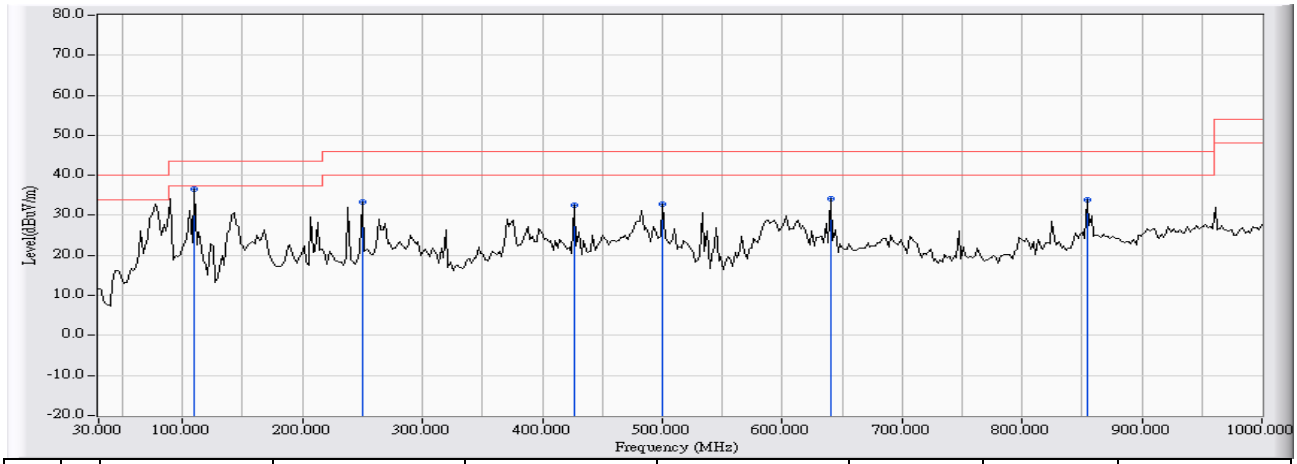


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	90.261	-12.598	44.397	31.799	-11.701	43.500	QUASIPEAK
2		253.547	-14.138	45.027	30.888	-15.112	46.000	QUASIPEAK
3		426.553	-5.233	33.899	28.665	-17.335	46.000	QUASIPEAK
4		500.421	-6.120	33.545	27.426	-18.574	46.000	QUASIPEAK
5		640.381	-2.769	31.491	28.722	-17.278	46.000	QUASIPEAK
6		854.208	-2.002	30.430	28.428	-17.572	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 2	**Time : 2009/04/16 - 09:19**
Limit : FCC_CLASS_B_03M_QP	**Margin : 6**
Probe : Site 2_FCC_30-1G(2008-9) - HORIZONTAL	**Power : AC 120V / 60Hz**
EUT : Wireless N 150 Home Router	**Note : Mode 1: Transmit-802.11g-20M-2437**

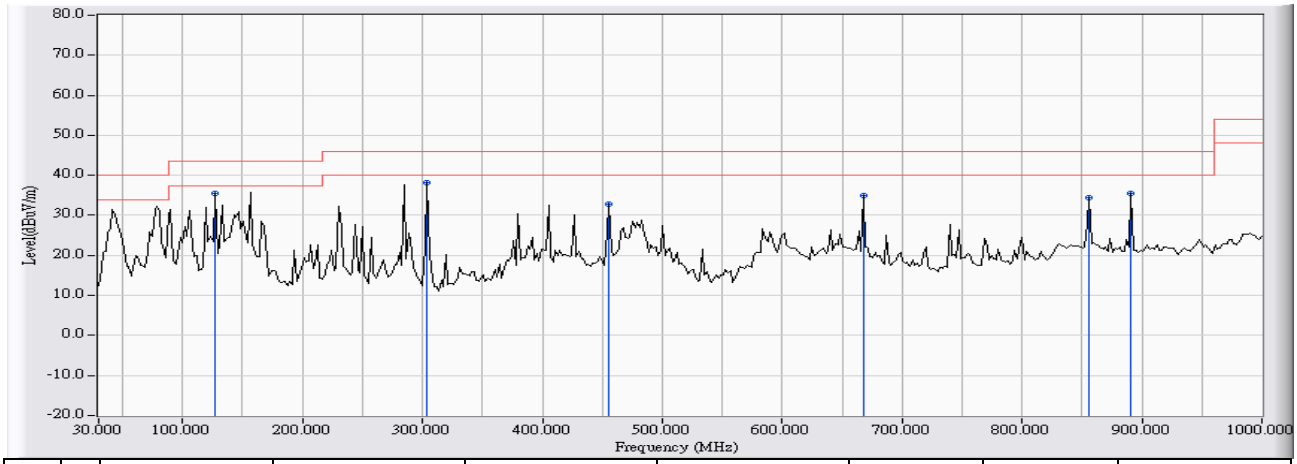


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	109.699	-14.930	51.605	36.675	-6.825	43.500	QUASIPEAK
2		249.659	-12.789	46.266	33.477	-12.523	46.000	QUASIPEAK
3		426.553	-4.453	36.990	32.537	-13.463	46.000	QUASIPEAK
4		500.421	-6.803	39.685	32.882	-13.118	46.000	QUASIPEAK
5		640.381	-2.141	36.278	34.137	-11.863	46.000	QUASIPEAK
6		854.208	0.320	33.484	33.805	-12.195	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 2	**Time : 2009/04/16 - 09:23**
Limit : FCC_CLASS_B_03M_QP	**Margin : 6**
Probe : Site 2_FCC_30-1G(2008-9) - VERTICAL	**Power : AC 120V / 60Hz**
EUT : Wireless N 150 Home Router	**Note : Mode 1: Transmit-802.11g-20M-2437**

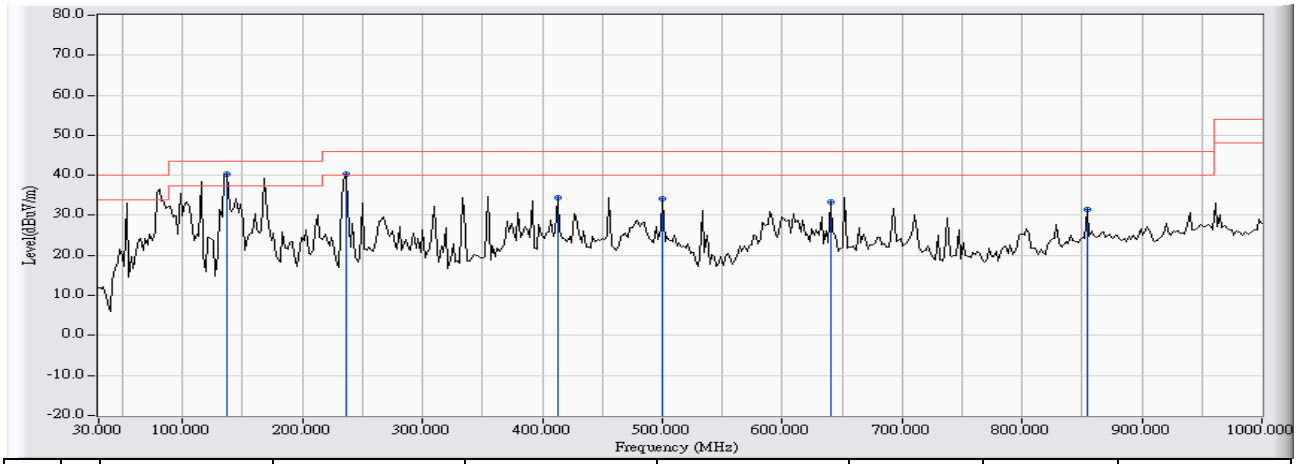


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		127.194	-11.363	46.874	35.511	-7.989	43.500	QUASIPEAK
2	*	304.088	-13.541	51.796	38.256	-7.744	46.000	QUASIPEAK
3		455.711	-6.739	39.596	32.857	-13.143	46.000	QUASIPEAK
4		667.595	-2.736	37.826	35.090	-10.910	46.000	QUASIPEAK
5		856.152	-1.949	36.498	34.549	-11.451	46.000	QUASIPEAK
6		891.142	-2.154	37.584	35.430	-10.570	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 2	**Time : 2009/04/16 - 09:32**
Limit : FCC_CLASS_B_03M_QP	**Margin : 6**
Probe : Site 2_FCC_30-1G(2008-9) - HORIZONTAL	**Power : AC 120V / 60Hz**
EUT : Wireless N 150 Home Router	**Note : Mode 1: Transmit-802.11g-40M-2437**

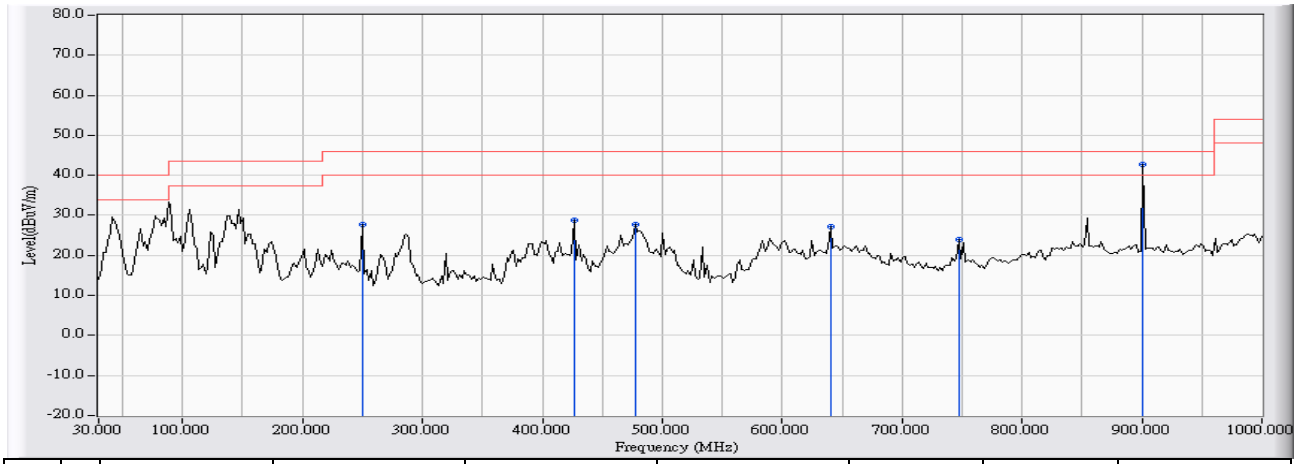


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	136.914	-15.413	55.651	40.238	-3.262	43.500	QUASIPEAK
2		236.052	-12.339	52.729	40.390	-5.610	46.000	QUASIPEAK
3		412.946	-4.634	39.056	34.422	-11.578	46.000	QUASIPEAK
4		500.421	-6.803	40.961	34.158	-11.842	46.000	QUASIPEAK
5		640.381	-2.141	35.412	33.271	-12.729	46.000	QUASIPEAK
6		854.208	0.320	31.102	31.423	-14.577	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 2	**Time : 2009/04/16 - 09:47**
Limit : FCC_CLASS_B_03M_QP	**Margin : 6**
Probe : Site 2_FCC_30-1G(2008-9) - VERTICAL	**Power : AC 120V / 60Hz**
EUT : Wireless N 150 Home Router	**Note : Mode 1: Transmit-802.11g-40M-2437**



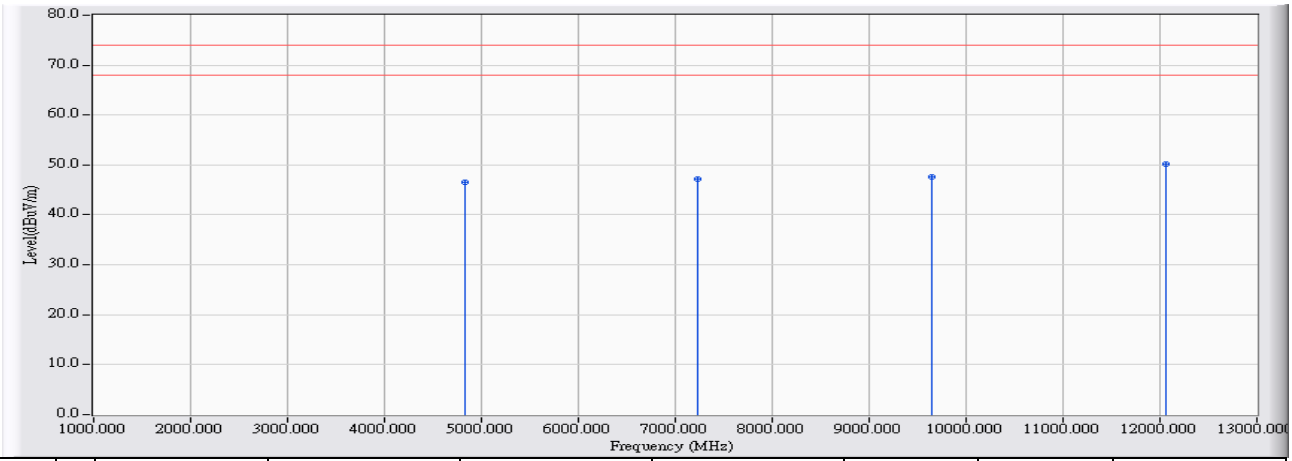
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		249.659	-13.539	41.278	27.738	-18.262	46.000	QUASIPEAK
2		426.553	-5.233	34.093	28.859	-17.141	46.000	QUASIPEAK
3		477.094	-3.375	31.060	27.685	-18.315	46.000	QUASIPEAK
4		640.381	-2.769	30.063	27.294	-18.706	46.000	QUASIPEAK
5		747.295	-4.792	28.652	23.860	-22.140	46.000	QUASIPEAK
6	*	900.862	-2.901	45.648	42.747	-3.253	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 2	**Time : 2009/04/05 - 13:40**
Limit : FCC_SpartC_15.247_H_03M_PK	**Margin : 6**
Probe : Site 2_FCC_1-18G(2009-01) - HORIZONTAL	**Power : AC 120V / 60Hz**
EUT : Wireless N 150 Home Router	**Note : TX-802.11b-2412**

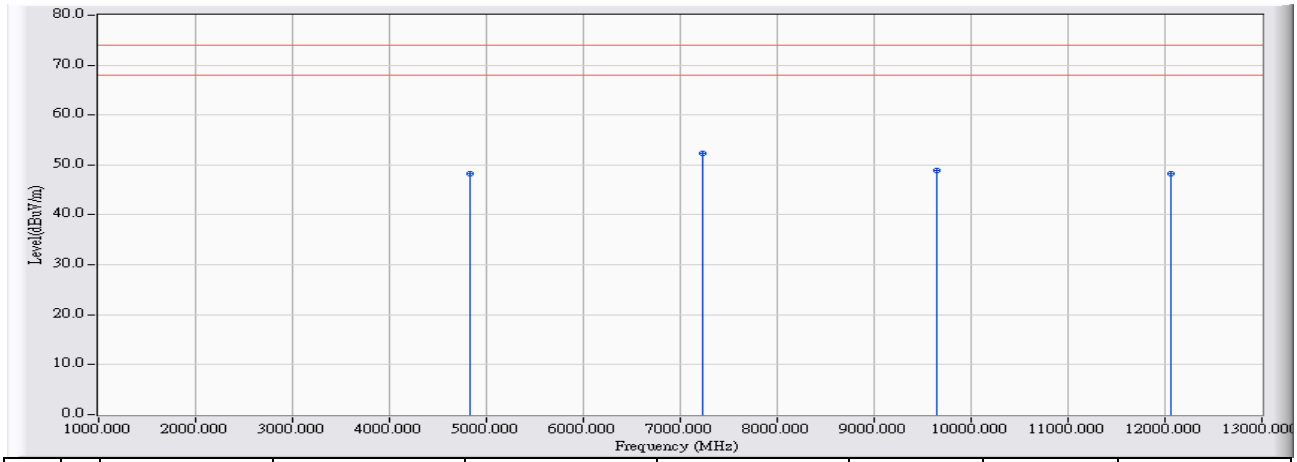


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4824.000	4.425	42.190	46.615	-27.385	74.000	PEAK
2		7233.026	10.366	36.920	47.286	-26.714	74.000	PEAK
3		9647.910	14.211	33.300	47.511	-26.489	74.000	PEAK
4	*	12060.047	19.748	30.350	50.098	-23.902	74.000	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 2	**Time : 2009/04/05 - 14:10**
Limit : FCC_SpartC_15.247_H_03M_PK	**Margin : 6**
Probe : Site 2_FCC_1-18G(2009-01) - VERTICAL	**Power : AC 120V / 60Hz**
EUT : Wireless N 150 Home Router	**Note : TX-802.11b-2412**

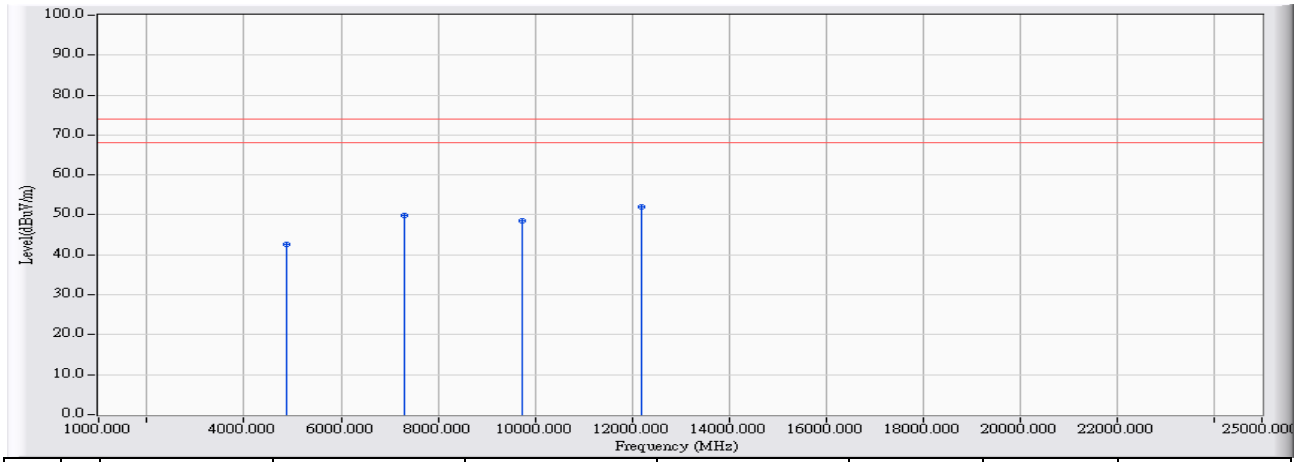


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4824.028	4.317	43.890	48.206	-25.794	74.000	PEAK
2	*	7236.981	10.469	41.770	52.239	-21.761	74.000	PEAK
3		9648.075	14.429	34.430	48.859	-25.141	74.000	PEAK
4		12058.410	18.647	29.690	48.337	-25.663	74.000	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 2	**Time : 2009/03/25 - 13:28**
Limit : FCC_SpartC_15.247_H_03M_PK	**Margin : 6**
Probe : Site 2_FCC_1-18G(2009-01) - HORIZONTAL	**Power : AC 120V / 60Hz**
EUT : Wireless N 150 Home Router	**Note : TX-802.11b-2437**

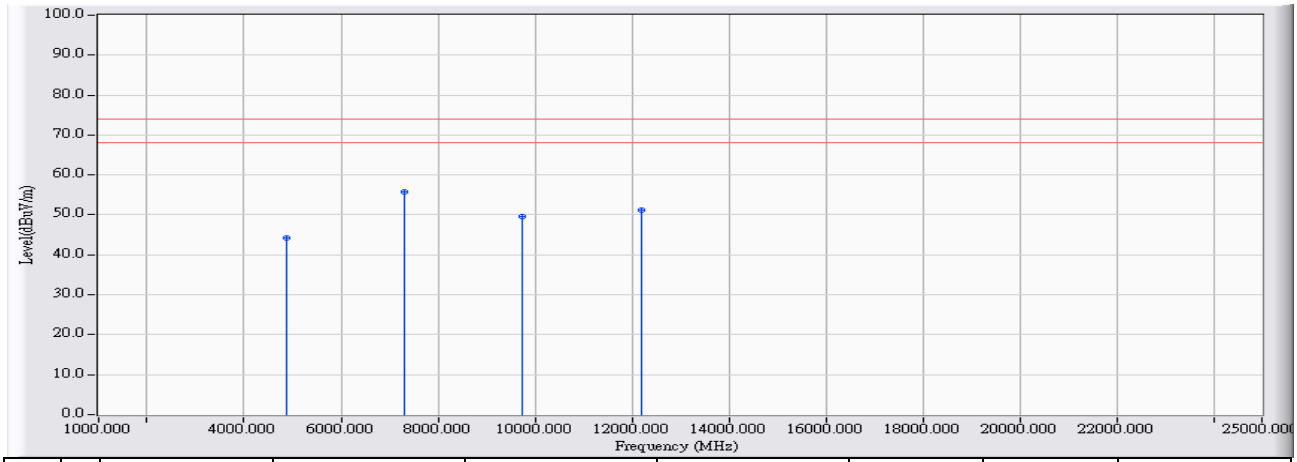


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4874.230	4.573	38.120	42.693	-31.307	74.000	PEAK
2		7312.100	10.789	39.110	49.899	-24.101	74.000	PEAK
3		9748.670	14.811	33.800	48.611	-25.389	74.000	PEAK
4	*	12185.340	19.246	32.870	52.116	-21.884	74.000	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 2	**Time : 2009/03/25 - 13:29**
Limit : FCC_SpartC_15.247_H_03M_PK	**Margin : 6**
Probe : Site 2_FCC_1-18G(2009-01) - VERTICAL	**Power : AC 120V / 60Hz**
EUT : Wireless N 150 Home Router	**Note : TX-802.11b-2437**

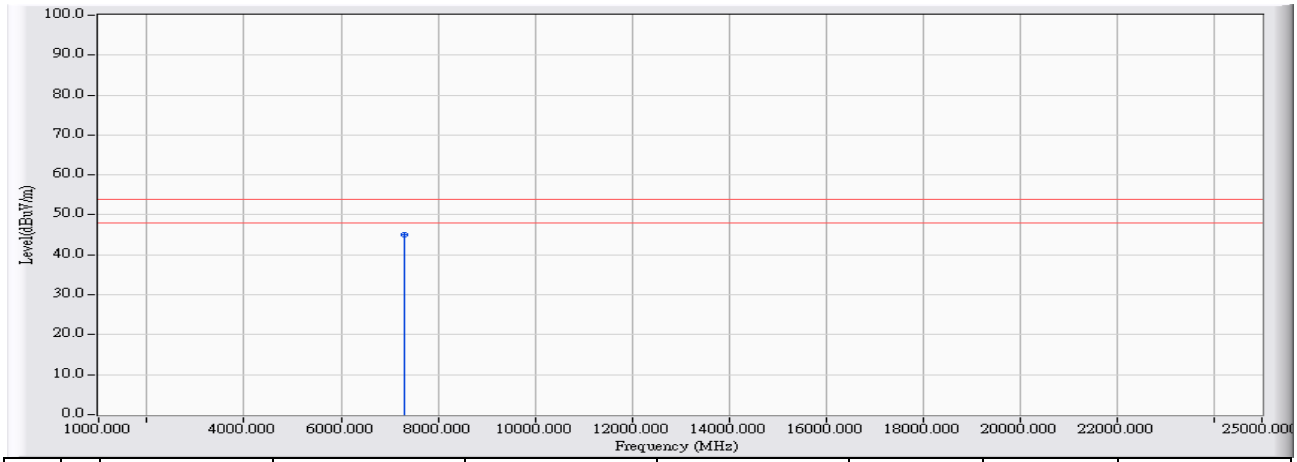


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4874.310	4.534	39.830	44.364	-29.636	74.000	PEAK
2	*	7311.970	10.566	45.080	55.646	-18.354	74.000	PEAK
3		9748.470	14.966	34.750	49.717	-24.283	74.000	PEAK
4		12185.620	18.161	33.160	51.321	-22.679	74.000	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 2	**Time : 2009/03/25 - 13:36**
Limit : FCC_SpartC_15.247_H_03M_AV	**Margin : 6**
Probe : Site 2_FCC_1-18G(2009-01) - VERTICAL	**Power : AC 120V / 60Hz**
EUT : Wireless N 150 Home Router	**Note : TX-802.11b-2437**

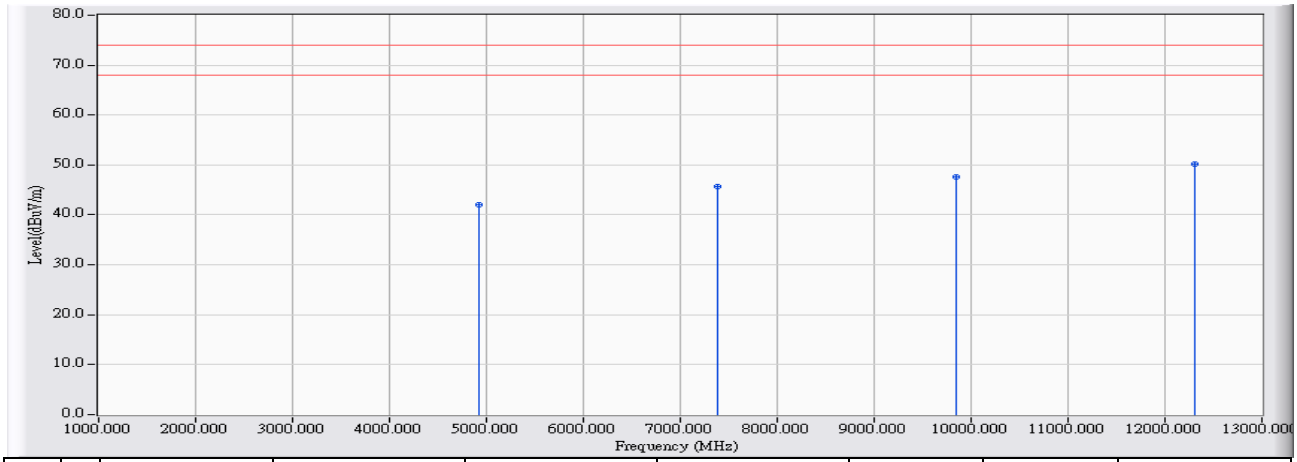


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	7311.550	10.566	34.590	45.156	-8.844	54.000	AVERAGE

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 2	**Time : 2009/04/05 - 14:40**
Limit : FCC_SpartC_15.247_H_03M_PK	**Margin : 6**
Probe : Site 2_FCC_1-18G(2009-01) - HORIZONTAL	**Power : AC 120V / 60Hz**
EUT : Wireless N 150 Home Router	**Note : TX-802.11b-2462**

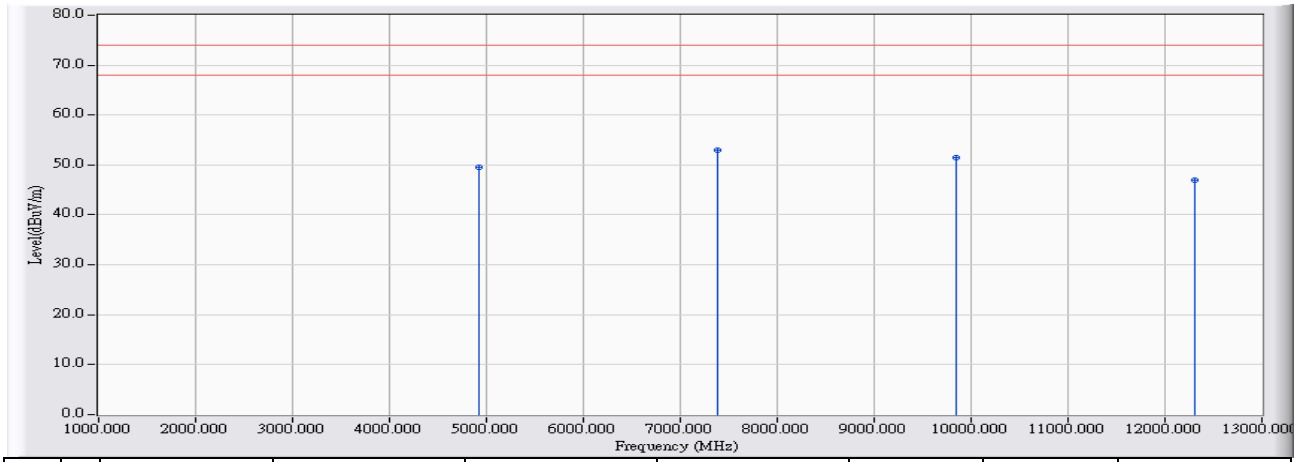


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4923.970	4.729	37.300	42.029	-31.971	74.000	PEAK
2		7386.020	11.195	34.500	45.695	-28.305	74.000	PEAK
3		9848.000	15.392	32.270	47.662	-26.338	74.000	PEAK
4	*	12310.048	18.756	31.410	50.166	-23.834	74.000	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 2	**Time : 2009/04/05 - 15:10**
Limit : FCC_SpartC_15.247_H_03M_PK	**Margin : 6**
Probe : Site 2_FCC_1-18G(2009-01) - VERTICAL	**Power : AC 120V / 60Hz**
EUT : Wireless N 150 Home Router	**Note : TX-802.11b-2462**

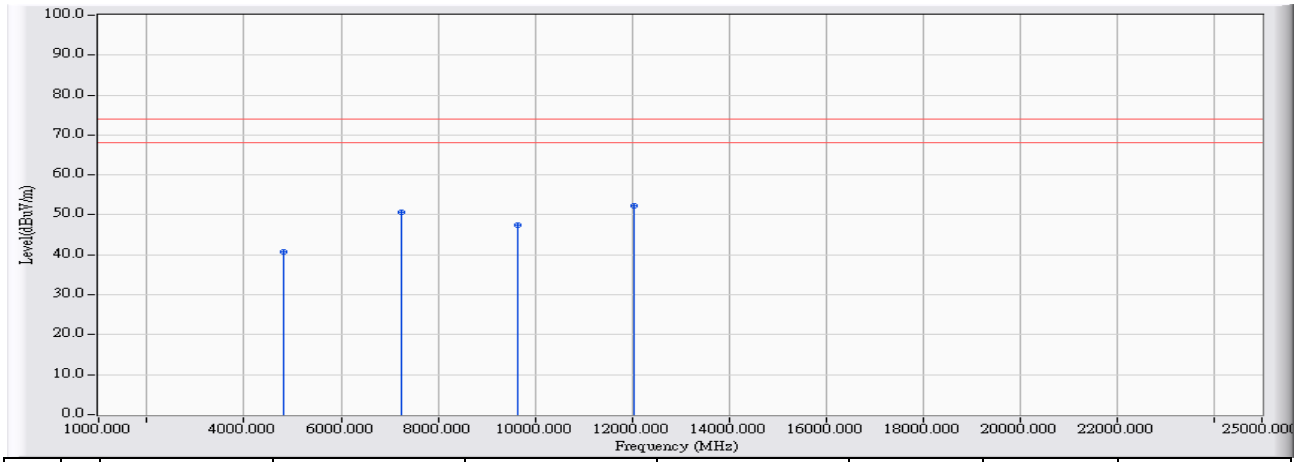


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4923.990	4.741	44.780	49.521	-24.479	74.000	PEAK
2	*	7387.000	10.674	42.290	52.964	-21.036	74.000	PEAK
3		9847.900	15.500	36.030	51.529	-22.471	74.000	PEAK
4		12310.010	17.676	29.340	47.016	-26.984	74.000	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 2	**Time : 2009/03/25 - 13:38**
Limit : FCC_SpartC_15.247_H_03M_PK	**Margin : 6**
Probe : Site 2_FCC_1-18G(2009-01) - HORIZONTAL	**Power : AC 120V / 60Hz**
EUT : Wireless N 150 Home Router	**Note : TX-802.11g-2412**

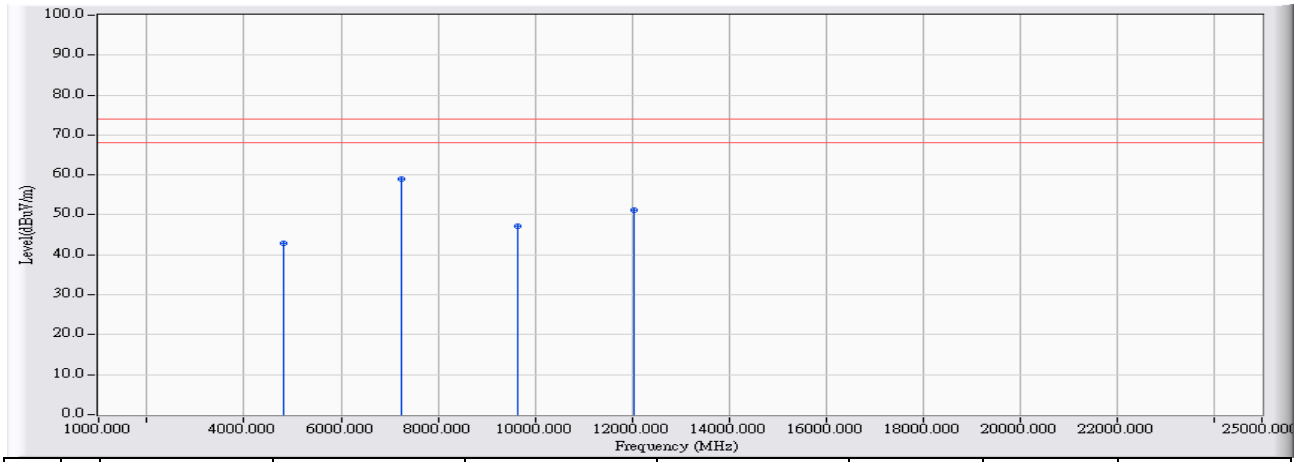


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4824.630	4.427	36.320	40.747	-33.253	74.000	PEAK
2		7236.470	10.385	40.320	50.705	-23.295	74.000	PEAK
3		9647.890	14.210	33.240	47.450	-26.550	74.000	PEAK
4	*	12060.440	19.747	32.650	52.397	-21.603	74.000	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 2	**Time : 2009/03/25 - 13:39**
Limit : FCC_SpartC_15.247_H_03M_PK	**Margin : 6**
Probe : Site 2_FCC_1-18G(2009-01) - VERTICAL	**Power : AC 120V / 60Hz**
EUT : Wireless N 150 Home Router	**Note : TX-802.11g-2412**

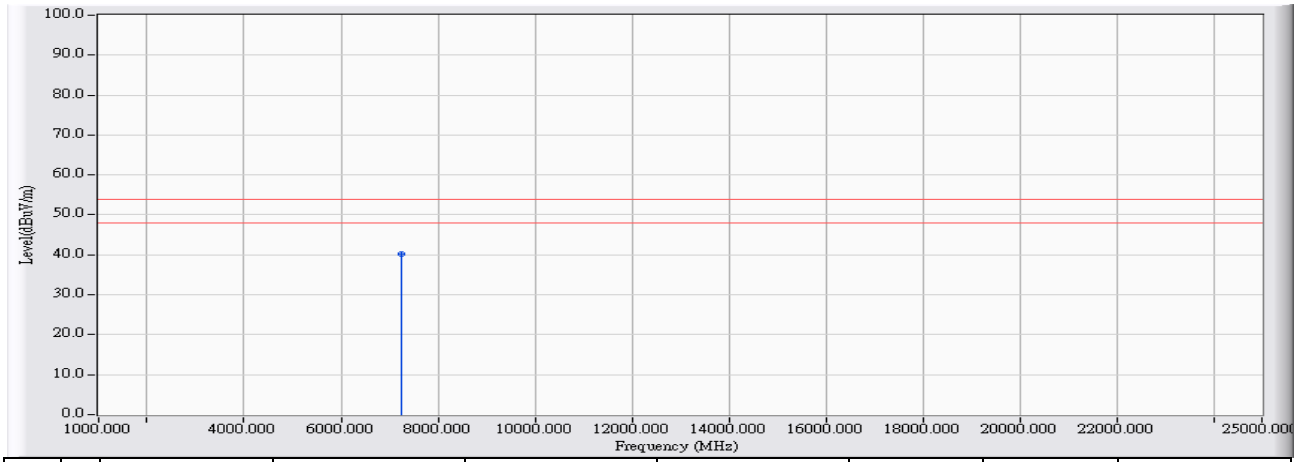


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4824.570	4.317	38.490	42.808	-31.192	74.000	PEAK
2	*	7232.790	10.463	48.560	59.023	-14.977	74.000	PEAK
3		9648.160	14.429	32.880	47.309	-26.691	74.000	PEAK
4		12060.270	18.640	32.600	51.240	-22.760	74.000	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 2	**Time : 2009/03/25 - 13:46**
Limit : FCC_SpartC_15.247_H_03M_AV	**Margin : 6**
Probe : Site 2_FCC_1-18G(2009-01) - VERTICAL	**Power : AC 120V / 60Hz**
EUT : Wireless N 150 Home Router	**Note : TX-802.11g-2412**

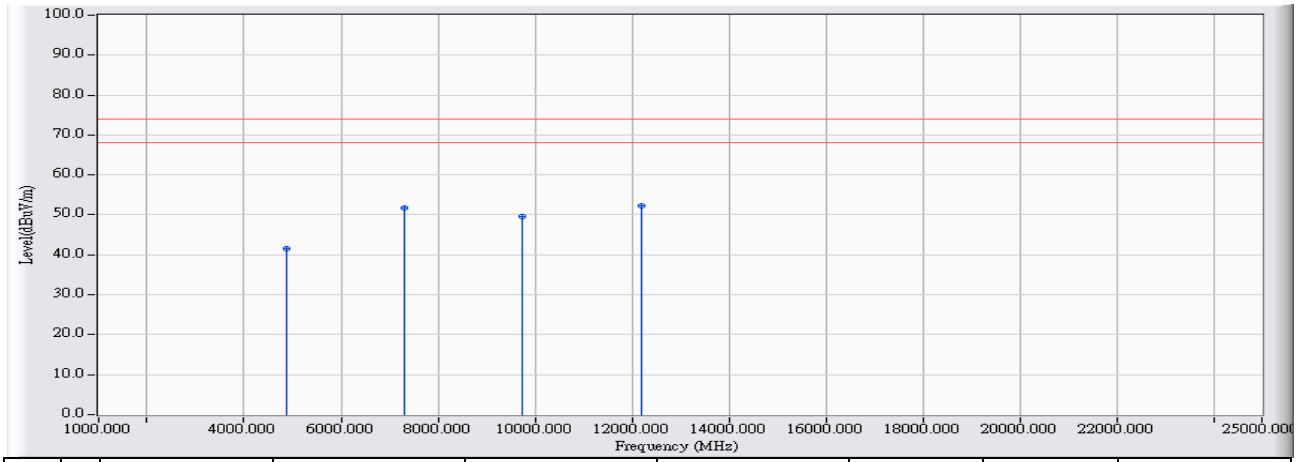


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	7236.200	10.467	29.720	40.188	-13.812	54.000	AVERAGE

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 2	**Time : 2009/03/25 - 13:48**
Limit : FCC_SpartC_15.247_H_03M_PK	**Margin : 6**
Probe : Site 2_FCC_1-18G(2009-01) - HORIZONTAL	**Power : AC 120V / 60Hz**
EUT : Wireless N 150 Home Router	**Note : TX-802.11g-2437**

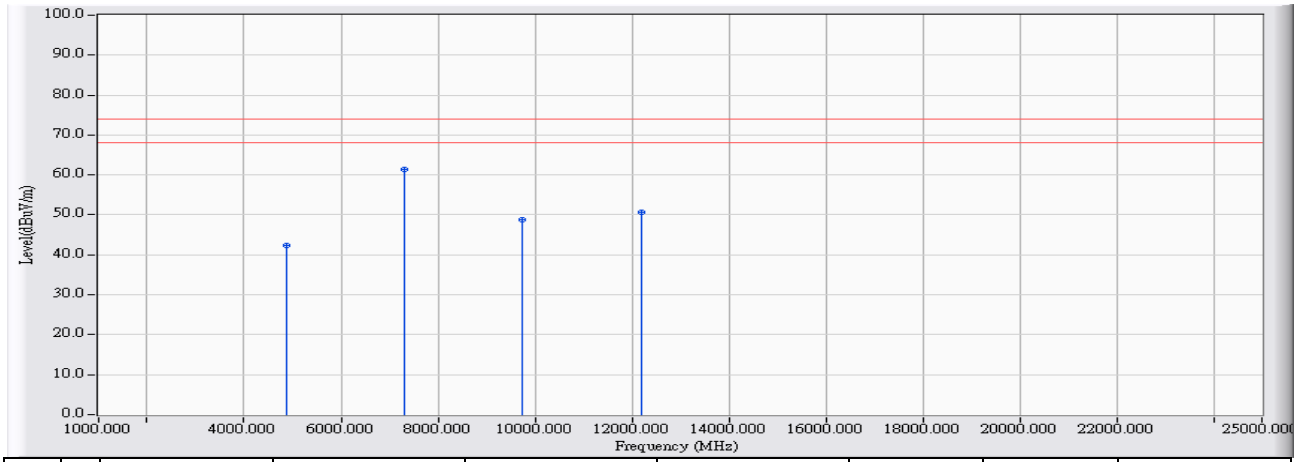


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4874.140	4.572	36.980	41.553	-32.447	74.000	PEAK
2		7320.600	10.835	40.780	51.615	-22.385	74.000	PEAK
3		9748.370	14.808	34.850	49.659	-24.341	74.000	PEAK
4	*	12185.480	19.245	32.930	52.175	-21.825	74.000	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 2	**Time : 2009/03/25 - 14:02**
Limit : FCC_SpartC_15.247_H_03M_PK	**Margin : 6**
Probe : Site 2_FCC_1-18G(2009-01) - VERTICAL	**Power : AC 120V / 60Hz**
EUT : Wireless N 150 Home Router	**Note : TX-802.11g-2437**

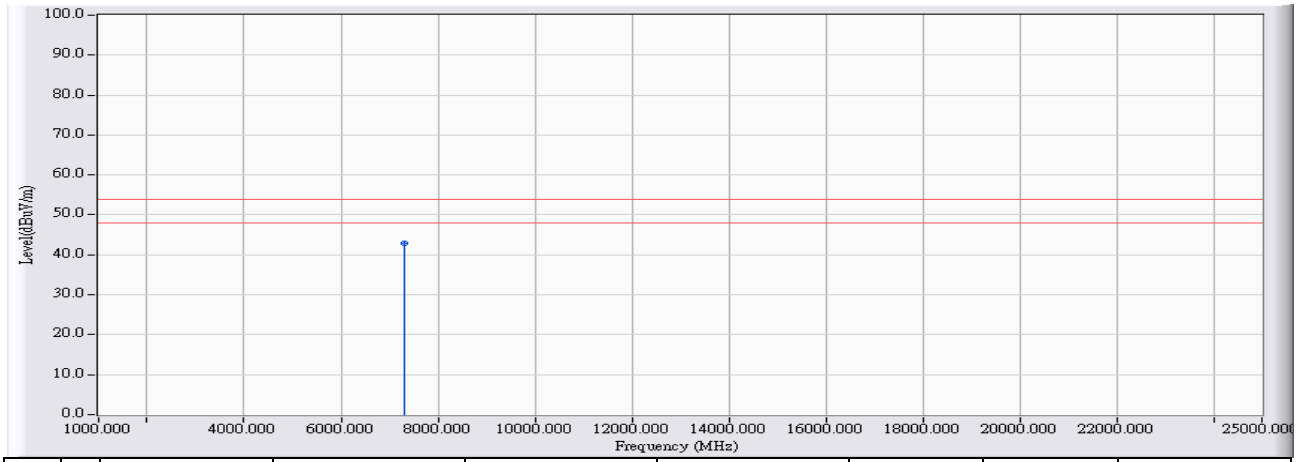


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4874.320	4.534	37.780	42.315	-31.685	74.000	PEAK
2	*	7307.970	10.562	50.770	61.331	-12.669	74.000	PEAK
3		9748.270	14.965	33.760	48.726	-25.274	74.000	PEAK
4		12185.430	18.161	32.640	50.801	-23.199	74.000	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 2	**Time : 2009/03/25 - 14:03**
Limit : FCC_SpartC_15.247_H_03M_AV	**Margin : 6**
Probe : Site 2_FCC_1-18G(2009-01) - VERTICAL	**Power : AC 120V / 60Hz**
EUT : Wireless N 150 Home Router	**Note : TX-802.11g-2437**

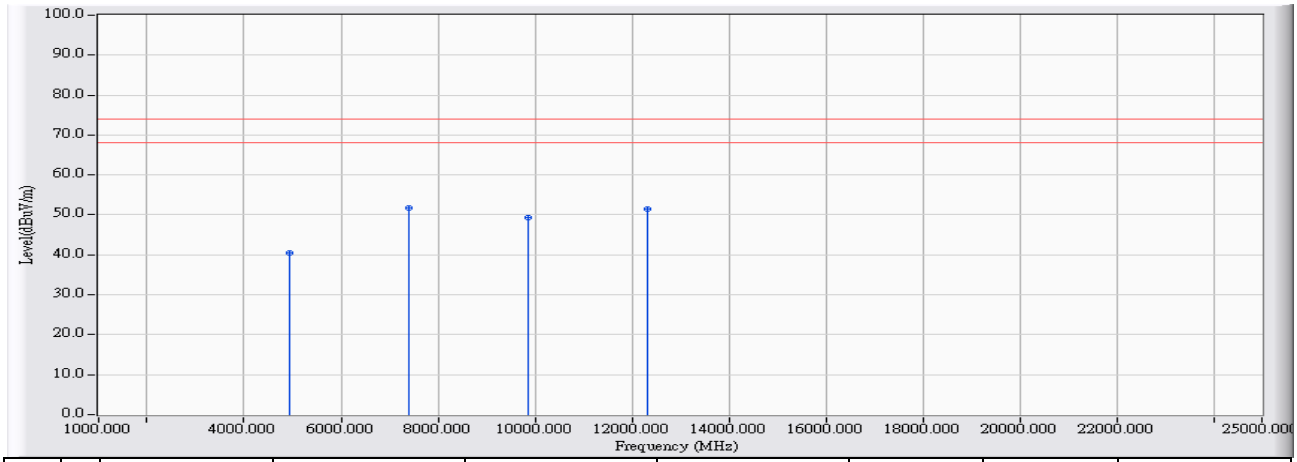


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	7315.590	10.571	32.380	42.951	-11.049	54.000	AVERAGE

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 2	**Time : 2009/03/25 - 14:15**
Limit : FCC_SpartC_15.247_H_03M_PK	**Margin : 6**
Probe : Site 2_FCC_1-18G(2009-01) - HORIZONTAL	**Power : AC 120V / 60Hz**
EUT : Wireless N 150 Home Router	**Note : TX-802.11g-2462**

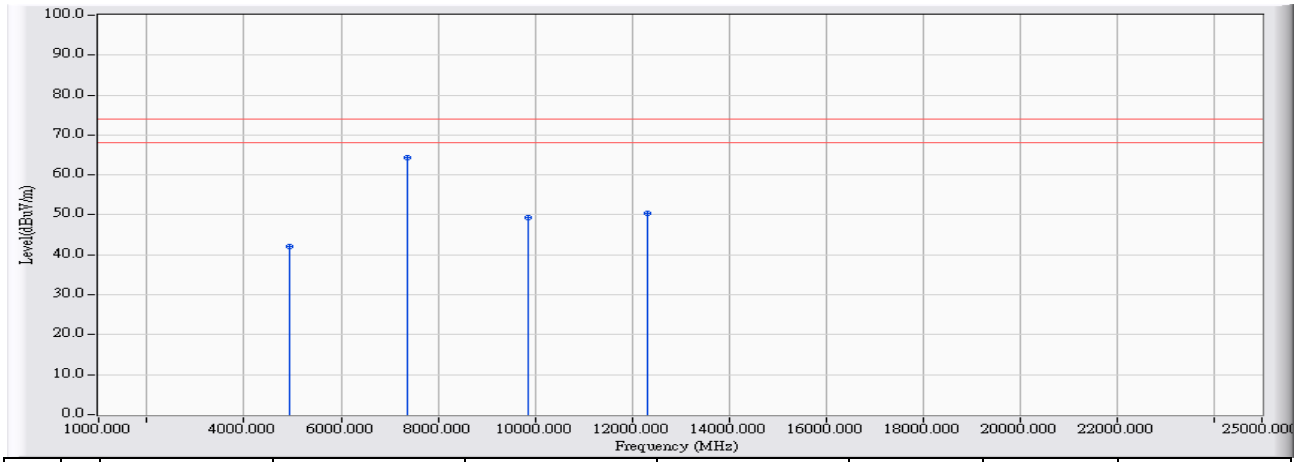


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4924.310	4.730	35.630	40.360	-33.640	74.000	PEAK
2	*	7386.570	11.198	40.520	51.718	-22.282	74.000	PEAK
3		9848.340	15.395	33.930	49.324	-24.676	74.000	PEAK
4		12310.280	18.755	32.810	51.565	-22.435	74.000	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 2	**Time : 2009/03/25 - 14:21**
Limit : FCC_SpartC_15.247_H_03M_PK	**Margin : 6**
Probe : Site 2_FCC_1-18G(2009-01) - VERTICAL	**Power : AC 120V / 60Hz**
EUT : Wireless N 150 Home Router	**Note : TX-802.11g-2462**

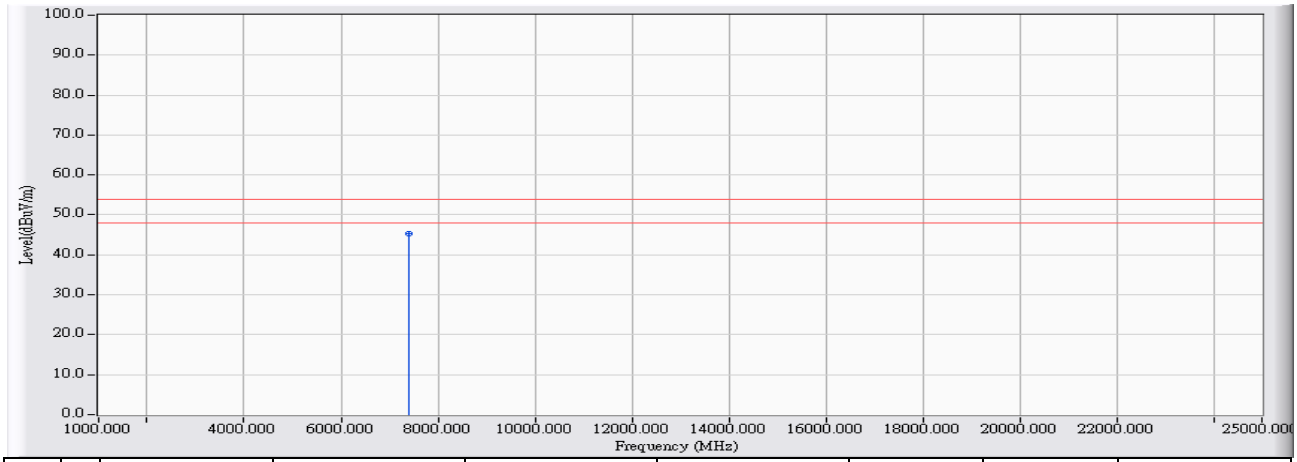


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4924.830	4.744	37.320	42.065	-31.935	74.000	PEAK
2	*	7382.760	11.178	53.160	64.337	-9.663	74.000	PEAK
3		9848.690	15.503	33.940	49.443	-24.557	74.000	PEAK
4		12310.650	17.674	32.840	50.513	-23.487	74.000	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 2	**Time : 2009/03/25 - 14:27**
Limit : FCC_SpartC_15.247_H_03M_AV	**Margin : 6**
Probe : Site 2_FCC_1-18G(2009-01) - VERTICAL	**Power : AC 120V / 60Hz**
EUT : Wireless N 150 Home Router	**Note : TX-802.11g-2462**

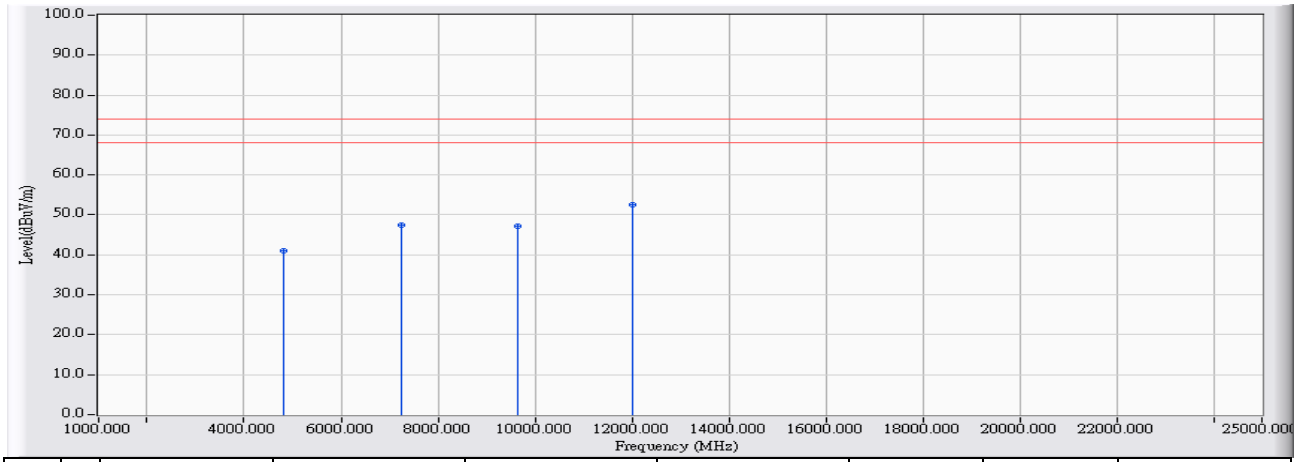


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	7386.370	10.674	34.750	45.423	-8.577	54.000	AVERAGE

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 2	**Time : 2009/03/25 - 14:37**
Limit : FCC_SpartC_15.247_H_03M_PK	**Margin : 6**
Probe : Site 2_FCC_1-18G(2009-01) - HORIZONTAL	**Power : AC 120V / 60Hz**
EUT : Wireless N 150 Home Router	**Note : TX-802.11n_20MHz-2412**

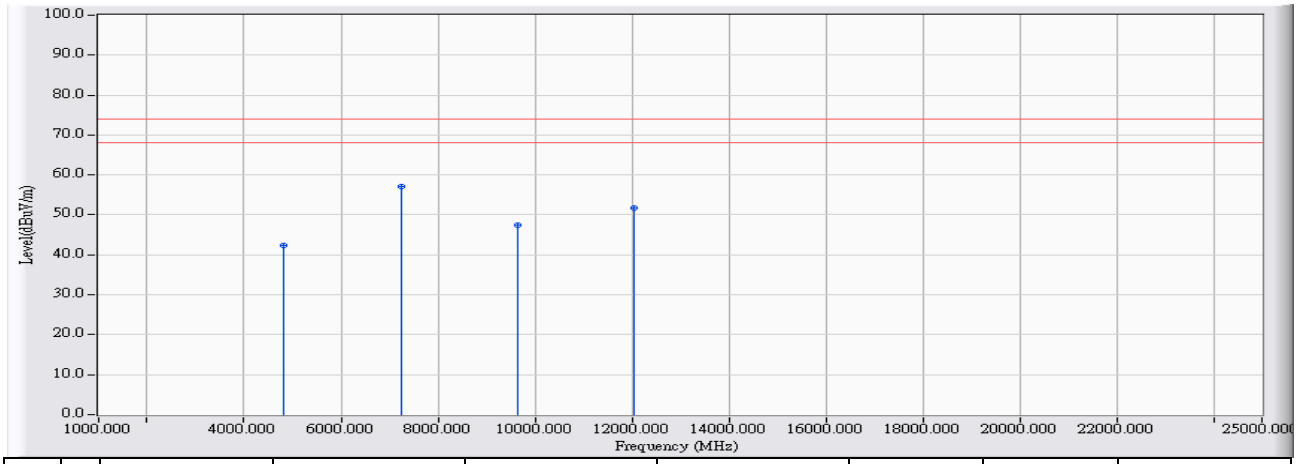


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4819.540	4.410	36.550	40.960	-33.040	74.000	PEAK
2		7239.610	10.401	36.990	47.391	-26.609	74.000	PEAK
3		9646.690	14.204	32.860	47.063	-26.937	74.000	PEAK
4	*	12020.170	19.904	32.560	52.465	-21.535	74.000	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 2	**Time : 2009/03/25 - 14:42**
Limit : FCC_SpartC_15.247_H_03M_PK	**Margin : 6**
Probe : Site 2_FCC_1-18G(2009-01) - VERTICAL	**Power : AC 120V / 60Hz**
EUT : Wireless N 150 Home Router	**Note : TX-802.11n_20MHz-2412**

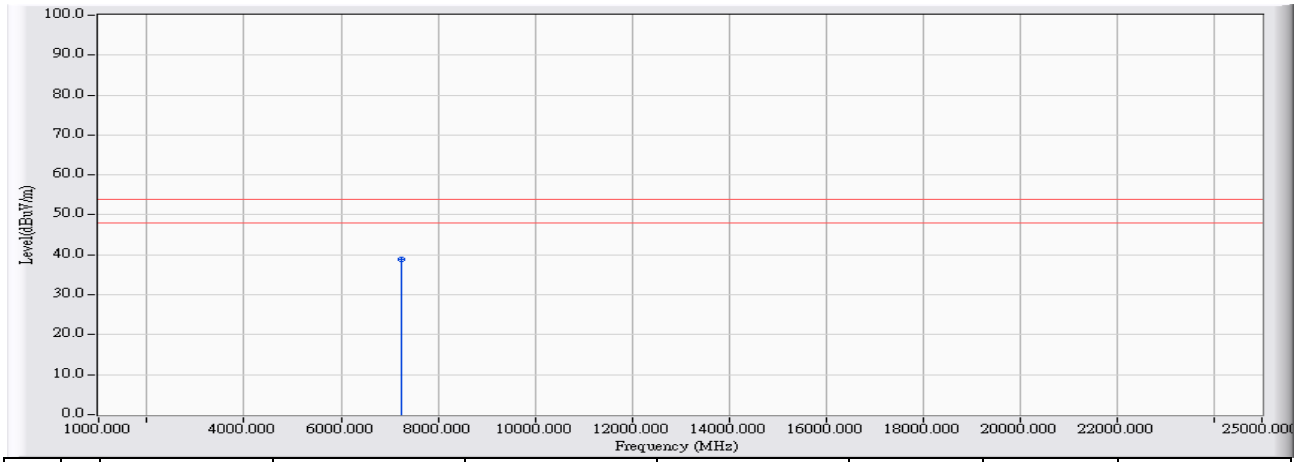


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4819.890	4.299	38.160	42.459	-31.541	74.000	PEAK
2	*	7234.090	10.372	46.600	56.972	-17.028	74.000	PEAK
3		9646.710	14.422	33.120	47.542	-26.458	74.000	PEAK
4		12060.760	18.638	33.170	51.808	-22.192	74.000	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 2	**Time : 2009/03/25 - 14:47**
Limit : FCC_SpartC_15.247_H_03M_AV	**Margin : 6**
Probe : Site 2_FCC_1-18G(2009-01) - VERTICAL	**Power : AC 120V / 60Hz**
EUT : Wireless N 150 Home Router	**Note : TX-802.11n_20MHz-2412**

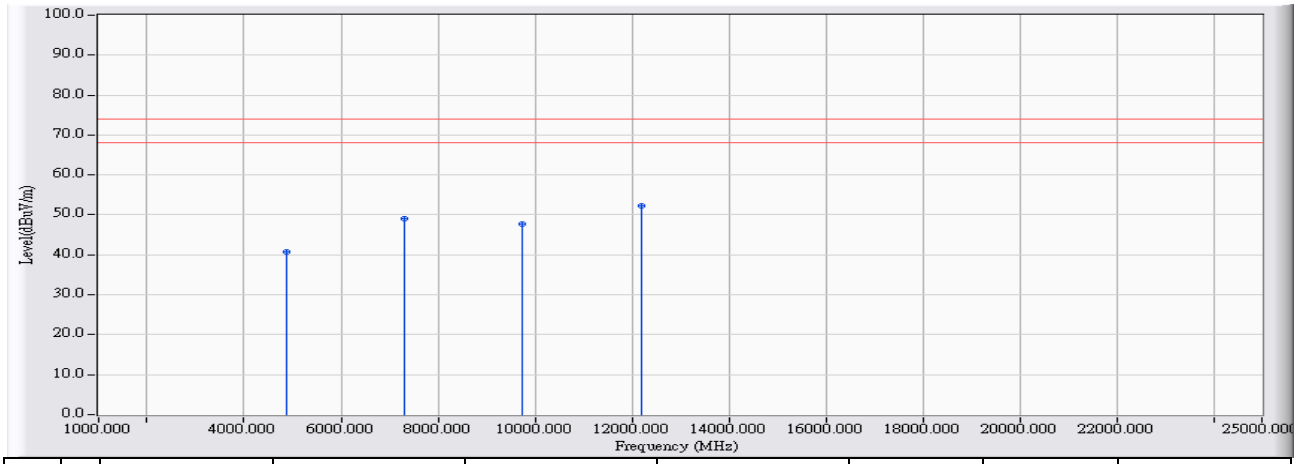


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	7234.090	10.465	28.470	38.935	-15.065	54.000	AVERAGE

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 2	**Time : 2009/03/25 - 14:56**
Limit : FCC_SpartC_15.247_H_03M_PK	**Margin : 6**
Probe : Site 2_FCC_1-18G(2009-01) - HORIZONTAL	**Power : AC 120V / 60Hz**
EUT : Wireless N 150 Home Router	**Note : TX-802.11n_20MHz-2437**

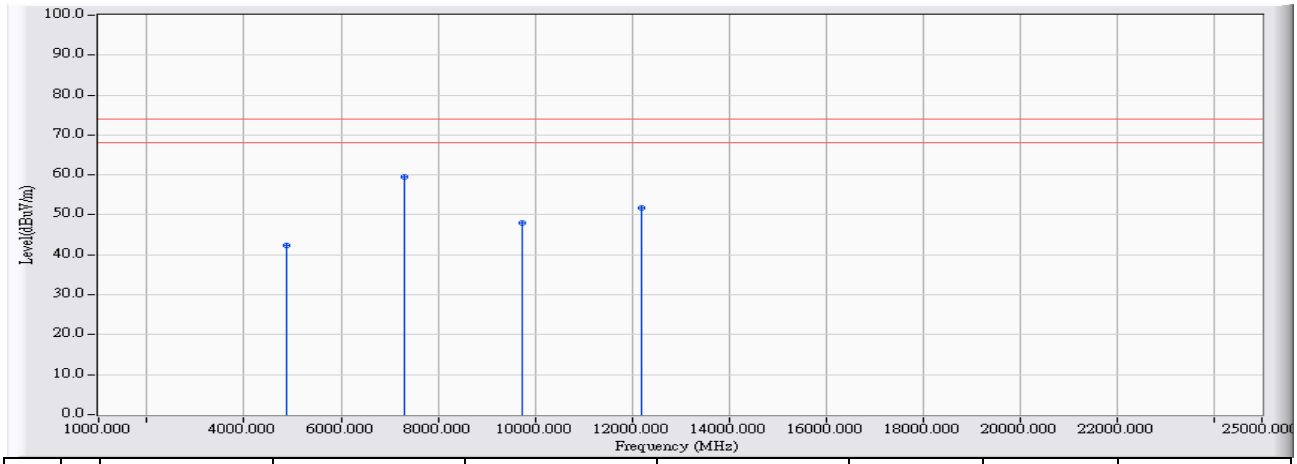


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4875.200	4.575	36.050	40.626	-33.374	74.000	PEAK
2		7309.790	10.777	38.400	49.177	-24.823	74.000	PEAK
3		9745.170	14.790	32.800	47.589	-26.411	74.000	PEAK
4	*	12191.810	19.221	32.980	52.201	-21.799	74.000	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 2	**Time : 2009/03/25 - 15:02**
Limit : FCC_SpartC_15.247_H_03M_PK	**Margin : 6**
Probe : Site 2_FCC_1-18G(2009-01) - VERTICAL	**Power : AC 120V / 60Hz**
EUT : Wireless N 150 Home Router	**Note : TX-802.11n_20MHz-2437**

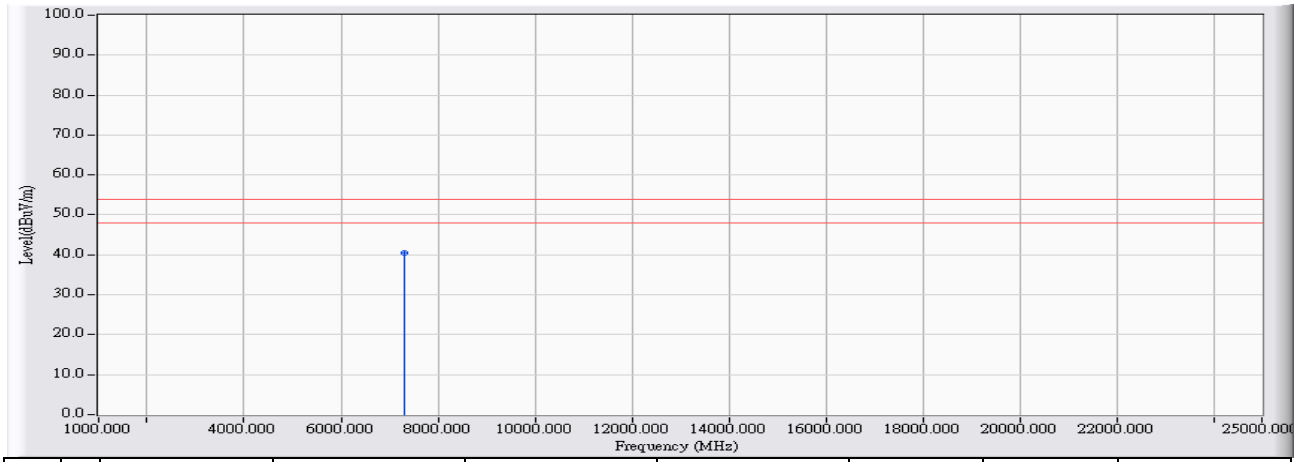


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4875.270	4.575	37.730	42.306	-31.694	74.000	PEAK
2	*	7309.810	10.563	49.070	59.634	-14.366	74.000	PEAK
3		9745.340	14.790	33.300	48.090	-25.910	74.000	PEAK
4		12191.570	19.222	32.560	51.782	-22.218	74.000	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 2	**Time : 2009/03/25 - 15:14**
Limit : FCC_SpartC_15.247_H_03M_AV	**Margin : 6**
Probe : Site 2_FCC_1-18G(2009-01) - VERTICAL	**Power : AC 120V / 60Hz**
EUT : Wireless N 150 Home Router	**Note : TX-802.11n_20MHz-2437**

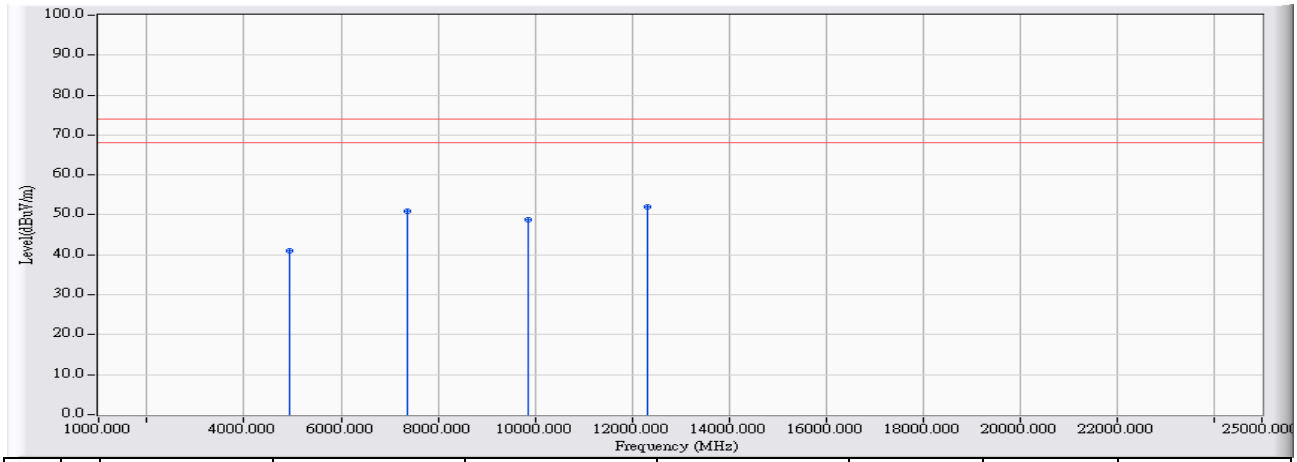


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	7311.620	10.566	29.810	40.376	-13.624	54.000	AVERAGE

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 2	**Time : 2009/03/25 - 15:25**
Limit : FCC_SpartC_15.247_H_03M_PK	**Margin : 6**
Probe : Site 2_FCC_1-18G(2009-01) - HORIZONTAL	**Power : AC 120V / 60Hz**
EUT : Wireless N 150 Home Router	**Note : TX-802.11n_20MHz-2462**

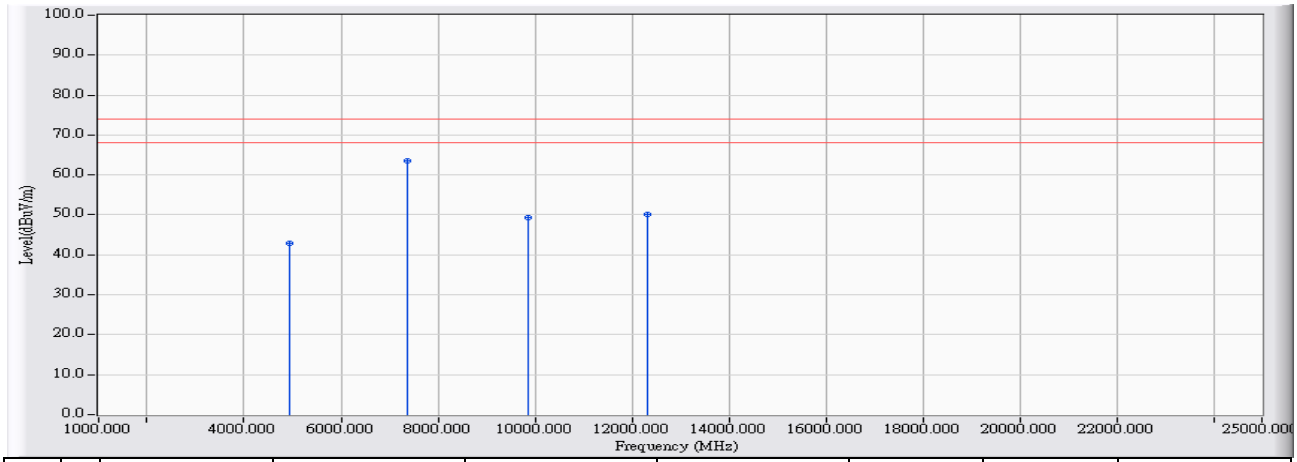


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4923.760	4.729	36.320	41.049	-32.951	74.000	PEAK
2		7384.490	11.187	39.820	51.007	-22.993	74.000	PEAK
3		9855.110	15.436	33.390	48.825	-25.175	74.000	PEAK
4	*	12308.690	18.761	33.360	52.121	-21.879	74.000	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 2	**Time : 2009/03/25 - 15:30**
Limit : FCC_SpartC_15.247_H_03M_PK	**Margin : 6**
Probe : Site 2_FCC_1-18G(2009-01) - VERTICAL	**Power : AC 120V / 60Hz**
EUT : Wireless N 150 Home Router	**Note : TX-802.11n_20MHz-2462**

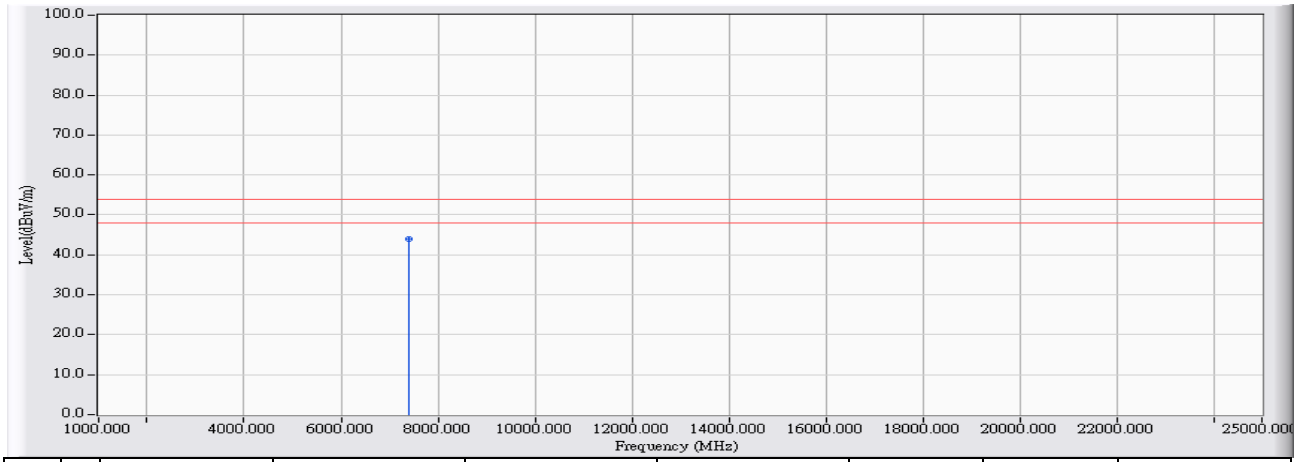


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4923.820	4.740	38.130	42.870	-31.130	74.000	PEAK
2	*	7384.360	10.671	52.760	63.431	-10.569	74.000	PEAK
3		9855.140	15.537	33.730	49.267	-24.733	74.000	PEAK
4		12308.580	17.682	32.580	50.262	-23.738	74.000	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 2	**Time : 2009/03/25 - 15:36**
Limit : FCC_SpartC_15.247_H_03M_AV	**Margin : 6**
Probe : Site 2_FCC_1-18G(2009-01) - VERTICAL	**Power : AC 120V / 60Hz**
EUT : Wireless N 150 Home Router	**Note : TX-802.11n_20MHz-2462**

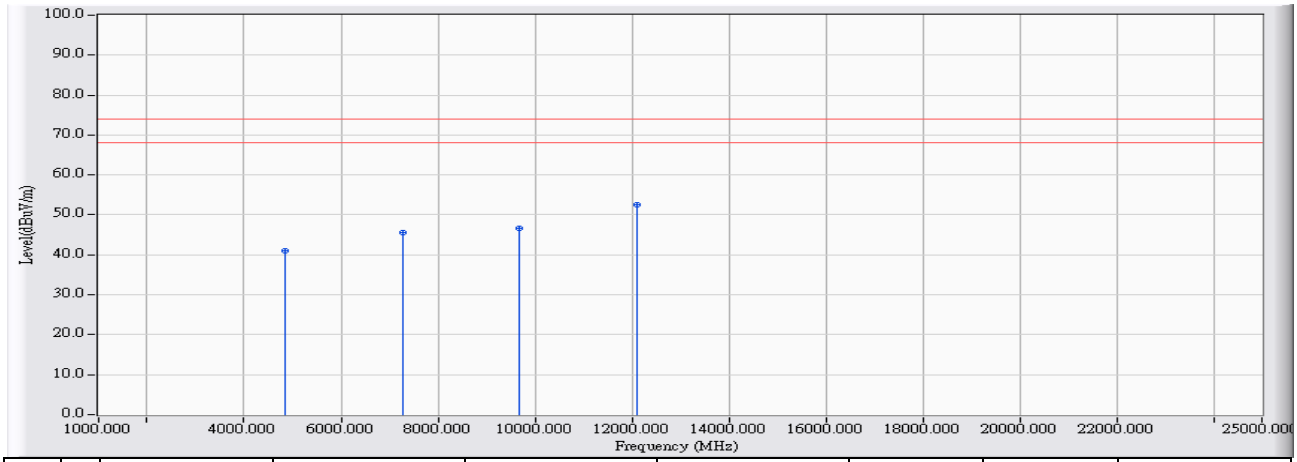


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	7387.370	10.675	33.320	43.994	-10.006	54.000	AVERAGE

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 2	**Time : 2009/03/25 - 15:47**
Limit : FCC_SpartC_15.247_H_03M_PK	**Margin : 6**
Probe : Site 2_FCC_1-18G(2009-01) - HORIZONTAL	**Power : AC 120V / 60Hz**
EUT : Wireless N 150 Home Router	**Note : TX-802.11n_40MHz-2422**

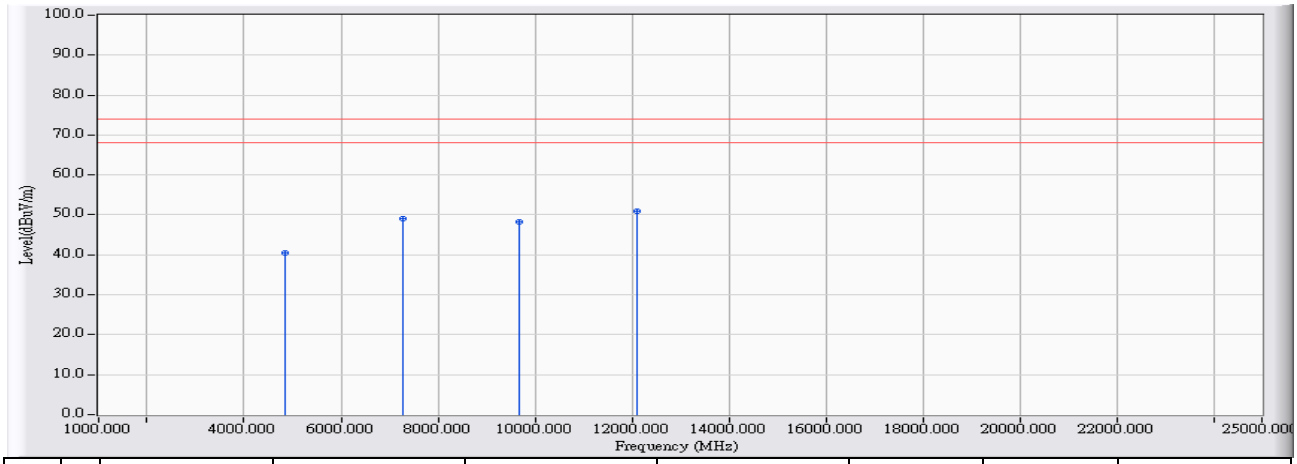


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4842.340	4.476	36.440	40.916	-33.084	74.000	PEAK
2		7279.970	10.618	35.070	45.687	-28.313	74.000	PEAK
3		9688.730	14.448	32.250	46.698	-27.302	74.000	PEAK
4	*	12110.340	19.551	32.960	52.511	-21.489	74.000	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 2	**Time : 2009/03/25 - 15:57**
Limit : FCC_SpartC_15.247_H_03M_PK	**Margin : 6**
Probe : Site 2_FCC_1-18G(2009-01) - VERTICAL	**Power : AC 120V / 60Hz**
EUT : Wireless N 150 Home Router	**Note : TX-802.11n_40MHz-2422**

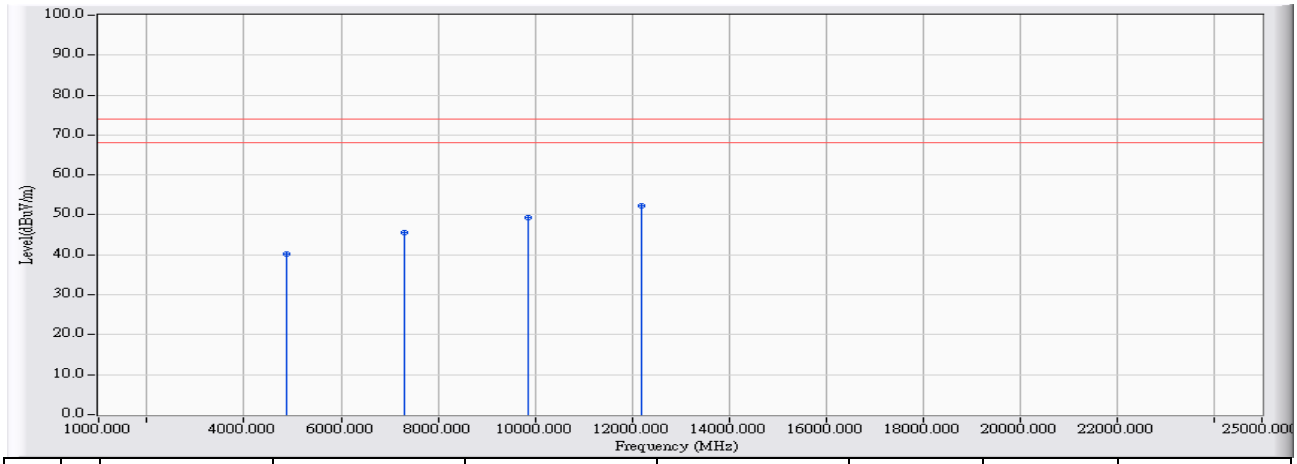


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4842.410	4.399	36.140	40.539	-33.461	74.000	PEAK
2		7279.890	10.525	38.490	49.014	-24.986	74.000	PEAK
3		9688.120	14.645	33.530	48.175	-25.825	74.000	PEAK
4	*	12110.240	18.448	32.380	50.827	-23.173	74.000	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 2	**Time : 2009/03/25 - 16:15**
Limit : FCC_SpartC_15.247_H_03M_PK	**Margin : 6**
Probe : Site 2_FCC_1-18G(2009-01) - HORIZONTAL	**Power : AC 120V / 60Hz**
EUT : Wireless N 150 Home Router	**Note : TX-802.11n_40MHz-2437**

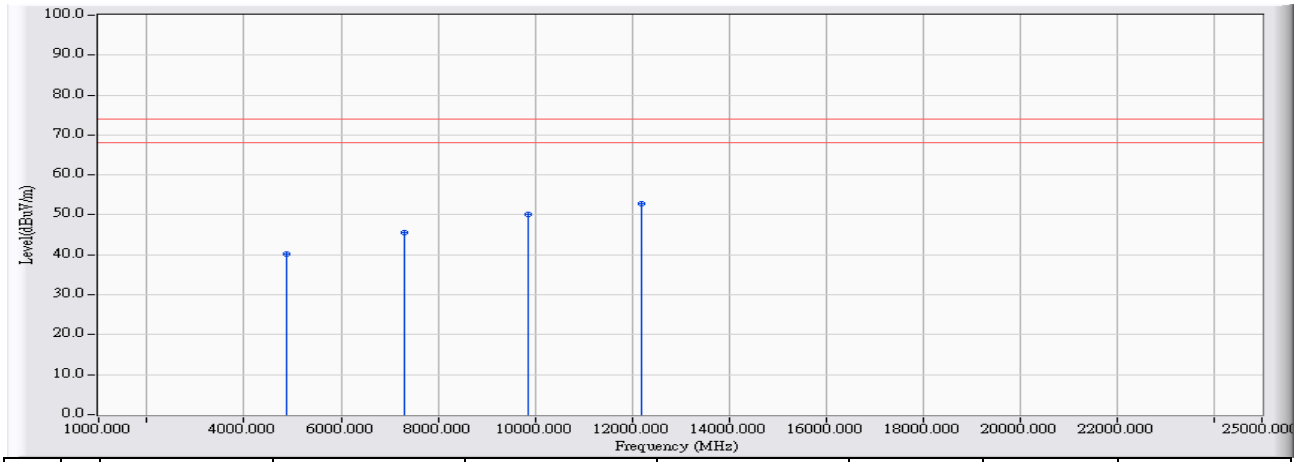


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4874.270	4.573	35.580	40.153	-33.847	74.000	PEAK
2		7311.710	10.788	34.910	45.697	-28.303	74.000	PEAK
3		9848.910	15.398	33.870	49.267	-24.733	74.000	PEAK
4	*	12191.730	19.221	33.120	52.341	-21.659	74.000	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 2	**Time : 2009/04/05 - 13:00**
Limit : FCC_SpartC_15.247_H_03M_PK	**Margin : 6**
Probe : Site 2_FCC_1-18G(2009-01) - VERTICAL	**Power : AC 120V / 60Hz**
EUT : Wireless N 150 Home Router	**Note : TX-802.11n_40MHz-2437**

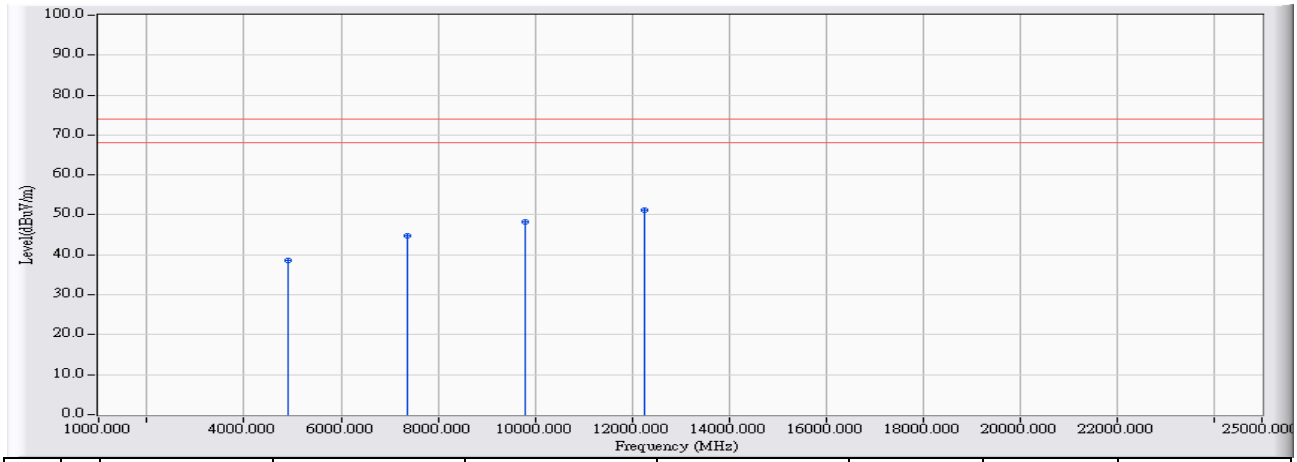


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4872.310	4.525	35.590	40.115	-33.885	74.000	PEAK
2		7311.750	10.566	35.040	45.606	-28.394	74.000	PEAK
3		9848.970	15.505	34.570	50.075	-23.925	74.000	PEAK
4	*	12191.630	18.136	34.630	52.767	-21.233	74.000	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 2	**Time : 2009/04/05 - 13:05**
Limit : FCC_SpartC_15.247_H_03M_PK	**Margin : 6**
Probe : Site 2_FCC_1-18G(2009-01) - HORIZONTAL	**Power : AC 120V / 60Hz**
EUT : Wireless N 150 Home Router	**Note : TX-802.11n_40MHz-2452**

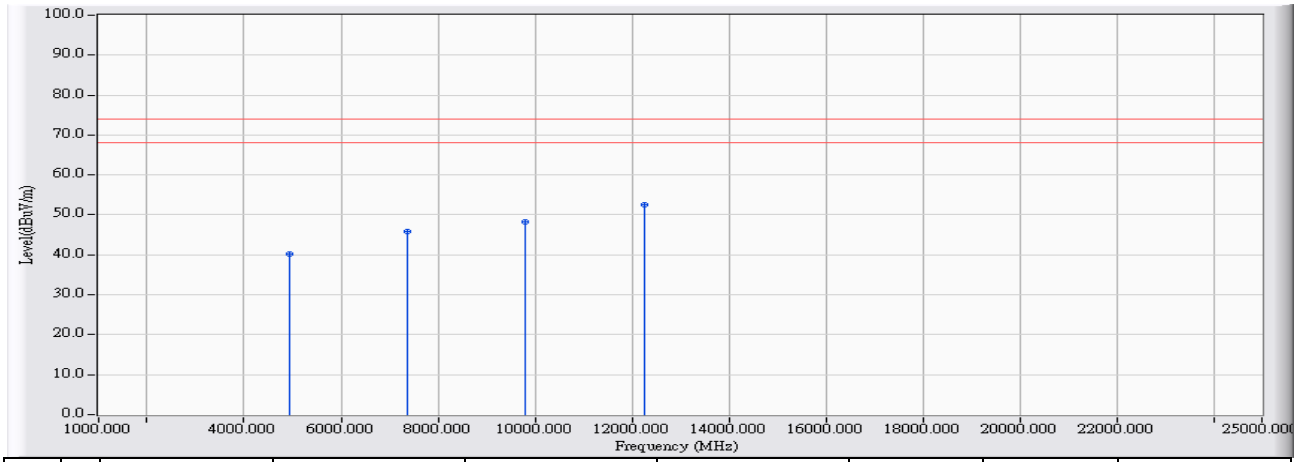


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4904.180	4.671	34.040	38.711	-35.289	74.000	PEAK
2		7356.530	11.037	33.770	44.807	-29.193	74.000	PEAK
3		9808.750	15.165	33.110	48.274	-25.726	74.000	PEAK
4	*	12260.380	18.951	32.130	51.081	-22.919	74.000	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 2	**Time : 2009/04/05 - 13:10**
Limit : FCC_SpartC_15.247_H_03M_PK	**Margin : 6**
Probe : Site 2_FCC_1-18G(2009-01) - VERTICAL	**Power : AC 120V / 60Hz**
EUT : Wireless N 150 Home Router	**Note : TX-802.11n_40MHz_2452**

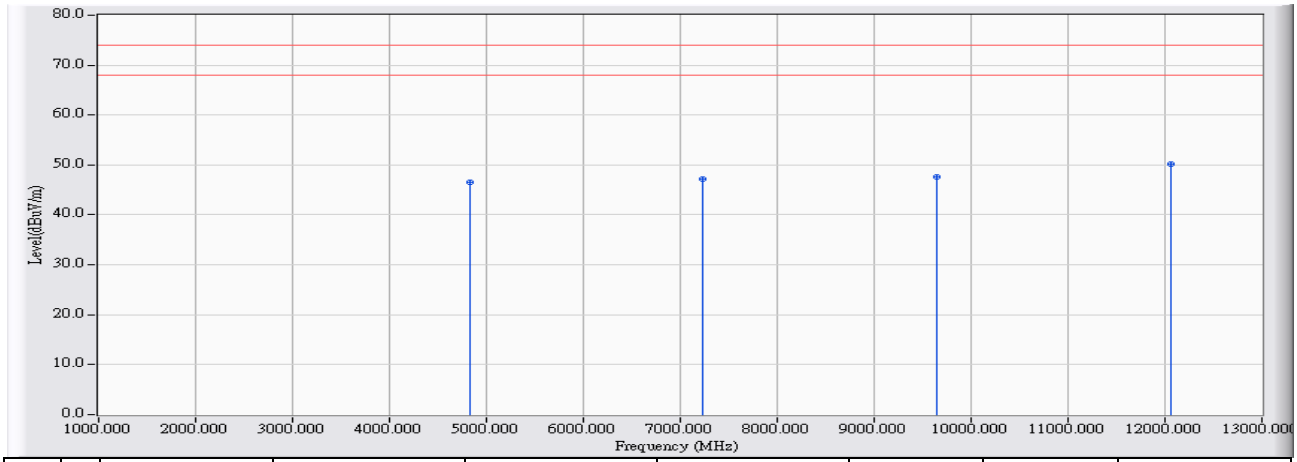


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4924.140	4.742	35.600	40.342	-33.658	74.000	PEAK
2		7356.340	10.624	35.200	45.824	-28.176	74.000	PEAK
3		9808.710	15.288	32.860	48.147	-25.853	74.000	PEAK
4	*	12260.510	17.867	34.610	52.477	-21.523	74.000	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 2	**Time : 2009/04/05 - 13:40**
Limit : FCC_SpartC_15.247_H_03M_PK	**Margin : 6**
Probe : Site 2_FCC_1-18G(2009-01) - HORIZONTAL	**Power : AC 120V / 60Hz**
EUT : Wireless N 150 Home Router	**Note : TX-802.11b-2412**



		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4824.000	4.425	42.190	46.615	-27.385	74.000	PEAK
2		7233.026	10.366	36.920	47.286	-26.714	74.000	PEAK
3		9647.910	14.211	33.300	47.511	-26.489	74.000	PEAK
4	*	12060.047	19.748	30.350	50.098	-23.902	74.000	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.

5. RF antenna conducted test

5.1. Test Equipment

The following test equipments are used during the test:

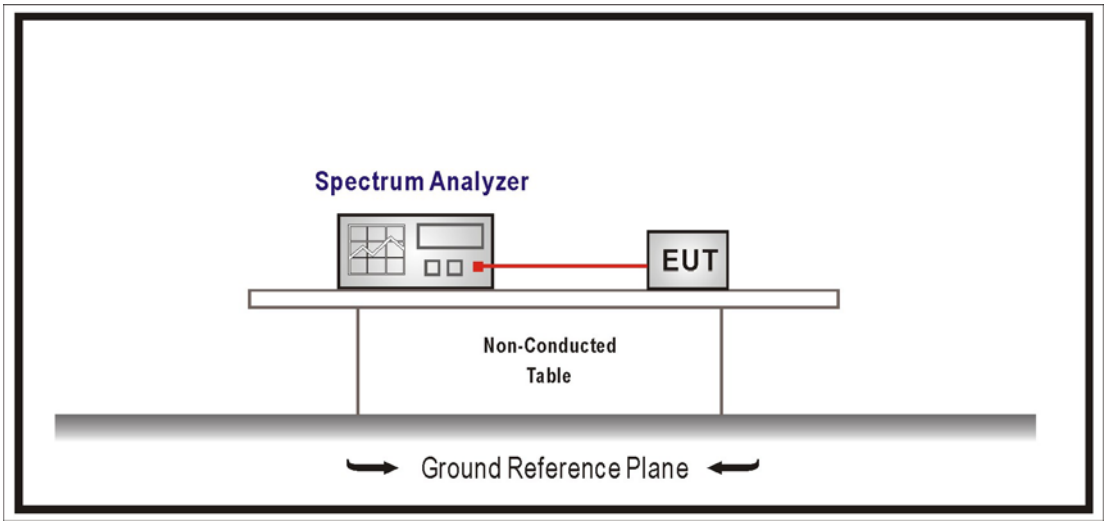
RF Conducted Measurement:				
Item	Equipment	Manufacturer	Model No. / Serial No.	Last Cal.
1	Spectrum Analyzer	R & S	FSP / 100561	Mar., 2009
2	No.1 OATS			Sep., 2008

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 setup according to ANSI C63.4, 2003 and tested according to FHSS test procedure of FCC Public Notice DA 00-705 for compliance to FCC 47CFR 15.247 requirements

Set RBW = 100 kHz, Set VBW> RBW, scan up through 10th harmonic.

5.5. Test Specification

According to FCC Part 15 Subpart C Paragraph 15.207: 2009

5.6. Uncertainty

The measurement uncertainty

Conducted is defined as ± 1.27dB

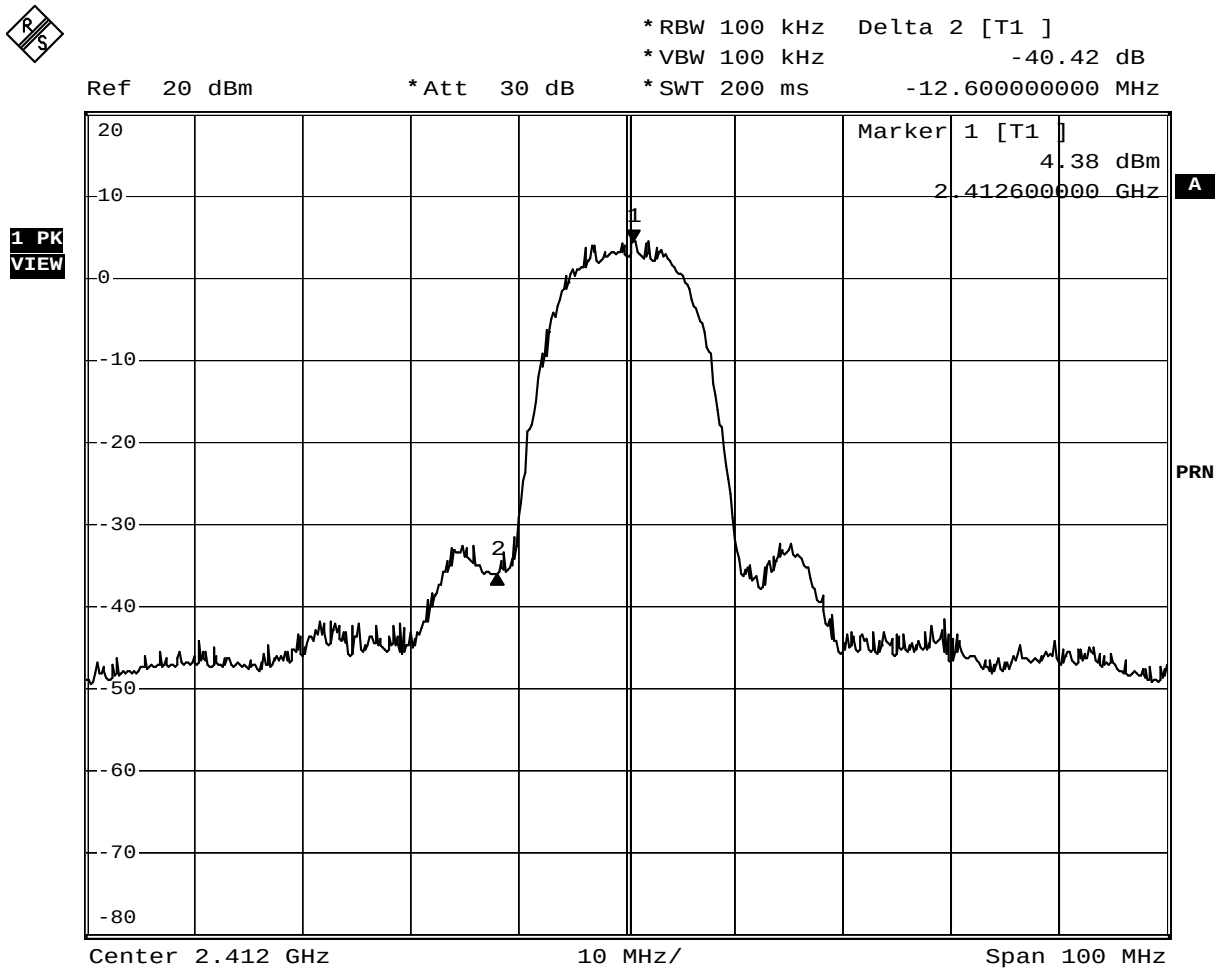
Radiated is defined as ± 3.9dB

5.7. Test Result

Product	Wireless N 150 Home Router		
Test Item	RF antenna conducted test		
Test Mode	Transmit		
Date of Test	2009/03/29	Test Site	No.1 OATS

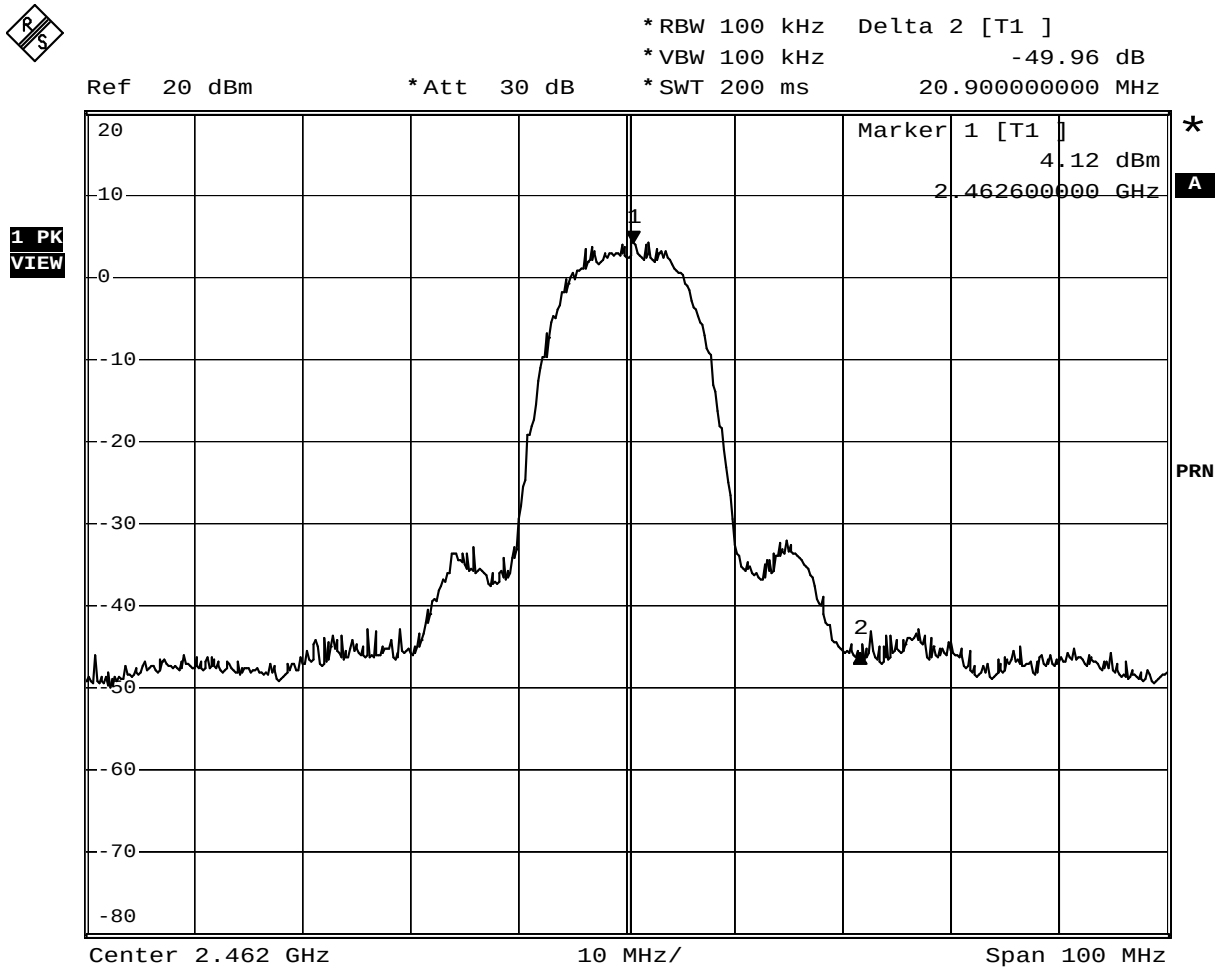
IEEE 802.11b, Antenna Gain: 1.8dBi, Duty Cycle: 1				
Channel No.	Frequency (MHz)	Measure Level (dBc)	Limit (dBc)	Result
1	2412	40.42	≧ 30	Pass
11	2462	49.96	≧ 30	Pass

Channel 01 (2412MHz)



Date: 27.MAR.2009 09:50:17

Channel 11 (2462MHz)

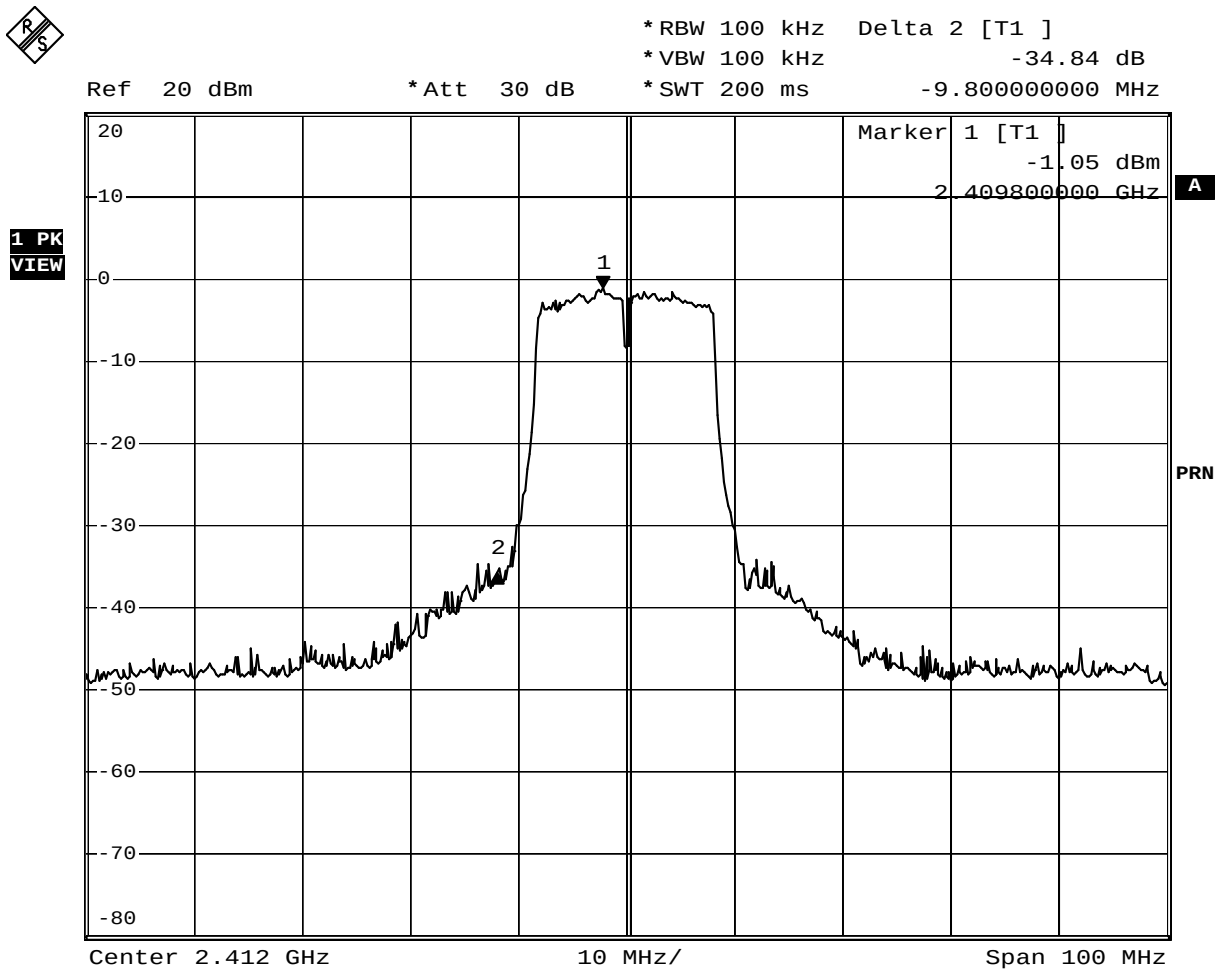


Date: 27.MAR.2009 10:29:00

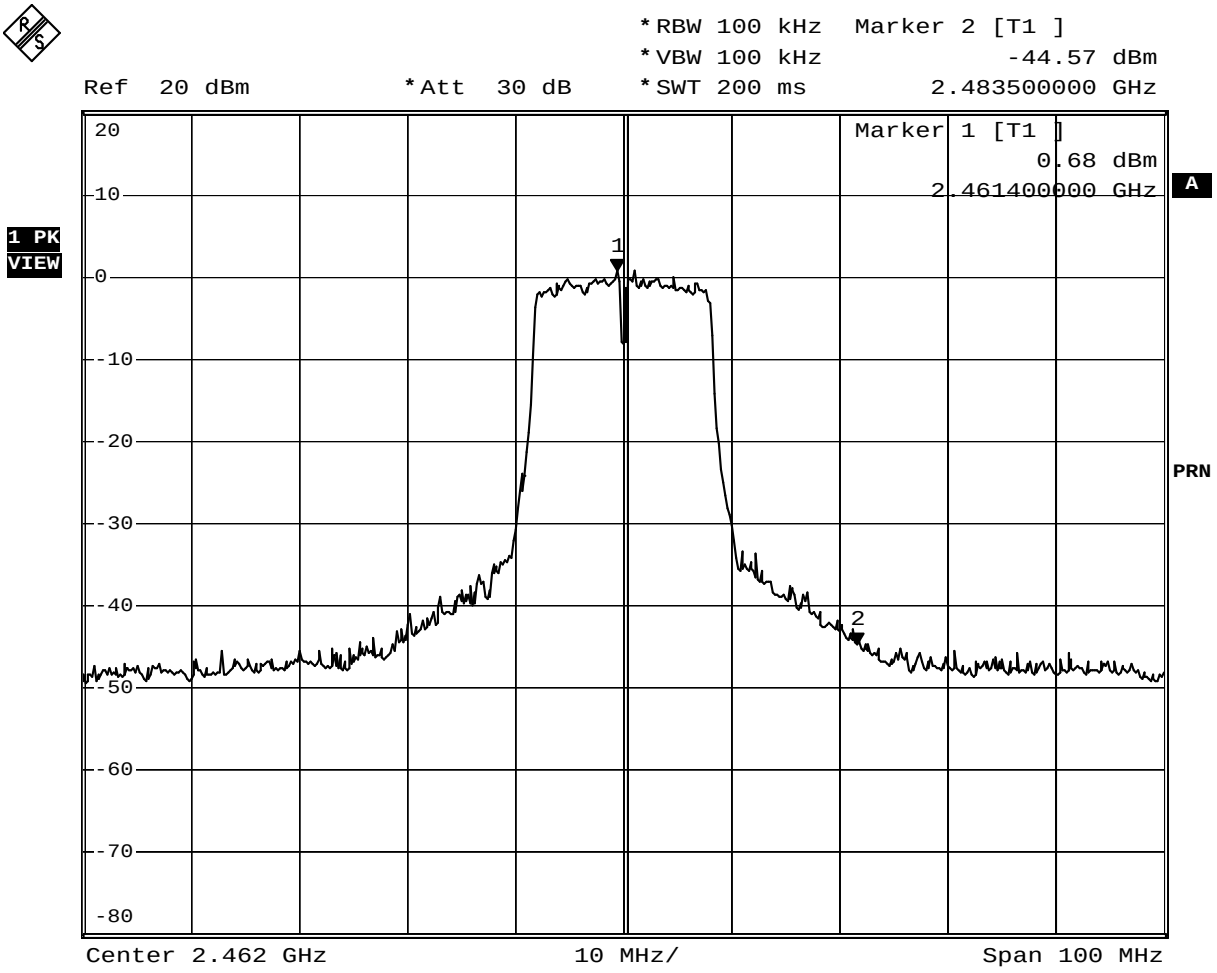
Product	Wireless N 150 Home Router		
Test Item	RF antenna conducted test		
Test Mode	Transmit		
Date of Test	2009/03/29	Test Site	No.1 OATS

IEEE 802.11g, Antenna Gain: 1.8dBi, Duty Cycle: 1				
Channel No.	Frequency (MHz)	Measure Level (dBc)	Limit (dBc)	Result
1	2412	34.84	≧ 30	Pass
11	2462	44.57	≧ 30	Pass

Channel 01 (2412MHz)



Channel 11 (2462MHz)

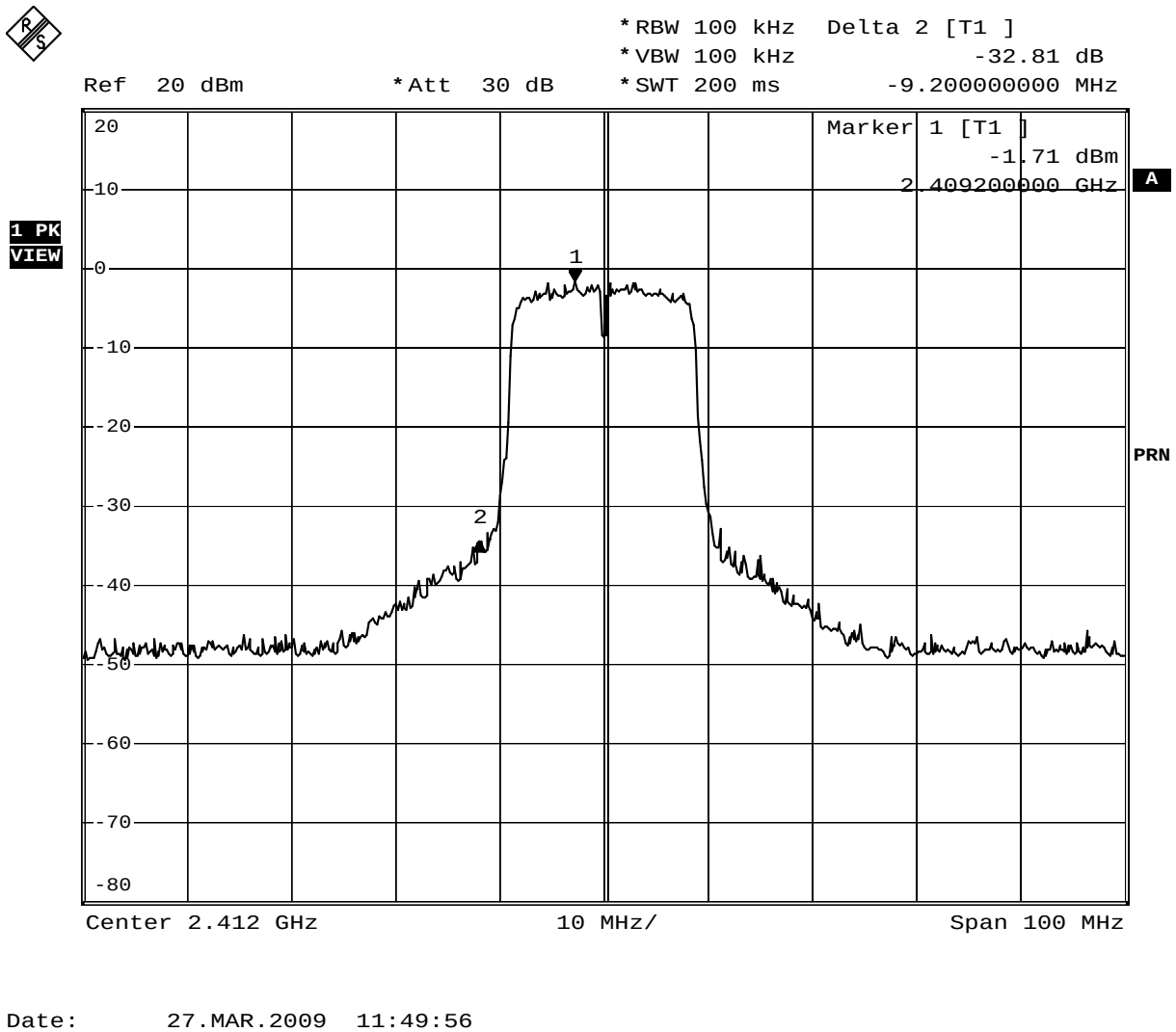


Date: 27.MAR.2009 11:13:20

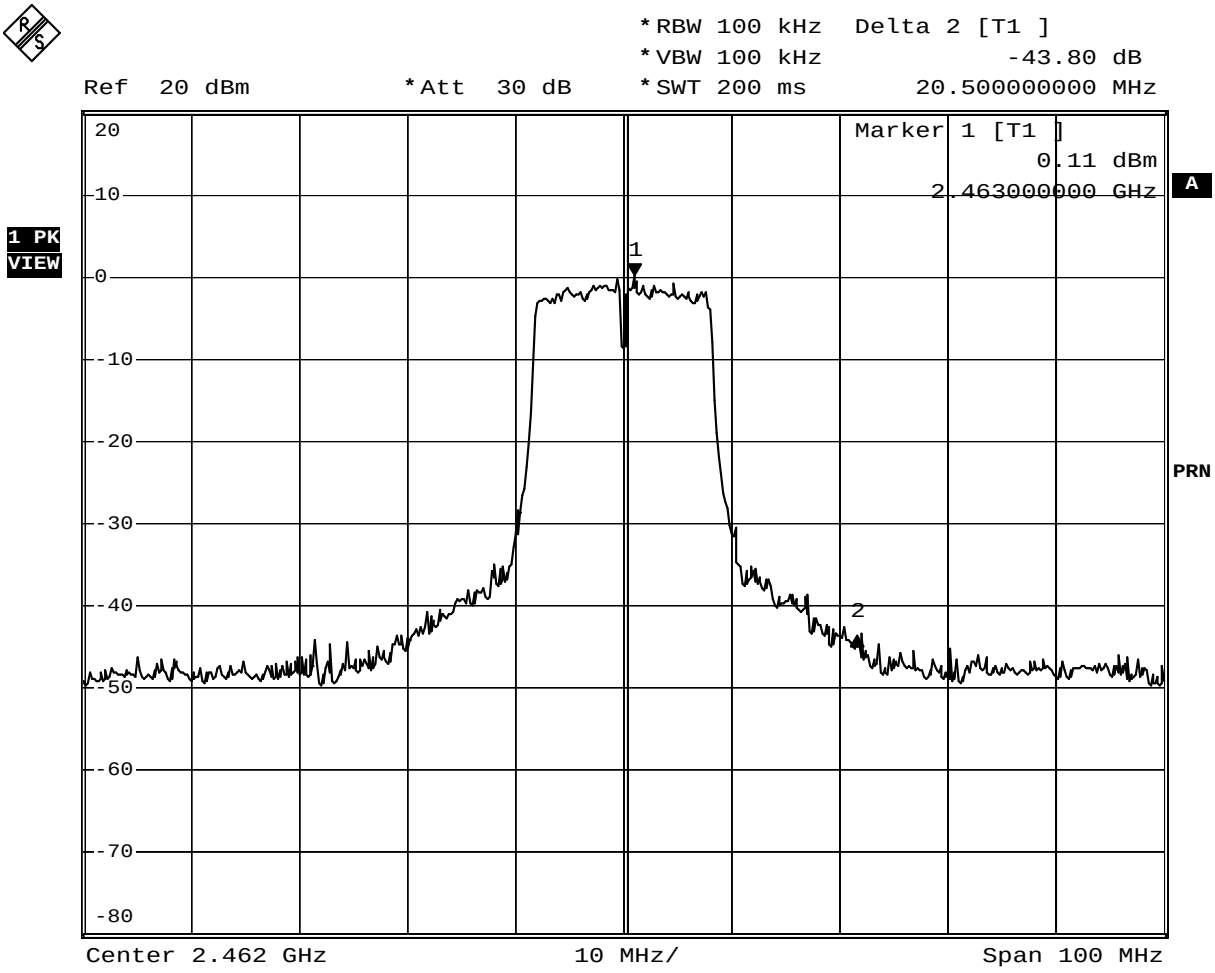
Product	Wireless N 150 Home Router		
Test Item	RF antenna conducted test		
Test Mode	Transmit		
Date of Test	2009/03/27	Test Site	No.1 OATS

IEEE 802.11n (ANT A (20MHz)), Antenna Gain: 1.8dBi, Duty Cycle: 1				
Channel No.	Frequency (MHz)	Measure Level (dBc)	Limit (dBc)	Result
1	2412	32.81	≧ 30	Pass
11	2462	43.80	≧ 30	Pass

Channel 1 (2412MHz)



Channel 11 (2462MHz)

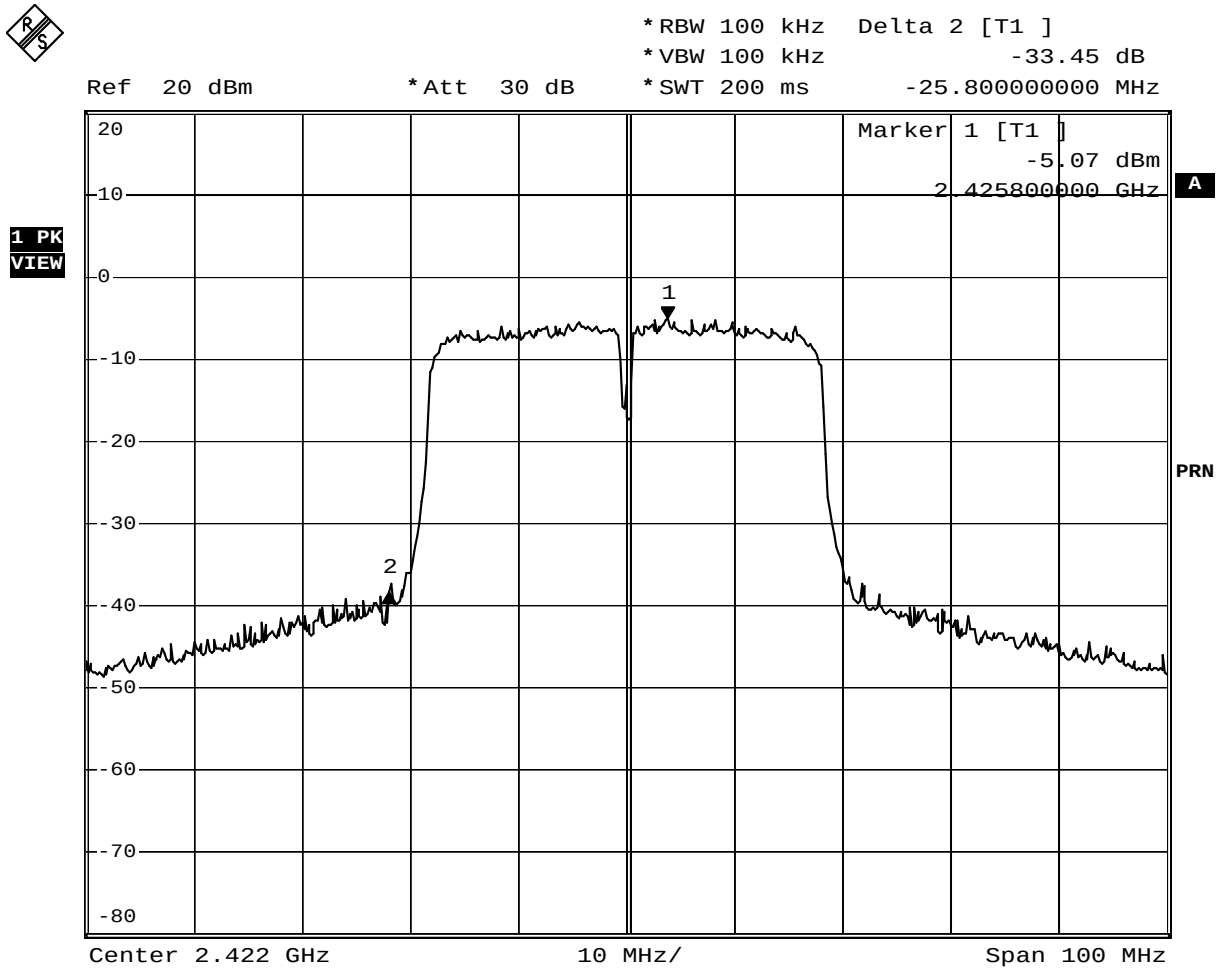


Date: 27.MAR.2009 06:09:00

Product	Wireless N 150 Home Router		
Test Item	RF antenna conducted test		
Test Mode	Transmit		
Date of Test	2009/03/27	Test Site	No.1 OATS

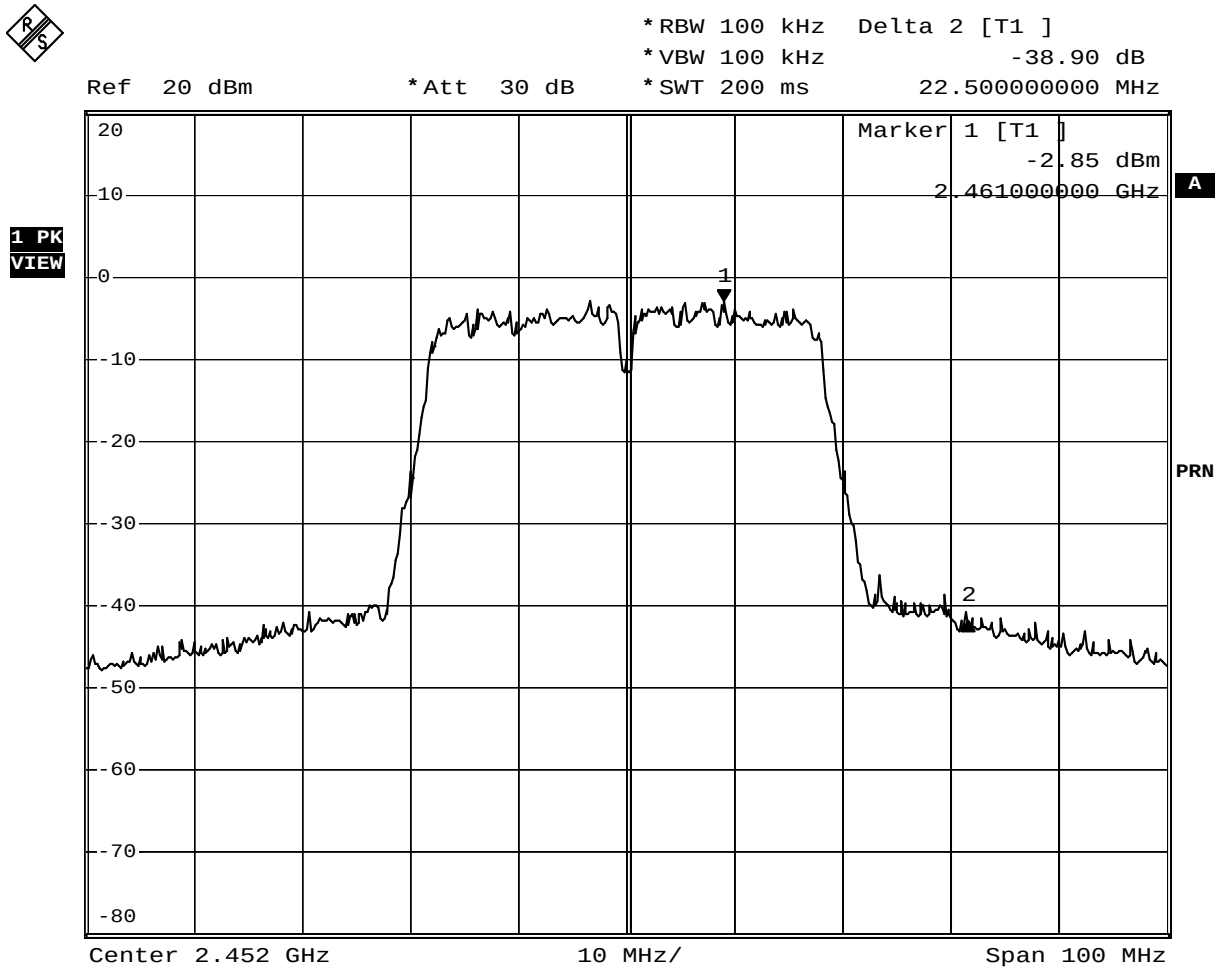
IEEE 802.11n (ANT A (40MHz)), Antenna Gain: 1.8dBi, Duty Cycle: 1				
Channel No.	Frequency (MHz)	Measure Level (dBc)	Limit (dBc)	Result
3	2422	33.45	≧ 30	Pass
9	2452	38.90	≧ 30	Pass

Channel 3 (2422MHz)



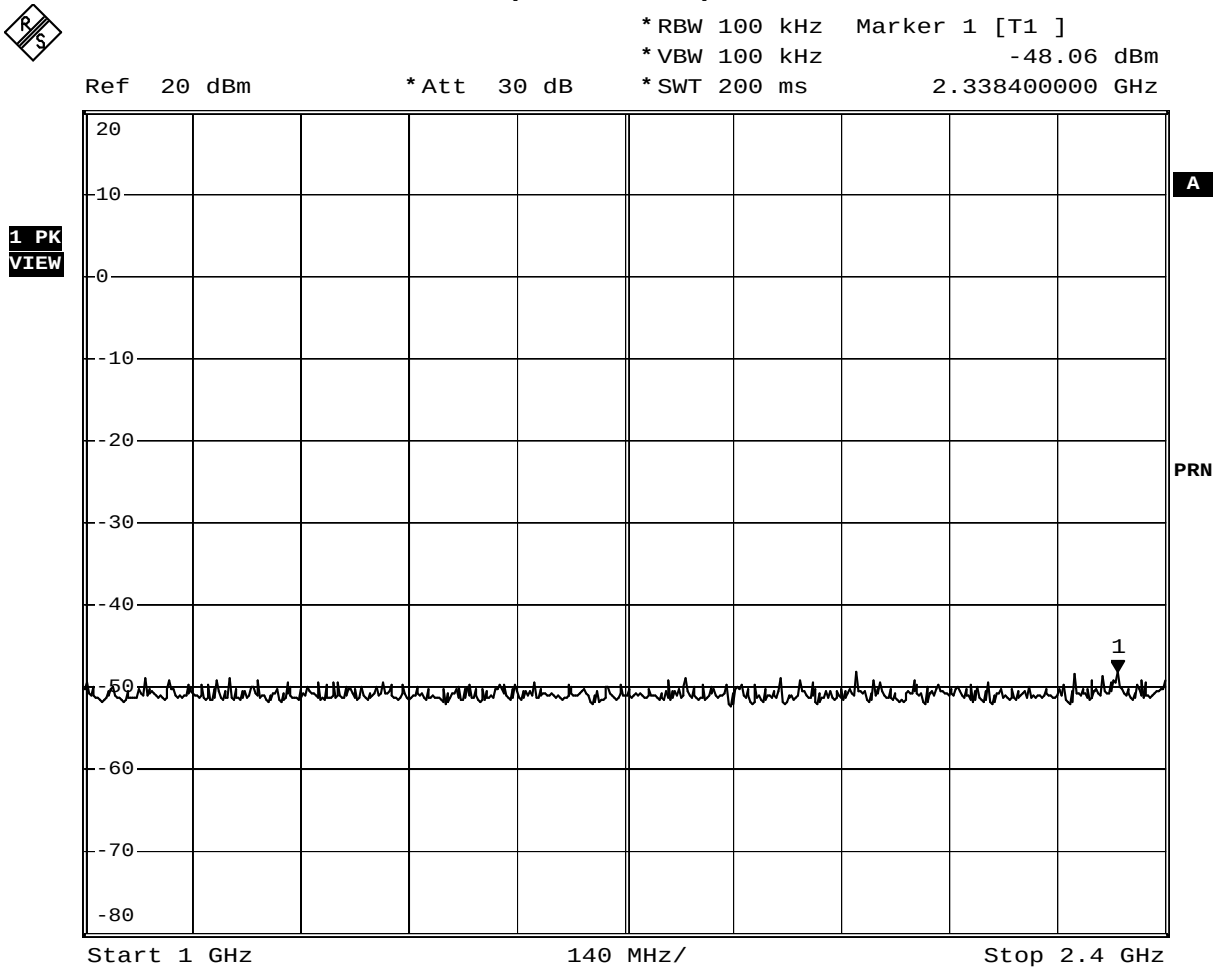
Date: 27.MAR.2009 05:11:15

Channel 9 (2452MHz)



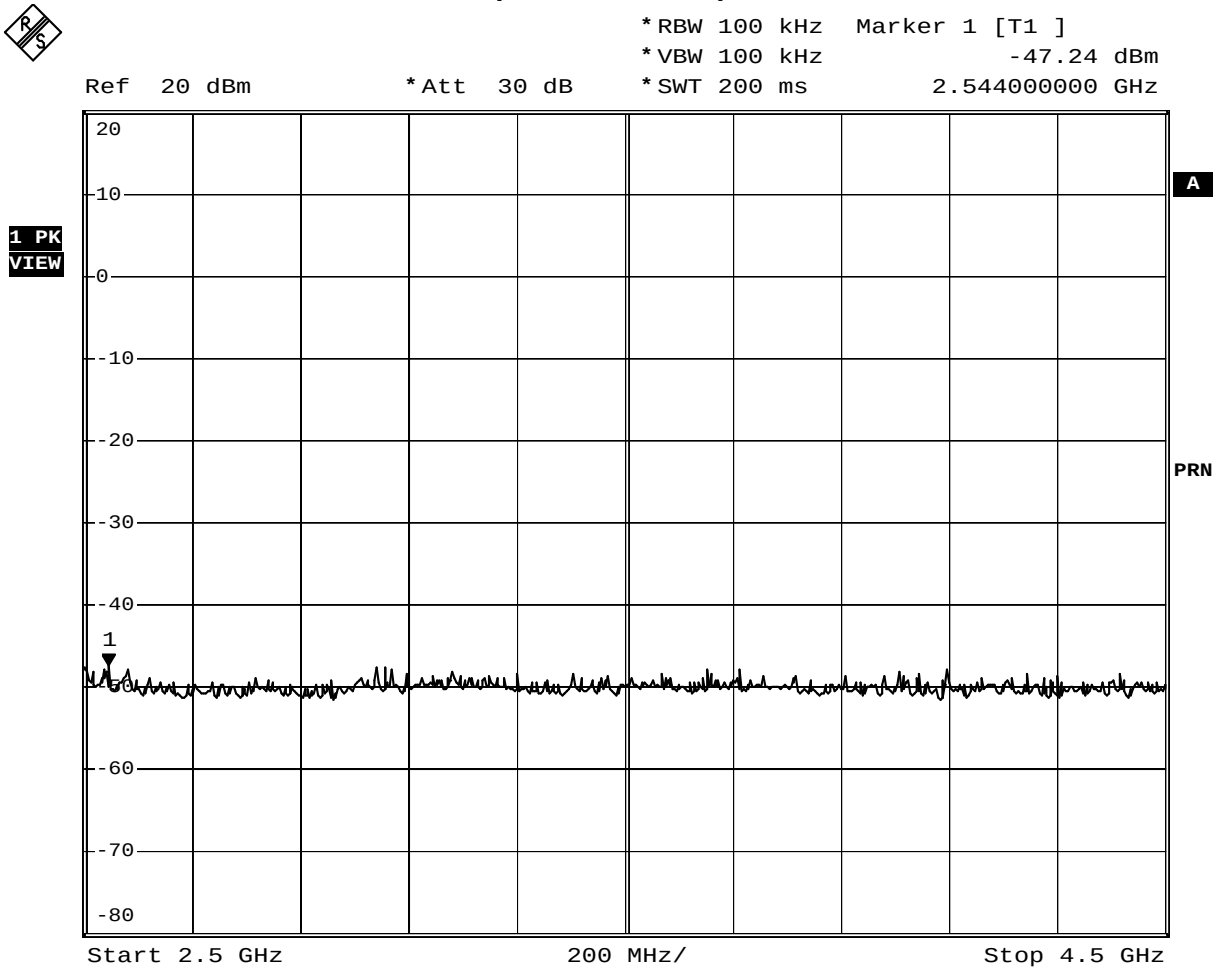
Date: 27.MAR.2009 06:06:13

(1GHz-2.4GHz)



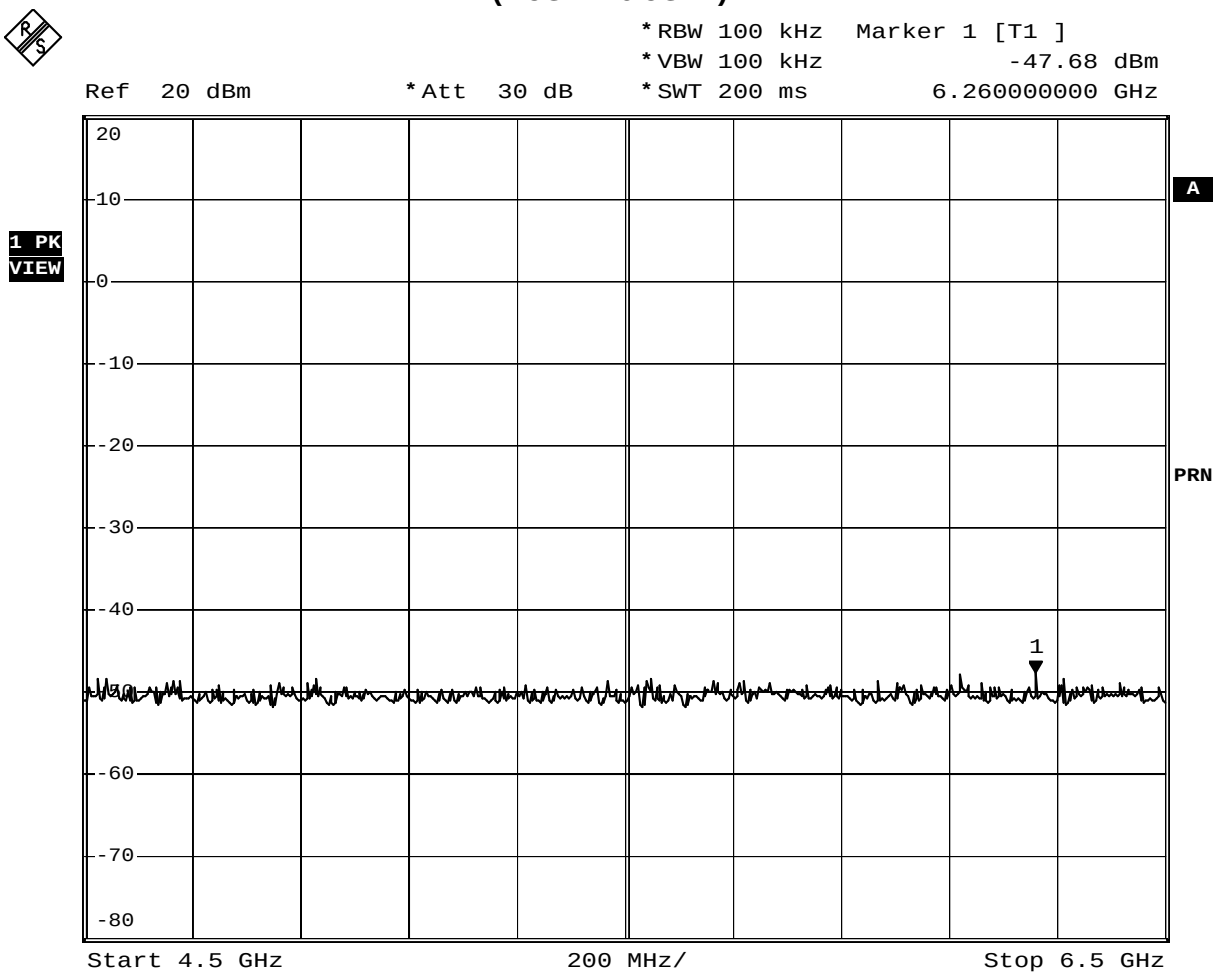
Date: 27.MAR.2009 14:33:29

(2.5GHz~4.5GHz)



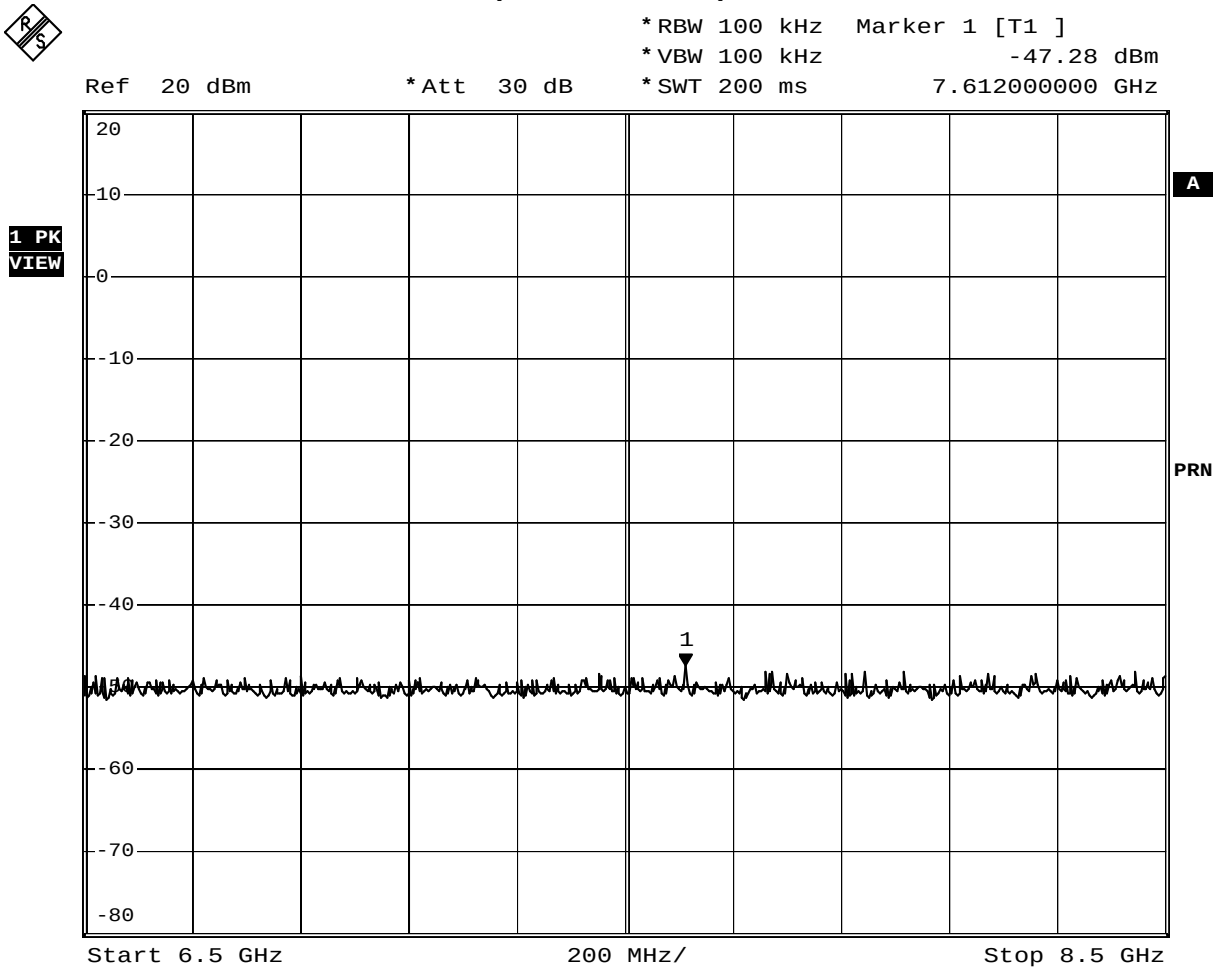
Date: 27.MAR.2009 14:36:18

(4.5GHz~6.5GHz)



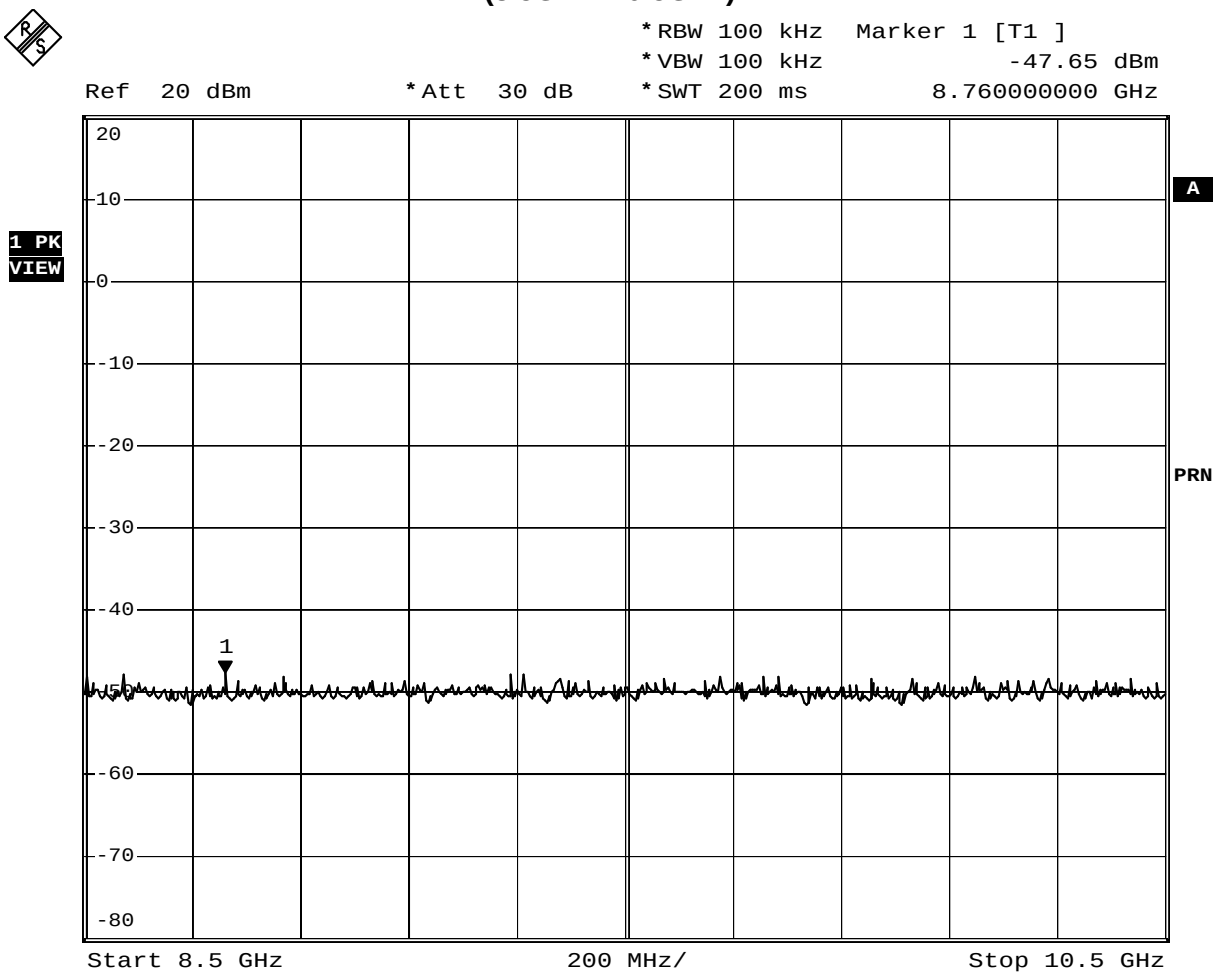
Date: 27.MAR.2009 14:36:56

(6.5GHz~8.5GHz)



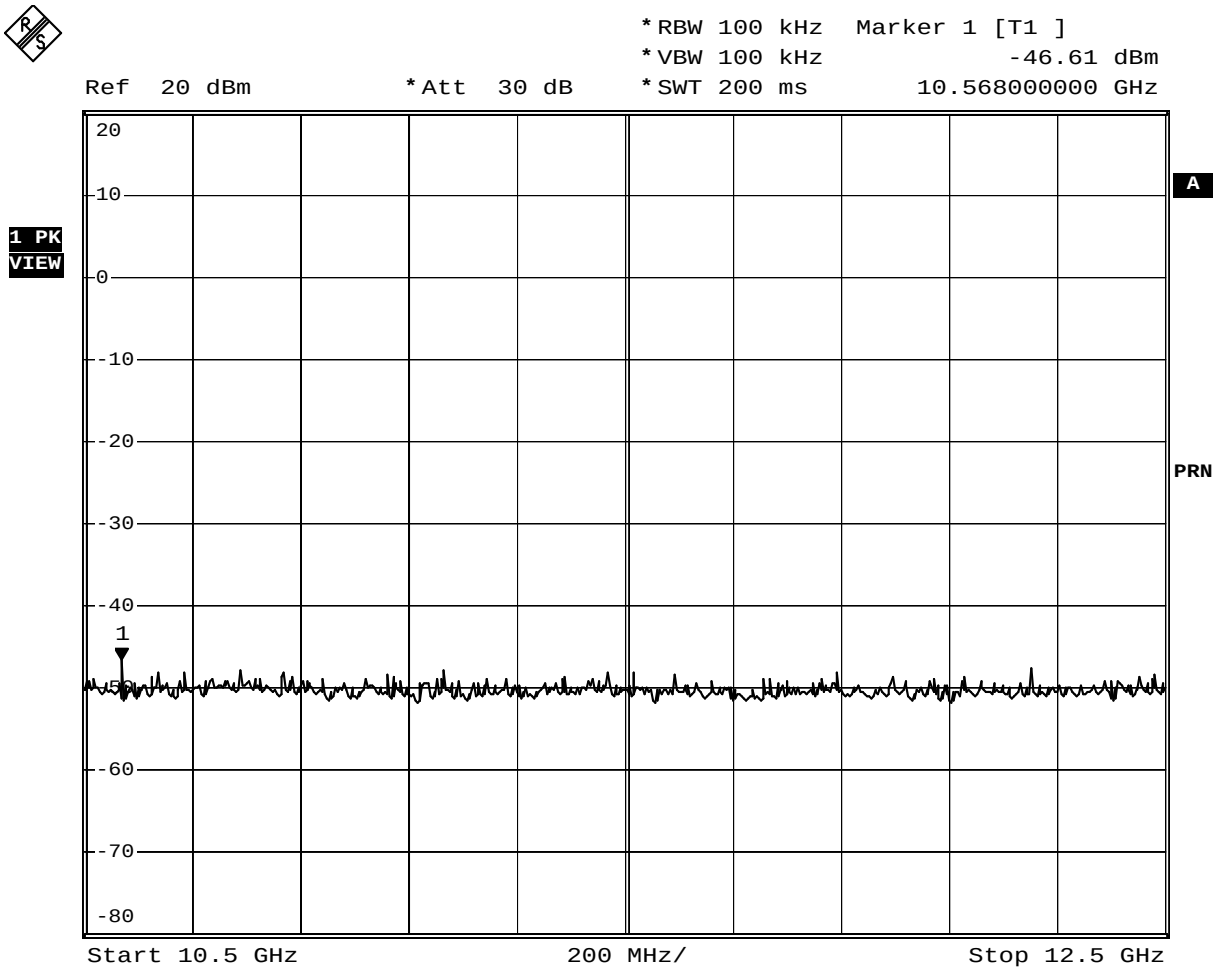
Date: 27.MAR.2009 14:37:35

(8.5GHz~10.5GHz)



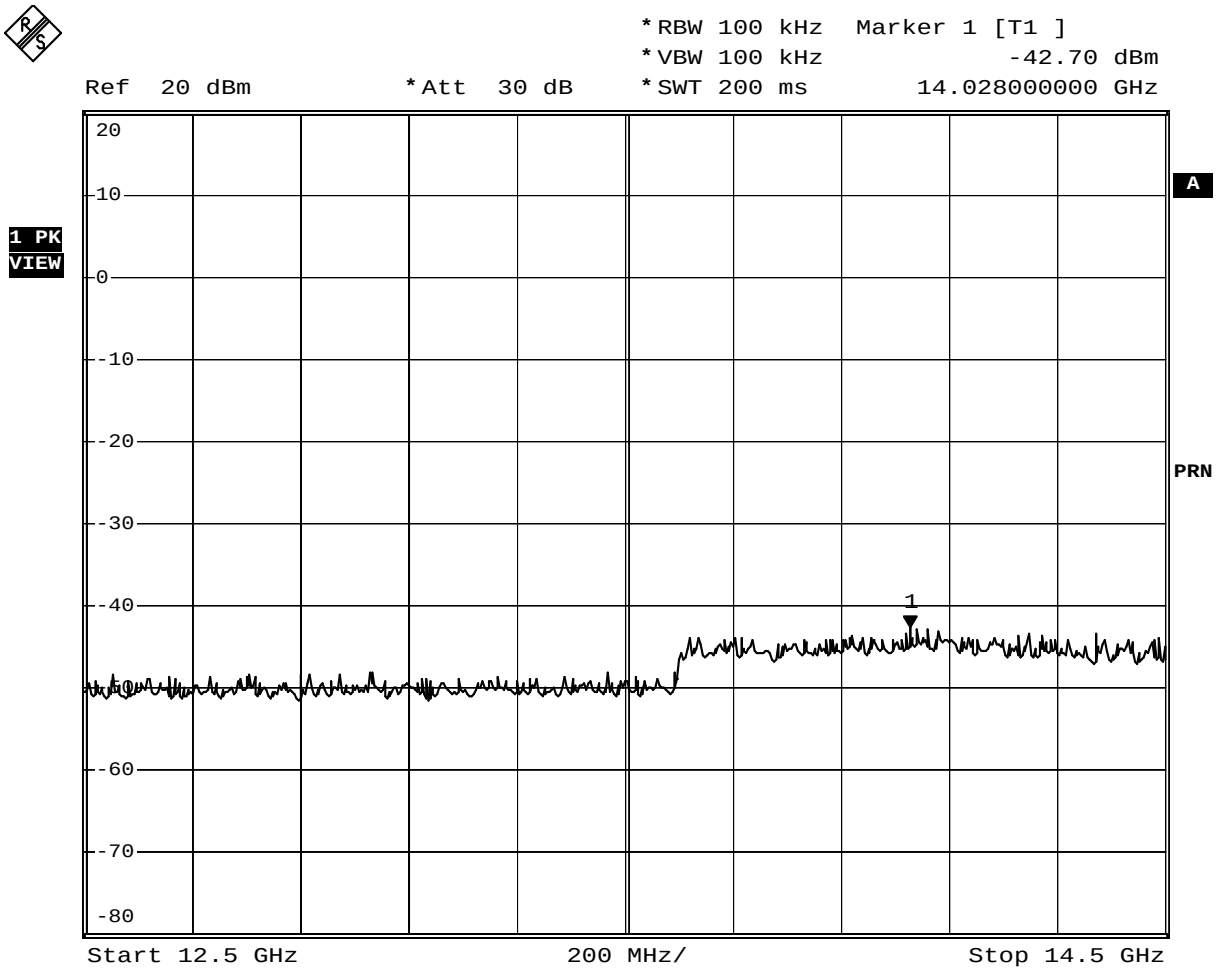
Date: 27.MAR.2009 14:38:21

(10.5GHz~12.5GHz)



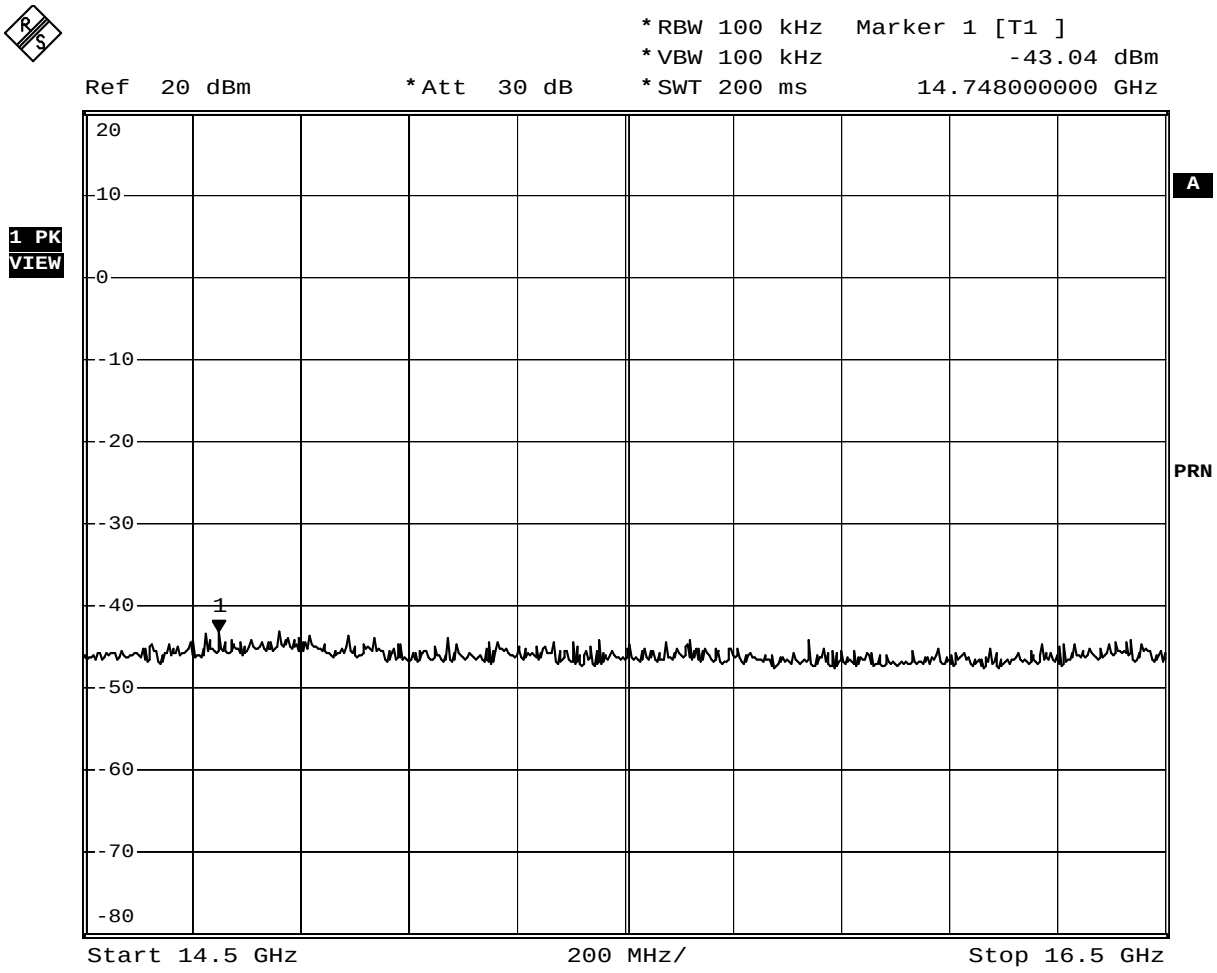
Date: 27.MAR.2009 14:39:01

(12.5GHz~14.5GHz)



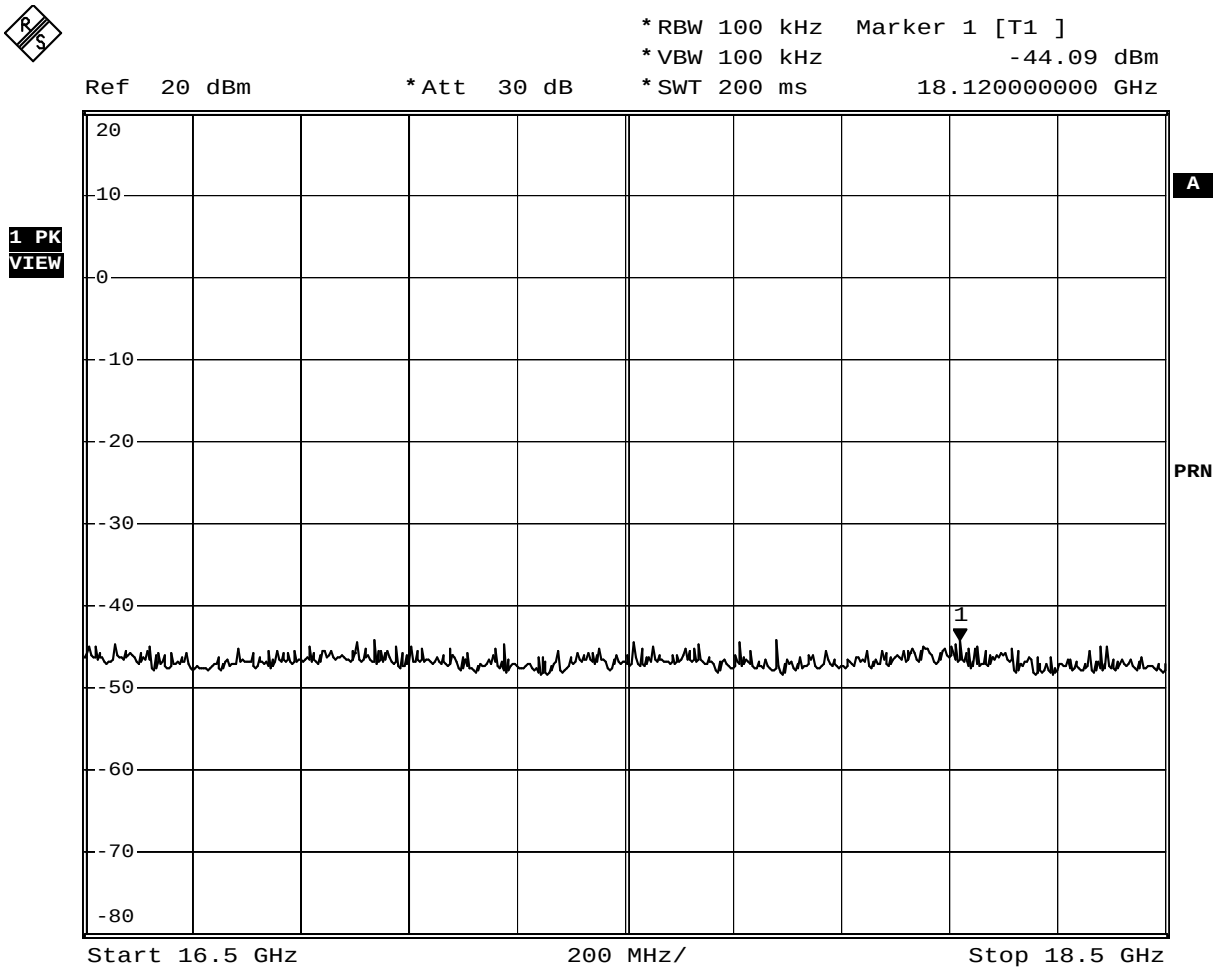
Date: 27.MAR.2009 14:40:02

(14.5GHz~16.5GHz)



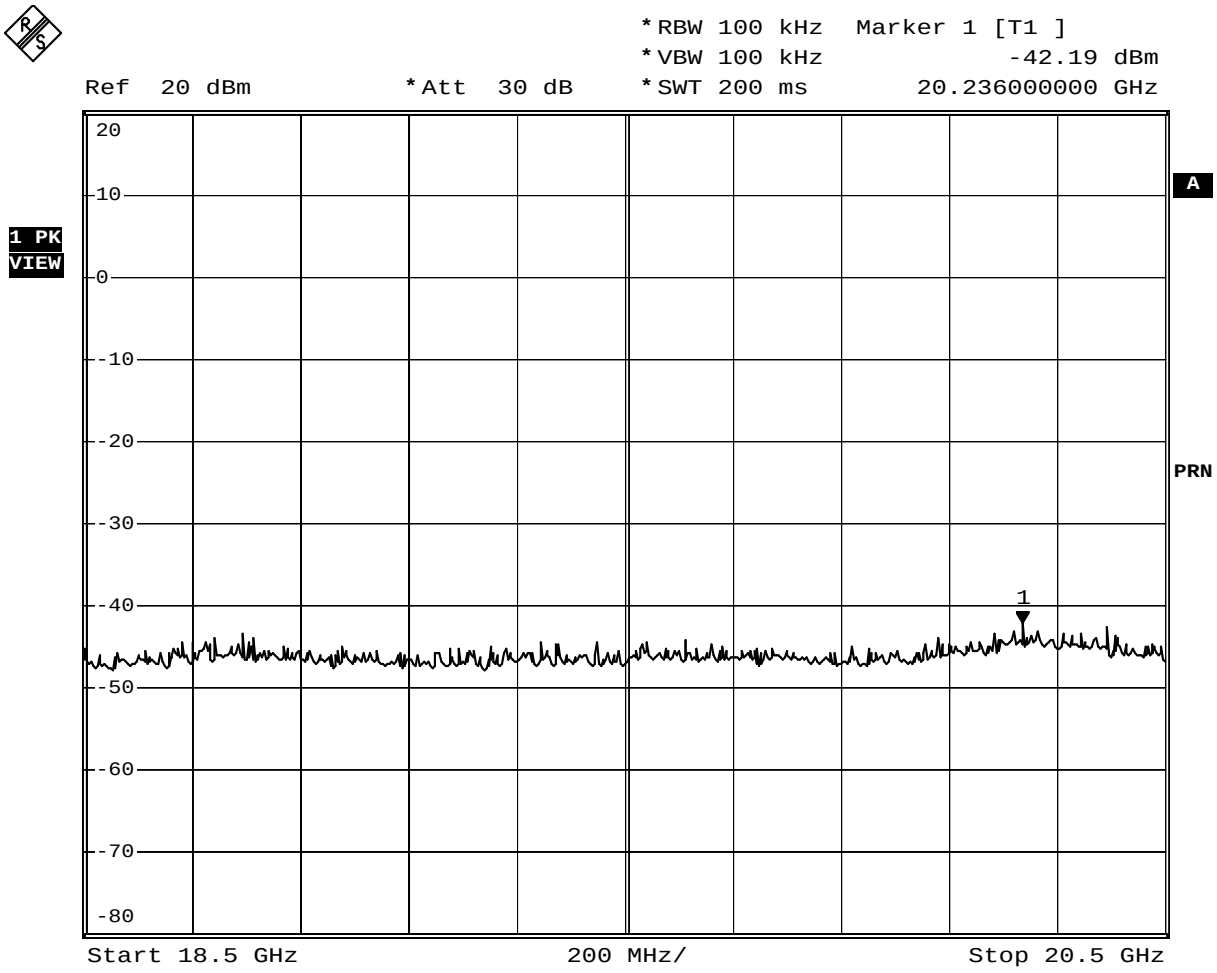
Date: 27.MAR.2009 14:40:38

(16.5GHz~18.5GHz)



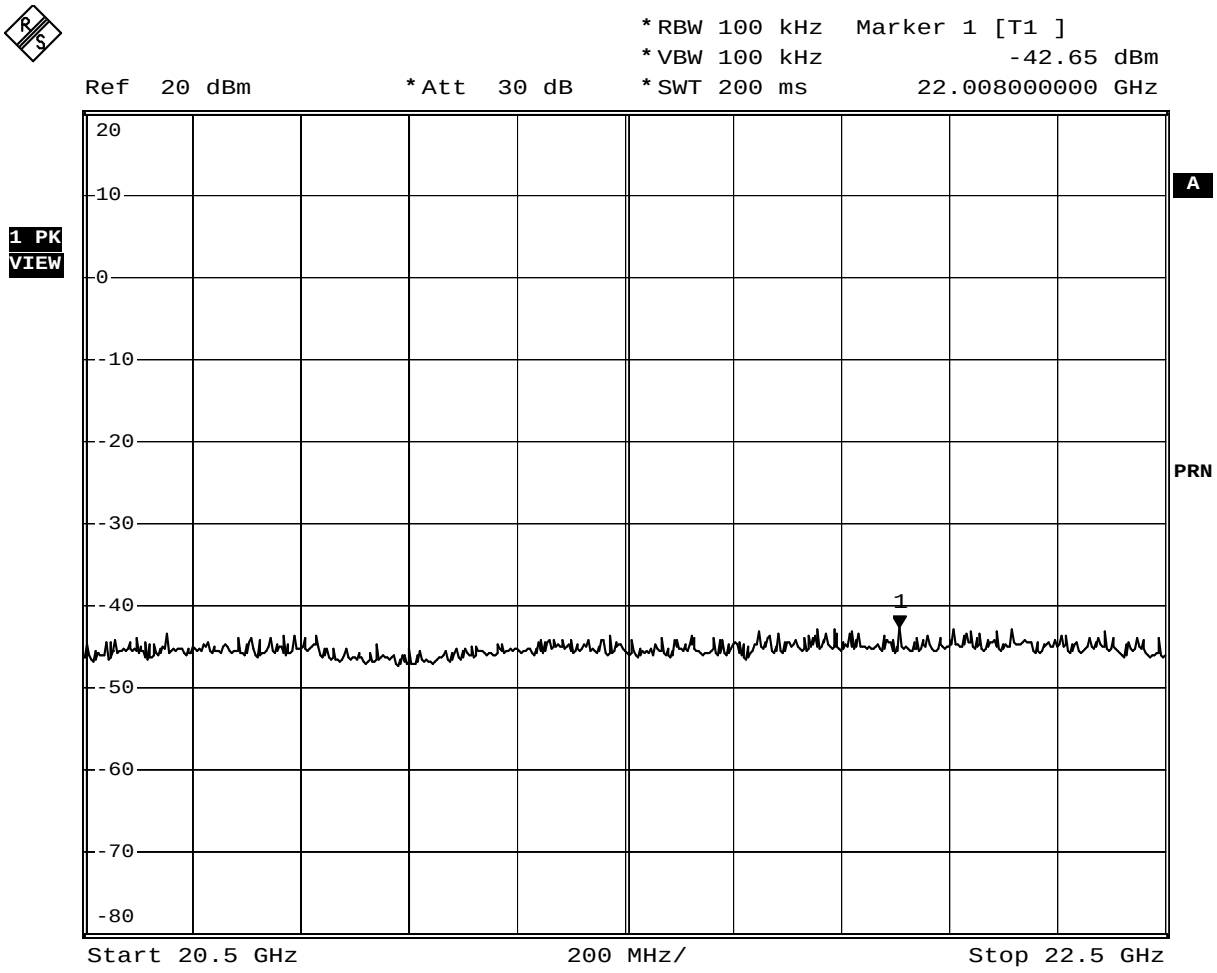
Date: 27.MAR.2009 14:41:18

(18.5GHz~20.5GHz)



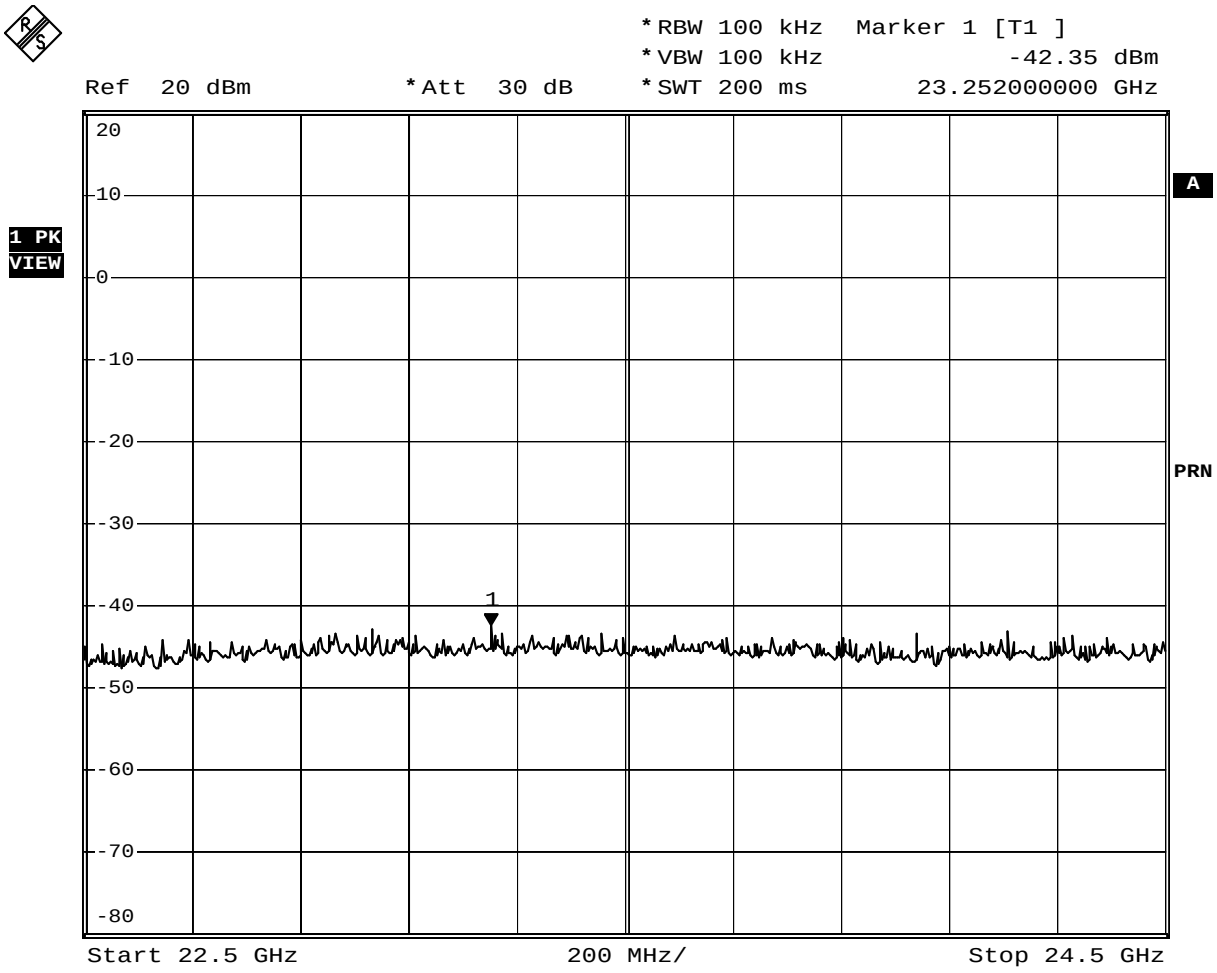
Date: 27.MAR.2009 14:41:55

(20.5GHz~22.5GHz)



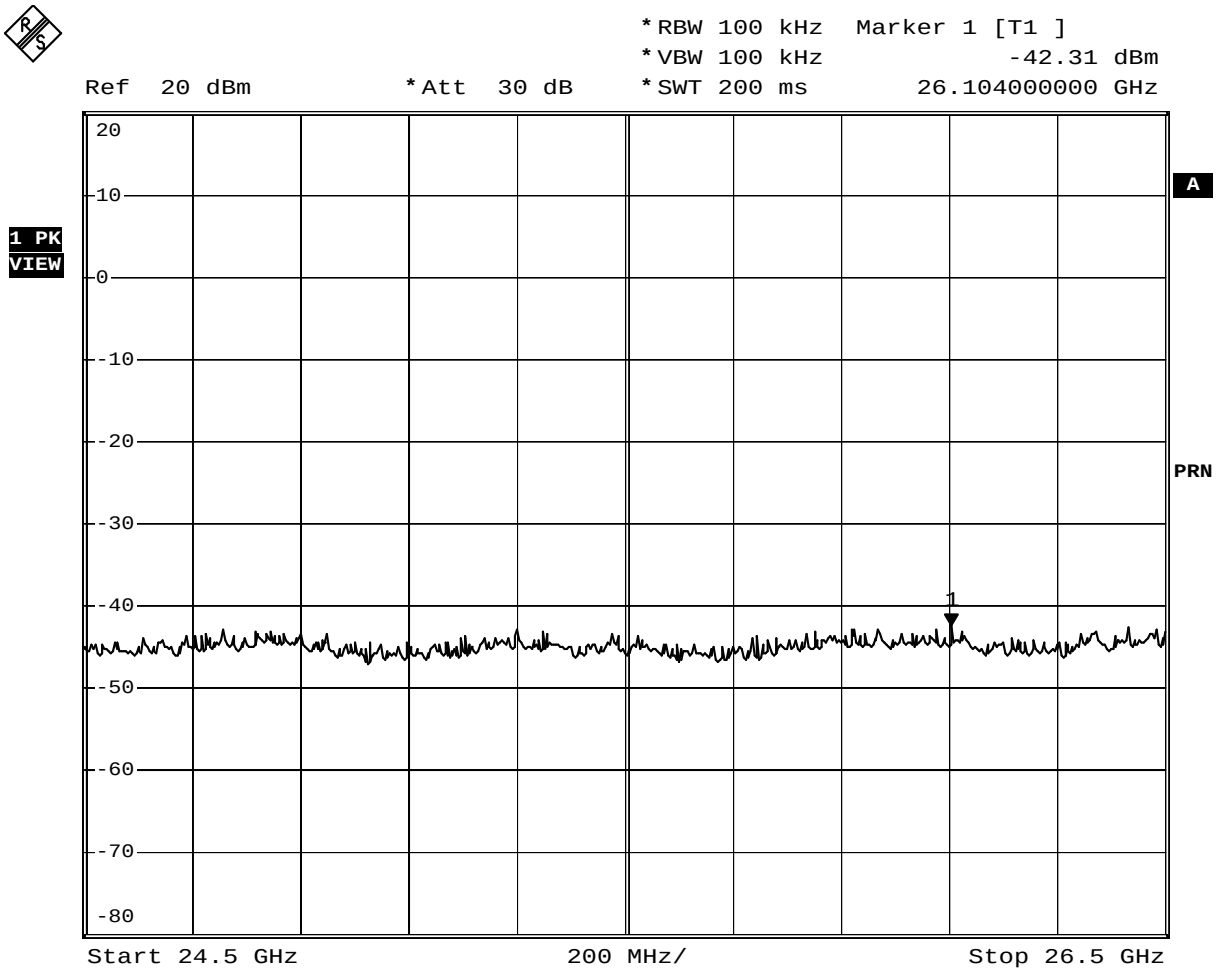
Date: 27.MAR.2009 14:42:39

(22.5GHz~24.5GHz)



Date: 27.MAR.2009 14:43:39

(24.5GHz~26.5GHz)



Date: 27.MAR.2009 14:44:12

6. Radiated Emission Band Edge

6.1. Test Equipment

The following test equipments are used during the test:

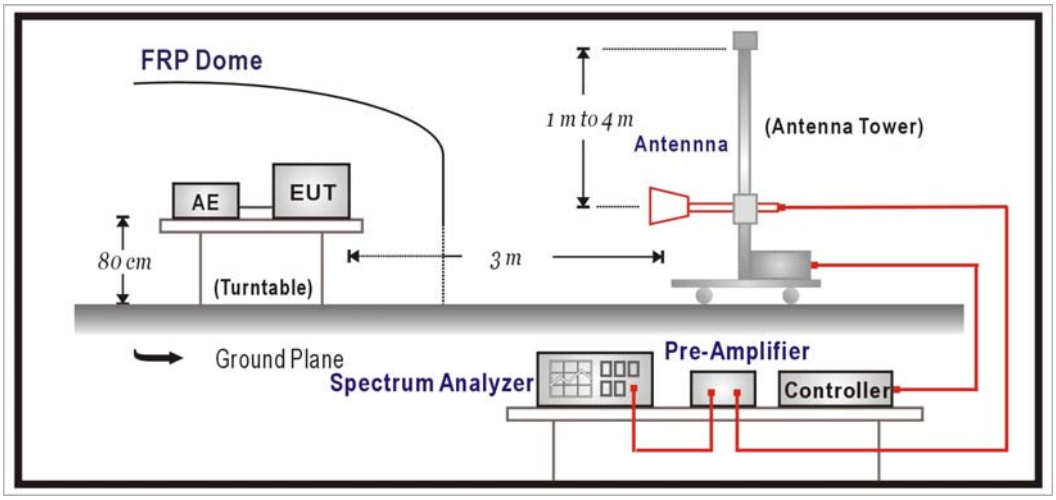
RF Radiated Measurement:					
Item	Equipment		Manufacturer	Model No. / Serial No.	Last Cal.
1	X	Spectrum Analyzer	R & S	FSP40 / 100005	Aug., 2008
2	X	Pre-Amplifier	HP	8449B / 3008A01123	Feb., 2008
3		Loop Antenna	R & S	HFH2-Z2 / 833799/004	Sep., 2008
4		BiconiLog Antenna	Schwarzbeck	VULB 9166 / 1061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

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 FHSS test procedure of FCC Public Notice DA 00-705 for compliance to FCC 47CFR 15.247 requirements.

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

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

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

6.5. Test Specification

According to FCC Part 15 Subpart C Paragraph 15.207: 2009

6.6. Uncertainty

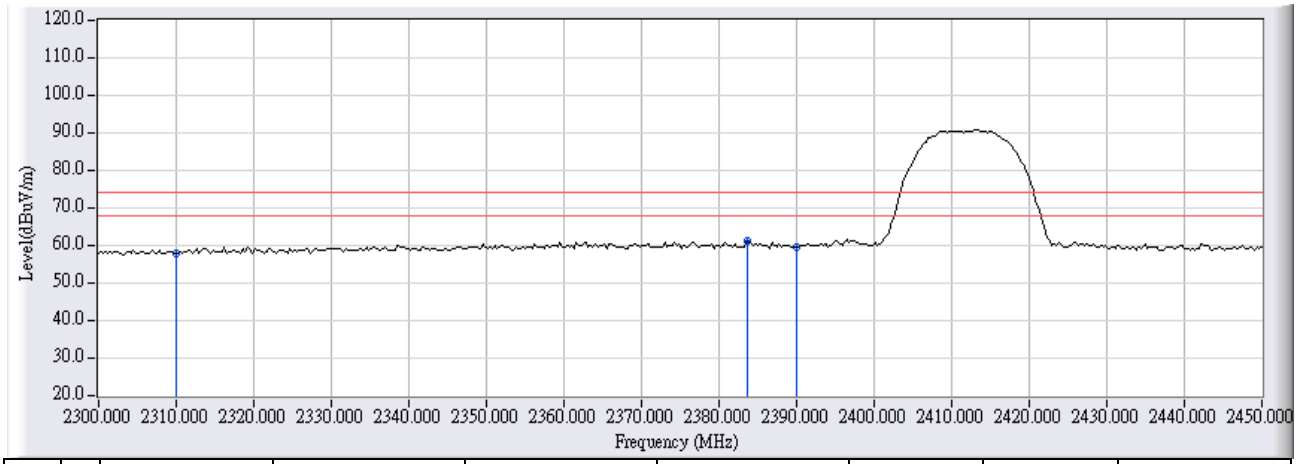
The measurement uncertainty

± 3.9 dB above 1GHz

6.7. Test Result

Radiated is defined as

Site : Site 1	**Time : 2009/03/25 - 16:33**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : Site 1_FCC_1-18G(2009-01) - HORIZONTAL	**Power : AC 120V / 60Hz**
EUT : Wireless N 150 Home Router	**Note : TX-802.11b-2412**

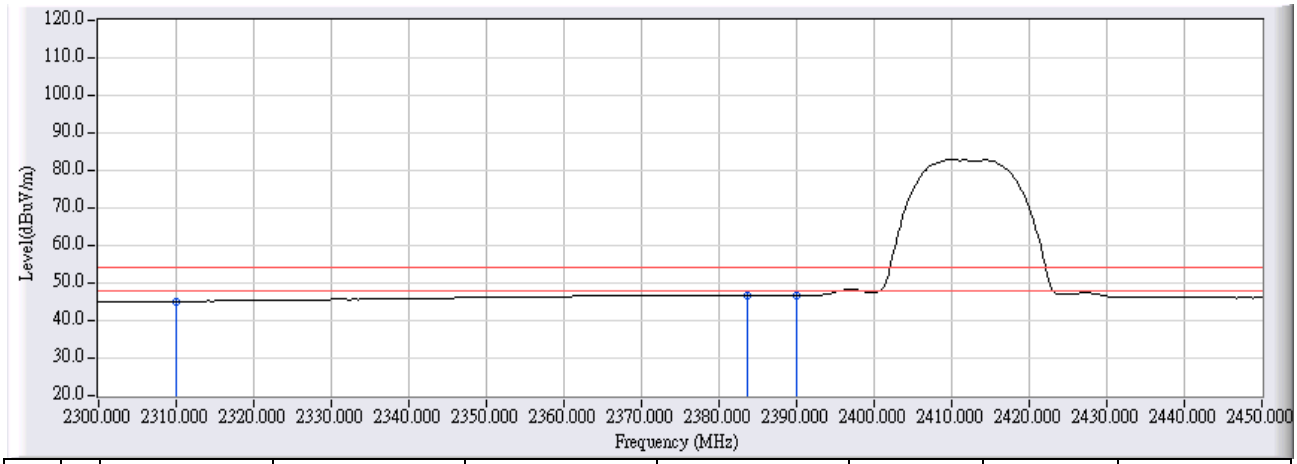


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	28.919	28.930	57.849	-16.151	74.000	PEAK
2	*	2383.567	29.266	31.823	61.089	-12.911	74.000	PEAK
3		2390.000	29.295	30.334	59.629	-14.371	74.000	PEAK

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 : 2009/03/25 - 16:37**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : Site 1_FCC_1-18G(2009-01) - HORIZONTAL	**Power : AC 120V / 60Hz**
EUT : Wireless N 150 Home Router	**Note : TX-802.11b-2412**

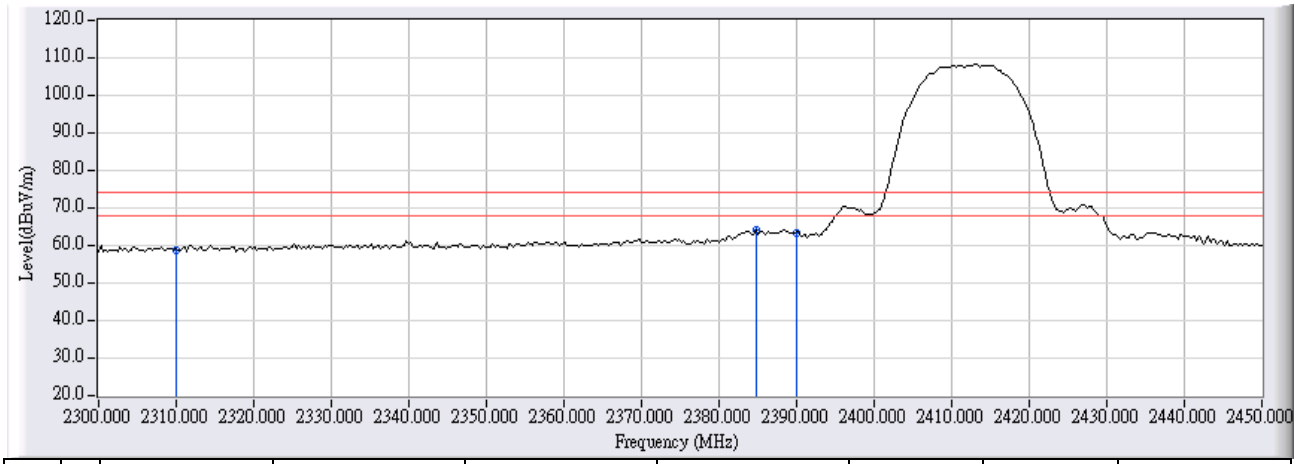


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	28.919	16.187	45.106	-8.894	54.000	AVERAGE
2		2383.567	29.266	17.462	46.728	-7.272	54.000	AVERAGE
3	*	2390.000	29.295	17.451	46.746	-7.254	54.000	AVERAGE

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 : 2009/03/25 - 16:52**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : Site 1_FCC_1-18G(2009-01) - VERTICAL	**Power : AC 120V / 60Hz**
EUT : Wireless N 150 Home Router	**Note : TX-802.11b-2412**

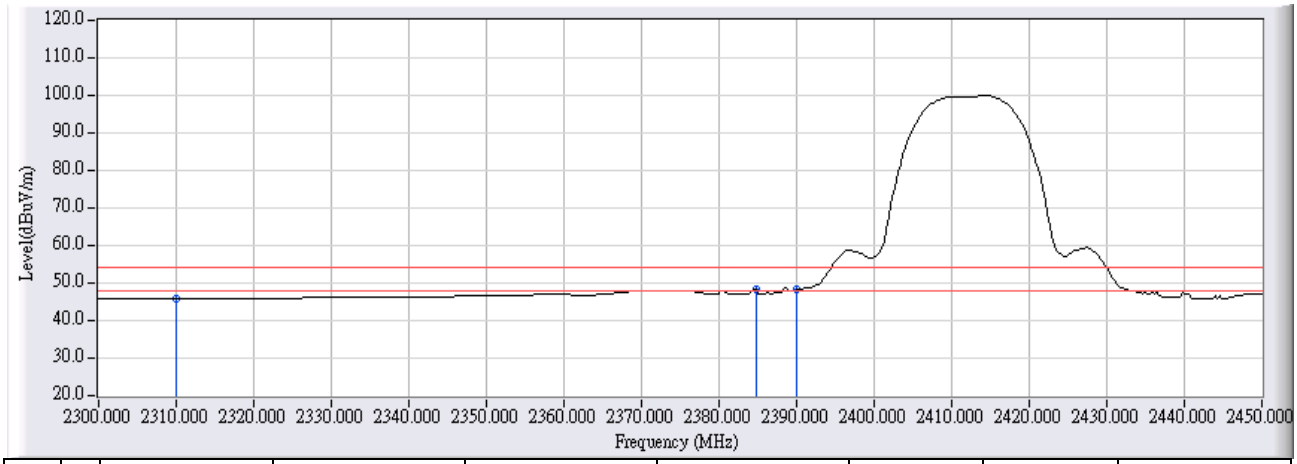


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	29.545	29.355	58.900	-15.100	74.000	PEAK
2	*	2384.770	29.146	34.932	64.078	-9.922	74.000	PEAK
3		2390.000	29.117	34.229	63.345	-10.655	74.000	PEAK

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 : 2009/03/25 - 17:02**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : Site 1_FCC_1-18G(2009-01) - VERTICAL	**Power : AC 120V / 60Hz**
EUT : Wireless N 150 Home Router	**Note : TX-802.11b-2412**

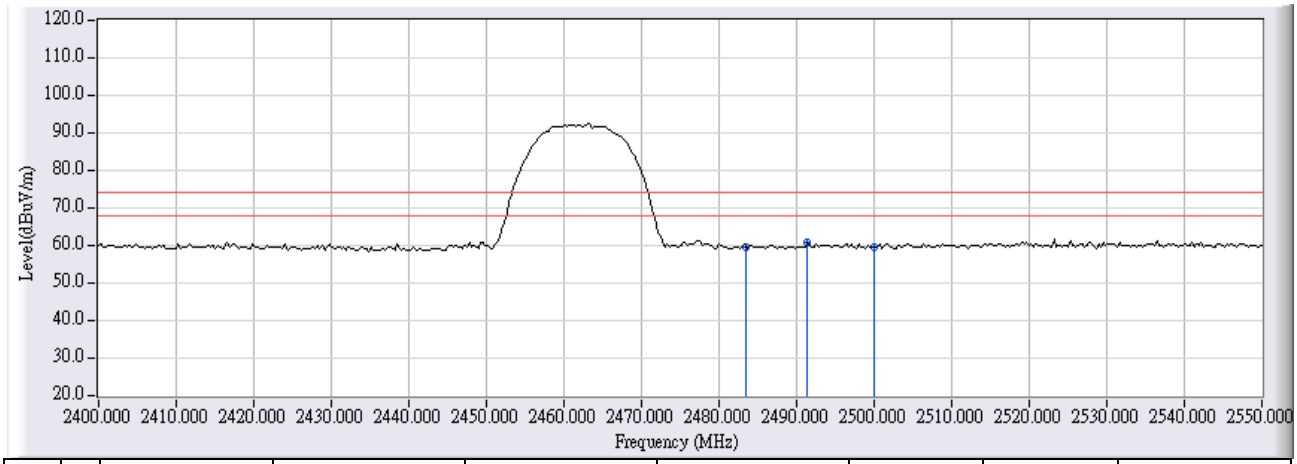


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	29.545	16.247	45.792	-8.208	54.000	AVERAGE
2	*	2384.770	29.146	19.113	48.259	-5.741	54.000	AVERAGE
3		2390.000	29.117	19.026	48.142	-5.858	54.000	AVERAGE

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 : 2009/03/25 - 17:08**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : Site 1_FCC_1-18G(2009-01) - HORIZONTAL	**Power : AC 120V / 60Hz**
EUT : Wireless N 150 Home Router	**Note : TX-802.11b-2462**

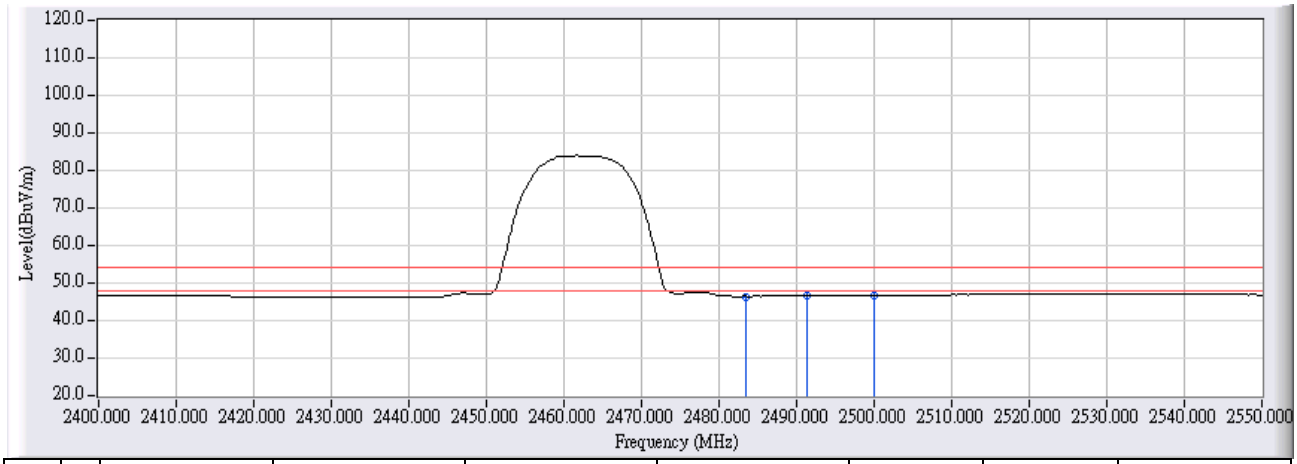


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2483.500	29.742	29.746	59.488	-14.512	74.000	PEAK
2	*	2491.383	29.777	31.050	60.827	-13.173	74.000	PEAK
3		2500.000	29.819	29.849	59.668	-14.332	74.000	PEAK

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 : 2009/03/25 - 17:10**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : Site 1_FCC_1-18G(2009-01) - HORIZONTAL	**Power : AC 120V / 60Hz**
EUT : Wireless N 150 Home Router	**Note : TX-802.11b-2462**

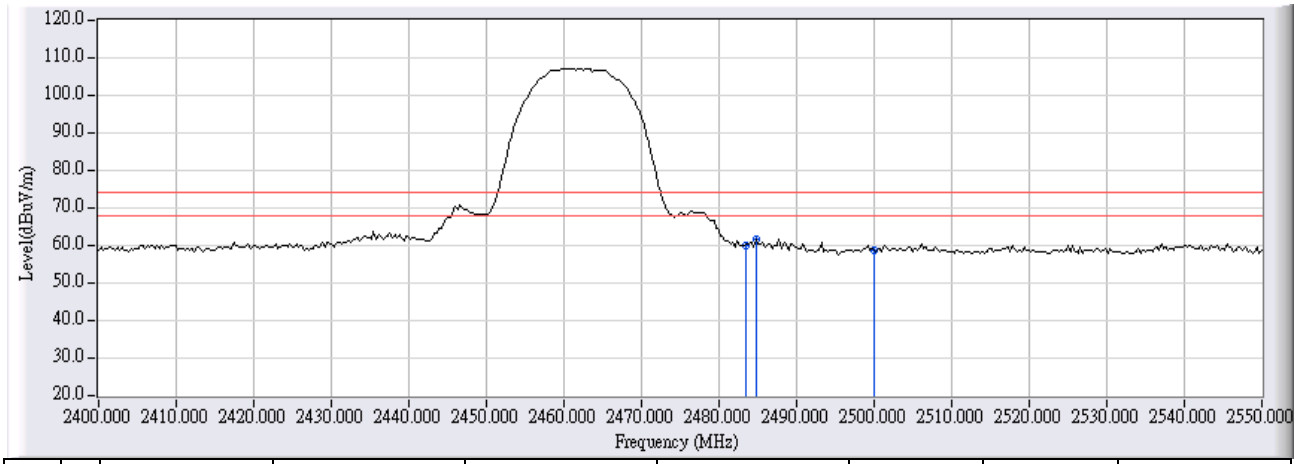


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2483.500	29.742	16.708	46.450	-7.550	54.000	AVERAGE
2		2491.383	29.777	16.832	46.609	-7.391	54.000	AVERAGE
3	*	2500.000	29.819	16.909	46.728	-7.272	54.000	AVERAGE

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 : 2009/03/25 - 17:20**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : Site 1_FCC_1-18G(2009-01) - VERTICAL	**Power : AC 120V / 60Hz**
EUT : Wireless N 150 Home Router	**Note : TX-802.11b-2462**

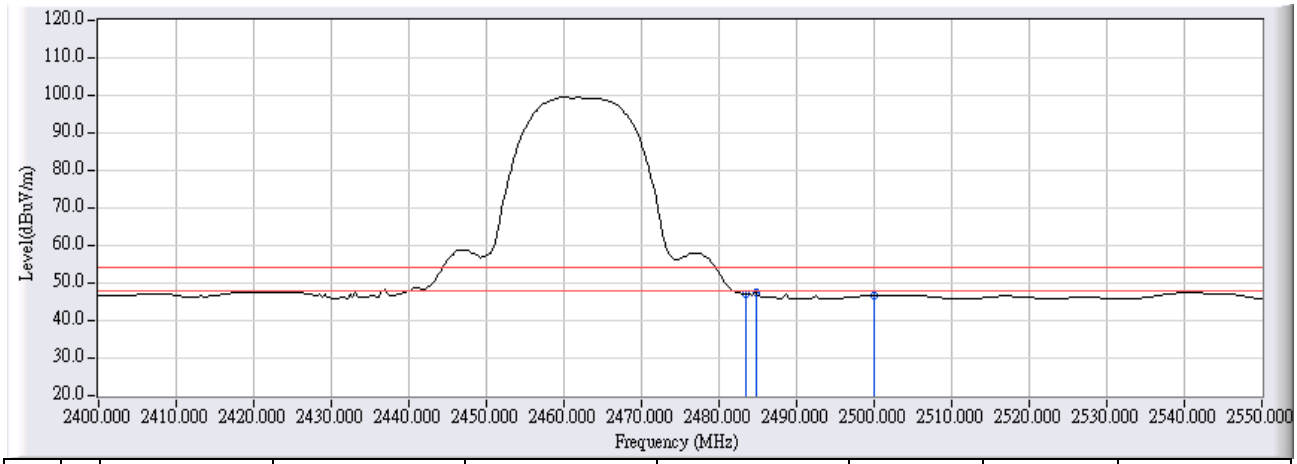


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2483.500	28.620	31.586	60.206	-13.794	74.000	PEAK
2	*	2484.770	28.612	33.224	61.836	-12.164	74.000	PEAK
3		2500.000	28.556	30.182	58.737	-15.263	74.000	PEAK

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 : 2009/03/25 - 17:22**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : Site 1_FCC_1-18G(2009-01) - VERTICAL	**Power : AC 120V / 60Hz**
EUT : Wireless N 150 Home Router	**Note : TX-802.11b-2462**

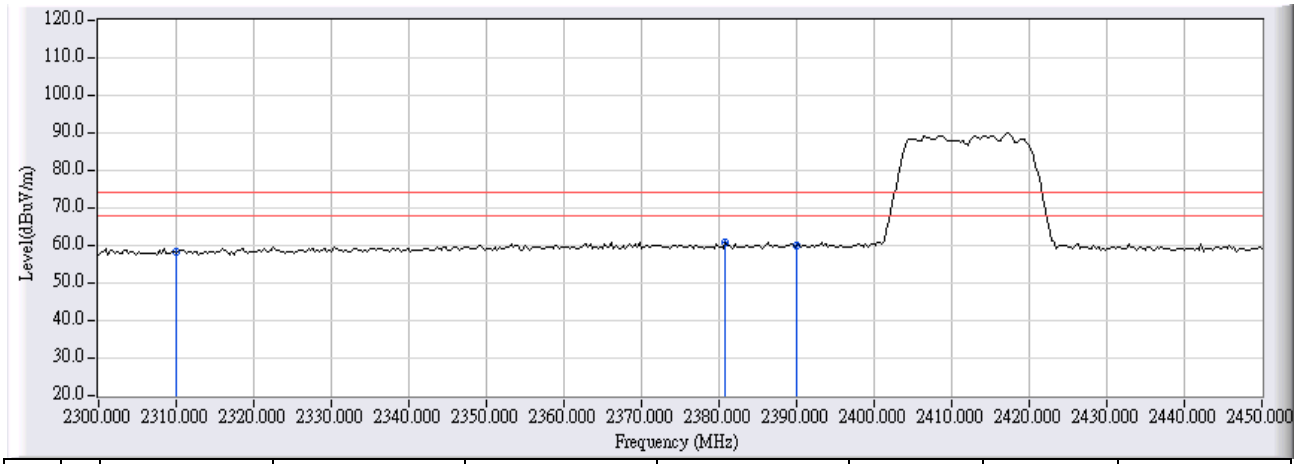


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2483.500	28.620	18.431	47.051	-6.949	54.000	AVERAGE
2	*	2484.770	28.612	18.766	47.378	-6.622	54.000	AVERAGE
3		2500.000	28.556	18.145	46.700	-7.300	54.000	AVERAGE

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 : 2009/03/25 - 17:27**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : Site 1_FCC_1-18G(2009-01) - HORIZONTAL	**Power : AC 120V / 60Hz**
EUT : Wireless N 150 Home Router	**Note : TX-802.11g-2412**

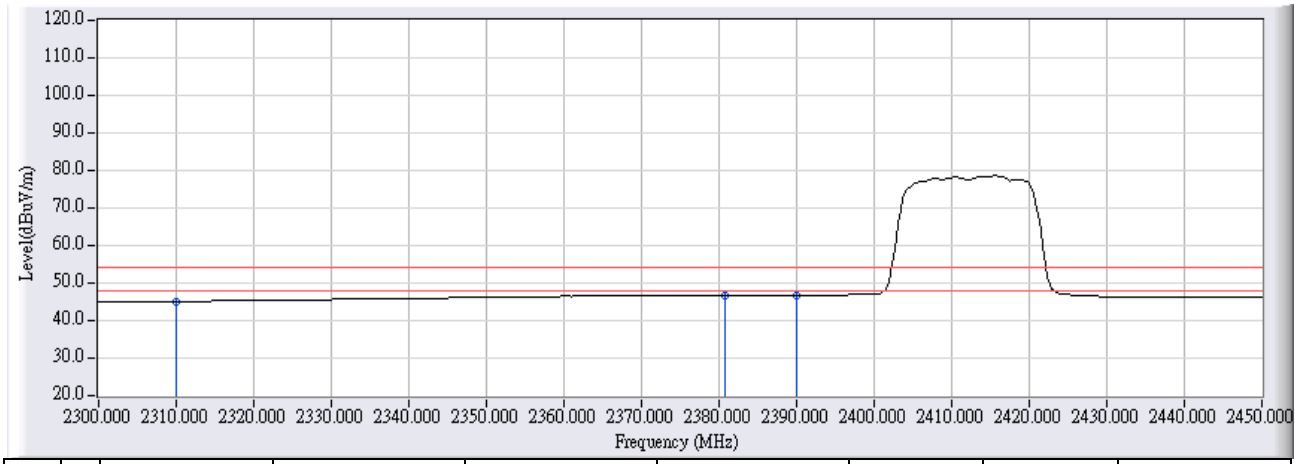


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	28.919	29.256	58.175	-15.825	74.000	PEAK
2	*	2380.862	29.254	31.613	60.867	-13.133	74.000	PEAK
3		2390.000	29.295	30.660	59.955	-14.045	74.000	PEAK

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 : 2009/03/25 - 17:30**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : Site 1_FCC_1-18G(2009-01) - HORIZONTAL	**Power : AC 120V / 60Hz**
EUT : Wireless N 150 Home Router	**Note : TX-802.11g-2412**

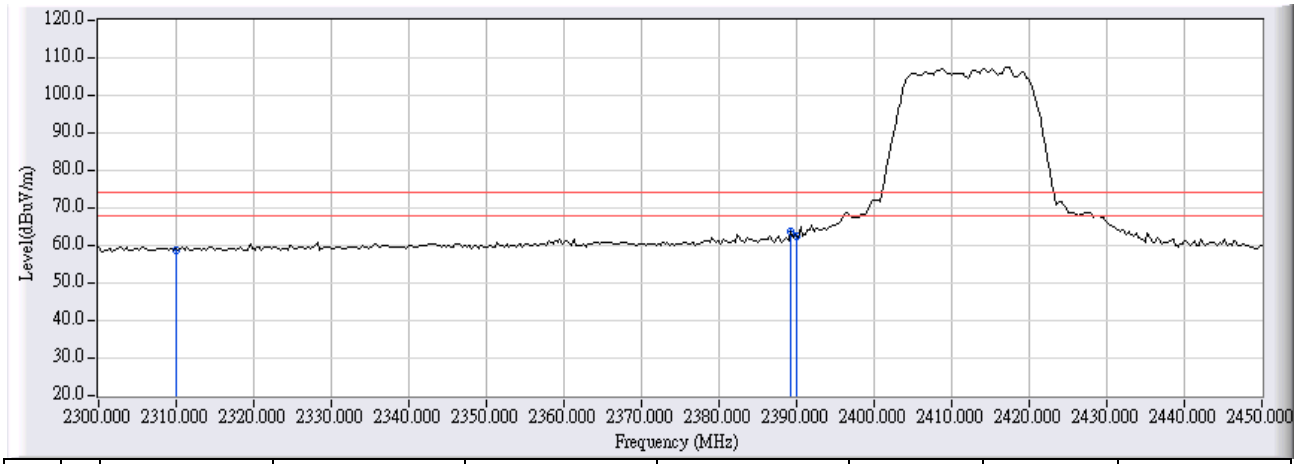


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	28.919	16.213	45.132	-8.868	54.000	AVERAGE
2	*	2380.862	29.254	17.493	46.747	-7.253	54.000	AVERAGE
3		2390.000	29.295	17.444	46.739	-7.261	54.000	AVERAGE

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 : 2009/03/25 - 17:36**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : Site 1_FCC_1-18G(2009-01) - VERTICAL	**Power : AC 120V / 60Hz**
EUT : Wireless N 150 Home Router	**Note : TX-802.11g-2412**

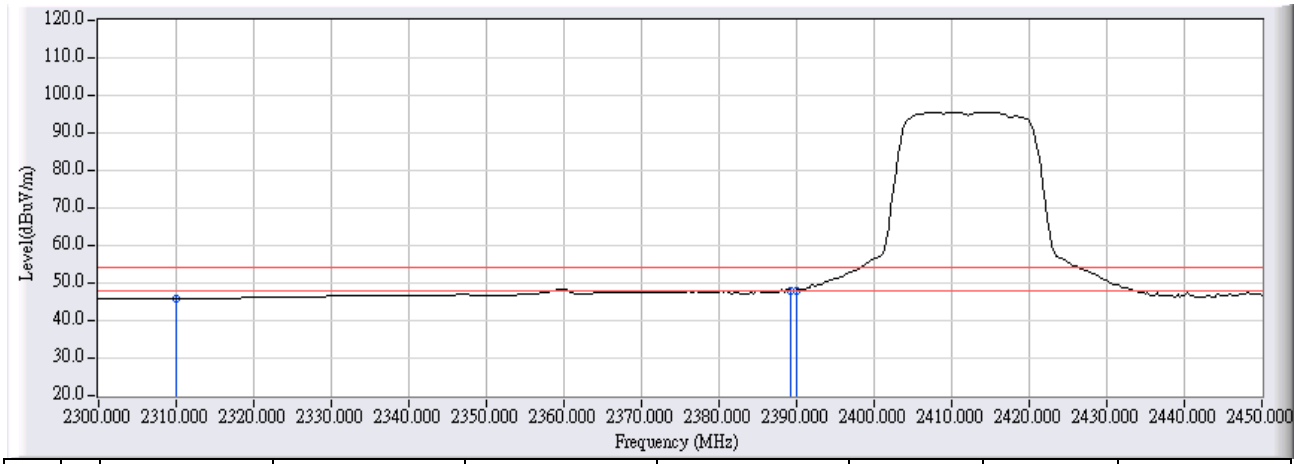


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	29.545	29.409	58.954	-15.046	74.000	PEAK
2	*	2389.279	29.120	34.611	63.731	-10.269	74.000	PEAK
3		2390.000	29.117	33.277	62.393	-11.607	74.000	PEAK

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 : 2009/03/25 - 17:38**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : Site 1_FCC_1-18G(2009-01) - VERTICAL	**Power : AC 120V / 60Hz**
EUT : Wireless N 150 Home Router	**Note : TX-802.11g-2412**

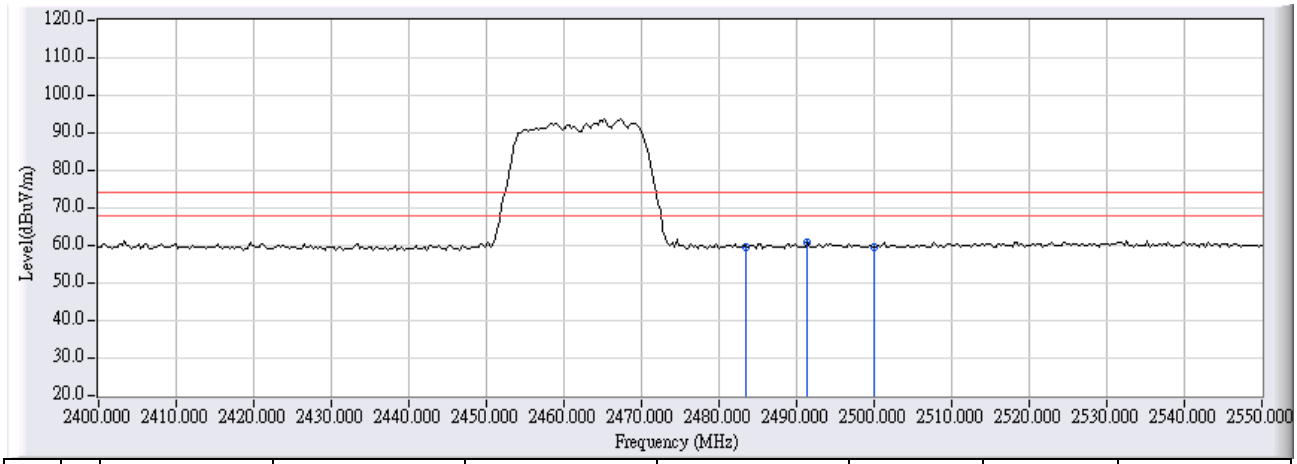


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	29.545	16.357	45.902	-8.098	54.000	AVERAGE
2		2389.279	29.120	18.655	47.775	-6.225	54.000	AVERAGE
3	*	2390.000	29.117	18.931	48.047	-5.953	54.000	AVERAGE

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 : 2009/03/25 - 17:43**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : Site 1_FCC_1-18G(2009-01) - HORIZONTAL	**Power : AC 120V / 60Hz**
EUT : Wireless N 150 Home Router	**Note : TX-802.11g-2462**

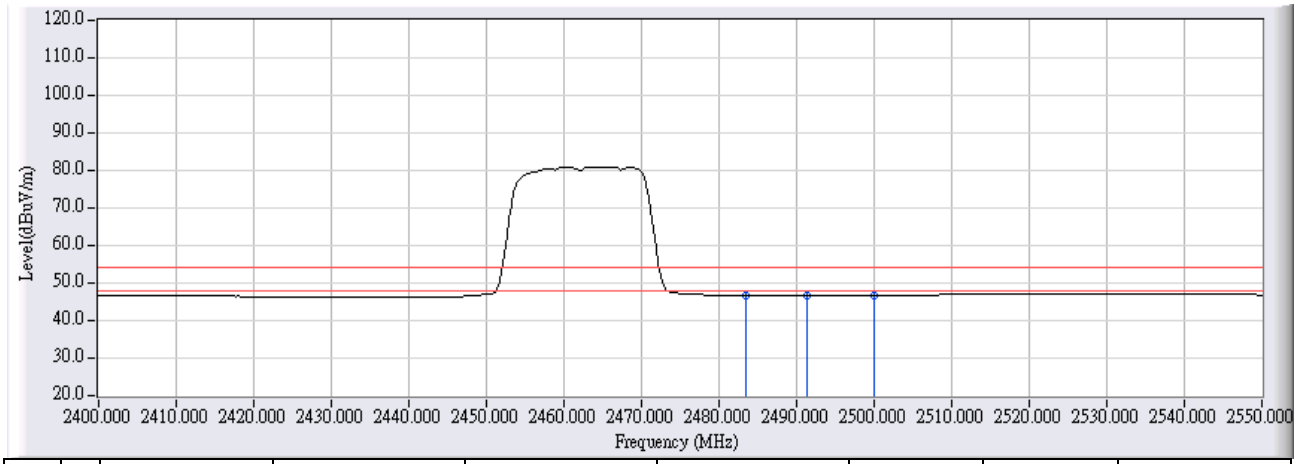


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2483.500	29.742	29.940	59.682	-14.318	74.000	PEAK
2	*	2491.383	29.777	31.126	60.903	-13.097	74.000	PEAK
3		2500.000	29.819	29.810	59.629	-14.371	74.000	PEAK

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 : 2009/03/25 - 17:47**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : Site 1_FCC_1-18G(2009-01) - HORIZONTAL	**Power : AC 120V / 60Hz**
EUT : Wireless N 150 Home Router	**Note : TX-802.11g-2462**

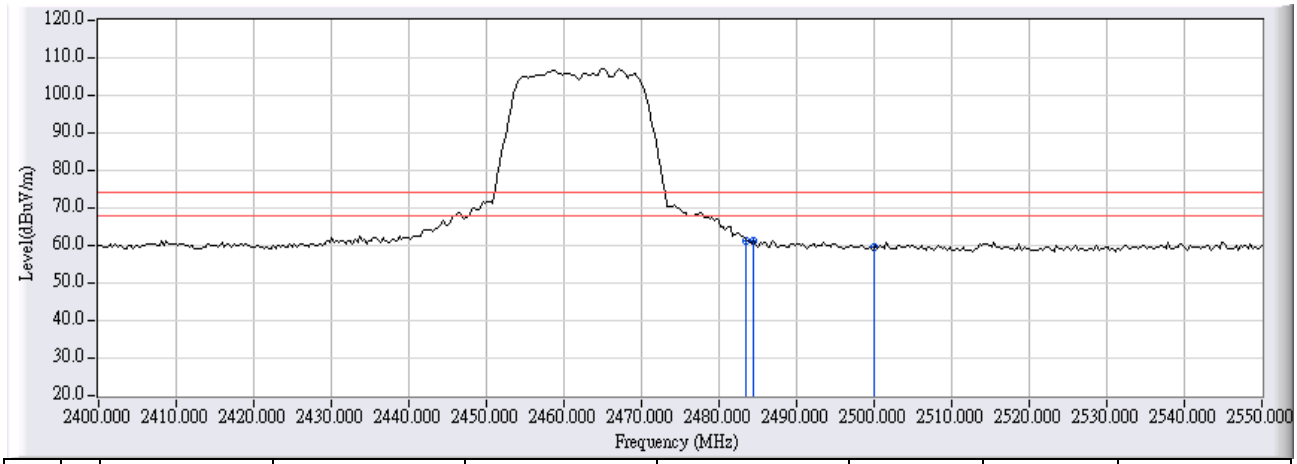


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2483.500	29.742	16.808	46.550	-7.450	54.000	AVERAGE
2		2491.383	29.777	16.848	46.625	-7.375	54.000	AVERAGE
3	*	2500.000	29.819	16.950	46.769	-7.231	54.000	AVERAGE

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 : 2009/03/25 - 17:52**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : Site 1_FCC_1-18G(2009-01) - VERTICAL	**Power : AC 120V / 60Hz**
EUT : Wireless N 150 Home Router	**Note : TX-802.11g-2462**

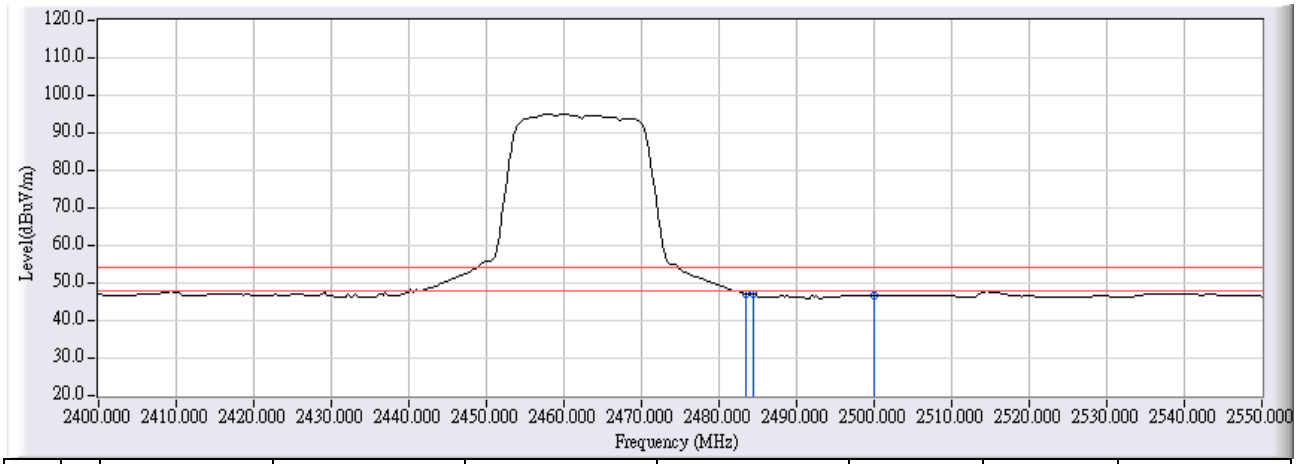


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2483.500	28.620	32.711	61.331	-12.669	74.000	PEAK
2	*	2484.469	28.614	32.792	61.406	-12.594	74.000	PEAK
3		2500.000	28.556	31.074	59.629	-14.371	74.000	PEAK

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 : 2009/03/25 - 17:55**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : Site 1_FCC_1-18G(2009-01) - VERTICAL	**Power : AC 120V / 60Hz**
EUT : Wireless N 150 Home Router	**Note : TX-802.11g-2462**

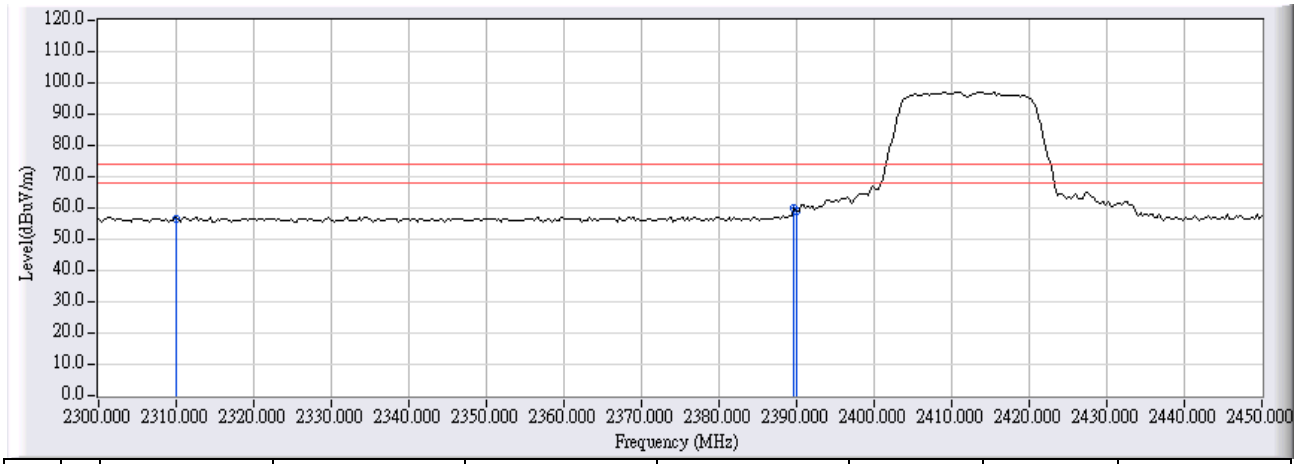


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	2483.500	28.620	18.524	47.144	-6.856	54.000	AVERAGE
2		2484.469	28.614	18.428	47.042	-6.958	54.000	AVERAGE
3		2500.000	28.556	18.147	46.702	-7.298	54.000	AVERAGE

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 : 2009/04/01 - 17:07**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : Site 1_FCC_1-18G(2009-01) - HORIZONTAL	**Power : AC 120V / 60Hz**
EUT : Wireless N 150 Home Router	**Note : Bandedge-802.11n_20MHz_2412**

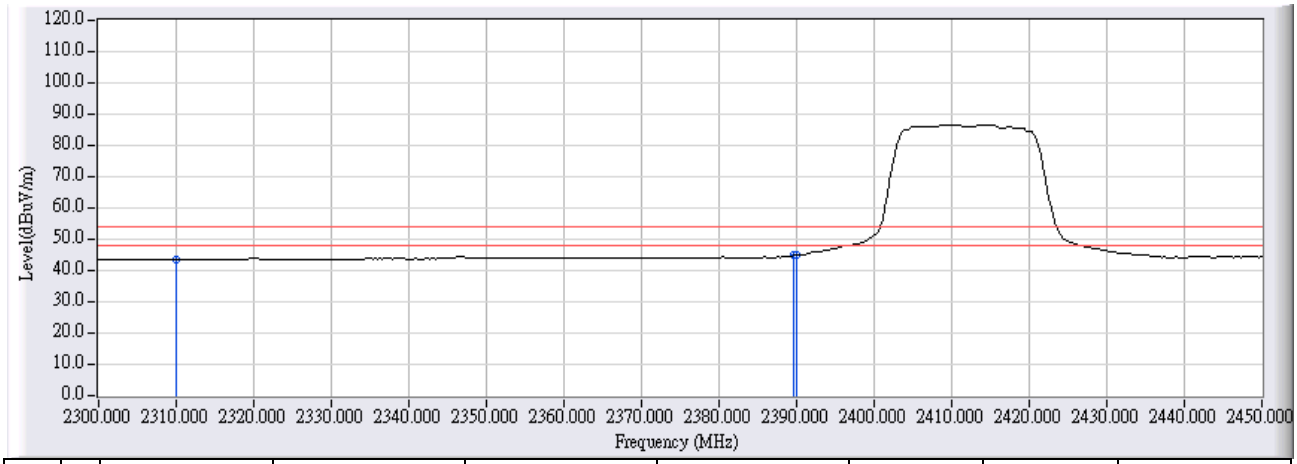


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	31.658	25.080	56.737	-17.263	74.000	PEAK
2	*	2389.700	32.034	27.813	59.847	-14.153	74.000	PEAK
3		2390.000	32.036	26.929	58.965	-15.035	74.000	PEAK

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 : 2009/04/01 - 17:12**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : Site 1_FCC_1-18G(2009-01) - HORIZONTAL	**Power : AC 120V / 60Hz**
EUT : Wireless N 150 Home Router	**Note : Bandedge-802.11n_20MHz_2412**

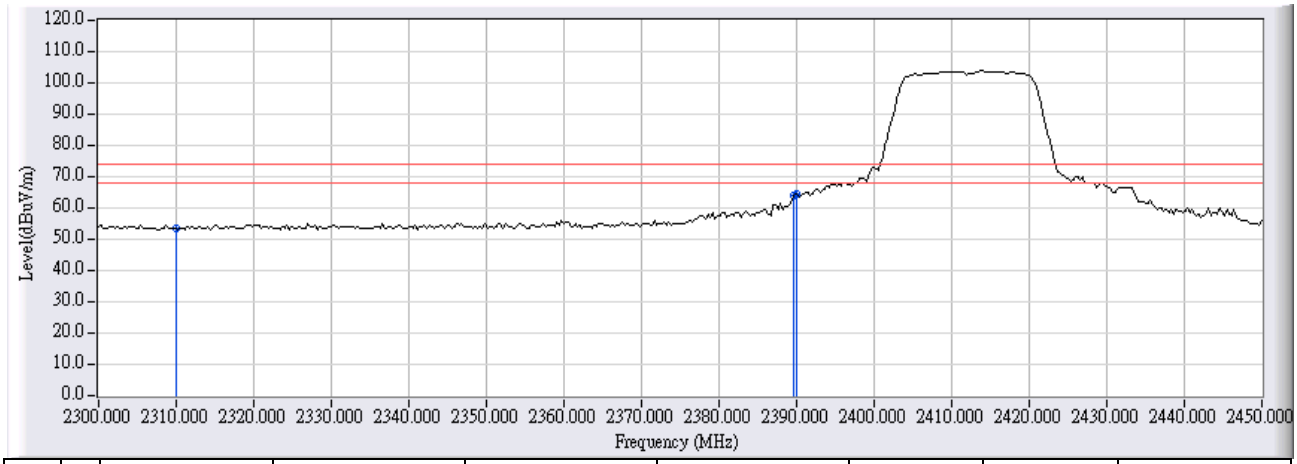


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	31.658	11.983	43.640	-10.360	54.000	AVERAGE
2	*	2389.700	32.034	12.964	44.998	-9.002	54.000	AVERAGE
3		2390.000	32.036	12.886	44.922	-9.078	54.000	AVERAGE

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 : 2009/04/01 - 17:18**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : Site 1_FCC_1-18G(2009-01) - VERTICAL	**Power : AC 120V / 60Hz**
EUT : Wireless N 150 Home Router	**Note : Bandedge-802.11n_20MHz_2412**

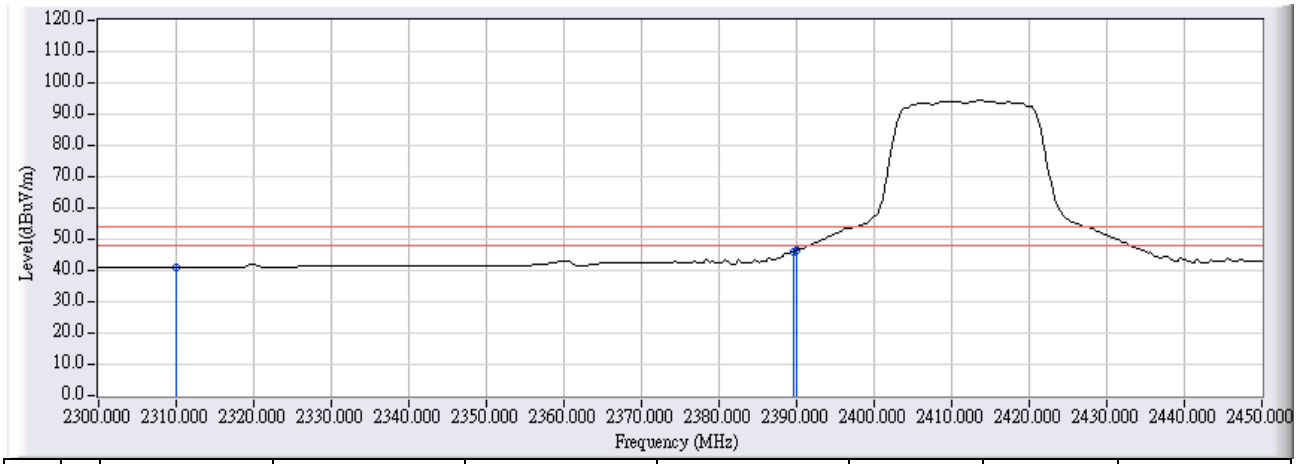


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	28.738	24.706	53.443	-20.557	74.000	PEAK
2		2389.700	28.470	35.323	63.794	-10.206	74.000	PEAK
3	*	2390.000	28.470	35.984	64.454	-9.546	74.000	PEAK

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 : 2009/04/01 - 17:19**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : Site 1_FCC_1-18G(2009-01) - VERTICAL	**Power : AC 120V / 60Hz**
EUT : Wireless N 150 Home Router	**Note : Bandedge-802.11n_20MHz_2412**

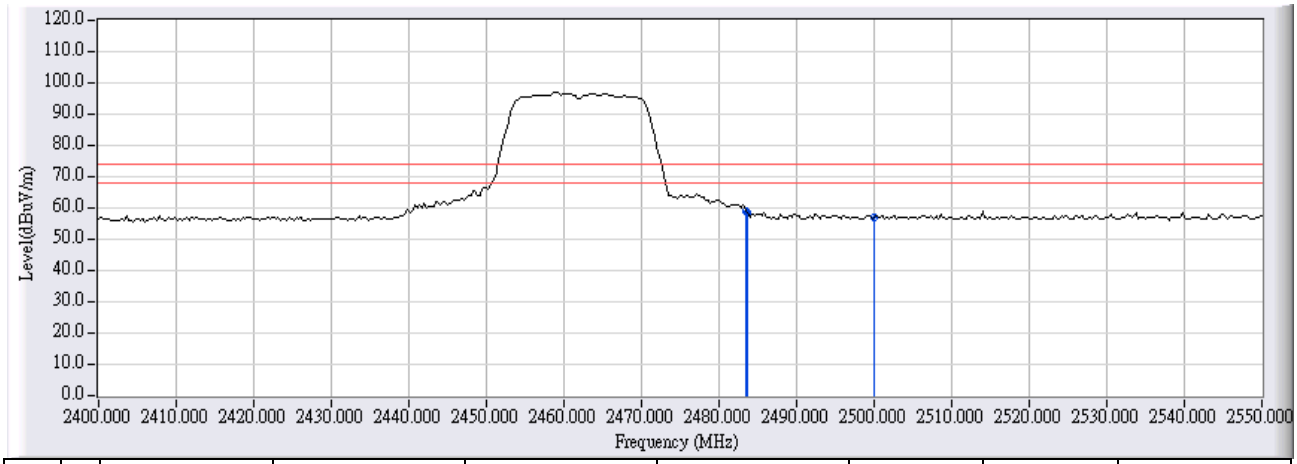


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	28.738	12.307	41.044	-12.956	54.000	AVERAGE
2		2389.700	28.470	17.701	46.172	-7.828	54.000	AVERAGE
3	*	2390.000	28.470	18.012	46.482	-7.518	54.000	AVERAGE

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 : 2009/04/01 - 17:22**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : Site 1_FCC_1-18G(2009-01) - HORIZONTAL	**Power : AC 120V / 60Hz**
EUT : Wireless N 150 Home Router	**Note : Bandedge-802.11n_20MHz_2462**

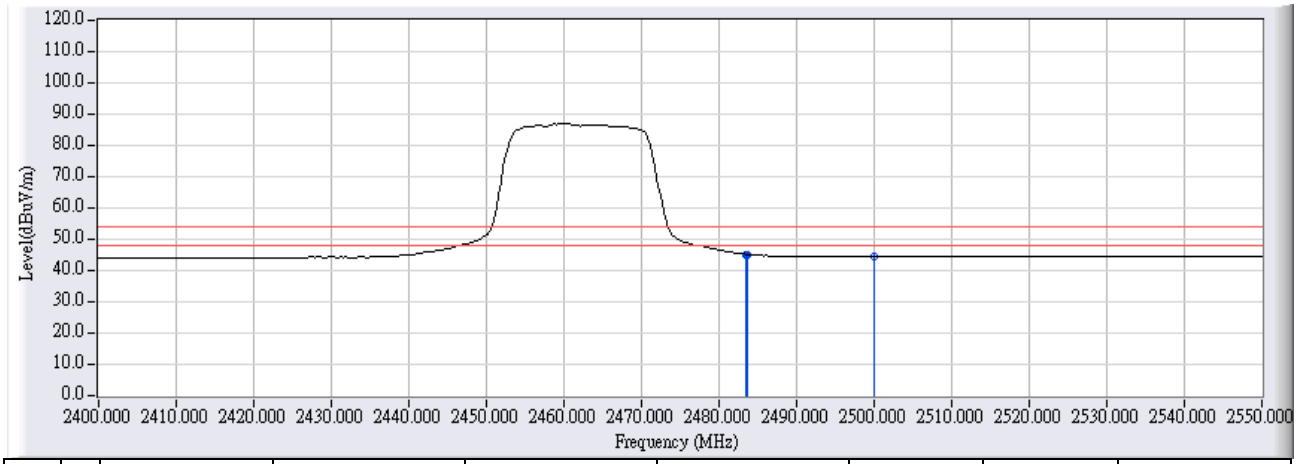


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	2483.500	32.480	26.630	59.110	-14.890	74.000	PEAK
2		2483.700	32.481	25.920	58.401	-15.599	74.000	PEAK
3		2500.000	32.557	24.305	56.863	-17.137	74.000	PEAK

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 : 2009/04/01 - 17:24**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : Site 1_FCC_1-18G(2009-01) - HORIZONTAL	**Power : AC 120V / 60Hz**
EUT : Wireless N 150 Home Router	**Note : Bandedge-802.11n_20MHz_2462**

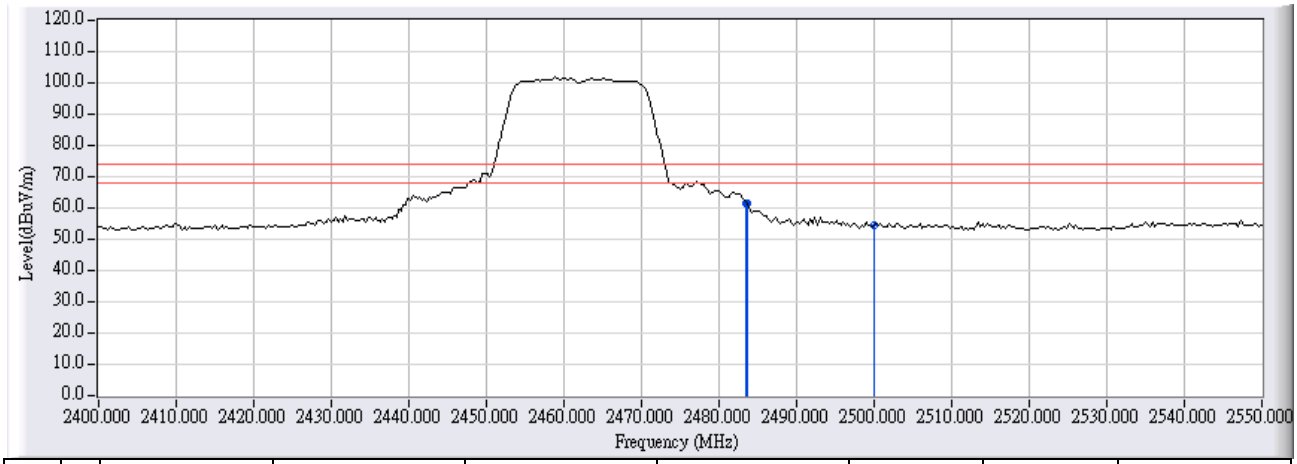


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	2483.500	32.480	12.698	45.178	-8.822	54.000	AVERAGE
2		2483.700	32.481	12.649	45.130	-8.870	54.000	AVERAGE
3		2500.000	32.557	12.074	44.632	-9.368	54.000	AVERAGE

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 : 2009/04/01 - 17:29**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : Site 1_FCC_1-18G(2009-01) - VERTICAL	**Power : AC 120V / 60Hz**
EUT : Wireless N 150 Home Router	**Note : Bandedge-802.11n_20MHz_2462**

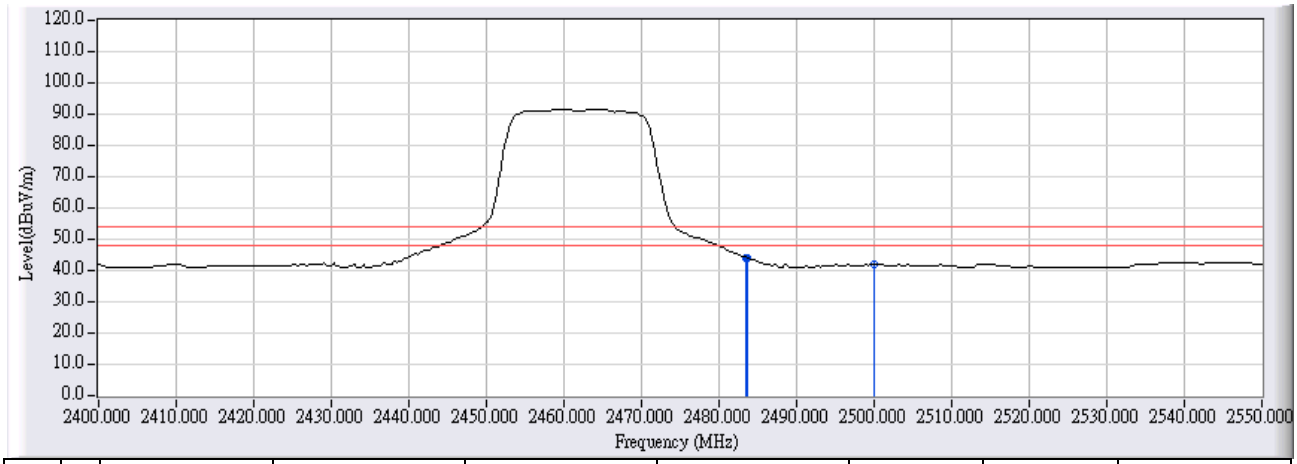


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	2483.500	28.156	33.503	61.658	-12.342	74.000	PEAK
2		2483.700	28.155	33.183	61.338	-12.662	74.000	PEAK
3		2500.000	28.142	26.289	54.431	-19.569	74.000	PEAK

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 : 2009/04/01 - 17:31**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : Site 1_FCC_1-18G(2009-01) - VERTICAL	**Power : AC 120V / 60Hz**
EUT : Wireless N 150 Home Router	**Note : Bandedge-802.11n_20MHz_2462**

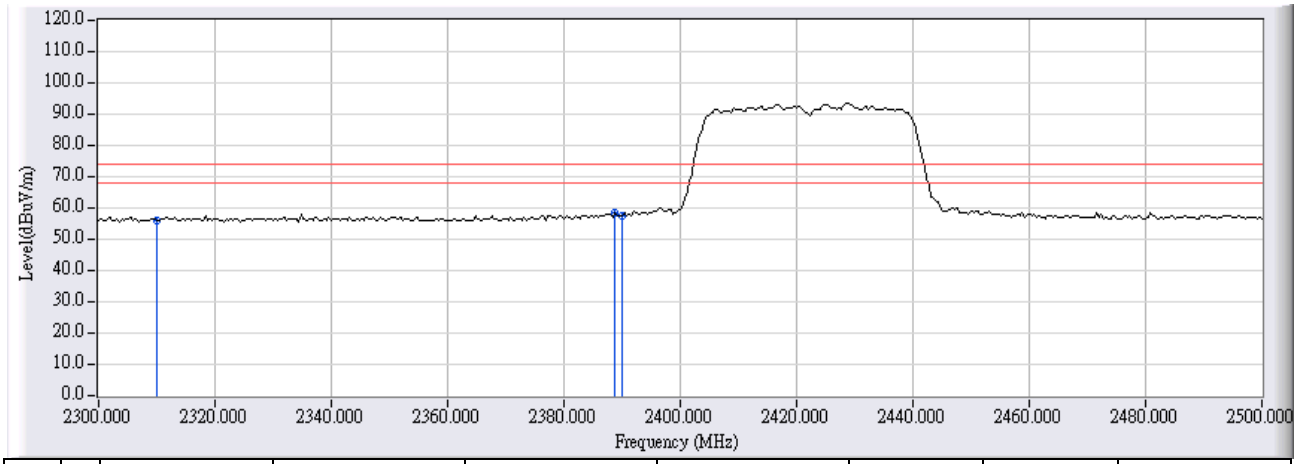


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	2483.500	28.156	16.084	44.239	-9.761	54.000	AVERAGE
2		2483.700	28.155	15.757	43.912	-10.088	54.000	AVERAGE
3		2500.000	28.142	13.715	41.857	-12.143	54.000	AVERAGE

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 : 2009/04/01 - 17:36**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : Site 1_FCC_1-18G(2009-01) - HORIZONTAL	**Power : AC 120V / 60Hz**
EUT : Wireless N 150 Home Router	**Note : Bandedge-802.11n_40MHz_2422**

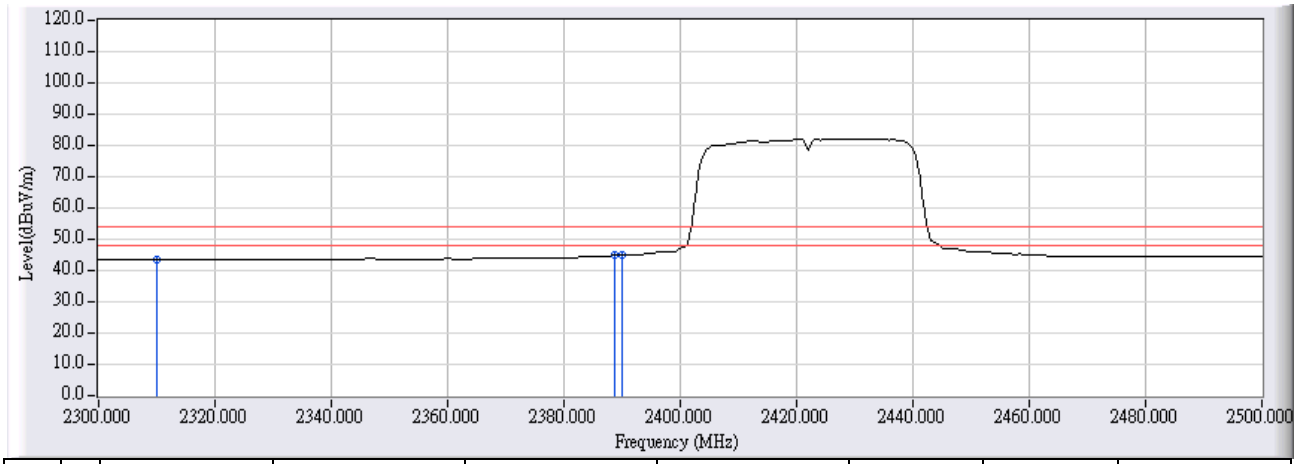


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	31.658	24.551	56.208	-17.792	74.000	PEAK
2	*	2388.800	32.030	26.395	58.425	-15.575	74.000	PEAK
3		2390.000	32.036	25.333	57.369	-16.631	74.000	PEAK

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 : 2009/04/01 - 17:42**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : Site 1_FCC_1-18G(2009-01) - HORIZONTAL	**Power : AC 120V / 60Hz**
EUT : Wireless N 150 Home Router	**Note : Bandedge-802.11n_40MHz_2422**

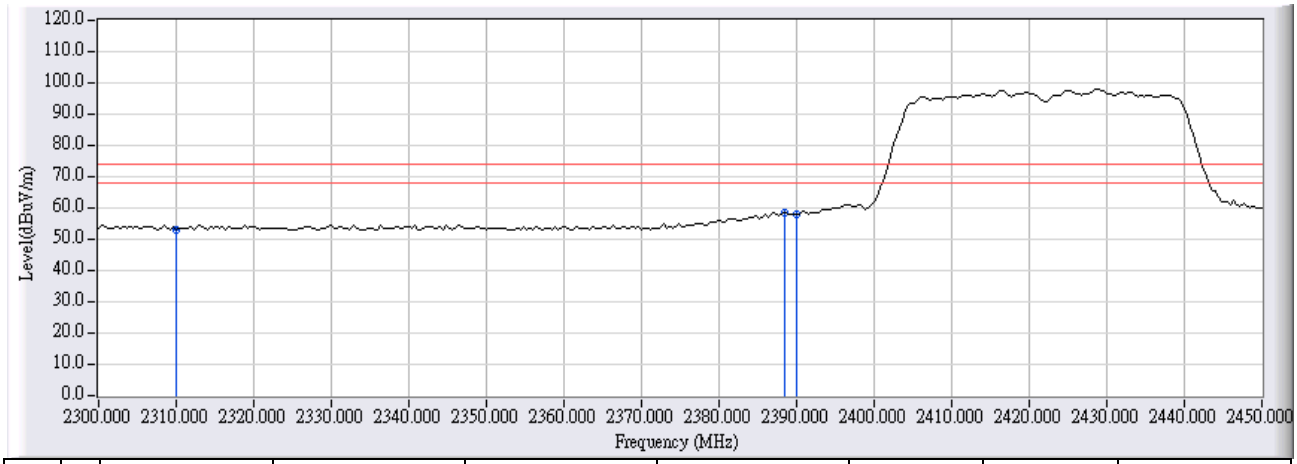


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	31.658	11.972	43.629	-10.371	54.000	AVERAGE
2		2388.800	32.030	12.758	44.788	-9.212	54.000	AVERAGE
3	*	2390.000	32.036	12.854	44.890	-9.110	54.000	AVERAGE

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 : 2009/04/01 - 17:46**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : Site 1_FCC_1-18G(2009-01) - VERTICAL	**Power : AC 120V / 60Hz**
EUT : Wireless N 150 Home Router	**Note : Bandedge-802.11n_40MHz_2422**

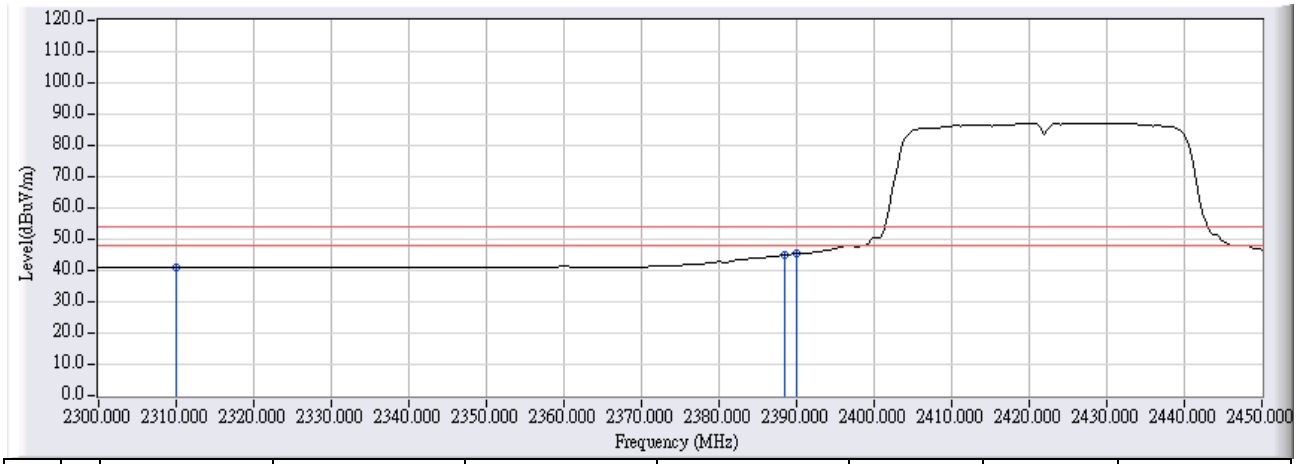


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	28.738	24.299	53.036	-20.964	74.000	PEAK
2	*	2388.400	28.475	30.082	58.557	-15.443	74.000	PEAK
3		2390.000	28.470	29.303	57.773	-16.227	74.000	PEAK

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 : 2009/04/01 - 17:49**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : Site 1_FCC_1-18G(2009-01) - VERTICAL	**Power : AC 120V / 60Hz**
EUT : Wireless N 150 Home Router	**Note : Bandedge-802.11n_40MHz_2422**

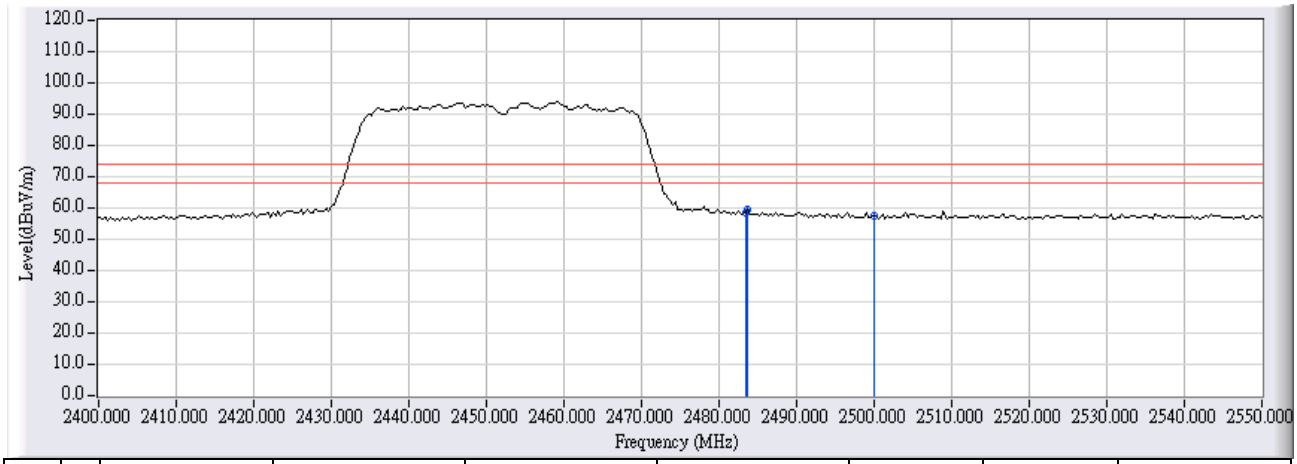


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	28.738	12.236	40.973	-13.027	54.000	AVERAGE
2		2388.400	28.475	16.495	44.970	-9.030	54.000	AVERAGE
3	*	2390.000	28.470	16.925	45.395	-8.605	54.000	AVERAGE

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 : 2009/04/01 - 17:54**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : Site 1_FCC_1-18G(2009-01) - HORIZONTAL	**Power : AC 120V / 60Hz**
EUT : Wireless N 150 Home Router	**Note : Bandedge-802.11n_40MHz_2452**

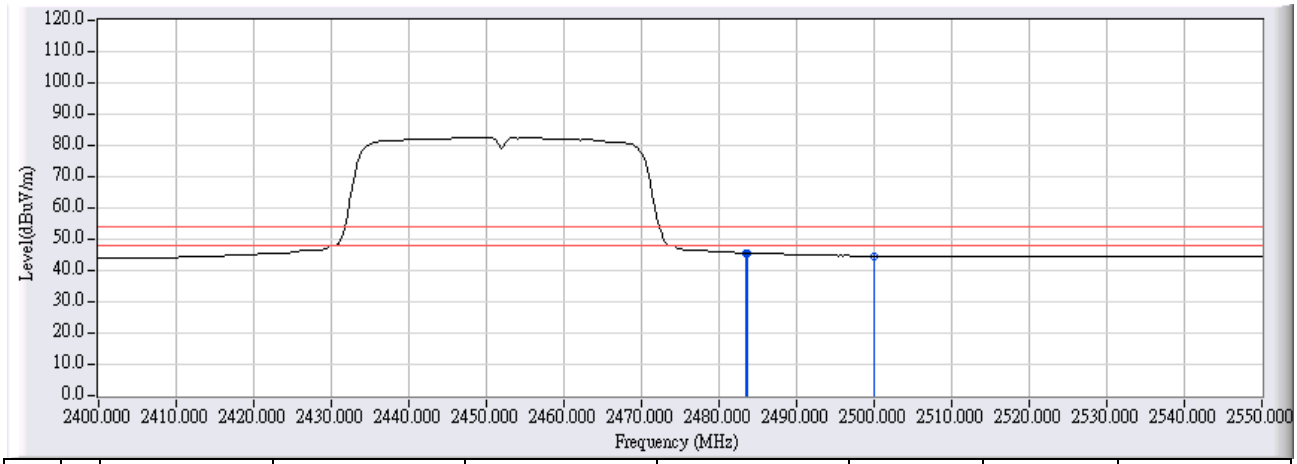


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2483.500	32.480	26.160	58.640	-15.360	74.000	PEAK
2	*	2483.700	32.481	26.929	59.410	-14.590	74.000	PEAK
3		2500.000	32.557	24.897	57.455	-16.545	74.000	PEAK

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 : 2009/04/01 - 17:55**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : Site 1_FCC_1-18G(2009-01) - HORIZONTAL	**Power : AC 120V / 60Hz**
EUT : Wireless N 150 Home Router	**Note : Bandedge-802.11n_40MHz_2452**

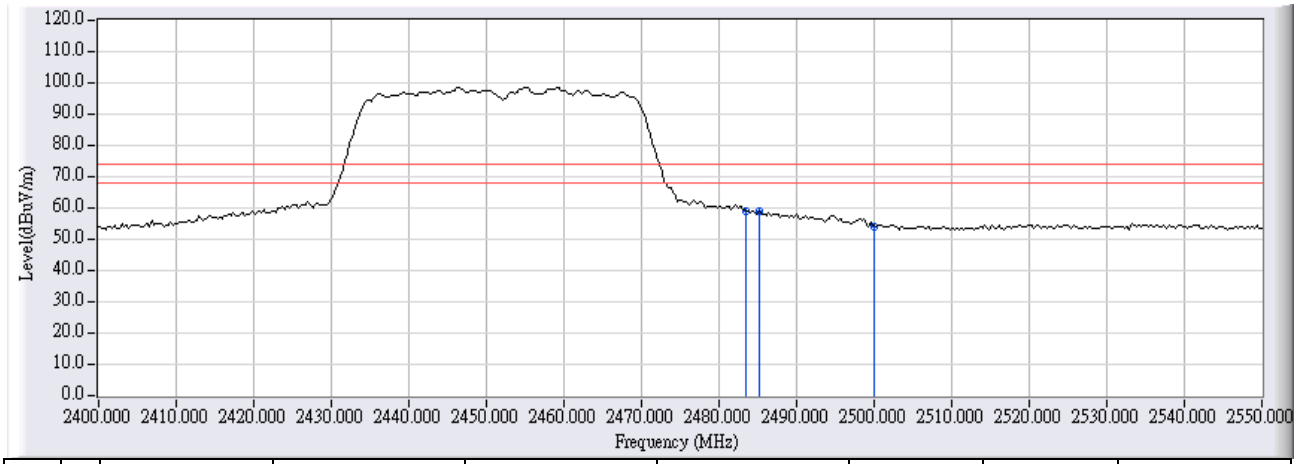


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	2483.500	32.480	13.153	45.633	-8.367	54.000	AVERAGE
2		2483.700	32.481	13.141	45.622	-8.378	54.000	AVERAGE
3		2500.000	32.557	12.037	44.595	-9.405	54.000	AVERAGE

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 : 2009/04/01 - 17:59**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : Site 1_FCC_1-18G(2009-01) - VERTICAL	**Power : AC 120V / 60Hz**
EUT : Wireless N 150 Home Router	**Note : Bandedge-802.11n_40MHz_2452**

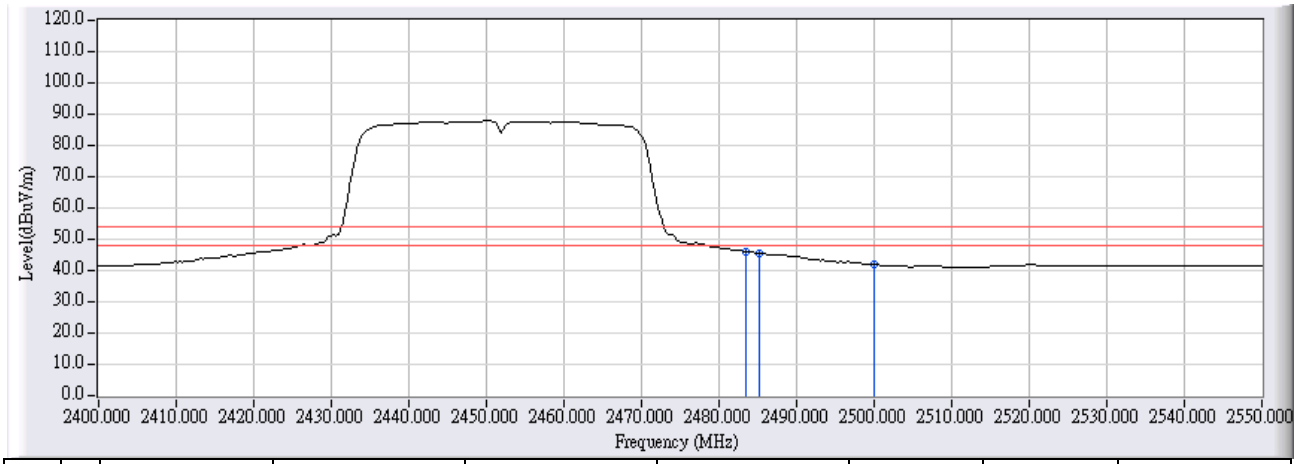


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2483.500	28.156	30.889	59.044	-14.956	74.000	PEAK
2	*	2485.200	28.149	30.913	59.062	-14.938	74.000	PEAK
3		2500.000	28.142	26.081	54.223	-19.777	74.000	PEAK

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 : 2009/04/01 - 18:01**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : Site 1_FCC_1-18G(2009-01) - VERTICAL	**Power : AC 120V / 60Hz**
EUT : Wireless N 150 Home Router	**Note : Bandedge-802.11n_40MHz_2452**



		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	2483.500	28.156	17.998	46.153	-7.847	54.000	AVERAGE
2		2485.200	28.149	17.312	45.461	-8.539	54.000	AVERAGE
3		2500.000	28.142	13.717	41.859	-12.141	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

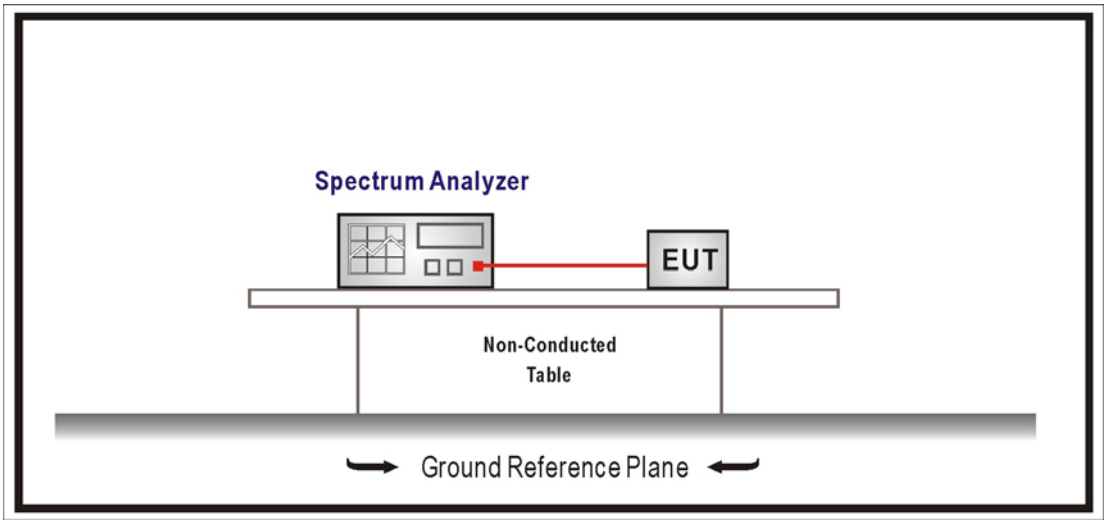
7.1. Test Equipment

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	Mar., 2009
2	No.1 OATS			Sep., 2008

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

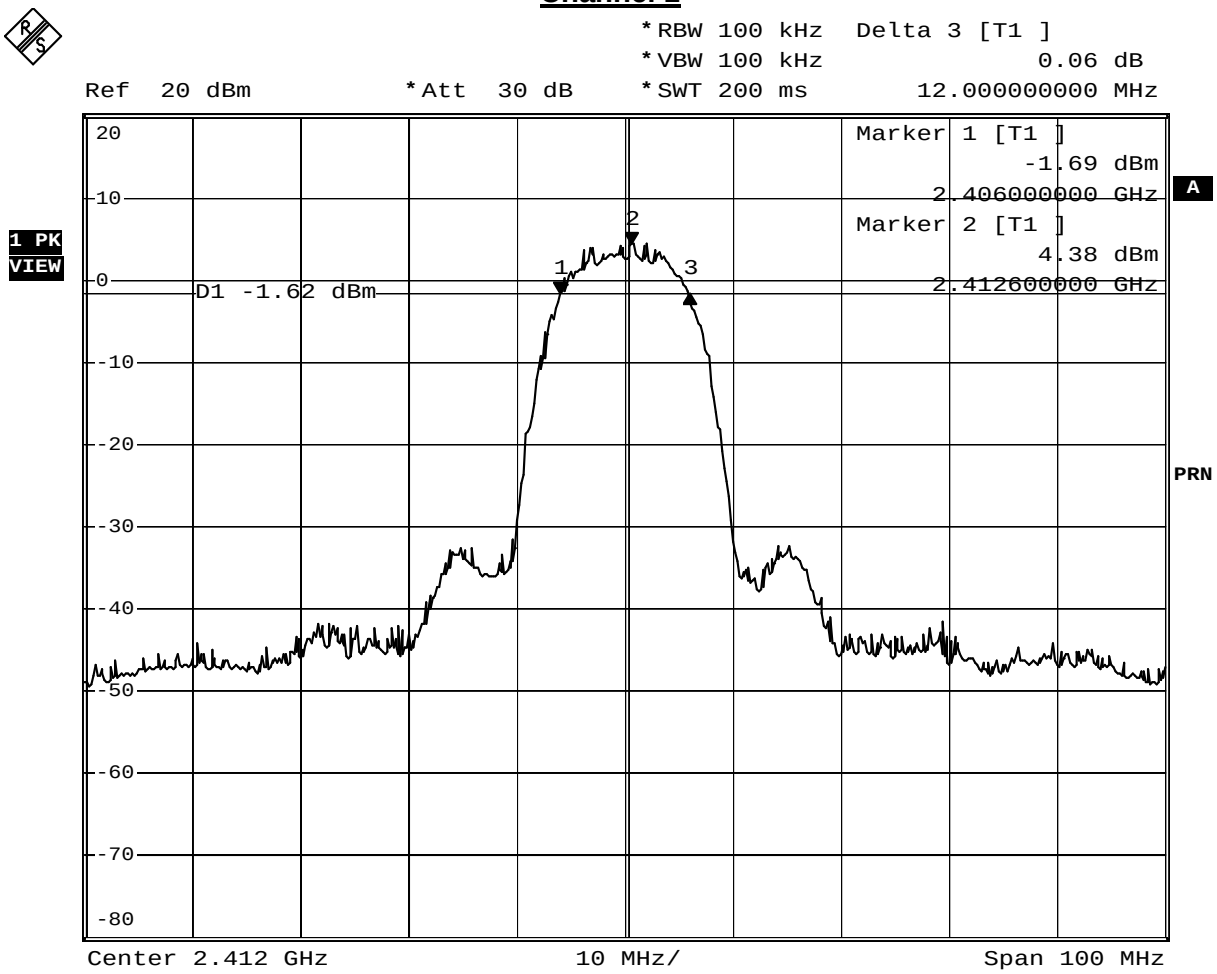
The measurement uncertainty is defined as ±150Hz

7.6. Test Result

Product	Wireless N 150 Home Router		
Test Item	Occupied Bandwidth		
Test Mode	Transmit		
Date of Test	2009/03/27	Test Site	No.1 OATS

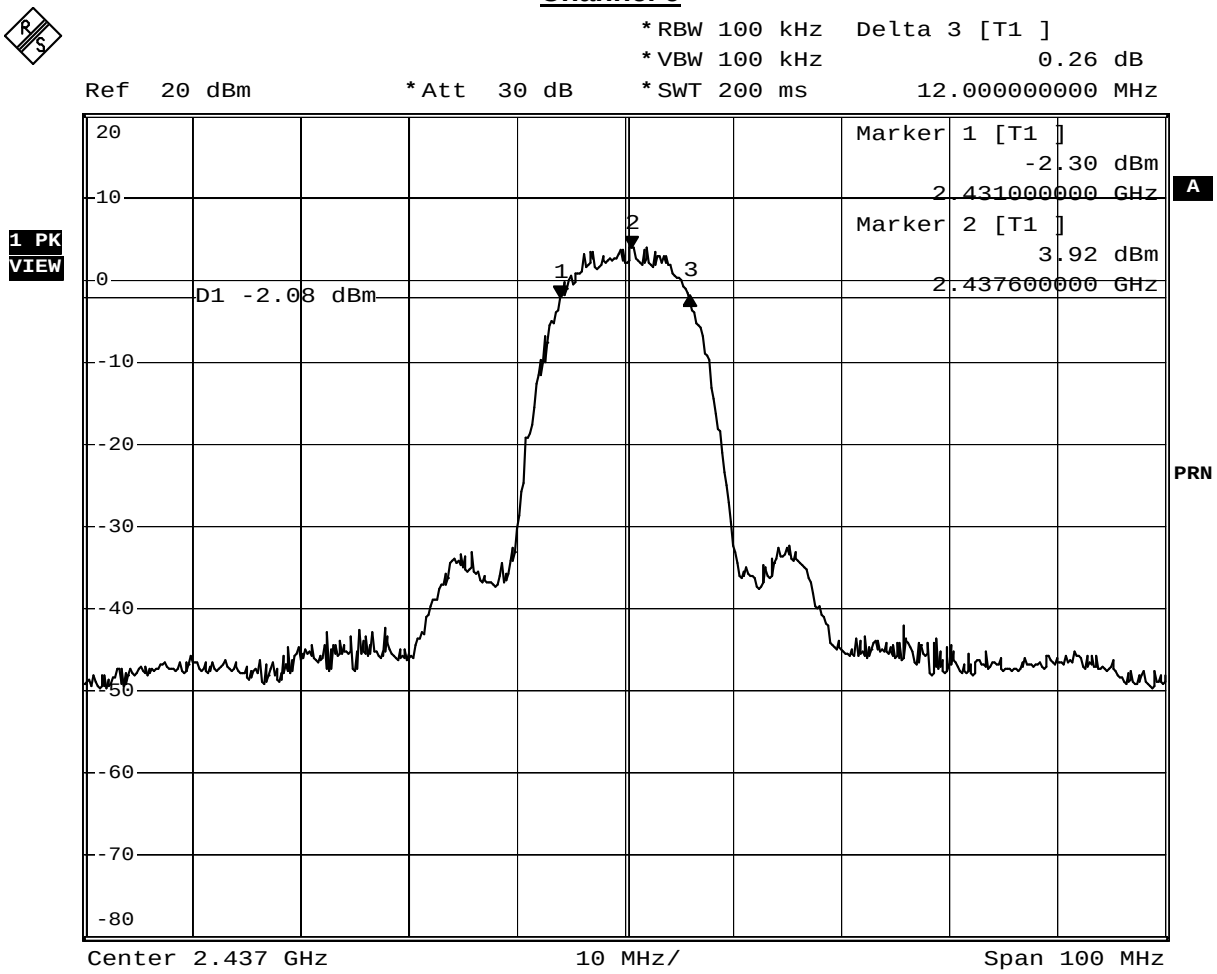
802.11 b				
Channel No.	Frequency (MHz)	Measurement Level (kHz)	Required Limit (kHz)	Result
1	2412.00	12000	≧500	Pass
6	2437.00	12000	≧500	Pass
11	2462.00	12000	≧500	Pass

Channel 1



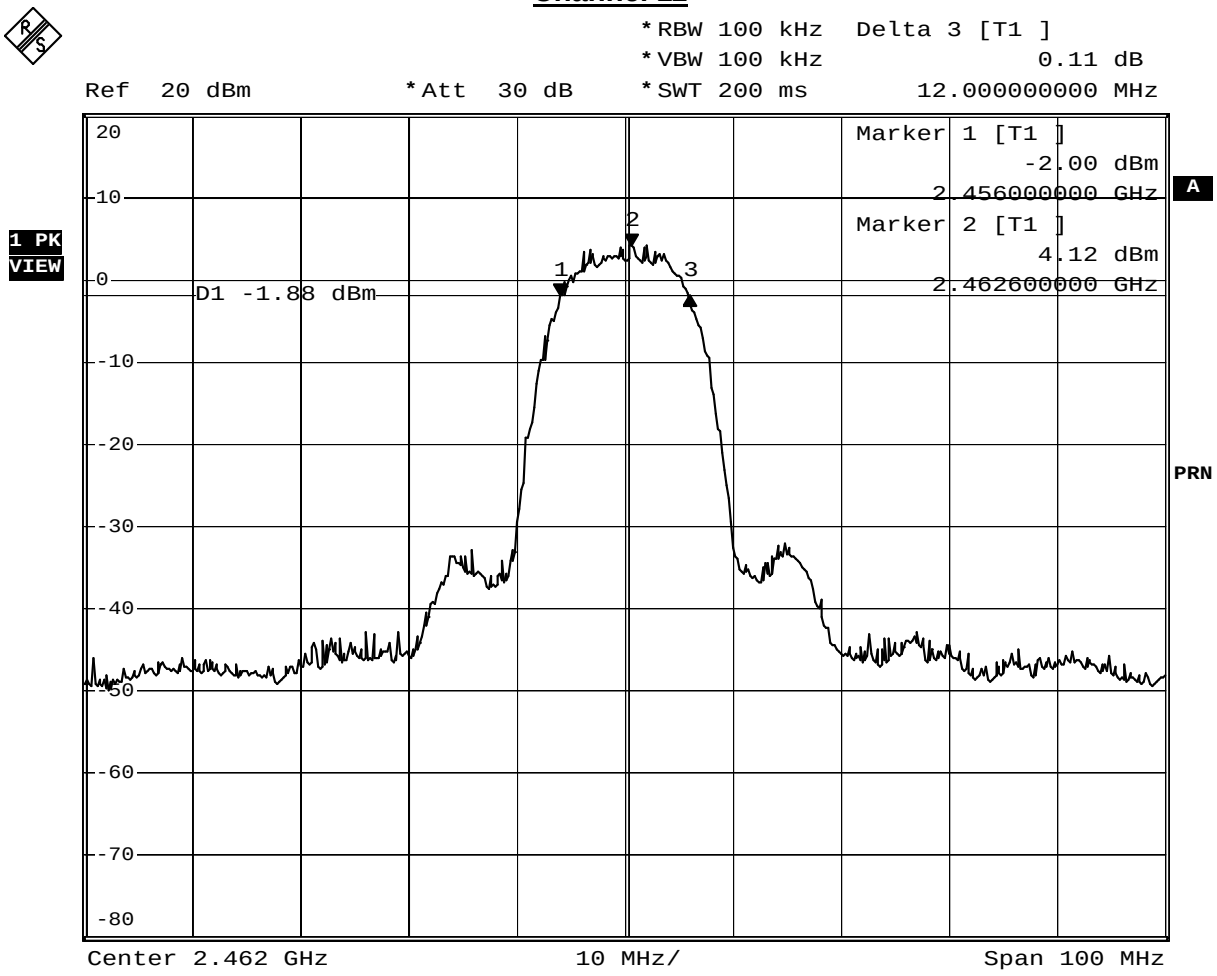
Date: 27.MAR.2009 09:54:16

Channel 6



Date: 27.MAR.2009 10:08:21

Channel 11

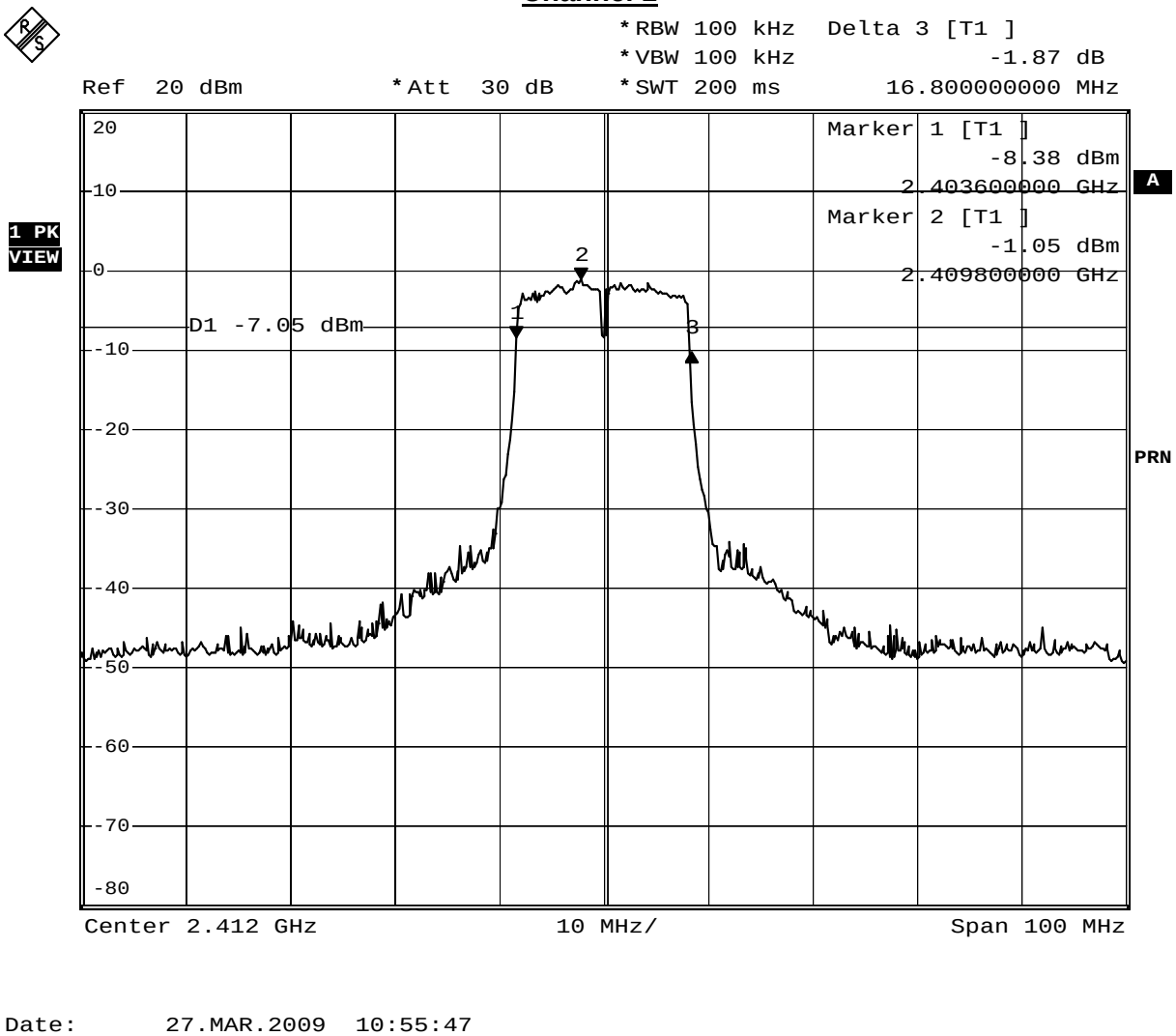


Date: 27.MAR.2009 10:26:50

Product	Wireless N 150 Home Router		
Test Item	Occupied Bandwidth		
Test Mode	Transmit		
Date of Test	2009/03/27	Test Site	No.1 OATS

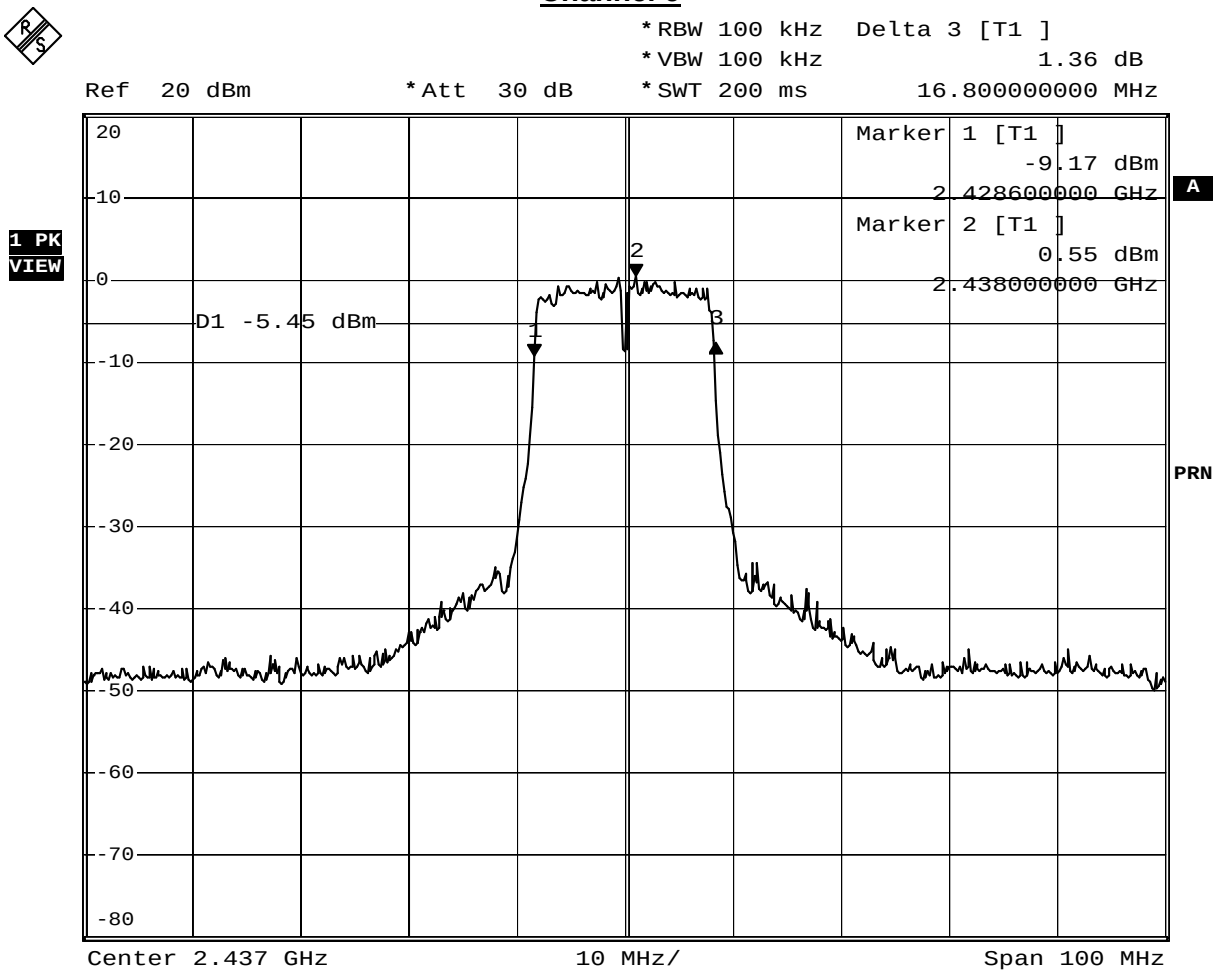
IEEE 802.11g				
Channel No.	Frequency (MHz)	Measurement Level (kHz)	Required Limit (kHz)	Result
1	2412.00	16800	≧500	Pass
6	2437.00	16800	≧500	Pass
11	2462.00	16800	≧500	Pass

Channel 1



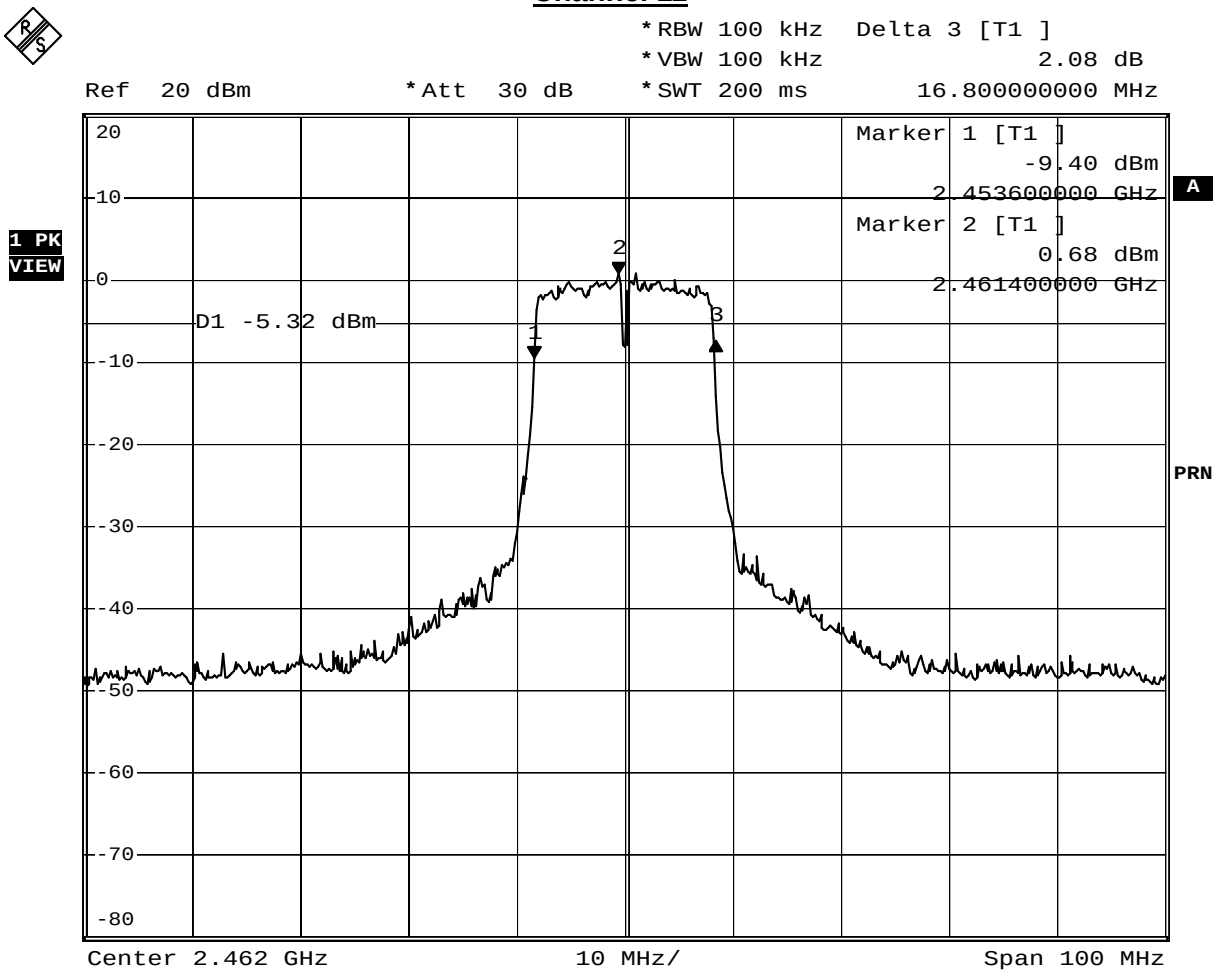
Date: 27.MAR.2009 10:55:47

Channel 6



Date: 27.MAR.2009 11:00:05

Channel 11

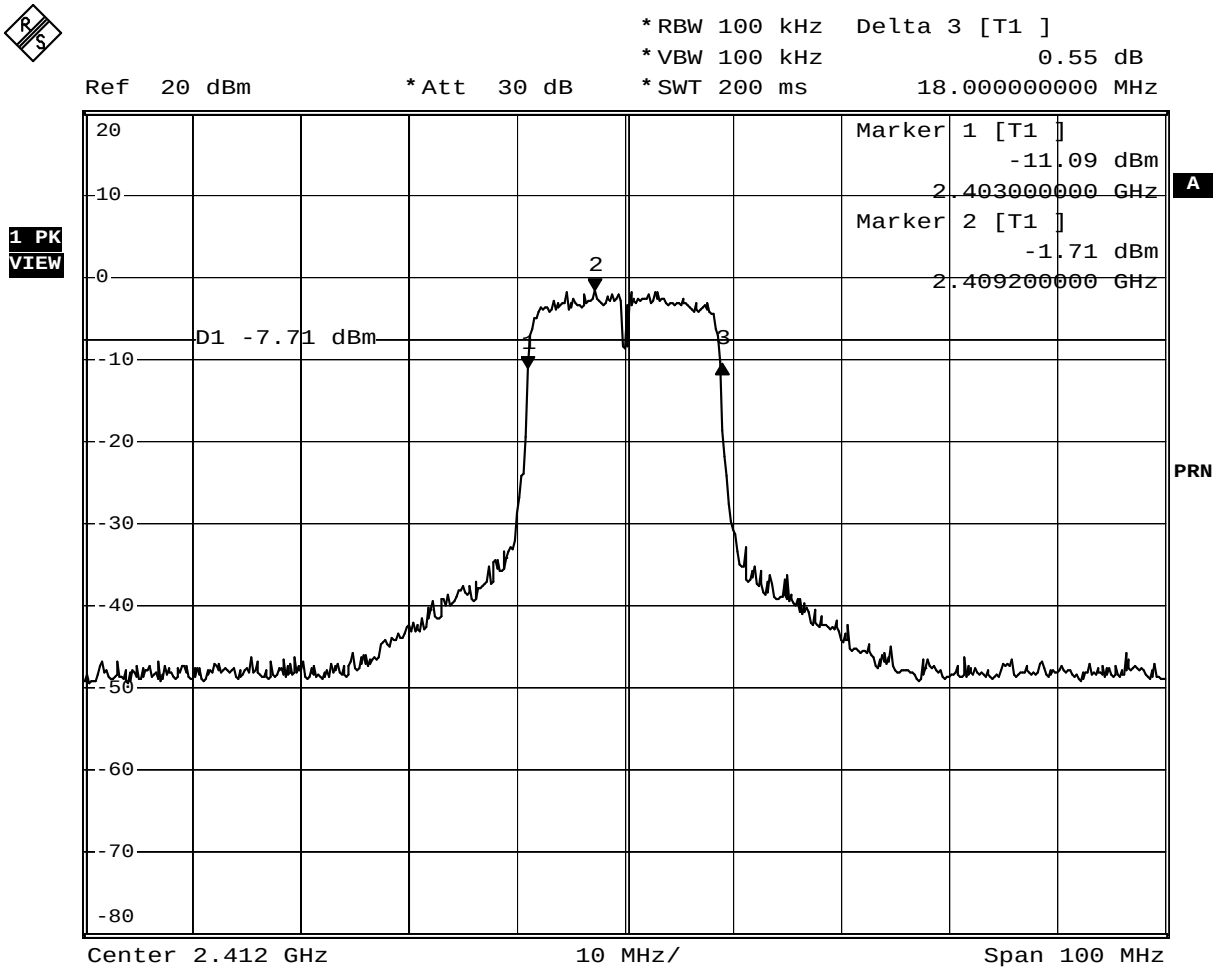


Date: 27.MAR.2009 11:11:42

Product	Wireless N 150 Home Router		
Test Item	Occupied Bandwidth		
Test Mode	Transmit		
Date of Test	2009/03/27	Test Site	No.1 OATS

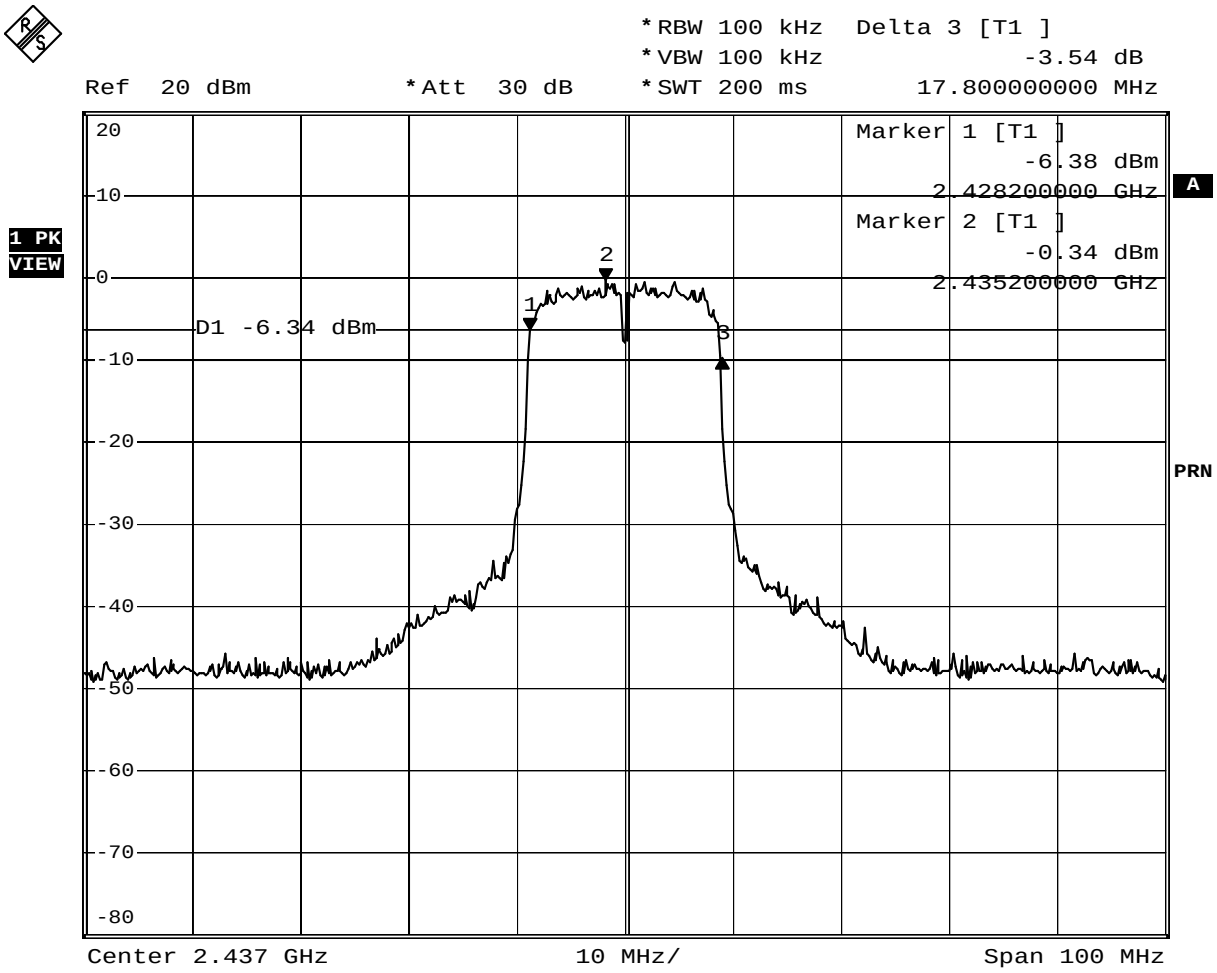
IEEE 802.11n (ANT A (20MHz))				
Channel No.	Frequency (MHz)	Measurement Level (kHz)	Required Limit (kHz)	Result
1	2412.00	18000	≧500	Pass
6	2437.00	17800	≧500	Pass
11	2462.00	18000	≧500	Pass

Channel 1



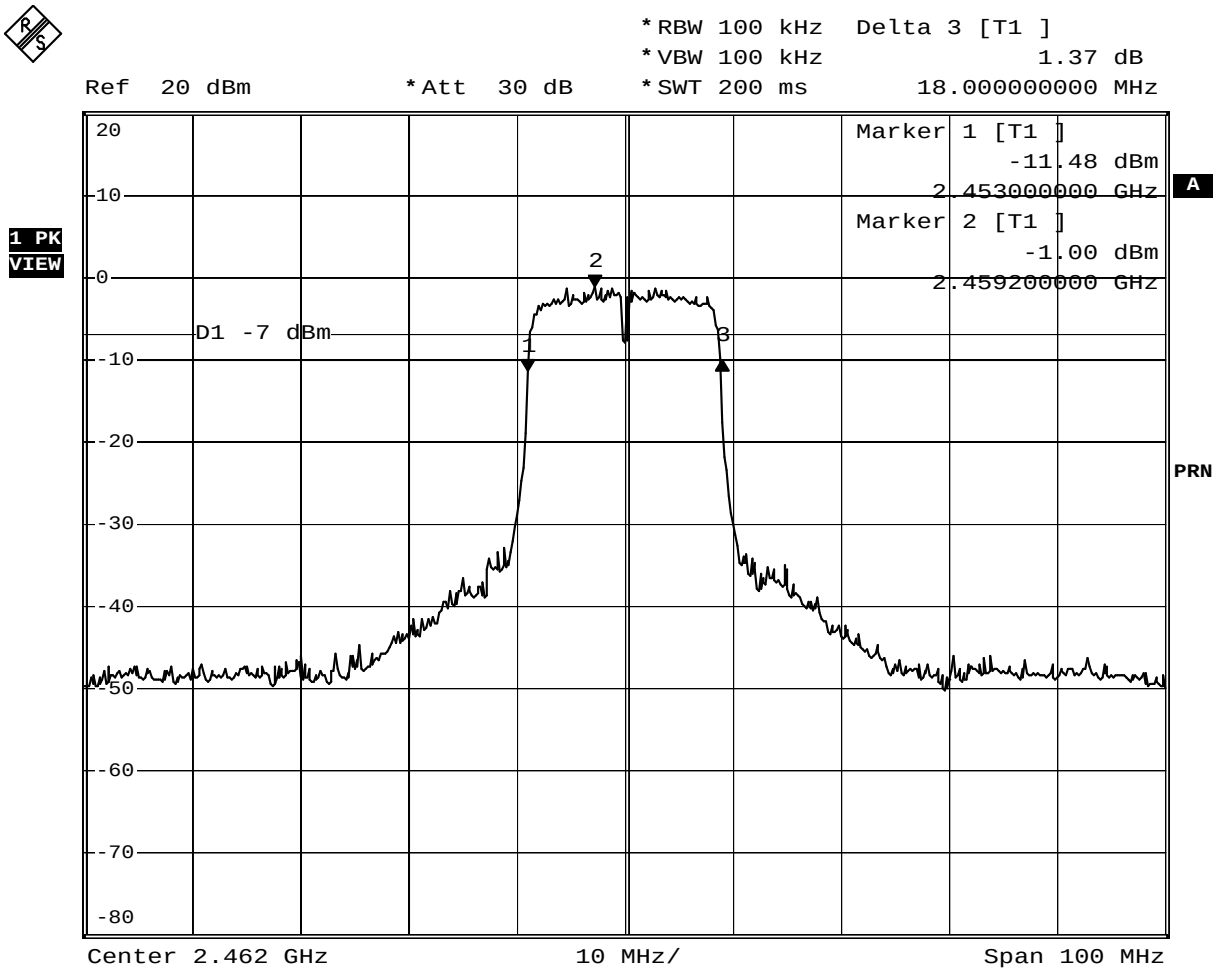
Date: 27.MAR.2009 11:48:41

Channel 6



Date: 27.MAR.2009 11:59:20

Channel 11

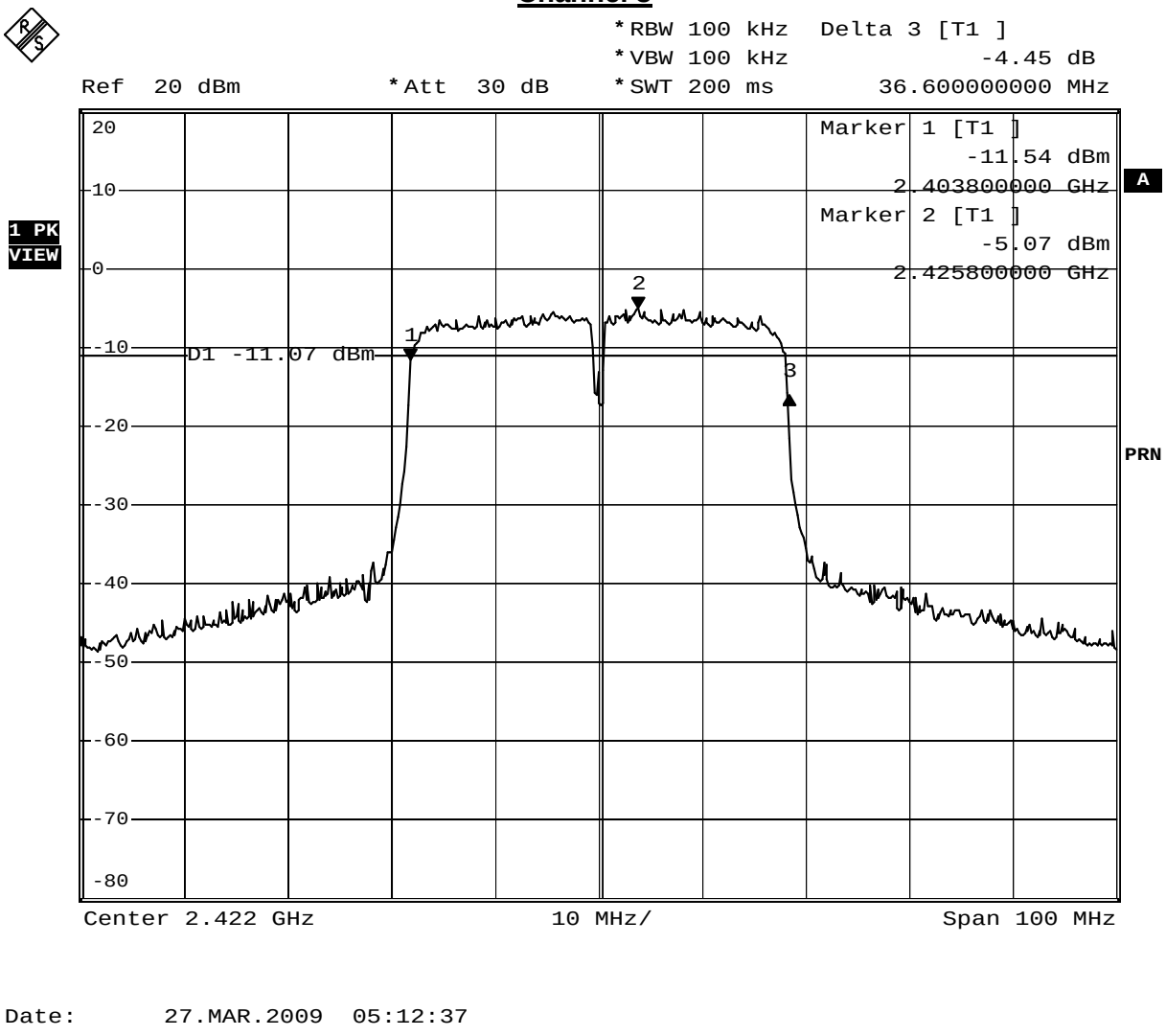


Date: 27.MAR.2009 13:18:22

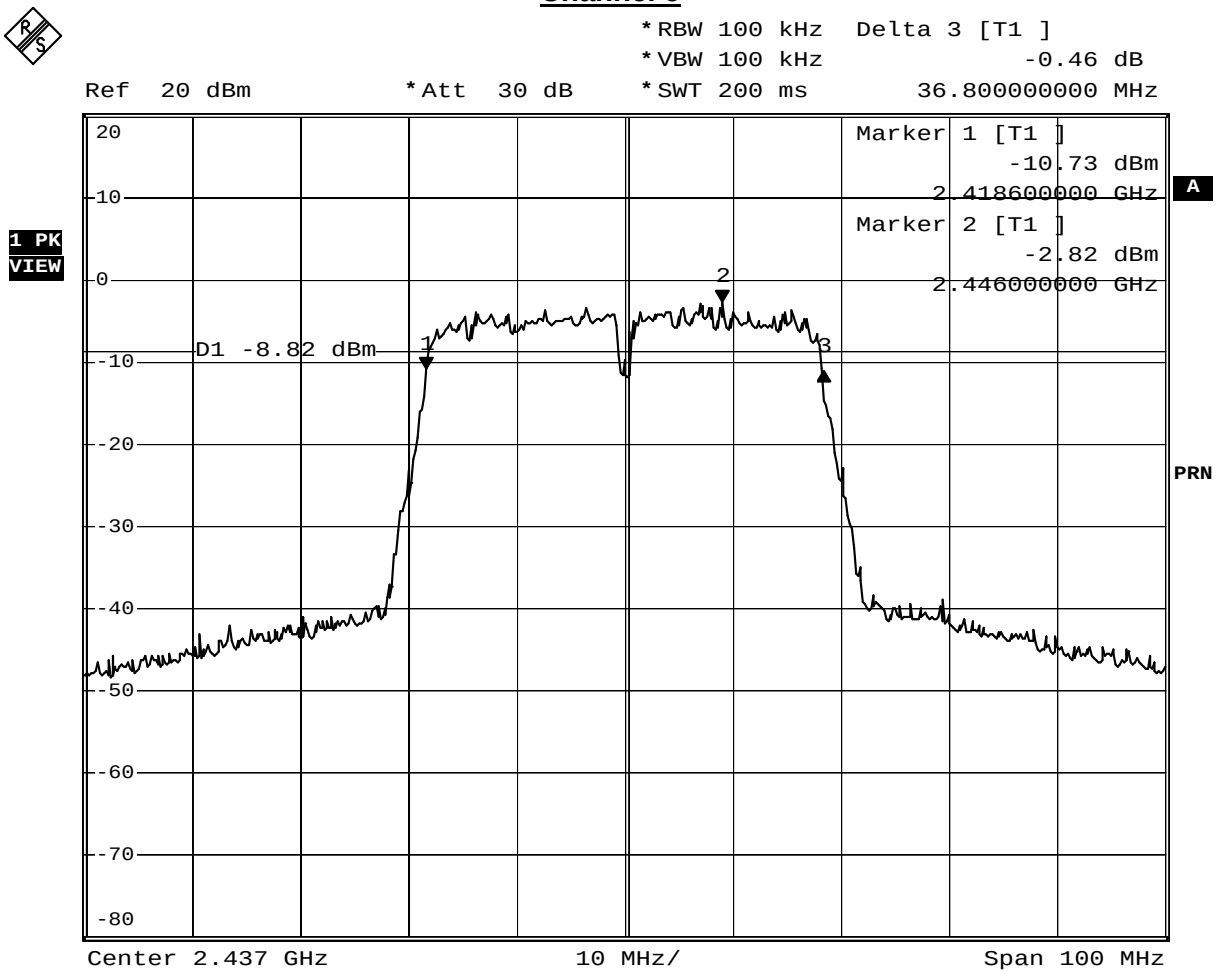
Product	Wireless N 150 Home Router		
Test Item	Occupied Bandwidth		
Test Mode	Transmit		
Date of Test	2009/03/27	Test Site	No.1 OATS

IEEE 802.11n (ANT A (40MHz))				
Channel No.	Frequency (MHz)	Measurement Level (kHz)	Required Limit (kHz)	Result
3	2422	36600	≧500	Pass
6	2437	36800	≧500	Pass
9	2452	36600	≧500	Pass

Channel 3

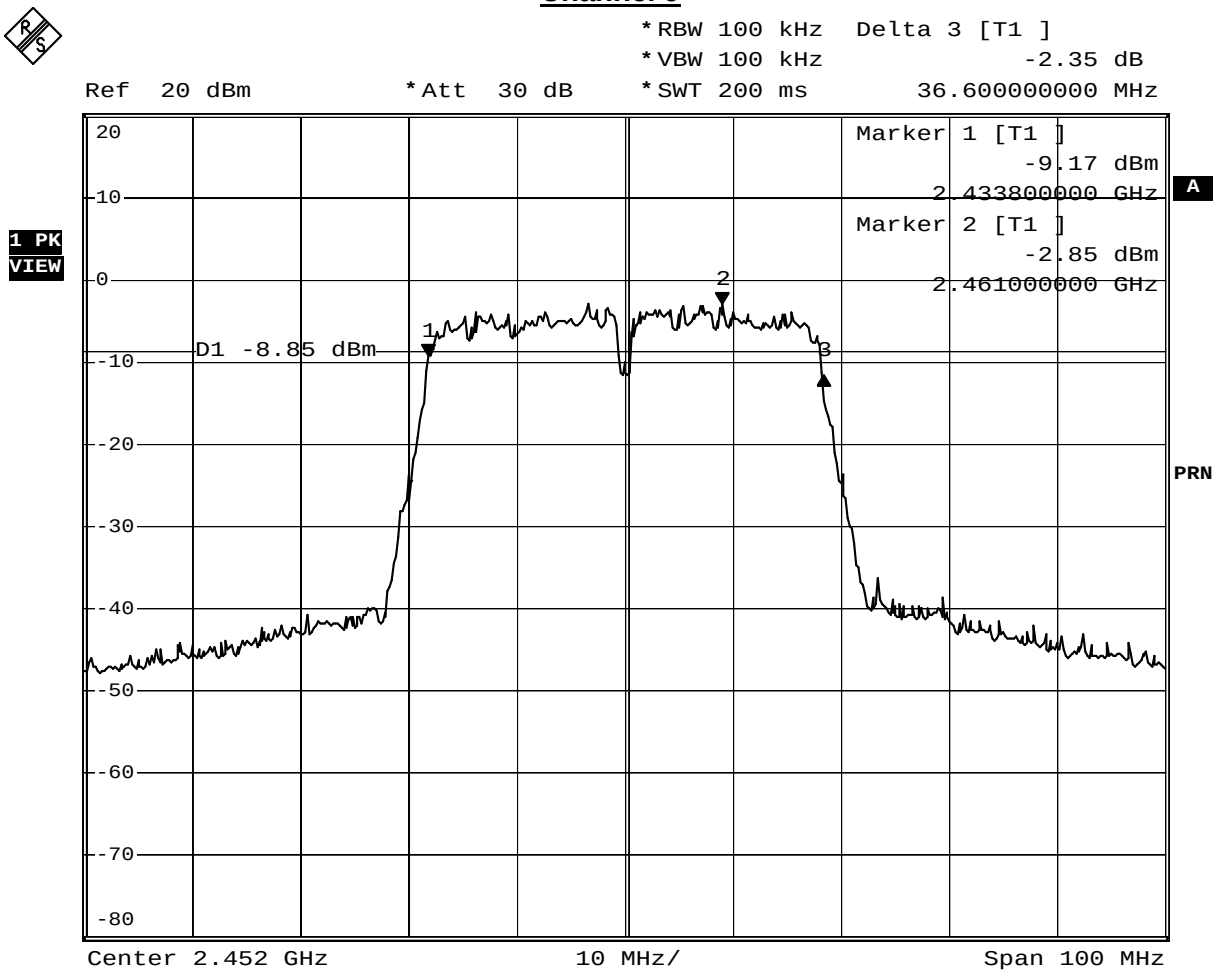


Channel 6



Date: 27.MAR.2009 05:14:12

Channel 9



Date: 27.MAR.2009 06:04:54

8. Power Density

8.1. Test Equipment

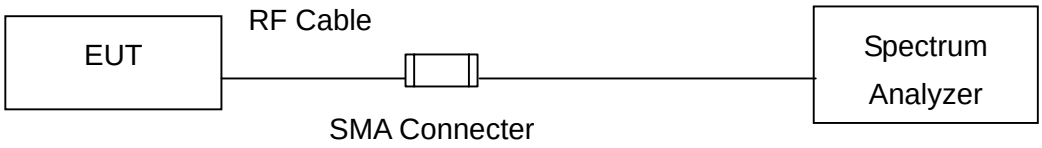
The following test equipment are used during the test:

Item	Equipment	Manufacturer	Model No. / Serial No.	Last Cal.
1	Spectrum Analyzer	R & S	FSP / 100561	Mar., 2009
2	No.1 OATS			Sep., 2008

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

8.2. Test Setup

IEEE 802.11 b / g / n (20M / 40M) MODE



8.3. Limits

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

8.4. Test Procedures

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

8.5. Uncertainty

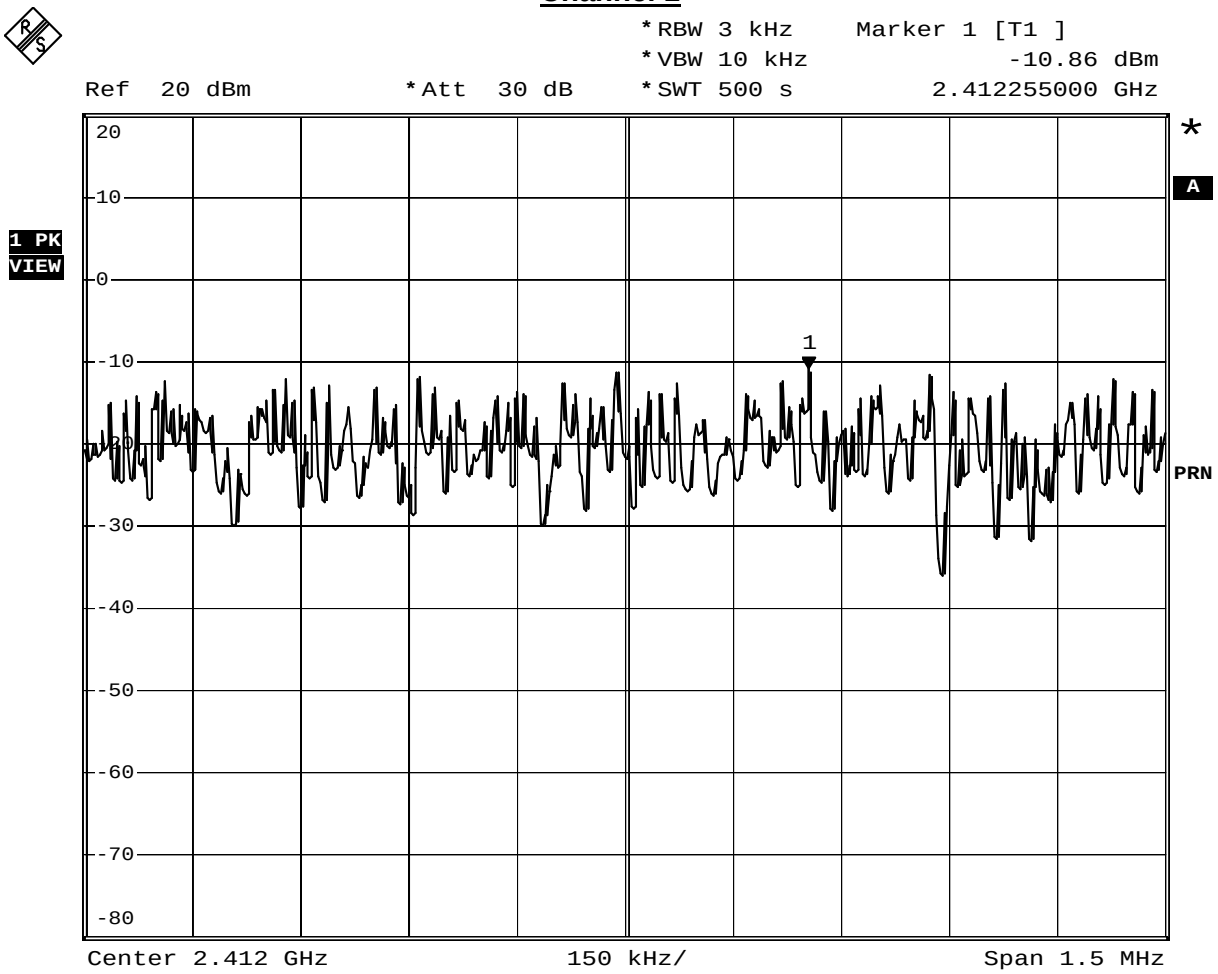
The measurement uncertainty is defined as ±1.27dB.

8.6. Test Result

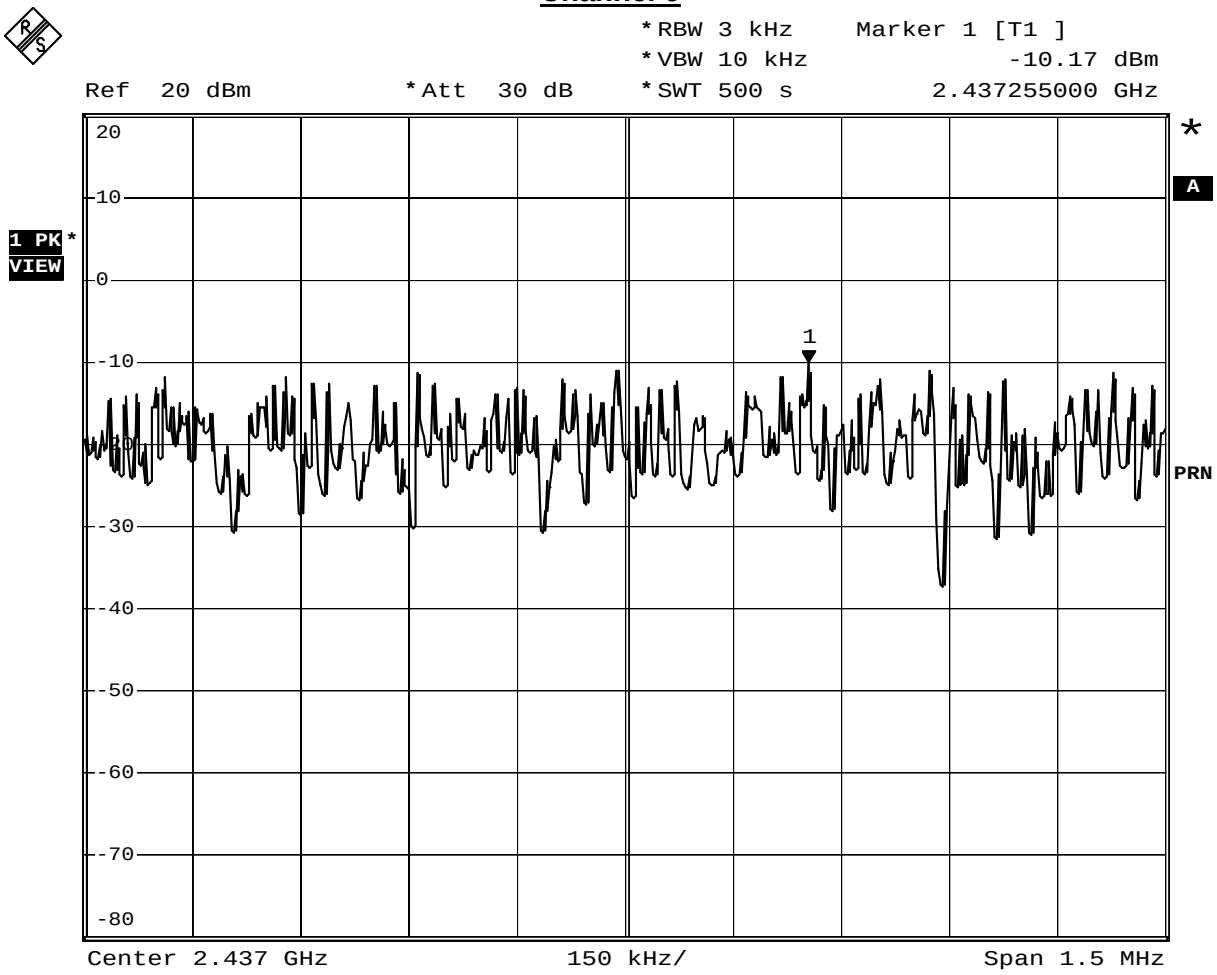
Product	Wireless N 150 Home Router		
Test Item	Power Density		
Test Mode	Transmit		
Date of Test	2009/03/27	Test Site	No.1 OATS

IEEE 802.11b				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
1	2412	-10.86	≦8	Pass
6	2437	-10.17	≦8	Pass
11	2462	-10.33	≦8	Pass

Channel 1

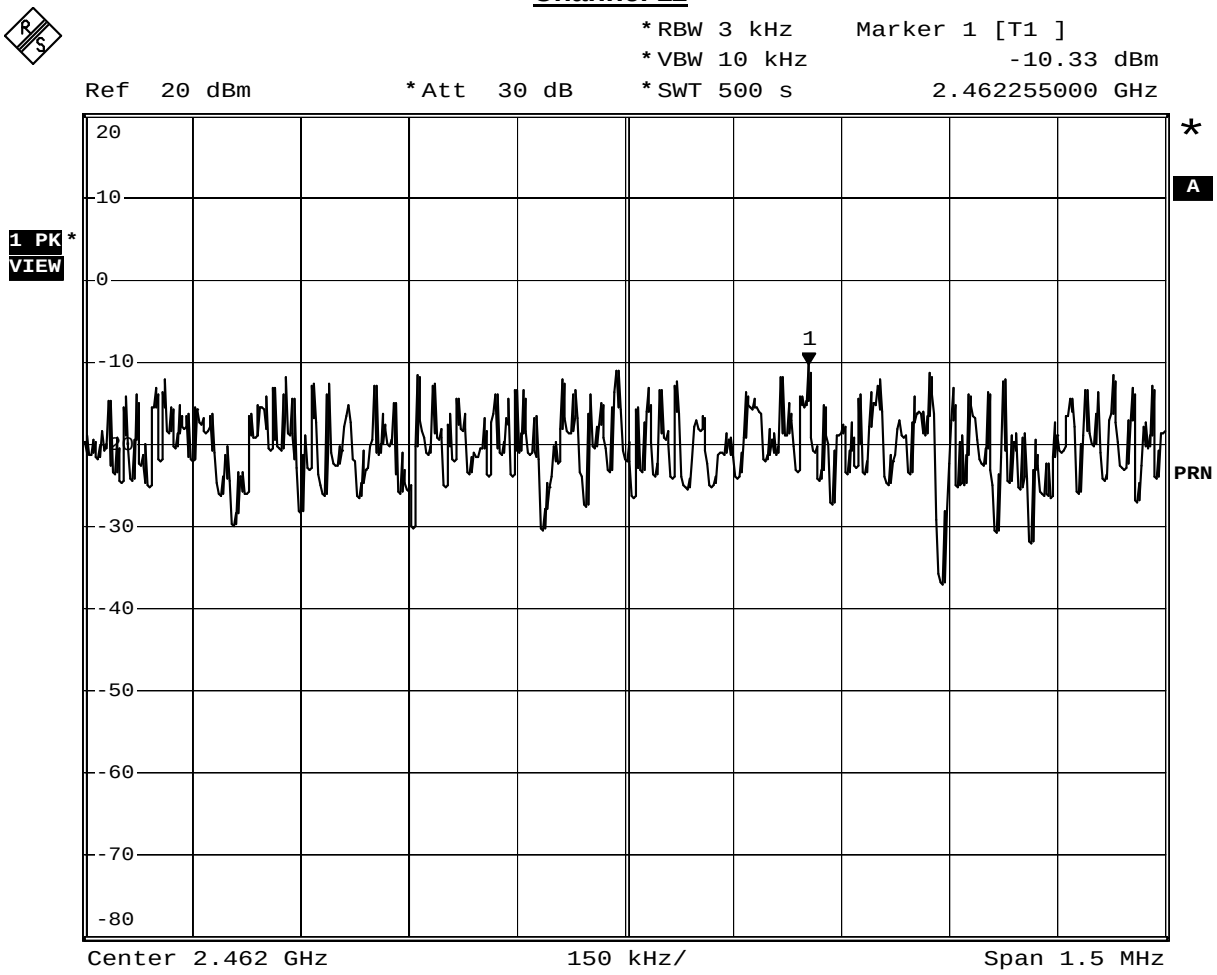


Channel 6



Date: 27.MAR.2009 04:59:40

Channel 11

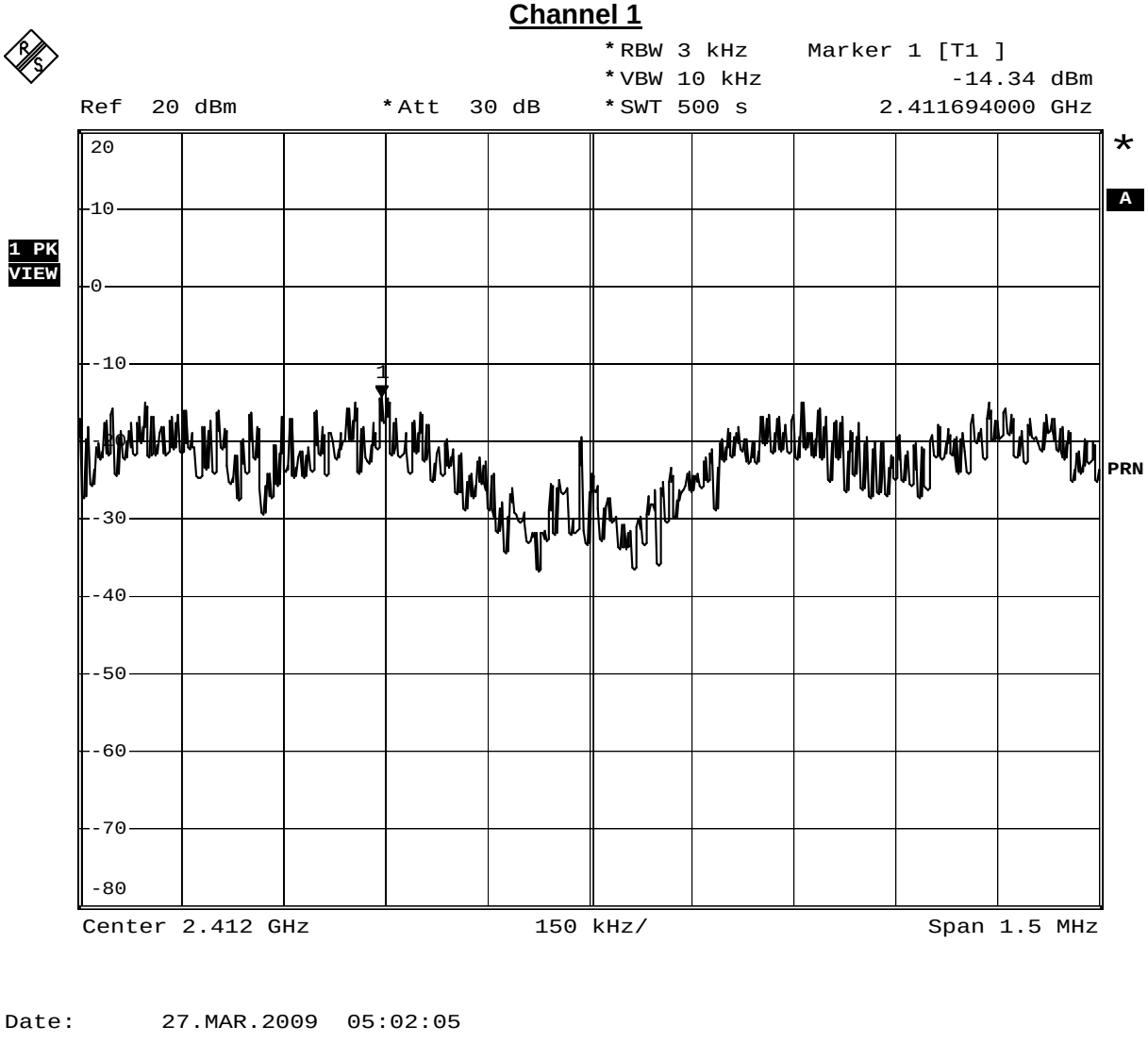


Date: 27.MAR.2009 04:17:50

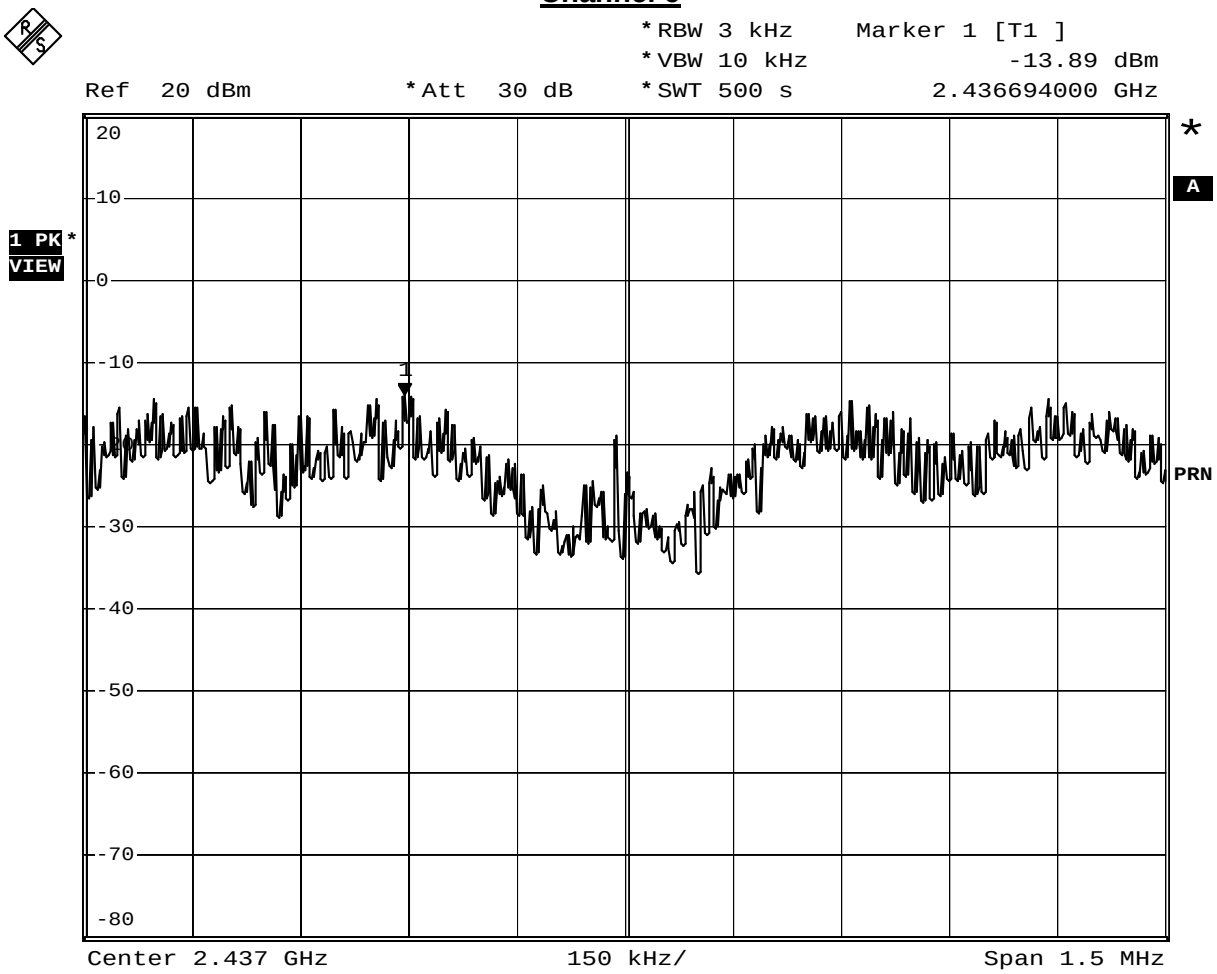
Product	Wireless N 150 Home Router		
Test Item	Power Density		
Test Mode	Transmit		
Date of Test	2009/03/27	Test Site	No.1 OATS

IEEE 802.11g				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
1	2412	-14.34	≦8	Pass
6	2437	-13.89	≦8	Pass
11	2462	-13.35	≦8	Pass

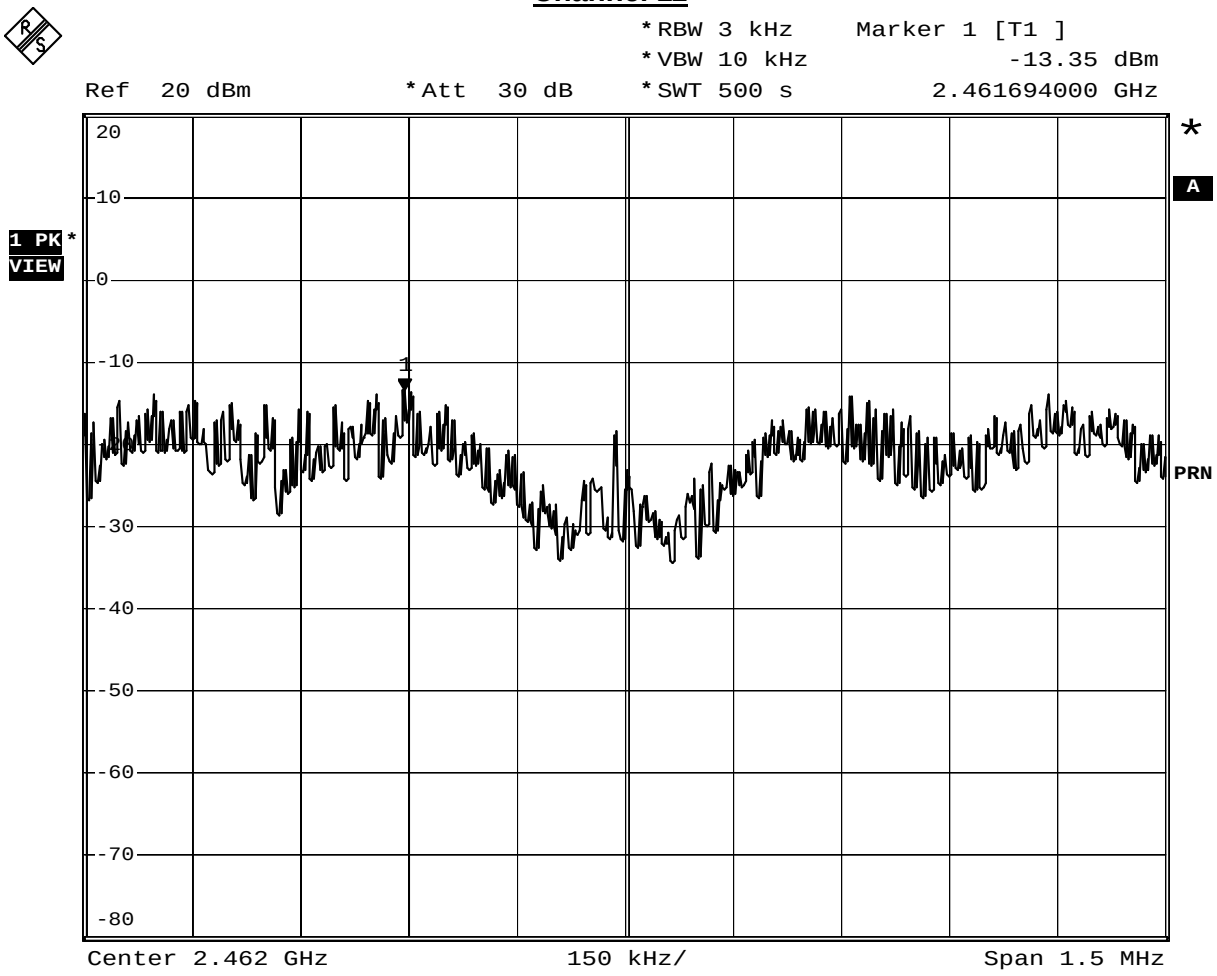
Channel 1



Channel 6


*RBW 3 kHz
*VBW 10 kHz
*SWT 500 s
Marker 1 [T1]
-13.89 dBm
2.436694000 GHz
Ref 20 dBm
*Att 30 dB
1 PK*
VIEW
A
PRN
20
10
0
-10
-30
-40
-50
-60
-70
-80
Center 2.437 GHz
150 kHz/
Span 1.5 MHz
Date: 27.MAR.2009 04:26:12

Channel 11

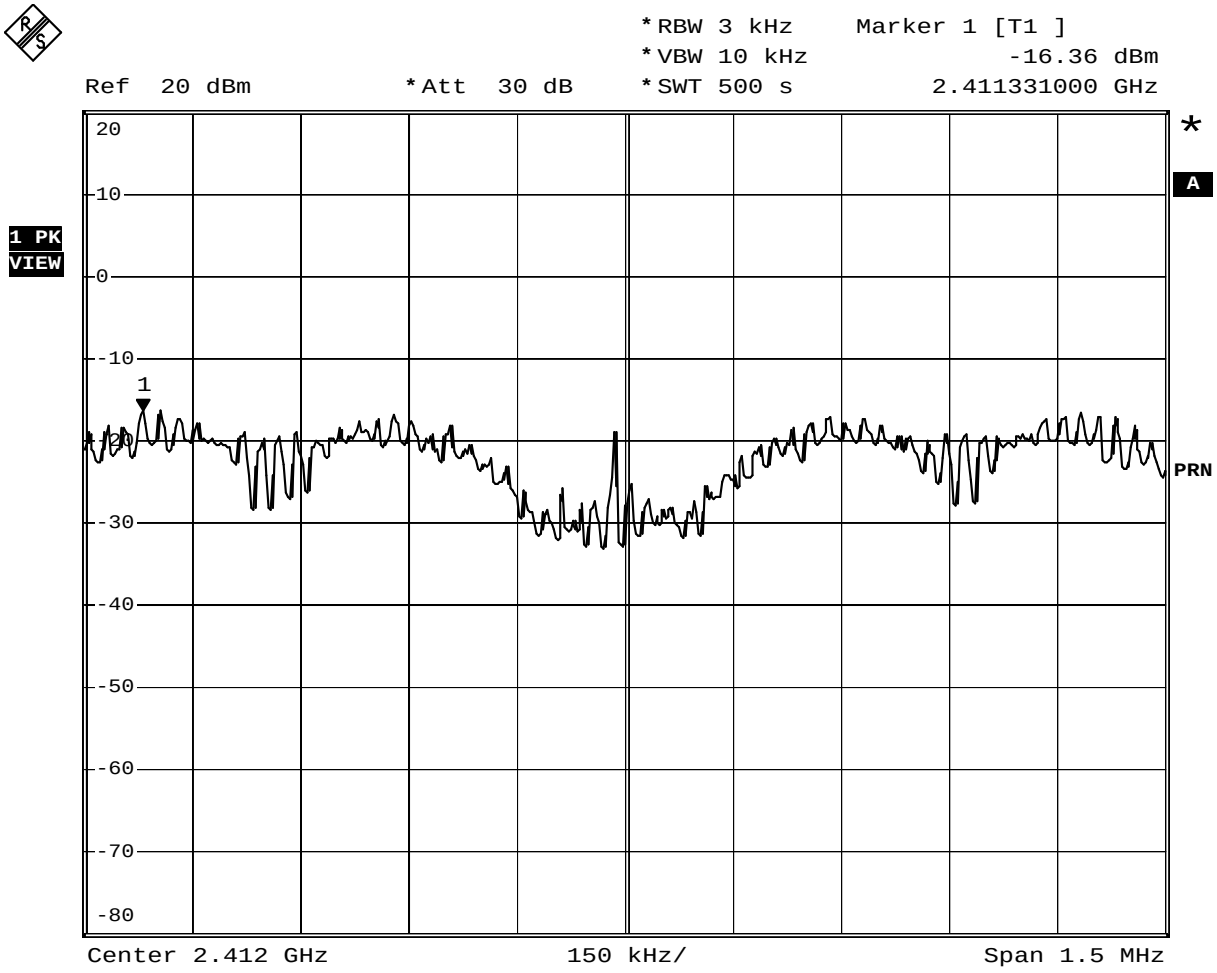


Date: 27.MAR.2009 04:29:58

Product	Wireless N 150 Home Router		
Test Item	Power Density		
Test Mode	Transmit		
Date of Test	2009/03/27	Test Site	No.1 OATS

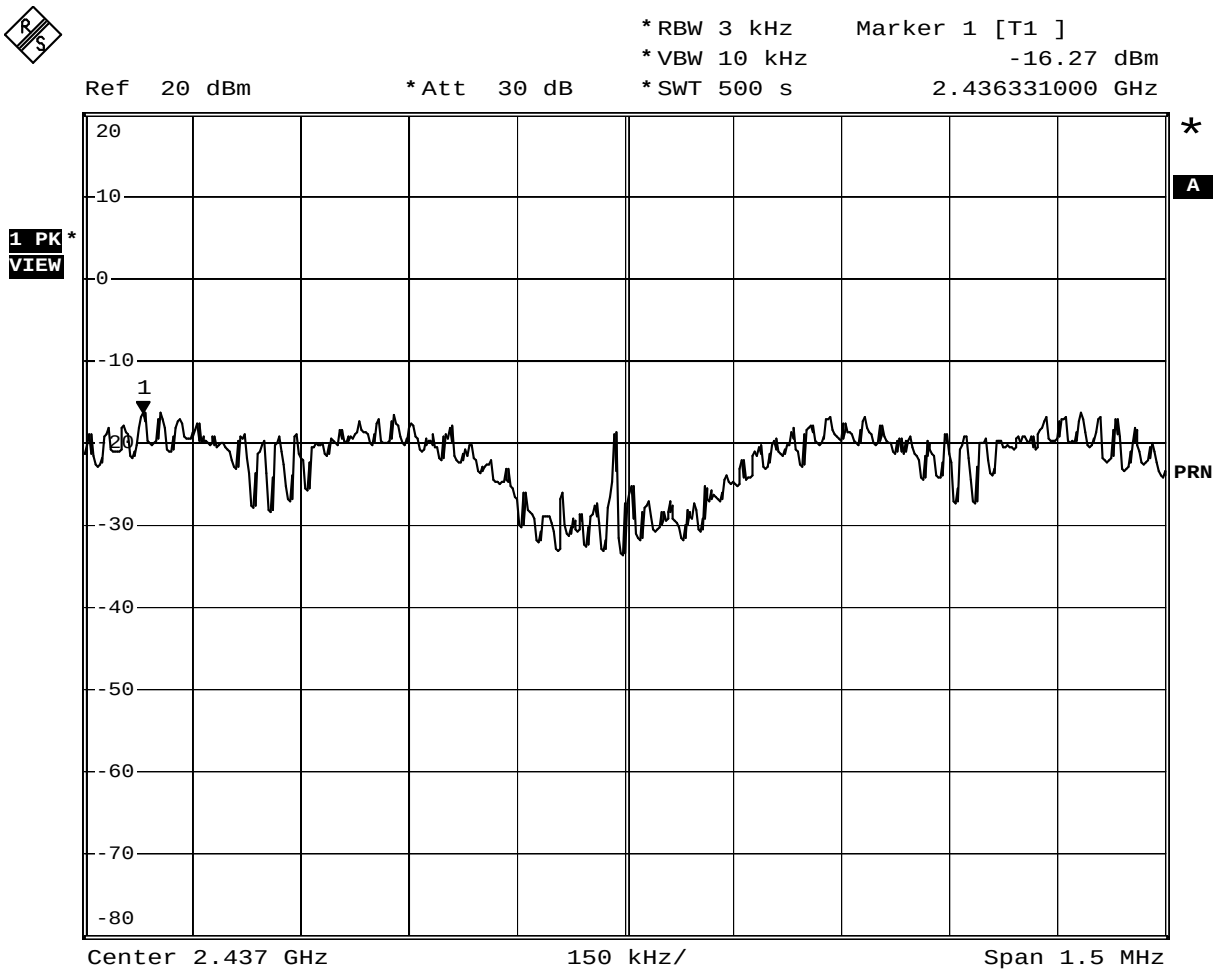
IEEE802.11n MCS0 20MHz_Tx; ANT A				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
1	2412.00	-16.36	≦8	Pass
6	2437.00	-16.27	≦8	Pass
11	2462.00	-16.10	≦8	Pass

IEEE802.11n MCS0 20MHz_Tx; ANT A
Channel 1



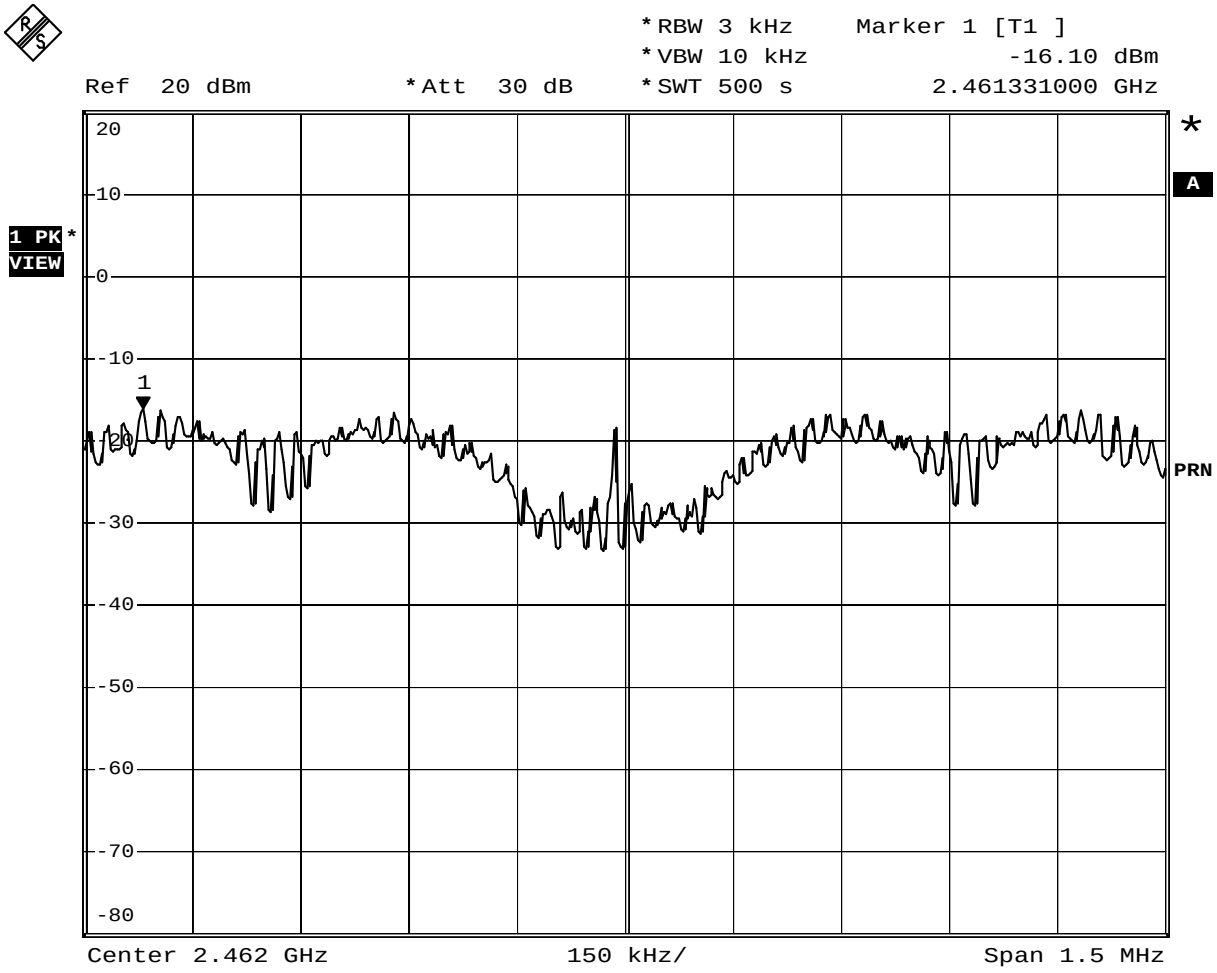
Date: 27.MAR.2009 14:11:20

IEEE802.11n MCS0 20MHz_Tx; ANT A
Channel 6



Date: 27.MAR.2009 04:36:26

IEEE802.11n MCS0 20MHz_Tx; ANT A
Channel 11



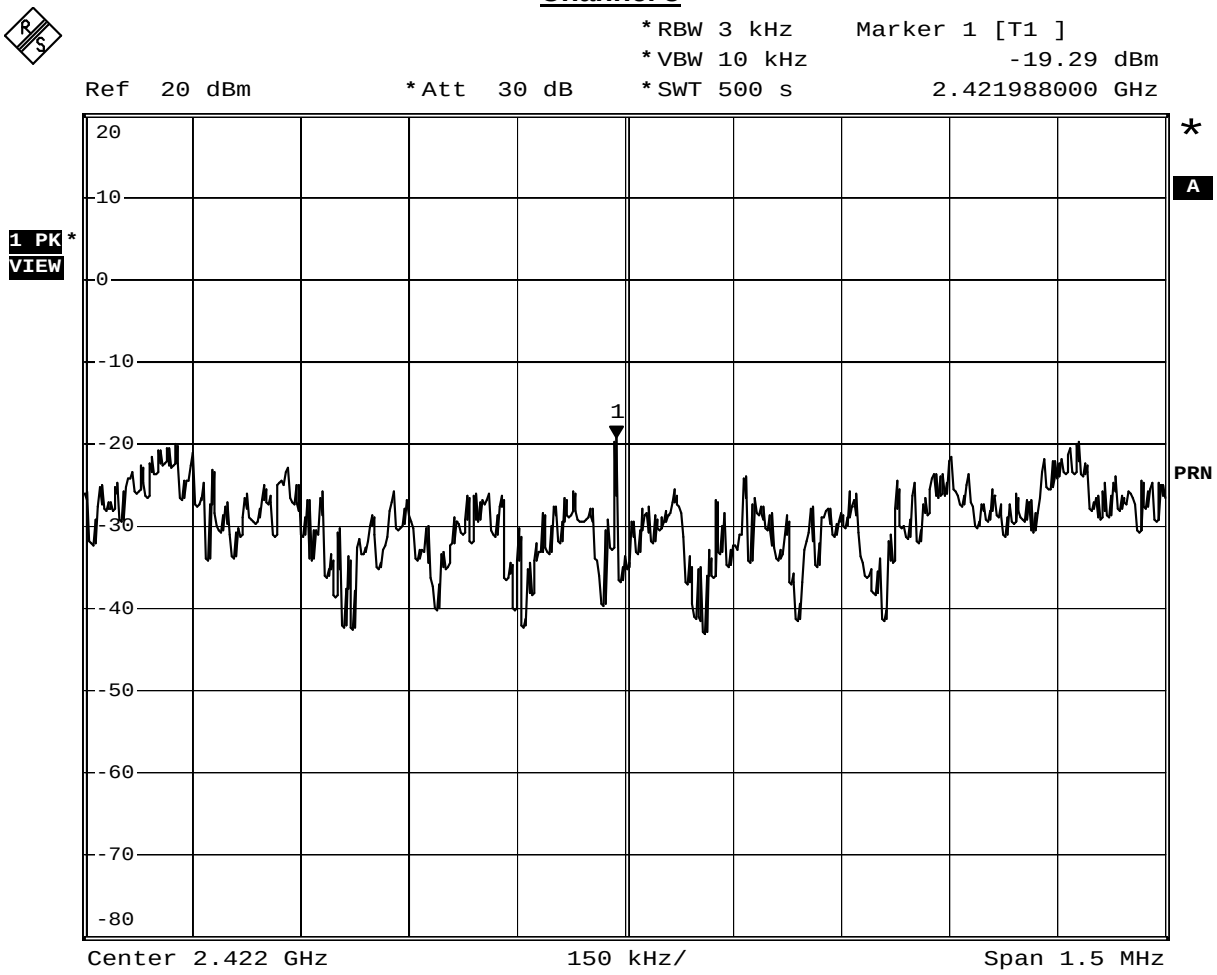
Date: 27.MAR.2009 05:05:50

Product	Wireless N 150 Home Router		
Test Item	Power Density		
Test Mode	Transmit		
Date of Test	2009/03/27	Test Site	No.1 OATS

IEEE 802.11n MCS1 40MHz_Tx ; ANT A				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
3	2422	-19.29	≦8	Pass
6	2437	-19.33	≦8	Pass
9	2452	-18.96	≦8	Pass

IEEE 802.11n MCS1 40MHz_Tx ; ANT A

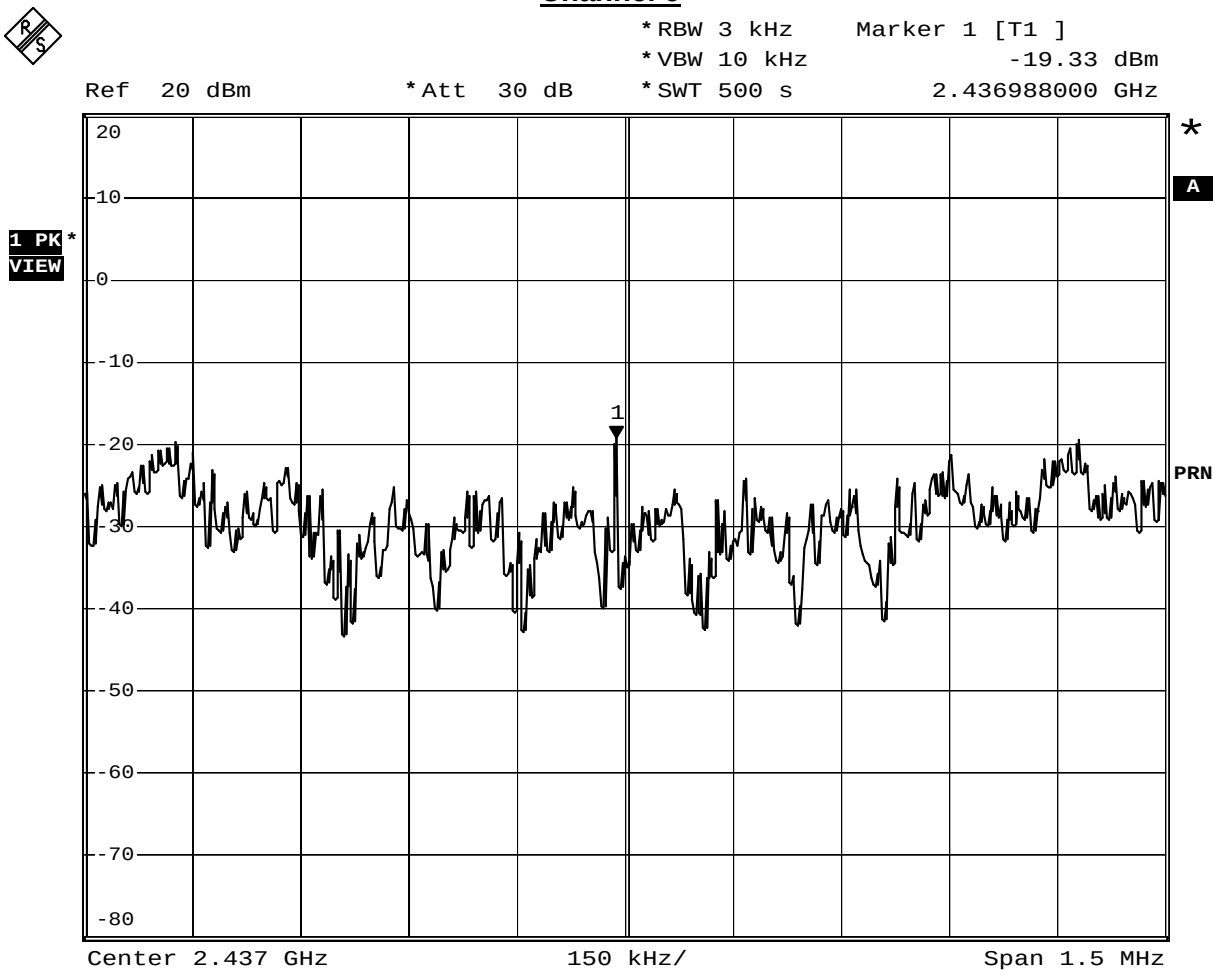
Channel 3



Date: 27.MAR.2009 05:56:27

IEEE 802.11n MCS1 40MHz_Tx ; ANT A

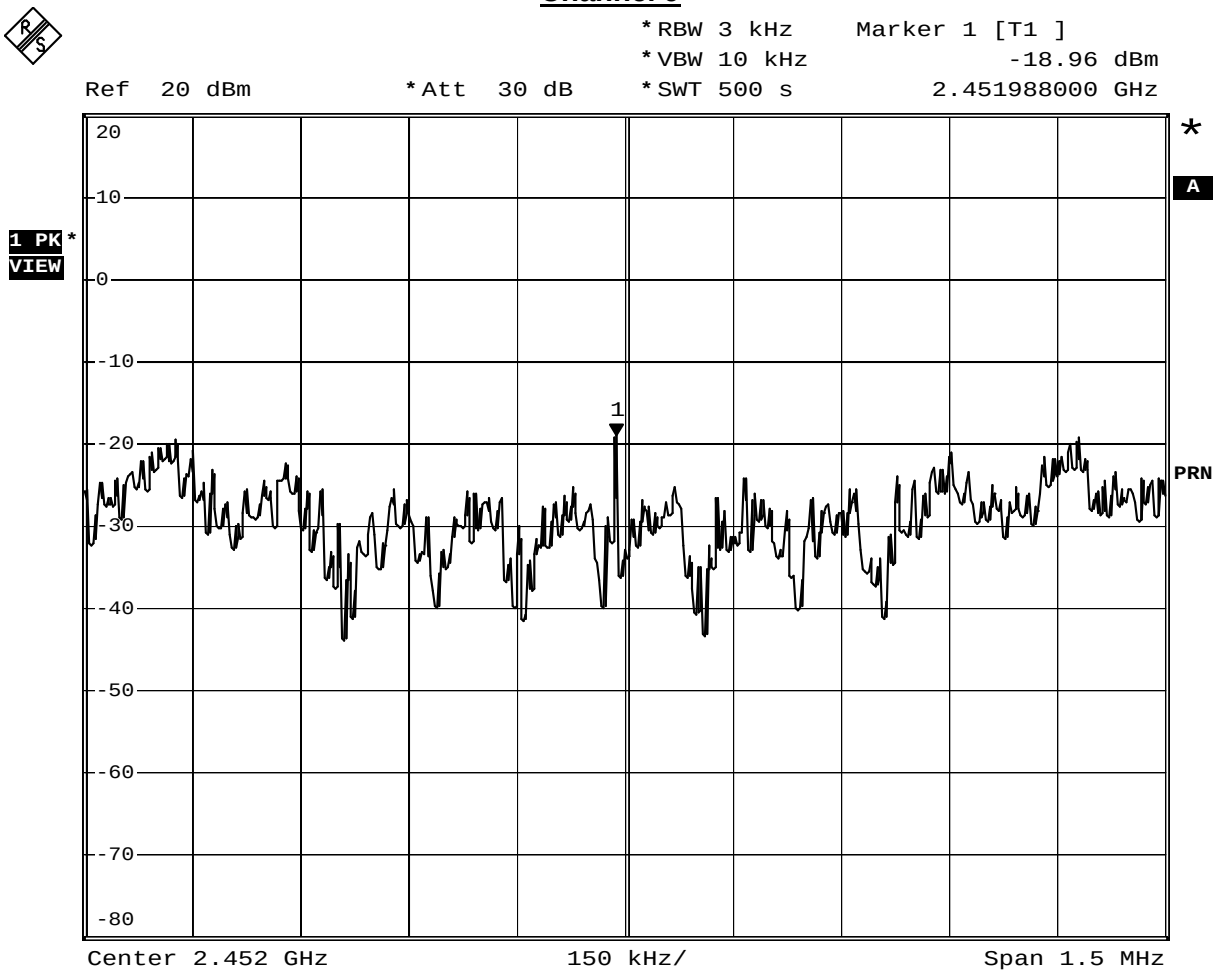
Channel 6



Date: 27.MAR.2009 05:58:12

IEEE 802.11n MCS1 40MHz_Tx ; ANT A

Channel 9



Date: 27.MAR.2009 06:02:21