



Test Report

Product Name : Gigabit Wireless-N Router
Model No. : RT-N15U
FCC ID. : MSQ-RTN15U

Applicant : ASUSTeK COMPUTER INC.
Address : No. 15, Li-Te Rd., Peitou, Taipei 112, Taiwan R.O.C.

Date of Receipt : 2011/08/01
Issued Date : 2011/08/26
Report No. : 118108R-RFUSP42V01
Report Version : V1.0

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

Test Report Certification

Issued Date : 2011/08/26

Report No. : 118108R-RFUSP42V01



Product Name : Gigabit Wireless-N Router
 Applicant : ASUSTeK COMPUTER INC.
 Address : No. 15, Li-Te Rd., Peitou, Taipei 112, Taiwan R.O.C.
 Manufacturer : Arcadyan Technology Corporation
 Model No. : RT-N15U
 FCC ID. : MSQ-RTN15U
 EUT Voltage : AC 100-240V / 50/60Hz
 Trade Name : ASUS
 Applicable Standard : FCC CFR Title 47 Part 15 Subpart C Section 15.247:2010
 ANSI C63.4: 2009
 Test Result : Complied

The test results relate only to the samples tested.

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 Reviewed By : Ben Huang
 (Ben Huang / Engineer)
 Approved By : Roy Wang
 (Roy Wang / Manager)

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1. General Information

1.1. EUT Description

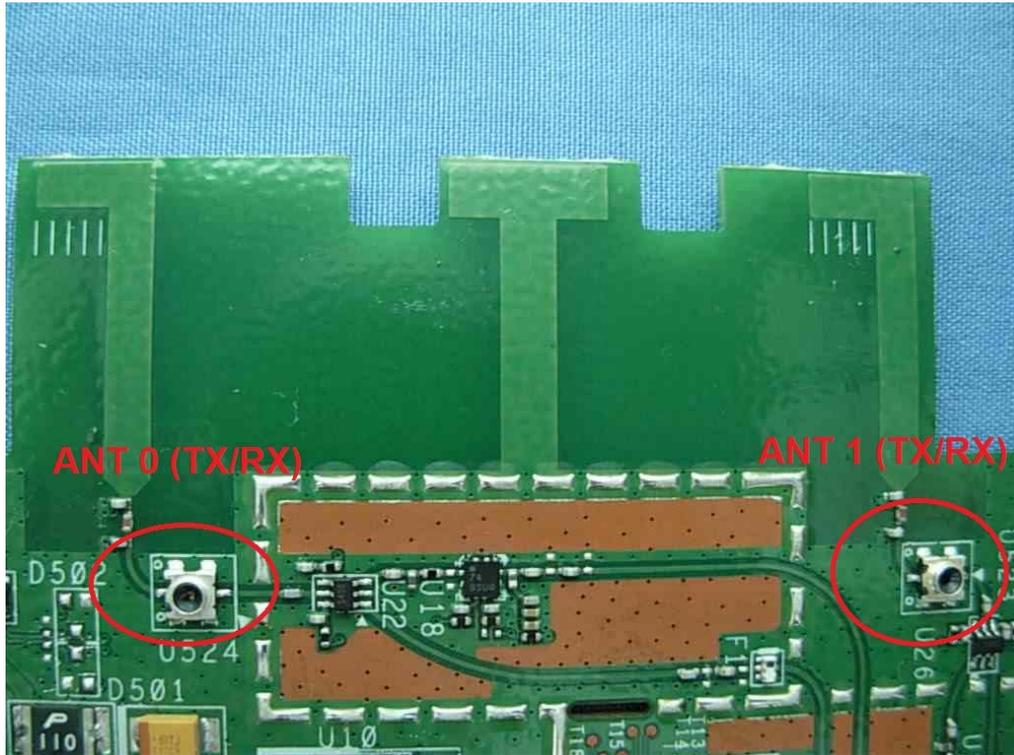
Product Name	Gigabit Wireless-N Router
Product Type	WLAN (2TX, 2RX)
Trade Name	ASUS
Model No.	RT-N15U
Frequency Range -IEEE 802.11b/g & IEEE 802.11n (20MHz)	2412~2462MHz
Frequency Range- IEEE 802.11n (40MHz)	2422~2452MHz
Channel Number (IEEE 802.11b/g & IEEE 802.11n (20MHz))	11
Channel Number- IEEE 802.11n (40MHz)	7
Type of Modulation (IEEE 802.11b)	Direct Sequence Spread Spectrum (DSSS)
Type of Modulation (IEEE 802.11g/n)	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 15 and bandwidth defined in 802.11n
Antenna Gain	Antenna 0(Left)= 2.89 dBi; Antenna 1(Right)=2.51 dBi
Channel Control	Manual
Antenna Type	PCB antenna

Component	
LAN Cable	Non-Shielded, 1.5m
Power Adapter (1)	DVE, DSA-12G-12FUS 120100 I/P: 100V-240V/50-60Hz O/P: 12V $\overline{=}$ 1A Cable Out: Non-Shielded, 1.5m
Power Adapter (2)	LEADER, MU12-G120100-A1 I/P: 100V-240V/50-60Hz O/P: 12V $\overline{=}$ 1A Cable Out: Non-Shielded, 1.5m

ANT-TX / Rx & Bandwidth

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

ANT 0/1 (TX / RX)



IEEE802.11n Spec.

MCS Index	Modulation	R	N _{BPSCS}	N _{CBPS}		N _{DBPS}		Data Rate(Mb/s)			
				20MHz	40MHz	20MHz	40MHz	800ns GI		400ns GI (Note1)	
								20MHz	40MHz	20MHz	40MHz
0	BPSK	1/2	1	52	108	26	54	6.5	13.5	7.2	15.0
1	QPSK	1/2	2	104	216	52	108	13.0	27.0	14.4	30.0
2	QPSK	3/4	2	104	216	78	162	19.5	40.5	21.7	45.0
3	16-QAM	1/2	4	208	432	104	216	26.0	54.0	28.9	60.0
4	16-QAM	3/4	4	208	432	156	324	39.0	81.0	43.3	90.0
5	64-QAM	2/3	6	312	648	208	432	52.0	108.0	57.8	120.0
6	64-QAM	3/4	6	312	648	234	486	58.5	121.5	65.0	135.0
7	64-QAM	5/6	6	312	648	260	540	65.0	135.0	72.2	150.0

Note 1: Support of 400ns GI is optional on transmit and receive.

Table 1 – MCS parameters for TX Antenna number = 1

MCS Index	Modulation	R	N _{BPSCS}	N _{CBPS}		N _{DBPS}		Data Rate(Mb/s)			
				20MHz	40MHz	20MHz	40MHz	800ns GI		400ns GI (Note1)	
								20MHz	40MHz	20MHz	40MHz
8	BPSK	1/2	1	104	216	52	108	13.0	27.0	14.4	30.0
9	QPSK	1/2	2	208	432	104	216	26.0	54.0	28.9	60.0
10	QPSK	3/4	2	208	432	156	324	39.0	81.0	43.3	90.0
11	16-QAM	1/2	4	416	864	208	432	52.0	108.0	57.8	120.0
12	16-QAM	3/4	4	416	864	312	648	78.0	162.0	86.7	180.0
13	64-QAM	2/3	6	624	1296	416	864	104.0	216.0	115.6	240.0
14	64-QAM	3/4	6	624	1296	468	972	117.0	243.0	130.0	270.0
15	64-QAM	5/6	6	624	1296	520	1080	130.0	270.0	144.4	300.0

Note 1: Support of 400ns GI is optional on transmit and receive.

Table 2 – MCS parameters for TX Antenna number = 2

Symbol	Explanation
R	Code rate
N _{BPSC}	Number of coded bits per single carrier
N _{CBPS}	Number of coded bits per symbol
N _{DBPS}	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 Gigabit Wireless-N Router including 2.4GHz 11 b/g and 11n (2x2) 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 118108R-RFUSP37V02 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 (Adapter: DVE, DSA-12G)
	Mode 2: Transmit (Adapter: Leader, MU12-G120100)

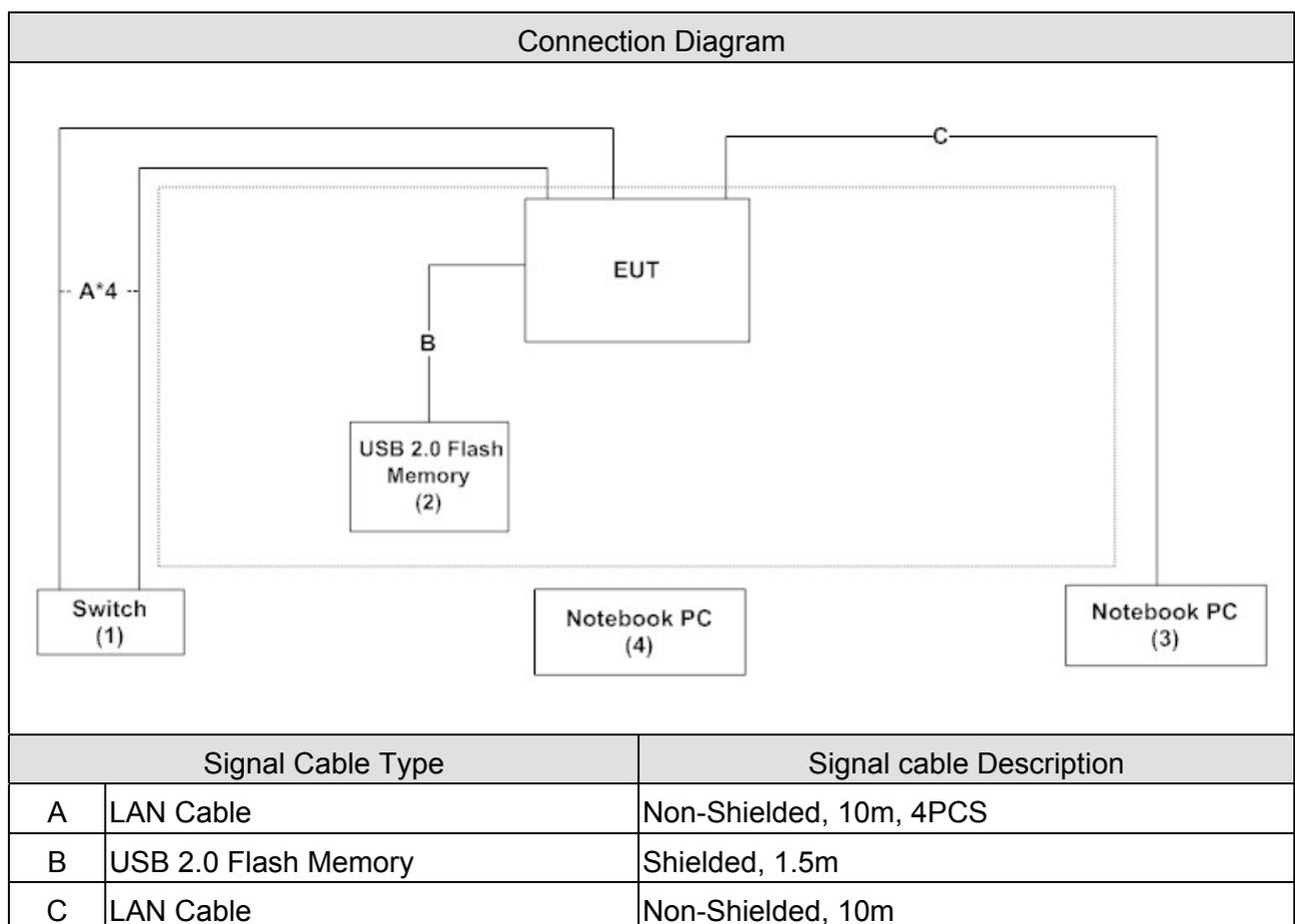
Test Items	Mode		Channel	Result
Conducted Emission	1/2	11n (40MHz)	6	Complies
Peak Power Output	1	b/g	1 /6/ 11	Complies
	1	11n(20MHz)	1 /6/ 11	Complies
	1	11n(40MHz)	3 /6/ 9	Complies
Radiated Emission (Under 1GHz)	1/2	b/g	6	Complies
	1/2	11n(20MHz)	6	Complies
	1/2	11n(40MHz)	6	Complies
Radiated Emission (Above 1GHz)	1	b/g	1 /6/ 11	Complies
	1	11n(20MHz)	1 /6/ 11	Complies
	1	11n(40MHz)	3 /6/ 9	Complies
RF antenna conducted test	1	b/g	1 /11	Complies
	1	11n(20MHz)	1 /11	Complies
	1	11n(40MHz)	3 /9	Complies
Radiated Emission Band Edge	1	b/g	1 /11	Complies
	1	11n(20MHz)	1 /11	Complies
	1	11n(40MHz)	3 /9	Complies
Occupied Bandwidth	1	b/g	1 /6/ 11	Complies
	1	11n(20MHz)	1 /6/ 11	Complies
	1	11n(40MHz)	3 /6/ 9	Complies
Power Density	1	b/g	1 /6/ 11	Complies
	1	11n(20MHz)	1 /6/ 11	Complies
	1	11n(40MHz)	3 /6/ 9	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 Switch	D-Link	DGS1216T	F360298000076	DoC	Non-Shielded, 1.8m
2 USB 2.0 Flash Memory	Ridata	PEN000-DP065-37	N/A	DoC	--
3 Notebook PC	HP Compaq	NX6320FF	CNU7020BXT	DoC	Non-Shielded, 1.8m
4 Notebook PC	Acer	MS2296	LUSCV021391150332C2000	DoC	Non-Shielded, 1.8m

1.5. Configuration of tested System



1.6. EUT Exercise Software

1	Setup the EUT as shown in Section 1.5
2	Execute the MFG Control Panel V1.4.0.0 which is installed in the Notebook PC.
3	Configure the test mode, the test channel, and the data rate.
4	Press "Start TX" to start the continuous transmitting.
5	Verify that the EUT works properly.

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	25
Humidity (%RH)		25 - 75	46
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 RF antenna conducted test (DSSS)	15 - 35	24
Humidity (%RH)		25 - 75	49
Barometric pressure (mbar)		860 - 1060	950-1000
Temperature (°C)	FCC PART 15 C 15.247 Band Edge (DSSS)	15 - 35	25
Humidity (%RH)		25 - 75	48
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	46
Barometric pressure (mbar)		860 - 1060	950-1000
Temperature (°C)	FCC PART 15 C 15.247 Power Density (DSSS)	15 - 35	25
Humidity (%RH)		25 - 75	48
Barometric pressure (mbar)		860 - 1060	950-1000

Site Description: September 27, 2010 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, 2013



Accredited by NVLAP
NVLAP Lab Code: 200347-0
Effective through: September 30, 2011



Site Name: Quietek Corporation

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2. Conducted Emission

2.1. Test Equipment

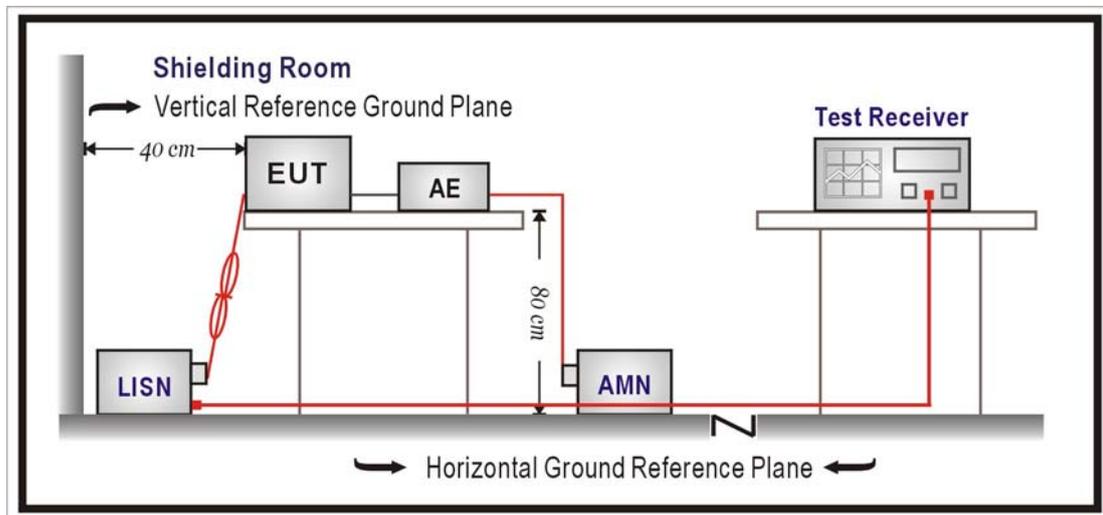
The following test equipments are used during the test:

Conducted Emission/ SR3

Instrument	Manufacturer	Model No.	Serial No	Next Cal. Date
LISN	R&S	ENV216	100096	2011/09/20
LISN	R&S	ESH3-Z5	836679/022	2012/02/10
Test Receiver	R&S	ESCS 30	825442/017	2012/01/16

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

2.2. Test Setup



2.3. Limits

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

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

2.4. Test Procedure

The EUT was setup according to ANSI C63.4: 2009 and tested according to DTS test procedure of Oct 2002 KDB558074 for compliance to FCC 47CFR 15.247 requirements. The EUT was placed on a platform of nominal size, 1 m by 1.5 m, raised 80 cm above the conducting ground plane. The vertical conducting plane was located 40 cm to the rear of the EUT. All other surfaces of EUT were at least 80 cm from any other grounded conducting surface. The EUT and simulators are connected to the main power through a line impedance stabilization network (LISN). The LISN provides a 50 ohm /50uH coupling impedance for the measuring equipment. The peripheral devices are also connected to the main power through a LISN. (Please refer to the block diagram of the test setup and photographs.) Each current-carrying conductor of the EUT power cord, except the ground (safety) conductor, was individually connected through a LISN to the input power source. The excess length of the power cord between the EUT and the LISN receptacle were folded back and forth at the center of the lead to form a bundle not exceeding 40 cm in length. Conducted emissions were investigated over the frequency range from 0.15MHz to 30MHz using a receiver bandwidth of 9 kHz.

2.5. Test Specification

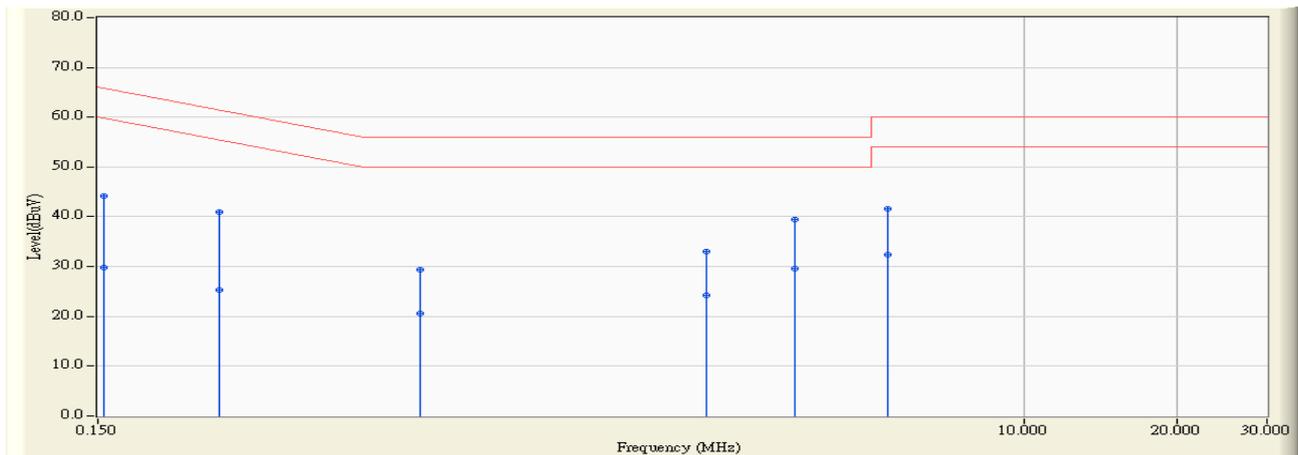
According to FCC Part 15 Subpart C Paragraph 15.207: 2010

2.6. Uncertainty

The measurement uncertainty is defined as ± 2.26 dB.

2.7. Test Result

Site : SR3	Time : 2011/08/13 - 15:34
Limit : CISPR_B_00M_QP	Margin : 6
Probe : SR3_LISN(16A) - Line1	Power : 120V/60Hz
EUT : GIGABIT WIRELESS-N ROUTER	Note : Mode 1: Transmit (Adapter: DVE, DSA-12G)

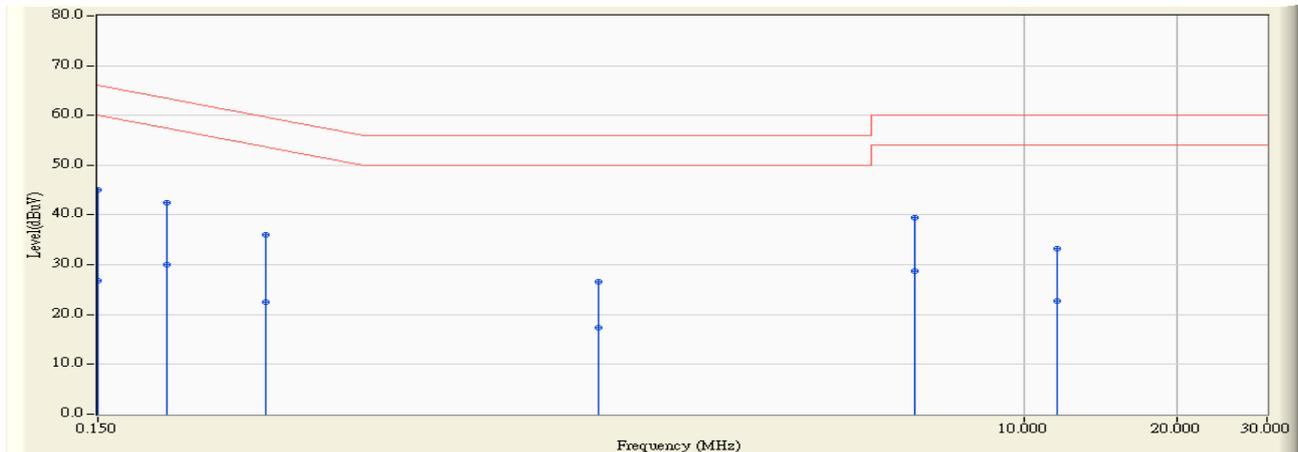


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1	0.154	9.612	34.620	44.232	-21.555	65.786	QUASIPeAK
2	0.154	9.612	20.100	29.712	-26.075	55.786	AVERAGE
3	0.259	9.588	31.430	41.018	-20.433	61.452	QUASIPeAK
4	0.259	9.588	15.820	25.408	-26.043	51.452	AVERAGE
5	0.646	9.739	19.570	29.309	-26.691	56.000	QUASIPeAK
6	0.646	9.739	10.920	20.659	-25.341	46.000	AVERAGE
7	2.365	9.917	23.210	33.126	-22.874	56.000	QUASIPeAK
8	2.365	9.917	14.280	24.196	-21.804	46.000	AVERAGE
9	3.521	9.992	29.390	39.382	-16.618	56.000	QUASIPeAK
10	* 3.521	9.992	19.680	29.672	-16.328	46.000	AVERAGE
11	5.380	10.058	31.470	41.528	-18.472	60.000	QUASIPeAK
12	5.380	10.058	22.370	32.428	-17.572	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 : SR3	Time : 2011/08/13 - 15:41
Limit : CISPR_B_00M_QP	Margin : 6
Probe : SR3_LISN(16A) - Line2	Power : 120V/60Hz
EUT : GIGABIT WIRELESS-N ROUTER	Note : Mode 1: Transmit (Adapter: DVE, DSA-12G)



	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1	0.150	9.635	35.390	45.025	-20.975	66.000	QUASPEAK
2	0.150	9.635	17.090	26.725	-29.275	56.000	AVERAGE
3	0.205	9.623	32.740	42.363	-21.055	63.418	QUASPEAK
4	0.205	9.623	20.410	30.033	-23.385	53.418	AVERAGE
5	0.322	9.610	26.330	35.940	-23.718	59.658	QUASPEAK
6	0.322	9.610	12.930	22.540	-27.118	49.658	AVERAGE
7	1.455	9.867	16.640	26.507	-29.493	56.000	QUASPEAK
8	1.455	9.867	7.440	17.307	-28.693	46.000	AVERAGE
9	* 6.064	10.094	29.370	39.464	-20.536	60.000	QUASPEAK
10	6.064	10.094	18.600	28.694	-21.306	50.000	AVERAGE
11	11.595	10.198	22.970	33.168	-26.832	60.000	QUASPEAK
12	11.595	10.198	12.440	22.638	-27.362	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 : SR3	Time : 2011/08/13 - 17:18
Limit : CISPR_B_00M_QP	Margin : 6
Probe : SR3_LISN(16A) - Line1	Power : 120V/60Hz
EUT : GIGABIT WIRELESS-N ROUTER	Note : Mode 2: Transmit (Adapter: Leader, MU12-G120100)

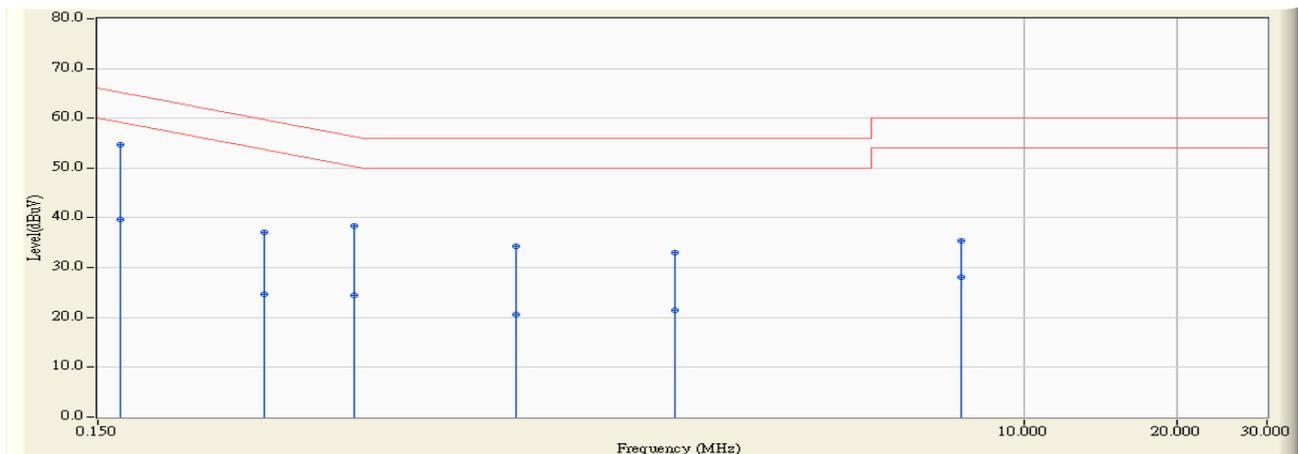


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1	*	0.162	9.608	45.540	55.148	-10.227	65.375	QUASPEAK
2		0.162	9.608	31.350	40.958	-14.417	55.375	AVERAGE
3		0.236	9.593	31.980	41.573	-20.665	62.238	QUASPEAK
4		0.236	9.593	14.660	24.253	-27.985	52.238	AVERAGE
5		0.334	9.587	27.150	36.737	-22.625	59.361	QUASPEAK
6		0.334	9.587	14.080	23.667	-25.695	49.361	AVERAGE
7		1.916	9.889	22.050	31.939	-24.061	56.000	QUASPEAK
8		1.916	9.889	10.680	20.569	-25.431	46.000	AVERAGE
9		7.259	10.083	25.390	35.473	-24.527	60.000	QUASPEAK
10		7.259	10.083	18.990	29.073	-20.927	50.000	AVERAGE
11		11.400	10.128	27.620	37.748	-22.252	60.000	QUASPEAK
12		11.400	10.128	17.860	27.988	-22.012	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 : SR3	Time : 2011/08/13 - 17:22
Limit : CISPR_B_00M_QP	Margin : 6
Probe : SR3_LISN(16A) - Line2	Power : 120V/60Hz
EUT : GIGABIT WIRELESS-N ROUTER	Note : Mode 2: Transmit (Adapter: Leader, MU12-G120100)



		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1	*	0.166	9.628	45.040	54.668	-10.509	65.177	QUASPEAK
2		0.166	9.628	29.990	39.618	-15.559	55.177	AVERAGE
3		0.318	9.610	27.480	37.090	-22.670	59.760	QUASPEAK
4		0.318	9.610	15.160	24.770	-24.990	49.760	AVERAGE
5		0.478	9.650	28.660	38.310	-18.062	56.372	QUASPEAK
6		0.478	9.650	14.810	24.460	-21.912	46.372	AVERAGE
7		0.998	9.847	24.490	34.336	-21.664	56.000	QUASPEAK
8		0.998	9.847	10.810	20.656	-25.344	46.000	AVERAGE
9		2.056	9.897	23.180	33.077	-22.923	56.000	QUASPEAK
10		2.056	9.897	11.540	21.437	-24.563	46.000	AVERAGE
11		7.498	10.118	25.240	35.358	-24.642	60.000	QUASPEAK
12		7.498	10.118	18.070	28.188	-21.812	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:

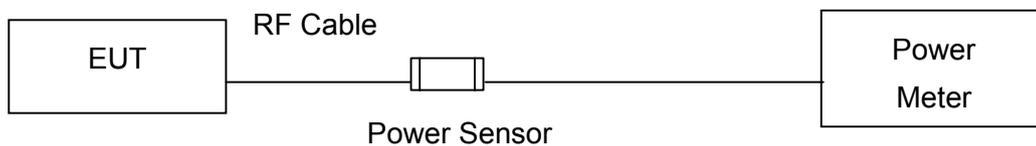
Peak Power / SR7

Instrument	Manufacturer	Model No.	Serial No	Next Cal. Date
Power Meter	Agilent	N1911A	MY45101353	2012/01/04
Power Sensor	Agilent	N1921A	MY45241670	2012/01/04

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

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. Test Specification

According to FCC Part 15 Subpart C Paragraph 15.247: 2010

3.6. Uncertainty

The measurement uncertainty is defined as ± 1.27 dB.

3.7. Test Result

Product	Gigabit Wireless-N Router		
Test Item	Peak Power Output		
Test Mode	Transmit		
Date of Test	2011/08/03	Test Site	SR7

IEEE 802.11b				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
1	2412	23.01	1Watt= 30 dBm	Pass
6	2437	21.71	1Watt= 30 dBm	Pass
11	2462	21.47	1Watt= 30 dBm	Pass

The worst emission of data rate is 1 Mbps.

Peak Power Output Value (dBm)						
Channel No.	Frequency (MHz)	Data Rate				Required Limit
		1	2	5.5	11	
1	2412.00	23.01	--	--	-	1Watt= 30 dBm
6	2437.00	21.71	21.69	21.61	21.53	1Watt= 30 dBm
11	2462.00	21.47	--	--	-	1Watt= 30 dBm

Note: Measure Level =Reading value + cable loss

Product	Gigabit Wireless-N Router		
Test Item	Peak Power Output		
Test Mode	Transmit		
Date of Test	2011/08/03	Test Site	SR7

IEEE 802.11g				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
1	2412	24.11	1Watt= 30 dBm	Pass
6	2437	25.72	1Watt= 30 dBm	Pass
11	2462	25.01	1Watt= 30 dBm	Pass

The worst emission of data rate is 6 Mbps.

Peak Power Output Value(dBm)									
Channel No.	Frequency (MHz)	Data Rate (Mbps)							Required Limit
		6	12	18	24	36	48	54	
1	2412	24.11	--	--	--	--	--	--	1Watt= 30 dBm
6	2437	25.72	25.70	25.62	25.53	25.52	25.41	25.31	1Watt= 30 dBm
11	2462	25.01	--	--	--	--	--	--	1Watt= 30 dBm

Note: Measure Level =Reading value + cable loss

Product	Gigabit Wireless-N Router		
Test Item	Peak Power Output		
Test Mode	Transmit		
Date of Test	2011/08/03	Test Site	SR7

IEEE 802.11n (20MHz) ANT 0				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
1	2412	25.41	1Watt= 30 dBm	Pass
6	2437	25.36	1Watt= 30 dBm	Pass
11	2462	25.06	1Watt= 30 dBm	Pass

The worst emission of data rate is 13 Mbps.

Peak Power Output (dBm)										
MCS Index		8	9	10	11	12	13	14	15	Required Limit
Channel No	Frequency (MHz)	Data Rate								
		13	26	39	52	78	104	117	130	
1	2412	25.41	--	--	--	--	--	--	--	30dBm
6	2437	25.36	25.34	25.25	25.21	25.14	25.11	24.82	24.63	30dBm
11	2462	25.06	--	--	--	--	--	--	--	30dBm

Note: Measure Level =Reading value + cable loss

Product	Gigabit Wireless-N Router		
Test Item	Peak Power Output		
Test Mode	Transmit		
Date of Test	2011/08/03	Test Site	SR7

IEEE 802.11n (20MHz) ANT1				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
1	2412	24.11	1Watt= 30 dBm	Pass
6	2437	25.11	1Watt= 30 dBm	Pass
11	2462	26.11	1Watt= 30 dBm	Pass

The worst emission of data rate is 13 Mbps.

Peak Power Output (dBm)										
MCS Index		8	9	10	11	12	13	14	15	Required Limit
Channel No	Frequency (MHz)	Data Rate								
		13	26	39	52	78	104	117	130	
1	2412	24.11	--	--	--	--	--	--	--	30dBm
6	2437	25.11	25.10	25.03	24.93	24.72	24.52	24.43	24.41	30dBm
11	2462	26.11	--	--	--	--	--	--	--	30dBm

Note: Measure Level =Reading value + cable loss

Product	Gigabit Wireless-N Router		
Test Item	Peak Power Output		
Test Mode	Transmit		
Date of Test	2011/08/03	Test Site	SR7

IEEE 802.11n (20MHz) ANT 0+1				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
1	2412	27.82	1Watt= 30 dBm	Pass
6	2437	28.25	1Watt= 30 dBm	Pass
11	2462	28.63	1Watt= 30 dBm	Pass

Note: Measure Level =Reading value + cable loss

Product	Gigabit Wireless-N Router		
Test Item	Peak Power Output		
Test Mode	Transmit		
Date of Test	2011/08/03	Test Site	SR7

IEEE 802.11n (40MHz) ANT 0				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
3	2422	21.11	1Watt= 30 dBm	Pass
6	2437	24.96	1Watt= 30 dBm	Pass
9	2452	23.53	1Watt= 30 dBm	Pass

The worst emission of data rate is 27 Mbps

Peak Power Output (dBm)										
MCS Index		8	9	10	11	12	13	14	15	Required Limit
Channel No	Frequency (MHz)	Data Rate								
		27	54	81	108	162	216	243	270	
3	2422	21.11	--	--	-	--	--	-	--	30dBm
6	2437	24.96	24.86	24.82	24.61	24.58	24.53	24.43	24.41	30dBm
9	2452	23.53	--	--	-	--	--	-	--	30dBm

Note: Measure Level =Reading value + cable loss

Product	Gigabit Wireless-N Router		
Test Item	Peak Power Output		
Test Mode	Transmit		
Date of Test	2011/08/03	Test Site	SR7

IEEE 802.11n (40MHz) ANT 1				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
3	2422	21.12	1Watt= 30 dBm	Pass
6	2437	25.18	1Watt= 30 dBm	Pass
9	2452	22.03	1Watt= 30 dBm	Pass

The worst emission of data rate is 27Mbps

Peak Power Output (dBm)										
MCS Index		8	9	10	11	12	13	14	15	Required Limit
Channel No	Frequency (MHz)	Data Rate								
		27	54	81	108	162	216	243	270	
3	2422	21.12	--	--	-	--	--	-	--	30dBm
6	2437	25.18	25.11	25.08	25.01	24.82	24.74	24.71	24.70	30dBm
9	2452	22.03	--	--	-	--	--	-	--	30dBm

Note: Measure Level =Reading value + cable loss

Product	Gigabit Wireless-N Router		
Test Item	Peak Power Output		
Test Mode	Transmit		
Date of Test	2011/08/03	Test Site	SR7

IEEE 802.11n (40MHz) ANT 0+1				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
3	2422	24.13	1Watt= 30 dBm	Pass
6	2437	28.08	1Watt= 30 dBm	Pass
9	2452	25.85	1Watt= 30 dBm	Pass

Note: Measure Level =Reading value + cable loss

4. Radiated Emission

4.1. Test Equipment

The following test equipments are used during the test:

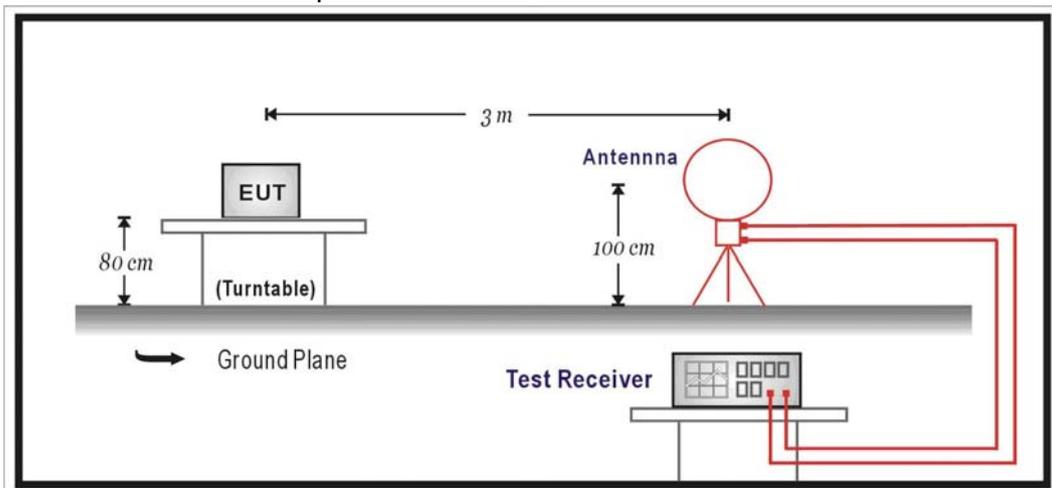
Radiated Emission / CB1

Instrument	Manufacturer	Model No.	Serial No	Next Cal. Date
Bilog Antenna	SCHAFFNER	CBL6112B	2895	2012/08/14
Double Ridged Guide Horn Antenna	Schwarzback	BBHA 9120D	743	2012/02/24
Pre-Amplifier	MITEQ	AMF-4D-005180-24-10P	888003	2011/12/16
Pre-Amplifier	QuieTek	AP-025C	CHM-0706049	2012/03/10
PSA Series Spectrum analyzer	Agilent	E4440A	MY46187335	2012/01/06
Coaxial Cable	Huber+Suhner AG	Sucoflex 102	25623/2	2012/03/21

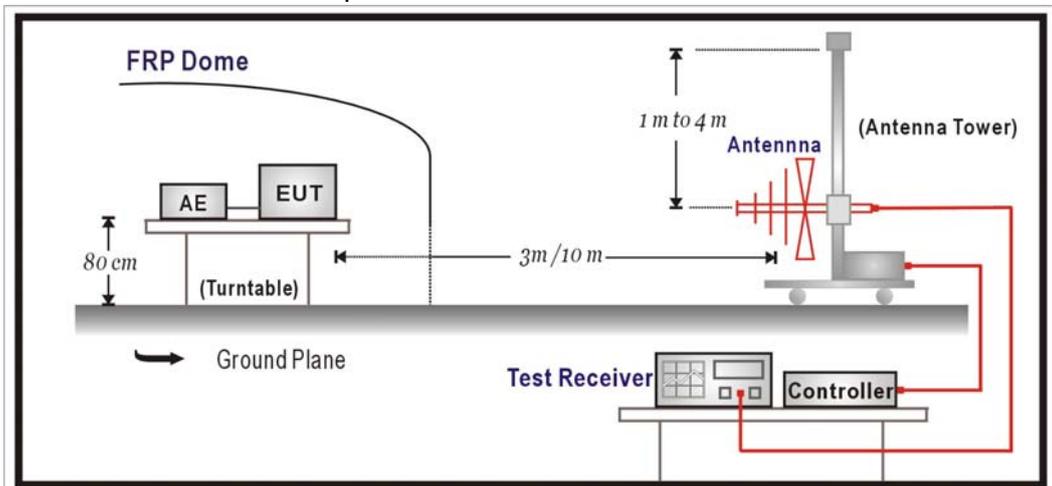
Note: 1. All equipments that need to calibrate are with calibration period of 1 year.

4.2. Test Setup

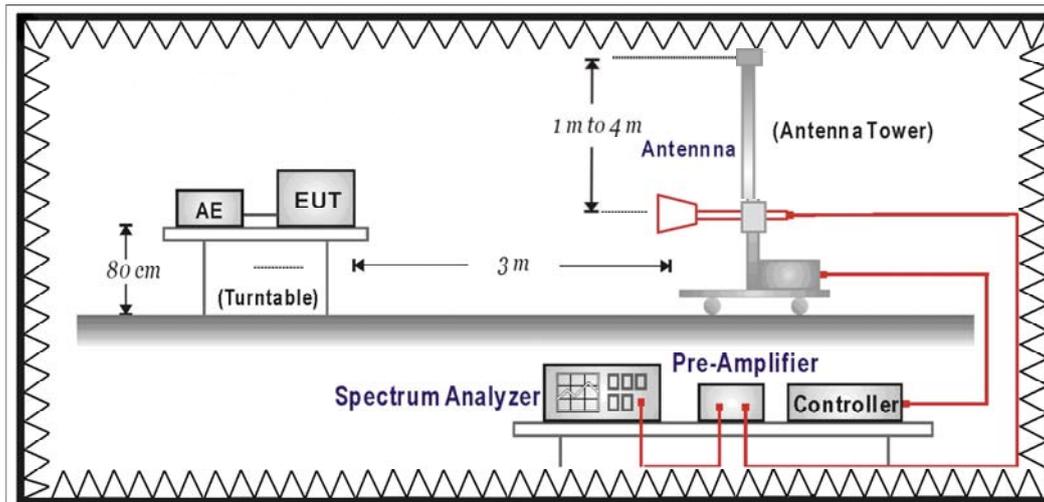
Under 30MHz Test Setup:



30MHz to 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 (μ V/m)

4.4. Test Procedure

The EUT was setup according to ANSI C63.4: 2009 and tested according to DTS test procedure of Oct 2002 KDB558074 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: 2009 on radiated measurement.

On any frequency or frequencies below or equal to 1000 MHz, the limits shown are based on measuring equipment employing a quasi-peak detector function and on any frequency or frequencies above 1000 MHz the radiated limits shown are based upon the use of measurement instrumentation employing an average detector function. When average radiated emission measurement are included emission measurement below 1000 MHz, there also is a limit on the radio frequency emissions, as measured using instrumentation with a peak detector function, corresponding to 20 dB above the maximum permitted average limit. The bandwidth below 1GHz setting on the field strength meter is 120 kHz and above 1GHz is 1MHz.

4.5. Test Specification

According to FCC Part 15 Subpart C Paragraph 15.247: 2010

4.6. Uncertainty

The measurement uncertainty

30MHz~1GHz as $\pm 3.43\text{dB}$

1GHz~26.5Ghz as $\pm 3.65\text{dB}$

4.7. Test Result

Product	Gigabit Wireless-N Router		
Test Item	Radiated Emission		
Test Mode	Mode 1: Transmit (Adapter: DVE, DSA-12G)		
Date of Test	2011/10/20	Test Site	CB1

Radiated Emission (<30MHz) at 3m

IEEE 802.11b, 2437MHz				
Frequency (MHz)	Cable loss (dB)	Measure Level (dBuV/m)	Measure Level (dBuV/m)	Limit (dBuV/m)
10	0.29	24.30	24.59	69.54
15	0.29	23.83	24.12	69.54
20	0.29	23.84	24.13	69.54
25	0.29	24.02	24.31	69.54
27	0.29	24.07	24.36	69.54

IEEE 802.11g, 2437MHz				
Frequency (MHz)	Cable loss (dB)	Measure Level (dBuV/m)	Measure Level (dBuV/m)	Limit (dBuV/m)
10	0.29	24.35	24.64	69.54
15	0.29	23.80	24.09	69.54
20	0.29	23.91	24.20	69.54
25	0.29	24.09	24.38	69.54
27	0.29	24.29	24.58	69.54

Product	Gigabit Wireless-N Router		
Test Item	Radiated Emission		
Test Mode	Mode 1: Transmit (Adapter: DVE, DSA-12G)		
Date of Test	2011/10/20	Test Site	CB1

Radiated Emission (<30MHz) at 3m

IEEE 802.11n(20MHz), 2437MHz				
Frequency (MHz)	Cable loss (dB)	Measure Level (dBuV/m)	Measure Level (dBuV/m)	Limit (dBuV/m)
10	0.29	24.33	24.62	69.54
15	0.29	24.68	24.97	69.54
20	0.29	24.11	24.40	69.54
25	0.29	24.70	24.99	69.54
27	0.29	24.17	24.46	69.54

IEEE 802.11n(40MHz), 2437MHz				
Frequency (MHz)	Cable loss (dB)	Measure Level (dBuV/m)	Measure Level (dBuV/m)	Limit (dBuV/m)
10	0.29	23.90	24.19	69.54
15	0.29	23.80	24.09	69.54
20	0.29	24.26	24.55	69.54
25	0.29	24.31	24.60	69.54
27	0.29	23.88	24.17	69.54

Product	Gigabit Wireless-N Router		
Test Item	Radiated Emission		
Test Mode	Mode 2: Transmit (Adapter: Leader, MU12-G120100)		
Date of Test	2011/10/20	Test Site	CB1

Radiated Emission (<30MHz) at 3m

IEEE 802.11b, 2437MHz				
Frequency (MHz)	Cable loss (dB)	Measure Level (dBuV/m)	Measure Level (dBuV/m)	Limit (dBuV/m)
10	0.29	23.79	24.08	69.54
15	0.29	24.54	24.83	69.54
20	0.29	23.78	24.07	69.54
25	0.29	24.21	24.50	69.54
27	0.29	24.47	24.76	69.54

IEEE 802.11g, 2437MHz				
Frequency (MHz)	Cable loss (dB)	Measure Level (dBuV/m)	Measure Level (dBuV/m)	Limit (dBuV/m)
10	0.29	24.42	24.71	69.54
15	0.29	23.86	24.15	69.54
20	0.29	23.80	24.09	69.54
25	0.29	24.63	24.92	69.54
27	0.29	24.18	24.47	69.54

Product	Gigabit Wireless-N Router		
Test Item	Radiated Emission		
Test Mode	Mode 2: Transmit (Adapter: Leader, MU12-G120100)		
Date of Test	2011/10/20	Test Site	CB1

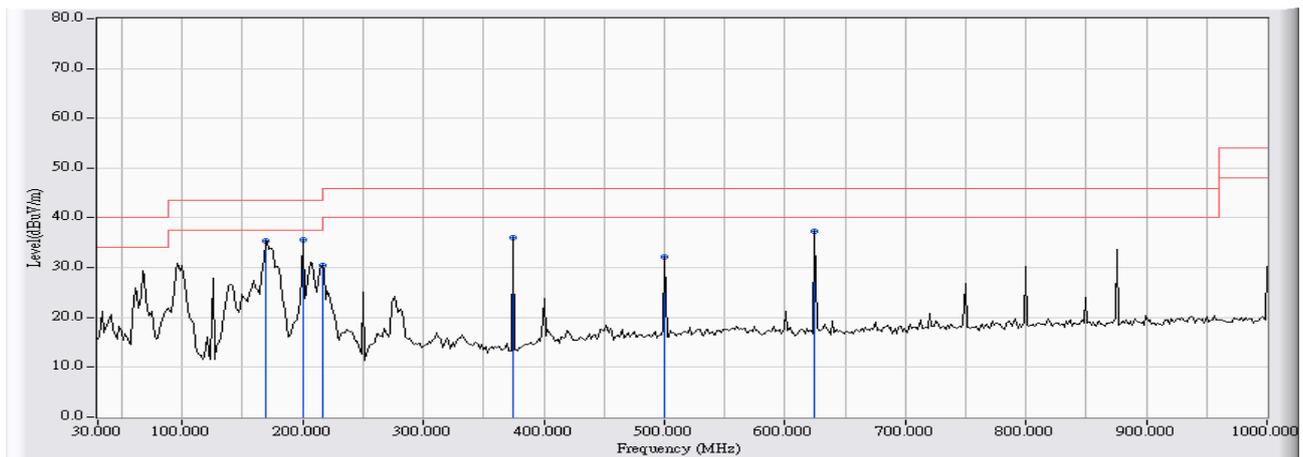
Radiated Emission (<30MHz) at 3m

IEEE 802.11n(20MHz), 2437MHz				
Frequency (MHz)	Cable loss (dB)	Measure Level (dBuV/m)	Measure Level (dBuV/m)	Limit (dBuV/m)
10	0.29	23.83	24.12	69.54
15	0.29	23.84	24.13	69.54
20	0.29	24.39	24.68	69.54
25	0.29	23.74	24.03	69.54
27	0.29	24.10	24.39	69.54

IEEE 802.11n(40MHz), 2437MHz				
Frequency (MHz)	Cable loss (dB)	Measure Level (dBuV/m)	Measure Level (dBuV/m)	Limit (dBuV/m)
10	0.29	24.01	24.30	69.54
15	0.29	24.69	24.98	69.54
20	0.29	23.81	24.10	69.54
25	0.29	23.99	24.28	69.54
27	0.29	23.86	24.15	69.54

30MHz-1GHz Spurious

Site : CB1	Time : 2011/08/04 - 13:30
Limit : FCC_CLASS_B_03M_QP	Margin : 6
Probe : CB1_FCC_EFS_30-1G(2010-12) - HORIZONTAL	Power : AC 120V/60Hz
EUT : Gigabit Wireless-N Router	Note : Mode 1: Transmit (Adapter: DVE, DSA-12G) -2437MHz,802.11b

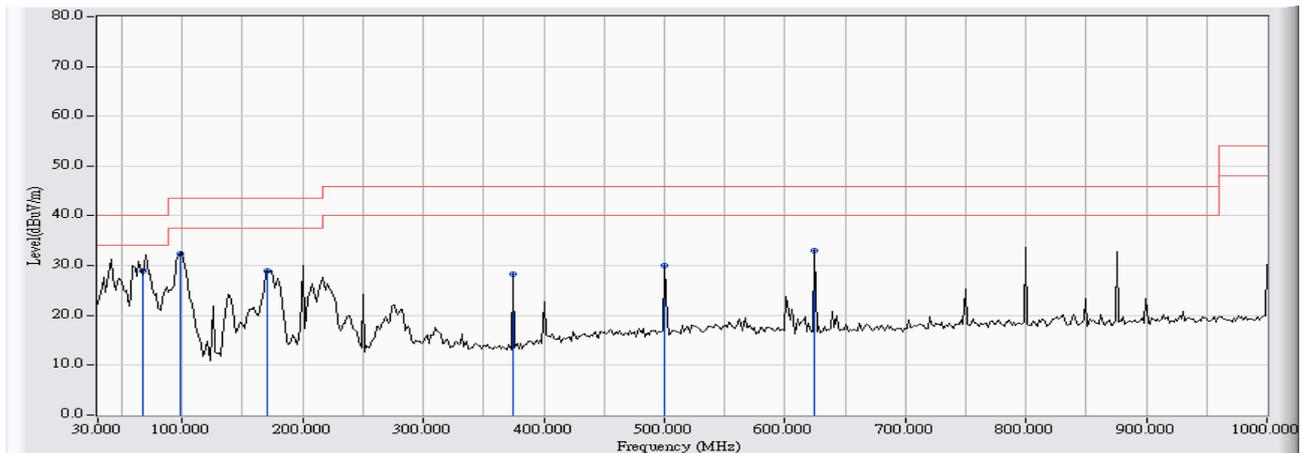


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	169.033	-14.686	50.105	35.418	-8.082	43.500	QUASPEAK
2	* 199.750	-15.115	50.638	35.523	-7.977	43.500	QUASPEAK
3	215.917	-13.954	44.478	30.525	-12.975	43.500	QUASPEAK
4	374.350	-8.586	44.717	36.132	-9.868	46.000	QUASPEAK
5	500.450	-6.072	38.340	32.269	-13.731	46.000	QUASPEAK
6	624.933	-4.882	42.245	37.363	-8.637	46.000	QUASPEAK

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 : CB1	Time : 2011/08/04 - 13:24
Limit : FCC_CLASS_B_03M_QP	Margin : 6
Probe : CB1_FCC_EFS_30-1G(2010-12) - VERTICAL	Power : AC 120V/60Hz
EUT : Gigabit Wireless-N Router	Note : Mode 1: Transmit (Adapter: DVE, DSA-12G) -2437MHz,802.11b

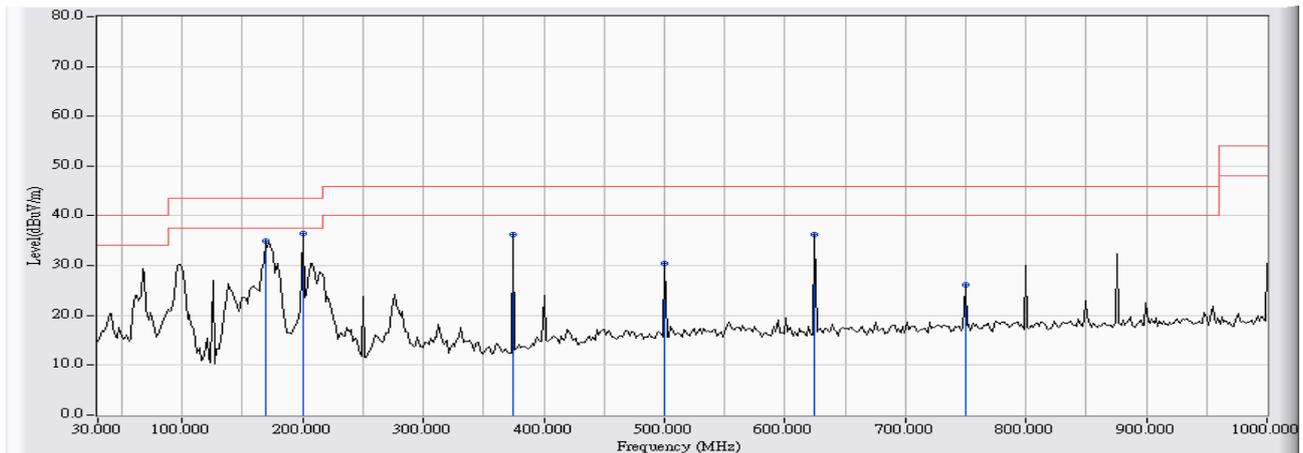


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	67.183	-18.166	47.181	29.015	-10.985	40.000	QUASPEAK
2		97.900	-14.374	46.821	32.447	-11.053	43.500	QUASPEAK
3		170.650	-14.749	43.651	28.901	-14.599	43.500	QUASPEAK
4		374.350	-8.586	36.858	28.273	-17.727	46.000	QUASPEAK
5		500.450	-6.072	36.040	29.969	-16.031	46.000	QUASPEAK
6		624.933	-4.882	37.951	33.069	-12.931	46.000	QUASPEAK

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 : CB1	Time : 2011/08/16 - 22:07
Limit : FCC_CLASS_B_03M_QP	Margin : 6
Probe : CB1_FCC_EFS_30-1G(2010-12) - HORIZONTAL	Power : AC 120V/60Hz
EUT : Gigabit Wireless-N Router	Note : Mode 1: Transmit (Adapter: DVE, DSA-12G) -2437MHz,802.11g

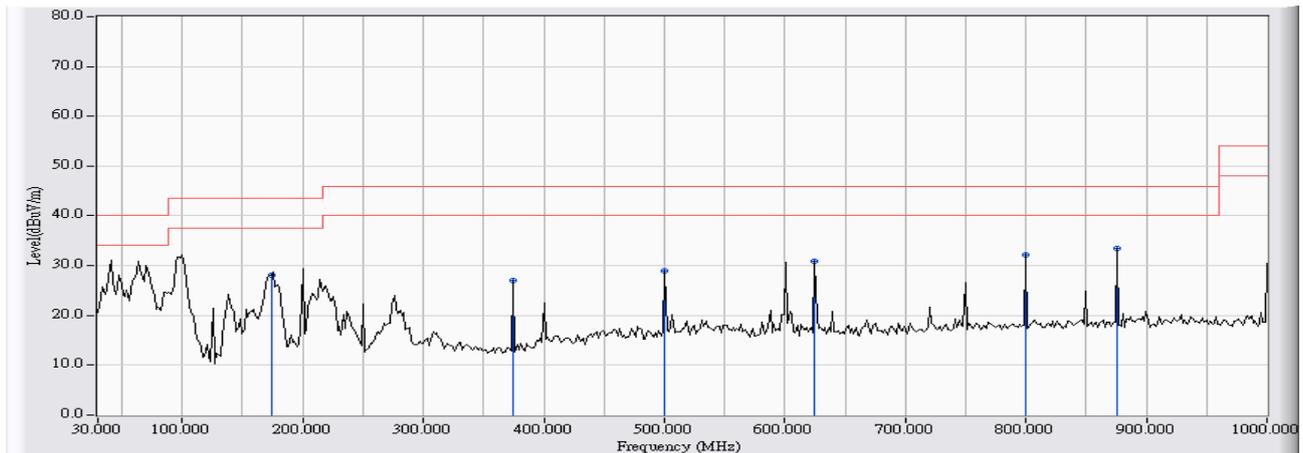


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	169.034	-14.686	49.644	34.958	-8.542	43.500	QUASPEAK
2	* 199.751	-15.115	51.521	36.406	-7.094	43.500	QUASPEAK
3	374.343	-8.586	44.930	36.344	-9.656	46.000	QUASPEAK
4	500.442	-6.072	36.632	30.560	-15.440	46.000	QUASPEAK
5	624.928	-4.882	41.127	36.245	-9.755	46.000	QUASPEAK
6	749.420	-3.947	30.143	26.196	-19.804	46.000	QUASPEAK

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 : CB1	Time : 2011/08/16 - 22:08
Limit : FCC_CLASS_B_03M_QP	Margin : 6
Probe : CB1_FCC_EFS_30-1G(2010-12) - VERTICAL	Power : AC 120V/60Hz
EUT : Gigabit Wireless-N Router	Note : Mode 1: Transmit (Adapter: DVE, DSA-12G) -2437MHz,802.11g

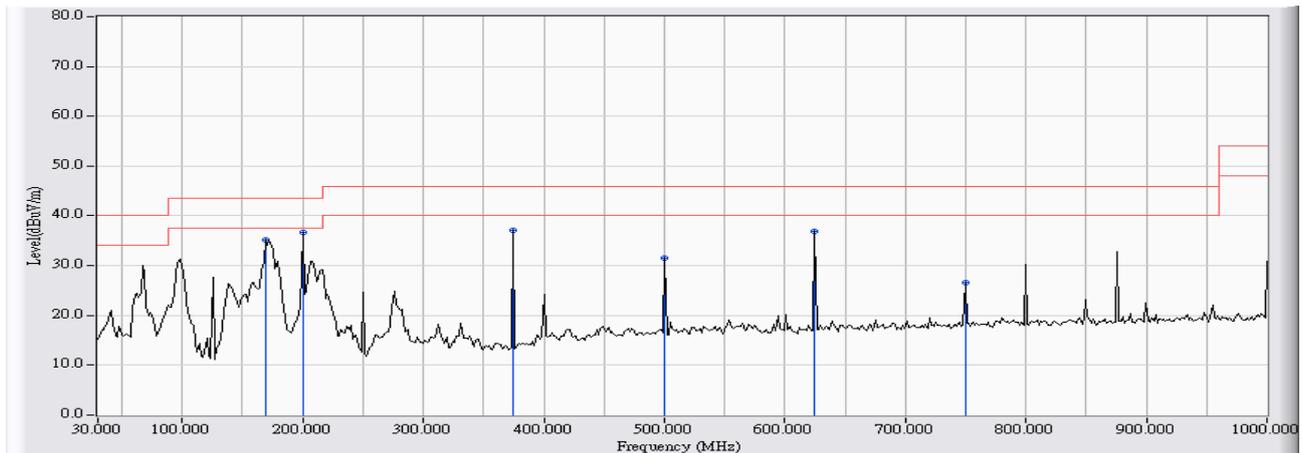


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	173.878	-14.876	42.949	28.073	-15.427	43.500	QUASPEAK
2	374.343	-8.586	35.510	26.924	-19.076	46.000	QUASPEAK
3	500.441	-6.072	34.984	28.912	-17.088	46.000	QUASPEAK
4	624.936	-4.882	35.786	30.904	-15.096	46.000	QUASPEAK
5	799.528	-3.355	35.593	32.238	-13.762	46.000	QUASPEAK
6	* 875.522	-3.015	36.433	33.418	-12.582	46.000	QUASPEAK

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 : CB1	Time : 2011/08/04 - 13:41
Limit : FCC_CLASS_B_03M_QP	Margin : 6
Probe : CB1_FCC_EFS_30-1G(2010-12) - HORIZONTAL	Power : AC 120V/60Hz
EUT : Gigabit Wireless-N Router	Note : Mode 1: Transmit (Adapter: DVE, DSA-12G) -2437MHz, 802.11n(20M)

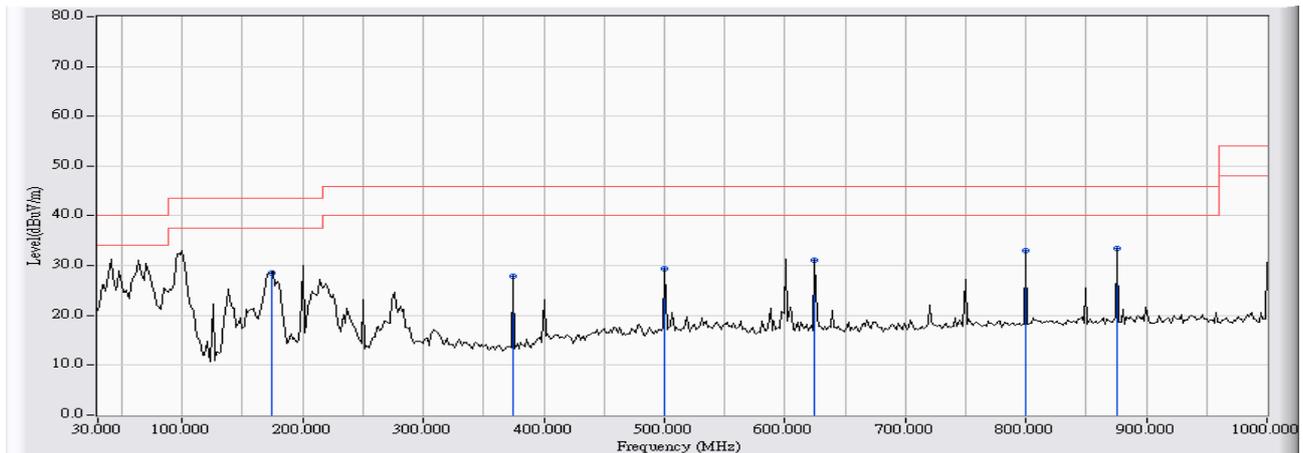


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	169.033	-14.686	49.814	35.127	-8.373	43.500	QUASPEAK
2	* 199.750	-15.115	51.728	36.613	-6.887	43.500	QUASPEAK
3	374.350	-8.586	45.676	37.091	-8.909	46.000	QUASPEAK
4	500.450	-6.072	37.642	31.571	-14.429	46.000	QUASPEAK
5	624.933	-4.882	41.715	36.833	-9.167	46.000	QUASPEAK
6	749.417	-3.947	30.492	26.546	-19.454	46.000	QUASPEAK

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 : CB1	Time : 2011/08/04 - 13:35
Limit : FCC_CLASS_B_03M_QP	Margin : 6
Probe : CB1_FCC_EFS_30-1G(2010-12) - VERTICAL	Power : AC 120V/60Hz
EUT : Gigabit Wireless-N Router	Note : Mode 1: Transmit (Adapter: DVE, DSA-12G) -2437MHz,802.11n(20M)

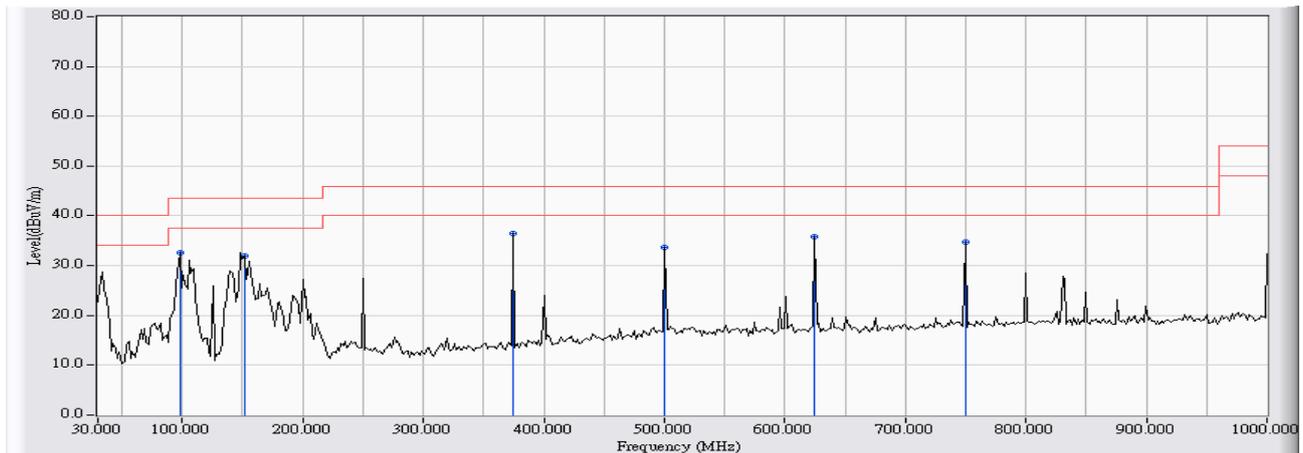


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	173.883	-14.876	43.438	28.562	-14.938	43.500	QUASPEAK
2	374.350	-8.586	36.403	27.818	-18.182	46.000	QUASPEAK
3	500.450	-6.072	35.483	29.412	-16.588	46.000	QUASPEAK
4	624.933	-4.882	35.992	31.110	-14.890	46.000	QUASPEAK
5	799.533	-3.355	36.445	33.090	-12.910	46.000	QUASPEAK
6	* 875.517	-3.015	36.557	33.542	-12.458	46.000	QUASPEAK

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 : CB1	Time : 2011/08/04 - 19:14
Limit : FCC_CLASS_B_03M_QP	Margin : 6
Probe : CB1_FCC_EFS_30-1G(2010-12) - HORIZONTAL	Power : AC 120V/60Hz
EUT : Gigabit Wireless-N Router	Note : Mode 1: Transmit (Adapter: DVE, DSA-12G) -2437MHz,802.11n(40M)

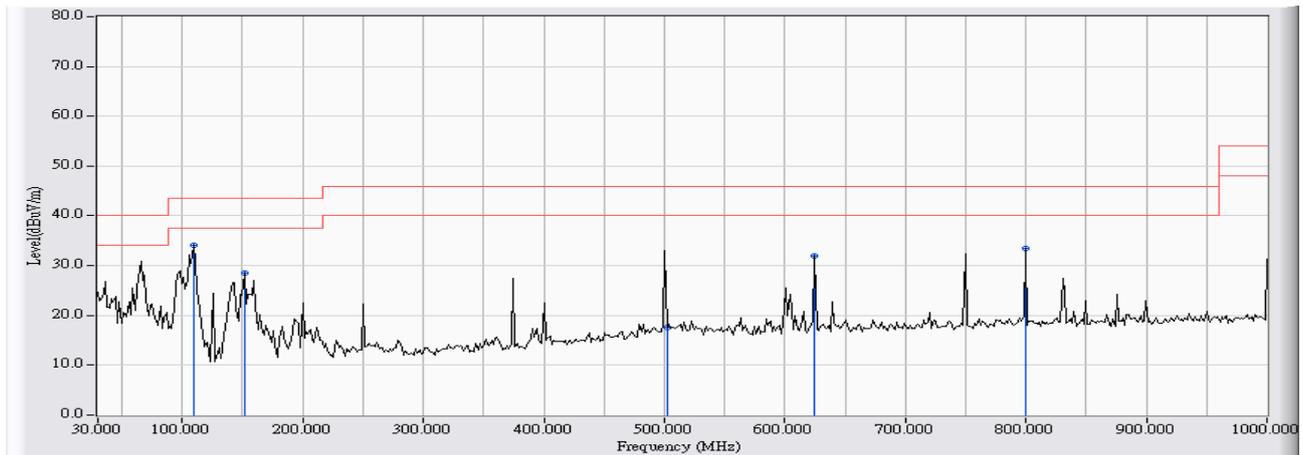


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	97.900	-14.374	47.012	32.638	-10.862	43.500	QUASPEAK
2	151.250	-13.910	45.794	31.884	-11.616	43.500	QUASPEAK
3	* 374.350	-8.586	44.955	36.370	-9.630	46.000	QUASPEAK
4	500.450	-6.072	39.708	33.637	-12.363	46.000	QUASPEAK
5	624.933	-4.882	40.732	35.850	-10.150	46.000	QUASPEAK
6	749.417	-3.947	38.591	34.645	-11.355	46.000	QUASPEAK

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 : CB1	Time : 2011/08/04 - 19:09
Limit : FCC_CLASS_B_03M_QP	Margin : 6
Probe : CB1_FCC_EFS_30-1G(2010-12) - VERTICAL	Power : AC 120V/60Hz
EUT : Gigabit Wireless-N Router	Note : Mode 1: Transmit (Adapter: DVE, DSA-12G) -2437MHz,802.11n(40M)

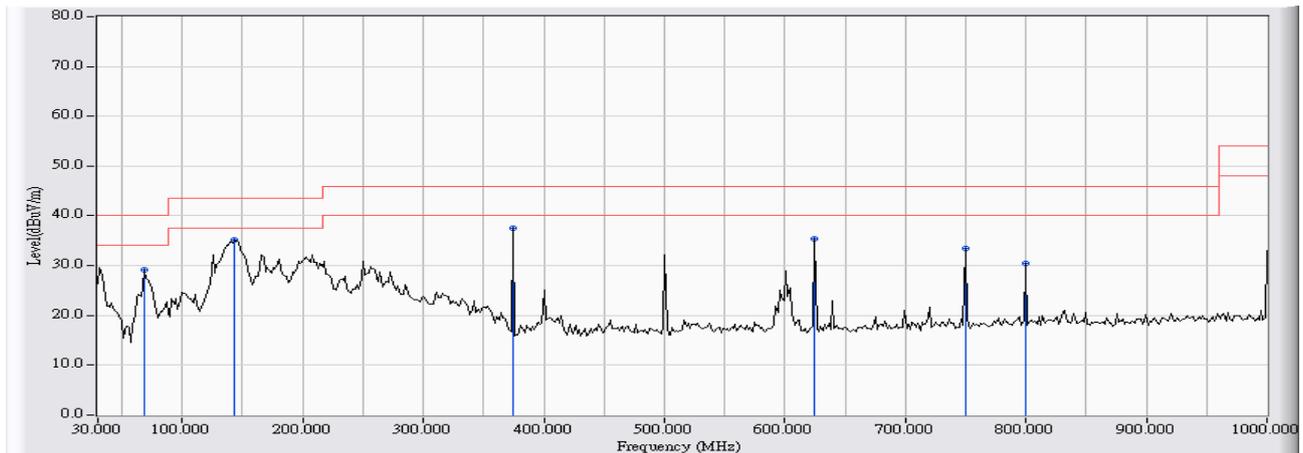


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	109.217	-13.124	47.182	34.058	-9.442	43.500	QUASPEAK
2		151.250	-13.910	42.346	28.436	-15.064	43.500	QUASPEAK
3		502.067	-6.050	23.652	17.602	-28.398	46.000	QUASPEAK
4		624.933	-4.882	36.877	31.995	-14.005	46.000	QUASPEAK
5		799.533	-3.355	36.865	33.510	-12.490	46.000	QUASPEAK

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 : CB1	Time : 2011/08/05 - 15:57
Limit : FCC_CLASS_B_03M_QP	Margin : 6
Probe : CB1_FCC_EFS_30-1G(2010-12) - HORIZONTAL	Power : AC 120V/60Hz
EUT : Gigabit Wireless-N Router	Note : Mode 2: Transmit (Adapter: Leader, MU12-G120100) -2437MHz,802.11b

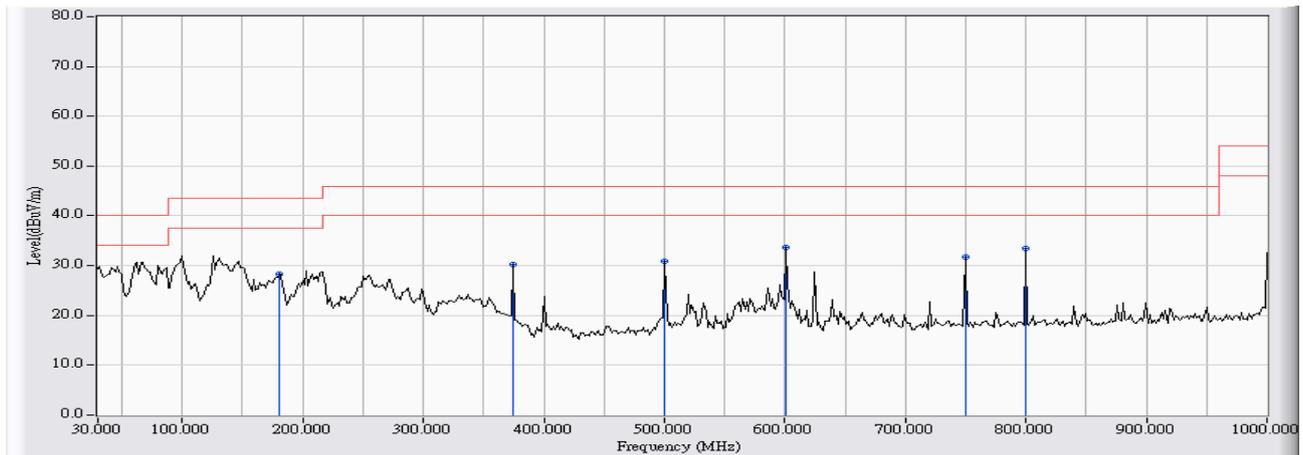


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	68.800	-18.159	47.228	29.068	-10.932	40.000	QUASPEAK
2	143.167	-13.505	48.578	35.073	-8.427	43.500	QUASPEAK
3	* 374.350	-8.586	46.176	37.591	-8.409	46.000	QUASPEAK
4	624.933	-4.882	40.340	35.458	-10.542	46.000	QUASPEAK
5	749.417	-3.947	37.422	33.476	-12.524	46.000	QUASPEAK
6	799.533	-3.355	33.763	30.408	-15.592	46.000	QUASPEAK

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 : CB1	Time : 2011/08/05 - 15:52
Limit : FCC_CLASS_B_03M_QP	Margin : 6
Probe : CB1_FCC_EFS_30-1G(2010-12) - VERTICAL	Power : AC 120V/60Hz
EUT : Gigabit Wireless-N Router	Note : Mode 2: Transmit (Adapter: Leader, MU12-G120100) -2437MHz,802.11b

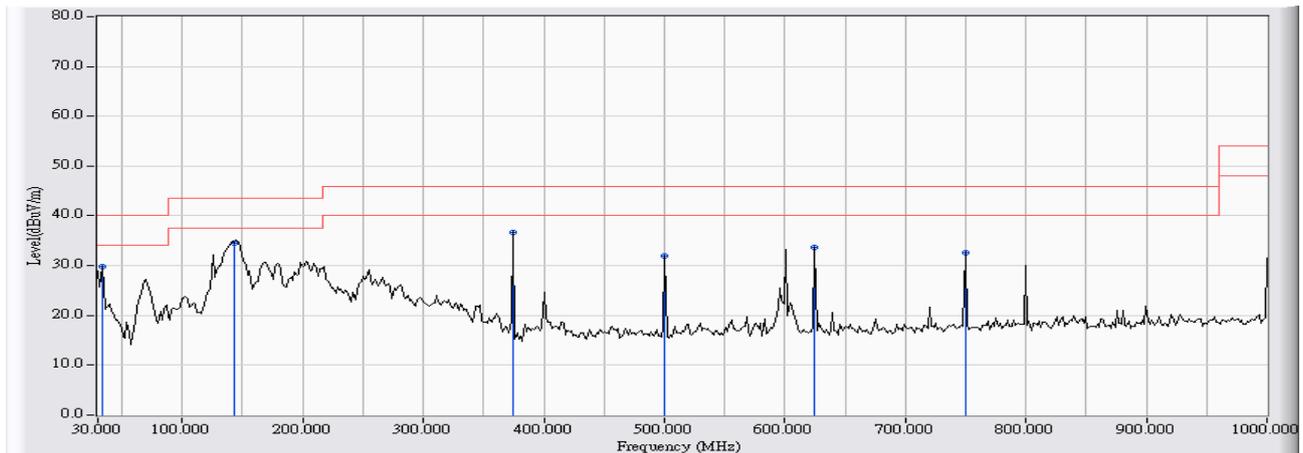


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	180.350	-15.115	43.378	28.263	-15.237	43.500	QUASPEAK
2	374.350	-8.586	38.754	30.169	-15.831	46.000	QUASPEAK
3	500.450	-6.072	37.009	30.938	-15.062	46.000	QUASPEAK
4	* 600.683	-5.025	38.688	33.662	-12.338	46.000	QUASPEAK
5	749.417	-3.947	35.639	31.693	-14.307	46.000	QUASPEAK
6	799.533	-3.355	36.876	33.521	-12.479	46.000	QUASPEAK

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 : CB1	Time : 2011/08/16 - 22:23
Limit : FCC_CLASS_B_03M_QP	Margin : 6
Probe : CB1_FCC_EFS_30-1G(2010-12) - HORIZONTAL	Power : AC 120V/60Hz
EUT : Gigabit Wireless-N Router	Note : Mode 2: Transmit (Adapter: Leader, MU12-G120100) -2437MHz,802.11g

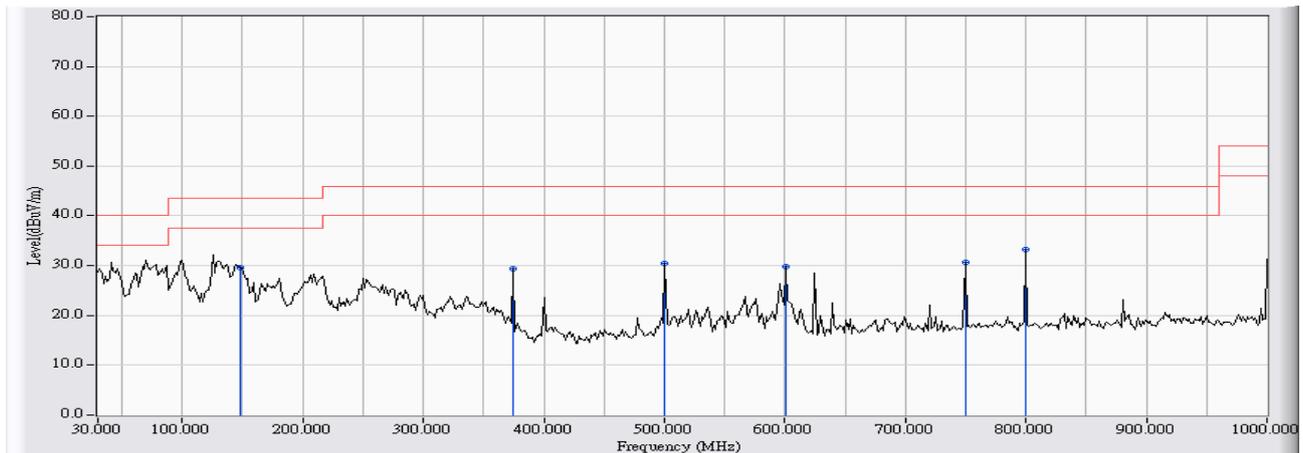


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	33.235	-10.905	40.637	29.732	-10.268	40.000	QUASPEAK
2	* 143.161	-13.505	47.997	34.492	-9.008	43.500	QUASPEAK
3	374.344	-8.586	45.351	36.765	-9.235	46.000	QUASPEAK
4	500.441	-6.072	37.958	31.886	-14.114	46.000	QUASPEAK
5	624.928	-4.882	38.523	33.641	-12.359	46.000	QUASPEAK
6	749.410	-3.947	36.655	32.708	-13.292	46.000	QUASPEAK

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 : CB1	Time : 2011/08/16 - 22:23
Limit : FCC_CLASS_B_03M_QP	Margin : 6
Probe : CB1_FCC_EFS_30-1G(2010-12) - VERTICAL	Power : AC 120V/60Hz
EUT : Gigabit Wireless-N Router	Note : Mode 2: Transmit (Adapter: Leader, MU12-G120100) -2437MHz,802.11g

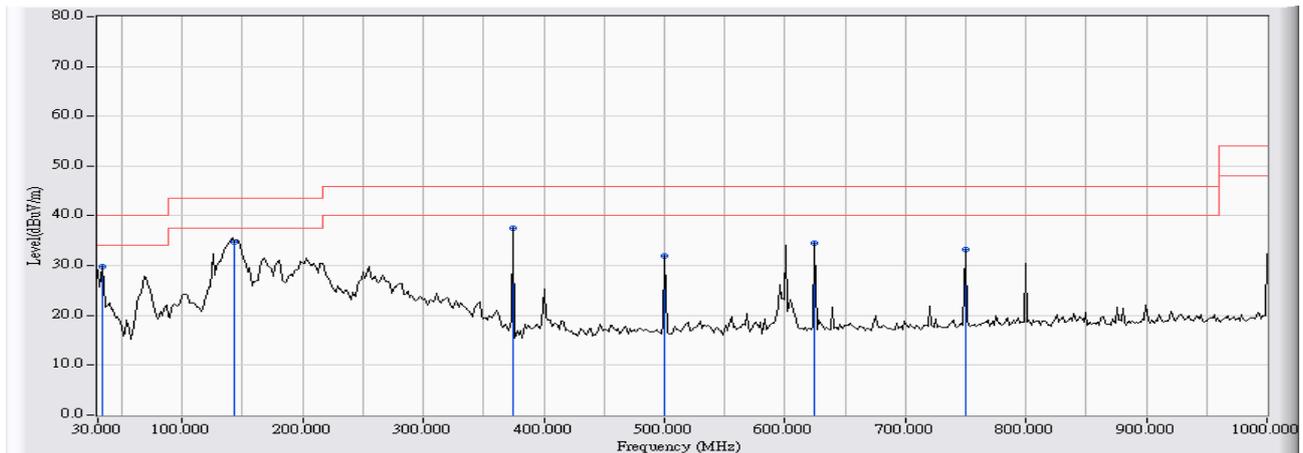


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	148.018	-13.749	43.400	29.651	-13.849	43.500	QUASPEAK
2	374.345	-8.586	37.939	29.353	-16.647	46.000	QUASPEAK
3	500.444	-6.072	36.522	30.450	-15.550	46.000	QUASPEAK
4	600.678	-5.025	34.885	29.860	-16.140	46.000	QUASPEAK
5	749.420	-3.947	34.670	30.723	-15.277	46.000	QUASPEAK
6	* 799.534	-3.355	36.569	33.214	-12.786	46.000	QUASPEAK

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 : CB1	Time : 2011/08/05 - 16:09
Limit : FCC_CLASS_B_03M_QP	Margin : 6
Probe : CB1_FCC_EFS_30-1G(2010-12) - HORIZONTAL	Power : AC 120V/60Hz
EUT : Gigabit Wireless-N Router	Note : Mode 2: Transmit (Adapter: Leader, MU12-G120100) -2437MHz,802.11n(20M)

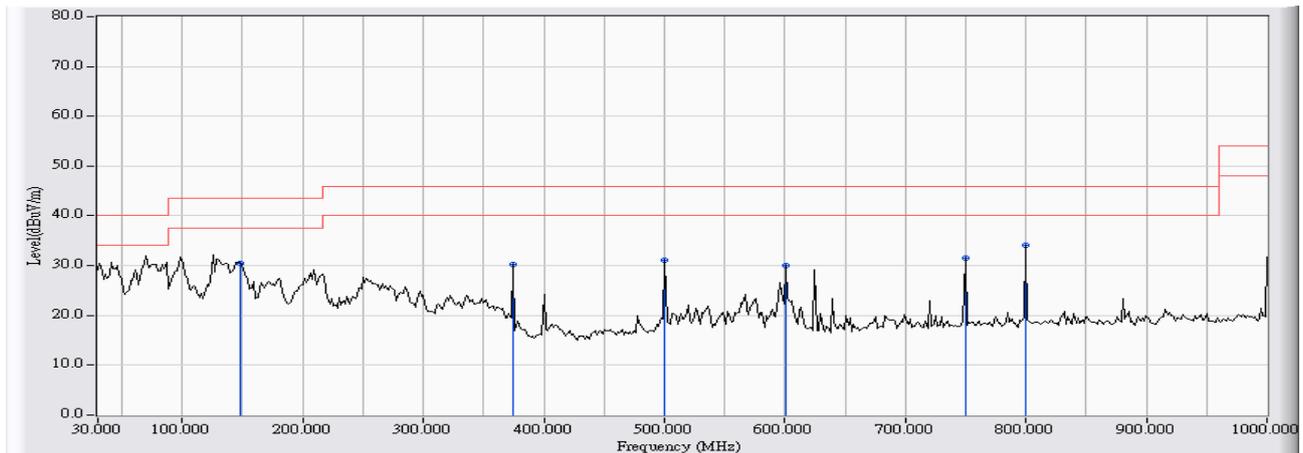


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	33.233	-10.905	40.803	29.898	-10.102	40.000	QUASPEAK
2	143.167	-13.505	48.247	34.742	-8.758	43.500	QUASPEAK
3	* 374.350	-8.586	46.153	37.568	-8.432	46.000	QUASPEAK
4	500.450	-6.072	38.048	31.977	-14.023	46.000	QUASPEAK
5	624.933	-4.882	39.495	34.613	-11.387	46.000	QUASPEAK
6	749.417	-3.947	37.262	33.316	-12.684	46.000	QUASPEAK

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 : CB1	Time : 2011/08/05 - 16:03
Limit : FCC_CLASS_B_03M_QP	Margin : 6
Probe : CB1_FCC_EFS_30-1G(2010-12) - VERTICAL	Power : AC 120V/60Hz
EUT : Gigabit Wireless-N Router	Note : Mode 2: Transmit (Adapter: Leader, MU12-G120100) -2437MHz,802.11n(20M)

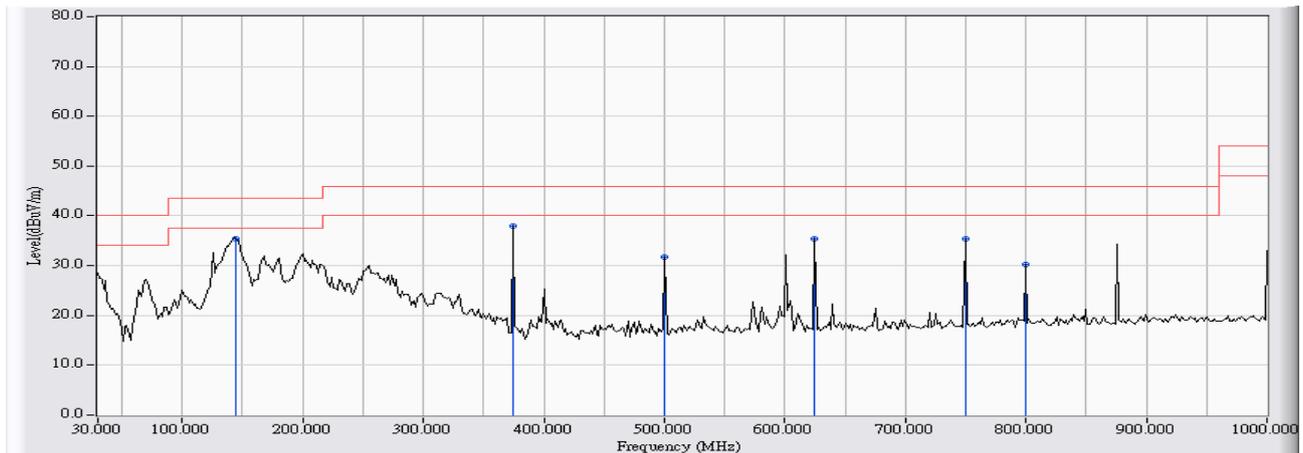


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	148.017	-13.749	44.226	30.477	-13.023	43.500	QUASPEAK
2	374.350	-8.586	38.804	30.219	-15.781	46.000	QUASPEAK
3	500.450	-6.072	37.148	31.077	-14.923	46.000	QUASPEAK
4	600.683	-5.025	35.054	30.028	-15.972	46.000	QUASPEAK
5	749.417	-3.947	35.435	31.489	-14.511	46.000	QUASPEAK
6	* 799.533	-3.355	37.477	34.122	-11.878	46.000	QUASPEAK

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 : CB1	Time : 2011/08/05 - 16:26
Limit : FCC_CLASS_B_03M_QP	Margin : 6
Probe : CB1_FCC_EFS_30-1G(2010-12) - HORIZONTAL	Power : AC 120V/60Hz
EUT : Gigabit Wireless-N Router	Note : Mode 2: Transmit (Adapter: Leader, MU12-G120100) -2437MHz,802.11n(40M)

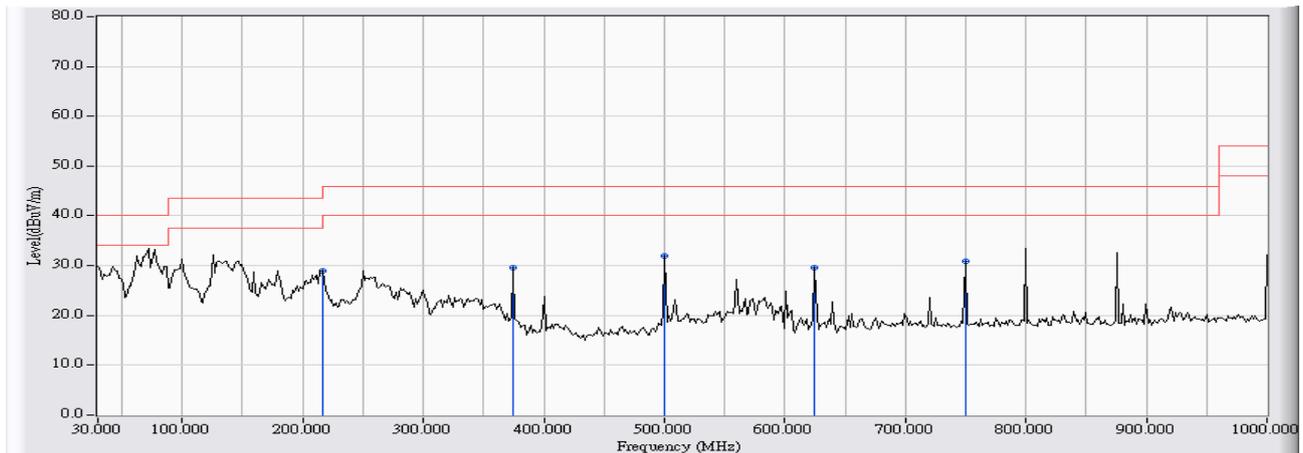


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	144.783	-13.586	48.955	35.369	-8.131	43.500	QUASPEAK
2	* 374.350	-8.586	46.652	38.067	-7.933	46.000	QUASPEAK
3	500.450	-6.072	37.727	31.656	-14.344	46.000	QUASPEAK
4	624.933	-4.882	40.189	35.307	-10.693	46.000	QUASPEAK
5	749.417	-3.947	39.256	35.310	-10.690	46.000	QUASPEAK
6	799.533	-3.355	33.571	30.216	-15.784	46.000	QUASPEAK

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 : CB1	Time : 2011/08/05 - 16:19
Limit : FCC_CLASS_B_03M_QP	Margin : 6
Probe : CB1_FCC_EFS_30-1G(2010-12) - VERTICAL	Power : AC 120V/60Hz
EUT : Gigabit Wireless-N Router	Note : Mode 2: Transmit (Adapter: Leader, MU12-G120100) -2437MHz,802.11n(40M)



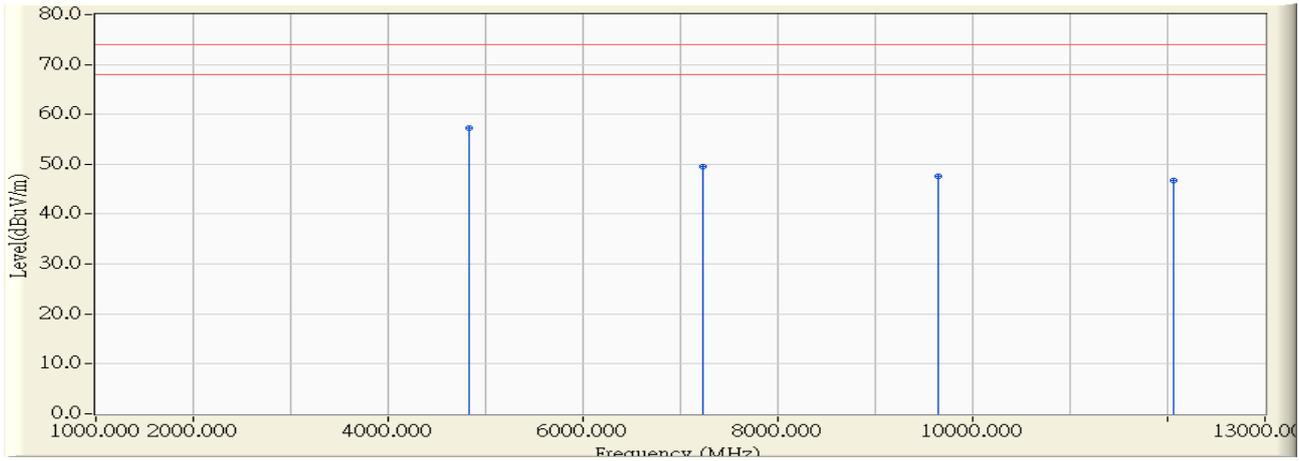
	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	215.917	-13.954	42.816	28.863	-14.637	43.500	QUASPEAK
2	374.350	-8.586	38.258	29.673	-16.327	46.000	QUASPEAK
3	* 500.450	-6.072	38.121	32.050	-13.950	46.000	QUASPEAK
4	624.933	-4.882	34.386	29.504	-16.496	46.000	QUASPEAK
5	749.417	-3.947	34.869	30.923	-15.077	46.000	QUASPEAK

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 : CB1	Time : 2011/08/04 - 15:40
Limit : FCC_SpartC_15.247_H_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G(2011-05) - HORIZONTAL	Power : AC 120V/60Hz
EUT : Gigabit Wireless-N Router	Note : Mode 1: Transmit (Adapter: DVE, DSA-12G) -2412MHz,802.11b

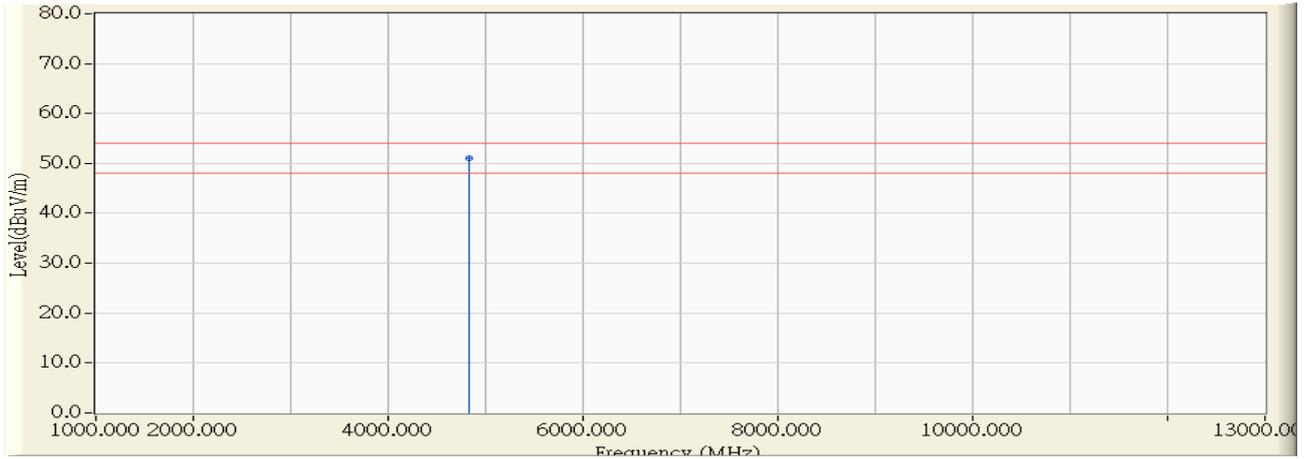


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	4824.080	-1.503	58.670	57.168	-16.832	74.000	PEAK
2		7235.880	4.758	44.690	49.447	-24.553	74.000	PEAK
3		9648.320	8.206	39.320	47.526	-26.474	74.000	PEAK
4		12060.080	10.225	36.610	46.835	-27.165	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.
7. The Emission above 13GHz were not included is because their levels are too low.

Site : CB1	Time : 2011/08/04 - 15:42
Limit : FCC_SpartC_15.247_H_03M_AV	Margin : 6
Probe : CB1_FCC_EFS_1-18G(2011-05) - HORIZONTAL	Power : AC 120V/60Hz
EUT : Gigabit Wireless-N Router	Note : Mode 1: Transmit (Adapter: DVE, DSA-12G)-2412MHz,802.11b

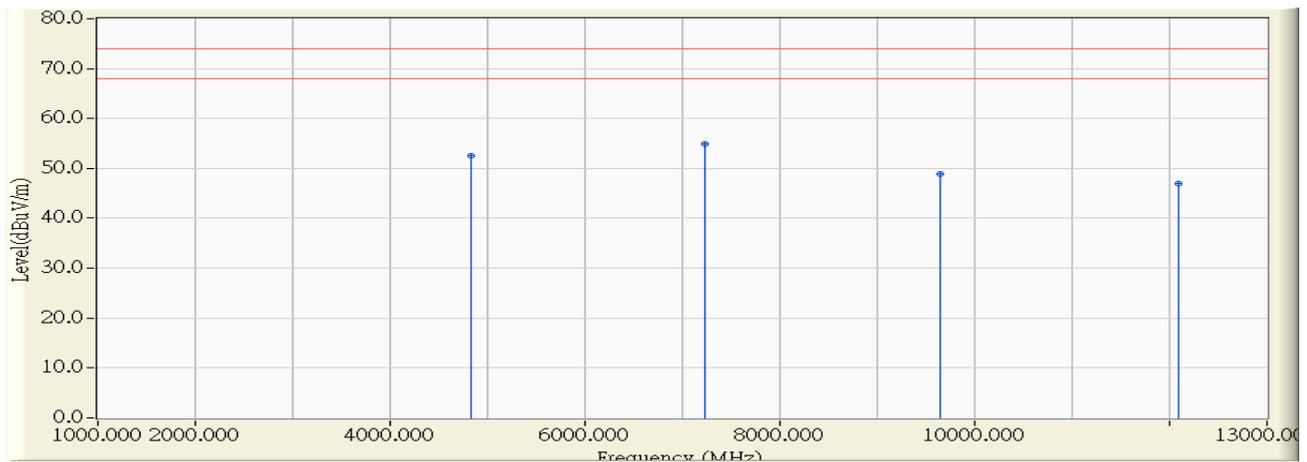


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	4824.000	-1.503	52.590	51.088	-2.912	54.000	AVERAGE

Note:

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

Site : CB1	Time : 2011/08/04 - 14:51
Limit : FCC_SpartC_15.247_H_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G(2011-05) - VERTICAL	Power : AC 120V/60Hz
EUT : Gigabit Wireless-N Router	Note : Mode 1: Transmit (Adapter: DVE, DSA-12G)-2412MHz,802.11b

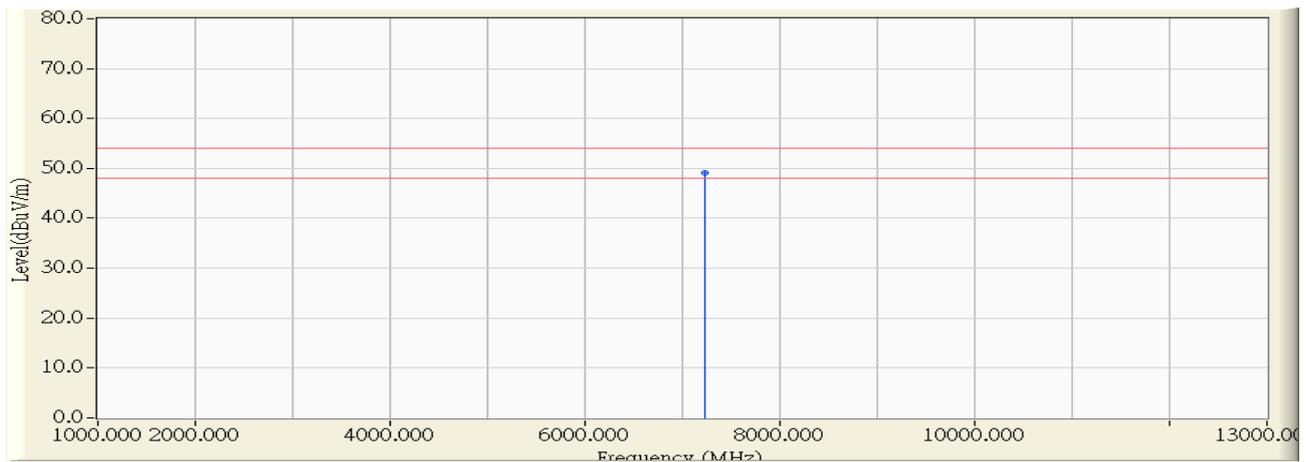


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	4823.960	-1.503	53.950	52.447	-21.553	74.000	PEAK
2	* 7235.840	4.757	50.090	54.847	-19.153	74.000	PEAK
3	9648.320	8.206	40.790	48.996	-25.004	74.000	PEAK
4	12089.840	10.228	36.740	46.968	-27.032	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.
7. The Emission above 13GHz were not included is because their levels are too low.

Site : CB1	Time : 2011/08/04 - 15:29
Limit : FCC_SpartC_15.247_H_03M_AV	Margin : 6
Probe : CB1_FCC_EFS_1-18G(2011-05) - VERTICAL	Power : AC 120V/60Hz
EUT : Gigabit Wireless-N Router	Note : Mode 1: Transmit (Adapter: DVE, DSA-12G) -2412MHz,802.11b

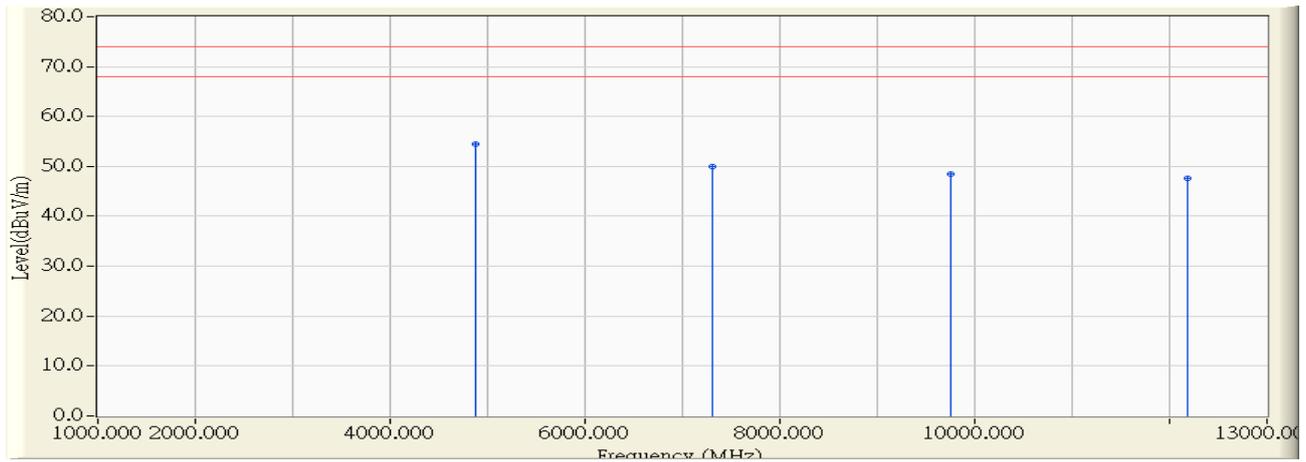


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	7236.640	4.758	44.450	49.209	-4.791	54.000	AVERAGE

Note:

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

Site : CB1	Time : 2011/08/04 - 16:23
Limit : FCC_SpartC_15.247_H_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G(2011-05) - HORIZONTAL	Power : AC 120V/60Hz
EUT : Gigabit Wireless-N Router	Note : Mode 1: Transmit (Adapter: DVE, DSA-12G) -2437MHz,802.11b

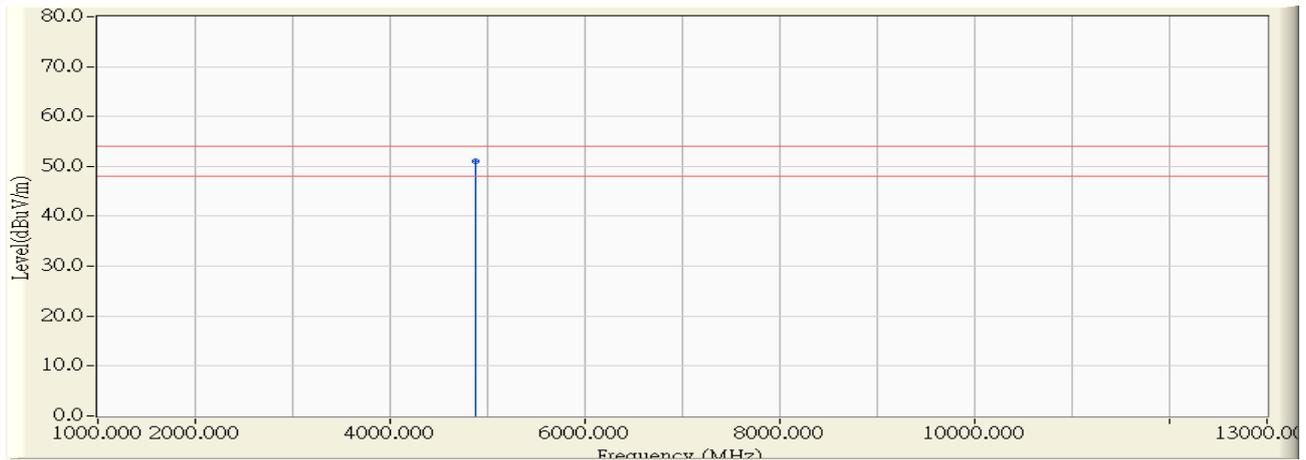


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	4874.000	-1.395	55.860	54.465	-19.535	74.000	PEAK
2		7310.920	4.895	45.060	49.955	-24.045	74.000	PEAK
3		9748.840	8.855	39.620	48.475	-25.525	74.000	PEAK
4		12187.360	10.238	37.350	47.588	-26.412	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.
7. The Emission above 13GHz were not included is because their levels are too low.

Site : CB1	Time : 2011/08/04 - 16:13
Limit : FCC_SpartC_15.247_H_03M_AV	Margin : 6
Probe : CB1_FCC_EFS_1-18G(2011-05) - HORIZONTAL	Power : AC 120V/60Hz
EUT : Gigabit Wireless-N Router	Note : Mode 1: Transmit (Adapter: DVE, DSA-12G) -2437MHz,802.11b

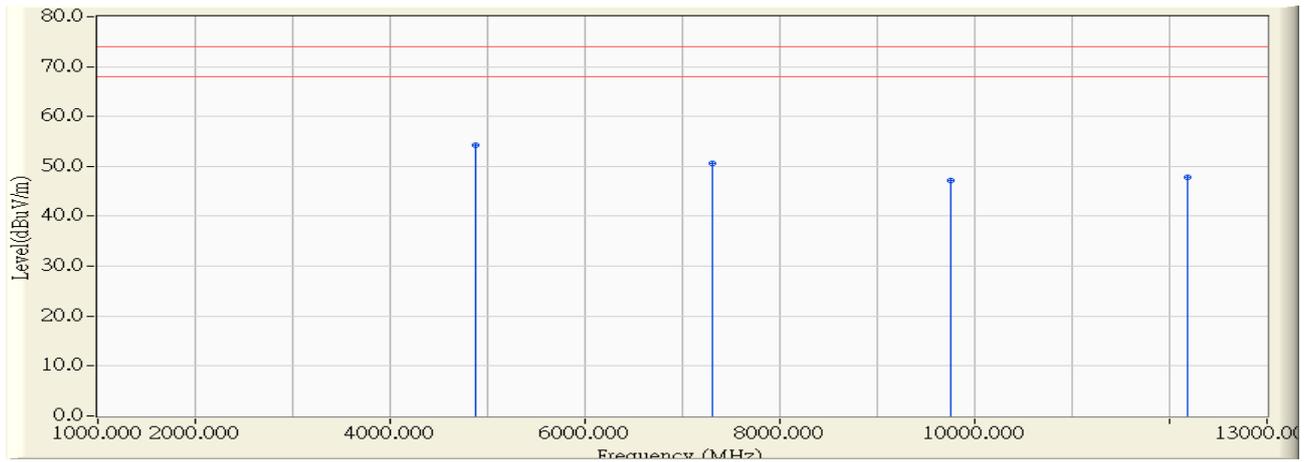


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	4873.960	-1.395	52.450	51.055	-2.945	54.000	AVERAGE

Note:

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

Site : CB1	Time : 2011/08/04 - 16:01
Limit : FCC_SpartC_15.247_H_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G(2011-05) - VERTICAL	Power : AC 120V/60Hz
EUT : Gigabit Wireless-N Router	Note : Mode 1: Transmit (Adapter: DVE, DSA-12G) -2437MHz,802.11b

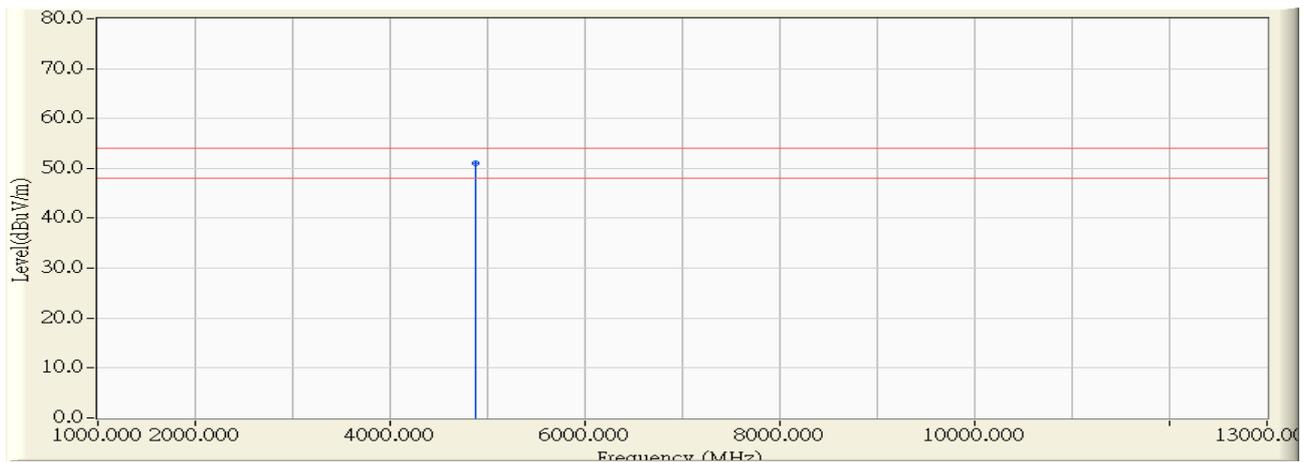


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	4873.960	-1.395	55.560	54.165	-19.835	74.000	PEAK
2		7310.800	4.895	45.710	50.605	-23.395	74.000	PEAK
3		9748.000	8.849	38.380	47.229	-26.771	74.000	PEAK
4		12181.800	10.237	37.620	47.857	-26.143	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.
7. The Emission above 13GHz were not included is because their levels are too low.

Site : CB1	Time : 2011/08/04 - 16:02
Limit : FCC_SpartC_15.247_H_03M_AV	Margin : 6
Probe : CB1_FCC_EFS_1-18G(2011-05) - VERTICAL	Power : AC 120V/60Hz
EUT : Gigabit Wireless-N Router	Note : Mode 1: Transmit (Adapter: DVE, DSA-12G) -2437MHz,802.11b

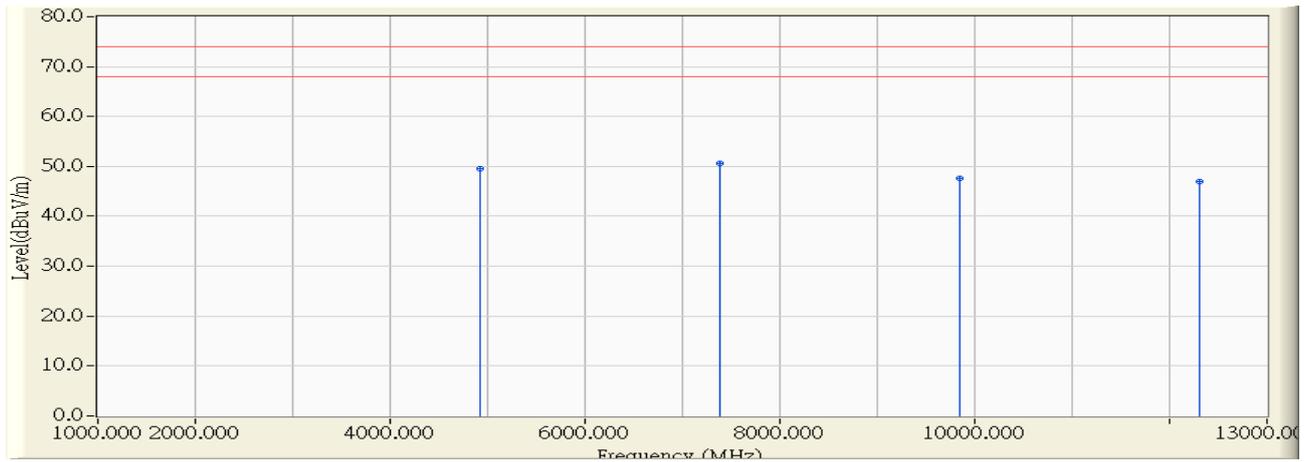


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	4873.960	-1.395	52.420	51.025	-2.975	54.000	AVERAGE

Note:

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

Site : CB1	Time : 2011/08/04 - 16:48
Limit : FCC_SpartC_15.247_H_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G(2011-05) - HORIZONTAL	Power : AC 120V/60Hz
EUT : Gigabit Wireless-N Router	Note : Mode 1: Transmit (Adapter: DVE, DSA-12G) -2462MHz,802.11b

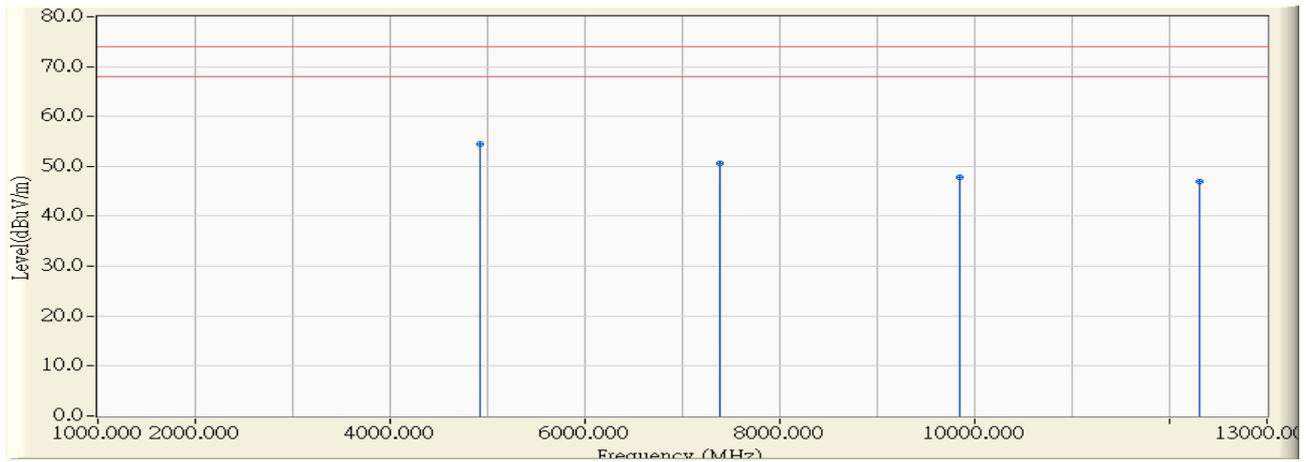


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	4924.040	-1.287	50.810	49.523	-24.477	74.000	PEAK
2	* 7384.840	5.031	45.590	50.621	-23.379	74.000	PEAK
3	9848.000	9.495	38.160	47.655	-26.345	74.000	PEAK
4	12309.840	10.250	36.680	46.930	-27.070	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.
7. The Emission above 13GHz were not included is because their levels are too low.

Site : CB1	Time : 2011/08/04 - 16:32
Limit : FCC_SpartC_15.247_H_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G(2011-05) - VERTICAL	Power : AC 120V/60Hz
EUT : Gigabit Wireless-N Router	Note : Mode 1: Transmit (Adapter: DVE, DSA-12G) -2462MHz,802.11b

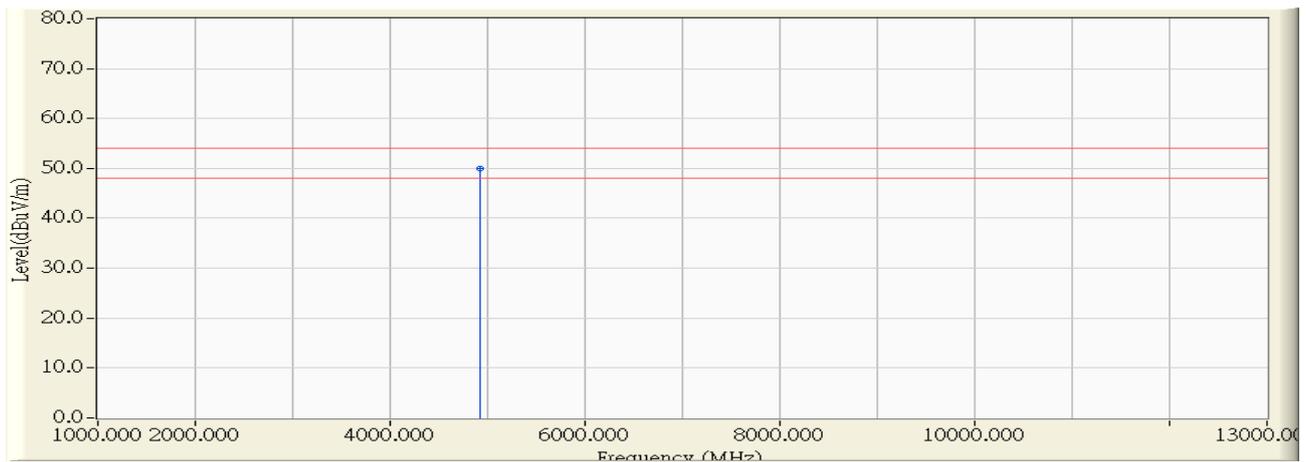


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	4923.880	-1.287	55.760	54.473	-19.527	74.000	PEAK
2		7385.840	5.033	45.600	50.632	-23.368	74.000	PEAK
3		9847.960	9.495	38.350	47.844	-26.156	74.000	PEAK
4		12311.480	10.251	36.670	46.920	-27.080	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.
7. The Emission above 13GHz were not included is because their levels are too low.

Site : CB1	Time : 2011/08/04 - 16:34
Limit : FCC_SpartC_15.247_H_03M_AV	Margin : 6
Probe : CB1_FCC_EFS_1-18G(2011-05) - VERTICAL	Power : AC 120V/60Hz
EUT : Gigabit Wireless-N Router	Note : Mode 1: Transmit (Adapter: DVE, DSA-12G) -2462MHz,802.11b

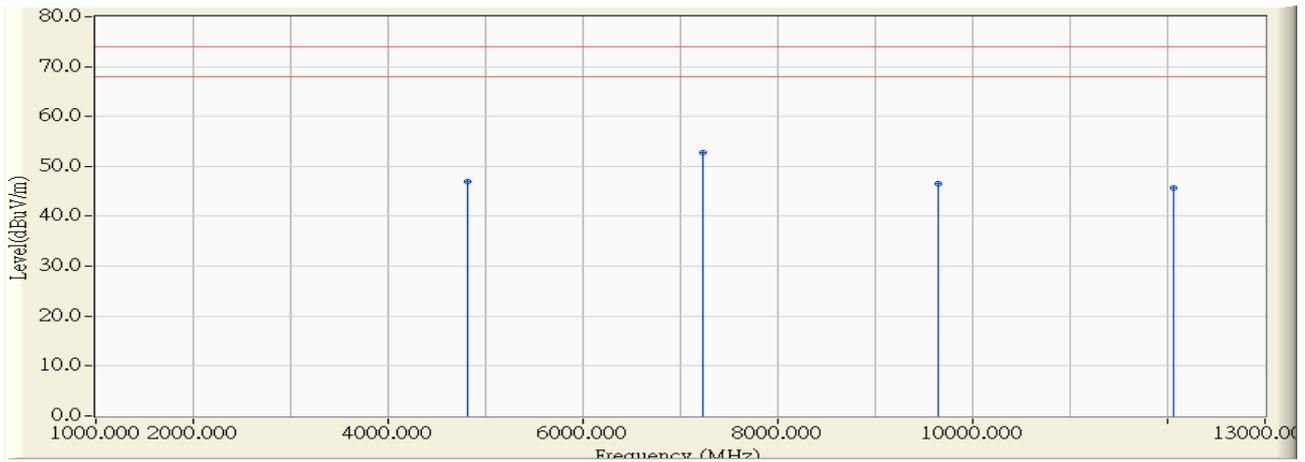


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	4923.880	-1.287	51.250	49.963	-4.037	54.000	AVERAGE

Note:

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

Site : CB1	Time : 2011/08/04 - 17:04
Limit : FCC_SpartC_15.247_H_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G(2011-05) - HORIZONTAL	Power : AC 120V/60Hz
EUT : Gigabit Wireless-N Router	Note : Mode 1: Transmit (Adapter: DVE, DSA-12G) -2412MHz,802.11g

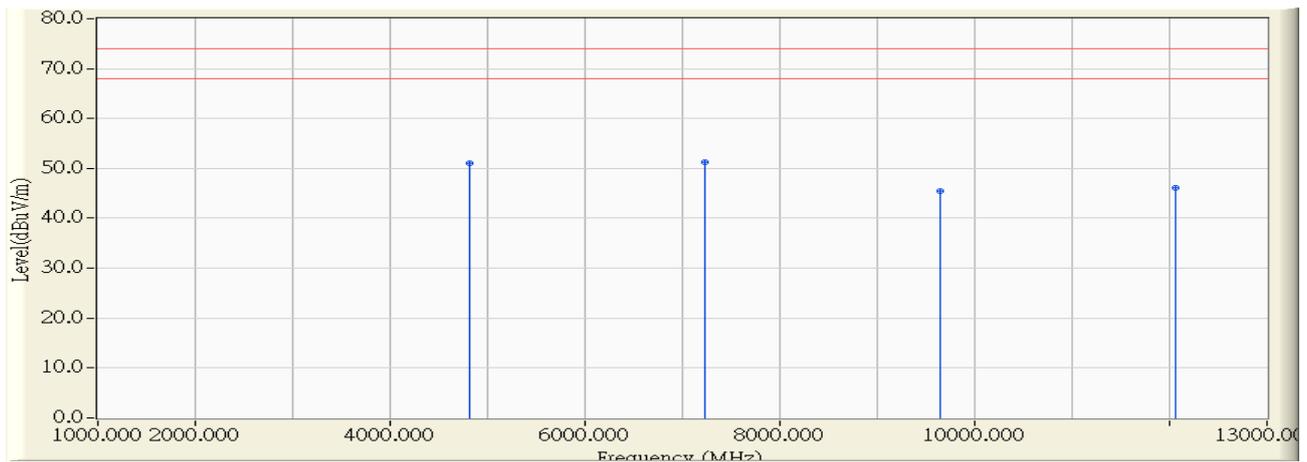


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	4821.920	-1.507	48.580	47.073	-26.927	74.000	PEAK
2	* 7234.200	4.753	48.040	52.794	-21.206	74.000	PEAK
3	9647.400	8.200	38.290	46.490	-27.510	74.000	PEAK
4	12060.300	10.225	35.520	45.745	-28.255	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.
7. The Emission above 13GHz were not included is because their levels are too low.

Site : CB1	Time : 2011/08/04 - 17:14
Limit : FCC_SpartC_15.247_H_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G(2011-05) - VERTICAL	Power : AC 120V/60Hz
EUT : Gigabit Wireless-N Router	Note : Mode 1: Transmit (Adapter: DVE, DSA-12G) -2412MHz,802.11g

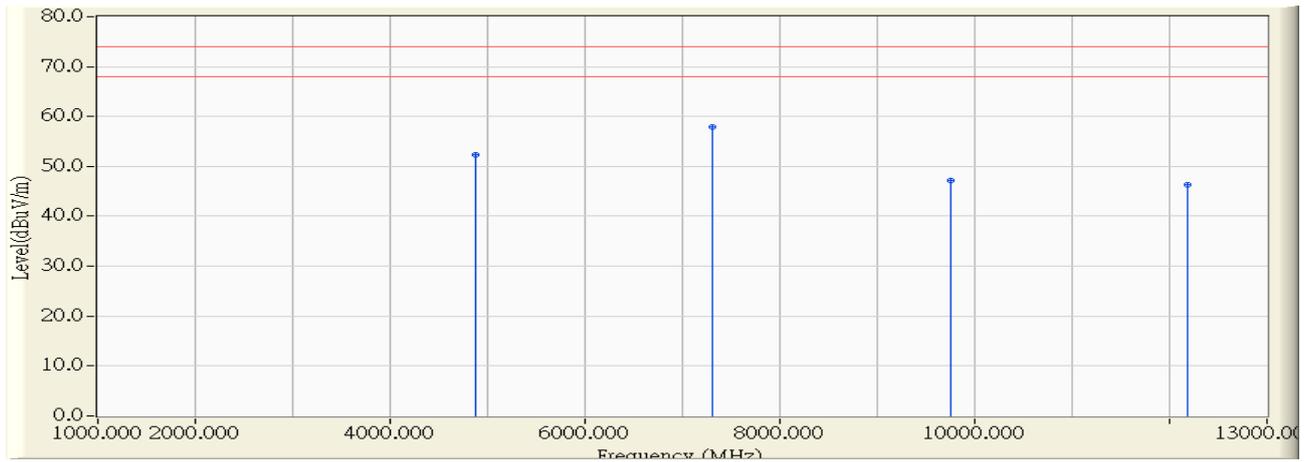


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	4821.700	-1.507	52.450	50.943	-23.057	74.000	PEAK
2	* 7233.800	4.753	46.540	51.293	-22.707	74.000	PEAK
3	9648.500	8.207	37.320	45.527	-28.473	74.000	PEAK
4	12060.700	10.225	35.890	46.115	-27.885	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.
7. The Emission above 13GHz were not included is because their levels are too low.

Site : CB1	Time : 2011/08/04 - 18:58
Limit : FCC_SpartC_15.247_H_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G(2011-05) - HORIZONTAL	Power : AC 120V/60Hz
EUT : Gigabit Wireless-N Router	Note : Mode 1: Transmit (Adapter: DVE, DSA-12G) -2437MHz,802.11g

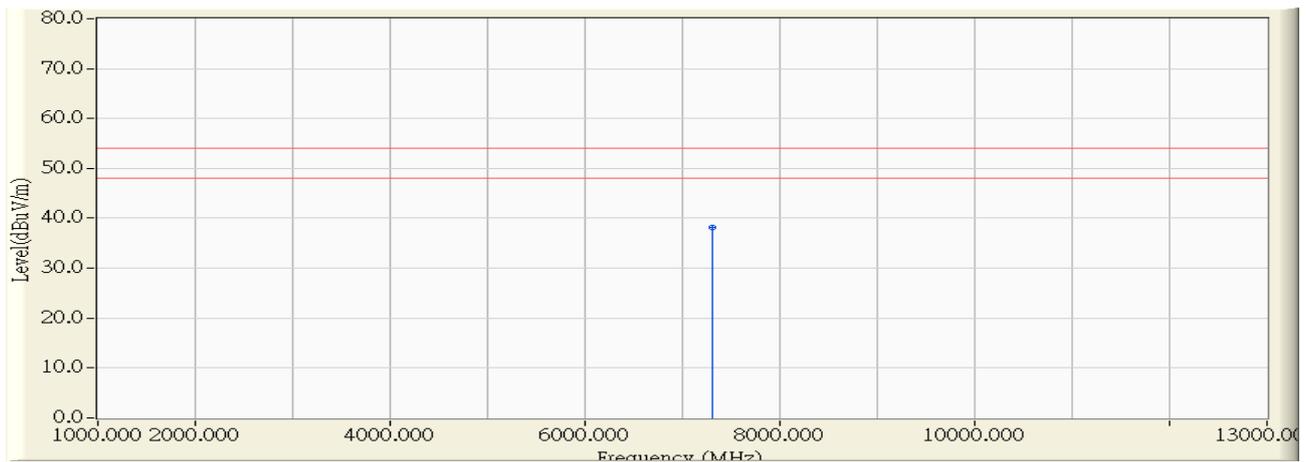


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	4875.900	-1.39	53.670	52.280	-21.720	74.000	PEAK
2	* 7308.900	4.891	53.070	57.961	-16.039	74.000	PEAK
3	9748.000	8.849	38.290	47.139	-26.861	74.000	PEAK
4	12185.600	10.238	36.040	46.278	-27.722	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.
7. The Emission above 13GHz were not included is because their levels are too low.

Site : CB1	Time : 2011/08/04 - 18:43
Limit : FCC_SpartC_15.247_H_03M_AV	Margin : 6
Probe : CB1_FCC_EFS_1-18G(2011-05) - HORIZONTAL	Power : AC 120V/60Hz
EUT : Gigabit Wireless-N Router	Note : Mode 1: Transmit (Adapter: DVE, DSA-12G) -2437MHz,802.11g

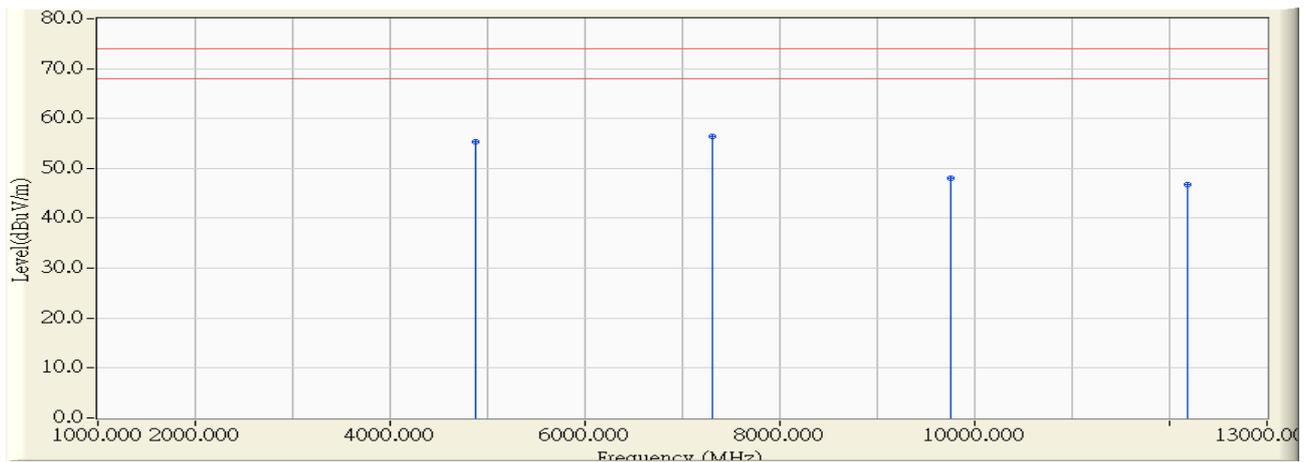


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	7309.900	4.893	33.360	38.253	-15.747	54.000	AVERAGE

Note:

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

Site : CB1	Time : 2011/08/04 - 17:32
Limit : FCC_SpartC_15.247_H_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G(2011-05) - VERTICAL	Power : AC 120V/60Hz
EUT : Gigabit Wireless-N Router	Note : Mode 1: Transmit (Adapter: DVE, DSA-12G) -2437MHz,802.11g

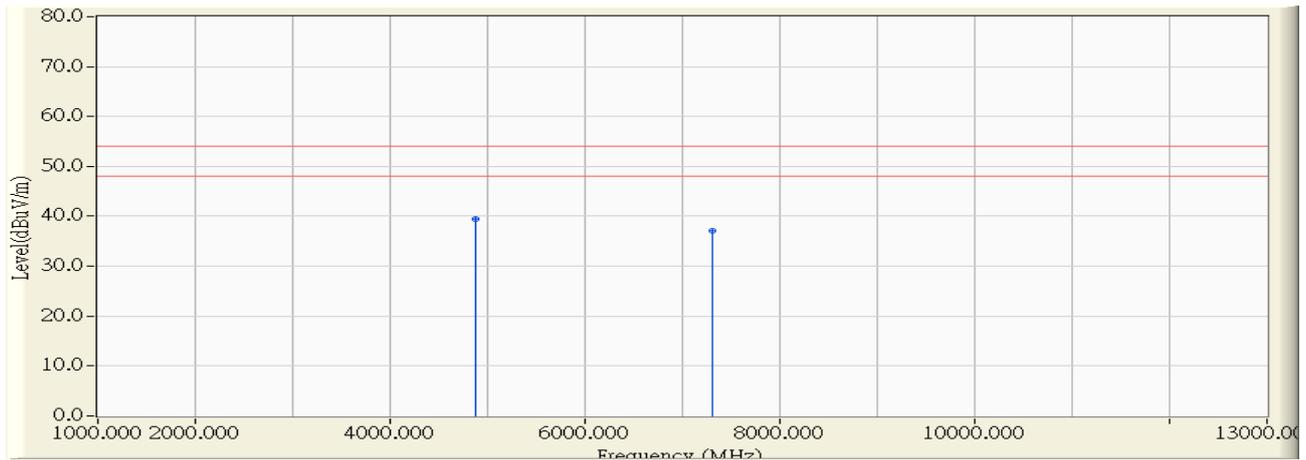


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	4874.000	-1.395	56.630	55.235	-18.765	74.000	PEAK
2	* 7311.300	4.896	51.560	56.456	-17.544	74.000	PEAK
3	9747.300	8.845	39.300	48.145	-25.855	74.000	PEAK
4	12185.500	10.238	36.420	46.658	-27.342	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.
7. The Emission above 13GHz were not included is because their levels are too low.

Site : CB1	Time : 2011/08/04 - 17:42
Limit : FCC_SpartC_15.247_H_03M_AV	Margin : 6
Probe : CB1_FCC_EFS_1-18G(2011-05) - VERTICAL	Power : AC 120V/60Hz
EUT : Gigabit Wireless-N Router	Note : Mode 1: Transmit (Adapter: DVE, DSA-12G) -2437MHz,802.11g

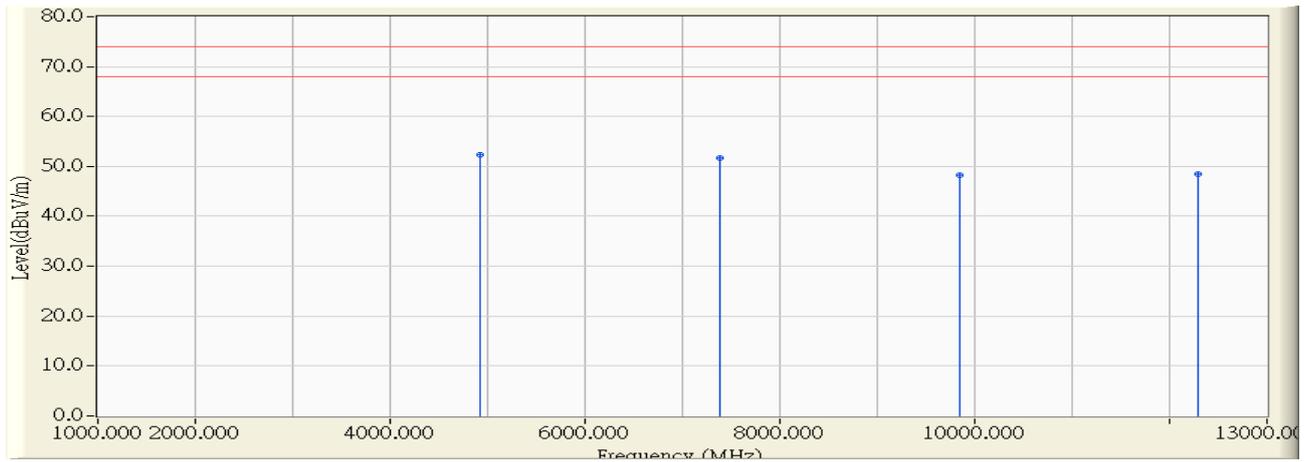


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	4874.000	-1.395	40.770	39.375	-14.625	54.000	AVERAGE
2		7309.600	4.892	32.250	37.143	-16.857	54.000	AVERAGE

Note:

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

Site : CB1	Time : 2011/08/22 - 16:18
Limit : FCC_SpartC_15.247_H_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G(2011-05) - HORIZONTAL	Power : AC 120V/60Hz
EUT : Gigabit Wireless-N Router	Note : Mode 1: Transmit (Adapter: DVE, DSA-12G) -2462MHz,802.11g

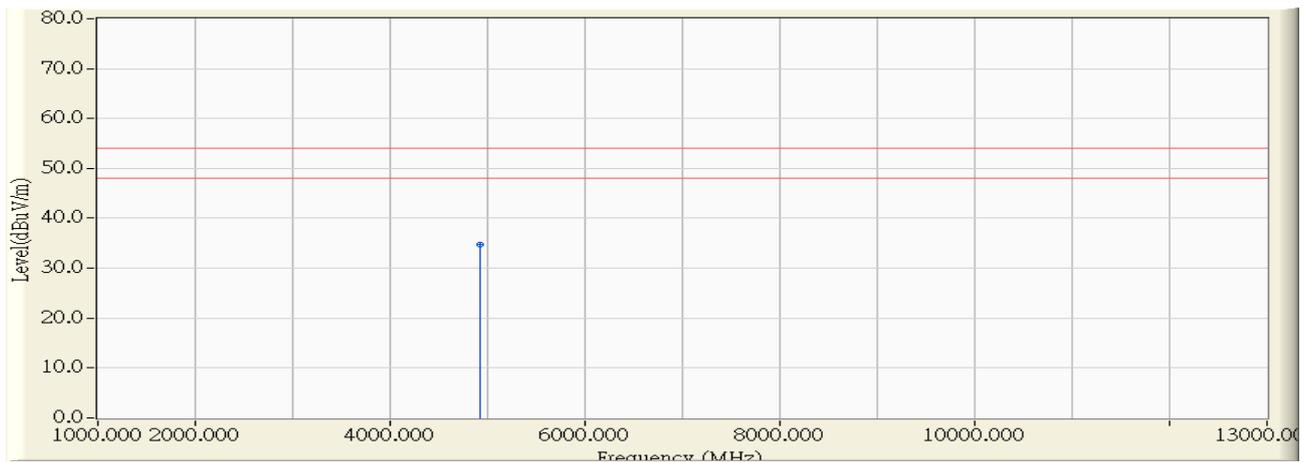


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	4925.500	-1.283	53.620	52.337	-21.663	74.000	PEAK
2		7385.200	5.031	46.660	51.691	-22.309	74.000	PEAK
3		9847.900	9.494	38.750	48.244	-25.756	74.000	PEAK
4		12298.200	10.250	38.270	48.519	-25.481	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.
7. The Emission above 13GHz were not included is because their levels are too low.

Site : CB1	Time : 2011/08/22 - 16:20
Limit : FCC_SpartC_15.247_H_03M_AV	Margin : 6
Probe : CB1_FCC_EFS_1-18G(2011-05) - HORIZONTAL	Power : AC 120V/60Hz
EUT : Gigabit Wireless-N Router	Note : Mode 1: Transmit (Adapter: DVE, DSA-12G) -2462MHz,802.11g

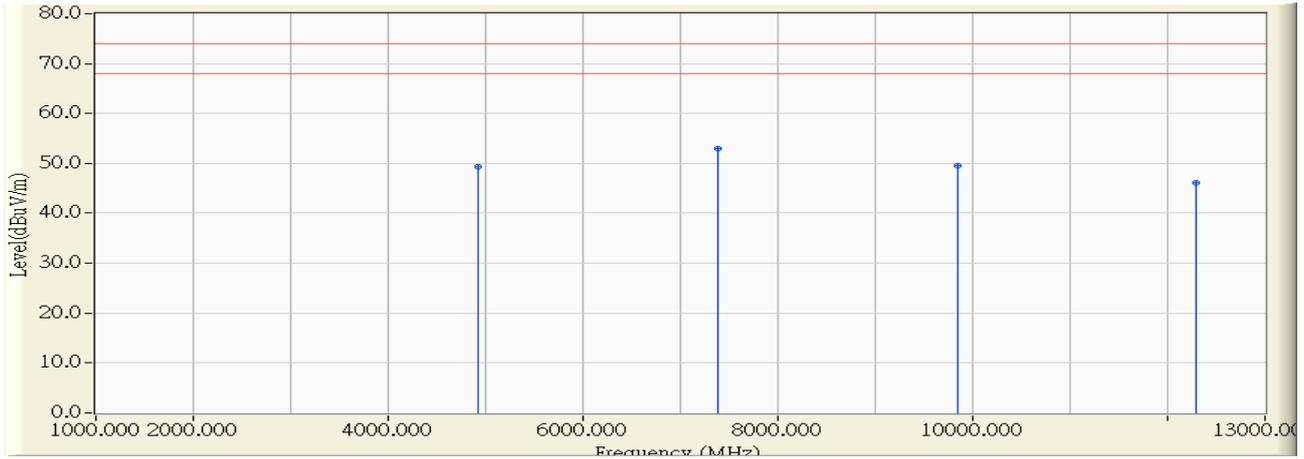


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	4923.900	-1.287	35.980	34.693	-19.307	54.000	AVERAGE

Note:

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

Site : CB1	Time : 2011/08/22 - 16:32
Limit : FCC_SpartC_15.247_H_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G(2011-05) - VERTICAL	Power : AC 120V/60Hz
EUT : Gigabit Wireless-N Router	Note : Mode 1: Transmit (Adapter: DVE, DSA-12G) -2462MHz,802.11g

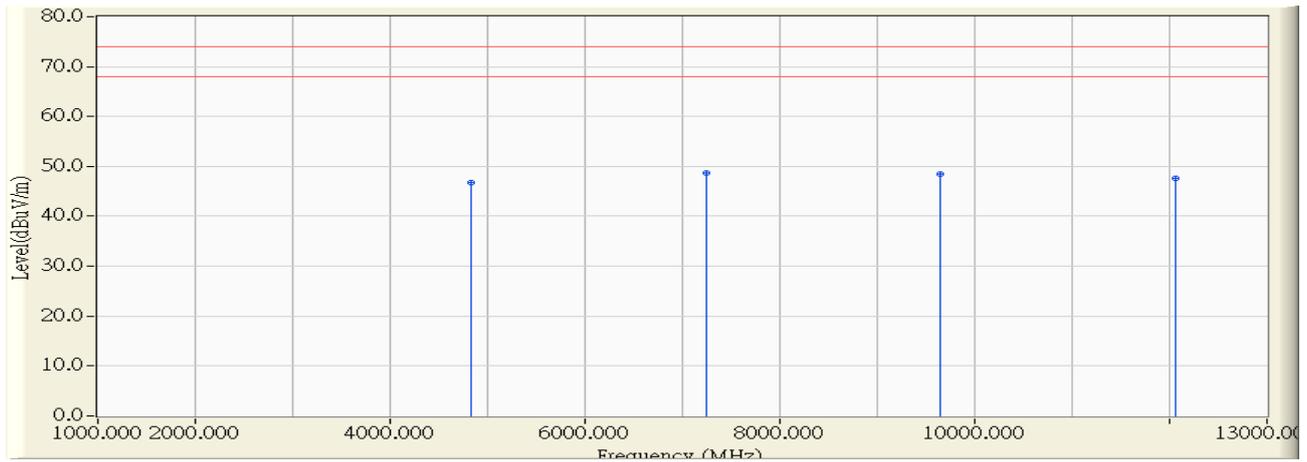


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	4925.400	-1.283	50.690	49.406	-24.594	74.000	PEAK
2	* 7384.700	5.030	47.840	52.870	-21.130	74.000	PEAK
3	9848.200	9.496	40.010	49.506	-24.494	74.000	PEAK
4	12285.000	10.248	35.950	46.198	-27.802	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.
7. The Emission above 13GHz were not included is because their levels are too low.

Site : CB1	Time : 2011/08/22 - 16:45
Limit : FCC_SpartC_15.247_H_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G(2011-05) - HORIZONTAL	Power : AC 120V/60Hz
EUT : Gigabit Wireless-N Router	Note : Mode 1: Transmit (Adapter: DVE, DSA-12G) -2412MHz,802.11n20M

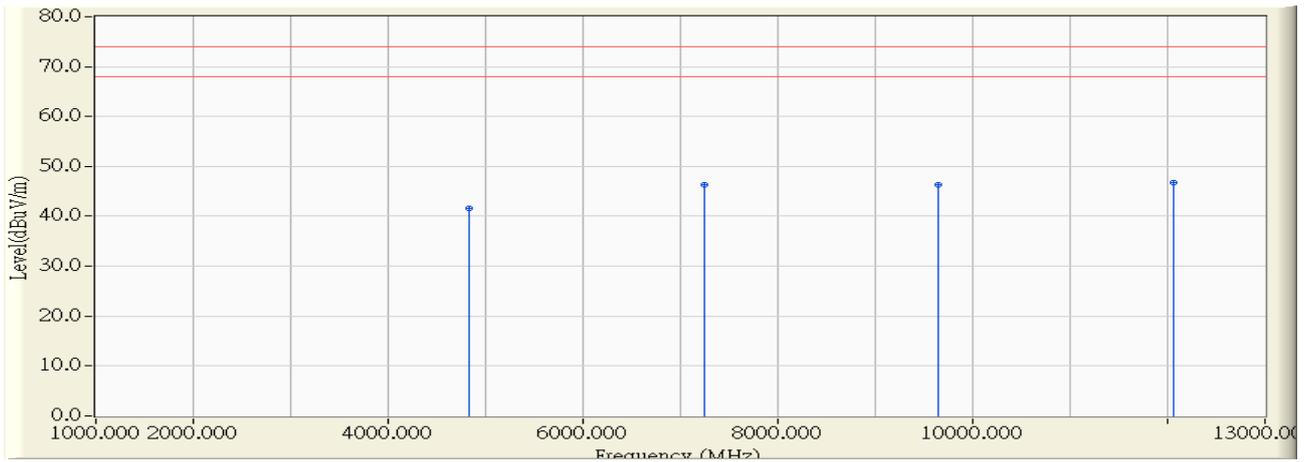


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	4824.000	-1.503	48.200	46.698	-27.302	74.000	PEAK
2	* 7240.000	4.765	43.930	48.695	-25.305	74.000	PEAK
3	9648.000	8.204	40.230	48.434	-25.566	74.000	PEAK
4	12060.000	10.225	37.440	47.665	-26.335	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.
7. The Emission above 13GHz were not included is because their levels are too low.

Site : CB1	Time : 2011/08/22 - 16:40
Limit : FCC_SpartC_15.247_H_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G(2011-05) - VERTICAL	Power : AC 120V/60Hz
EUT : Gigabit Wireless-N Router	Note : Mode 1: Transmit (Adapter: DVE, DSA-12G) -2412MHz,802.11n20M

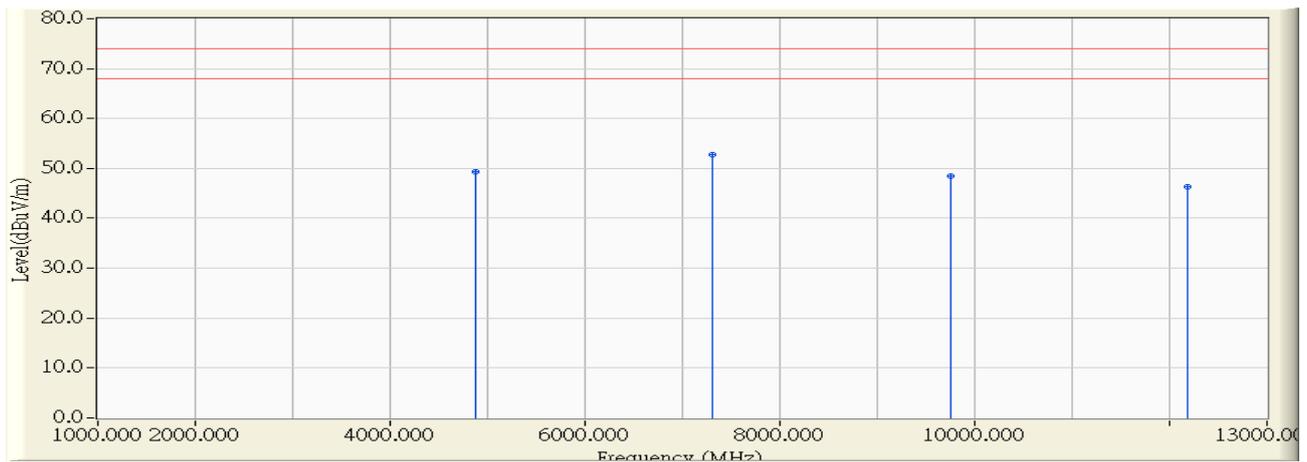


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	4824.000	-1.503	43.110	41.608	-32.392	74.000	PEAK
2	7240.000	4.765	41.490	46.255	-27.745	74.000	PEAK
3	9648.000	8.204	38.110	46.314	-27.686	74.000	PEAK
4	* 12060.000	10.225	36.580	46.805	-27.195	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.
7. The Emission above 13GHz were not included is because their levels are too low.

Site : CB1	Time : 2011/08/04 - 19:35
Limit : FCC_SpartC_15.247_H_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G(2011-05) - HORIZONTAL	Power : AC 120V/60Hz
EUT : Gigabit Wireless-N Router	Note : Mode 1: Transmit (Adapter: DVE, DSA-12G) -2437MHz,802.11n(20M)

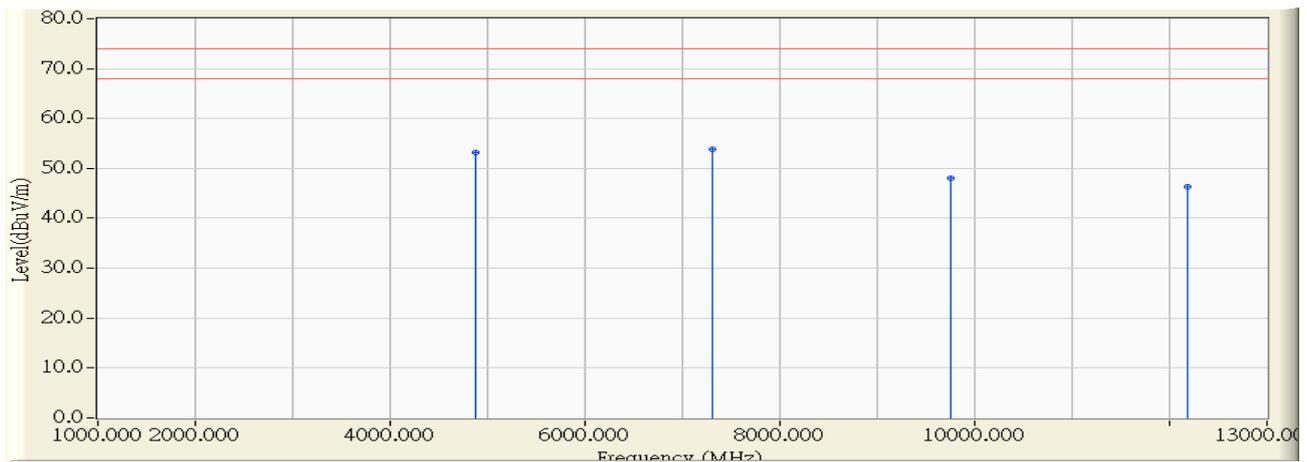


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	4875.700	-1.391	50.720	49.329	-24.671	74.000	PEAK
2	* 7307.100	4.888	47.900	52.788	-21.212	74.000	PEAK
3	9747.800	8.848	39.610	48.458	-25.542	74.000	PEAK
4	12186.300	10.238	36.120	46.358	-27.642	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.
7. The Emission above 13GHz were not included is because their levels are too low.

Site : CB1	Time : 2011/08/04 - 19:15
Limit : FCC_SpartC_15.247_H_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G(2011-05) - VERTICAL	Power : AC 120V/60Hz
EUT : Gigabit Wireless-N Router	Note : Mode 1: Transmit (Adapter: DVE, DSA-12G) -2437MHz,802.11n(20M)

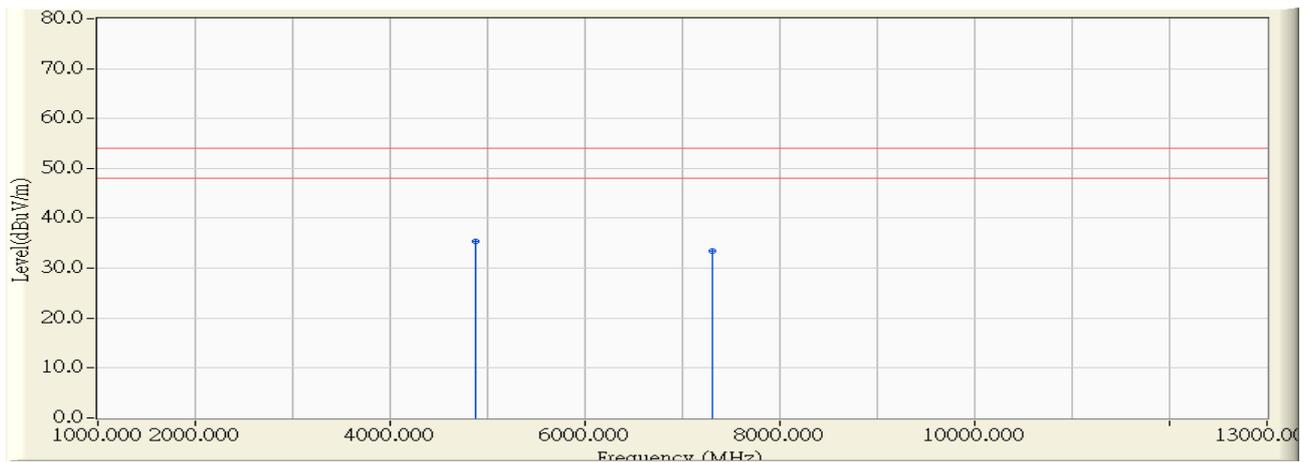


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	4872.400	-1.398	54.590	53.192	-20.808	74.000	PEAK
2	* 7305.400	4.885	49.050	53.935	-20.065	74.000	PEAK
3	9748.800	8.855	39.100	47.955	-26.045	74.000	PEAK
4	12185.000	10.238	36.030	46.268	-27.732	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.
7. The Emission above 13GHz were not included is because their levels are too low.

Site : CB1	Time : 2011/08/04 - 19:23
Limit : FCC_SpartC_15.247_H_03M_AV	Margin : 6
Probe : CB1_FCC_EFS_1-18G(2011-05) - VERTICAL	Power : AC 120V/60Hz
EUT : Gigabit Wireless-N Router	Note : Mode 1: Transmit (Adapter: DVE, DSA-12G) -2437MHz,802.11n(20M)

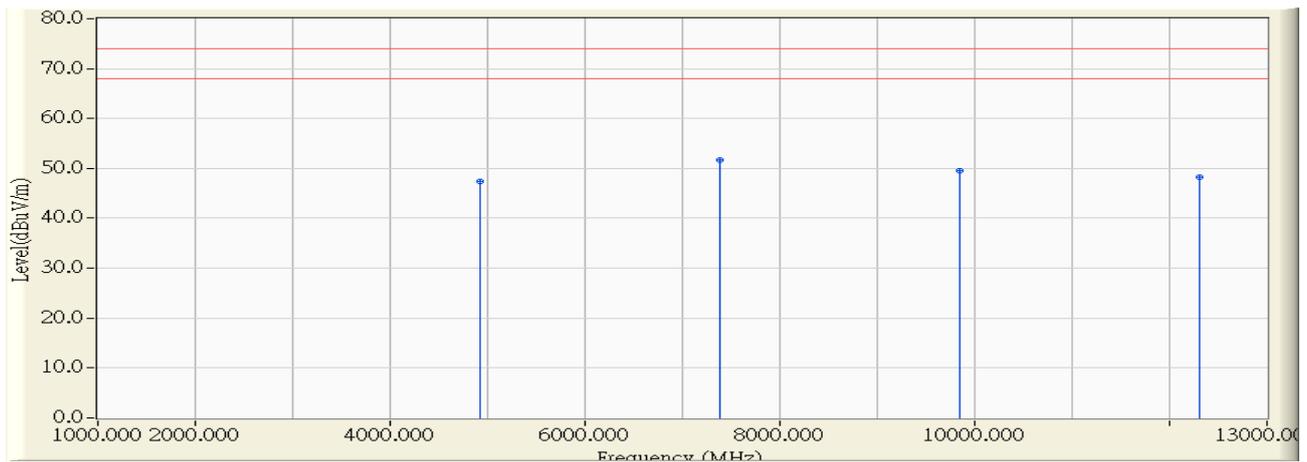


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	4873.900	-1.395	36.840	35.445	-18.555	54.000	AVERAGE
2		7310.000	4.893	28.520	33.413	-20.587	54.000	AVERAGE

Note:

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

Site : CB1	Time : 2011/08/22 - 16:52
Limit : FCC_SpartC_15.247_H_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G(2011-05) - HORIZONTAL	Power : AC 120V/60Hz
EUT : Gigabit Wireless-N Router	Note : Mode 1: Transmit (Adapter: DVE, DSA-12G) -2462MHz,802.11n20M

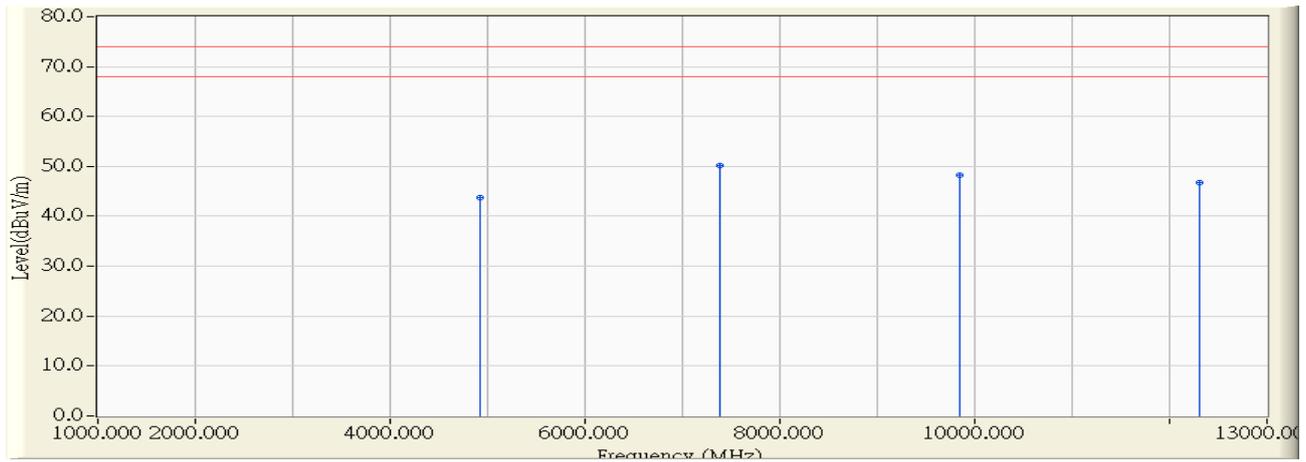


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	4920.000	-1.295	48.730	47.435	-26.565	74.000	PEAK
2	* 7380.000	5.022	46.750	51.772	-22.228	74.000	PEAK
3	9848.000	9.495	40.110	49.605	-24.395	74.000	PEAK
4	12310.000	10.250	38.040	48.290	-25.710	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.
7. The Emission above 13GHz were not included is because their levels are too low.

Site : CB1	Time : 2011/08/22 - 16:57
Limit : FCC_SpartC_15.247_H_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G(2011-05) - VERTICAL	Power : AC 120V/60Hz
EUT : Gigabit Wireless-N Router	Note : Mode 1: Transmit (Adapter: DVE, DSA-12G) -2462MHz,802.11n20M

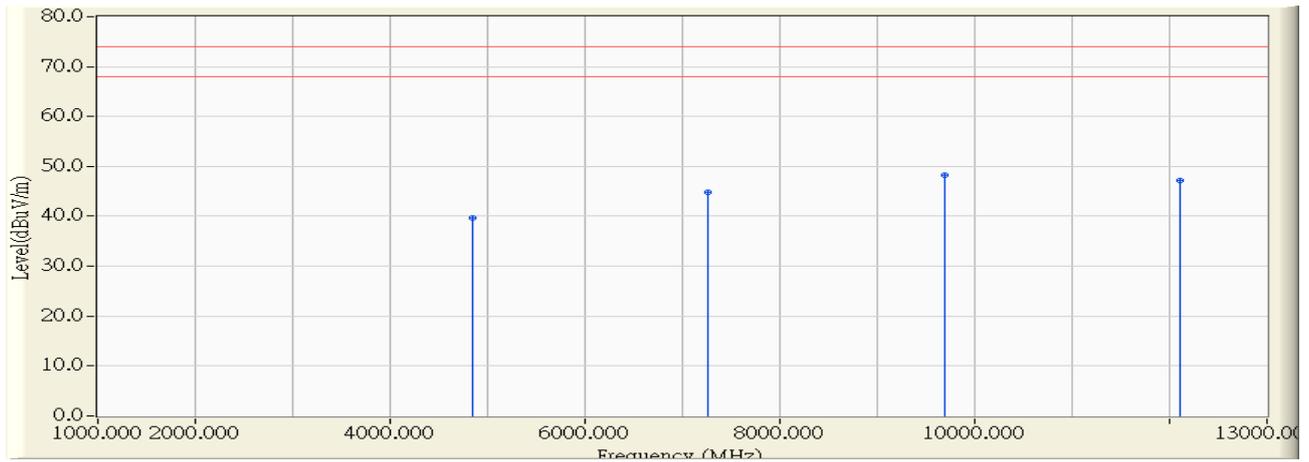


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	4924.000	-1.287	45.030	43.743	-30.257	74.000	PEAK
2	* 7380.000	5.022	45.090	50.112	-23.888	74.000	PEAK
3	9848.000	9.495	38.850	48.345	-25.655	74.000	PEAK
4	12310.000	10.250	36.490	46.740	-27.260	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.
7. The Emission above 13GHz were not included is because their levels are too low.

Site : CB1	Time : 2011/08/22 - 17:04
Limit : FCC_SpartC_15.247_H_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G(2011-05) - HORIZONTAL	Power : AC 120V/60Hz
EUT : Gigabit Wireless-N Router	Note : Mode 1: Transmit (Adapter: DVE, DSA-12G) -2422MHz,802.11n40M

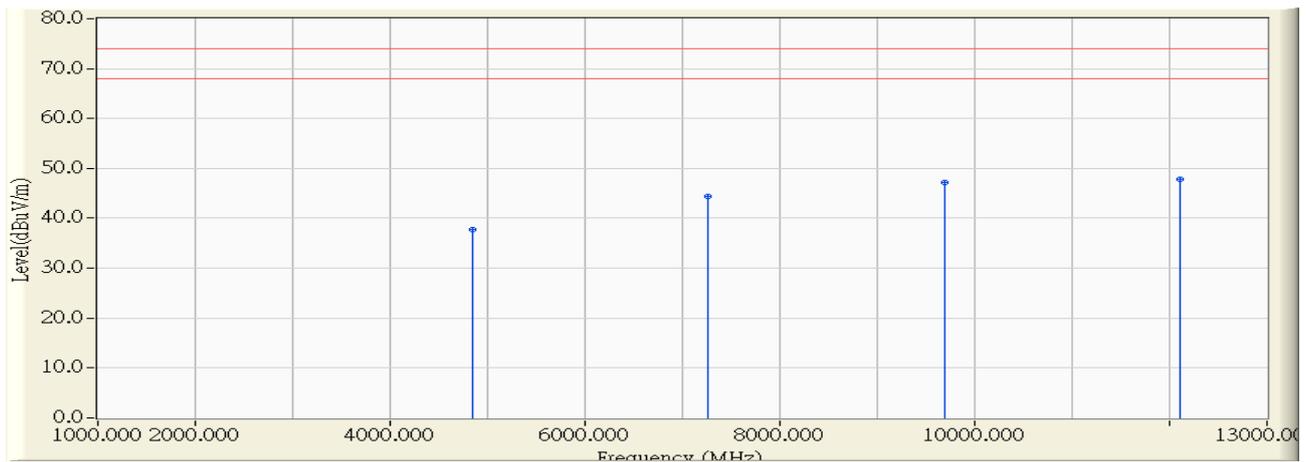


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	4844.000	-1.459	41.090	39.631	-34.369	74.000	PEAK
2	7266.000	4.813	39.950	44.763	-29.237	74.000	PEAK
3	* 9688.000	8.462	39.890	48.352	-25.648	74.000	PEAK
4	12110.000	10.230	36.980	47.210	-26.790	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.
7. The Emission above 13GHz were not included is because their levels are too low.

Site : CB1	Time : 2011/08/22 - 17:10
Limit : FCC_SpartC_15.247_H_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G(2011-05) - VERTICAL	Power : AC 120V/60Hz
EUT : Gigabit Wireless-N Router	Note : Mode 1: Transmit (Adapter: DVE, DSA-12G) -2422MHz,802.11n40M

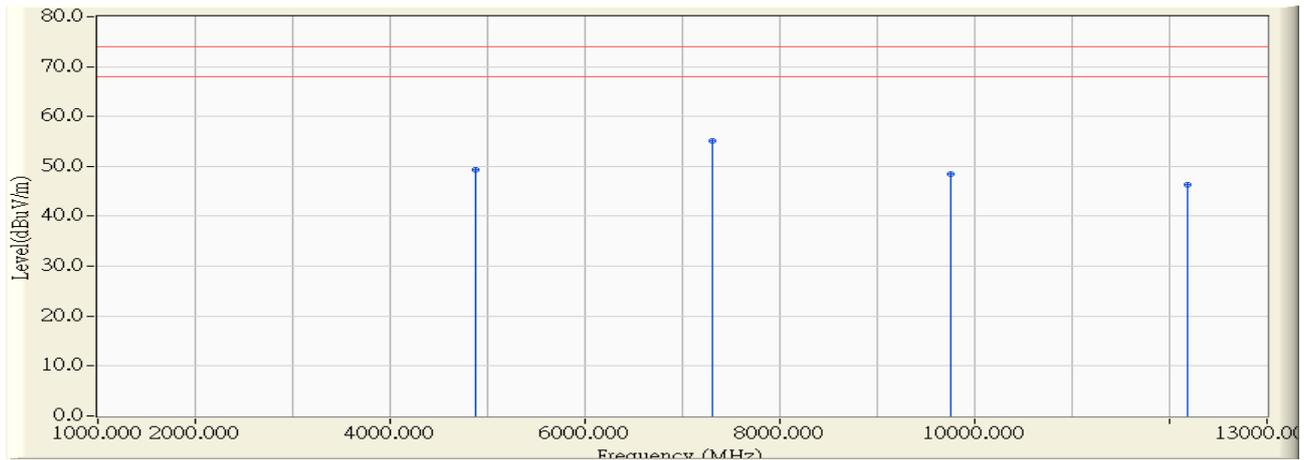


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	4844.000	-1.459	39.120	37.661	-36.339	74.000	PEAK
2	7266.000	4.813	39.660	44.473	-29.527	74.000	PEAK
3	9688.000	8.462	38.700	47.162	-26.838	74.000	PEAK
4	* 12110.000	10.230	37.600	47.830	-26.170	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.
7. The Emission above 13GHz were not included is because their levels are too low.

Site : CB1	Time : 2011/08/04 - 19:53
Limit : FCC_SpartC_15.247_H_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G(2011-05) - HORIZONTAL	Power : AC 120V/60Hz
EUT : Gigabit Wireless-N Router	Note : Mode 1: Transmit (Adapter: DVE, DSA-12G) -2437MHz,802.11n(40M)

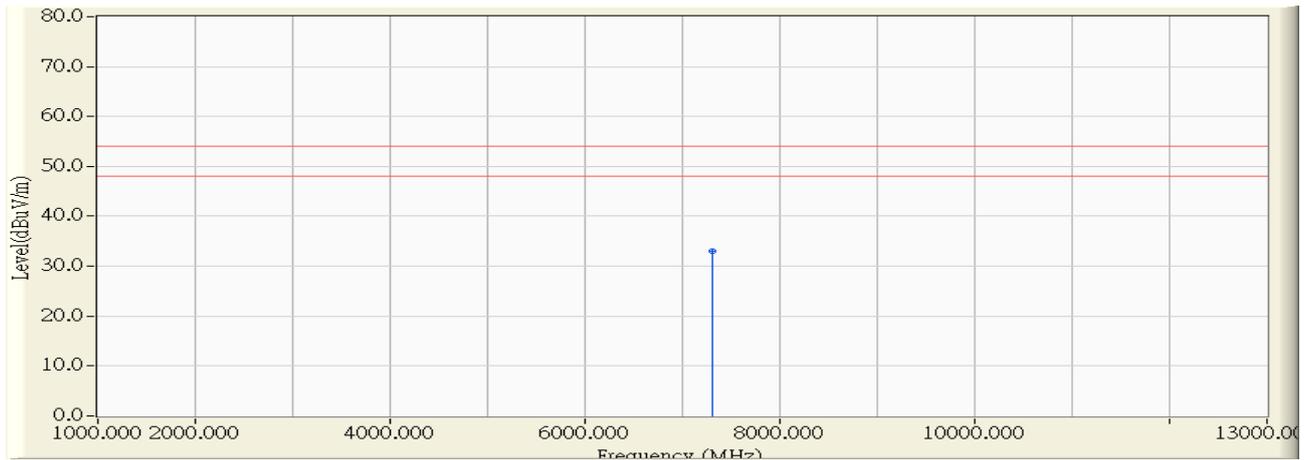


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	4875.700	-1.391	50.720	49.329	-24.671	74.000	PEAK
2	* 7307.100	4.888	50.200	55.088	-18.912	74.000	PEAK
3	9747.800	8.848	39.610	48.458	-25.542	74.000	PEAK
4	12186.300	10.238	36.120	46.358	-27.642	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.
7. The Emission above 13GHz were not included is because their levels are too low.

Site : CB1	Time : 2011/08/04 - 19:36
Limit : FCC_SpartC_15.247_H_03M_AV	Margin : 6
Probe : CB1_FCC_EFS_1-18G(2011-05) - HORIZONTAL	Power : AC 120V/60Hz
EUT : Gigabit Wireless-N Router	Note : Mode 1: Transmit (Adapter: DVE, DSA-12G) -2437MHz,802.11n(40M)

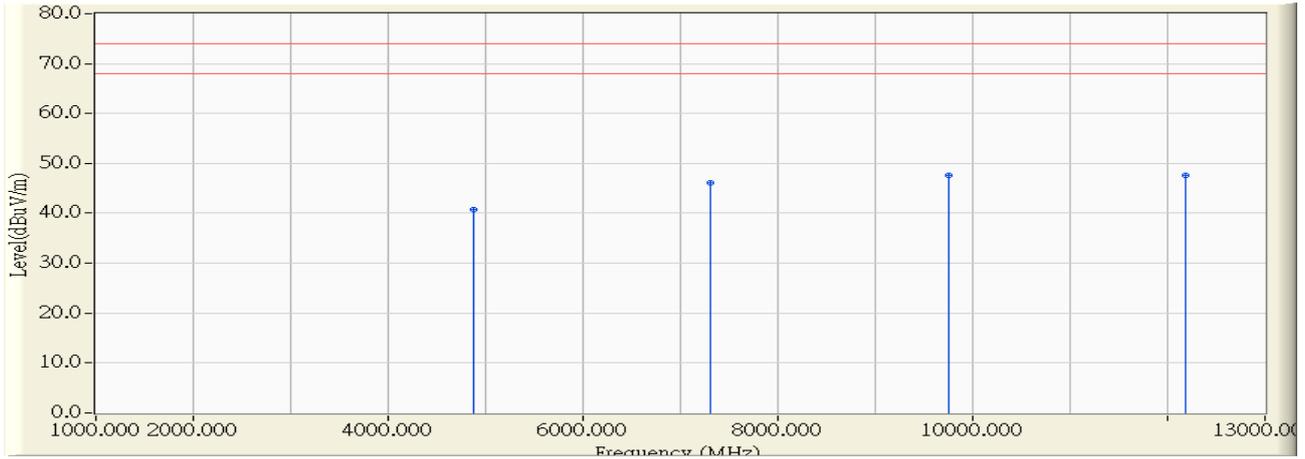


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	7309.500	4.892	28.240	33.132	-20.868	54.000	AVERAGE

Note:

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

Site : CB1	Time : 2011/08/22 - 17:16
Limit : FCC_SpartC_15.247_H_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G(2011-05) - VERTICAL	Power : AC 120V/60Hz
EUT : Gigabit Wireless-N Router	Note : Mode 1: Transmit (Adapter: DVE, DSA-12G) -2437MHz,802.11n40M

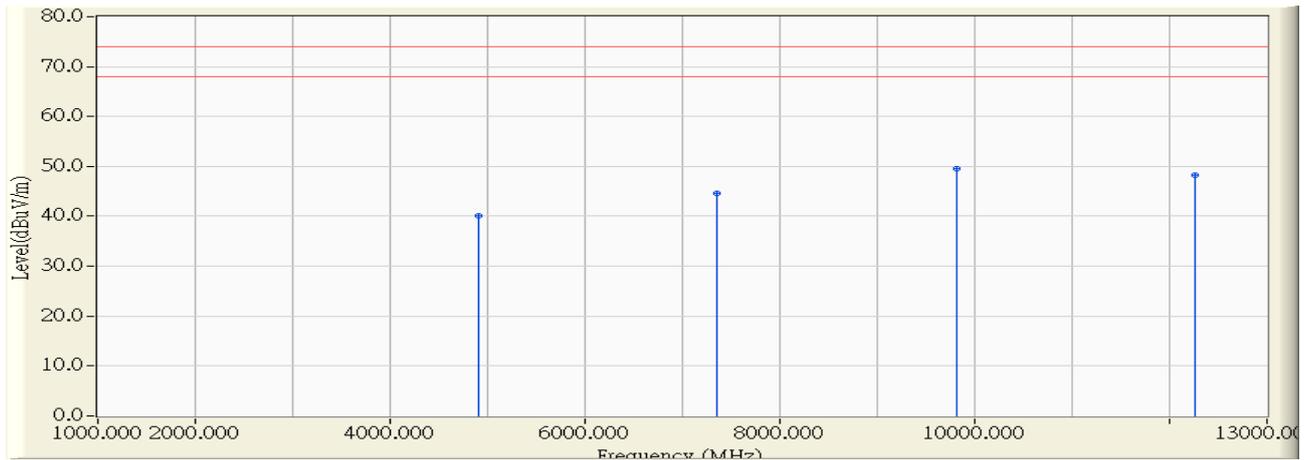


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	4874.000	-1.395	42.210	40.815	-33.185	74.000	PEAK
2	7311.000	4.896	41.210	46.105	-27.895	74.000	PEAK
3	9748.000	8.849	38.660	47.509	-26.491	74.000	PEAK
4	* 12185.000	10.238	37.350	47.588	-26.412	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.
7. The Emission above 13GHz were not included is because their levels are too low.

Site : CB1	Time : 2011/08/22 - 17:21
Limit : FCC_SpartC_15.247_H_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G(2011-05) - HORIZONTAL	Power : AC 120V/60Hz
EUT : Gigabit Wireless-N Router	Note : Mode 1: Transmit (Adapter: DVE, DSA-12G) -2452MHz,802.11n40M

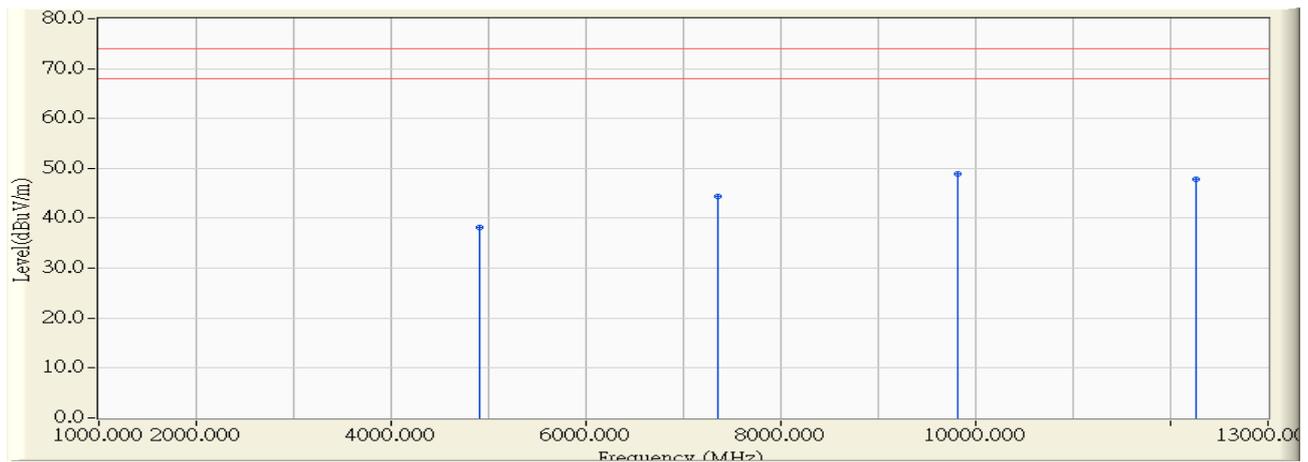


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	4904.000	-1.330	41.350	40.020	-33.980	74.000	PEAK
2	7356.000	4.978	39.600	44.578	-29.422	74.000	PEAK
3	* 9808.000	9.237	40.240	49.477	-24.523	74.000	PEAK
4	12260.000	10.245	38.070	48.315	-25.685	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.
7. The Emission above 13GHz were not included is because their levels are too low.

Site : CB1	Time : 2011/08/22 - 17:26
Limit : FCC_SpartC_15.247_H_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G(2011-05) - VERTICAL	Power : AC 120V/60Hz
EUT : Gigabit Wireless-N Router	Note : Mode 1: Transmit (Adapter: DVE, DSA-12G) -2452MHz,802.11n40M



	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	4904.000	-1.330	39.600	38.270	-35.730	74.000	PEAK
2	7356.000	4.978	39.380	44.358	-29.642	74.000	PEAK
3	* 9808.000	9.237	39.560	48.797	-25.203	74.000	PEAK
4	12260.000	10.245	37.630	47.875	-26.125	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.
7. The Emission above 13GHz were not included is because their levels are too low.

5. RF antenna conducted test

5.1. Test Equipment

The following test equipment is used during the test:

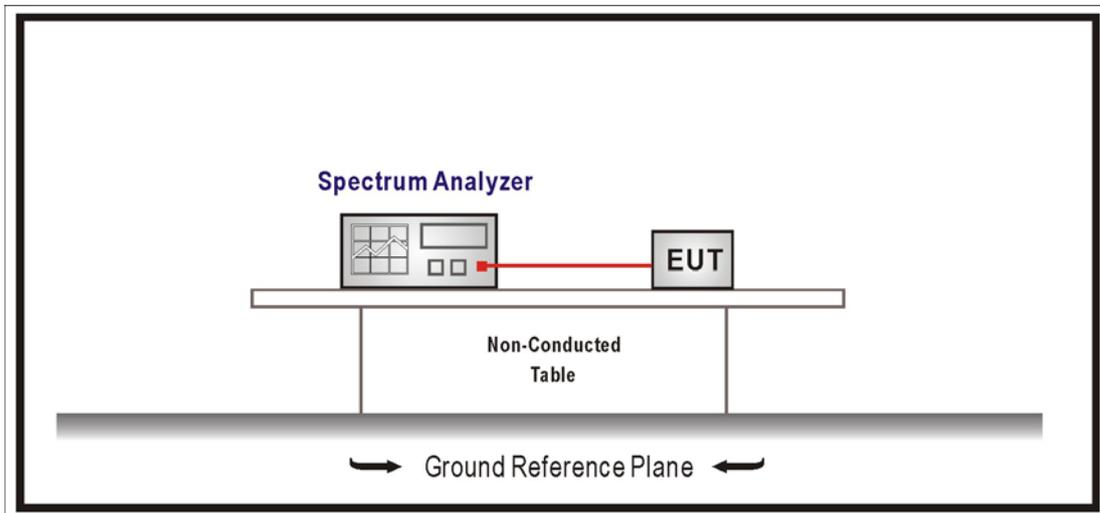
RF antenna conducted test / SR7

Instrument	Manufacturer	Model No.	Serial No	Next Cal. Date
Spectrum Analyzer	R&S	FSP	100561	2012/01/16

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

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: 2009 and tested according to DTS test procedure of Oct 2002 KDB558074 for compliance to FCC 47CFR 15.247 requirements Set RBW = 100 kHz, Set VBW > RBW, scan up through 10th harmonic.

5.5. Test Specification

According to FCC Part 15 Subpart C Paragraph 15.247: 2010

5.6. Uncertainty

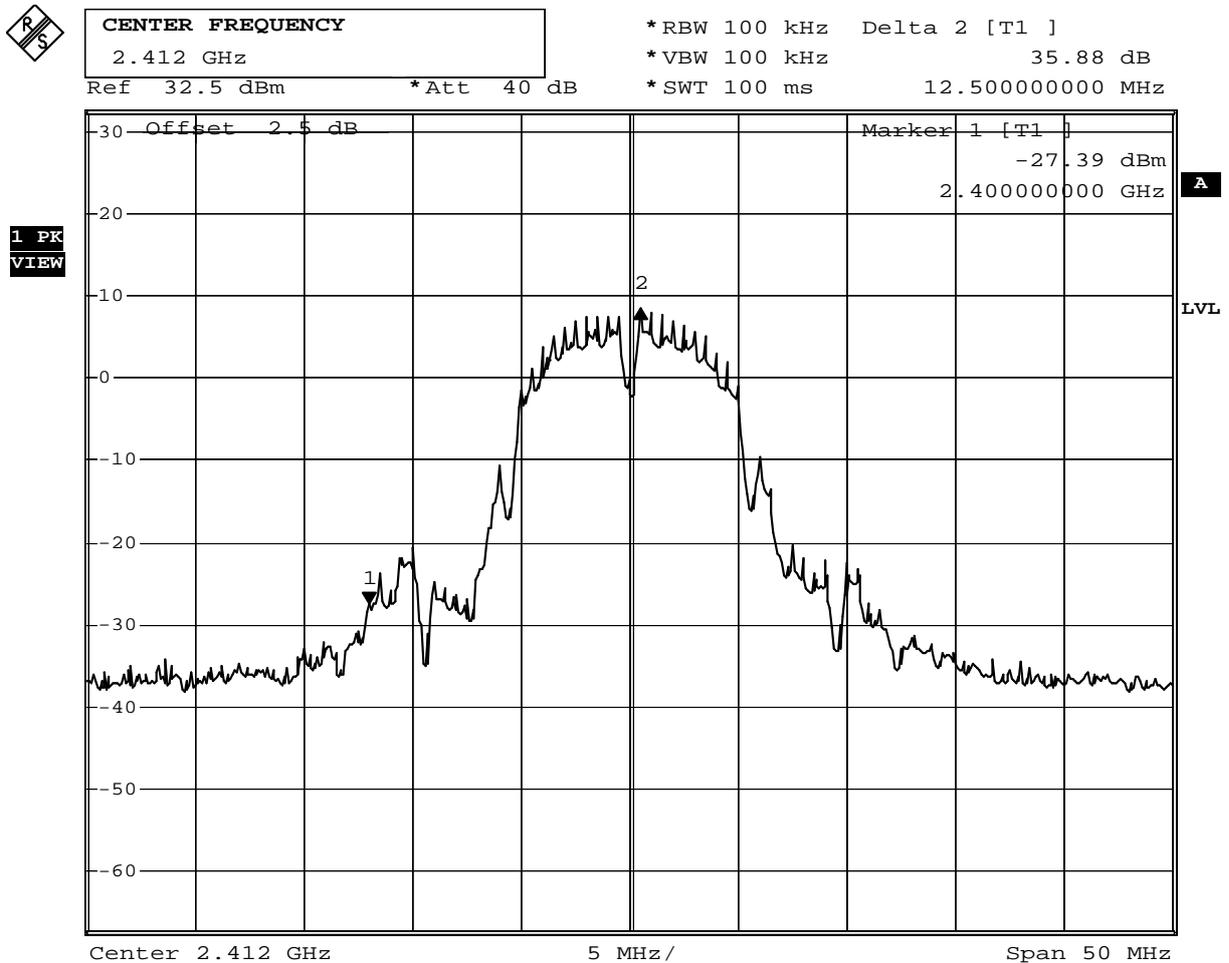
Conducted is defined as $\pm 1.27\text{dB}$

5.7. Test Result

Product	Gigabit Wireless-N Router		
Test Item	RF antenna conducted test		
Test Mode	Transmit		
Date of Test	2011/08/10	Test Site	SR7

IEEE 802.11b				
Channel No.	Frequency (MHz)	Measure Level (dBc)	Limit (dBc)	Result
1	2412	35.88	≥20	Pass
11	2462	44.96	≥20	Pass

Channel 01 (2412MHz)



Date: 10.AUG.2011 11:09:45

Channel 11 (2462MHz)

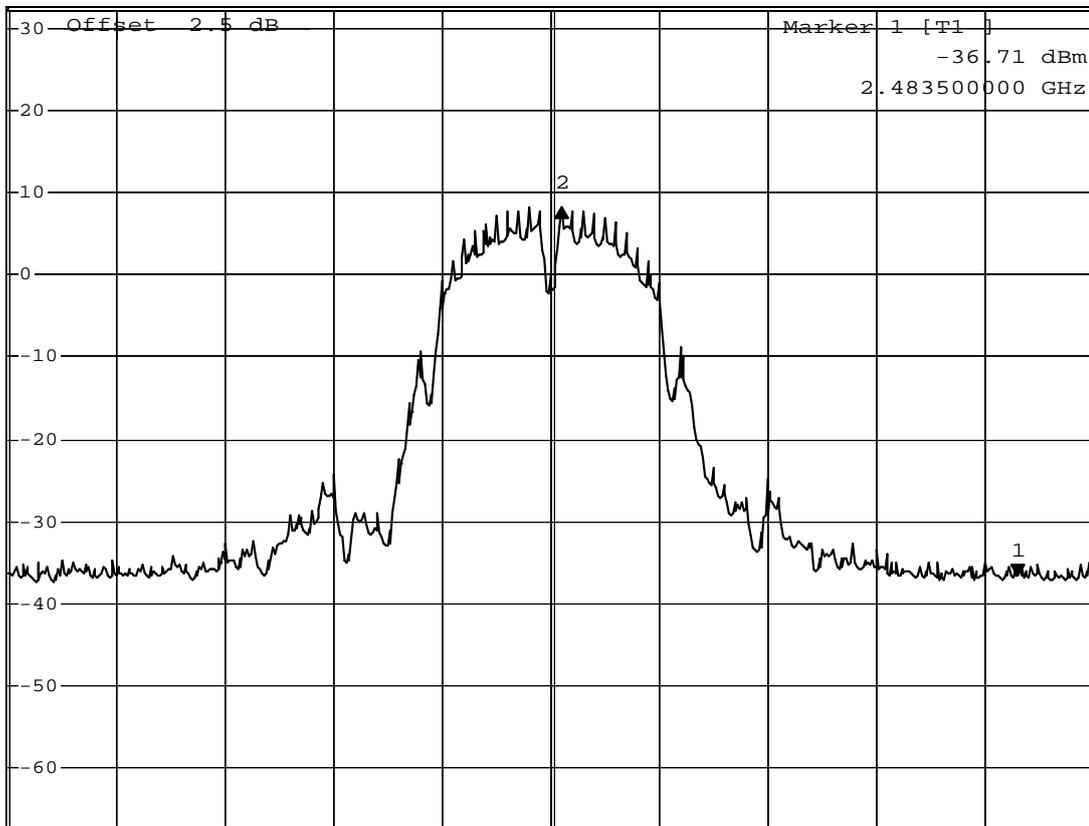


DELTA MARKER 2
-21 MHz

*RBW 100 kHz Delta 2 [T1]
*VBW 100 kHz 44.96 dB
*SWT 100 ms -21.00000000 MHz

Ref 32.5 dBm *Att 40 dB

1 PK
VIEW



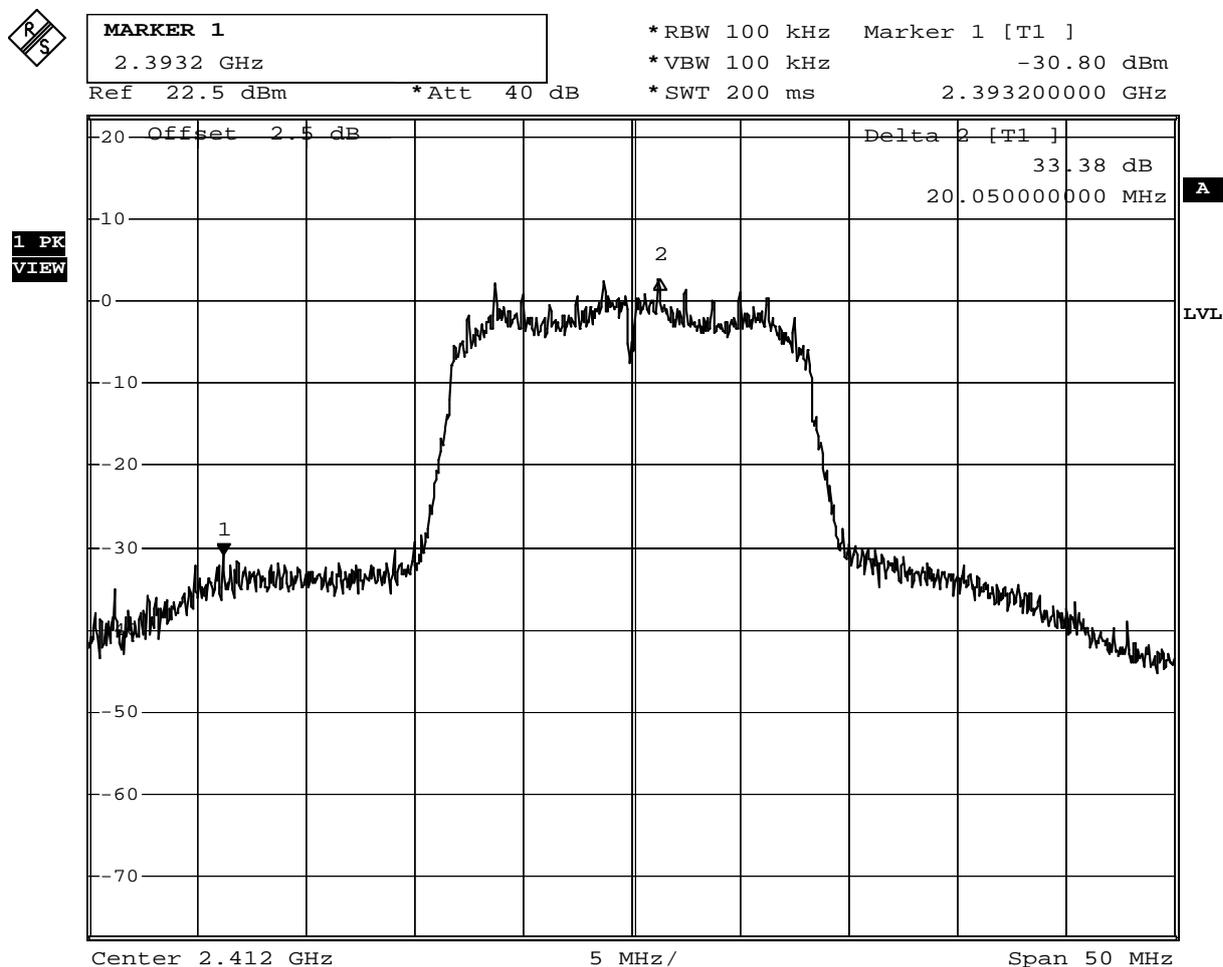
Center 2.462 GHz 5 MHz/ Span 50 MHz

Date: 10.AUG.2011 11:10:51

Product	Gigabit Wireless-N Router		
Test Item	RF antenna conducted test		
Test Mode	Transmit		
Date of Test	2011/08/10	Test Site	SR7

IEEE 802.11g				
Channel No.	Frequency (MHz)	Measure Level (dBc)	Limit (dBc)	Result
1	2412	33.38	≥20	Pass
11	2462	39.95	≥20	Pass

Channel 01 (2412MHz)



Date: 10.AUG.2011 18:15:49

Channel 11 (2462MHz)

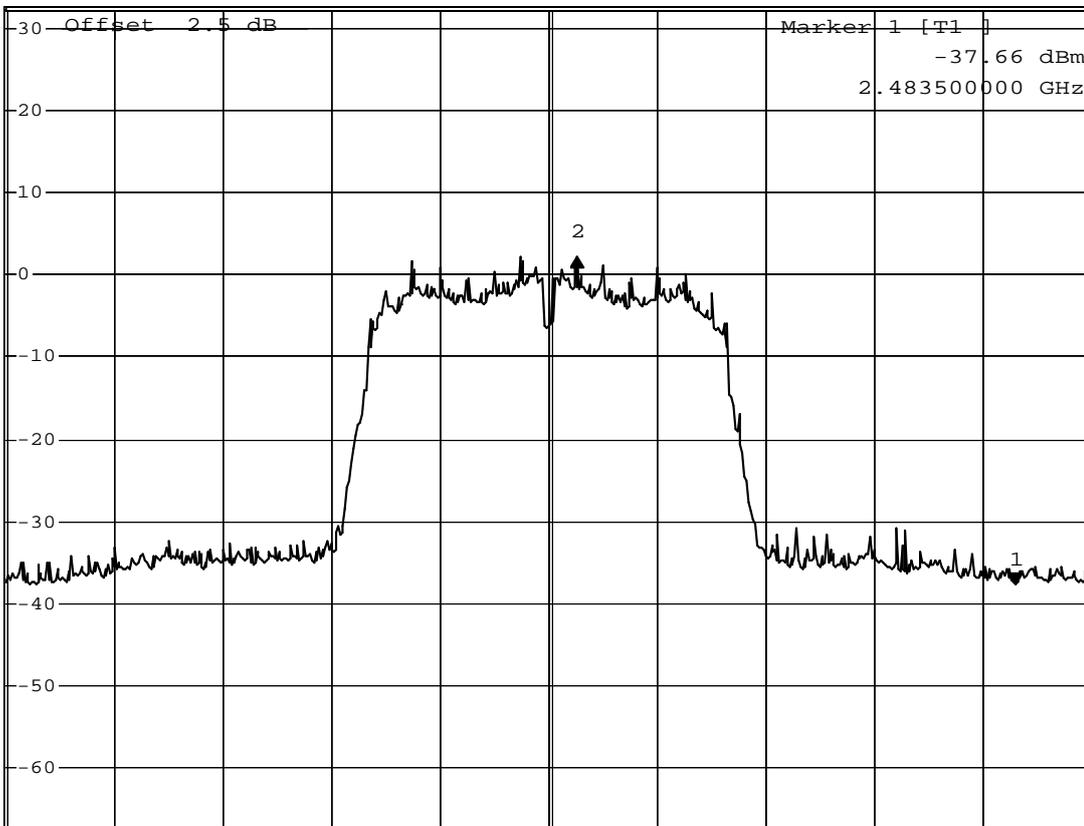


DELTA MARKER 2
-20.2 MHz

*RBW 100 kHz Delta 2 [T1]
*VBW 100 kHz 39.95 dB
*SWT 100 ms -20.20000000 MHz

Ref 32.5 dBm *Att 40 dB

1 PK
VIEW



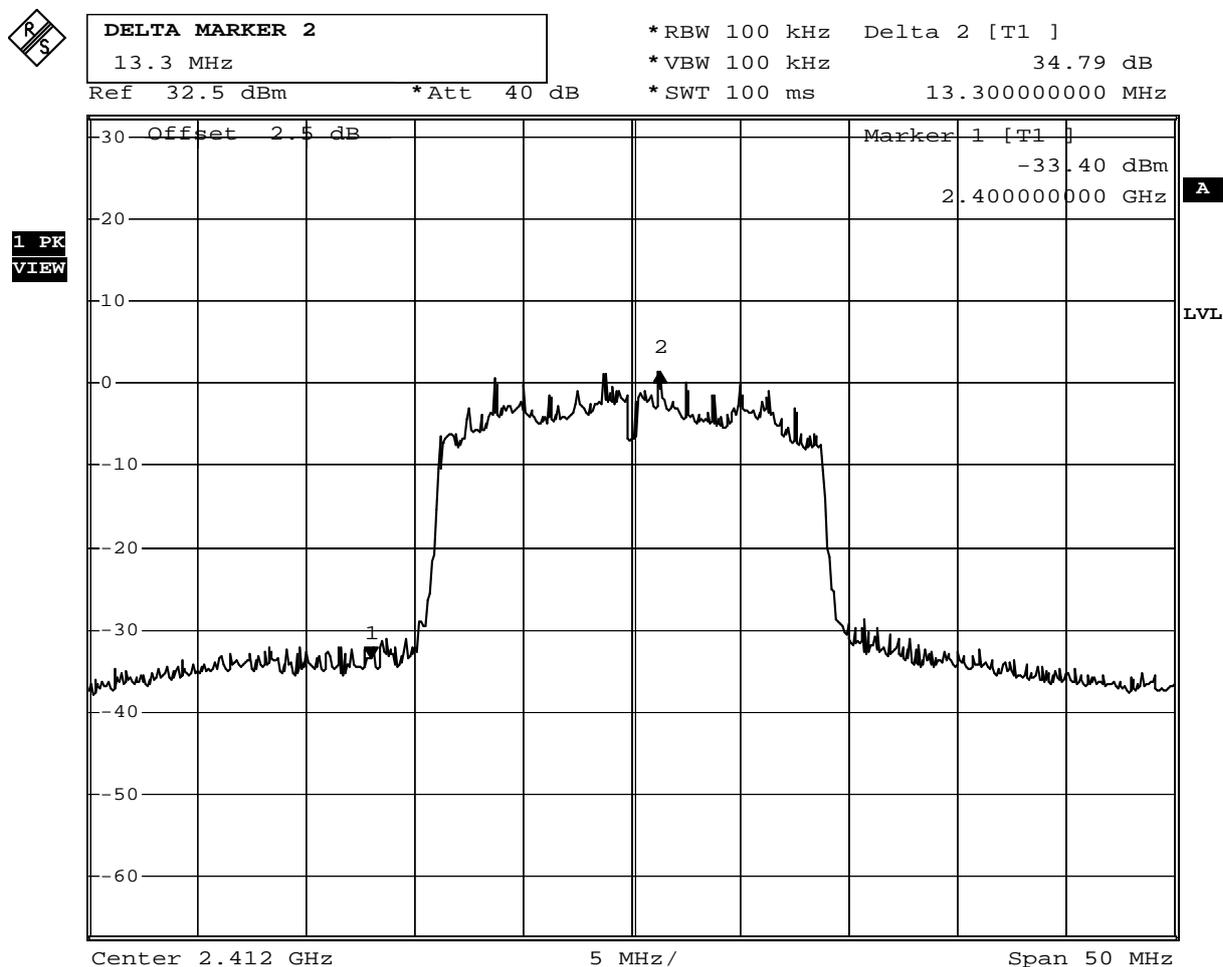
Center 2.462 GHz 5 MHz/ Span 50 MHz

Date: 10.AUG.2011 11:12:26

Product	Gigabit Wireless-N Router		
Test Item	RF antenna conducted test		
Test Mode	Transmit		
Date of Test	2011/08/10	Test Site	SR7

IEEE 802.11n (20MHz) ANT 0				
Channel No.	Frequency (MHz)	Measure Level (dBc)	Limit (dBc)	Result
1	2412	34.79	≥20	Pass
11	2462	38.55	≥20	Pass

Channel 01 (2412MHz)



Date: 10.AUG.2011 11:14:18

Channel 11 (2462MHz)

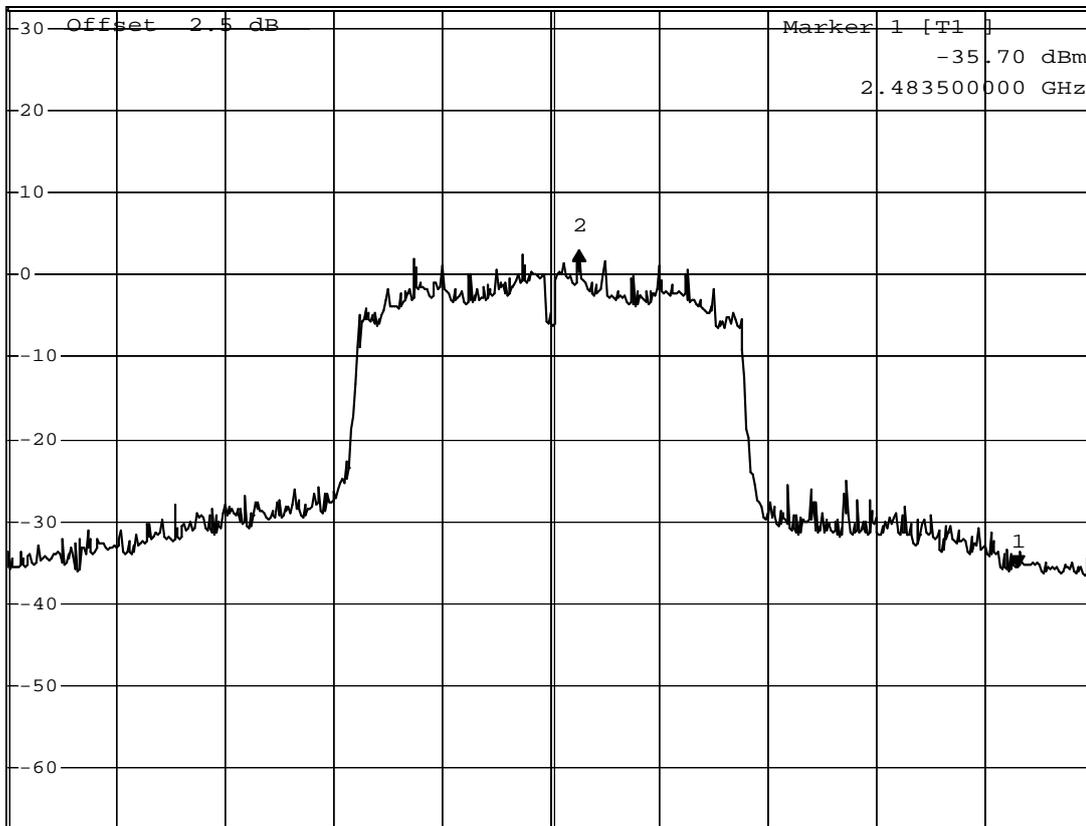


DELTA MARKER 2
-20.2 MHz

*RBW 100 kHz Delta 2 [T1]
*VBW 100 kHz 38.55 dB
*SWT 100 ms -20.20000000 MHz

Ref 32.5 dBm *Att 40 dB

1 PK
VIEW



Center 2.462 GHz

5 MHz/

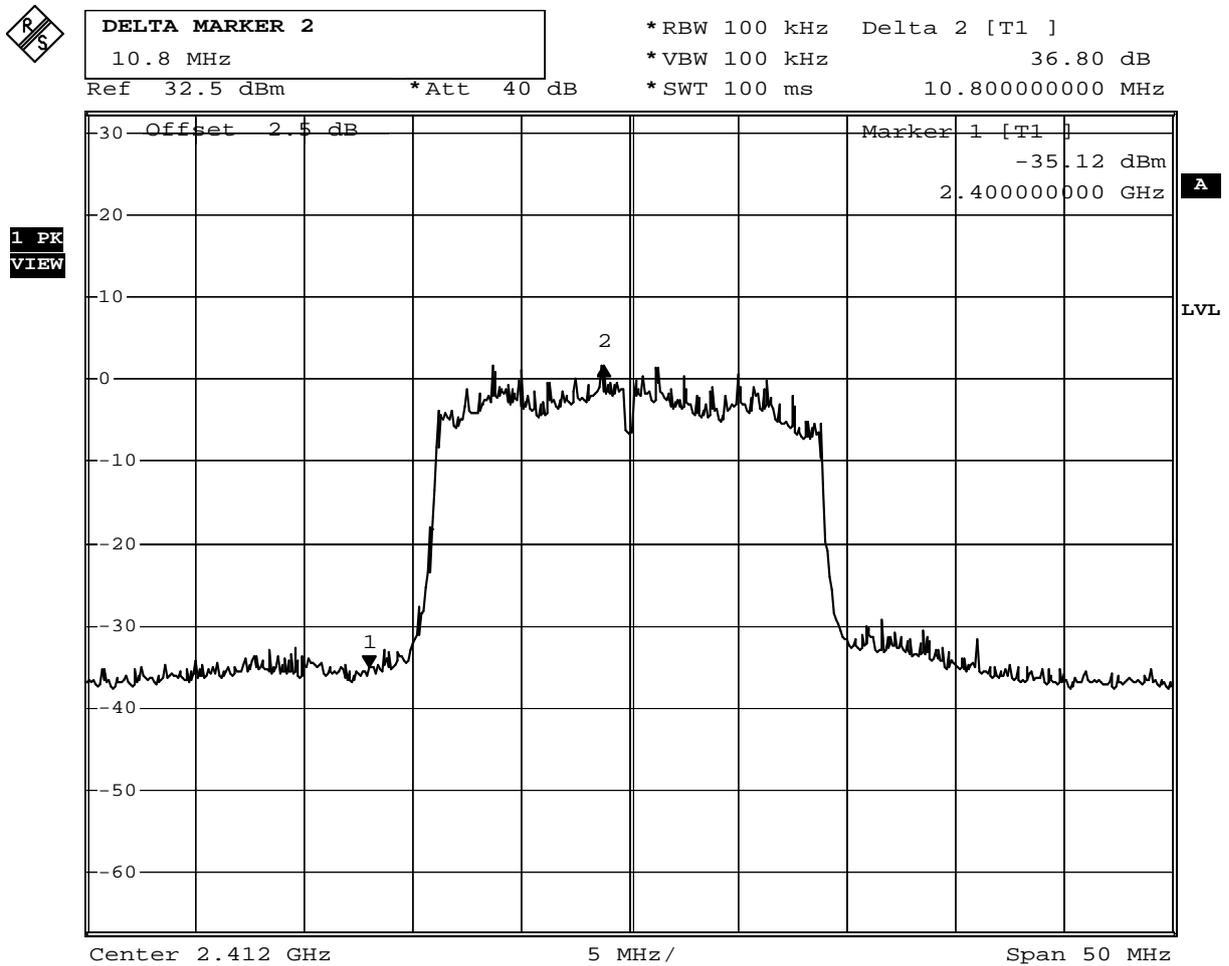
Span 50 MHz

Date: 10.AUG.2011 11:18:33

Product	Gigabit Wireless-N Router		
Test Item	RF antenna conducted test		
Test Mode	Transmit		
Date of Test	2011/08/10	Test Site	SR7

IEEE 802.11n (20MHz) ANT 1				
Channel No.	Frequency (MHz)	Measure Level (dBc)	Limit (dBc)	Result
1	2412	36.80	≥20	Pass
11	2462	40.31	≥20	Pass

Channel 01 (2412MHz)



Date: 10.AUG.2011 11:15:22

Channel 11 (2462MHz)

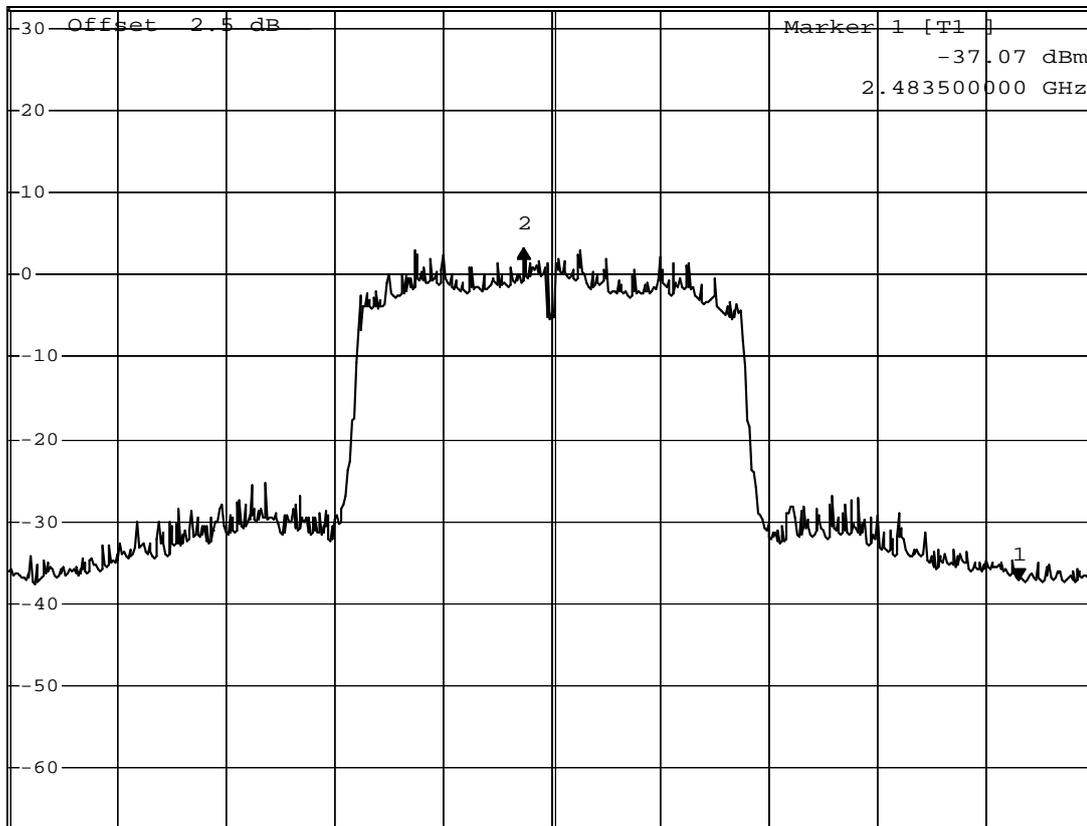


DELTA MARKER 2
-22.8 MHz

*RBW 100 kHz Delta 2 [T1]
*VBW 100 kHz 40.31 dB
*SWT 100 ms -22.80000000 MHz

Ref 32.5 dBm *Att 40 dB

1 PK
VIEW



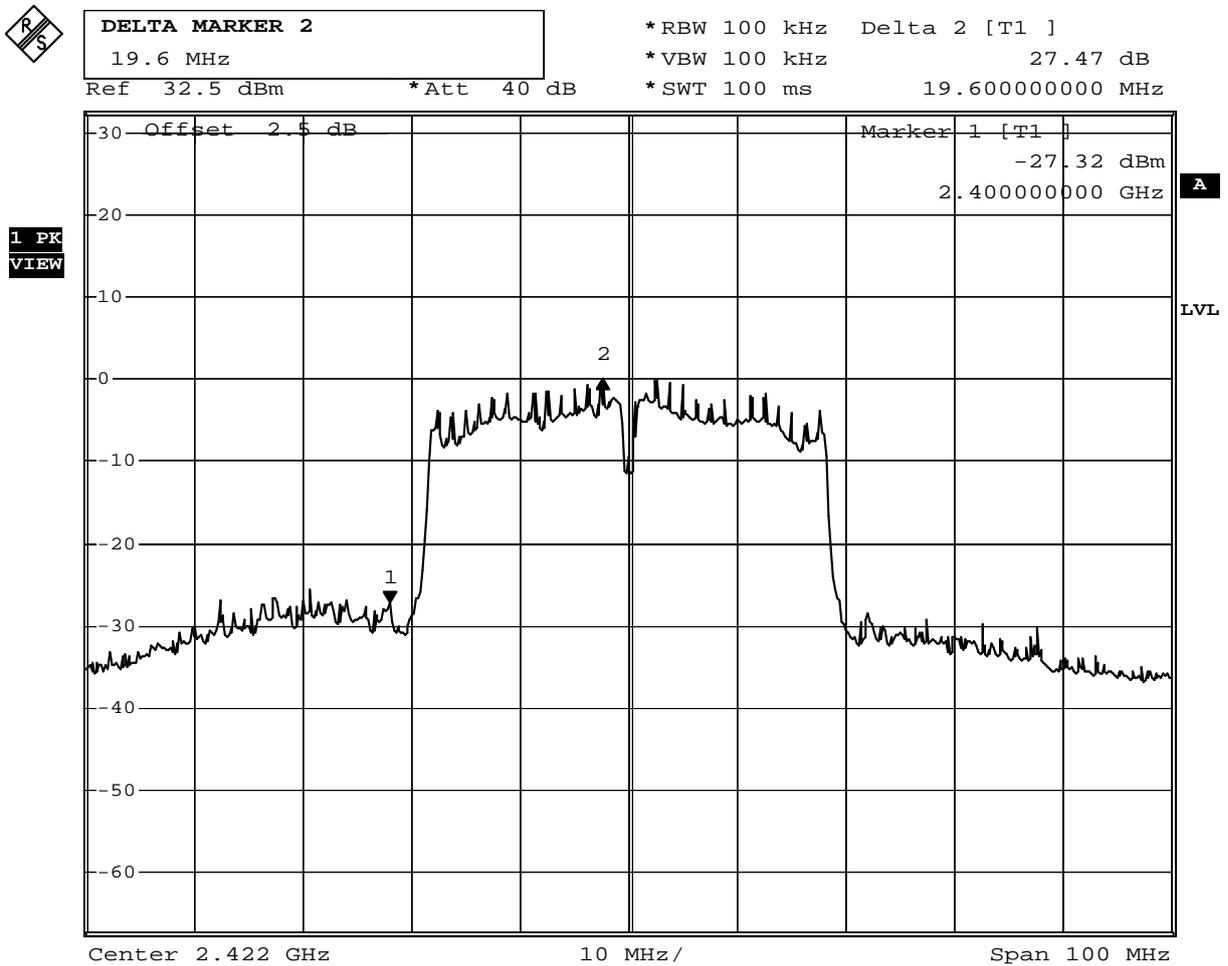
Center 2.462 GHz 5 MHz/ Span 50 MHz

Date: 10.AUG.2011 11:17:41

Product	Gigabit Wireless-N Router		
Test Item	RF antenna conducted test		
Test Mode	Transmit		
Date of Test	2011/08/10	Test Site	SR7

IEEE 802.11n (40MHz) ANT 0				
Channel No.	Frequency (MHz)	Measure Level (dBc)	Limit (dBc)	Result
3	2422	27.47	≥20	Pass
9	2452	32.31	≥20	Pass

Channel 03 (2422MHz)



Date: 10.AUG.2011 11:32:15

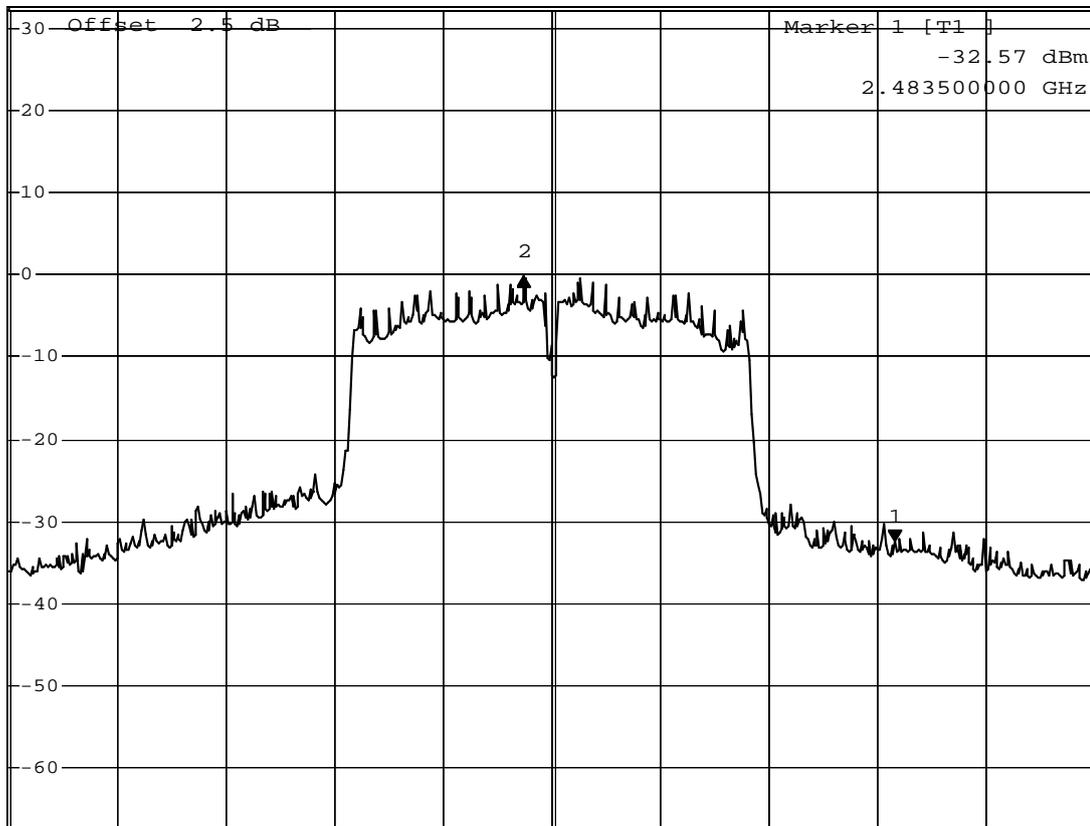
Channel 09 (2452MHz)



*RBW 100 kHz Delta 2 [T1]
 *VBW 100 kHz 32.31 dB
 *SWT 100 ms -34.10000000 MHz

Ref 32.5 dBm *Att 40 dB

1 PK
VIEW

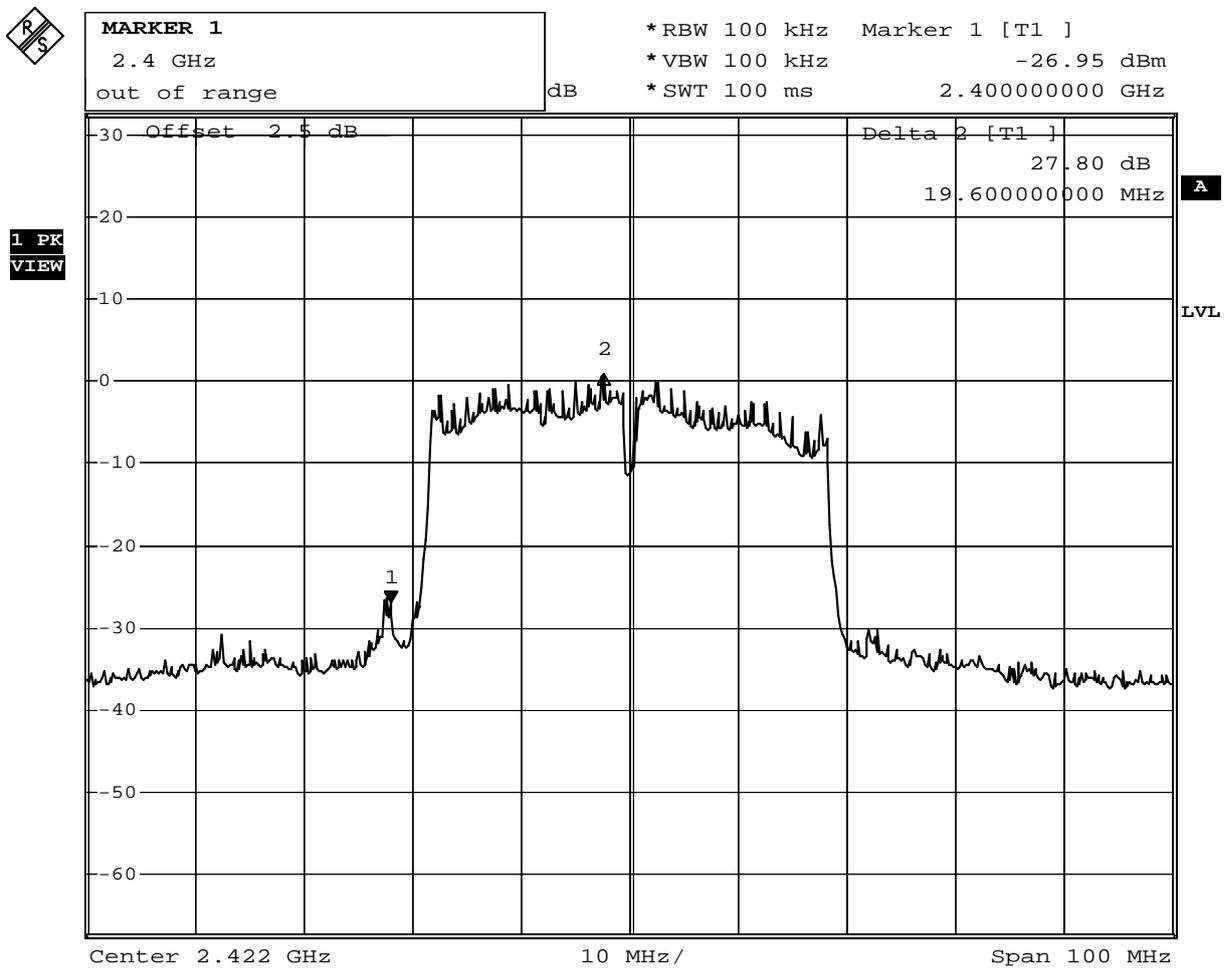


Date: 10.AUG.2011 11:26:22

Product	Gigabit Wireless-N Router		
Test Item	RF antenna conducted test		
Test Mode	Transmit		
Date of Test	2011/08/10	Test Site	SR7

IEEE 802.11n (40MHz) ANT 1				
Channel No.	Frequency (MHz)	Measure Level (dBc)	Limit (dBc)	Result
3	2422	27.80	≥20	Pass
9	2452	34.61	≥20	Pass

Channel 03 (2422MHz)



Date: 10.AUG.2011 11:33:15

Channel 09 (2452MHz)

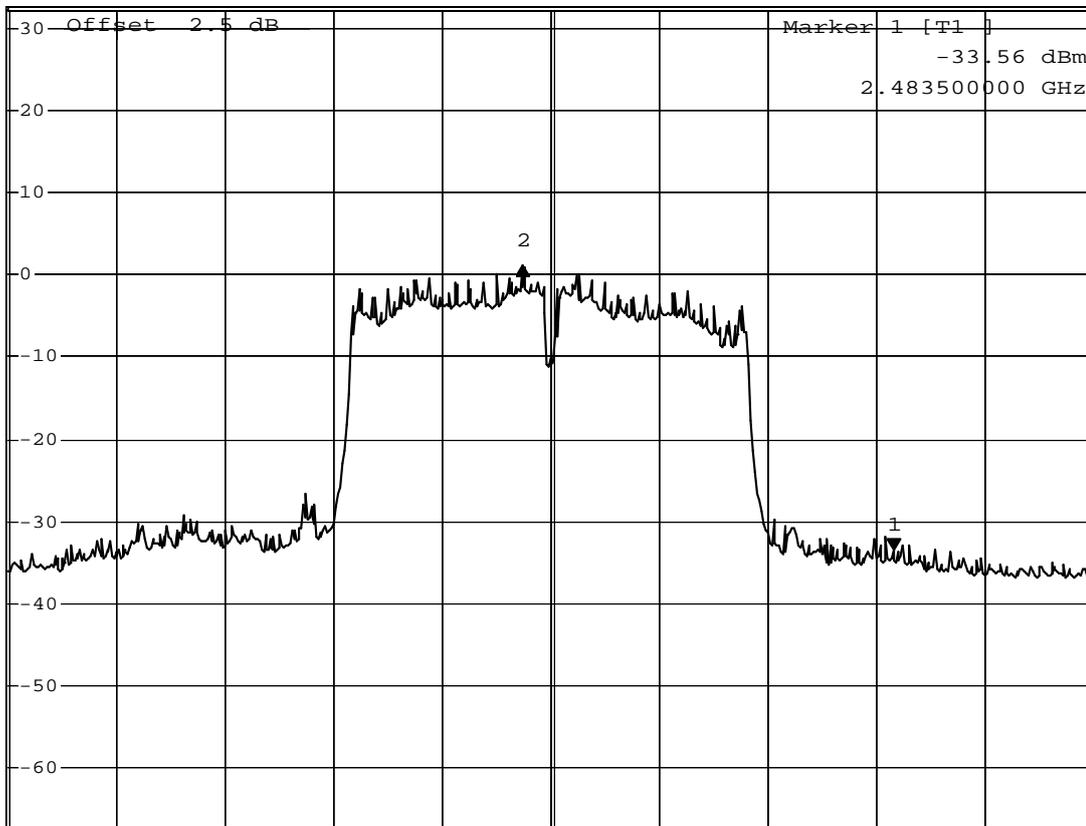


DELTA MARKER 2
-34.1 MHz

*RBW 100 kHz Delta 2 [T1]
*VBW 100 kHz 34.61 dB
*SWT 100 ms -34.10000000 MHz

Ref 32.5 dBm *Att 40 dB

1 PK
MAXH



A

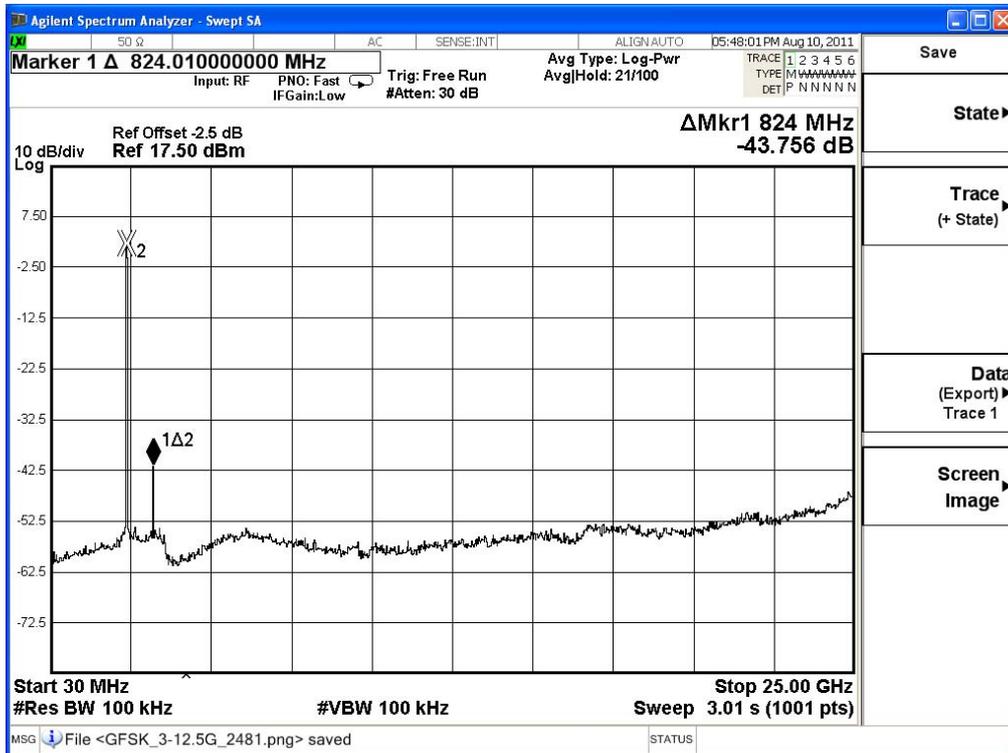
LVL

Center 2.452 GHz 10 MHz/ Span 100 MHz

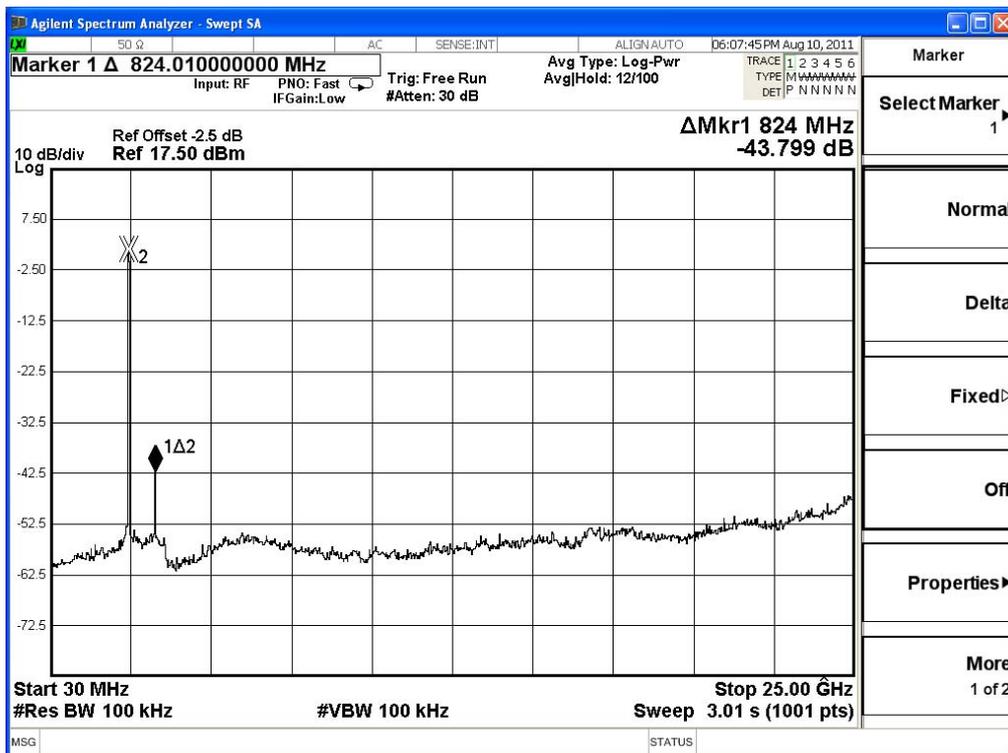
Date: 10.AUG.2011 11:24:58

Product	Gigabit Wireless-N Router		
Test Item	RF antenna conducted test		
Test Mode	Transmit		
Date of Test	2011/08/10	Test Site	SR7

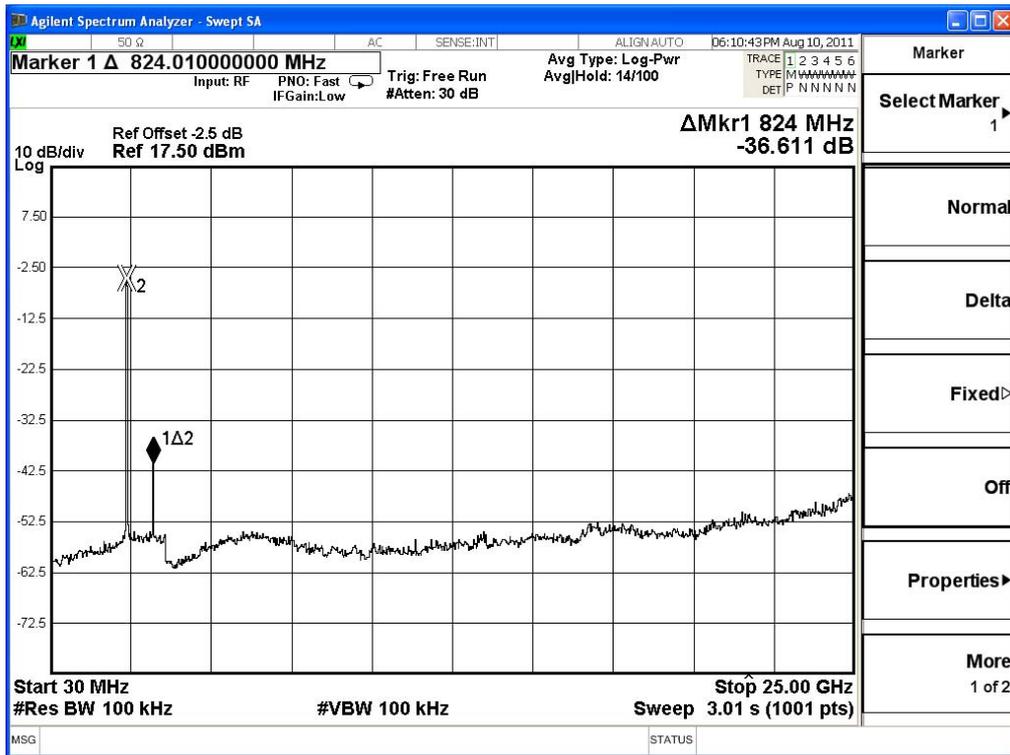
2412MHz (30MHz~25GHz)-802.11b



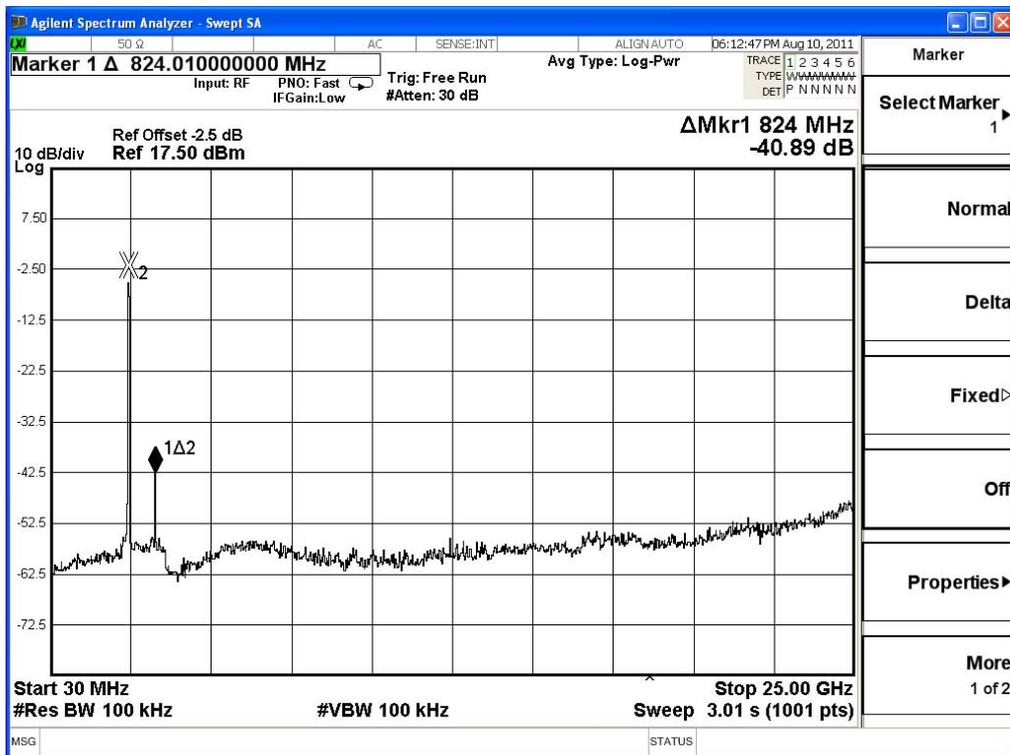
2462MHz (30MHz~25GHz)-802.11b



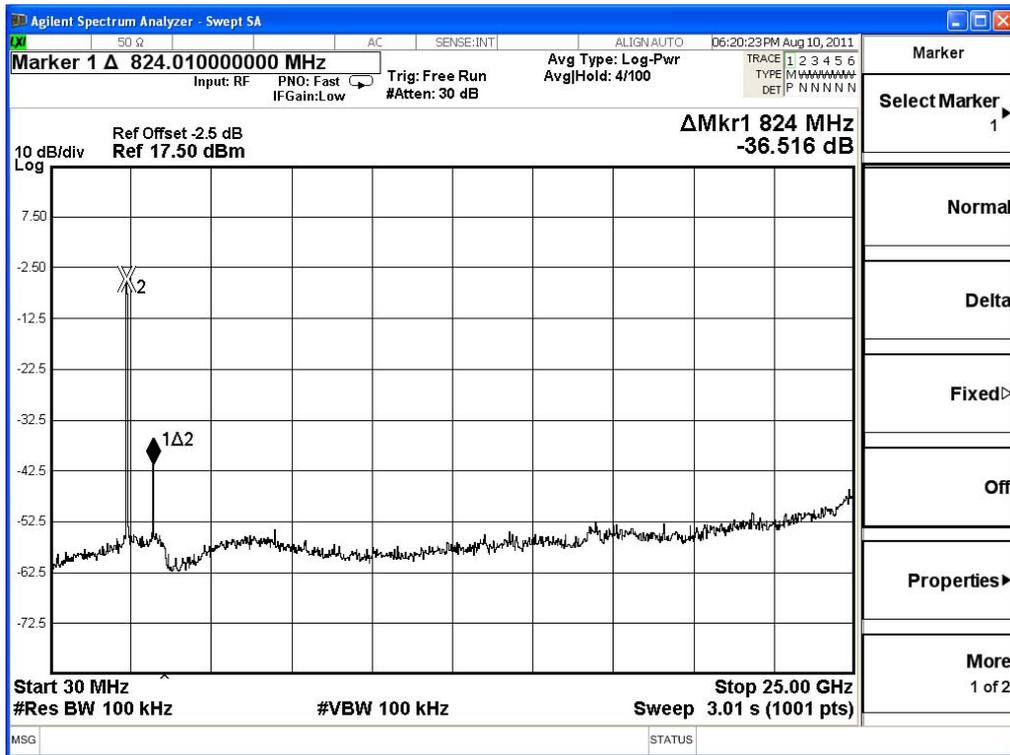
2412MHz (30MHz~25GHz)-802.11g



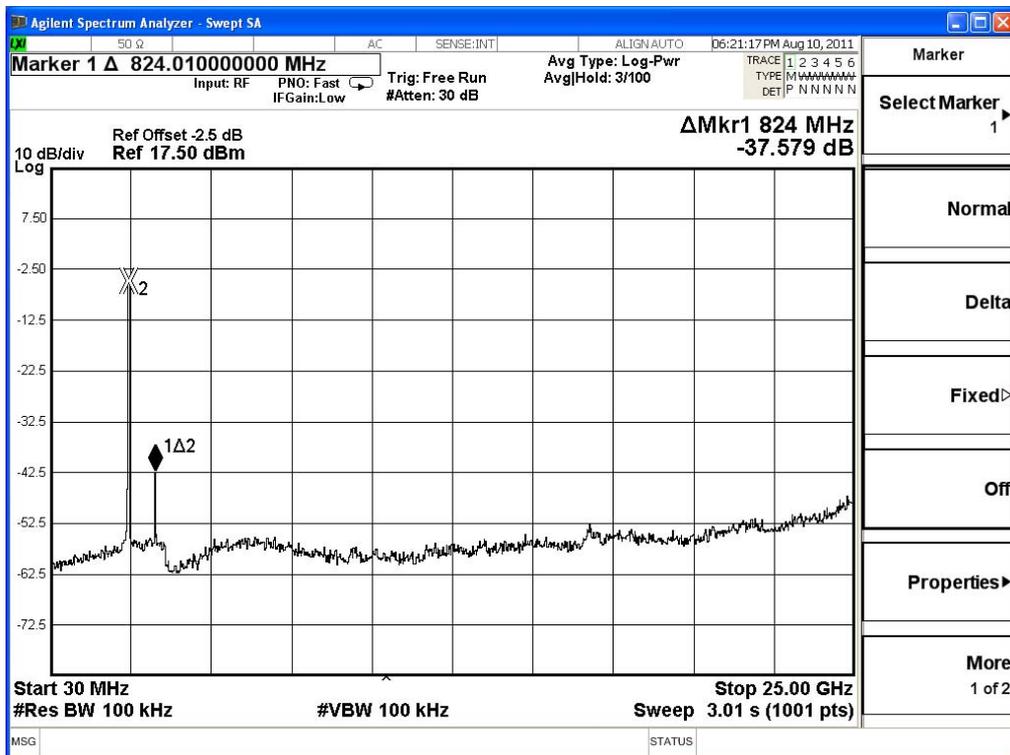
2462MHz (30MHz~25GHz)-802.11g



2412MHz (30MHz~25GHz)-802.11n(20MHz) ANT 0



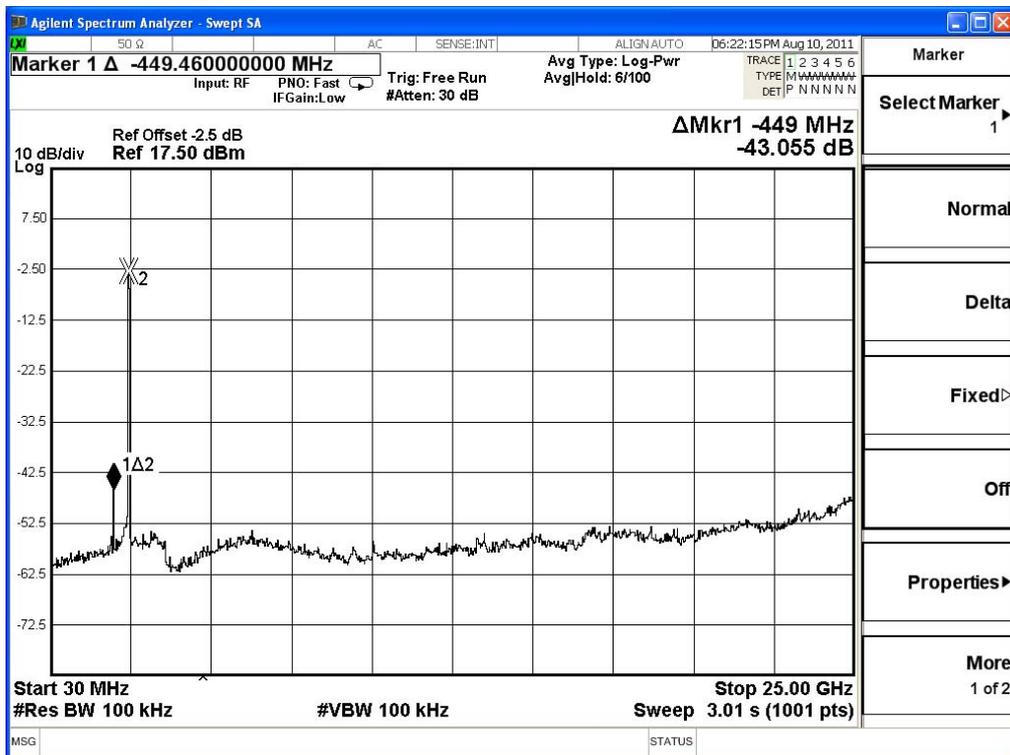
2462MHz (30MHz~25GHz)-802.11n(20MHz) ANT 0



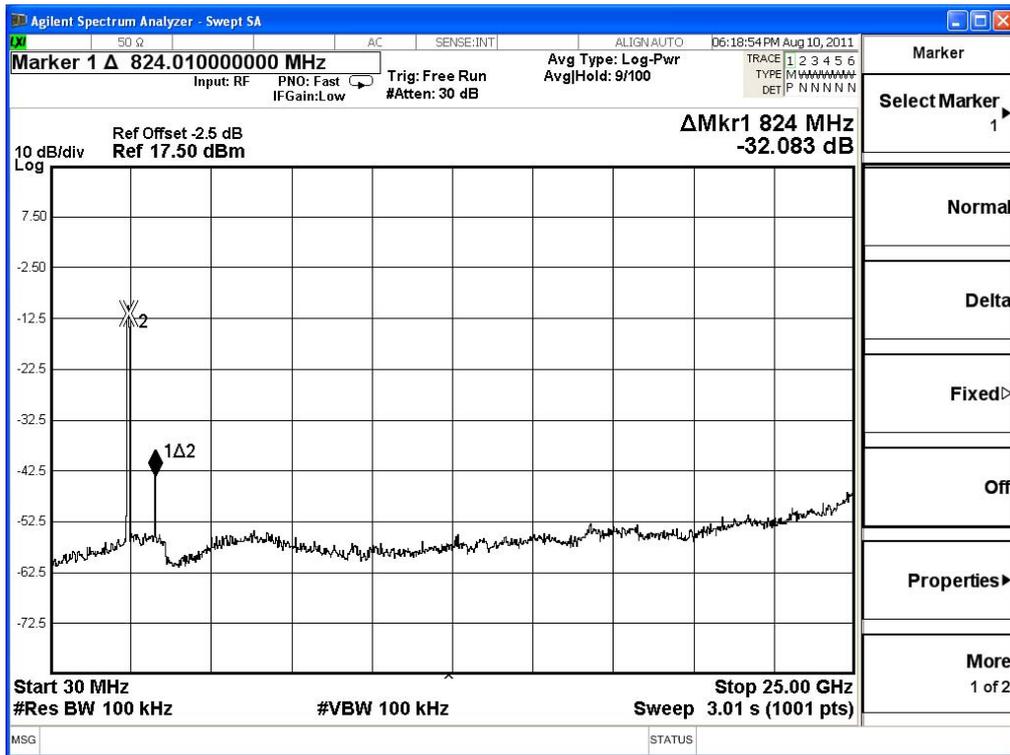
2412MHz (30MHz~25GHz)-802.11n(20MHz) ANT 1



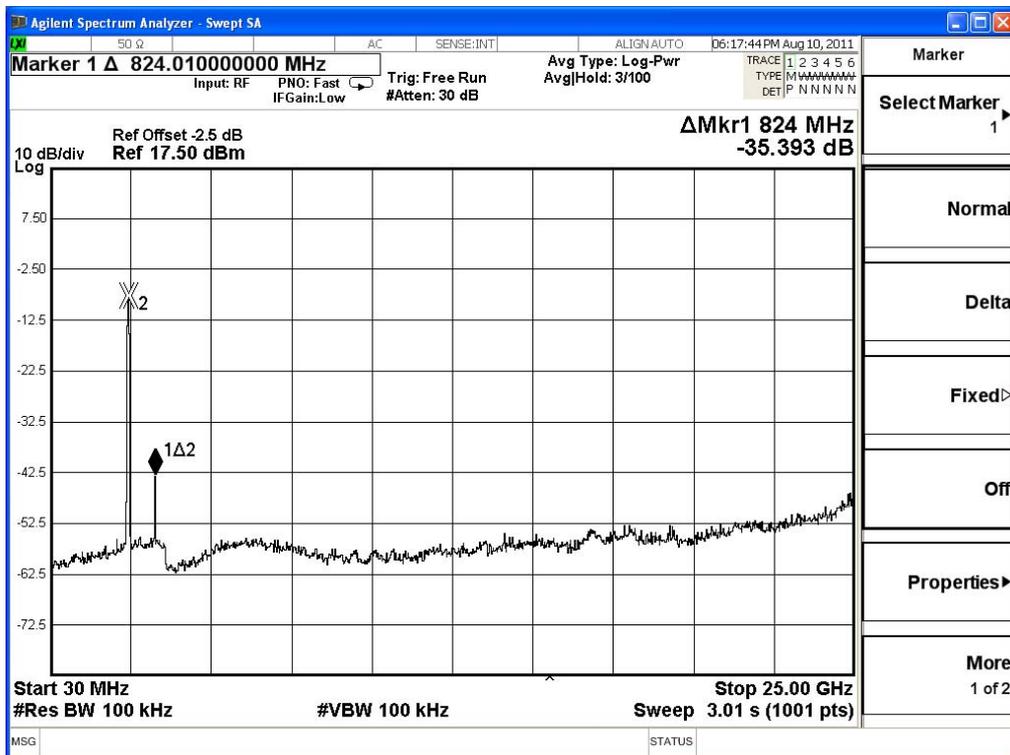
2462MHz (30MHz~25GHz)-802.11n(20MHz) ANT 1



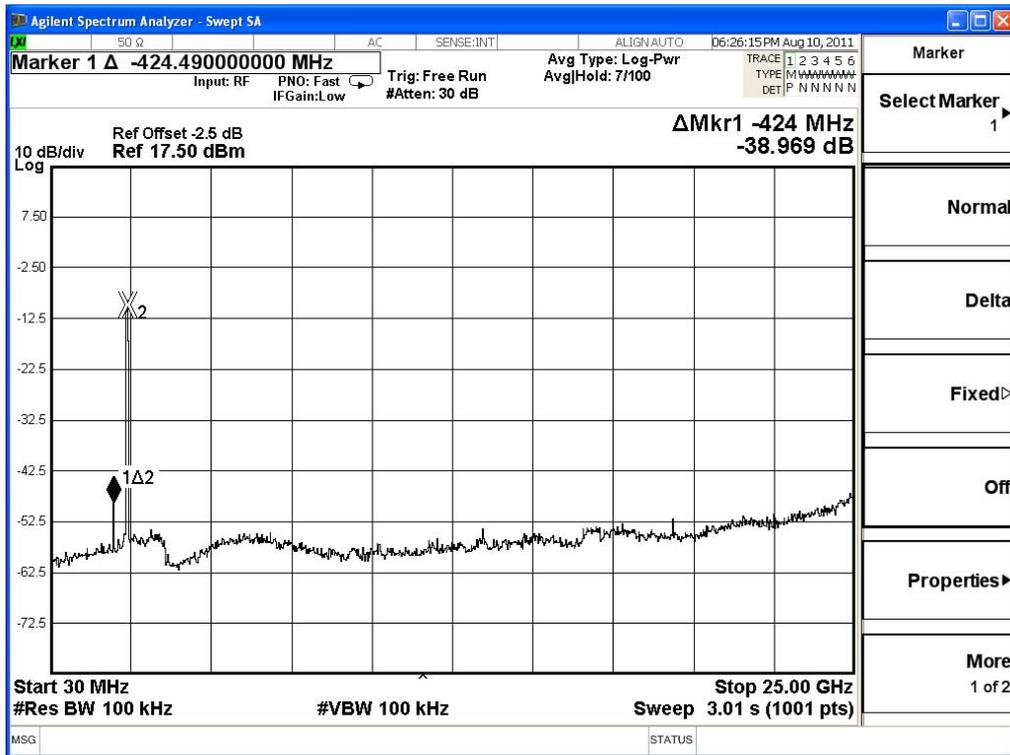
2422MHz (30MHz~25GHz)-802.11n(40MHz) ANT 0



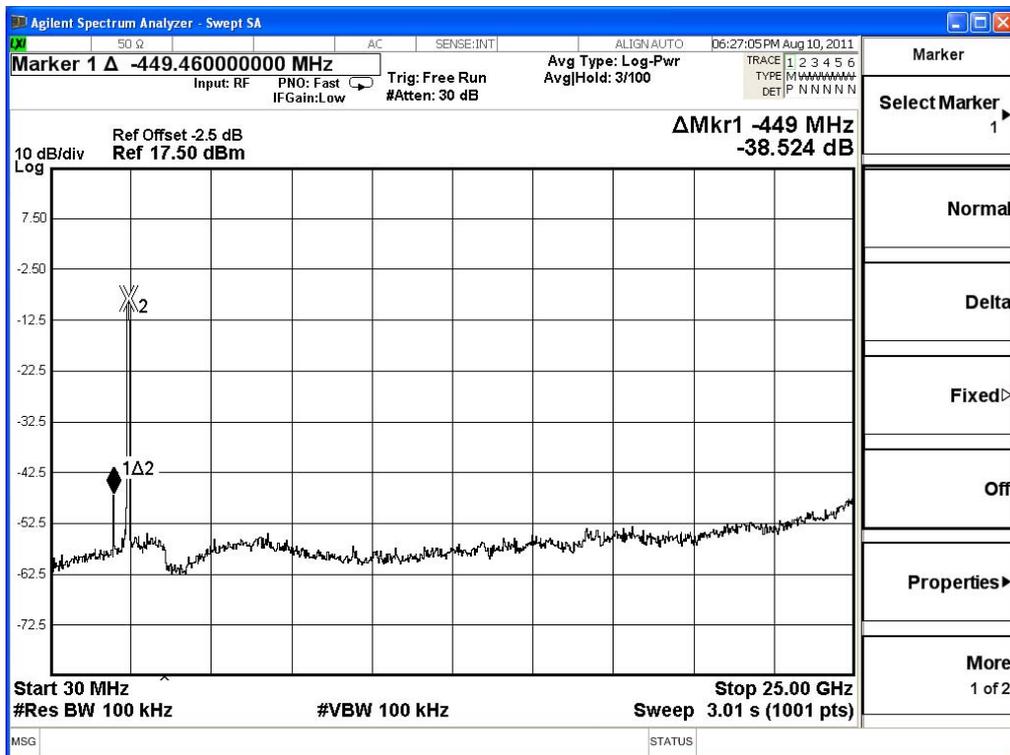
2452MHz (30MHz~25GHz)-802.11n(40MHz) ANT 0



2422MHz (30MHz~25GHz)-802.11n(40MHz) ANT 1



2452MHz (30MHz~25GHz)-802.11n(40MHz) ANT 1



6. Radiated Emission Band Edge

6.1. Test Equipment

The following test equipments are used during the test:

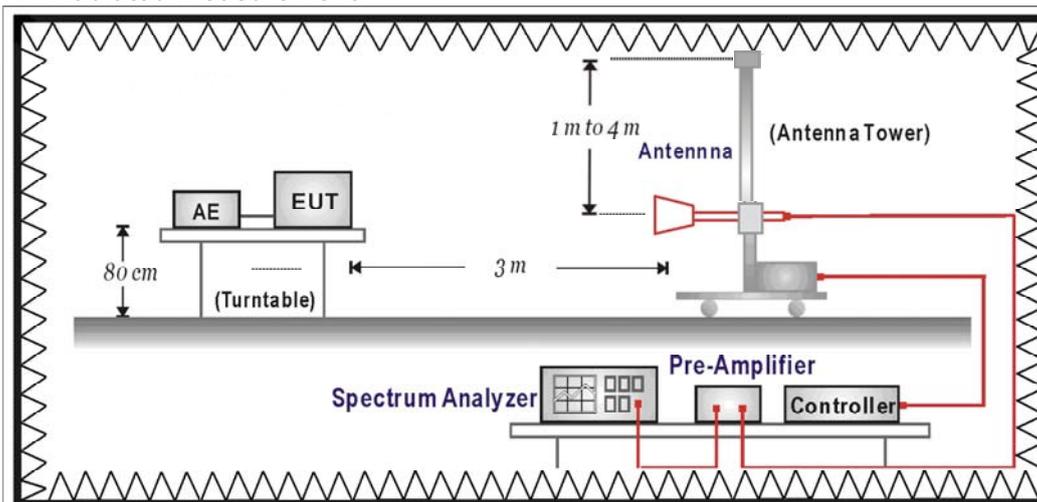
Band Edge / CB1

Instrument	Manufacturer	Model No.	Serial No	Next Cal. Date
Double Ridged Guide Horn Antenna	Schwarzback	BBHA 9120D	743	2012/02/24
PSA Series Spectrum analyzer	Agilent	E4440A	MY46187335	2012/01/06
Coaxial Cable	Huber+Suhner AG	Sucoflex 102	25623/2	2012/03/21

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

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: 2009 and tested according to DTS test procedure of Oct 2002 KDB558074 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: 2009 on radiated measurement.

6.5. Test Specification

According to FCC Part 15 Subpart C Paragraph 15.247: 2010

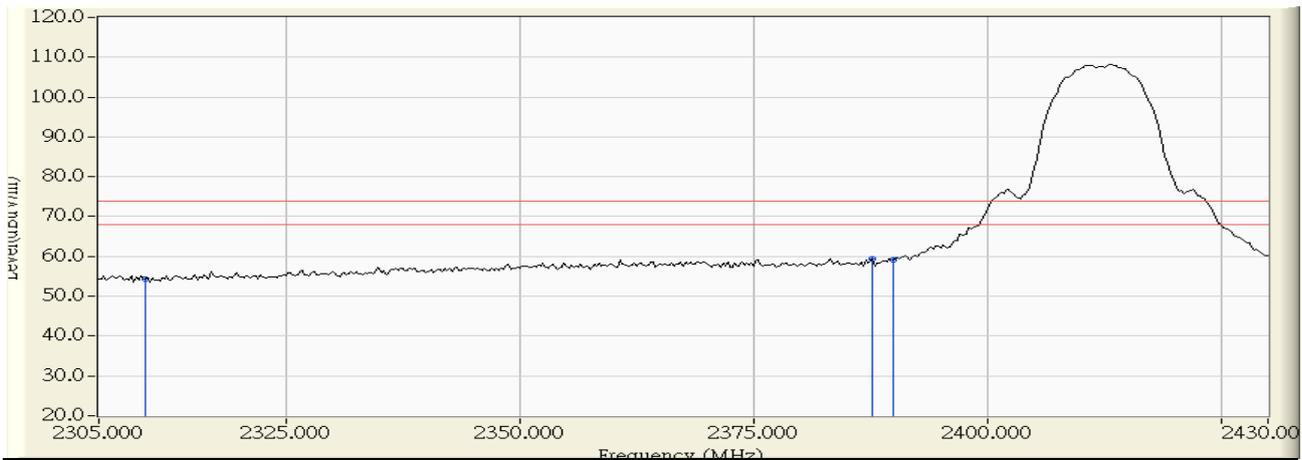
6.6. Uncertainty

The measurement uncertainty
 ± 3.9 dB above 1GHz

6.7. Test Result

Radiated is defined as

Site : CB1	Time : 2011/08/03 - 21:18
Limit : FCC_SpartC_15.209_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G(2011-05) - HORIZONTAL	Power : AC 120V/60Hz
EUT : Gigabit Wireless-N Router	Note : Mode 1: Transmit (Adapter: DVE, DSA-12G) -2412MHz,802.11b



	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	2310.000	29.125	25.106	54.231	-19.769	74.000	PEAK
2	* 2387.750	29.917	29.464	59.381	-14.619	74.000	PEAK
3	2390.000	29.940	29.202	59.142	-14.858	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 : CB1	Time : 2011/08/03 - 21:18
Limit : FCC_SpartC_15.209_03M_AV	Margin : 6
Probe : CB1_FCC_EFS_1-18G(2011-05) - HORIZONTAL	Power : AC 120V/60Hz
EUT : Gigabit Wireless-N Router	Note : Mode 1: Transmit (Adapter: DVE, DSA-12G) -2412MHz,802.11b

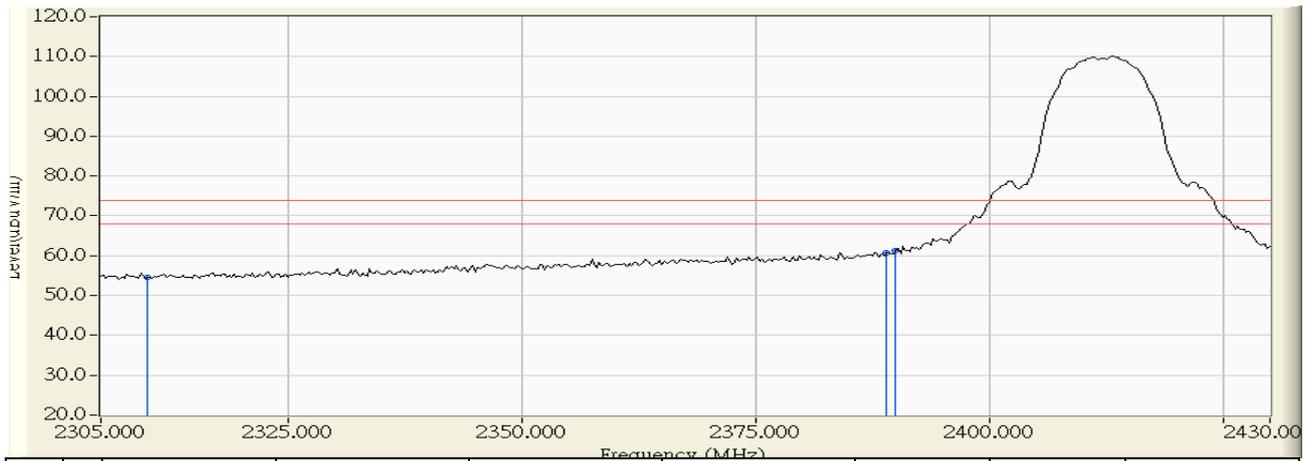


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	2310.000	29.125	14.350	43.475	-10.525	54.000	AVERAGE
2	2389.750	29.938	17.873	47.810	-6.190	54.000	AVERAGE
3	* 2390.000	29.940	17.943	47.883	-6.117	54.000	AVERAGE

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 : CB1	Time : 2011/08/03 - 21:11
Limit : FCC_SpartC_15.209_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G(2011-05) - VERTICAL	Power : AC 120V/60Hz
EUT : Gigabit Wireless-N Router	Note : Mode 1: Transmit (Adapter: DVE, DSA-12G) -2412MHz,802.11b



	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	2310.000	29.125	25.555	54.680	-19.320	74.000	PEAK
2	2389.000	29.930	30.698	60.628	-13.372	74.000	PEAK
3	* 2390.000	29.940	31.356	61.296	-12.704	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 : CB1	Time : 2011/08/03 - 21:13
Limit : FCC_SpartC_15.209_03M_AV	Margin : 6
Probe : CB1_FCC_EFS_1-18G(2011-05) - VERTICAL	Power : AC 120V/60Hz
EUT : Gigabit Wireless-N Router	Note : Mode 1: Transmit (Adapter: DVE, DSA-12G) -2412MHz,802.11b

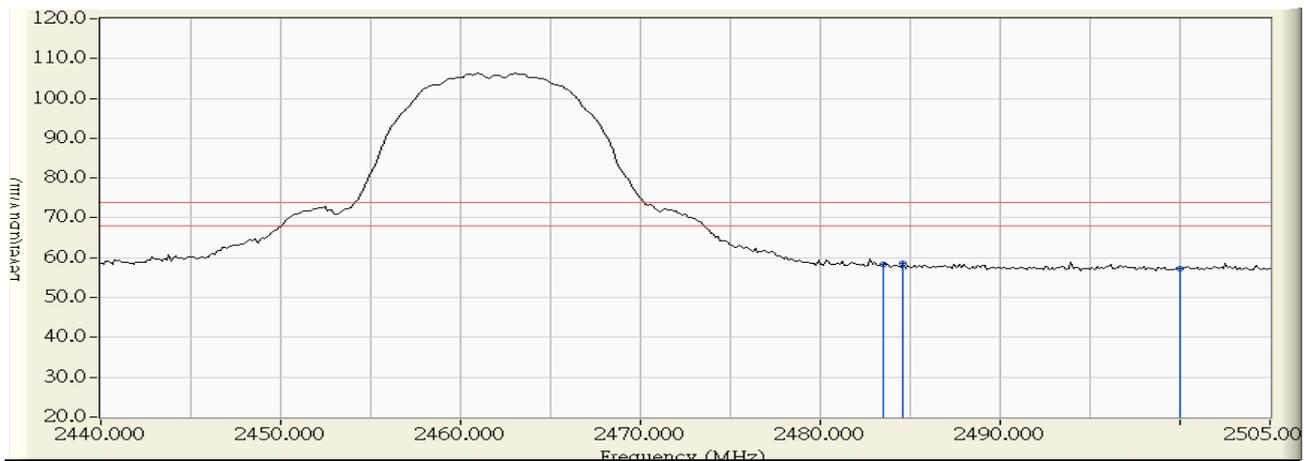


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	2310.000	29.125	14.502	43.627	-10.373	54.000	AVERAGE
2	2389.500	29.934	19.078	49.013	-4.987	54.000	AVERAGE
3	* 2390.000	29.940	19.239	49.179	-4.821	54.000	AVERAGE

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 : CB1	Time : 2011/08/03 - 21:31
Limit : FCC_SpartC_15.209_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G(2011-05) - HORIZONTAL	Power : AC 120V/60Hz
EUT : Gigabit Wireless-N Router	Note : Mode 1: Transmit (Adapter: DVE, DSA-12G) -2462MHz,802.11b



	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	2483.500	30.892	27.465	58.357	-15.643	74.000	PEAK
2	* 2484.590	30.903	27.683	58.586	-15.414	74.000	PEAK
3	2500.000	31.020	26.281	57.301	-16.699	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 : CB1	Time : 2011/08/03 - 21:32
Limit : FCC_SpartC_15.209_03M_AV	Margin : 6
Probe : CB1_FCC_EFS_1-18G(2011-05) - HORIZONTAL	Power : AC 120V/60Hz
EUT : Gigabit Wireless-N Router	Note : Mode 1: Transmit (Adapter: DVE, DSA-12G) -2462MHz,802.11b

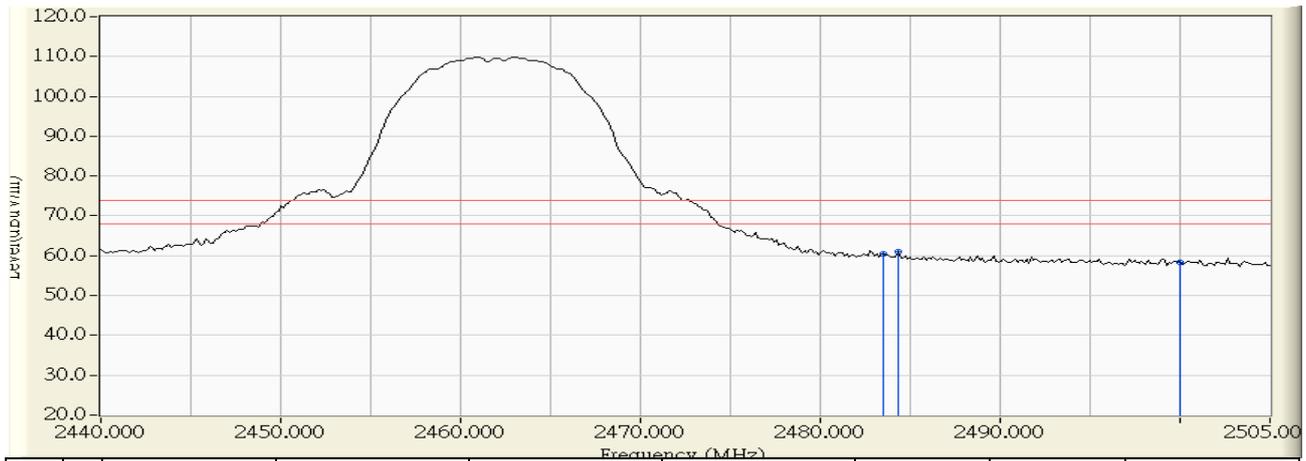


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	2483.500	30.892	15.621	46.513	-7.487	54.000	AVERAGE
2		2483.550	30.893	15.616	46.509	-7.491	54.000	AVERAGE
3		2500.000	31.020	14.591	45.611	-8.389	54.000	AVERAGE

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 : CB1	Time : 2011/08/03 - 21:25
Limit : FCC_SpartC_15.209_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G(2011-05) - VERTICAL	Power : AC 120V/60Hz
EUT : Gigabit Wireless-N Router	Note : Mode 1: Transmit (Adapter: DVE, DSA-12G) -2462MHz,802.11b



	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	2483.500	30.892	29.487	60.379	-13.621	74.000	PEAK
2	* 2484.330	30.901	30.160	61.061	-12.939	74.000	PEAK
3	2500.000	31.020	27.297	58.317	-15.683	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 : CB1	Time : 2011/08/03 - 21:26
Limit : FCC_SpartC_15.209_03M_AV	Margin : 6
Probe : CB1_FCC_EFS_1-18G(2011-05) - VERTICAL	Power : AC 120V/60Hz
EUT : Gigabit Wireless-N Router	Note : Mode 1: Transmit (Adapter: DVE, DSA-12G) -2462MHz,802.11b

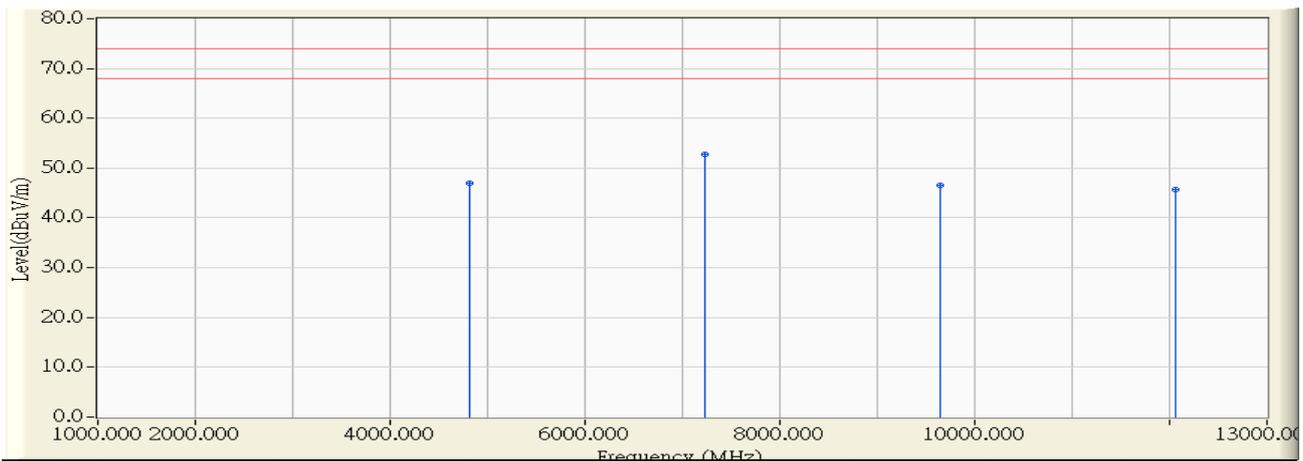


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	2483.500	30.892	17.440	48.332	-5.668	54.000	AVERAGE
2		2483.680	30.894	17.375	48.269	-5.731	54.000	AVERAGE
3		2500.000	31.020	15.471	46.491	-7.509	54.000	AVERAGE

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 : CB1	Time : 2011/08/04 - 17:04
Limit : FCC_SpartC_15.247_H_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G(2011-05) - HORIZONTAL	Power : AC 120V/60Hz
EUT : Gigabit Wireless-N Router	Note : Mode 1: Transmit (Adapter: DVE, DSA-12G) -2412MHz,802.11g

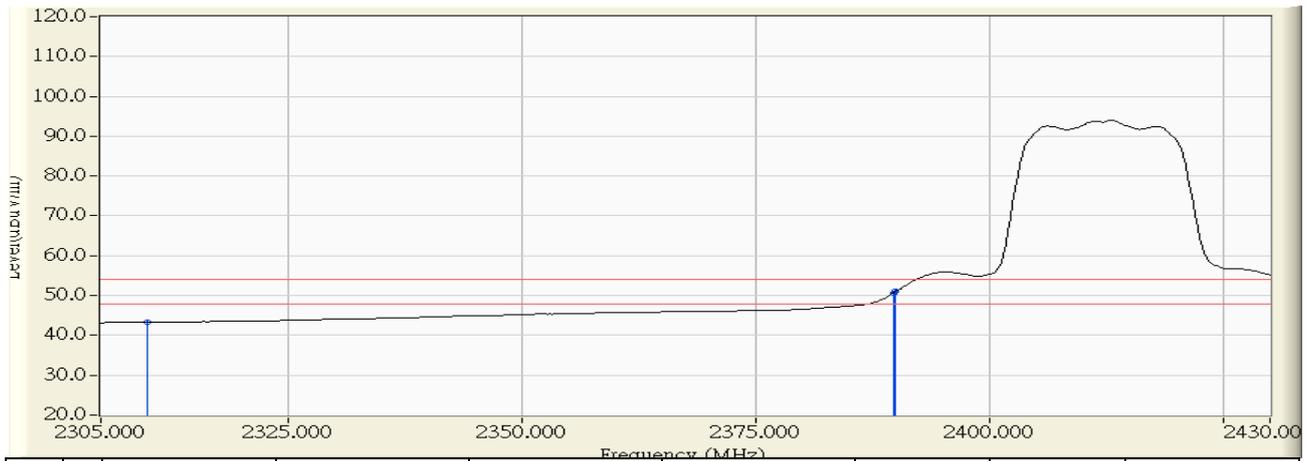


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	4821.920	-1.507	48.580	47.073	-26.927	74.000	PEAK
2	* 7234.200	4.753	48.040	52.794	-21.206	74.000	PEAK
3	9647.400	8.200	38.290	46.490	-27.510	74.000	PEAK
4	12060.300	10.225	35.520	45.745	-28.255	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 : CB1	Time : 2011/08/03 - 21:49
Limit : FCC_SpartC_15.209_03M_AV	Margin : 6
Probe : CB1_FCC_EFS_1-18G(2011-05) - HORIZONTAL	Power : AC 120V/60Hz
EUT : Gigabit Wireless-N Router	Note : Mode 1: Transmit (Adapter: DVE, DSA-12G) -2412MHz,802.11g

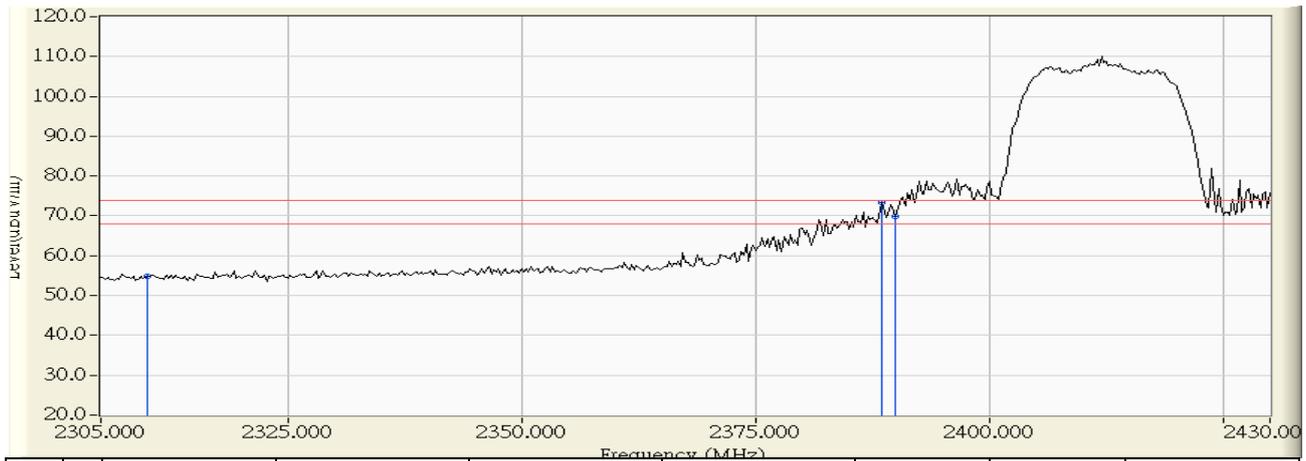


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	2310.000	29.125	14.173	43.298	-10.702	54.000	AVERAGE
2	2389.750	29.938	20.662	50.599	-3.401	54.000	AVERAGE
3	* 2390.000	29.940	21.056	50.996	-3.004	54.000	AVERAGE

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 : CB1	Time : 2011/08/03 - 21:45
Limit : FCC_SpartC_15.209_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G(2011-05) - VERTICAL	Power : AC 120V/60Hz
EUT : Gigabit Wireless-N Router	Note : Mode 1: Transmit (Adapter: DVE, DSA-12G) -2412MHz,802.11g

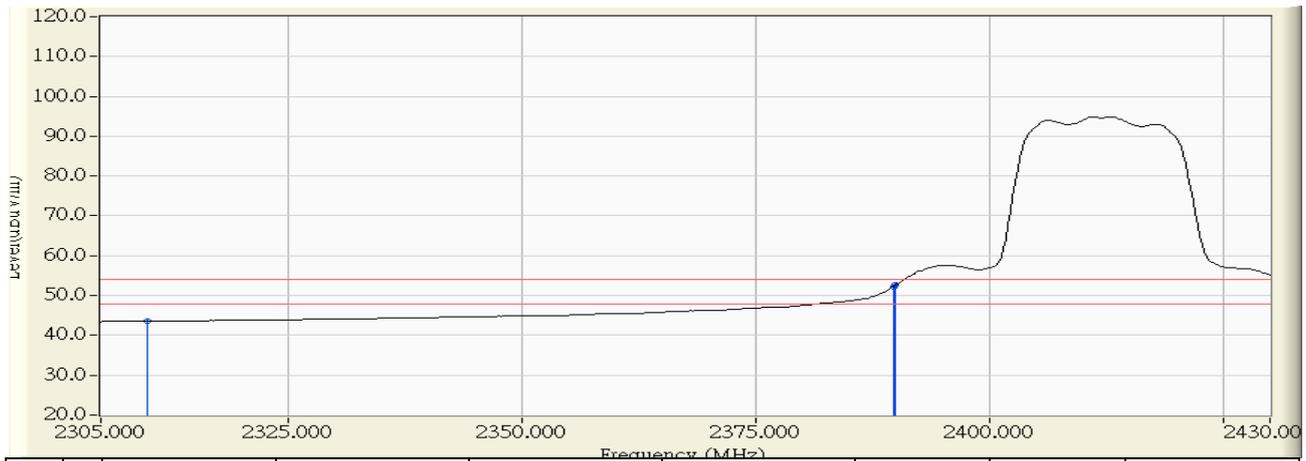


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	2310.000	29.125	25.729	54.854	-19.146	74.000	PEAK
2	* 2388.500	29.924	43.361	73.286	-0.714	74.000	PEAK
3	2390.000	29.940	39.935	69.875	-4.125	74.000	PEAK

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 : CB1	Time : 2011/08/03 - 21:46
Limit : FCC_SpartC_15.209_03M_AV	Margin : 6
Probe : CB1_FCC_EFS_1-18G(2011-05) - VERTICAL	Power : AC 120V/60Hz
EUT : Gigabit Wireless-N Router	Note : Mode 1: Transmit (Adapter: DVE, DSA-12G) -2412MHz,802.11g

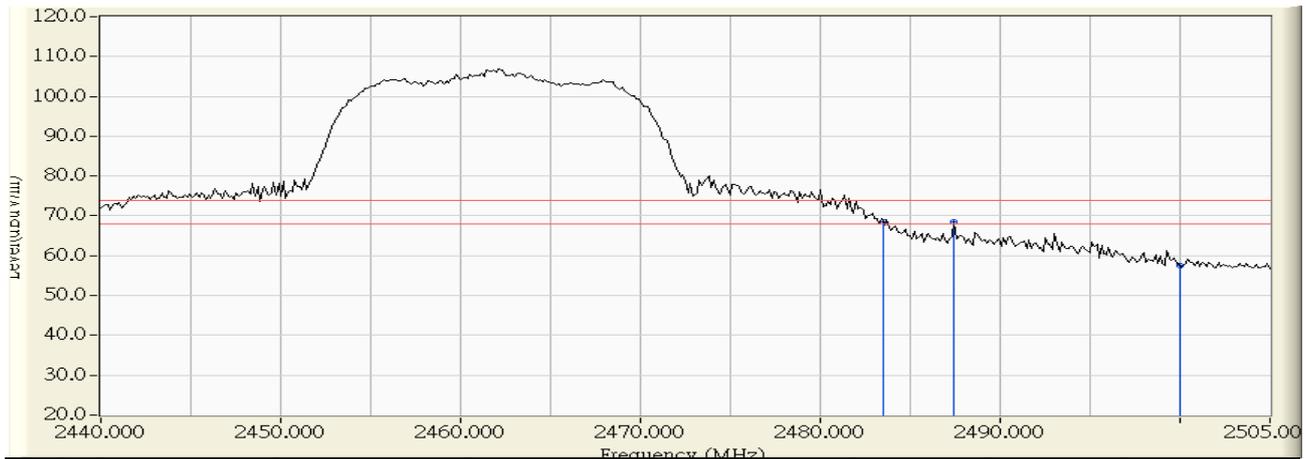


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	2310.000	29.125	14.440	43.565	-10.435	54.000	AVERAGE
2	2389.750	29.938	22.324	52.261	-1.739	54.000	AVERAGE
3	* 2390.000	29.940	22.694	52.634	-1.366	54.000	AVERAGE

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 : CB1	Time : 2011/08/03 - 21:40
Limit : FCC_SpartC_15.209_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G(2011-05) - HORIZONTAL	Power : AC 120V/60Hz
EUT : Gigabit Wireless-N Router	Note : Mode 1: Transmit (Adapter: DVE, DSA-12G) -2462MHz,802.11g



	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	2483.500	30.892	37.567	68.459	-5.541	74.000	PEAK
2	* 2487.450	30.933	37.715	68.647	-5.353	74.000	PEAK
3	2500.000	31.020	26.533	57.553	-16.447	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 : CB1	Time : 2011/08/03 - 21:41
Limit : FCC_SpartC_15.209_03M_AV	Margin : 6
Probe : CB1_FCC_EFS_1-18G(2011-05) - HORIZONTAL	Power : AC 120V/60Hz
EUT : Gigabit Wireless-N Router	Note : Mode 1: Transmit (Adapter: DVE, DSA-12G) -2462MHz,802.11g

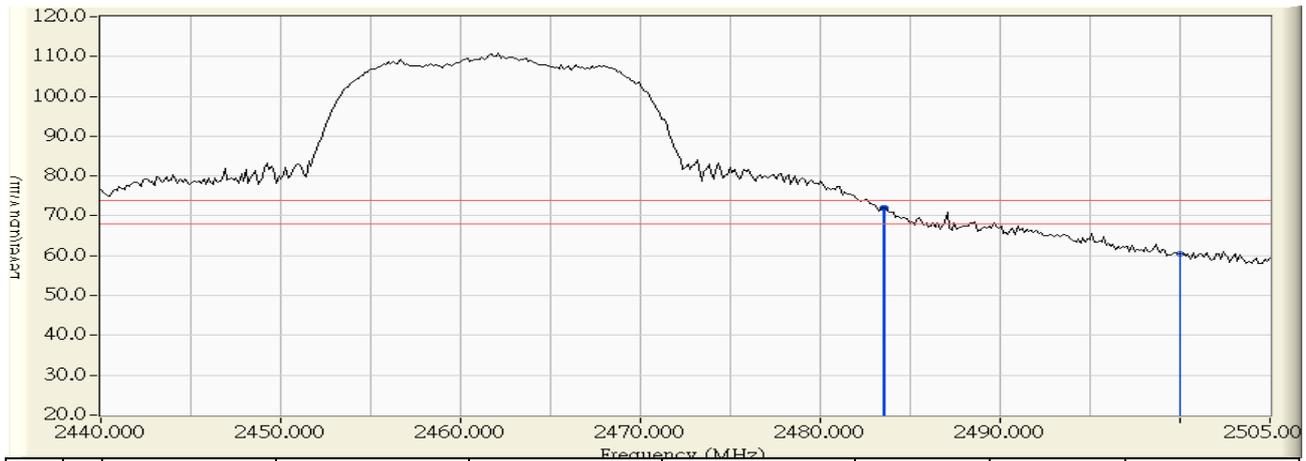


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	2483.500	30.892	17.289	48.181	-5.819	54.000	AVERAGE
2	* 2483.550	30.893	17.305	48.198	-5.802	54.000	AVERAGE
3	2500.000	31.020	14.400	45.420	-8.580	54.000	AVERAGE

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 : CB1	Time : 2011/08/03 - 21:36
Limit : FCC_SpartC_15.209_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G(2011-05) - VERTICAL	Power : AC 120V/60Hz
EUT : Gigabit Wireless-N Router	Note : Mode 1: Transmit (Adapter: DVE, DSA-12G) -2462MHz,802.11g



		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	2483.500	30.892	40.998	71.890	-2.110	74.000	PEAK
2		2483.550	30.893	40.997	71.890	-2.110	74.000	PEAK
3		2500.000	31.020	29.577	60.597	-13.403	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 : CB1	Time : 2011/08/03 - 21:37
Limit : FCC_SpartC_15.209_03M_AV	Margin : 6
Probe : CB1_FCC_EFS_1-18G(2011-05) - VERTICAL	Power : AC 120V/60Hz
EUT : Gigabit Wireless-N Router	Note : Mode 1: Transmit (Adapter: DVE, DSA-12G) -2462MHz,802.11g

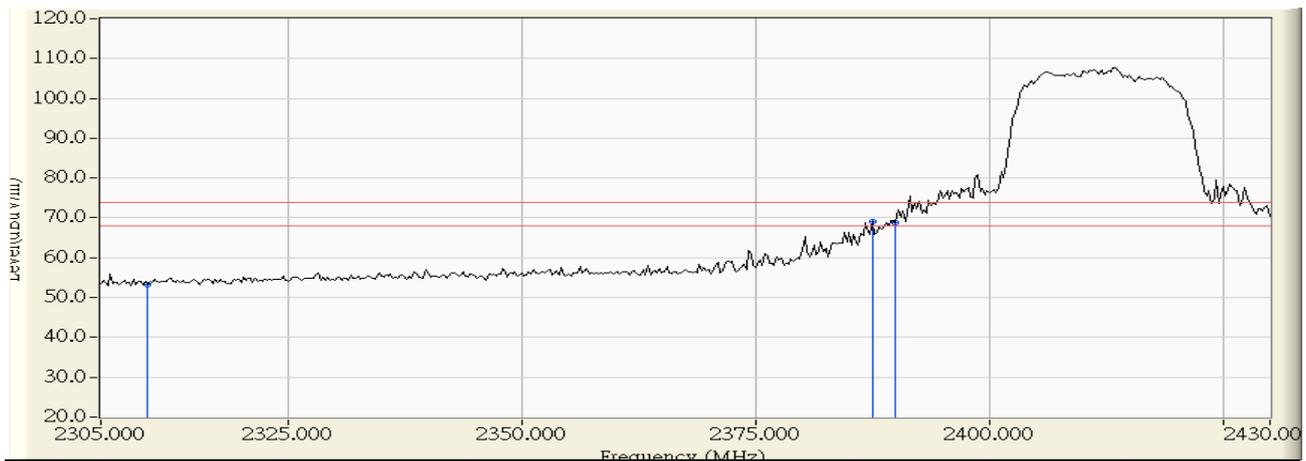


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	2483.500	30.892	19.751	50.643	-3.357	54.000	AVERAGE
2		2483.680	30.894	19.520	50.414	-3.586	54.000	AVERAGE
3		2500.000	31.020	15.137	46.157	-7.843	54.000	AVERAGE

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 : CB1	Time : 2011/08/03 - 21:58
Limit : FCC_SpartC_15.209_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G(2011-05) - HORIZONTAL	Power : AC 120V/60Hz
EUT : Gigabit Wireless-N Router	Note : Mode 1: Transmit (Adapter: DVE, DSA-12G) -2412MHz,802.11n(20M)



	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	2310.000	29.125	24.247	53.372	-20.628	74.000	PEAK
2	* 2387.500	29.915	39.131	69.046	-4.954	74.000	PEAK
3	2390.000	29.940	38.817	68.757	-5.243	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 : CB1	Time : 2011/08/03 - 21:59
Limit : FCC_SpartC_15.209_03M_AV	Margin : 6
Probe : CB1_FCC_EFS_1-18G(2011-05) - HORIZONTAL	Power : AC 120V/60Hz
EUT : Gigabit Wireless-N Router	Note : Mode 1: Transmit (Adapter: DVE, DSA-12G) -2412MHz,802.11n(20M)

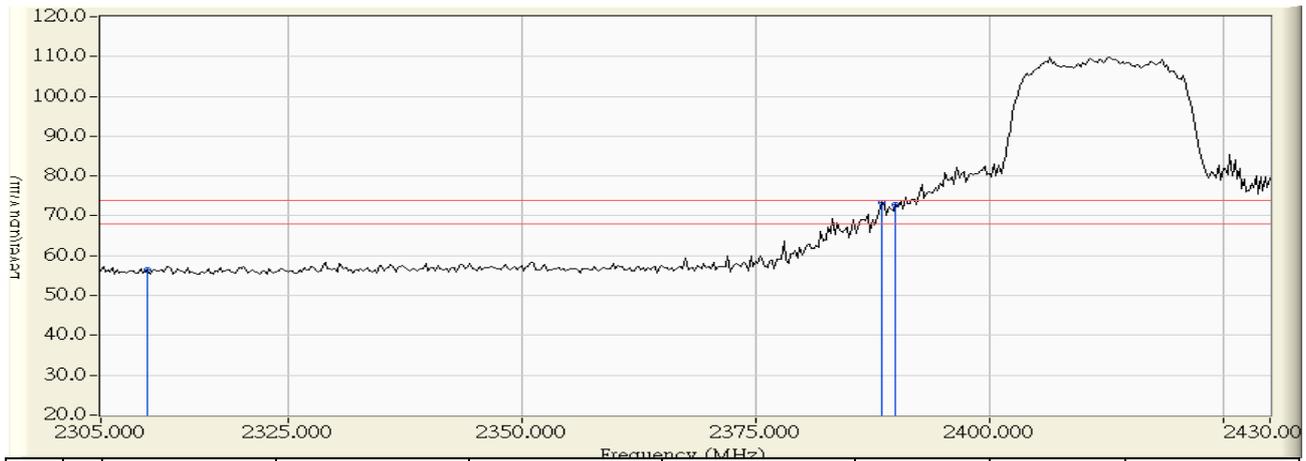


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	2310.000	29.125	14.248	43.373	-10.627	54.000	AVERAGE
2	2389.750	29.938	21.409	51.346	-2.654	54.000	AVERAGE
3	* 2390.000	29.940	21.698	51.638	-2.362	54.000	AVERAGE

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 : CB1	Time : 2011/08/03 - 21:53
Limit : FCC_SpartC_15.209_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G(2011-05) - VERTICAL	Power : AC 120V/60Hz
EUT : Gigabit Wireless-N Router	Note : Mode 1: Transmit (Adapter: DVE, DSA-12G) -2412MHz,802.11n(20M)

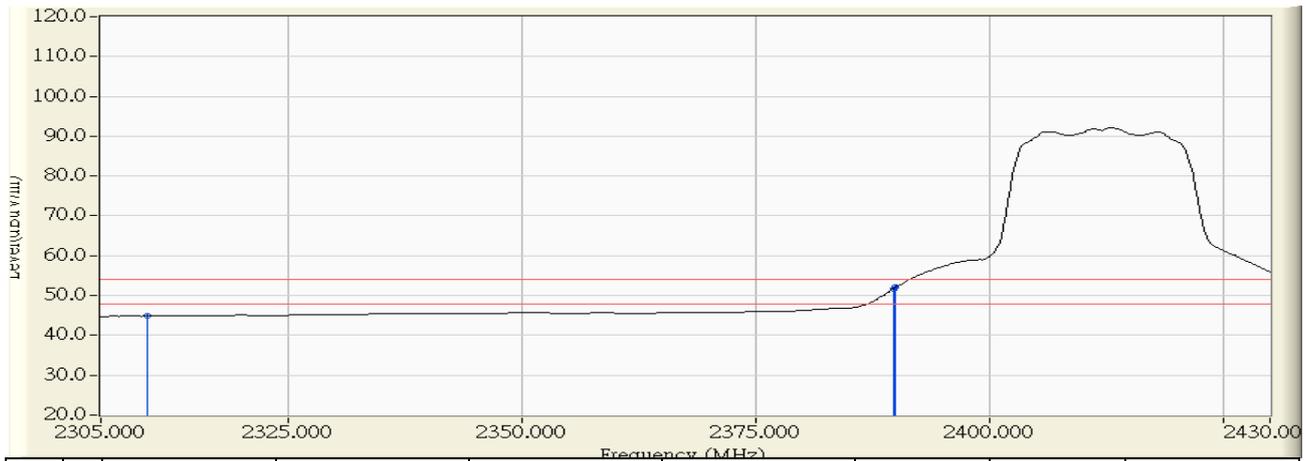


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	2310.000	29.125	27.217	56.342	-17.658	74.000	PEAK
2	* 2388.500	29.924	43.488	73.413	-0.587	74.000	PEAK
3	2390.000	29.940	42.805	72.745	-1.255	74.000	PEAK

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 : CB1	Time : 2011/08/03 - 21:55
Limit : FCC_SpartC_15.209_03M_AV	Margin : 6
Probe : CB1_FCC_EFS_1-18G(2011-05) - VERTICAL	Power : AC 120V/60Hz
EUT : Gigabit Wireless-N Router	Note : Mode 1: Transmit (Adapter: DVE, DSA-12G) -2412MHz,802.11n(20M)

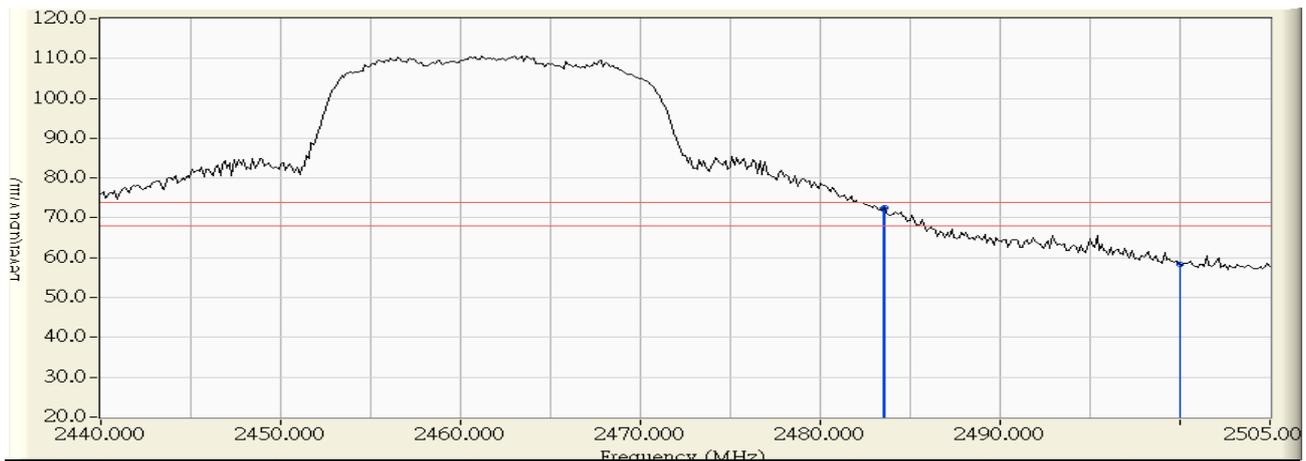


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	2310.000	29.125	15.702	44.827	-9.173	54.000	AVERAGE
2	2389.750	29.938	21.758	51.695	-2.305	54.000	AVERAGE
3	* 2390.000	29.940	22.104	52.044	-1.956	54.000	AVERAGE

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 : CB1	Time : 2011/08/03 - 22:07
Limit : FCC_SpartC_15.209_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G(2011-05) - HORIZONTAL	Power : AC 120V/60Hz
EUT : Gigabit Wireless-N Router	Note : Mode 1: Transmit (Adapter: DVE, DSA-12G) -2462MHz,802.11n(20M)

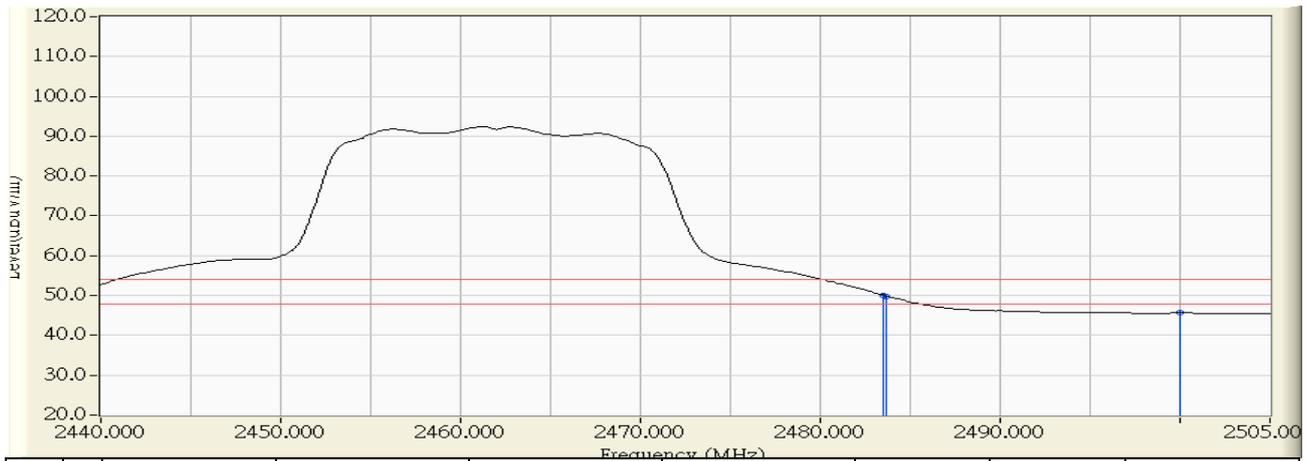


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	2483.500	30.892	41.434	72.326	-1.674	74.000	PEAK
2	* 2483.550	30.893	41.673	72.566	-1.434	74.000	PEAK
3	2500.000	31.020	27.300	58.320	-15.680	74.000	PEAK

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 : CB1	Time : 2011/08/03 - 22:08
Limit : FCC_SpartC_15.209_03M_AV	Margin : 6
Probe : CB1_FCC_EFS_1-18G(2011-05) - HORIZONTAL	Power : AC 120V/60Hz
EUT : Gigabit Wireless-N Router	Note : Mode 1: Transmit (Adapter: DVE, DSA-12G) -2462MHz,802.11n(20M)

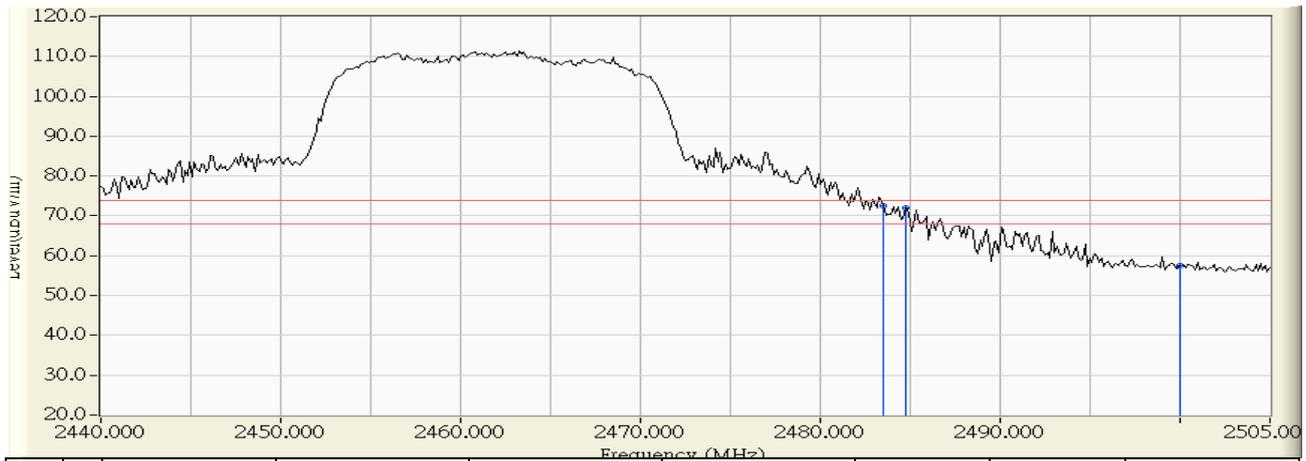


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	2483.500	30.892	19.213	50.105	-3.895	54.000	AVERAGE
2		2483.680	30.894	18.984	49.878	-4.122	54.000	AVERAGE
3		2500.000	31.020	14.746	45.766	-8.234	54.000	AVERAGE

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 : CB1	Time : 2011/08/03 - 22:03
Limit : FCC_SpartC_15.209_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G(2011-05) - VERTICAL	Power : AC 120V/60Hz
EUT : Gigabit Wireless-N Router	Note : Mode 1: Transmit (Adapter: DVE, DSA-12G) -2462MHz,802.11n(20M)



		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	2483.500	30.892	41.544	72.436	-1.564	74.000	PEAK
2		2484.720	30.904	40.990	71.894	-2.106	74.000	PEAK
3		2500.000	31.020	26.564	57.584	-16.416	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 : CB1	Time : 2011/08/03 - 22:04
Limit : FCC_SpartC_15.209_03M_AV	Margin : 6
Probe : CB1_FCC_EFS_1-18G(2011-05) - VERTICAL	Power : AC 120V/60Hz
EUT : Gigabit Wireless-N Router	Note : Mode 1: Transmit (Adapter: DVE, DSA-12G) -2462MHz,802.11n(20M)

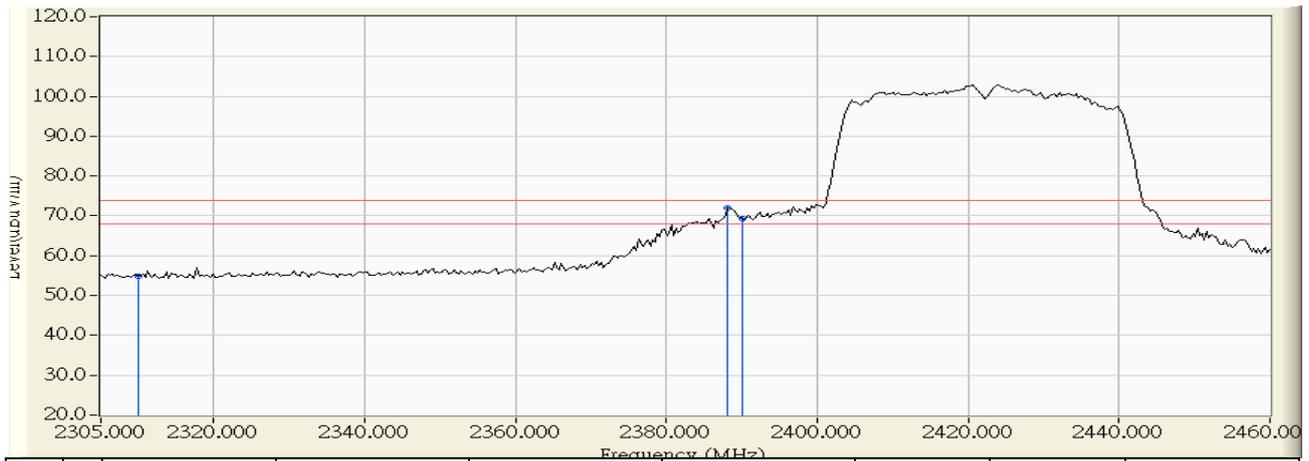


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	2483.500	30.892	19.793	50.685	-3.315	54.000	AVERAGE
2		2483.550	30.893	19.726	50.619	-3.381	54.000	AVERAGE
3		2500.000	31.020	15.315	46.335	-7.665	54.000	AVERAGE

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 : CB1	Time : 2011/08/03 - 22:24
Limit : FCC_SpartC_15.209_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G(2011-05) - HORIZONTAL	Power : AC 120V/60Hz
EUT : Gigabit Wireless-N Router	Note : Mode 1: Transmit (Adapter: DVE, DSA-12G) -2422MHz,802.11n(40M)



	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	2310.000	29.125	25.738	54.863	-19.137	74.000	PEAK
2	* 2388.080	29.920	42.090	72.010	-1.990	74.000	PEAK
3	2390.000	29.940	39.485	69.425	-4.575	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 : CB1	Time : 2011/08/03 - 22:25
Limit : FCC_SpartC_15.209_03M_AV	Margin : 6
Probe : CB1_FCC_EFS_1-18G(2011-05) - HORIZONTAL	Power : AC 120V/60Hz
EUT : Gigabit Wireless-N Router	Note : Mode 1: Transmit (Adapter: DVE, DSA-12G) -2422MHz,802.11n(40M)



	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	2310.000	29.125	13.938	43.063	-10.937	54.000	AVERAGE
2	* 2389.940	29.939	20.595	50.534	-3.466	54.000	AVERAGE
3	2390.000	29.940	20.579	50.519	-3.481	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 : CB1	Time : 2011/08/03 - 22:20
Limit : FCC_SpartC_15.209_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G(2011-05) - VERTICAL	Power : AC 120V/60Hz
EUT : Gigabit Wireless-N Router	Note : Mode 1: Transmit (Adapter: DVE, DSA-12G) -2422MHz,802.11n(40M)

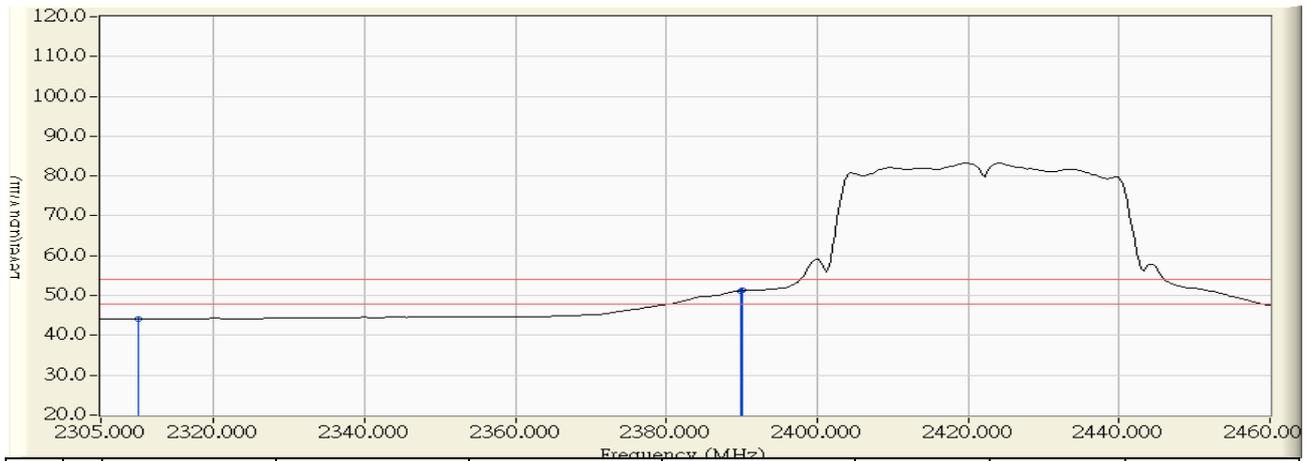


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	2310.000	29.125	26.046	55.171	-18.829	74.000	PEAK
2	* 2388.080	29.920	41.294	71.214	-2.786	74.000	PEAK
3	2390.000	29.940	38.505	68.445	-5.555	74.000	PEAK

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 : CB1	Time : 2011/08/03 - 22:21
Limit : FCC_SpartC_15.209_03M_AV	Margin : 6
Probe : CB1_FCC_EFS_1-18G(2011-05) - VERTICAL	Power : AC 120V/60Hz
EUT : Gigabit Wireless-N Router	Note : Mode 1: Transmit (Adapter: DVE, DSA-12G) -2422MHz,802.11n(40M)

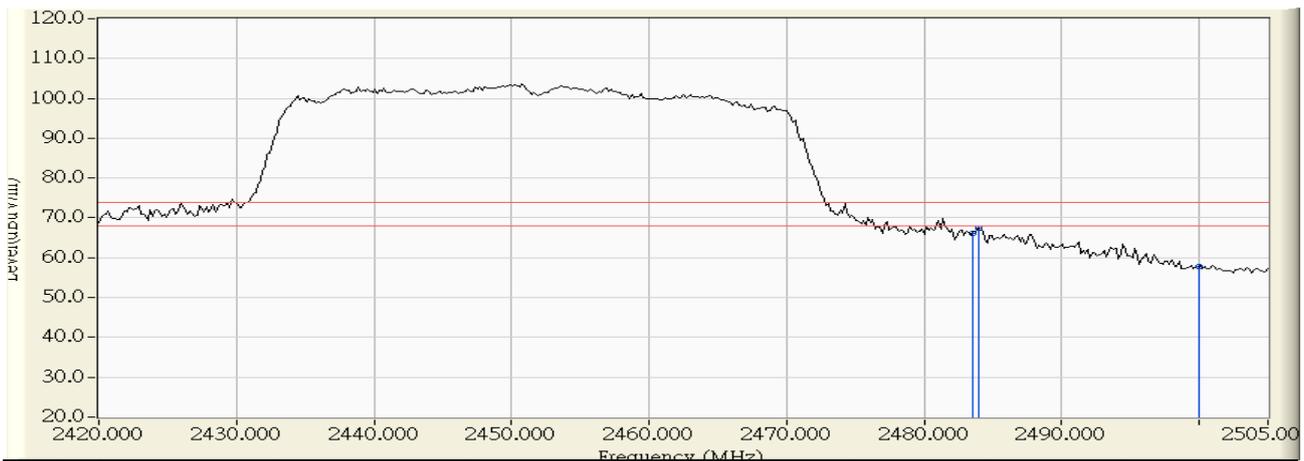


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	2310.000	29.125	14.957	44.082	-9.918	54.000	AVERAGE
2	2389.940	29.939	21.293	51.232	-2.768	54.000	AVERAGE
3	* 2390.000	29.940	21.296	51.236	-2.764	54.000	AVERAGE

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 : CB1	Time : 2011/08/03 - 22:16
Limit : FCC_SpartC_15.209_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G(2011-05) - HORIZONTAL	Power : AC 120V/60Hz
EUT : Gigabit Wireless-N Router	Note : Mode 1: Transmit (Adapter: DVE, DSA-12G) -2452MHz,802.11n(40M)



	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	2483.500	30.892	35.238	66.130	-7.870	74.000	PEAK
2	* 2483.920	30.896	36.449	67.345	-6.655	74.000	PEAK
3	2500.000	31.020	26.793	57.813	-16.187	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 : CB1	Time : 2011/08/03 - 22:16
Limit : FCC_SpartC_15.209_03M_AV	Margin : 6
Probe : CB1_FCC_EFS_1-18G(2011-05) - HORIZONTAL	Power : AC 120V/60Hz
EUT : Gigabit Wireless-N Router	Note : Mode 1: Transmit (Adapter: DVE, DSA-12G) -2452MHz,802.11n(40M)

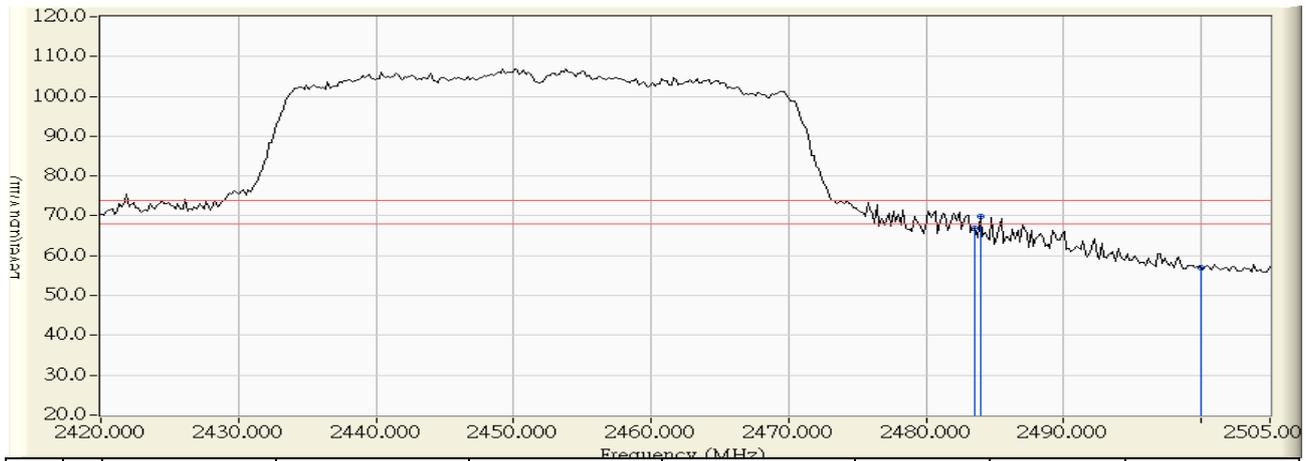


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	2483.450	30.892	17.875	48.767	-5.233	54.000	AVERAGE
2		2483.500	30.892	17.874	48.766	-5.234	54.000	AVERAGE
3		2500.000	31.020	14.388	45.408	-8.592	54.000	AVERAGE

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 : CB1	Time : 2011/08/03 - 22:12
Limit : FCC_SpartC_15.209_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G(2011-05) - VERTICAL	Power : AC 120V/60Hz
EUT : Gigabit Wireless-N Router	Note : Mode 1: Transmit (Adapter: DVE, DSA-12G) -2452MHz,802.11n(40M)



	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	2483.500	30.892	36.031	66.923	-7.077	74.000	PEAK
2	* 2483.920	30.896	39.103	69.999	-4.001	74.000	PEAK
3	2500.000	31.020	25.893	56.913	-17.087	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 : CB1	Time : 2011/08/03 - 22:12
Limit : FCC_SpartC_15.209_03M_AV	Margin : 6
Probe : CB1_FCC_EFS_1-18G(2011-05) - VERTICAL	Power : AC 120V/60Hz
EUT : Gigabit Wireless-N Router	Note : Mode 1: Transmit (Adapter: DVE, DSA-12G) -2452MHz,802.11n(40M)



		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	2483.500	30.892	19.890	50.782	-3.218	54.000	AVERAGE
2		2483.750	30.895	19.741	50.636	-3.364	54.000	AVERAGE
3		2500.000	31.020	14.998	46.018	-7.982	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

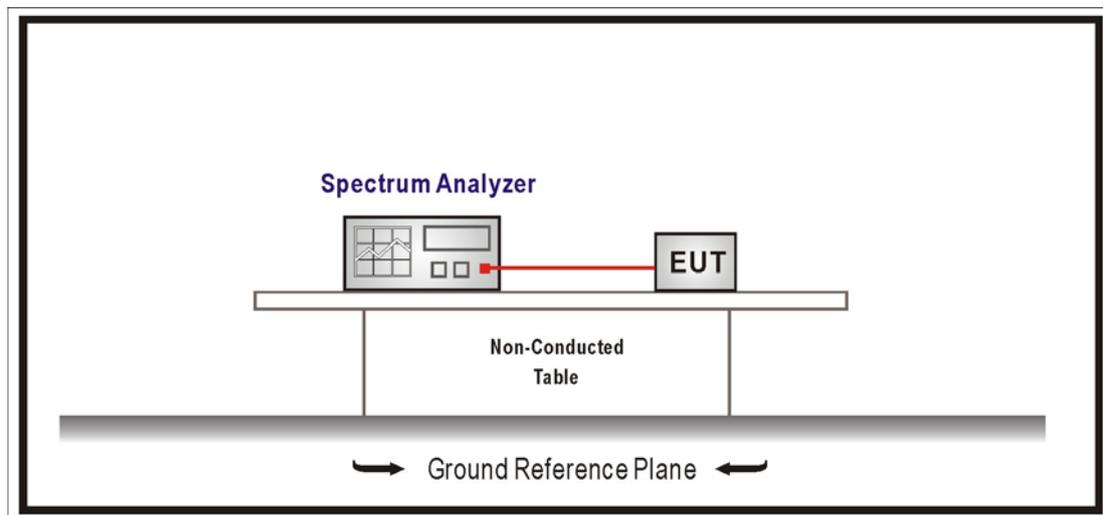
The following test equipment is used during the test:

Occupied Bandwidth / SR7

Instrument	Manufacturer	Model No.	Serial No	Next Cal. Date
Spectrum Analyzer	R&S	FSP	100561	2012/01/16

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

7.2. Test Setup



7.3. Test Procedures

The EUT was setup according to ANSI C63.4: 2009; 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. Test Specification

According to FCC Part 15 Subpart C Paragraph 15.247: 2010

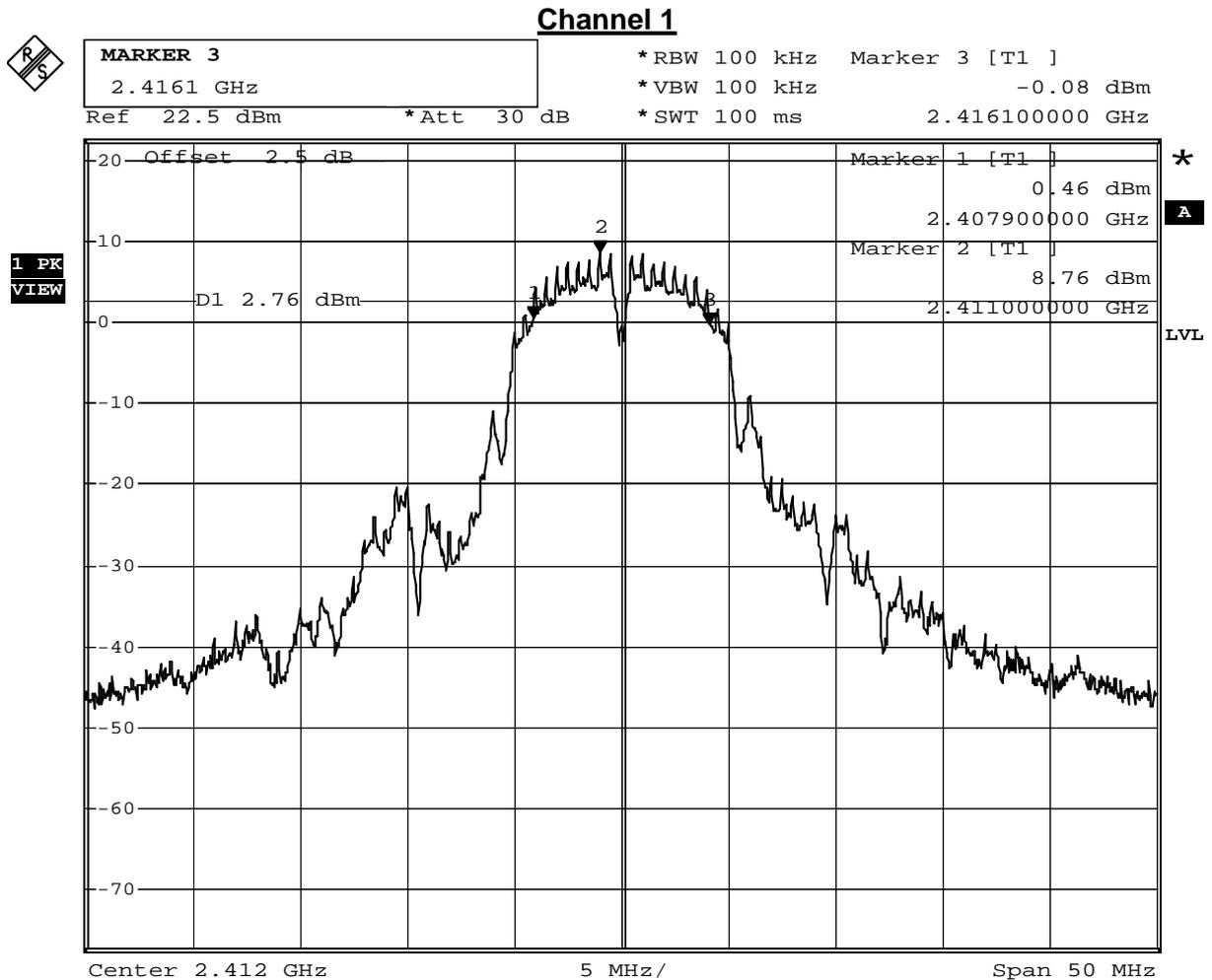
7.6. Uncertainty

The measurement uncertainty is defined as $\pm 150\text{Hz}$

7.7. Test Result

Product	Gigabit Wireless-N Router		
Test Item	Occupied Bandwidth		
Test Mode	Transmit		
Date of Test	2011/08/09	Test Site	SR7

802.11 b				
Channel No.	Frequency (MHz)	Measurement Level (MHz)	Required Limit (kHz)	Result
1	2412	8.2	≥ 500	Pass
6	2437	9.0	≥ 500	Pass
11	2462	9.0	≥ 500	Pass



Date: 9.AUG.2011 11:42:26

Channel 11

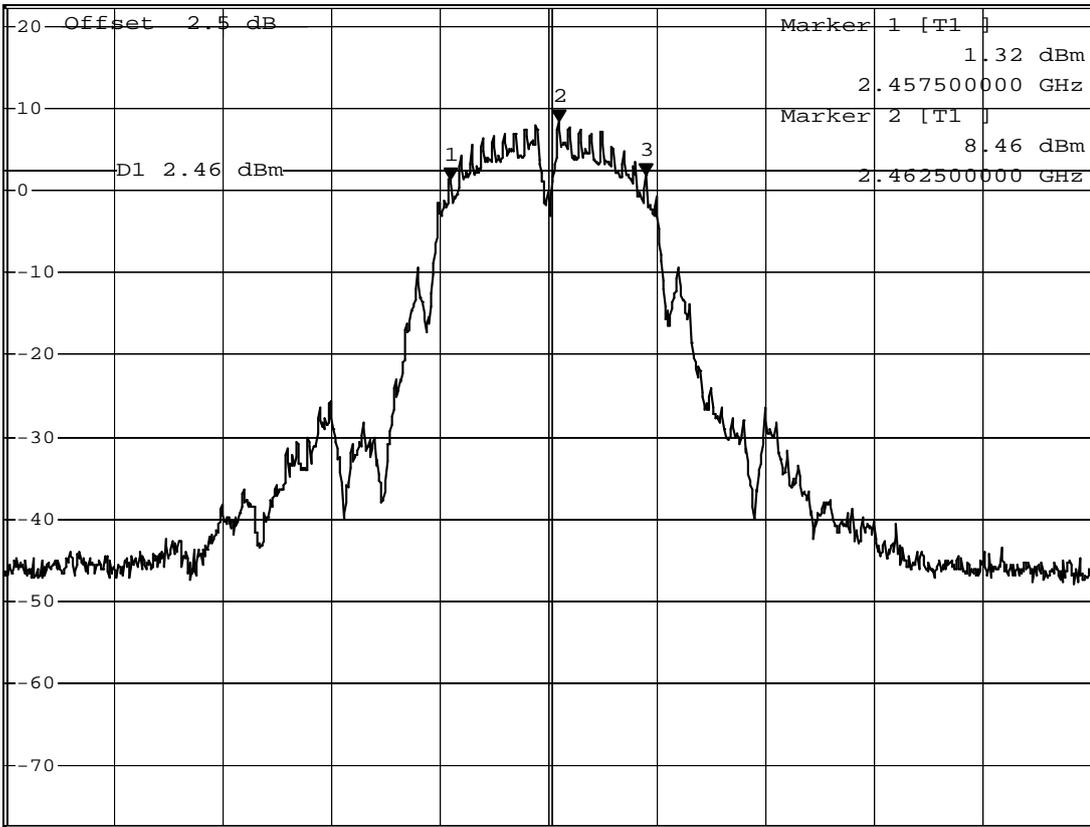


MARKER 3
2.4665 GHz

*RBW 100 kHz Marker 3 [T1]
*VBW 100 kHz 1.92 dBm
*SWT 100 ms 2.466500000 GHz

Ref 22.5 dBm *Att 30 dB

1 PK
VIEW



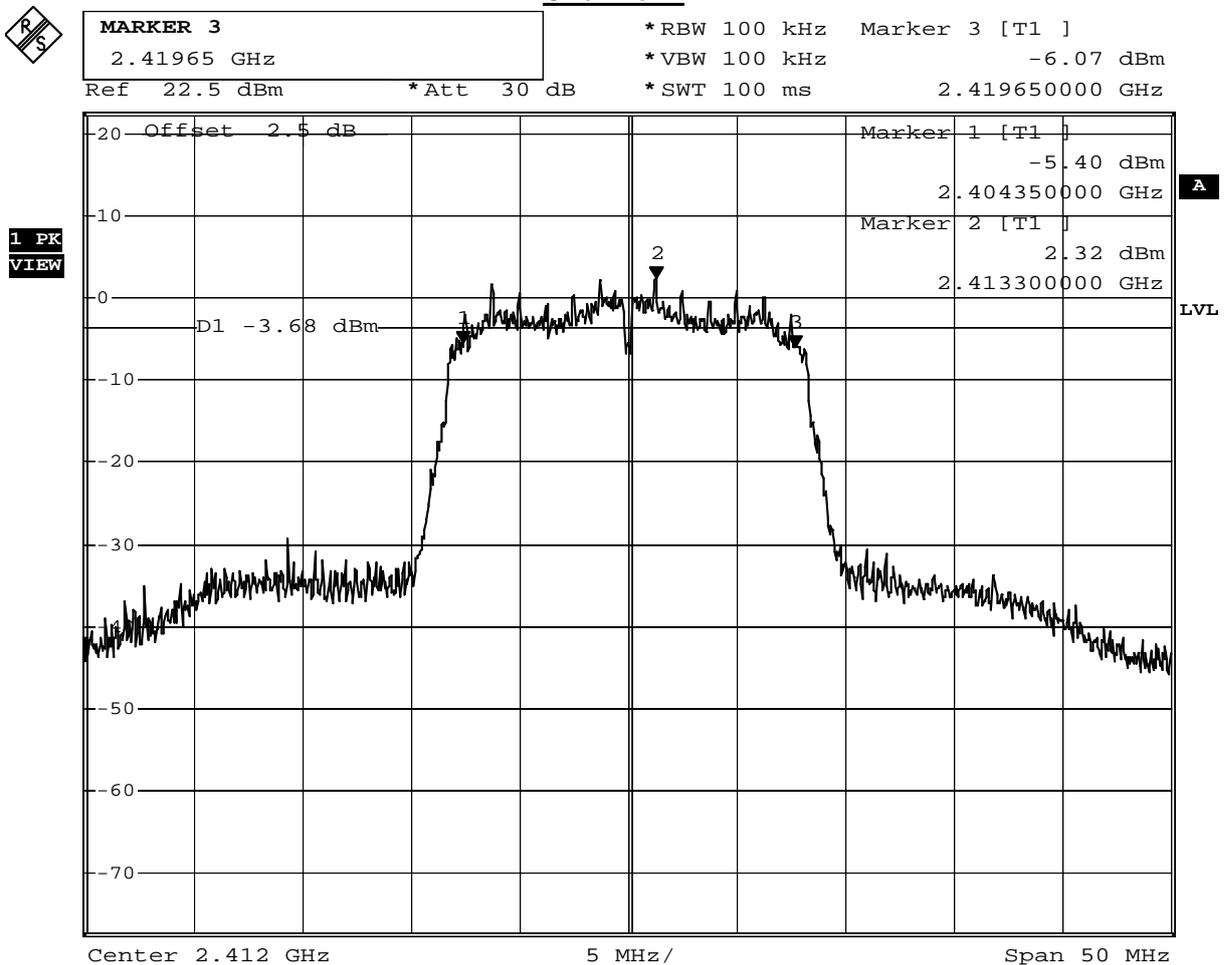
Center 2.462 GHz 5 MHz/ Span 50 MHz

Date: 9.AUG.2011 11:49:41

Product	Gigabit Wireless-N Router		
Test Item	Occupied Bandwidth		
Test Mode	Transmit		
Date of Test	2011/08/09	Test Site	SR7

IEEE 802.11g				
Channel No.	Frequency (MHz)	Measurement Level (MHz)	Required Limit (kHz)	Result
1	2412	15.3	≥ 500	Pass
6	2437	15.3	≥ 500	Pass
11	2462	15.25	≥ 500	Pass

Channel 1



Date: 9.AUG.2011 11:55:13

Channel 6

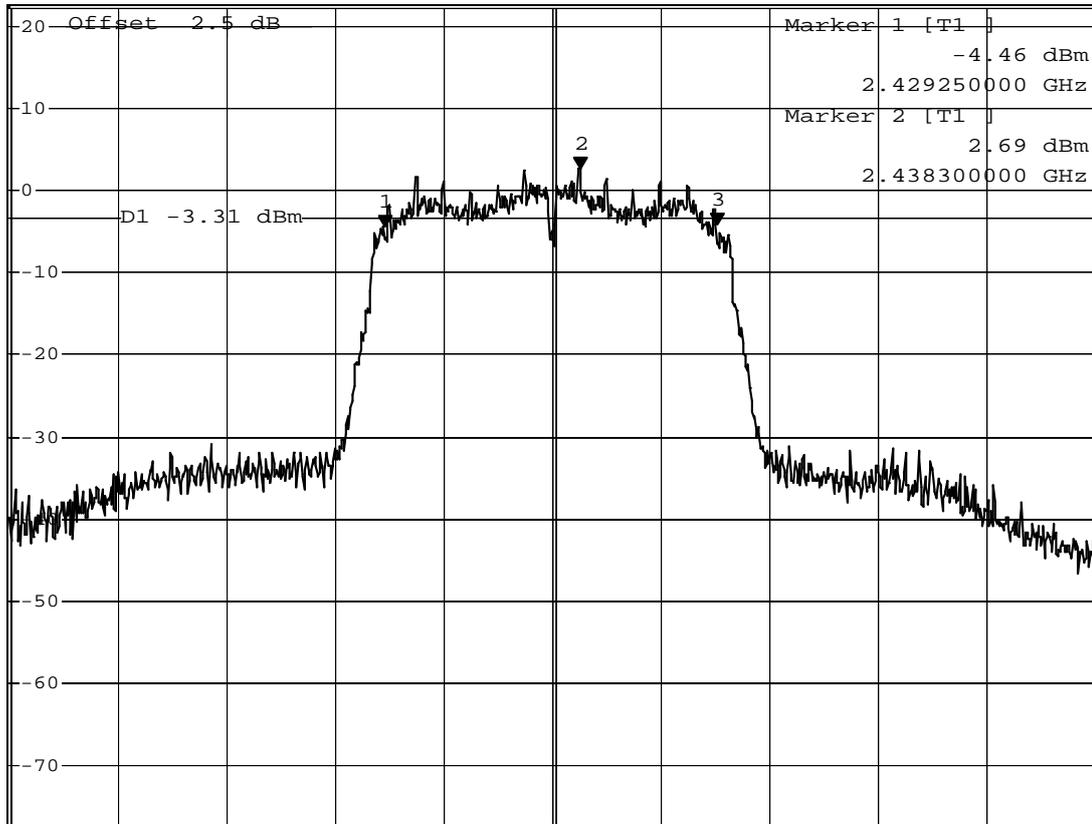


MARKER 3
2.44455 GHz

*RBW 100 kHz Marker 3 [T1]
*VBW 100 kHz -4.03 dBm
*SWT 100 ms 2.444550000 GHz

Ref 22.5 dBm *Att 30 dB

1 PK
VIEW



LVL

Center 2.437 GHz 5 MHz/ Span 50 MHz

Date: 9.AUG.2011 11:57:50

Channel 11

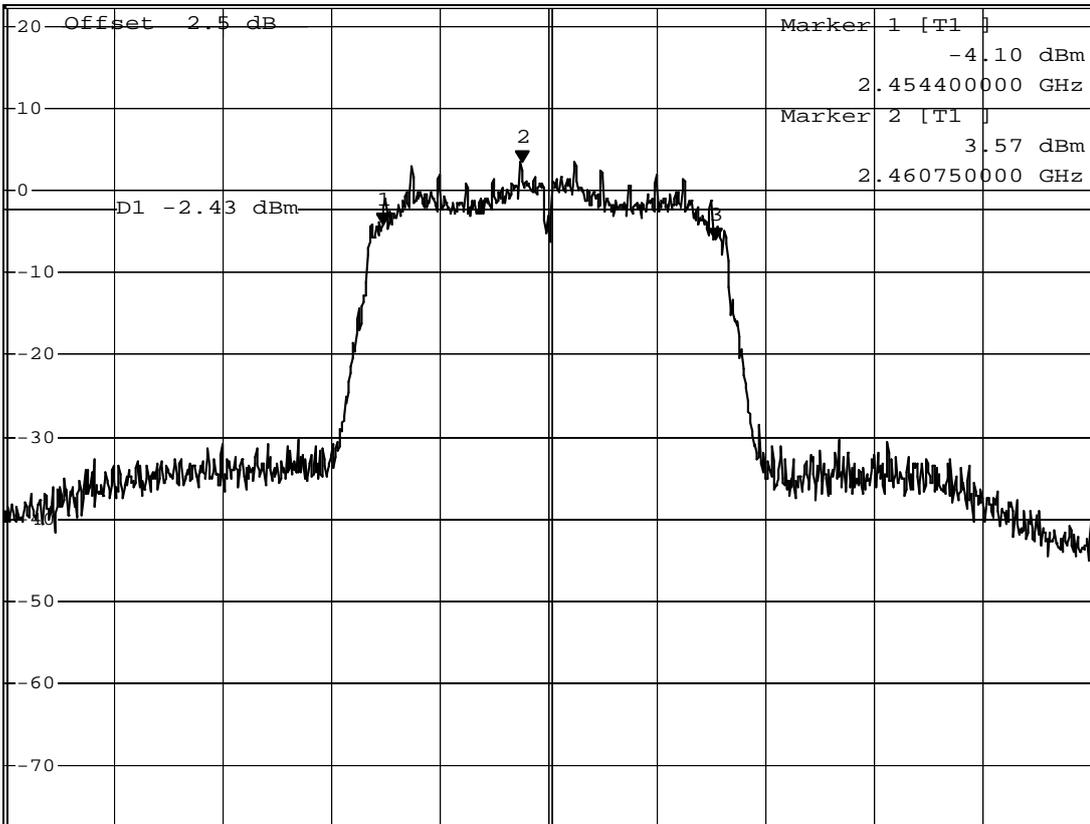


MARKER 3
2.46965 GHz

*RBW 100 kHz Marker 3 [T1]
*VBW 100 kHz -5.96 dBm
*SWT 100 ms 2.469650000 GHz

Ref 22.5 dBm *Att 30 dB

1 PK
VIEW



Center 2.462 GHz

5 MHz/

Span 50 MHz

Date: 9.AUG.2011 12:00:42

Product	Gigabit Wireless-N Router		
Test Item	Occupied Bandwidth		
Test Mode	Transmit		
Date of Test	2011/08/09	Test Site	SR7

IEEE 802.11n (20MHz) ANT 0				
Channel No.	Frequency (MHz)	Measurement Level (MHz)	Required Limit (kHz)	Result
1	2412	16.1	≥ 500	Pass
6	2437	17.0	≥ 500	Pass
11	2462	16.85	≥ 500	Pass

Channel 1

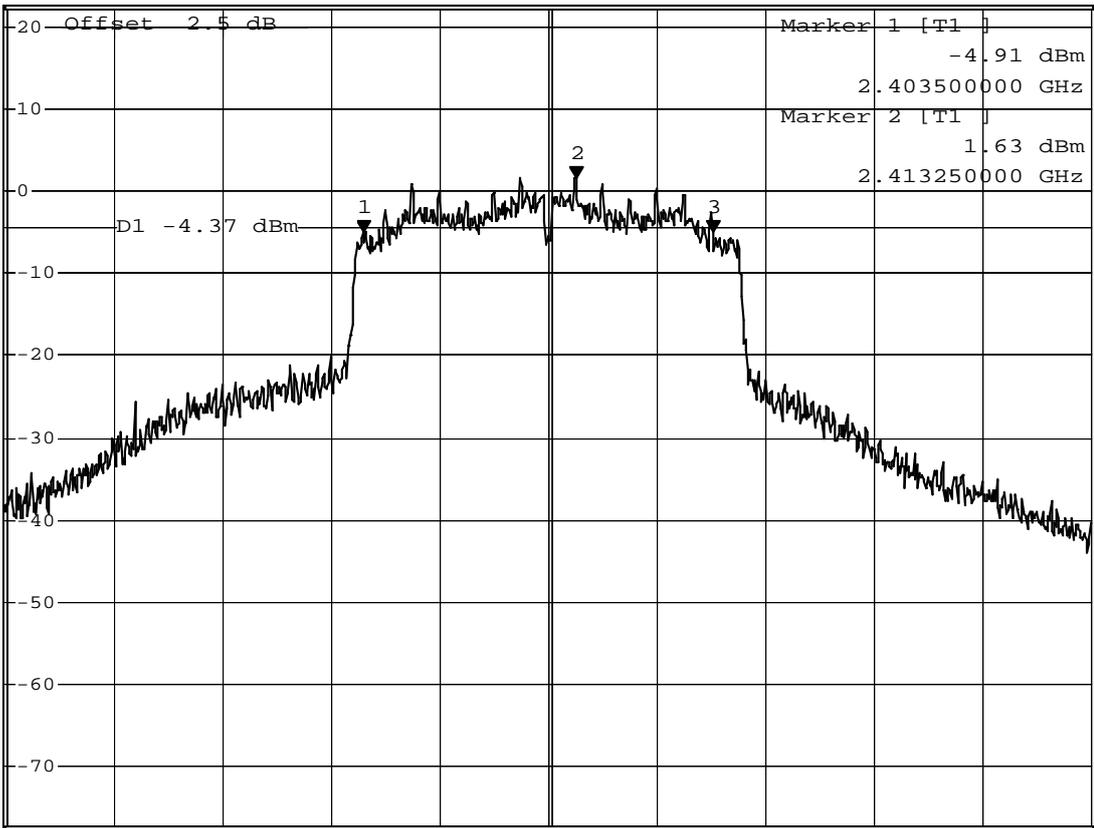


MARKER 3
2.4196 GHz

Ref 22.5 dBm *Att 30 dB

*RBW 100 kHz Marker 3 [T1]
*VBW 100 kHz -4.84 dBm
*SWT 100 ms 2.41960000 GHz

1 PK
VIEW



Center 2.412 GHz 5 MHz/ Span 50 MHz

Date: 9.AUG.2011 13:13:02

Channel 6

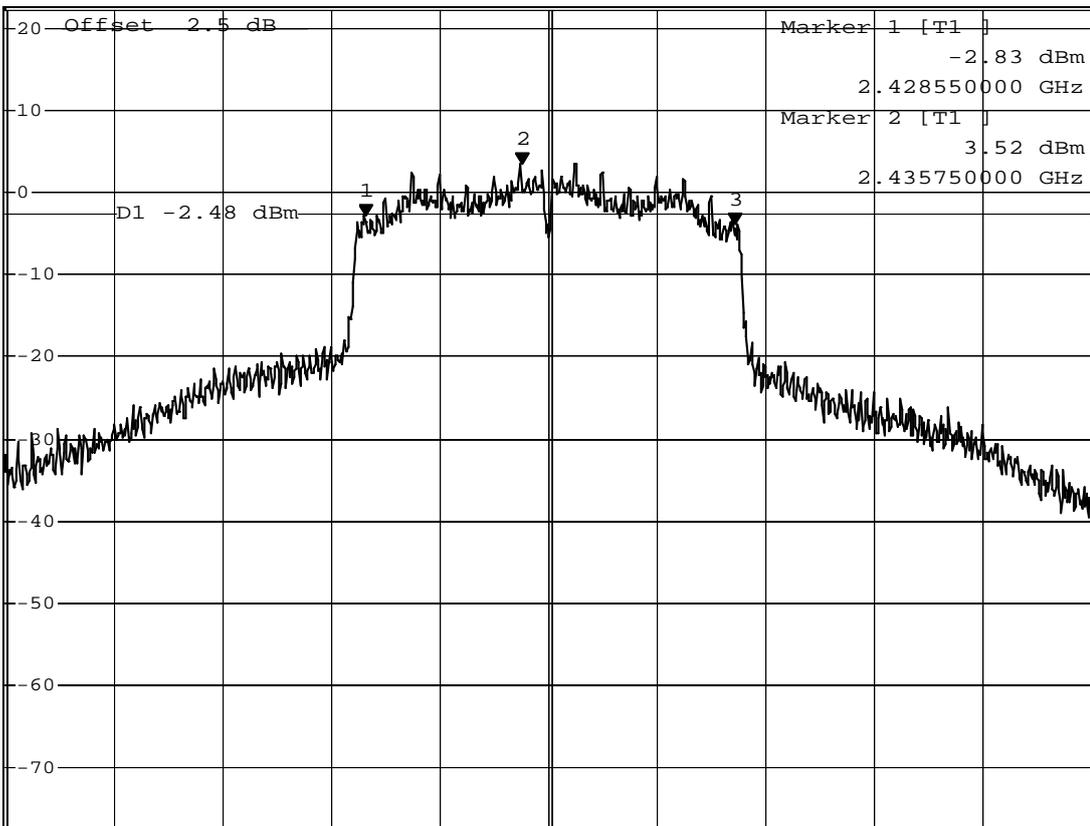


MARKER 3
2.44555 GHz

*RBW 100 kHz Marker 3 [T1]
*VBW 100 kHz -3.86 dBm
*SWT 100 ms 2.445550000 GHz

Ref 22.5 dBm *Att 30 dB

1 PK
VIEW



LVL

Center 2.437 GHz

5 MHz/

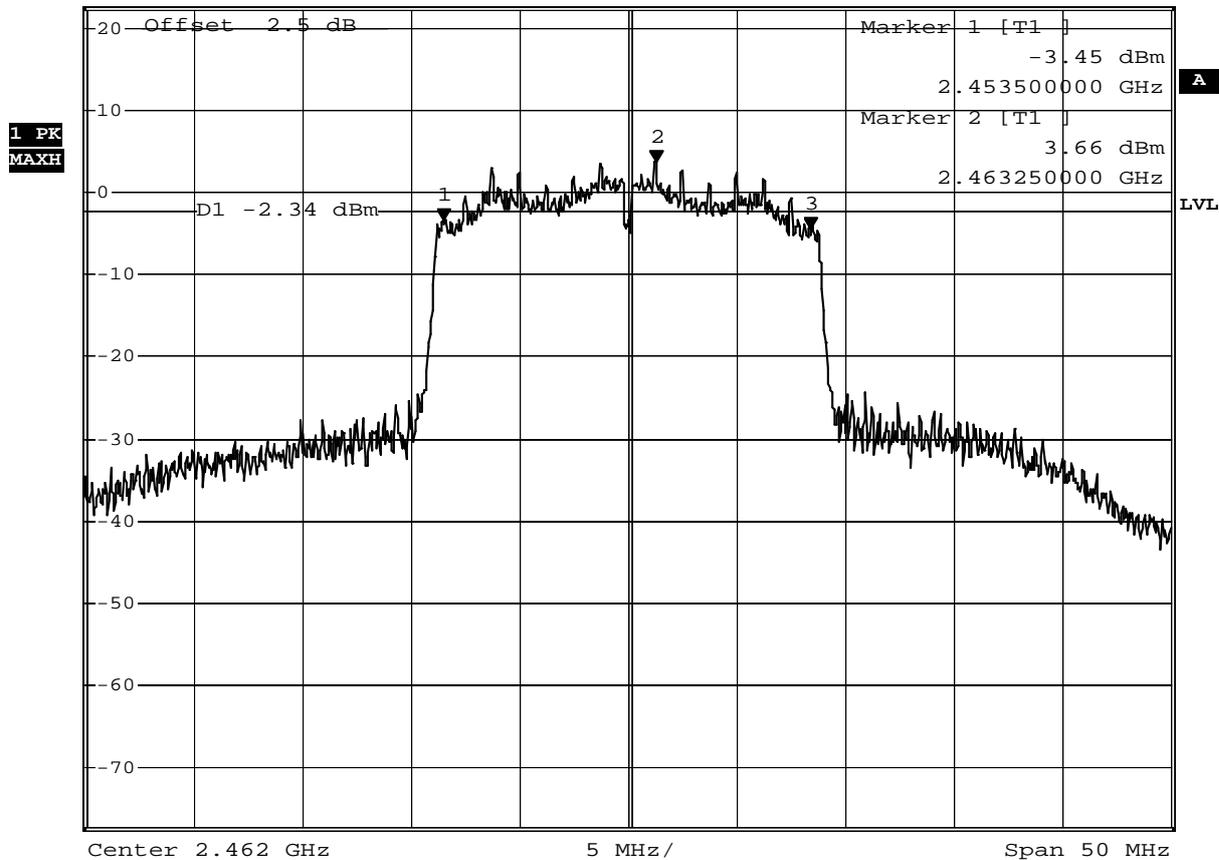
Span 50 MHz

Date: 9.AUG.2011 13:24:26

Channel 11



MARKER 3		*RBW 100 kHz	Marker 3 [T1]
2.47035 GHz		*VBW 100 kHz	-4.30 dBm
Ref 22.5 dBm	*Att 30 dB	*SWT 100 ms	2.470350000 GHz

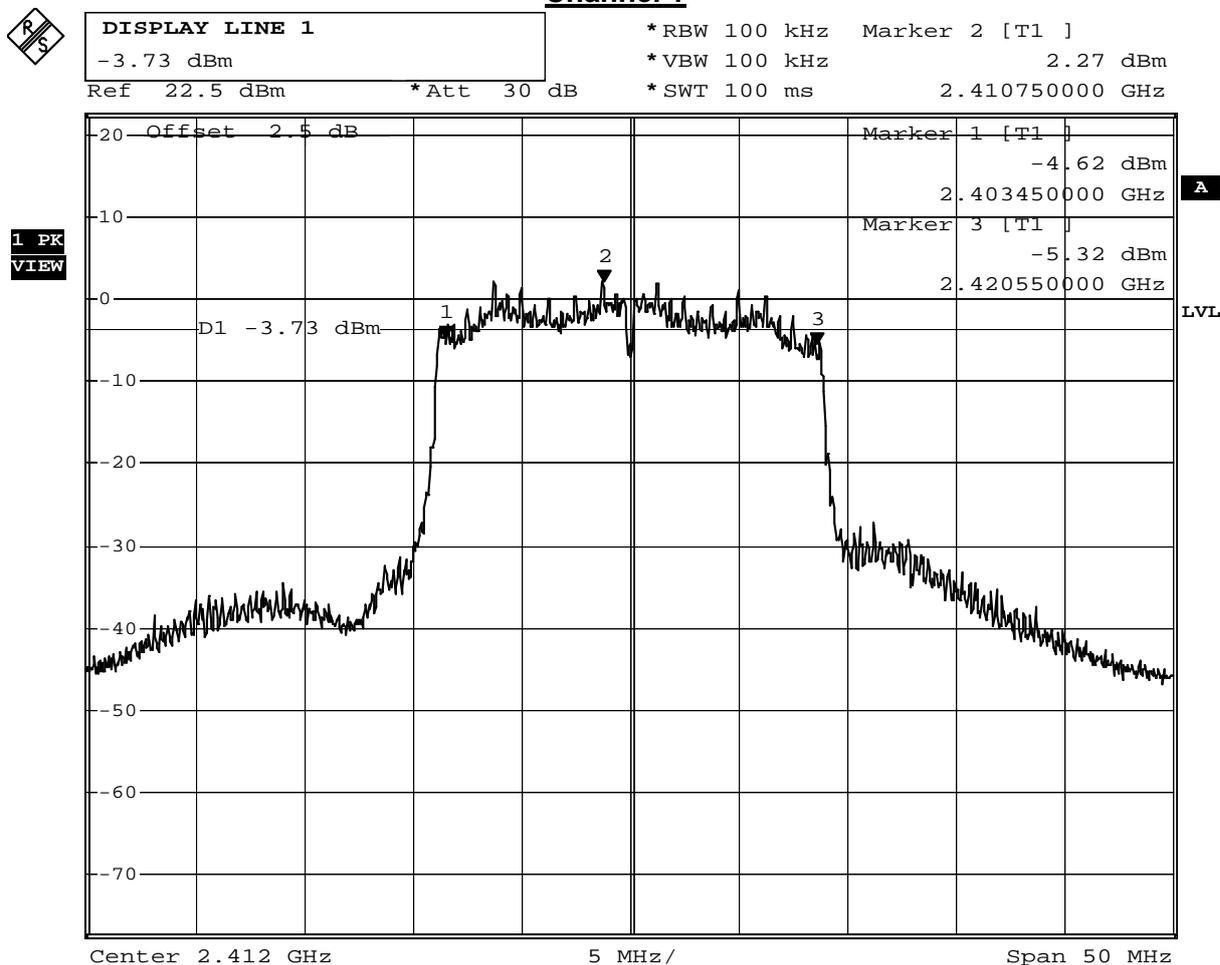


Date: 9.AUG.2011 13:27:58

Product	Gigabit Wireless-N Router		
Test Item	Occupied Bandwidth		
Test Mode	Transmit		
Date of Test	2011/08/09	Test Site	SR7

IEEE 802.11n (20MHz) ANT 1				
Channel No.	Frequency (MHz)	Measurement Level (MHz)	Required Limit (kHz)	Result
1	2412	17.1	≥ 500	Pass
6	2437	17.3	≥ 500	Pass
11	2462	17.5	≥ 500	Pass

Channel 1



Date: 9.AUG.2011 13:16:52

Channel 6

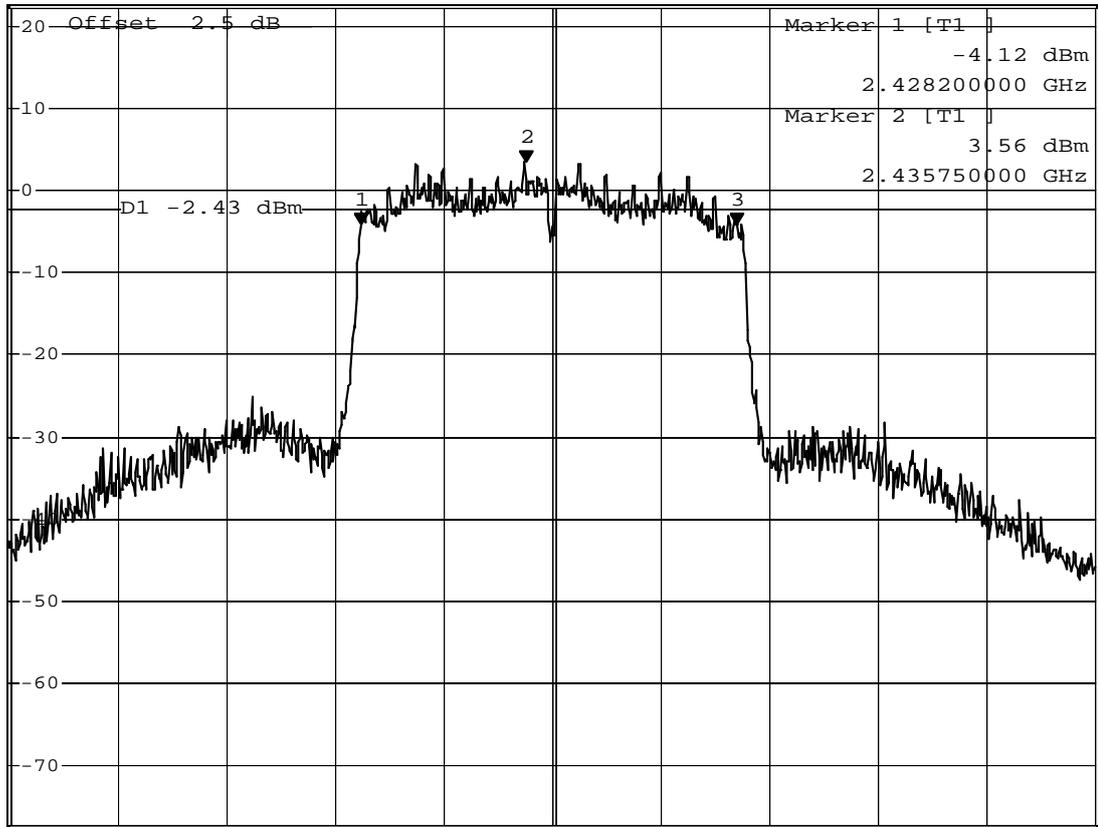


CENTER FREQUENCY
2.437 GHz

*RBW 100 kHz Marker 3 [T1]
*VBW 100 kHz -4.20 dBm
*SWT 100 ms 2.445500000 GHz

Ref 22.5 dBm *Att 30 dB

1 PK
VIEW



LVL

Center 2.437 GHz

5 MHz/

Span 50 MHz

Date: 9.AUG.2011 13:22:09

Channel 11

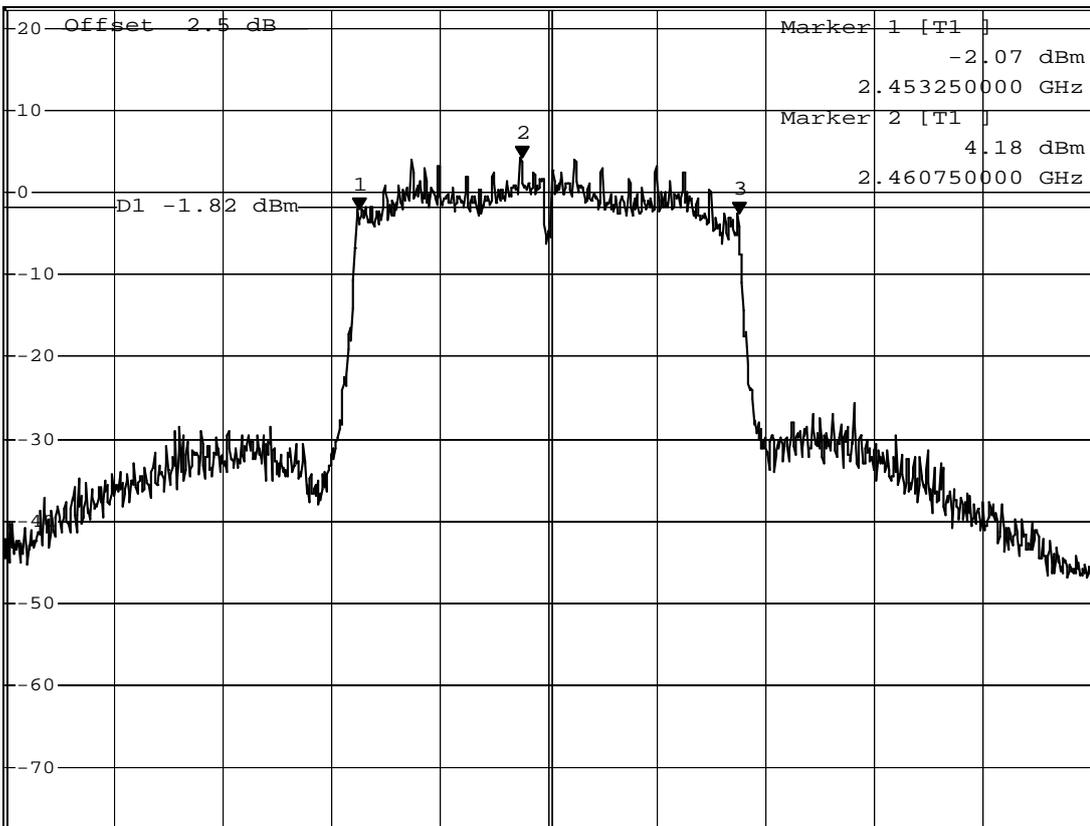


MARKER 3
2.47075 GHz

*RBW 100 kHz Marker 3 [T1]
*VBW 100 kHz -2.65 dBm
*SWT 100 ms 2.470750000 GHz

Ref 22.5 dBm *Att 30 dB

1 PK
VIEW



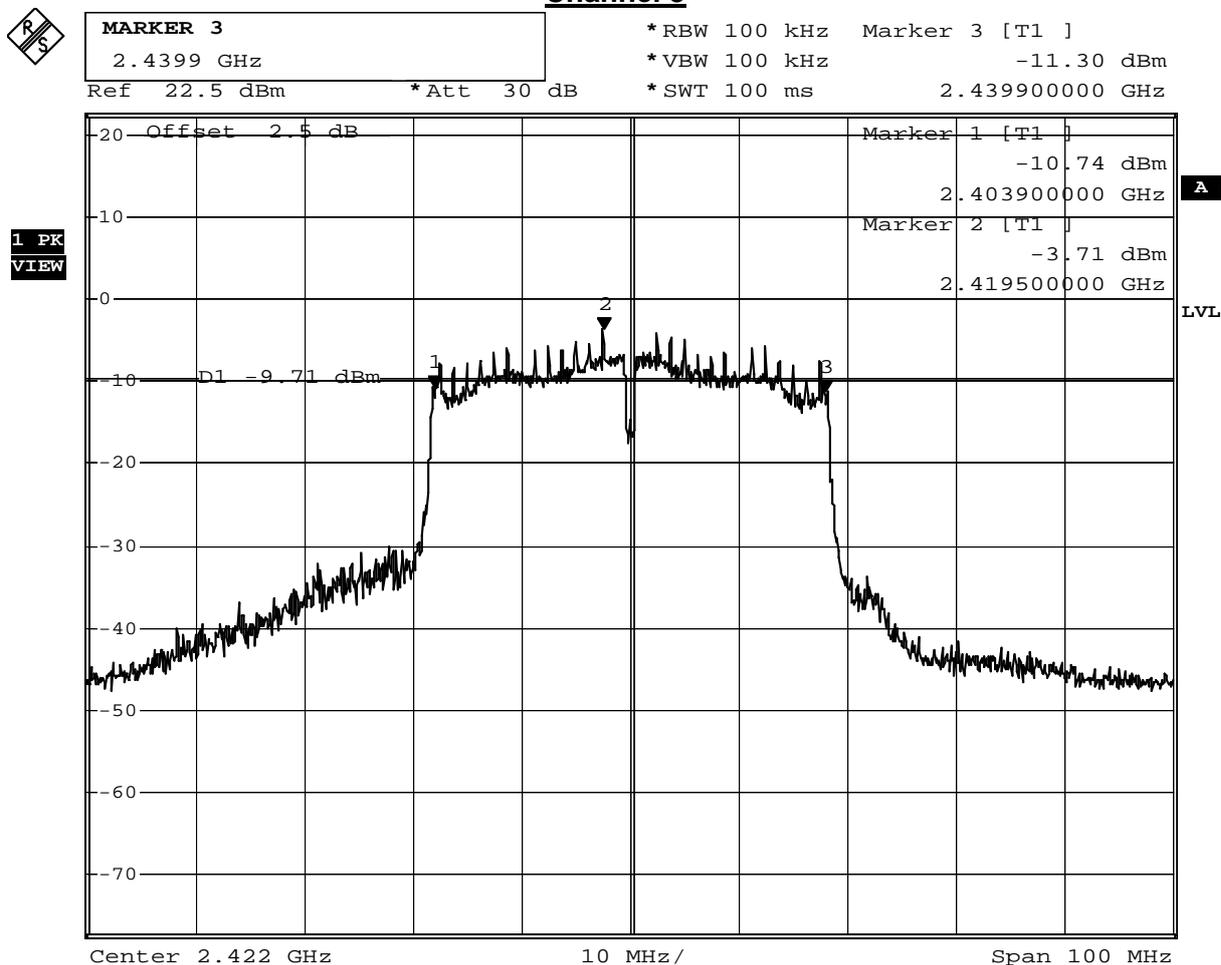
Center 2.462 GHz 5 MHz/ Span 50 MHz

Date: 9.AUG.2011 13:35:05

Product	Gigabit Wireless-N Router		
Test Item	Occupied Bandwidth		
Test Mode	Transmit		
Date of Test	2011/08/09	Test Site	SR7

IEEE 802.11n (40MHz) ANT 0				
Channel No.	Frequency (MHz)	Measurement Level (MHz)	Required Limit (kHz)	Result
3	2422	36.0	≥ 500	Pass
6	2437	36.0	≥ 500	Pass
9	2452	35.8	≥ 500	Pass

Channel 3



Date: 9.AUG.2011 13:56:39

Channel 6

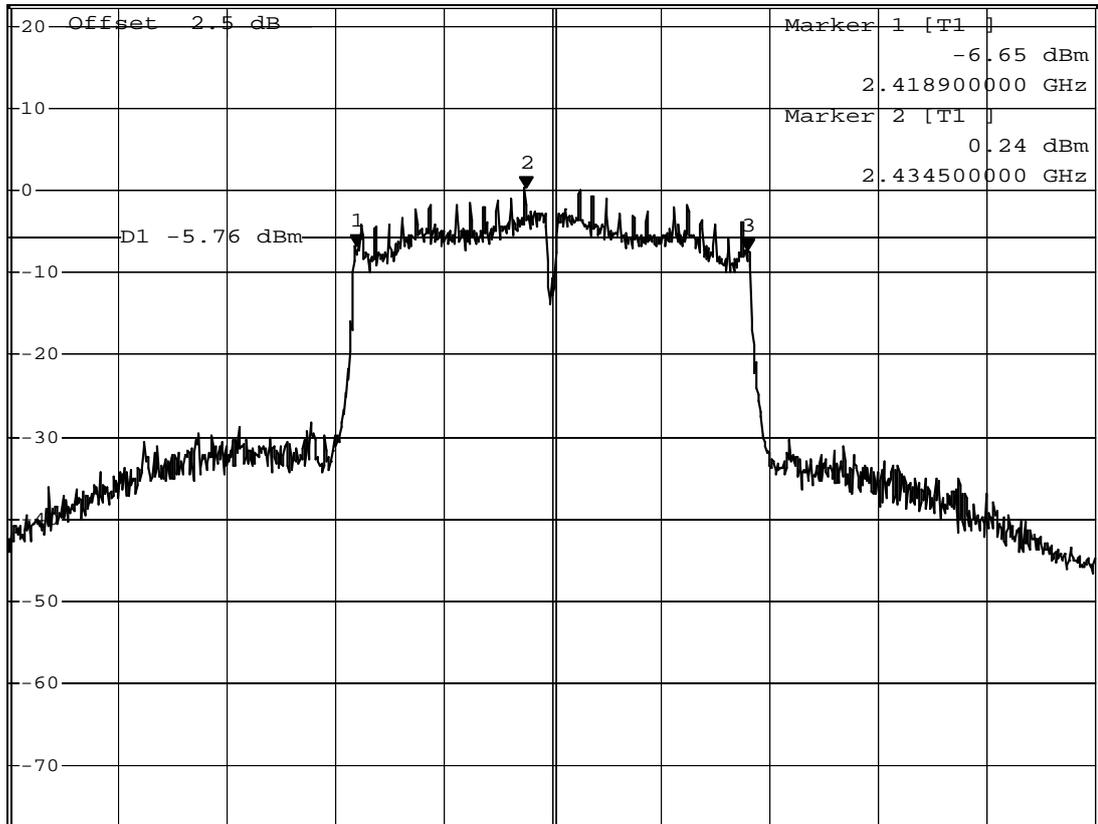


MARKER 3
2.4549 GHz

*RBW 100 kHz Marker 3 [T1]
*VBW 100 kHz -7.33 dBm
*SWT 100 ms 2.454900000 GHz

Ref 22.5 dBm *Att 30 dB

1 PK
VIEW



Center 2.437 GHz 10 MHz/ Span 100 MHz

Date: 9.AUG.2011 13:59:18

Product	Gigabit Wireless-N Router		
Test Item	Occupied Bandwidth		
Test Mode	Transmit		
Date of Test	2011/08/09	Test Site	SR7

IEEE 802.11n (40MHz) ANT 1				
Channel No.	Frequency (MHz)	Measurement Level (MHz)	Required Limit (kHz)	Result
3	2422	36.2	≥ 500	Pass
6	2437	36.4	≥ 500	Pass
9	2452	36.4	≥ 500	Pass

Channel 3

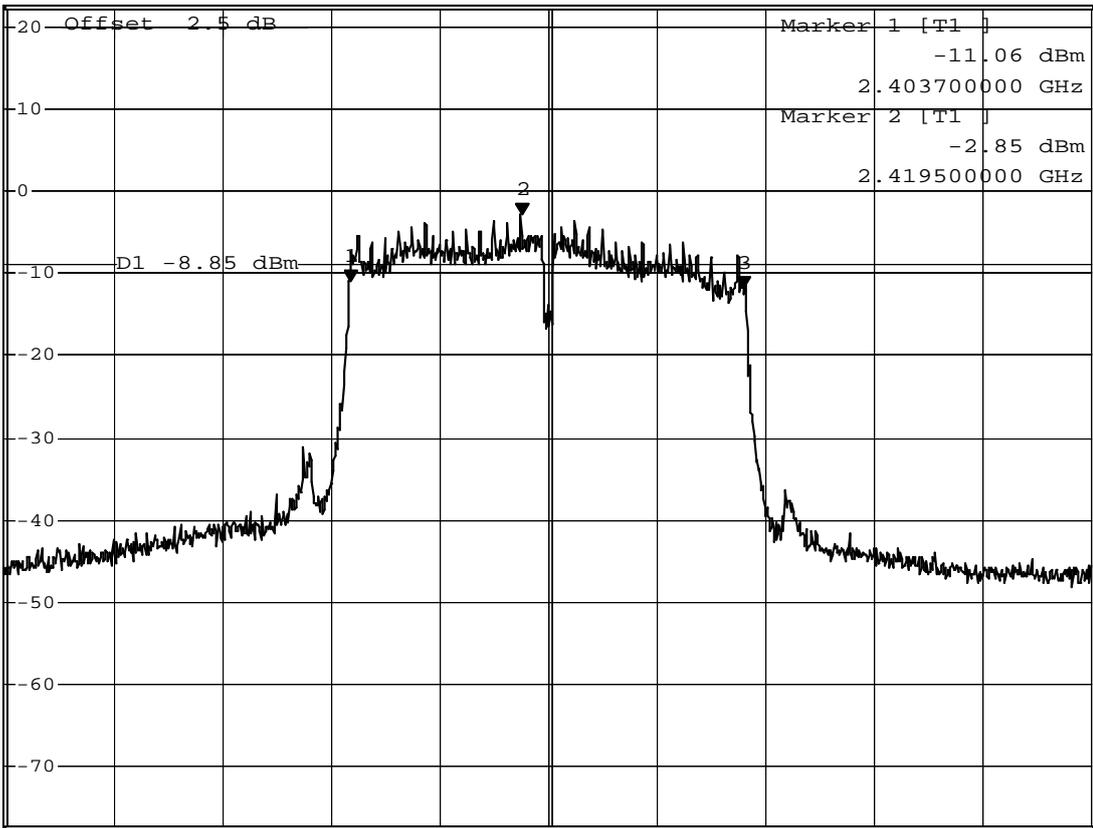


MARKER 3
2.4399 GHz

Ref 22.5 dBm * Att 30 dB

* RBW 100 kHz Marker 3 [T1]
* VBW 100 kHz -11.69 dBm
* SWT 100 ms 2.439900000 GHz

1 PK
VIEW

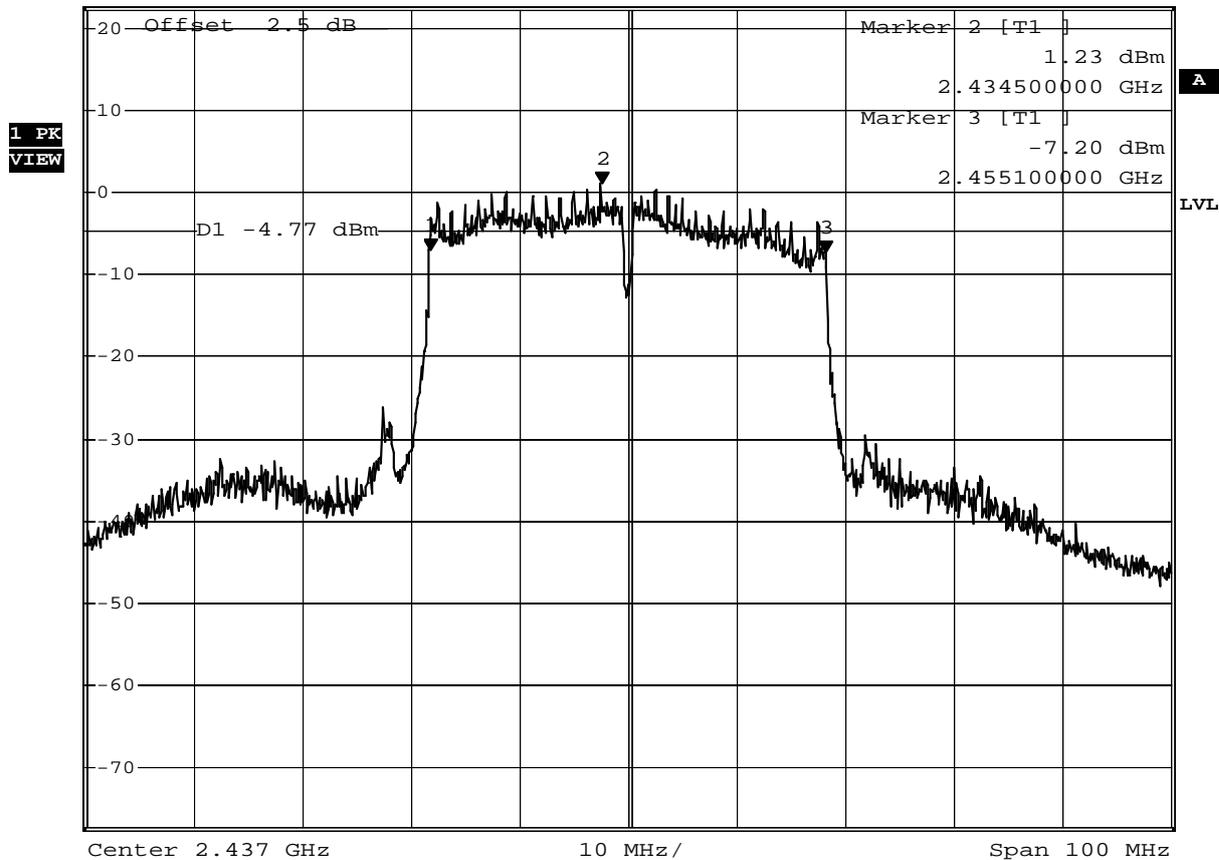


Date: 9.AUG.2011 13:50:48

Channel 6



MARKER 1		*RBW 100 kHz	Marker 1 [T1]
2.4187 GHz		*VBW 100 kHz	-7.01 dBm
Ref 22.5 dBm	*Att 30 dB	*SWT 100 ms	2.418700000 GHz



Date: 9.AUG.2011 14:02:03

Channel 9

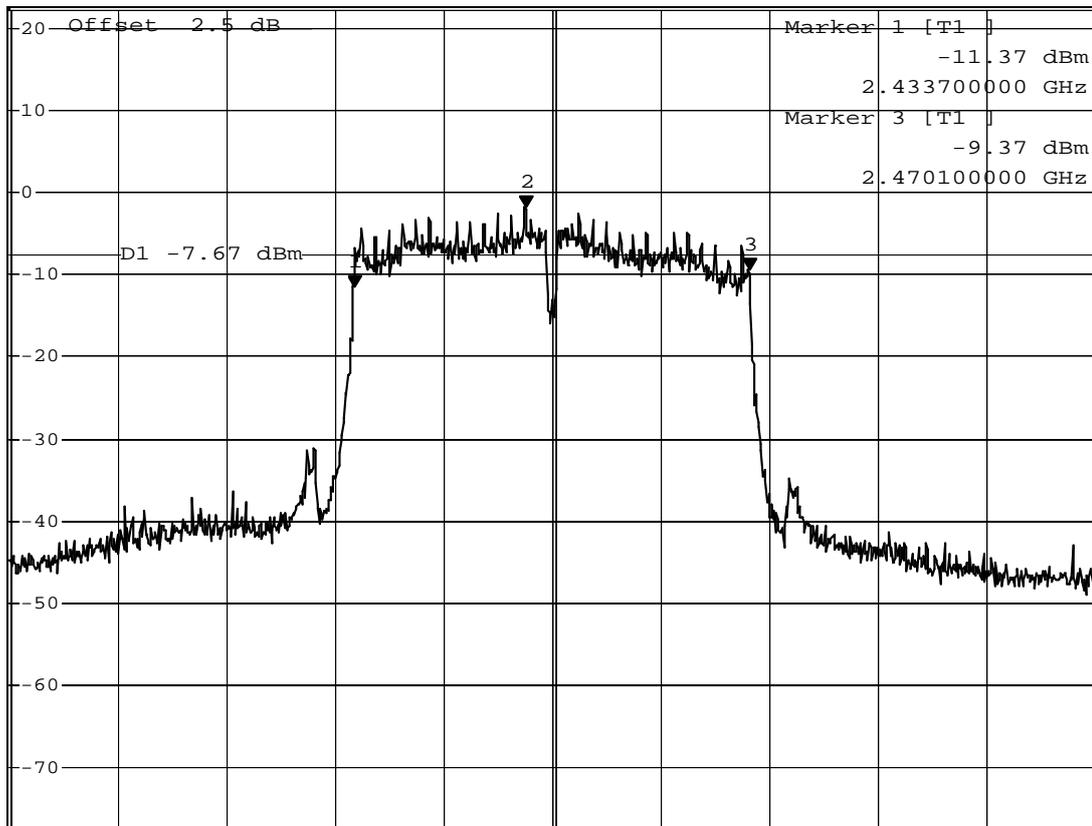


MARKER 2
2.4495 GHz

*RBW 100 kHz Marker 2 [T1]
*VBW 100 kHz -1.67 dBm
*SWT 100 ms 2.449500000 GHz

Ref 22.5 dBm *Att 30 dB

1 PK
VIEW



Center 2.452 GHz 10 MHz/ Span 100 MHz

Date: 9.AUG.2011 14:05:40

8. Power Density

8.1. Test Equipment

The following test equipment is used during the test:

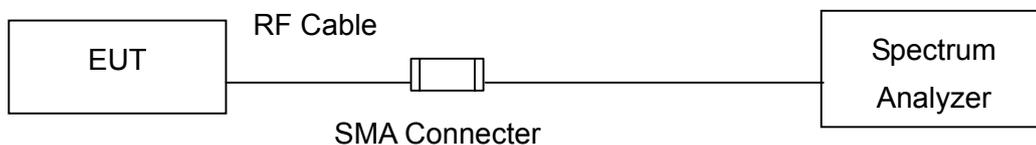
Power Density / SR7

Instrument	Manufacturer	Model No.	Serial No	Next Cal. Date
Spectrum Analyzer	R&S	FSP	100561	2012/01/16

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

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: 2009; tested according to DTS test procedure of Oct 2002 KDB558074 for compliance to FCC 47CFR 15.247 requirements. Set RBW= 3 kHz, Set VBW \geq 9 kHz, Sweep time=Auto, Set detector=Peak detector

8.5. Test Specification

According to FCC Part 15 Subpart C Paragraph 15.247: 2010

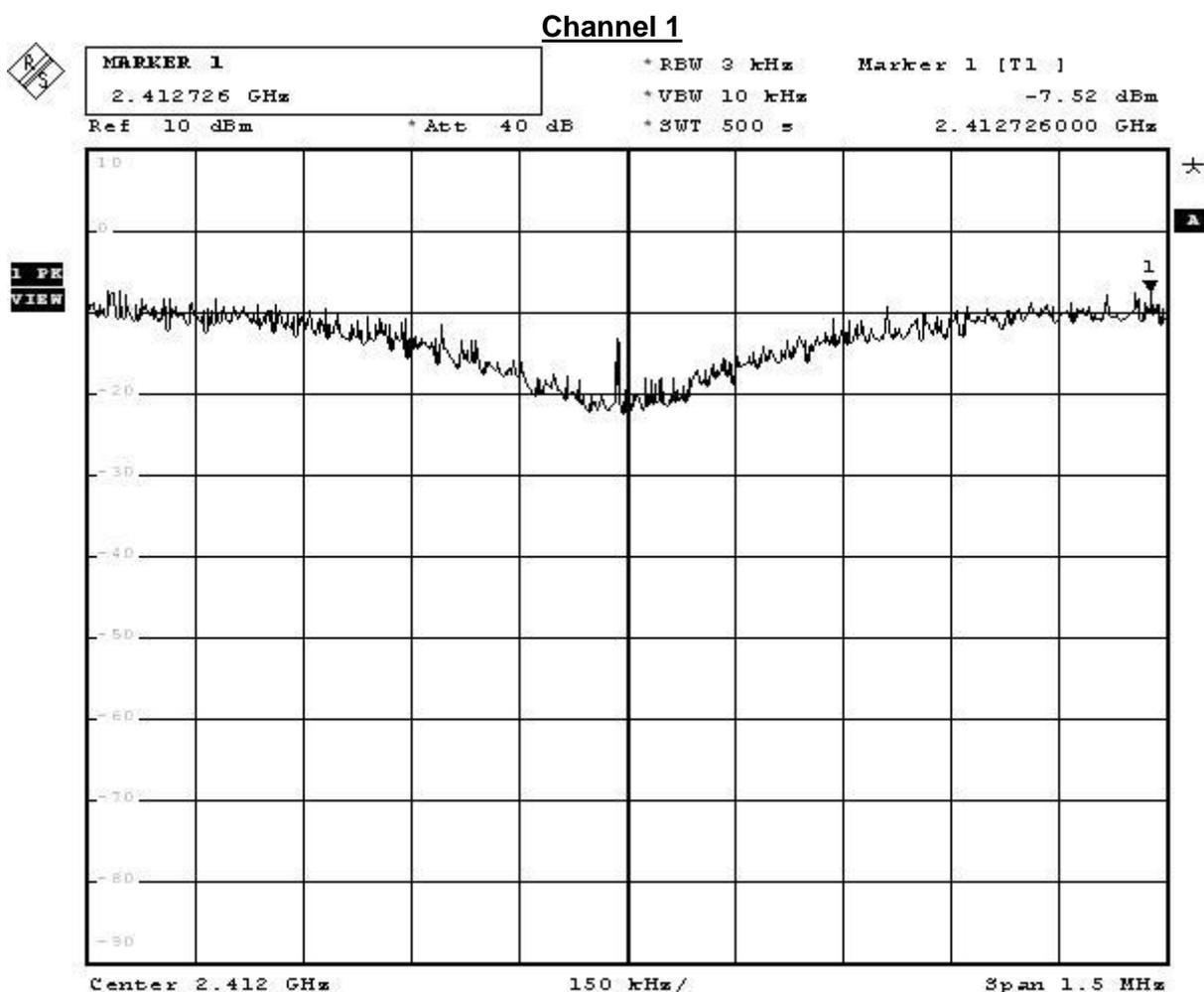
8.6. Uncertainty

The measurement uncertainty is defined as ± 1.27 dB.

8.7. Test Result

Product	Gigabit Wireless-N Router		
Test Item	Power Density		
Test Mode	Transmit		
Date of Test	2011/08/08	Test Site	SR7

IEEE 802.11b				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
1	2412	-7.52	≤ 8	Pass
6	2437	-7.49	≤ 8	Pass
11	2462	-7.93	≤ 8	Pass



Date: 6.AUG.2011 16:39:22

Channel 6

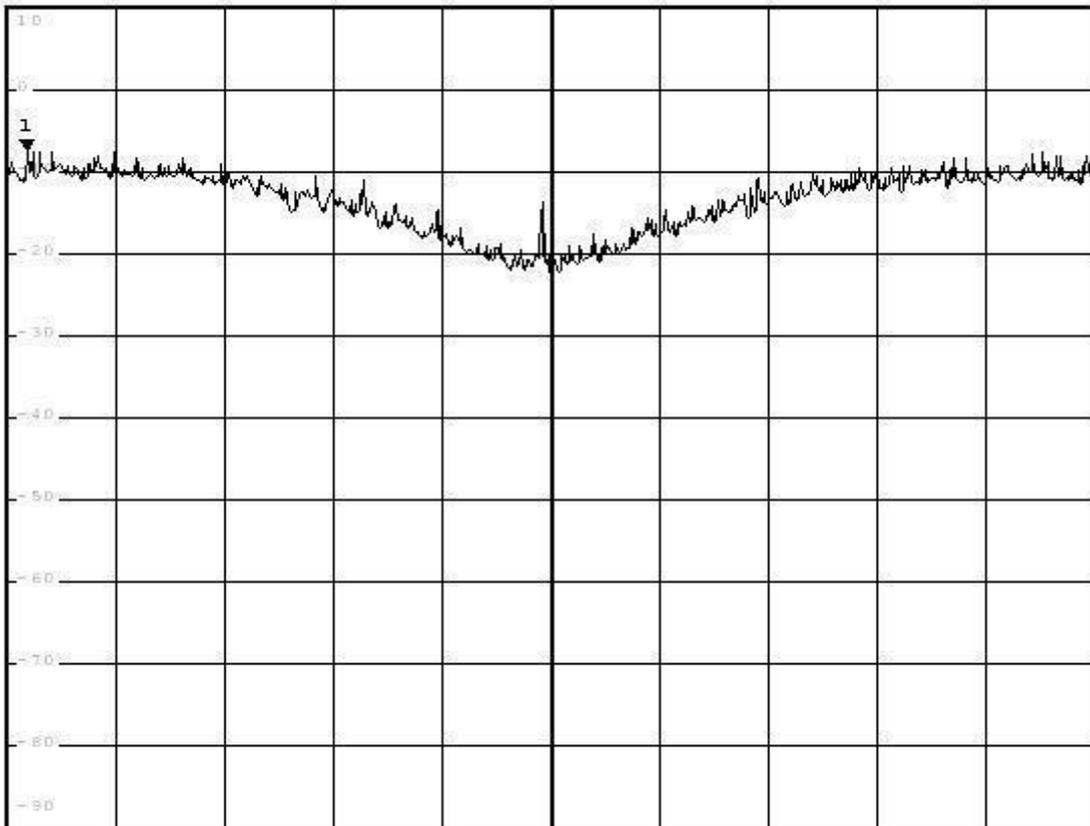


SWEEP TIME
500 μ s

*RBW 3 kHz Marker 1 [T1]
*VBW 10 kHz -7.49 dBm
*SWT 500 μ s 2.436277000 GHz

Ref 10 dBm *Att 0 dB

1 PE
VIEW



Center 2.437 GHz 150 kHz/ Span 1.5 MHz

Date: 08.AUG.2011 16:39:49

Channel 11

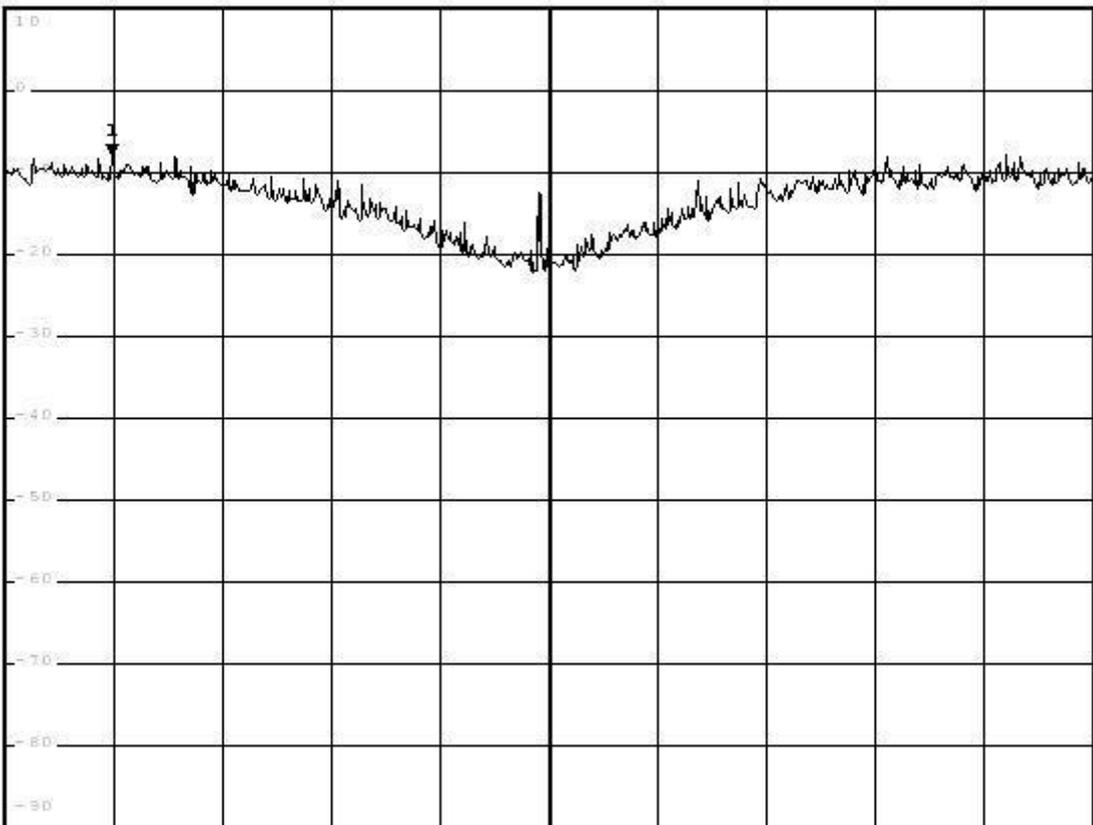


SWEEP TIME
500 μ s

*RBW 3 kHz Marker 1 [T1]
*VBW 10 kHz -7.93 dBm
*SWT 500 μ s 2.461397000 GHz

Ref 10 dBm *Att 40 dB

1 PE
VIEW

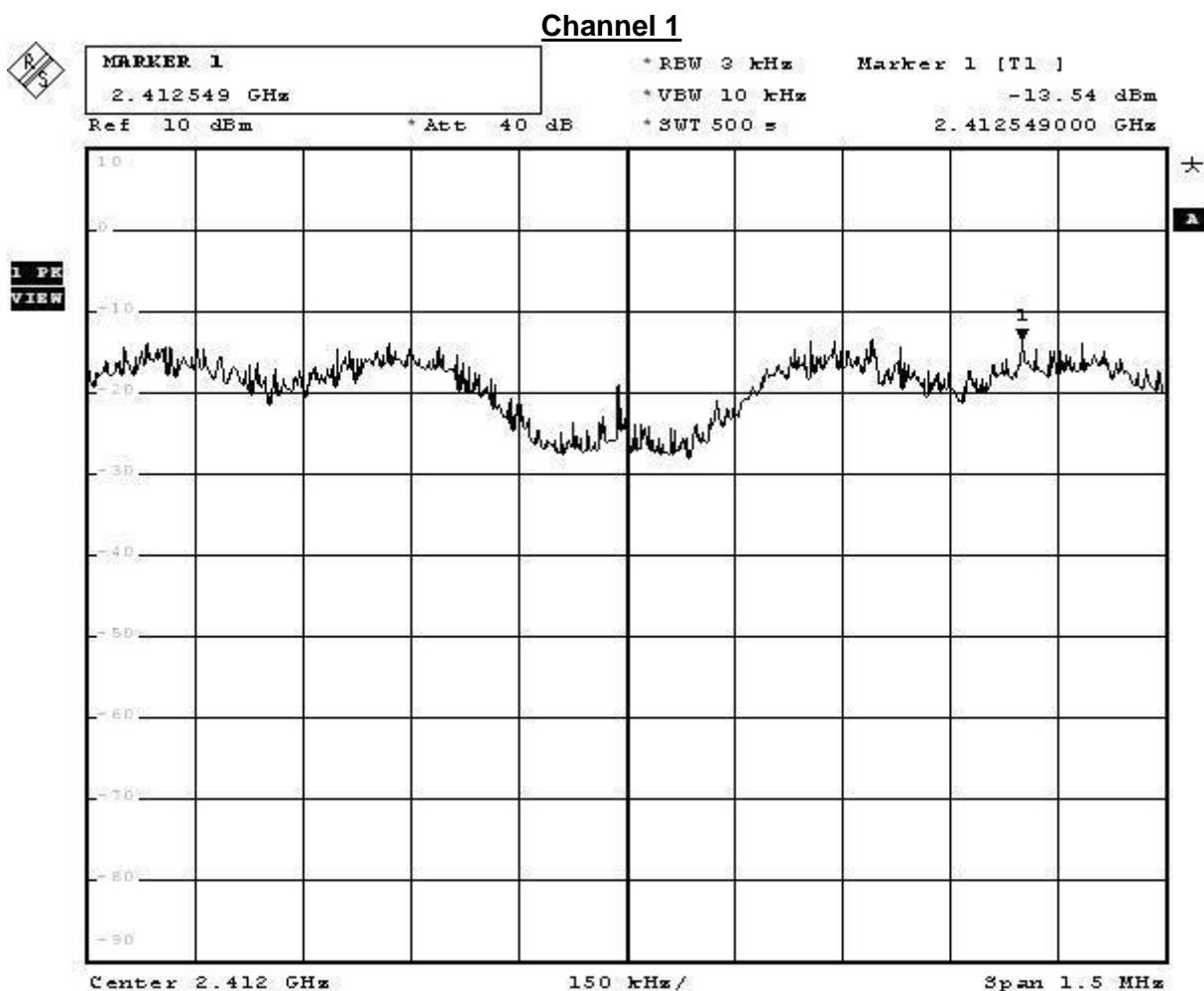


Center 2.462 GHz 150 kHz/ Span 1.5 MHz

Date: 08.AUG.2011 19:35:22

Product	Gigabit Wireless-N Router		
Test Item	Power Density		
Test Mode	Transmit		
Date of Test	2011/08/08	Test Site	SR7

IEEE 802.11g				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
1	2412	-13.54	≤ 8	Pass
6	2437	-11.84	≤ 8	Pass
11	2462	-12.46	≤ 8	Pass



Date: 08.AUG.2011 18:39:23

Channel 6

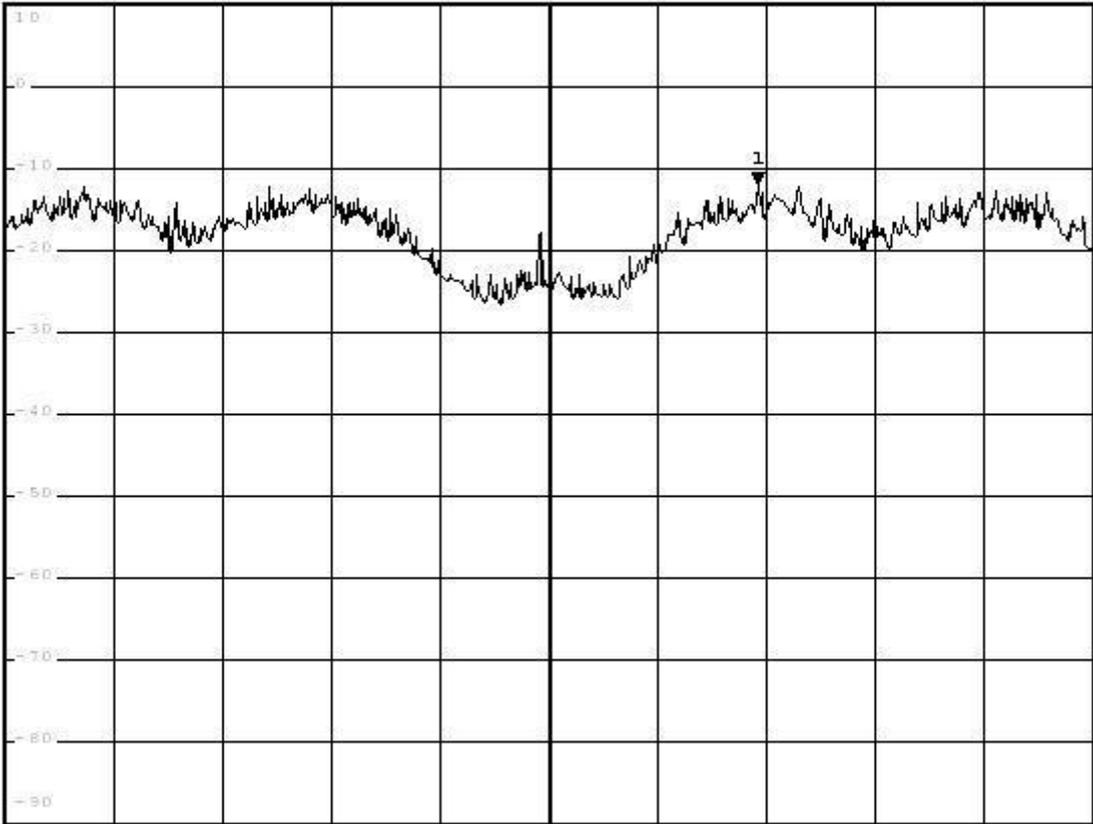


SWEEP TIME
500 μ s

*RBW 3 kHz Marker 1 [T1]
*VBW 10 kHz -11.64 dBm
*SWT 500 μ s 2.437266000 GHz

Ref 10 dBm *Att 40 dB

1 PE
VIEW



Center 2.437 GHz 150 kHz/ Span 1.5 MHz

Date: 08.AUG.2011 18:39:50

Channel 11

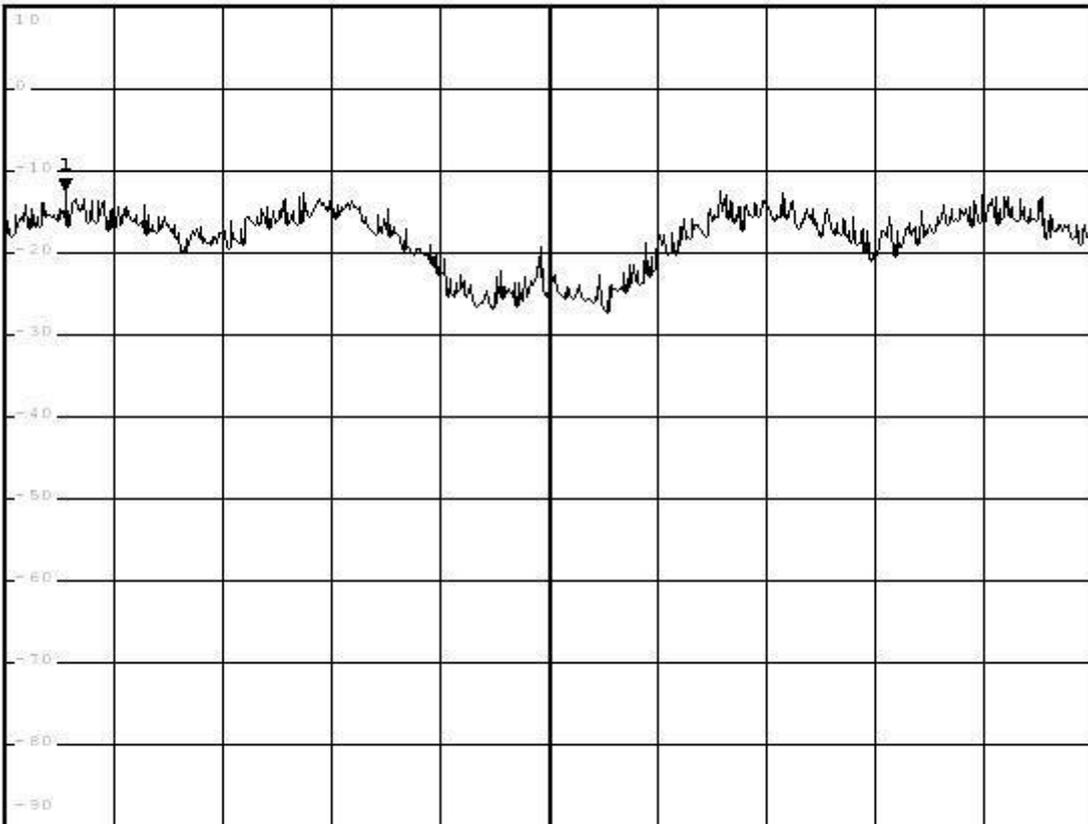


SWEEP TIME
500 μ s

*RBW 3 kHz Marker 1 [T1]
*VBW 10 kHz -12.46 dBm
*SWT 500 μ s 2.461334000 GHz

Ref 10 dBm *Att 40 dB

I PK
VIEW

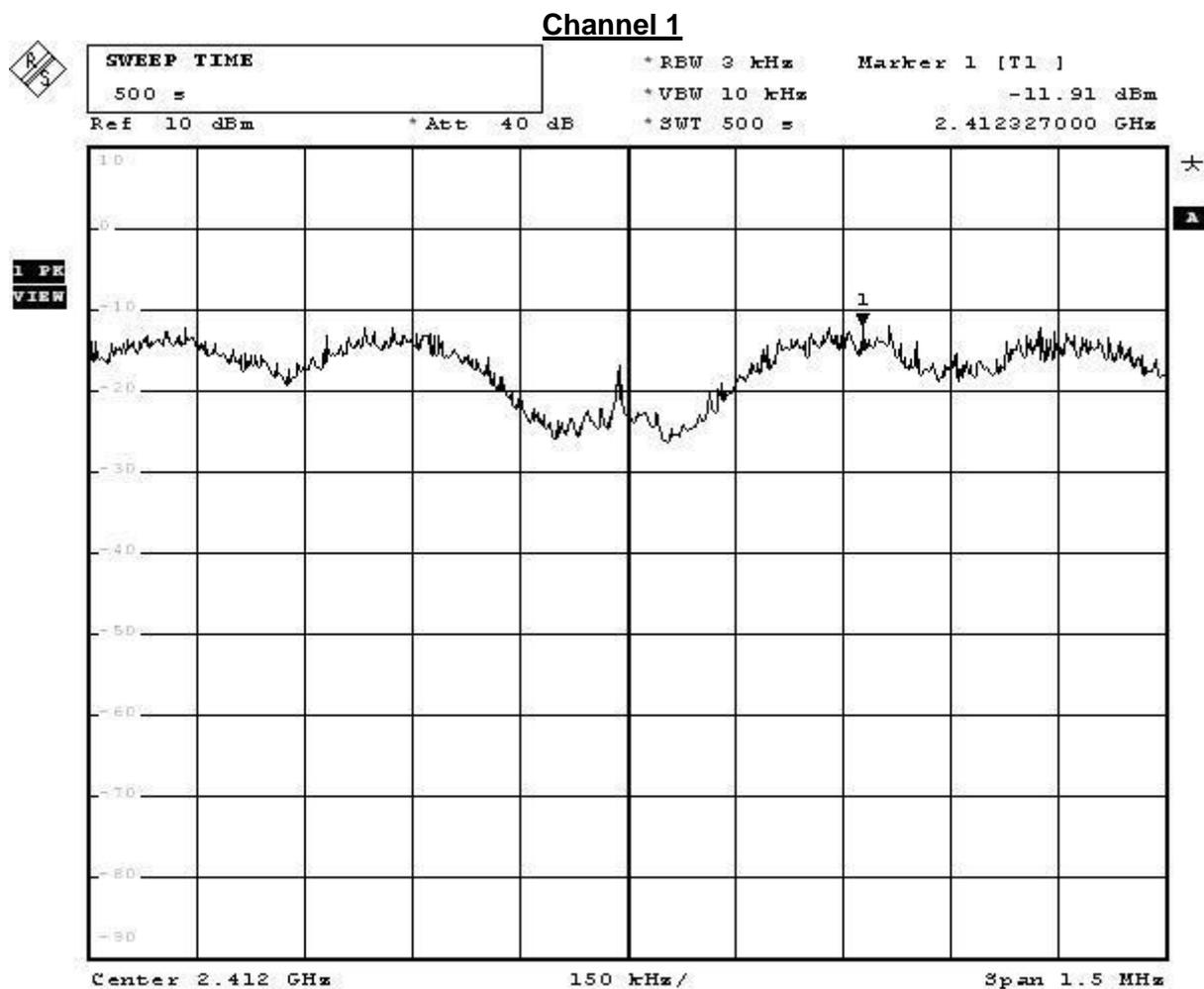


Center 2.462 GHz 150 kHz/ Span 1.5 MHz

Date: 08.AUG.2011 19:39:46

Product	Gigabit Wireless-N Router		
Test Item	Power Density		
Test Mode	Transmit		
Date of Test	2011/08/08	Test Site	SR7

IEEE 802.11n (20M) ANT 0				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
1	2412	-11.91	≤ 8	Pass
6	2437	-11.19	≤ 8	Pass
11	2462	-11.60	≤ 8	Pass



Date: 08.AUG.2011 16:39:29

Channel 6



SWEEP TIME

500 μ s

*RBW 3 kHz

Marker 1 [T1]

*VBW 10 kHz

-11.19 dBm

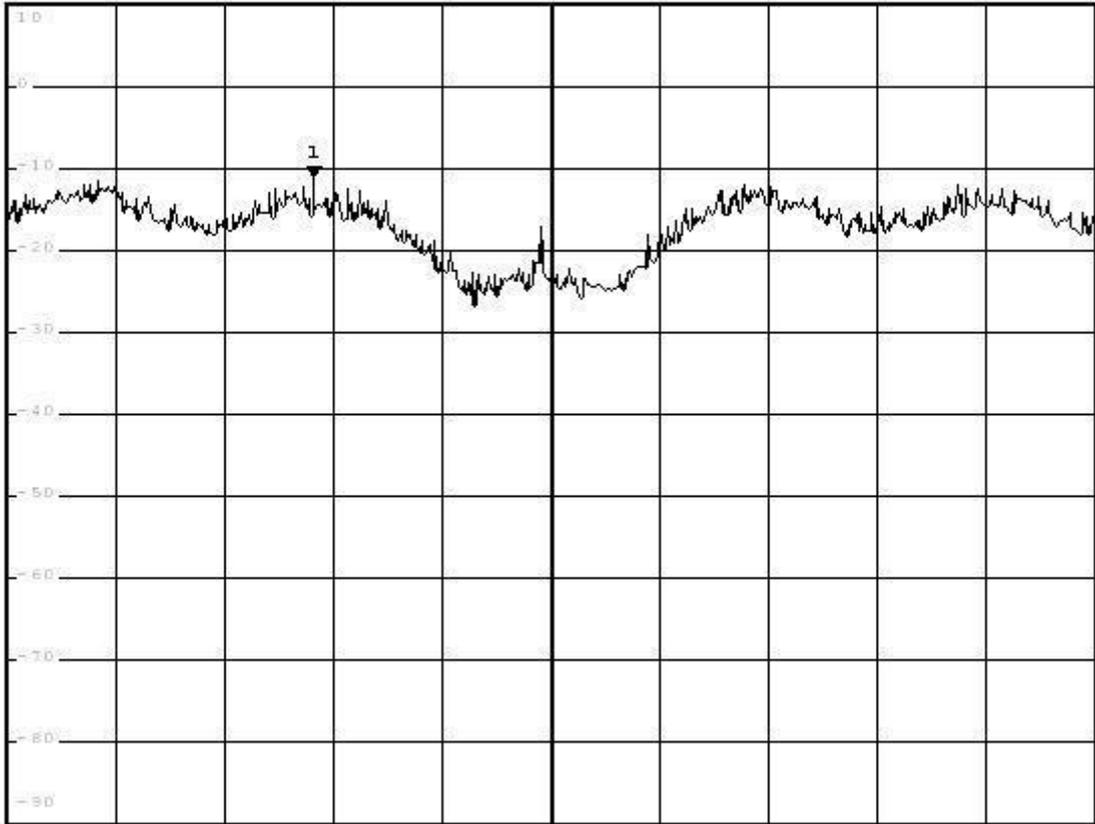
Ref 10 dBm

*Att 40 dB

*SWT 0 μ s

2.436673000 GHz

1 PE
VIEW



Center 2.437 GHz

150 kHz/

Span 1.5 MHz

Date: 08.AUG.2011 10:39:59

Channel 11

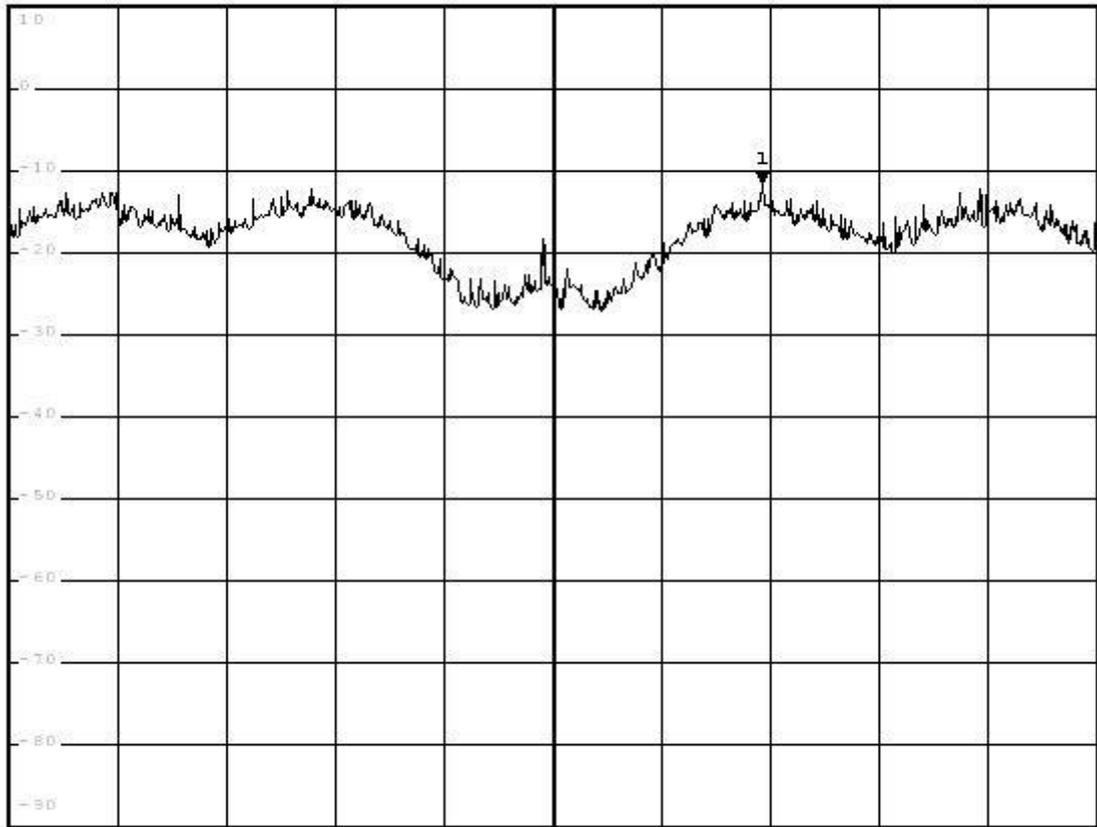


SWEEP TIME
500 =

*RBW 3 kHz Marker 1 [T1]
*VBW 10 kHz -11.60 dBm
*SWT 500 = 2.462288000 GHz

Ref 10 dBm *Att 40 dB

1 PK
VIEW

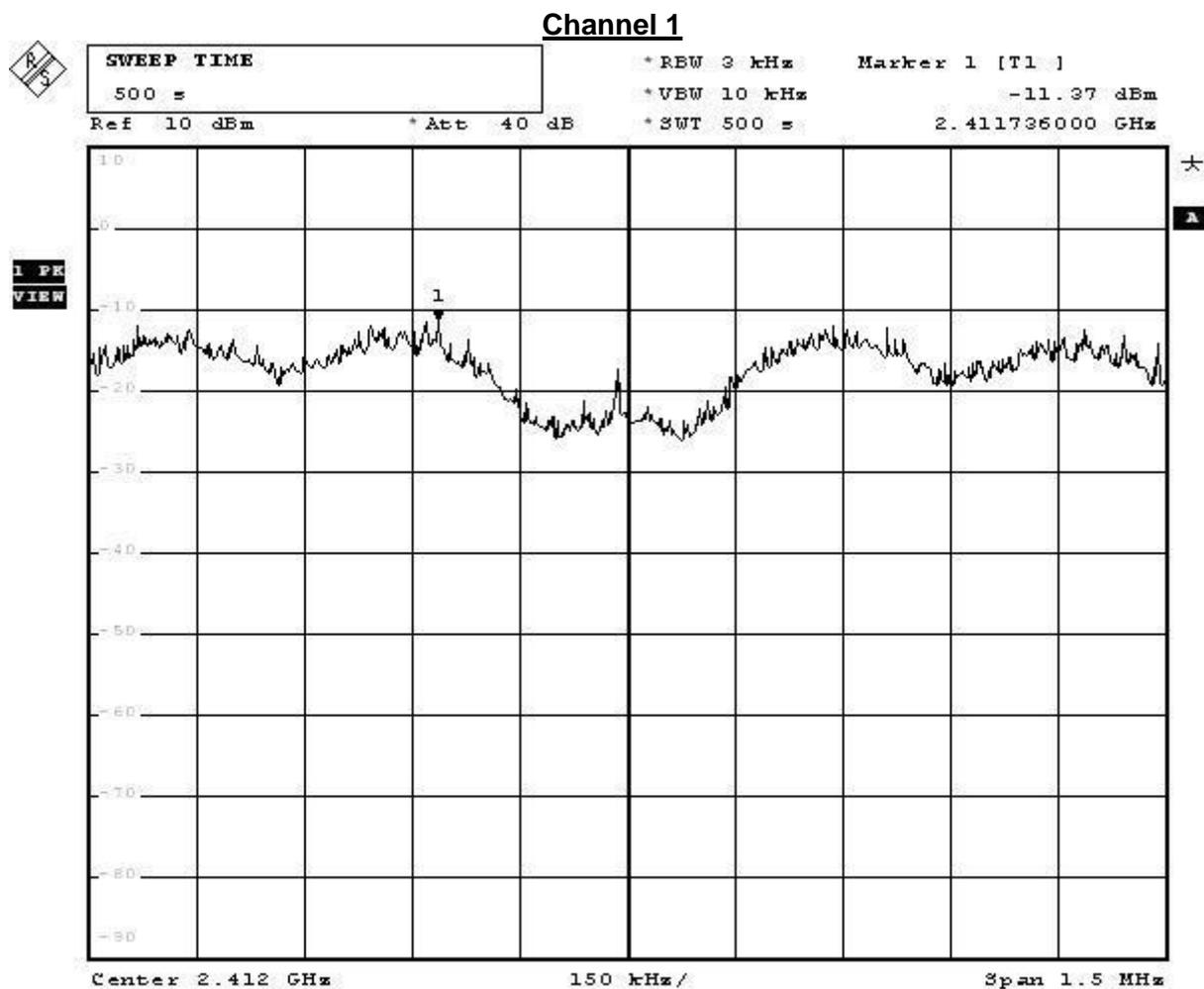


Center 2.462 GHz 150 kHz/ Span 1.5 MHz

Date: 08.AUG.2011 18:50:22

Product	Gigabit Wireless-N Router		
Test Item	Power Density		
Test Mode	Transmit		
Date of Test	2011/08/08	Test Site	SR7

IEEE 802.11n (20M) ANT 1				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
1	2412	-11.37	≤ 8	Pass
6	2437	-11.21	≤ 8	Pass
11	2462	-10.98	≤ 8	Pass



Date: 8.AUG.2011 16:39:37

Channel 6



SWEEP TIME

500 μ s

* RBW 3 kHz

Marker 1 [T1]

* VBW 10 kHz

-11.21 dBm

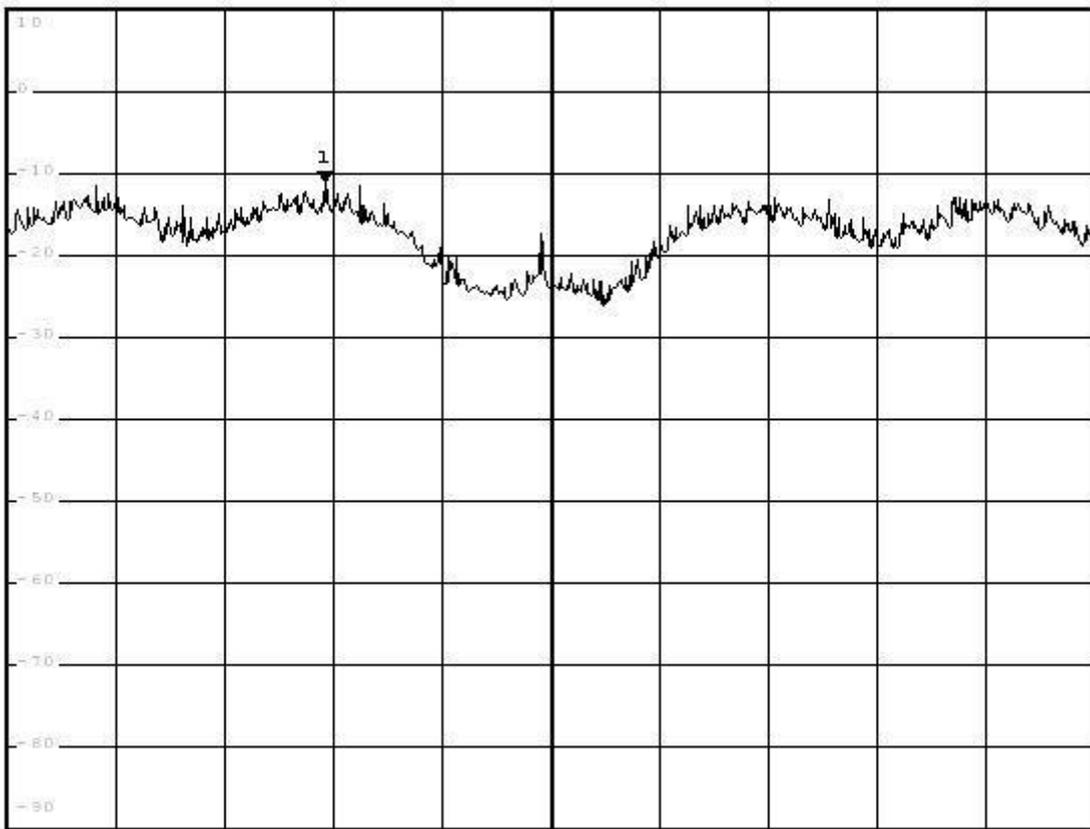
Ref 10 dBm

* Att 40 dB

* SWT 500 μ s

2.436688000 GHz

1 PE
VIEW



Center 2.437 GHz

150 kHz/

Span 1.5 MHz

Date: 08.AUG.2011 16:50:22

Channel 11

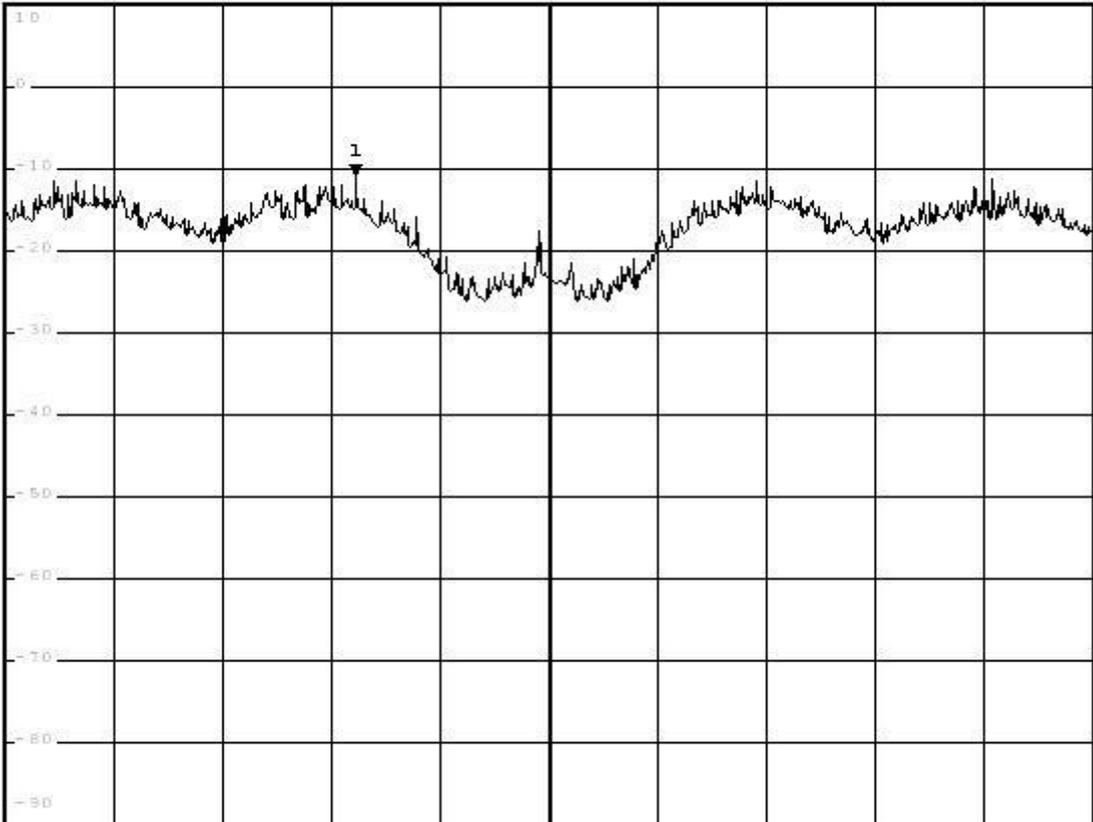


MARKER 1
2.461733 GHz

*RBW 3 kHz Marker 1 [T1]
*VBW 10 kHz -10.98 dBm
*SWT 500 s 2.461733000 GHz

Ref 10 dBm *Att 40 dB

1 PK
VIEW



Center 2.462 GHz 150 kHz/ Span 1.5 MHz

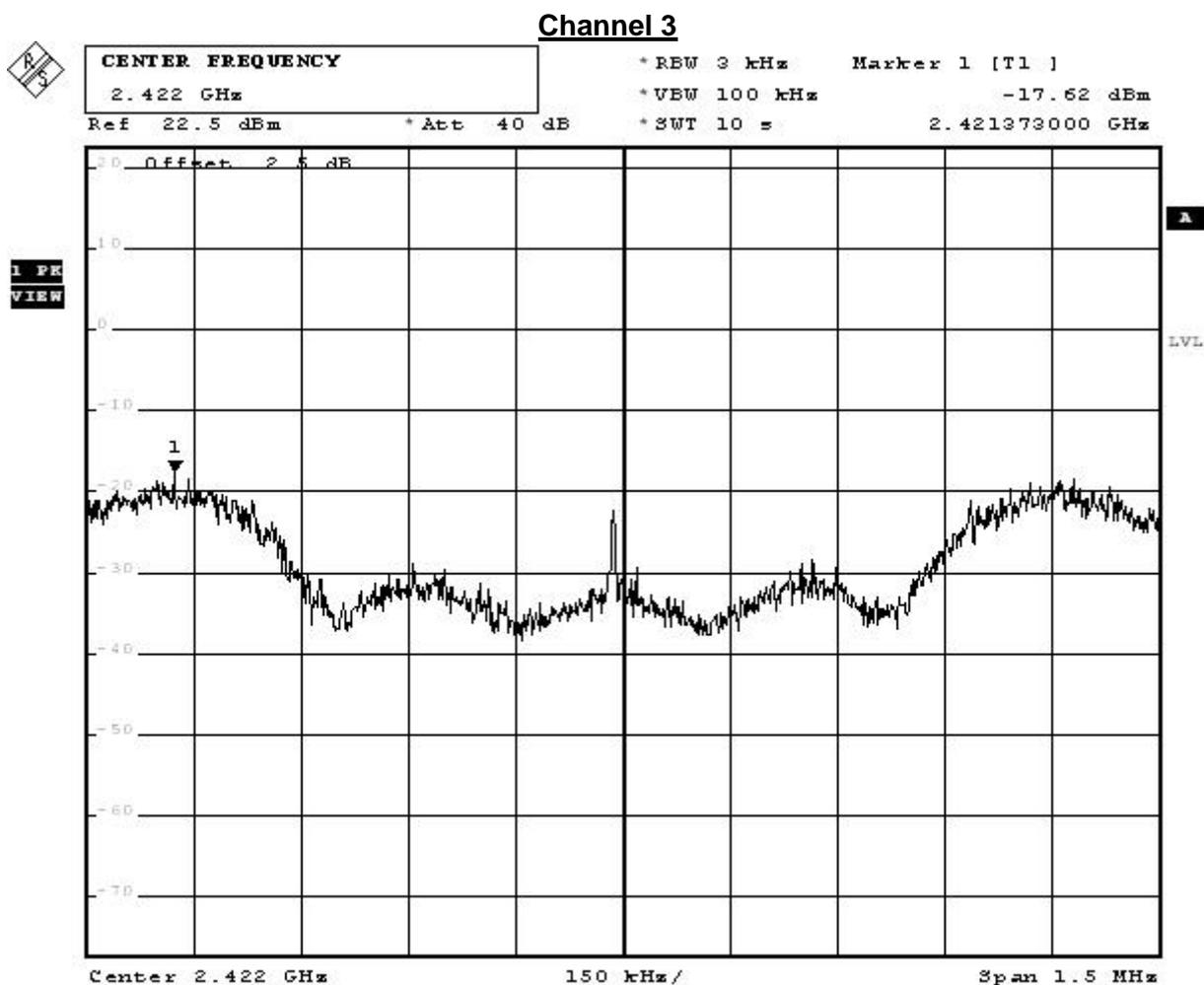
Date: 08.AUG.2011 19:34:22

Product	Gigabit Wireless-N Router		
Test Item	Power Density		
Test Mode	Transmit		
Date of Test	2011/08/08	Test Site	SR7

IEEE 802.11n (20M) ANT 0+1				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
1	2412	-8.62	≤ 8	Pass
6	2437	-8.19	≤ 8	Pass
11	2462	-8.27	≤ 8	Pass

Product	Gigabit Wireless-N Router		
Test Item	Power Density		
Test Mode	Transmit		
Date of Test	2011/08/08	Test Site	SR7

IEEE 802.11n (40M) ANT 0				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
3	2422	-17.62	≤ 8	Pass
6	2437	-15.89	≤ 8	Pass
9	2452	-18.51	≤ 8	Pass



Date: 8.AUG.2011 18:39:40

Channel 6



SWEEP TIME

500 μ s

*RBW 3 kHz

Marker 1 [T1]

*VBW 10 kHz

-15.89 dBm

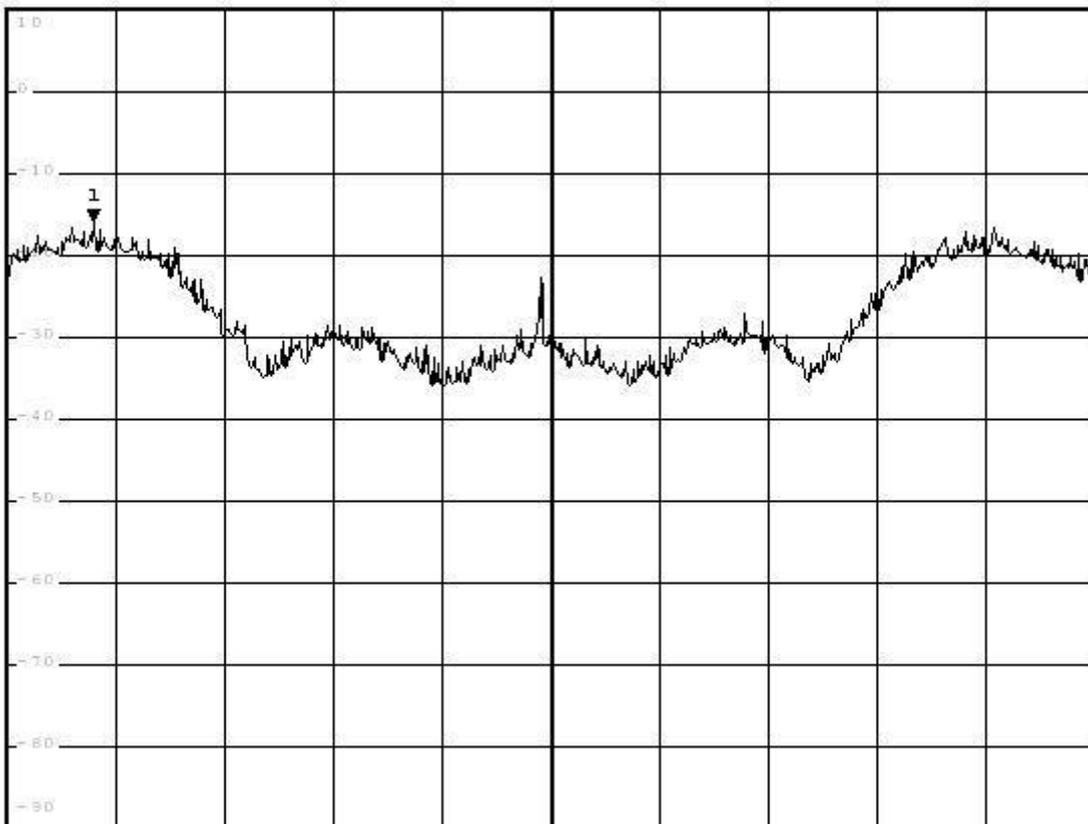
Ref 10 dBm

*Att 40 dB

*SWT 500 μ s

2.436370000 GHz

1 PE
VIEW



Center 2.437 GHz

150 kHz/

Span 1.5 MHz

Date: 08.AUG.2011 18:55:22

Channel 9

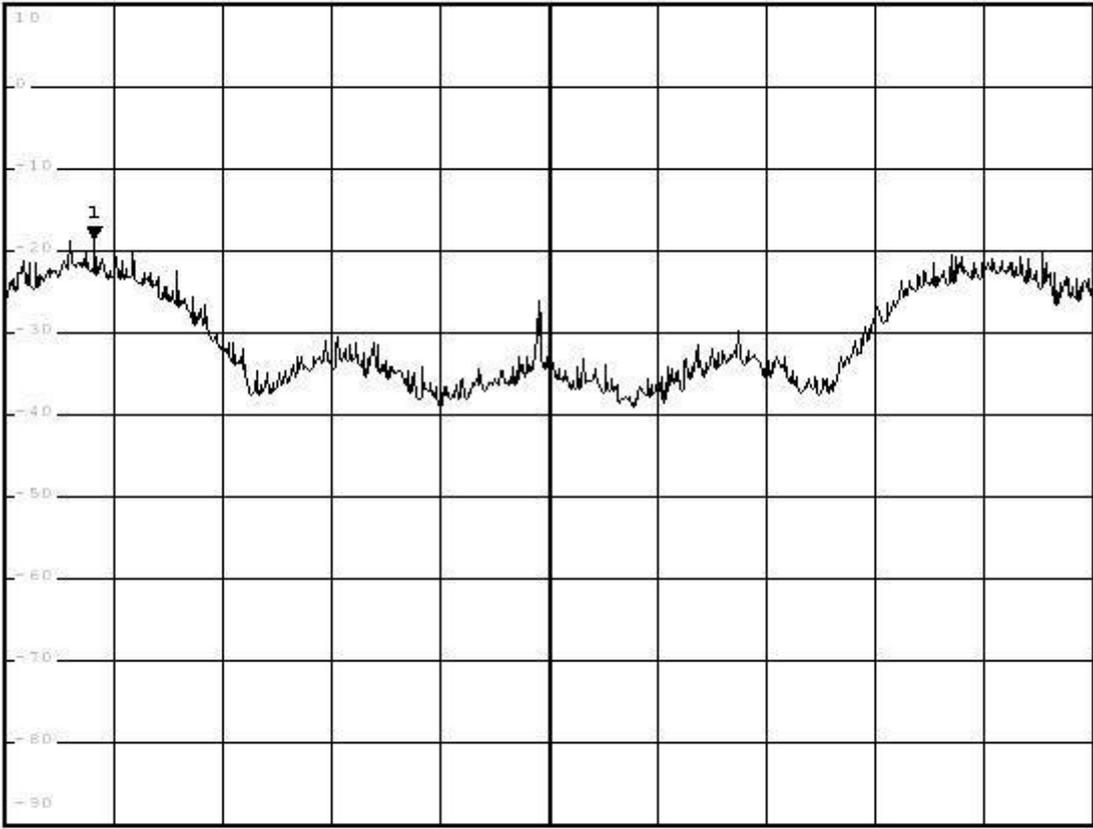


SWEEP TIME
500 μ s

*RBW 3 kHz Marker 1 [T1]
*VBW 10 kHz -18.51 dBm
*SWT 500 μ s 2.451373000 GHz

Ref 10 dBm *Att 40 dB

1 PK
VIEW

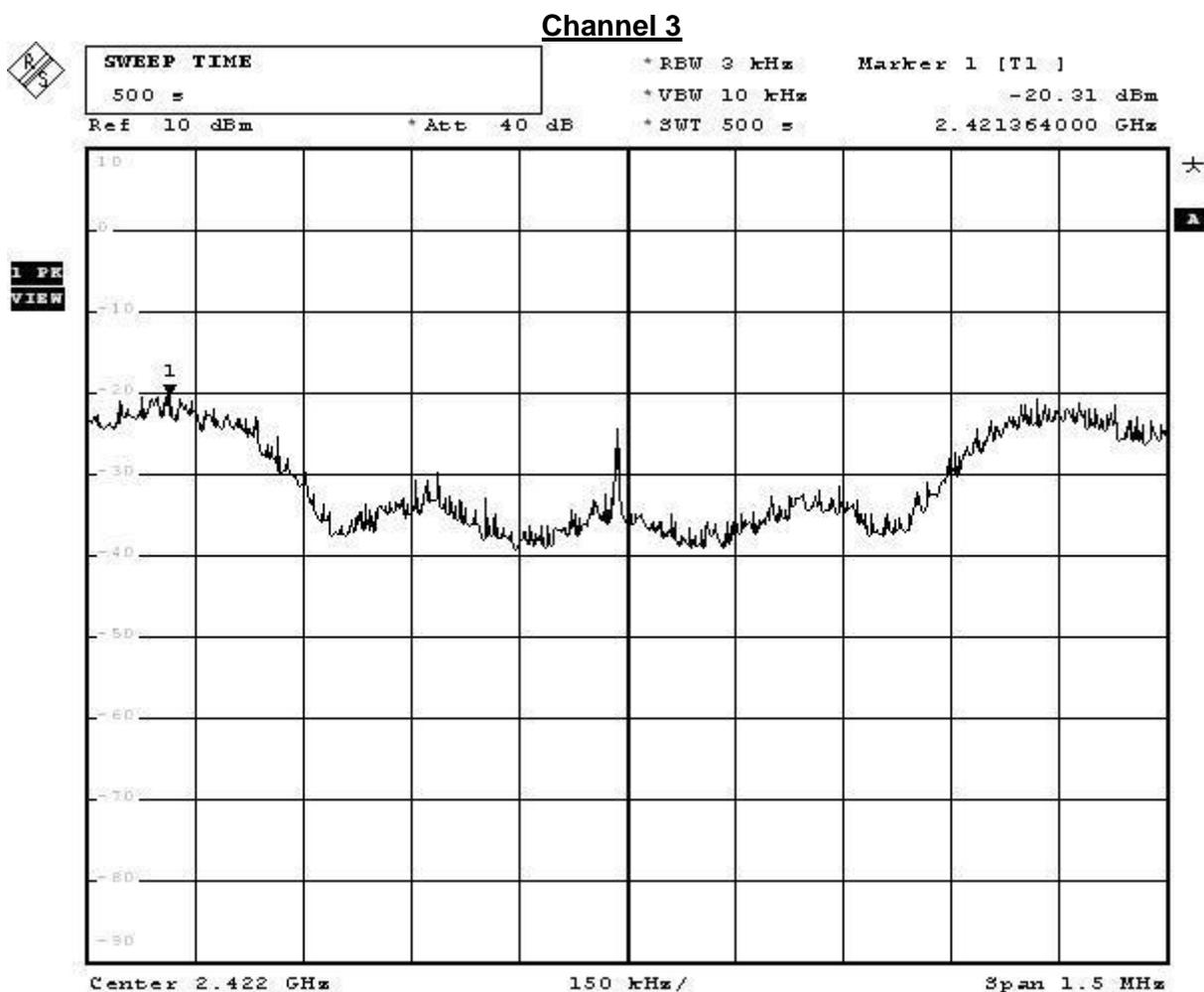


Center 2.452 GHz 150 kHz/ Span 1.5 MHz

Date: 08.AUG.2011 19:18:22

Product	Gigabit Wireless-N Router		
Test Item	Power Density		
Test Mode	Transmit		
Date of Test	2011/08/08	Test Site	SR7

IEEE 802.11n (40M) ANT 1				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
3	2422	-20.31	≤ 8	Pass
6	2437	-16.48	≤ 8	Pass
9	2452	-19.17	≤ 8	Pass



Date: 08.AUG.2011 16:39:42

Channel 6



SWEEP TIME

500 μ s

*RBW 3 kHz

Marker 1 [T1]

*VBW 10 kHz

-16.48 dBm

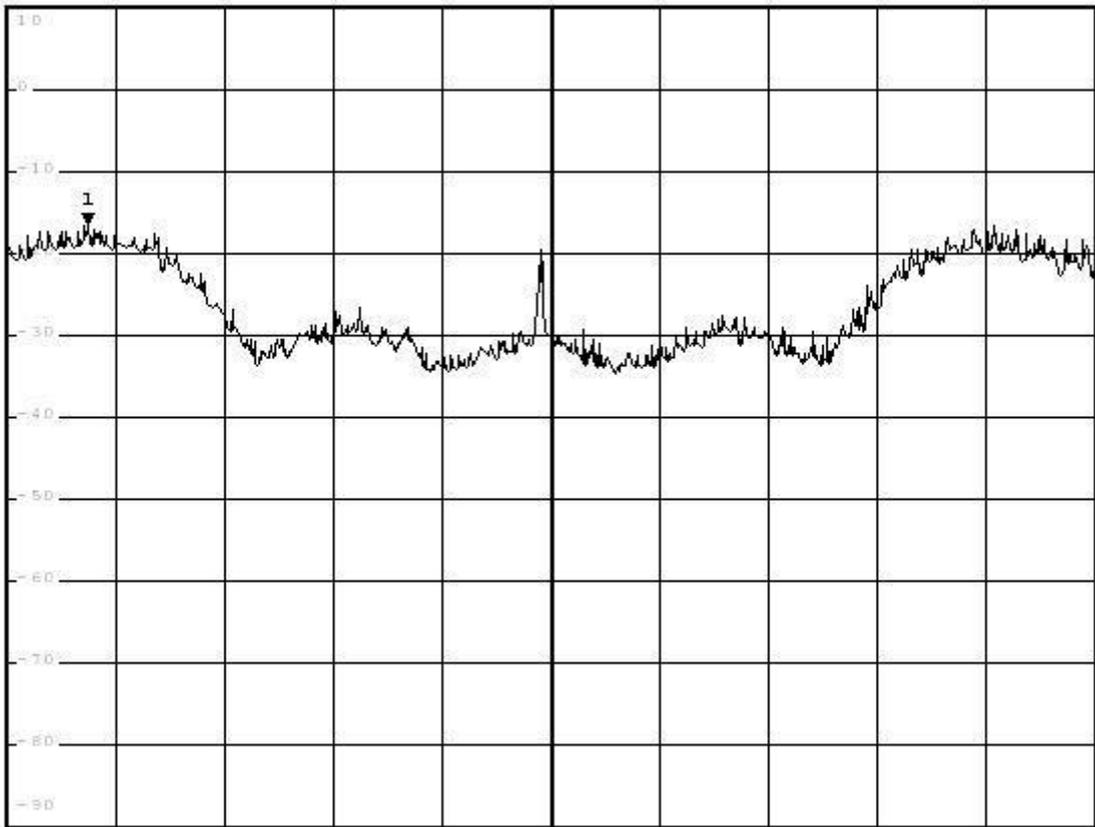
Ref 10 dBm

*Att 40 dB

*SWT 500 μ s

2.436361000 GHz

1 PE
VIEW



Center 2.437 GHz

150 kHz/

Span 1.5 MHz

Date: 08.AUG.2011 19:10:22

Channel 9

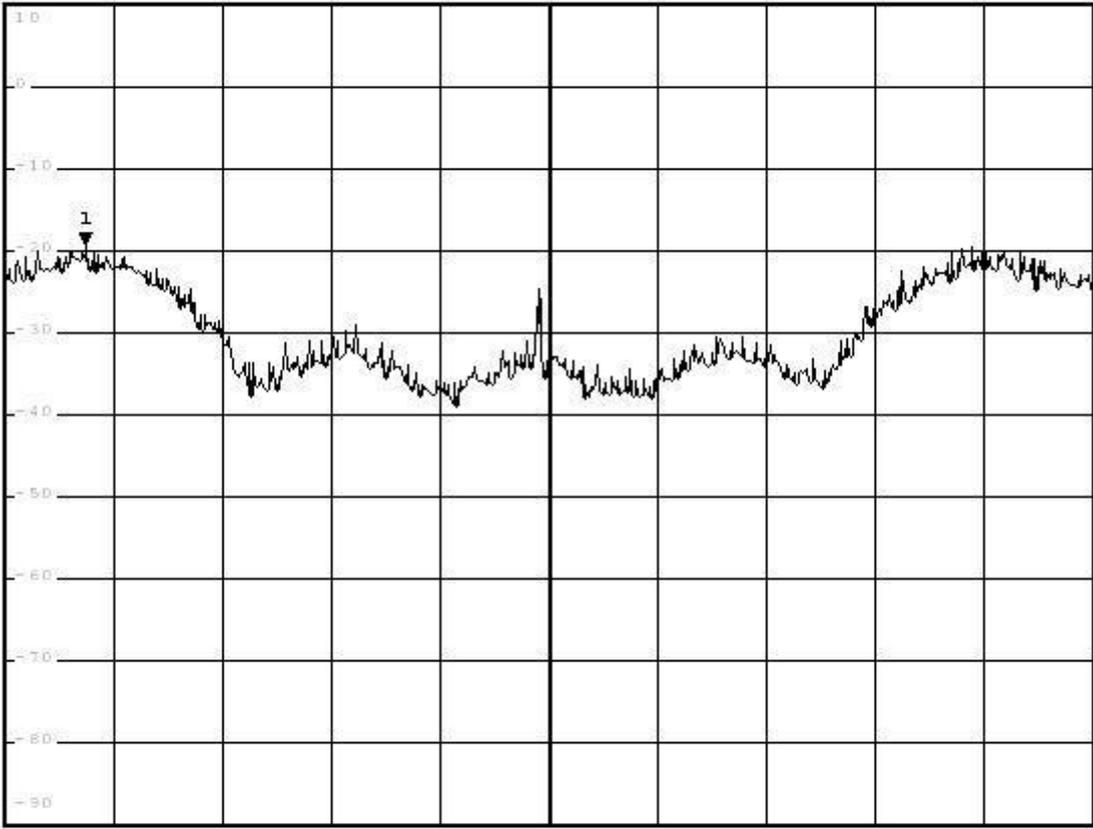


SWEEP TIME
500 μ s

*RBW 3 kHz Marker 1 [T1]
*VBW 10 kHz -19.17 dBm
*SWT 500 μ s 2.451361000 GHz

Ref 10 dBm *Att 40 dB

1 PK
VIEW



Center 2.452 GHz 150 kHz/ Span 1.5 MHz

Date: 08.AUG.2011 19:29:22

Product	Gigabit Wireless-N Router		
Test Item	Power Density		
Test Mode	Transmit		
Date of Test	2011/08/08	Test Site	SR7

IEEE 802.11n (40M) ANT 0+1				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
3	2422	-15.76	≤ 8	Pass
6	2437	-13.16	≤ 8	Pass
9	2452	-15.82	≤ 8	Pass