Test Report

Product Name ： ASUS SuperSpeedN Wireless Router
Model No. ： RT-N13
FCC ID. ： MSQ-RTN13

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

Date of Receipt ： 2008/08/05
Issued Date ： 2008/08/25
Report No. ： 088123R-RFUSP05V01
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 : 2008/08/25
Report No. : 088123R-RFUSP05V01

QuieTek

Product Name	:	ASUS SuperSpeedN Wireless Router
Applicant	:	ASUSTeK COMPUTER INC.
Address	:	No. 15, Li-Te Rd. , Peitou ,Taipei 112,Taiwan
Manufacturer	:	(1) ASUSTek COMPUTER INC. (2) PEGATRON CORPORATION
Model No.	:	RT-N13
FCC ID.	:	MSQ-RTN13
Rated Voltage	:	AC 120 V / 60 Hz
EUT Voltage	:	AC 120 V / 60 Hz
Trade Name	:	ASUS
Applicable Standard	:	FCC CFR Title 47 Part 15 Subpart C Section 15.247
Test Result	:	Complied

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

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Reviewed By : Sheena Huang
(Sheena Huang / Engineer)

Approved By : Roy Wang
(Roy Wang / Manager)

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1. General Information

1.1. EUT Description

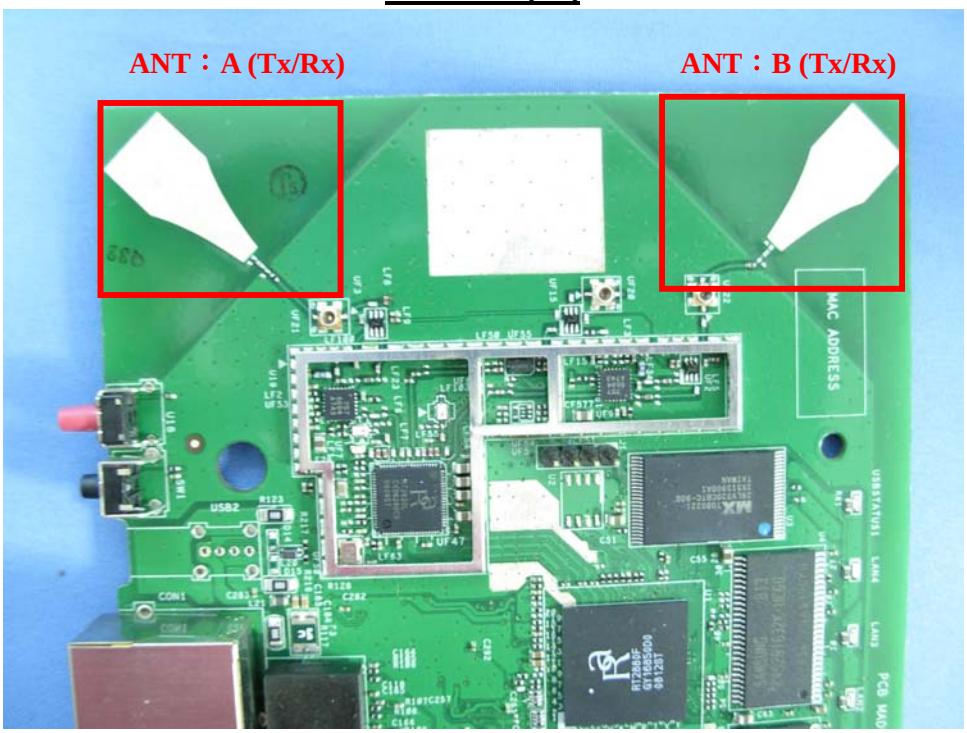
Product Name	ASUS SuperSpeedN Wireless Router
Product Type	WLAN(2Tx,3Rx)
Trade Name	ASUS
Model No.	RT-N13
Frequency Range -IEEE 802.11b/g & IEEE 802.11n (20MHz)	2412~2462MHz
Frequency Range- IEEE 802.11n (40MHz)	2422~2452MHz
Channel Number (IEEE 802.11b/g & IEEE 802.11n (20MHz))	11
Channel Number- IEEE 802.11n (40MHz)	7
Type of Modulation (IEEE 802.11b)	Direct Sequence Spread Spectrum (DSSS)
Type of Modulation (IEEE 802.11g)	Orthogonal Frequency Division Multiplexing (OFDM)
Data Speed (IEEE 802.11b)	1Mbps, 2Mbps, 5.5Mbps, 11Mbps
Data Speed (IEEE 802.11g)	6Mbps,9Mbps,12Mbps,18Mbps,24Mbps,36Mbps,48Mbps,54Mbps
Data Speed (IEEE 802.11n)	Support a subset of the combination of GI, MCS 0~MCS 15 and bandwidth defined in 802.11n
Antenna	ANT A (Tx/Rx): 4.7dBi ; ANT B (Tx/Rx): 4.3 dBi ; ANT C(Rx): 3.7dBi
Channel Control	Manual
Antenna Type	Printed

Component	
LAN Cable	Non-Shielded, 2m
Power Adapter	UMEC, UP0181B-05PA I/P: 100-240V 50/60Hz 0.4A MAX. O/P: +5V 2.5A 12.5W MAX. Cable Out: Non-Shielded, 1.7m

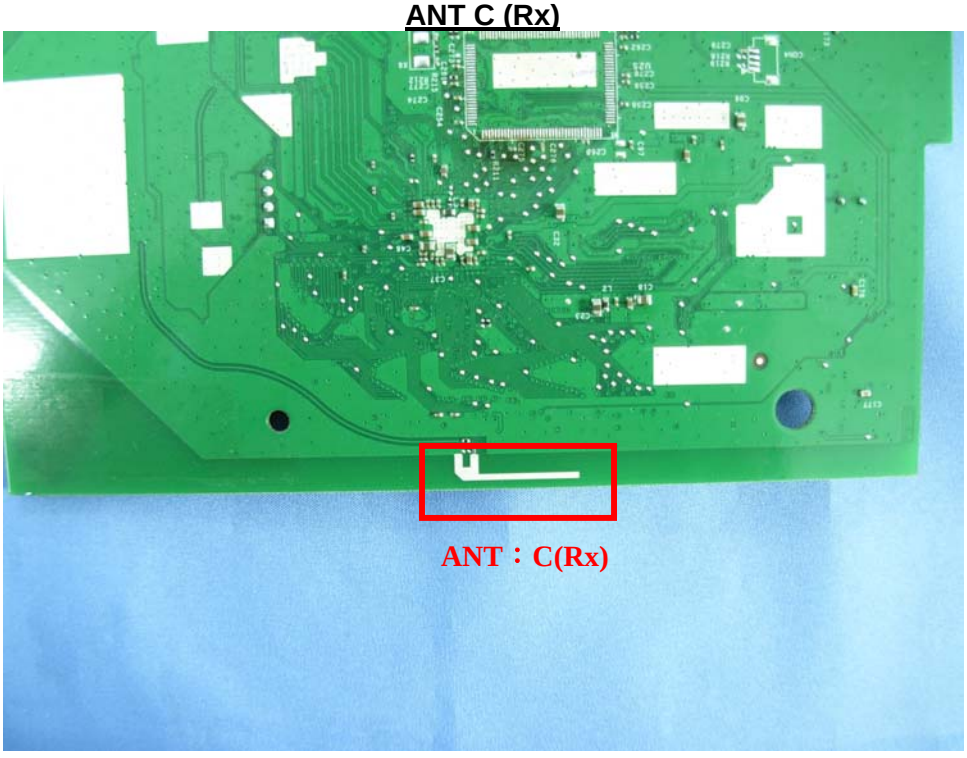
ANT-Tx / Rx & Bandwidth

ANT-Tx / Rx	SINGLE-Tx		TWO-Tx		Rx	
Mode/ Channel Bandwidth	20MHz	40MHz	20MHz	40MHz	20MHz	40MHz
IEEE802.11b	✓				✓	
IEEE802.11g	✓					
Draft 11n			✓	✓	✓	✓

ANT A / B (Tx)



ANT C (Rx)



Draft 11n Spec.

MCS Index	Nss	Modulation	R	NBPSC	NCBPS		NDBPS		Datarate(Mbps)			
									800nsGI		400nsGI	
					20MHz	40MHz	20MHz	40MHz	20MHz	40MHz	20MHz	40MHz
0	1	BPSK	1/2	1	52	108	26	54	6.5	13.5	7.200	15
1	1	QPSK	1/2	2	104	216	52	108	13.0	27.0	14.400	30
2	1	QPSK	3/4	2	104	216	78	162	19.5	40.5	21.700	45
3	1	16-QAM	1/2	4	208	432	104	216	26.0	54.0	28.900	60
4	1	16-QAM	3/4	4	208	432	156	324	39.0	81.0	43.300	90
5	1	64-QAM	2/3	6	312	648	208	432	52.0	108.0	57.800	120
6	1	64-QAM	3/4	6	312	648	234	486	58.5	121.5	65.000	135
7	1	64-QAM	5/6	6	312	648	260	540	65.0	135.0	72.200	150
8	2	BPSK	1/2	1	104	216	52	108	13.0	27.0	14.444	30
9	2	QPSK	1/2	2	208	432	104	216	26.0	54.0	28.889	60
10	2	QPSK	3/4	2	208	432	156	324	39.0	81.0	43.333	90
11	2	16-QAM	1/2	4	416	864	208	432	52.0	108.0	57.778	120
12	2	16-QAM	3/4	4	416	864	312	648	78.0	162.0	86.667	180
13	2	64-QAM	2/3	6	624	1296	416	864	104.0	216.0	115.556	240
14	2	64-QAM	3/4	6	624	1296	468	972	117.0	243.0	130.000	270
15	2	64-QAM	5/6	6	624	1296	520	1080	130.0	270.0	144.444	300

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

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

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

IEEE 802.11n (40MHz)

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

Note:

1. This device is an ASUS SuperSpeedN Wireless Router, which including 2.4GHz b/g and 11n (2x3) 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 088123R-RFUSP01V02 under Declaration of Conformity.

1.3. Test Mode

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

Tx	Mode 1: Transmit

Test Items	Mode1	Channel	Antenna	Result
Conducted Emission	b/g/11n(20M)/11n(40MHz)	6	A/A+B	Complies
Peak Power Output	b/g	1 /6/ 11	A	Complies
	11n-MCS15(20MHz)	1 /6/ 11	A+B	Complies
	11n-MCS15 (40MHz)	3 /6/ 9	A+B	Complies
Radiated Emission	b/g	1 /6/ 11	A	Complies
	11n-MCS15(20MHz)	1 /6/ 11	A+B	Complies
	11n-MCS15 (40MHz)	3 /6/ 9	A+B	Complies
RF antenna conducted test	b/g	1 /6/ 11	A	Complies
	11n-MCS15 (20MHz)	1 /6/ 11	A/B	Complies
	11n-MCS15 (40MHz)	3 /6/ 9	A/B	Complies
Radiated Emission Band Edge	b/g	1 /6/ 11	A	Complies
	11n-MCS15 (20MHz)	1 /6/ 11	A+B	Complies
	11n-MCS15 (40MHz)	3 /6/ 9	A+B	Complies
Occupied Bandwidth	b/g	1 /6/ 11	A	Complies
	11n-MCS15 (20MHz)	1 /6/ 11	A/B	Complies
	11n-MCS15 (40MHz)	3 /6/ 9	A/B	Complies
Power Density	b/g	1 /6/ 11	A	Complies
	11n-MCS15 (20MHz)	1 /6/ 11	A+B	Complies
	11n-MCS15 (40MHz)	3 /6/ 9	A+B	Complies

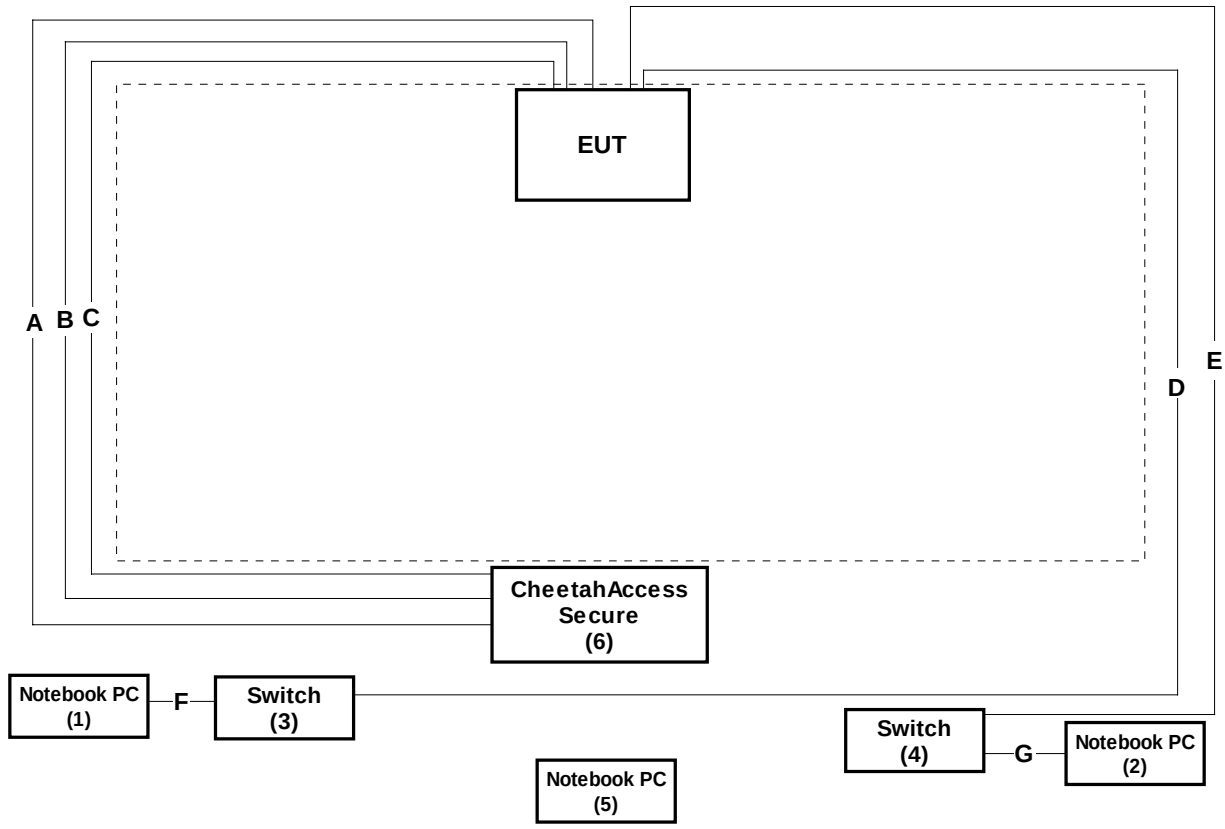
1.4. Tested System Details

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	Notebook PC	DELL	PP10L	3Y220	DoC	Non-Shielded, 1.8m
2	Notebook PC	DELL	LATITUDE D400	HK43D1S	DoC	Non-Shielded, 1.7m, one ferrite core bonded
3	Switch	Extreme Networks	Summit 24a	000130102CD7	DoC	Non-Shielded, 1.8m
4	Switch	D-Link	DGS-3308TG	N/A	DoC	Non-Shielded, 1.8m
5	Notebook PC	DELL	LATITUDE D400	GK43D1S	DoC	Non-Shielded, 1.7m, one ferrite core bonded
6	CheetahAccess Secure	Accton	AC-IG1104	N/A	DoC	Non-Shielded, 1.8m

1.5. Configuration of tested System

Connection Diagram



Signal Cable Type		Signal cable Description
A	LAN Cable	Non-Shielded, 10m
B	LAN Cable	Non-Shielded, 10m
C	LAN Cable	Non-Shielded, 10m
D	LAN Cable	Non-Shielded, 10m
E	LAN Cable	Non-Shielded, 10m
F	LAN Cable	Non-Shielded, 1.5m
G	LAN Cable	Non-Shielded, 1.5m

1.6. EUT Exercise Software

1	Setup the EUT and simulators as shown on 1.5.
2	Turn on the power of all equipment.
3	Boot the Notebook PC from Hard Disk.
4	Data will communicate by connecting to LAN port of Notebook PC.
5	The Notebook PC ‘s monitor will show the transmitting and receiving characteristics when the communication is success.
6	Repeat the above procedure (4) to (5).

1.7. Test Facility

Ambient conditions in the laboratory:

Items	Test Item	Required (IEC 68-1)	Actual
Temperature (°C)	FCC PART 15 C 15.207 Conducted Emission	15 - 35	20
Humidity (%RH)		25 - 75	50
Barometric pressure (mbar)		860 - 1060	950-1000
Temperature (°C)	FCC PART 15 C 15.247 Peak Power Output (DSSS)	15 - 35	23.5
Humidity (%RH)		25 - 75	53
Barometric pressure (mbar)		860 - 1060	950-1000
Temperature (°C)	FCC PART 15 C 15.247 Radiated Emission (DSSS)	15 - 35	25
Humidity (%RH)		25 - 75	65
Barometric pressure (mbar)		860 - 1060	950-1000
Temperature (°C)	FCC PART 15 C 15.247 Band Edge (DSSS)	15 - 35	26
Humidity (%RH)		25 - 75	65
Barometric pressure (mbar)		860 - 1060	950-1000
Temperature (°C)	FCC PART 15 C 15.247 Occupied Bandwidth (DSSS)	15 - 35	26
Humidity (%RH)		25 - 75	52.8
Barometric pressure (mbar)		860 - 1060	950-1000
Temperature (°C)	FCC PART 15 C 15.247 Power Density (DSSS)	15 - 35	26
Humidity (%RH)		25 - 75	52.8
Barometric pressure (mbar)		860 - 1060	950-1000

Site Description:

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

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

Testing Laboratory 1313

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

NVLAP Lab Code : 200347-0

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

2. Conducted Emission

2.1. Test Equipment

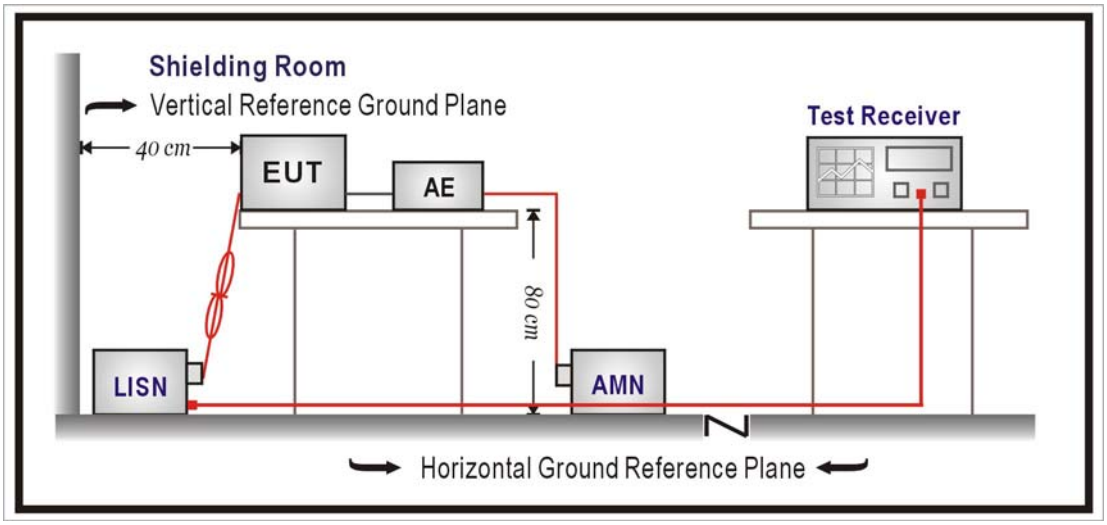
The following test equipments are used during the test:

Conducted Emission / SR3

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

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

2.2. Test Setup



2.3. Limits

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

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

2.4. Test Procedure

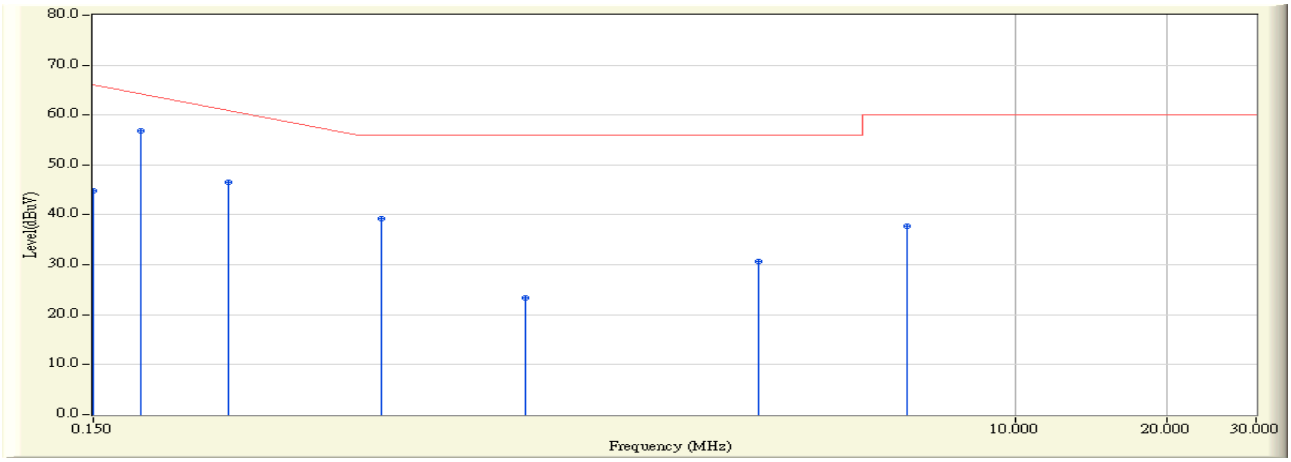
The EUT was setup according to ANSI C63.4, 2003 and tested according to DTS test procedure of Oct 2002 KDB558074 for compliance to FCC 47CFR 15.247 requirements.
The EUT was placed on a platform of nominal size, 1 m by 1.5 m, raised 80 cm above the conducting ground plane. The vertical conducting plane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

2.5. Uncertainty

The measurement uncertainty is defined as ± 2.26 dB.

2.6. Test Result

Site : ShieldingRoom3	**Time : 2008/08/08 - 09:41**
Limit : NCC_2.3_00M_QP	**Margin : 0**
Probe : SR3_LISN(16A) - Line1	**Power : AC 120V/60Hz**
EUT : ASUS SuperSpeedN Wireless Router	**Note : Tx-B**

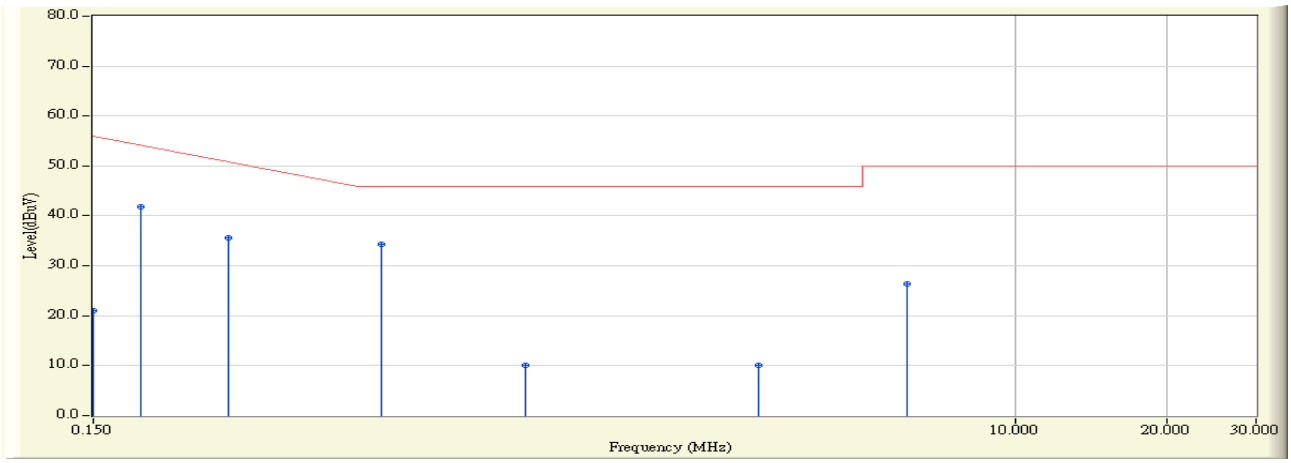


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1		0.150	-0.033	44.790	44.756	-21.244	66.000	QUASIPEAK
2	*	0.186	-0.030	56.842	56.812	-8.159	64.971	QUASIPEAK
3		0.278	-0.010	46.519	46.508	-15.835	62.343	QUASIPEAK
4		0.558	0.030	39.223	39.253	-16.747	56.000	QUASIPEAK
5		1.078	0.067	23.254	23.322	-32.678	56.000	QUASIPEAK
6		3.110	0.170	30.598	30.768	-25.232	56.000	QUASIPEAK
7		6.134	0.310	37.474	37.784	-22.216	60.000	QUASIPEAK

Note:

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

Site : ShieldingRoom3	**Time : 2008/08/08 - 09:41**
Limit : NCC_2.3_00M_AV	**Margin : 0**
Probe : SR3_LISN(16A) - Line1	**Power : AC 120V/60Hz**
EUT : ASUS SuperSpeedN Wireless Router	**Note : Tx-B**

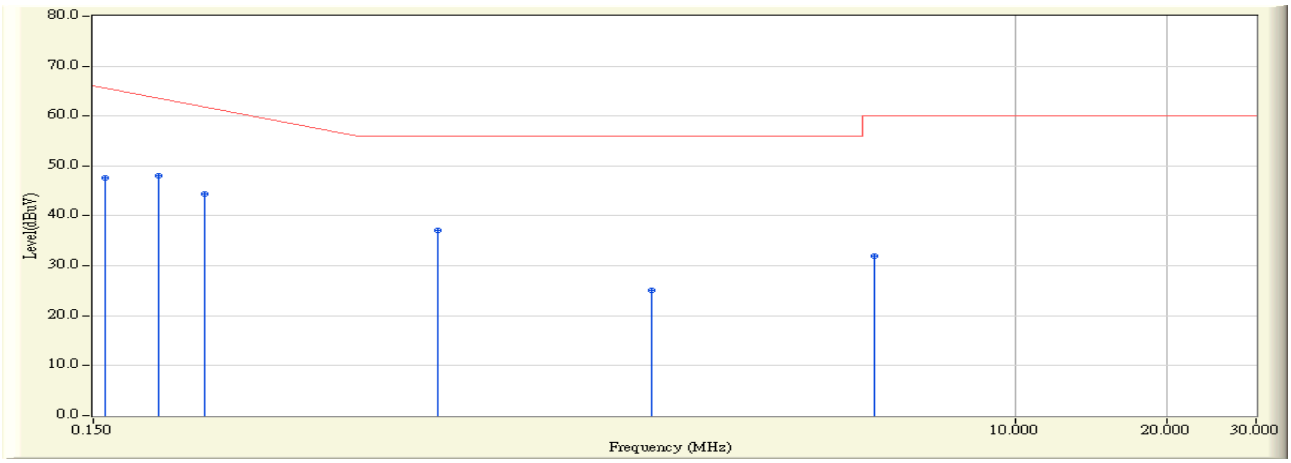


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1		0.150	-0.033	21.093	21.060	-34.940	56.000	AVERAGE
2		0.186	-0.030	41.896	41.866	-13.105	54.971	AVERAGE
3		0.278	-0.010	35.642	35.632	-16.711	52.343	AVERAGE
4	*	0.558	0.030	34.371	34.401	-11.599	46.000	AVERAGE
5		1.078	0.067	10.000	10.067	-35.933	46.000	AVERAGE
6		3.110	0.170	10.000	10.170	-35.830	46.000	AVERAGE
7		6.134	0.310	26.165	26.475	-23.525	50.000	AVERAGE

Note:

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

Site : ShieldingRoom3	**Time : 2008/08/08 - 09:48**
Limit : NCC_2.3_00M_QP	**Margin : 0**
Probe : SR3_LISN(16A) - Line2	**Power : AC 120V/60Hz**
EUT : ASUS SuperSpeedN Wireless Router	**Note : Tx-B**

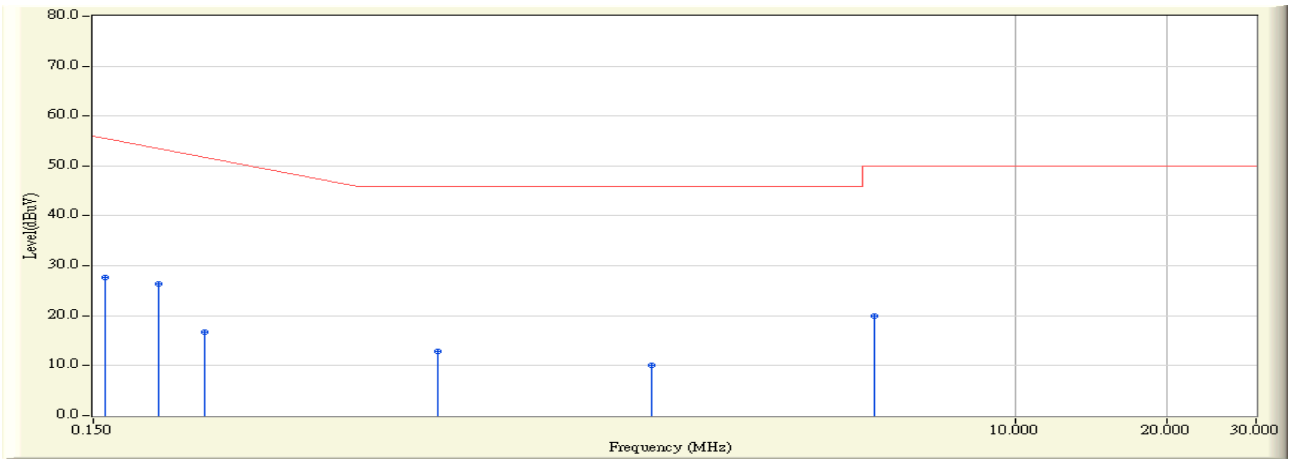


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1		0.158	-0.031	47.720	47.689	-18.082	65.771	QUASIPEAK
2	*	0.202	-0.026	48.022	47.997	-16.517	64.514	QUASIPEAK
3		0.250	-0.020	44.367	44.347	-18.796	63.143	QUASIPEAK
4		0.722	0.057	37.121	37.178	-18.822	56.000	QUASIPEAK
5		1.910	0.155	25.034	25.189	-30.811	56.000	QUASIPEAK
6		5.278	0.310	31.673	31.983	-28.017	60.000	QUASIPEAK

Note:

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

Site : ShieldingRoom3	**Time : 2008/08/08 - 09:48**
Limit : NCC_2.3_00M_AV	**Margin : 0**
Probe : SR3_LISN(16A) - Line2	**Power : AC 120V/60Hz**
EUT : ASUS SuperSpeedN Wireless Router	**Note : Tx-B**

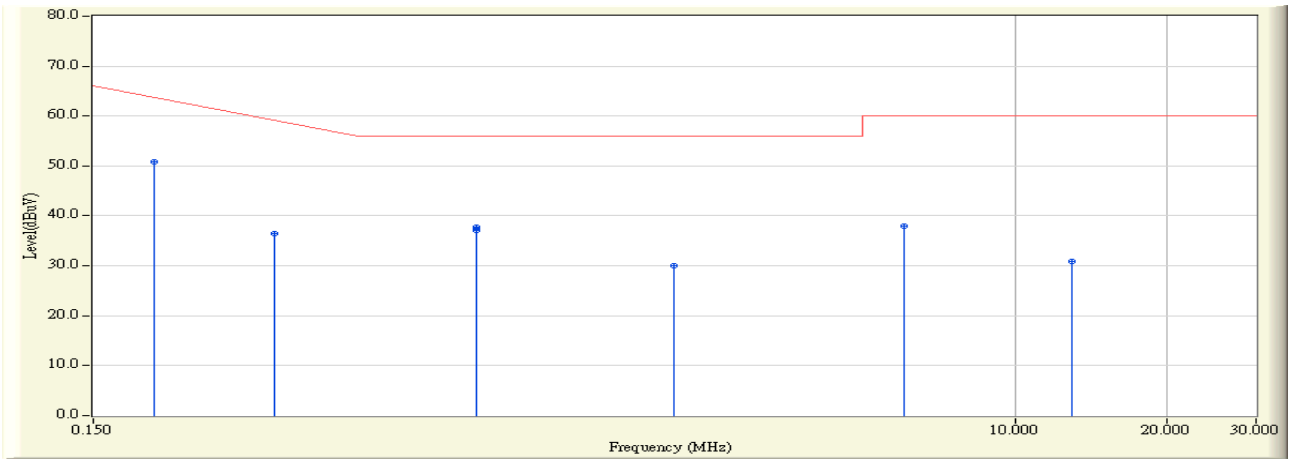


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1	*	0.158	-0.031	27.744	27.714	-28.057	55.771	AVERAGE
2		0.202	-0.026	26.435	26.410	-28.104	54.514	AVERAGE
3		0.250	-0.020	16.828	16.808	-36.335	53.143	AVERAGE
4		0.722	0.057	12.722	12.779	-33.221	46.000	AVERAGE
5		1.910	0.155	10.000	10.155	-35.845	46.000	AVERAGE
6		5.278	0.310	19.551	19.861	-30.139	50.000	AVERAGE

Note:

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

Site : ShieldingRoom3	**Time : 2008/08/08 - 09:56**
Limit : NCC_2.3_00M_QP	**Margin : 0**
Probe : SR3_LISN(16A) - Line1	**Power : AC 120V/60Hz**
EUT : ASUS SuperSpeedN Wireless Router	**Note : Tx-G**

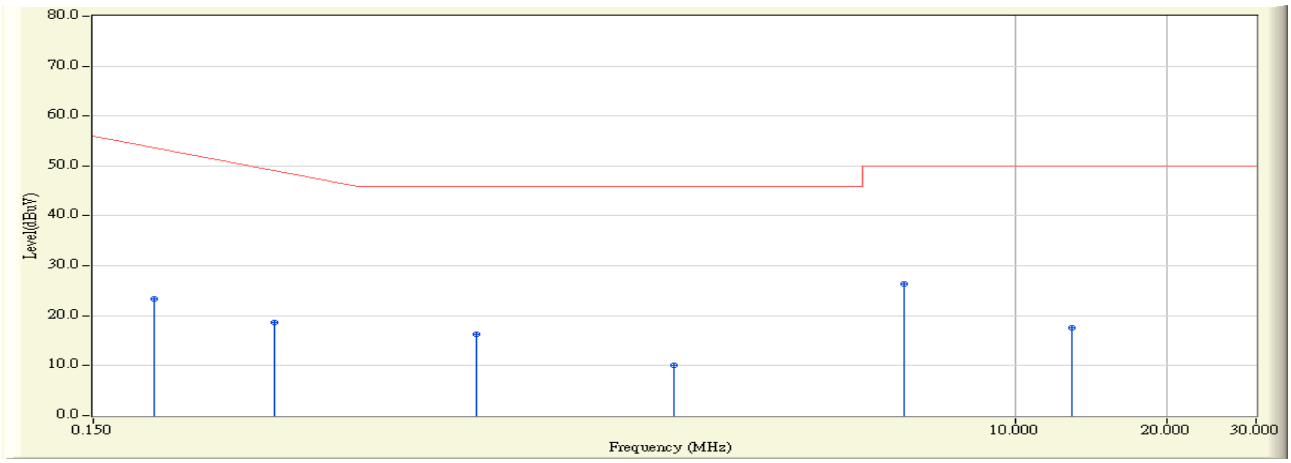


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1	*	0.198	-0.027	50.911	50.884	-13.745	64.629	QUASIPEAK
2		0.342	0.001	36.381	36.382	-24.132	60.514	QUASIPEAK
3		0.862	0.050	37.072	37.122	-18.878	56.000	QUASIPEAK
4		0.862	0.050	37.611	37.661	-18.339	56.000	QUASIPEAK
5		2.110	0.120	29.932	30.052	-25.948	56.000	QUASIPEAK
6		6.042	0.301	37.759	38.060	-21.940	60.000	QUASIPEAK
7		12.946	0.610	30.336	30.946	-29.054	60.000	QUASIPEAK

Note:

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

Site : ShieldingRoom3	**Time : 2008/08/08 - 09:56**
Limit : NCC_2.3_00M_AV	**Margin : 0**
Probe : SR3_LISN(16A) - Line1	**Power : AC 120V/60Hz**
EUT : ASUS SuperSpeedN Wireless Router	**Note : Tx-G**

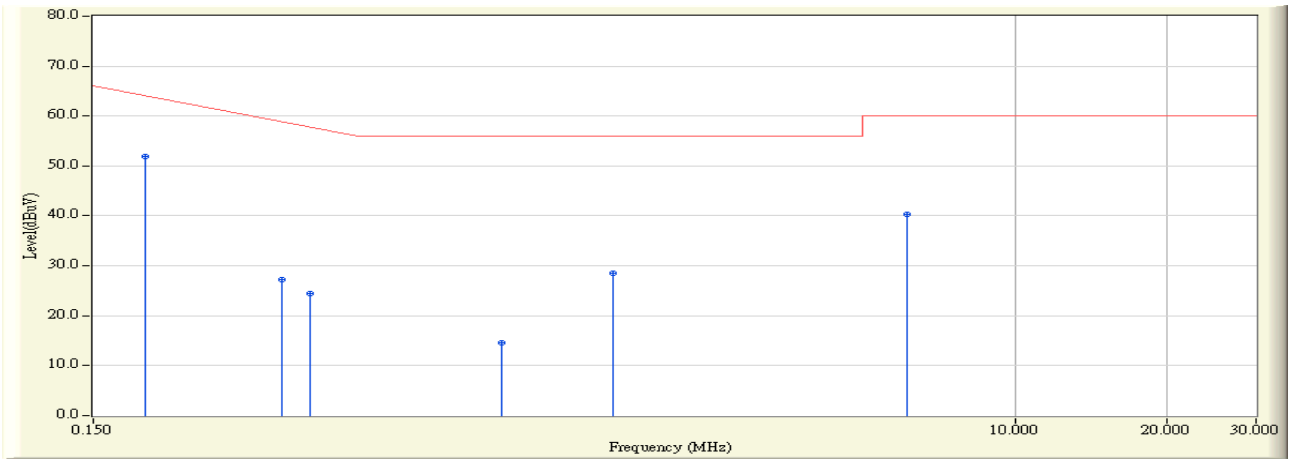


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1		0.198	-0.027	23.380	23.353	-31.276	54.629	AVERAGE
2		0.342	0.001	18.691	18.692	-31.822	50.514	AVERAGE
3		0.862	0.050	16.347	16.397	-29.603	46.000	AVERAGE
4		2.110	0.120	10.000	10.120	-35.880	46.000	AVERAGE
5	*	6.042	0.301	26.128	26.429	-23.571	50.000	AVERAGE
6		12.946	0.610	17.043	17.653	-32.347	50.000	AVERAGE

Note:

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

Site : ShieldingRoom3	**Time : 2008/08/08 - 10:01**
Limit : NCC_2.3_00M_QP	**Margin : 0**
Probe : SR3_LISN(16A) - Line2	**Power : AC 120V/60Hz**
EUT : ASUS SuperSpeedN Wireless Router	**Note : Tx-G**

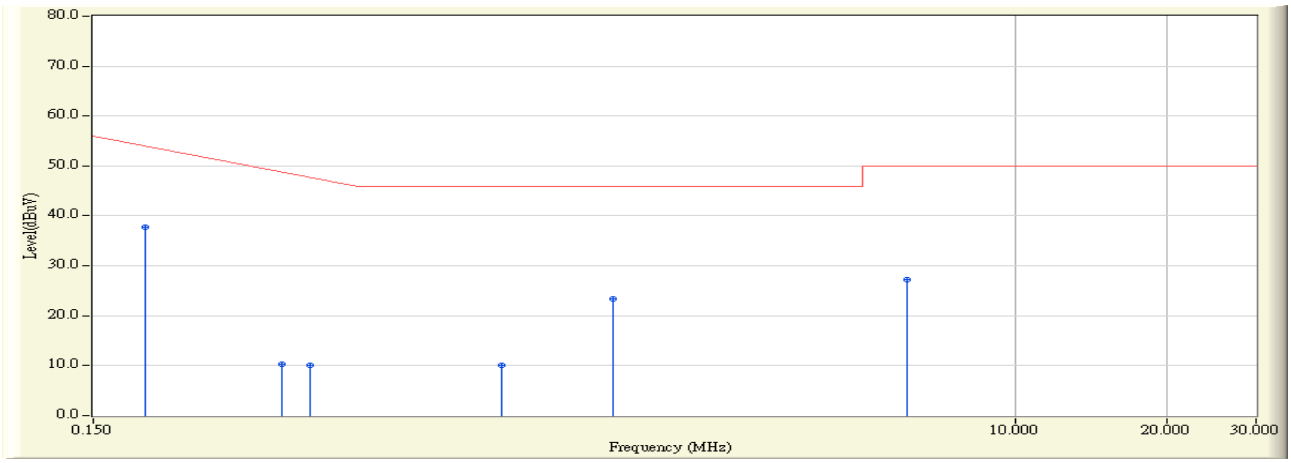


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1	*	0.190	-0.030	51.872	51.842	-13.015	64.857	QUASIPEAK
2		0.354	0.015	27.321	27.336	-32.835	60.171	QUASIPEAK
3		0.402	0.021	24.494	24.515	-34.285	58.800	QUASIPEAK
4		0.966	0.080	14.480	14.560	-41.440	56.000	QUASIPEAK
5		1.602	0.130	28.450	28.580	-27.420	56.000	QUASIPEAK
6		6.122	0.350	39.966	40.316	-19.684	60.000	QUASIPEAK

Note:

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

Site : ShieldingRoom3	**Time : 2008/08/08 - 10:01**
Limit : NCC_2.3_00M_AV	**Margin : 0**
Probe : SR3_LISN(16A) - Line2	**Power : AC 120V/60Hz**
EUT : ASUS SuperSpeedN Wireless Router	**Note : Tx-G**

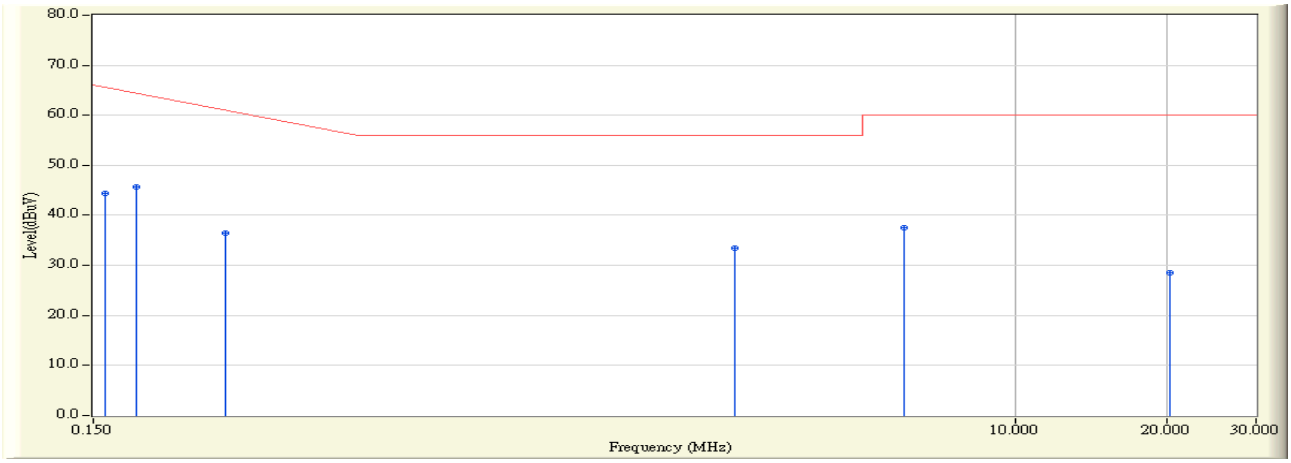


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1	*	0.190	-0.030	37.850	37.820	-17.037	54.857	AVERAGE
2		0.354	0.015	10.224	10.239	-39.932	50.171	AVERAGE
3		0.402	0.021	10.000	10.021	-38.779	48.800	AVERAGE
4		0.966	0.080	10.000	10.080	-35.920	46.000	AVERAGE
5		1.602	0.130	23.309	23.439	-22.561	46.000	AVERAGE
6		6.122	0.350	26.965	27.315	-22.685	50.000	AVERAGE

Note:

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

Site : ShieldingRoom3	**Time : 2008/08/08 - 10:12**
Limit : NCC_2.3_00M_QP	**Margin : 0**
Probe : SR3_LISN(16A) - Line1	**Power : AC 120V/60Hz**
EUT : ASUS SuperSpeedN Wireless Router	**Note : Tx-11N(20MHz)**

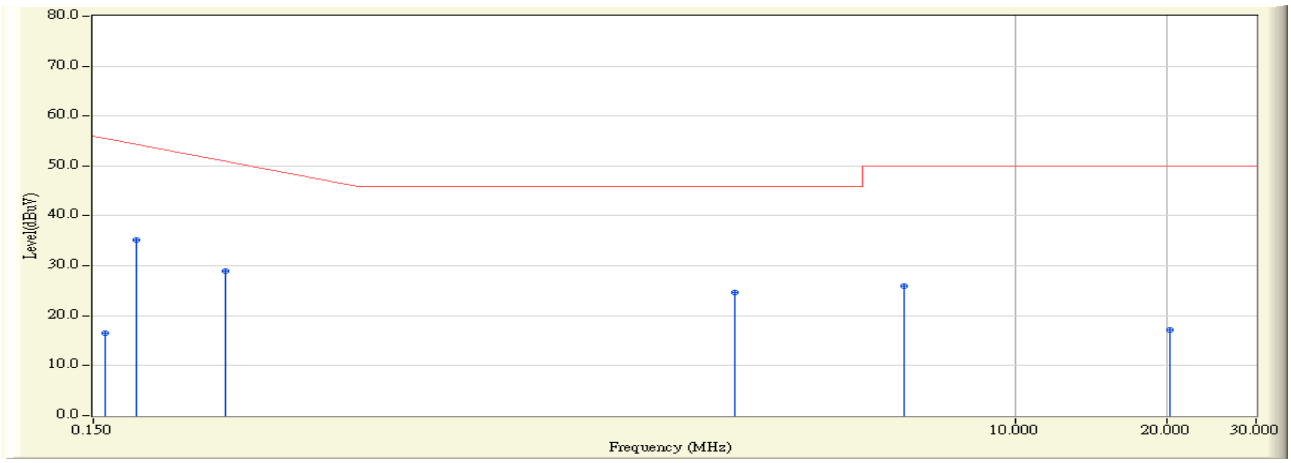


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1		0.158	-0.031	44.431	44.401	-21.370	65.771	QUASIPEAK
2	*	0.182	-0.030	45.725	45.695	-19.391	65.086	QUASIPEAK
3		0.274	-0.012	36.423	36.411	-26.046	62.457	QUASIPEAK
4		2.794	0.160	33.290	33.450	-22.550	56.000	QUASIPEAK
5		6.042	0.301	37.205	37.507	-22.493	60.000	QUASIPEAK
6		20.298	0.890	27.722	28.612	-31.388	60.000	QUASIPEAK

Note:

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

Site : ShieldingRoom3	**Time : 2008/08/08 - 10:12**
Limit : NCC_2.3_00M_AV	**Margin : 0**
Probe : SR3_LISN(16A) - Line1	**Power : AC 120V/60Hz**
EUT : ASUS SuperSpeedN Wireless Router	**Note : Tx-11N(20MHz)**

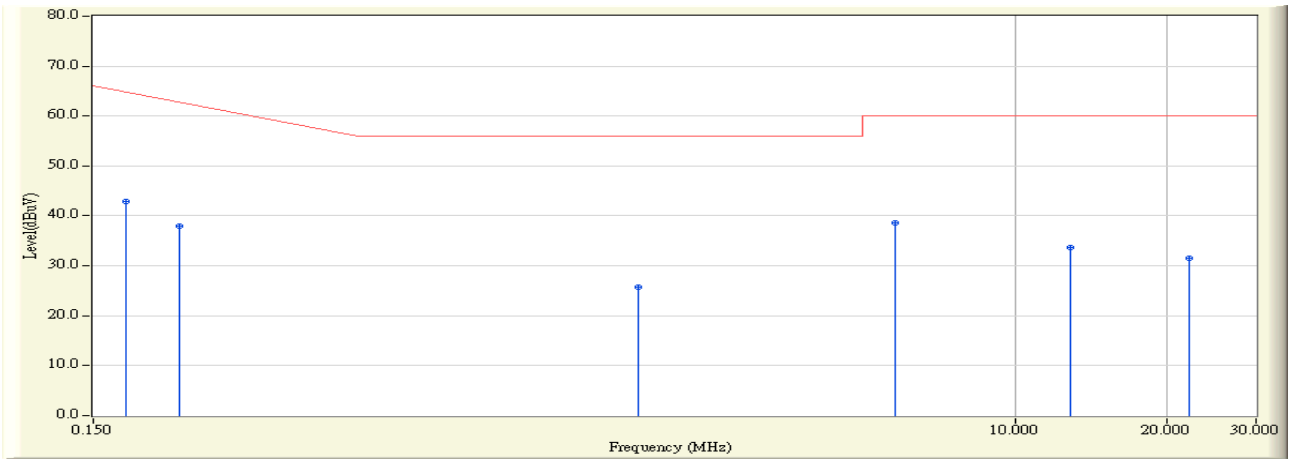


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1		0.158	-0.031	16.637	16.606	-39.165	55.771	AVERAGE
2	*	0.182	-0.030	35.277	35.247	-19.839	55.086	AVERAGE
3		0.274	-0.012	29.037	29.025	-23.432	52.457	AVERAGE
4		2.794	0.160	24.406	24.566	-21.434	46.000	AVERAGE
5		6.042	0.301	25.632	25.933	-24.067	50.000	AVERAGE
6		20.298	0.890	16.325	17.215	-32.785	50.000	AVERAGE

Note:

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

Site : ShieldingRoom3	**Time : 2008/08/08 - 10:16**
Limit : NCC_2.3_00M_QP	**Margin : 0**
Probe : SR3_LISN(16A) - Line2	**Power : AC 120V/60Hz**
EUT : ASUS SuperSpeedN Wireless Router	**Note : Tx-11N(20MHz)**

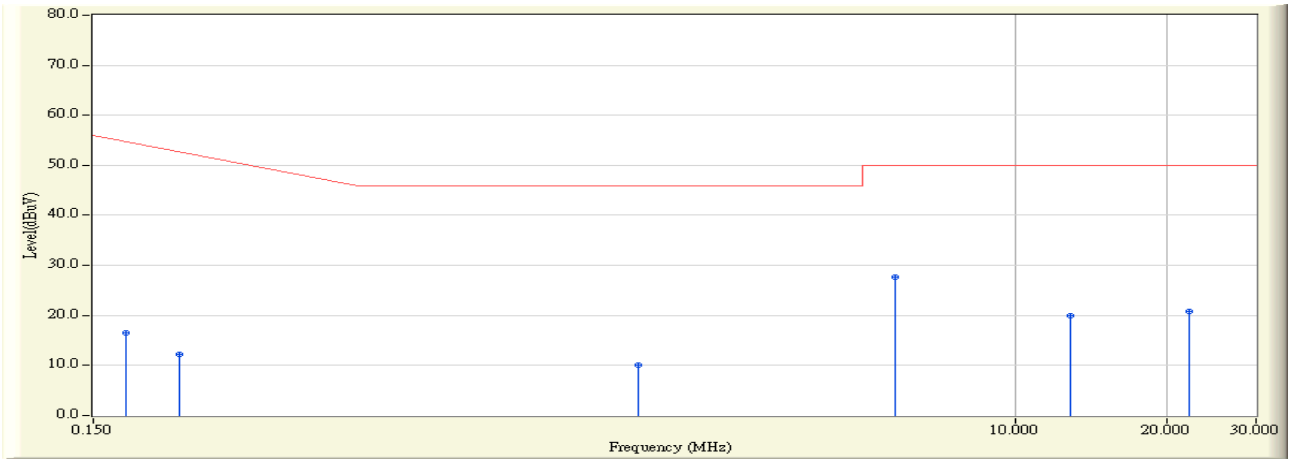


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1		0.174	-0.030	43.032	43.002	-22.312	65.314	QUASIPEAK
2		0.222	-0.020	38.031	38.011	-25.932	63.943	QUASIPEAK
3		1.798	0.150	25.530	25.680	-30.320	56.000	QUASIPEAK
4	*	5.786	0.340	38.363	38.703	-21.297	60.000	QUASIPEAK
5		12.858	0.690	32.917	33.607	-26.393	60.000	QUASIPEAK
6		22.174	1.020	30.576	31.596	-28.404	60.000	QUASIPEAK

Note:

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

Site : ShieldingRoom3	**Time : 2008/08/08 - 10:16**
Limit : NCC_2.3_00M_AV	**Margin : 0**
Probe : SR3_LISN(16A) - Line2	**Power : AC 120V/60Hz**
EUT : ASUS SuperSpeedN Wireless Router	**Note : Tx-11N(20MHz)**

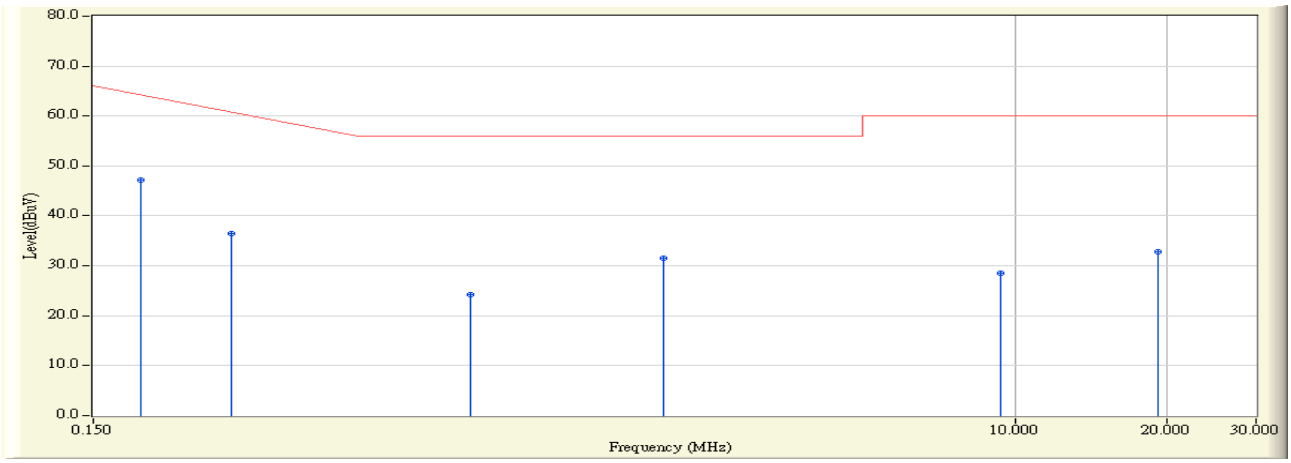


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1		0.174	-0.030	16.444	16.414	-38.900	55.314	AVERAGE
2		0.222	-0.020	12.320	12.300	-41.643	53.943	AVERAGE
3		1.798	0.150	10.000	10.150	-35.850	46.000	AVERAGE
4	*	5.786	0.340	27.301	27.641	-22.359	50.000	AVERAGE
5		12.858	0.690	19.322	20.012	-29.988	50.000	AVERAGE
6		22.174	1.020	19.888	20.908	-29.092	50.000	AVERAGE

Note:

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

Site : ShieldingRoom3	**Time : 2008/08/12 - 20:31**
Limit : CISPR_B_00M_QP	**Margin : 0**
Probe : SR3_LISN(16A) - Line1	**Power : AC 230V/50Hz**
EUT : ASUS SuperSpeedN Wireless Router	**Note : Tx-11N(40MHz)**

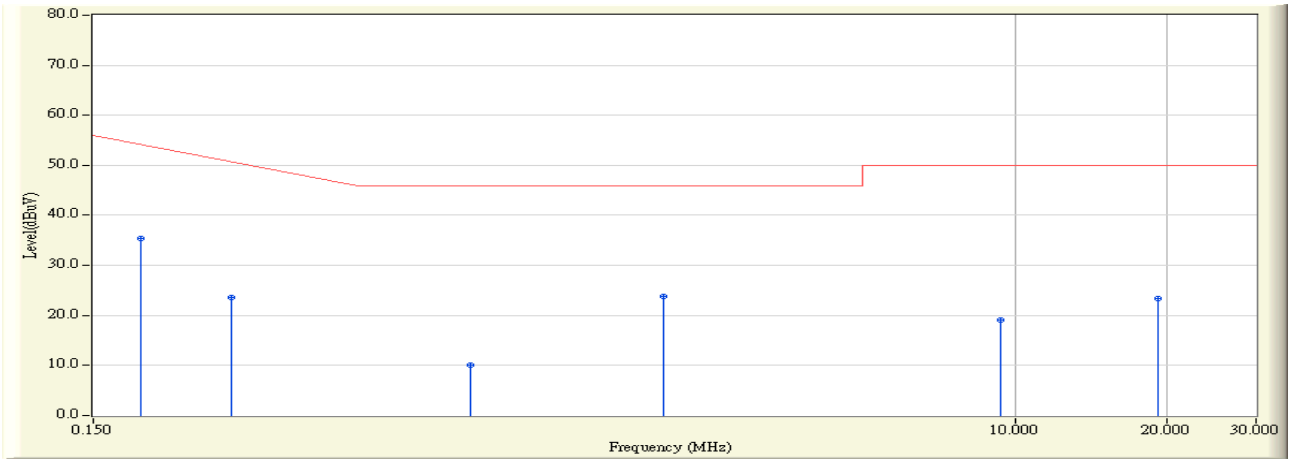


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1	*	0.186	-0.030	47.260	47.230	-17.741	64.971	QUASIPEAK
2		0.282	-0.010	36.402	36.392	-25.837	62.229	QUASIPEAK
3		0.838	0.050	24.095	24.145	-31.855	56.000	QUASIPEAK
4		2.022	0.120	31.413	31.533	-24.467	56.000	QUASIPEAK
5		9.342	0.460	28.057	28.517	-31.483	60.000	QUASIPEAK
6		19.130	0.860	31.885	32.745	-27.255	60.000	QUASIPEAK

Note:

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

Site : ShieldingRoom3	**Time : 2008/08/12 - 20:31**
Limit : CISPR_B_00M_AV	**Margin : 0**
Probe : SR3_LISN(16A) - Line1	**Power : AC 230V/50Hz**
EUT : ASUS SuperSpeedN Wireless Router	**Note : Tx-11N(40MHz)**

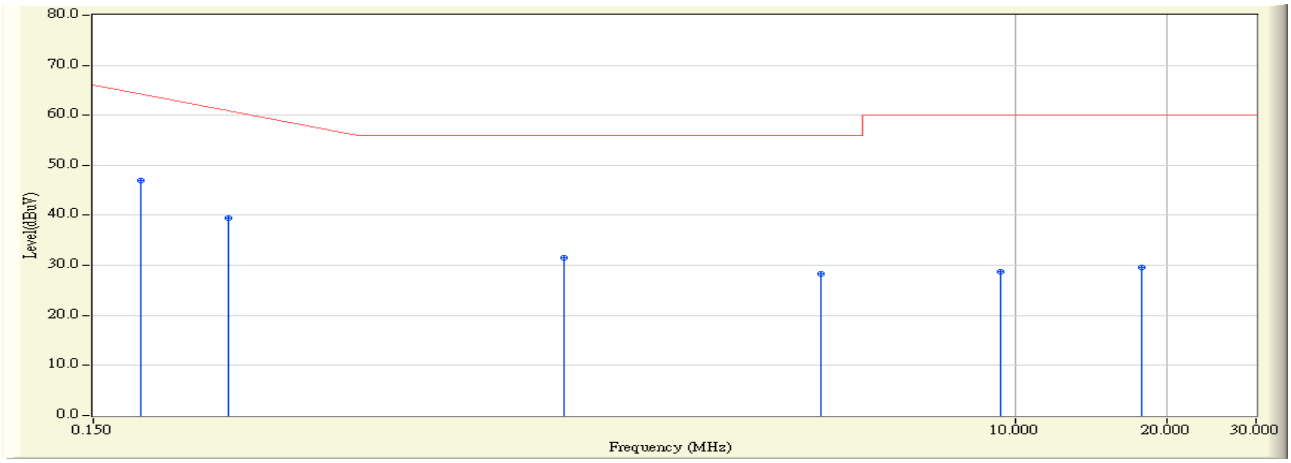


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1	*	0.186	-0.030	35.495	35.465	-19.506	54.971	AVERAGE
2		0.282	-0.010	23.565	23.555	-28.674	52.229	AVERAGE
3		0.838	0.050	10.000	10.050	-35.950	46.000	AVERAGE
4		2.022	0.120	23.629	23.749	-22.251	46.000	AVERAGE
5		9.342	0.460	18.605	19.065	-30.935	50.000	AVERAGE
6		19.130	0.860	22.472	23.332	-26.668	50.000	AVERAGE

Note:

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

Site : ShieldingRoom3	**Time : 2008/08/12 - 20:35**
Limit : CISPR_B_00M_QP	**Margin : 0**
Probe : SR3_LISN(16A) - Line2	**Power : AC 230V/50Hz**
EUT : ASUS SuperSpeedN Wireless Router	**Note : Tx-11N(40MHz)**

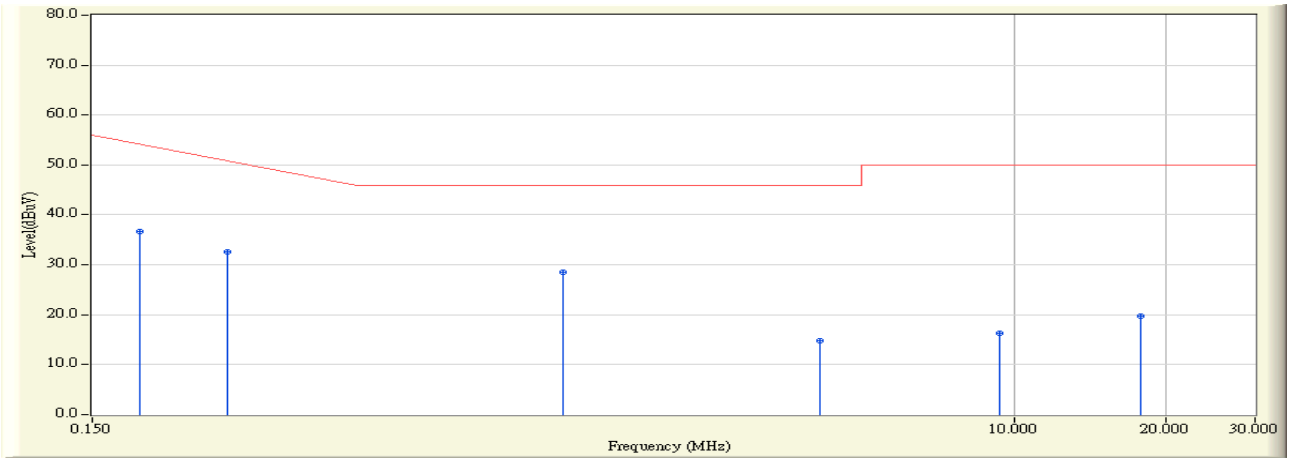


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1	*	0.186	-0.030	47.072	47.042	-17.929	64.971	QUASIPEAK
2		0.278	-0.010	39.382	39.372	-22.971	62.343	QUASIPEAK
3		1.282	0.110	31.432	31.542	-24.458	56.000	QUASIPEAK
4		4.142	0.250	28.008	28.258	-27.742	56.000	QUASIPEAK
5		9.370	0.500	28.225	28.725	-31.275	60.000	QUASIPEAK
6		17.858	0.890	28.602	29.492	-30.508	60.000	QUASIPEAK

Note:

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

Site : ShieldingRoom3	**Time : 2008/08/12 - 20:35**
Limit : CISPR_B_00M_AV	**Margin : 0**
Probe : SR3_LISN(16A) - Line2	**Power : AC 230V/50Hz**
EUT : ASUS SuperSpeedN Wireless Router	**Note : Tx-11N(40MHz)**



		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1		0.186	-0.030	36.663	36.633	-18.338	54.971	AVERAGE
2		0.278	-0.010	32.506	32.495	-19.848	52.343	AVERAGE
3	*	1.282	0.110	28.396	28.506	-17.494	46.000	AVERAGE
4		4.142	0.250	14.453	14.703	-31.297	46.000	AVERAGE
5		9.370	0.500	15.794	16.294	-33.706	50.000	AVERAGE
6		17.858	0.890	18.860	19.750	-30.250	50.000	AVERAGE

Note:

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

3. Peak Power Output

3.1. Test Equipment

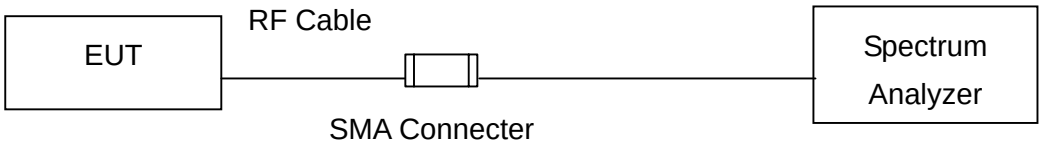
The following test equipments are used during the test:

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

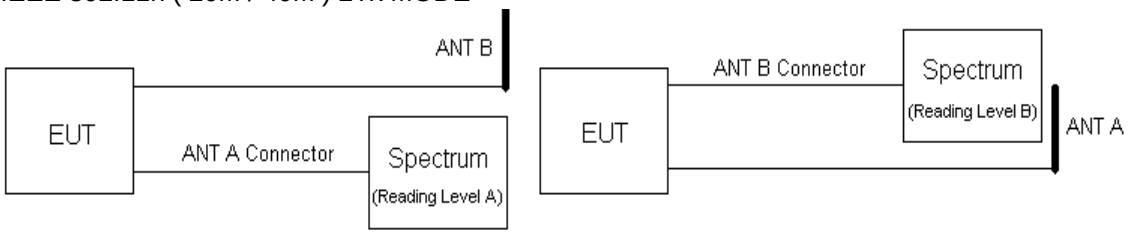
Note: 1. All equipments are calibrated with traceable calibrations. Each calibration is traceable to the national or international standards.

3.2. Test Setup

IEEE 802.11 b / g MODE



IEEE 802.11n (20M / 40M) 2Tx MODE



3.3. Test procedures

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

3.4. Limits

The maximum peak power shall be less 1 Watt.

3.5. Uncertainty

The measurement uncertainty is defined as ± 1.27 dB.

3.6. Test Result

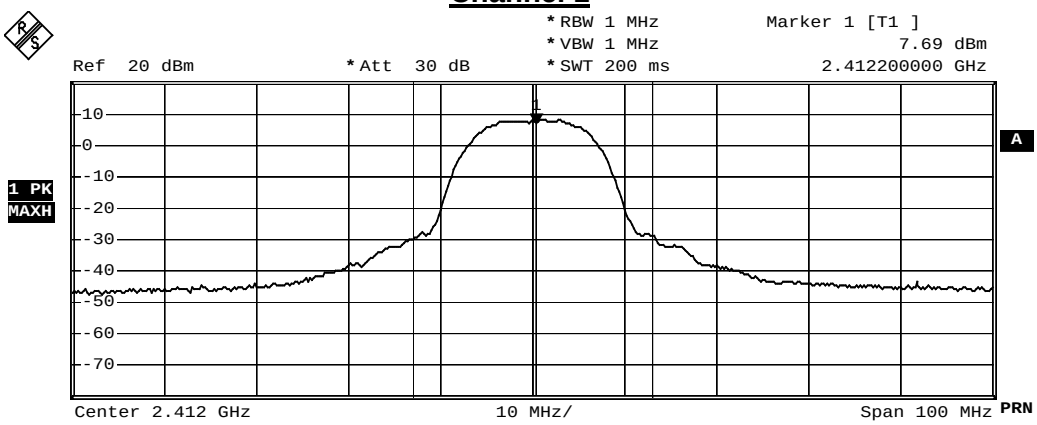
Product	ASUS SuperSpeedN Wireless Router		
Test Item	Peak Power Output		
Test Mode	Transmit		
Date of Test	2008/08/06	Test Site	No.1 OATS

IEEE 802.11b				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
1	2412	17.52	1Watt= 30 dBm	Pass
6	2437	17.87	1Watt= 30 dBm	Pass
11	2462	17.27	1Watt= 30 dBm	Pass

Peak Power Output Value (dBm)						
Channel No.	Frequency (MHz)	Data Rate				Required Limit
		1 Mbps	2Mbps	5.5Mbps	11Mbps	
1	2412.00	--	--	--	17.52	1Watt= 30 dBm
6	2437.00	17.80	17.83	17.85	17.87	1Watt= 30 dBm
11	2462.00	--	--	--	17.27	1Watt= 30 dBm

Note: Measure Level =Reading value + cable loss

Channel 1

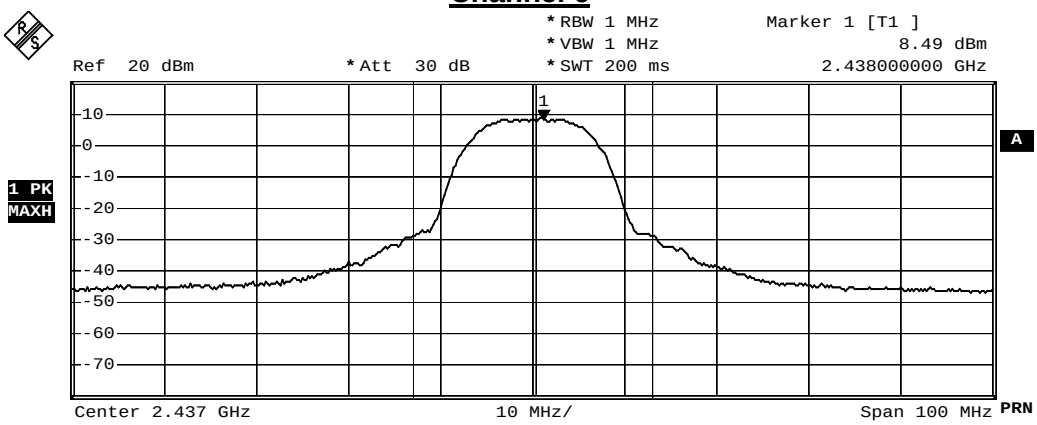


Tx Channel

Bandwidth 26 MHz Power 17.52 dBm

Date: 6.AUG.2008 17:52:21

Channel 6

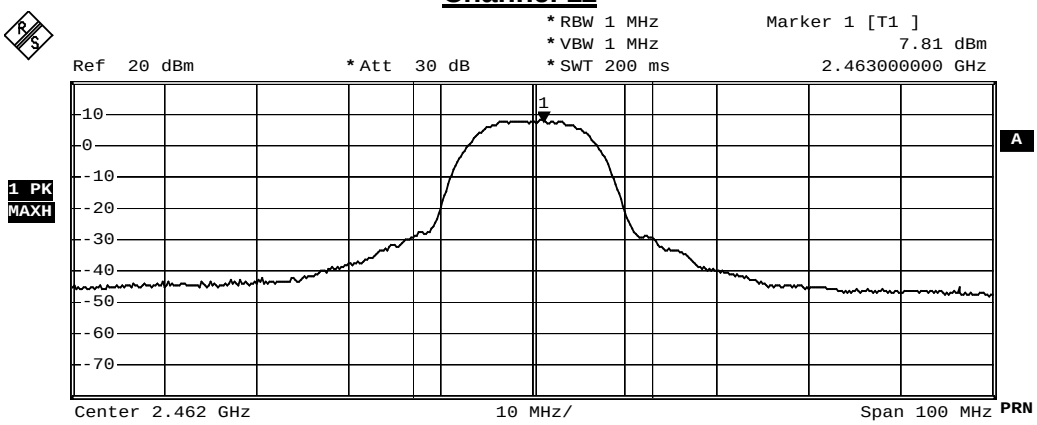


Tx Channel

Bandwidth 26 MHz Power 17.87 dBm

Date: 6.AUG.2008 17:33:17

Channel 11



Tx Channel

Bandwidth 26 MHz Power 17.27 dBm

Date: 6.AUG.2008 17:30:57

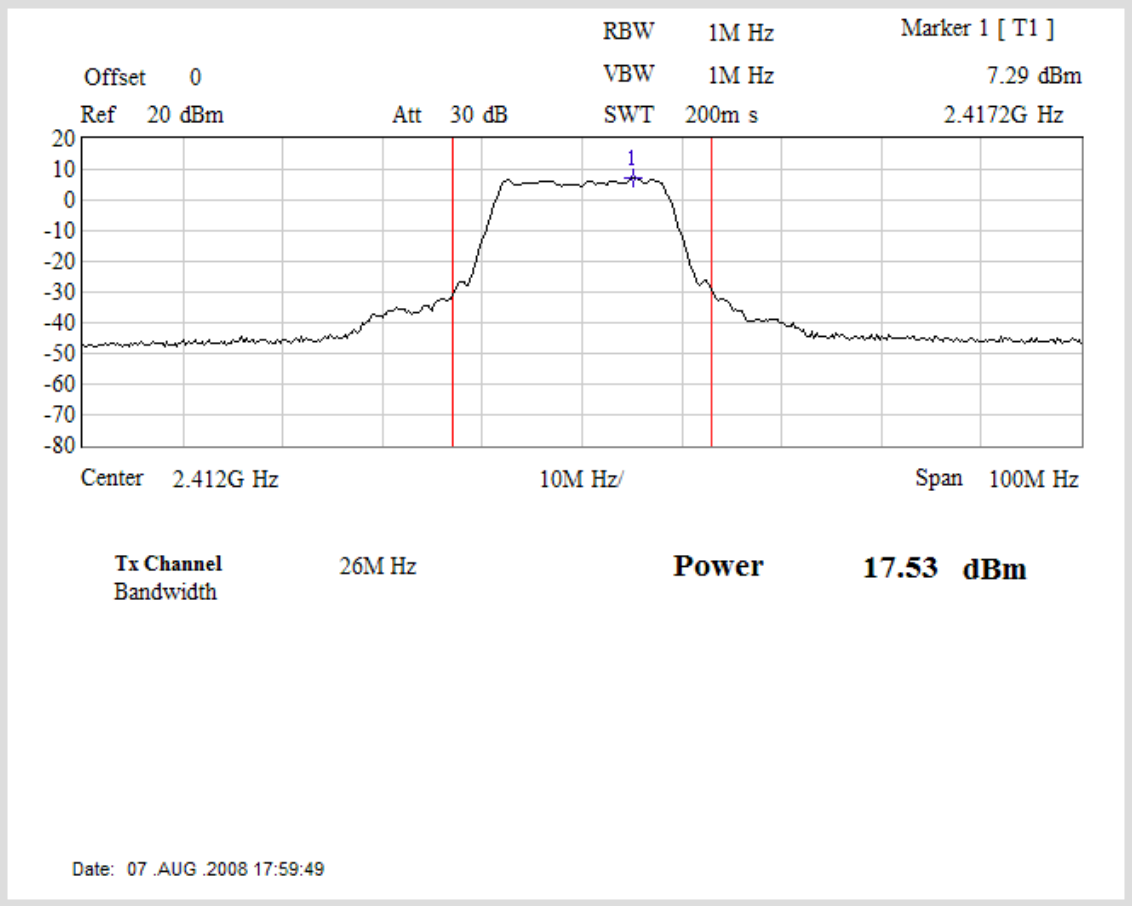
Product	ASUS SuperSpeedN Wireless Router		
Test Item	Peak Power Output		
Test Mode	Transmit		
Date of Test	2008/08/07	Test Site	No.1 OATS

IEEE 802.11g				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
1	2412	17.53	1Watt= 30 dBm	Pass
6	2437	17.73	1Watt= 30 dBm	Pass
11	2462	17.08	1Watt= 30 dBm	Pass

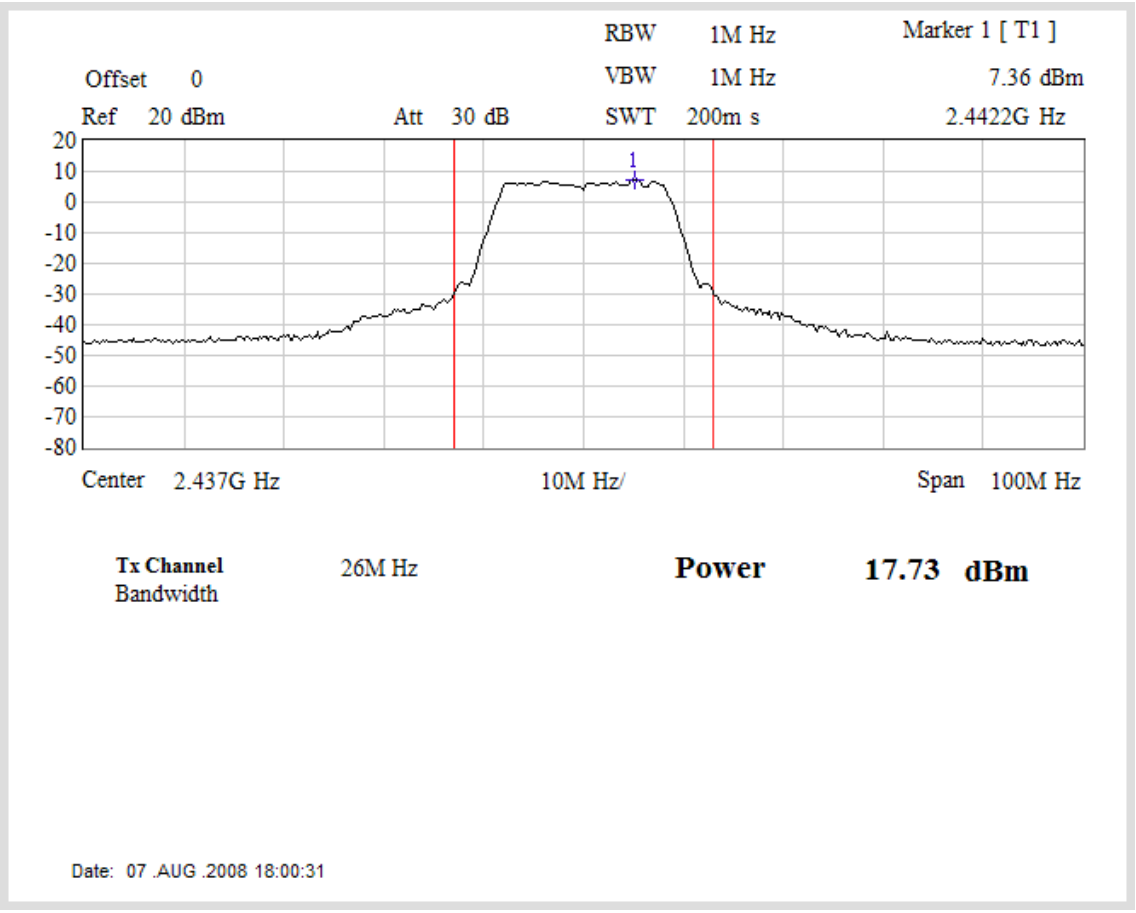
Peak Power Output Value(dBm)										
Channel No.	Frequency (MHz)	Data Rate (Mbps)								Required Limit
		6 Mbps	9 Mbps	12 Mbps	18 Mbps	24 Mbps	36 Mbps	48 Mbps	54 Mbps	
1	2412.00	--	--	--	--	--	--	--	17.53	1Watt= 30 dBm
6	2437.00	17.57	17.60	17.62	17.64	17.68	17.70	17.72	17.73	1Watt= 30 dBm
11	2462.00	--	--	--	--	--	--	--	17.08	1Watt= 30 dBm

Note: Measure Level =Reading value + cable loss

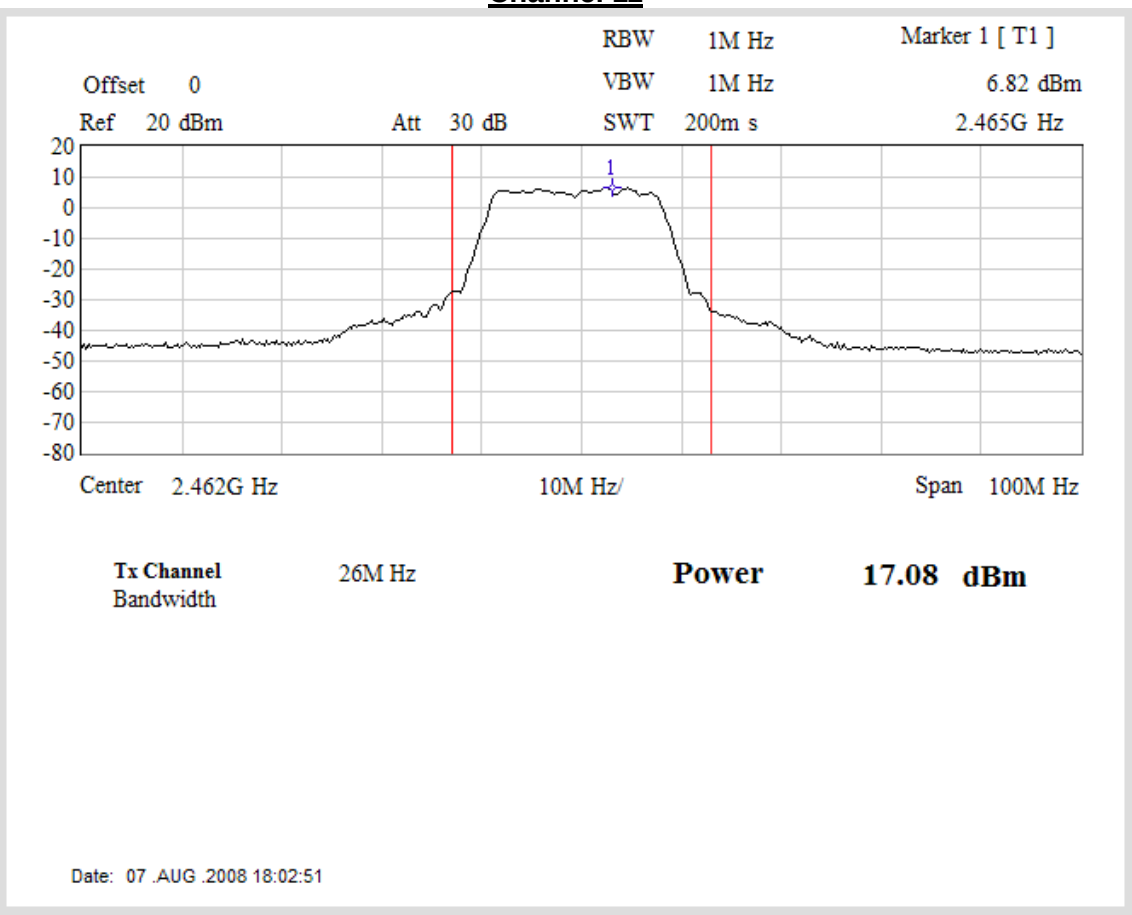
Channel 1


RBW 1M Hz
Marker 1 [T1]
Offset 0
VBW 1M Hz
7.29 dBm
Ref 20 dBm
Att 30 dB
SWT 200m s
2.4172G Hz
20
10
0
-10
-20
-30
-40
-50
-60
-70
-80
1
Center 2.412G Hz
10M Hz/
Span 100M Hz
Tx Channel
Bandwidth
26M Hz
Power
17.53 dBm
Date: 07 .AUG .2008 17:59:49

Channel 6


RBW 1M Hz
Marker 1 [T1]
Offset 0
VBW 1M Hz
7.36 dBm
Ref 20 dBm
Att 30 dB
SWT 200m s
2.4422G Hz
20
10
0
-10
-20
-30
-40
-50
-60
-70
-80
1
Center 2.437G Hz
10M Hz/
Span 100M Hz
Tx Channel
Bandwidth
26M Hz
Power
17.73 dBm
Date: 07 .AUG .2008 18:00:31

Channel 11


RBW 1M Hz
Marker 1 [T1]
Offset 0
VBW 1M Hz
6.82 dBm
Ref 20 dBm
Att 30 dB
SWT 200m s
2.465G Hz
20
10
0
-10
-20
-30
-40
-50
-60
-70
-80
1
Center 2.462G Hz
10M Hz/
Span 100M Hz
Tx Channel
Bandwidth
26M Hz
Power
17.08 dBm
Date: 07 .AUG .2008 18:02:51

Product	ASUS SuperSpeedN Wireless Router		
Test Item	Peak Power Output		
Test Mode	Transmit		
Date of Test	2008/08/07	Test Site	No.1 OATS

IEEE 802.11n 20MHz_2Tx

The worst emission of data rate is 144.44Mbps.

Peak Power Output (dBm)										
MCS Index		0	1	2	3	4	5	6	7	Required Limit
Channel No	Frequency (MHz)	Data Rate								
		7.2	14.4	21.7	28.9	43.3	57.8	65	72.2	
1	2412	--	--	--	--	--	--	--	--	30dBm
6	2437	18.40	18.42	18.45	18.47	18.49	18.51	18.53	18.55	30dBm
11	2462	--	--	--	--	--	--	--	--	30dBm

Peak Power Output (dBm)										
MCS Index		8	9	10	11	12	13	14	15	Required Limit
Channel No	Frequency (MHz)	Data Rate								
		14.44	28.89	43.33	57.78	86.67	115.56	130	144.44	
1	2412	--	--	--	--	--	--	--	18.57	30dBm
6	2437	18.57	18.59	18.61	18.63	18.66	18.68	18.71	18.73	30dBm
11	2462	--	--	--	--	--	--	--	19.47	30dBm

Product	ASUS SuperSpeedN Wireless Router		
Test Item	Peak Power Output		
Test Mode	Transmit		
Date of Test	2008/08/07	Test Site	No.1 OATS

IEEE 802.11n MCS15 20MHz_2Tx ; ANT A					
Channel No.	Frequency (MHz)	Measure Level		Limit (dBm)	Result
		(dBm)	(mW)		
1	2412	15.41	34.75	1Watt= 30 dBm	Pass
6	2437	15.78	37.84	1Watt= 30 dBm	Pass
11	2462	16.52	44.87	1Watt= 30 dBm	Pass

IEEE 802.11n MCS15 20MHz_2Tx ; ANT B					
Channel No.	Frequency (MHz)	Measure Level		Limit (dBm)	Result
		(dBm)	(mW)		
1	2412	15.70	37.15	1Watt= 30 dBm	Pass
6	2437	15.66	36.81	1Watt= 30 dBm	Pass
11	2462	16.40	43.65	1Watt= 30 dBm	Pass

IEEE802.11n MCS15 20MHz_2Tx ; ANT A + ANT B ; Note 1 & Note 2					
Channel No.	Frequency (MHz)	Measure Level		Limit (dBm)	Result
		(dBm)	(mW)		
1	2412	18.57	71.91	1Watt= 30 dBm	Pass
6	2437	18.73	74.66	1Watt= 30 dBm	Pass
11	2462	19.47	88.53	1Watt= 30 dBm	Pass

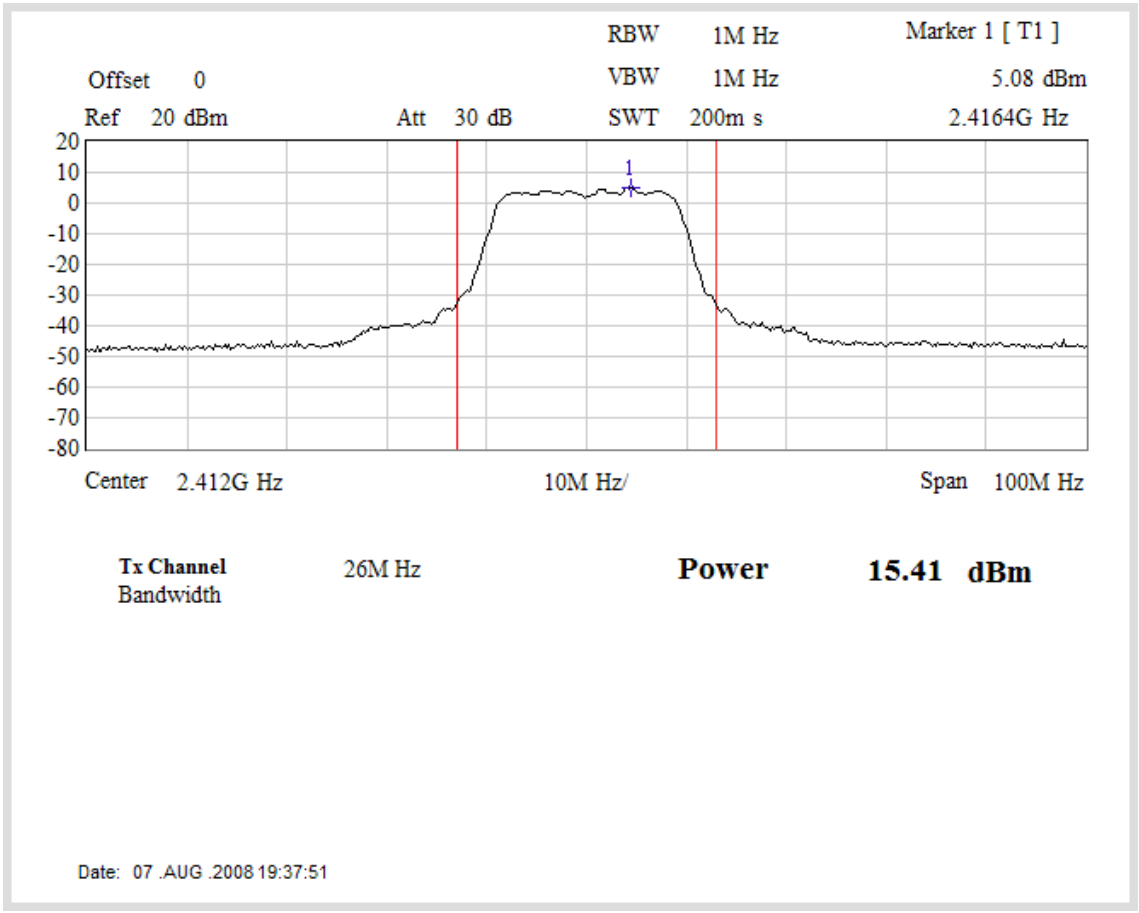
Note:

1.Measure Level (ANT A + ANT B)_mW = Measure Level ANT A _mW + Measure Level ANT B_mW

2.Measure Level (ANT A + ANT B)_dBm=10Log [Measure Level (ANT A + ANT B)_mW]

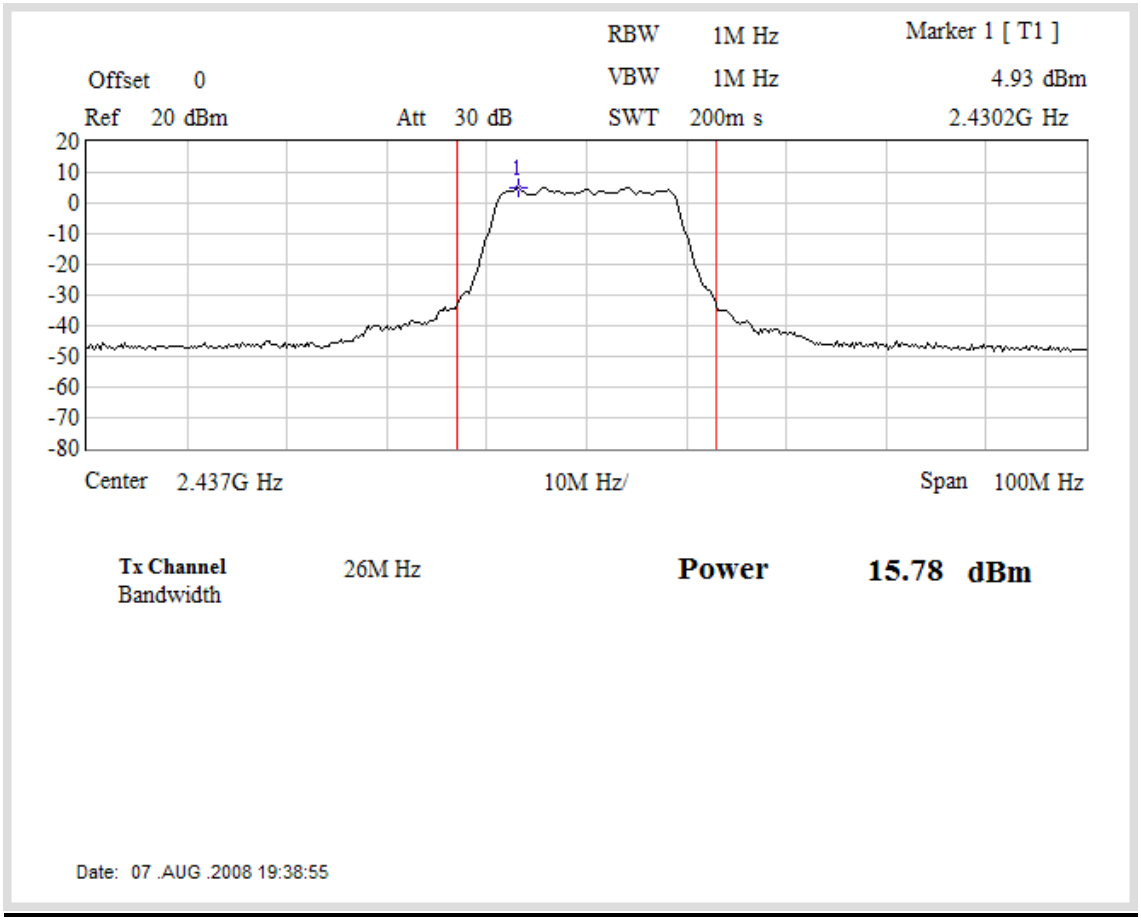
IEEE 802.11n MCS15 20MHz_2Tx ; ANT A

Channel 1



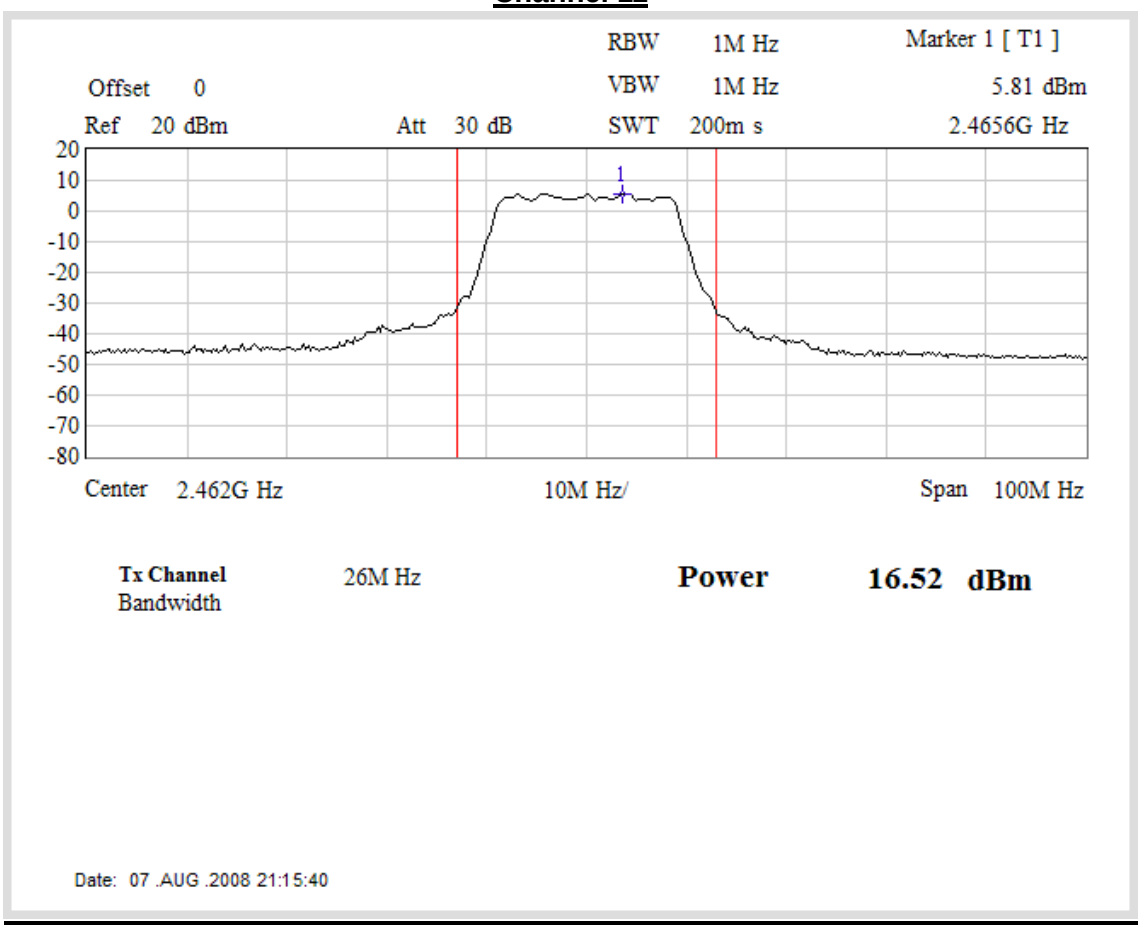
IEEE 802.11n MCS15 20MHz_2Tx ; ANT A

Channel 6



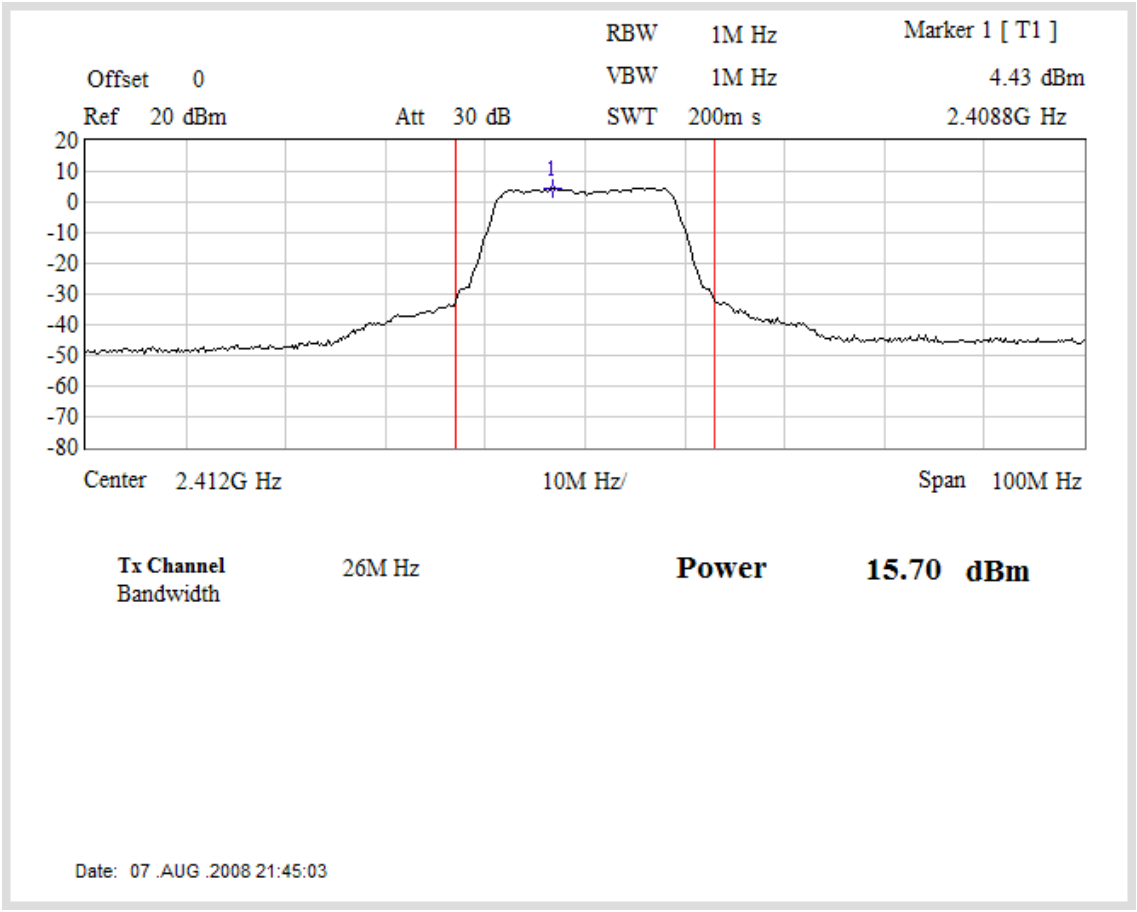
IEEE 802.11n MCS15 20MHz_2Tx ; ANT A

Channel 11



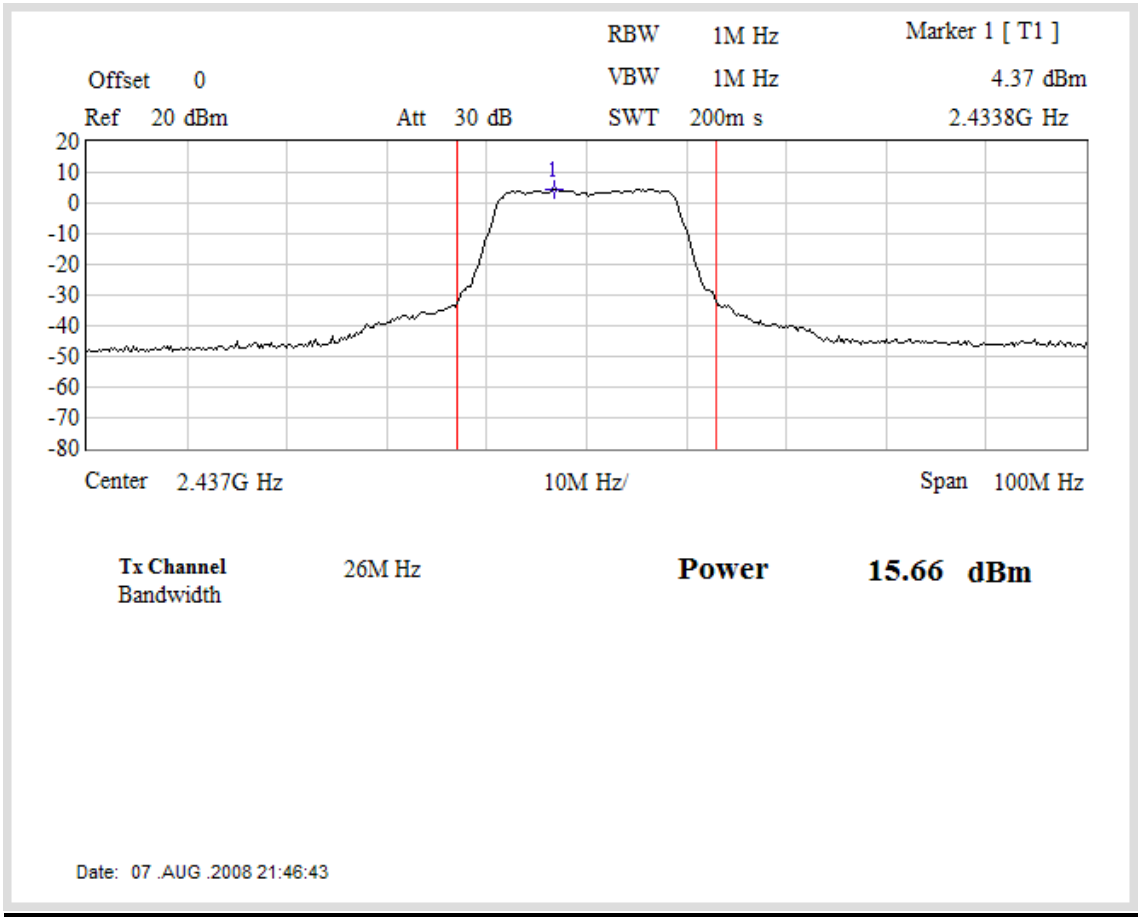
IEEE 802.11n MCS15 20MHz_2Tx ; ANT B

Channel 1



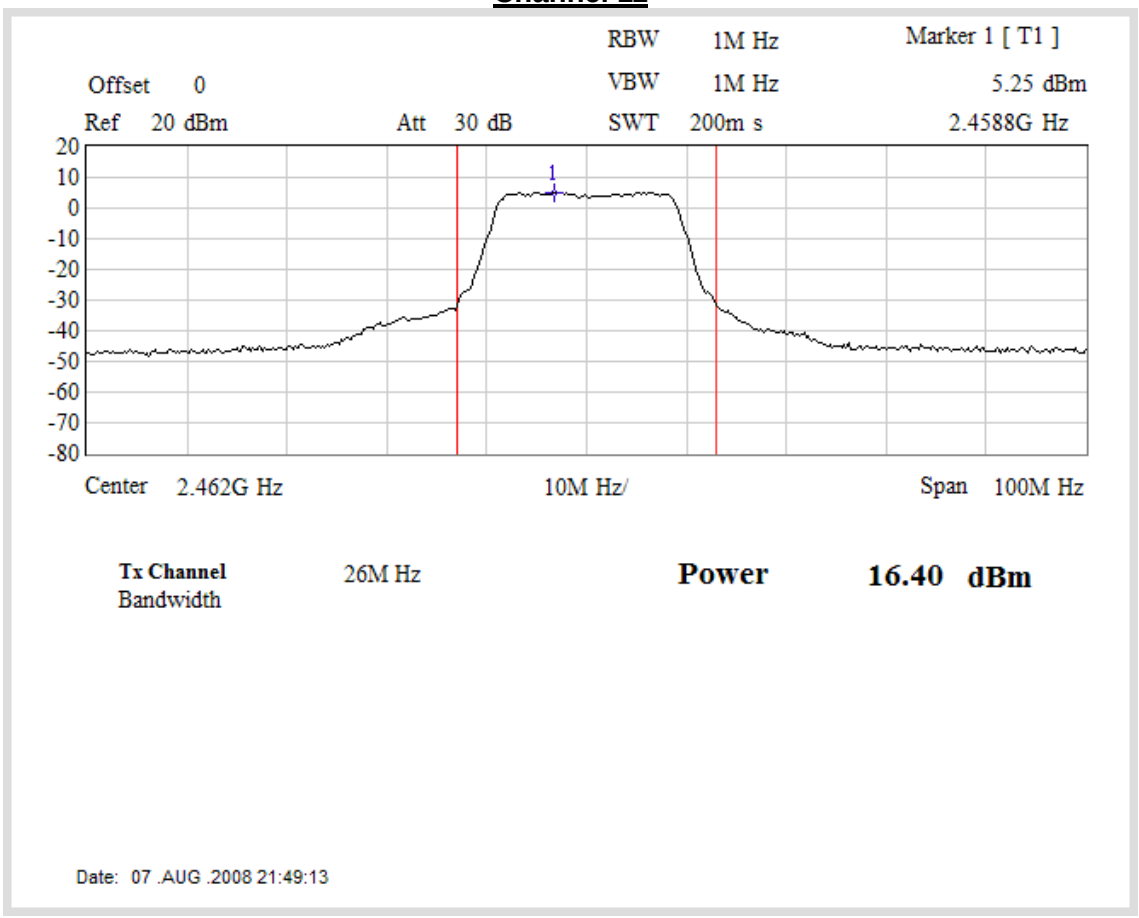
IEEE 802.11n MCS15 20MHz_2Tx ; ANT B

Channel 6



IEEE 802.11n MCS15 20MHz_2Tx ; ANT B

Channel 11



Product	ASUS SuperSpeedN Wireless Router		
Test Item	Peak Power Output		
Test Mode	Transmit		
Date of Test	2008/08/07	Test Site	No.1 OATS

IEEE802.11n 40MHz_2Tx

The worst emission of data rate is 300Mbps

Peak Power Output (dBm)										
MCS Index		0	1	2	3	4	5	6	7	Required Limit
Channel No	Frequency (MHz)	Data Rate								
		15	30	45	60	90	120	135	150	
1	2412	--	--	--	--	--	--	--	--	30dBm
6	2437	19.03	19.05	19.07	19.09	19.11	19.13	19.15	19.17	30dBm
11	2462	--	--	--	--	--	--	--	--	30dBm

Peak Power Output (dBm)										
MCS Index		8	9	10	11	12	13	14	15	Required Limit
Channel No	Frequency (MHz)	Data Rate								
		30	60	90	120	180	240	270	300	
1	2412	--	--	--	--	--	--	--	18.85	30dBm
6	2437	19.18	19.20	19.22	19.24	19.26	19.28	19.30	19.32	30dBm
11	2462	--	--	--	--	--	--	--	19.30	30dBm

Product	ASUS SuperSpeedN Wireless Router		
Test Item	Peak Power Output		
Test Mode	Transmit		
Date of Test	2008/08/07	Test Site	No.1 OATS

IEEE802.11n ;MCS15 40MHz_2Tx ; ANT A					
Channel No.	Frequency (MHz)	Measure Level		Limit (dBm)	Result
		(dBm)	(mW)		
3	2422	15.14	32.66	1Watt= 30 dBm	Pass
6	2437	16.08	40.55	1Watt= 30 dBm	Pass
9	2452	16.21	41.78	1Watt= 30 dBm	Pass

IEEE802.11n ;MCS15 40MHz_2Tx ; ANT B					
Channel No.	Frequency (MHz)	Measure Level		Limit (dBm)	Result
		(dBm)	(mW)		
3	2422	16.45	44.16	1Watt= 30 dBm	Pass
6	2437	16.52	44.87	1Watt= 30 dBm	Pass
9	2452	16.36	43.25	1Watt= 30 dBm	Pass

IEEE802.11n ;MCS15 40MHz_2Tx ; ANT A+ ANT B ; Note 1 & Note 2					
Channel No.	Frequency (MHz)	Measure Level		Limit (dBm)	Result
		(dBm)	(mW)		
3	2422	18.85	76.82	1Watt= 30 dBm	Pass
6	2437	19.32	85.43	1Watt= 30 dBm	Pass
9	2452	19.30	85.03	1Watt= 30 dBm	Pass

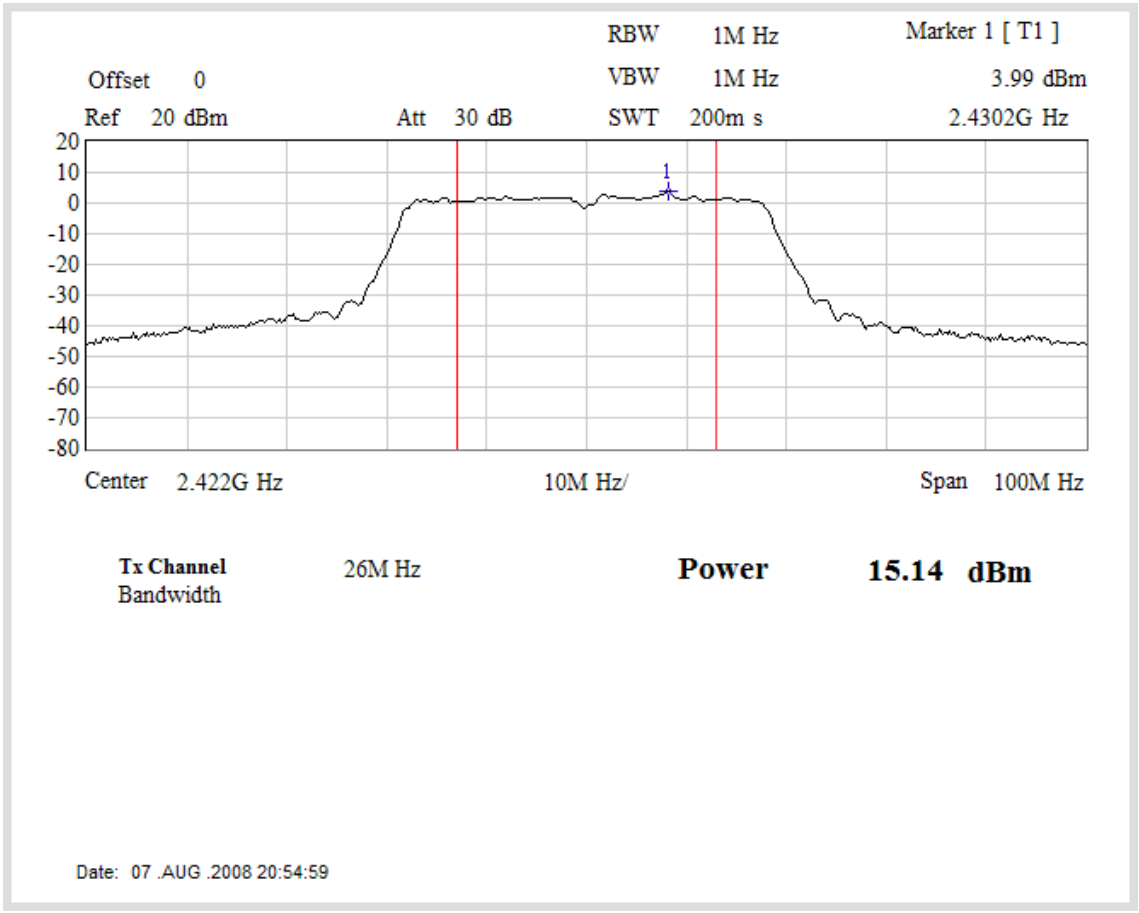
Note:

1.Measure Level (ANT A + ANT B)_mW = Measure Level ANT A _mW + Measure Level ANT B_mW

2.Measure Level (ANT A + ANT B)_dBm=10Log [Measure Level (ANT A + ANT B)_mW]

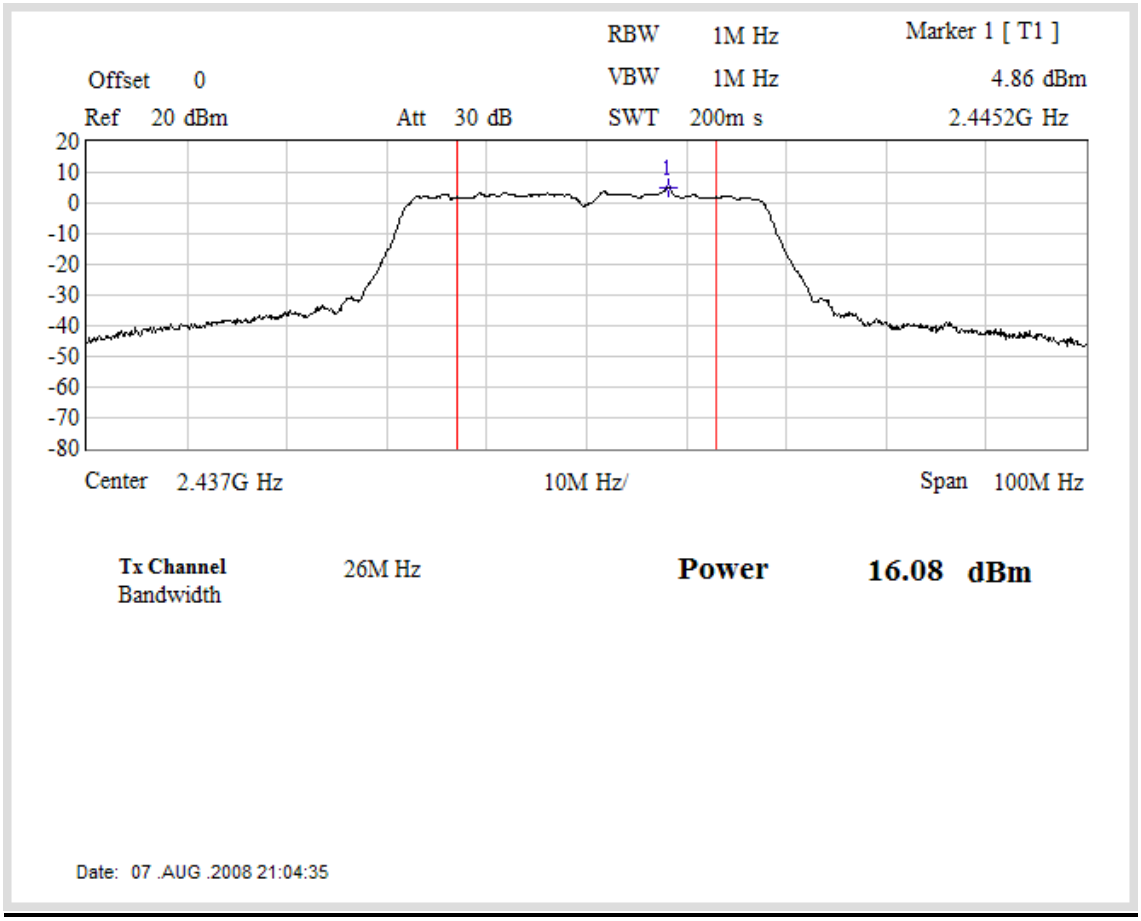
IEEE802.11n ;MCS15 40MHz_2Tx ; ANT A

Channel 3



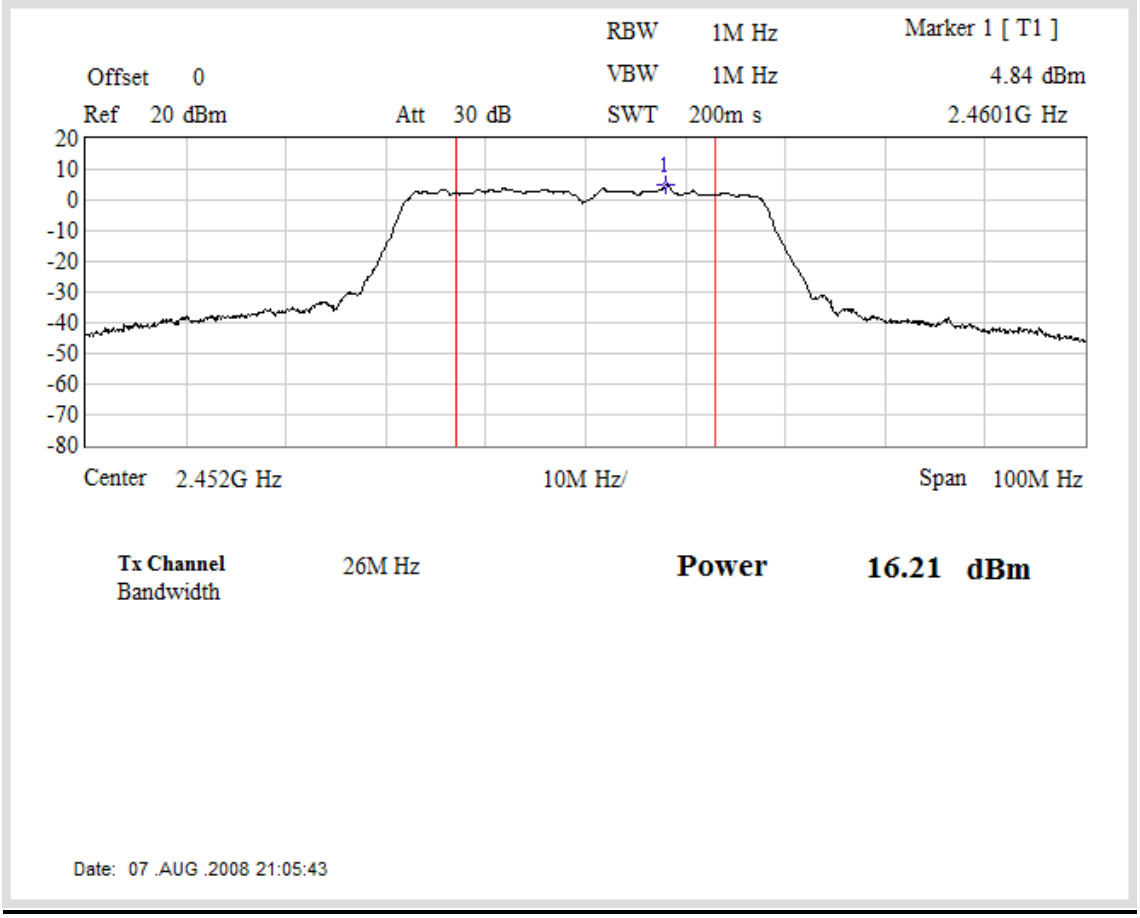
IEEE802.11n ;MCS15 40MHz_2Tx ; ANT A

Channel 6



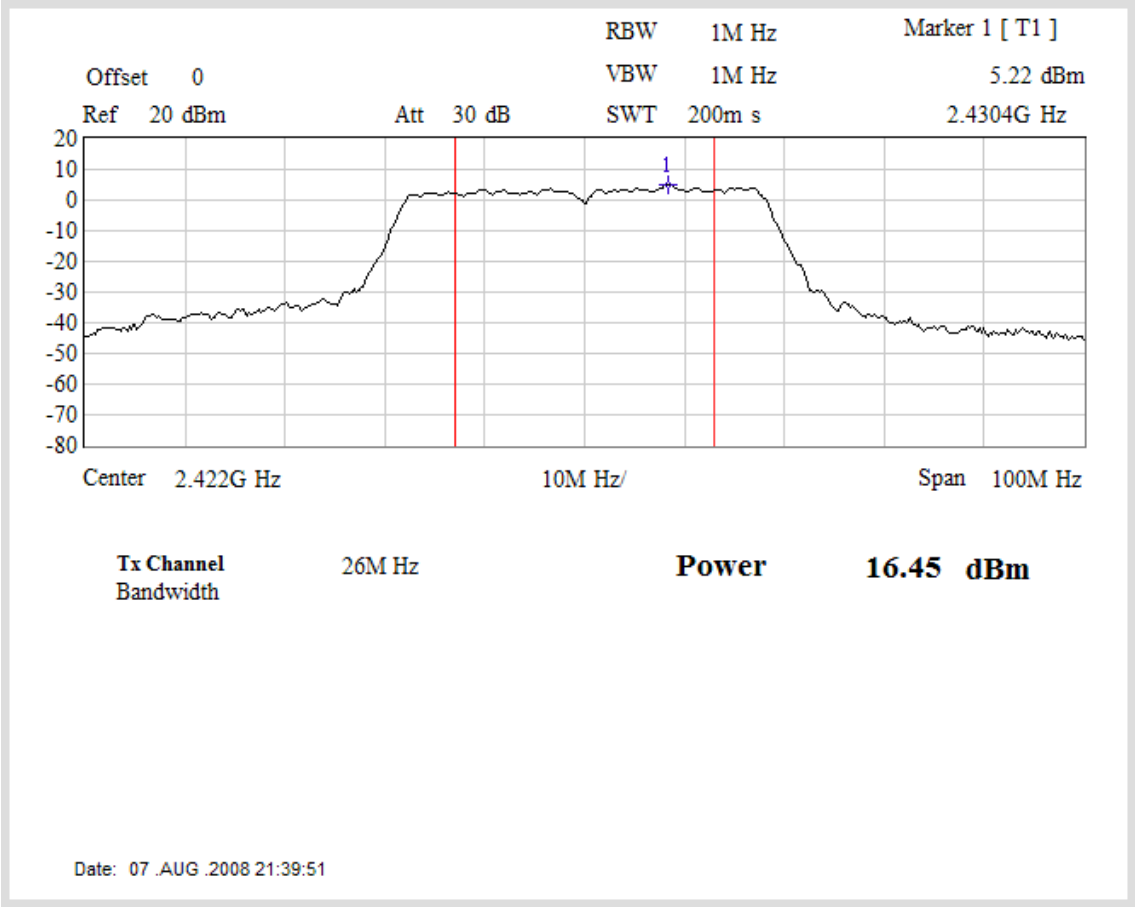
IEEE802.11n ;MCS15 40MHz_2Tx ; ANT A

Channel 9



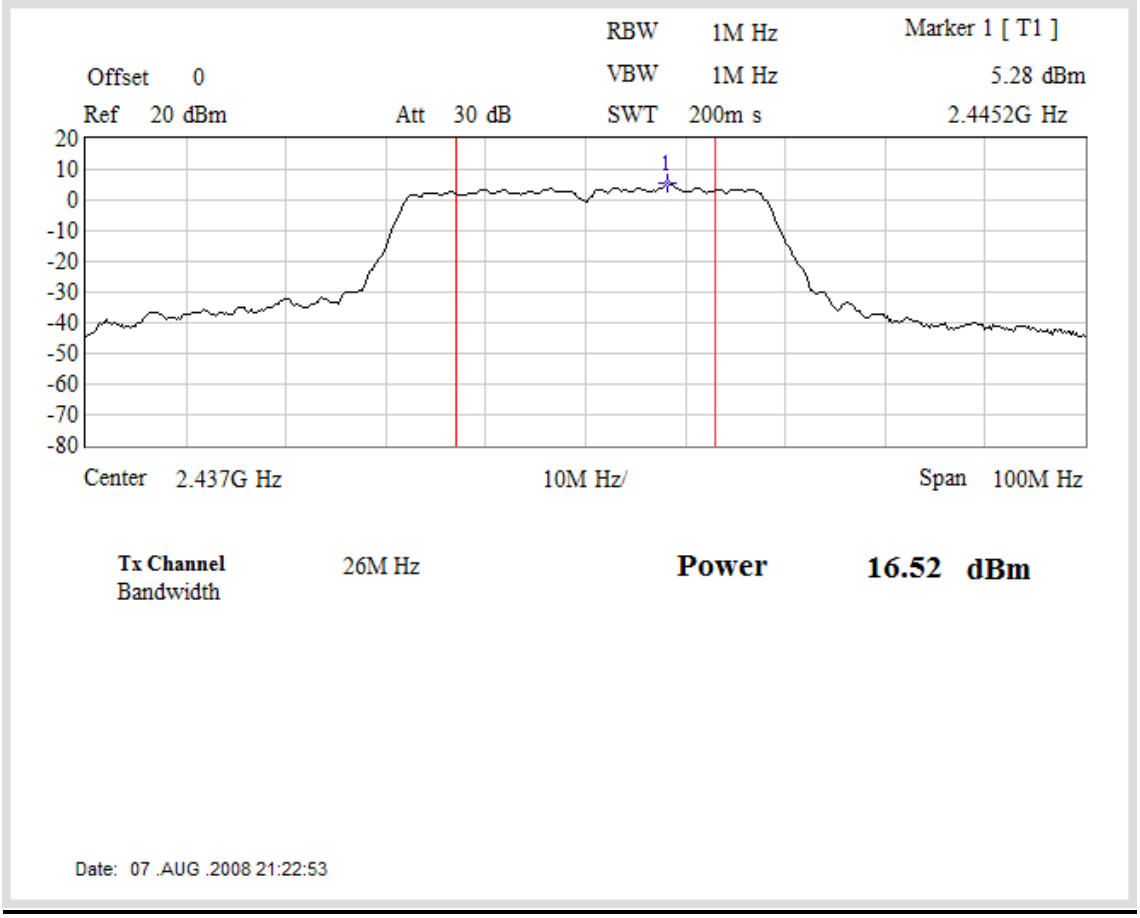
IEEE802.11n ;MCS15 40MHz_2Tx ; ANT B

Channel 3



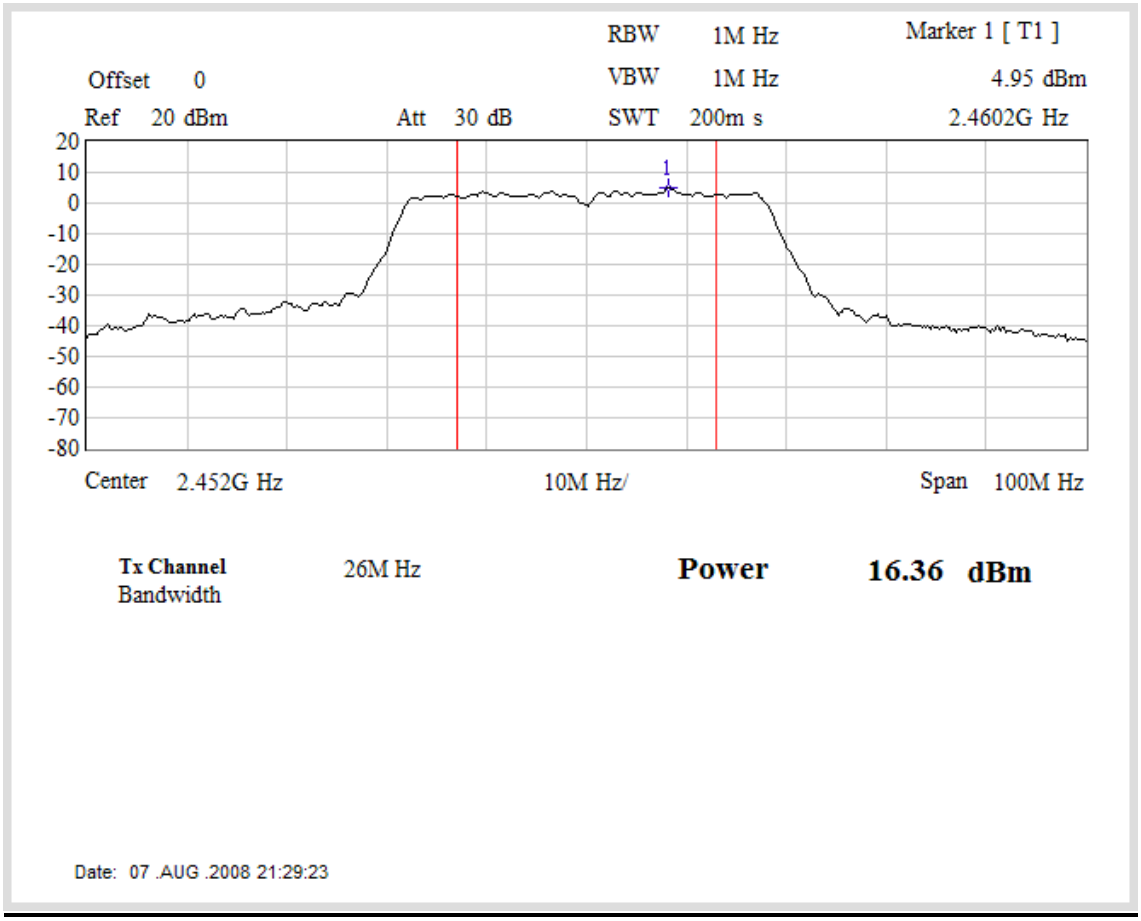
IEEE802.11n ;MCS15 40MHz_2Tx ; ANT B

Channel 6



IEEE802.11n ;MCS15 40MHz_2Tx ; ANT B

Channel 9



4. Radiated Emission

4.1. Test Equipment

The following test equipments are used during the test:

Radiated Emission / Site3

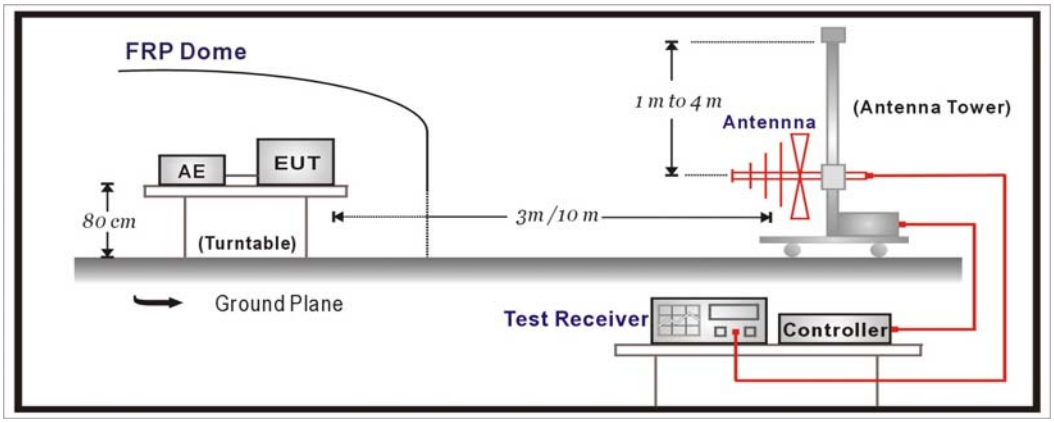
Instrument	Manufacturer	Type No.	Serial No	Cal. Date
Bilog Antenna	Schaffner Chase	CBL6112B	2673	Sep., 2007
Horn Antenna	Electro Metrics	EM-6961	103325	Mar., 2008
Pre-Amplifier	HP	8449B	3008A01123	Nov., 2007
Pre-Amplifier	Quietek	AP-025C	003	N/A
Spectrum Analyzer	R & S	FSP40	100005	Aug., 2008
Spectrum Analyzer	Advantest	R3162	91700283	Nov., 2007
Test Receiver	R & S	ESCS 30	836858/022	Aug., 2008

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

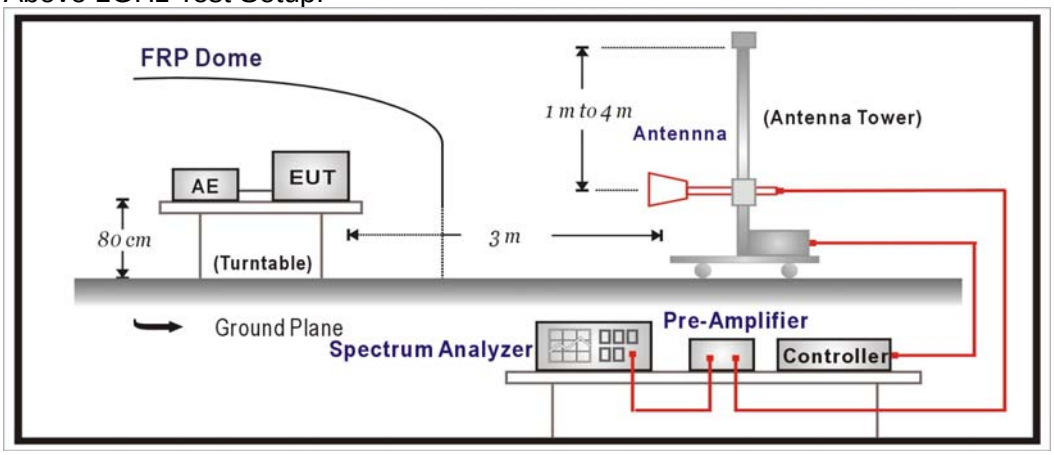
2. Last Cal showing “N/A” means it is used to Pre-test, not for final test.

4.2. Test Setup

Under 1GHz Test Setup:



Above 1GHz Test Setup:



4.3. Limits

Emissions radiated outside of the specified frequency bands, except for harmonics, shall be attenuated by at least 20dB below the level of the fundamental or to the general radiated emission limits in paragraph 15.209, whichever is the lesser attenuation.

FCC Part 15 Subpart C Paragraph 15.209 Limits		
Frequency MHz	dBuV/m	dBuV/m
30-88	100	40
88-216	150	43.5
216-960	200	46
Above 960	500	54

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

4.4. Test Procedure

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

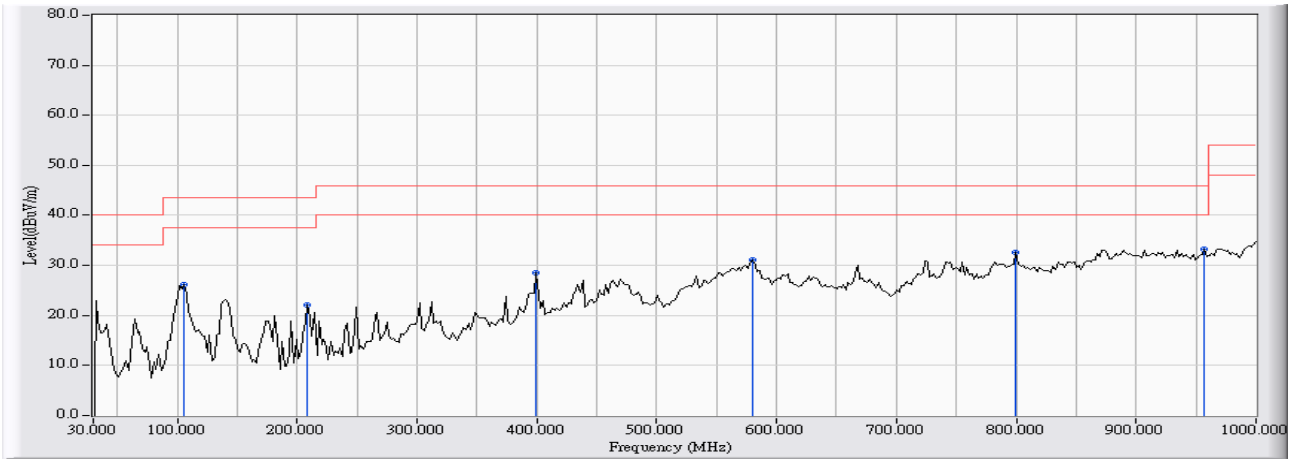
4.5. Uncertainty

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

4.6. Test Result

30MHz-1GHz Spurious

Site : QuieTek Open SITE 3	**Time : 2008/08/11 - 10:58**
Limit : NCC_3.10.1_03M_QP	**Margin : 6**
Probe : CB3_ NCC_30-1G(2007) - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : ASUS SuperSpeedN Wireless Router	**Note : Tx-B**

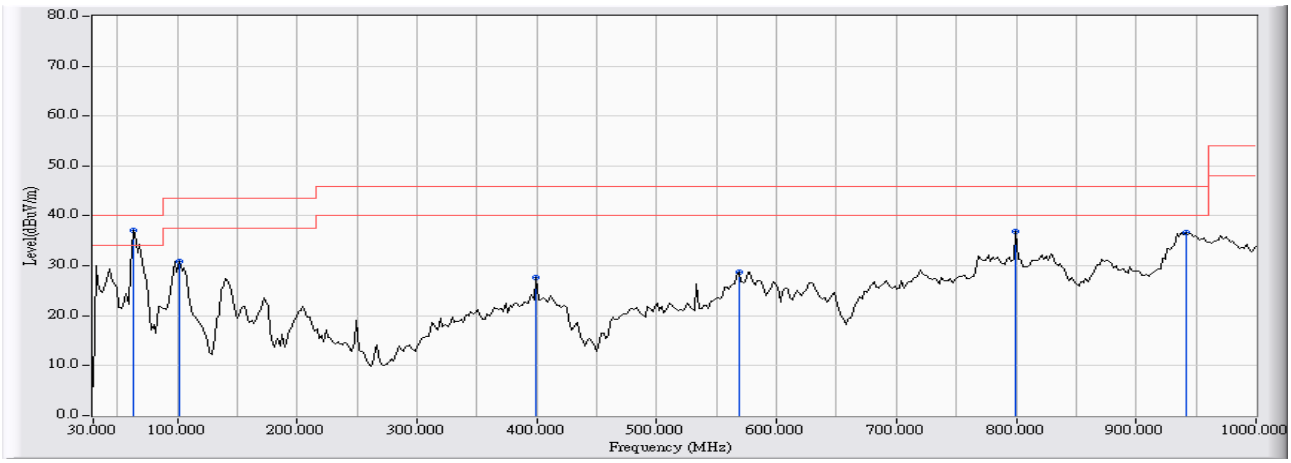


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		105.812	-6.398	32.567	26.169	-17.331	43.500	QUASIPEAK
2		208.838	-10.226	32.272	22.045	-21.455	43.500	QUASIPEAK
3		399.339	5.189	23.438	28.627	-17.373	46.000	QUASIPEAK
4		580.120	10.129	21.001	31.130	-14.870	46.000	QUASIPEAK
5		799.780	9.412	23.175	32.587	-13.413	46.000	QUASIPEAK
6	*	957.234	10.728	22.612	33.340	-12.660	46.000	QUASIPEAK

Note:

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

Site : QuieTek Open SITE 3	**Time : 2008/08/11 - 11:03**
Limit : NCC_3.10.1_03M_QP	**Margin : 6**
Probe : CB3_ NCC_30-1G(2007) - VERTICAL	**Power : AC 120V/60Hz**
EUT : ASUS SuperSpeedN Wireless Router	**Note : Tx-B**

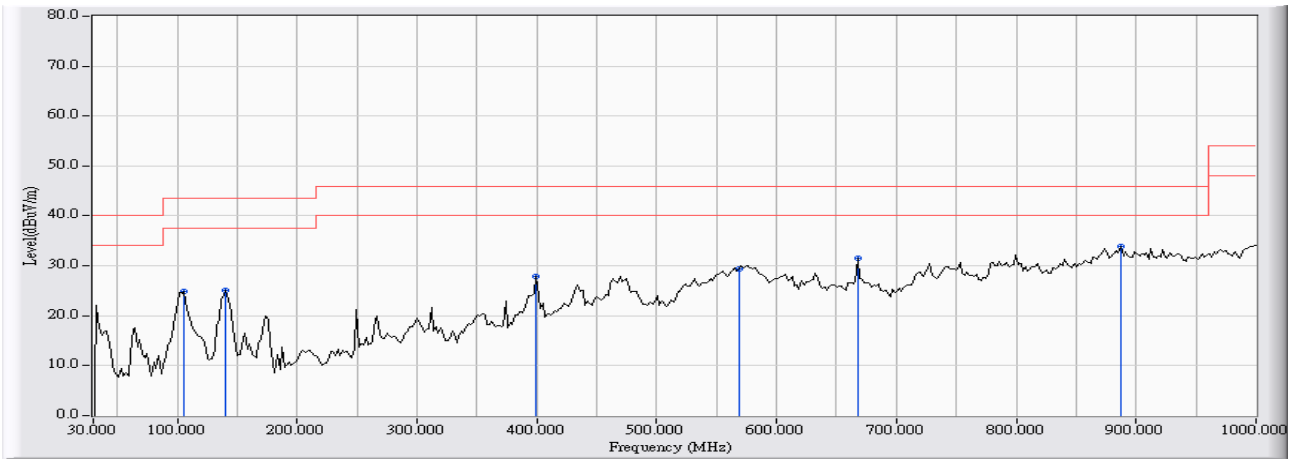


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	63.046	-12.882	49.891	37.009	-2.991	40.000	QUASIPEAK
2		101.924	-6.000	36.938	30.938	-12.562	43.500	QUASIPEAK
3		399.339	5.189	22.521	27.710	-18.290	46.000	QUASIPEAK
4		568.457	9.199	19.622	28.821	-17.179	46.000	QUASIPEAK
5		799.780	9.412	27.469	36.881	-9.119	46.000	QUASIPEAK
6		941.683	10.542	26.219	36.761	-9.239	46.000	QUASIPEAK

Note:

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

Site : QuieTek Open SITE 3	**Time : 2008/08/11 - 11:10**
Limit : NCC_3.10.1_03M_QP	**Margin : 6**
Probe : CB3_ NCC_30-1G(2007) - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : ASUS SuperSpeedN Wireless Router	**Note : Tx-G**

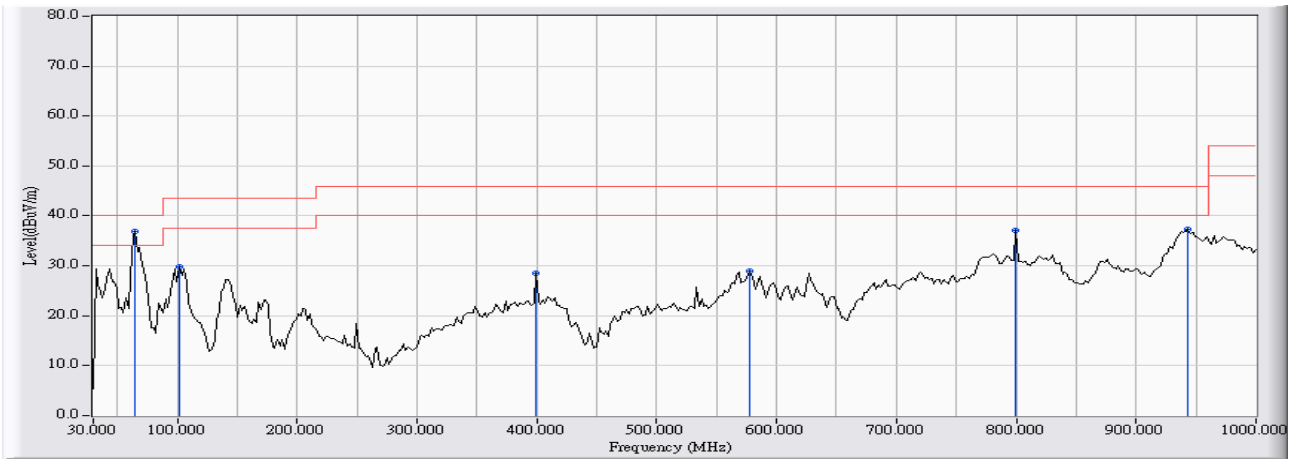


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		105.812	-6.398	31.198	24.800	-18.700	43.500	QUASIPEAK
2		140.802	-11.800	36.824	25.024	-18.476	43.500	QUASIPEAK
3		399.339	5.189	22.655	27.844	-18.156	46.000	QUASIPEAK
4		568.457	9.199	20.183	29.382	-16.618	46.000	QUASIPEAK
5		667.595	6.963	24.543	31.506	-14.494	46.000	QUASIPEAK
6	*	887.255	11.481	22.345	33.825	-12.175	46.000	QUASIPEAK

Note:

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

Site : QuieTek Open SITE 3	**Time : 2008/08/11 - 11:13**
Limit : NCC_3.10.1_03M_QP	**Margin : 6**
Probe : CB3_ NCC_30-1G(2007) - VERTICAL	**Power : AC 120V/60Hz**
EUT : ASUS SuperSpeedN Wireless Router	**Note : Tx-G**

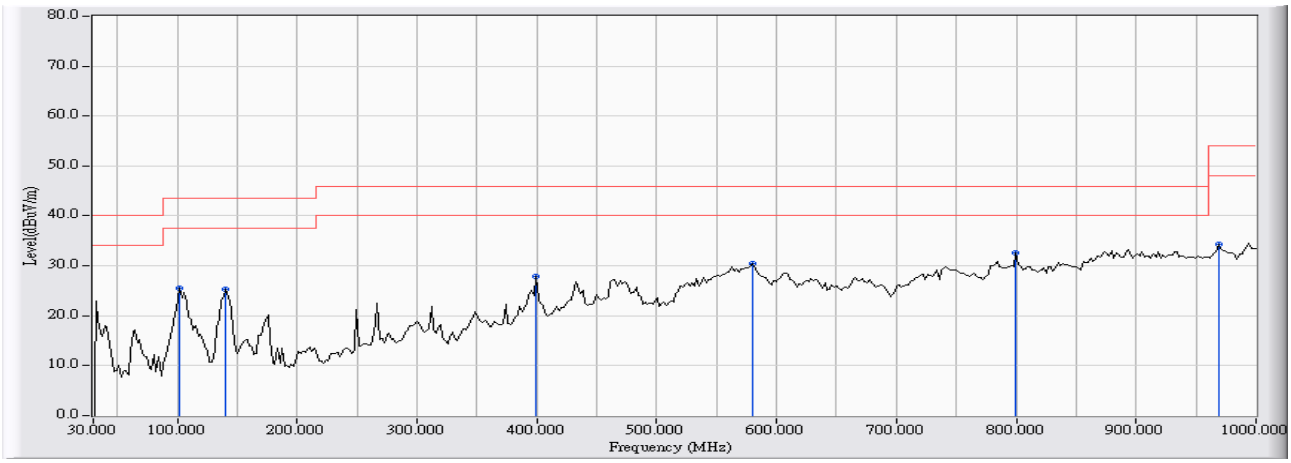


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	64.990	-12.676	49.667	36.991	-3.009	40.000	QUASIPEAK
2		101.924	-6.000	35.892	29.892	-13.608	43.500	QUASIPEAK
3		399.339	5.189	23.298	28.487	-17.513	46.000	QUASIPEAK
4		578.176	10.042	18.985	29.027	-16.973	46.000	QUASIPEAK
5		799.780	9.412	27.719	37.131	-8.869	46.000	QUASIPEAK
6		943.627	10.492	26.807	37.299	-8.701	46.000	QUASIPEAK

Note:

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

Site : QuieTek Open SITE 3	**Time : 2008/08/11 - 11:26**
Limit : NCC_3.10.1_03M_QP	**Margin : 6**
Probe : CB3_ NCC_30-1G(2007) - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : ASUS SuperSpeedN Wireless Router	**Note : Tx-N(20M)**

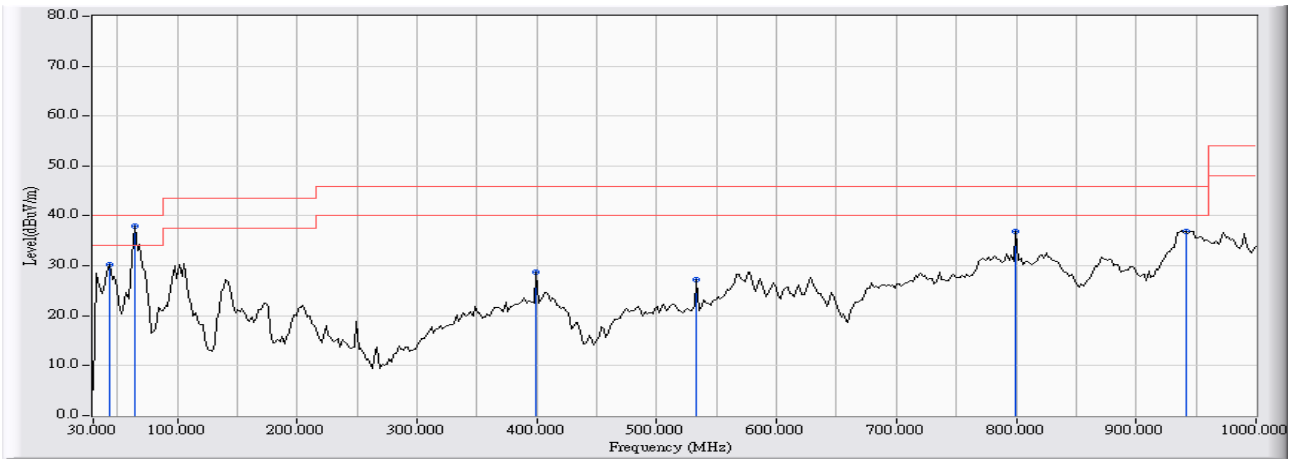


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		101.924	-6.000	31.609	25.609	-17.891	43.500	QUASIPEAK
2		140.802	-11.800	37.202	25.402	-18.098	43.500	QUASIPEAK
3		399.339	5.189	22.610	27.799	-18.201	46.000	QUASIPEAK
4		580.120	10.129	20.228	30.357	-15.643	46.000	QUASIPEAK
5	*	799.780	9.412	23.208	32.620	-13.380	46.000	QUASIPEAK
6		968.898	12.037	22.274	34.311	-19.689	54.000	QUASIPEAK

Note:

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

Site : QuieTek Open SITE 3	**Time : 2008/08/11 - 11:29**
Limit : NCC_3.10.1_03M_QP	**Margin : 6**
Probe : CB3_ NCC_30-1G(2007) - VERTICAL	**Power : AC 120V/60Hz**
EUT : ASUS SuperSpeedN Wireless Router	**Note : Tx-N(20M)**

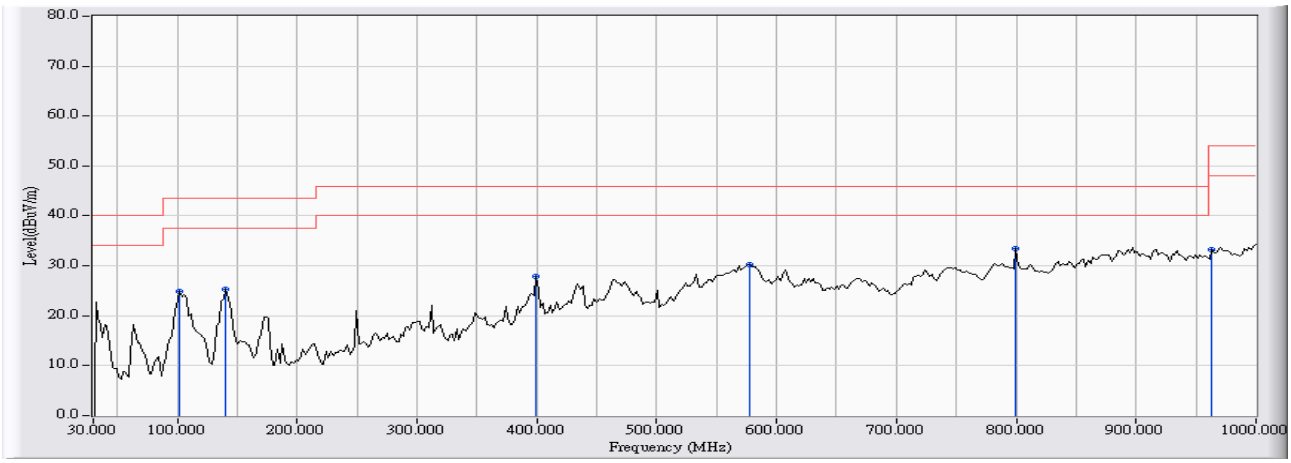


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		43.607	-4.186	34.522	30.336	-9.664	40.000	QUASIPEAK
2	*	64.990	-12.676	50.538	37.862	-2.138	40.000	QUASIPEAK
3		399.339	5.189	23.493	28.682	-17.318	46.000	QUASIPEAK
4		533.467	5.528	21.662	27.190	-18.810	46.000	QUASIPEAK
5		799.780	9.412	27.516	36.928	-9.072	46.000	QUASIPEAK
6		941.683	10.542	26.292	36.834	-9.166	46.000	QUASIPEAK

Note:

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

Site : QuieTek Open SITE 3	**Time : 2008/08/11 - 11:35**
Limit : NCC_3.10.1_03M_QP	**Margin : 6**
Probe : CB3_ NCC_30-1G(2007) - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : ASUS SuperSpeedN Wireless Router	**Note : Tx-N(40M)**

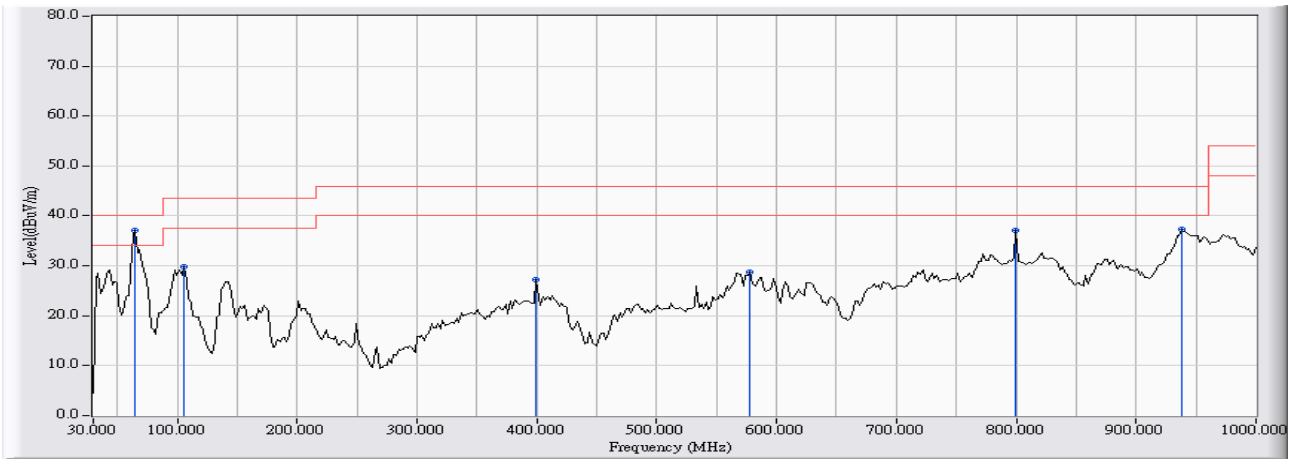


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		101.924	-6.000	30.877	24.877	-18.623	43.500	QUASIPEAK
2		140.802	-11.800	37.111	25.311	-18.189	43.500	QUASIPEAK
3		399.339	5.189	22.722	27.911	-18.089	46.000	QUASIPEAK
4		578.176	10.042	20.183	30.225	-15.775	46.000	QUASIPEAK
5	*	799.780	9.412	24.066	33.478	-12.522	46.000	QUASIPEAK
6		963.066	10.916	22.392	33.309	-20.691	54.000	QUASIPEAK

Note:

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

Site : QuieTek Open SITE 3	**Time : 2008/08/11 - 11:38**
Limit : NCC_3.10.1_03M_QP	**Margin : 6**
Probe : CB3_ NCC_30-1G(2007) - VERTICAL	**Power : AC 120V/60Hz**
EUT : ASUS SuperSpeedN Wireless Router	**Note : Tx-N(40M)**



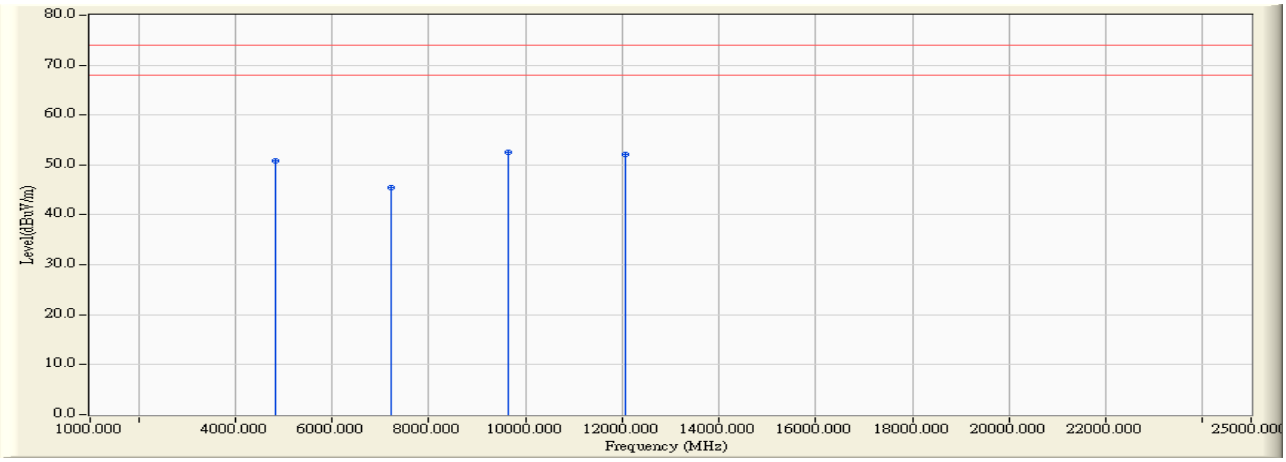
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	64.990	-12.676	49.730	37.054	-2.946	40.000	QUASIPEAK
2		105.812	-6.398	36.148	29.750	-13.750	43.500	QUASIPEAK
3		399.339	5.189	22.106	27.295	-18.705	46.000	QUASIPEAK
4		578.176	10.042	18.785	28.827	-17.173	46.000	QUASIPEAK
5		799.780	9.412	27.630	37.042	-8.958	46.000	QUASIPEAK
6		937.796	10.622	26.749	37.370	-8.630	46.000	QUASIPEAK

Note:

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

Harmonic & Spurious:

Site : QuieTek Open SITE 3	**Time : 2008/08/08 - 15:25**
Limit :NCC_3.10.1_H_03M_PK	**Margin : 6**
Probe : CB4_NCC_1-25G(2008-05) - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : ASUS SuperSpeedN Wireless Router	**Note : Tx-B (CH1)**

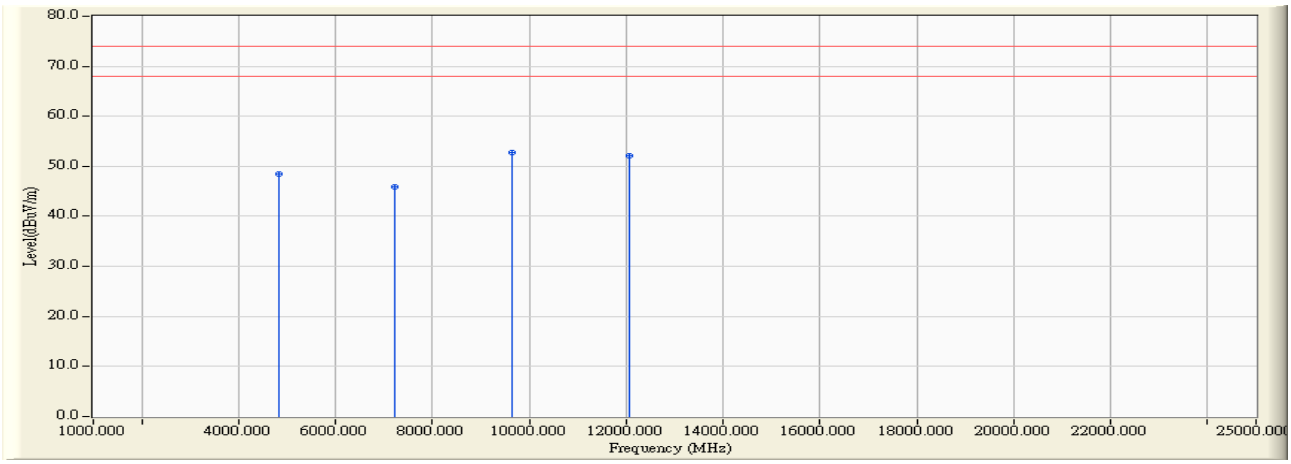


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)	Detector Type
1		4824.420	37.958	45.550	50.778	-23.222	74.000	54.000	PEAK
2		7236.430	41.968	37.150	45.407	-28.593	74.000	54.000	PEAK
3	*	9648.230	50.611	34.880	52.625	-21.375	74.000	54.000	PEAK
4		12060.580	51.663	32.510	52.074	-21.926	74.000	54.000	PEAK

Note:

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

Site : QuieTek Open SITE 3	**Time : 2008/08/08 - 15:35**
Limit :NCC_3.10.1_H_03M_PK	**Margin : 6**
Probe : CB4_NCC_1-25G(2008-05) - VERTICAL	**Power : AC 120V/60Hz**
EUT : ASUS SuperSpeedN Wireless Router	**Note : Tx-B (CH1)**

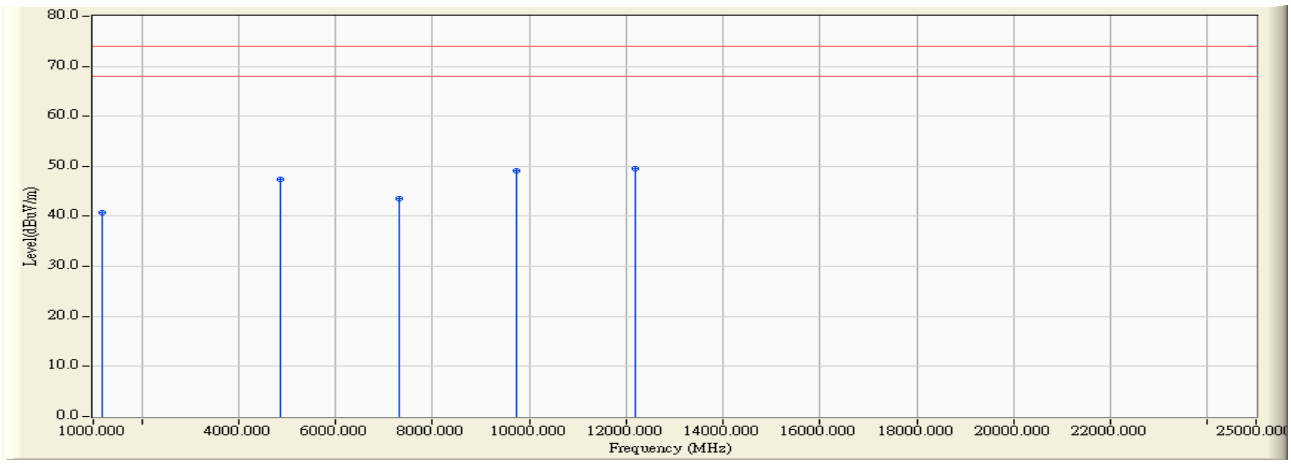


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)	Detector Type
1		4824.430	3.128	45.430	48.558	-25.442	74.000	54.000	PEAK
2		7236.430	8.730	37.210	45.941	-28.059	74.000	54.000	PEAK
3	*	9648.224	16.446	36.330	52.776	-21.224	74.000	54.000	PEAK
4		12060.900	19.444	32.730	52.175	-21.825	74.000	54.000	PEAK

Note:

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

Site : QuieTek Open SITE 3	**Time : 2008/08/08 - 15:46**
Limit :NCC_3.10.1_H_03M_PK	**Margin : 6**
Probe : CB4_NCC_1-25G(2008-05) - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : ASUS SuperSpeedN Wireless Router	**Note : Tx-B (CH6)**

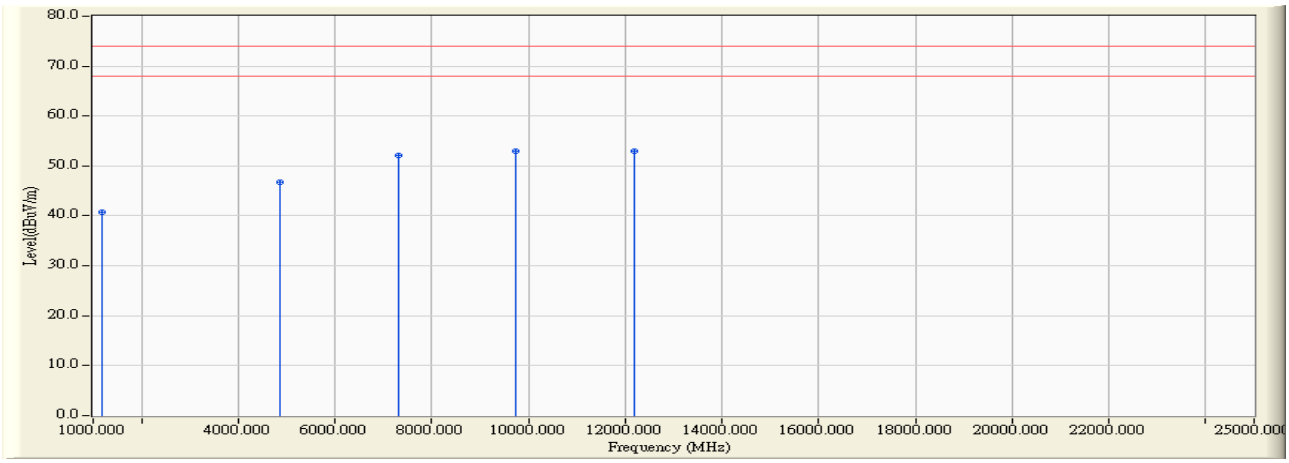


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)	Detector Type
1		1192.000	-8.062	48.720	40.658	-33.342	74.000	54.000	PEAK
2		4874.120	3.283	44.090	47.372	-26.628	74.000	54.000	PEAK
3		7311.540	7.018	36.580	43.598	-30.402	74.000	54.000	PEAK
4		9748.360	15.450	33.580	49.030	-24.970	74.000	54.000	PEAK
5	*	12185.140	17.203	32.390	49.593	-24.407	74.000	54.000	PEAK

Note:

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

Site : QuieTek Open SITE 3	**Time : 2008/08/08 - 15:59**
Limit :NCC_3.10.1_H_03M_PK	**Margin : 6**
Probe : CB4_NCC_1-25G(2008-05) - VERTICAL	**Power : AC 120V/60Hz**
EUT : ASUS SuperSpeedN Wireless Router	**Note : Tx-B (CH6)**

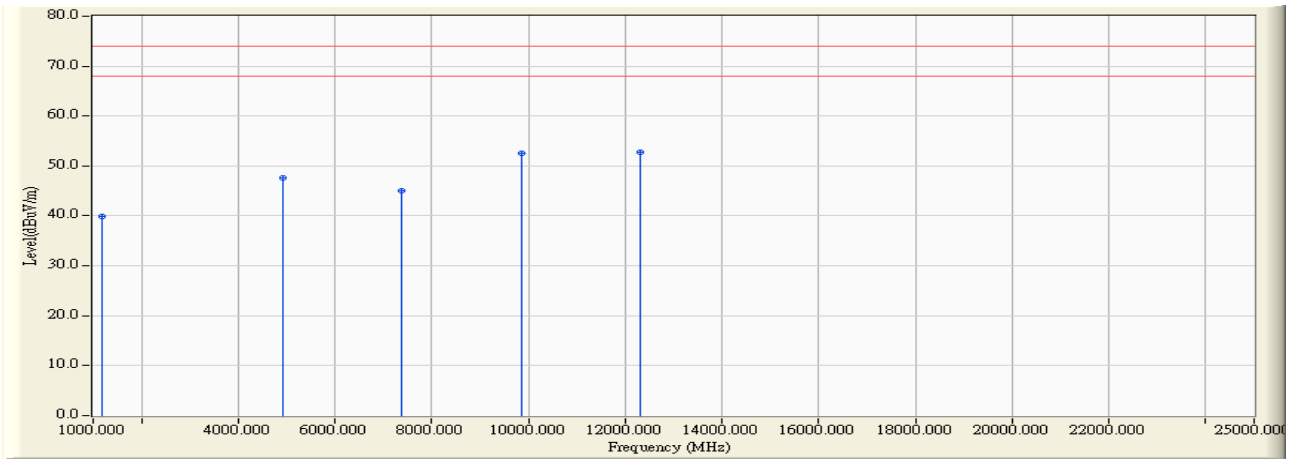


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)	Detector Type
1		1192.000	-8.062	48.720	40.658	-33.342	74.000	54.000	PEAK
2		4874.250	3.283	43.460	46.743	-27.257	74.000	54.000	PEAK
3		7311.580	7.018	45.100	52.118	-21.882	74.000	54.000	PEAK
4	*	9748.560	15.450	37.480	52.930	-21.070	74.000	54.000	PEAK
5		12185.470	17.204	35.680	52.884	-21.116	74.000	54.000	PEAK

Note:

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

Site : QuieTek Open SITE 3	**Time : 2008/08/08 - 16:18**
Limit :NCC_3.10.1_H_03M_PK	**Margin : 6**
Probe : CB4_NCC_1-25G(2008-05) - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : ASUS SuperSpeedN Wireless Router	**Note : Tx-B (CH11)**

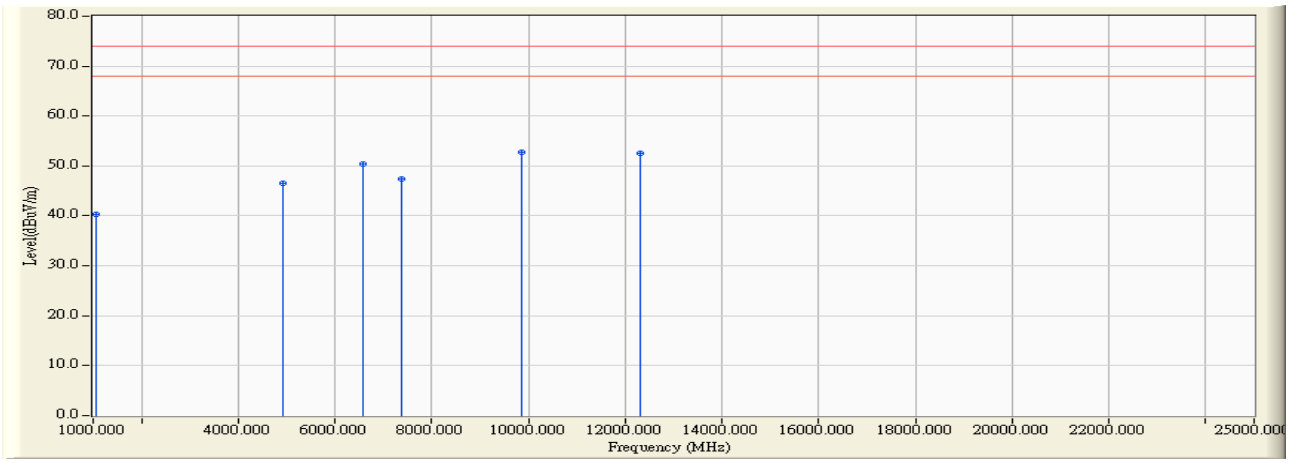


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)	Detector Type
1		1192.000	-8.062	48.010	39.948	-34.052	74.000	54.000	PEAK
2		4924.900	3.441	44.260	47.700	-26.300	74.000	54.000	PEAK
3		7386.920	7.084	37.860	44.944	-29.056	74.000	54.000	PEAK
4		9848.220	18.725	33.780	52.504	-21.496	74.000	54.000	PEAK
5	*	12310.400	20.080	32.690	52.770	-21.230	74.000	54.000	PEAK

Note:

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

Site : QuieTek Open SITE 3	**Time : 2008/08/08 - 16:31**
Limit :NCC_3.10.1_H_03M_PK	**Margin : 6**
Probe : CB4_NCC_1-25G(2008-05) - VERTICAL	**Power : AC 120V/60Hz**
EUT : ASUS SuperSpeedN Wireless Router	**Note : Tx-B (CH11)**

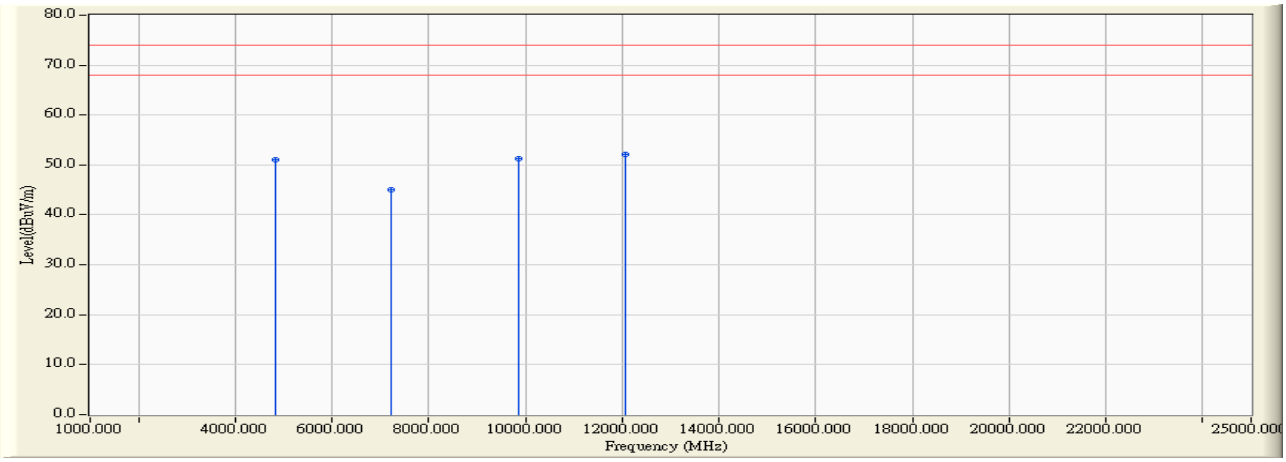


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)	Detector Type
1		1048.030	-8.600	48.970	40.369	-33.631	74.000	54.000	PEAK
2		4924.880	3.441	43.040	46.480	-27.520	74.000	54.000	PEAK
3		6568.030	6.595	43.730	50.325	-23.675	74.000	54.000	PEAK
4		7386.890	9.319	38.150	47.469	-26.531	74.000	54.000	PEAK
5	*	9848.230	17.031	35.730	52.760	-21.240	74.000	54.000	PEAK
6		12310.400	19.460	33.030	52.491	-21.509	74.000	54.000	PEAK

Note:

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

Site : QuieTek Open SITE 3	**Time : 2008/08/08 - 16:50**
Limit :NCC_3.10.1_H_03M_PK	**Margin : 6**
Probe : CB4_NCC_1-25G(2008-05) - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : ASUS SuperSpeedN Wireless Router	**Note : Tx-G (CH1)**

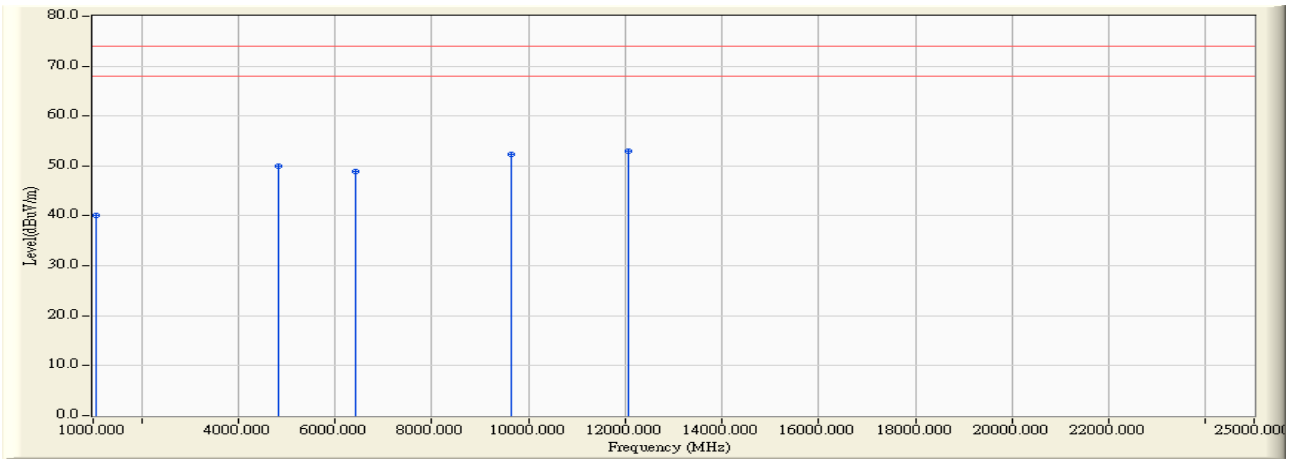


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)	Detector Type
1		4824.120	3.126	47.920	51.047	-22.953	74.000	54.000	PEAK
2		7236.440	7.444	37.640	45.084	-28.916	74.000	54.000	PEAK
3		9848.210	14.076	37.160	51.235	-22.765	74.000	54.000	PEAK
4	*	12060.890	16.707	35.360	52.068	-21.932	74.000	54.000	PEAK

Note:

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

Site : QuieTek Open SITE 3	**Time : 2008/08/08 - 16:58**
Limit :NCC_3.10.1_H_03M_PK	**Margin : 6**
Probe : CB4_NCC_1-25G(2008-05) - VERTICAL	**Power : AC 120V/60Hz**
EUT : ASUS SuperSpeedN Wireless Router	**Note : Tx-G (CH1)**

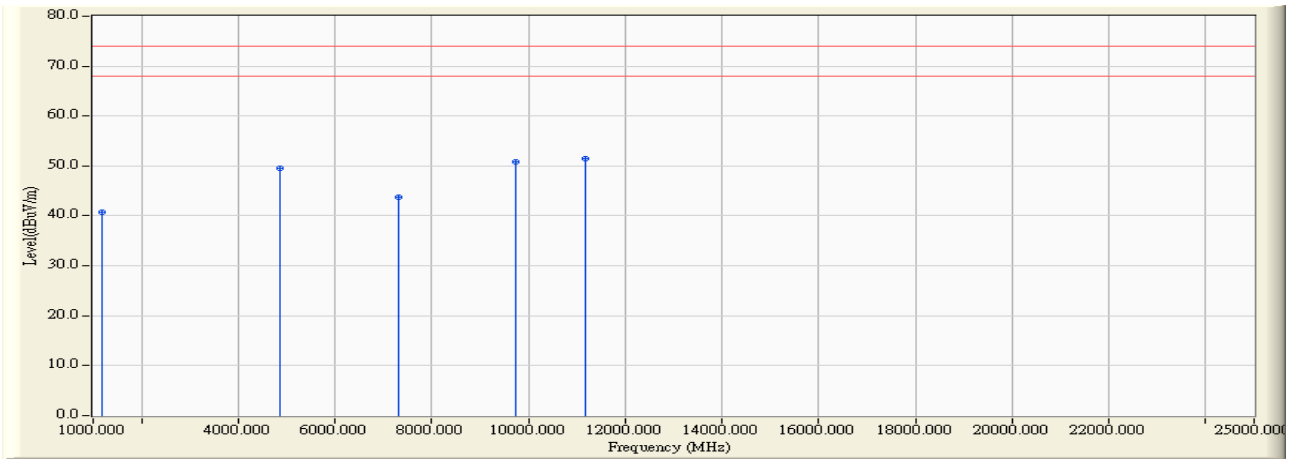


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)	Detector Type
1		1048.230	-8.600	48.660	40.060	-33.940	74.000	54.000	PEAK
2		4824.230	3.127	46.800	49.927	-24.073	74.000	54.000	PEAK
3		6424.230	5.003	43.930	48.934	-25.066	74.000	54.000	PEAK
4		9648.250	15.111	37.240	52.351	-21.649	74.000	54.000	PEAK
5	*	12060.880	16.827	36.060	52.887	-21.113	74.000	54.000	PEAK

Note:

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

Site : QuieTek Open SITE 3	**Time : 2008/08/08 - 17:09**
Limit :NCC_3.10.1_H_03M_PK	**Margin : 6**
Probe : CB4_NCC_1-25G(2008-05) - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : ASUS SuperSpeedN Wireless Router	**Note : Tx-G (CH6)**

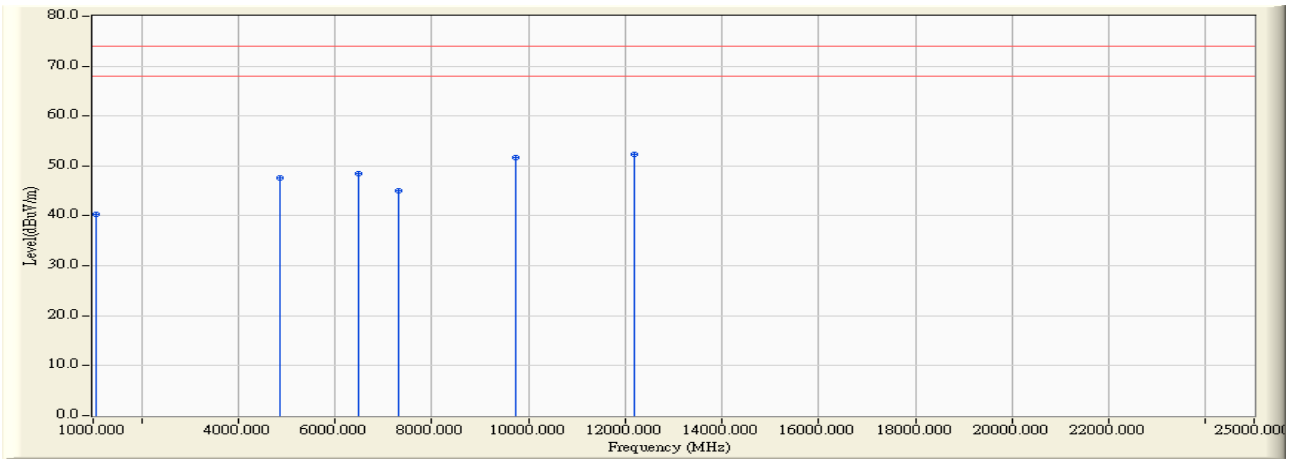


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)	Detector Type
1		1192.230	-8.062	48.820	40.759	-33.241	74.000	54.000	PEAK
2		4874.230	3.283	46.290	49.573	-24.427	74.000	54.000	PEAK
3		7311.130	7.017	36.700	43.717	-30.283	74.000	54.000	PEAK
4		9748.560	15.450	35.450	50.900	-23.100	74.000	54.000	PEAK
5	*	11185.420	17.234	34.250	51.484	-22.516	74.000	54.000	PEAK

Note:

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

Site : QuieTek Open SITE 3	**Time : 2008/08/08 - 17:20**
Limit :NCC_3.10.1_H_03M_PK	**Margin : 6**
Probe : CB4_NCC_1-25G(2008-05) - VERTICAL	**Power : AC 120V/60Hz**
EUT : ASUS SuperSpeedN Wireless Router	**Note : Tx-G (CH6)**

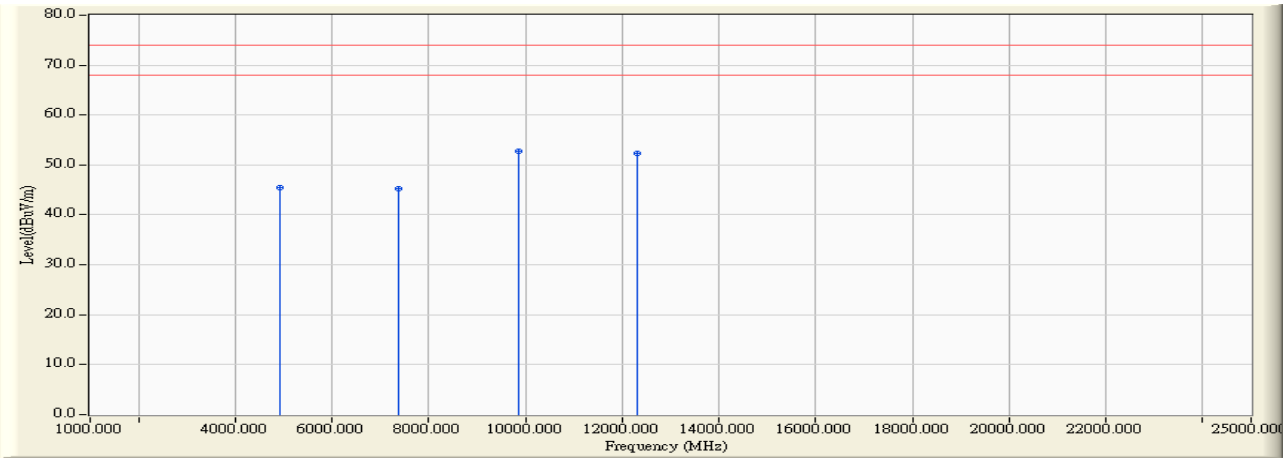


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)	Detector Type
1		1048.230	-8.600	48.900	40.300	-33.700	74.000	54.000	PEAK
2		4874.120	3.283	44.400	47.682	-26.318	74.000	54.000	PEAK
3		6496.230	5.066	43.370	48.436	-25.564	74.000	54.000	PEAK
4		7311.560	7.638	37.340	44.978	-29.022	74.000	54.000	PEAK
5		9748.430	13.951	37.830	51.781	-22.219	74.000	54.000	PEAK
6	*	12185.450	16.835	35.580	52.415	-21.585	74.000	54.000	PEAK

Note:

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

Site : QuieTek Open SITE 3	**Time : 2008/08/08 - 17:28**
Limit :NCC_3.10.1_H_03M_PK	**Margin : 6**
Probe : CB4_NCC_1-25G(2008-05) - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : ASUS SuperSpeedN Wireless Router	**Note : Tx-G (CH11)**

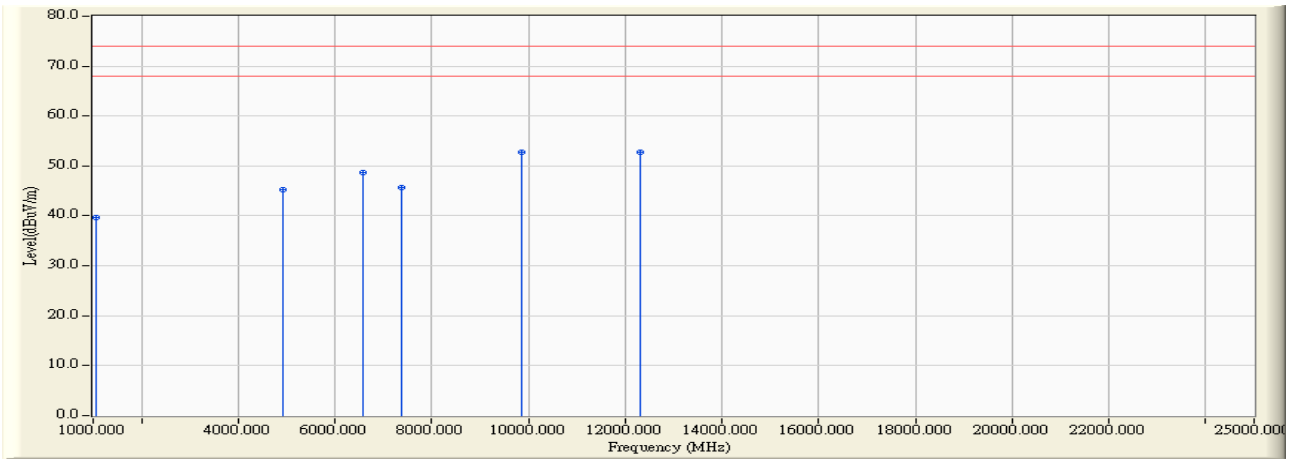


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)	Detector Type
1		4924.890	3.441	41.980	45.420	-28.580	74.000	54.000	PEAK
2		7386.980	7.084	38.070	45.154	-28.846	74.000	54.000	PEAK
3	*	9848.110	15.770	37.070	52.840	-21.160	74.000	54.000	PEAK
4		12310.400	17.586	34.730	52.317	-21.683	74.000	54.000	PEAK

Note:

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

Site : QuieTek Open SITE 3	**Time : 2008/08/08 - 17:40**
Limit :NCC_3.10.1_H_03M_PK	**Margin : 6**
Probe : CB4_NCC_1-25G(2008-05) - VERTICAL	**Power : AC 120V/60Hz**
EUT : ASUS SuperSpeedN Wireless Router	**Note : Tx-G (CH11)**

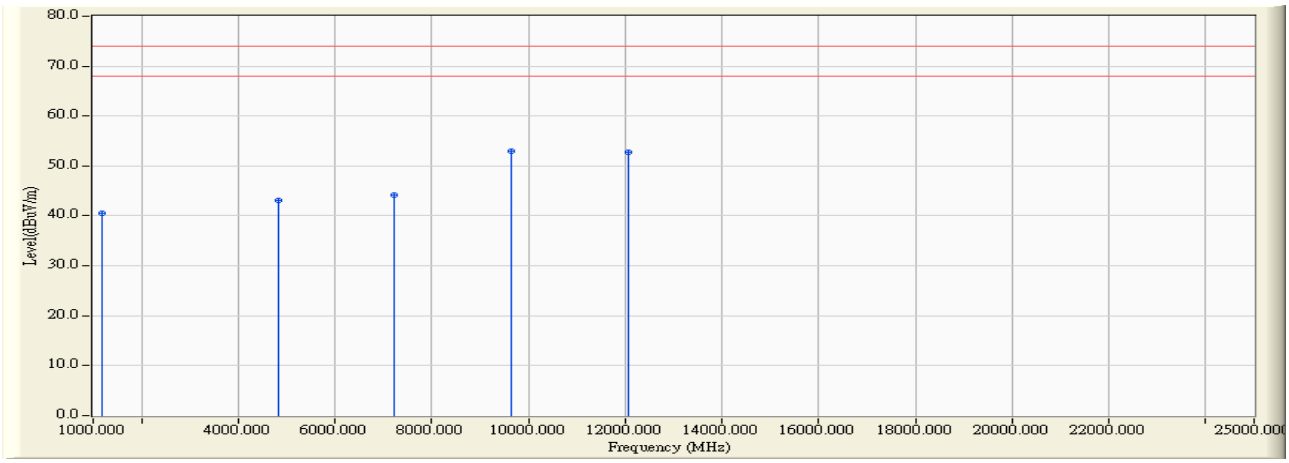


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)	Detector Type
1		1048.000	-8.602	48.220	39.619	-34.381	74.000	54.000	PEAK
2		4924.890	3.441	41.860	45.300	-28.700	74.000	54.000	PEAK
3		6568.450	5.167	43.550	48.716	-25.284	74.000	54.000	PEAK
4		7386.870	7.855	37.870	45.725	-28.275	74.000	54.000	PEAK
5		9848.120	15.770	37.020	52.790	-21.210	74.000	54.000	PEAK
6	*	12310.400	17.586	35.250	52.837	-21.163	74.000	54.000	PEAK

Note:

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

Site : QuieTek Open SITE 3	**Time : 2008/08/11 - 09:50**
Limit :NCC_3.10.1_H_03M_PK	**Margin : 6**
Probe : CB4_NCC_1-25G(2008-05) - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : ASUS SuperSpeedN Wireless Router	**Note : Tx-11N(20MHz)-CH1**

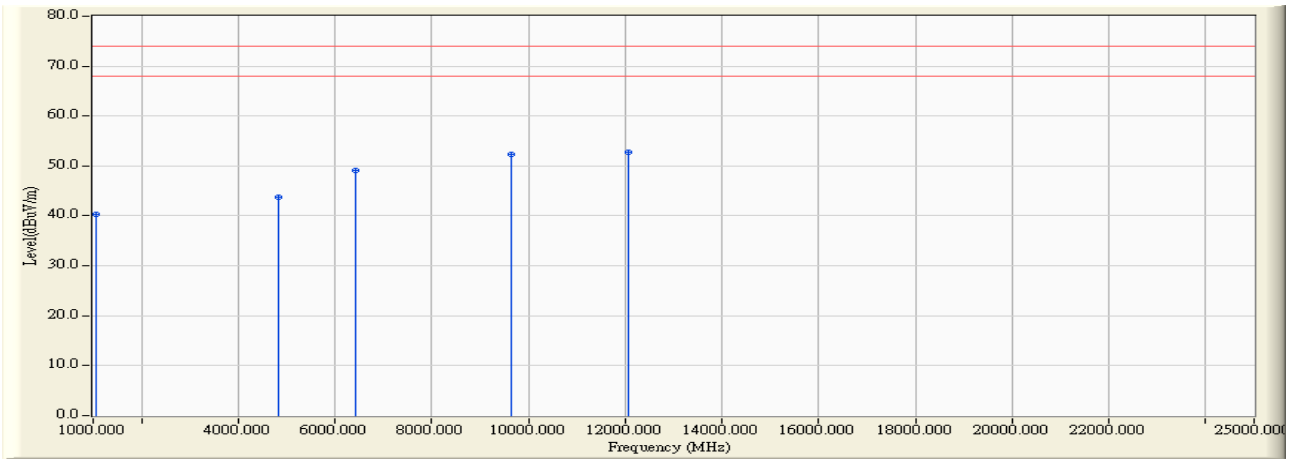


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)	Detector Type
1		1192.000	-8.062	48.510	40.448	-33.552	74.000	54.000	PEAK
2		4824.230	3.127	39.950	43.077	-30.923	74.000	54.000	PEAK
3		7235.600	6.969	37.300	44.269	-29.731	74.000	54.000	PEAK
4	*	9648.000	15.110	37.840	52.950	-21.050	74.000	54.000	PEAK
5		12060.250	16.825	35.900	52.725	-21.275	74.000	54.000	PEAK

Note:

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

Site : QuieTek Open SITE 3	**Time : 2008/08/11 - 09:56**
Limit :NCC_3.10.1_H_03M_PK	**Margin : 6**
Probe : CB4_NCC_1-25G(2008-05) - VERTICAL	**Power : AC 120V/60Hz**
EUT : ASUS SuperSpeedN Wireless Router	**Note : Tx-11N(20MHz)-CH1**

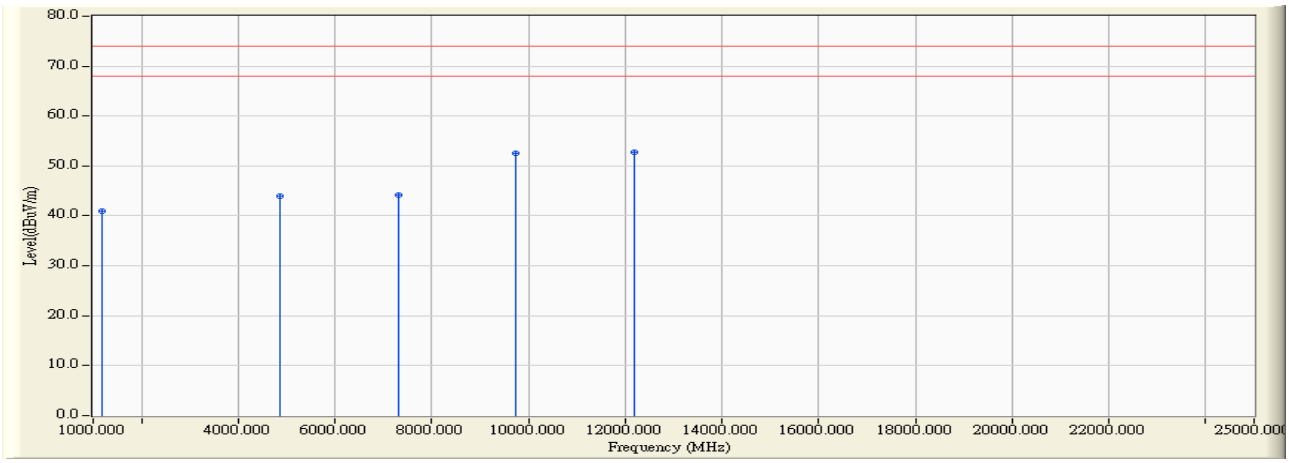


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)	Detector Type
1		1048.560	-8.600	48.960	40.361	-33.639	74.000	54.000	PEAK
2		4824.230	3.127	40.540	43.667	-30.333	74.000	54.000	PEAK
3		6424.230	5.003	44.170	49.174	-24.826	74.000	54.000	PEAK
4		9648.120	15.110	37.140	52.250	-21.750	74.000	54.000	PEAK
5	*	12060.140	16.825	35.980	52.805	-21.195	74.000	54.000	PEAK

Note:

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

Site : QuieTek Open SITE 3	**Time : 2008/08/11 - 10:07**
Limit :NCC_3.10.1_H_03M_PK	**Margin : 6**
Probe : CB4_NCC_1-25G(2008-05) - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : ASUS SuperSpeedN Wireless Router	**Note : Tx-11N(20MHz)-CH6**

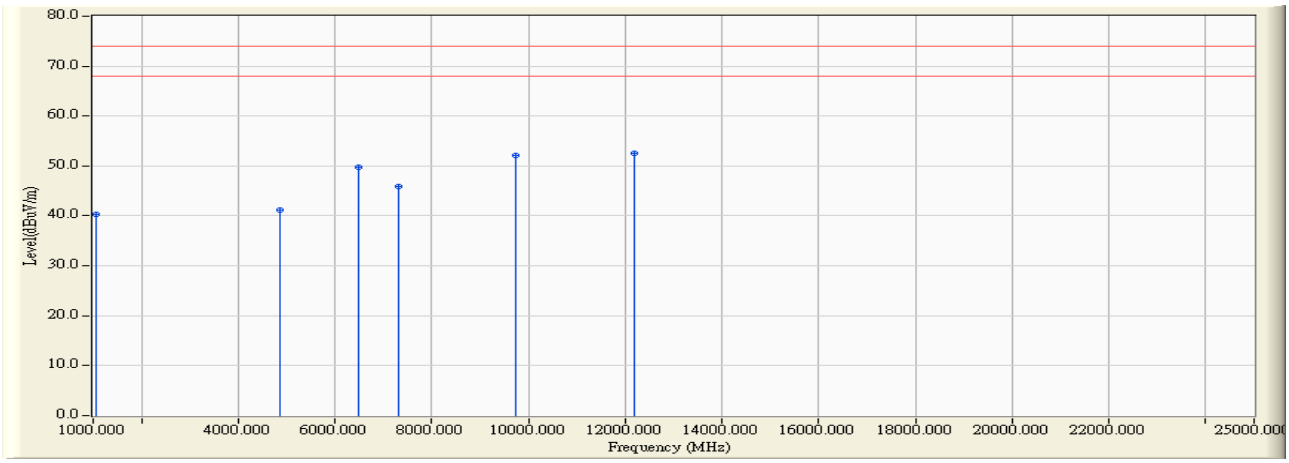


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)	Detector Type
1		1192.560	-8.059	48.920	40.860	-33.140	74.000	54.000	PEAK
2		4874.120	3.283	40.680	43.962	-30.038	74.000	54.000	PEAK
3		7311.450	7.018	37.220	44.238	-29.762	74.000	54.000	PEAK
4		9748.120	15.449	37.140	52.589	-21.411	74.000	54.000	PEAK
5	*	12185.000	17.203	35.602	52.805	-21.195	74.000	54.000	PEAK

Note:

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

Site : QuieTek Open SITE 3	**Time : 2008/08/11 - 10:18**
Limit :NCC_3.10.1_H_03M_PK	**Margin : 6**
Probe : CB4_NCC_1-25G(2008-05) - VERTICAL	**Power : AC 120V/60Hz**
EUT : ASUS SuperSpeedN Wireless Router	**Note : Tx-11N(20MHz)-CH6**

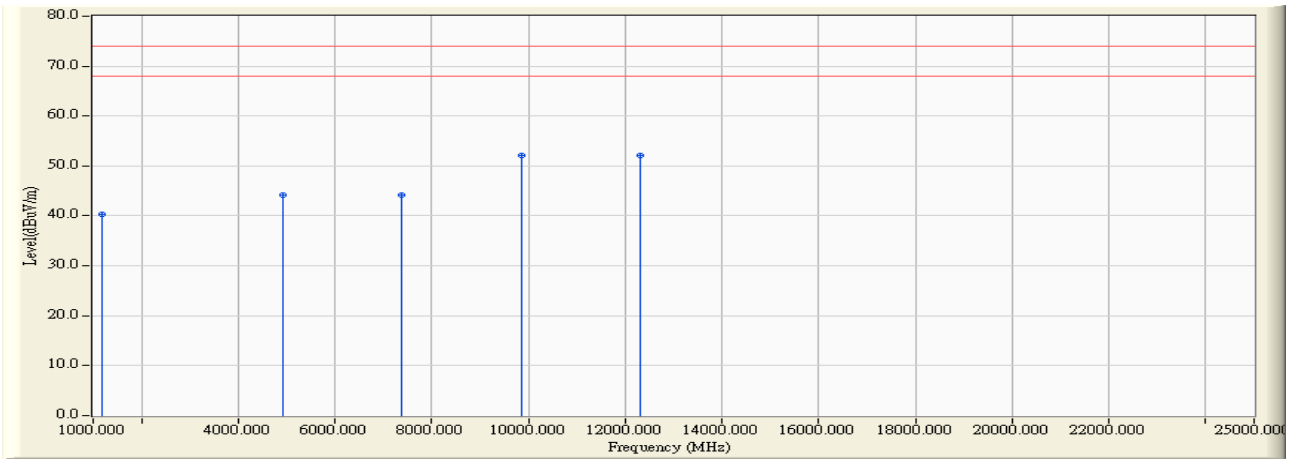


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)	Detector Type
1		1048.450	-8.600	48.870	40.270	-33.730	74.000	54.000	PEAK
2		4874.250	3.283	37.790	41.073	-32.927	74.000	54.000	PEAK
3		6495.560	5.065	44.760	49.825	-24.175	74.000	54.000	PEAK
4		7311.560	7.638	38.220	45.858	-28.142	74.000	54.000	PEAK
5		9748.120	13.951	38.250	52.201	-21.799	74.000	54.000	PEAK
6	*	12185.410	16.835	35.650	52.485	-21.515	74.000	54.000	PEAK

Note:

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

Site : QuieTek Open SITE 3	**Time : 2008/08/11 - 10:27**
Limit :NCC_3.10.1_H_03M_PK	**Margin : 6**
Probe : CB4_NCC_1-25G(2008-05) - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : ASUS SuperSpeedN Wireless Router	**Note : Tx-11N(20MHz)-CH11**

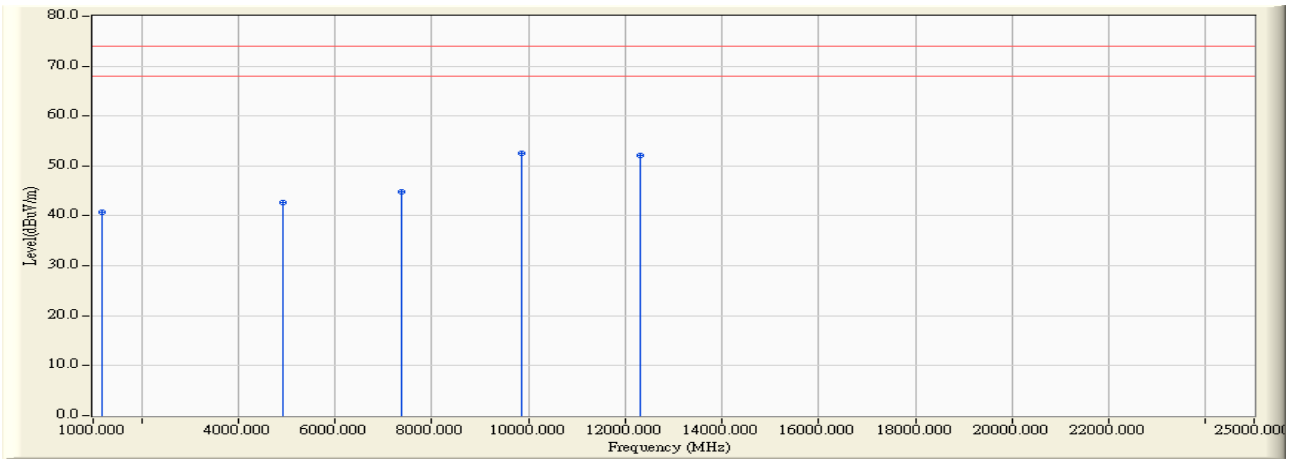


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)	Detector Type
1		1192.130	-8.062	48.450	40.388	-33.612	74.000	54.000	PEAK
2		4924.230	3.438	40.660	44.098	-29.902	74.000	54.000	PEAK
3		7368.120	7.074	37.150	44.224	-29.776	74.000	54.000	PEAK
4		9848.230	15.770	36.340	52.110	-21.890	74.000	54.000	PEAK
5	*	12310.380	17.586	34.620	52.206	-21.794	74.000	54.000	PEAK

Note:

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

Site : QuieTek Open SITE 3	**Time : 2008/08/11 - 10:33**
Limit :NCC_3.10.1_H_03M_PK	**Margin : 6**
Probe : CB4_NCC_1-25G(2008-05) - VERTICAL	**Power : AC 120V/60Hz**
EUT : ASUS SuperSpeedN Wireless Router	**Note : Tx-11N(20MHz)-CH11**

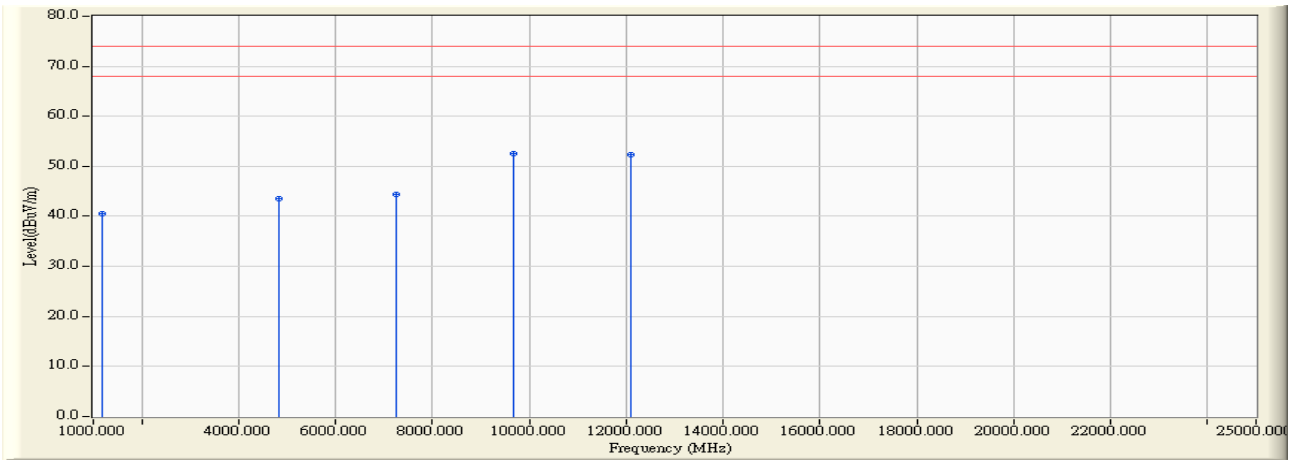


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)	Detector Type
1		1192.120	-8.062	48.780	40.718	-33.282	74.000	54.000	PEAK
2		4924.890	3.441	39.190	42.630	-31.370	74.000	54.000	PEAK
3		7386.970	7.084	37.750	44.834	-29.166	74.000	54.000	PEAK
4	*	9848.220	15.770	36.850	52.620	-21.380	74.000	54.000	PEAK
5		12310.400	17.586	34.490	52.077	-21.923	74.000	54.000	PEAK

Note:

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

Site : QuieTek Open SITE 3	**Time : 2008/08/11 - 14:47**
Limit : FCC_SpartC_15.247_H_03M_PK	**Margin : 6**
Probe : CB4_FCC_1-18G(2008-05) - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : ASUS SuperSpeedN Wireless Router	**Note : Tx11N-40MHz-CH3**

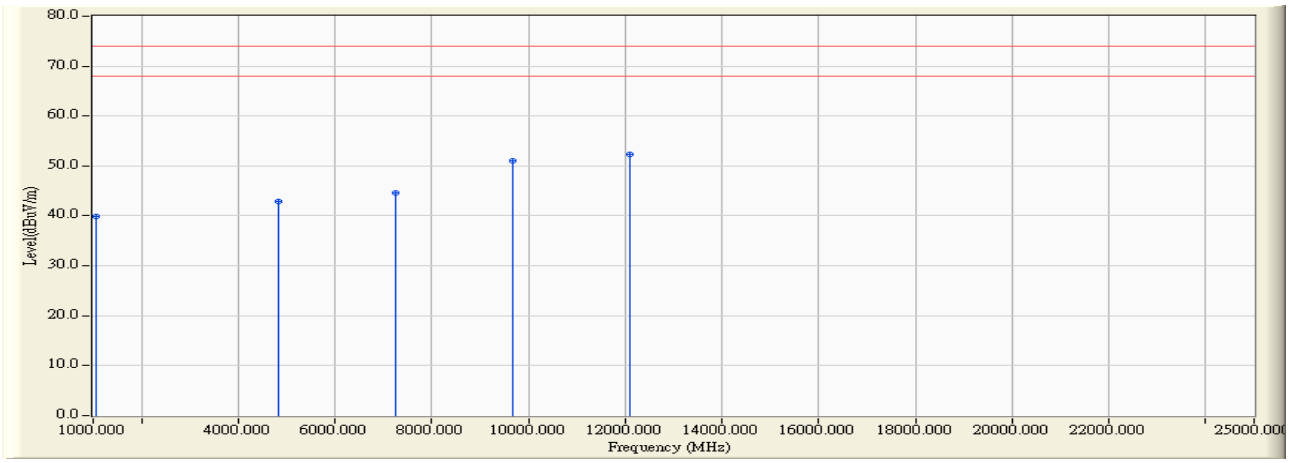


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)	Detector Type
1		1192.230	-8.062	48.610	40.549	-33.451	74.000	54.000	PEAK
2		4844.360	3.184	40.280	43.464	-30.536	74.000	54.000	PEAK
3		7266.230	6.992	37.350	44.342	-29.658	74.000	54.000	PEAK
4	*	9688.120	15.236	37.390	52.626	-21.374	74.000	54.000	PEAK
5		12110.360	16.990	35.300	52.290	-21.710	74.000	54.000	PEAK

Note:

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

Site : QuieTek Open SITE 3	**Time : 2008/08/11 - 14:59**
Limit :NCC_3.10.1_H_03M_PK	**Margin : 6**
Probe : CB4_NCC_1-25G(2008-05) - VERTICAL	**Power : AC 120V/60Hz**
EUT : ASUS SuperSpeedN Wireless Router	**Note : Tx11N-40MHz-CH3**

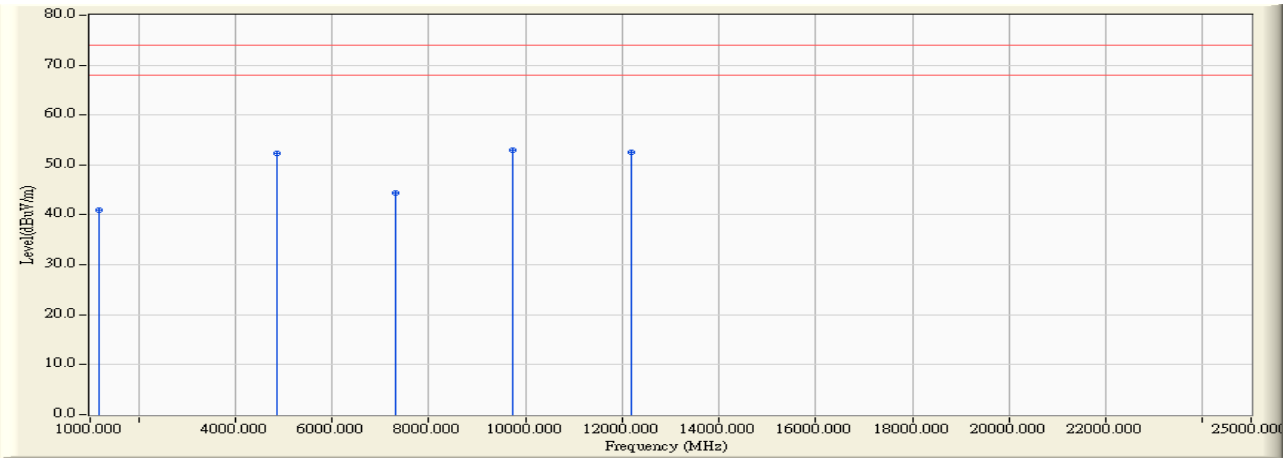


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)	Detector Type
1		1048.000	-8.602	48.500	39.899	-34.101	74.000	54.000	PEAK
2		4844.250	3.184	39.770	42.954	-31.046	74.000	54.000	PEAK
3		7266.250	7.526	37.170	44.696	-29.304	74.000	54.000	PEAK
4		9688.240	13.864	37.170	51.034	-22.966	74.000	54.000	PEAK
5	*	12110.360	16.768	35.570	52.338	-21.662	74.000	54.000	PEAK

Note:

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

Site : QuieTek Open SITE 3	**Time : 2008/08/11 - 15:10**
Limit :NCC_3.10.1_H_03M_PK	**Margin : 6**
Probe : CB4_NCC_1-25G(2008-05) - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : ASUS SuperSpeedN Wireless Router	**Note : Tx11N-40MHz-CH6**

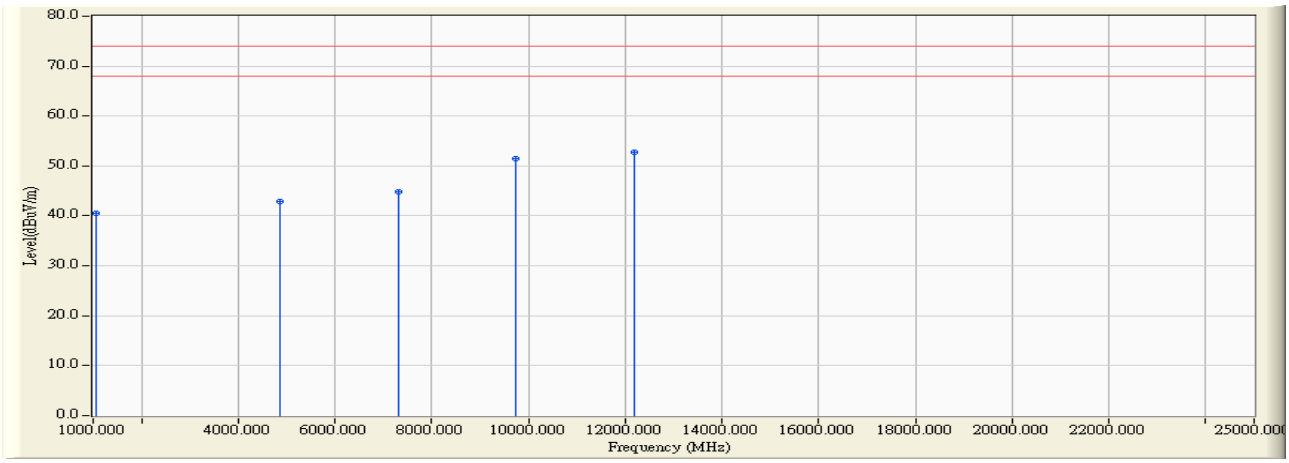


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)	Detector Type
1		1192.000	-8.062	48.970	40.908	-33.092	74.000	54.000	PEAK
2		4874.230	3.283	48.970	52.253	-21.747	74.000	54.000	PEAK
3		7311.250	7.017	37.390	44.408	-29.592	74.000	54.000	PEAK
4	*	9748.020	15.449	37.420	52.869	-21.131	74.000	54.000	PEAK
5		12185.230	17.203	35.390	52.594	-21.406	74.000	54.000	PEAK

Note:

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

Site : QuieTek Open SITE 3	**Time : 2008/08/11 - 15:32**
Limit :NCC_3.10.1_H_03M_PK	**Margin : 6**
Probe : CB4_NCC_1-25G(2008-05) - VERTICAL	**Power : AC 120V/60Hz**
EUT : ASUS SuperSpeedN Wireless Router	**Note : Tx11N-40MHz-CH6**

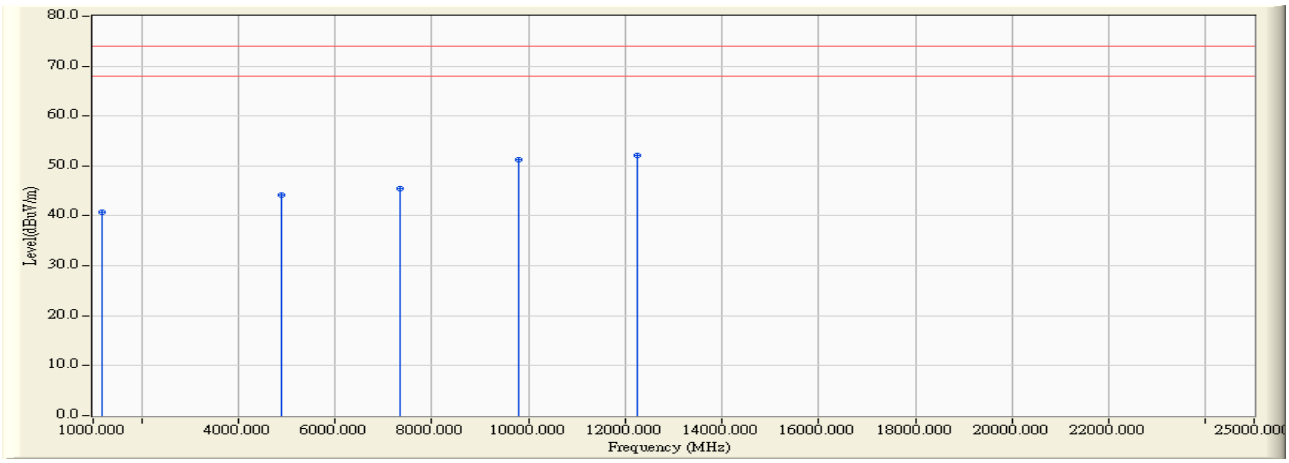


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)	Detector Type
1		1048.230	-8.600	49.090	40.490	-33.510	74.000	54.000	PEAK
2		4874.140	3.283	39.690	42.973	-31.027	74.000	54.000	PEAK
3		7311.010	7.637	37.200	44.837	-29.163	74.000	54.000	PEAK
4		9748.250	13.951	37.600	51.551	-22.449	74.000	54.000	PEAK
5	*	12185.230	16.835	35.850	52.685	-21.315	74.000	54.000	PEAK

Note:

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

Site : QuieTek Open SITE 3	**Time : 2008/08/11 - 15:38**
Limit :NCC_3.10.1_H_03M_PK	**Margin : 6**
Probe : CB4_NCC_1-25G(2008-05) - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : ASUS SuperSpeedN Wireless Router	**Note : Tx11N-40MHz-CH9**

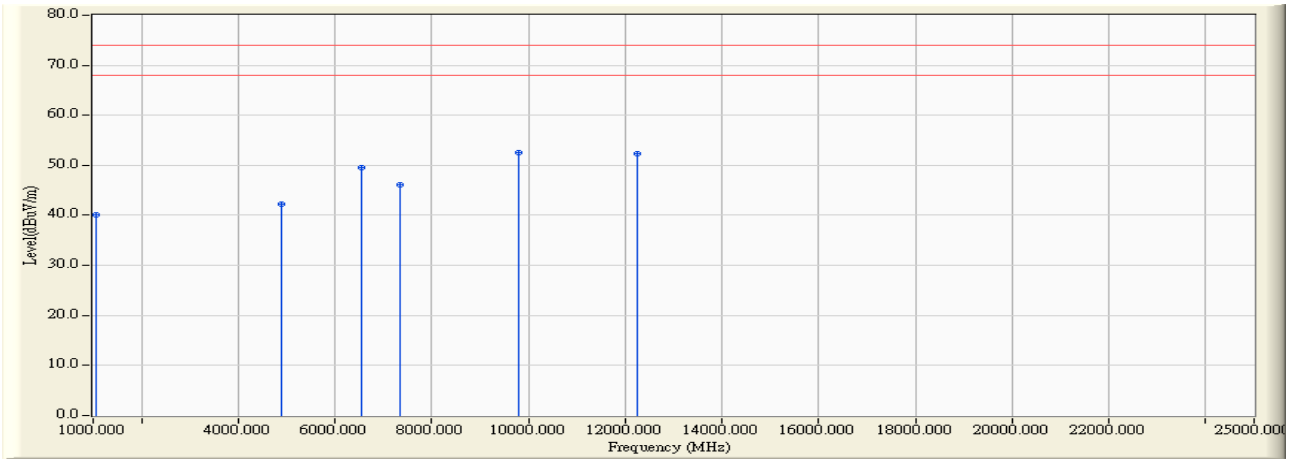


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)	Detector Type
1		1192.020	-8.062	48.750	40.688	-33.312	74.000	54.000	PEAK
2		4904.020	3.371	40.890	44.261	-29.739	74.000	54.000	PEAK
3		7356.030	7.778	37.720	45.498	-28.502	74.000	54.000	PEAK
4		9808.230	14.029	37.230	51.259	-22.741	74.000	54.000	PEAK
5	*	12260.000	16.912	35.240	52.152	-21.848	74.000	54.000	PEAK

Note:

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

Site : QuieTek Open SITE 3	**Time : 2008/08/11 - 15:44**
Limit :NCC_3.10.1_H_03M_PK	**Margin : 6**
Probe : CB4_NCC_1-25G(2008-05) - VERTICAL	**Power : AC 120V/60Hz**
EUT : ASUS SuperSpeedN Wireless Router	**Note : Tx11N-40MHz-CH9**



		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)	Detector Type
1		1048.030	-8.600	48.690	40.089	-33.911	74.000	54.000	PEAK
2		4904.250	3.372	38.870	42.242	-31.758	74.000	54.000	PEAK
3		6536.250	5.117	44.430	49.547	-24.453	74.000	54.000	PEAK
4		7356.030	7.778	38.310	46.088	-27.912	74.000	54.000	PEAK
5	*	9808.230	15.644	36.810	52.454	-21.546	74.000	54.000	PEAK
6		12260.350	17.432	34.810	52.243	-21.757	74.000	54.000	PEAK

Note:

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

5. RF antenna conducted test

5.1. Test Equipment

The following test equipments are used during the test:

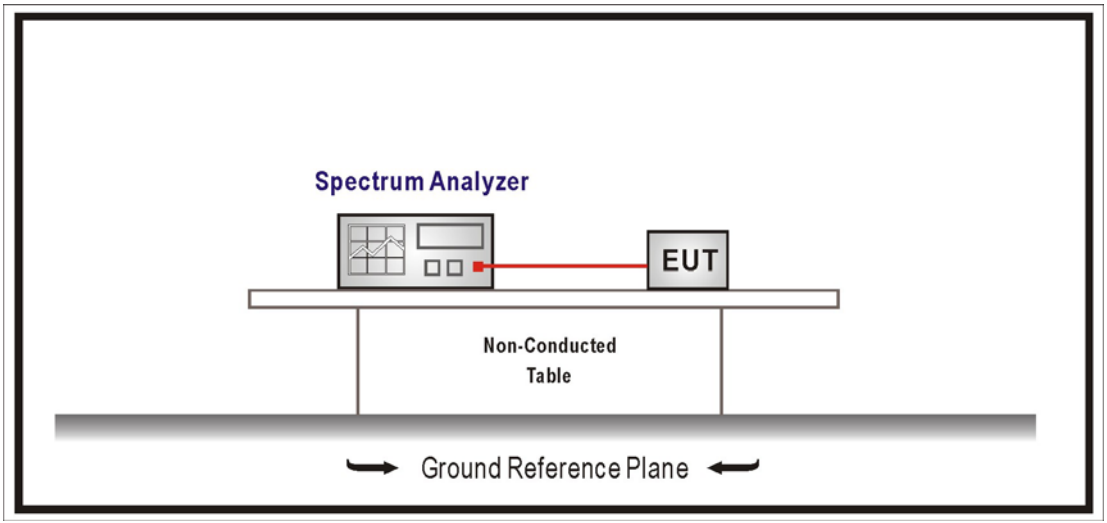
RF Conducted Measurement:				
Item	Equipment	Manufacturer	Model No. / Serial No.	Last Cal.
1	Spectrum Analyzer	R & S	FSP / 100561	Jan., 2008
2	No.1 OATS			Sep., 2007

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

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

5.2. Test Setup

RF Antenna Conducted Measurement:



5.3. Limits

In any 100 kHz bandwidth outside the frequency band in which the spread spectrum intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on an RF conducted or radiated measurement. Attenuation below the general limits specified in Section 15.209(a) is not required. In addition, radiated emissions which fall in the restricted bands, as defined in Section 15.205(a), must also comply with the radiated emission limits specified in Section 15.209(a) (see Section 15.205(c)).

5.4. Test Procedure

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

5.5. Uncertainty

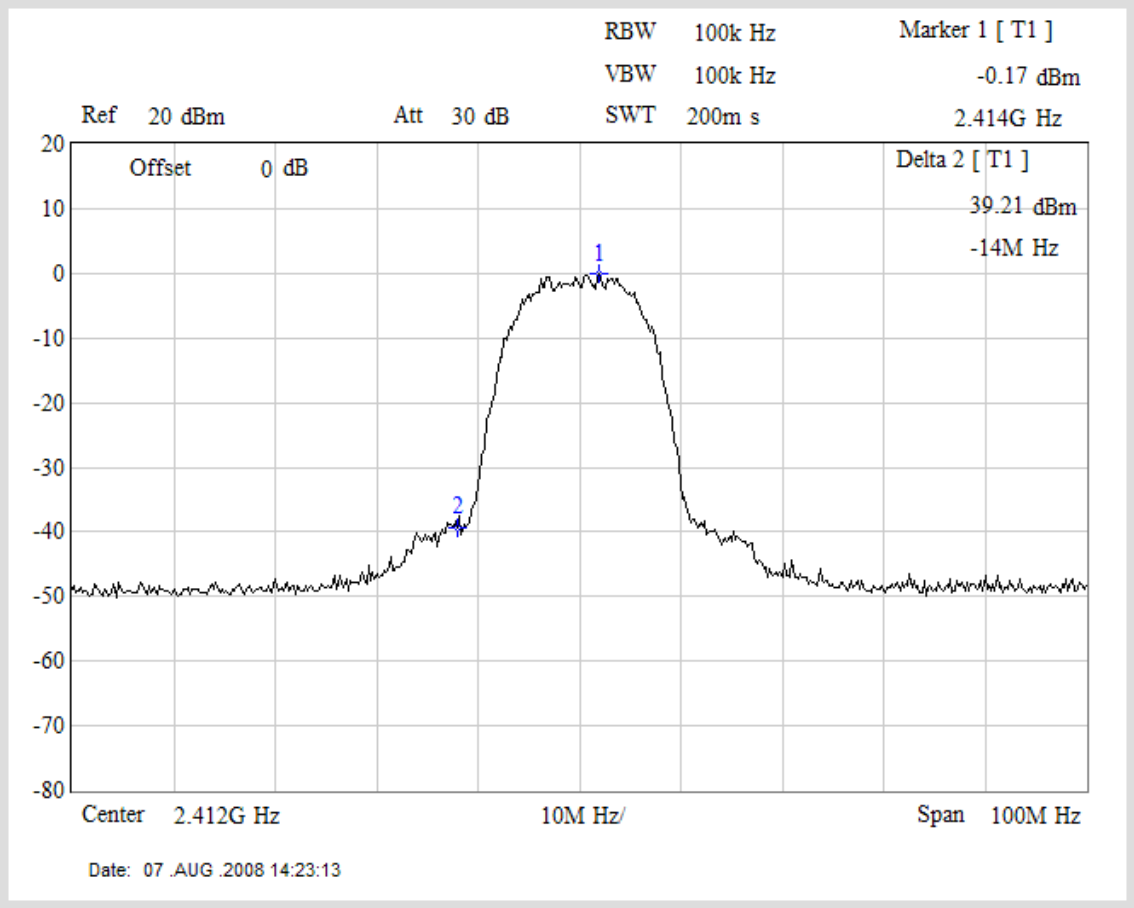
The measurement uncertainty
Conducted is defined as ± 1.27dB
Radiated is defined as ± 3.9dB

5.6. Test Result

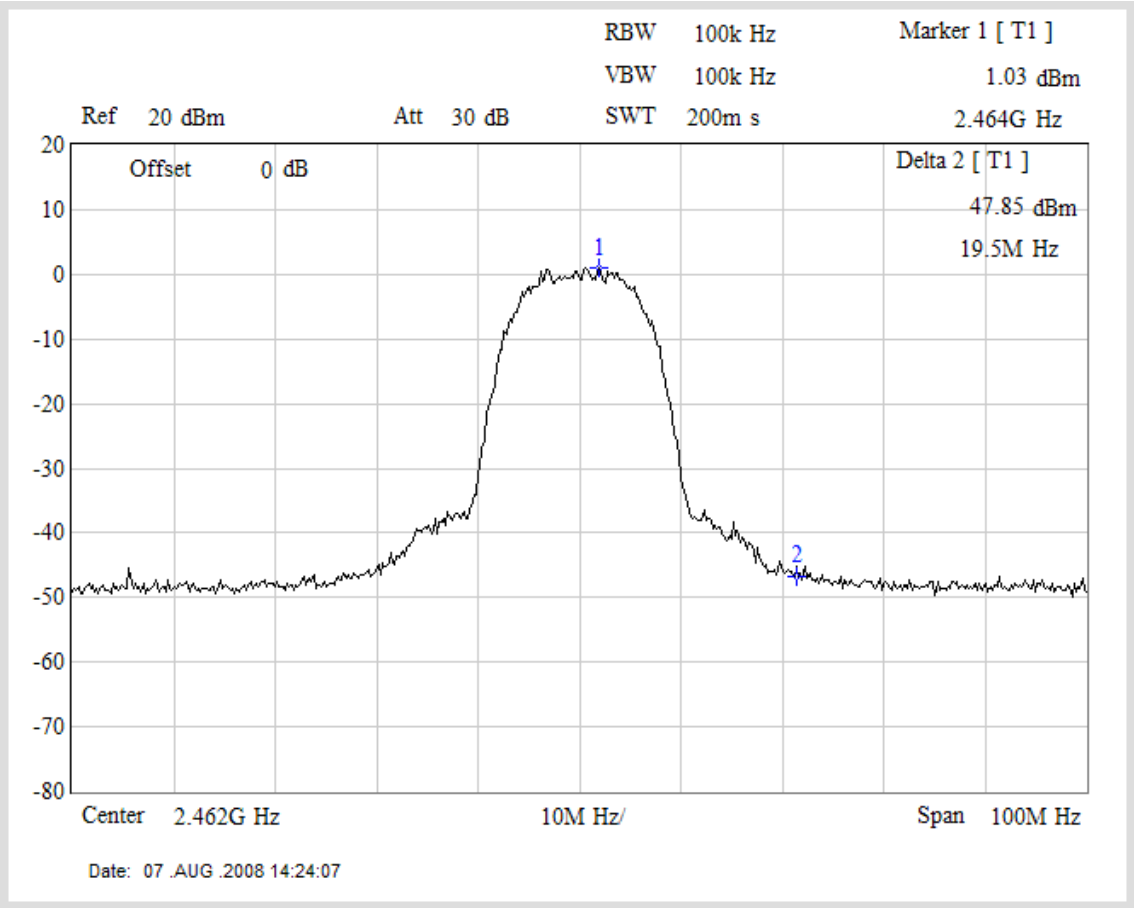
Product	ASUS SuperSpeedN Wireless Router		
Test Item	RF antenna conducted test		
Test Mode	Transmit		
Date of Test	2008/08/07	Test Site	No.1 OATS

IEEE 802.11b, Antenna Gain: 4.7dBi, Duty Cycle: 1				
Channel No.	Frequency (MHz)	Measure Level (dBc)	Limit (dBc)	Result
1	2412	39.21	> 30	Pass
11	2462	47.85	> 30	Pass

Channel 01 (2412MHz)



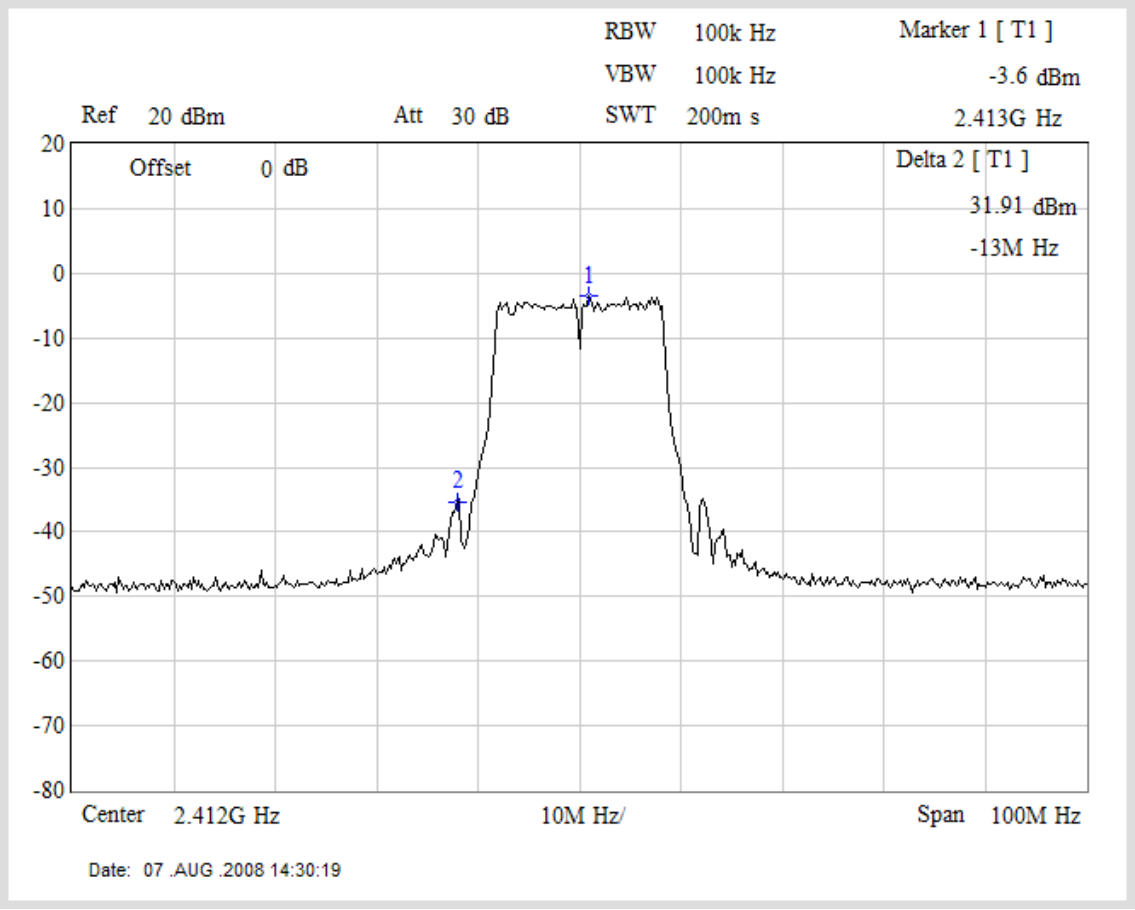
Channel 11 (2462MHz)



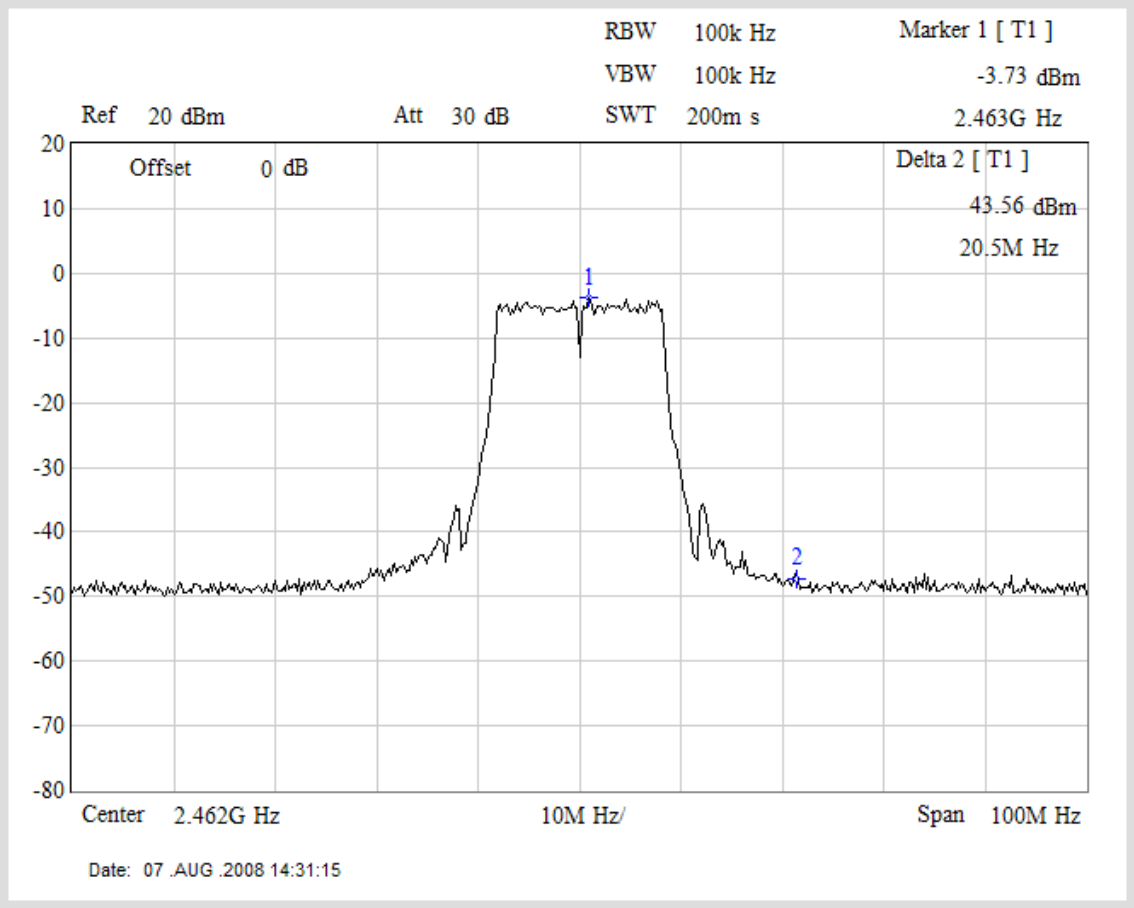
Product	ASUS SuperSpeedN Wireless Router		
Test Item	RF antenna conducted test		
Test Mode	Transmit		
Date of Test	2008/08/07	Test Site	No.1 OATS

IEEE 802.11g, Antenna Gain: 4.7dBi, Duty Cycle: 1				
Channel No.	Frequency (MHz)	Measure Level (dBc)	Limit (dBc)	Result
1	2412	31.91	> 30	Pass
11	2462	43.56	> 30	Pass

Channel 01 (2412MHz)



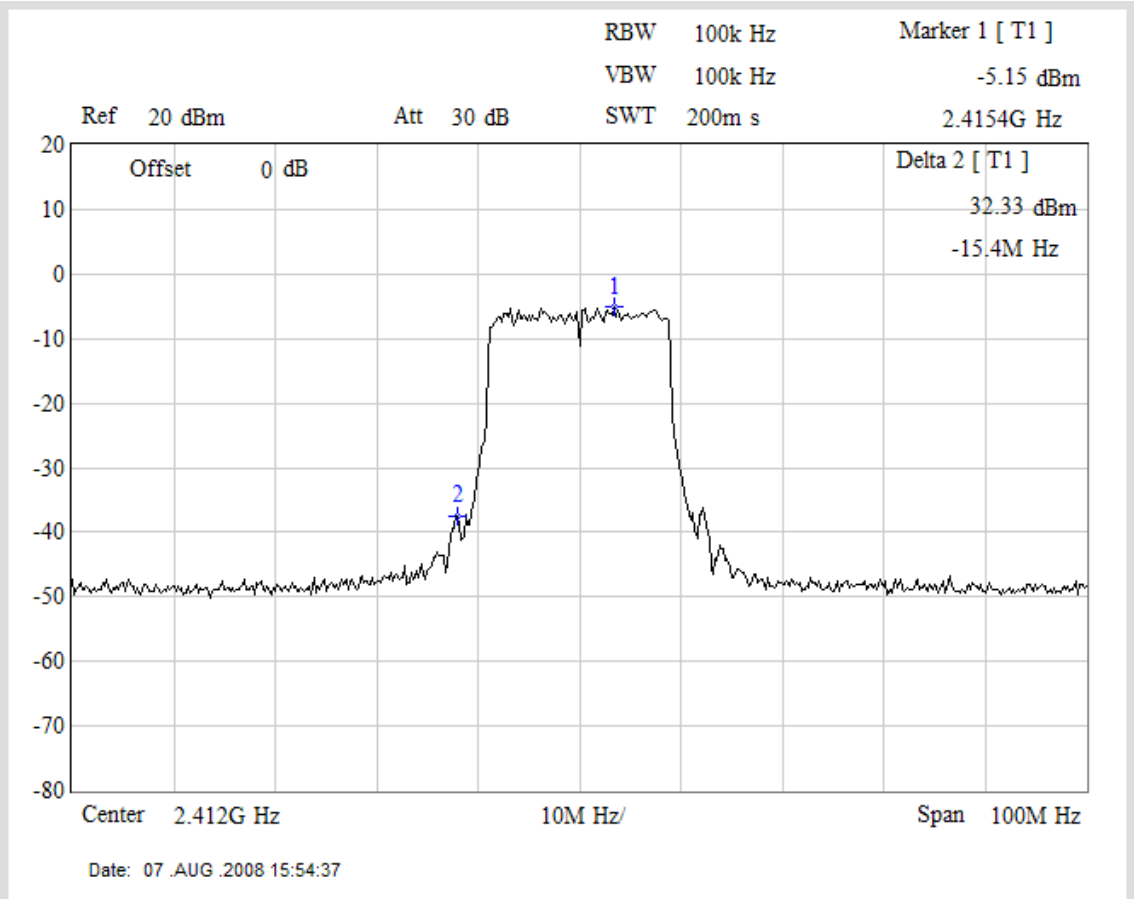
Channel 11 (2462MHz)



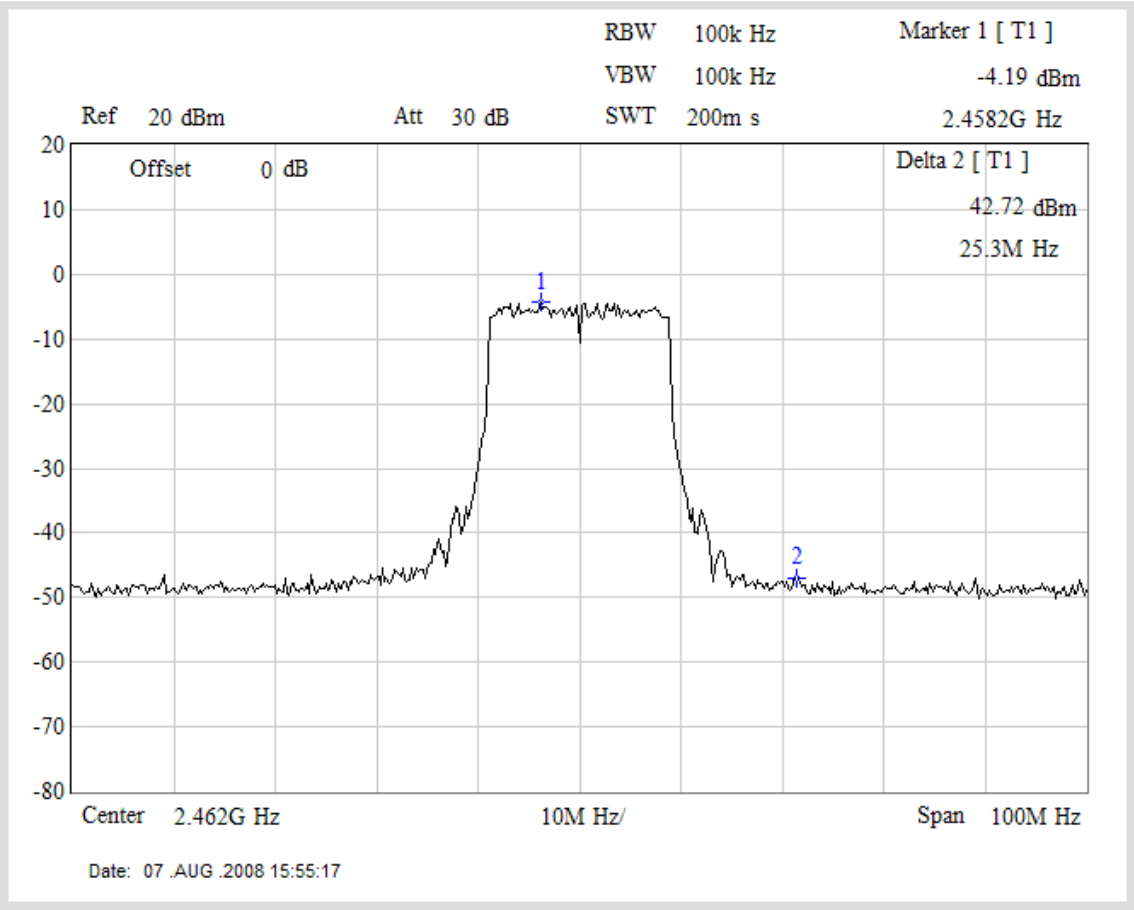
Product	ASUS SuperSpeedN Wireless Router		
Test Item	RF antenna conducted test		
Test Mode	Transmit		
Date of Test	2008/08/07	Test Site	No.1 OATS

IEEE 802.11n (ANT A (20MHz)), Antenna Gain: 4.7dBi, Duty Cycle: 1				
Channel No.	Frequency (MHz)	Measure Level (dBc)	Limit (dBc)	Result
1	2412	32.33	> 30	Pass
11	2462	42.72	> 30	Pass

Channel 1 (2412MHz)



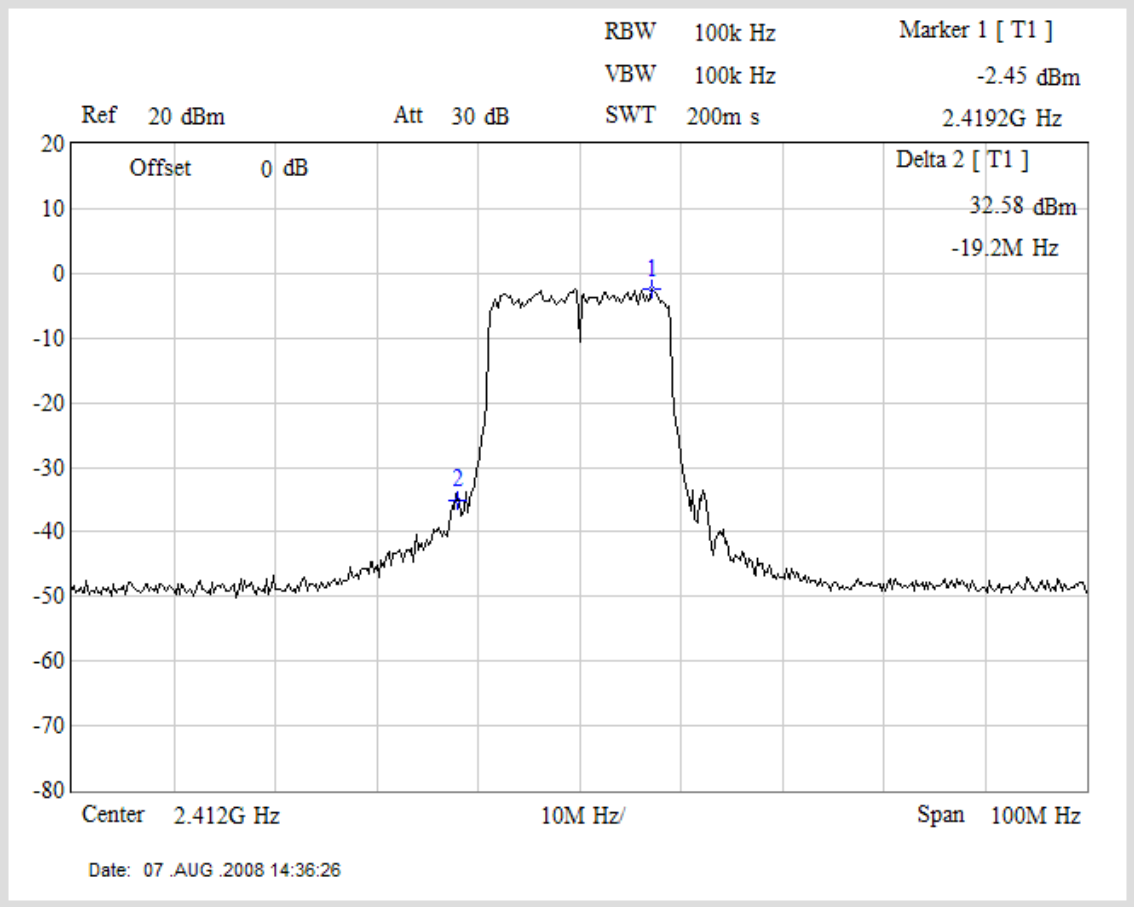
Channel 11 (2462MHz)



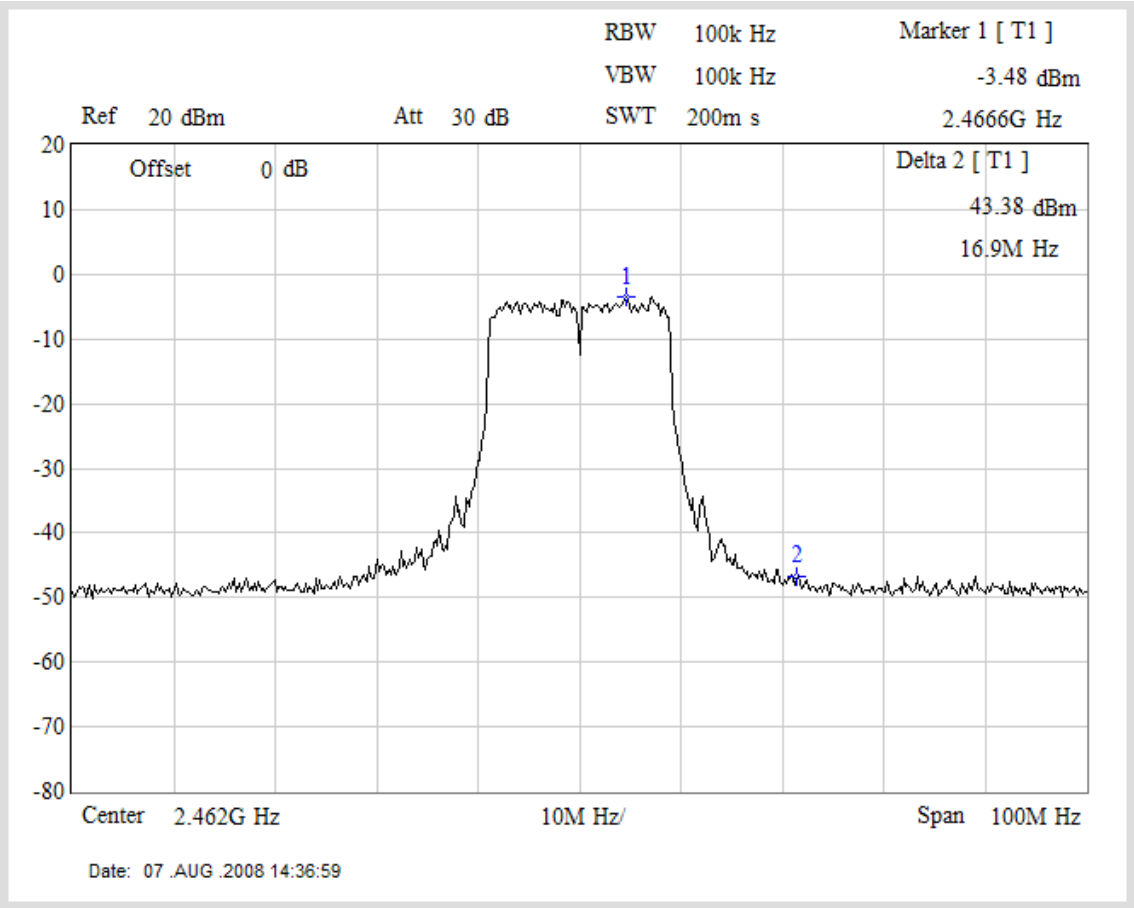
Product	ASUS SuperSpeedN Wireless Router		
Test Item	RF antenna conducted test		
Test Mode	Transmit		
Date of Test	2008/08/07	Test Site	No.1 OATS

IEEE 802.11n (ANT B (20MHz)), Antenna Gain: 4.3dBi, Duty Cycle: 1				
Channel No.	Frequency (MHz)	Measure Level (dBc)	Limit (dBc)	Result
1	2412	32.58	> 30	Pass
11	2462	43.38	> 30	Pass

Channel 1 (2412MHz)



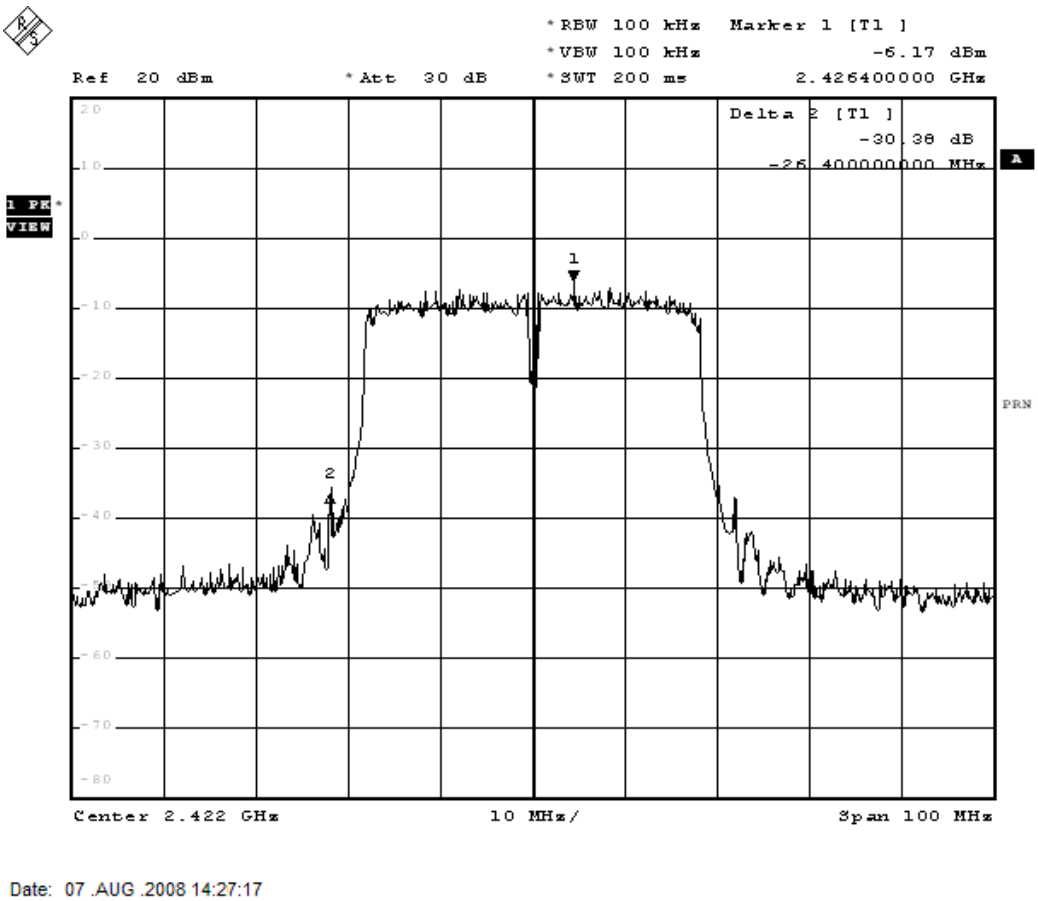
Channel 11 (2462MHz)



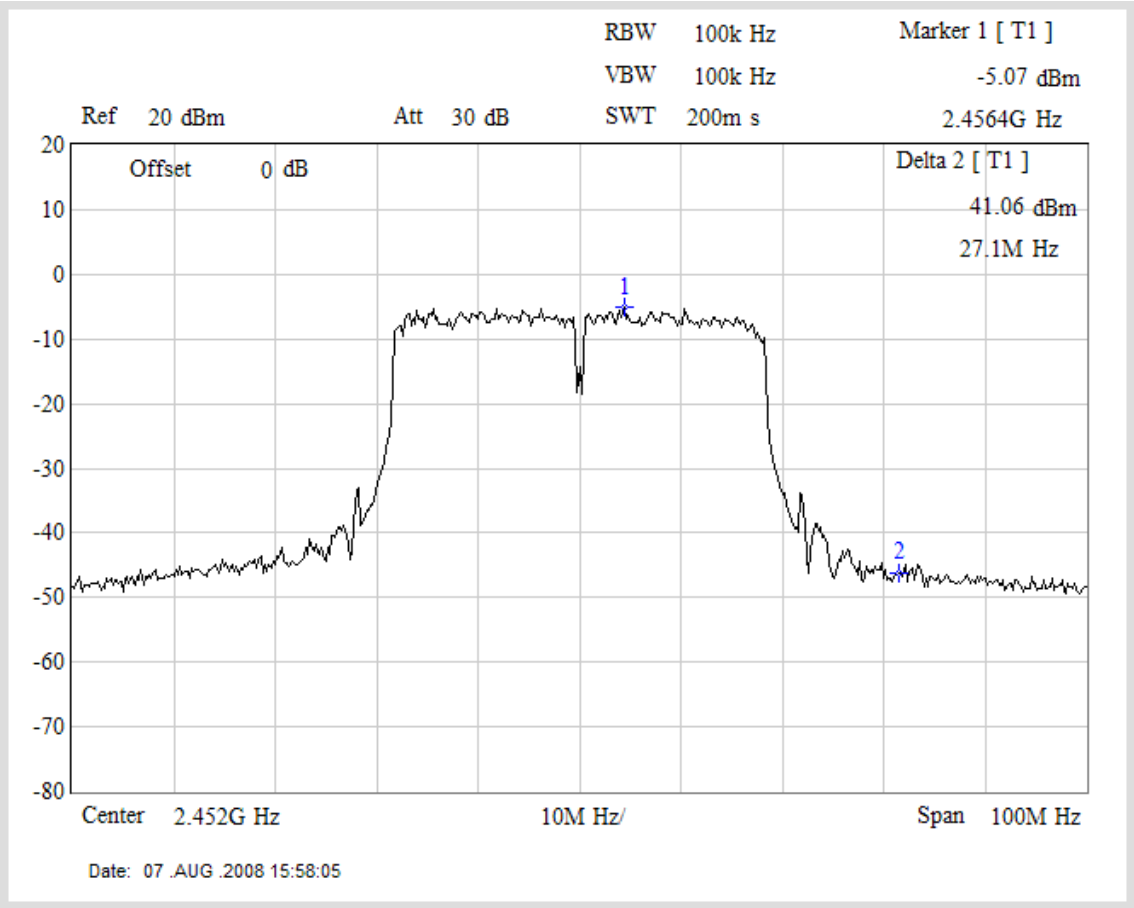
Product	ASUS SuperSpeedN Wireless Router		
Test Item	RF antenna conducted test		
Test Mode	Transmit		
Date of Test	2008/08/07	Test Site	No.1 OATS

IEEE 802.11n (ANT A (40MHz)), Antenna Gain: 4.7dBi, Duty Cycle: 1				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
3	2422	30.38	> 30	Pass
9	2452	41.06	> 30	Pass

Channel 3 (2422MHz)



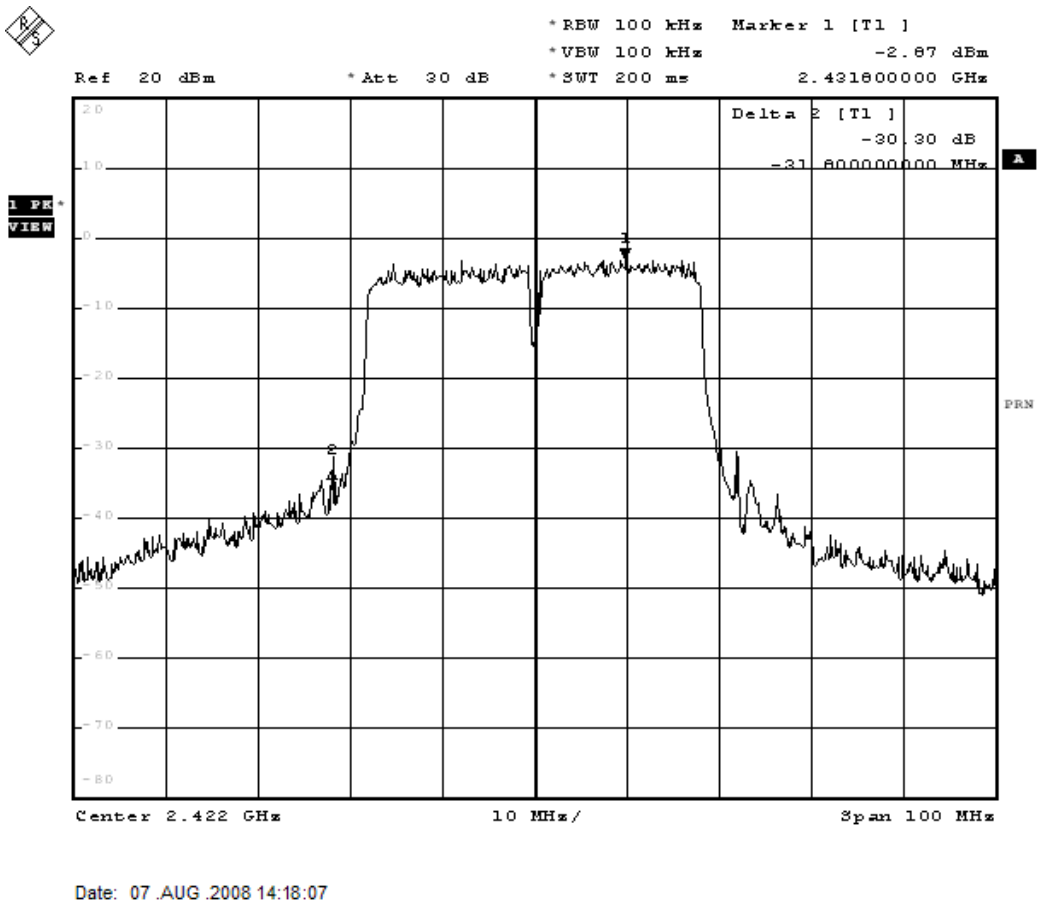
Channel 9 (2452MHz)



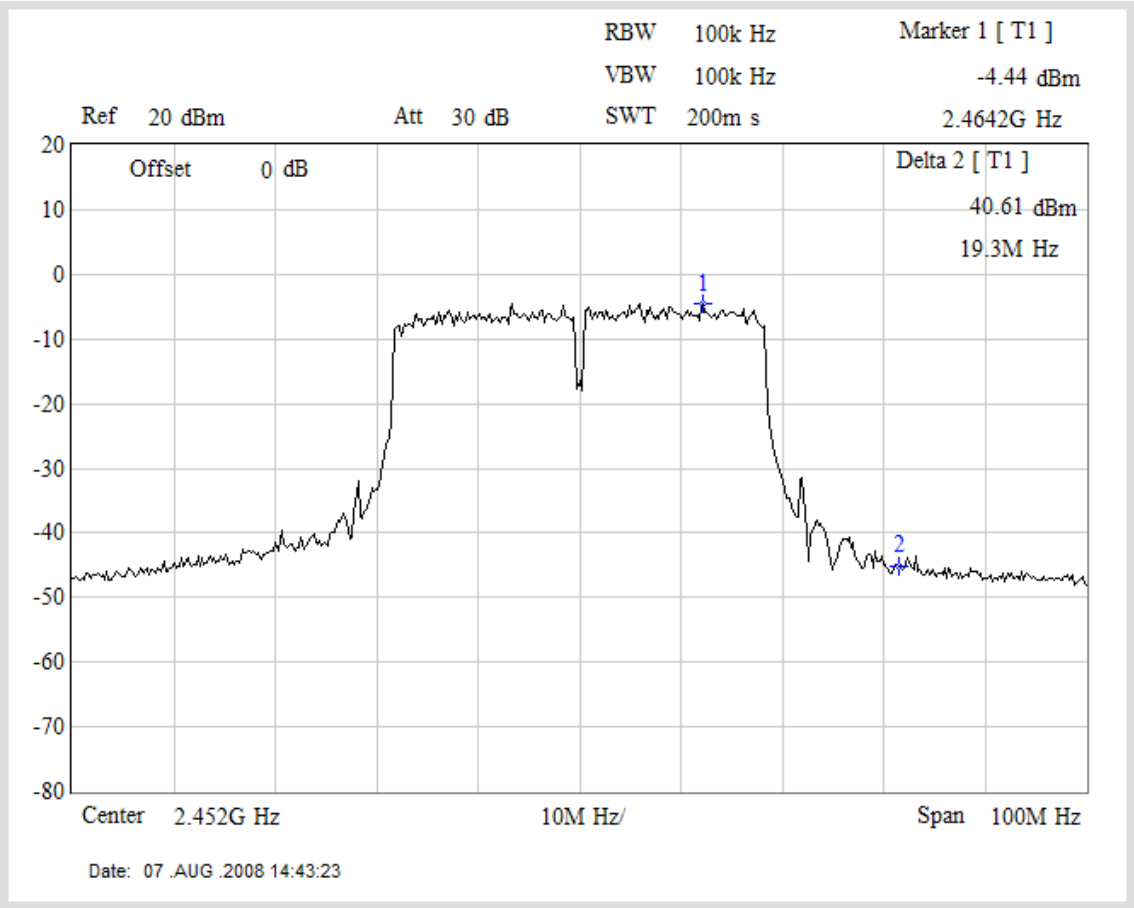
Product	ASUS SuperSpeedN Wireless Router		
Test Item	RF antenna conducted test		
Test Mode	Transmit		
Date of Test	2008/08/07	Test Site	No.1 OATS

IEEE 802.11n (ANT B (40MHz)), Antenna Gain: 4.3dBi, Duty Cycle: 1				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
3	2422	30.30	> 30	Pass
9	2452	40.61	> 30	Pass

Channel 3 (2422MHz)



Channel 9 (2452MHz)



6. Radiated Emission Band Edge

6.1. Test Equipment

The following test equipments are used during the test:

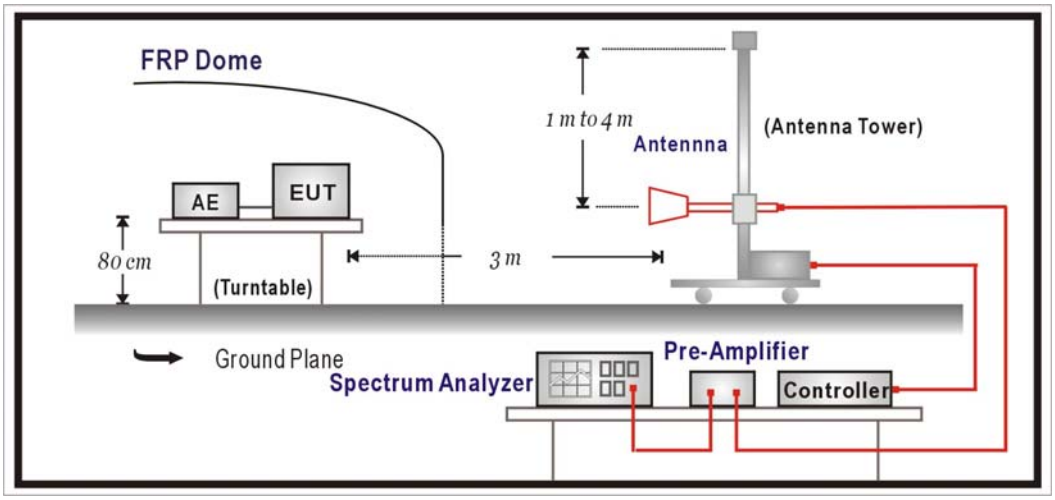
RF Radiated Measurement:					
Item	Equipment		Manufacturer	Model No. / Serial No.	Last Cal.
1	X	Spectrum Analyzer	R & S	FSP40 / 100005	Aug., 2008
2	X	Pre-Amplifier	HP	8449B / 3008A01123	Feb., 2008
3		Loop Antenna	R & S	HFH2-Z2 / 833799/004	Sep., 2007
4		BiconiLog Antenna	Schwarzbeck	VULB 9166 / 1061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

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

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

6.2. Test Setup

RF Radiated Measurement:



6.3. Limits

Emissions radiated outside of the specified frequency bands, except for harmonics, shall be attenuated by at least 20dB below the level of the fundamental or to the general radiated emission limits in paragraph 15.209, whichever is the lesser attenuation.

6.4. Test Procedure

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

6.5. Uncertainty

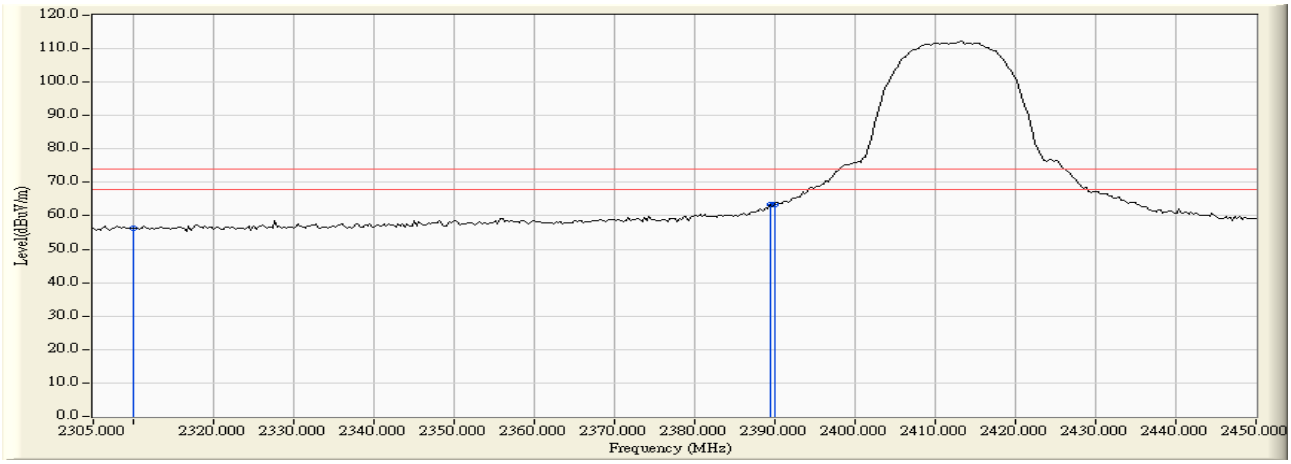
The measurement uncertainty

± 3.9 dB above 1GHz

6.6. Test Result

Radiated is defined as

Site : QuieTek Open SITE 1	**Time : 2008/08/07 - 19:39**
Limit : NCC_3.10.1_03M_PK	**Margin : 6**
Probe : CB4_ NCC_1-25G(2008-05) - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : ASUS SuperSpeedN Wireless Router	**Note : Tx-B-CH1**

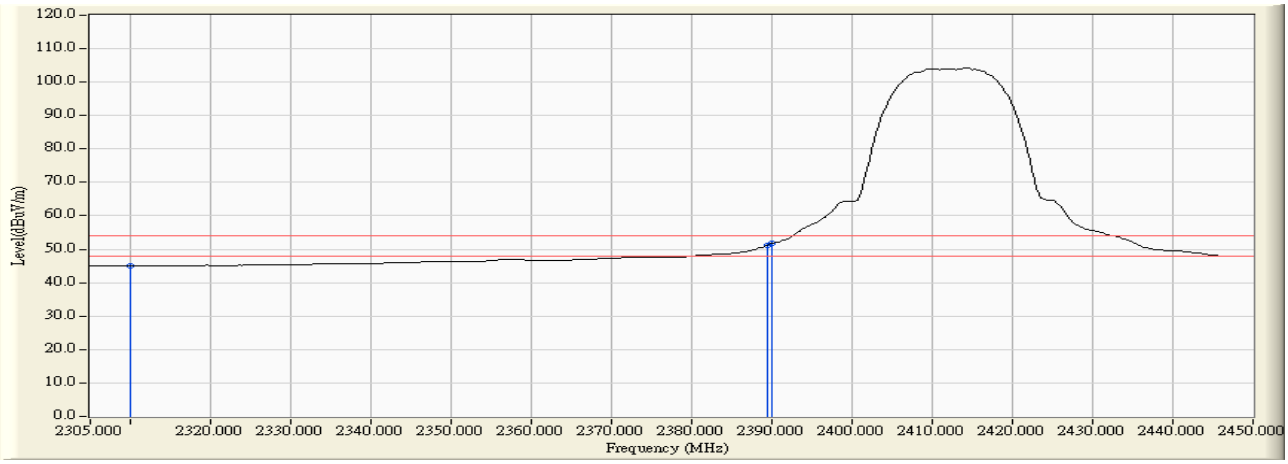


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)	Detector Type
1		2310.000	30.823	25.563	56.385	-17.615	74.000	54.000	PEAK
2	*	2389.390	31.085	32.307	63.392	-10.608	74.000	54.000	PEAK
3		2390.000	31.087	32.243	63.330	-10.670	74.000	54.000	PEAK

Note:

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

Site : QuieTek Open SITE 1	**Time : 2008/08/07 - 19:41**
Limit : NCC_3.10.1_03M_AV	**Margin : 6**
Probe : CB4_ NCC_1-25G(2008-05) - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : ASUS SuperSpeedN Wireless Router	**Note : Tx-B-CH1**

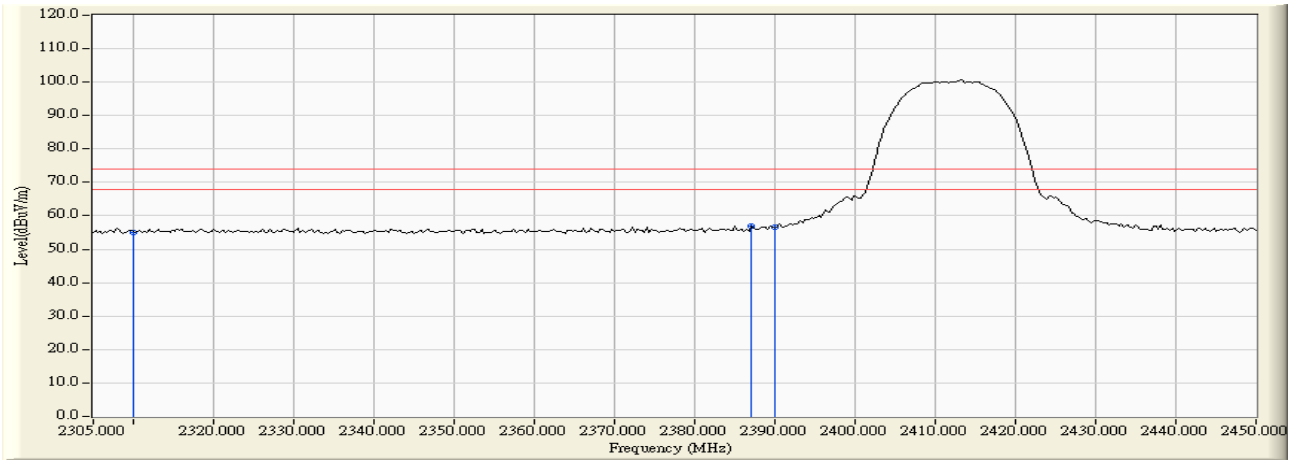


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)	Detector Type
1		2310.000	30.823	14.237	45.059	-8.941	74.000	54.000	AVERAGE
2	*	2389.390	31.085	20.070	51.155	-2.845	74.000	54.000	AVERAGE
3		2390.000	31.087	20.585	51.672	-2.328	74.000	54.000	AVERAGE

Note:

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

Site : QuieTek Open SITE 1	**Time : 2008/08/07 - 21:13**
Limit : NCC_3.10.1_03M_PK	**Margin : 6**
Probe : CB4_ NCC_1-25G(2008-05) - VERTICAL	**Power : AC 120V/60Hz**
EUT : ASUS SuperSpeedN Wireless Router	**Note : Tx-B-CH1**

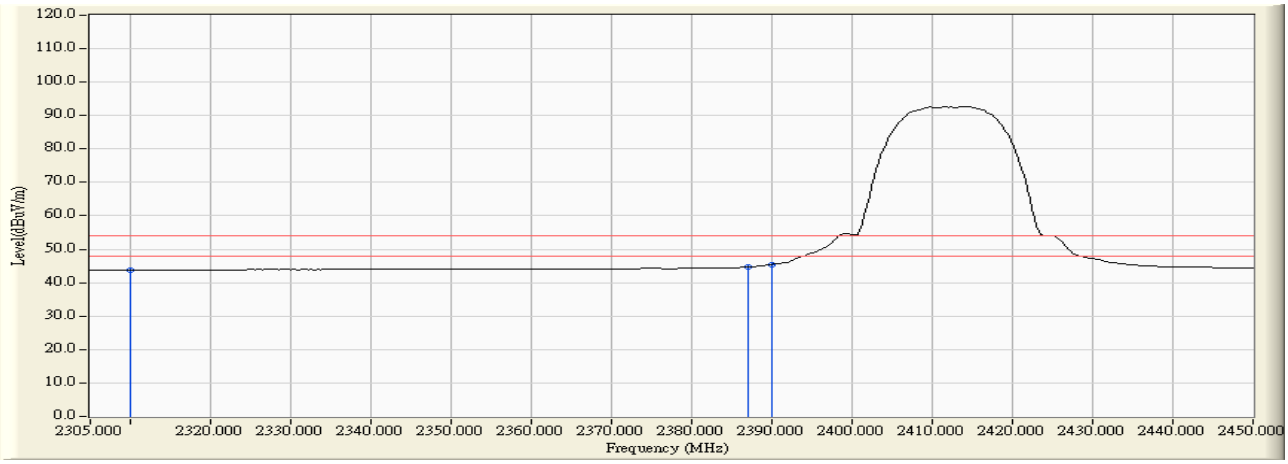


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)	Detector Type
1		2310.000	30.823	24.320	55.142	-18.858	74.000	54.000	PEAK
2	*	2387.070	31.077	25.899	56.976	-17.024	74.000	54.000	PEAK
3		2390.000	31.087	25.396	56.483	-17.517	74.000	54.000	PEAK

Note:

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

Site : QuieTek Open SITE 1	**Time : 2008/08/07 - 21:14**
Limit : NCC_3.10.1_03M_AV	**Margin : 6**
Probe : CB4_ NCC_1-25G(2008-05) - VERTICAL	**Power : AC 120V/60Hz**
EUT : ASUS SuperSpeedN Wireless Router	**Note : Tx-B-CH1**

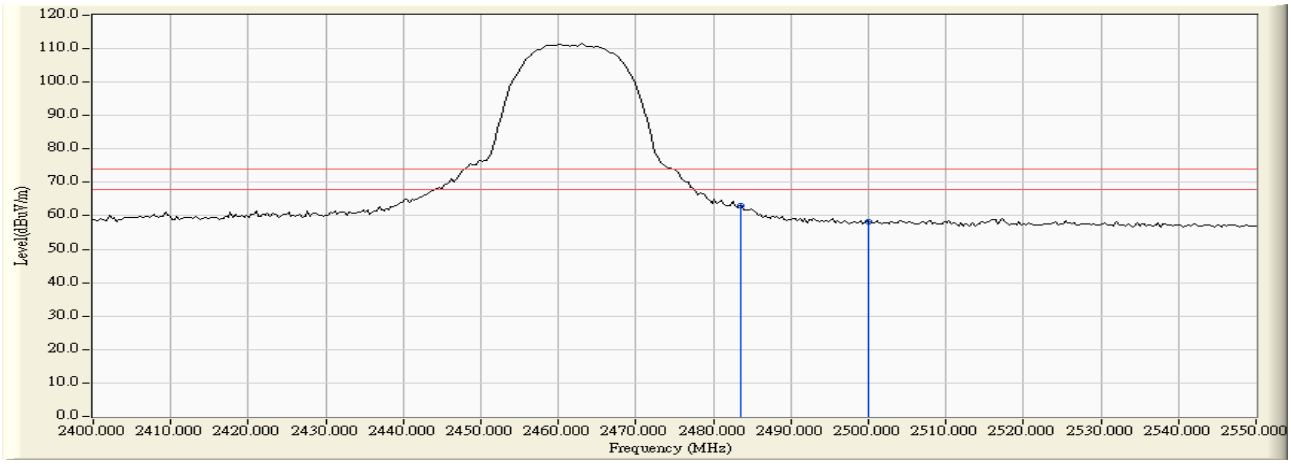


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)	Detector Type
1		2310.000	30.823	13.084	43.906	-10.094	74.000	54.000	AVERAGE
2	*	2387.070	31.077	13.611	44.688	-9.312	74.000	54.000	AVERAGE
3		2390.000	31.087	14.409	45.496	-8.504	74.000	54.000	AVERAGE

Note:

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

Site : QuieTek Open SITE 1	**Time : 2008/08/07 - 21:35**
Limit : NCC_3.10.1_03M_PK	**Margin : 6**
Probe : CB4_ NCC_1-25G(2008-05) - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : ASUS SuperSpeedN Wireless Router	**Note : Tx-B-CH11**

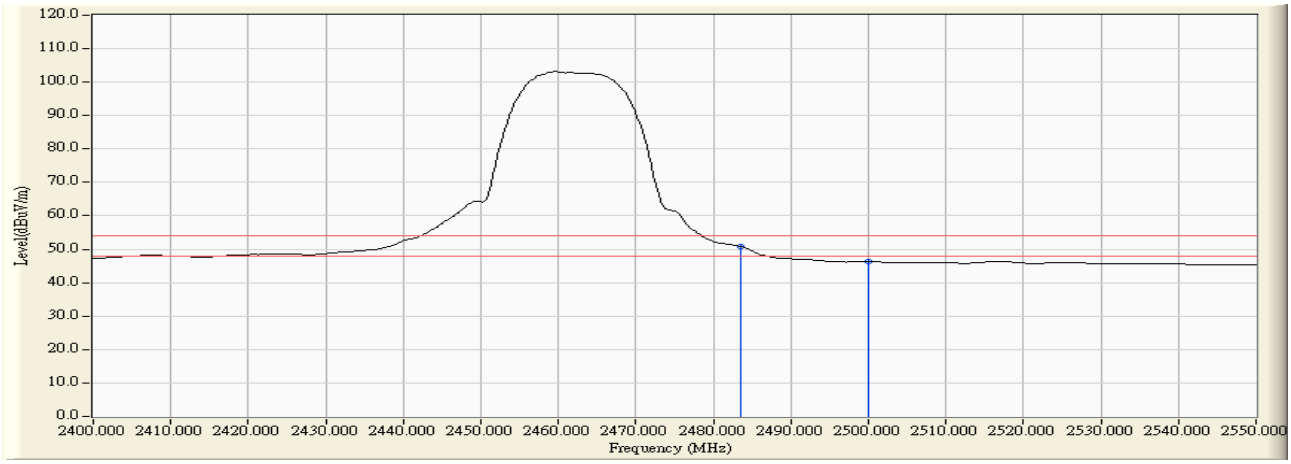


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)	Detector Type
1	*	2483.500	31.407	31.500	62.906	-11.094	74.000	54.000	PEAK
2		2500.000	31.456	26.847	58.303	-15.697	74.000	54.000	PEAK

Note:

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

Site : QuieTek Open SITE 1	**Time : 2008/08/07 - 21:38**
Limit : NCC_3.10.1_03M_AV	**Margin : 6**
Probe : CB4_ NCC_1-25G(2008-05) - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : ASUS SuperSpeedN Wireless Router	**Note : Tx-B-CH11**

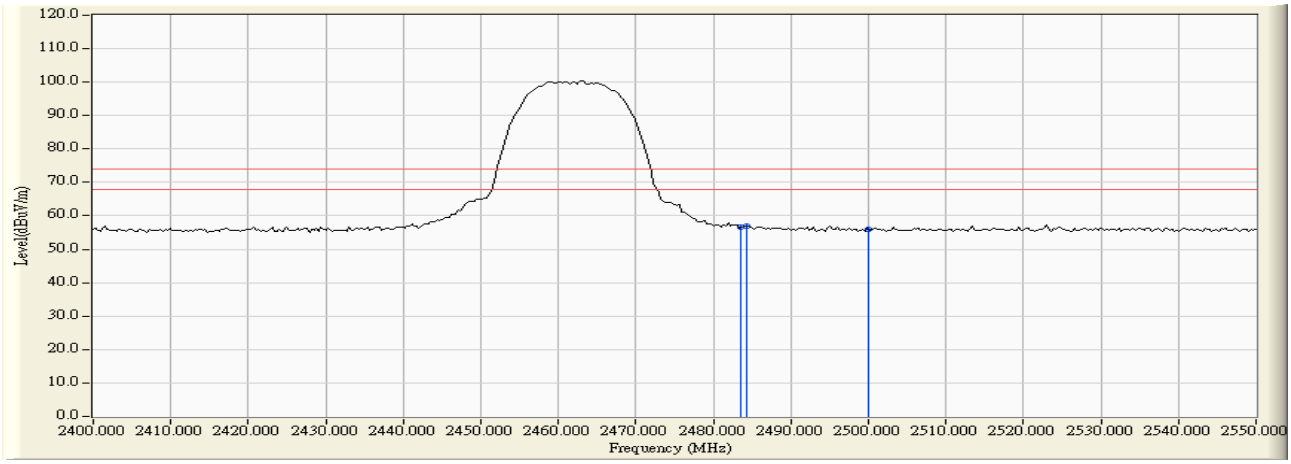


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)	Detector Type
1	*	2483.500	31.407	19.427	50.833	-3.167	74.000	54.000	AVERAGE
2		2500.000	31.456	14.774	46.230	-7.770	74.000	54.000	AVERAGE

Note:

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

Site : QuieTek Open SITE 1	**Time : 2008/08/08 - 13:45**
Limit : NCC_3.10.1_03M_PK	**Margin : 6**
Probe : CB4_ NCC_1-25G(2008-05) - VERTICAL	**Power : AC 120V/60Hz**
EUT : ASUS SuperSpeedN Wireless Router	**Note : Tx-B-CH11**

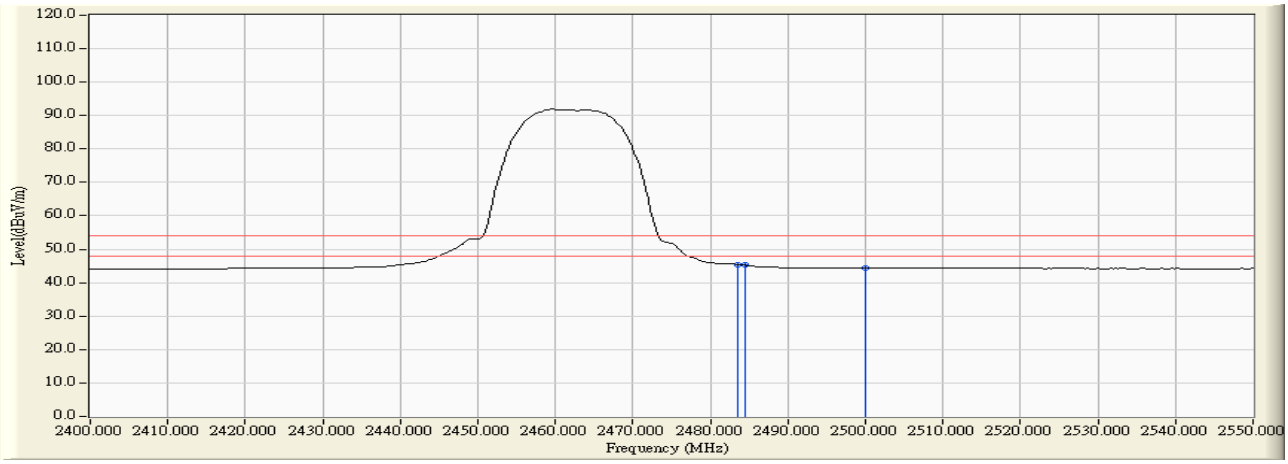


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)	Detector Type
1		2483.500	31.407	25.080	56.486	-17.514	74.000	54.000	PEAK
2	*	2484.300	31.409	25.487	56.896	-17.104	74.000	54.000	PEAK
3		2500.000	31.456	24.559	56.015	-17.985	74.000	54.000	PEAK

Note:

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

Site : QuieTek Open SITE 1	**Time : 2008/08/08 - 13:47**
Limit : NCC_3.10.1_03M_AV	**Margin : 6**
Probe : CB4_ NCC_1-25G(2008-05) - VERTICAL	**Power : AC 120V/60Hz**
EUT : ASUS SuperSpeedN Wireless Router	**Note : Tx-B-CH11**

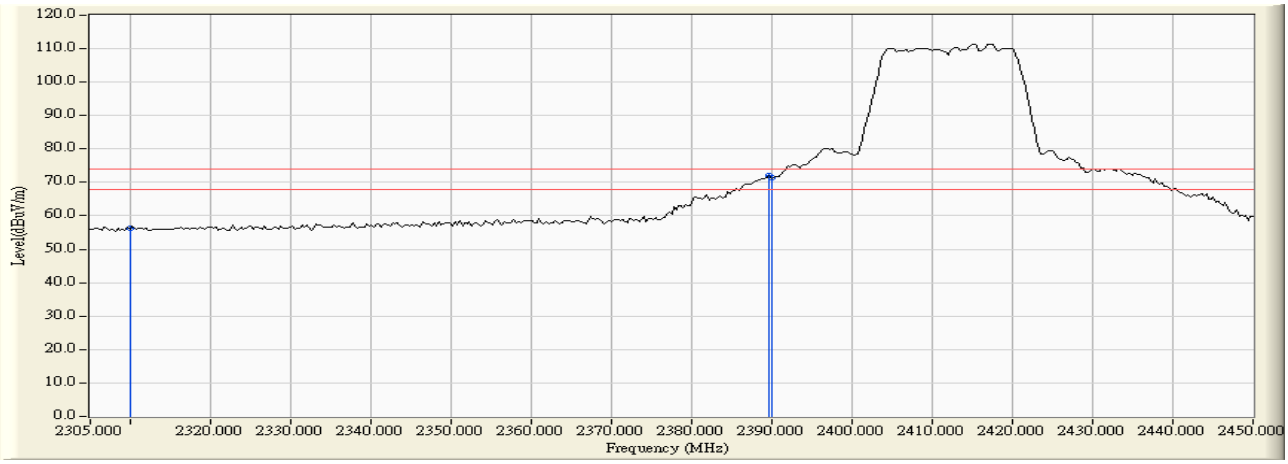


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)	Detector Type
1		2483.500	31.407	14.054	45.460	-8.540	74.000	54.000	AVERAGE
2	*	2484.400	31.409	13.815	45.224	-8.776	74.000	54.000	AVERAGE
3		2500.000	31.456	12.918	44.374	-9.626	74.000	54.000	AVERAGE

Note:

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

Site : QuieTek Open SITE 1	**Time : 2008/08/07 - 19:50**
Limit : NCC_3.10.1_03M_PK	**Margin : 6**
Probe : CB4_ NCC_1-25G(2008-05) - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : ASUS SuperSpeedN Wireless Router	**Note : Tx-G-CH1**

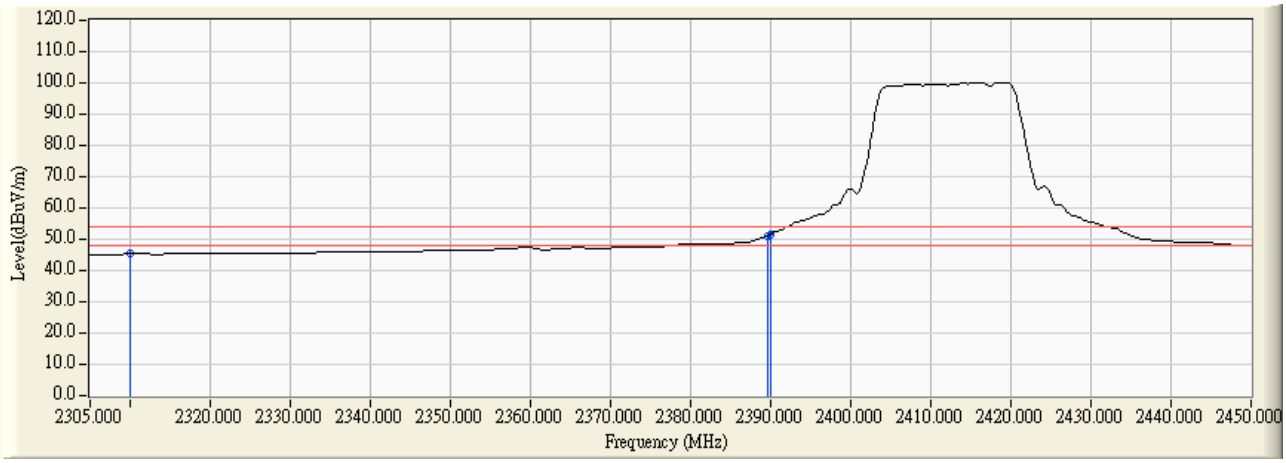


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)	Detector Type
1		2310.000	30.823	25.370	56.192	-17.808	74.000	54.000	PEAK
2	*	2389.680	31.085	40.977	72.063	-1.937	74.000	54.000	PEAK
3		2390.000	31.087	40.193	71.280	-2.720	74.000	54.000	PEAK

Note:

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

Site : QuieTek Open SITE 1	**Time : 2008/08/07 - 19:51**
Limit : FCC_15.209(961011)_03M_AV	**Margin : 6**
Probe : CB4_FCC_1-18G(2008-05) - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : ASUS SuperSpeedN Wireless Router	**Note : Tx-G-CH1**

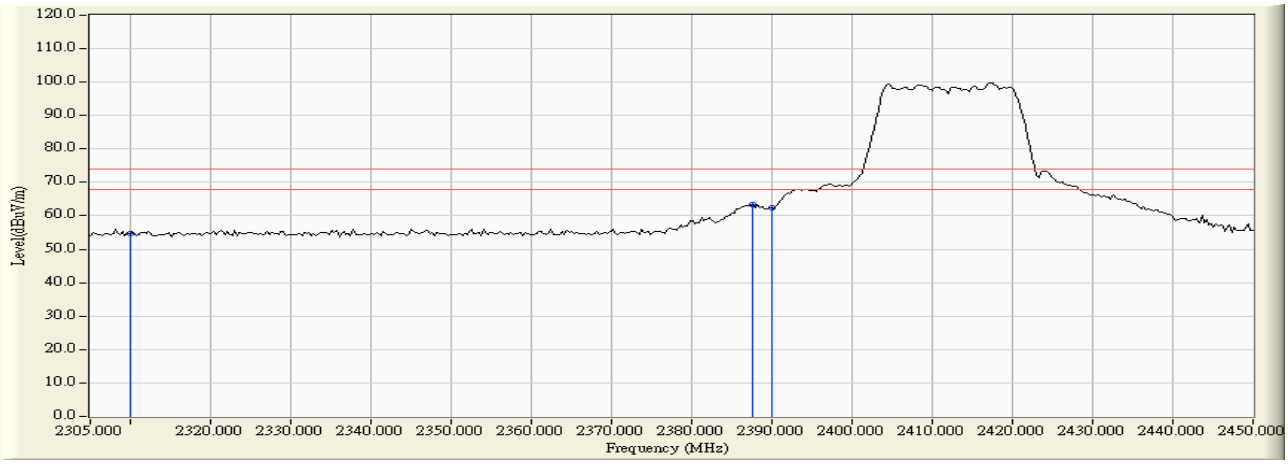


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)	Detector Type
1		2310.000	30.823	14.471	45.293	-8.707	74.000	54.000	AVERAGE
2	*	2389.680	31.085	20.104	51.190	-2.810	74.000	54.000	AVERAGE
3		2390.000	31.087	20.542	51.629	-2.371	74.000	54.000	AVERAGE

Note:

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

Site : QuieTek Open SITE 1	**Time : 2008/08/07 - 21:17**
Limit : NCC_3.10.1_03M_PK	**Margin : 6**
Probe : CB4_ NCC_1-25G(2008-05) - VERTICAL	**Power : AC 120V/60Hz**
EUT : ASUS SuperSpeedN Wireless Router	**Note : Tx-G-CH1**

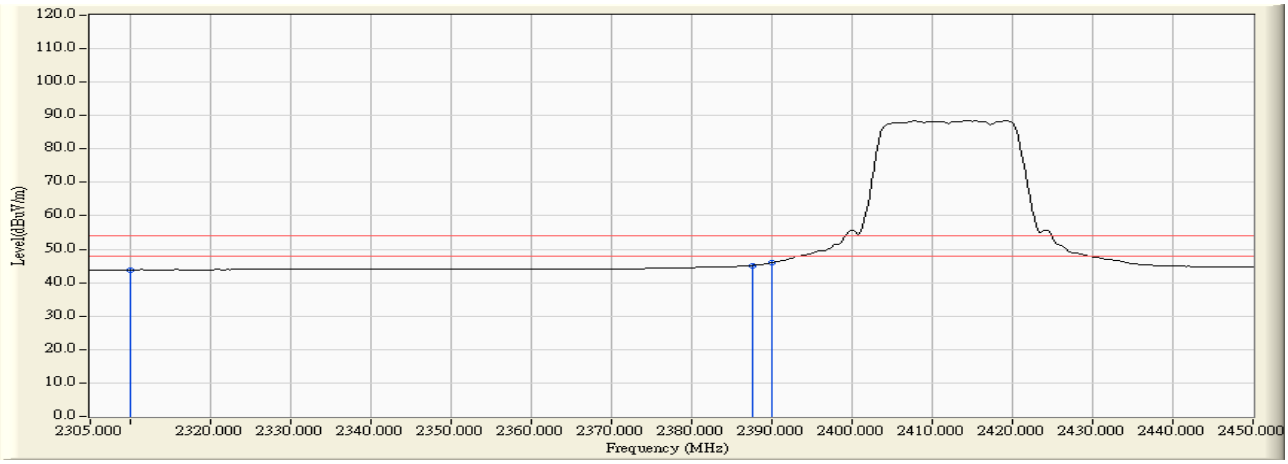


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)	Detector Type
1		2310.000	30.823	23.753	54.575	-19.425	74.000	54.000	PEAK
2	*	2387.650	31.079	32.255	63.334	-10.666	74.000	54.000	PEAK
3		2390.000	31.087	31.377	62.464	-11.536	74.000	54.000	PEAK

Note:

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

Site : QuieTek Open SITE 1	**Time : 2008/08/07 - 21:20**
Limit : NCC_3.10.1_03M_AV	**Margin : 6**
Probe : CB4_ NCC_1-25G(2008-05) - VERTICAL	**Power : AC 120V/60Hz**
EUT : ASUS SuperSpeedN Wireless Router	**Note : Tx-G-CH1**

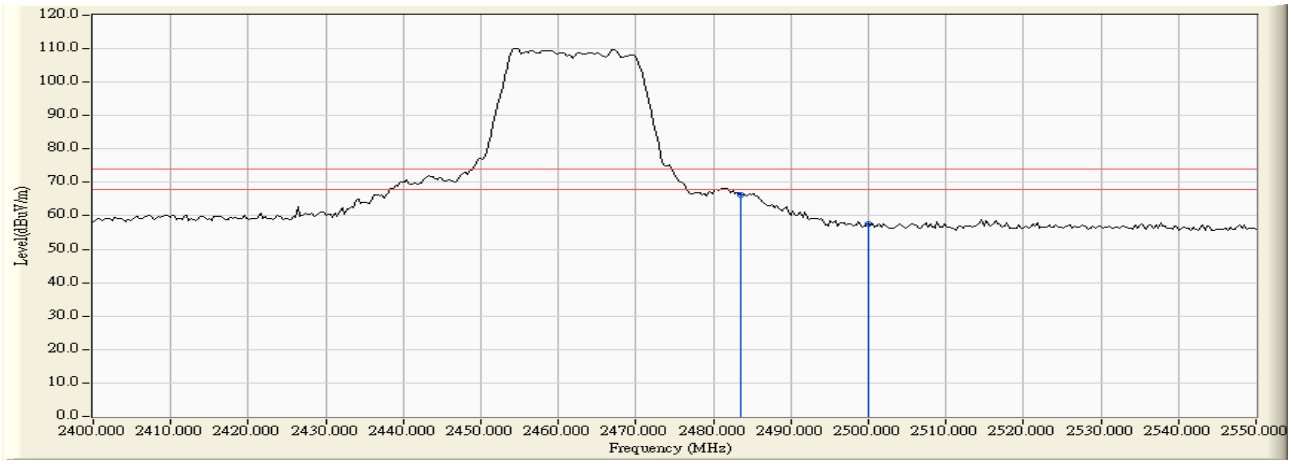


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)	Detector Type
1		2310.000	30.823	13.075	43.897	-10.103	74.000	54.000	AVERAGE
2	*	2387.650	31.079	14.065	45.144	-8.856	74.000	54.000	AVERAGE
3		2390.000	31.087	14.823	45.910	-8.090	74.000	54.000	AVERAGE

Note:

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

Site : QuieTek Open SITE 1	**Time : 2008/08/07 - 21:39**
Limit : NCC_3.10.1_03M_PK	**Margin : 6**
Probe : CB4_ NCC_1-25G(2008-05) - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : ASUS SuperSpeedN Wireless Router	**Note : Tx-G-CH11**

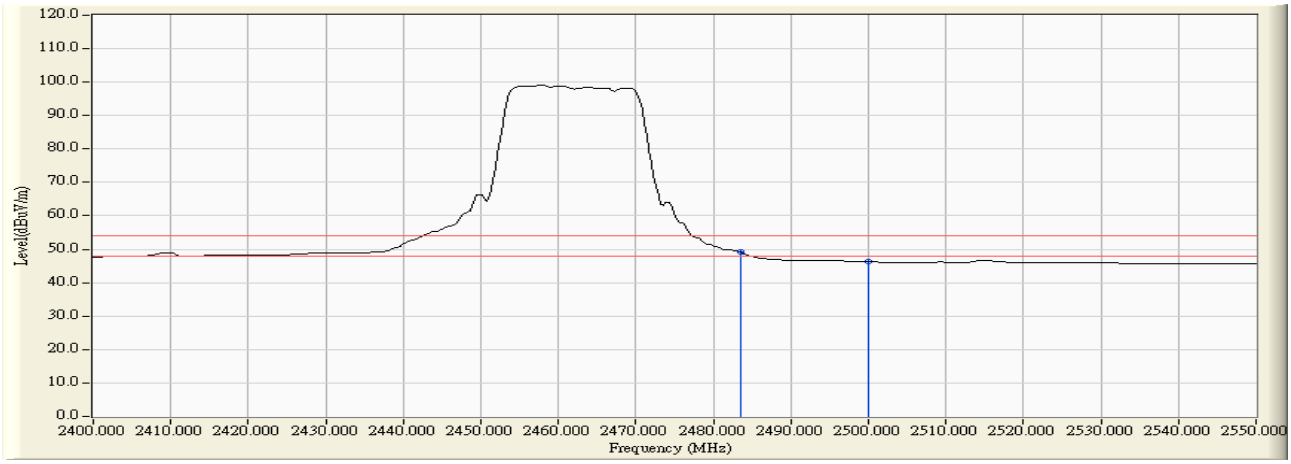


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)	Detector Type
1	*	2483.500	31.407	35.011	66.417	-7.583	74.000	54.000	PEAK
2		2500.000	31.456	26.097	57.553	-16.447	74.000	54.000	PEAK

Note:

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

Site : QuieTek Open SITE 1	**Time : 2008/08/07 - 21:40**
Limit : NCC_3.10.1_03M_AV	**Margin : 6**
Probe : CB4_ NCC_1-25G(2008-05) - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : ASUS SuperSpeedN Wireless Router	**Note : Tx-G-CH11**

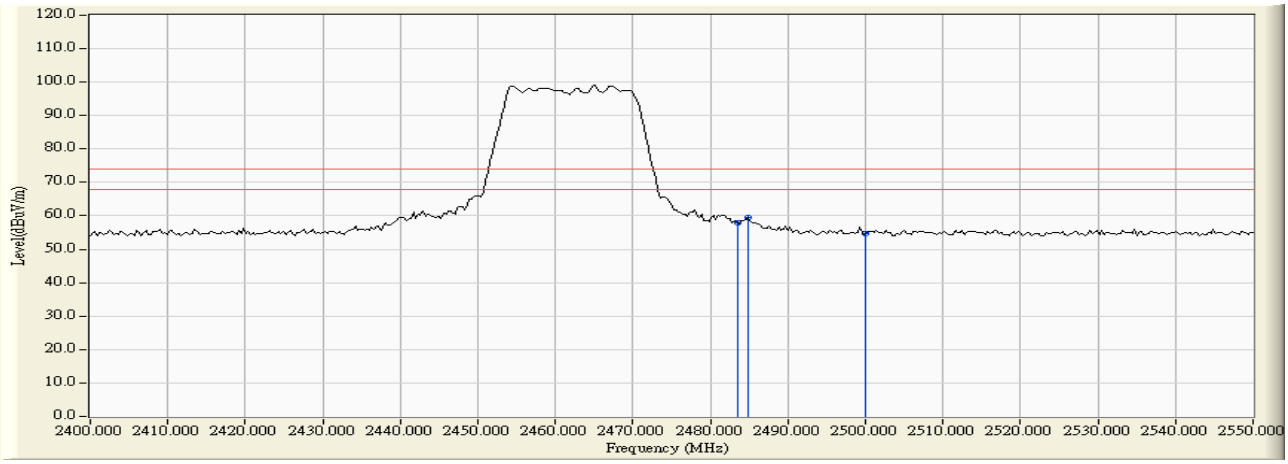


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)	Detector Type
1	*	2483.500	31.407	17.728	49.134	-4.866	74.000	54.000	AVERAGE
2		2500.000	31.456	14.751	46.207	-7.793	74.000	54.000	AVERAGE

Note:

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

Site : QuieTek Open SITE 1	**Time : 2008/08/08 - 13:49**
Limit : NCC_3.10.1_03M_PK	**Margin : 6**
Probe : CB4_ NCC_1-25G(2008-05) - VERTICAL	**Power : AC 120V/60Hz**
EUT : ASUS SuperSpeedN Wireless Router	**Note : Tx-G-CH11**

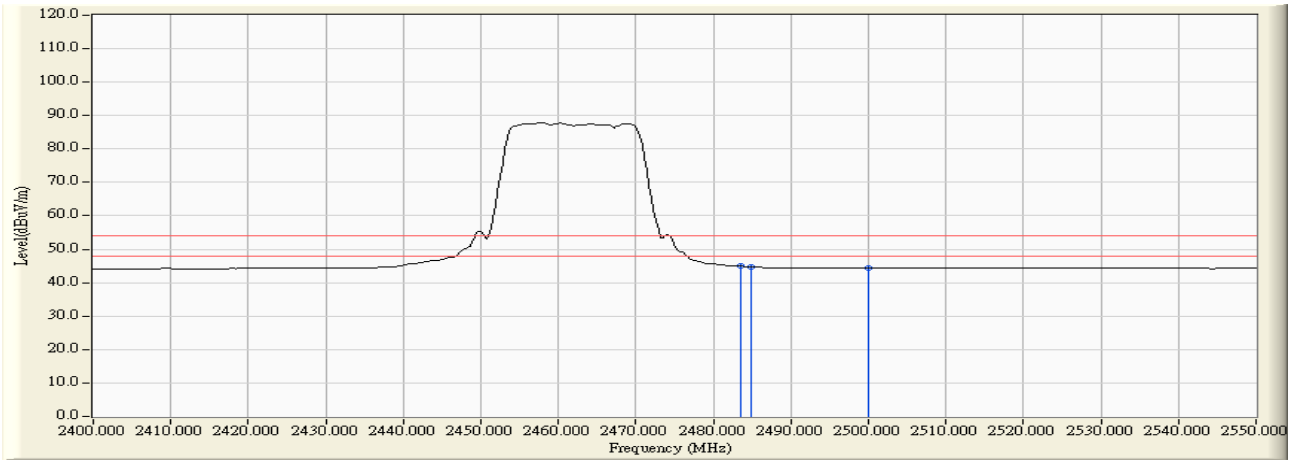


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)	Detector Type
1		2483.500	31.407	26.616	58.022	-15.978	74.000	54.000	PEAK
2	*	2484.900	31.410	28.031	59.442	-14.558	74.000	54.000	PEAK
3		2500.000	31.456	23.164	54.620	-19.380	74.000	54.000	PEAK

Note:

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

Site : QuieTek Open SITE 1	**Time : 2008/08/08 - 13:50**
Limit : NCC_3.10.1_03M_AV	**Margin : 6**
Probe : CB4_ NCC_1-25G(2008-05) - VERTICAL	**Power : AC 120V/60Hz**
EUT : ASUS SuperSpeedN Wireless Router	**Note : Tx-G-CH11**

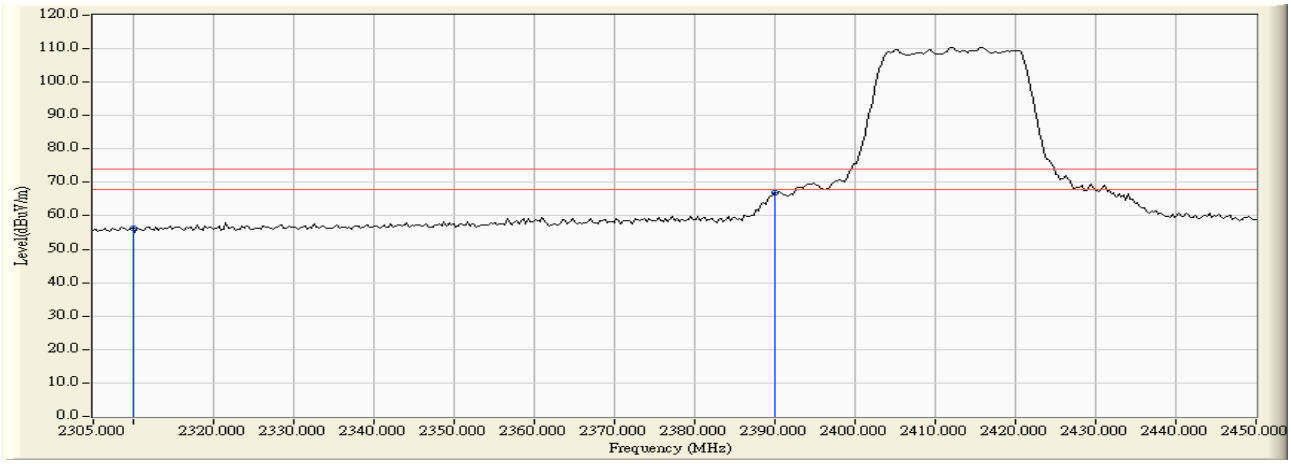


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)	Detector Type
1		2483.500	31.407	13.588	44.994	-9.006	74.000	54.000	AVERAGE
2	*	2484.900	31.410	13.254	44.665	-9.335	74.000	54.000	AVERAGE
3		2500.000	31.456	12.934	44.390	-9.610	74.000	54.000	AVERAGE

Note:

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

Site : QuieTek Open SITE 1	**Time : 2008/08/07 - 19:57**
Limit : NCC_3.10.1_03M_PK	**Margin : 6**
Probe : CB4_ NCC_1-25G(2008-05) - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : ASUS SuperSpeedN Wireless Router	**Note : Tx-N-CH1-20MHz_2Tx**

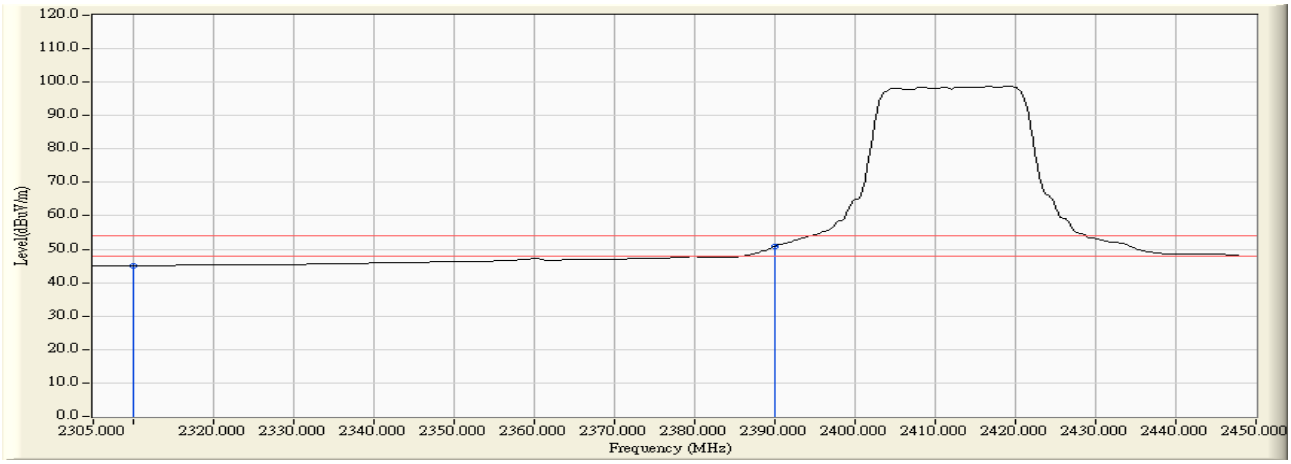


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)	Detector Type
1		2310.000	30.823	25.418	56.240	-17.760	74.000	54.000	PEAK
2	*	2390.000	31.087	35.740	66.827	-7.173	74.000	54.000	PEAK

Note:

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

Site : QuieTek Open SITE 1	**Time : 2008/08/07 - 20:04**
Limit : NCC_3.10.1_03M_AV	**Margin : 6**
Probe : CB4_ NCC_1-25G(2008-05) - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : ASUS SuperSpeedN Wireless Router	**Note : Tx-N-CH1-20MHz_2Tx**

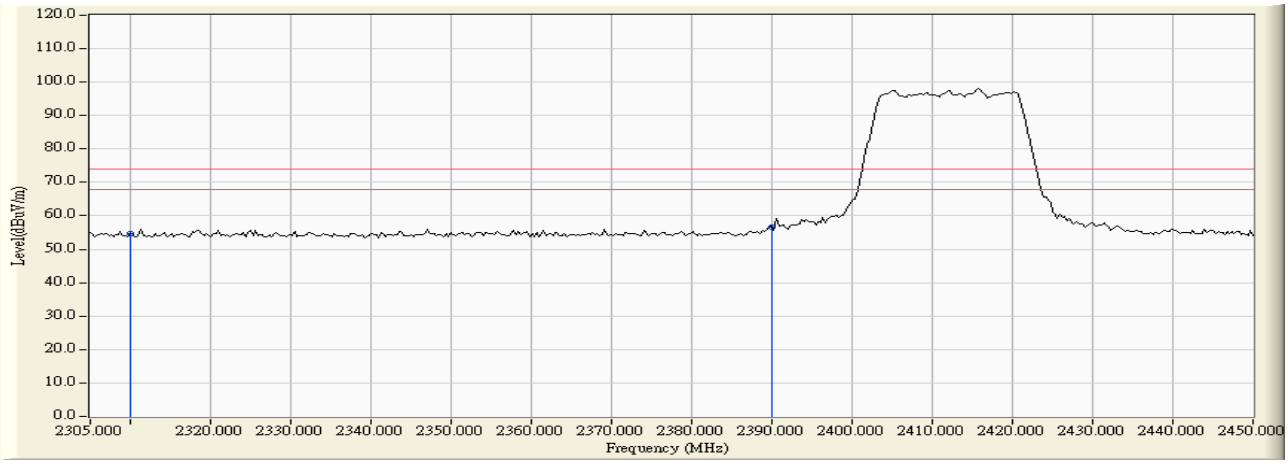


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)	Detector Type
1		2310.000	30.823	14.344	45.166	-8.834	74.000	54.000	AVERAGE
2	*	2390.000	31.087	19.824	50.911	-3.089	74.000	54.000	AVERAGE

Note:

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

Site : QuieTek Open SITE 1	**Time : 2008/08/07 - 21:23**
Limit : NCC_3.10.1_03M_PK	**Margin : 6**
Probe : CB4_ NCC_1-25G(2008-05) - VERTICAL	**Power : AC 120V/60Hz**
EUT : ASUS SuperSpeedN Wireless Router	**Note : Tx-N-CH1-20MHz_2Tx**

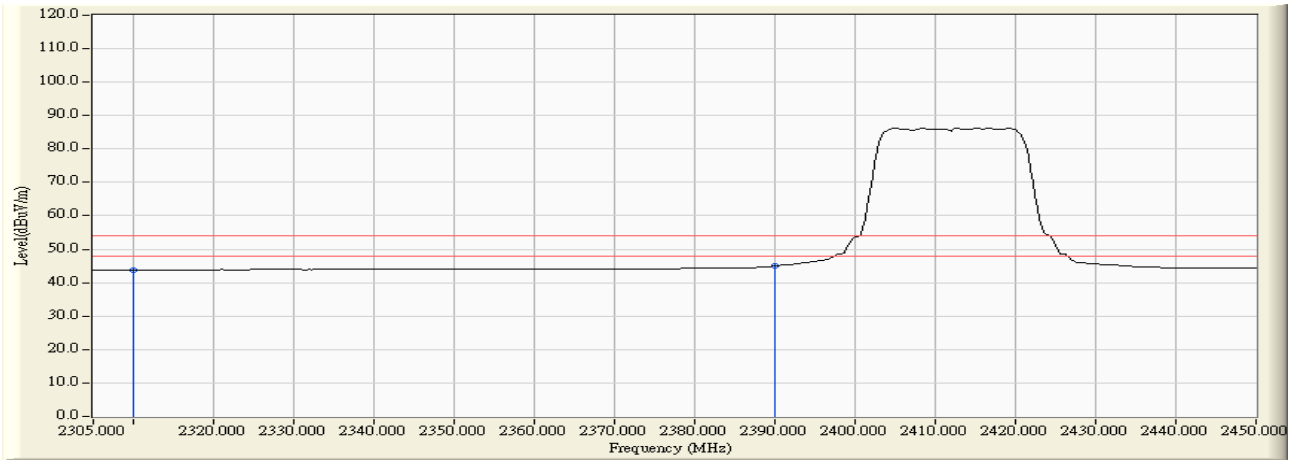


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)	Detector Type
1		2310.000	30.823	23.956	54.778	-19.222	74.000	54.000	PEAK
2	*	2390.000	31.087	25.606	56.693	-17.307	74.000	54.000	PEAK

Note:

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

Site : QuieTek Open SITE 1	**Time : 2008/08/07 - 21:25**
Limit : NCC_3.10.1_03M_AV	**Margin : 6**
Probe : CB4_ NCC_1-25G(2008-05) - VERTICAL	**Power : AC 120V/60Hz**
EUT : ASUS SuperSpeedN Wireless Router	**Note : Tx-N-CH1-20MHz_2Tx**

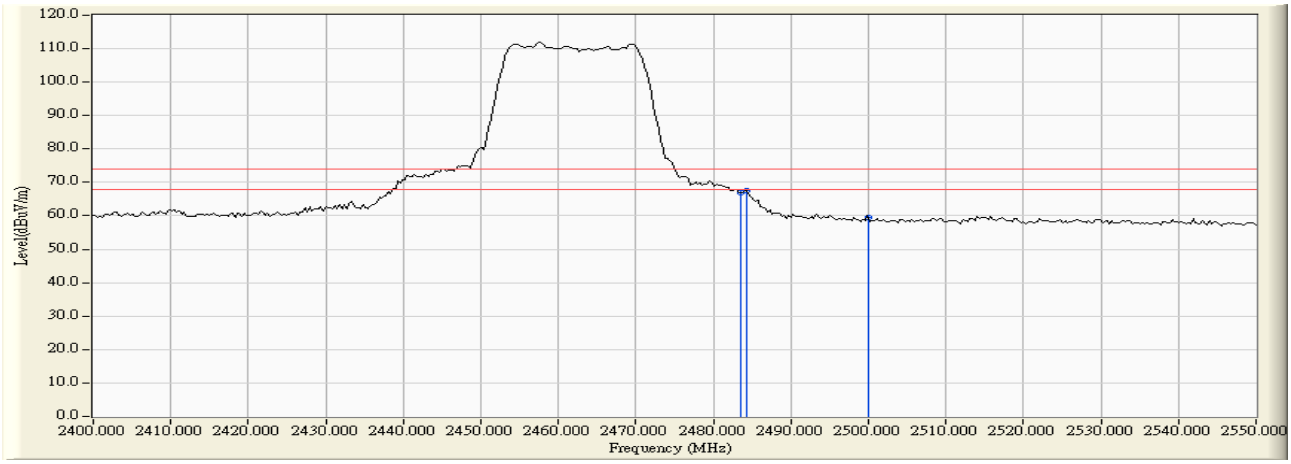


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)	Detector Type
1		2310.000	30.823	13.064	43.886	-10.114	74.000	54.000	AVERAGE
2	*	2390.000	31.087	13.988	45.075	-8.925	74.000	54.000	AVERAGE

Note:

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

Site : QuieTek Open SITE 1	**Time : 2008/08/07 - 21:42**
Limit : NCC_3.10.1_03M_PK	**Margin : 6**
Probe : CB4_ NCC_1-25G(2008-05) - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : ASUS SuperSpeedN Wireless Router	**Note : Tx-N-CH11-20MHz_2Tx**

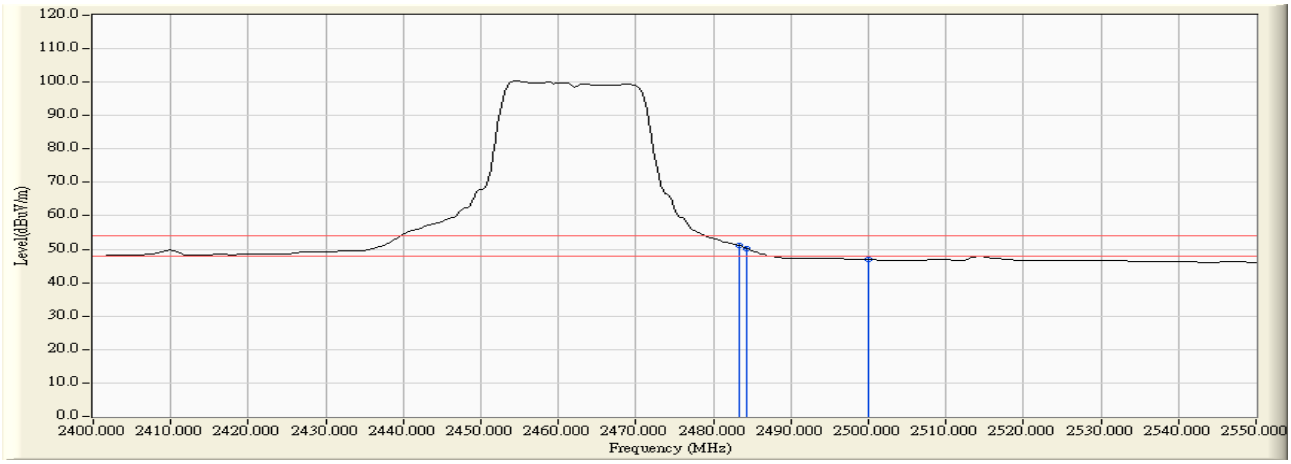


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)	Detector Type
1		2483.500	31.407	35.553	66.959	-7.041	74.000	54.000	PEAK
2	*	2484.300	31.409	36.186	67.595	-6.405	74.000	54.000	PEAK
3		2500.000	31.456	28.093	59.549	-14.451	74.000	54.000	PEAK

Note:

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

Site : QuieTek Open SITE 1	**Time : 2008/08/07 - 21:46**
Limit : NCC_3.10.1_03M_AV	**Margin : 6**
Probe : CB4_ NCC_1-25G(2008-05) - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : ASUS SuperSpeedN Wireless Router	**Note : Tx-N-CH11-20MHz_2Tx**

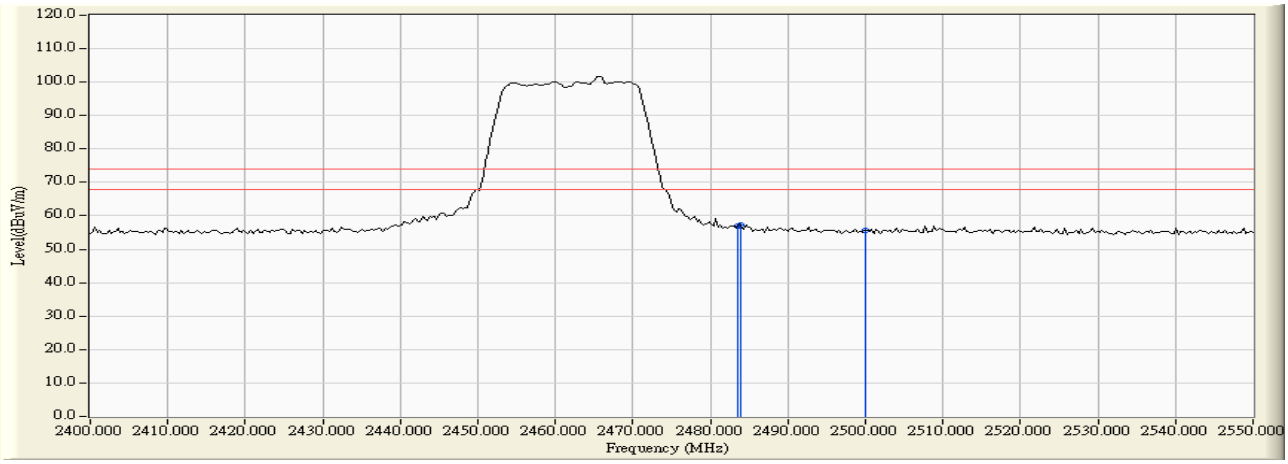


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)	Detector Type
1		2483.300	31.406	19.806	51.212	-2.788	74.000	54.000	AVERAGE
2	*	2484.300	31.409	18.906	50.315	-3.685	74.000	54.000	AVERAGE
3		2500.000	31.456	15.360	46.816	-7.184	74.000	54.000	AVERAGE

Note:

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

Site : QuieTek Open SITE 1	**Time : 2008/08/08 - 13:52**
Limit : NCC_3.10.1_03M_PK	**Margin : 6**
Probe : CB4_ NCC_1-25G(2008-05) - VERTICAL	**Power : AC 120V/60Hz**
EUT : ASUS SuperSpeedN Wireless Router	**Note : Tx-N-CH11-20MHz_2Tx**

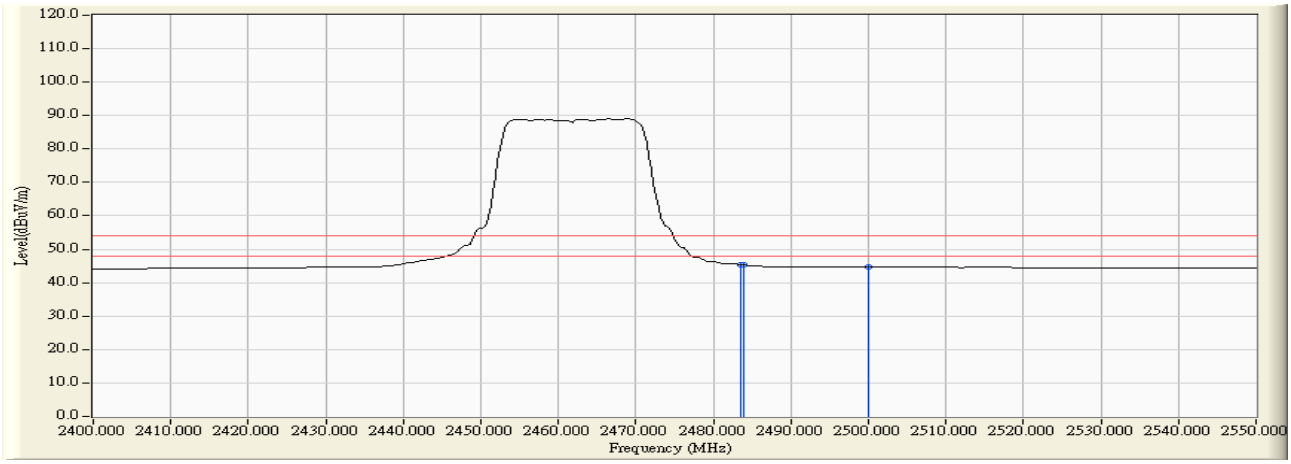


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)	Detector Type
1		2483.500	31.407	25.402	56.808	-17.192	74.000	54.000	PEAK
2	*	2484.000	31.408	25.952	57.360	-16.640	74.000	54.000	PEAK
3		2500.000	31.456	24.135	55.591	-18.409	74.000	54.000	PEAK

Note:

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

Site : QuieTek Open SITE 1	**Time : 2008/08/08 - 13:54**
Limit : NCC_3.10.1_03M_AV	**Margin : 6**
Probe : CB4_ NCC_1-25G(2008-05) - VERTICAL	**Power : AC 120V/60Hz**
EUT : ASUS SuperSpeedN Wireless Router	**Note : Tx-N-CH11-20MHz_2Tx**

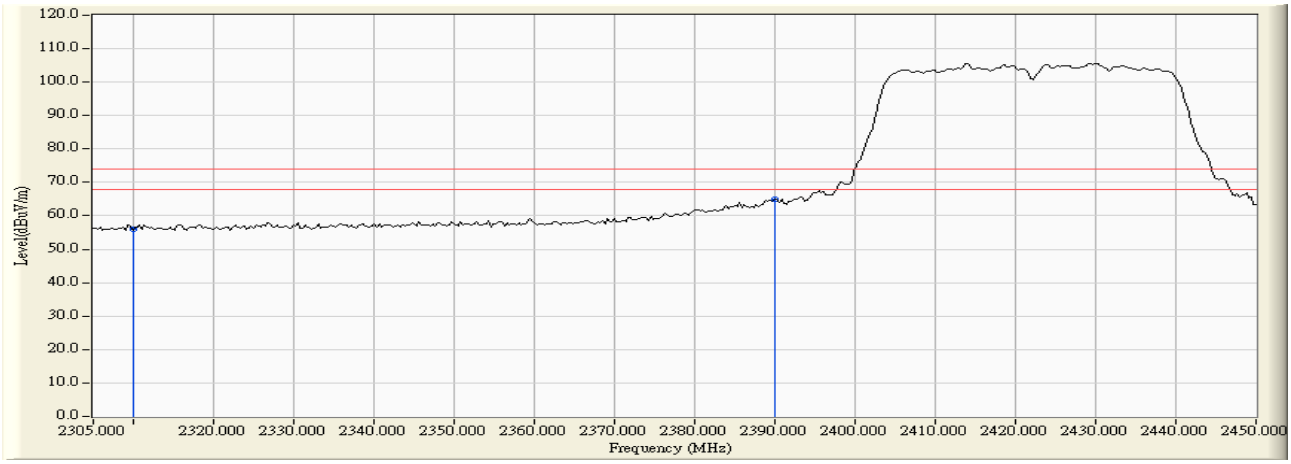


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)	Detector Type
1		2483.500	31.407	14.060	45.466	-8.534	74.000	54.000	AVERAGE
2	*	2484.000	31.408	13.904	45.312	-8.688	74.000	54.000	AVERAGE
3		2500.000	31.456	13.186	44.642	-9.358	74.000	54.000	AVERAGE

Note:

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

Site : QuieTek Open SITE 1	**Time : 2008/08/07 - 21:06**
Limit : NCC_3.10.1_03M_PK	**Margin : 6**
Probe : CB4_ NCC_1-25G(2008-05) - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : ASUS SuperSpeedN Wireless Router	**Note : Tx-N-CH3-40MHz_2Tx**

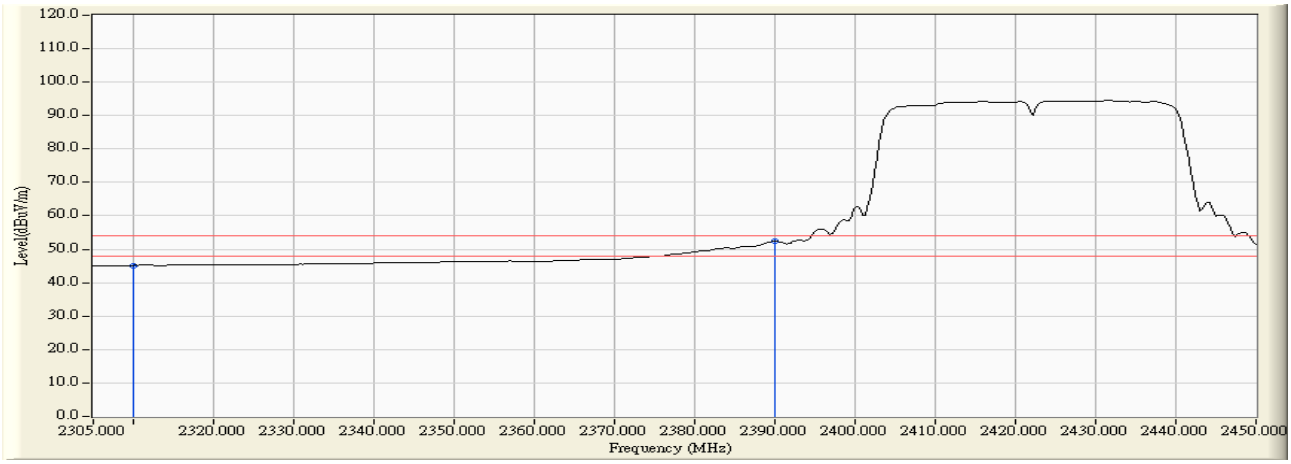


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)	Detector Type
1		2310.000	30.823	25.067	55.889	-18.111	74.000	54.000	PEAK
2	*	2390.000	31.087	33.895	64.982	-9.018	74.000	54.000	PEAK

Note:

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

Site : QuieTek Open SITE 1	**Time : 2008/08/07 - 21:08**
Limit : NCC_3.10.1_03M_AV	**Margin : 6**
Probe : CB4_ NCC_1-25G(2008-05) - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : ASUS SuperSpeedN Wireless Router	**Note : Tx-N-CH3-40MHz_2Tx**

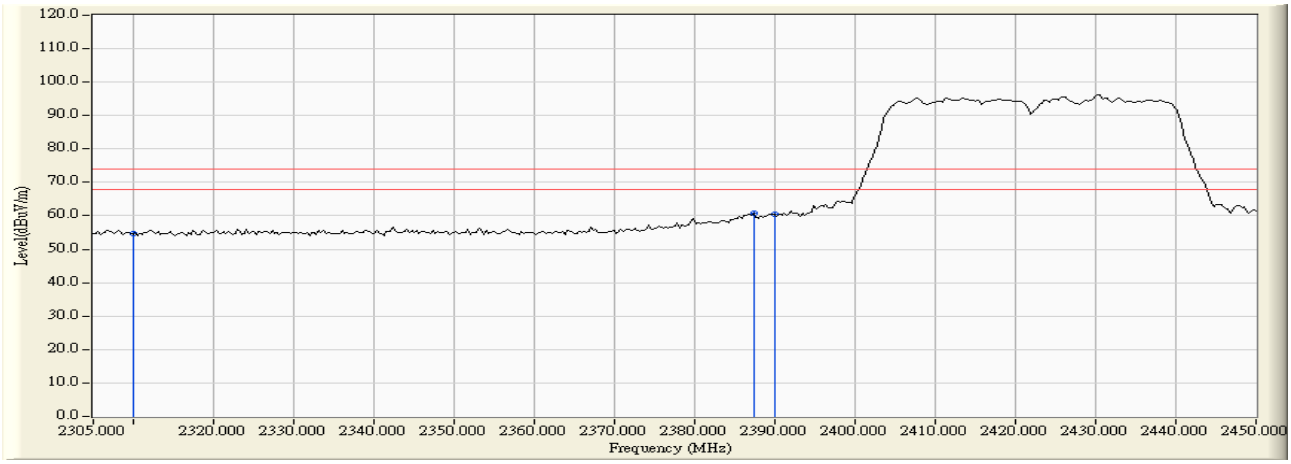


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)	Detector Type
1		2310.000	30.823	14.372	45.194	-8.806	74.000	54.000	AVERAGE
2	*	2390.000	31.087	21.311	52.398	-1.602	74.000	54.000	AVERAGE

Note:

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

Site : QuieTek Open SITE 1	**Time : 2008/08/07 - 21:26**
Limit : NCC_3.10.1_03M_PK	**Margin : 6**
Probe : CB4_ NCC_1-25G(2008-05) - VERTICAL	**Power : AC 120V/60Hz**
EUT : ASUS SuperSpeedN Wireless Router	**Note : Tx-N-CH3-40MHz_2Tx**

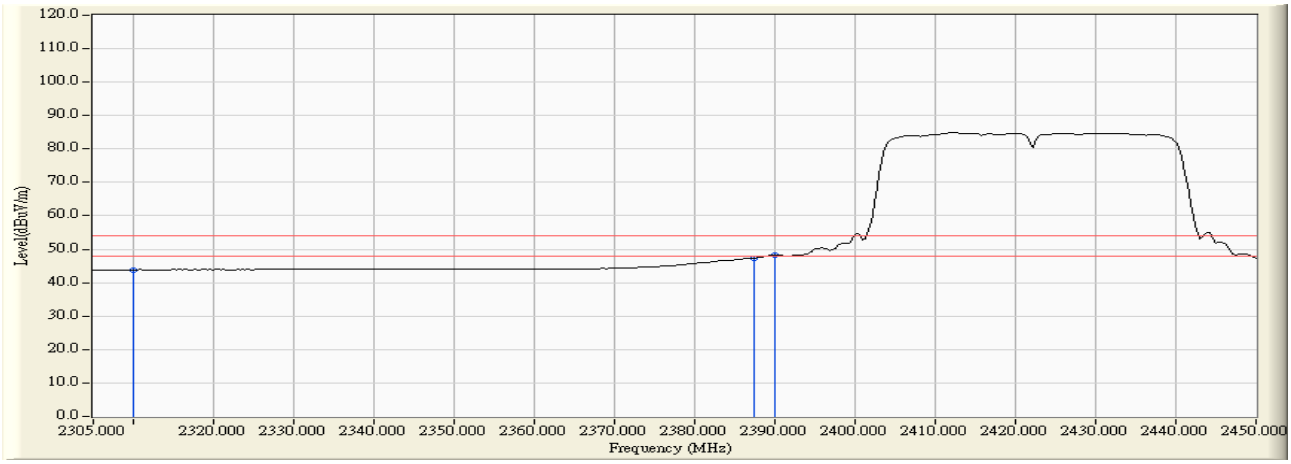


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)	Detector Type
1		2310.000	30.823	23.711	54.533	-19.467	74.000	54.000	PEAK
2	*	2387.360	31.078	29.807	60.885	-13.115	74.000	54.000	PEAK
3		2390.000	31.087	29.415	60.502	-13.498	74.000	54.000	PEAK

Note:

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

Site : QuieTek Open SITE 1	**Time : 2008/08/07 - 21:29**
Limit : NCC_3.10.1_03M_AV	**Margin : 6**
Probe : CB4_ NCC_1-25G(2008-05) - VERTICAL	**Power : AC 120V/60Hz**
EUT : ASUS SuperSpeedN Wireless Router	**Note : Tx-N-CH3-40MHz_2Tx**

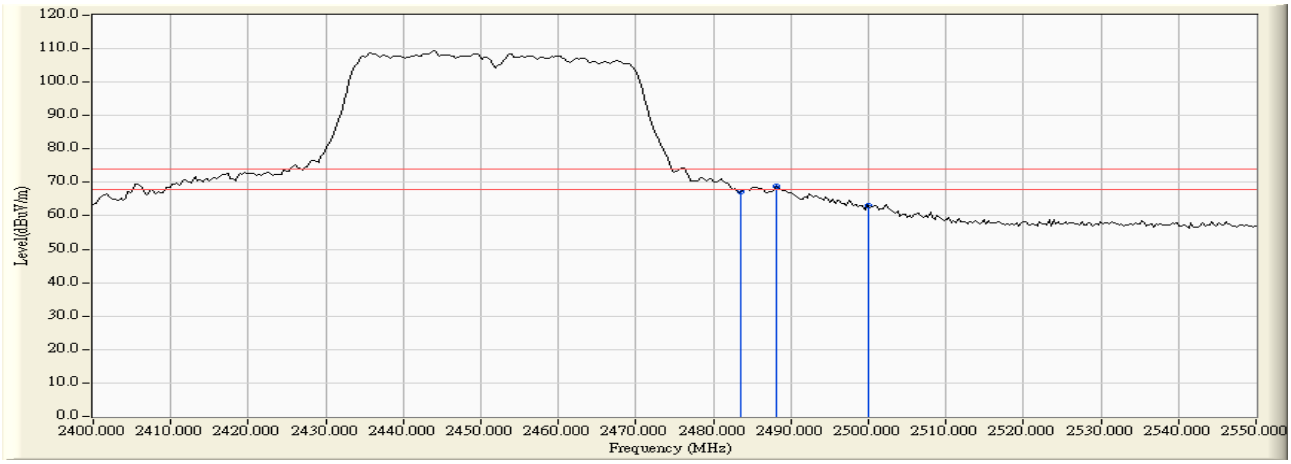


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)	Detector Type
1		2310.000	30.823	13.075	43.897	-10.103	74.000	54.000	AVERAGE
2	*	2387.360	31.078	16.236	47.314	-6.686	74.000	54.000	AVERAGE
3		2390.000	31.087	17.172	48.259	-5.741	74.000	54.000	AVERAGE

Note:

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

Site : QuieTek Open SITE 1	**Time : 2008/08/07 - 21:48**
Limit : NCC_3.10.1_03M_PK	**Margin : 6**
Probe : CB4_ NCC_1-25G(2008-05) - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : ASUS SuperSpeedN Wireless Router	**Note : Tx-N-CH9-40MHz_2Tx**

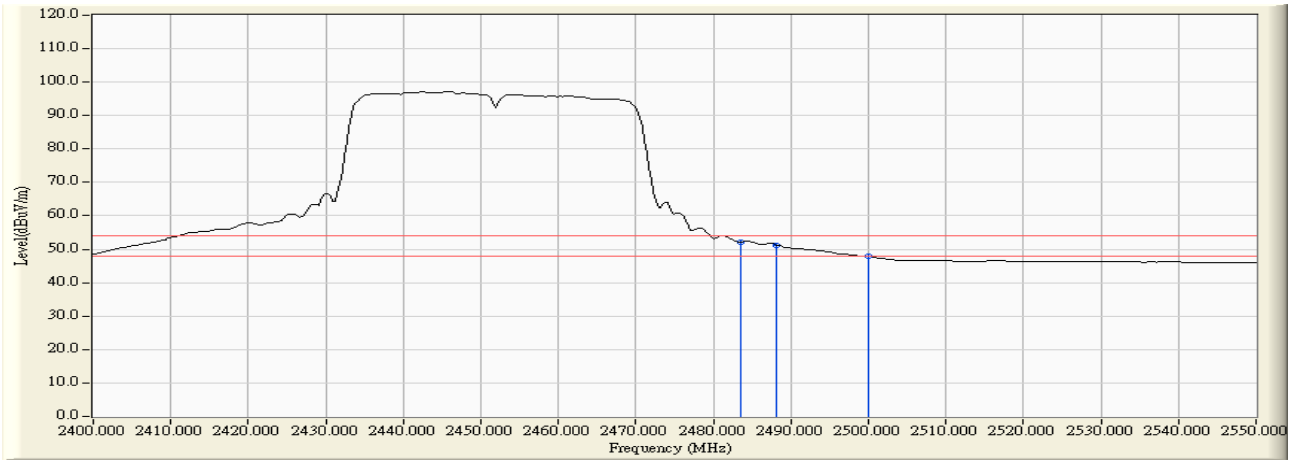


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)	Detector Type
1		2483.500	31.407	35.830	67.236	-6.764	74.000	54.000	PEAK
2	*	2488.200	31.421	37.424	68.846	-5.154	74.000	54.000	PEAK
3		2500.000	31.456	31.574	63.030	-10.970	74.000	54.000	PEAK

Note:

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

Site : QuieTek Open SITE 1	**Time : 2008/08/07 - 21:53**
Limit : NCC_3.10.1_03M_AV	**Margin : 6**
Probe : CB4_ NCC_1-25G(2008-05) - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : ASUS SuperSpeedN Wireless Router	**Note : Tx-N-CH9-40MHz_2Tx**

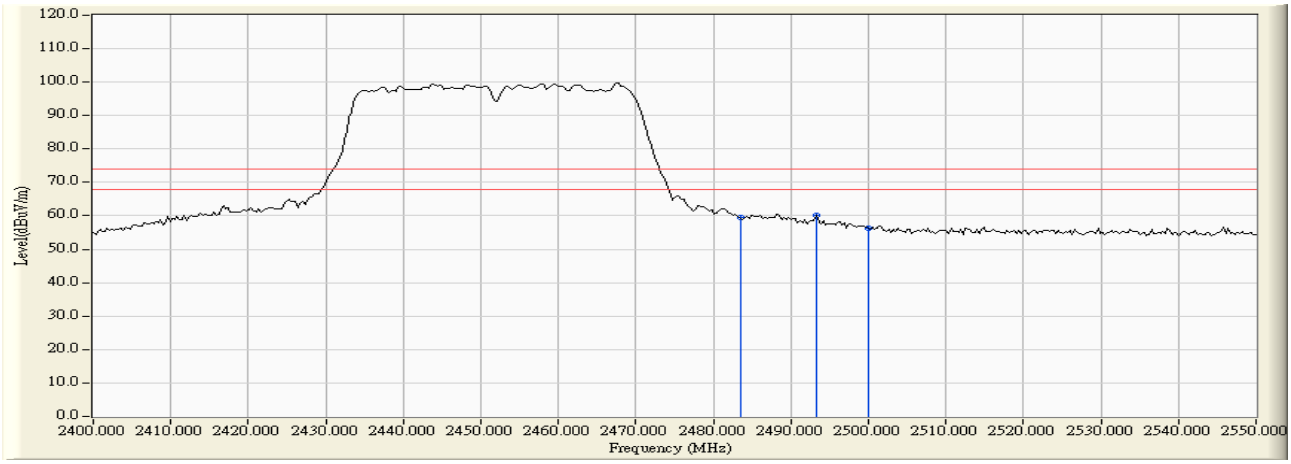


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)	Detector Type
1		2483.500	31.407	20.821	52.227	-1.773	74.000	54.000	AVERAGE
2	*	2488.200	31.421	19.874	51.296	-2.704	74.000	54.000	AVERAGE
3		2500.000	31.456	16.421	47.877	-6.123	74.000	54.000	AVERAGE

Note:

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

Site : QuieTek Open SITE 1	**Time : 2008/08/08 - 13:57**
Limit : NCC_3.10.1_03M_PK	**Margin : 6**
Probe : CB4_ NCC_1-25G(2008-05) - VERTICAL	**Power : AC 120V/60Hz**
EUT : ASUS SuperSpeedN Wireless Router	**Note : Tx-N-CH9-40MHz_2Tx**

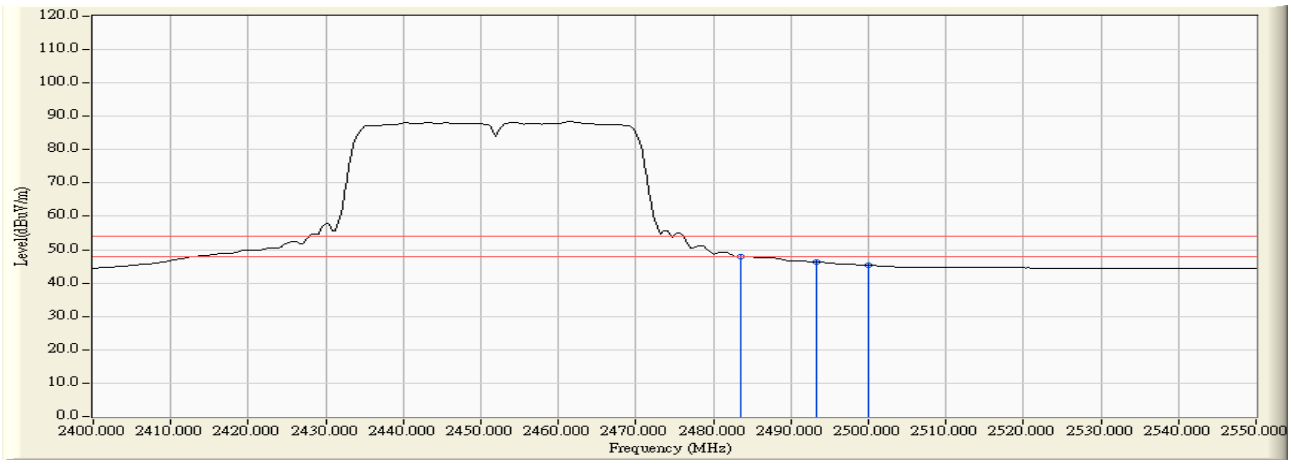


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)	Detector Type
1		2483.500	31.407	28.033	59.439	-14.561	74.000	54.000	PEAK
2	*	2493.300	31.438	28.756	60.195	-13.805	74.000	54.000	PEAK
3		2500.000	31.456	24.862	56.318	-17.682	74.000	54.000	PEAK

Note:

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

Site : QuieTek Open SITE 1	**Time : 2008/08/08 - 14:00**
Limit : NCC_3.10.1_03M_AV	**Margin : 6**
Probe : CB4_ NCC_1-25G(2008-05) - VERTICAL	**Power : AC 120V/60Hz**
EUT : ASUS SuperSpeedN Wireless Router	**Note : Tx-N-CH9-40MHz_2Tx**



		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)	Detector Type
1		2483.500	31.407	16.547	47.953	-6.047	74.000	54.000	AVERAGE
2	*	2493.300	31.438	14.927	46.366	-7.634	74.000	54.000	AVERAGE
3		2500.000	31.456	13.963	45.419	-8.581	74.000	54.000	AVERAGE

Note:

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

7. Occupied Bandwidth

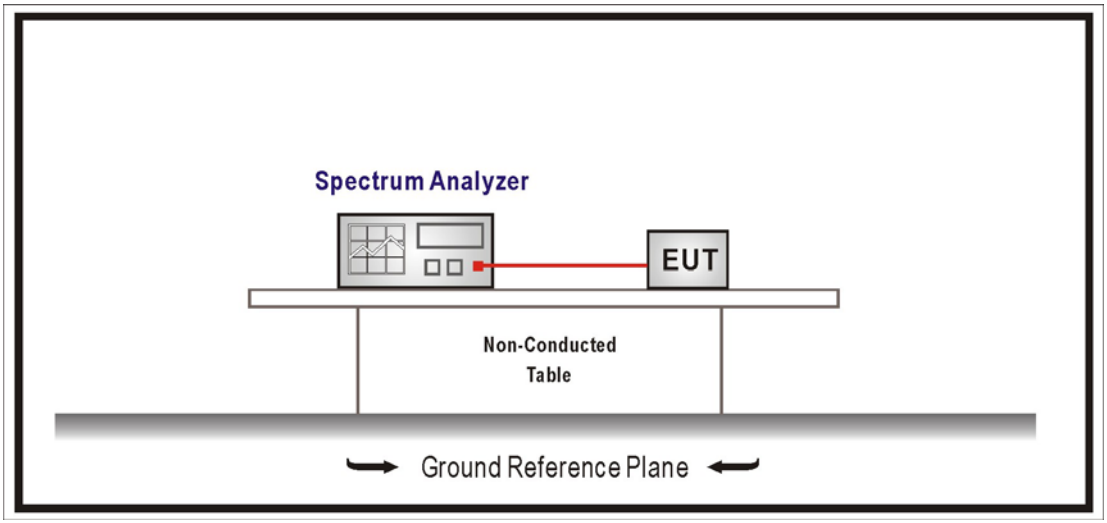
7.1. Test Equipment

The following test equipments are used during the test:

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

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

7.2. Test Setup



7.3. Test Procedures

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

7.4. Limits

The 6 dB bandwidth must be greater than 500 kHz.

7.5. Uncertainty

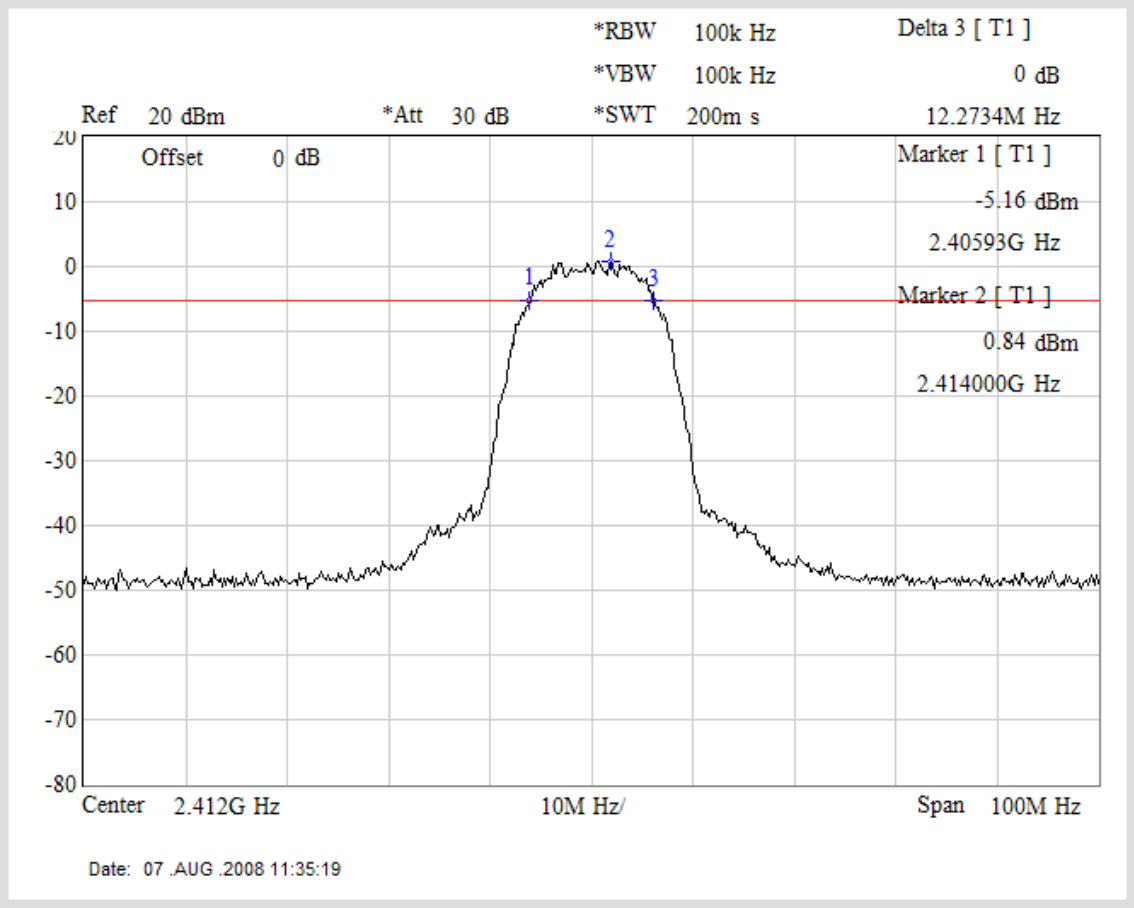
The measurement uncertainty is defined as ±150Hz

7.6. Test Result

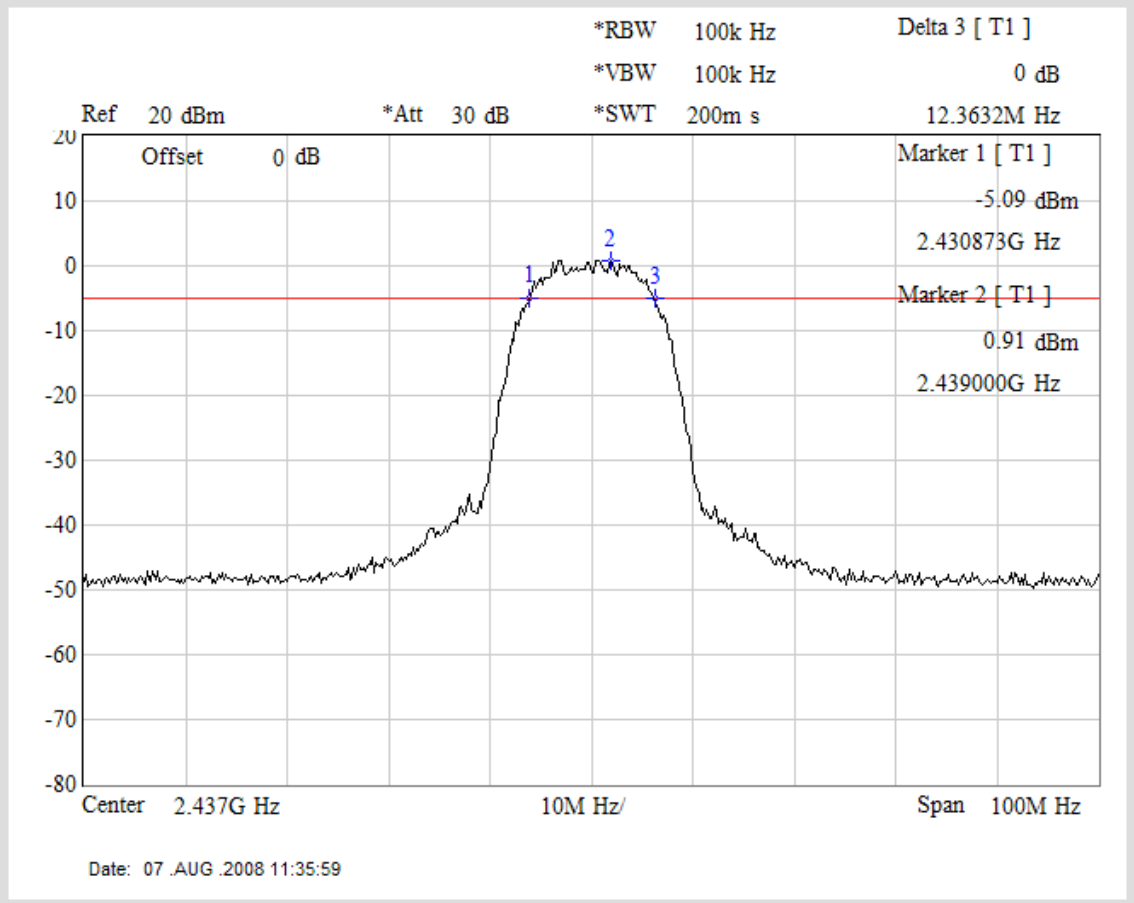
Product	ASUS SuperSpeedN Wireless Router		
Test Item	Occupied Bandwidth		
Test Mode	Transmit		
Date of Test	2008/08/07	Test Site	No.1 OATS

802.11 b				
Channel No.	Frequency (MHz)	Measurement Level (kHz)	Required Limit (kHz)	Result
1	2412.00	12273.4	≧500	Pass
6	2437.00	12363.2	≧500	Pass
11	2462.00	12270.4	≧500	Pass

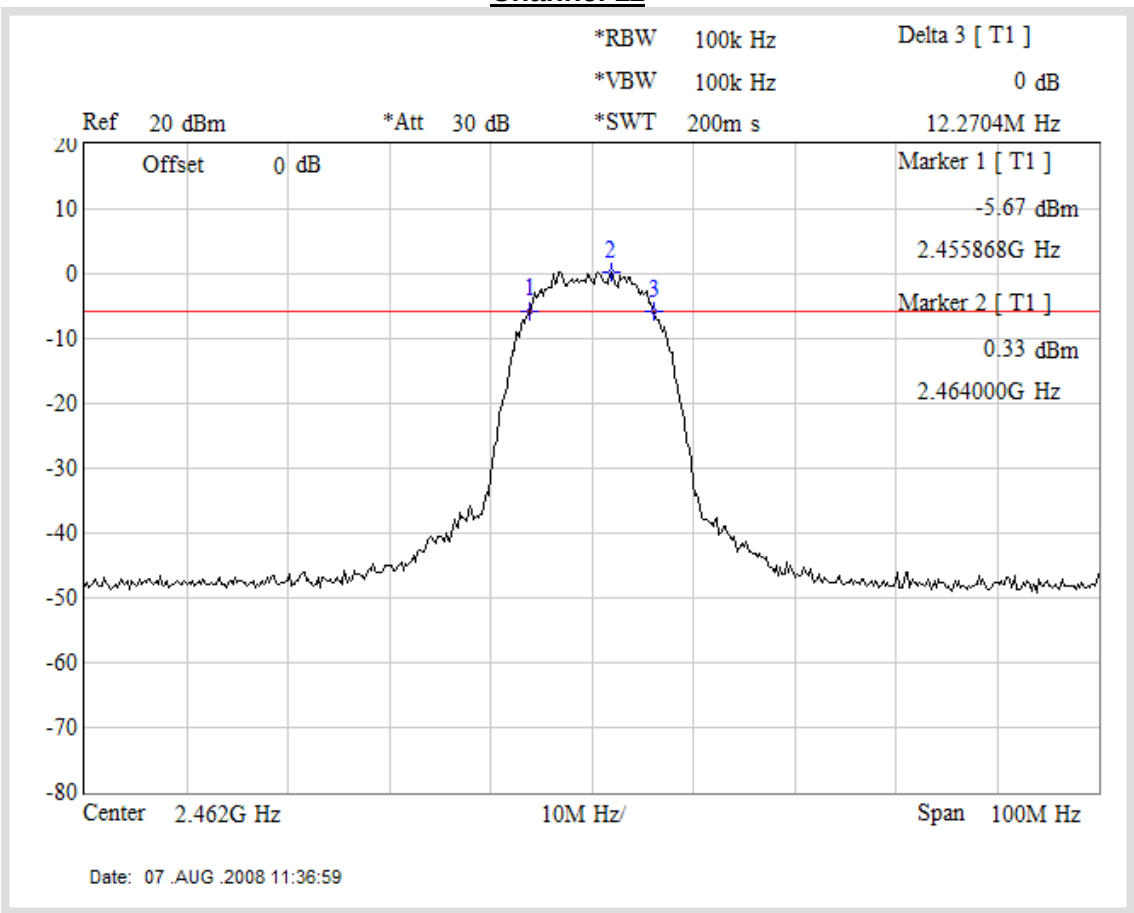
Channel 1



Channel 6


*RBW 100k Hz
*VBW 100k Hz
Delta 3 [T1]
0 dB
Ref 20 dBm
*Att 30 dB
*SWT 200m s
12.3632M Hz
Offset 0 dB
Marker 1 [T1]
-5.09 dBm
2.430873G Hz
Marker 2 [T1]
0.91 dBm
2.439000G Hz
20
10
0
-10
-20
-30
-40
-50
-60
-70
-80
Center 2.437G Hz
10M Hz/
Span 100M Hz
Date: 07 .AUG .2008 11:35:59

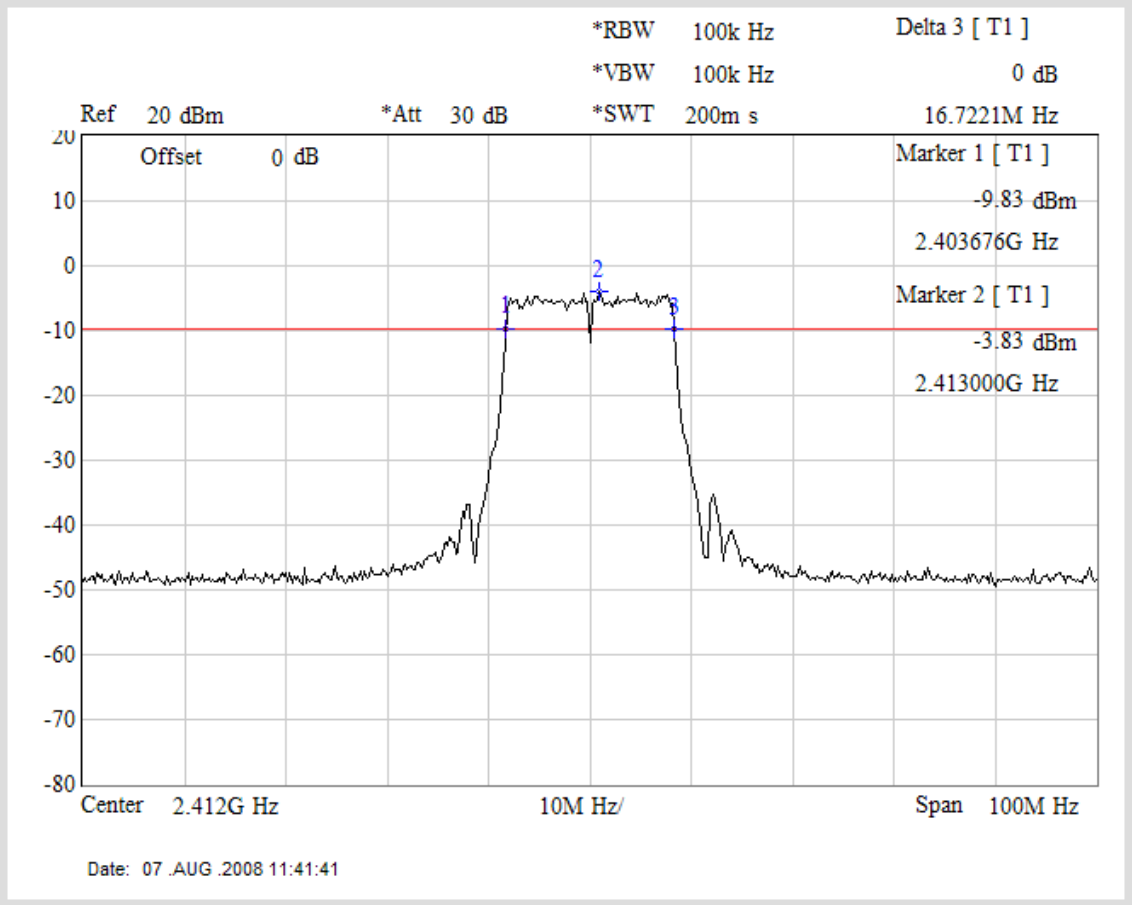
Channel 11


*RBW 100k Hz
*VBW 100k Hz
Delta 3 [T1]
0 dB
Ref 20 dBm
*Att 30 dB
*SWT 200m s
12.2704M Hz
Offset 0 dB
Marker 1 [T1]
-5.67 dBm
2.455868G Hz
Marker 2 [T1]
0.33 dBm
2.464000G Hz
20
10
0
-10
-20
-30
-40
-50
-60
-70
-80
Center 2.462G Hz
10M Hz/
Span 100M Hz
Date: 07 .AUG .2008 11:36:59

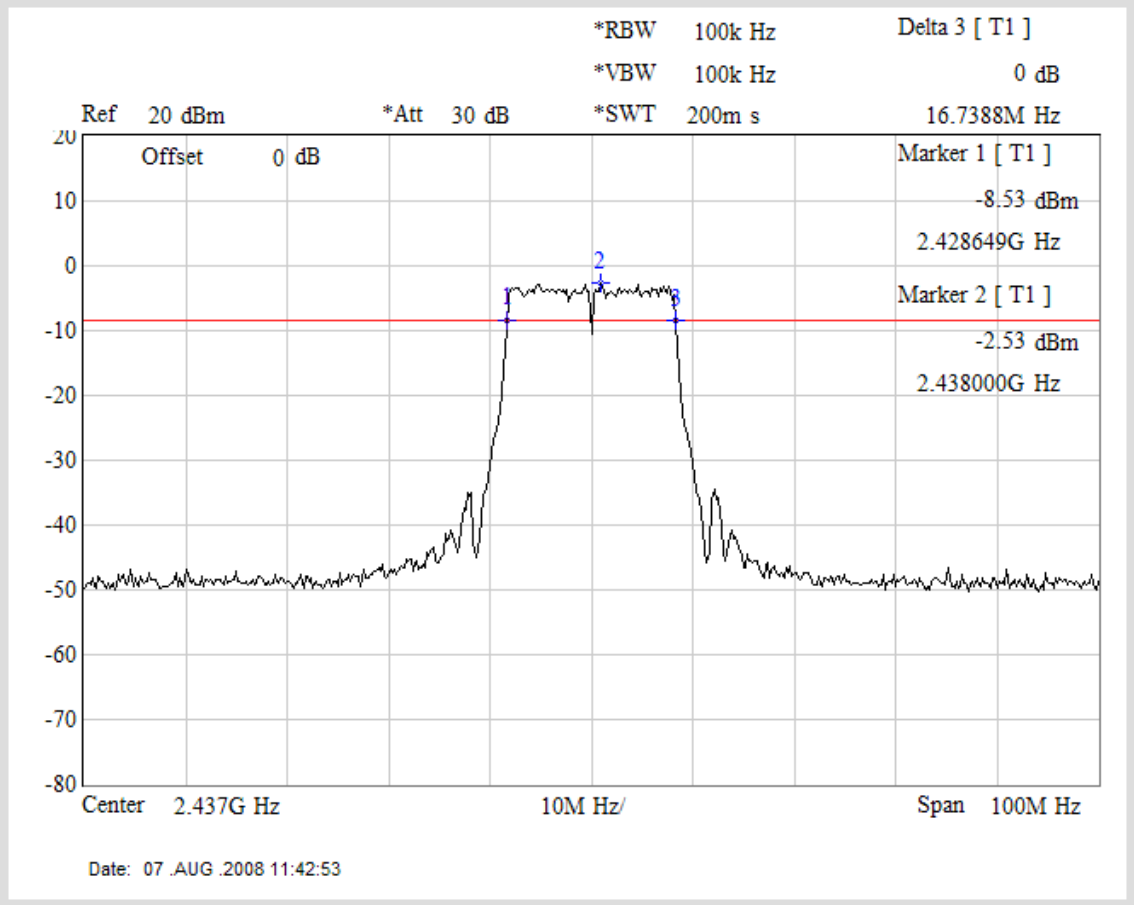
Product	ASUS SuperSpeedN Wireless Router		
Test Item	Occupied Bandwidth		
Test Mode	Transmit		
Date of Test	2008/08/07	Test Site	No.1 OATS

IEEE 802.11g				
Channel No.	Frequency (MHz)	Measurement Level (kHz)	Required Limit (kHz)	Result
1	2412.00	16722.1	≧500	Pass
6	2437.00	16738.8	≧500	Pass
11	2462.00	16693.7	≧500	Pass

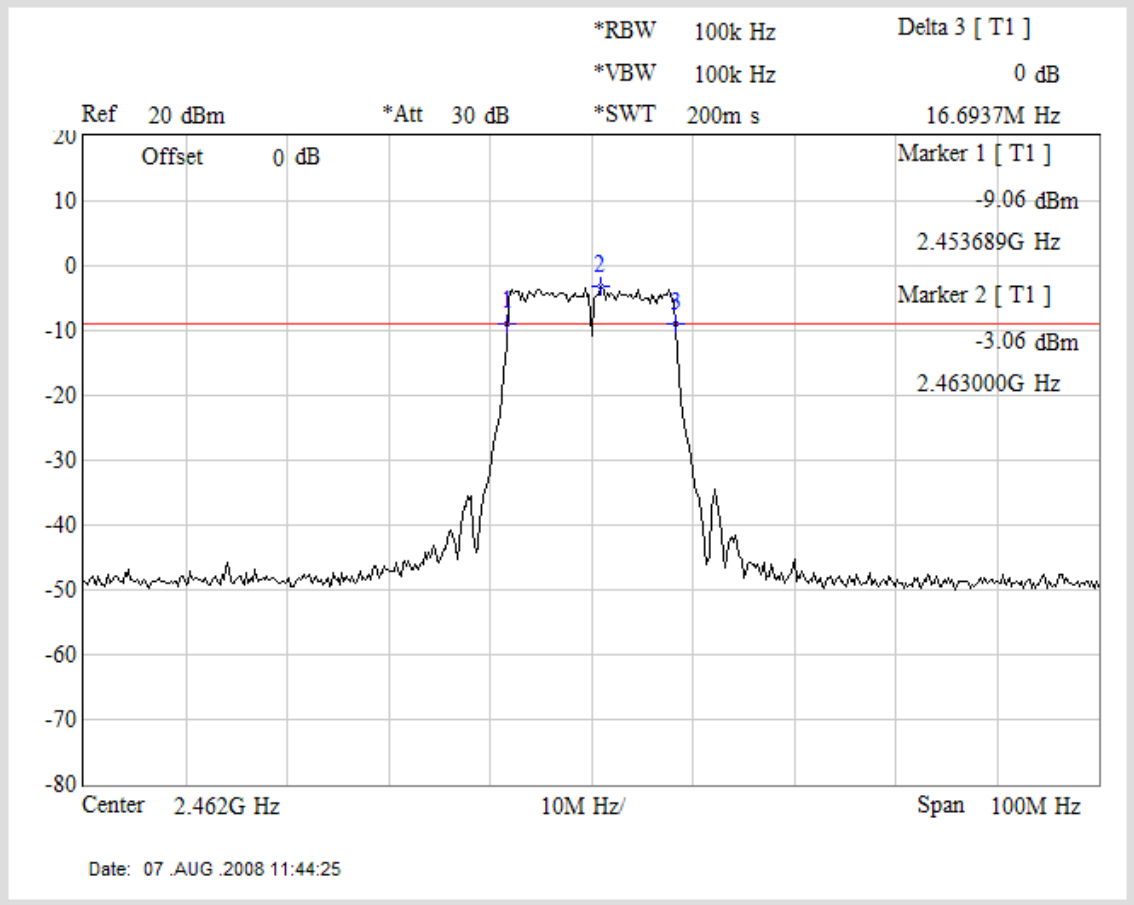
Channel 1



Channel 6


*RBW 100k Hz
*VBW 100k Hz
Delta 3 [T1]
0 dB
Ref 20 dBm
*Att 30 dB
*SWT 200m s
16.7388M Hz
Offset 0 dB
Marker 1 [T1]
-8.53 dBm
2.428649G Hz
Marker 2 [T1]
-2.53 dBm
2.438000G Hz
20
10
0
-10
-20
-30
-40
-50
-60
-70
-80
Center 2.437G Hz
10M Hz/
Span 100M Hz
Date: 07 .AUG .2008 11:42:53

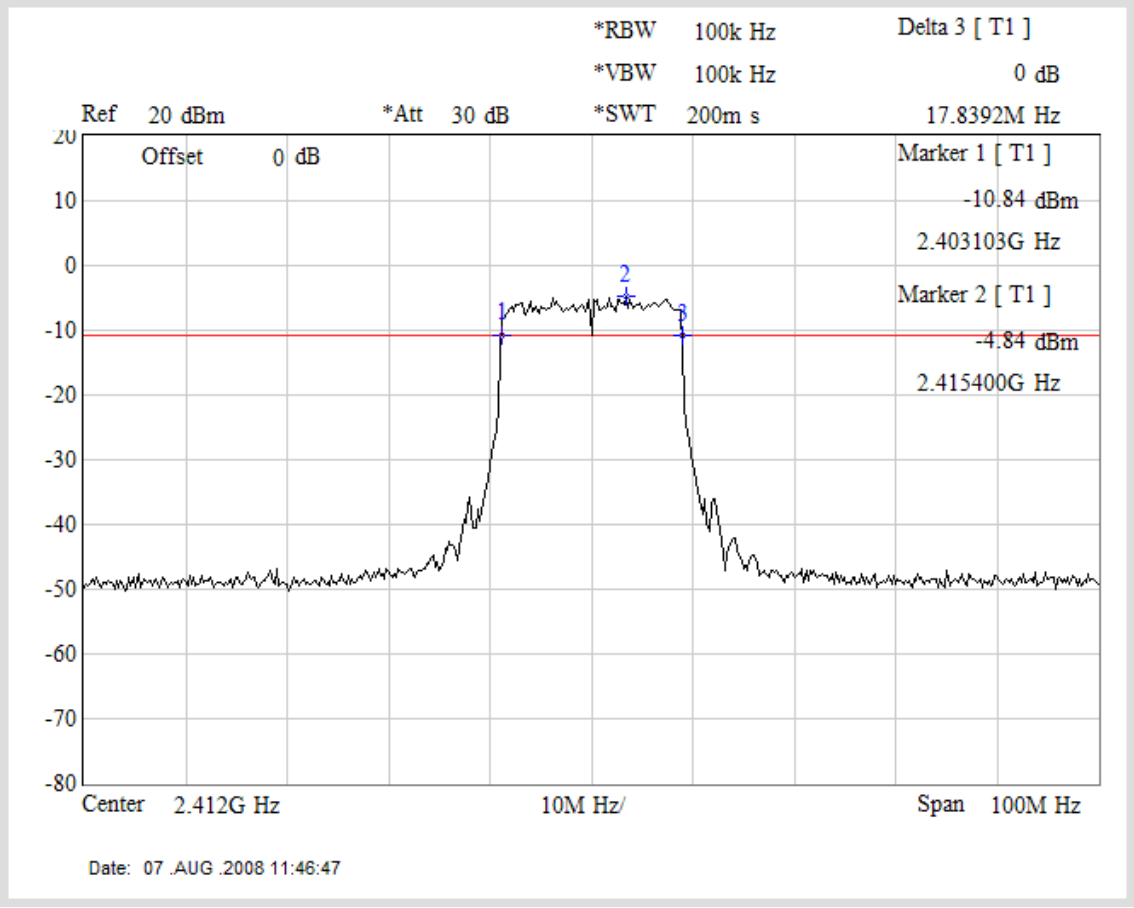
Channel 11


*RBW 100k Hz
*VBW 100k Hz
Delta 3 [T1]
0 dB
Ref 20 dBm
*Att 30 dB
*SWT 200m s
16.6937M Hz
Offset 0 dB
Marker 1 [T1]
-9.06 dBm
2.453689G Hz
Marker 2 [T1]
-3.06 dBm
2.463000G Hz
20
10
0
-10
-20
-30
-40
-50
-60
-70
-80
Center 2.462G Hz
10M Hz/
Span 100M Hz
Date: 07 .AUG .2008 11:44:25

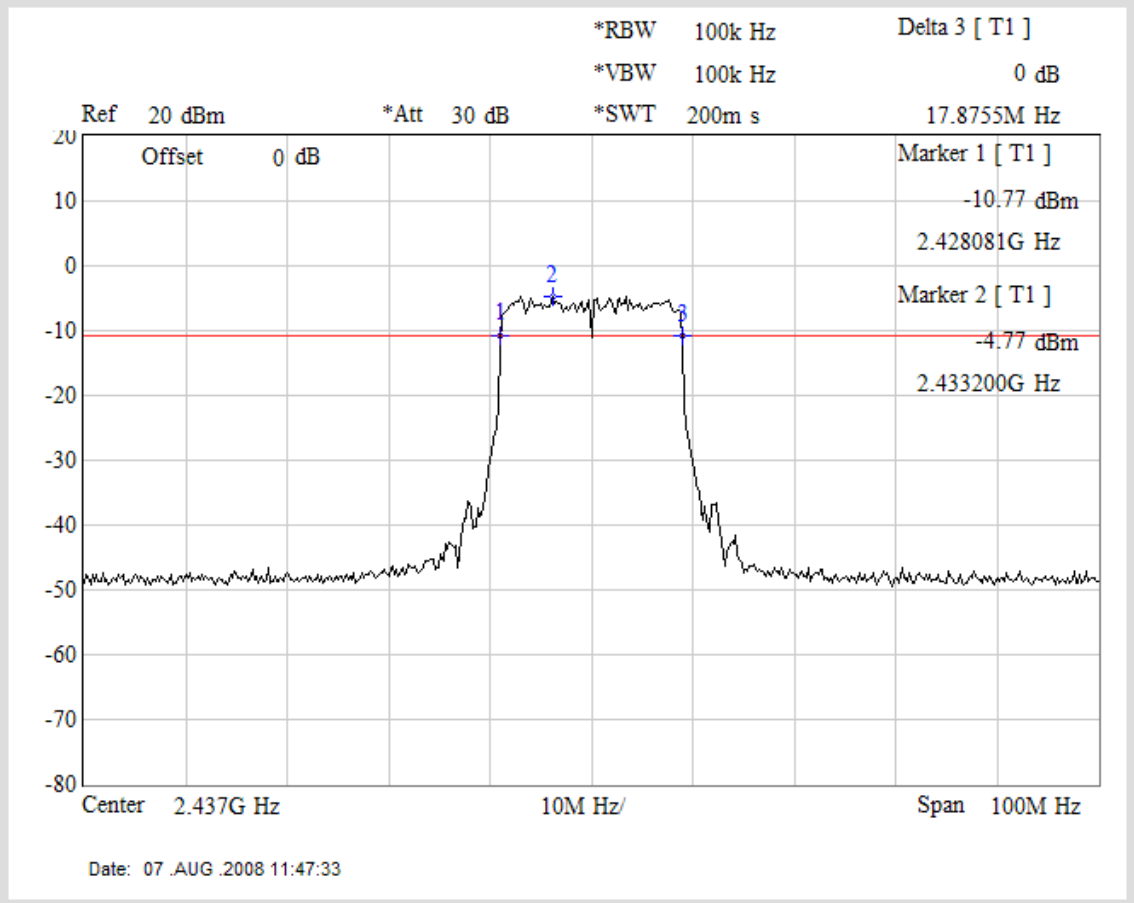
Product	ASUS SuperSpeedN Wireless Router		
Test Item	Occupied Bandwidth		
Test Mode	Transmit		
Date of Test	2008/08/07	Test Site	No.1 OATS

IEEE 802.11n (ANT A (20MHz))				
Channel No.	Frequency (MHz)	Measurement Level (kHz)	Required Limit (kHz)	Result
1	2412.00	17839.2	≧500	Pass
6	2437.00	17875.5	≧500	Pass
11	2462.00	17829.6	≧500	Pass

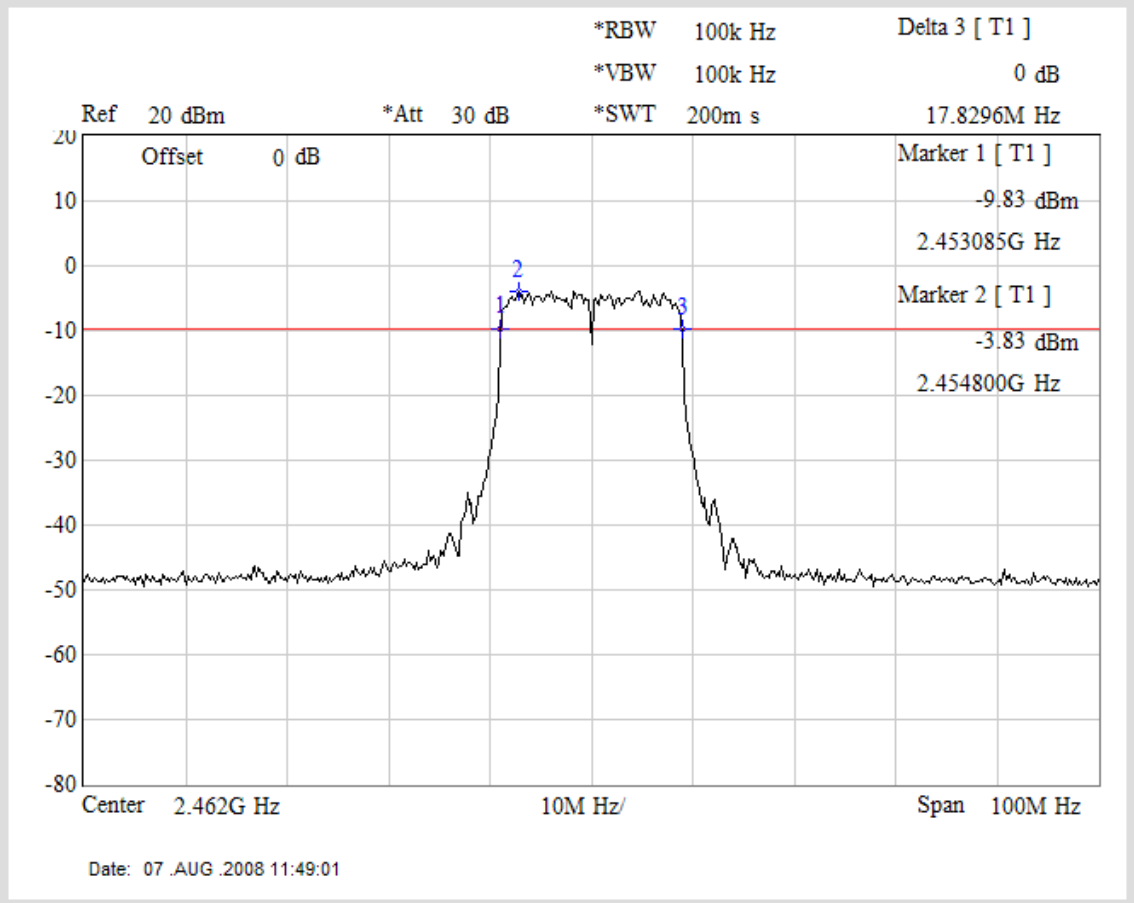
Channel 1



Channel 6


*RBW 100k Hz
*VBW 100k Hz
Delta 3 [T1]
0 dB
Ref 20 dBm
*Att 30 dB
*SWT 200m s
17.8755M Hz
Offset 0 dB
Marker 1 [T1]
-10.77 dBm
2.428081G Hz
Marker 2 [T1]
-4.77 dBm
2.433200G Hz
20
10
0
-10
-20
-30
-40
-50
-60
-70
-80
Center 2.437G Hz
10M Hz/
Span 100M Hz
Date: 07 .AUG .2008 11:47:33

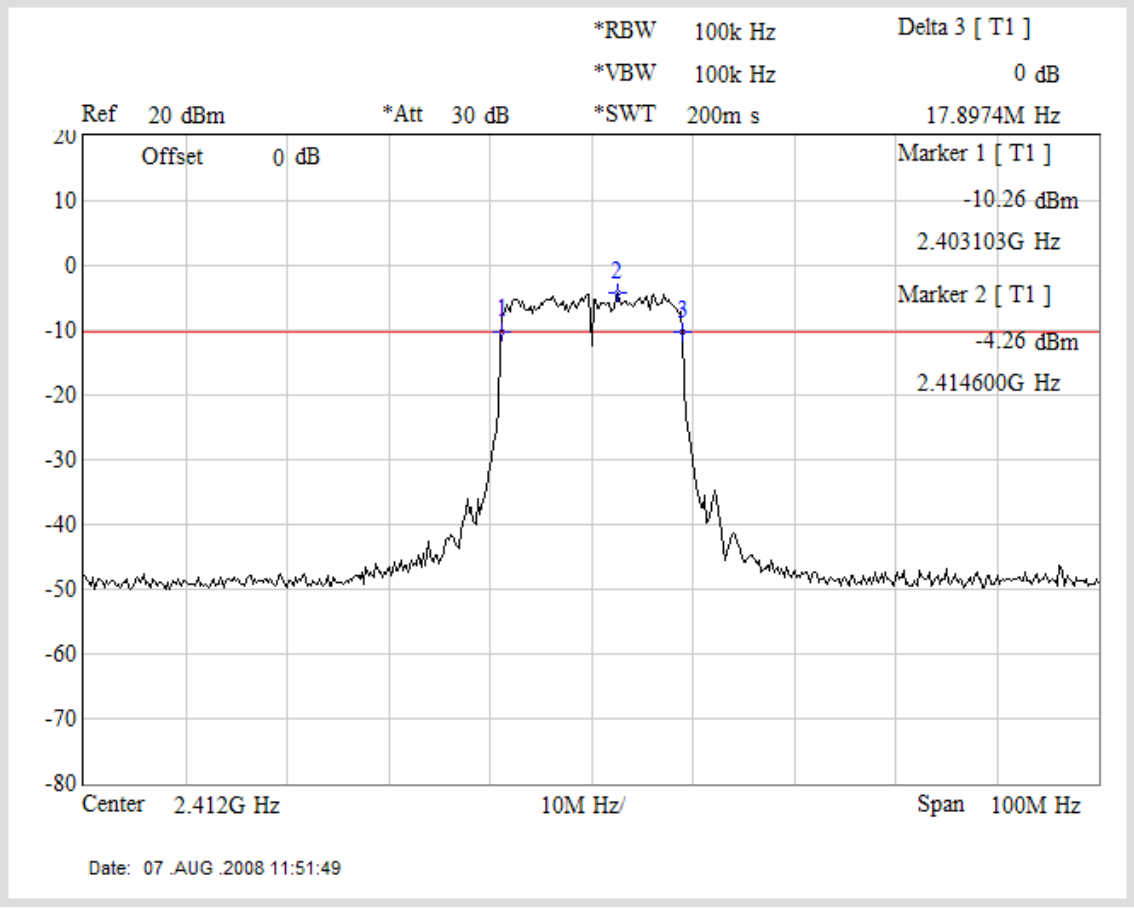
Channel 11


*RBW 100k Hz
*VBW 100k Hz
Delta 3 [T1]
0 dB
Ref 20 dBm
*Att 30 dB
*SWT 200m s
17.8296M Hz
Offset 0 dB
Marker 1 [T1]
-9.83 dBm
2.453085G Hz
Marker 2 [T1]
-3.83 dBm
2.454800G Hz
20
10
0
-10
-20
-30
-40
-50
-60
-70
-80
Center 2.462G Hz
10M Hz/
Span 100M Hz
Date: 07 .AUG .2008 11:49:01

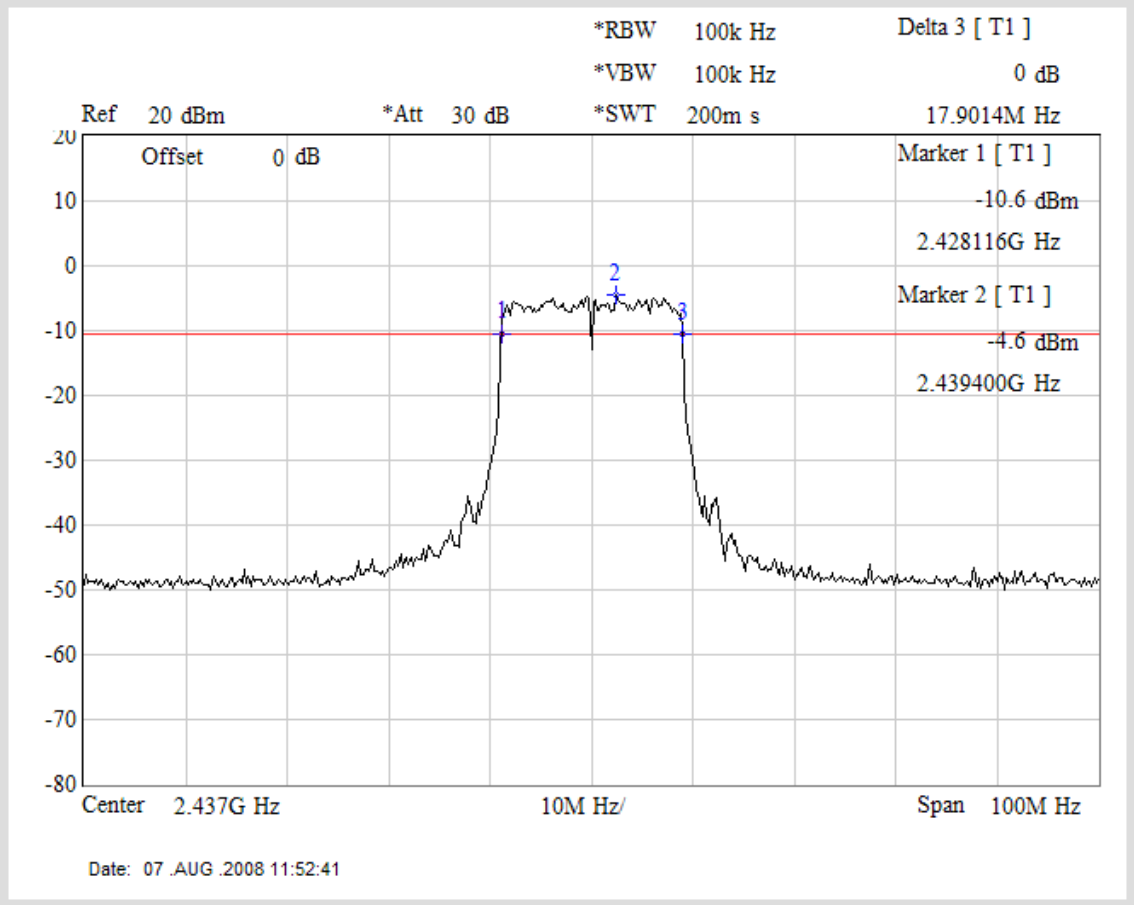
Product	ASUS SuperSpeedN Wireless Router		
Test Item	Occupied Bandwidth		
Test Mode	Transmit		
Date of Test	2008/08/07	Test Site	No.1 OATS

IEEE 802.11n (ANT B (20MHz))				
Channel No.	Frequency (MHz)	Measurement Level (kHz)	Required Limit (kHz)	Result
1	2412.00	17897.4	≧500	Pass
6	2437.00	17901.4	≧500	Pass
11	2462.00	17846.5	≧500	Pass

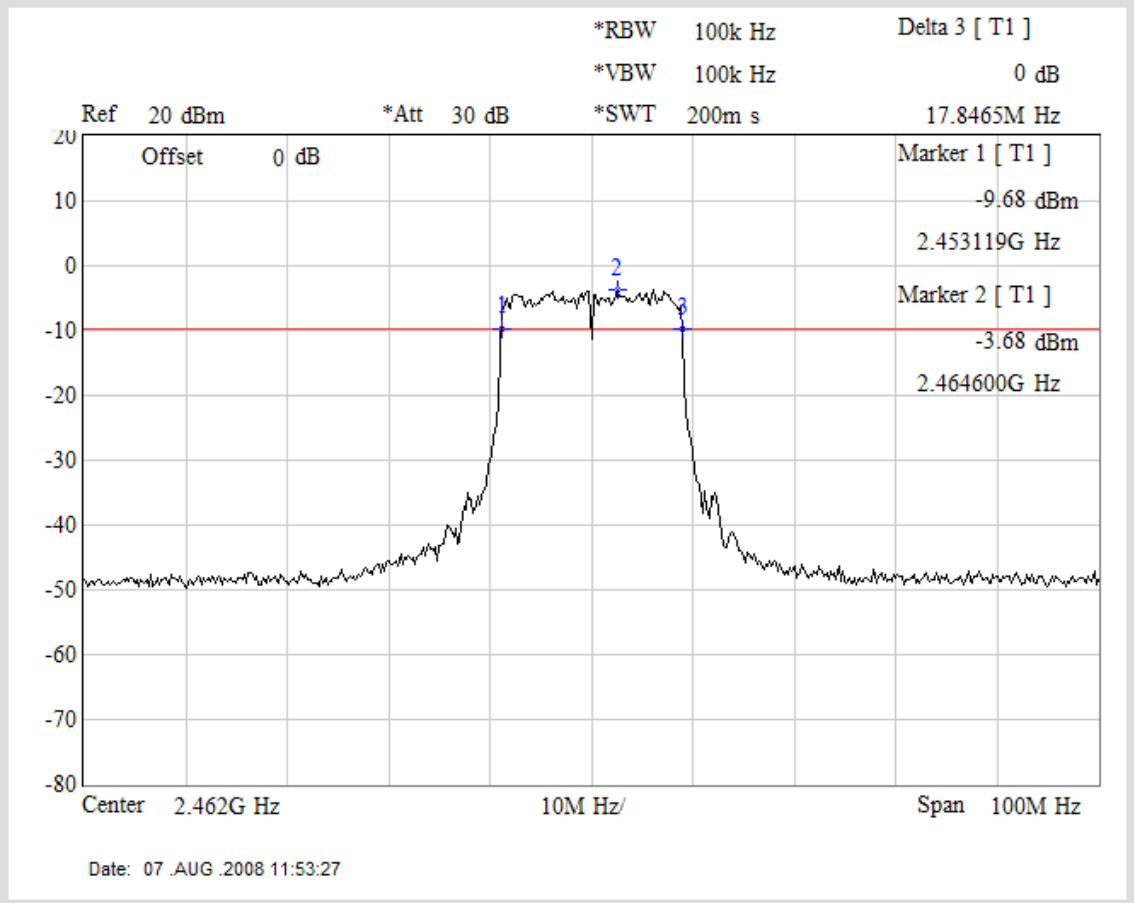
Channel 1



Channel 6


*RBW 100k Hz
*VBW 100k Hz
Delta 3 [T1]
0 dB
Ref 20 dBm
*Att 30 dB
*SWT 200m s
17.9014M Hz
Offset 0 dB
Marker 1 [T1]
-10.6 dBm
2.428116G Hz
Marker 2 [T1]
-4.6 dBm
2.439400G Hz
20
10
0
-10
-20
-30
-40
-50
-60
-70
-80
Center 2.437G Hz
10M Hz/
Span 100M Hz
Date: 07 .AUG .2008 11:52:41

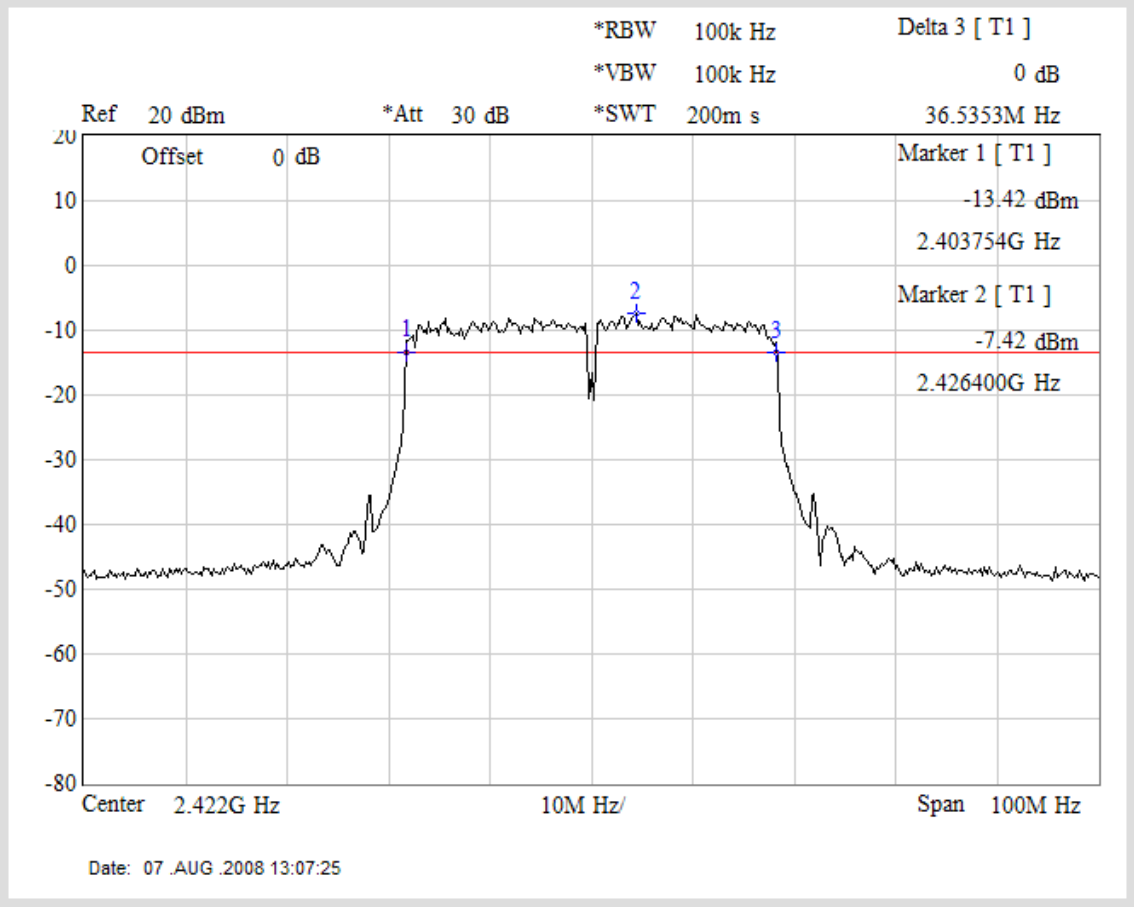
Channel 11


*RBW 100k Hz
*VBW 100k Hz
Delta 3 [T1]
0 dB
Ref 20 dBm
*Att 30 dB
*SWT 200m s
17.8465M Hz
Offset 0 dB
Marker 1 [T1]
-9.68 dBm
2.453119G Hz
Marker 2 [T1]
-3.68 dBm
2.464600G Hz
20
10
0
-10
-20
-30
-40
-50
-60
-70
-80
Center 2.462G Hz
10M Hz/
Span 100M Hz
Date: 07 .AUG .2008 11:53:27

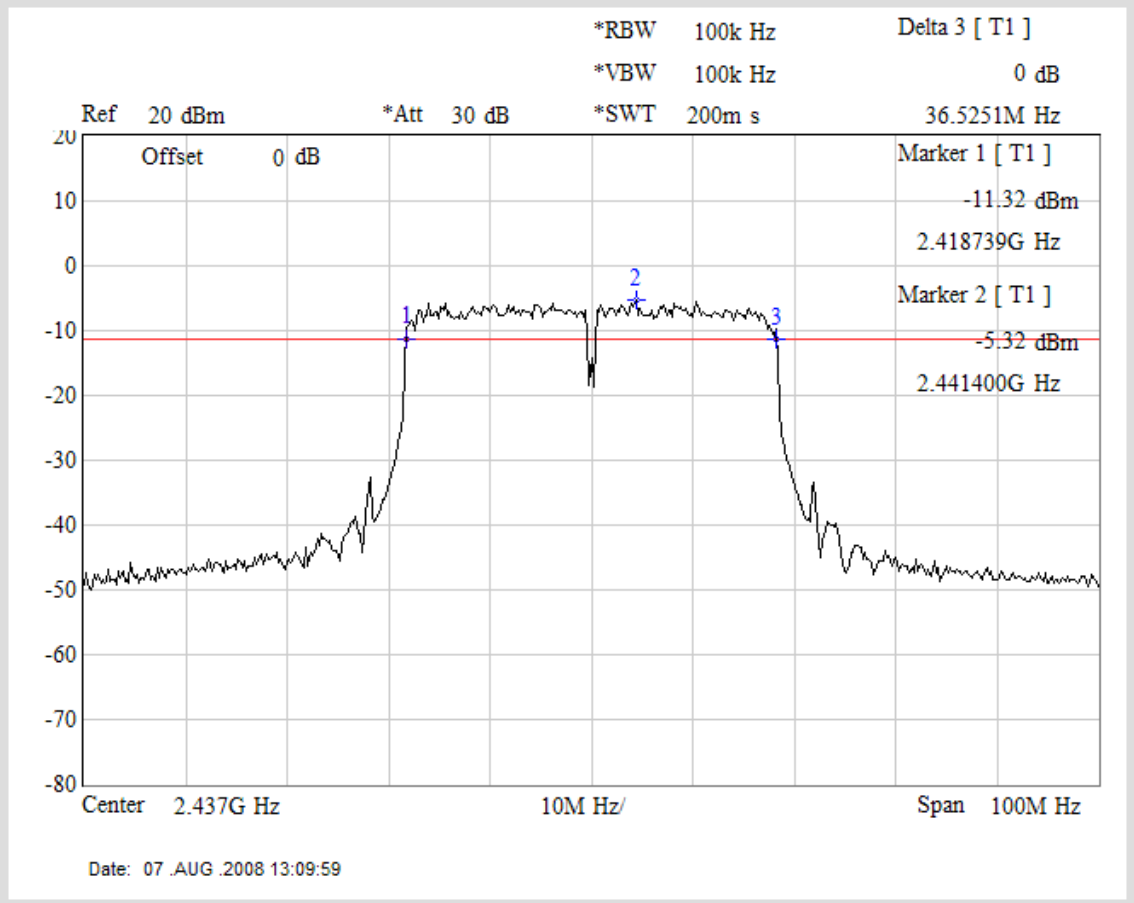
Product	ASUS SuperSpeedN Wireless Router		
Test Item	Occupied Bandwidth		
Test Mode	Transmit		
Date of Test	2008/08/07	Test Site	No.1 OATS

IEEE 802.11n (ANT A (40MHz))				
Channel No.	Frequency (MHz)	Measurement Level (kHz)	Required Limit (kHz)	Result
3	2422	36535.3	≧500	Pass
6	2437	36525.1	≧500	Pass
9	2452	36513.0	≧500	Pass

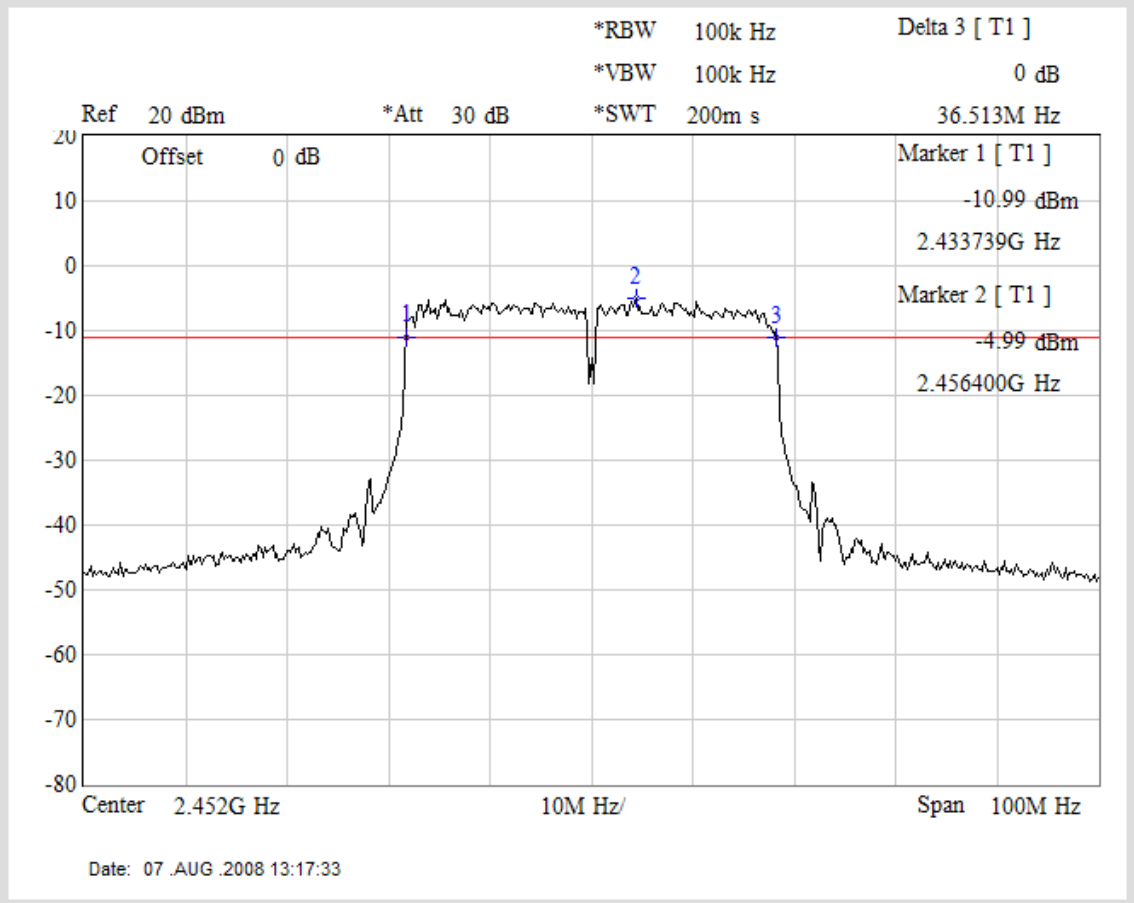
Channel 3



Channel 6


*RBW 100k Hz
*VBW 100k Hz
Delta 3 [T1]
0 dB
Ref 20 dBm
*Att 30 dB
*SWT 200m s
36.5251M Hz
Offset 0 dB
Marker 1 [T1]
-11.32 dBm
2.418739G Hz
Marker 2 [T1]
-5.32 dBm
2.441400G Hz
20
10
0
-10
-20
-30
-40
-50
-60
-70
-80
Center 2.437G Hz
10M Hz/
Span 100M Hz
Date: 07 .AUG .2008 13:09:59

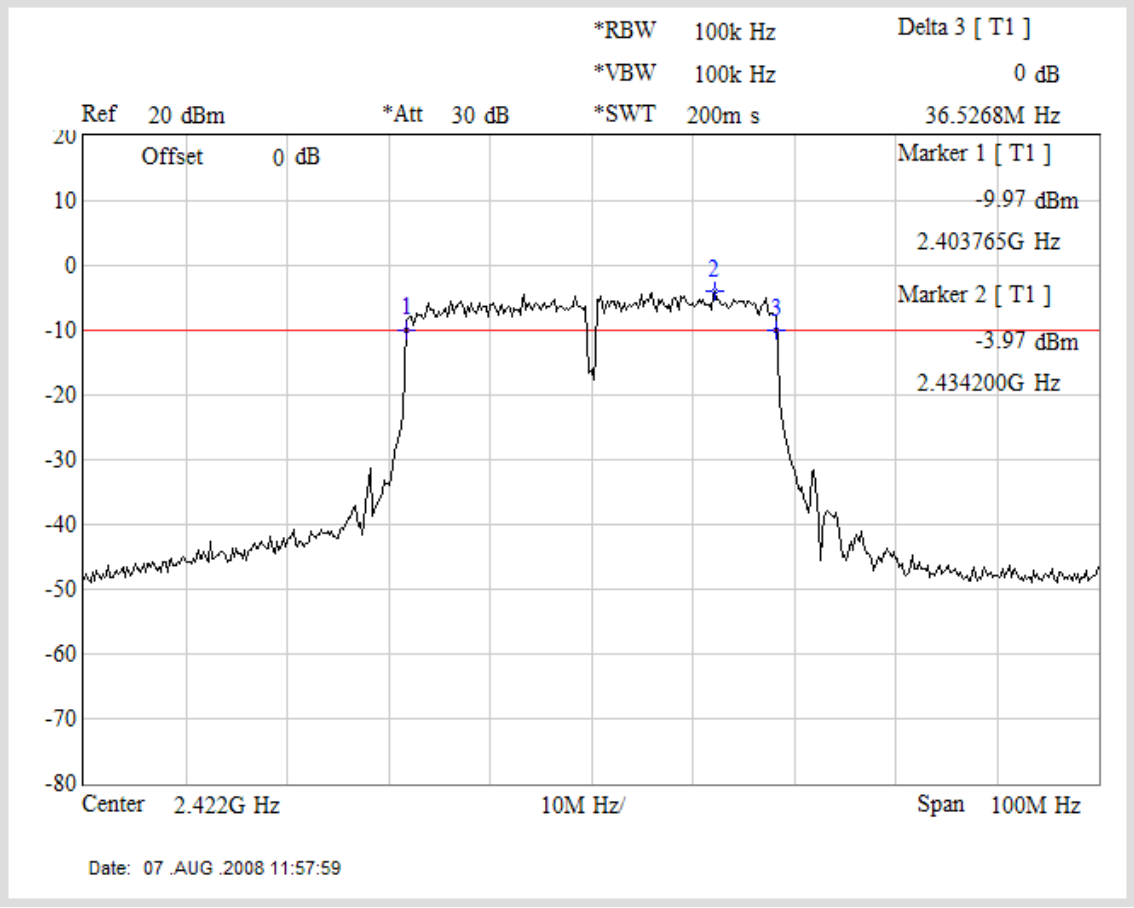
Channel 9


*RBW 100k Hz
*VBW 100k Hz
Delta 3 [T1]
0 dB
Ref 20 dBm
*Att 30 dB
*SWT 200m s
36.513M Hz
Offset 0 dB
Marker 1 [T1]
-10.99 dBm
2.433739G Hz
Marker 2 [T1]
-4.99 dBm
2.456400G Hz
20
10
0
-10
-20
-30
-40
-50
-60
-70
-80
Center 2.452G Hz
10M Hz/
Span 100M Hz
Date: 07 .AUG .2008 13:17:33

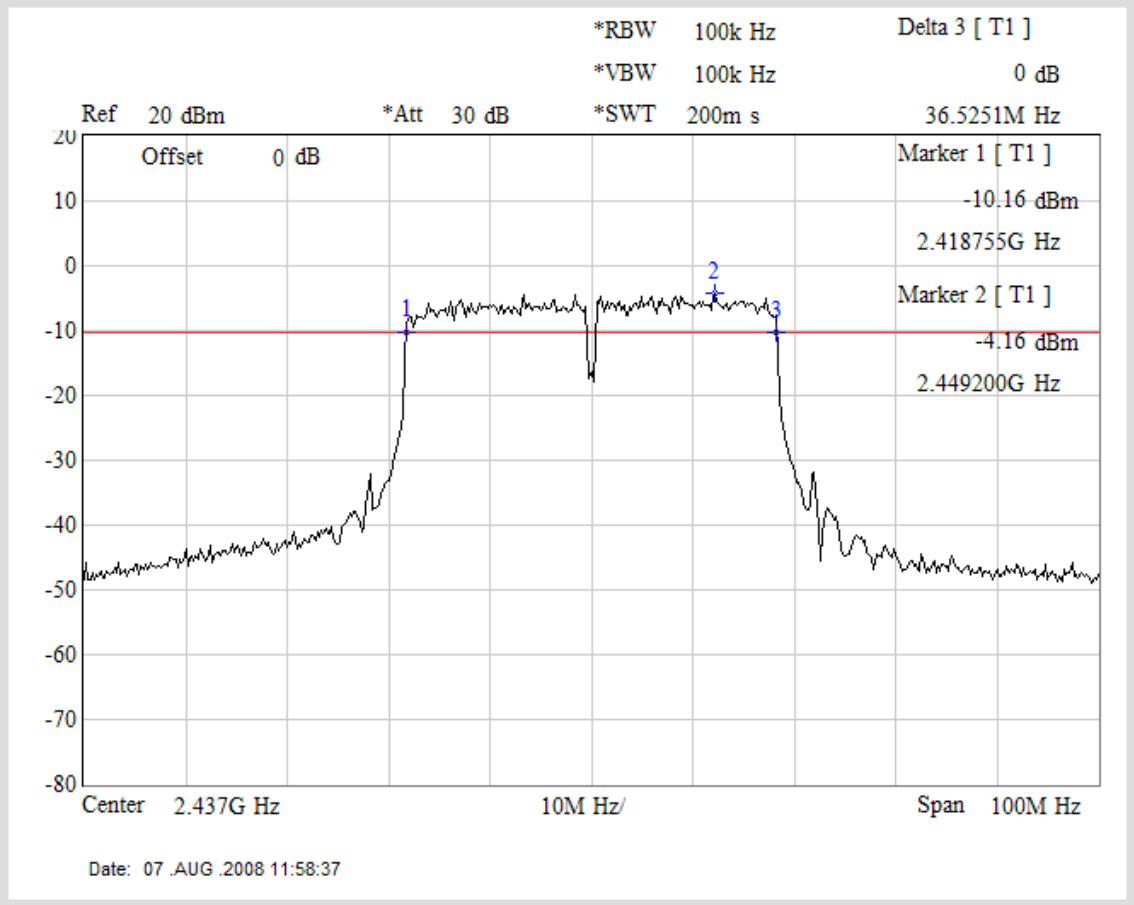
Product	ASUS SuperSpeedN Wireless Router		
Test Item	Occupied Bandwidth		
Test Mode	Transmit		
Date of Test	2008/08/07	Test Site	No.1 OATS

IEEE 802.11n (ANT B (40MHz))				
Channel No.	Frequency (MHz)	Measurement Level (kHz)	Required Limit (kHz)	Result
3	2422	36526.8	≧500	Pass
6	2437	36525.1	≧500	Pass
9	2452	36525.0	≧500	Pass

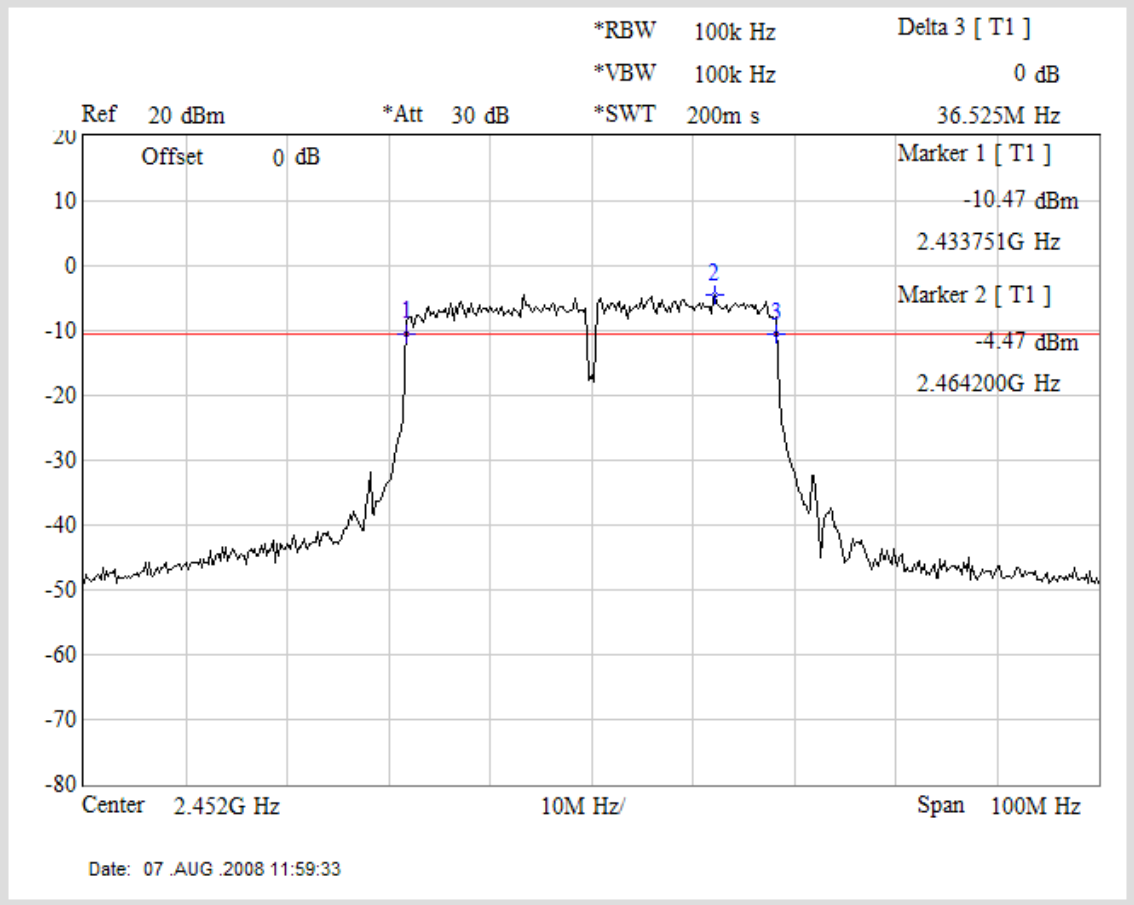
Channel 3



Channel 6


*RBW 100k Hz
*VBW 100k Hz
Delta 3 [T1]
0 dB
Ref 20 dBm
*Att 30 dB
*SWT 200m s
36.5251M Hz
Offset 0 dB
Marker 1 [T1]
-10.16 dBm
2.418755G Hz
Marker 2 [T1]
-4.16 dBm
2.449200G Hz
20
10
0
-10
-20
-30
-40
-50
-60
-70
-80
Center 2.437G Hz
10M Hz/
Span 100M Hz
Date: 07 .AUG .2008 11:58:37

Channel 9


*RBW 100k Hz
*VBW 100k Hz
Delta 3 [T1]
0 dB
Ref 20 dBm
*Att 30 dB
*SWT 200m s
36.525M Hz
Offset 0 dB
Marker 1 [T1]
-10.47 dBm
2.433751G Hz
Marker 2 [T1]
-4.47 dBm
2.464200G Hz
20
10
0
-10
-20
-30
-40
-50
-60
-70
-80
Center 2.452G Hz
10M Hz/
Span 100M Hz
Date: 07 .AUG .2008 11:59:33

8. Power Density

8.1. Test Equipment

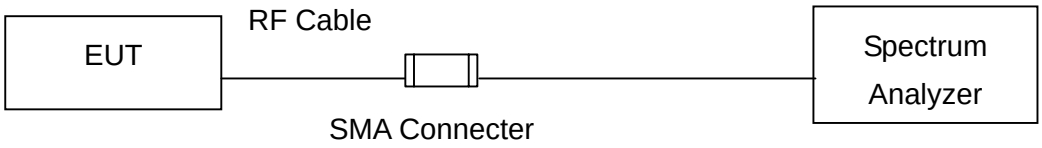
The following test equipment are used during the test:

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

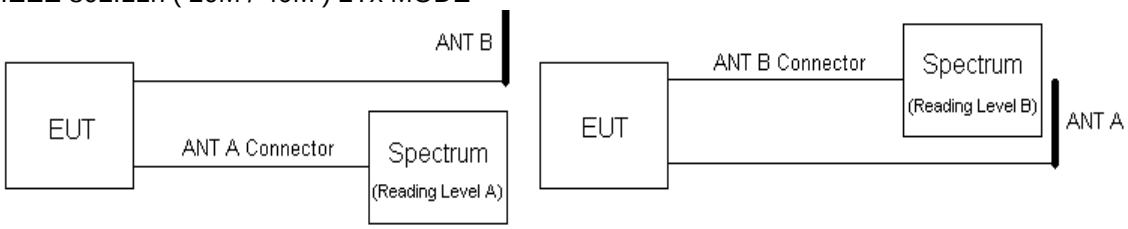
Note: 1. All equipments are calibrated with traceable calibrations. Each calibration is traceable to the national or international standards.

8.2. Test Setup

IEEE 802.11 b / g MODE



IEEE 802.11n (20M / 40M) 2Tx MODE



8.3. Limits

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

8.4. Test Procedures

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

8.5. Uncertainty

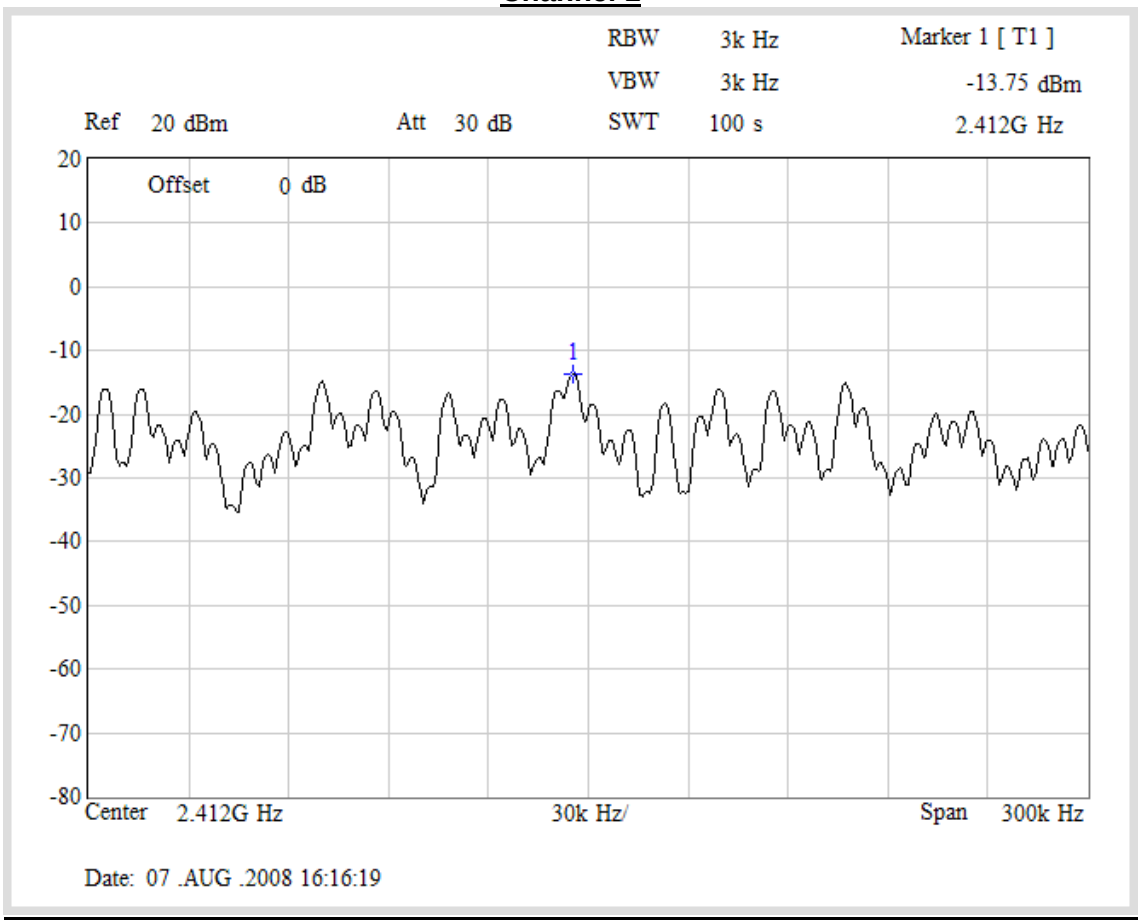
The measurement uncertainty is defined as ±1.27dB.

8.6. Test Result

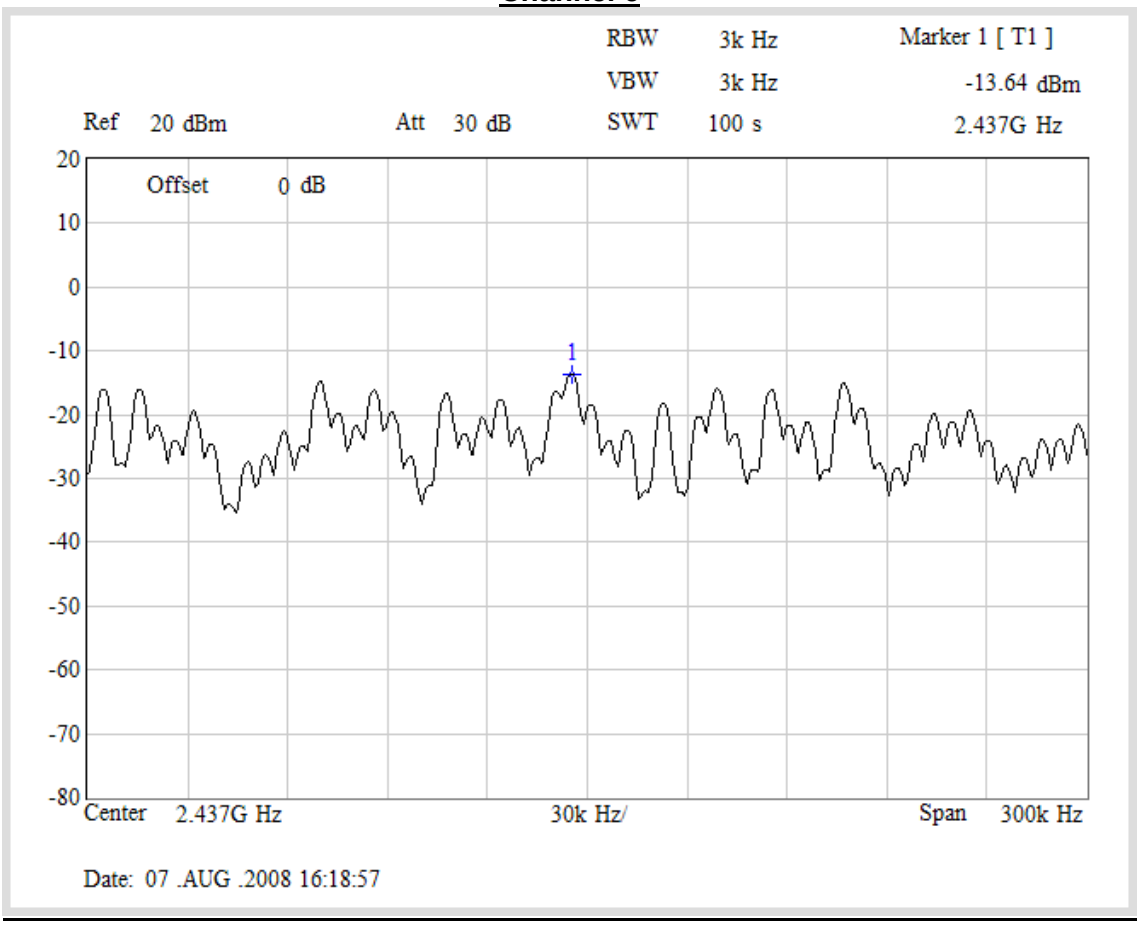
Product	ASUS SuperSpeedN Wireless Router		
Test Item	Power Density		
Test Mode	Transmit		
Date of Test	2008/08/07	Test Site	No.1 OATS

IEEE 802.11b				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
1	2412	-13.75	<8	Pass
6	2437	-13.64	<8	Pass
11	2462	-14.28	<8	Pass

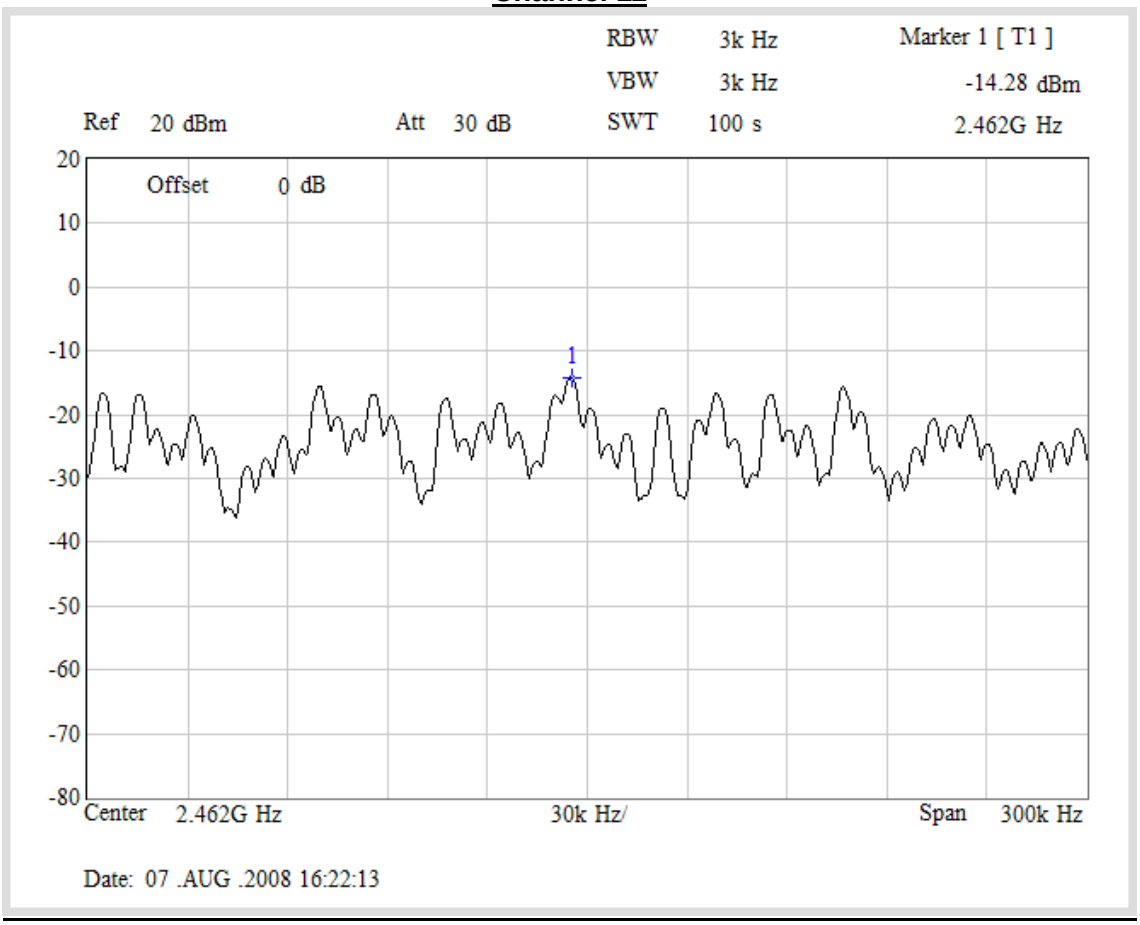
Channel 1



Channel 6


RBW 3k Hz
VBW 3k Hz
SWT 100 s
Marker 1 [T1]
-13.64 dBm
2.437G Hz
Ref 20 dBm
Att 30 dB
Offset 0 dB
20
10
0
-10
-20
-30
-40
-50
-60
-70
-80
1
Center 2.437G Hz
30k Hz/
Span 300k Hz
Date: 07 .AUG .2008 16:18:57

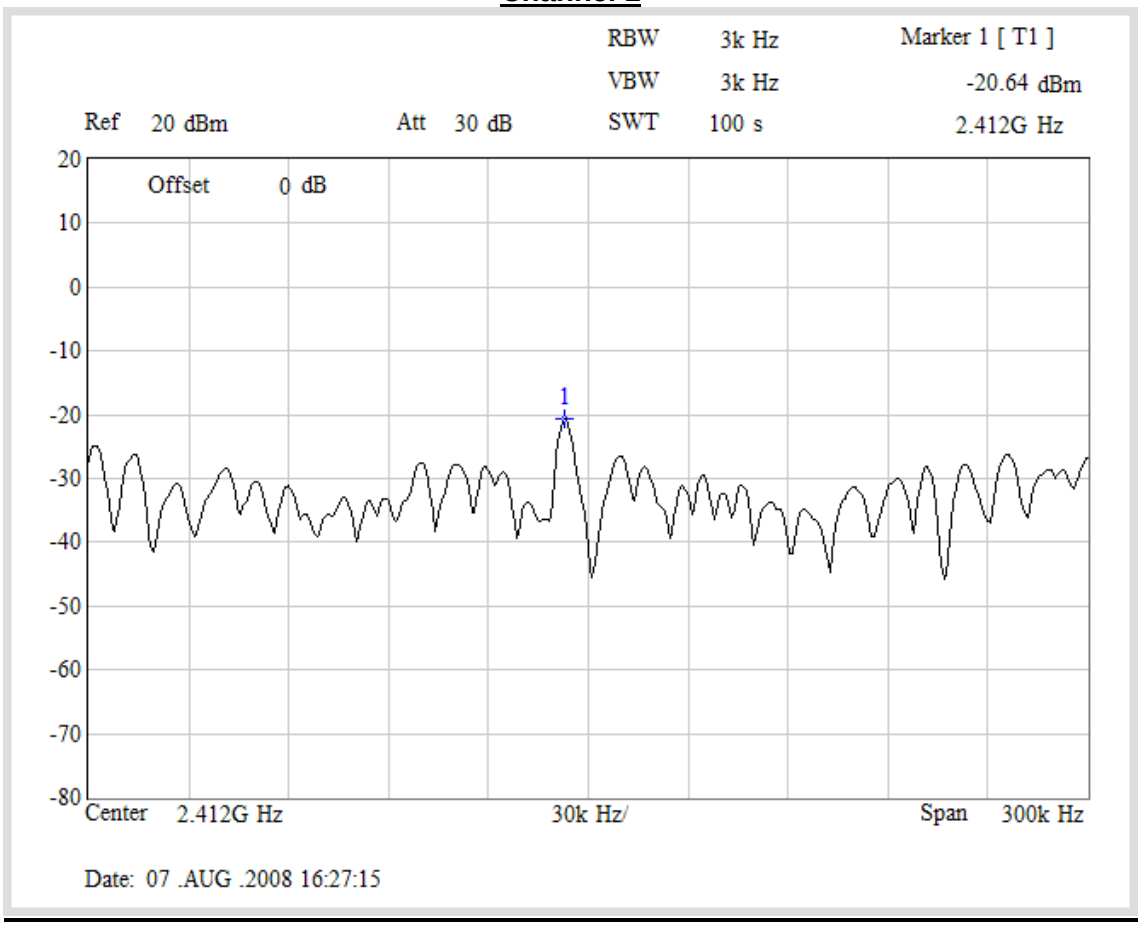
Channel 11


RBW 3k Hz
VBW 3k Hz
SWT 100 s
Marker 1 [T1]
-14.28 dBm
2.462G Hz
Ref 20 dBm
Att 30 dB
Offset 0 dB
20
10
0
-10
-20
-30
-40
-50
-60
-70
-80
1
Center 2.462G Hz
30k Hz/
Span 300k Hz
Date: 07 .AUG .2008 16:22:13

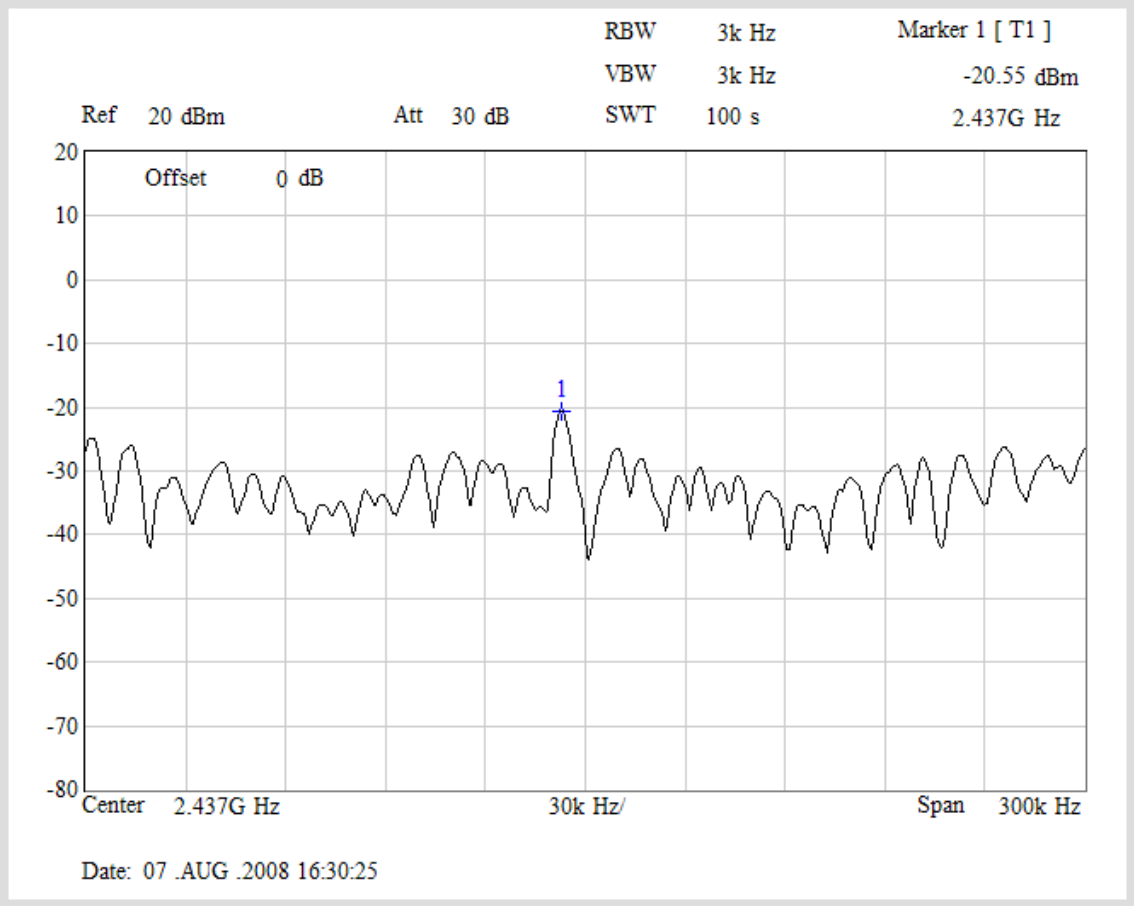
Product	ASUS SuperSpeedN Wireless Router		
Test Item	Power Density		
Test Mode	Transmit		
Date of Test	2008/08/07	Test Site	No.1 OATS

IEEE 802.11g				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
1	2412	-20.64	<8	Pass
6	2437	-20.55	<8	Pass
11	2462	-21.26	<8	Pass

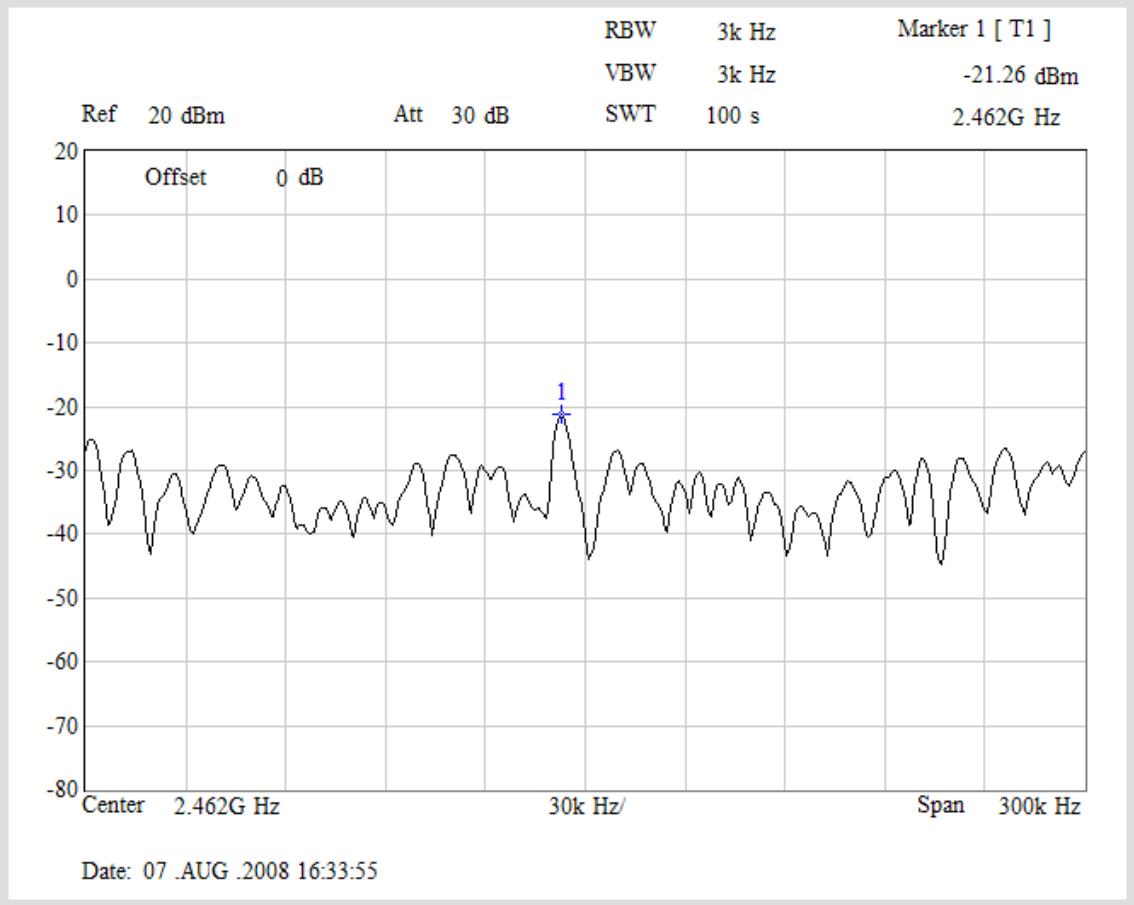
Channel 1



Channel 6


RBW 3k Hz
VBW 3k Hz
SWT 100 s
Marker 1 [T1]
-20.55 dBm
2.437G Hz
Ref 20 dBm
Att 30 dB
Offset 0 dB
20
10
0
-10
-20
-30
-40
-50
-60
-70
-80
1
Center 2.437G Hz
30k Hz/
Span 300k Hz
Date: 07 .AUG .2008 16:30:25

Channel 11


RBW 3k Hz
VBW 3k Hz
SWT 100 s
Marker 1 [T1]
-21.26 dBm
2.462G Hz
Ref 20 dBm
Att 30 dB
Offset 0 dB
20
10
0
-10
-20
-30
-40
-50
-60
-70
-80
1
Center 2.462G Hz
30k Hz/
Span 300k Hz
Date: 07 .AUG .2008 16:33:55

Product	ASUS SuperSpeedN Wireless Router		
Test Item	Power Density		
Test Mode	Transmit		
Date of Test	2008/08/07	Test Site	No.1 OATS

IEEE802.11n MCS15 20MHz_2Tx; ANT A					
Channel No.	Frequency (MHz)	Measure Level		Limit (dBm)	Result
		(dBm)	(mW)		
1	2412.00	-21.21	0.0076	<8	Pass
6	2437.00	-21.10	0.0078	<8	Pass
11	2462.00	-21.76	0.0067	<8	Pass

IEEE802.11n MCS15 20MHz_2Tx; ANT B					
Channel No.	Frequency (MHz)	Measure Level		Limit (dBm)	Result
		(dBm)	(mW)		
1	2412.00	-24.58	0.0035	<8	Pass
6	2437.00	-24.87	0.0033	<8	Pass
11	2462.00	-23.96	0.0040	<8	Pass

IEEE802.11n MCS15 20MHz_2Tx; ANT A + ANT B ; Note 1 & Note 2					
Channel No.	Frequency (MHz)	Measure Level		Limit(dBm)	Result
		(dBm)	(mW)		
1	2412	-19.57	0.0111	<8	Pass
6	2437	-19.58	0.0110	<8	Pass
11	2462	-19.71	0.0107	<8	Pass

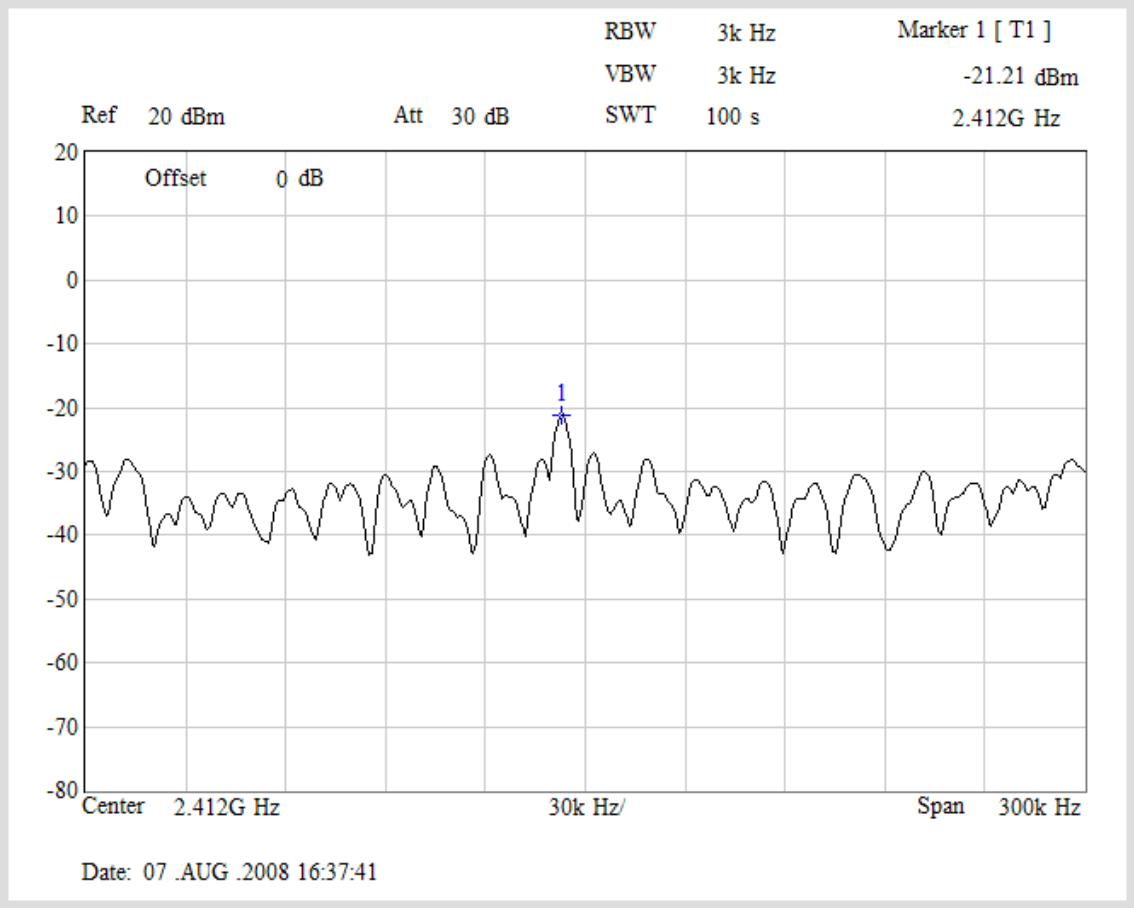
Note:

1.Measure Level (ANT A + ANT B)_mW = Measure Level ANT A _mW + Measure Level ANT B_mW

2.Measure Level (ANT A + ANT B)_dBm=10Log [Measure Level (ANT A + ANT B)_mW]

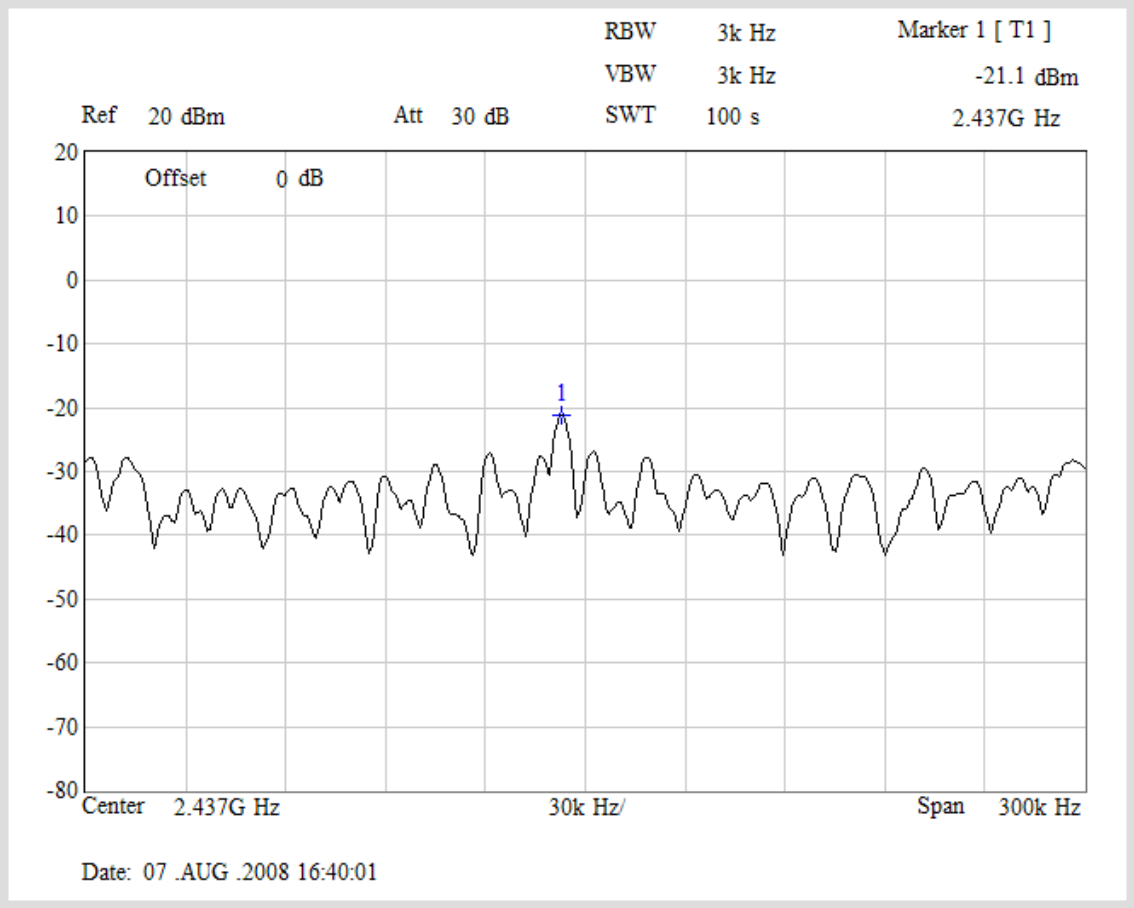
IEEE802.11n MCS15 20MHz_2Tx; ANT A

Channel 1



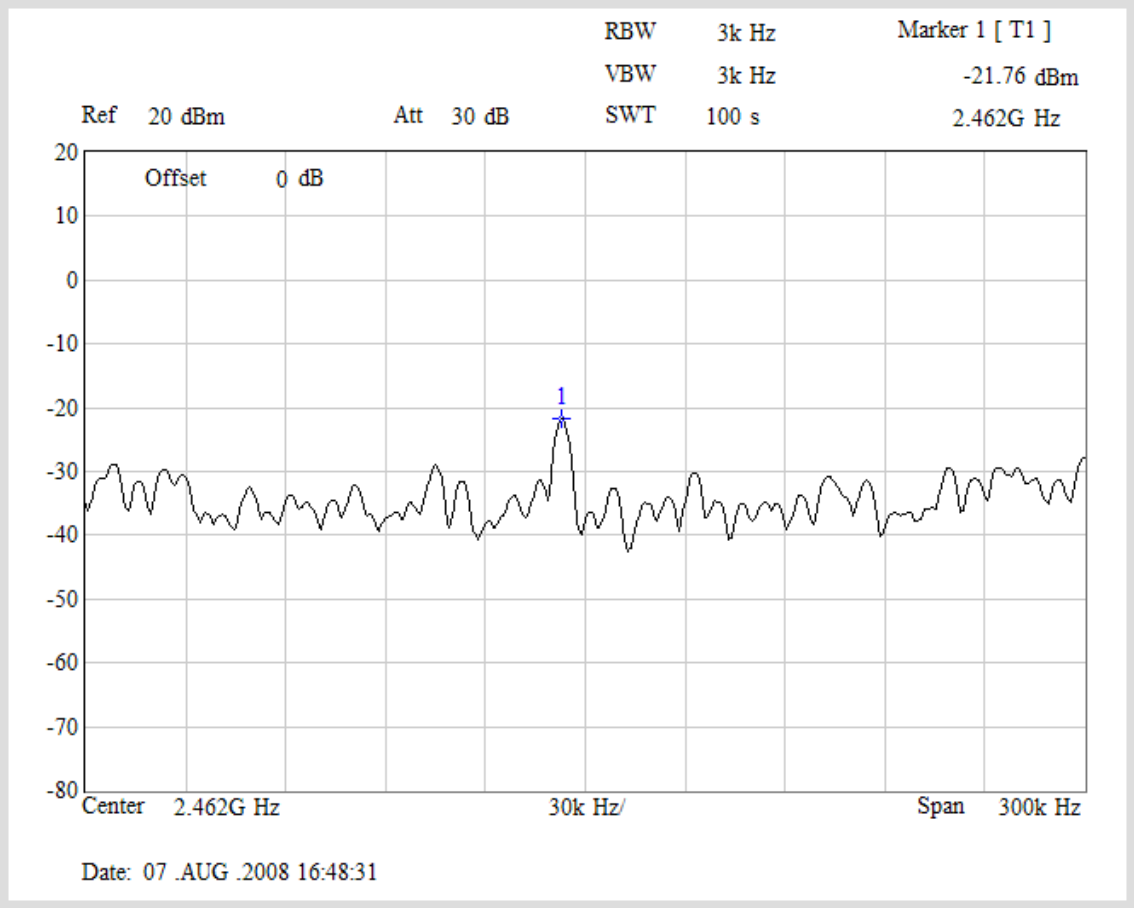
IEEE802.11n MCS15 20MHz_2Tx; ANT A

Channel 6



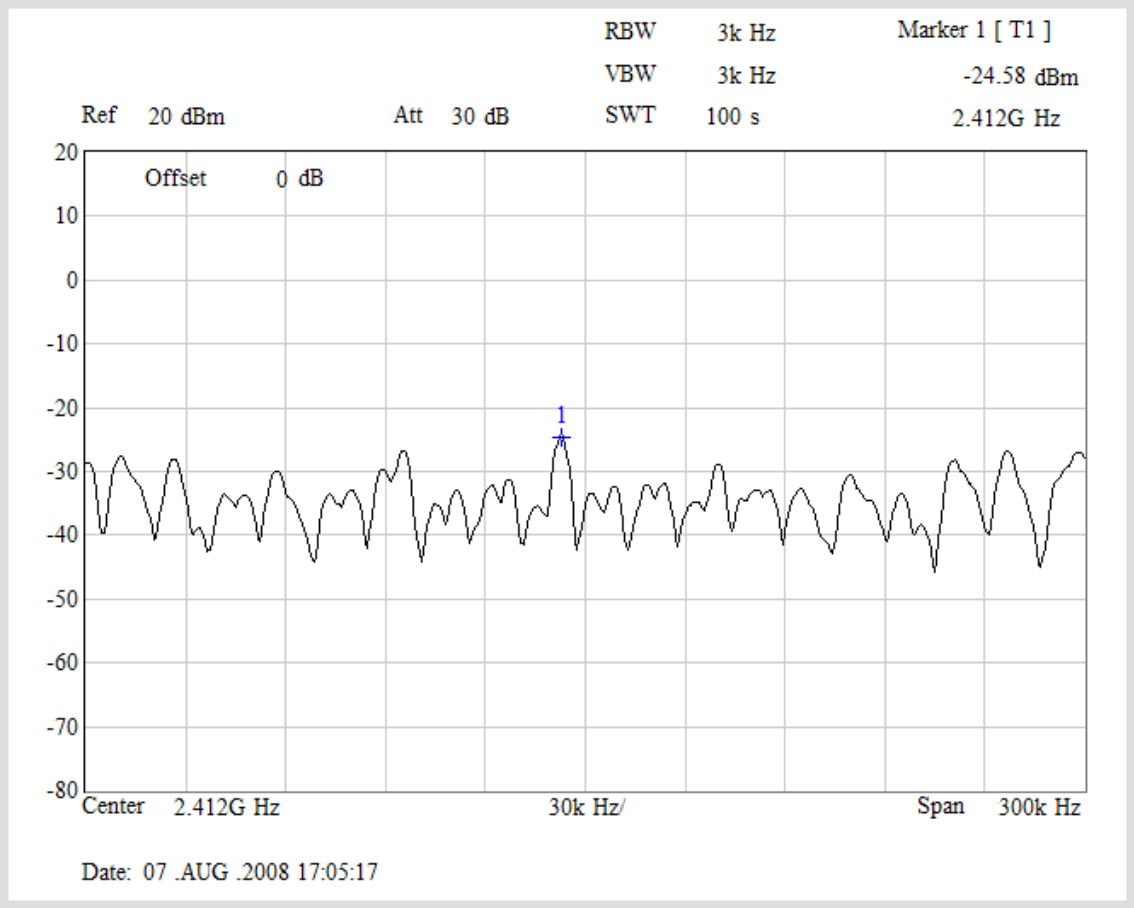
IEEE802.11n MCS15 20MHz_2Tx; ANT A

Channel 11



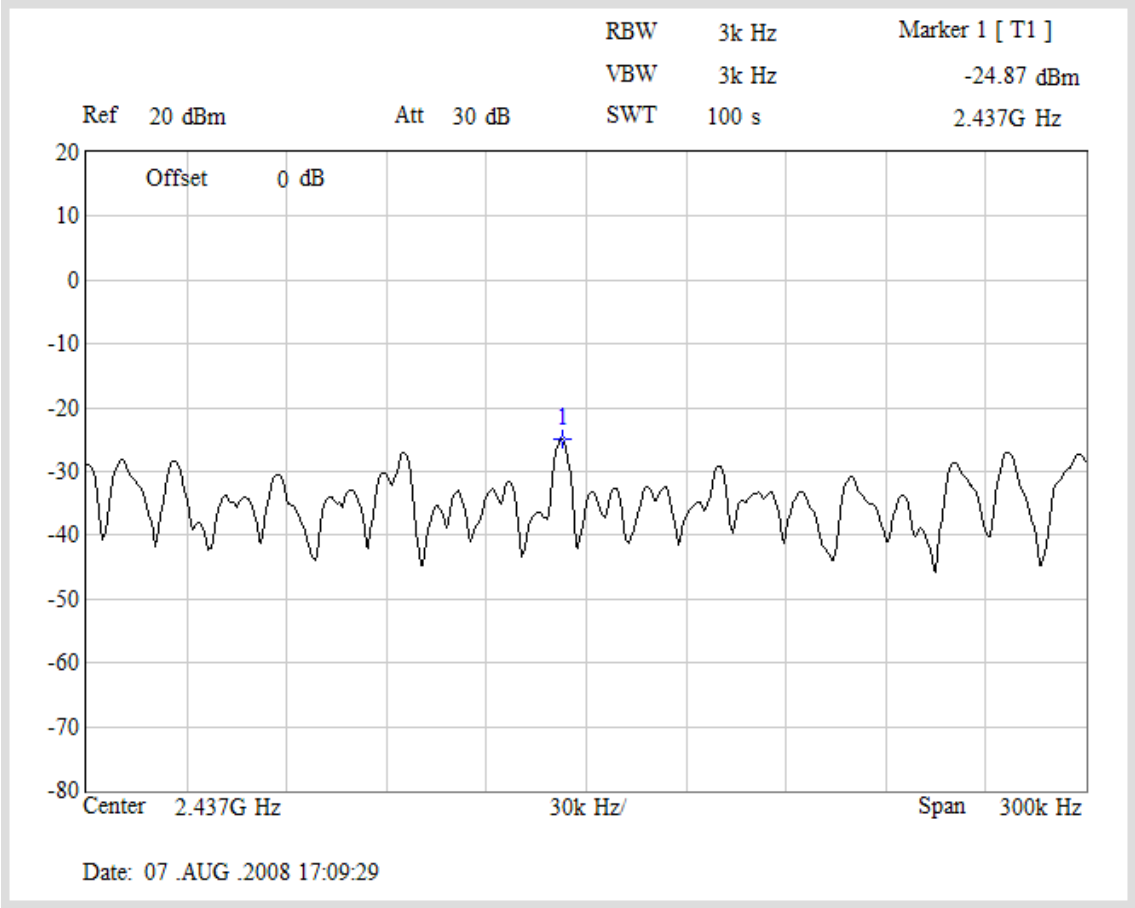
IEEE802.11n MCS15 20MHz_2Tx; ANT B

Channel 1



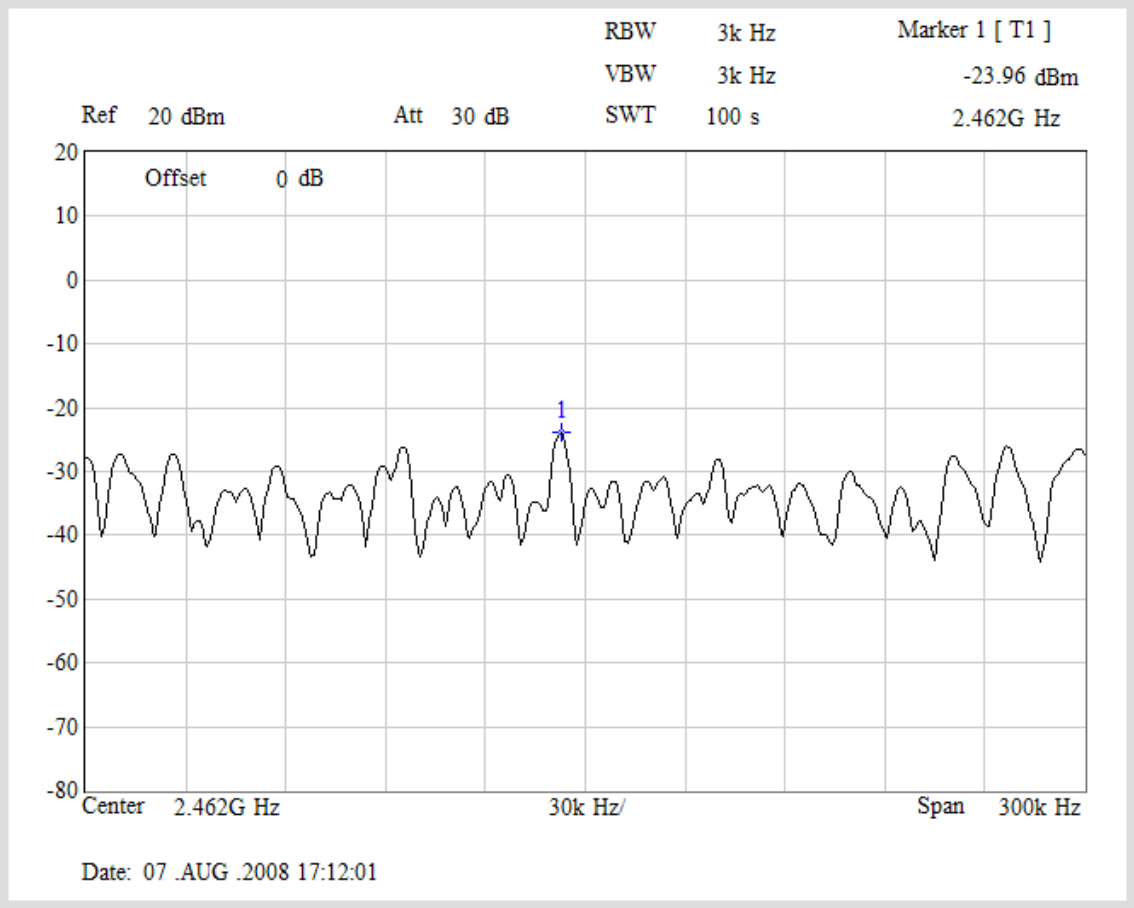
IEEE802.11n MCS15 20MHz_2Tx; ANT B

Channel 6



IEEE802.11n MCS15 20MHz_2Tx; ANT B

Channel 11



Product	ASUS SuperSpeedN Wireless Router		
Test Item	Power Density		
Test Mode	Transmit		
Date of Test	2008/08/07	Test Site	No.1 OATS

IEEE 802.11n MCS15 40MHz_2Tx ; ANT A					
Channel No.	Frequency (MHz)	Measure Level		Limit (dBm)	Result
		(dBm)	(mW)		
3	2422	-19.50	0.0112	<8	Pass
6	2437	-20.09	0.0098	<8	Pass
9	2452	-19.97	0.0101	<8	Pass

IEEE 802.11n MCS15 40MHz_2Tx ; ANT B					
Channel No.	Frequency (MHz)	Measure Level		Limit (dBm)	Result
		(dBm)	(mW)		
3	2422	-23.35	0.0046	<8	Pass
6	2437	-23.70	0.0043	<8	Pass
9	2452	-23.88	0.0041	<8	Pass

IEEE802.11n ;MCS15 40MHz_2Tx ; ANT A + ANT B					
Channel No.	Frequency (MHz)	Measure Level		Limit(dBm)	Result
		(dBm)	(mW)		
3	2422	-18.00	0.0158	<8	Pass
6	2437	-18.52	0.0141	<8	Pass
9	2452	-18.49	0.0142	<8	Pass

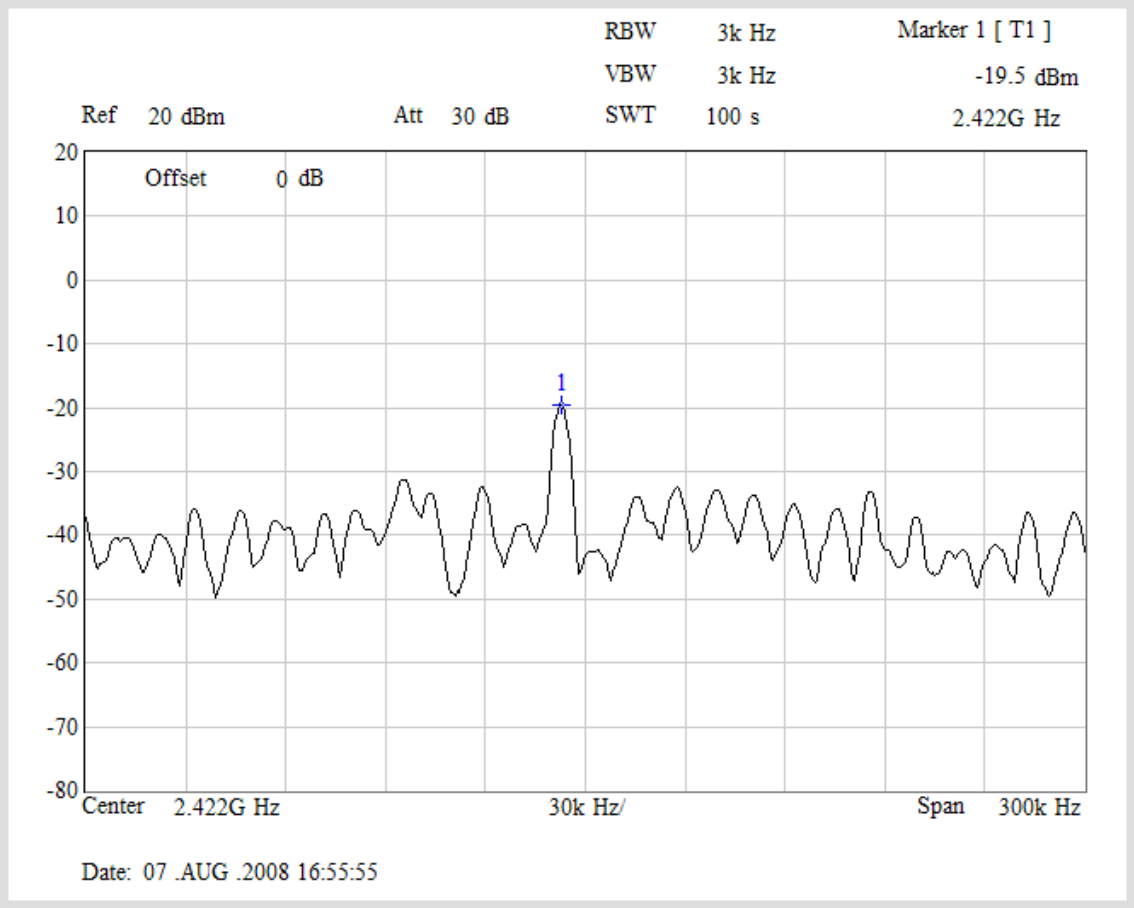
Note:

1.Measure Level (ANT A + ANT B)_mW = Measure Level ANT A _mW + Measure Level ANT B_mW

2.Measure Level (ANT A + ANT B)_dBm=10Log [Measure Level (ANT A + ANT B)_mW]

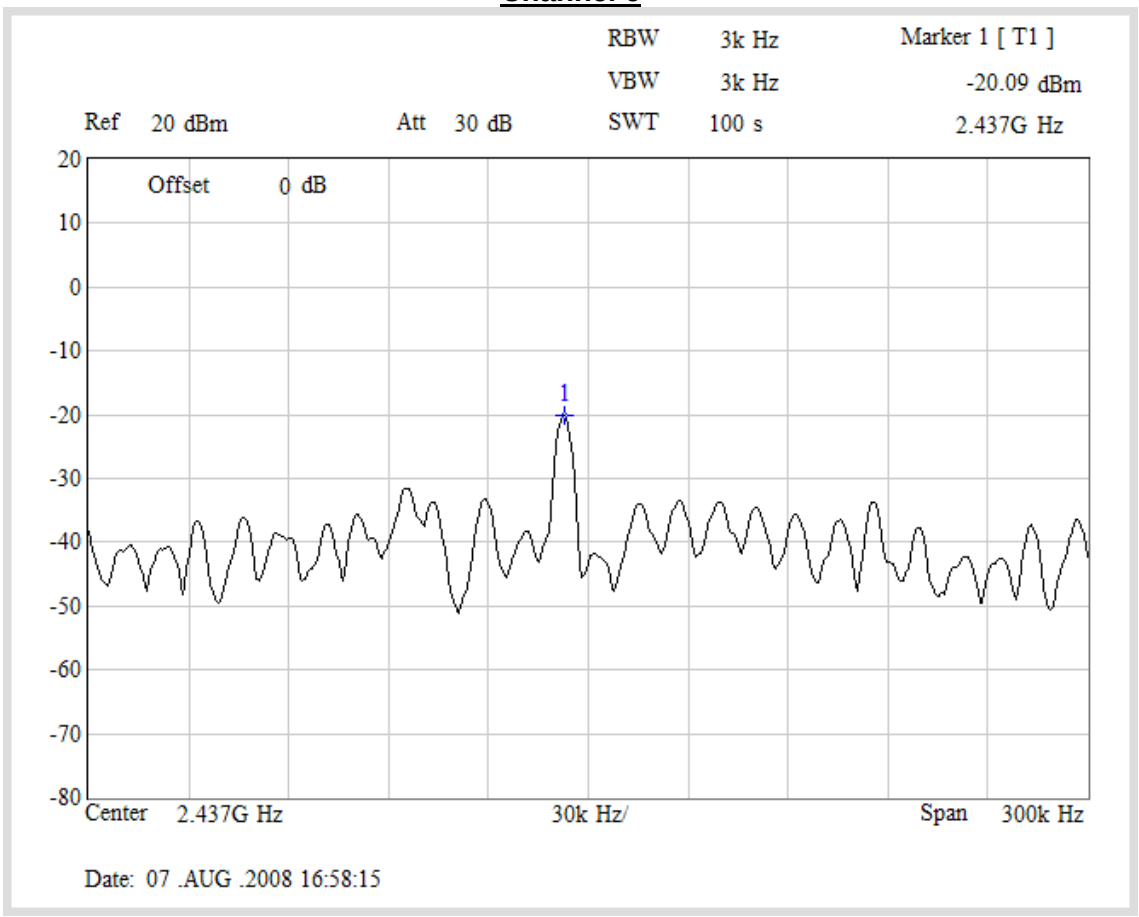
IEEE 802.11n MCS15 40MHz_2Tx ; ANT A

Channel 3



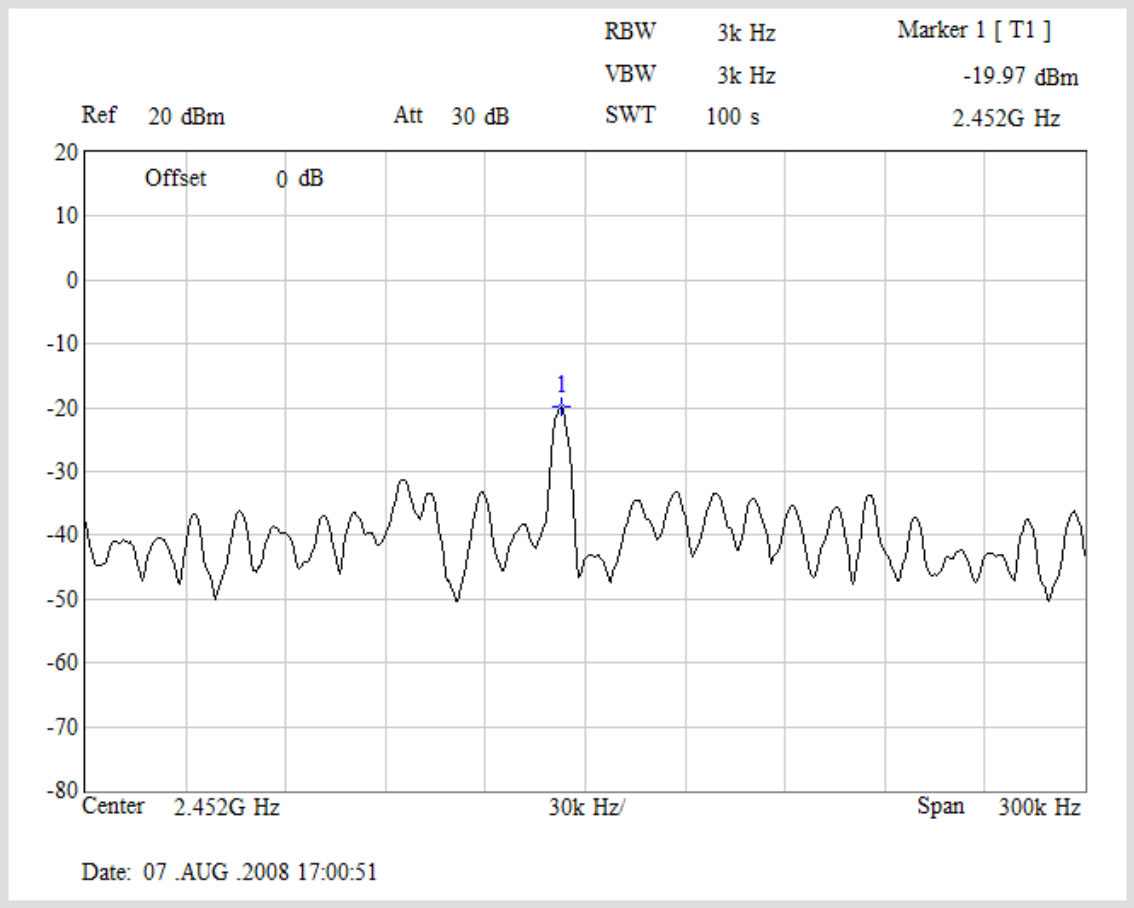
IEEE 802.11n MCS15 40MHz_2Tx ; ANT A

Channel 6



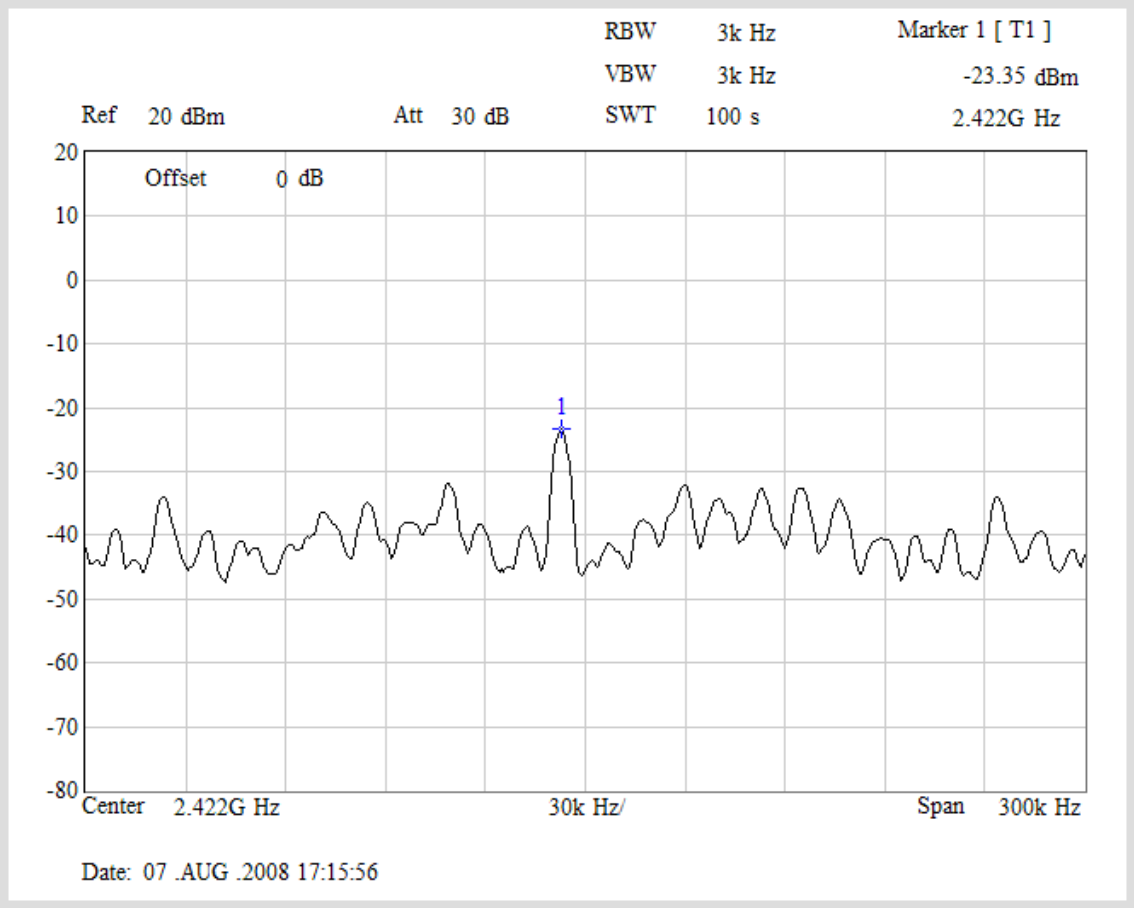
IEEE 802.11n MCS15 40MHz_2Tx ; ANT A

Channel 9



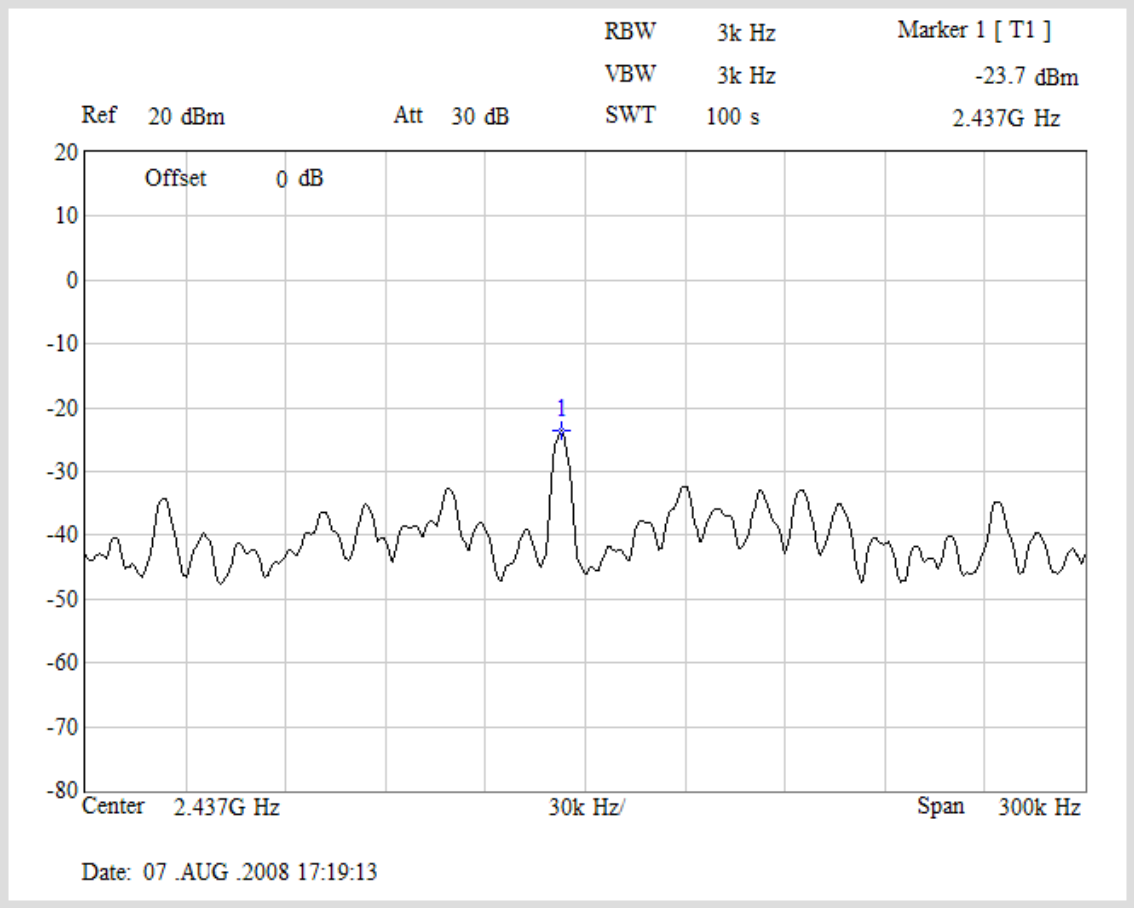
IEEE 802.11n MCS15 40MHz_2Tx ; ANT B

Channel 3



IEEE 802.11n MCS15 40MHz_2Tx ; ANT B

Channel 6



IEEE 802.11n MCS15 40MHz_2Tx ; ANT B

Channel 9