



## Test Report

Product Name : Dual-band Wireless-N Adapter  
Model No. : USB-N66  
FCC ID. : MSQ-USBN66

Applicant : ASUSTeK COMPUTER INC.

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

Date of Receipt : 2012/02/04  
Issued Date : 2012/03/16  
Report No. : 122109R-RFUSP42V01  
Report Version : V1.0

The test results relate only to the samples tested.

The test report shall not be reproduced except in full without the written approval of Quietek Corporation.

# Test Report Certification

Issued Date : 2012/03/16

Report No. : 122109R-RFUSP42V01



Product Name : Dual-band Wireless-N Adapter  
 Applicant : ASUSTeK COMPUTER INC.  
 Address : No. 15, Li-Te Rd., Peitou, Taipei 112, Taiwan R.O.C.  
 Manufacturer : ASUSTeK COMPUTER INC.  
 Model No. : USB-N66  
 FCC ID. : MSQ-USBN66  
 EUT Voltage : DC 5V (Power by PC)  
 Trade Name : ASUS  
 Applicable Standard : FCC CFR Title 47 Part 15 Subpart C Section 15.247:2010  
 ANSI C63.4: 2009  
 Test Result : Complied

The test results relate only to the samples tested.

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Documented By :

( Carol Tsai / Adm. Specialist)

Reviewed By :

( Chris Liu / Engineer )

Approved By :

( Roy Wang / Manager )

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## 1. General Information

### 1.1. EUT Description

Product Name	Dual-band Wireless-N Adapter
Product Type	WLAN(3TX,3RX)
Trade Name	ASUS
Model No.	USB-N66
Frequency Range -IEEE 802.11b/g & IEEE 802.11n (20MHz) _2.4GHz	2412~2462MHz
Frequency Range- IEEE 802.11n (40MHz) _2.4GHz	2422~2452MHz
Frequency Range -IEEE 802.11a & IEEE 802.11n (20MHz) _5.8GHz	5745~5825MHz
Frequency Range- IEEE 802.11n (40MHz) _5.8GHz	5755~5795MHz
Channel Number - IEEE 802.11b/g & IEEE 802.11n (20MHz) _2.4GHz	11
Channel Number- IEEE 802.11n (40MHz) _2.4GHz	7
Channel Number - IEEE 802.11a & IEEE 802.11n (20MHz) _5.8GHz	5
Channel Number - IEEE 802.11n (40MHz) _5.8GHz	2
Type of Modulation (IEEE 802.11b)	Direct Sequence Spread Spectrum (DSSS)
Type of Modulation (IEEE 802.11a/g/n)	Orthogonal Frequency Division Multiplexing (OFDM)
Data Speed (IEEE 802.11b)	1Mbps, 2Mbps, 5.5Mbps, 11Mbps
Data Speed (IEEE 802.11a/g)	6Mbps,9Mbps,12Mbps,18Mbps,24Mbps,36Mbps,48Mbps,54Mbps
Data Speed (IEEE 802.11n)	Support a subset of the combination of GI, MCS 0~MCS 23 and bandwidth defined in 802.11n
Antenna Gain	2.4G: 2dBi / 5G: 4dBi
Channel Control	AUTO/Manual
Antenna Type	Dual band dipole antenna

Component	
USB Cable	Shielded, 0.5m



**IEEE 802.11n**

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

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

Table 1 – MCS parameters for TX Antenna number = 1

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

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

Table 2 – MCS parameters for TX Antenna number = 2

MCS Index	Modulation	R	N <sub>BPSCS</sub>	N <sub>CBPS</sub>		N <sub>DBPS</sub>		Data Rate(Mb/s)			
				20MHz	40MHz	20MHz	40MHz	800ns GI		400ns GI (Note1)	
								20MHz	40MHz	20MHz	40MHz
16	BPSK	1/2	1	156	324	78	162	19.5	40.5	21.7	45.0
17	QPSK	1/2	2	312	648	156	324	39.0	81.0	43.3	90.0
18	QPSK	3/4	2	312	648	234	486	58.5	121.5	65.0	135.0
19	16-QAM	1/2	4	624	1296	312	648	78.0	162.0	86.7	180.0
20	16-QAM	3/4	4	624	1296	468	972	117.0	243.0	130.0	270.0
21	64-QAM	2/3	6	936	1944	624	1296	156.0	324.0	173.3	360.0
22	64-QAM	3/4	6	936	1944	702	1458	175.5	364.5	195.0	405.0
23	64-QAM	5/6	6	936	1944	780	1620	195.0	405.0	216.7	450.0

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

Table 3 – MCS parameters for TX Antenna number = 3

Symbol	Explanation
R	Code rate
N <sub>BPSC</sub>	Number of coded bits per single carrier
N <sub>CBPS</sub>	Number of coded bits per symbol
N <sub>DBPS</sub>	Number of data bits per symbol
GI	guard interval

## IEEE 802.11b/g &amp; IEEE 802.11n (20MHz) - 2.4GHz

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) - 2.4GHz

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		

## IEEE 802.11a &amp; IEEE 802.11n (20MHz) - 5.8GHz

Working Frequency of Each Channel							
Channel	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency
149	5745 MHz	153	5765 MHz	157	5785 MHz	161	5805 MHz
165	5825 MHz						

## IEEE 802.11n (40MHz) - 5.8GHz

Working Frequency of Each Channel							
Channel	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency
151	5755 MHz	159	5795 MHz				

## Note:

1. This device is a Dual-band Wireless-N Adapter including 2.4GHz b/g/n and 5GHz a/n (3x3) 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. The function of the 5.2GHz transmitting is measured and makes a test report of the report number: 122109R-RFUSP46V01.
5. This device is a composite device in accordance with Part 15 regulations. The receiving function receiving was tested and its test report number is 122109R-RFUSP37V02 under Declaration of Conformity.

### 1.3. Test Mode

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

TX	Mode 1: Transmit
----	------------------

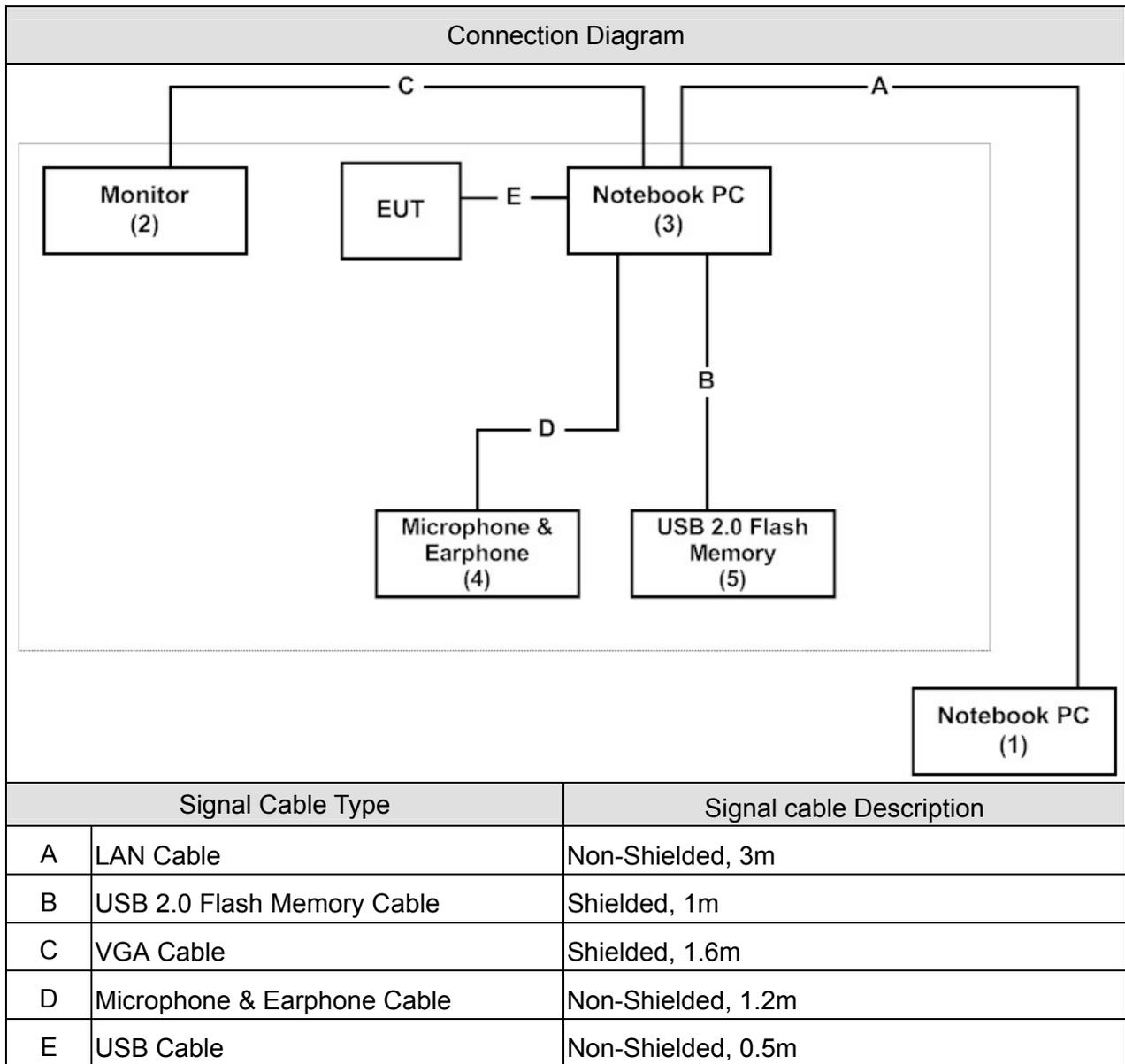
Test Items	Mode	Channel	Antenna	Result
Conducted Emission	11n(40MHz)	6/ 151	0/1/2	Complies
Peak Power Output	a	149/ 157/ 165	0	Complies
	b/g	1/6/11	0	Complies
	11n(20MHz)	1/ 6/ 11/ 149/ 157/ 165	0+1+2	Complies
	11n(40MHz)	3/ 6/ 9/ 151/ 159	0+1+2	Complies
Radiated Emission (under1G)	a	157	0	Complies
	b/g	6	0	Complies
	11n(20MHz)	6/ 157	0/1/2	Complies
	11n(40MHz)	6/ 151	0/1/2	Complies
Radiated Emission (above1G)	a	149/ 157/ 165	0	Complies
	b/g	1/ 6/ 11	0	Complies
	11n(20MHz)	1/ 6/ 11/ 149/ 157/ 165	0/1/2	Complies
	11n(40MHz)	3/ 6/ 9/ 151/ 159	0/1/2	Complies
RF antenna conducted test	a	149/ 165	0	Complies
	b/g	1/ 11	0	Complies
	11n(20MHz)	1/ 11/ 149/ 165	0/1/2	Complies
	11n(40MHz)	3/ 9/ 151/ 159	0/1/2	Complies
Radiated Emission Band Edge	b/g	1/ 11	0	Complies
	11n(20MHz)	1/ 11	0/1/2	Complies
	11n(40MHz)	3/ 9	0/1/2	Complies
Occupied Bandwidth	a	149/ 157/ 165	0	Complies
	b/g	1/ 6/ 11	0	Complies
	11n(20MHz)	1/ 6/ 11/ 149/ 157/ 165	0/1/2	Complies
	11n(40MHz)	3/ 6/ 9/ 151/ 159	0/1/2	Complies
Power Density	a	149/ 157/ 165	0	Complies
	b/g	1/ 6/ 11	0	Complies
	11n(20MHz)	1/ 6/ 11/ 149/ 157/ 165	0+1+2	Complies
	11n(40MHz)	3/ 6/ 9/ 151/ 159	0+1+2	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 IC	Power Cord
1 Notebook PC	DELL	PP37L	CD8BNG1	DoC	Non-Shielded, 1.8m
2 Monitor	CHI MEI	A170E1-09	3UC120954 XA0131	DoC	Non-Shielded, 1.8m
3 Notebook PC	HP	HSTNN-146C	CNU8253S 1X	DoC	Non-Shielded, 1.8m
4 Microphone & Earphone	TOKTO	SX-MI	N/A	DoC	--
5 USB 2.0 Flash Memory	Sony	USM2GJX	N/A	DoC	--

1.5. Configuration of tested System



## 1.6. EUT Exercise Software

1	Setup the EUT as shown in Section 1.5.
2	Execute the "RT3573QA" program on the EUT.
3	Configure the test mode, the test channel, and the data rate.
4	Press "Start TX" to start the continuous transmitting.
5	Verify that the EUT works properly.

**1.7. Test Facility**

Ambient conditions in the laboratory:

Items	Test Item	Required (IEC 68-1)	Actual
Temperature (°C)	FCC PART 15 C 15.207 Conducted Emission	15 - 35	20
Humidity (%RH)		25 - 75	50
Barometric pressure (mbar)		860 - 1060	950-1000
Temperature (°C)	FCC PART 15 C 15.247 Peak Power Output (DSSS)	15 - 35	25
Humidity (%RH)		25 - 75	45
Barometric pressure (mbar)		860 - 1060	950-1000
Temperature (°C)	FCC PART 15 C 15.247 Radiated Emission (DSSS)	15 - 35	25
Humidity (%RH)		25 - 75	65
Barometric pressure (mbar)		860 - 1060	950-1000
Temperature (°C)	FCC PART 15 C 15.247 RF antenna conducted test (DSSS)	15 - 35	25
Humidity (%RH)		25 - 75	45
Barometric pressure (mbar)		860 - 1060	950-1000
Temperature (°C)	FCC PART 15 C 15.247 Band Edge (DSSS)	15 - 35	25
Humidity (%RH)		25 - 75	48
Barometric pressure (mbar)		860 - 1060	950-1000
Temperature (°C)	FCC PART 15 C 15.247 Occupied Bandwidth (DSSS)	15 - 35	25
Humidity (%RH)		25 - 75	45
Barometric pressure (mbar)		860 - 1060	950-1000
Temperature (°C)	FCC PART 15 C 15.247 Power Density (DSSS)	15 - 35	25
Humidity (%RH)		25 - 75	45
Barometric pressure (mbar)		860 - 1060	950-1000

Site Description: September 27, 2010 File on  
Federal Communications Commission  
Laboratory Division  
7435 Oakland Mills Road  
Columbia, MD 21046  
Registration Number: 365520



Accredited by TAF  
Accreditation Number: 1313  
Effective through: December 27, 2013



Accredited by NVLAP  
NVLAP Lab Code: 200347-0  
Effective through: September 30, 2012



Site Name: Quietek Corporation  
Site Address: No. 75-2, 3rd Lin, Wangye Keng, Yonghxing  
Tsuen, Qionglin Shiang, Hsinchu County 307, Taiwan  
TEL : 886-3-5928858 / FAX : 886-3-5928859  
E-Mail : service@quietek.com

**2. Conducted Emission**

**2.1. Test Equipment**

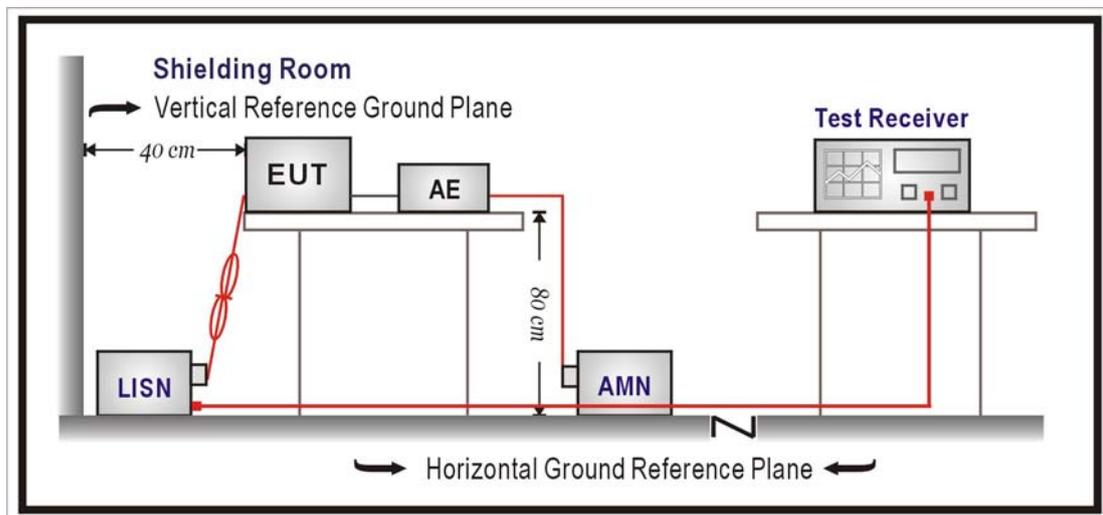
The following test equipments are used during the test:

Conducted Emission / SR3

Instrument	Manufacturer	Model No.	Serial No	Next Cal. Date
LISN	R&S	ENV216	100096	2012/09/06
LISN	R&S	ESH3-Z5	836679/022	2013/02/06
Test Receiver	R&S	ESCS 30	825442/017	2013/01/01

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

**2.2. Test Setup**



**2.3. Limits**

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

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

**2.4. Test Procedure**

The EUT was setup according to ANSI C63.4: 2009 and tested according to DTS test procedure of Jan. 2012 KDB558074 for compliance to FCC 47CFR 15.247 requirements. The EUT was placed on a platform of nominal size, 1 m by 1.5 m, raised 80 cm above the conducting ground plane. The vertical conducting plane was located 40 cm to the rear of the EUT. All other surfaces of EUT were at least 80 cm from any other grounded conducting surface. The EUT and simulators are connected to the main power through a line impedance stabilization network (LISN). The LISN provides a 50 ohm /50uH coupling impedance for the measuring equipment. The peripheral devices are also connected to the main power through a LISN. (Please refer to the block diagram of the test setup and photographs.) Each current-carrying conductor of the EUT power cord, except the ground (safety) conductor, was individually connected through a LISN to the input power source. The excess length of the power cord between the EUT and the LISN receptacle were folded back and forth at the center of the lead to form a bundle not exceeding 40 cm in length. Conducted emissions were investigated over the frequency range from 0.15MHz to 30MHz using a receiver bandwidth of 9 kHz.

**2.5. Test Specification**

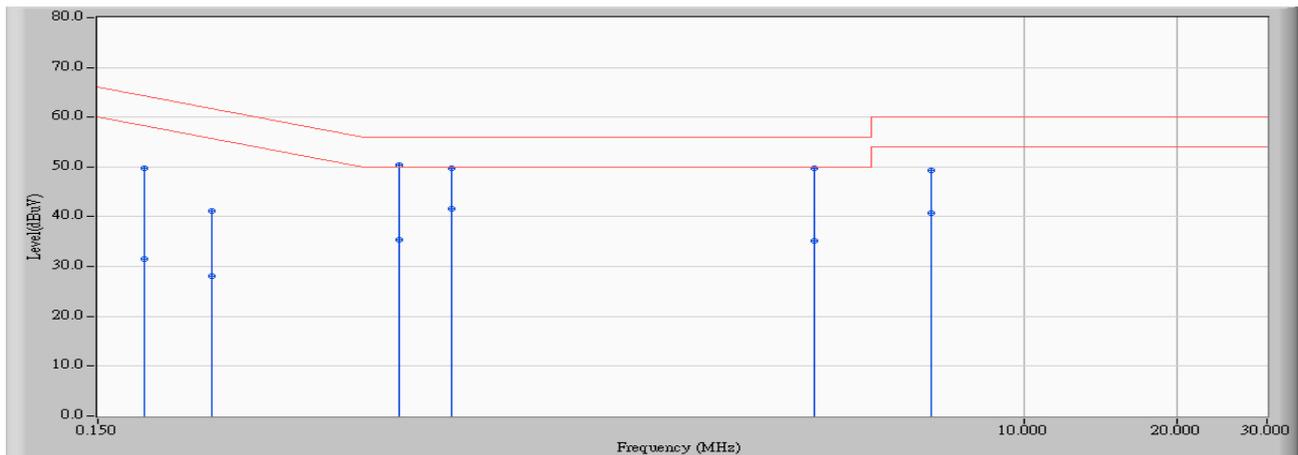
According to FCC Part 15 Subpart C Paragraph 15.207: 2010

**2.6. Uncertainty**

The measurement uncertainty is defined as  $\pm 2.26$  dB.

## 2.7. Test Result

Site : SR3	Time : 2012/02/09 - 09:51
Limit : CISPR_B_00M_QP	Margin : 6
Probe : SR3_LISN(16A)-1_0907 - Line1	Power : AC 120V/60Hz
EUT : Dual-band Wireless-N Adapter	Note : 2.4G

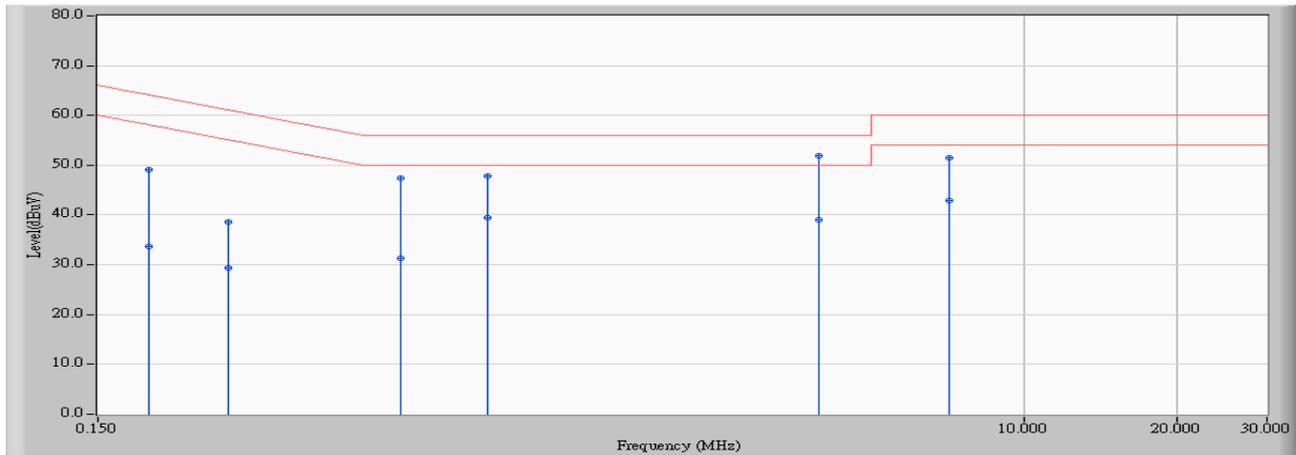


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1	0.185	9.656	40.070	49.726	-14.525	64.251	QUASPEAK
2	0.185	9.656	21.780	31.436	-22.815	54.251	AVERAGE
3	0.252	9.664	31.570	41.234	-20.471	61.705	QUASPEAK
4	0.252	9.664	18.430	28.094	-23.611	51.705	AVERAGE
5	0.588	9.715	40.670	50.385	-5.615	56.000	QUASPEAK
6	0.588	9.715	25.720	35.435	-10.565	46.000	AVERAGE
7	0.744	9.740	40.100	49.840	-6.160	56.000	QUASPEAK
8	* 0.744	9.740	31.930	41.670	-4.330	46.000	AVERAGE
9	3.849	10.007	39.830	49.837	-6.163	56.000	QUASPEAK
10	3.849	10.007	25.110	35.117	-10.883	46.000	AVERAGE
11	6.560	10.080	39.220	49.301	-10.699	60.000	QUASPEAK
12	6.560	10.080	30.670	40.751	-9.249	50.000	AVERAGE

**Note:**

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

Site : SR3	Time : 2012/02/09 - 09:54
Limit : CISPR_B_00M_QP	Margin : 6
Probe : SR3_LISN(16A)-1_0907 - Line2	Power : AC 120V/60Hz
EUT : Dual-band Wireless-N Adapter	Note : 2.4G

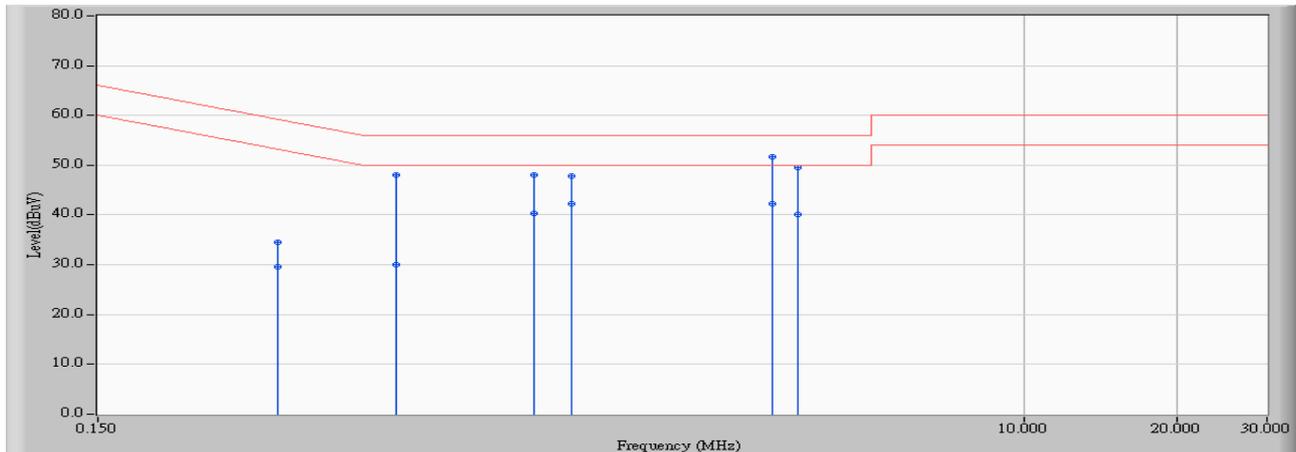


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1	0.189	9.666	39.440	49.107	-14.971	64.078	QUASPEAK
2	0.189	9.666	24.010	33.677	-20.401	54.078	AVERAGE
3	0.271	9.677	28.960	38.637	-22.447	61.084	QUASPEAK
4	0.271	9.677	19.790	29.467	-21.617	51.084	AVERAGE
5	0.591	9.723	37.670	47.393	-8.607	56.000	QUASPEAK
6	0.591	9.723	21.550	31.273	-14.727	46.000	AVERAGE
7	0.880	9.763	38.080	47.843	-8.157	56.000	QUASPEAK
8	0.880	9.763	29.660	39.423	-6.577	46.000	AVERAGE
9	* 3.923	10.030	41.820	51.849	-4.151	56.000	QUASPEAK
10	3.923	10.030	28.910	38.939	-7.061	46.000	AVERAGE
11	7.103	10.130	41.300	51.429	-8.571	60.000	QUASPEAK
12	7.103	10.130	32.840	42.969	-7.031	50.000	AVERAGE

**Note:**

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

Site : SR3	Time : 2012/02/09 - 13:23
Limit : CISPR_B_00M_QP	Margin : 6
Probe : SR3_LISN(16A)-1_0907 - Line1	Power : AC 120V/60Hz
EUT : Dual-band Wireless-N Adapter	Note : 5.8G

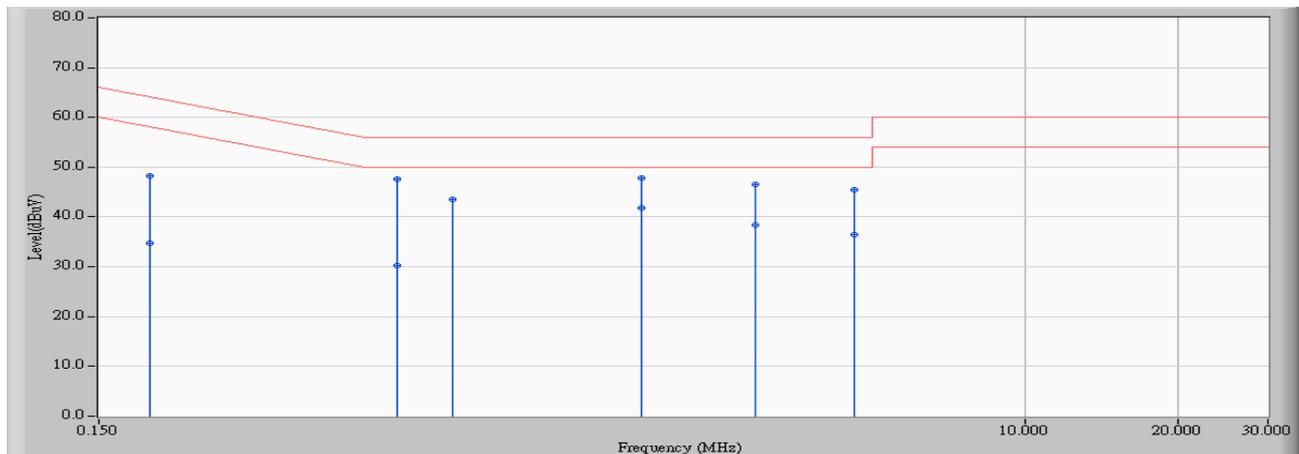


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1	0.338	9.677	24.950	34.627	-24.638	59.265	QUASPEAK
2	0.338	9.677	19.980	29.657	-19.608	49.265	AVERAGE
3	0.580	9.714	38.300	48.014	-7.986	56.000	QUASPEAK
4	0.580	9.714	20.390	30.104	-15.896	46.000	AVERAGE
5	1.080	9.792	38.260	48.052	-7.948	56.000	QUASPEAK
6	1.080	9.792	30.480	40.272	-5.728	46.000	AVERAGE
7	1.287	9.823	37.940	47.763	-8.237	56.000	QUASPEAK
8	1.287	9.823	32.330	42.153	-13.847	56.000	AVERAGE
9	* 3.181	9.979	41.720	51.699	-4.301	56.000	QUASPEAK
10	3.181	9.979	32.180	42.159	-13.841	56.000	AVERAGE
11	3.587	9.996	39.530	49.526	-6.474	56.000	QUASPEAK
12	3.587	9.996	30.200	40.196	-5.804	46.000	AVERAGE

**Note:**

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

Site : SR3	Time : 2012/02/09 - 13:26
Limit : CISPR_B_00M_QP	Margin : 6
Probe : SR3_LISN(16A)-1_0907 - Line2	Power : AC 120V/60Hz
EUT : Dual-band Wireless-N Adapter	Note : 5.8G



	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1	0.189	9.666	38.680	48.347	-15.731	64.078	QUASPEAK
2	0.189	9.666	24.980	34.647	-19.431	54.078	AVERAGE
3	0.580	9.721	37.910	47.631	-8.369	56.000	QUASPEAK
4	0.580	9.721	20.580	30.301	-15.699	46.000	AVERAGE
5	0.744	9.744	33.730	43.474	-12.526	56.000	QUASPEAK
6	1.759	9.894	37.870	47.764	-8.236	56.000	QUASPEAK
7	* 1.759	9.894	31.940	41.834	-4.166	46.000	AVERAGE
8	2.931	9.978	36.540	46.518	-9.482	56.000	QUASPEAK
9	2.931	9.978	28.520	38.498	-7.502	46.000	AVERAGE
10	4.599	10.064	35.350	45.414	-10.586	56.000	QUASPEAK
11	4.599	10.064	26.480	36.544	-9.456	46.000	AVERAGE

**Note:**

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

**3. Peak Power Output**

**3.1. Test Equipment**

The following test equipments are used during the test:

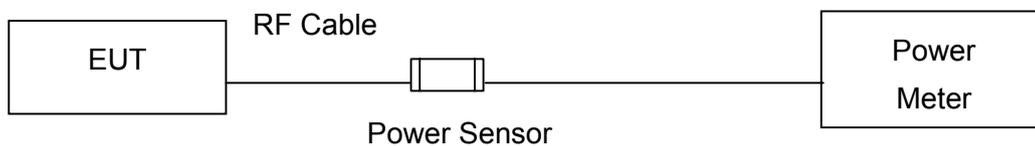
Peak Power / SR7

Instrument	Manufacturer	Model No.	Serial No	Next Cal. Date
Power Meter	Agilent	N1911A	MY45101353	2012/12/18
Power Sensor	Agilent	N1921A	MY45241670	2012/12/15

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

**3.2. Test Setup**

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



**3.3. Test procedures**

The EUT was tested according to DTS test procedure of Jan. 2012 KDB558074, Section 5.2.1.2 Measurement Procedure PK2 for compliance to FCC 47CFR 15.247 requirements.

**3.4. Limits**

The maximum peak power shall be less 1 Watt.

**3.5. Test Specification**

According to FCC Part 15 Subpart C Paragraph 15.247: 2010

**3.6. Uncertainty**

The measurement uncertainty is defined as  $\pm 1.27$  dB.

**3.7. Test Result**

Product	Dual-band Wireless-N Adapter		
Test Item	Peak Power Output		
Test Mode	Mode 1: Transmit		
Date of Test	2012/03/06	Test Site	SR7

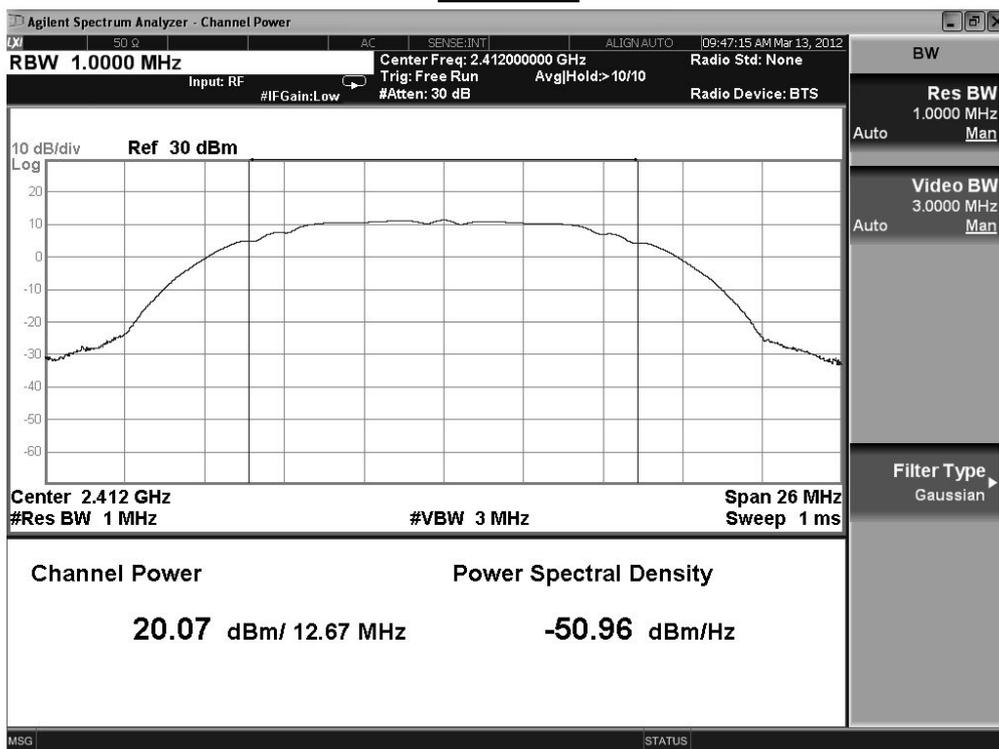
IEEE 802.11b				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
1	2412	20.07	1Watt= 30 dBm	Pass
6	2437	19.76	1Watt= 30 dBm	Pass
11	2462	19.32	1Watt= 30 dBm	Pass

The worst emission of data rate is 1Mbps.

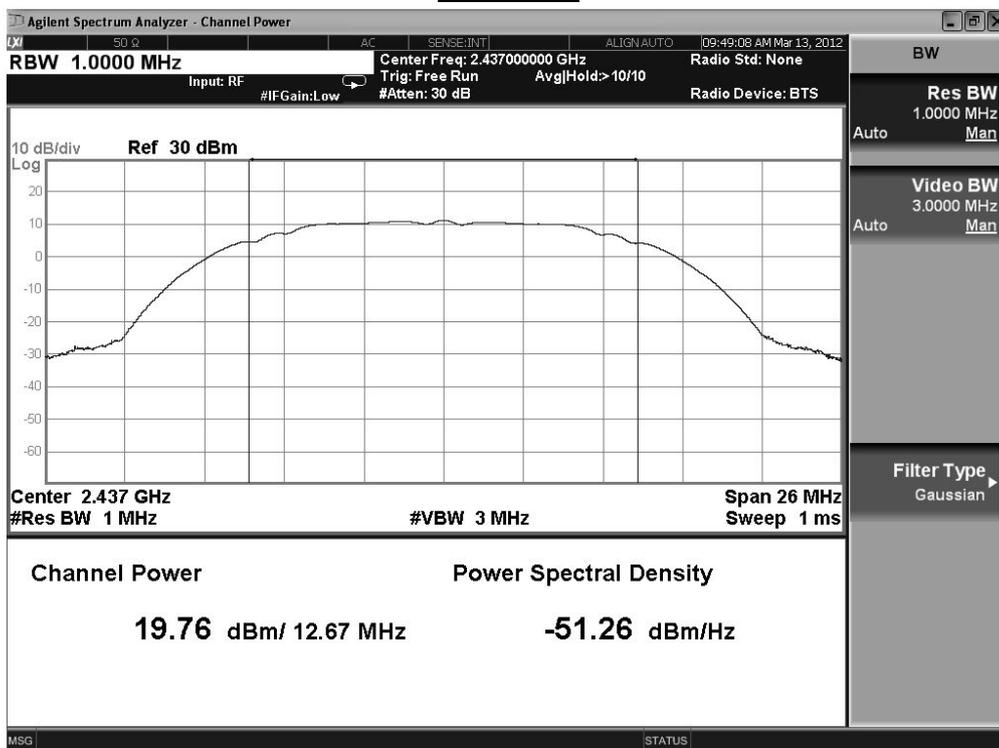
Peak Power Output Value (dBm)						
Channel No.	Frequency (MHz)	Data Rate				Required Limit
		1	2	5.5	11	
1	2412	20.07	--	--	-	1Watt= 30 dBm
6	2437	19.76	19.75	19.63	19.52	1Watt= 30 dBm
11	2462	19.32	--	--	-	1Watt= 30 dBm

Note: Measure Level =Reading value + cable loss

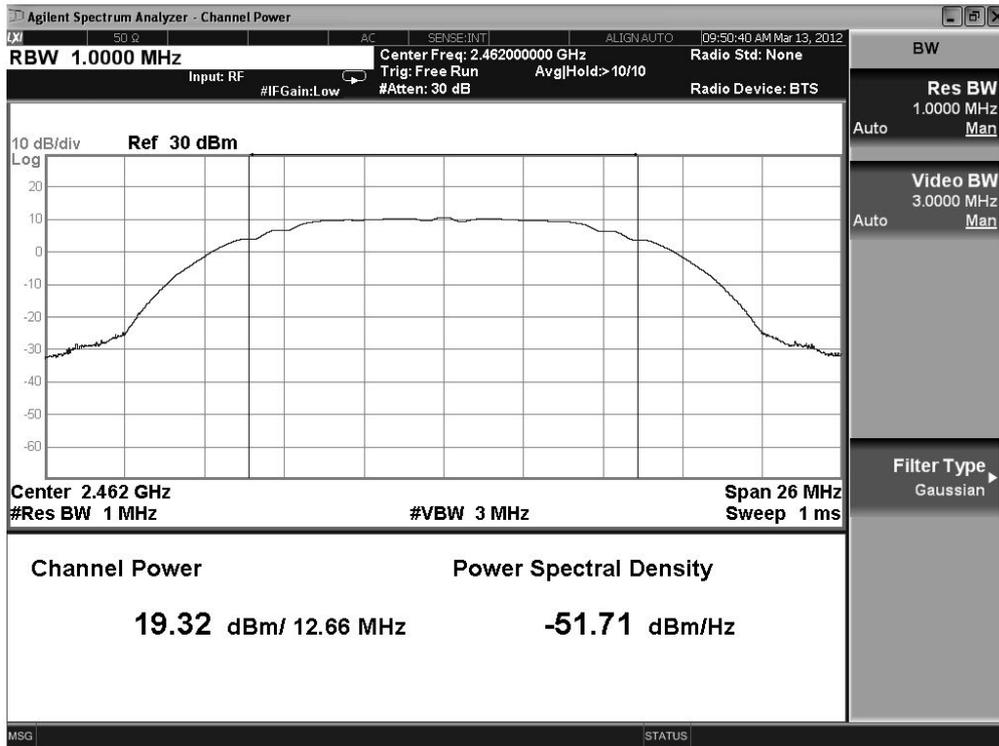
**Channel 1**



**Channel 6**



**Channel 11**



Product	Dual-band Wireless-N Adapter		
Test Item	Peak Power Output		
Test Mode	Mode 1: Transmit		
Date of Test	2012/03/06	Test Site	SR7

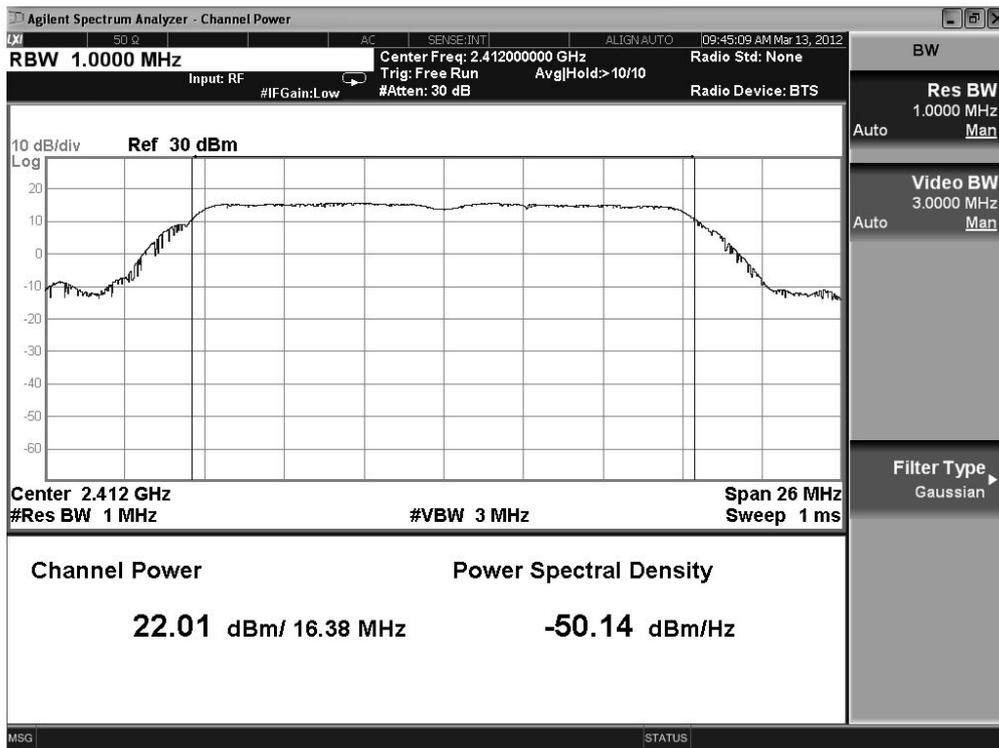
IEEE 802.11g				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
1	2412	22.01	1Watt= 30 dBm	Pass
6	2437	19.77	1Watt= 30 dBm	Pass
11	2462	20.45	1Watt= 30 dBm	Pass

The worst emission of data rate is 6Mbps.

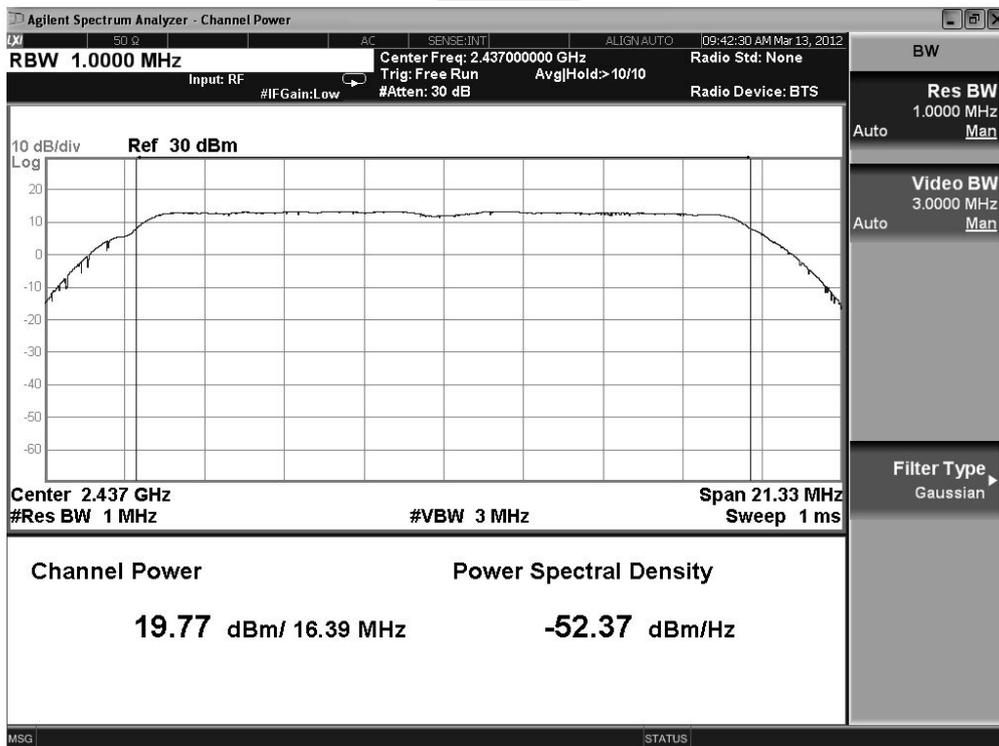
Peak Power Output Value(dBm)									
Channel No.	Frequency (MHz)	Data Rate (Mbps)							Required Limit
		6	12	18	24	36	48	54	
1	2412	22.01	--	--	-	--	--	-	1Watt= 30 dBm
6	2437	19.77	19.84	19.72	19.61	19.54	19.46	19.32	1Watt= 30 dBm
11	2462	20.45	--	--	-	--	--	-	1Watt= 30 dBm

Note: Measure Level =Reading value + cable loss

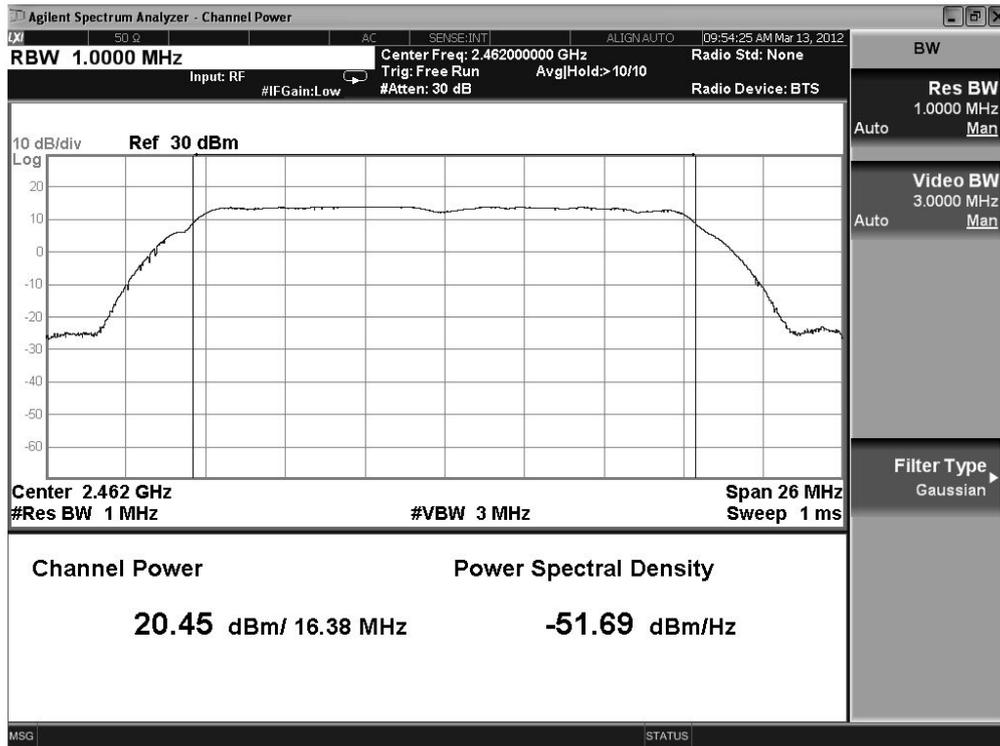
**Channel 1**



**Channel 6**



**Channel 11**



Product	Dual-band Wireless-N Adapter		
Test Item	Peak Power Output		
Test Mode	Mode 1: Transmit		
Date of Test	2012/03/06	Test Site	SR7

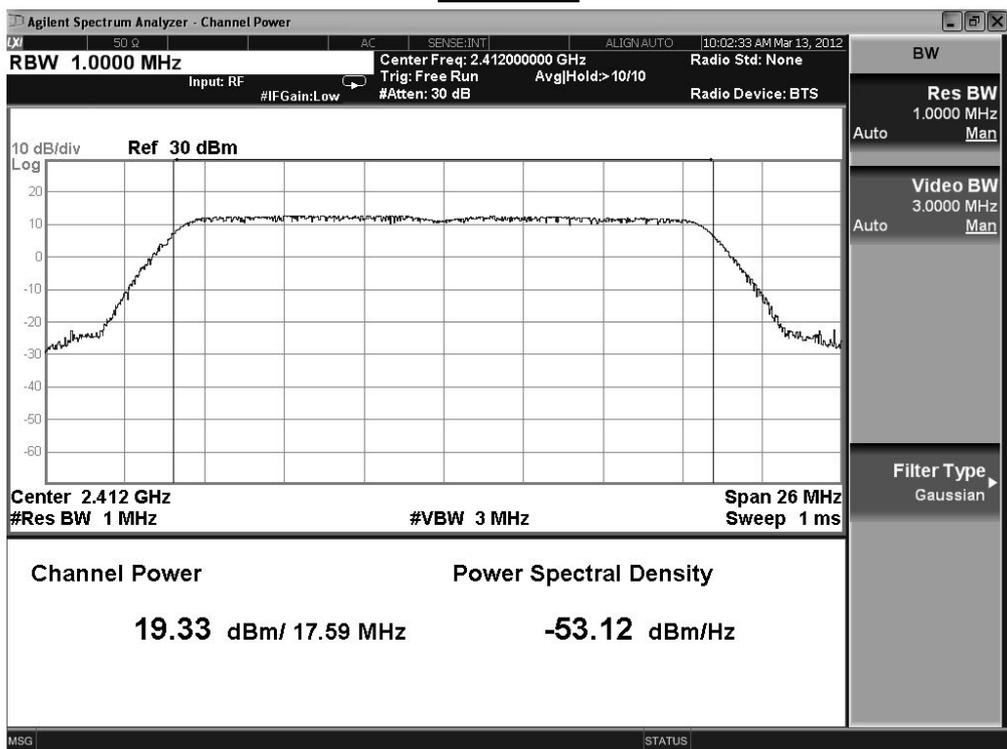
IEEE 802.11n 20MHz (ANT 0)

Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
1	2412	19.33	1Watt= 30 dBm	Pass
6	2437	15.09	1Watt= 30 dBm	Pass
11	2462	18.36	1Watt= 30 dBm	Pass

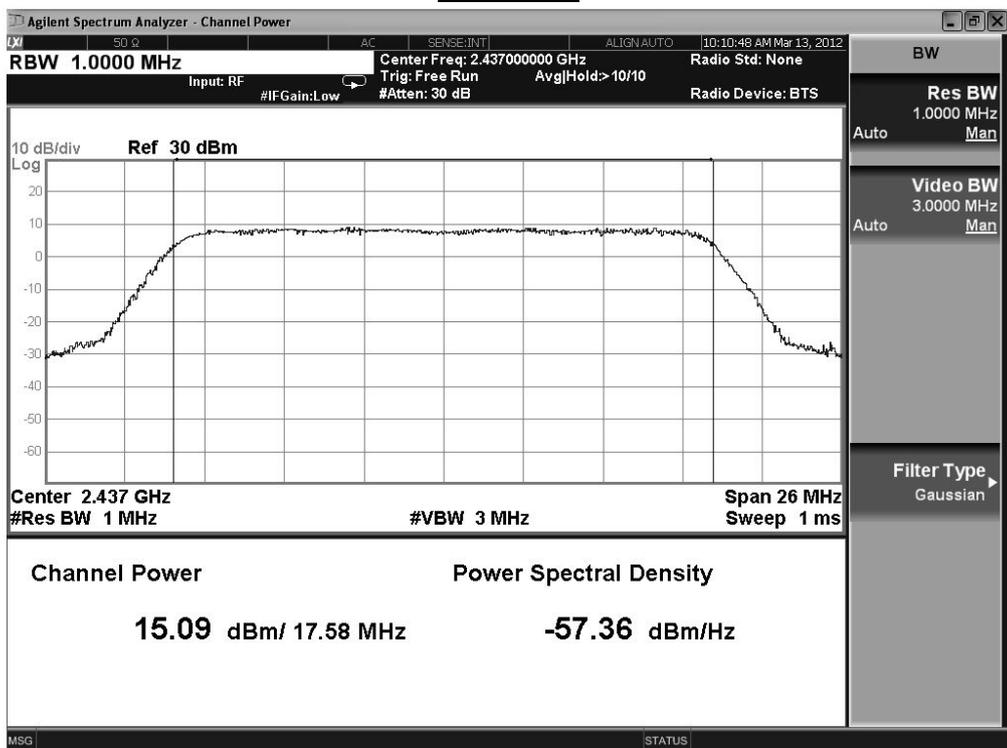
The worst emission of data rate is 19.5 Mbps.

Peak Power Output (dBm)										
MCS Index		16	17	18	19	20	21	22	23	Required Limit
Channel No	Frequency (MHz)	Data Rate								
		19.5	39	58.5	78	117	156	175.5	195	
1	2412	19.33	--	--	-	--	--	-	--	30dBm
6	2437	15.09	14.74	14.64	14.51	14.45	14.32	14.21	14.11	30dBm
11	2462	18.36	--	--	-	--	--	-	--	30dBm

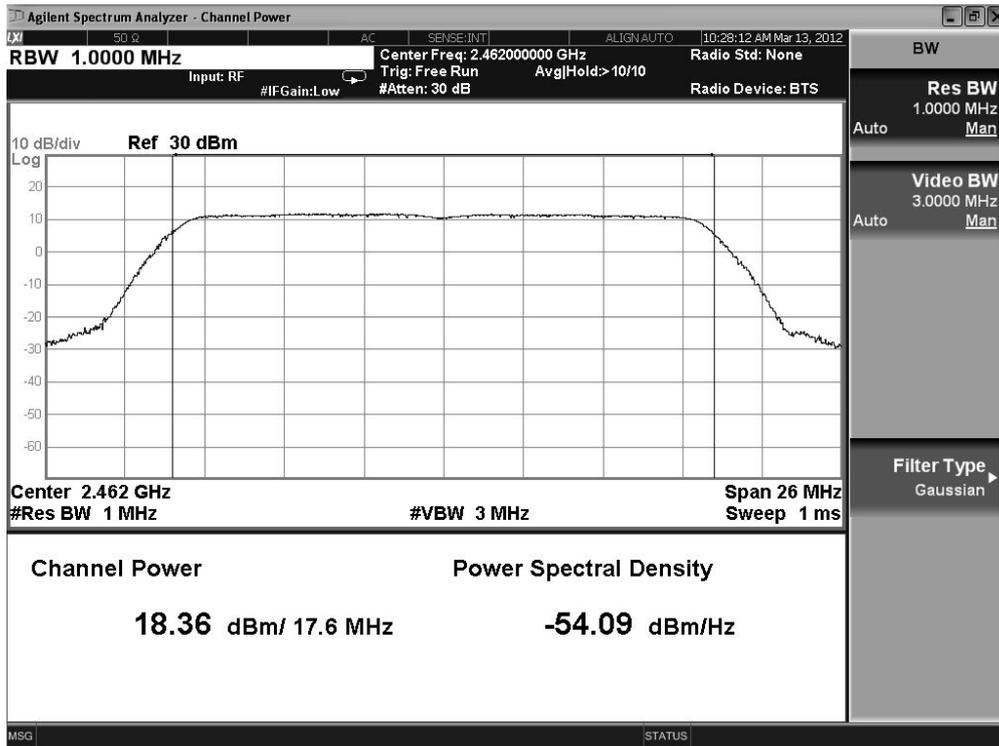
**Channel 1**



**Channel 6**



**Channel 11**



Product	Dual-band Wireless-N Adapter		
Test Item	Peak Power Output		
Test Mode	Mode 1: Transmit		
Date of Test	2012/03/06	Test Site	SR7

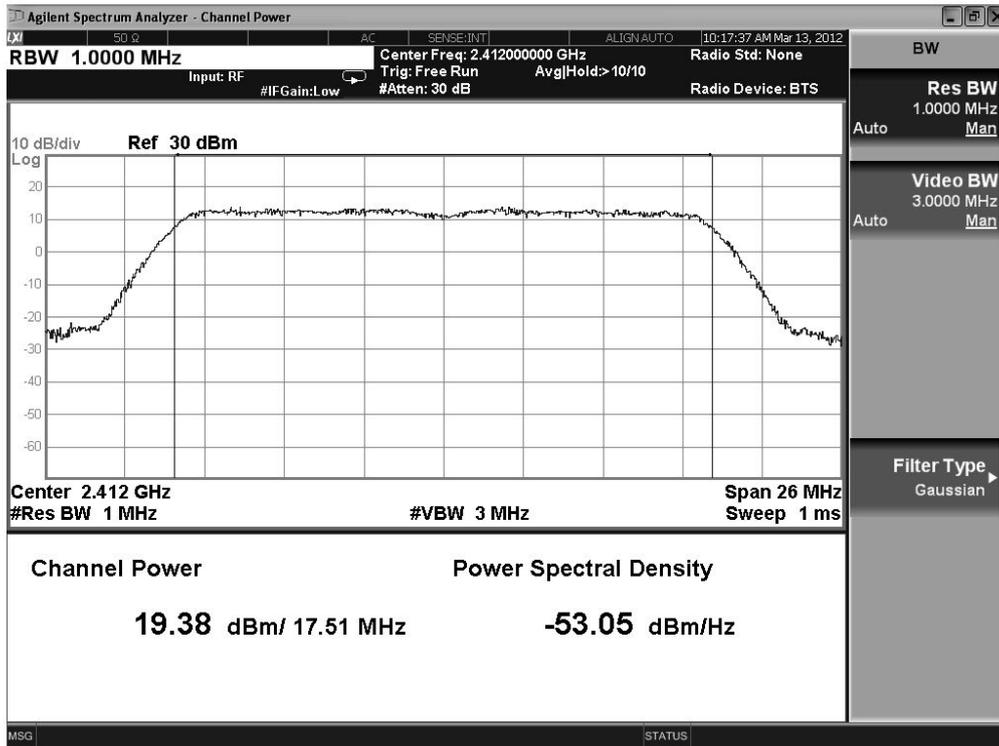
IEEE 802.11n 20MHz (ANT 1)

Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
1	2412	19.38	1Watt= 30 dBm	Pass
6	2437	18.24	1Watt= 30 dBm	Pass
11	2462	19.48	1Watt= 30 dBm	Pass

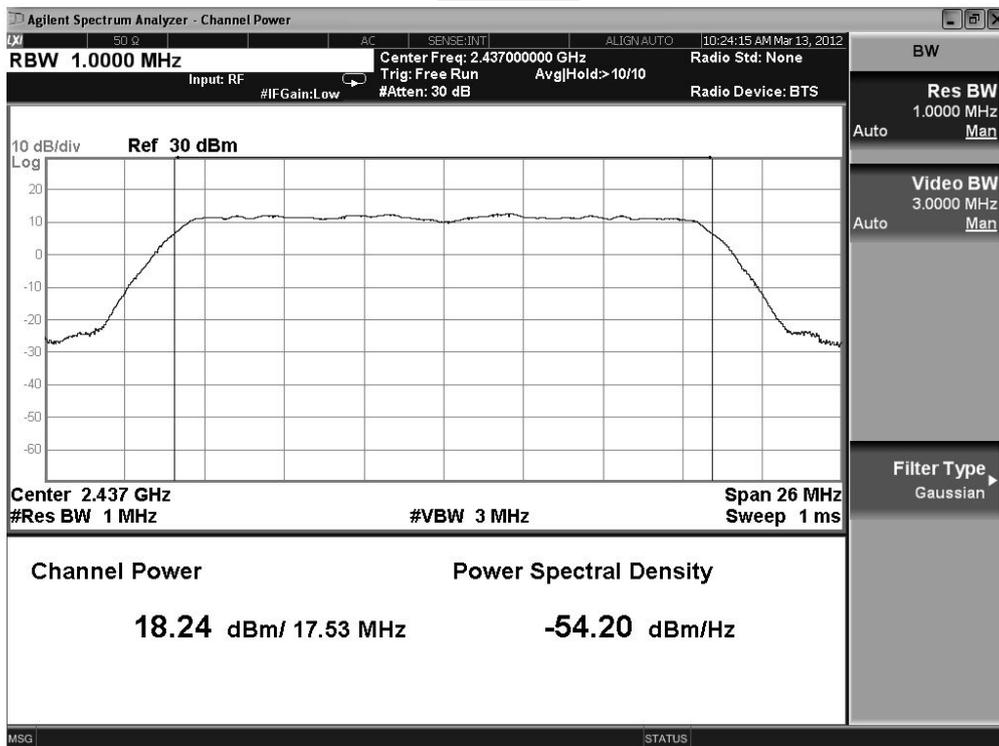
The worst emission of data rate is 19.5 Mbps.

Peak Power Output (dBm)										
MCS Index		16	17	18	19	20	21	22	23	Required Limit
Channel No	Frequency (MHz)	Data Rate								
		19.5	39	58.5	78	117	156	175.5	195	
1	2412	19.38	--	--	-	--	--	-	--	30dBm
6	2437	18.24	17.78	17.71	17.64	17.61	17.54	17.51	17.45	30dBm
11	2462	19.48	--	--	-	--	--	-	--	30dBm

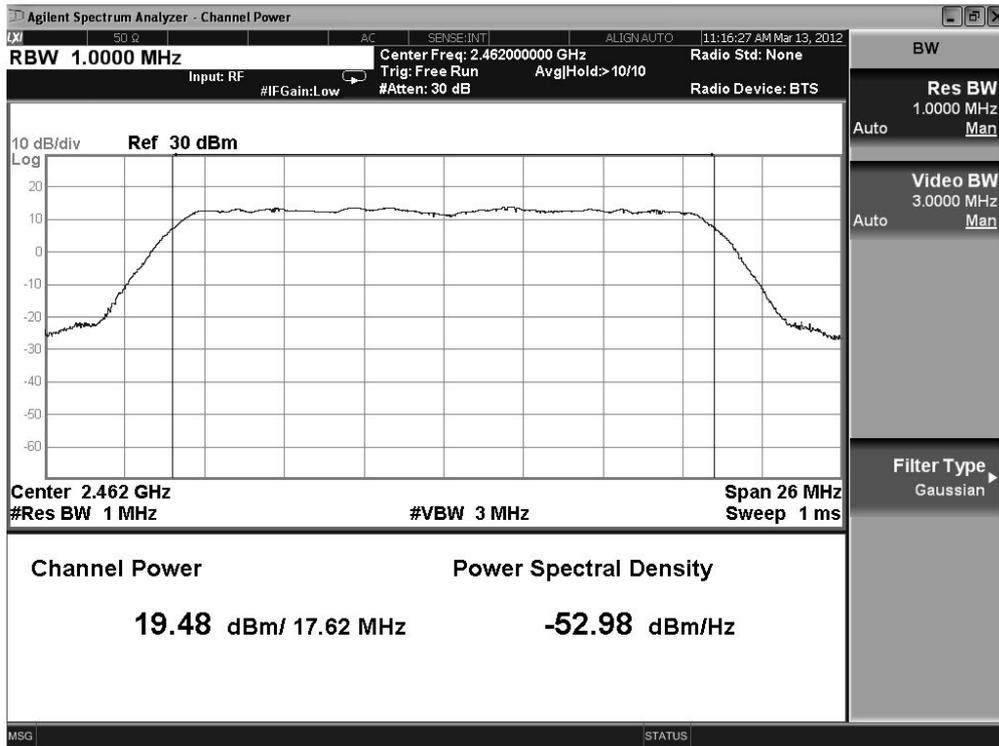
**Channel 1**



**Channel 6**



**Channel 11**



Product	Dual-band Wireless-N Adapter		
Test Item	Peak Power Output		
Test Mode	Mode 1: Transmit		
Date of Test	2012/03/06	Test Site	SR7

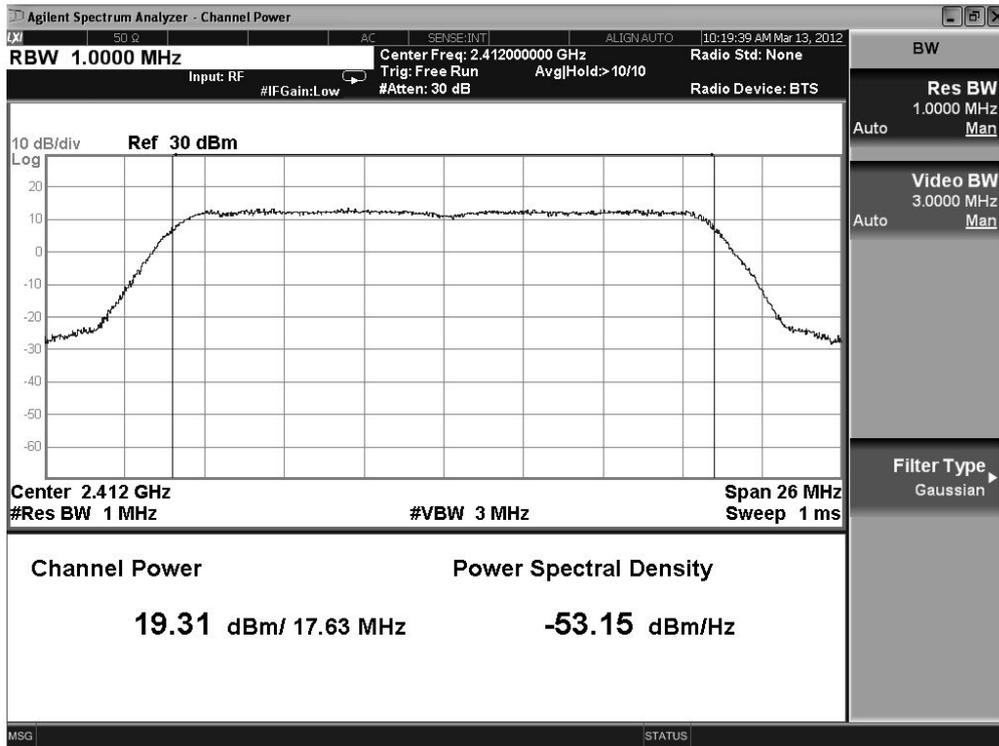
IEEE 802.11n 20MHz (ANT 2)

Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
1	2412	19.31	1Watt= 30 dBm	Pass
6	2437	15.54	1Watt= 30 dBm	Pass
11	2462	19.74	1Watt= 30 dBm	Pass

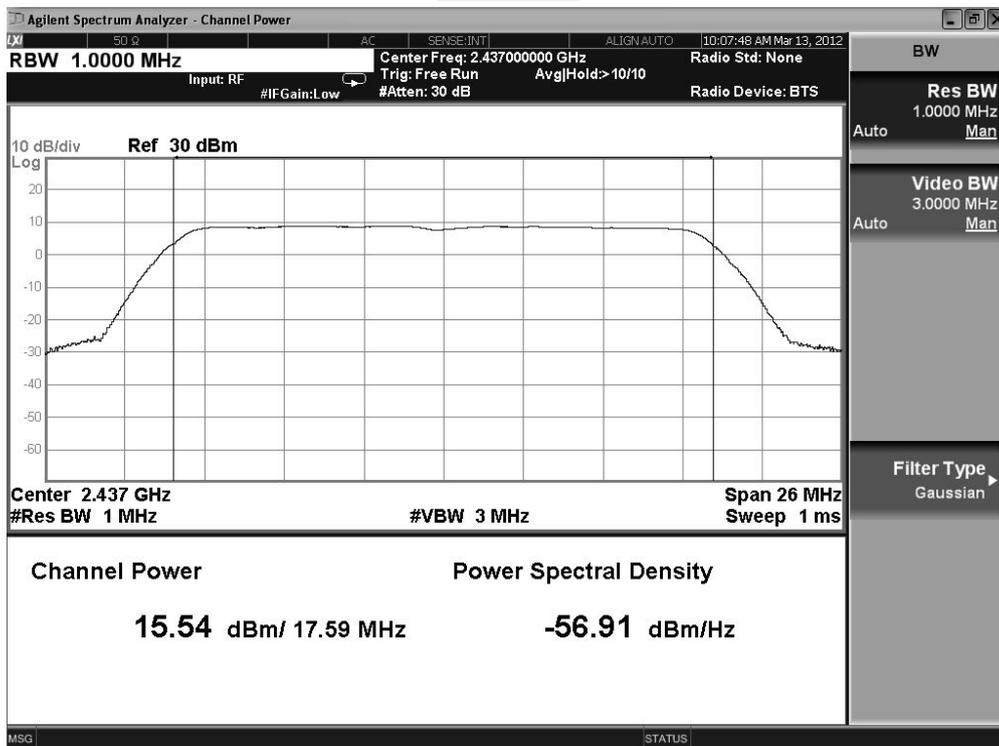
The worst emission of data rate is 19.5 Mbps.

Peak Power Output (dBm)										
MCS Index		16	17	18	19	20	21	22	23	Required Limit
Channel No	Frequency (MHz)	Data Rate								
		19.5	39	58.5	78	117	156	175.5	195	
1	2412	19.31	--	--	-	--	--	-	--	30dBm
6	2437	15.54	14.51	14.42	14.31	14.21	14.20	14.11	14.01	30dBm
11	2462	19.31	--	--	-	--	--	-	--	30dBm

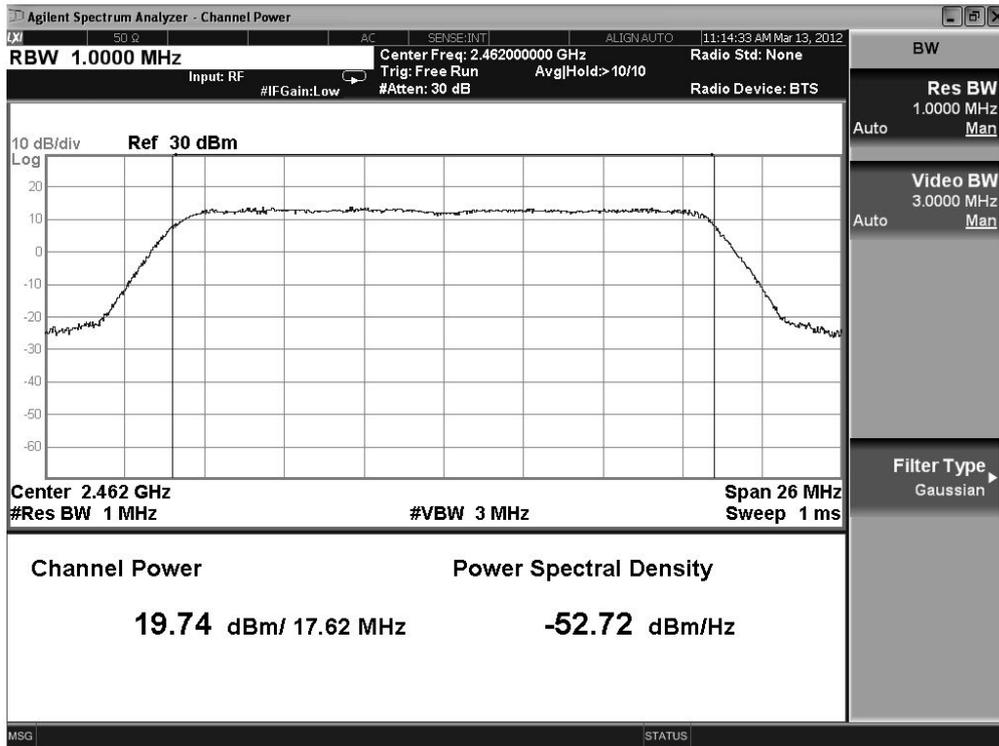
**Channel 1**



**Channel 6**



**Channel 11**



Product	Dual-band Wireless-N Adapter		
Test Item	Peak Power Output		
Test Mode	Mode 1: Transmit		
Date of Test	2012/03/06	Test Site	SR7

IEEE 802.11n 20MHz (ANT 0+1+2)

Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
1	2412	24.11	1Watt= 30 dBm	Pass
6	2437	21.30	1Watt= 30 dBm	Pass
11	2462	24.00	1Watt= 30 dBm	Pass

The worst emission of data rate is 19.5 Mbps.

Peak Power Output (dBm)										
MCS Index		16	17	18	19	20	21	22	23	Required Limit
Channel No	Frequency (MHz)	Data Rate								
		19.5	39	58.5	78	117	156	175.5	195	
1	2412	24.11	--	--	-	--	--	-	--	30dBm
6	2437	21.30	20.34	20.21	20.11	20.08	20.05	20.98	20.89	30dBm
11	2462	24.00	--	--	-	--	--	-	--	30dBm

Product	Dual-band Wireless-N Adapter		
Test Item	Peak Power Output		
Test Mode	Mode 1: Transmit		
Date of Test	2012/03/06	Test Site	SR7

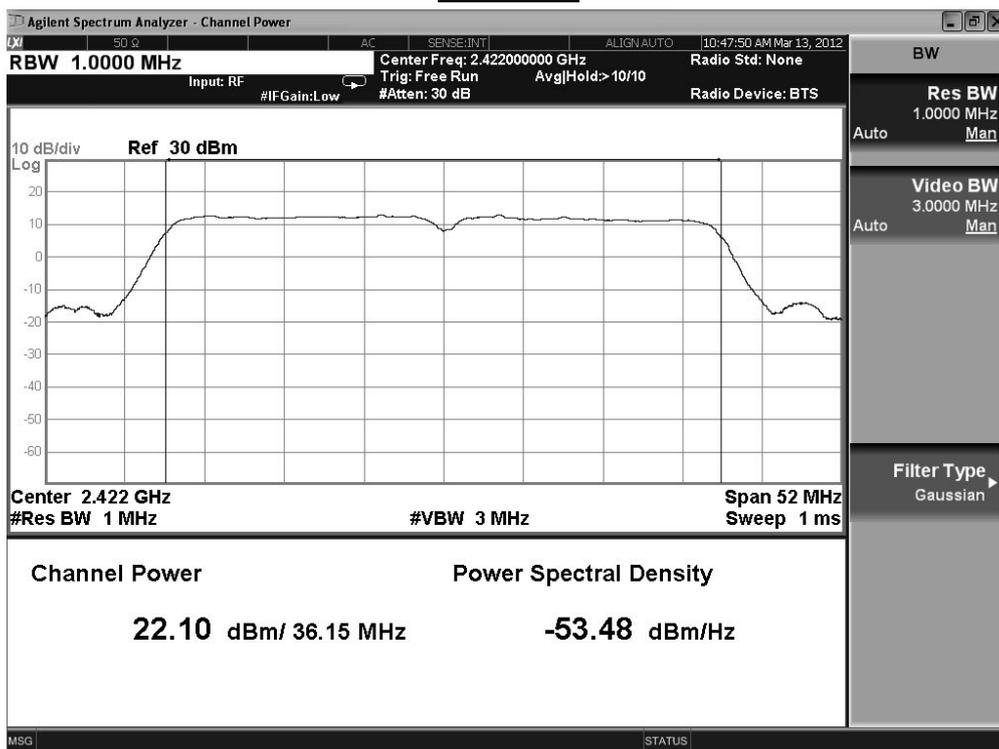
IEEE802.11n 40MHz(ANT 0)

Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
3	2422	22.10	1Watt= 30 dBm	Pass
6	2437	22.69	1Watt= 30 dBm	Pass
9	2452	22.26	1Watt= 30 dBm	Pass

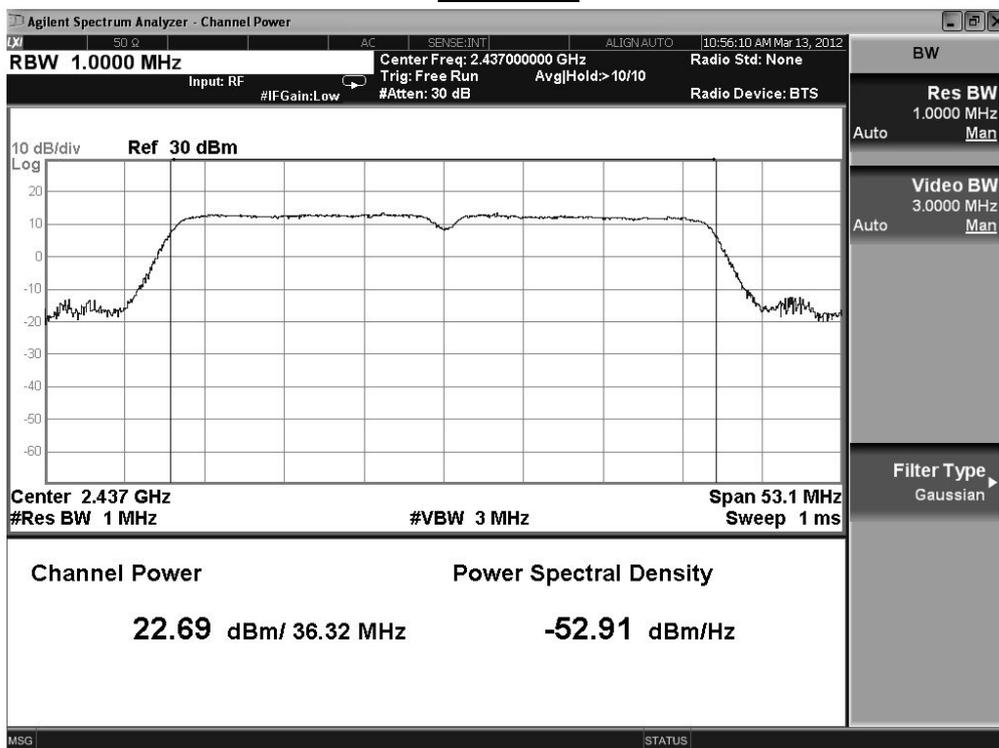
The worst emission of data rate is 40.5Mbps

		Peak Power Output (dBm)								Required Limit
MCS Index		16	17	18	19	20	21	22	23	
Channel No	Frequency (MHz)	Data Rate								
		40.5	81.0	121.5	162.0	243.0	324.0	364.5	405.0	
1	2412	22.10	--	--	-	--	--	-	--	30dBm
6	2437	22.69	21.98	21.85	21.77	21.72	21.68	21.62	21.23	30dBm
11	2462	22.26	--	--	-	--	--	-	--	30dBm

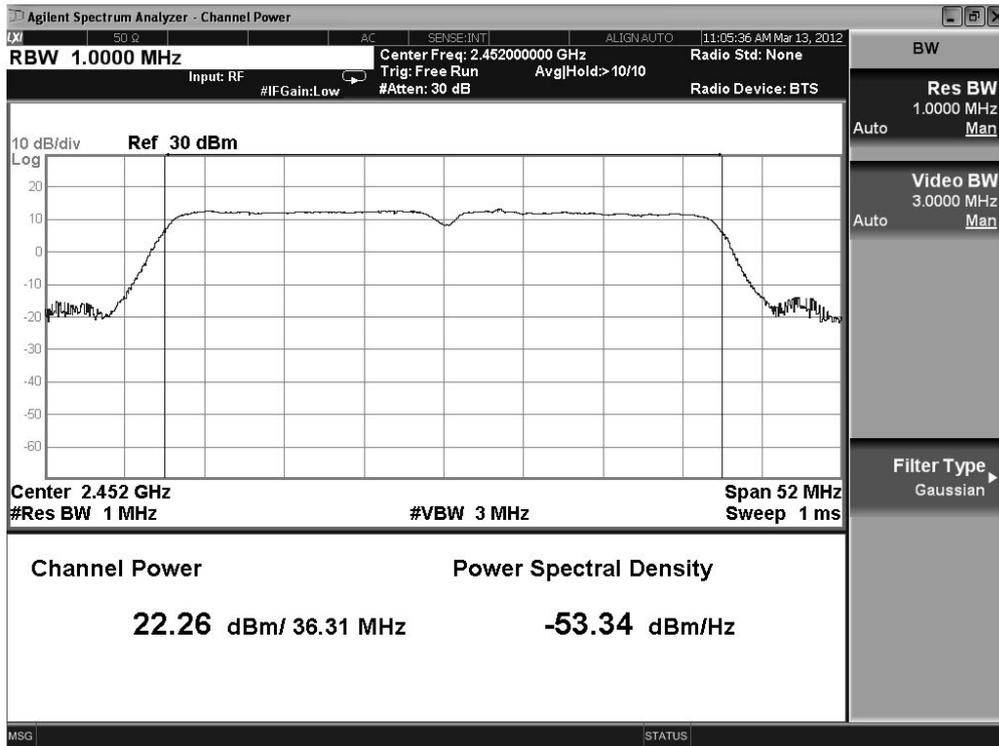
### Channel 3



### Channel 6



**Channel 9**



Product	Dual-band Wireless-N Adapter		
Test Item	Peak Power Output		
Test Mode	Mode 1: Transmit		
Date of Test	2012/03/06	Test Site	SR7

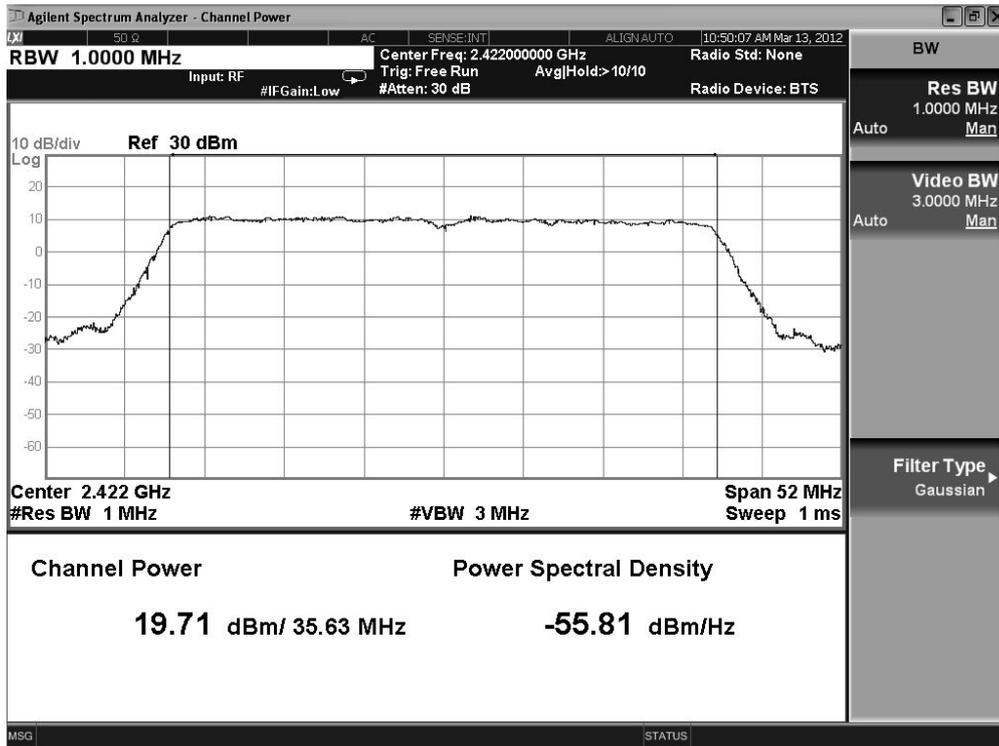
IEEE802.11n 40MHz(ANT 1)

Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
3	2422	19.71	1Watt= 30 dBm	Pass
6	2437	21.59	1Watt= 30 dBm	Pass
9	2452	21.56	1Watt= 30 dBm	Pass

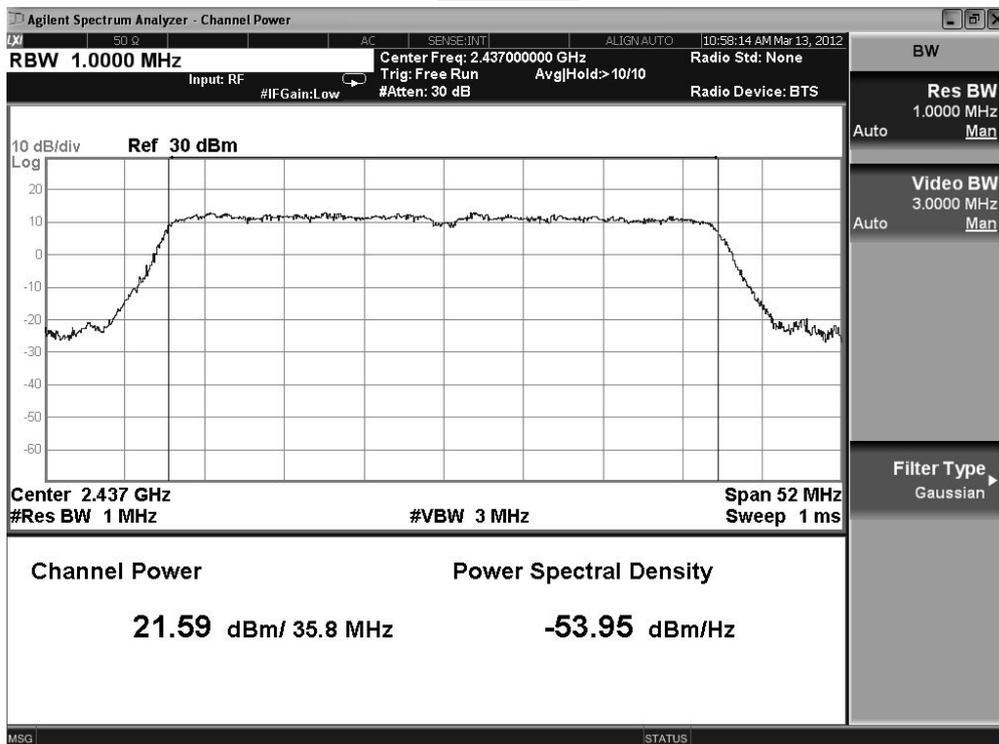
The worst emission of data rate is 40.5Mbps

Peak Power Output (dBm)										
MCS Index		16	17	18	19	20	21	22	23	Required Limit
Channel No	Frequency (MHz)	Data Rate								
		40.5	81.0	121.5	162.0	243.0	324.0	364.5	405.0	
3	2422	19.71	--	--	-	--	--	-	--	30dBm
6	2437	21.59	20.97	20.92	20.84	20.81	20.79	20.73	20.68	30dBm
9	2452	21.56	--	--	-	--	--	-	--	30dBm

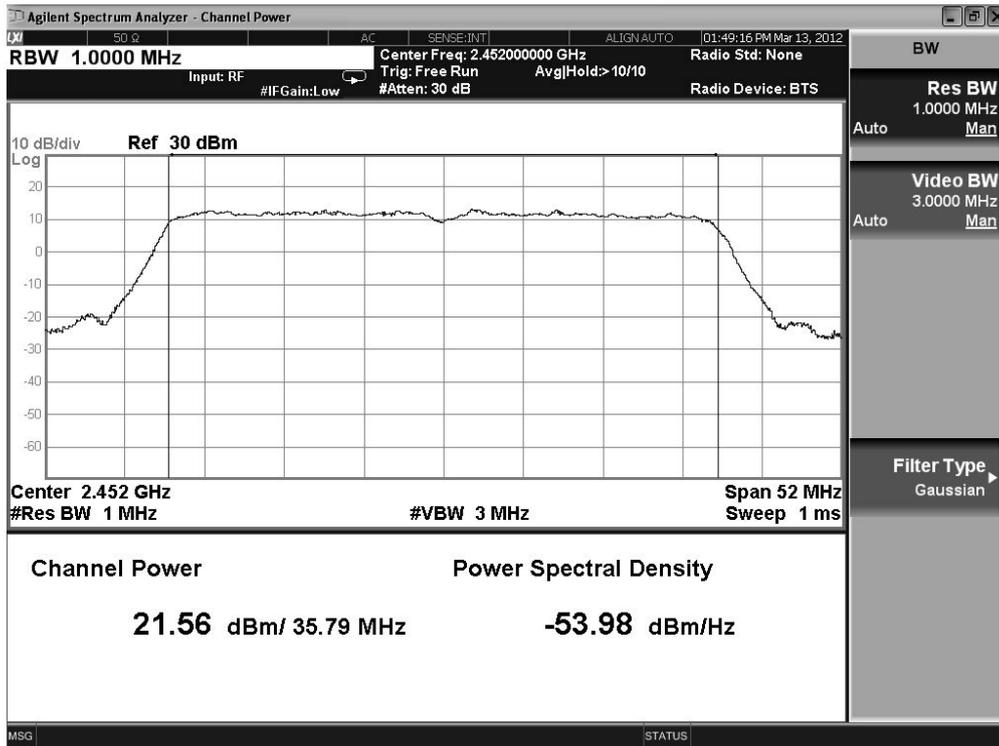
**Channel 3**



**Channel 6**



**Channel 9**



Product	Dual-band Wireless-N Adapter		
Test Item	Peak Power Output		
Test Mode	Mode 1: Transmit		
Date of Test	2012/03/06	Test Site	SR7

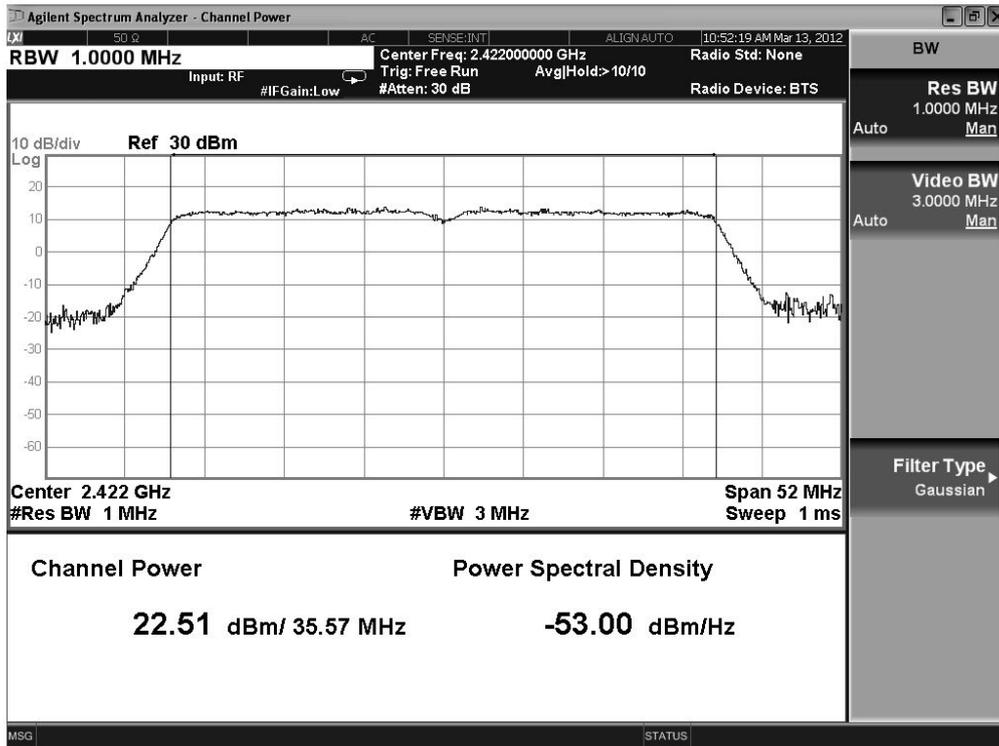
IEEE802.11n 40MHz(ANT 2)

Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
3	2422	22.51	1Watt= 30 dBm	Pass
6	2437	22.72	1Watt= 30 dBm	Pass
9	2452	22.10	1Watt= 30 dBm	Pass

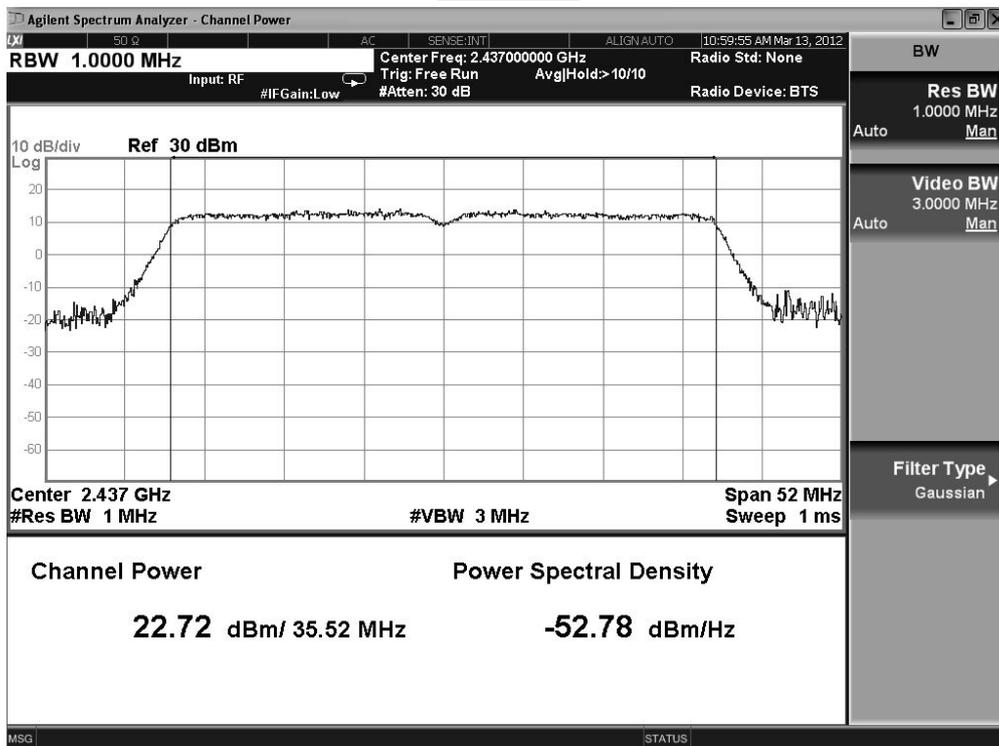
The worst emission of data rate is 40.5Mbps

		Peak Power Output (dBm)								Required Limit
MCS Index		16	17	18	19	20	21	22	23	
Channel No	Frequency (MHz)	Data Rate								
		40.5	81.0	121.5	162.0	243.0	324.0	364.5	405.0	
3	2422	22.51	--	--	-	--	--	-	--	30dBm
6	2437	22.72	21.72	21.64	21.61	21.58	21.54	21.46	21.43	30dBm
9	2452	22.10	--	--	-	--	--	-	--	30dBm

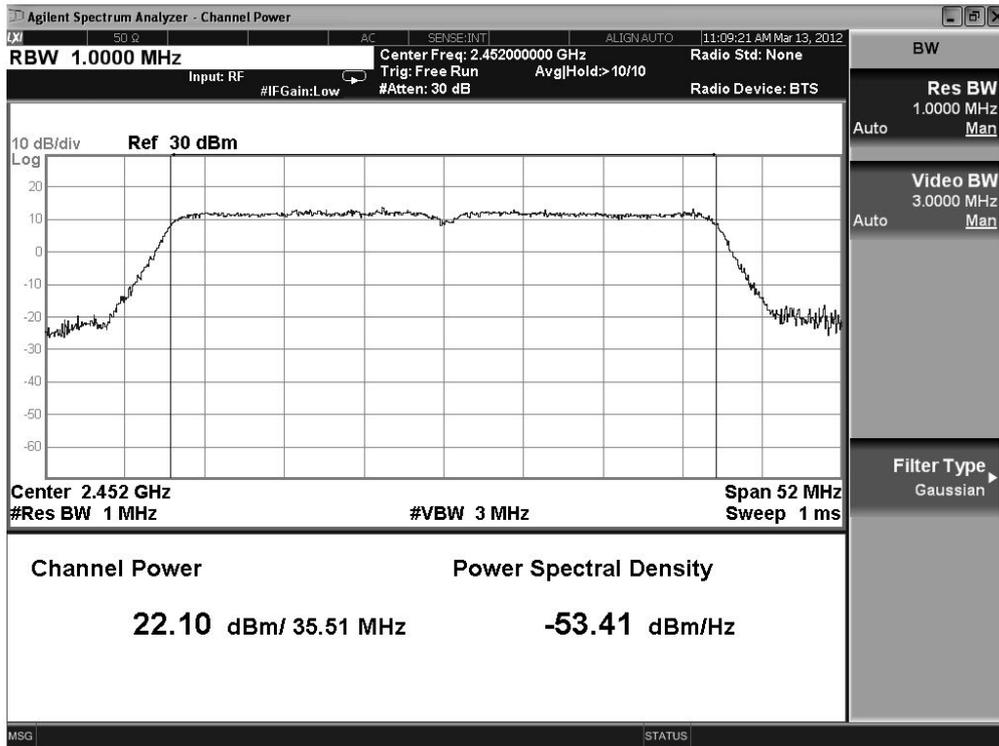
**Channel 3**



**Channel 6**



**Channel 9**



Product	Dual-band Wireless-N Adapter		
Test Item	Peak Power Output		
Test Mode	Mode 1: Transmit		
Date of Test	2012/03/06	Test Site	SR7

IEEE802.11n 40MHz(ANT 0+1+2)

Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
3	2422	26.37	1Watt= 30 dBm	Pass
6	2437	27.14	1Watt= 30 dBm	Pass
9	2452	26.75	1Watt= 30 dBm	Pass

The worst emission of data rate is 40.5Mbps

Peak Power Output (dBm)										
MCS Index		16	17	18	19	20	21	22	23	Required Limit
Channel No	Frequency (MHz)	Data Rate								
		40.5	81.0	121.5	162.0	243.0	324.0	364.5	405.0	
3	2422	26.37	--	--	-	--	--	-	--	30dBm
6	2437	27.14	26.70	26.65	26.61	26.57	26.51	26.47	26.42	30dBm
9	2452	26.75	--	--	-	--	--	-	--	30dBm

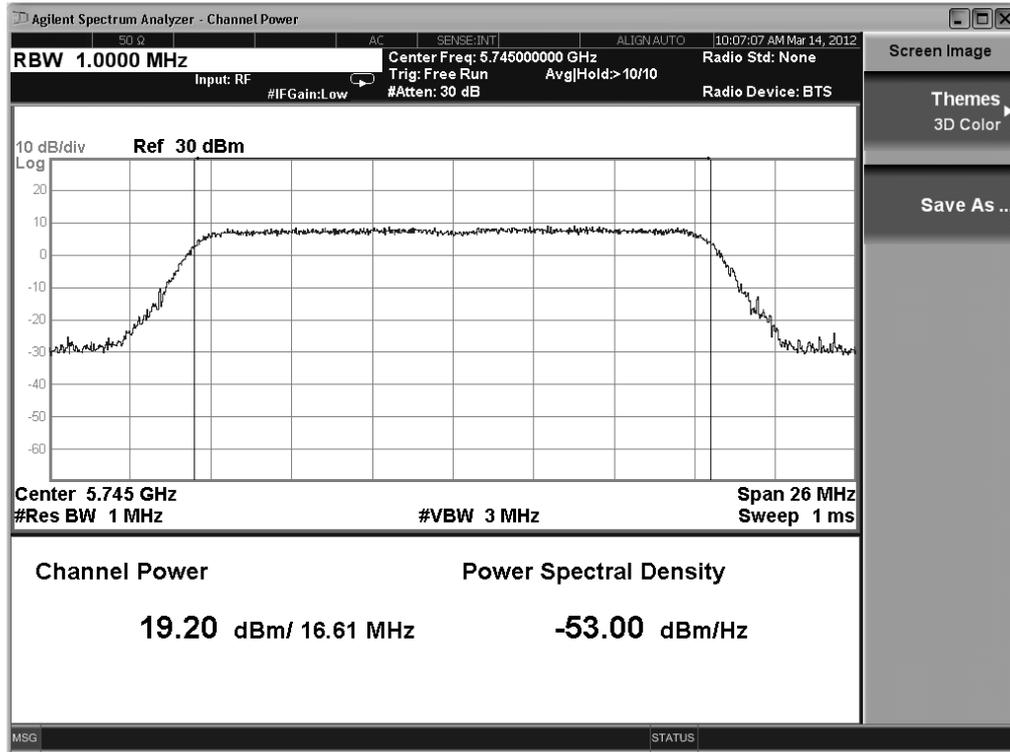
Product	Dual-band Wireless-N Adapter		
Test Item	Peak Power Output		
Test Mode	Mode 1: Transmit		
Date of Test	2012/03/06	Test Site	SR7

IEEE 802.11a				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
149	5745	19.20	1Watt= 30 dBm	Pass
157	5785	19.02	1Watt= 30 dBm	Pass
165	5825	18.69	1Watt= 30 dBm	Pass

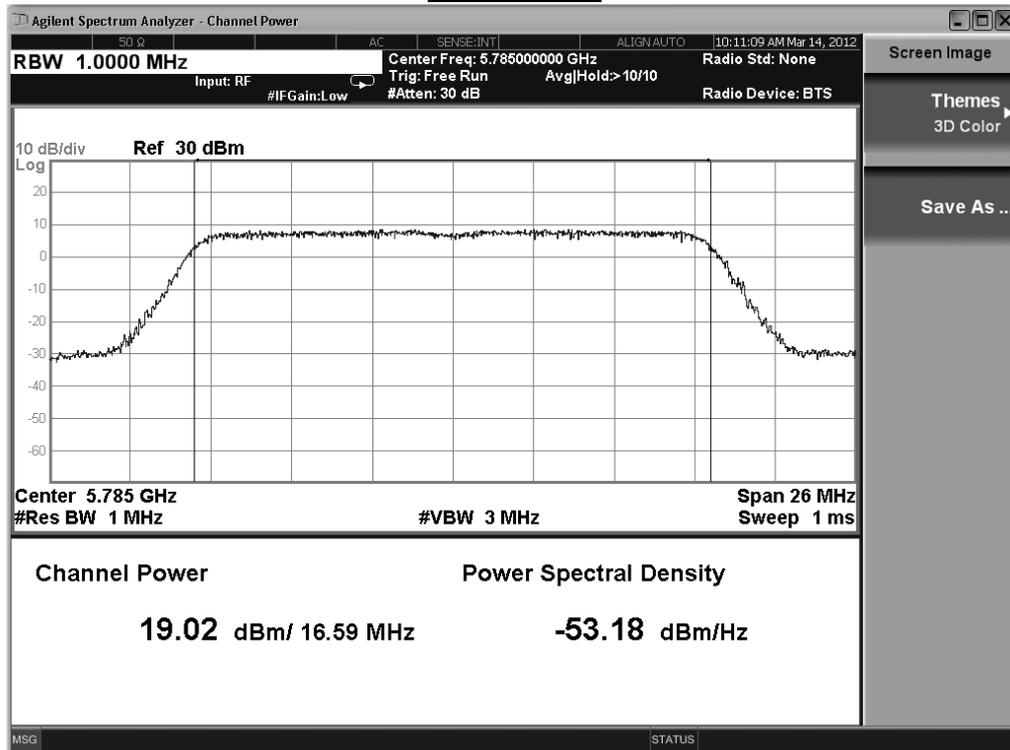
The worst emission of data rate is 6Mbps.

Peak Power Output (dBm)									
Channel No	Frequency (MHz)	Data Rate							Required Limit
		6	12	18	24	36	48	54	
149	5745	19.20	--	--	--	--	--	--	1 Watt=30dBm
157	5785	19.02	18.94	18.84	18.62	18.51	18.42	18.34	1 Watt=30dBm
165	5825	18.69	--	--	--	--	--	--	1 Watt=30dBm

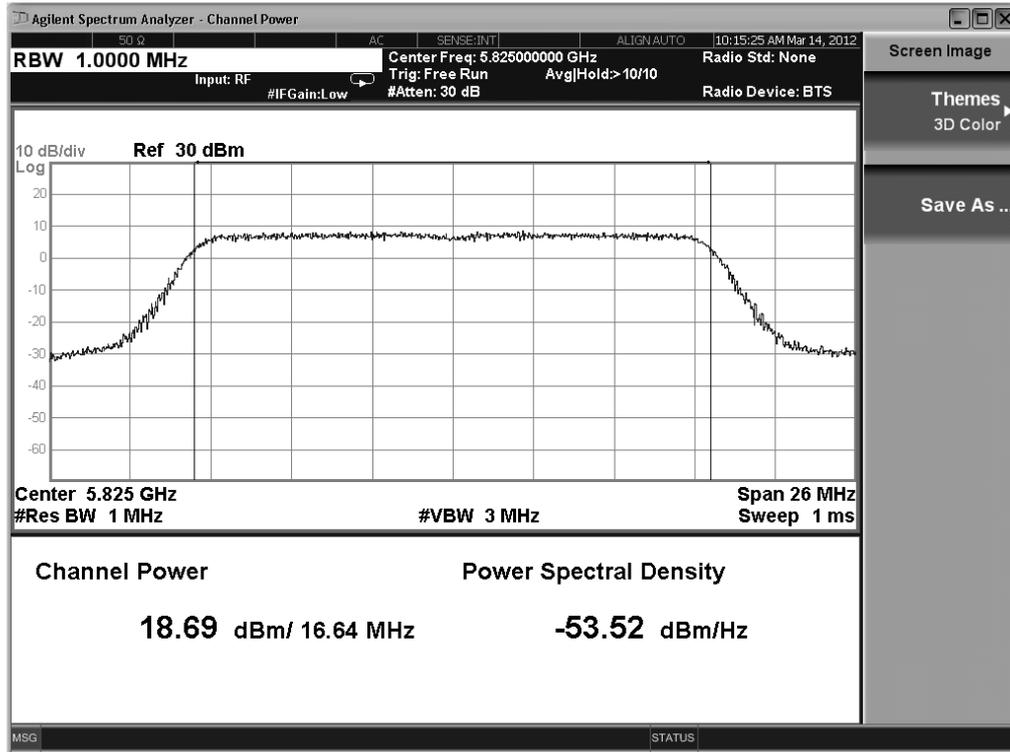
**Channel 149**



**Channel 157**



**Channel 165**



Product	Dual-band Wireless-N Adapter		
Test Item	Peak Power Output		
Test Mode	Mode 1: Transmit		
Date of Test	2012/03/06	Test Site	SR7

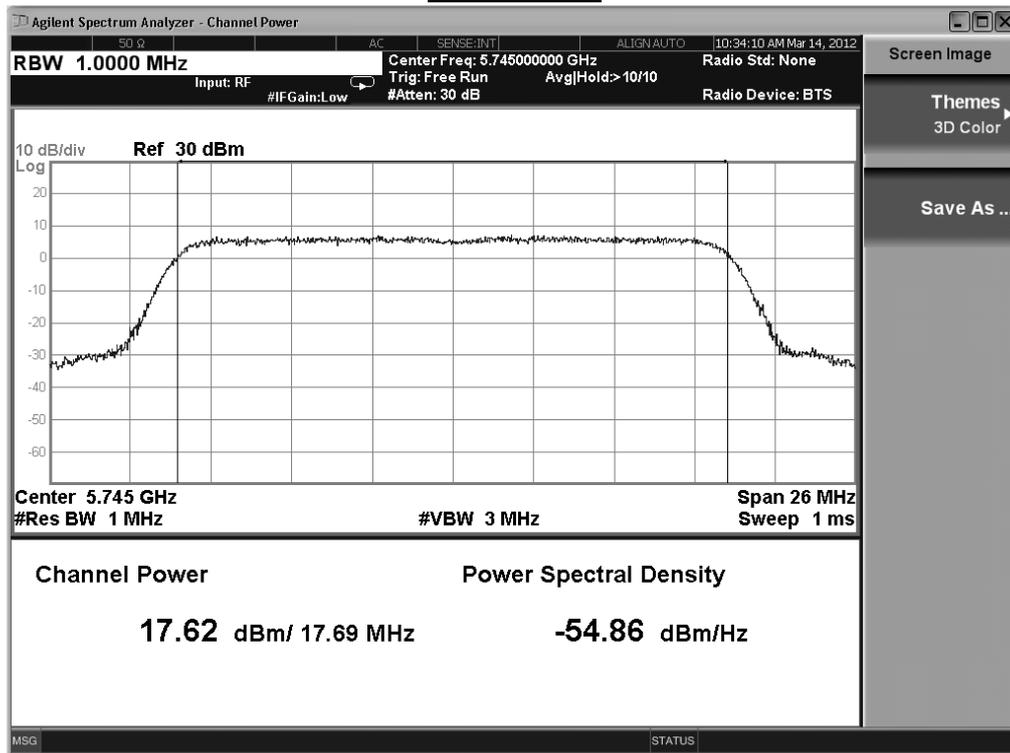
IEEE 802.11n 20MHz (ANT 0)

Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
149	5745	17.62	1Watt= 30 dBm	Pass
157	5785	18.07	1Watt= 30 dBm	Pass
165	5825	18.91	1Watt= 30 dBm	Pass

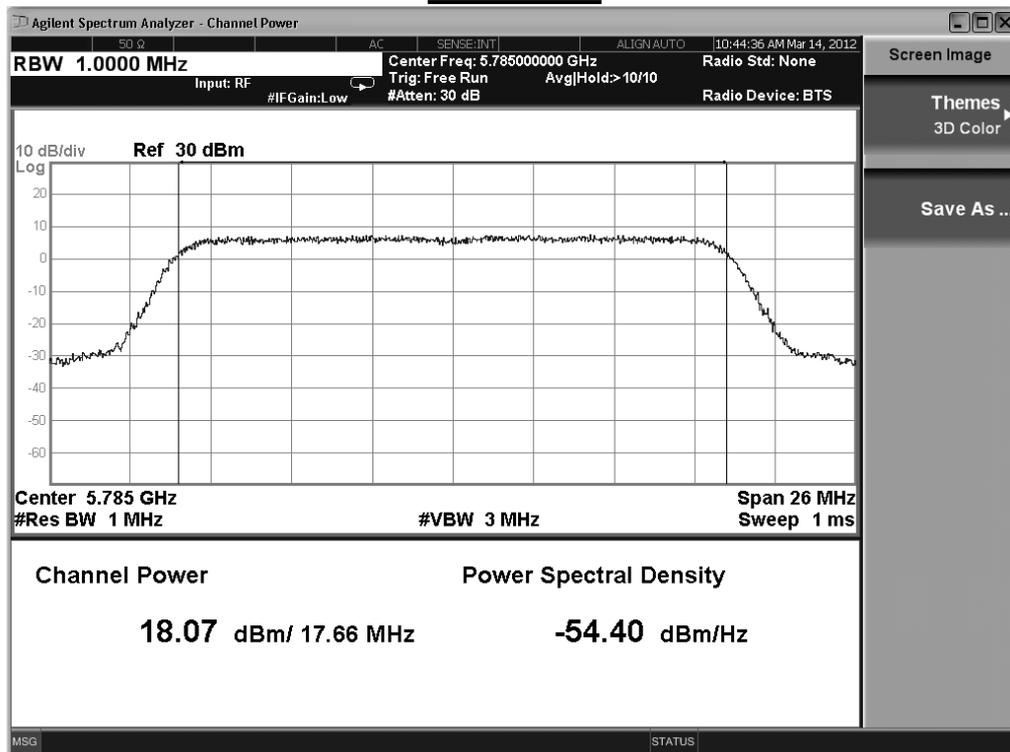
The worst emission of data rate is 19.5 Mbps.

Peak Power Output (dBm)										
MCS Index		16	17	18	19	20	21	22	23	Required Limit
Channel No	Frequency (MHz)	Data Rate								
		19.5	39	58.5	78	117	156	175.5	195	
149	5745	17.62	--	--	--	--	--	--	--	30dBm
157	5785	18.07	17.76	17.72	17.71	17.62	17.59	17.52	17.42	30dBm
165	5825	18.91	--	--	--	--	--	--	--	30dBm

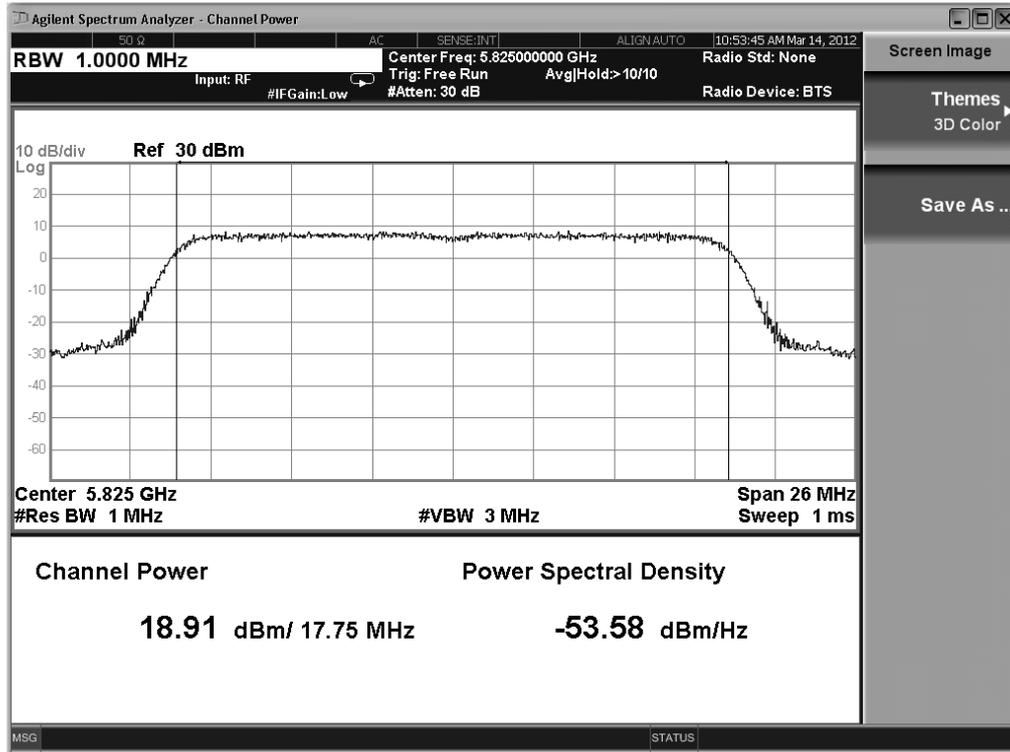
### Channel 149



### Channel 157



Channel 165



Product	Dual-band Wireless-N Adapter		
Test Item	Peak Power Output		
Test Mode	Mode 1: Transmit		
Date of Test	2012/03/06	Test Site	SR7

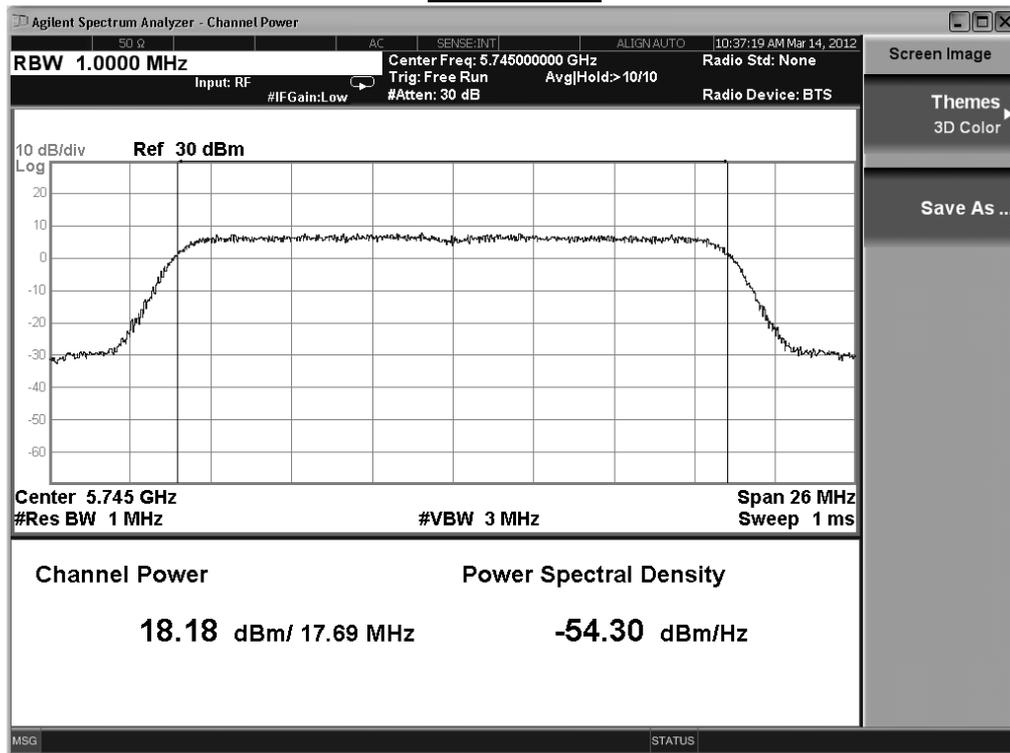
IEEE 802.11n 20MHz (ANT 1)

Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
149	5745	18.18	1Watt= 30 dBm	Pass
157	5785	18.34	1Watt= 30 dBm	Pass
165	5825	18.10	1Watt= 30 dBm	Pass

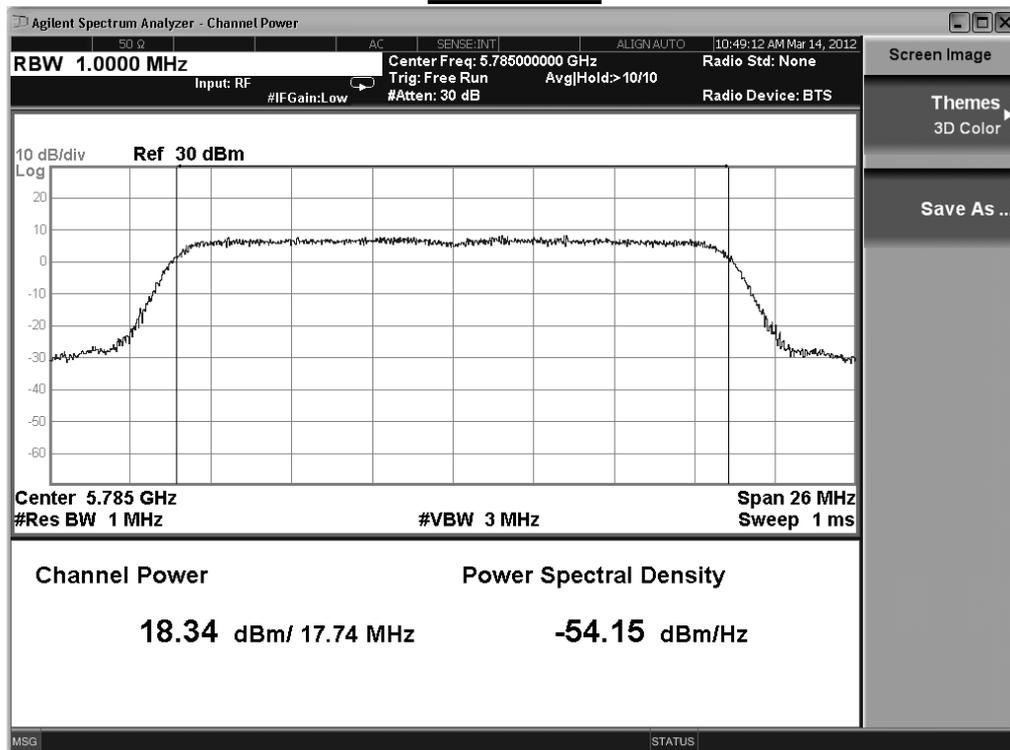
The worst emission of data rate is 19.5 Mbps.

Peak Power Output (dBm)										
MCS Index		16	17	18	19	20	21	22	23	Required Limit
Channel No	Frequency (MHz)	Data Rate								
		19.5	39	58.5	78	117	156	175.5	195	
149	5745	18.18	--	--	--	--	--	--	--	30dBm
157	5785	18.34	17.85	17.81	17.64	17.53	17.51	17.46	17.42	30dBm
165	5825	18.10	--	--	--	--	--	--	--	30dBm

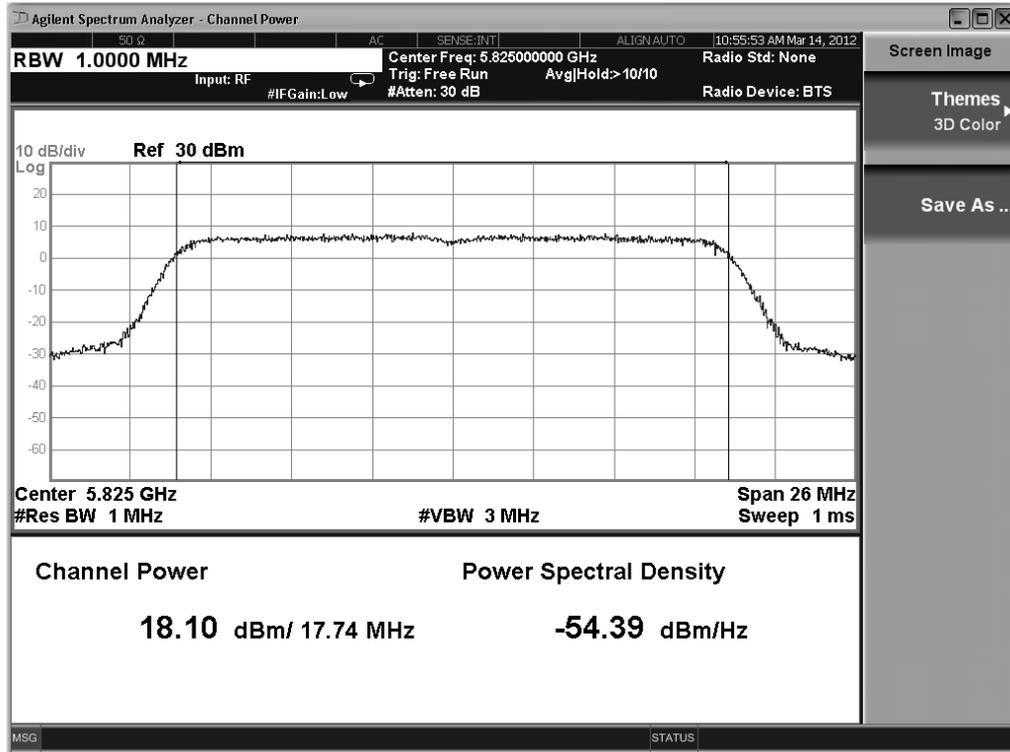
**Channel 149**



**Channel 157**



**Channel 165**



Product	Dual-band Wireless-N Adapter		
Test Item	Peak Power Output		
Test Mode	Mode 1: Transmit		
Date of Test	2012/03/06	Test Site	SR7

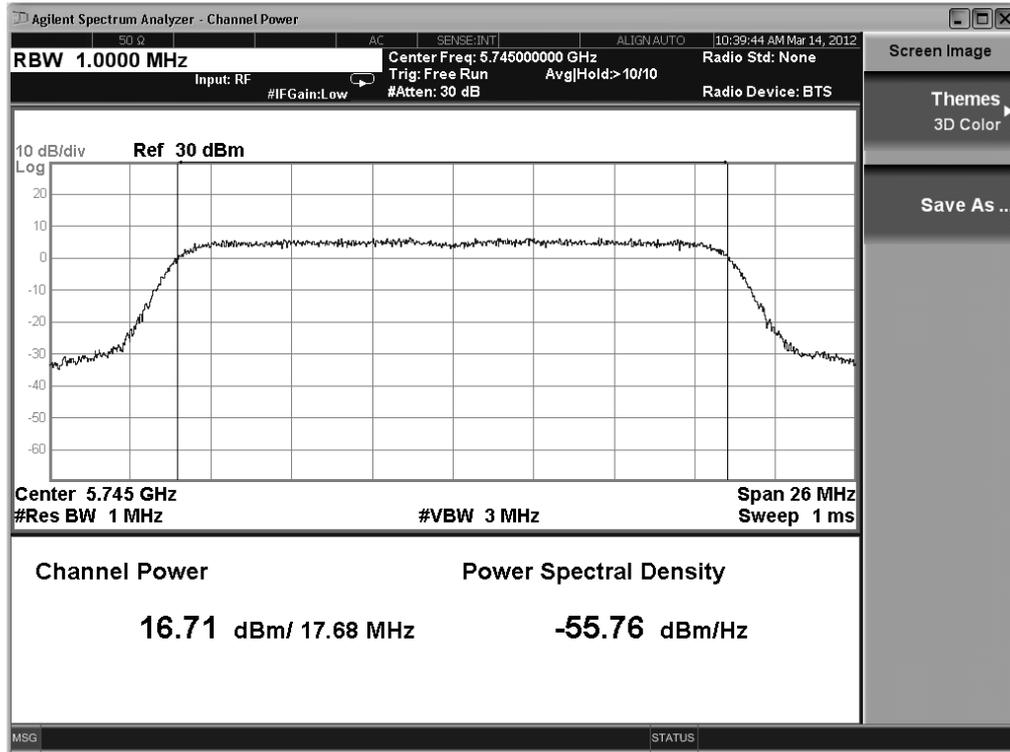
IEEE 802.11n 20MHz (ANT 2)

Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
149	5745	16.71	1Watt= 30 dBm	Pass
157	5785	15.82	1Watt= 30 dBm	Pass
165	5825	17.07	1Watt= 30 dBm	Pass

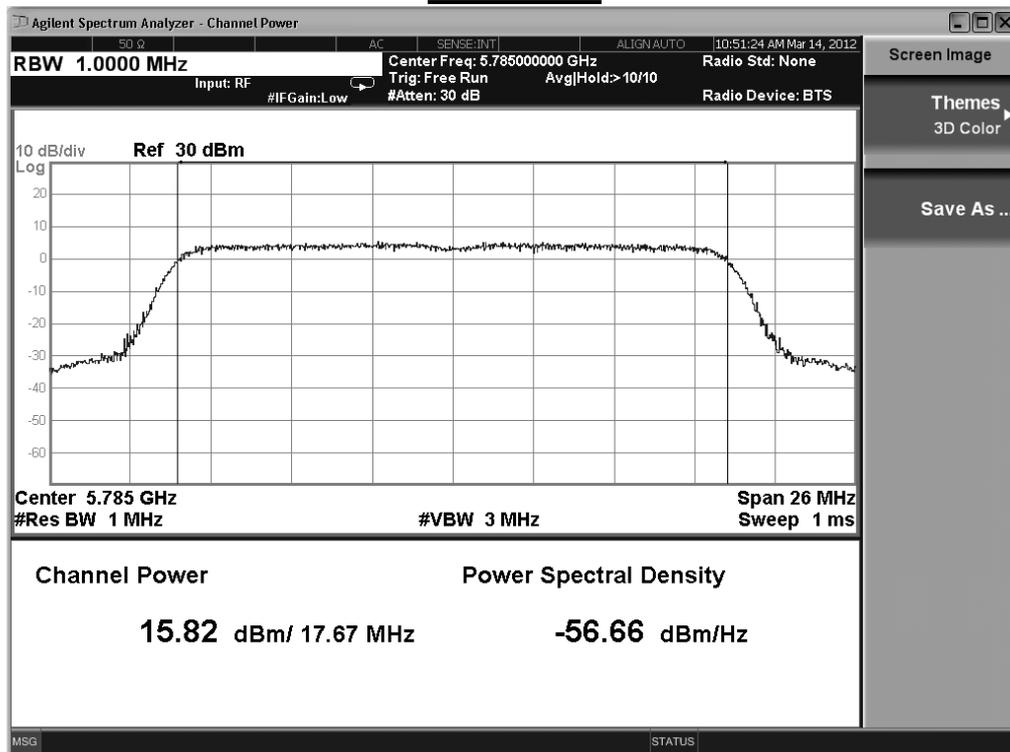
The worst emission of data rate is 19.5 Mbps.

Peak Power Output (dBm)										
MCS Index		16	17	18	19	20	21	22	23	Required Limit
Channel No	Frequency (MHz)	Data Rate								
		19.5	39	58.5	78	117	156	175.5	195	
149	5745	16.71	--	--	--	--	--	--	--	30dBm
157	5785	15.82	15.76	15.74	15.76	15.65	15.64	15.63	15.54	30dBm
165	5825	17.10	--	--	--	--	--	--	--	30dBm

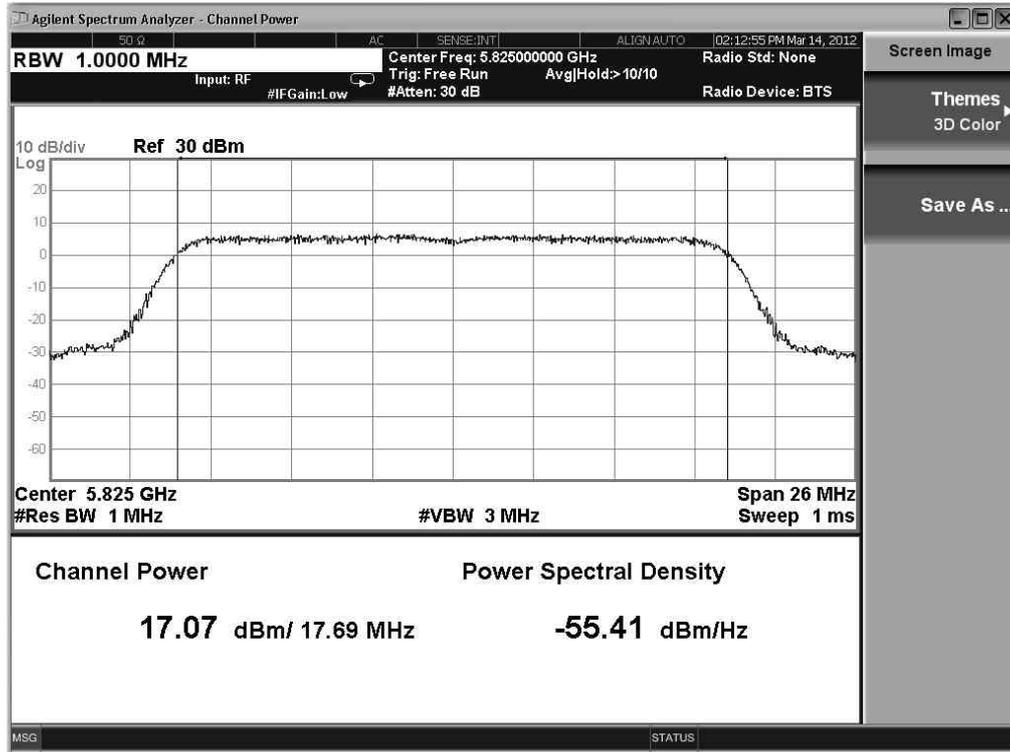
**Channel 149**



**Channel 157**



Channel 165



Product	Dual-band Wireless-N Adapter		
Test Item	Peak Power Output		
Test Mode	Mode 1: Transmit		
Date of Test	2012/03/06	Test Site	SR7

IEEE 802.11n 20MHz (ANT 0+1+2)

Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
149	5745	22.32	1Watt= 30 dBm	Pass
157	5785	22.32	1Watt= 30 dBm	Pass
165	5825	22.87	1Watt= 30 dBm	Pass

The worst emission of data rate is 19.5 Mbps.

Peak Power Output (dBm)										
MCS Index		8	9	10	11	12	13	14	15	Required Limit
Channel No	Frequency (MHz)	Data Rate								
		19.5	39	58.5	78	117	156	175.5	195	
149	5745	22.32	--	--	--	--	--	--	--	30dBm
157	5785	22.32	22.01	21.98	21.88	21.78	21.62	21.55	21.54	30dBm
165	5825	22.87	--	--	--	--	--	--	--	30dBm

Product	Dual-band Wireless-N Adapter		
Test Item	Peak Power Output		
Test Mode	Mode 1: Transmit		
Date of Test	2012/03/06	Test Site	SR7

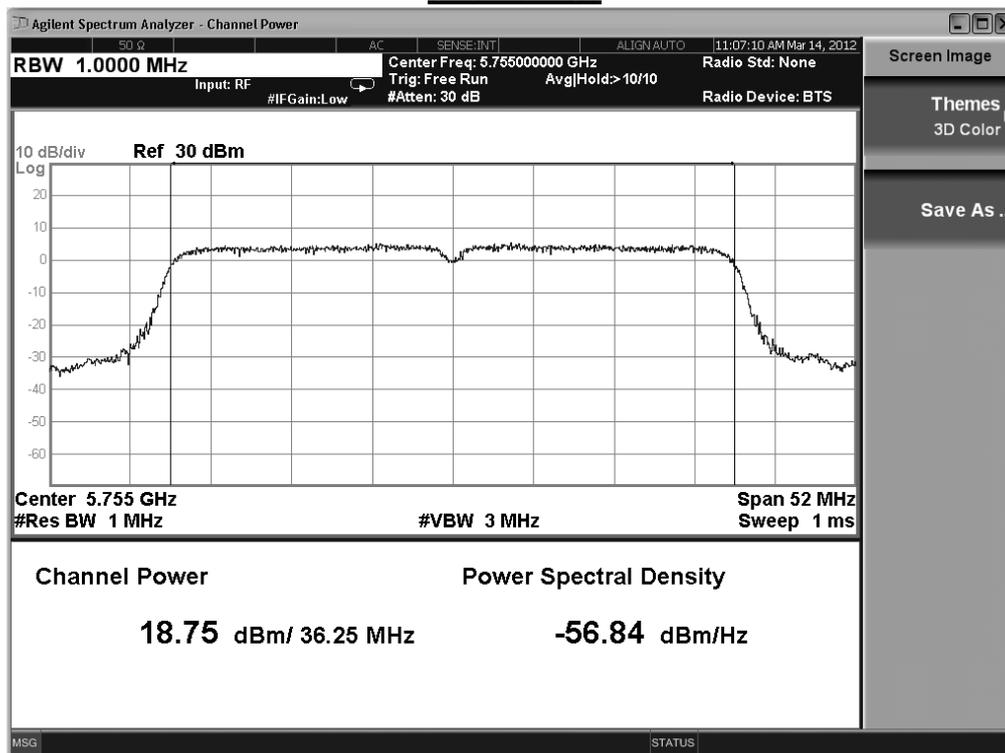
IEEE802.11n 40MHz(ANT 0)

Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
151	5755	18.75	1Watt= 30 dBm	Pass
159	5795	18.30	1Watt= 30 dBm	Pass

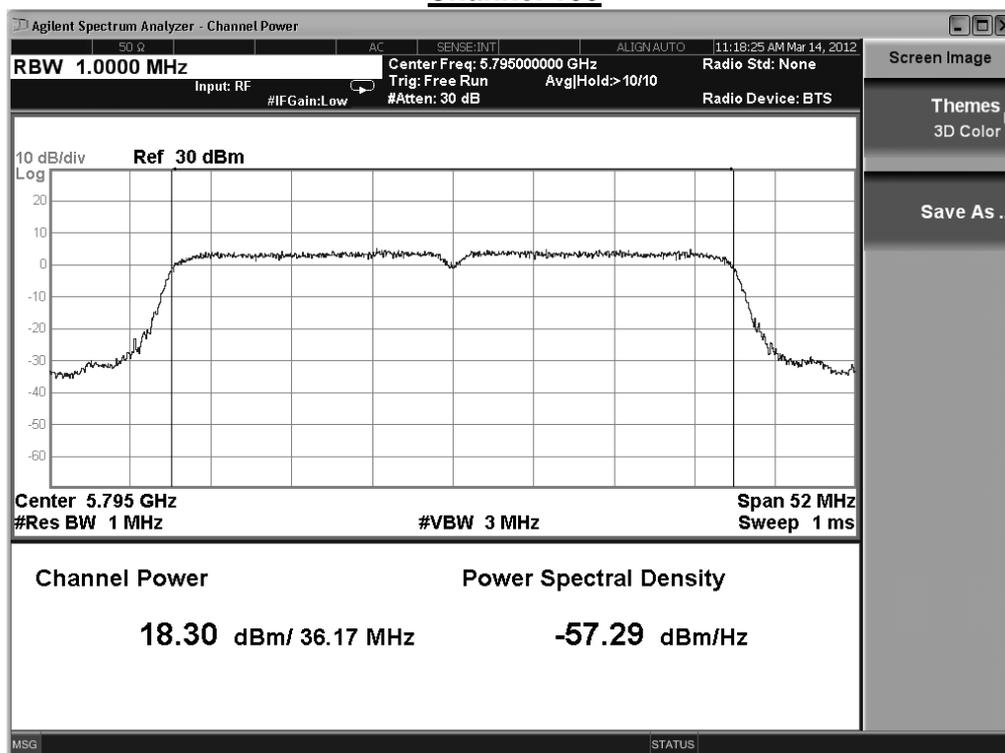
The worst emission of data rate is 40.5Mbps

Peak Power Output (dBm)										
MCS Index		16	17	18	19	20	21	22	23	Required Limit
Channel No	Frequency (MHz)	Data Rate								
		40.5	81.0	121.5	162.0	243.0	324.0	364.5	405.0	
151	5755	18.75	18.43	18.36	18.24	18.12	18.03	17.95	17.91	30dBm
159	5795	18.30	--	--	--	--	--	--	--	30dBm

### Channel 151



### Channel 159



Product	Dual-band Wireless-N Adapter		
Test Item	Peak Power Output		
Test Mode	Mode 1: Transmit		
Date of Test	2012/03/06	Test Site	SR7

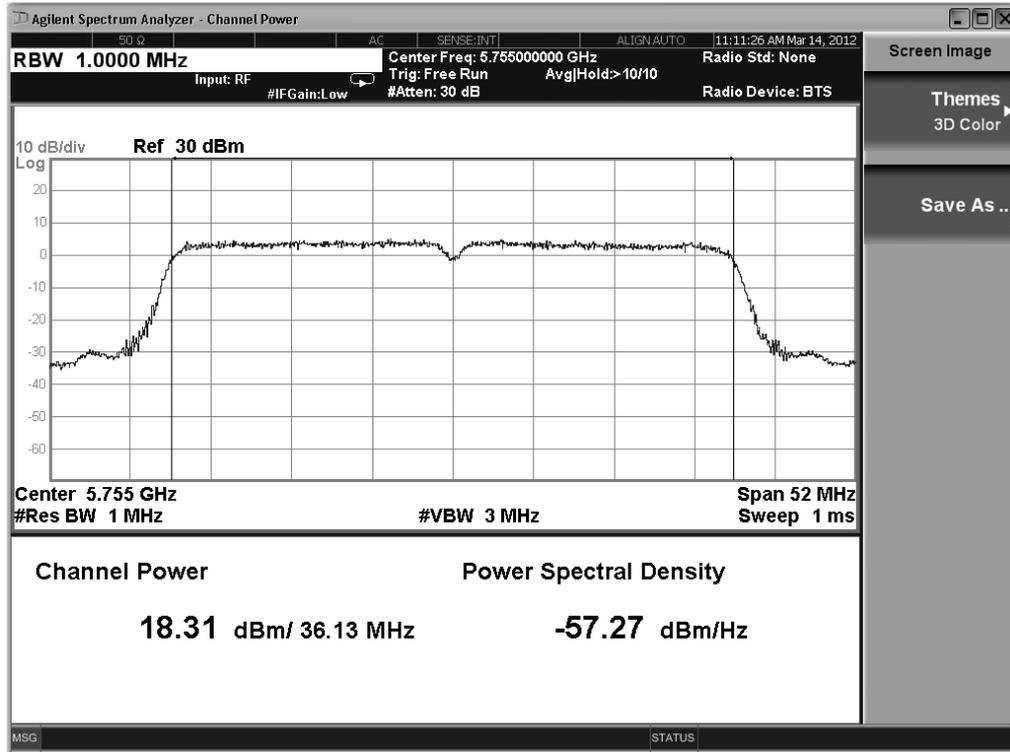
IEEE802.11n 40MHz(ANT 1)

Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
151	5755	18.31	1Watt= 30 dBm	Pass
159	5795	17.92	1Watt= 30 dBm	Pass

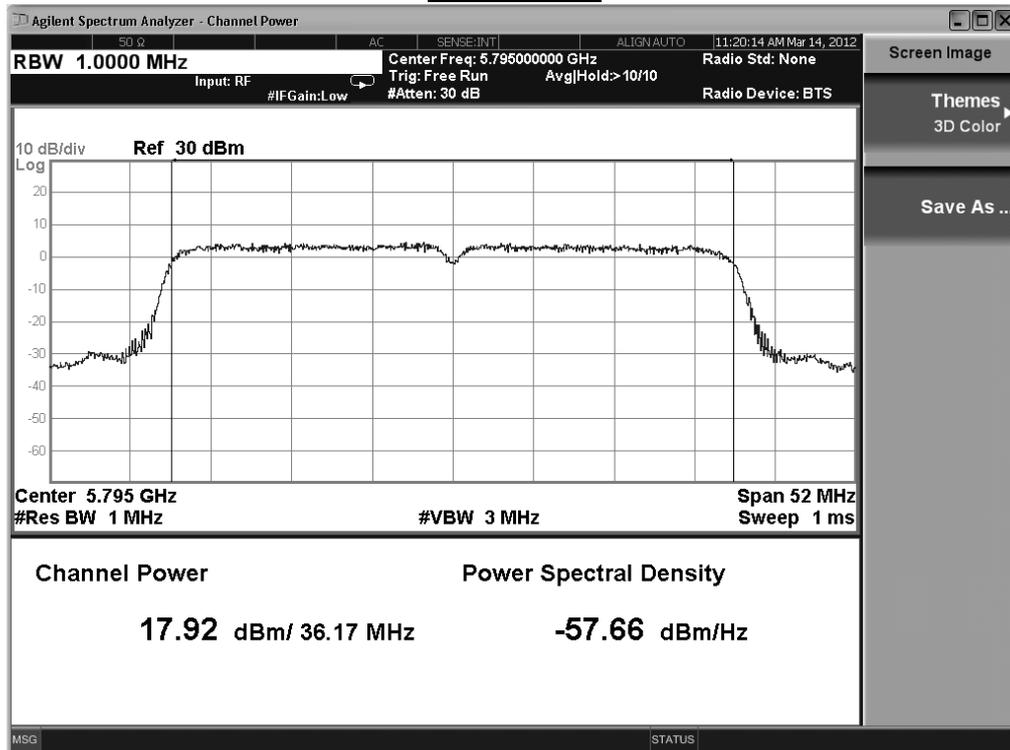
The worst emission of data rate is 40.5Mbps

Peak Power Output (dBm)										
MCS Index		16	17	18	19	20	21	22	23	Required Limit
Channel No	Frequency (MHz)	Data Rate								
		40.5	81.0	121.5	162.0	243.0	324.0	364.5	405.0	
151	5755	18.31	18.01	17.88	17.72	17.51	17.43	17.32	17.12	30dBm
159	5795	17.92	--	--	--	--	--	--	--	30dBm

**Channel 151**



**Channel 159**



Product	Dual-band Wireless-N Adapter		
Test Item	Peak Power Output		
Test Mode	Mode 1: Transmit		
Date of Test	2012/03/06	Test Site	SR7

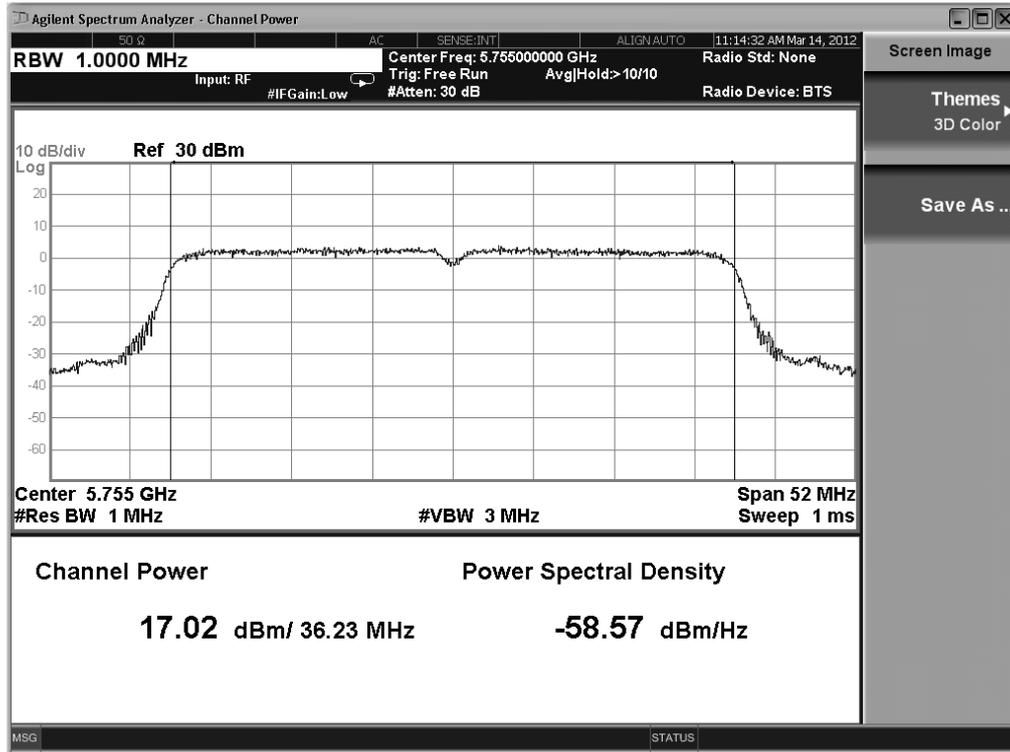
IEEE802.11n 40MHz(ANT 2)

Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
151	5755	17.02	1Watt= 30 dBm	Pass
159	5795	16.60	1Watt= 30 dBm	Pass

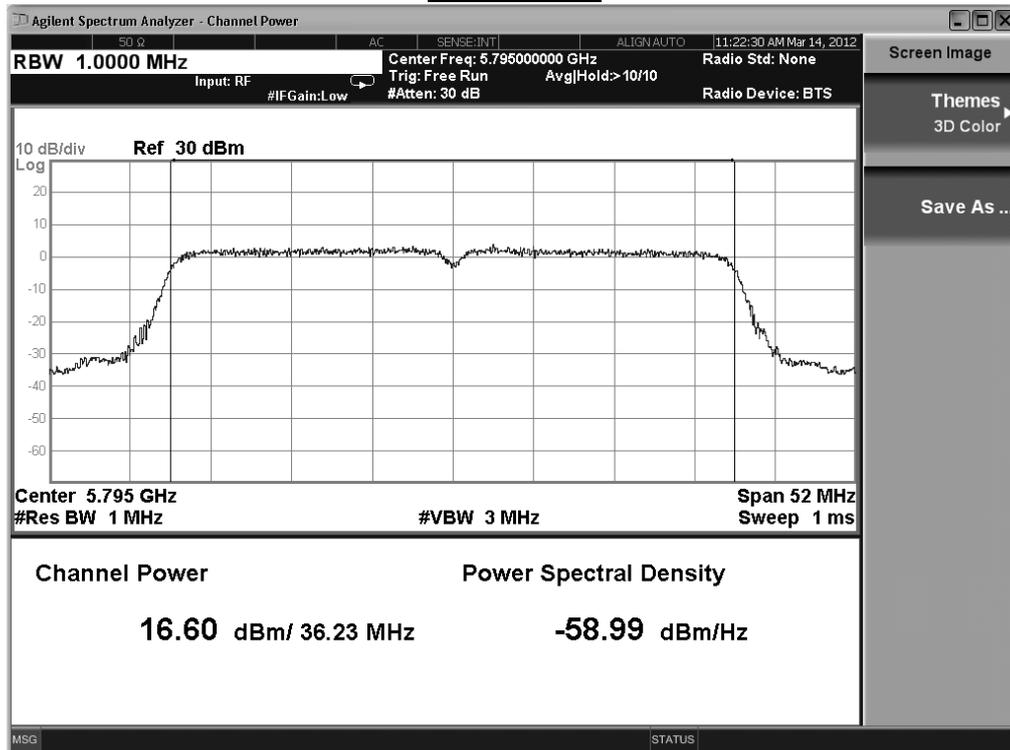
The worst emission of data rate is 40.5Mbps

Peak Power Output (dBm)										
MCS Index		16	17	18	19	20	21	22	23	Required Limit
Channel No	Frequency (MHz)	Data Rate								
		40.5	81.0	121.5	162.0	243.0	324.0	364.5	405.0	
151	5755	17.02	16.13	16.11	16.02	15.94	15.81	15.71	15.62	30dBm
159	5795	16.60	--	--	--	--	--	--	--	30dBm

**Channel 151**



**Channel 159**



Product	Dual-band Wireless-N Adapter		
Test Item	Peak Power Output		
Test Mode	Mode 1: Transmit		
Date of Test	2012/03/06	Test Site	SR7

IEEE802.11n 40MHz(ANT 0+1+2)

Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
151	5755	22.86	1Watt= 30 dBm	Pass
159	5795	22.44	1Watt= 30 dBm	Pass

The worst emission of data rate is 40.5Mbps

Peak Power Output (dBm)										
MCS Index		16	17	18	19	20	21	22	23	Required Limit
Channel No	Frequency (MHz)	Data Rate								
		40.5	81.0	121.5	162.0	243.0	324.0	364.5	405.0	
151	5755	22.86	23.12	22.12	22.01	21.83	21.82	21.78	21.73	30dBm
159	5795	22.44	--	--	--	--	--	--	--	30dBm

4. Radiated Emission

4.1. Test Equipment

The following test equipments are used during the test:

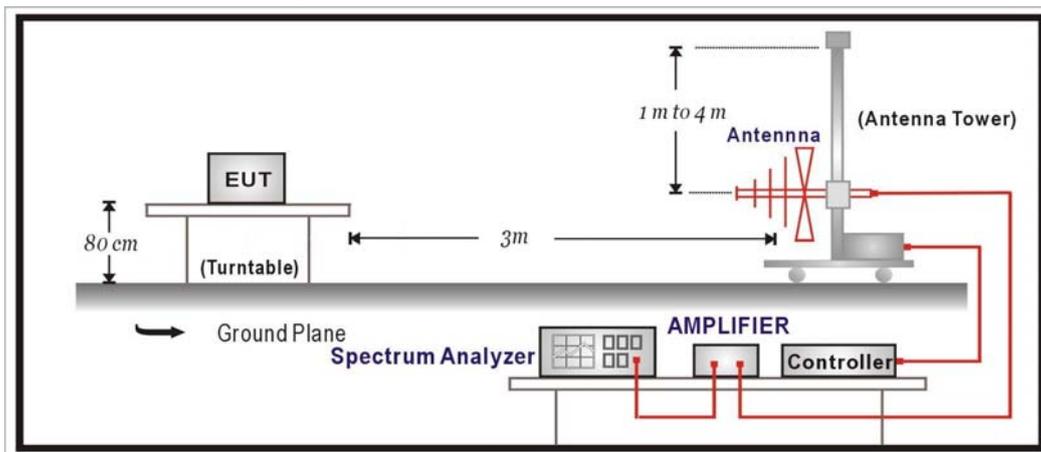
Radiated Emission / CB1

Instrument	Manufacturer	Model No.	Serial No	Next Cal. Date
Bilog Antenna	SCHAFFNER	CBL6112B	2895	2012/08/14
Double Ridged Guide Horn Antenna	Schwarzback	BBHA 9120D	743	2013/02/02
Pre-Amplifier	MITEQ	AMF-4D-005180-24-10P	888003	2012/12/05
Pre-Amplifier	QuieTek	AP-025C	CHM-0706049	2013/02/02
Spectrum Analyzer	Agilent	E4440A	MY46187335	2013/02/07
Coaxial Cable	Huber+Suhner AG	Sucoflex 102	25623/2	2013/03/04

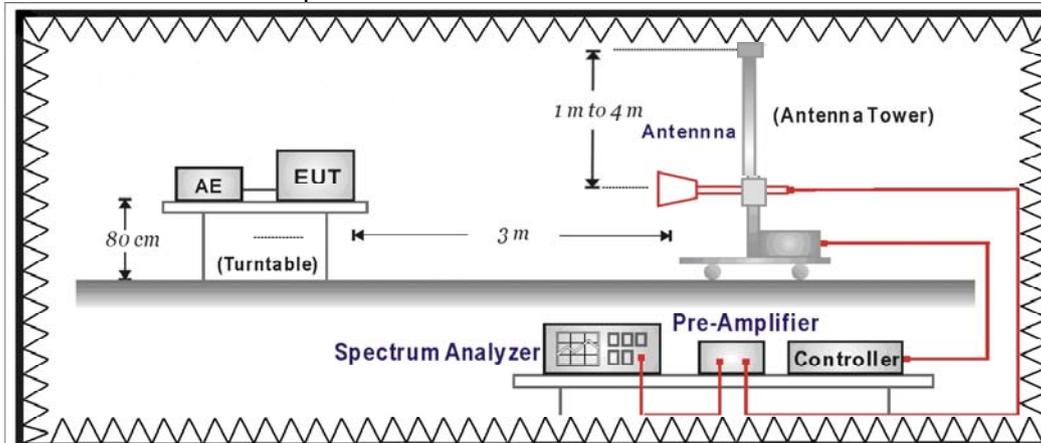
Note: 1. All equipments that need to calibrate are with calibration period of 1 year.

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.

<b>FCC Part 15 Subpart C Paragraph 15.209 Limits</b>		
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: 2009 and tested according to DTS test procedure of Jan. 2012 KDB558074 for compliance to FCC 47CFR 15.247 requirements. The EUT and its simulators are placed on a turn table which is 0.8 meter above ground. The turn table can rotate 360 degrees to determine the position of the maximum emission level. The antenna can move up and down between 1 meter and 4 meters to find out the maximum emission level.

Both horizontal and vertical polarization of the antenna are set on measurement. In order to find the maximum emission, all of the interface cables must be manipulated according to ANSI C63.4: 2009 on radiated measurement.

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

**4.5. Test Specification**

According to FCC Part 15 Subpart C Paragraph 15.247: 2010

**4.6. Uncertainty**

The measurement uncertainty

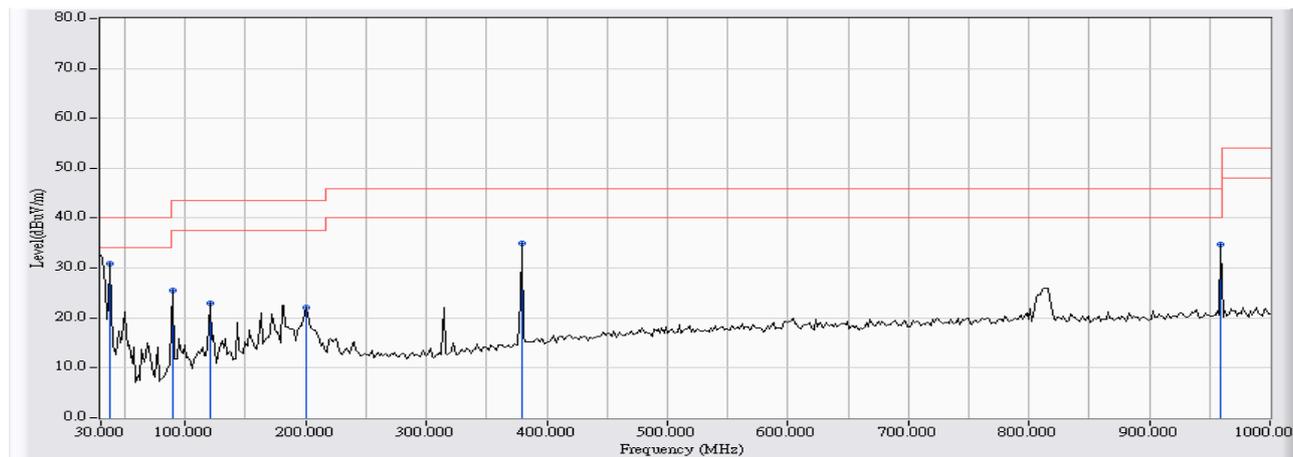
30MHz~1GHz as ±3.43dB

1GHz~26.5Ghz as ±3.65dB

4.7. Test Result

30MHz-1GHz Spurious

Site : CB1	Time : 2012/02/13 - 19:00
Limit : FCC_CLASS_B_03M_QP	Margin : 6
Probe : CB1_FCC_EFS_30-1G-1_0901 - HORIZONTAL	Power : AC 120V/60Hz
EUT : Dual-band Wireless-N Adapter	Note : 802.11_b_2437MHz

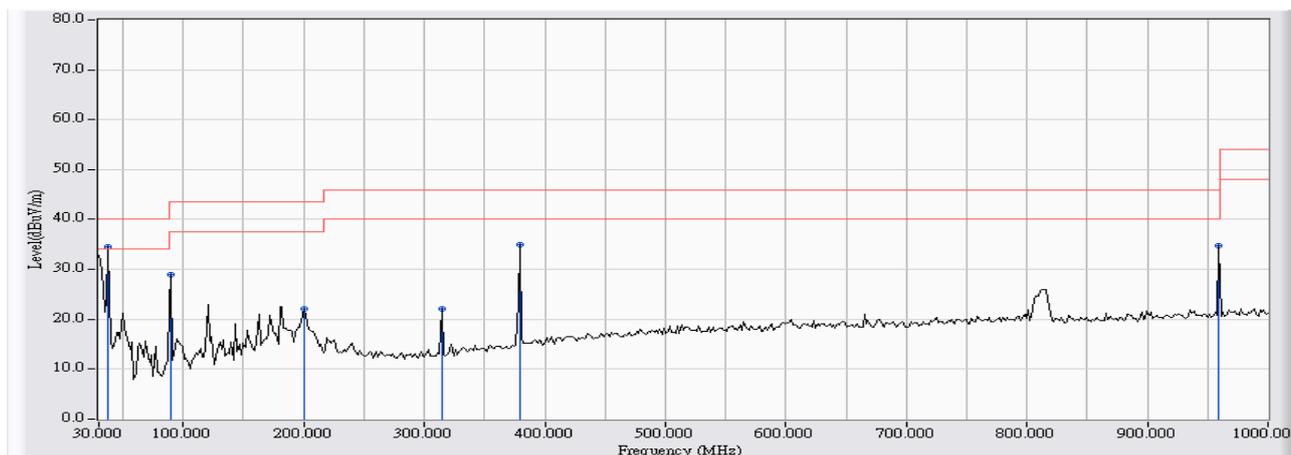


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	38.083	-11.772	42.667	30.896	-9.104	40.000	QUASIPeAK
2		89.817	-15.688	41.280	25.592	-17.908	43.500	QUASIPeAK
3		120.533	-11.820	34.792	22.972	-20.528	43.500	QUASIPeAK
4		199.750	-14.715	36.895	22.180	-21.320	43.500	QUASIPeAK
5		379.200	-7.972	42.991	35.020	-10.980	46.000	QUASIPeAK
6		959.583	-1.348	36.196	34.848	-11.152	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 : CB1	Time : 2012/02/13 - 19:05
Limit : FCC_CLASS_B_03M_QP	Margin : 6
Probe : CB1_FCC_EFS_30-1G-1_0901 - VERTICAL	Power : AC 120V/60Hz
EUT : Dual-band Wireless-N Adapter	Note : 802.11_b_2437MHz

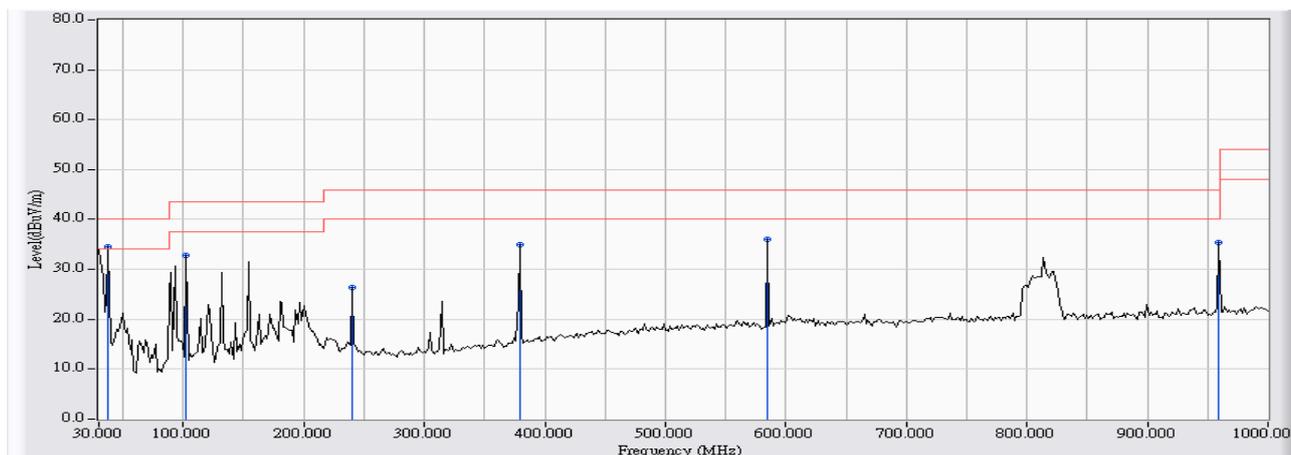


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	38.083	-11.772	46.390	34.619	-5.381	40.000	QUASPEAK
2		89.817	-15.688	44.593	28.905	-14.595	43.500	QUASPEAK
3		199.750	-14.715	36.895	22.180	-21.320	43.500	QUASPEAK
4		314.533	-9.849	32.017	22.168	-23.832	46.000	QUASPEAK
5		379.200	-7.972	42.991	35.020	-10.980	46.000	QUASPEAK
6		959.583	-1.348	36.196	34.848	-11.152	46.000	QUASPEAK

**Note:**

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

Site : CB1	Time : 2012/02/13 - 19:36
Limit : FCC_CLASS_B_03M_QP	Margin : 6
Probe : CB1_FCC_EFS_30-1G-1_0901 - HORIZONTAL	Power : AC 120V/60Hz
EUT : Dual-band Wireless-N Adapter	Note : 802.11_g_2437MHz

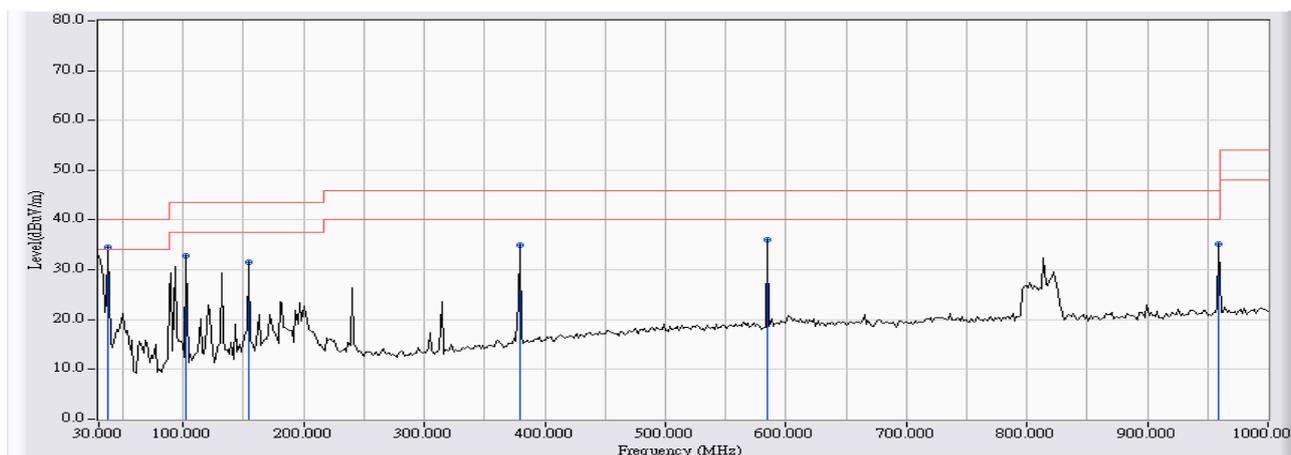


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	38.083	-11.772	46.390	34.619	-5.381	40.000	QUASPEAK
2		102.750	-13.285	46.207	32.922	-10.578	43.500	QUASPEAK
3		240.167	-11.784	38.251	26.467	-19.533	46.000	QUASPEAK
4		379.200	-7.972	42.991	35.020	-10.980	46.000	QUASPEAK
5		584.517	-4.453	40.516	36.062	-9.938	46.000	QUASPEAK
6		959.583	-1.348	36.710	35.362	-10.638	46.000	QUASPEAK

**Note:**

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

Site : CB1	Time : 2012/02/13 - 19:36
Limit : FCC_CLASS_B_03M_QP	Margin : 6
Probe : CB1_FCC_EFS_30-1G-1_0901 - VERTICAL	Power : AC 120V/60Hz
EUT : Dual-band Wireless-N Adapter	Note : 802.11_g_2437MHz

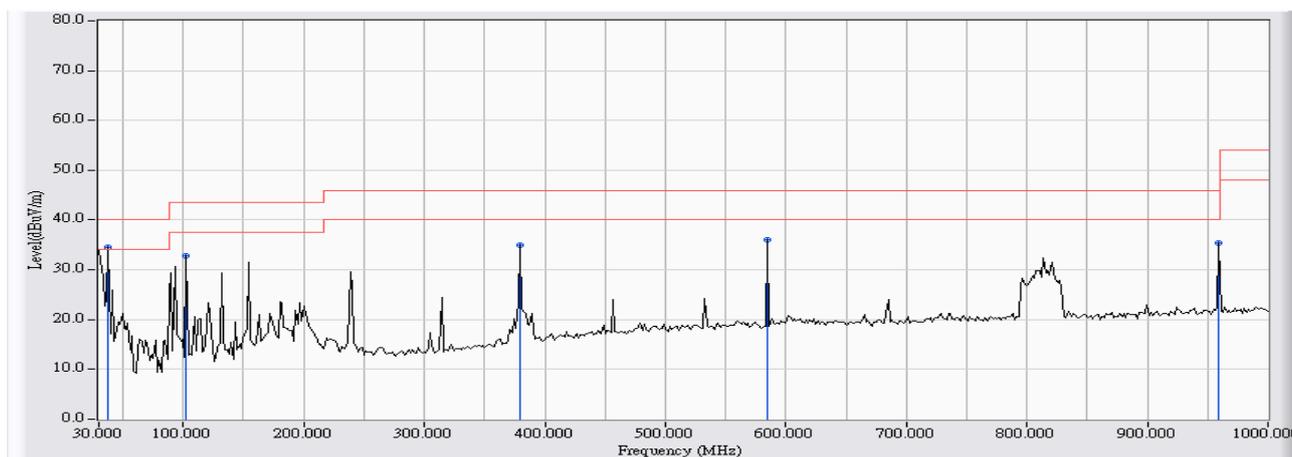


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	38.083	-11.772	46.390	34.619	-5.381	40.000	QUASPEAK
2		102.750	-13.285	46.207	32.922	-10.578	43.500	QUASPEAK
3		154.483	-13.667	45.107	31.440	-12.060	43.500	QUASPEAK
4		379.200	-7.972	42.991	35.020	-10.980	46.000	QUASPEAK
5		584.517	-4.453	40.516	36.062	-9.938	46.000	QUASPEAK
6		959.583	-1.348	36.419	35.071	-10.929	46.000	QUASPEAK

**Note:**

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

Site : CB1	Time : 2012/02/13 - 20:04
Limit : FCC_CLASS_B_03M_QP	Margin : 6
Probe : CB1_FCC_EFS_30-1G-1_0901 - HORIZONTAL	Power : AC 120V/60Hz
EUT : Dual-band Wireless-N Adapter	Note : 802.11_n(20MHz)_2437MHz

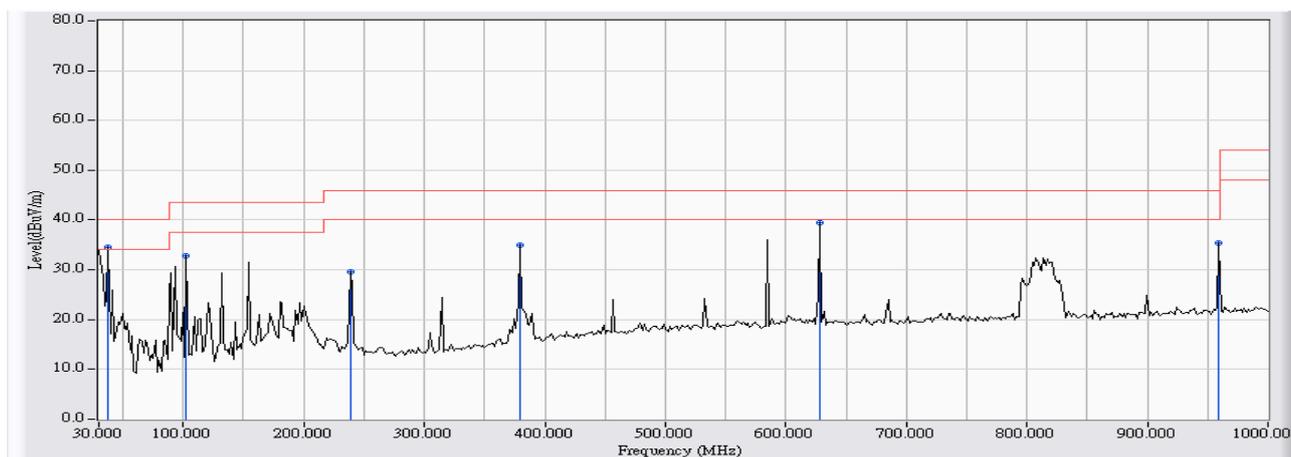


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	38.083	-11.772	46.390	34.619	-5.381	40.000	QUASPEAK
2		102.750	-13.285	46.207	32.922	-10.578	43.500	QUASPEAK
3		379.200	-7.972	42.991	35.020	-10.980	46.000	QUASPEAK
4		584.517	-4.453	40.516	36.062	-9.938	46.000	QUASPEAK
5		959.583	-1.348	36.710	35.362	-10.638	46.000	QUASPEAK

**Note:**

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

Site : CB1	Time : 2012/02/13 - 20:08
Limit : FCC_CLASS_B_03M_QP	Margin : 6
Probe : CB1_FCC_EFS_30-1G-1_0901 - VERTICAL	Power : AC 120V/60Hz
EUT : Dual-band Wireless-N Adapter	Note : 802.11_n(20MHz)_2437MHz

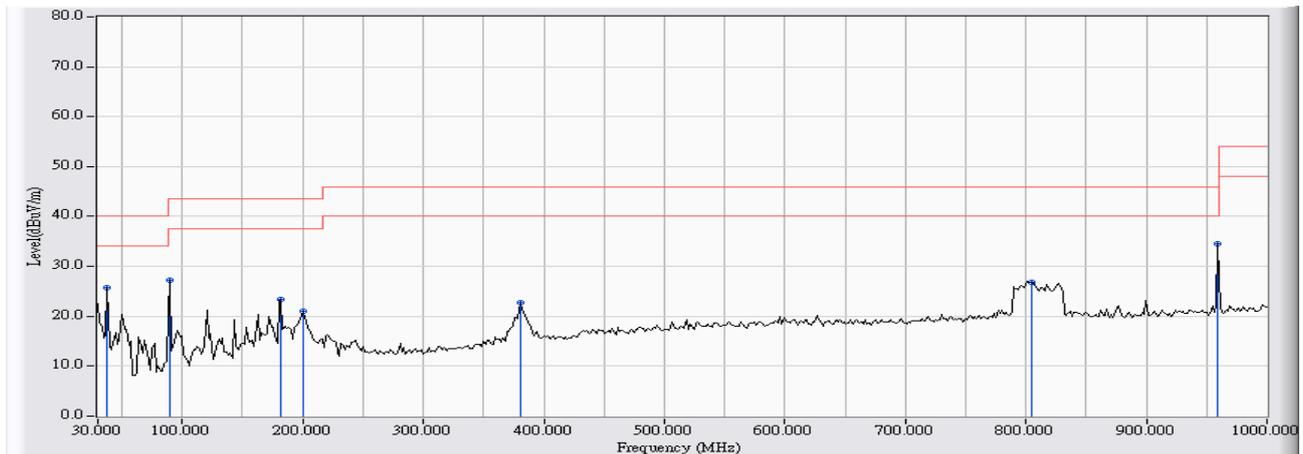


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	38.083	-11.772	46.390	34.619	-5.381	40.000	QUASPEAK
2		102.750	-13.285	46.207	32.922	-10.578	43.500	QUASPEAK
3		238.550	-11.901	41.516	29.614	-16.386	46.000	QUASPEAK
4		379.200	-7.972	42.991	35.020	-10.980	46.000	QUASPEAK
5		628.167	-4.190	43.762	39.571	-6.429	46.000	QUASPEAK
6		959.583	-1.348	36.710	35.362	-10.638	46.000	QUASPEAK

**Note:**

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

Site : CB1	Time : 2012/02/13 - 20:40
Limit : FCC_CLASS_B_03M_QP	Margin : 6
Probe : CB1_FCC_EFS_30-1G-1_0901 - HORIZONTAL	Power : AC 120V/60Hz
EUT : Dual-band Wireless-N Adapter	Note : 802.11_n(40MHz)_ 2437MHz

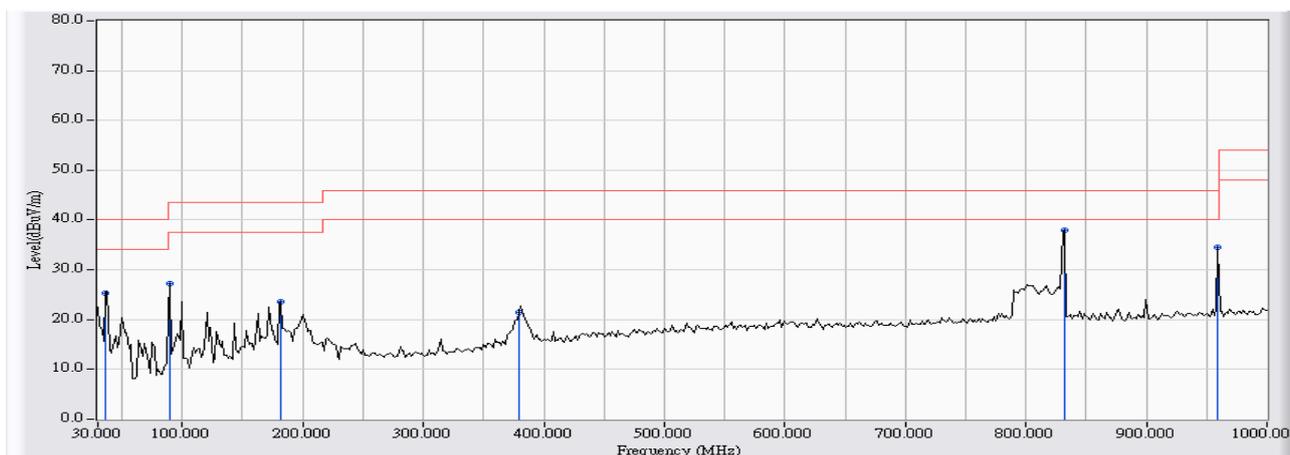


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	38.083	-11.772	37.474	25.703	-14.297	40.000	QUASPEAK
2	89.817	-15.688	42.922	27.234	-16.266	43.500	QUASPEAK
3	181.967	-14.715	38.169	23.454	-20.046	43.500	QUASPEAK
4	199.750	-14.715	35.829	21.114	-22.386	43.500	QUASPEAK
5	380.817	-7.924	30.601	22.677	-23.323	46.000	QUASPEAK
6	804.383	-2.620	29.418	26.797	-19.203	46.000	QUASPEAK
7	* 959.583	-1.348	35.923	34.575	-11.425	46.000	QUASPEAK

**Note:**

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

Site : CB1	Time : 2012/02/13 - 20:47
Limit : FCC_CLASS_B_03M_QP	Margin : 6
Probe : CB1_FCC_EFS_30-1G-1_0901 - VERTICAL	Power : AC 120V/60Hz
EUT : Dual-band Wireless-N Adapter	Note : 802.11_n(40MHz)_2437MHz

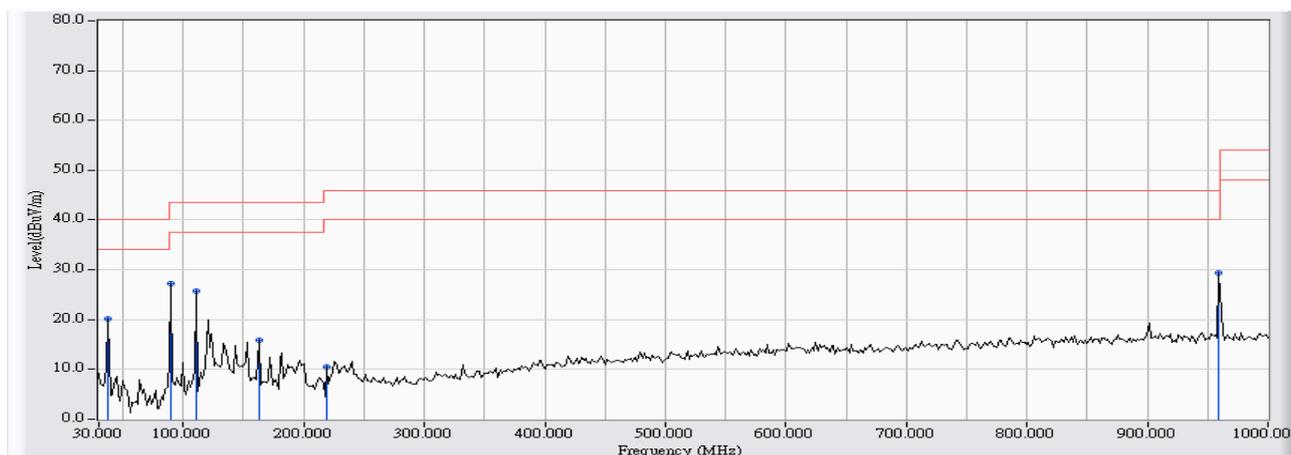


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	36.467	-11.275	36.505	25.230	-14.770	40.000	QUASPEAK
2	89.817	-15.688	42.922	27.234	-16.266	43.500	QUASPEAK
3	181.967	-14.715	38.206	23.491	-20.009	43.500	QUASPEAK
4	379.200	-7.972	29.507	21.536	-24.464	46.000	QUASPEAK
5	* 831.867	-2.441	40.331	37.889	-8.111	46.000	QUASPEAK
6	959.583	-1.348	35.923	34.575	-11.425	46.000	QUASPEAK

**Note:**

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

Site : CB1	Time : 2012/03/06 - 20:31
Limit : FCC_CLASS_B_03M_QP	Margin : 6
Probe : CB1_FCC_EFS_30-1G-1_0901 - HORIZONTAL	Power : AC 120V/60Hz
EUT : Dual-band Wireless-N Adapter	Note : 802.11_a_5785MHz

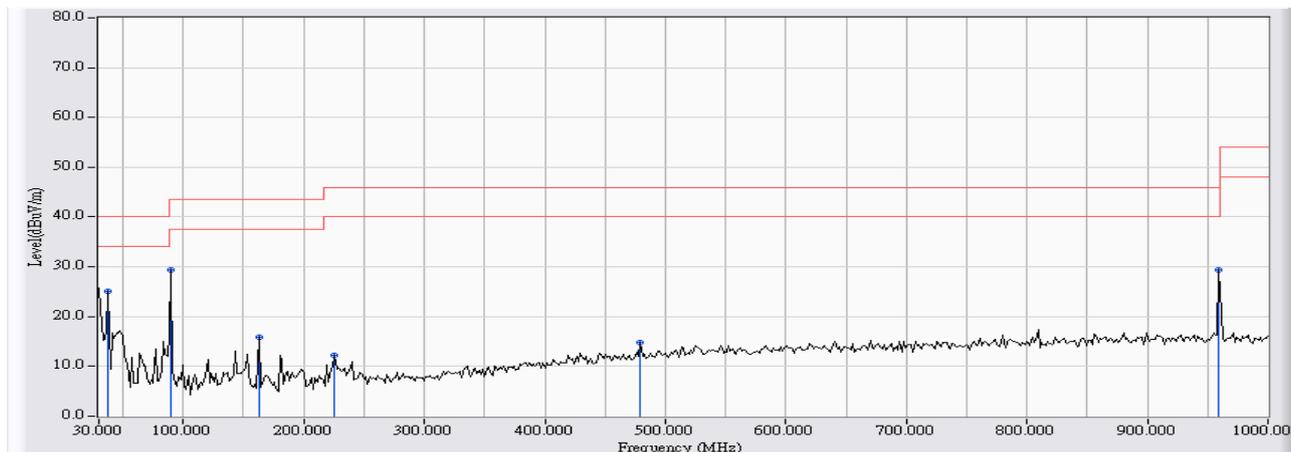


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	38.083	-43.288	63.346	20.058	-19.942	40.000	Quasi-Peak
2	* 89.817	-46.968	74.131	27.163	-16.337	43.500	Quasi-Peak
3	110.833	-43.875	69.628	25.753	-17.747	43.500	Quasi-Peak
4	162.567	-45.300	61.207	15.907	-27.593	43.500	Quasi-Peak
5	219.150	-44.516	55.047	10.530	-35.470	46.000	Quasi-Peak
6	959.583	-32.272	61.750	29.478	-16.522	46.000	Quasi-Peak

**Note:**

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

Site : CB1	Time : 2012/03/06 - 20:37
Limit : FCC_CLASS_B_03M_QP	Margin : 6
Probe : CB1_FCC_EFS_30-1G-1_0901 - VERTICAL	Power : AC 120V/60Hz
EUT : Dual-band Wireless-N Adapter	Note : 802.11_a_5785MHz

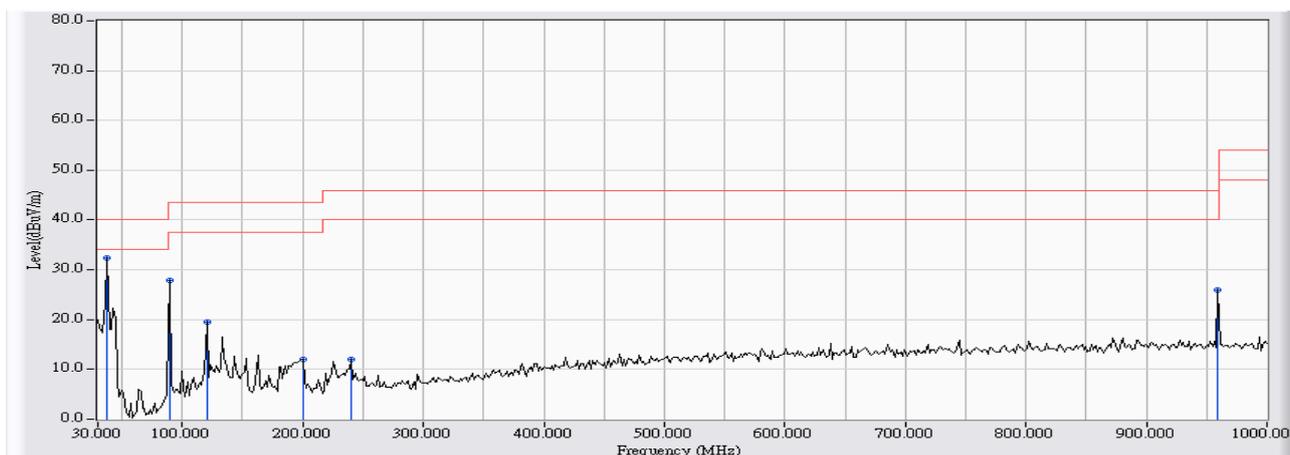


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	38.083	-43.288	68.420	25.132	-14.868	40.000	Quasi-Peak
2	* 89.817	-46.968	76.286	29.318	-14.182	43.500	Quasi-Peak
3	162.567	-45.300	61.228	15.928	-27.572	43.500	Quasi-Peak
4	225.617	-44.037	56.196	12.159	-33.841	46.000	Quasi-Peak
5	479.433	-36.729	51.463	14.733	-31.267	46.000	Quasi-Peak
6	959.583	-32.272	61.634	29.362	-16.638	46.000	Quasi-Peak

**Note:**

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

Site : CB1	Time : 2012/03/06 - 20:44
Limit : FCC_CLASS_B_03M_QP	Margin : 6
Probe : CB1_FCC_EFS_30-1G-1_0901 - HORIZONTAL	Power : AC 120V/60Hz
EUT : Dual-band Wireless-N Adapter	Note : 802.11_n(20MHz)_5785MHz

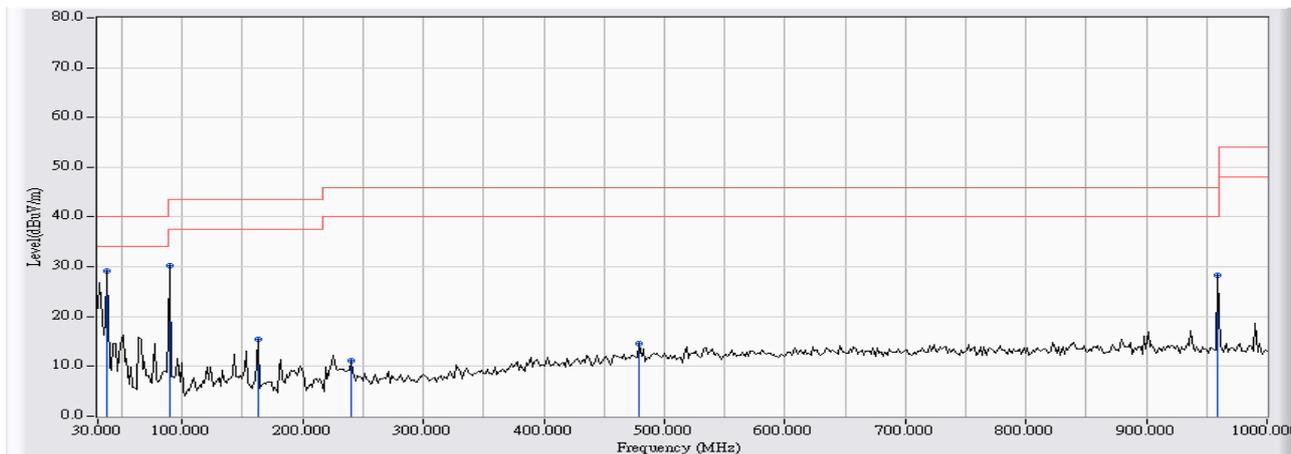


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	38.083	-43.288	75.624	32.336	-7.664	40.000	Quasi-Peak
2		89.817	-46.968	74.792	27.824	-15.676	43.500	Quasi-Peak
3		120.533	-43.121	62.548	19.427	-24.073	43.500	Quasi-Peak
4		199.750	-45.937	57.855	11.918	-31.582	43.500	Quasi-Peak
5		240.167	-42.952	54.956	12.004	-33.996	46.000	Quasi-Peak
6		959.583	-32.272	58.129	25.857	-20.143	46.000	Quasi-Peak

**Note:**

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

Site : CB1	Time : 2012/03/06 - 20:49
Limit : FCC_CLASS_B_03M_QP	Margin : 6
Probe : CB1_FCC_EFS_30-1G-1_0901 - VERTICAL	Power : AC 120V/60Hz
EUT : Dual-band Wireless-N Adapter	Note : 802.11_n(20MHz)_5785MHz

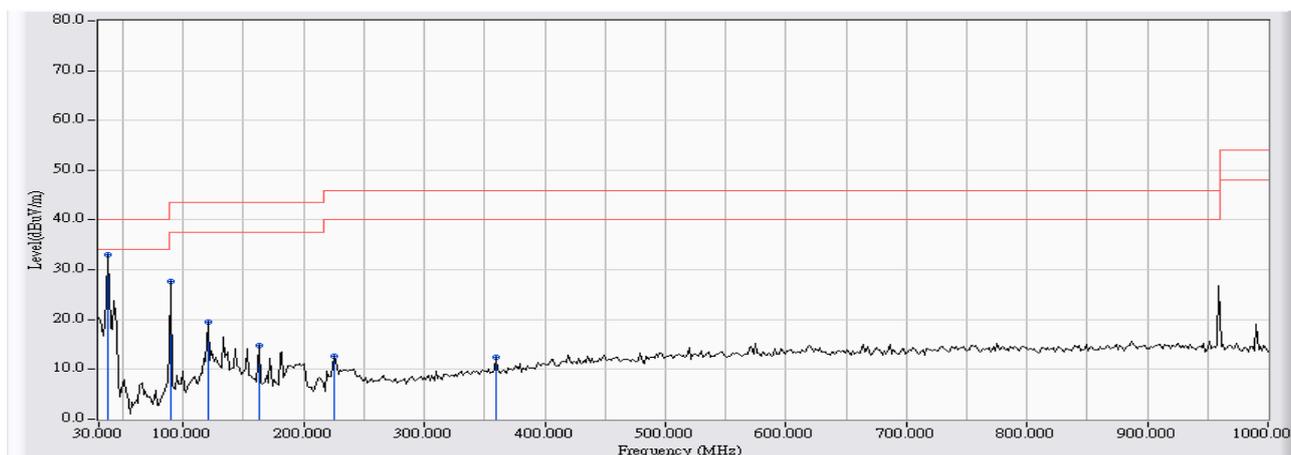


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	38.083	-43.288	72.458	29.170	-10.830	40.000	Quasi-Peak
2		89.817	-46.968	77.141	30.173	-13.327	43.500	Quasi-Peak
3		162.567	-45.300	60.805	15.505	-27.995	43.500	Quasi-Peak
4		240.167	-42.952	54.044	11.092	-34.908	46.000	Quasi-Peak
5		479.433	-36.729	51.357	14.627	-31.373	46.000	Quasi-Peak
6		959.583	-32.272	60.561	28.289	-17.711	46.000	Quasi-Peak

**Note:**

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

Site : CB1	Time : 2012/03/06 - 20:25
Limit : FCC_CLASS_B_03M_QP	Margin : 6
Probe : CB1_FCC_EFS_30-1G-1_0901 - HORIZONTAL	Power : AC 120V/60Hz
EUT : Dual-band Wireless-N Adapter	Note : 802.11_n(40MHz)_5755MHz

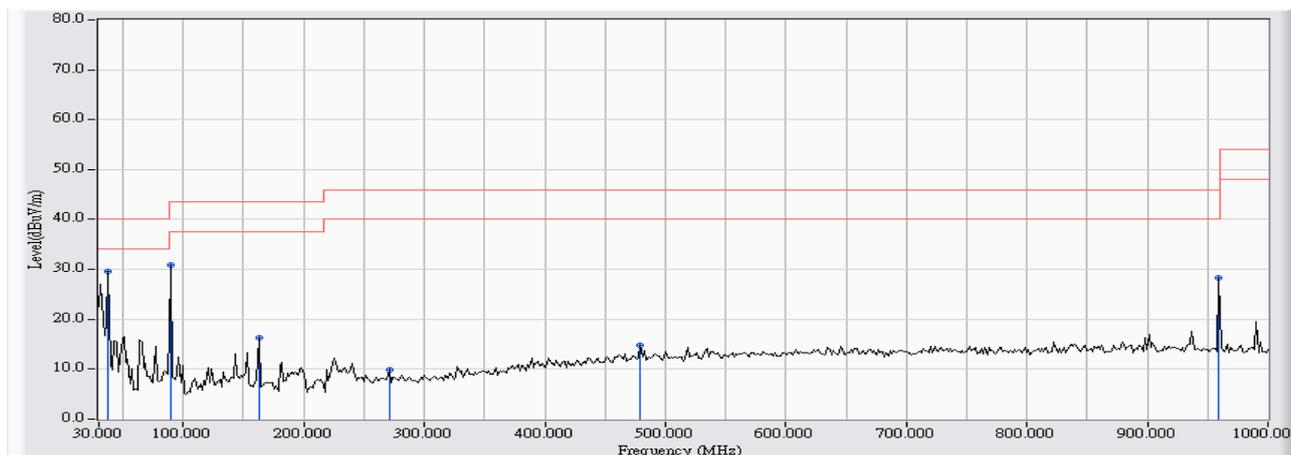


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	38.083	-43.288	76.371	33.083	-6.917	40.000	Quasi-Peak
2		89.817	-46.968	74.637	27.669	-15.831	43.500	Quasi-Peak
3		120.533	-43.121	62.715	19.594	-23.906	43.500	Quasi-Peak
4		162.567	-45.300	60.197	14.897	-28.603	43.500	Quasi-Peak
5		225.617	-44.037	56.681	12.644	-33.356	46.000	Quasi-Peak
6		359.800	-39.506	51.891	12.385	-33.615	46.000	Quasi-Peak

**Note:**

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

Site : CB1	Time : 2012/03/06 - 20:29
Limit : FCC_CLASS_B_03M_QP	Margin : 6
Probe : CB1_FCC_EFS_30-1G-1_0901 - VERTICAL	Power : AC 120V/60Hz
EUT : Dual-band Wireless-N Adapter	Note : 802.11_n(40MHz)_5755MHz



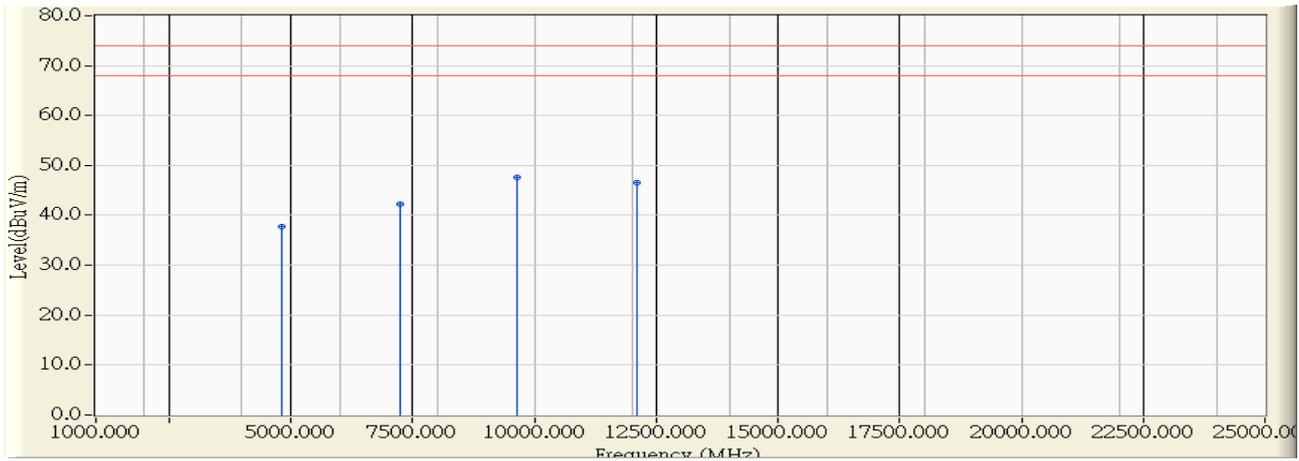
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	38.083	-43.288	72.881	29.593	-10.407	40.000	Quasi-Peak
2		89.817	-46.968	77.870	30.902	-12.598	43.500	Quasi-Peak
3		162.567	-45.300	61.589	16.289	-27.211	43.500	Quasi-Peak
4		270.883	-41.855	51.825	9.970	-36.030	46.000	Quasi-Peak
5		479.433	-36.729	51.605	14.875	-31.125	46.000	Quasi-Peak
6		959.583	-32.272	60.632	28.360	-17.640	46.000	Quasi-Peak

**Note:**

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

**Above 1GHz Spurious**

Site : CB1	Time : 2012/03/01 - 16:29
Limit : FCC_SpartC_15.247_H_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	Power : AC 120V/60Hz
EUT : Dual-band Wireless-N Adapter	Note : 802.11b_2412MHz

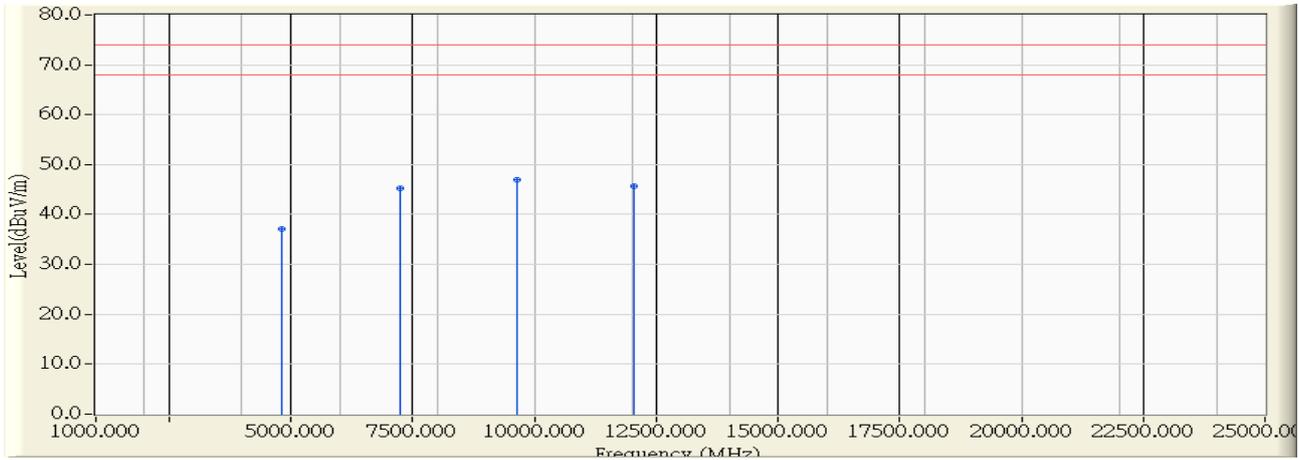


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Average Limit (dBuV/m)	Peak Limit (dBuV/m)	Detector Type
1	4824.000	-0.803	38.560	37.757	-36.243	54.000	74.000	PEAK
2	7236.000	5.497	36.650	42.146	-31.854	54.000	74.000	PEAK
3	* 9648.000	9.230	38.330	47.561	-26.439	54.000	74.000	PEAK
4	12108.000	11.508	34.940	46.448	-27.552	54.000	74.000	PEAK

**Note:**

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ \* ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The Emission above 18GHz were not included is because their levels are too low.

Site : CB1	Time : 2012/03/01 - 16:31
Limit : FCC_SpartC_15.247_H_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	Power : AC 120V/60Hz
EUT : Dual-band Wireless-N Adapter	Note : 802.11b_2412MHz

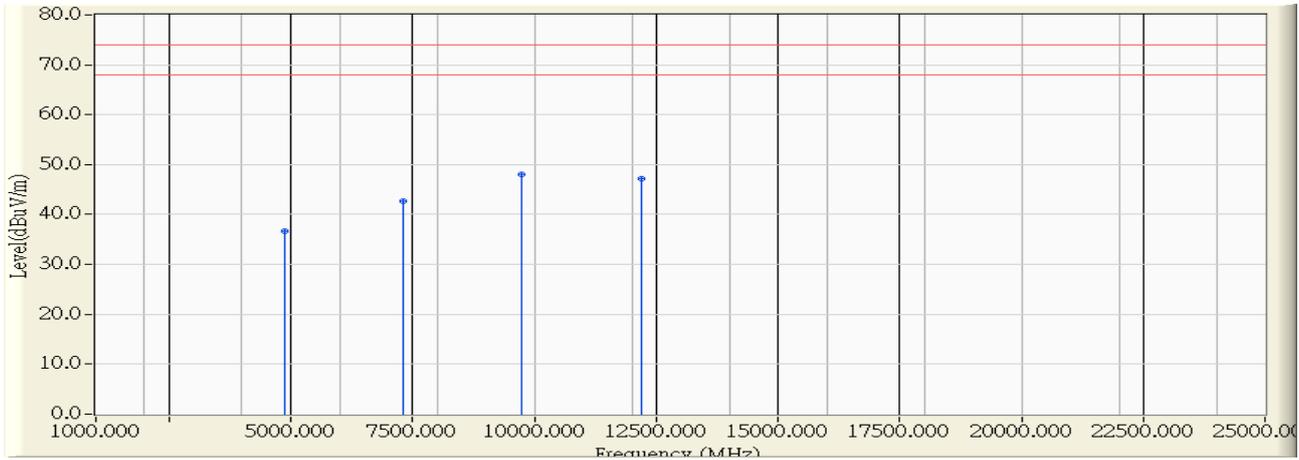


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Average Limit (dBuV/m)	Peak Limit (dBuV/m)	Detector Type
1	4824.000	-0.803	37.912	37.109	-36.891	54.000	74.000	PEAK
2	7236.000	5.497	39.687	45.183	-28.817	54.000	74.000	PEAK
3	* 9648.000	9.230	37.634	46.865	-27.135	54.000	74.000	PEAK
4	12060.000	11.525	34.227	45.752	-28.248	54.000	74.000	PEAK

**Note:**

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ \* ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The Emission above 18GHz were not included is because their levels are too low.

Site : CB1	Time : 2012/03/01 - 16:35
Limit : FCC_SpartC_15.247_H_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	Power : AC 120V/60Hz
EUT : Dual-band Wireless-N Adapter	Note : 802.11b_2437MHz

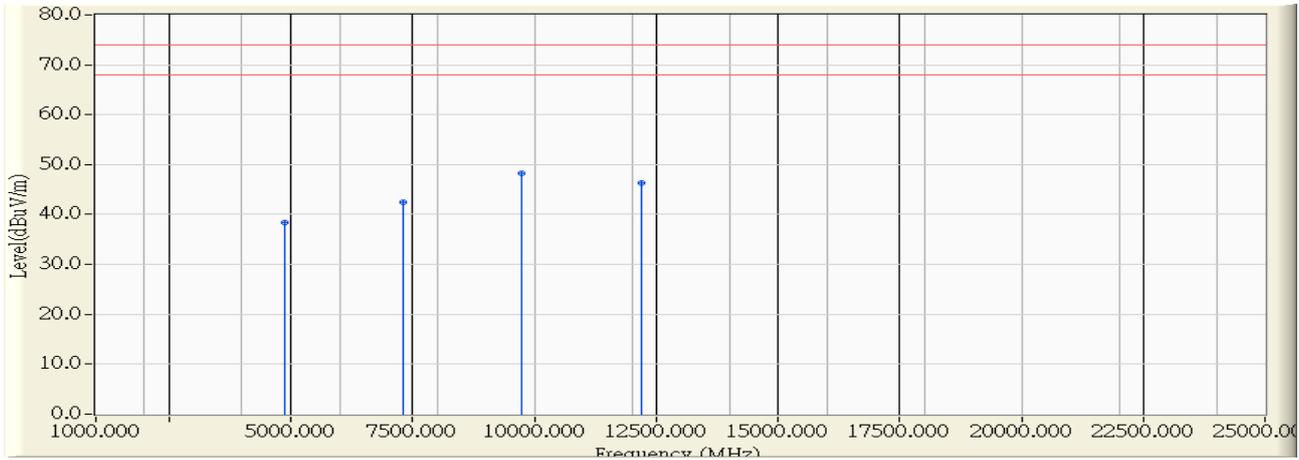


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Average Limit (dBuV/m)	Peak Limit (dBuV/m)	Detector Type
1	4874.000	-0.672	37.286	36.614	-37.386	54.000	74.000	PEAK
2	7311.000	5.678	36.968	42.645	-31.355	54.000	74.000	PEAK
3	* 9748.000	9.955	38.024	47.979	-26.021	54.000	74.000	PEAK
4	12185.000	11.481	35.690	47.171	-26.829	54.000	74.000	PEAK

**Note:**

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ \* ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The Emission above 18GHz were not included is because their levels are too low.

Site : CB1	Time : 2012/03/01 - 16:38
Limit : FCC_SpartC_15.247_H_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	Power : AC 120V/60Hz
EUT : Dual-band Wireless-N Adapter	Note : 802.11b_2437MHz

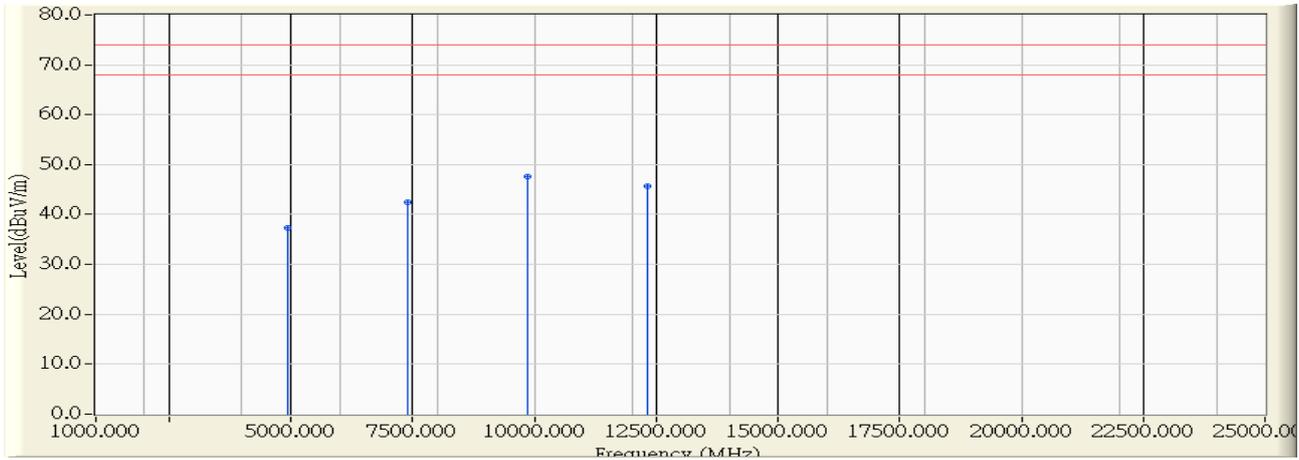


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Average Limit (dBuV/m)	Peak Limit (dBuV/m)	Detector Type
1	4874.000	-0.672	39.009	38.337	-35.663	54.000	74.000	PEAK
2	7311.000	5.678	36.726	42.403	-31.597	54.000	74.000	PEAK
3	* 9748.000	9.955	38.244	48.199	-25.801	54.000	74.000	PEAK
4	12185.000	11.481	34.935	46.416	-27.584	54.000	74.000	PEAK

**Note:**

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ \* ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The Emission above 18GHz were not included is because their levels are too low.

Site : CB1	Time : 2012/03/01 - 16:42
Limit : FCC_SpartC_15.247_H_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	Power : AC 120V/60Hz
EUT : Dual-band Wireless-N Adapter	Note : 802.11b_2462MHz

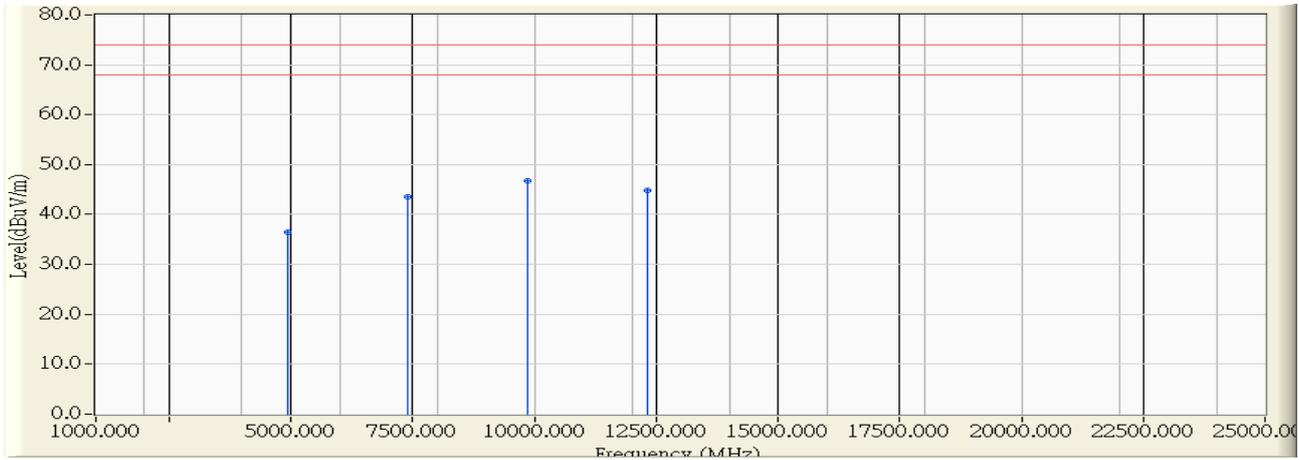


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Average Limit (dBuV/m)	Peak Limit (dBuV/m)	Detector Type
1	4924.000	-0.541	37.831	37.290	-36.710	54.000	74.000	PEAK
2	7386.000	5.859	36.592	42.450	-31.550	54.000	74.000	PEAK
3	* 9848.000	10.680	36.930	47.610	-26.390	54.000	74.000	PEAK
4	12310.000	11.437	34.251	45.688	-28.312	54.000	74.000	PEAK

**Note:**

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ \* ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The Emission above 18GHz were not included is because their levels are too low.

Site : CB1	Time : 2012/03/01 - 16:44
Limit : FCC_SpartC_15.247_H_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	Power : AC 120V/60Hz
EUT : Dual-band Wireless-N Adapter	Note : 802.11b_2462MHz

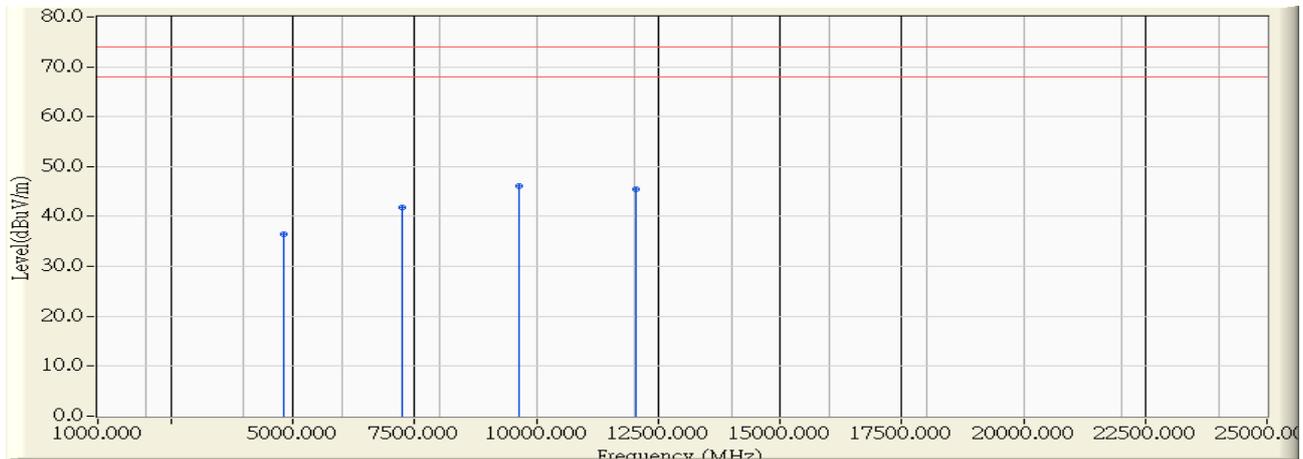


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Average Limit (dBuV/m)	Peak Limit (dBuV/m)	Detector Type
1	4924.000	-0.541	36.900	36.359	-37.641	54.000	74.000	PEAK
2	7386.000	5.859	37.660	43.518	-30.482	54.000	74.000	PEAK
3	* 9848.000	10.680	36.051	46.731	-27.269	54.000	74.000	PEAK
4	12310.000	11.437	33.435	44.872	-29.128	54.000	74.000	PEAK

**Note:**

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ \* ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The Emission above 18GHz were not included is because their levels are too low.

Site : CB1	Time : 2012/03/01 - 16:47
Limit : FCC_SpartC_15.247_H_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	Power : AC 120V/60Hz
EUT : Dual-band Wireless-N Adapter	Note : 802.11g_2412MHz

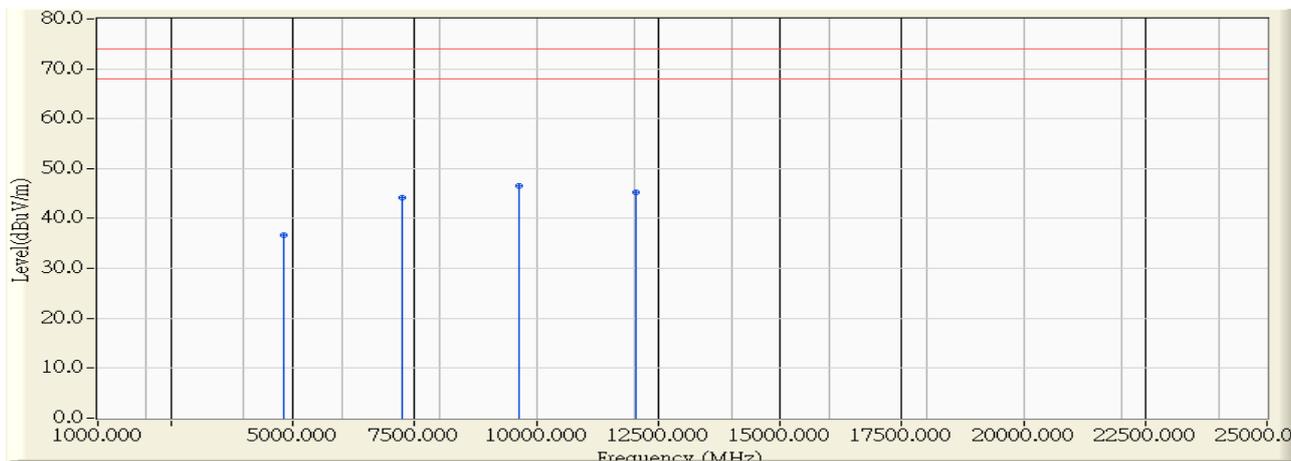


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Average Limit (dBuV/m)	Peak Limit (dBuV/m)	Detector Type
1	4824.000	-0.803	37.363	36.560	-37.440	54.000	74.000	PEAK
2	7236.000	5.497	36.274	41.770	-32.230	54.000	74.000	PEAK
3	* 9648.000	9.230	36.840	46.071	-27.929	54.000	74.000	PEAK
4	12060.000	11.525	33.850	45.375	-28.625	54.000	74.000	PEAK

**Note:**

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ \* ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The Emission above 18GHz were not included is because their levels are too low.

Site : CB1	Time : 2012/03/01 - 16:49
Limit : FCC_SpartC_15.247_H_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	Power : AC 120V/60Hz
EUT : Dual-band Wireless-N Adapter	Note : 802.11g_2412MHz

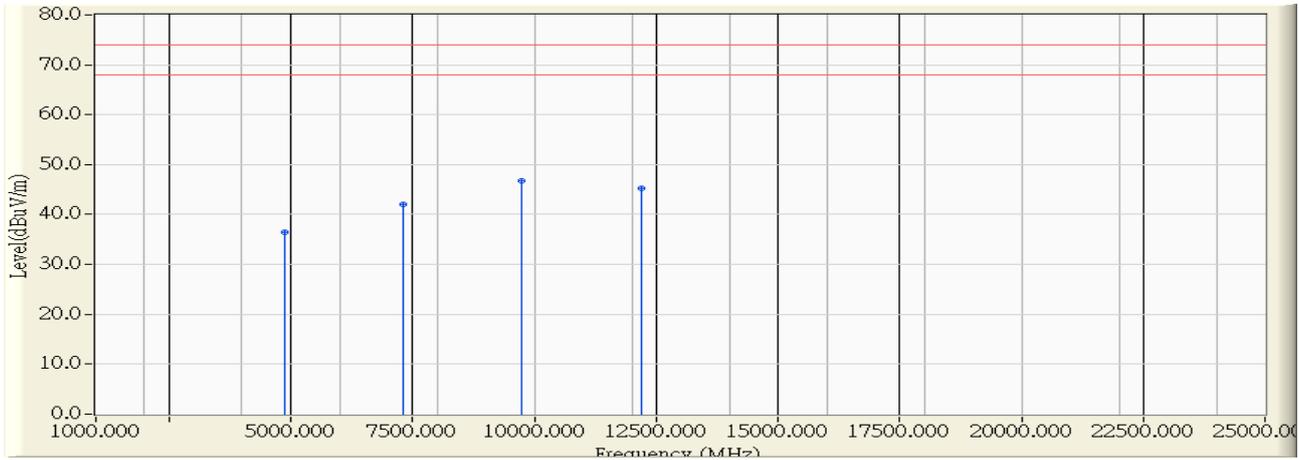


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Average Limit (dBuV/m)	Peak Limit (dBuV/m)	Detector Type
1	4824.000	-0.803	37.420	36.617	-37.383	54.000	74.000	PEAK
2	7236.000	5.497	38.636	44.132	-29.868	54.000	74.000	PEAK
3	* 9648.000	9.230	37.214	46.445	-27.555	54.000	74.000	PEAK
4	12060.000	11.525	33.767	45.292	-28.708	54.000	74.000	PEAK

**Note:**

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ \* ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The Emission above 18GHz were not included is because their levels are too low.

Site : CB1	Time : 2012/03/01 - 16:52
Limit : FCC_SpartC_15.247_H_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	Power : AC 120V/60Hz
EUT : Dual-band Wireless-N Adapter	Note : 802.11g_2437MHz

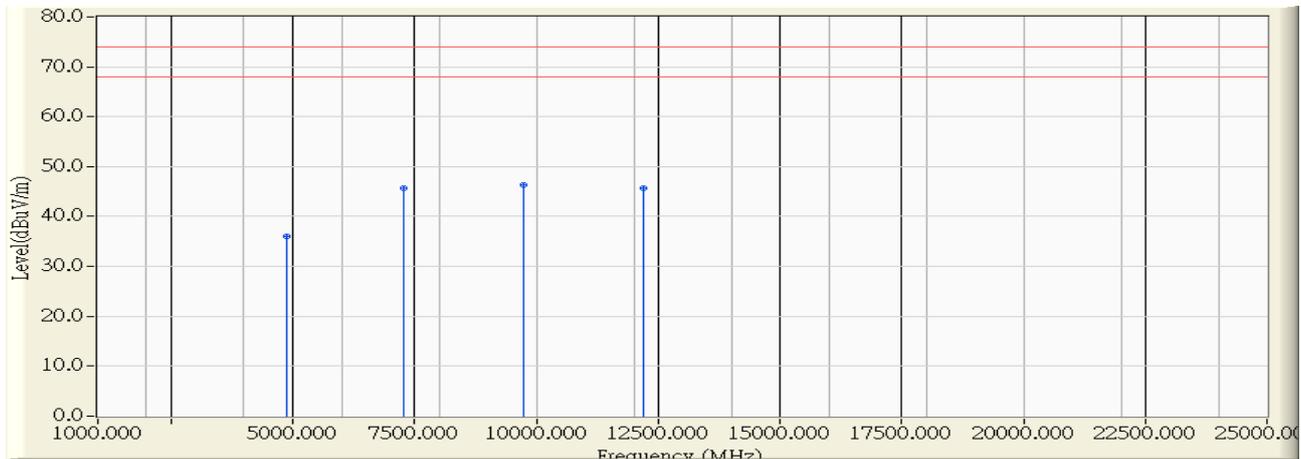


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Average Limit (dBuV/m)	Peak Limit (dBuV/m)	Detector Type
1	4874.000	-0.672	37.126	36.454	-37.546	54.000	74.000	PEAK
2	7311.000	5.678	36.370	42.047	-31.953	54.000	74.000	PEAK
3	* 9748.000	9.955	36.885	46.840	-27.160	54.000	74.000	PEAK
4	12185.000	11.481	33.857	45.338	-28.662	54.000	74.000	PEAK

**Note:**

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ \* ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The Emission above 18GHz were not included is because their levels are too low.

Site : CB1	Time : 2012/03/01 - 16:54
Limit : FCC_SpartC_15.247_H_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	Power : AC 120V/60Hz
EUT : Dual-band Wireless-N Adapter	Note : 802.11g_2437MHz

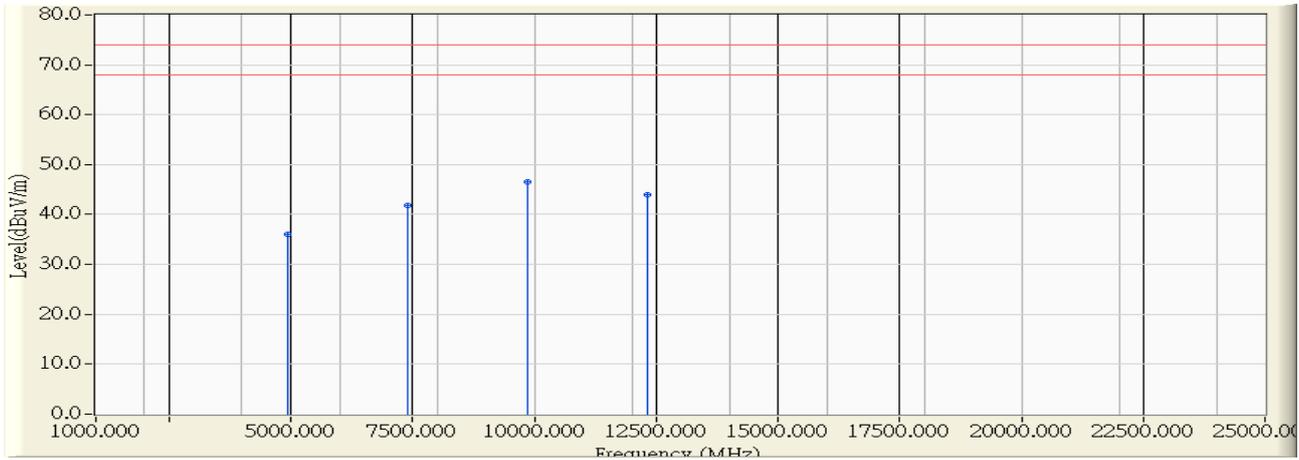


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Average Limit (dBuV/m)	Peak Limit (dBuV/m)	Detector Type
1	4874.000	-0.672	36.704	36.032	-37.968	54.000	74.000	PEAK
2	7288.000	5.621	40.126	45.748	-28.252	54.000	74.000	PEAK
3	* 9748.000	9.955	36.405	46.360	-27.640	54.000	74.000	PEAK
4	12185.000	11.481	34.241	45.722	-28.278	54.000	74.000	PEAK

**Note:**

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ \* ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The Emission above 18GHz were not included is because their levels are too low.

Site : CB1	Time : 2012/03/01 - 17:07
Limit : FCC_SpartC_15.247_H_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	Power : AC 120V/60Hz
EUT : Dual-band Wireless-N Adapter	Note : 802.11g_2462MHz

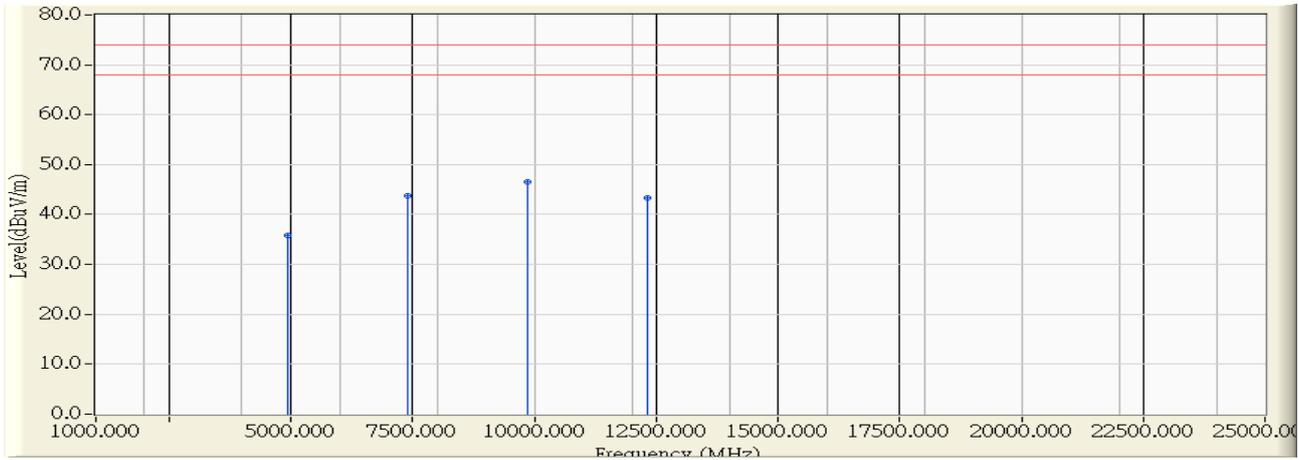


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Average Limit (dBuV/m)	Peak Limit (dBuV/m)	Detector Type
1	4924.000	-0.541	36.490	35.949	-38.051	54.000	74.000	PEAK
2	7386.000	5.859	36.038	41.896	-32.104	54.000	74.000	PEAK
3	* 9848.000	10.680	35.840	46.520	-27.480	54.000	74.000	PEAK
4	12310.000	11.437	32.598	44.035	-29.965	54.000	74.000	PEAK

**Note:**

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ \* ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The Emission above 18GHz were not included is because their levels are too low.

Site : CB1	Time : 2012/03/01 - 17:10
Limit : FCC_SpartC_15.247_H_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	Power : AC 120V/60Hz
EUT : Dual-band Wireless-N Adapter	Note : 802.11g_2462MHz

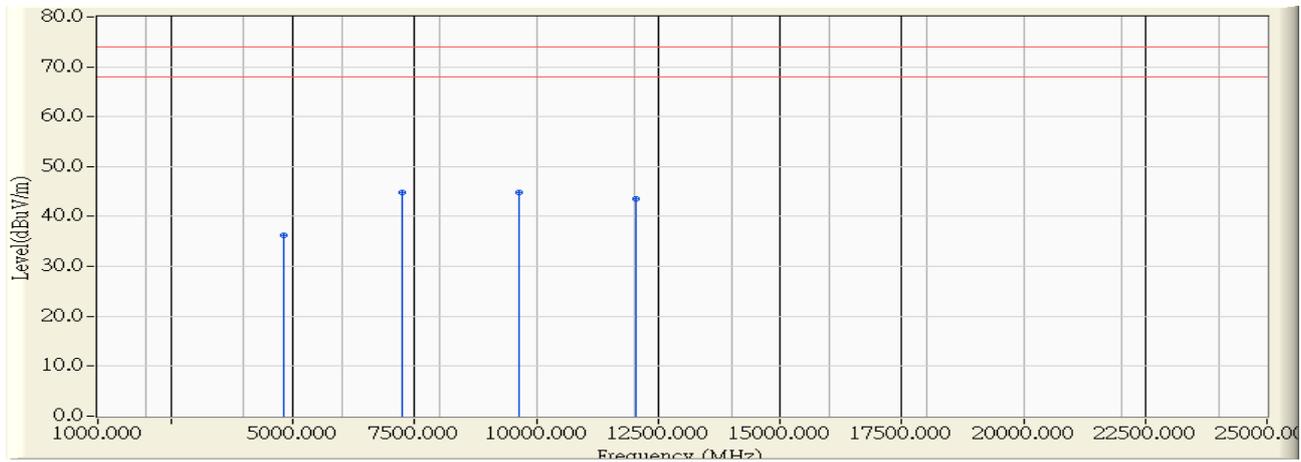


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Average Limit (dBuV/m)	Peak Limit (dBuV/m)	Detector Type
1	4924.000	-0.541	36.300	35.759	-38.241	54.000	74.000	PEAK
2	7386.000	5.859	37.871	43.729	-30.271	54.000	74.000	PEAK
3	* 9848.000	10.680	35.926	46.606	-27.394	54.000	74.000	PEAK
4	12310.000	11.437	31.888	43.325	-30.675	54.000	74.000	PEAK

**Note:**

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ \* ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The Emission above 18GHz were not included is because their levels are too low.

Site : CB1	Time : 2012/03/01 - 17:29
Limit : FCC_SpartC_15.247_H_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	Power : AC 120V/60Hz
EUT : Dual-band Wireless-N Adapter	Note : 802.11n(20MHz)_2412MHz

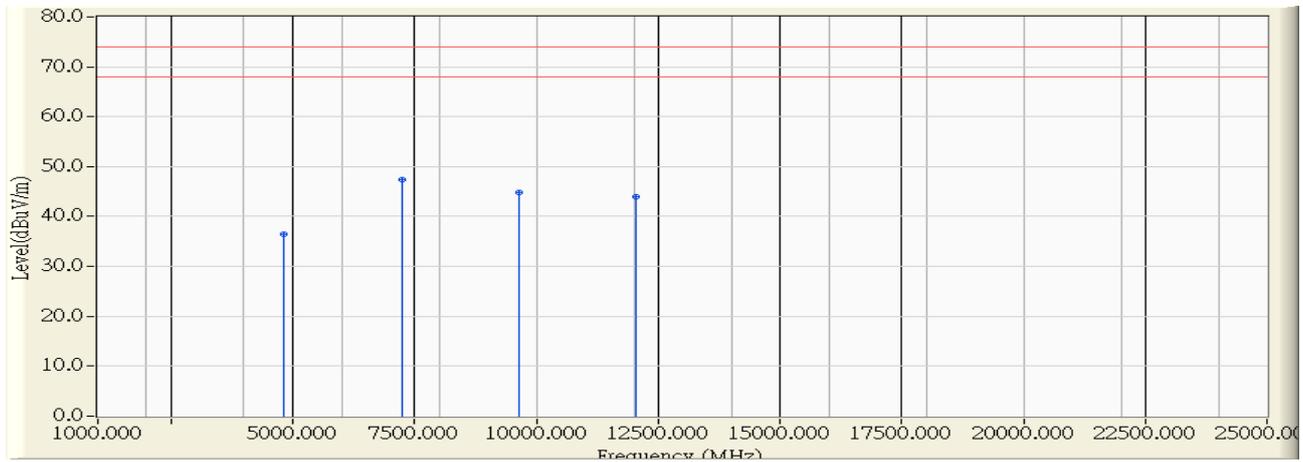


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Average Limit (dBuV/m)	Peak Limit (dBuV/m)	Detector Type
1	4824.000	-0.803	37.027	36.224	-37.776	54.000	74.000	PEAK
2	* 7240.000	5.506	39.370	44.876	-29.124	54.000	74.000	PEAK
3	9648.000	9.230	35.536	44.767	-29.233	54.000	74.000	PEAK
4	12060.000	11.525	31.988	43.513	-30.487	54.000	74.000	PEAK

**Note:**

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ \* ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The Emission above 18GHz were not included is because their levels are too low.

Site : CB1	Time : 2012/03/01 - 17:31
Limit : FCC_SpartC_15.247_H_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	Power : AC 120V/60Hz
EUT : Dual-band Wireless-N Adapter	Note : 802.11n(20MHz)_2412MHz

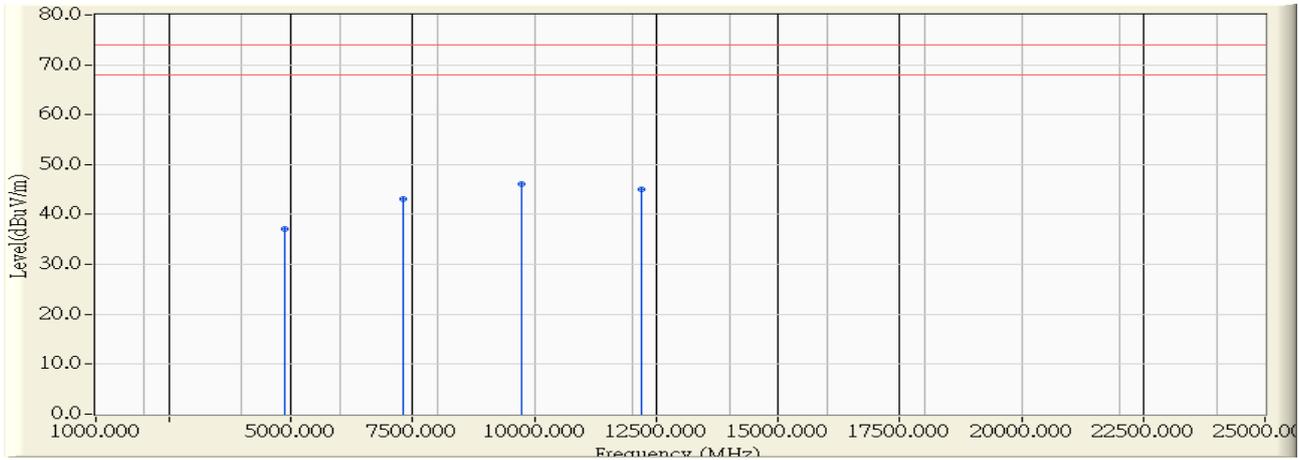


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Average Limit (dBuV/m)	Peak Limit (dBuV/m)	Detector Type
1	4824.000	-0.803	37.289	36.486	-37.514	54.000	74.000	PEAK
2	* 7240.000	5.506	41.954	47.460	-26.540	54.000	74.000	PEAK
3	9648.000	9.230	35.516	44.747	-29.253	54.000	74.000	PEAK
4	12060.000	11.525	32.429	43.954	-30.046	54.000	74.000	PEAK

**Note:**

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ \* ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The Emission above 18GHz were not included is because their levels are too low.

Site : CB1	Time : 2012/03/01 - 17:35
Limit : FCC_SpartC_15.247_H_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	Power : AC 120V/60Hz
EUT : Dual-band Wireless-N Adapter	Note : 802.11n(20MHz)_2437MHz

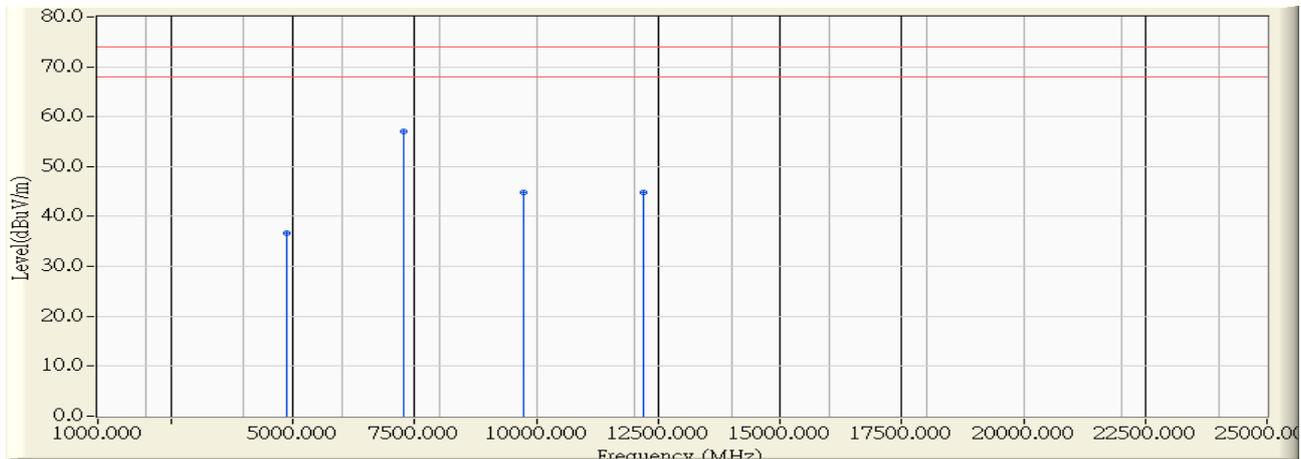


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Average Limit (dBuV/m)	Peak Limit (dBuV/m)	Detector Type
1	4874.000	-0.672	37.772	37.100	-36.900	54.000	74.000	PEAK
2	7311.000	5.678	37.532	43.209	-30.791	54.000	74.000	PEAK
3	* 9748.000	9.955	36.109	46.064	-27.936	54.000	74.000	PEAK
4	12185.000	11.481	33.621	45.102	-28.898	54.000	74.000	PEAK

**Note:**

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ \* ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The Emission above 18GHz were not included is because their levels are too low.

Site : CB1	Time : 2012/03/01 - 17:38
Limit : FCC_SpartC_15.247_H_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	Power : AC 120V/60Hz
EUT : Dual-band Wireless-N Adapter	Note : 802.11n(20MHz)_2437MHz

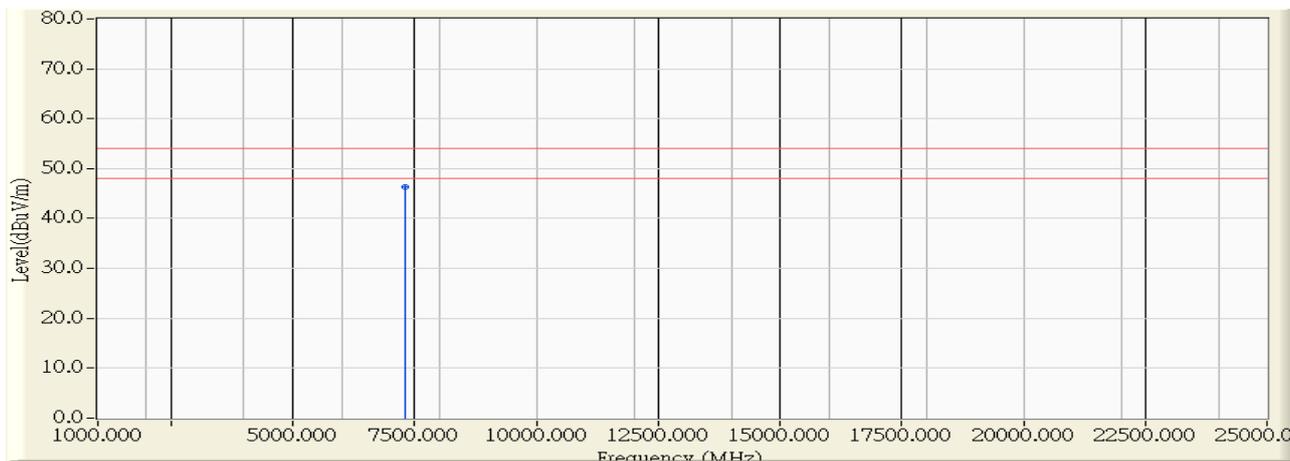


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Average Limit (dBuV/m)	Peak Limit (dBuV/m)	Detector Type
1	4874.000	-0.672	37.337	36.665	-37.335	54.000	74.000	PEAK
2	* 7288.000	5.621	51.468	52.090	-16.910	54.000	74.000	PEAK
3	9748.000	9.955	34.861	44.816	-29.184	54.000	74.000	PEAK
4	12185.000	11.481	33.438	44.919	-29.081	54.000	74.000	PEAK

**Note:**

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ \* ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The Emission above 18GHz were not included is because their levels are too low.

Site : CB1	Time : 2012/03/01 - 18:50
Limit : FCC_SpartC_15.247_H_03M_AV	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	Power : AC 120V/60Hz
EUT : Dual-band Wireless-N Adapter	Note : 802.11n(20MHz)_2437MHz

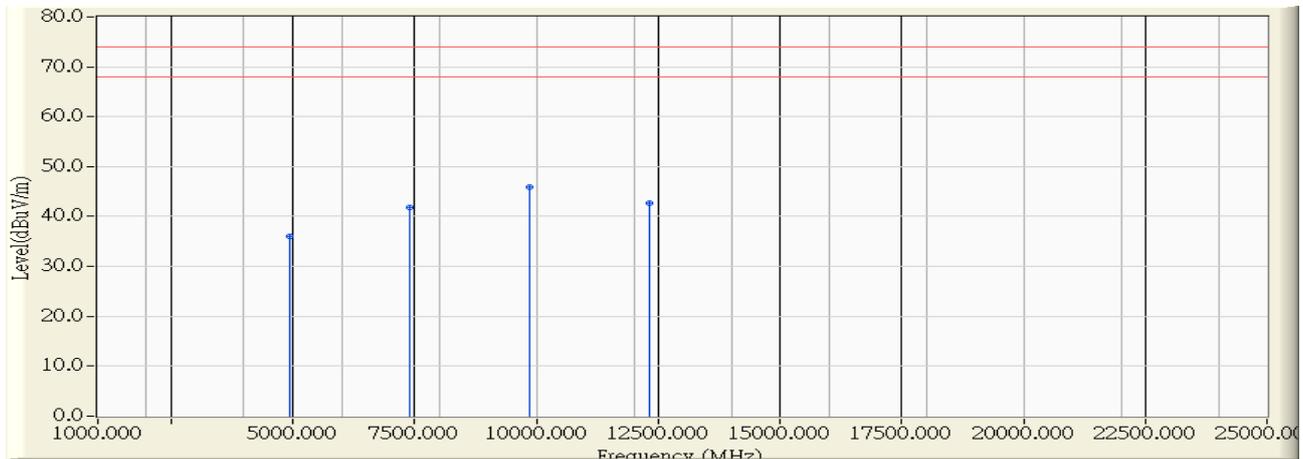


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Average Limit (dBuV/m)	Peak Limit (dBuV/m)	Detector Type
1	*	7312.000	5.680	40.560	46.240	-7.760	54.000	74.000	AVERAGE

**Note:**

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ \* ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The Emission above 18GHz were not included is because their levels are too low.

Site : CB1	Time : 2012/03/01 - 17:47
Limit : FCC_SpartC_15.247_H_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	Power : AC 120V/60Hz
EUT : Dual-band Wireless-N Adapter	Note : 802.11n(20MHz)_2462MHz

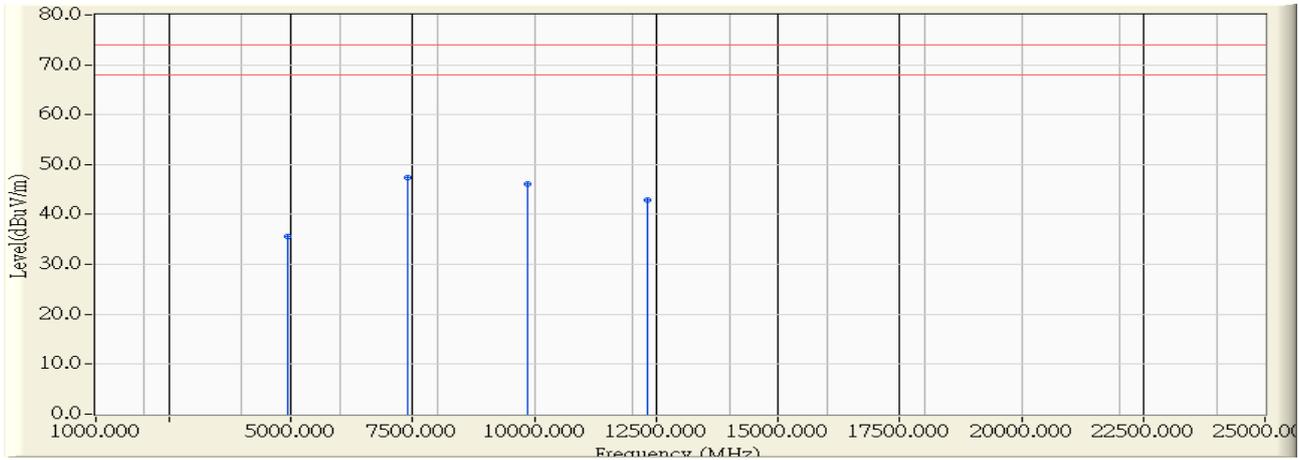


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Average Limit (dBuV/m)	Peak Limit (dBuV/m)	Detector Type
1	4924.000	-0.541	36.510	35.969	-38.031	54.000	74.000	PEAK
2	7386.000	5.859	36.070	41.928	-32.072	54.000	74.000	PEAK
3	* 9848.000	10.680	35.231	45.911	-28.089	54.000	74.000	PEAK
4	12310.000	11.437	31.193	42.630	-31.370	54.000	74.000	PEAK

**Note:**

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ \* ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The Emission above 18GHz were not included is because their levels are too low.

Site : CB1	Time : 2012/03/01 - 17:52
Limit : FCC_SpartC_15.247_H_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	Power : AC 120V/60Hz
EUT : Dual-band Wireless-N Adapter	Note : 802.11n(20MHz)_2462MHz

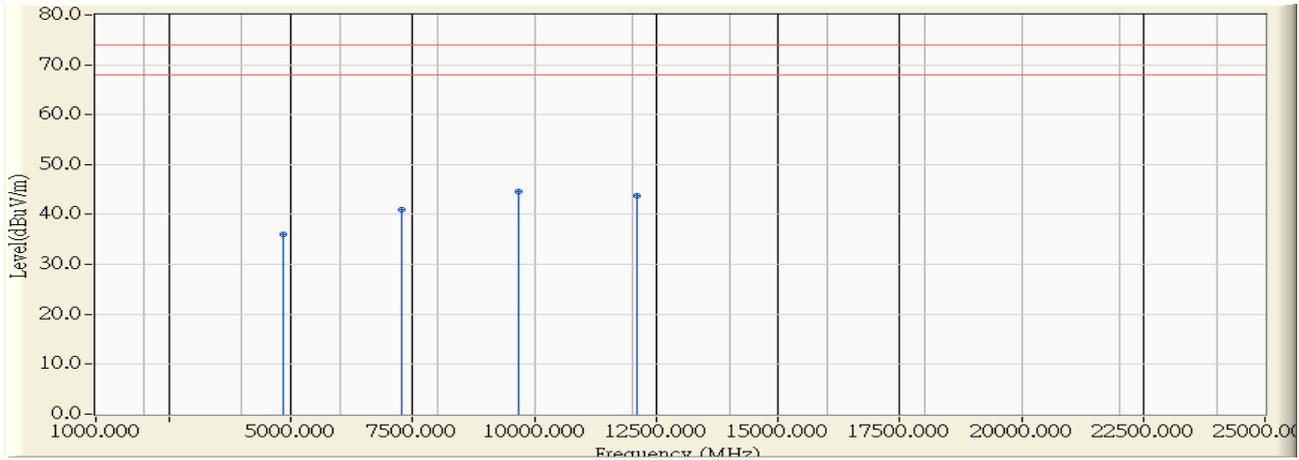


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Average Limit (dBuV/m)	Peak Limit (dBuV/m)	Detector Type
1	4924.000	-0.541	36.208	35.667	-38.333	54.000	74.000	PEAK
2	* 7386.000	5.859	41.444	47.302	-26.698	54.000	74.000	PEAK
3	9848.000	10.680	35.336	46.016	-27.984	54.000	74.000	PEAK
4	12310.000	11.437	31.550	42.987	-31.013	54.000	74.000	PEAK

**Note:**

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ \* ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The Emission above 18GHz were not included is because their levels are too low.

Site : CB1	Time : 2012/03/01 - 17:56
Limit : FCC_SpartC_15.247_H_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	Power : AC 120V/60Hz
EUT : Dual-band Wireless-N Adapter	Note : 802.11n(40MHz)_2422MHz

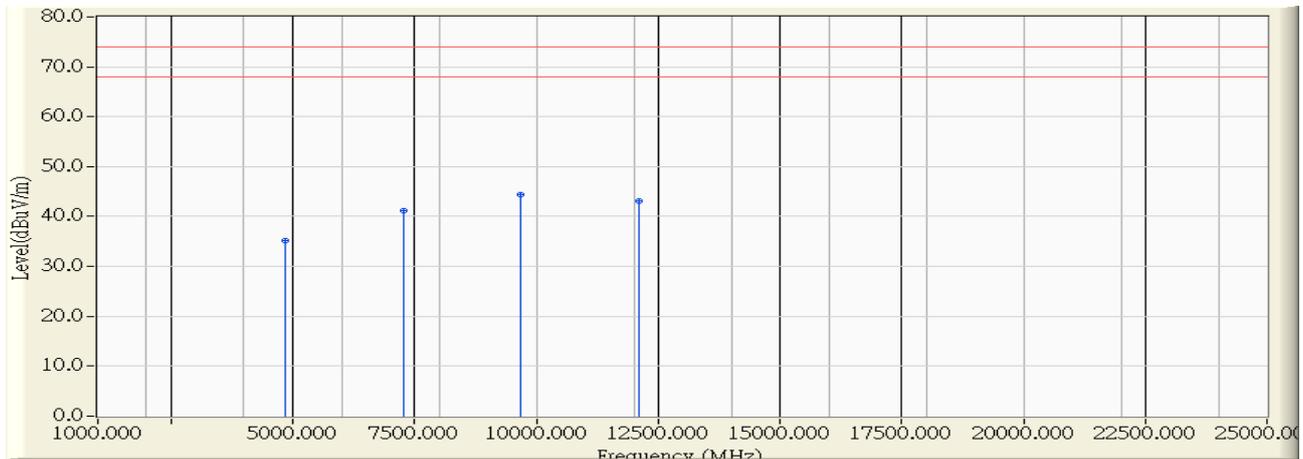


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Average Limit (dBuV/m)	Peak Limit (dBuV/m)	Detector Type
1	4844.000	-0.751	36.693	35.942	-38.058	54.000	74.000	PEAK
2	7266.000	5.569	35.501	41.070	-32.930	54.000	74.000	PEAK
3	* 9688.000	9.520	35.197	44.718	-29.282	54.000	74.000	PEAK
4	12110.000	11.508	32.275	43.783	-30.217	54.000	74.000	PEAK

**Note:**

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ \* ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The Emission above 18GHz were not included is because their levels are too low.

Site : CB1	Time : 2012/03/01 - 17:58
Limit : FCC_SpartC_15.247_H_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	Power : AC 120V/60Hz
EUT : Dual-band Wireless-N Adapter	Note : 802.11n(40MHz)_2422MHz

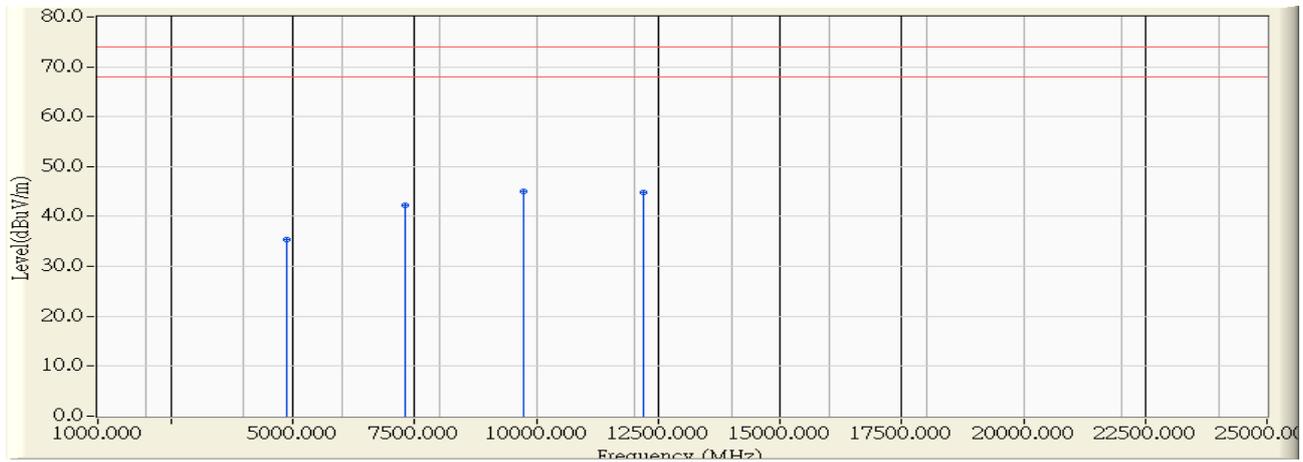


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Average Limit (dBuV/m)	Peak Limit (dBuV/m)	Detector Type
1	4844.000	-0.751	36.009	35.258	-38.742	54.000	74.000	PEAK
2	7266.000	5.569	35.712	41.281	-32.719	54.000	74.000	PEAK
3	* 9688.000	9.520	34.880	44.401	-29.599	54.000	74.000	PEAK
4	12110.000	11.508	31.540	43.048	-30.952	54.000	74.000	PEAK

**Note:**

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ \* ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The Emission above 18GHz were not included is because their levels are too low.

Site : CB1	Time : 2012/03/01 - 18:01
Limit : FCC_SpartC_15.247_H_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	Power : AC 120V/60Hz
EUT : Dual-band Wireless-N Adapter	Note : 802.11n(40MHz)_2437MHz

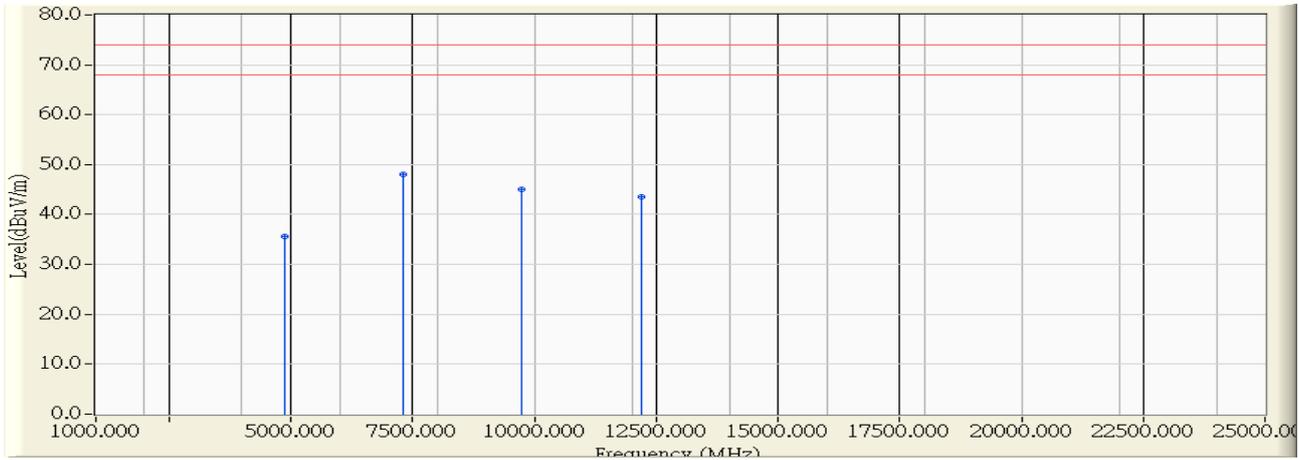


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Average Limit (dBuV/m)	Peak Limit (dBuV/m)	Detector Type
1	4874.000	-0.672	35.990	35.318	-38.682	54.000	74.000	PEAK
2	7311.000	5.678	36.544	42.221	-31.779	54.000	74.000	PEAK
3	* 9748.000	9.955	35.146	45.101	-28.899	54.000	74.000	PEAK
4	12185.000	11.481	33.395	44.876	-29.124	54.000	74.000	PEAK

**Note:**

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ \* ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The Emission above 18GHz were not included is because their levels are too low.

Site : CB1	Time : 2012/03/01 - 18:34
Limit : FCC_SpartC_15.247_H_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	Power : AC 120V/60Hz
EUT : Dual-band Wireless-N Adapter	Note : 802.11n(40MHz)_2437MHz

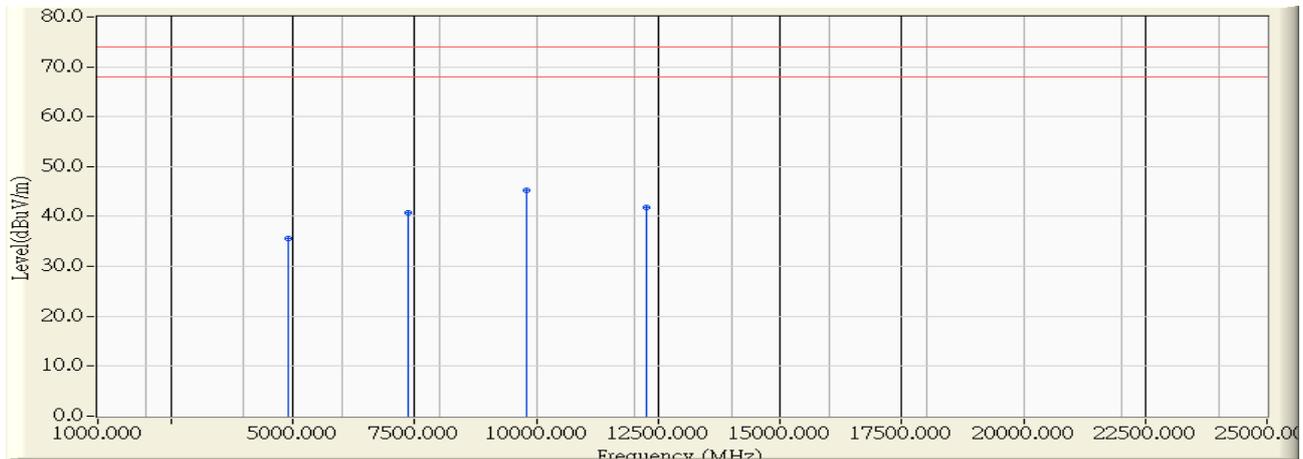


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Average Limit (dBuV/m)	Peak Limit (dBuV/m)	Detector Type
1	4874.000	-0.672	36.361	35.689	-38.311	54.000	74.000	PEAK
2	* 7311.000	5.678	42.356	48.033	-25.967	54.000	74.000	PEAK
3	9748.000	9.955	35.072	45.027	-28.973	54.000	74.000	PEAK
4	12185.000	11.481	32.023	43.504	-30.496	54.000	74.000	PEAK

**Note:**

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ \* ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The Emission above 18GHz were not included is because their levels are too low.

Site : CB1	Time : 2012/03/01 - 18:37
Limit : FCC_SpartC_15.247_H_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	Power : AC 120V/60Hz
EUT : Dual-band Wireless-N Adapter	Note : 802.11n(40MHz)_2452MHz

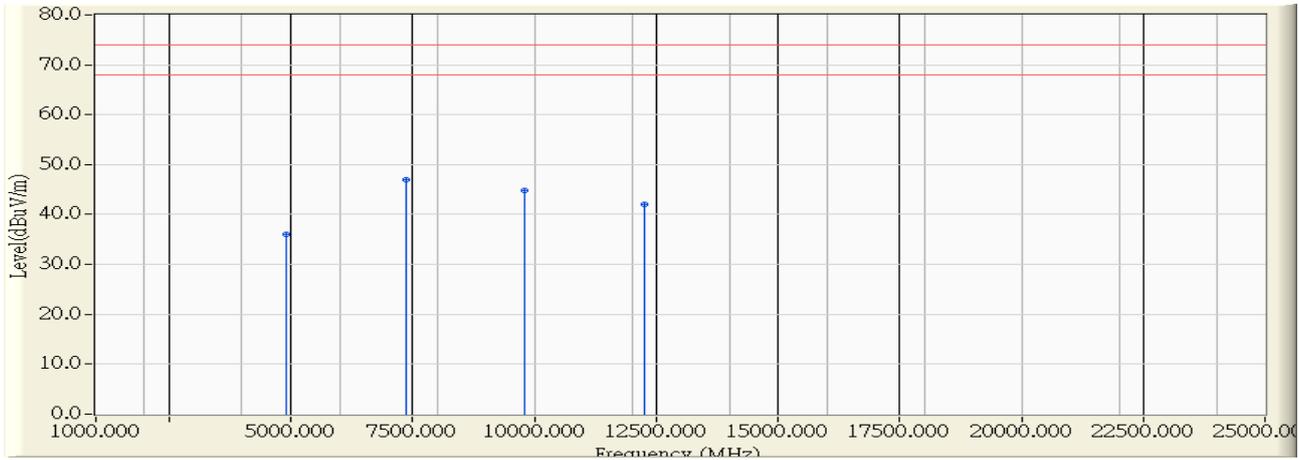


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Average Limit (dBuV/m)	Peak Limit (dBuV/m)	Detector Type
1	4904.000	-0.593	36.145	35.552	-38.448	54.000	74.000	PEAK
2	7356.000	5.786	34.998	40.784	-33.216	54.000	74.000	PEAK
3	* 9808.000	10.390	34.848	45.238	-28.762	54.000	74.000	PEAK
4	12260.000	11.455	30.382	41.837	-32.163	54.000	74.000	PEAK

**Note:**

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ \* ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The Emission above 18GHz were not included is because their levels are too low.

Site : CB1	Time : 2012/03/01 - 18:38
Limit : FCC_SpartC_15.247_H_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	Power : AC 120V/60Hz
EUT : Dual-band Wireless-N Adapter	Note : 802.11n(40MHz)_2452MHz

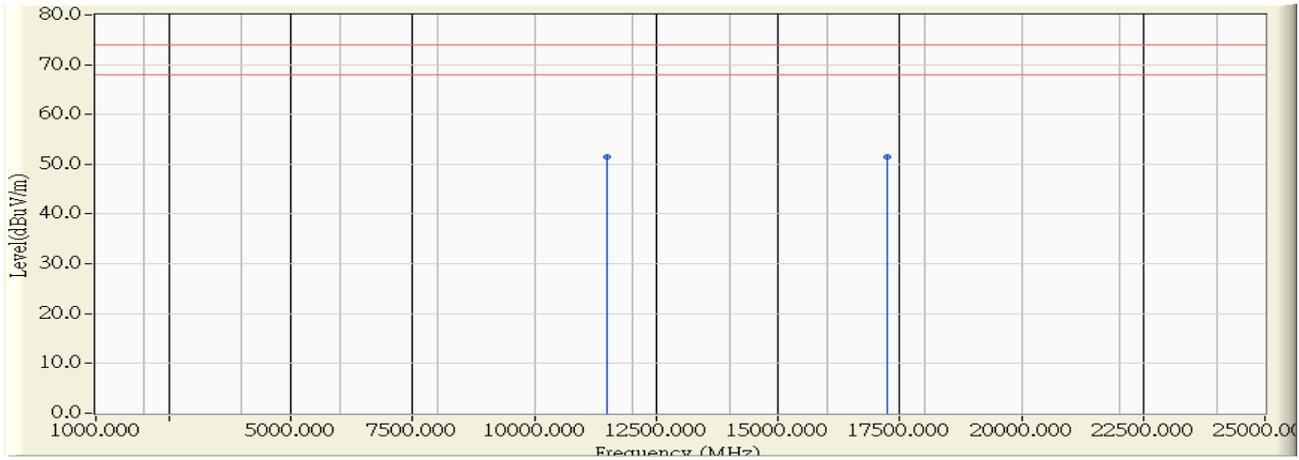


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Average Limit (dBuV/m)	Peak Limit (dBuV/m)	Detector Type
1	4904.000	-0.593	36.560	35.967	-38.033	54.000	74.000	PEAK
2	* 7356.000	5.786	41.180	46.966	-27.034	54.000	74.000	PEAK
3	9808.000	10.390	34.411	44.801	-29.199	54.000	74.000	PEAK
4	12260.000	11.455	30.524	41.979	-32.021	54.000	74.000	PEAK

**Note:**

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ \* ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The Emission above 18GHz were not included is because their levels are too low.

Site : CB1	Time : 2012/03/03 - 11:18
Limit : FCC_SpartC_15.247_H_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	Power : AC 120V/60Hz
EUT : Dual-band Wireless-N Adapter	Note : 802.11a_5745MHz

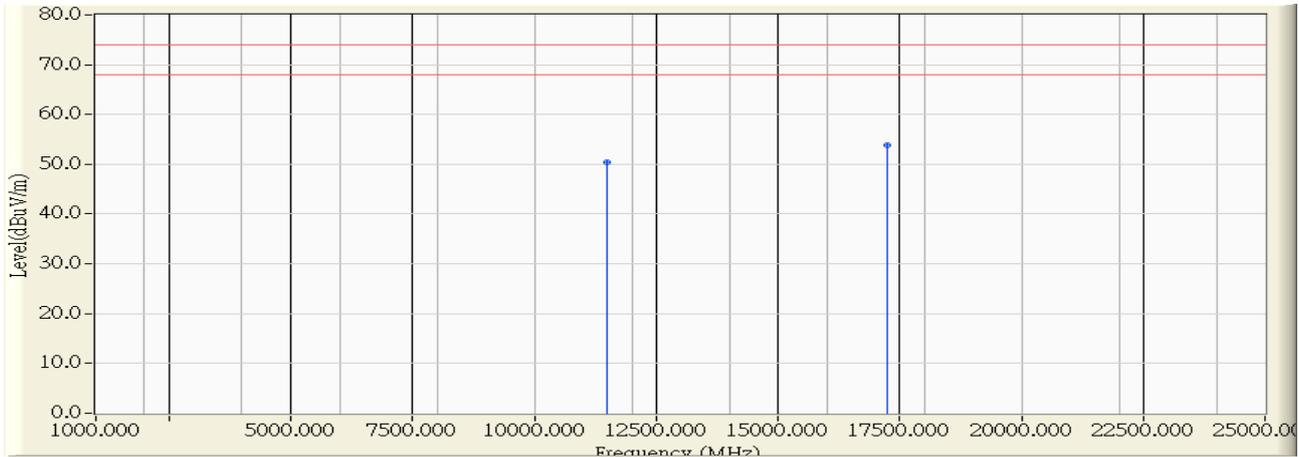


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Average Limit (dBuV/m)	Peak Limit (dBuV/m)	Detector Type
1	11490.000	12.136	39.337	51.472	-22.528	54.000	74.000	PEAK
2	* 17235.000	15.740	35.792	51.532	-22.468	54.000	74.000	PEAK

**Note:**

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ \* ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The Emission above 18GHz were not included is because their levels are too low.

Site : CB1	Time : 2012/03/03 - 11:24
Limit : FCC_SpartC_15.247_H_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	Power : AC 120V/60Hz
EUT : Dual-band Wireless-N Adapter	Note : 802.11a_5745MHz

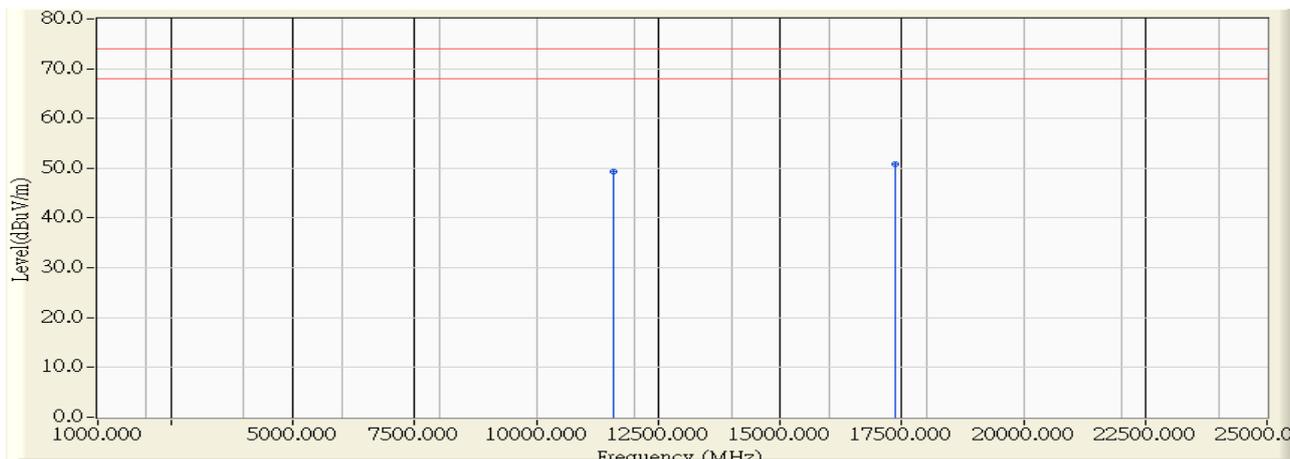


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Average Limit (dBuV/m)	Peak Limit (dBuV/m)	Detector Type
1	11490.000	12.136	38.260	50.395	-23.605	54.000	74.000	PEAK
2	* 17235.000	15.740	37.137	52.877	-21.123	54.000	74.000	PEAK

**Note:**

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ \* ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The Emission above 18GHz were not included is because their levels are too low.

Site : CB1	Time : 2012/03/03 - 11:30
Limit : FCC_SpartC_15.247_H_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	Power : AC 120V/60Hz
EUT : Dual-band Wireless-N Adapter	Note : 802.11a_5785MHz

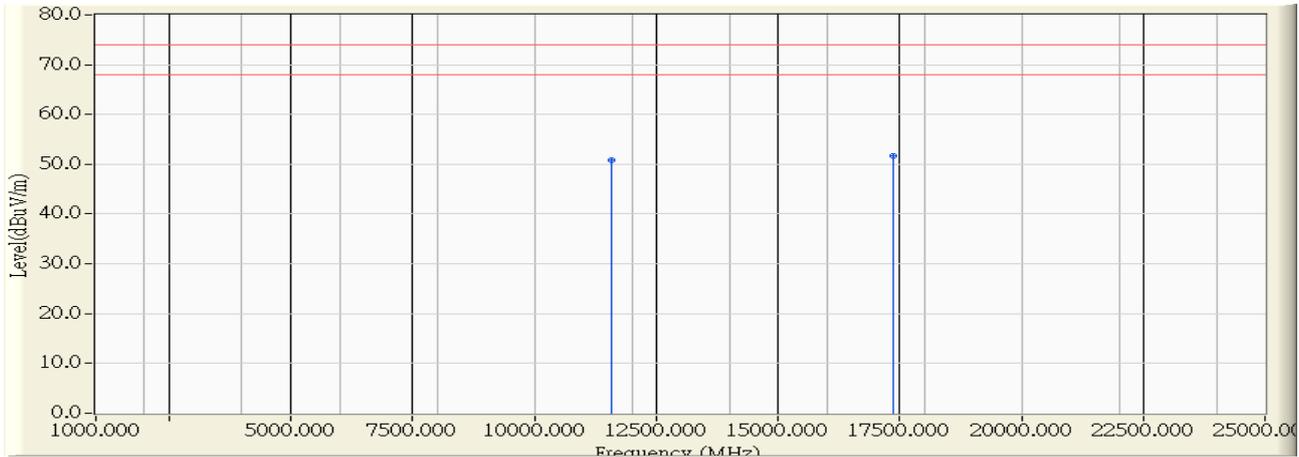


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Average Limit (dBuV/m)	Peak Limit (dBuV/m)	Detector Type
1	11570.000	12.049	37.359	49.408	-24.592	54.000	74.000	PEAK
2	* 17355.000	16.228	34.636	50.864	-23.136	54.000	74.000	PEAK

**Note:**

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ \* ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The Emission above 18GHz were not included is because their levels are too low.

Site : CB1	Time : 2012/03/03 - 11:33
Limit : FCC_SpartC_15.247_H_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	Power : AC 120V/60Hz
EUT : Dual-band Wireless-N Adapter	Note : 802.11a_5785MHz

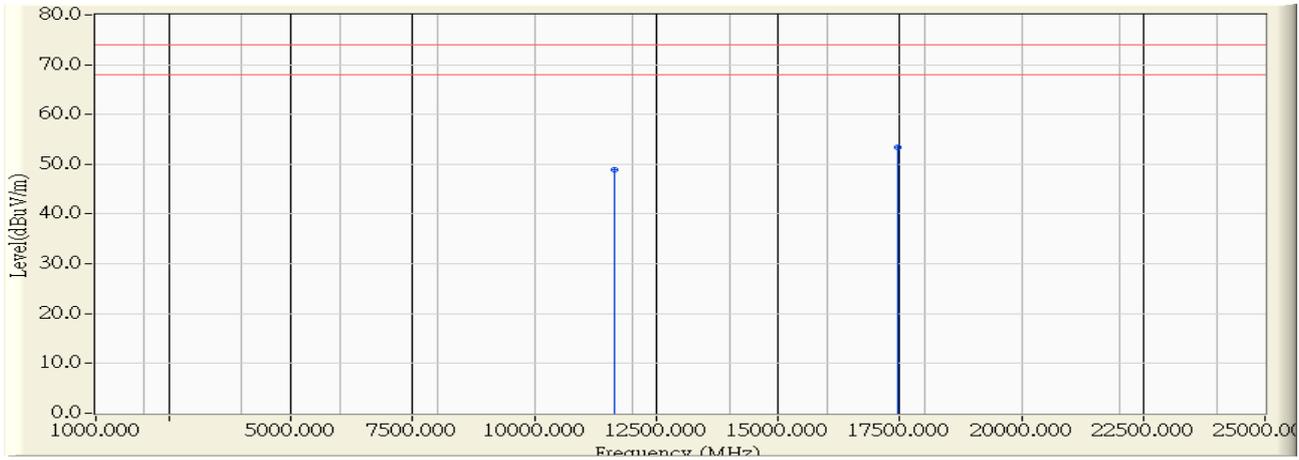


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Average Limit (dBuV/m)	Peak Limit (dBuV/m)	Detector Type
1	11570.000	12.049	38.694	50.743	-23.257	54.000	74.000	PEAK
2	* 17355.000	16.228	35.418	51.646	-22.354	54.000	74.000	PEAK

**Note:**

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ \* ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The Emission above 18GHz were not included is because their levels are too low.

Site : CB1	Time : 2012/03/03 - 11:35
Limit : FCC_SpartC_15.247_H_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	Power : AC 120V/60Hz
EUT : Dual-band Wireless-N Adapter	Note : 802.11a_5825MHz

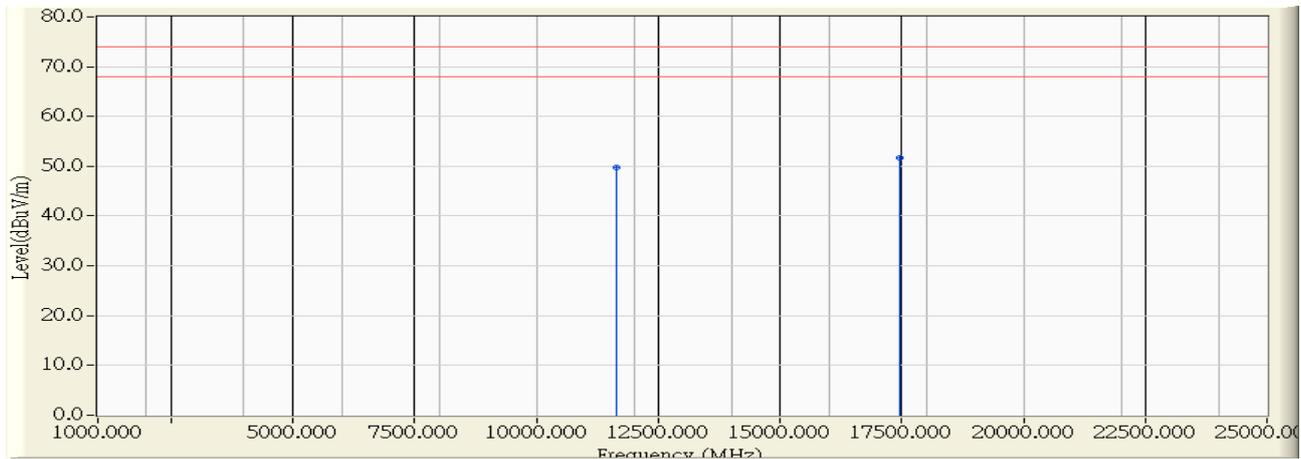


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Average Limit (dBuV/m)	Peak Limit (dBuV/m)	Detector Type
1	11650.000	11.956	36.946	48.902	-25.098	54.000	74.000	PEAK
2	* 17475.000	16.716	35.788	52.504	-21.496	54.000	74.000	PEAK

**Note:**

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ \* ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The Emission above 18GHz were not included is because their levels are too low.

Site : CB1	Time : 2012/03/03 - 11:37
Limit : FCC_SpartC_15.247_H_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	Power : AC 120V/60Hz
EUT : Dual-band Wireless-N Adapter	Note : 802.11a_5825MHz

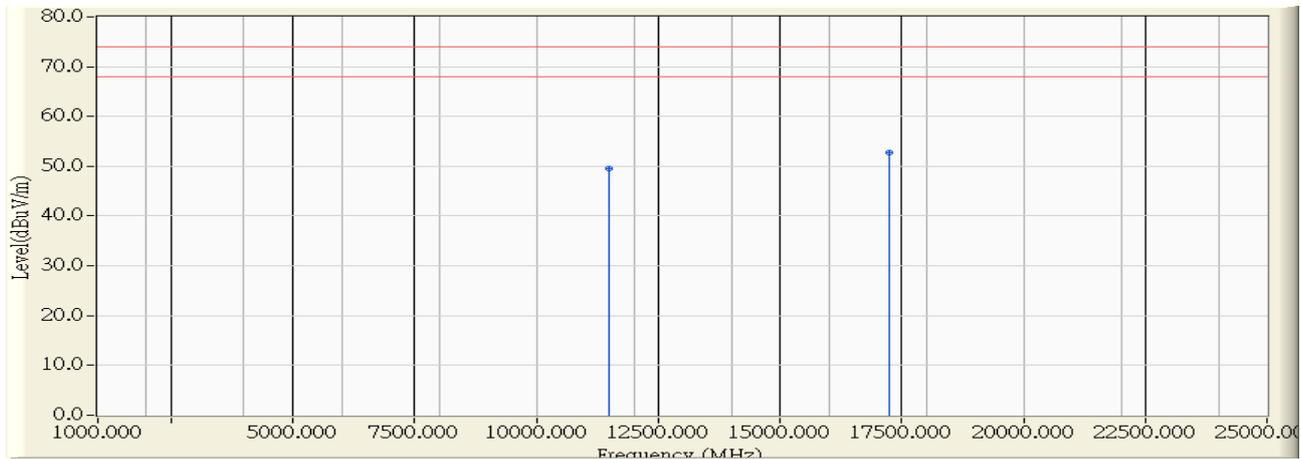


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Average Limit (dBuV/m)	Peak Limit (dBuV/m)	Detector Type
1	11650.000	11.956	37.718	49.674	-24.326	54.000	74.000	PEAK
2	* 17475.000	16.716	34.910	51.626	-22.374	54.000	74.000	PEAK

**Note:**

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ \* ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The Emission above 18GHz were not included is because their levels are too low.

Site : CB1	Time : 2012/03/03 - 11:40
Limit : FCC_SpartC_15.247_H_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	Power : AC 120V/60Hz
EUT : Dual-band Wireless-N Adapter	Note : 802.11n(20MHz)_5745MHz

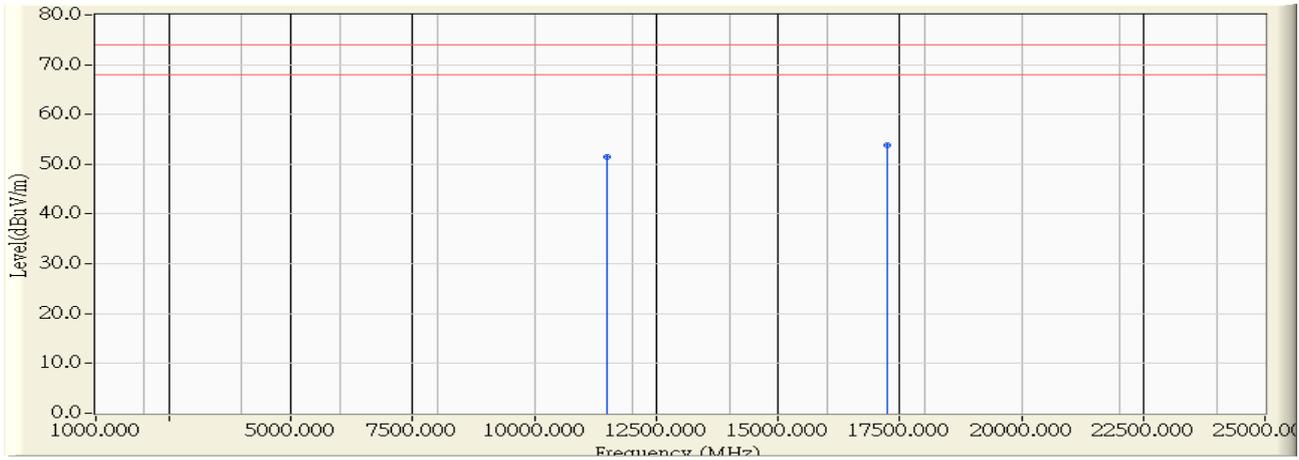


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Average Limit (dBuV/m)	Peak Limit (dBuV/m)	Detector Type
1	11490.000	12.136	37.469	49.604	-24.396	54.000	74.000	PEAK
2	* 17235.000	15.740	36.953	52.693	-21.307	54.000	74.000	PEAK

**Note:**

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ \* ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The Emission above 18GHz were not included is because their levels are too low.

Site : CB1	Time : 2012/03/03 - 11:41
Limit : FCC_SpartC_15.247_H_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	Power : AC 120V/60Hz
EUT : Dual-band Wireless-N Adapter	Note : 802.11n(20MHz)_5745MHz

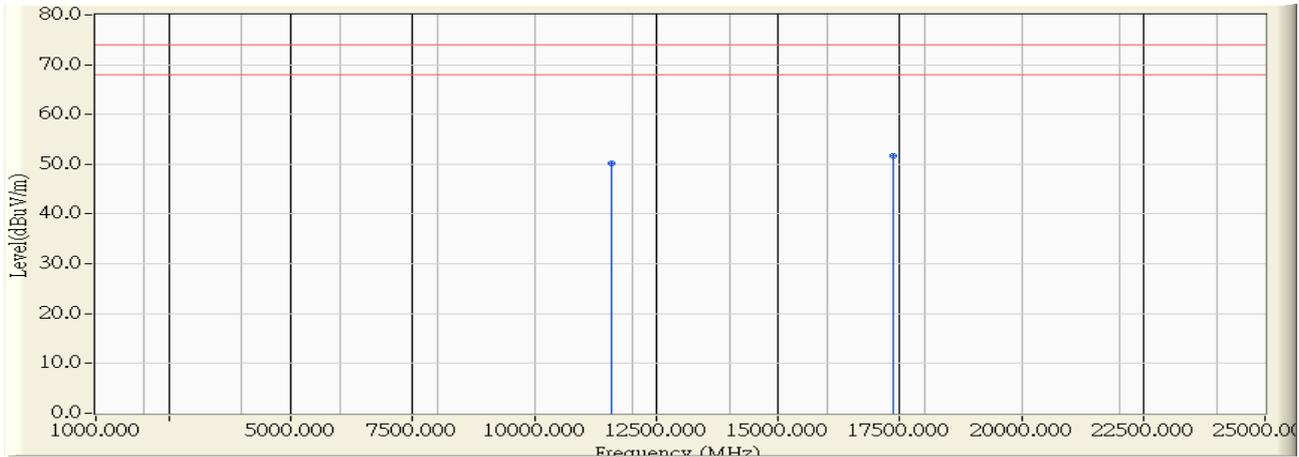


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Average Limit (dBuV/m)	Peak Limit (dBuV/m)	Detector Type
1	11490.000	12.136	39.368	51.503	-22.497	54.000	74.000	PEAK
2	* 17235.000	15.740	37.001	52.741	-21.259	54.000	74.000	PEAK

**Note:**

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ \* ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The Emission above 18GHz were not included is because their levels are too low.

Site : CB1	Time : 2012/03/03 - 11:44
Limit : FCC_SpartC_15.247_H_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	Power : AC 120V/60Hz
EUT : Dual-band Wireless-N Adapter	Note : 802.11n(20MHz)_5785MHz

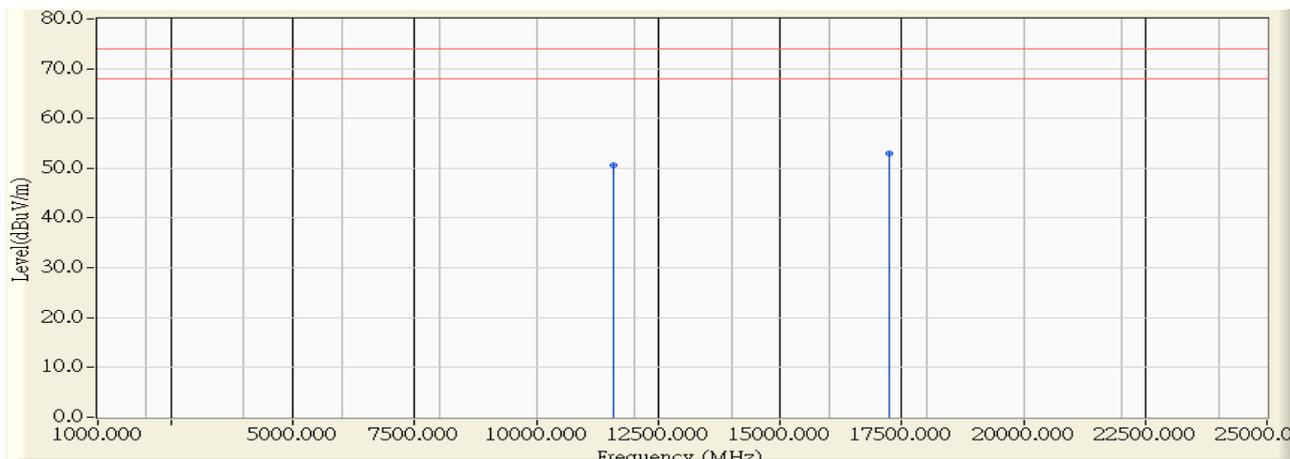


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Average Limit (dBuV/m)	Peak Limit (dBuV/m)	Detector Type
1	11570.000	12.049	38.096	50.145	-23.855	54.000	74.000	PEAK
2	* 17355.000	16.228	35.452	51.680	-22.320	54.000	74.000	PEAK

**Note:**

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ \* ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The Emission above 18GHz were not included is because their levels are too low.

Site : CB1	Time : 2012/03/03 - 11:46
Limit : FCC_SpartC_15.247_H_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	Power : AC 120V/60Hz
EUT : Dual-band Wireless-N Adapter	Note : 802.11n(20MHz)_5785MHz

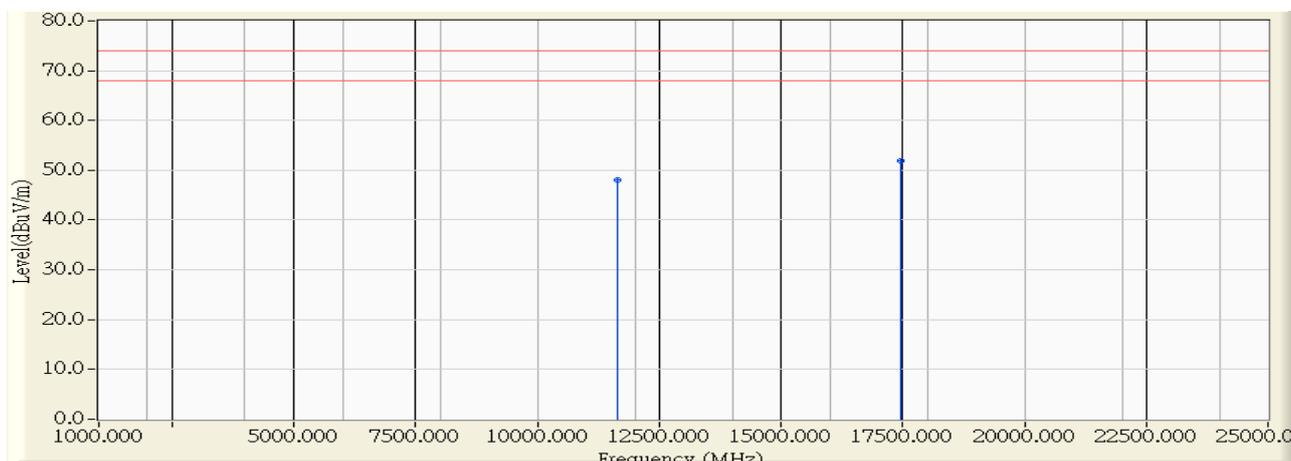


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Average Limit (dBuV/m)	Peak Limit (dBuV/m)	Detector Type
1	11570.000	12.049	38.648	50.697	-23.303	54.000	74.000	PEAK
2	* 17235.000	15.740	37.228	52.968	-21.032	54.000	74.000	PEAK

**Note:**

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ \* ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The Emission above 18GHz were not included is because their levels are too low.

Site : CB1	Time : 2012/03/03 - 11:49
Limit : FCC_SpartC_15.247_H_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	Power : AC 120V/60Hz
EUT : Dual-band Wireless-N Adapter	Note : 802.11n(20MHz)_5825MHz_

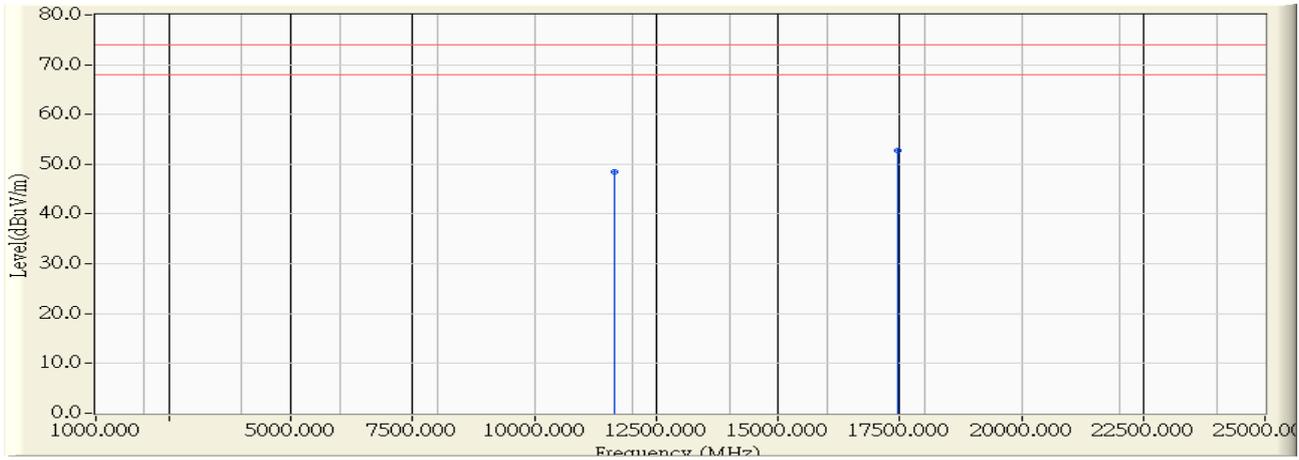


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Average Limit (dBuV/m)	Peak Limit (dBuV/m)	Detector Type
1	11650.000	11.956	36.165	48.121	-25.879	54.000	74.000	PEAK
2	* 17475.000	16.716	35.112	51.828	-22.172	54.000	74.000	PEAK

**Note:**

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ \* ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The Emission above 18GHz were not included is because their levels are too low.

Site : CB1	Time : 2012/03/03 - 11:52
Limit : FCC_SpartC_15.247_H_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	Power : AC 120V/60Hz
EUT : Dual-band Wireless-N Adapter	Note : 802.11n(20MHz)_5825MHz_

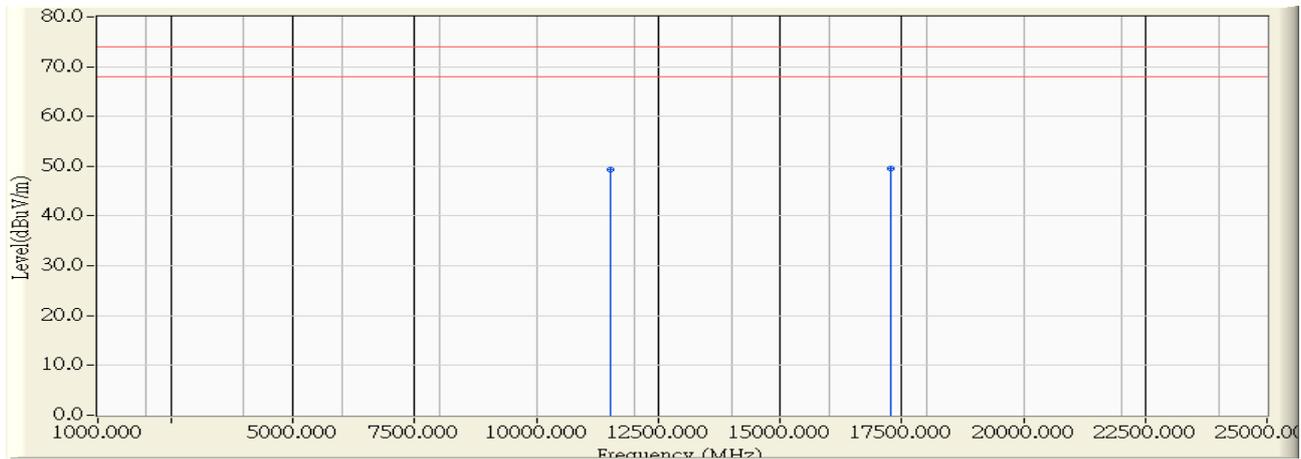


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Average Limit (dBuV/m)	Peak Limit (dBuV/m)	Detector Type
1	11650.000	11.956	36.412	48.368	-25.632	54.000	74.000	PEAK
2	* 17475.000	16.716	36.073	52.789	-21.211	54.000	74.000	PEAK

**Note:**

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ \* ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The Emission above 18GHz were not included is because their levels are too low.

Site : CB1	Time : 2012/03/03 - 11:55
Limit : FCC_SpartC_15.247_H_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	Power : AC 120V/60Hz
EUT : Dual-band Wireless-N Adapter	Note : 802.11n(40MHz)_5755MHz

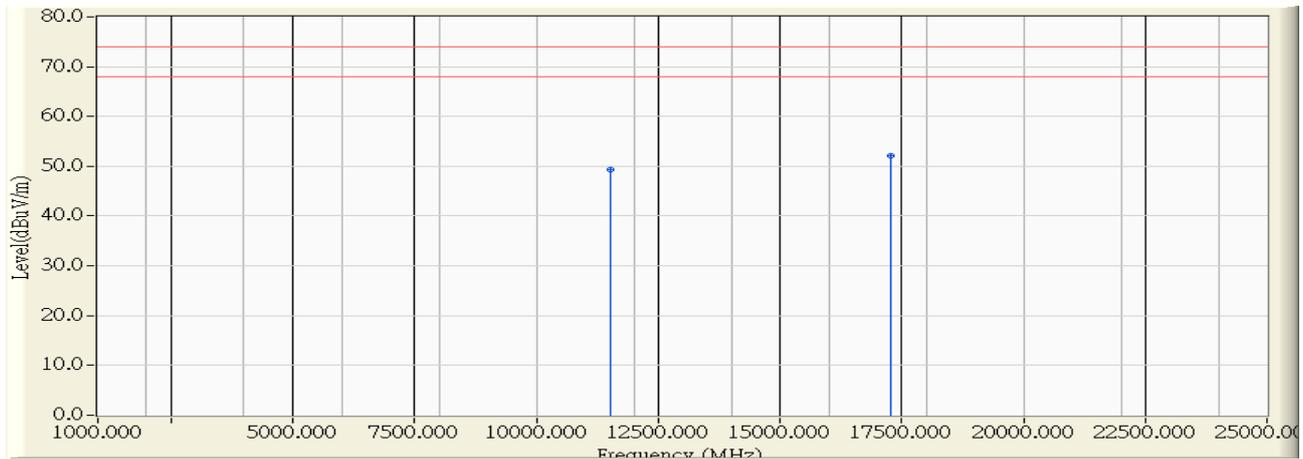


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Average Limit (dBuV/m)	Peak Limit (dBuV/m)	Detector Type
1	11510.000	12.118	37.115	49.233	-24.767	54.000	74.000	PEAK
2	* 17265.000	15.862	33.641	49.503	-24.497	54.000	74.000	PEAK

**Note:**

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ \* ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The Emission above 18GHz were not included is because their levels are too low.

Site : CB1	Time : 2012/03/03 - 11:57
Limit : FCC_SpartC_15.247_H_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	Power : AC 120V/60Hz
EUT : Dual-band Wireless-N Adapter	Note : 802.11n(40MHz)_5755MHz

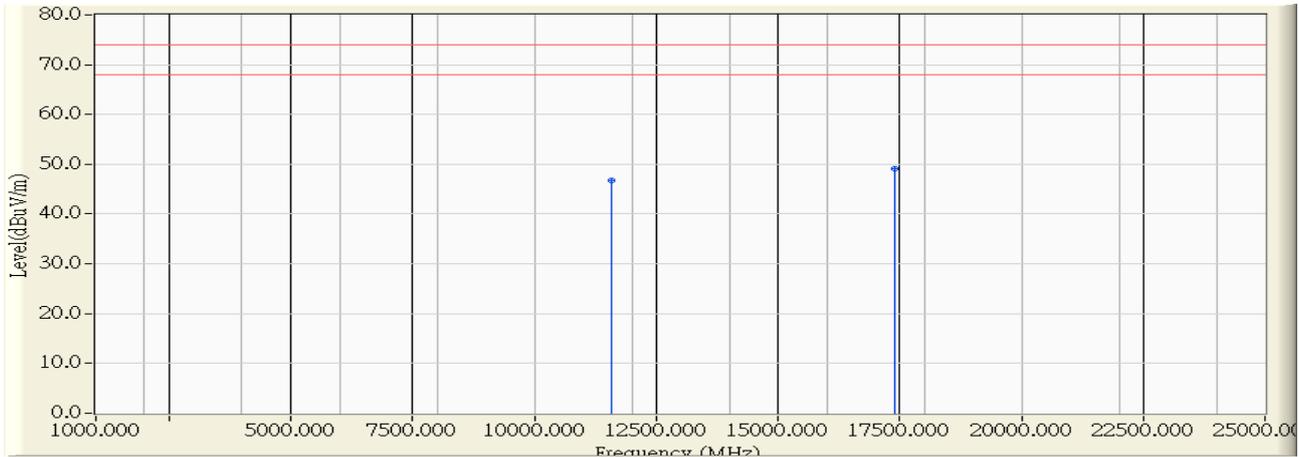


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Average Limit (dBuV/m)	Peak Limit (dBuV/m)	Detector Type
1	11510.000	12.118	37.108	49.226	-24.774	54.000	74.000	PEAK
2	* 17265.000	15.862	36.252	52.114	-21.886	54.000	74.000	PEAK

**Note:**

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ \* ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The Emission above 18GHz were not included is because their levels are too low.

Site : CB1	Time : 2012/03/03 - 13:05
Limit : FCC_SpartC_15.247_H_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	Power : AC 120V/60Hz
EUT : Dual-band Wireless-N Adapter	Note : 802.11n(40MHz)_5795MHz

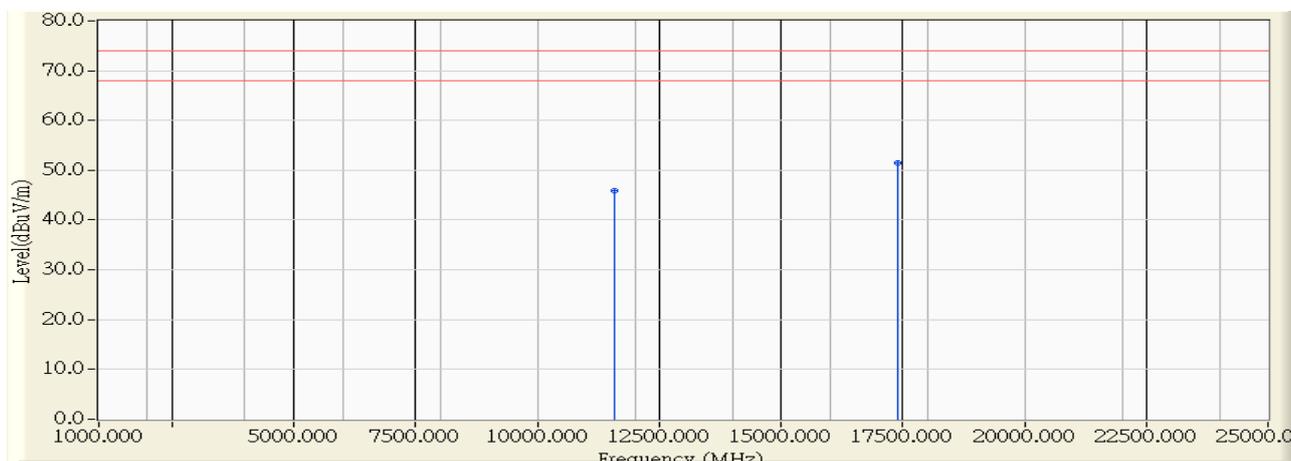


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Average Limit (dBuV/m)	Peak Limit (dBuV/m)	Detector Type
1	11590.000	12.025	34.740	46.765	-27.235	54.000	74.000	PEAK
2	* 17385.000	16.350	32.812	49.162	-24.838	54.000	74.000	PEAK

**Note:**

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ \* ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The Emission above 18GHz were not included is because their levels are too low.

Site : CB1	Time : 2012/03/03 - 13:07
Limit : FCC_SpartC_15.247_H_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	Power : AC 120V/60Hz
EUT : Dual-band Wireless-N Adapter	Note : 802.11n(40MHz)_5795MHz



	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Average Limit (dBuV/m)	Peak Limit (dBuV/m)	Detector Type
1	11590.000	12.025	33.919	45.944	-28.056	54.000	74.000	PEAK
2	* 17385.000	16.350	35.209	51.559	-22.441	54.000	74.000	PEAK

**Note:**

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ \* ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The Emission above 18GHz 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:

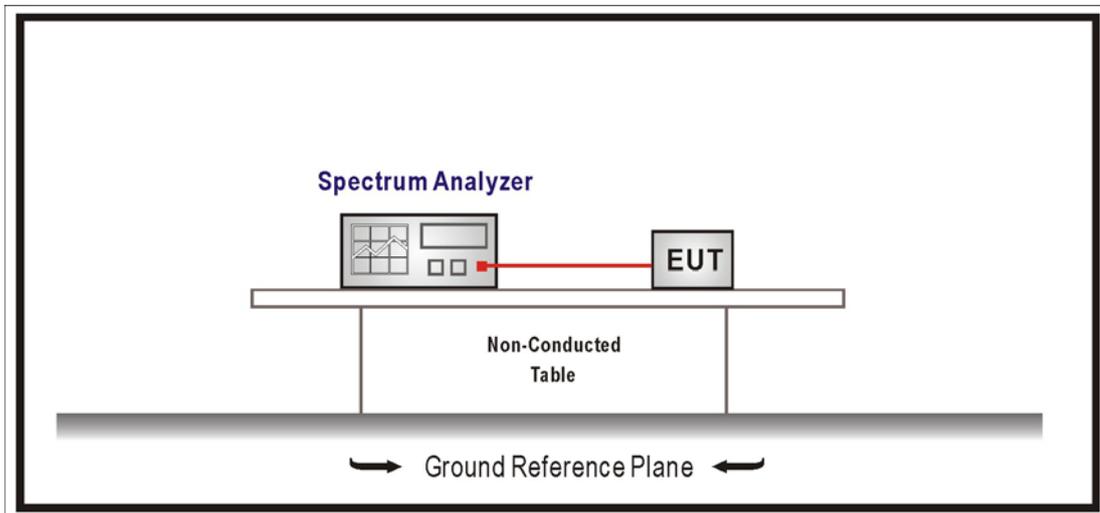
RF antenna conducted test / SR7

Instrument	Manufacturer	Model No.	Serial No	Next Cal. Date
Spectrum Analyzer	R&S	FSP	100561	2013/02/19

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

**5.2. Test Setup**

RF Antenna Conducted Measurement:



### 5.3. Limits

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

### 5.4. Test Procedure

The EUT was setup according to ANSI C63.4: 2009 and tested according to DTS test procedure of Jan. 2012 KDB558074 for compliance to FCC 47CFR 15.247 requirements Set RBW = 100 kHz, Set VBW > RBW, scan up through 10th harmonic.

### 5.5. Test Specification

According to FCC Part 15 Subpart C Paragraph 15.247: 2010

### 5.6. Uncertainty

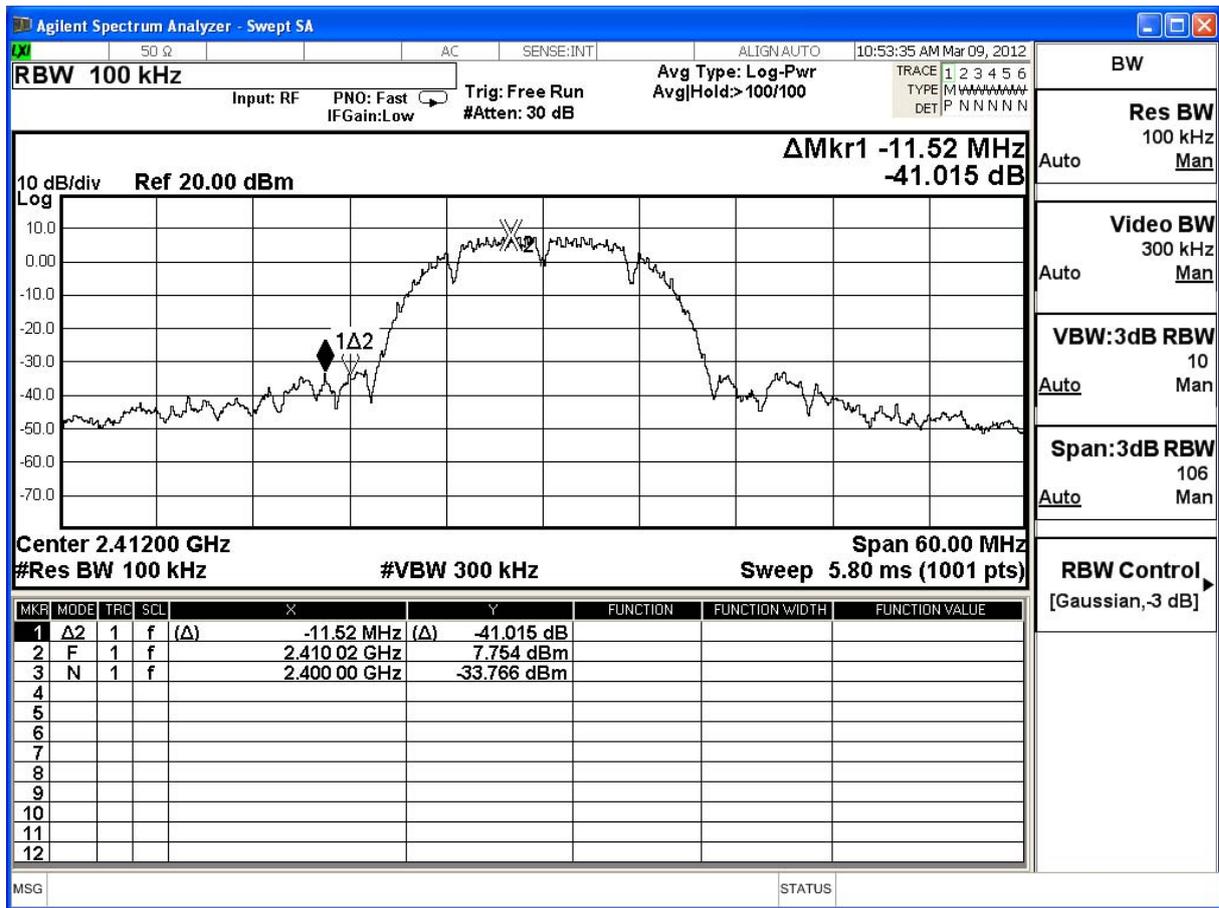
Conducted is defined as  $\pm 1.27\text{dB}$

5.7. Test Result

Product	Dual-band Wireless-N Adapter		
Test Item	RF antenna conducted test		
Test Mode	Mode 1: Transmit		
Date of Test	2012/03/09	Test Site	SR7

IEEE 802.11b, Antenna Gain: 2dBi, Duty Cycle: 1				
Channel No.	Frequency (MHz)	Measure Level (dBc)	Limit (dBc)	Result
1	2412	41.015	≥20	Pass
11	2462	51.395	≥20	Pass

Channel 01 (2412MHz)



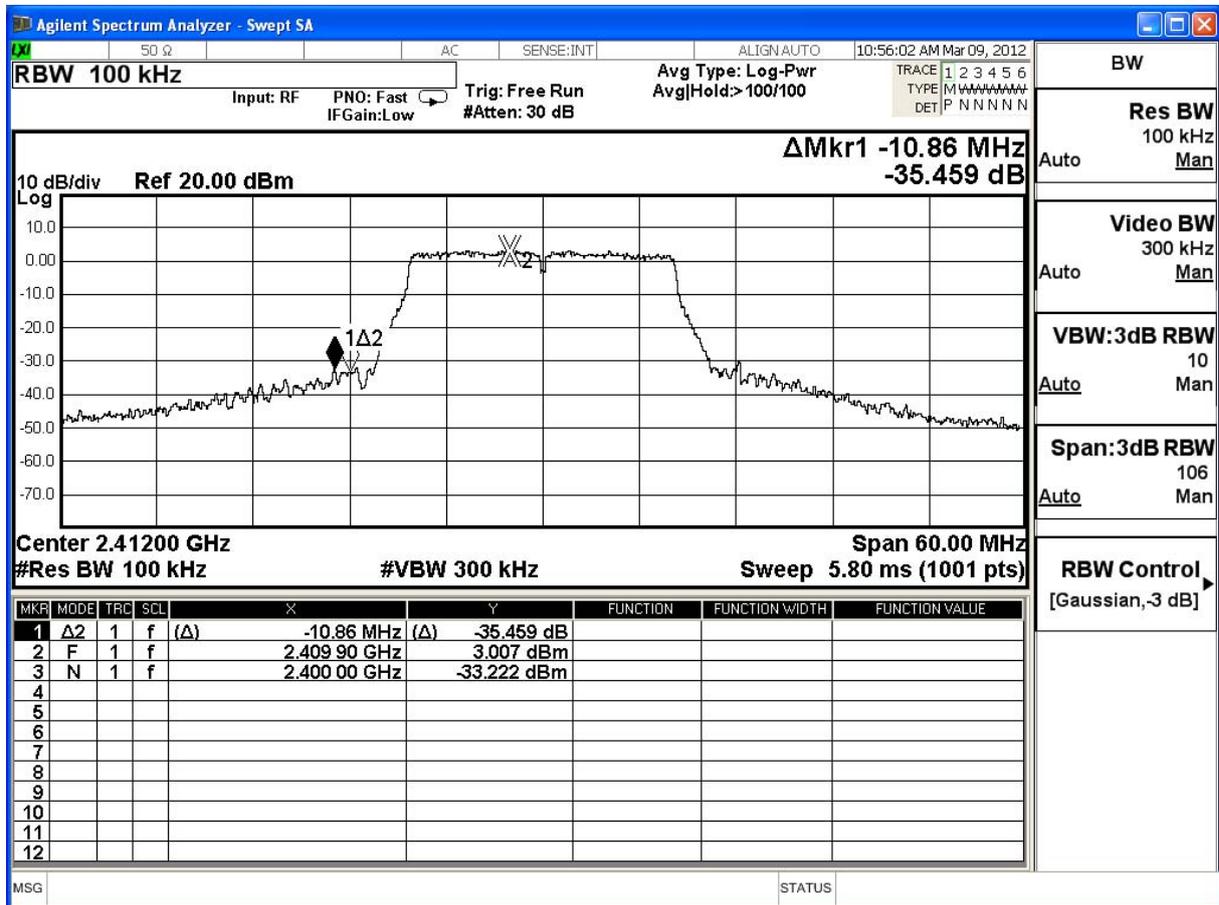


Product	Dual-band Wireless-N Adapter		
Test Item	RF antenna conducted test		
Test Mode	Mode 1: Transmit		
Date of Test	2012/03/09	Test Site	SR7

IEEE 802.11g, Antenna Gain: 2dBi, Duty Cycle: 1

Channel No.	Frequency (MHz)	Measure Level (dBc)	Limit (dBc)	Result
1	2412	35.459	≥20	Pass
11	2462	45.055	≥20	Pass

### Channel 01 (2412MHz)



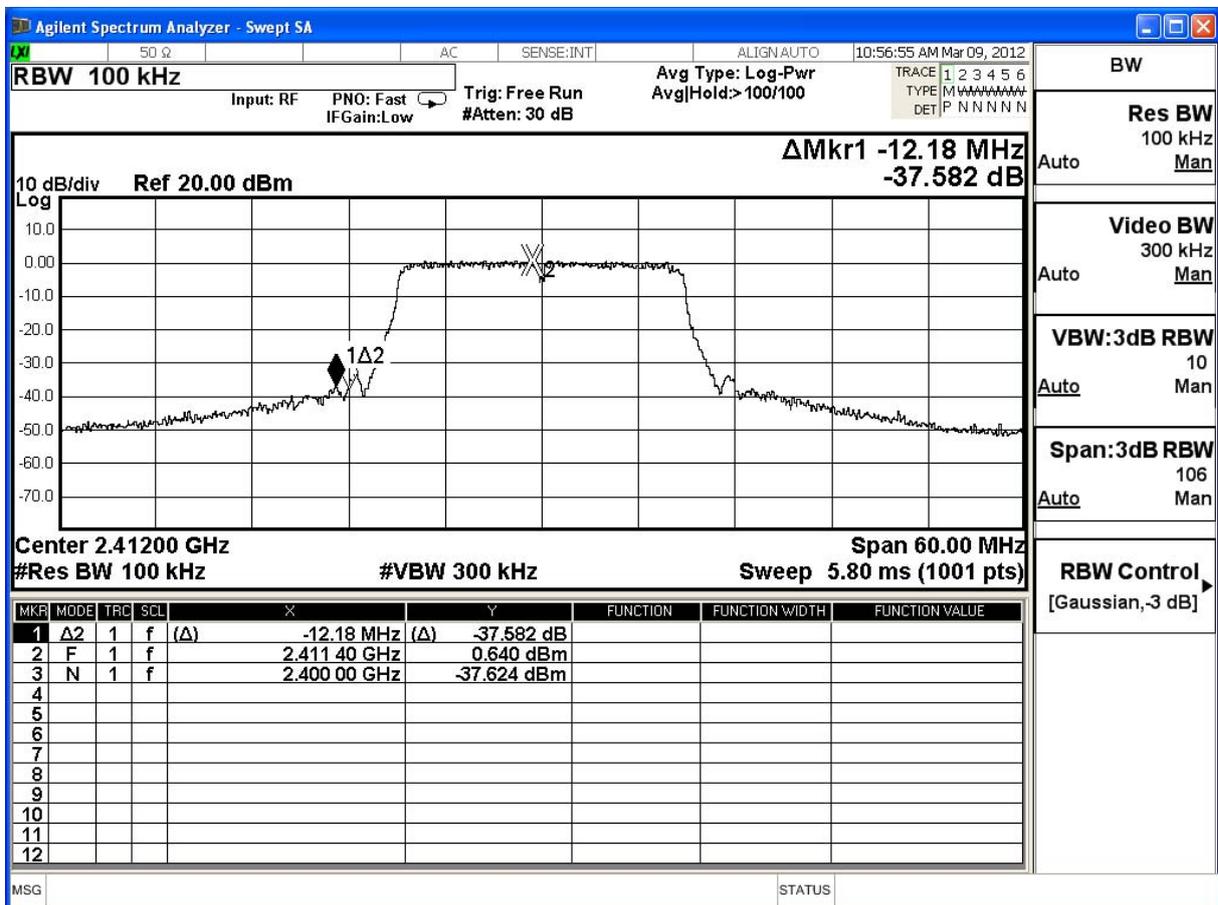


Product	Dual-band Wireless-N Adapter		
Test Item	RF antenna conducted test		
Test Mode	Mode 1: Transmit		
Date of Test	2012/03/09	Test Site	SR7

IEEE 802.11n (20MHz), (ANT 0), Antenna Gain: 2dBi, Duty Cycle: 1

Channel No.	Frequency (MHz)	Measure Level (dBc)	Limit (dBc)	Result
1	2412	37.582	≥20	Pass
11	2462	45.490	≥20	Pass

### Channel 1 (2412MHz)



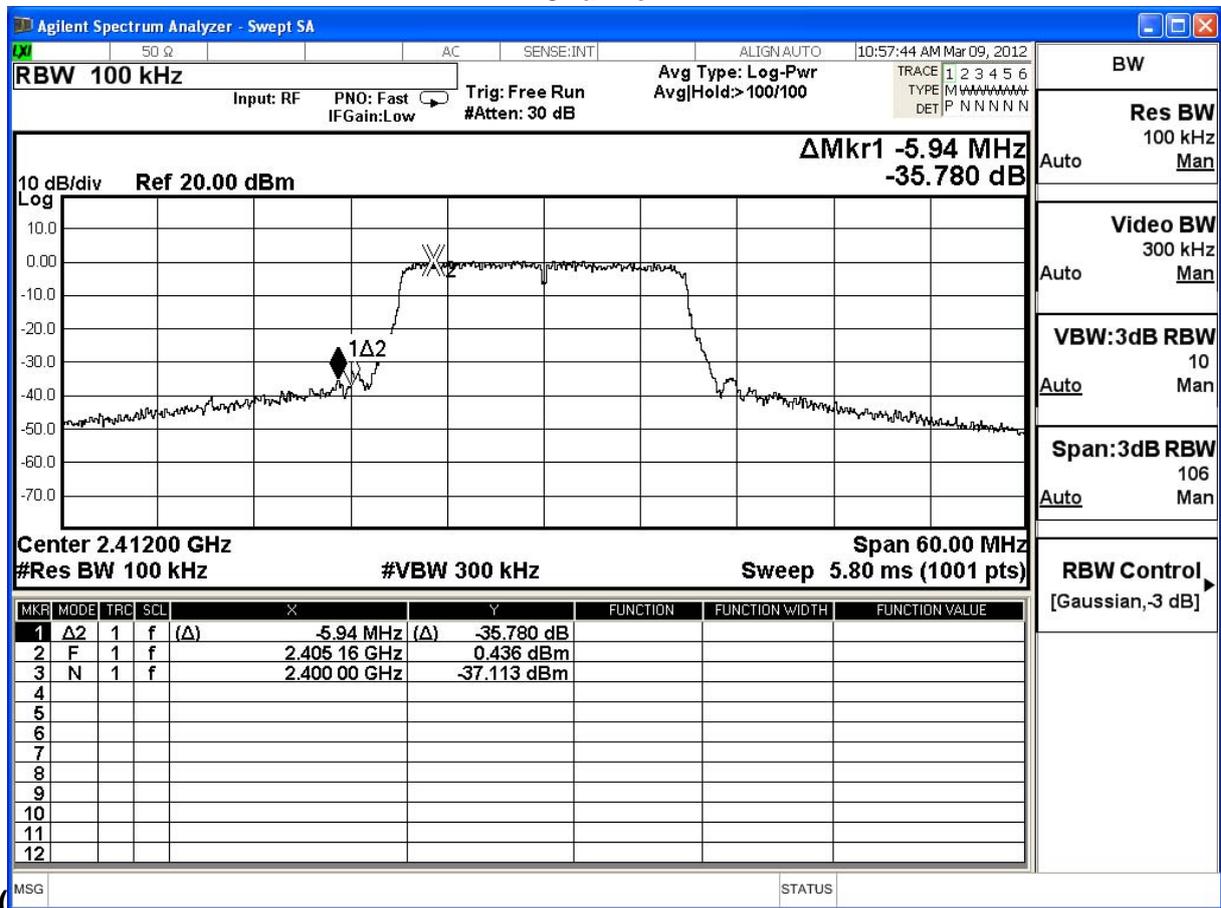


Product	Dual-band Wireless-N Adapter		
Test Item	RF antenna conducted test		
Test Mode	Mode 1: Transmit		
Date of Test	2012/03/09	Test Site	SR7

IEEE 802.11n (20MHz), (ANT 1), Antenna Gain: 2dBi, Duty Cycle: 1

Channel No.	Frequency (MHz)	Measure Level (dBc)	Limit (dBc)	Result
1	2412	35.780	≥20	Pass
11	2462	45.228	≥20	Pass

### Channel 1







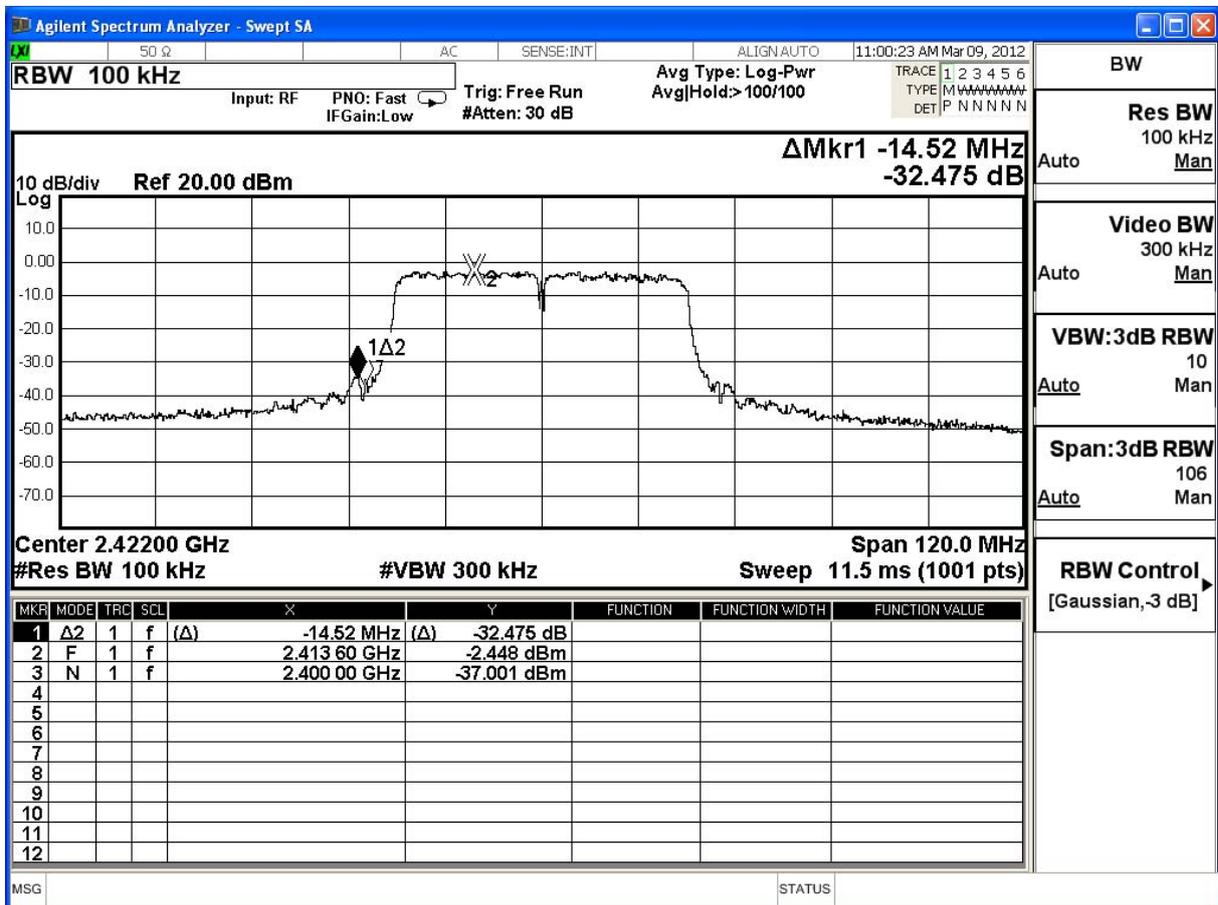


Product	Dual-band Wireless-N Adapter		
Test Item	RF antenna conducted test		
Test Mode	Mode 1: Transmit		
Date of Test	2012/03/09	Test Site	SR7

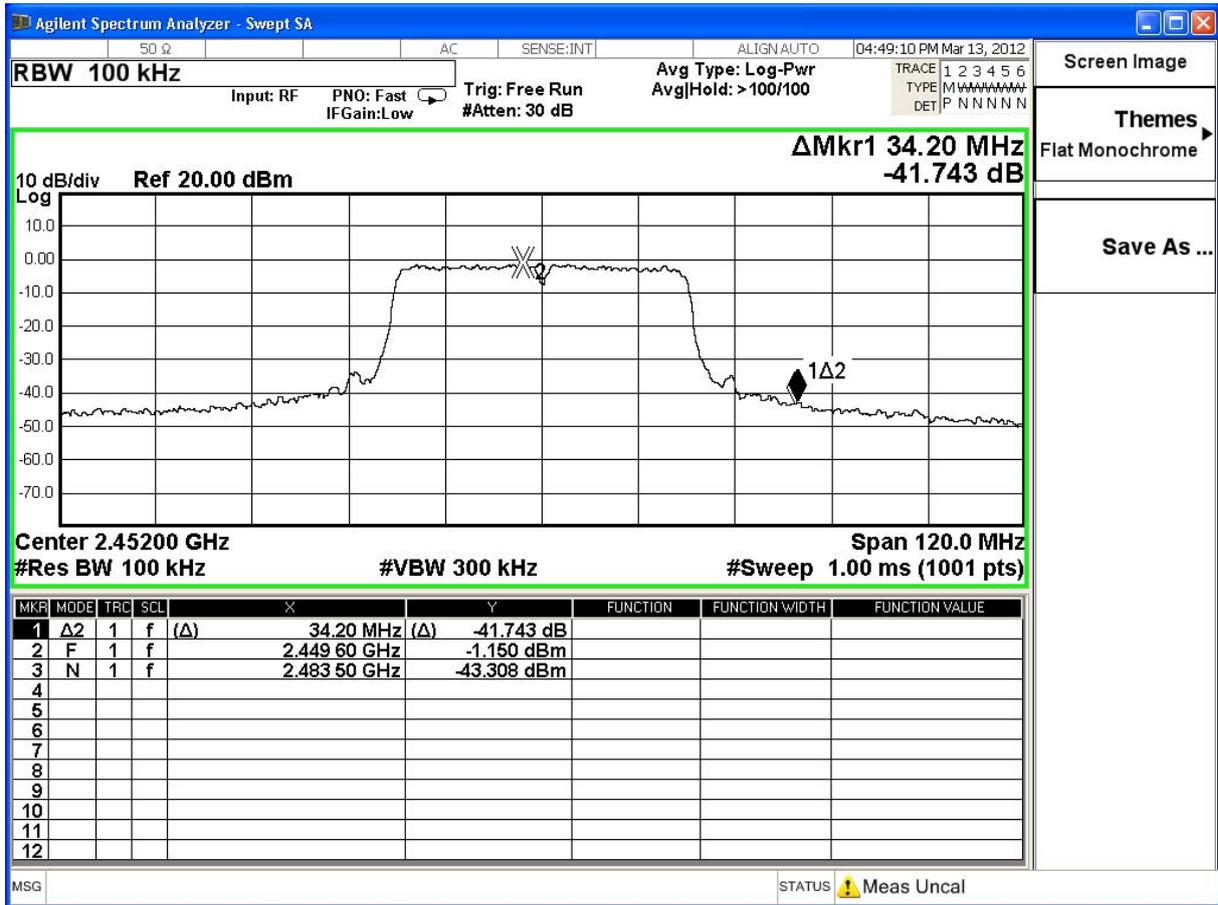
IEEE 802.11n (40MHz), (ANT 0), Antenna Gain: 2dBi, Duty Cycle: 1

Channel No.	Frequency (MHz)	Measure Level (dBc)	Limit (dBc)	Result
3	2422	32.475	≥20	Pass
9	2452	41.743	≥20	Pass

### Channel 3 (2422MHz)



Channel 9 (2452MHz)





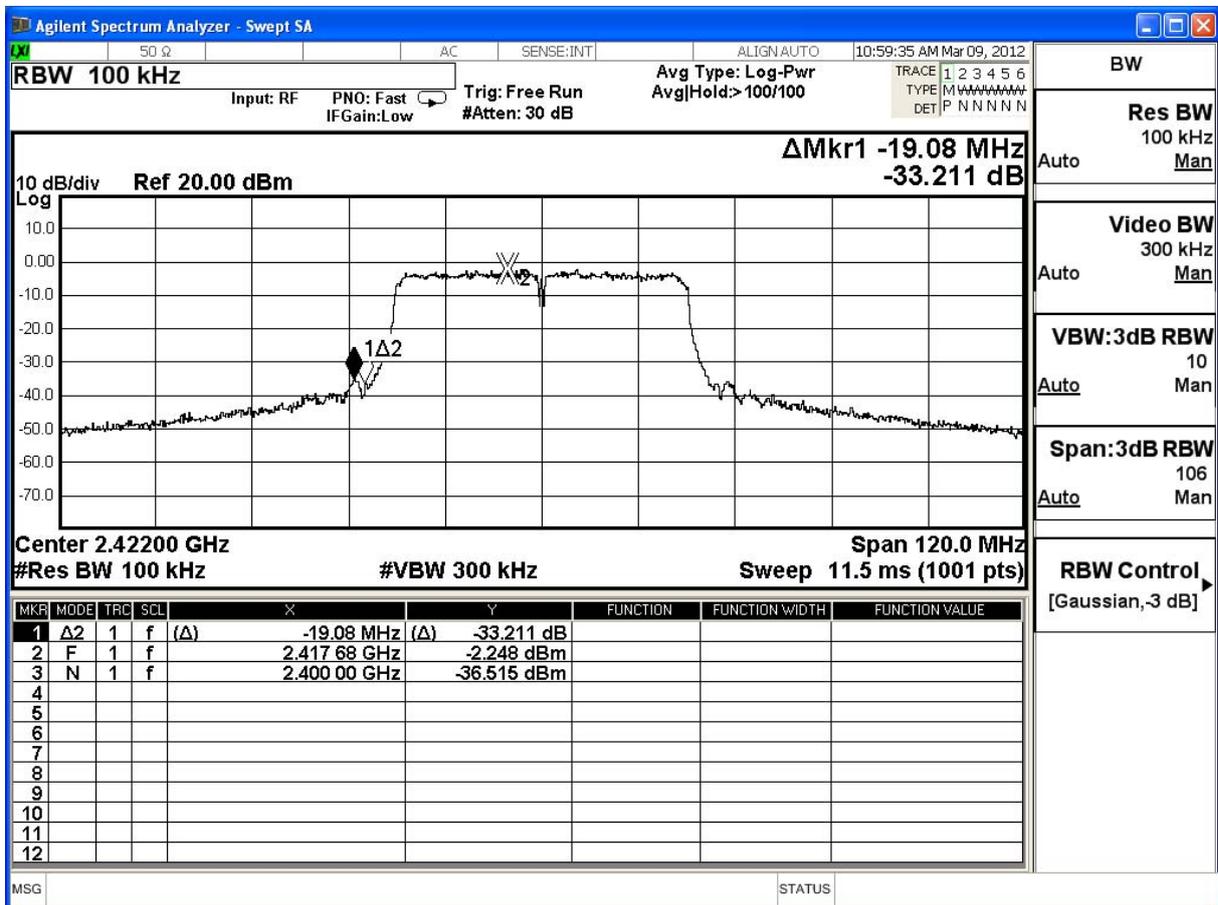


Product	Dual-band Wireless-N Adapter		
Test Item	RF antenna conducted test		
Test Mode	Mode 1: Transmit		
Date of Test	2012/03/09	Test Site	SR7

IEEE 802.11n (40MHz), (ANT 2), Antenna Gain: 2dBi, Duty Cycle: 1

Channel No.	Frequency (MHz)	Measure Level (dBc)	Limit (dBc)	Result
3	2422	33.211	≥20	Pass
9	2452	38.780	≥20	Pass

### Channel 3 (2422MHz)



Channel 9 (2452MHz)

