Test Report

Product Name ： Dual-band Wireless-N Ethernet Adapter
Model No. ： EA-N66
FCC ID. ： MSQ-EAN66

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

Date of Receipt ： 2011/11/23
Issued Date ： 2011/12/07
Report No. ： 11B489R-RFUSP42V01
Report Version ： V1.0

Test Report Certification

Issued Date : 2011/12/07
Report No. : 11B489R-RFUSP42V01

QuieTek

Product Name	:	Dual-band Wireless-N Ethernet Adapter
Applicant	:	ASUSTeK COMPUTER INC.
Address	:	No. 15, Li-Te Rd., Peitou, Taipei 112, Taiwan R.O.C.
Manufacturer	:	ASUSTeK COMPUTER INC.
Model No.	:	EA-N66
FCC ID.	:	MSQ-EAN66
EUT Voltage	:	AC 100-240V, 50-60Hz
Trade Name	:	ASUS
Applicable Standard	:	FCC CFR Title 47 Part 15 Subpart C Section 15.247:2010 ANSI C63.4: 2009
Test Result	:	Complied

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

Documented By : Carol Tsai

(Carol Tsai / Adm. Specialist)

Reviewed By : Chris Liu

(Chris Liu / Engineer)

Approved By : Roy Wang

(Roy Wang / Manager)

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1. General Information

1.1. EUT Description

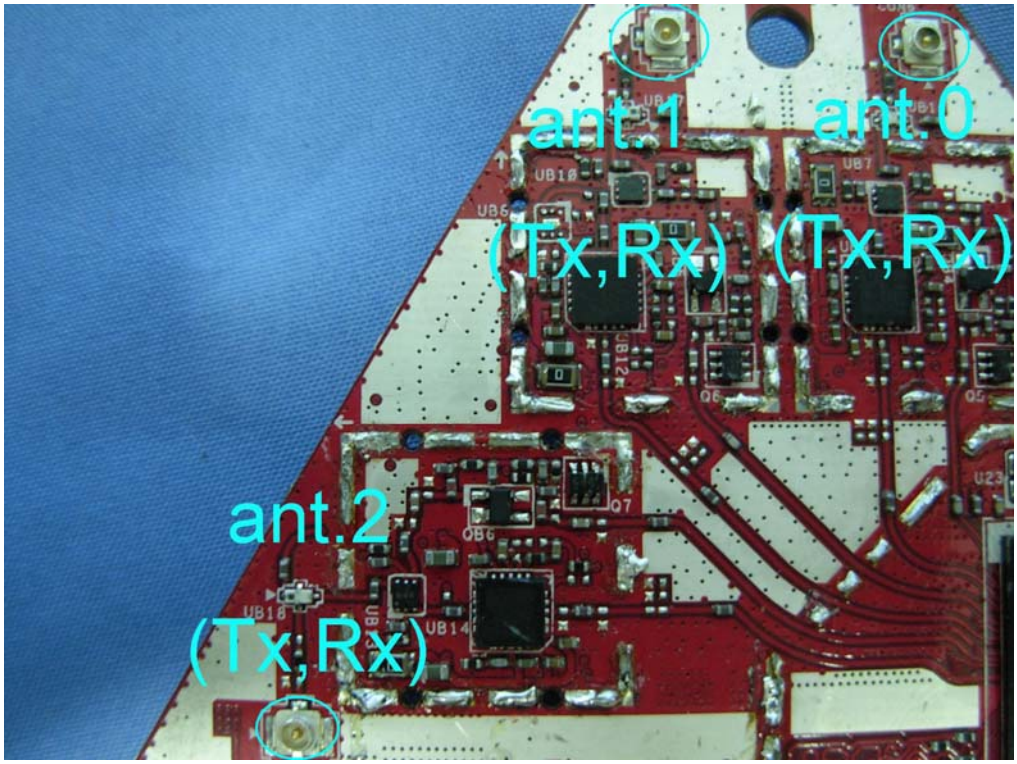
Product Name	Dual-band Wireless-N Ethernet Adapter
Product Type	WLAN(3TX,3RX)
Trade Name	ASUS
Model No.	EA-N66
Frequency Range -IEEE 802.11b/g & IEEE 802.11n (20MHz)_2.4GHz	2412~2462MHz
Frequency Range- IEEE 802.11n (40MHz) _2.4GHz	2422~2452MHz
Frequency Range -IEEE 802.11a & IEEE 802.11n (20MHz)_5.8GHz	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	2dBi (2.4GHz) 4dBi (5GHz)
Channel Control	Manual
Antenna Type	Dipole

Component	
LAN Cable	Non-Shielded, 1m
Power Adatper	DVE, DSA-12GX-12 FUS 120120 I/P : 100-240V~50/60Hz 0.3A O/P : +12V⎓ 1A Cable Out: Non-Shielded, 1.5m
Power Adatper	PHIHONG, PSA12A-120 I/P : 100-240V~0.5A 50-60Hz O/P : 12V⎓ 1.0A 27-37VA Cable Out: Non-Shielded, 1.5m, one ferrite core bonded.

ANT-TX / Rx & Bandwidth

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

TX / RX



IEEE 802.11n

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

Table 1 – MCS parameters for TX Antenna number = 1

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

Table 2 – MCS parameters for TX Antenna number = 2

MCS Index	Modulation	R	N_{BPSCS}	N_{CBPS}		N_{DBPS}		Data Rate(Mb/s)			
				20MHz	40MHz	20MHz	40MHz	800ns GI		400ns GI (Note1)	
								20MHz	40MHz	20MHz	40MHz
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_{BPSC}	Number of coded bits per single carrier
N_{CBPS}	Number of coded bits per symbol
N_{DBPS}	Number of data bits per symbol
GI	guard interval

IEEE 802.11b/g & IEEE 802.11n (20MHz) - 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 & 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 Ethernet 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: 11B489R-RFUSP32V01.
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 11B489R-RFUSP37V02 under Declaration of Conformity.

1.3. Test Mode

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

TX	Mode 1: Transmit (Adapter: DVE) Mode 2: Transmit (Adapter: PHIHONG)

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	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

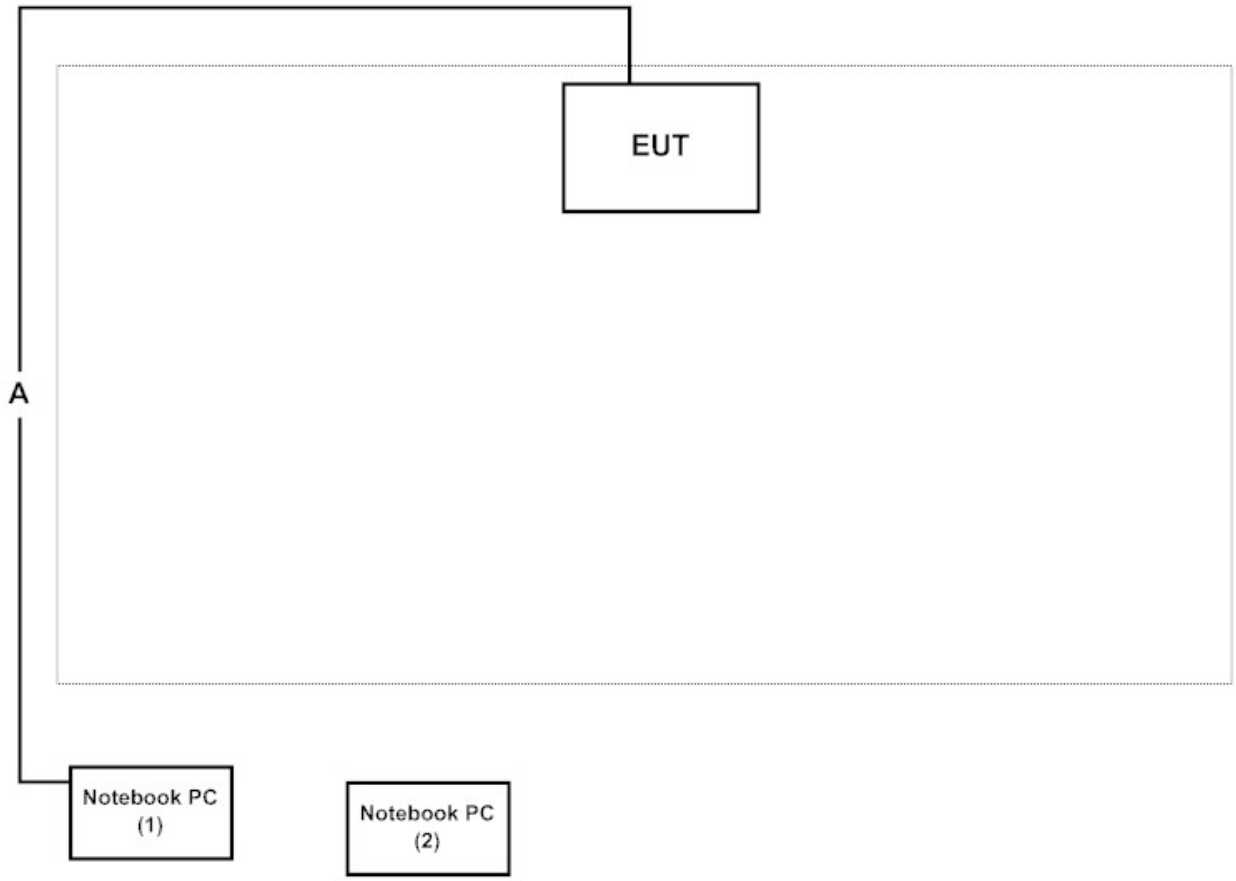
1.4. Tested System Details

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 ID	Power Cord
1	Notebook PC	DELL	PP37L	CD8BNG1	DoC	Non-Shielded, 1.8m
2	Notebook PC	ACER	MS2296	LUSCV0213911503 32C2000	DoC	Non-Shielded, 2.5m one ferrite core bonded

1.5. Configuration of tested System

Connection Diagram



Signal Cable Type		Signal cable Description
A	LAN Cable	Non-Shielded, 1m

1.6. EUT Exercise Software

1	Setup the EUT as shown in Section 1.5.
2	Execute the “RT3883-AP-v1.0.4.0” 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	
Humidity (%RH)		25 - 75	
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	
Humidity (%RH)		25 - 75	
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	
Humidity (%RH)		25 - 75	
Barometric pressure (mbar)		860 - 1060	950-1000
Temperature (°C)	FCC PART 15 C 15.247 Power Density (DSSS)	15 - 35	
Humidity (%RH)		25 - 75	
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

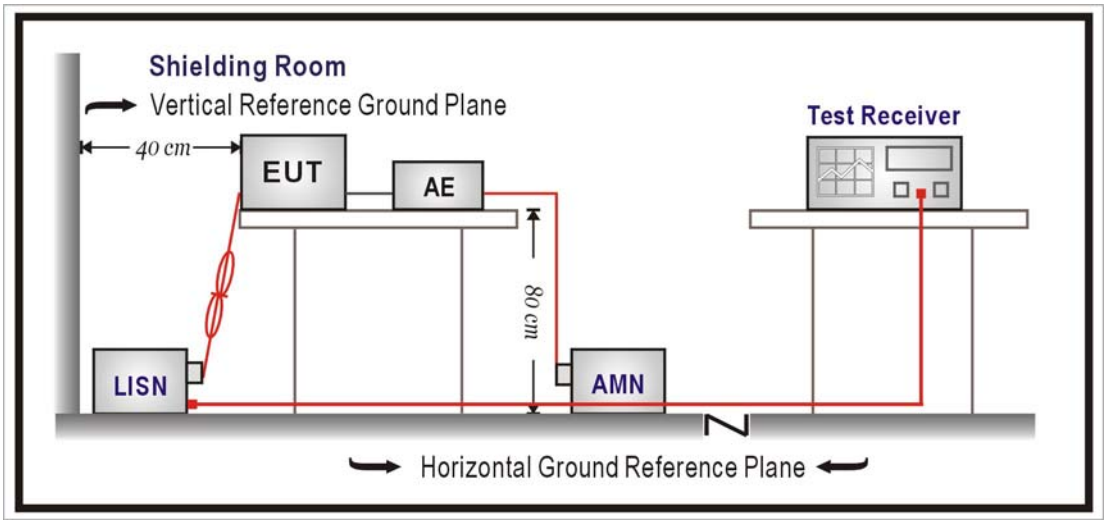
The following test equipments are used during the test:

Conducted Emission / SR3

Instrument	Manufacturer	Model No.	Serial No	Cal. Date	Next Cal. Date
LISN	R&S	ENV216	100096	2011/09/07	2012/09/06
LISN	R&S	ESH3-Z5	836679/022	2011/02/11	2012/02/10
Test Receiver	R&S	ESCS 30	825442/017	2011/01/17	2012/01/16

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

2.2. Test Setup



2.3. Limits

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

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

2.4. Test Procedure

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

2.5. Test Specification

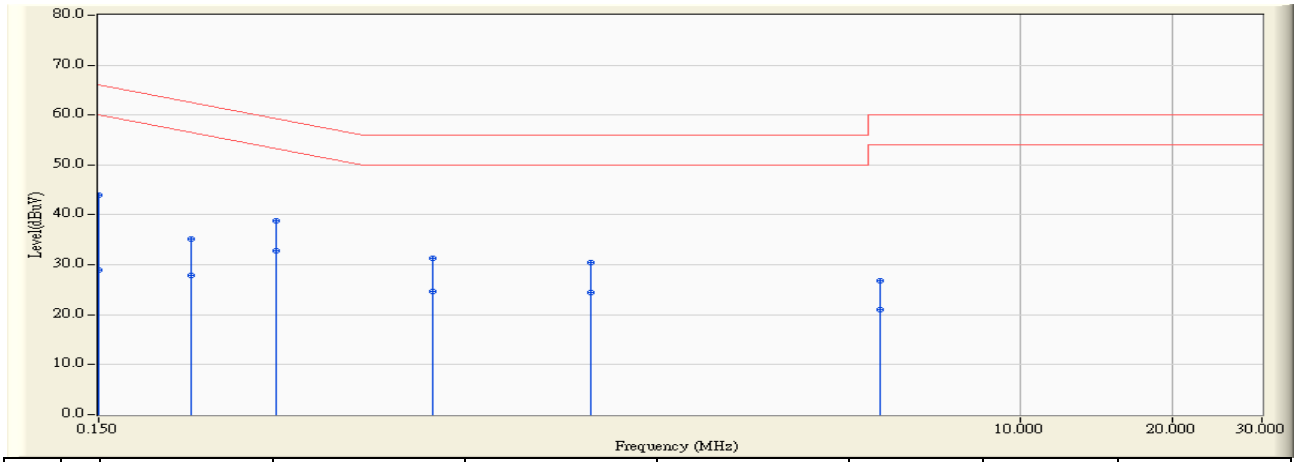
According to FCC Part 15 Subpart C Paragraph 15.207: 2010

2.6. Uncertainty

The measurement uncertainty is defined as ± 2.26 dB.

2.7. Test Result

Site : SR3	**Time : 2011/11/27 - 16:17**
Limit : CISPR_B_00M_QP	**Margin : 6**
Probe : SR3_LISN(16A)-1_0907 - Line1	**Power : AC 120V/60Hz**
EUT : Dual-band Wireless-N Ethernet Adapter	**Note : Mode 1: Transmit (Adapter: DVE)** **2.4GHz**

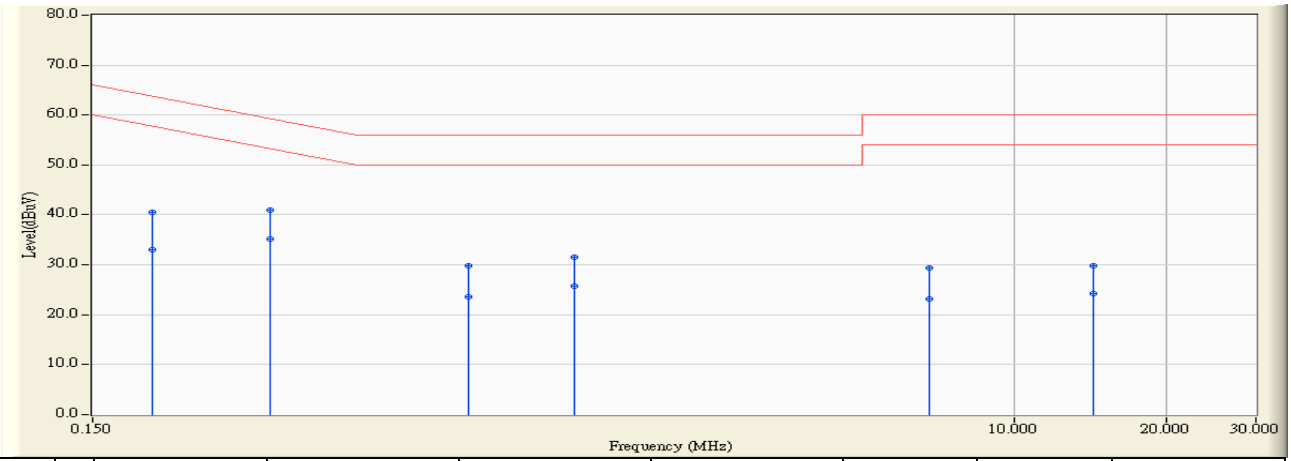


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1		0.150	9.654	34.290	43.944	-22.056	66.000	QUASIPEAK
2		0.150	9.654	19.260	28.914	-27.086	56.000	AVERAGE
3		0.228	9.661	25.490	35.151	-27.367	62.518	QUASIPEAK
4		0.228	9.661	18.180	27.841	-24.677	52.518	AVERAGE
5		0.338	9.677	29.250	38.927	-20.338	59.265	QUASIPEAK
6	*	0.338	9.677	23.130	32.807	-16.458	49.265	AVERAGE
7		0.685	9.731	21.580	31.311	-24.689	56.000	QUASIPEAK
8		0.685	9.731	14.860	24.591	-21.409	46.000	AVERAGE
9		1.408	9.841	20.620	30.461	-25.539	56.000	QUASIPEAK
10		1.408	9.841	14.650	24.491	-21.509	46.000	AVERAGE
11		5.287	10.063	16.680	26.742	-33.258	60.000	QUASIPEAK
12		5.287	10.063	10.990	21.052	-28.948	50.000	AVERAGE

Note:

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

Site : SR3	**Time : 2011/11/27 - 16:20**
Limit : CISPR_B_00M_QP	**Margin : 6**
Probe : SR3_LISN(16A)-1_0907 - Line2	**Power : AC 120V/60Hz**
EUT : Dual-band Wireless-N Ethernet Adapter	**Note : Mode 1: Transmit (Adapter: DVE)** **2.4GHz**

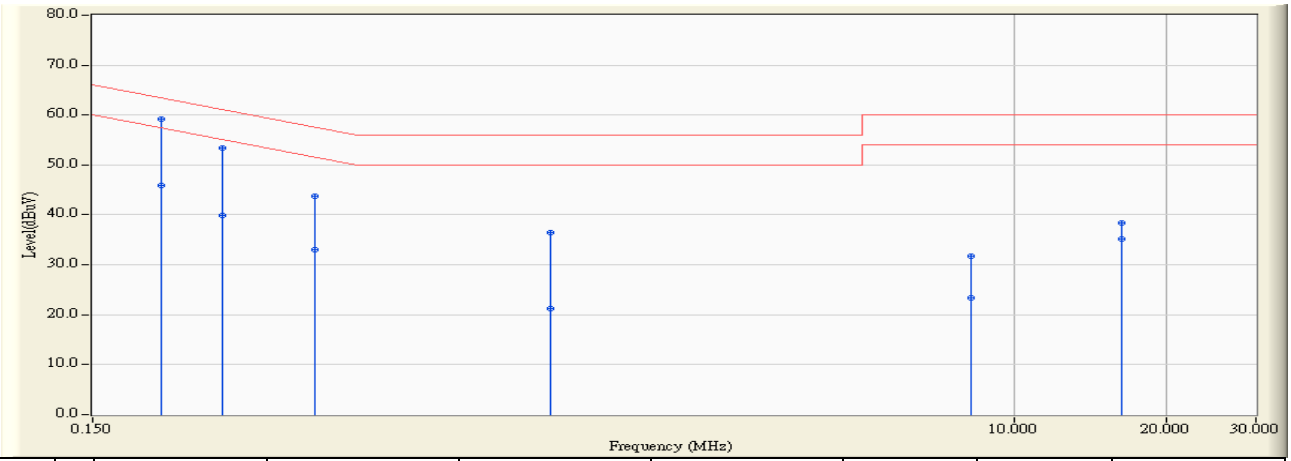


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1		0.197	9.668	30.830	40.497	-23.244	63.741	QUASIPEAK
2		0.197	9.668	23.300	32.967	-20.774	53.741	AVERAGE
3		0.338	9.687	31.340	41.027	-18.238	59.265	QUASIPEAK
4	*	0.338	9.687	25.560	35.247	-14.018	49.265	AVERAGE
5		0.834	9.757	20.030	29.787	-26.213	56.000	QUASIPEAK
6		0.834	9.757	13.800	23.557	-22.443	46.000	AVERAGE
7		1.349	9.832	21.590	31.422	-24.578	56.000	QUASIPEAK
8		1.349	9.832	15.800	25.632	-20.368	46.000	AVERAGE
9		6.798	10.123	19.330	29.453	-30.547	60.000	QUASIPEAK
10		6.798	10.123	12.970	23.093	-26.907	50.000	AVERAGE
11		14.298	10.345	19.380	29.725	-30.275	60.000	QUASIPEAK
12		14.298	10.345	13.980	24.325	-25.675	50.000	AVERAGE

Note:

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

Site : SR3	**Time : 2011/11/27 - 18:06**
Limit : CISPR_B_00M_QP	**Margin : 6**
Probe : SR3_LISN(16A)-1_0907 - Line1	**Power : AC 120V/60Hz**
EUT : Dual-band Wireless-N Ethernet Adapter	**Note : Mode 2: Transmit (Adapter: PHIHONG) 2.4GHz**

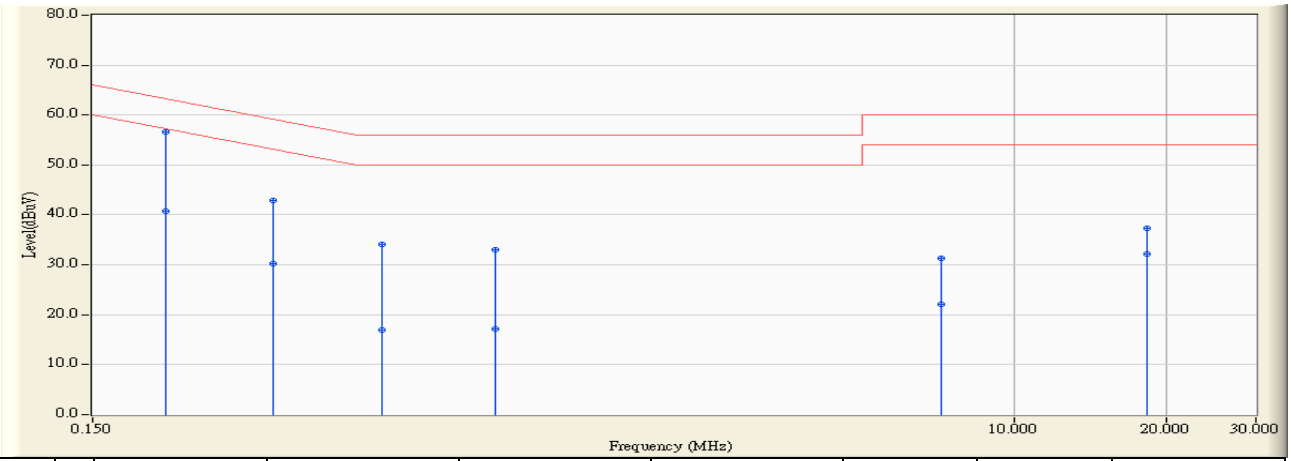


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1	*	0.205	9.659	49.590	59.248	-4.170	63.418	QUASIPEAK
2		0.205	9.659	36.160	45.818	-7.600	53.418	AVERAGE
3		0.271	9.667	43.780	53.447	-7.637	61.084	QUASIPEAK
4		0.271	9.667	30.250	39.917	-11.167	51.084	AVERAGE
5		0.412	9.687	34.070	43.757	-13.856	57.614	QUASIPEAK
6		0.412	9.687	23.260	32.947	-14.666	47.614	AVERAGE
7		1.205	9.811	26.730	36.541	-19.459	56.000	QUASIPEAK
8		1.205	9.811	11.350	21.161	-24.839	46.000	AVERAGE
9		8.224	10.104	21.660	31.765	-28.235	60.000	QUASIPEAK
10		8.224	10.104	13.290	23.395	-26.605	50.000	AVERAGE
11		16.228	10.270	28.200	38.470	-21.530	60.000	QUASIPEAK
12		16.228	10.270	24.820	35.090	-14.910	50.000	AVERAGE

Note:

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

Site : SR3	**Time : 2011/11/27 - 18:11**
Limit : CISPR_B_00M_QP	**Margin : 6**
Probe : SR3_LISN(16A)-1_0907 - Line2	**Power : AC 120V/60Hz**
EUT : Dual-band Wireless-N Ethernet Adapter	**Note : Mode 2: Transmit (Adapter: PHIHONG) 2.4GHz**

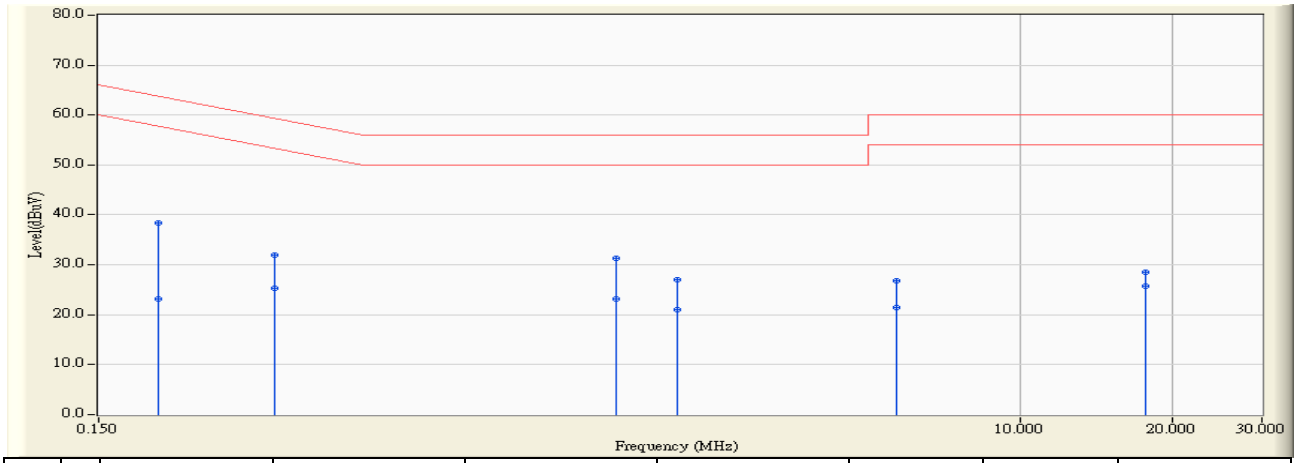


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1	*	0.209	9.668	46.880	56.549	-6.713	63.261	QUASIPEAK
2		0.209	9.668	31.090	40.759	-12.503	53.261	AVERAGE
3		0.341	9.687	33.110	42.797	-16.372	59.169	QUASIPEAK
4		0.341	9.687	20.540	30.227	-18.942	49.169	AVERAGE
5		0.560	9.718	24.460	34.178	-21.822	56.000	QUASIPEAK
6		0.560	9.718	7.190	16.908	-29.092	46.000	AVERAGE
7		0.939	9.771	23.170	32.941	-23.059	56.000	QUASIPEAK
8		0.939	9.771	7.400	17.171	-28.829	46.000	AVERAGE
9		7.142	10.130	21.270	31.400	-28.600	60.000	QUASIPEAK
10		7.142	10.130	11.910	22.040	-27.960	50.000	AVERAGE
11		18.244	10.461	26.920	37.381	-22.619	60.000	QUASIPEAK
12		18.244	10.461	21.750	32.211	-17.789	50.000	AVERAGE

Note:

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

Site : SR3	**Time : 2011/11/27 - 17:52**
Limit : CISPR_B_00M_QP	**Margin : 6**
Probe : SR3_LISN(16A)-1_0907 - Line1	**Power : AC 120V/60Hz**
EUT : Dual-band Wireless-N Ethernet Adapter	**Note : Mode 1: Transmit (Adapter: DVE) 5.8GHz)**

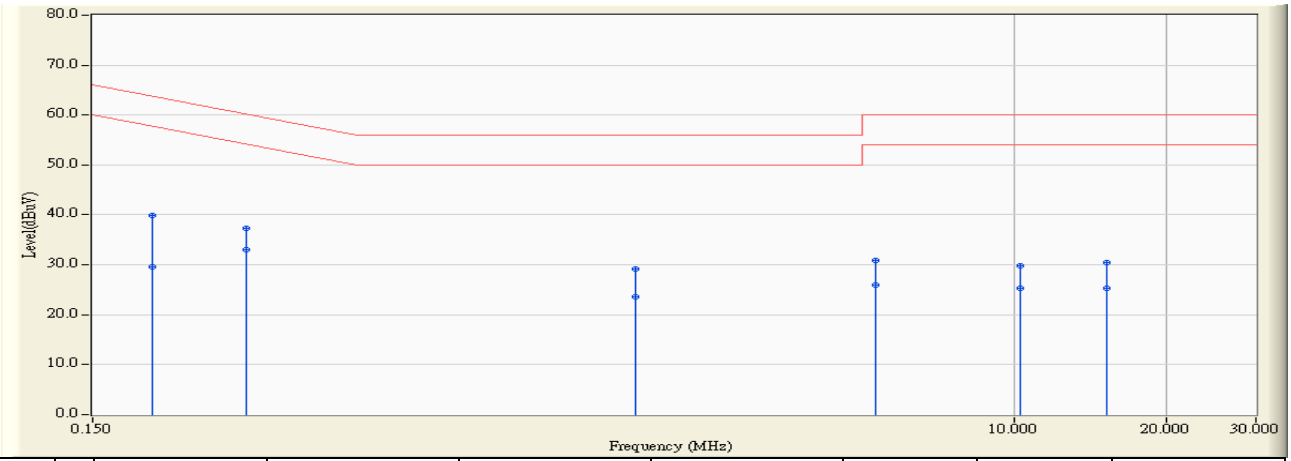


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1		0.197	9.658	28.700	38.357	-25.384	63.741	QUASIPEAK
2		0.197	9.658	13.610	23.267	-30.474	53.741	AVERAGE
3		0.334	9.676	22.290	31.966	-27.395	59.361	QUASIPEAK
4		0.334	9.676	15.690	25.366	-23.995	49.361	AVERAGE
5		1.584	9.868	21.430	31.297	-24.703	56.000	QUASIPEAK
6	*	1.584	9.868	13.240	23.107	-22.893	46.000	AVERAGE
7		2.095	9.933	17.120	27.054	-28.946	56.000	QUASIPEAK
8		2.095	9.933	11.020	20.954	-25.046	46.000	AVERAGE
9		5.697	10.068	16.760	26.828	-33.172	60.000	QUASIPEAK
10		5.697	10.068	11.320	21.388	-28.612	50.000	AVERAGE
11		17.693	10.282	18.260	28.542	-31.458	60.000	QUASIPEAK
12		17.693	10.282	15.460	25.742	-24.258	50.000	AVERAGE

Note:

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

Site : SR3	**Time : 2011/11/27 - 17:55**
Limit : CISPR_B_00M_QP	**Margin : 6**
Probe : SR3_LISN(16A)-1_0907 - Line2	**Power : AC 120V/60Hz**
EUT : Dual-band Wireless-N Ethernet Adapter	**Note : Mode 1: Transmit (Adapter: DVE)** **5.8GHz**

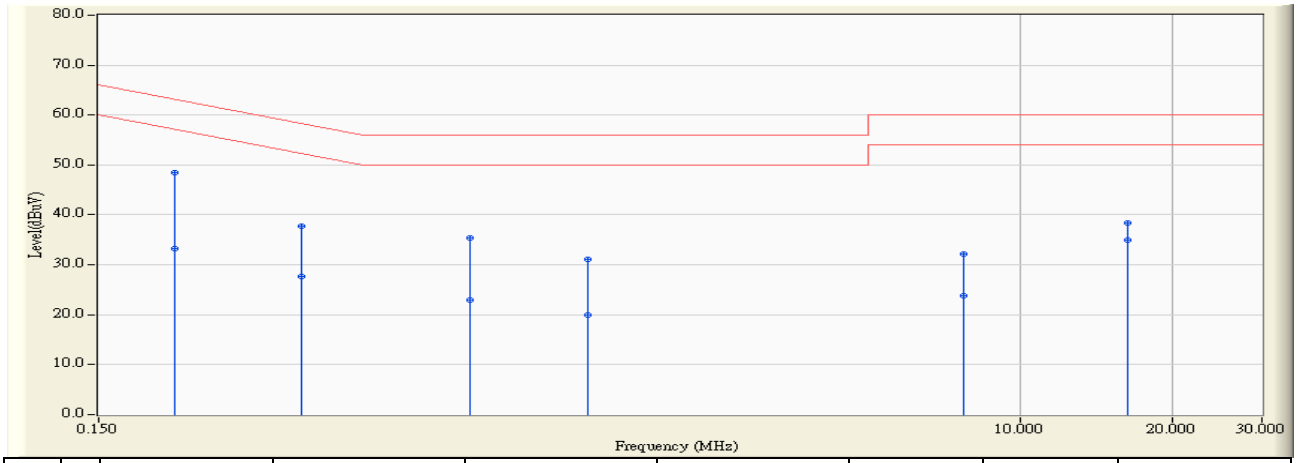


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1		0.197	9.668	30.140	39.807	-23.934	63.741	QUASIPEAK
2		0.197	9.668	20.000	29.667	-24.074	53.741	AVERAGE
3		0.302	9.682	27.680	37.362	-22.817	60.178	QUASIPEAK
4	*	0.302	9.682	23.420	33.102	-17.077	50.178	AVERAGE
5		1.783	9.897	19.270	29.167	-26.833	56.000	QUASIPEAK
6		1.783	9.897	13.680	23.577	-22.423	46.000	AVERAGE
7		5.298	10.091	20.850	30.941	-29.059	60.000	QUASIPEAK
8		5.298	10.091	15.830	25.921	-24.079	50.000	AVERAGE
9		10.244	10.198	19.720	29.919	-30.081	60.000	QUASIPEAK
10		10.244	10.198	15.050	25.249	-24.751	50.000	AVERAGE
11		15.248	10.377	20.000	30.377	-29.623	60.000	QUASIPEAK
12		15.248	10.377	14.900	25.277	-24.723	50.000	AVERAGE

Note:

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

Site : SR3	**Time : 2011/11/27 - 18:19**
Limit : CISPR_B_00M_QP	**Margin : 6**
Probe : SR3_LISN(16A)-1_0907 - Line1	**Power : AC 120V/60Hz**
EUT : Dual-band Wireless-N Ethernet Adapter	**Note : Mode 2: Transmit (Adapter: PHIHONG) 5.8GHz**

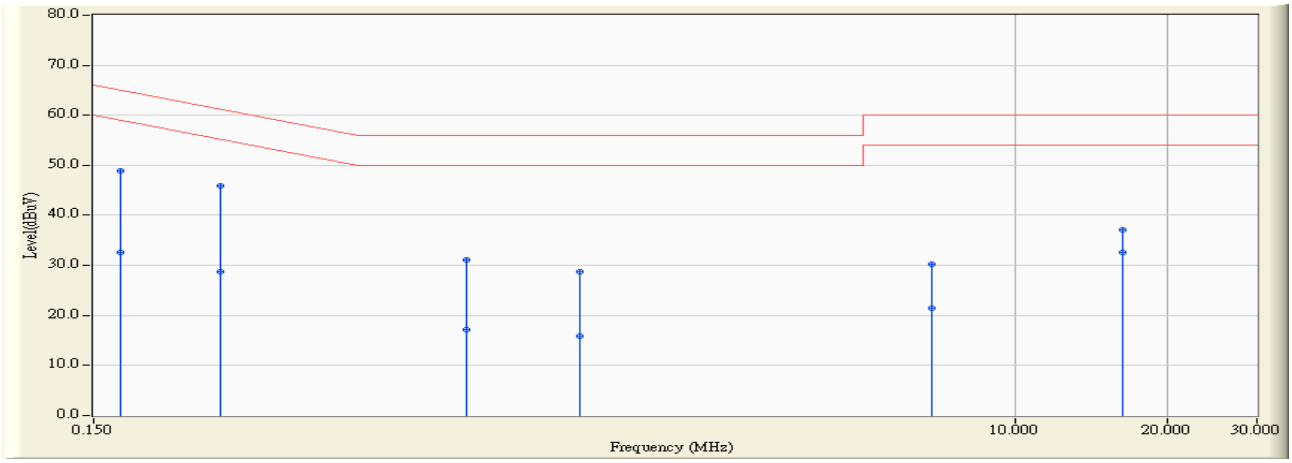


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1	*	0.212	9.659	38.830	48.489	-14.618	63.107	QUASIPEAK
2		0.212	9.659	23.630	33.289	-19.818	53.107	AVERAGE
3		0.377	9.682	28.140	37.822	-20.533	58.355	QUASIPEAK
4		0.377	9.682	17.980	27.662	-20.693	48.355	AVERAGE
5		0.814	9.751	25.580	35.331	-20.669	56.000	QUASIPEAK
6		0.814	9.751	13.130	22.881	-23.119	46.000	AVERAGE
7		1.396	9.839	21.310	31.149	-24.851	56.000	QUASIPEAK
8		1.396	9.839	10.150	19.989	-26.011	46.000	AVERAGE
9		7.736	10.097	22.080	32.178	-27.822	60.000	QUASIPEAK
10		7.736	10.097	13.800	23.898	-26.102	50.000	AVERAGE
11		16.228	10.270	28.200	38.470	-21.530	60.000	QUASIPEAK
12		16.228	10.270	24.650	34.920	-15.080	50.000	AVERAGE

Note:

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

Site : SR3	**Time : 2011/11/27 - 18:22**
Limit : CISPR_B_00M_QP	**Margin : 6**
Probe : SR3_LISN(16A)-1_0907 - Line2	**Power : AC 120V/60Hz**
EUT : Dual-band Wireless-N Ethernet Adapter	**Note : Mode 2: Transmit (Adapter: PHIHONG) 5.8GHz**



		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1		0.170	9.666	39.280	48.946	-16.038	64.983	QUASIPEAK
2		0.170	9.666	22.910	32.576	-22.408	54.983	AVERAGE
3	*	0.267	9.677	36.160	45.837	-15.368	61.205	QUASIPEAK
4		0.267	9.677	19.010	28.687	-22.518	51.205	AVERAGE
5		0.818	9.754	21.450	31.204	-24.796	56.000	QUASIPEAK
6		0.818	9.754	7.470	17.224	-28.776	46.000	AVERAGE
7		1.373	9.836	19.000	28.836	-27.164	56.000	QUASIPEAK
8		1.373	9.836	6.060	15.896	-30.104	46.000	AVERAGE
9		6.802	10.123	20.070	30.193	-29.807	60.000	QUASIPEAK
10		6.802	10.123	11.400	21.523	-28.477	50.000	AVERAGE
11		16.228	10.405	26.690	37.094	-22.906	60.000	QUASIPEAK
12		16.228	10.405	22.280	32.684	-17.316	50.000	AVERAGE

Note:

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

3. Peak Power Output

3.1. Test Equipment

The following test equipments are used during the test:

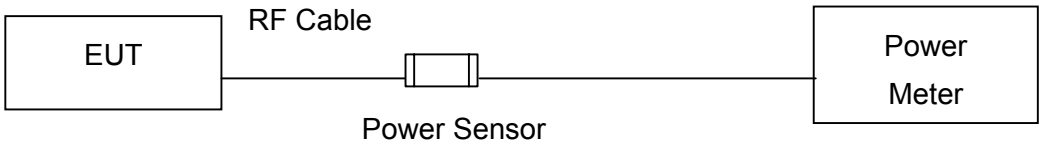
Peak Power Output / SR7

Instrument	Manufacturer	Model No.	Serial No	Cal. Date	Next Cal. Date
Power Meter	Agilent	N1911A	MY45101353	2011/01/05	2012/01/04
Power Sensor	Agilent	N1921A	MY45241670	2011/01/05	2012/01/04

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

3.2. Test Setup

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



3.3. Test procedures

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

3.4. Limits

The maximum peak power shall be less 1 Watt.

3.5. Test Specification

According to FCC Part 15 Subpart C Paragraph 15.247: 2010

3.6. Uncertainty

The measurement uncertainty is defined as ± 1.27 dB.

3.7. Test Result

Product	Dual-band Wireless-N Ethernet Adapter		
Test Item	Peak Power Output		
Test Mode	Mode 1: Transmit (Adapter: DVE)		
Date of Test	2011/11/25	Test Site	SR7

IEEE 802.11b				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
1	2412	26.20	1Watt= 30 dBm	Pass
6	2437	26.40	1Watt= 30 dBm	Pass
11	2462	25.70	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	26.20	--	--	-	1Watt= 30 dBm
6	2437	26.40	25.98	25.78	25.27	1Watt= 30 dBm
11	2462	25.70	--	--	-	1Watt= 30 dBm

Note: Measure Level =Reading value + cable loss

Product	Dual-band Wireless-N Ethernet Adapter		
Test Item	Peak Power Output		
Test Mode	Mode 1: Transmit (Adapter: DVE)		
Date of Test	2011/11/25	Test Site	SR7

IEEE 802.11g				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
1	2412	27.00	1Watt= 30 dBm	Pass
6	2437	28.50	1Watt= 30 dBm	Pass
11	2462	29.30	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	27.00	--	--	-	--	--	-	1Watt= 30 dBm
6	2437	28.50	28.09	27.95	27.67	27.69	27.43	27.36	1Watt= 30 dBm
11	2462	29.30	--	--	-	--	--	-	1Watt= 30 dBm

Note: Measure Level =Reading value + cable loss

Product	Dual-band Wireless-N Ethernet Adapter		
Test Item	Peak Power Output		
Test Mode	Mode 1: Transmit (Adapter: DVE)		
Date of Test	2011/11/25	Test Site	SR7

IEEE 802.11n 20MHz (ANT 0)

Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
1	2412	24.00	1Watt= 30 dBm	Pass
6	2437	23.68	1Watt= 30 dBm	Pass
11	2462	23.99	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	24.00	--	--	-	--	--	-	--	30dBm
6	2437	23.68	23.61	23.54	23.32	23.13	23.02	22.45	22.37	30dBm
11	2462	23.99	--	--	-	--	--	-	--	30dBm

Product	Dual-band Wireless-N Ethernet Adapter		
Test Item	Peak Power Output		
Test Mode	Mode 1: Transmit (Adapter: DVE)		
Date of Test	2011/11/25	Test Site	SR7

IEEE 802.11n 20MHz (ANT 1)

Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
1	2412	24.20	1Watt= 30 dBm	Pass
6	2437	24.40	1Watt= 30 dBm	Pass
11	2462	23.91	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	
1	2412	24.20	--	--	-	--	--	-	--	30dBm
6	2437	24.40	24.35	24.31	24.22	24.20	24.12	24.06	24.01	30dBm
11	2462	23.91	--	--	-	--	--	-	--	30dBm

Product	Dual-band Wireless-N Ethernet Adapter		
Test Item	Peak Power Output		
Test Mode	Mode 1: Transmit (Adapter: DVE)		
Date of Test	2011/11/25	Test Site	SR7

IEEE 802.11n 20MHz (ANT 2)

Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
1	2412	24.00	1Watt= 30 dBm	Pass
6	2437	23.98	1Watt= 30 dBm	Pass
11	2462	24.10	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	
1	2412	24.00	--	--	-	--	--	-	--	30dBm
6	2437	23.98	23.88	23.86	23.73	23.62	23.55	23.53	23.47	30dBm
11	2462	24.10	--	--	-	--	--	-	--	30dBm

Product	Dual-band Wireless-N Ethernet Adapter		
Test Item	Peak Power Output		
Test Mode	Mode 1: Transmit (Adapter: DVE)		
Date of Test	2011/11/25	Test Site	SR7

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

Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
1	2412	28.84	1Watt= 30 dBm	Pass
6	2437	28.81	1Watt= 30 dBm	Pass
11	2462	28.78	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	28.84	--	--	-	--	--	-	--	30dBm
6	2437	28.81	28.46	28.32	28.31	28.27	28.21	28.15	28.11	30dBm
11	2462	28.78	--	--	-	--	--	-	--	30dBm

Product	Dual-band Wireless-N Ethernet Adapter		
Test Item	Peak Power Output		
Test Mode	Mode 1: Transmit (Adapter: DVE)		
Date of Test	2011/11/25	Test Site	SR7

IEEE802.11n 40MHz(ANT 0)

Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
3	2422	22.28	1Watt= 30 dBm	Pass
6	2437	23.78	1Watt= 30 dBm	Pass
9	2452	24.32	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	22.28	--	--	-	--	--	-	--	30dBm
6	2437	23.78	23.01	22.88	22.87	22.84	22.79	22.77	22.76	30dBm
9	2452	24.32	--	--	-	--	--	-	--	30dBm

Product	Dual-band Wireless-N Ethernet Adapter		
Test Item	Peak Power Output		
Test Mode	Mode 1: Transmit (Adapter: DVE)		
Date of Test	2011/11/25	Test Site	SR7

IEEE802.11n 40MHz(ANT 1)

Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
3	2422	23.70	1Watt= 30 dBm	Pass
6	2437	24.33	1Watt= 30 dBm	Pass
9	2452	24.31	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	23.70	--	--	-	--	--	-	--	30dBm
6	2437	24.33	24.12	23.92	23.88	23.71	23.66	23.59	23.58	30dBm
9	2452	24.31	--	--	-	--	--	-	--	30dBm

Product	Dual-band Wireless-N Ethernet Adapter		
Test Item	Peak Power Output		
Test Mode	Mode 1: Transmit (Adapter: DVE)		
Date of Test	2011/11/25	Test Site	SR7

IEEE802.11n 40MHz(ANT 2)

Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
3	2422	23.80	1Watt= 30 dBm	Pass
6	2437	23.54	1Watt= 30 dBm	Pass
9	2452	24.19	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	23.80	--	--	-	--	--	-	--	30dBm
6	2437	23.54	23.41	23.40	23.33	23.30	23.22	23.20	23.15	30dBm
9	2452	24.19	--	--	-	--	--	-	--	30dBm

Product	Dual-band Wireless-N Ethernet Adapter		
Test Item	Peak Power Output		
Test Mode	Mode 1: Transmit (Adapter: DVE)		
Date of Test	2011/11/25	Test Site	SR7

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

Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
3	2422	28.06	1Watt= 30 dBm	Pass
6	2437	28.67	1Watt= 30 dBm	Pass
9	2452	29.05	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	28.06	--	--	-	--	--	-	--	30dBm
6	2437	28.67	28.30	28.28	28.24	28.11	28.17	28.12	28.14	30dBm
9	2452	29.05	--	--	-	--	--	-	--	30dBm

Product	Dual-band Wireless-N Ethernet Adapter		
Test Item	Peak Power Output		
Test Mode	Mode 1: Transmit (Adapter: DVE)		
Date of Test	2011/11/25	Test Site	SR7

IEEE 802.11a				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
149	5745	27.80	1Watt= 30 dBm	Pass
157	5785	27.97	1Watt= 30 dBm	Pass
165	5825	28.34	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	
149	5745	27.80	--	--	--	--	--	--	1Watt= 30 dBm
157	5785	27.97	27.82	27.78	27.75	27.73	27.70	27.67	1Watt= 30 dBm
165	5825	28.34	--	--	--	--	--	--	1Watt= 30 dBm

Product	Dual-band Wireless-N Ethernet Adapter		
Test Item	Peak Power Output		
Test Mode	Mode 1: Transmit (Adapter: DVE)		
Date of Test	2011/11/25	Test Site	SR7

IEEE 802.11n 20MHz (ANT 0)

Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
149	5745	24.14	1Watt= 30 dBm	Pass
157	5785	23.97	1Watt= 30 dBm	Pass
165	5825	23.74	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	
149	5745	24.14	--	--	--	--	--	--	--	30dBm
157	5785	23.97	23.73	23.71	23.70	23.61	23.63	23.61	23.60	30dBm
165	5825	23.74	--	--	--	--	--	--	--	30dBm

Product	Dual-band Wireless-N Ethernet Adapter		
Test Item	Peak Power Output		
Test Mode	Mode 1: Transmit (Adapter: DVE)		
Date of Test	2011/11/25	Test Site	SR7

IEEE 802.11n 20MHz (ANT 1)

Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
149	5745	24.24	1Watt= 30 dBm	Pass
157	5785	24.17	1Watt= 30 dBm	Pass
165	5825	24.45	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	24.24	--	--	--	--	--	--	--	30dBm
157	5785	24.17	23.79	23.71	23.65	23.66	23.57	23.52	23.40	30dBm
165	5825	24.45	--	--	--	--	--	--	--	30dBm

Product	Dual-band Wireless-N Ethernet Adapter		
Test Item	Peak Power Output		
Test Mode	Mode 1: Transmit (Adapter: DVE)		
Date of Test	2011/11/25	Test Site	SR7

IEEE 802.11n 20MHz (ANT 2)

Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
149	5745	24.39	1Watt= 30 dBm	Pass
157	5785	24.47	1Watt= 30 dBm	Pass
165	5825	24.19	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	24.39	--	--	--	--	--	--	--	30dBm
157	5785	23.47	23.26	23.21	23.12	23.09	23.06	22.94	22.82	30dBm
165	5825	24.19	--	--	--	--	--	--	--	30dBm

Product	Dual-band Wireless-N Ethernet Adapter		
Test Item	Peak Power Output		
Test Mode	Mode 1: Transmit (Adapter: DVE)		
Date of Test	2011/11/25	Test Site	SR7

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

Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
149	5745	29.03	1Watt= 30 dBm	Pass
157	5785	28.98	1Watt= 30 dBm	Pass
165	5825	28.91	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	29.03	--	--	--	--	--	--	--	30dBm
157	5785	28.98	28.47	28.45	28.35	28.30	28.14	28.11	28.08	30dBm
165	5825	28.91	--	--	--	--	--	--	--	30dBm

Product	Dual-band Wireless-N Ethernet Adapter		
Test Item	Peak Power Output		
Test Mode	Mode 1: Transmit (Adapter: DVE)		
Date of Test	2011/11/25	Test Site	SR7

IEEE802.11n 40MHz(ANT 0)

Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
151	5755	24.32	1Watt= 30 dBm	Pass
159	5795	23.74	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	24.32	24.22	24.18	24.16	24.12	24.01	23.97	23.72	30dBm
159	5795	23.74	--	--	--	--	--	--	--	30dBm

Product	Dual-band Wireless-N Ethernet Adapter		
Test Item	Peak Power Output		
Test Mode	Mode 1: Transmit (Adapter: DVE)		
Date of Test	2011/11/25	Test Site	SR7

IEEE802.11n 40MHz(ANT 1)

Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
151	5755	24.45	1Watt= 30 dBm	Pass
159	5795	24.34	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	24.45	24.35	24.21	24.18	24.12	24.09	24.08	24.01	30dBm
159	5795	24.34	--	--	--	--	--	--	--	30dBm

Product	Dual-band Wireless-N Ethernet Adapter		
Test Item	Peak Power Output		
Test Mode	Mode 1: Transmit (Adapter: DVE)		
Date of Test	2011/11/25	Test Site	SR7

IEEE802.11n 40MHz(ANT 2)

Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
151	5755	24.24	1Watt= 30 dBm	Pass
159	5795	24.06	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	24.24	24.13	24.11	24.08	24.04	24.00	23.75	23.74	30dBm
159	5795	24.06	--	--	--	--	--	--	--	30dBm

Product	Dual-band Wireless-N Ethernet Adapter		
Test Item	Peak Power Output		
Test Mode	Mode 1: Transmit (Adapter: DVE)		
Date of Test	2011/11/25	Test Site	SR7

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

Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
151	5755	29.11	1Watt= 30 dBm	Pass
159	5795	28.83	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	29.11	29.04	28.63	28.63	28.57	28.55	28.54	28.51	30dBm
159	5795	28.83	--	--	--	--	--	--	--	30dBm

4. Radiated Emission

4.1. Test Equipment

The following test equipments are used during the test:

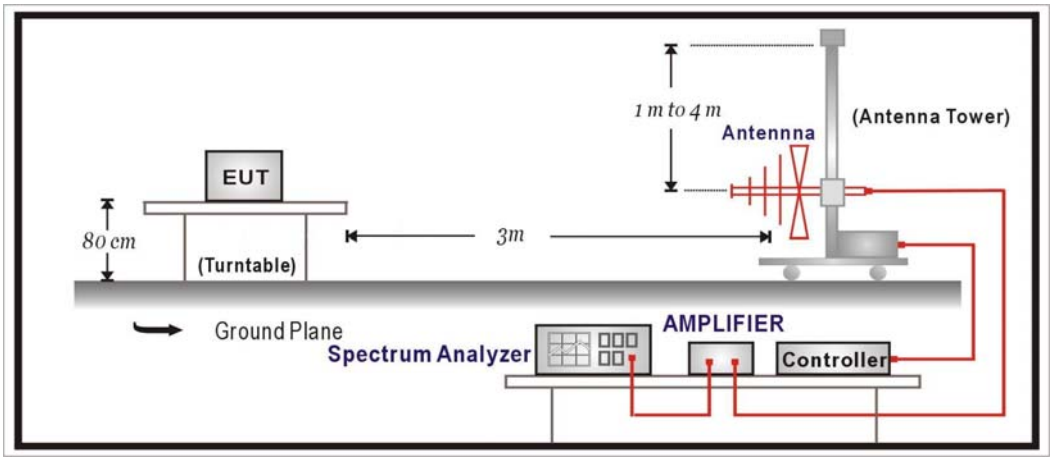
Radiated Emission / CB1

Instrument	Manufacturer	Model No.	Serial No	Cal. Date	Next Cal. Date
Bilog Antenna	SCHAFFNER	CBL6112B	2895	2011/08/15	2012/08/14
Double Ridged Guide Horn Antenna	Schwarzback	BBHA 9120D	743	2011/02/25	2012/02/24
Pre-Amplifier	MITEQ	AMF-4D-005180-24-10P	888003	2010/12/17	2011/12/16
Pre-Amplifier	QuieTek	AP-025C	CHM-0706049	2011/03/11	2012/03/10
Spectrum Analyzer	Agilent	E4440A	MY46187335	2011/01/07	2012/01/06
Coaxial Cable	Huber+Suhner AG	Sucoflex 102	25623/2	2011/03/22	2012/03/21

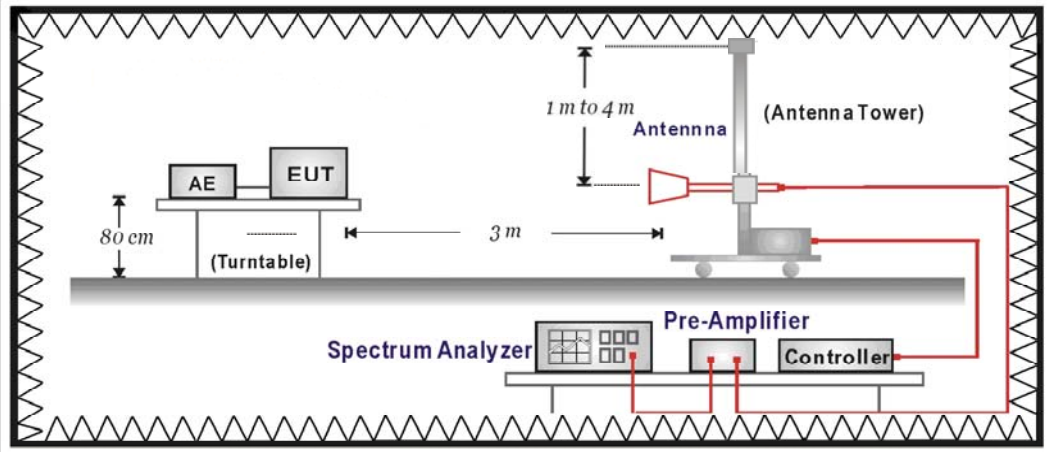
Note: 1. All equipments that need to calibrate are with calibration period of 1 year.

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.

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

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

4.4. Test Procedure

The EUT was setup according to ANSI C63.4: 2009 and tested according to DTS test procedure of Oct 2002 KDB558074 for compliance to FCC 47CFR 15.247 requirements.
The EUT and its simulators are placed on a turn table which is 0.8 meter above ground. The turn table can rotate 360 degrees to determine the position of the maximum emission level.
The antenna can move up and down between 1 meter and 4 meters to find out the maximum emission level.
Both horizontal and vertical polarization of the antenna are set on measurement. In order to find the maximum emission, all of the interface cables must be manipulated according to ANSI C63.4: 2009 on radiated measurement.
On any frequency or frequencies below or equal to 1000 MHz, the limits shown are based on measuring equipment employing a quasi-peak detector function and on any frequency or frequencies above 1000 MHz the radiated limits shown are based upon the use of measurement instrumentation employing an average detector function. When average radiated emission measurement are included emission measurement below 1000 MHz, there also is a limit on the radio frequency emissions, as measured using instrumentation with a peak detector function, corresponding to 20 dB above the maximum permitted average limit.
The bandwidth below 1GHz setting on the field strength meter is 120 kHz and above 1GHz is 1MHz.

4.5. Test Specification

According to FCC Part 15 Subpart C Paragraph 15.247: 2010

4.6. Uncertainty

The measurement uncertainty

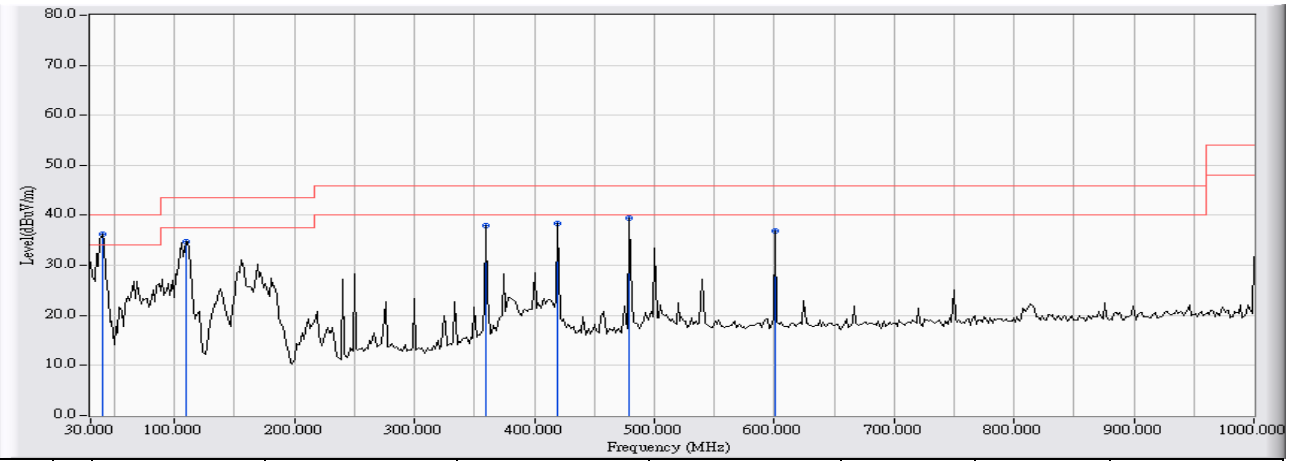
30MHz～1GHz as ±3.43dB

1GHz～26.5Ghz as ±3.65dB

4.7. Test Result

30MHz-1GHz Spurious

Site : CB1	**Time : 2011/11/24 - 19:17**
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 Ethernet Adapter	**Note : Mode 1: Transmit (Adapter: DVE) 2437MHz_802.11b**

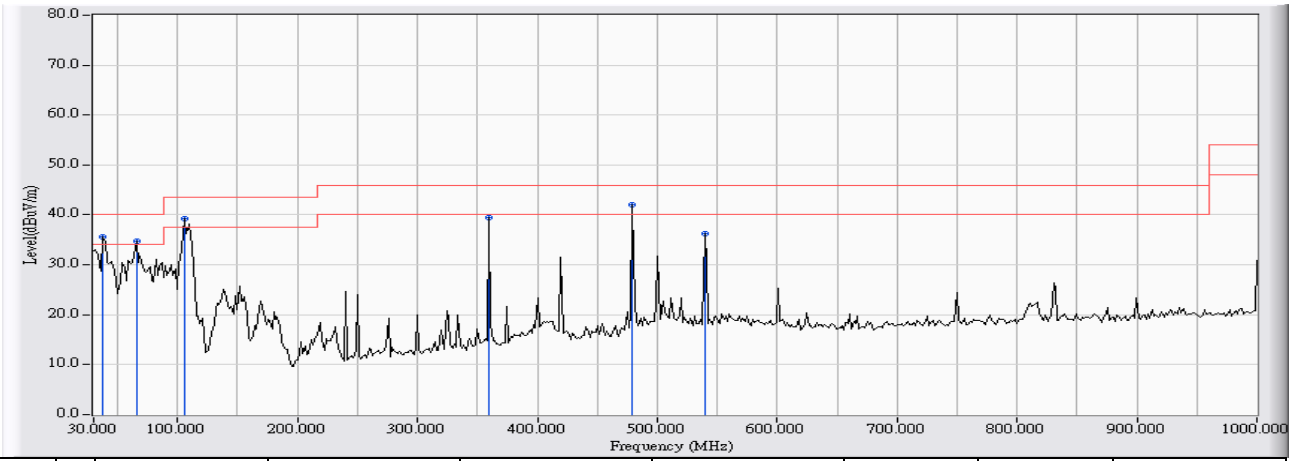


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	39.700	-12.268	48.506	35.238	-4.762	40.000	QUASIPEAK
2		109.217	-12.724	47.472	34.748	-8.752	43.500	QUASIPEAK
3		359.800	-8.530	46.536	38.005	-7.995	46.000	QUASIPEAK
4		419.617	-6.963	45.413	38.450	-7.550	46.000	QUASIPEAK
5		479.433	-5.770	45.230	39.460	-6.540	46.000	QUASIPEAK
6		600.683	-4.326	41.271	36.944	-9.056	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 : 2011/11/24 - 19:20**
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 Ethernet Adapter	**Note : Mode 1: Transmit (Adapter: DVE)** **2437MHz_802.11b**

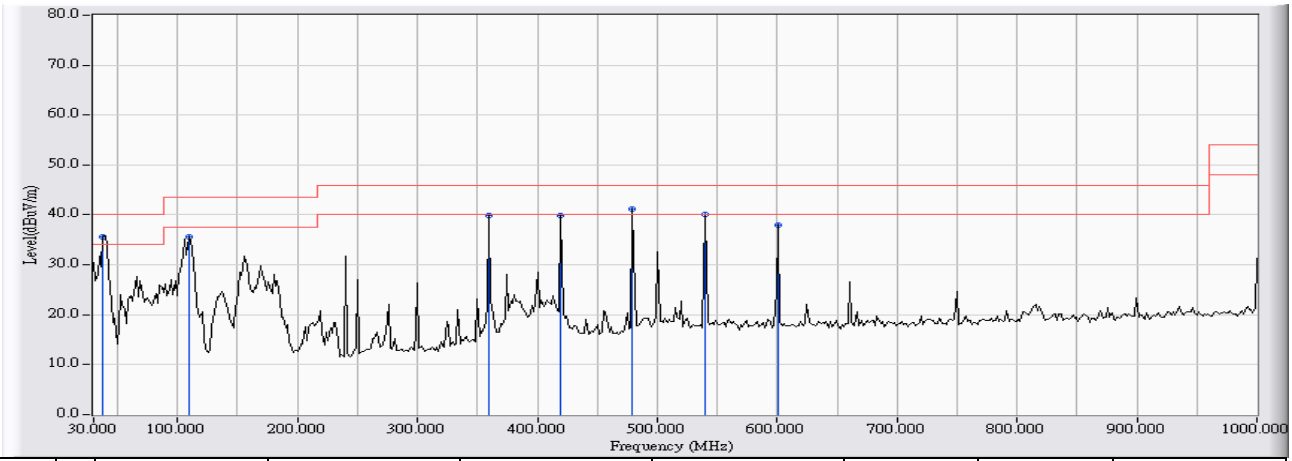


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		38.083	-11.772	47.474	35.703	-4.297	40.000	QUASIPEAK
2		65.567	-17.772	52.477	34.705	-5.295	40.000	QUASIPEAK
3		105.983	-13.004	52.168	39.164	-4.336	43.500	QUASIPEAK
4		359.800	-8.530	47.957	39.426	-6.574	46.000	QUASIPEAK
5	*	479.433	-5.770	47.751	41.981	-4.019	46.000	QUASIPEAK
6		539.250	-4.868	41.100	36.232	-9.768	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 : 2011/11/24 - 19:35**
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 Ethernet Adapter	**Note : Mode 1: Transmit (Adapter: DVE)** **2437MHz_802.11g**

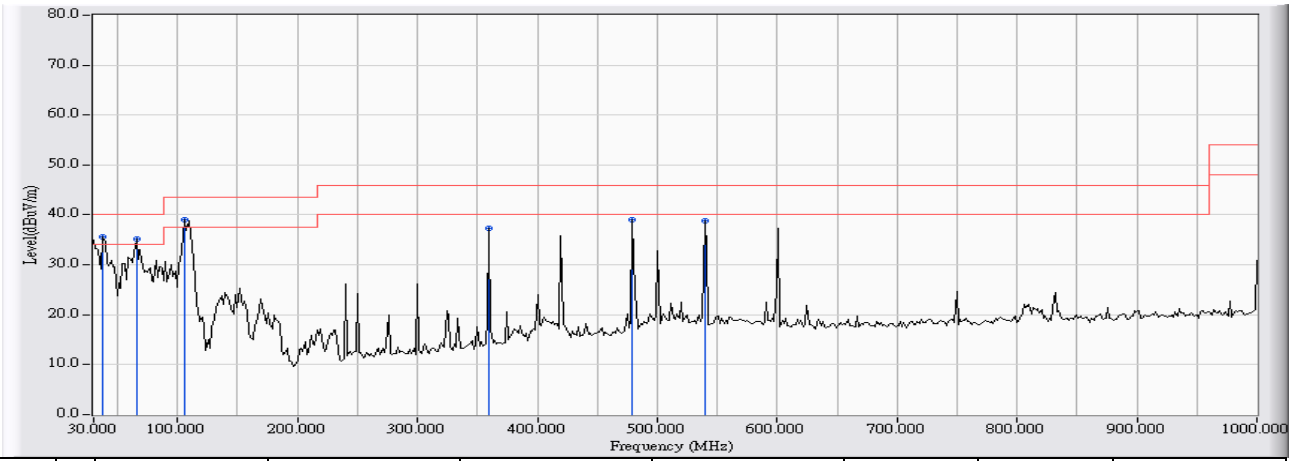


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	38.083	-11.772	47.313	35.542	-4.458	40.000	QUASIPEAK
2		109.217	-12.724	48.227	35.503	-7.997	43.500	QUASIPEAK
3		359.800	-8.530	48.507	39.976	-6.024	46.000	QUASIPEAK
4		419.617	-6.963	46.753	39.790	-6.210	46.000	QUASIPEAK
5		479.433	-5.770	47.040	41.270	-4.730	46.000	QUASIPEAK
6		539.250	-4.868	45.029	40.161	-5.839	46.000	QUASIPEAK
7		600.683	-4.326	42.235	37.908	-8.092	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 : 2011/11/24 - 19:38**
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 Ethernet Adapter	**Note : Mode 1: Transmit (Adapter: DVE)** **2437MHz_802.11g**

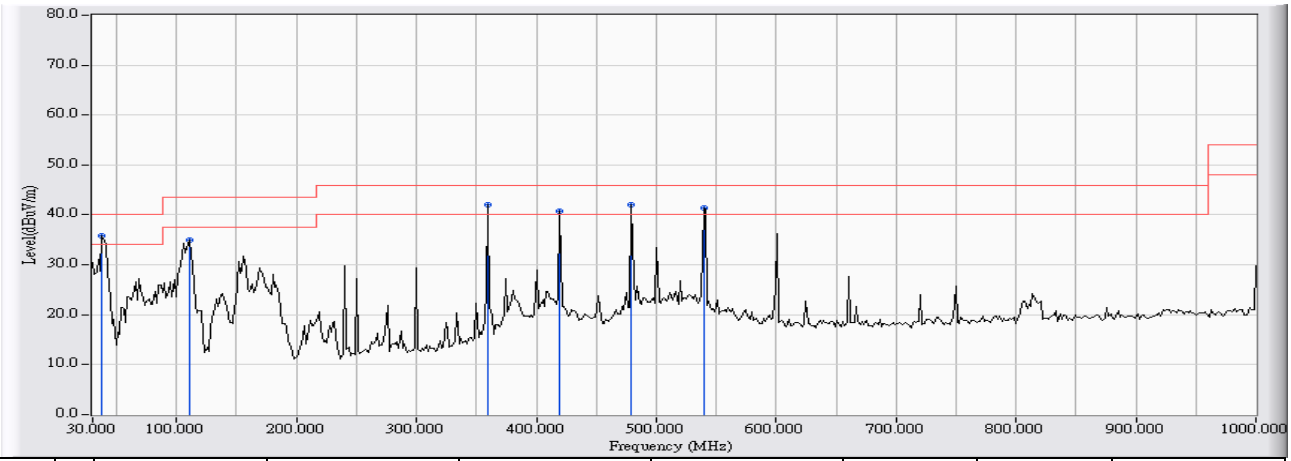


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		38.083	-11.772	47.391	35.620	-4.380	40.000	QUASIPEAK
2		65.567	-17.772	52.947	35.175	-4.825	40.000	QUASIPEAK
3	*	105.983	-13.004	52.143	39.139	-4.361	43.500	QUASIPEAK
4		359.800	-8.530	45.784	37.253	-8.747	46.000	QUASIPEAK
5		479.433	-5.770	44.779	39.009	-6.991	46.000	QUASIPEAK
6		539.250	-4.868	43.719	38.851	-7.149	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 : 2011/11/24 - 19:43**
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 Ethernet Adapter	**Note : Mode 1: Transmit (Adapter: DVE)** **2437MHz_802.11n20**

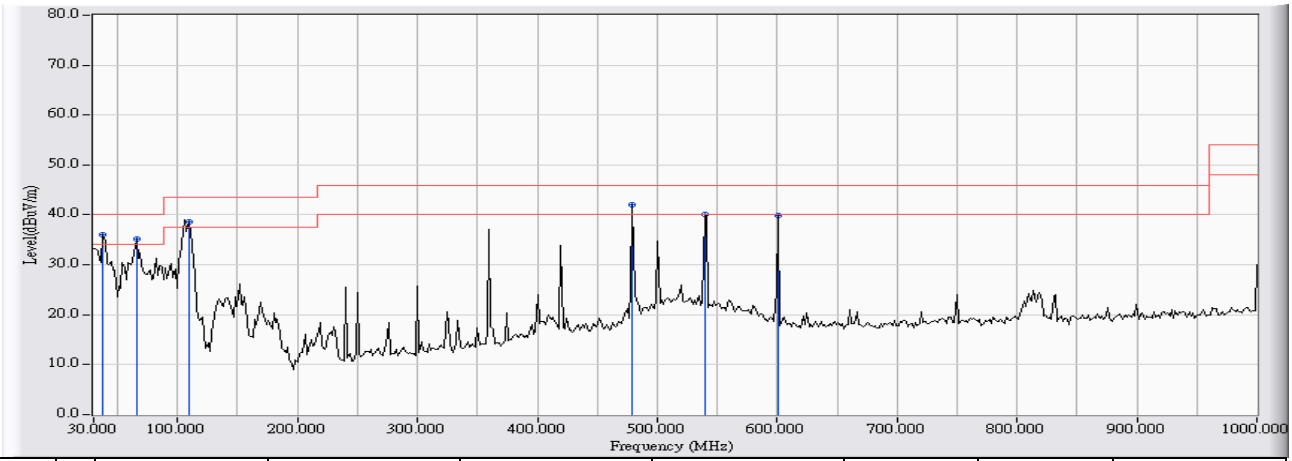


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		38.083	-11.772	47.645	35.874	-4.126	40.000	QUASIPEAK
2		110.833	-12.584	47.557	34.973	-8.527	43.500	QUASIPEAK
3		359.800	-8.530	50.475	41.944	-4.056	46.000	QUASIPEAK
4		419.617	-6.963	47.647	40.684	-5.316	46.000	QUASIPEAK
5	*	479.433	-5.770	47.713	41.943	-4.057	46.000	QUASIPEAK
6		539.250	-4.868	46.346	41.478	-4.522	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 : 2011/11/24 - 19:47**
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 Ethernet Adapter	**Note : Mode 1: Transmit (Adapter: DVE)** **2437MHz_802.11n20**

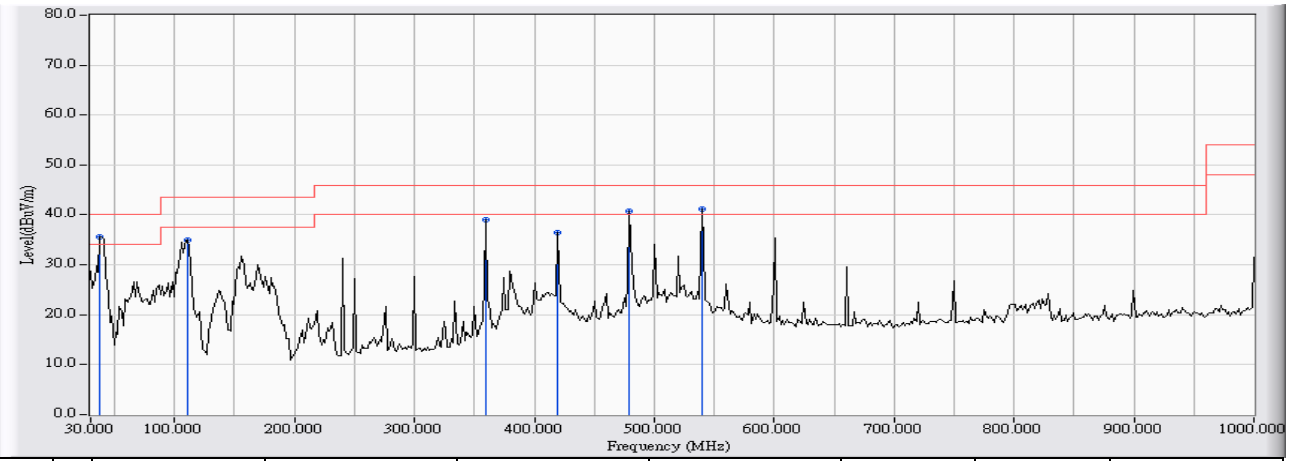


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	38.083	-11.772	47.753	35.982	-4.018	40.000	QUASIPEAK
2		65.567	-17.772	52.867	35.095	-4.905	40.000	QUASIPEAK
3		109.217	-12.724	51.396	38.672	-4.828	43.500	QUASIPEAK
4		479.433	-5.770	47.712	41.942	-4.058	46.000	QUASIPEAK
5		539.250	-4.868	45.035	40.167	-5.833	46.000	QUASIPEAK
6		600.683	-4.326	44.145	39.818	-6.182	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 : 2011/11/24 - 20:01**
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 Ethernet Adapter	**Note : Mode 1: Transmit (Adapter: DVE)** **2437MHz_802.11n40**

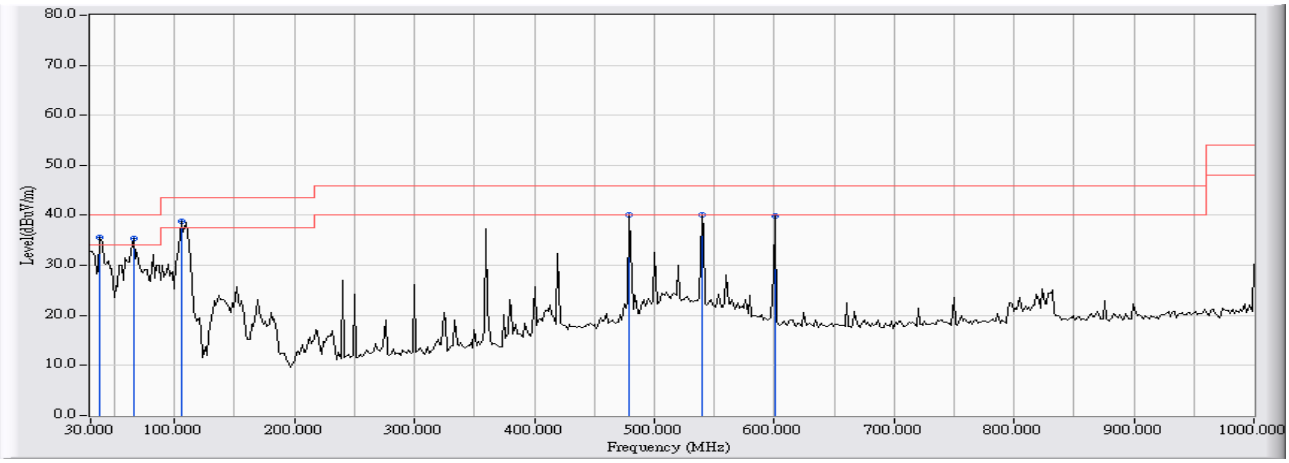


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	38.083	-11.772	47.336	35.565	-4.435	40.000	QUASIPEAK
2		110.833	-12.584	47.536	34.952	-8.548	43.500	QUASIPEAK
3		359.800	-8.530	47.532	39.001	-6.999	46.000	QUASIPEAK
4		419.617	-6.963	43.488	36.525	-9.475	46.000	QUASIPEAK
5		479.433	-5.770	46.475	40.705	-5.295	46.000	QUASIPEAK
6		539.250	-4.868	46.118	41.250	-4.750	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 : 2011/11/24 - 20:04**
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 Ethernet Adapter	**Note : Mode 1: Transmit (Adapter: DVE) 2437MHz_802.11n40**

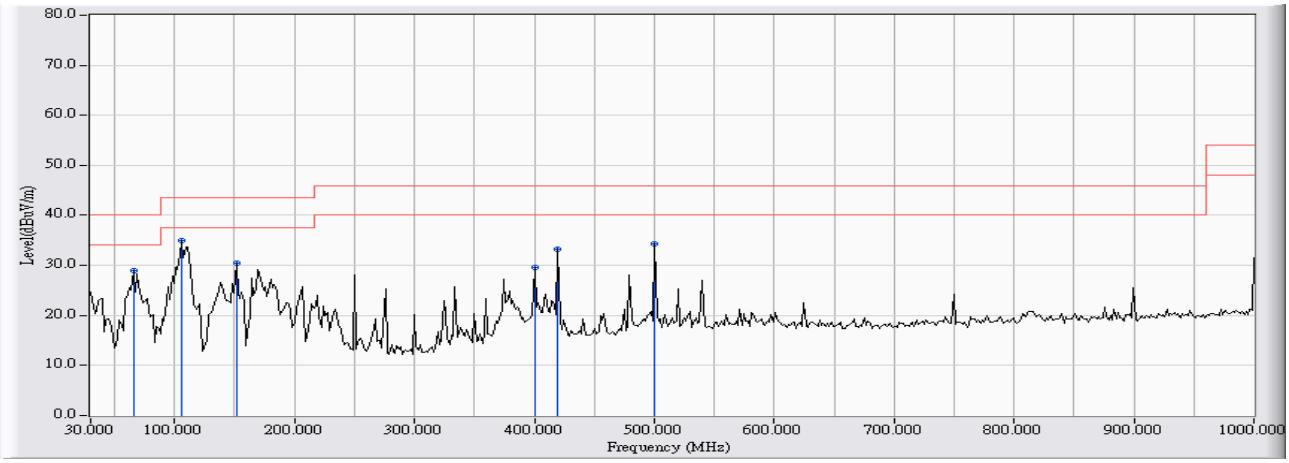


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	38.083	-11.772	47.368	35.597	-4.403	40.000	QUASIPEAK
2		65.567	-17.772	53.128	35.356	-4.644	40.000	QUASIPEAK
3		105.983	-13.004	51.804	38.800	-4.700	43.500	QUASIPEAK
4		479.433	-5.770	45.772	40.002	-5.998	46.000	QUASIPEAK
5		539.250	-4.868	44.955	40.087	-5.913	46.000	QUASIPEAK
6		600.683	-4.326	44.156	39.829	-6.171	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 : 2011/11/24 - 16:07**
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 Ethernet Adapter	**Note : Mode 2: Transmit (Adapter: PHIHONG) 2437MHz_802.11b**

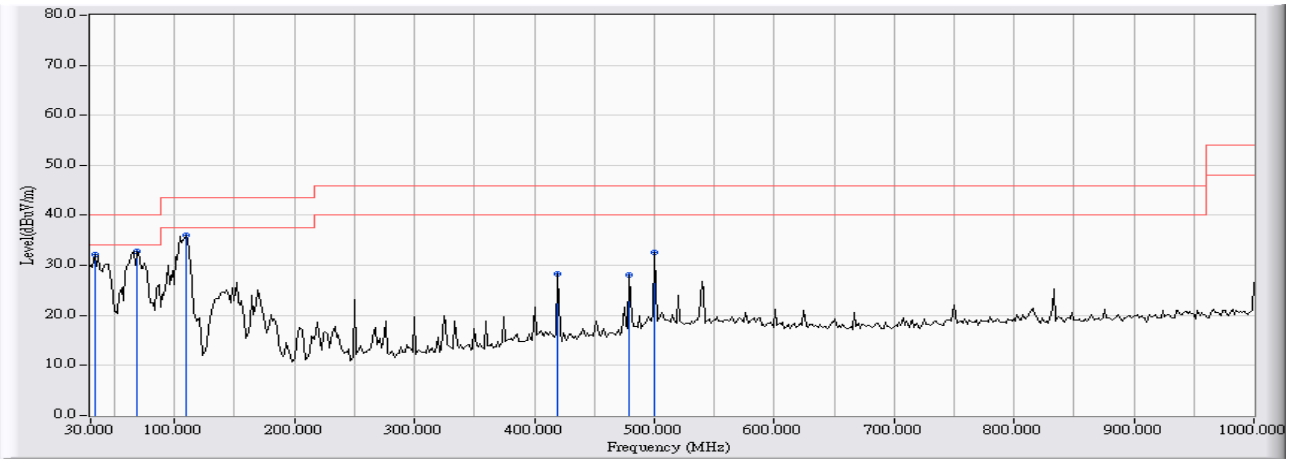


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		65.567	-17.772	46.631	28.859	-11.141	40.000	QUASIPEAK
2	*	105.983	-13.004	48.058	35.054	-8.446	43.500	QUASIPEAK
3		151.250	-13.510	43.865	30.355	-13.145	43.500	QUASIPEAK
4		400.217	-7.367	37.016	29.650	-16.350	46.000	QUASIPEAK
5		419.617	-6.963	40.156	33.193	-12.807	46.000	QUASIPEAK
6		500.450	-5.372	39.618	34.247	-11.753	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 : 2011/11/24 - 16:14**
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 Ethernet Adapter	**Note : Mode 2: Transmit (Adapter: PHIHONG) 2437MHz_802.11b**

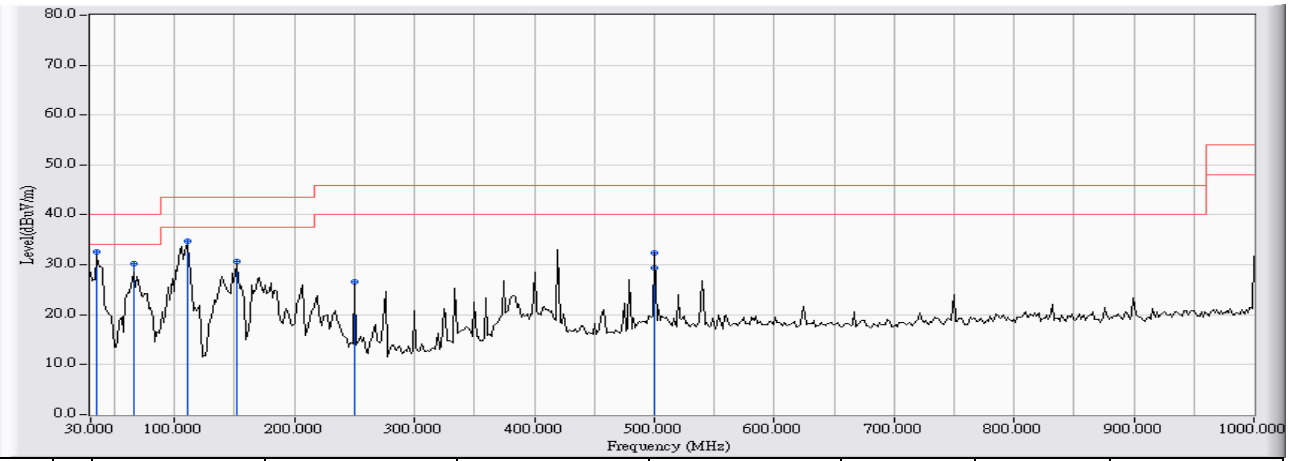


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		33.233	-10.505	42.780	32.275	-7.725	40.000	QUASIPEAK
2	*	68.800	-17.759	50.473	32.713	-7.287	40.000	QUASIPEAK
3		109.217	-12.724	48.749	36.025	-7.475	43.500	QUASIPEAK
4		419.617	-6.963	35.212	28.249	-17.751	46.000	QUASIPEAK
5		479.433	-5.770	33.860	28.090	-17.910	46.000	QUASIPEAK
6		500.450	-5.372	37.901	32.530	-13.470	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 : 2011/11/24 - 16:32**
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 Ethernet Adapter	**Note : Mode 2: Transmit (Adapter: PHIHONG) 2437MHz_802.11g**

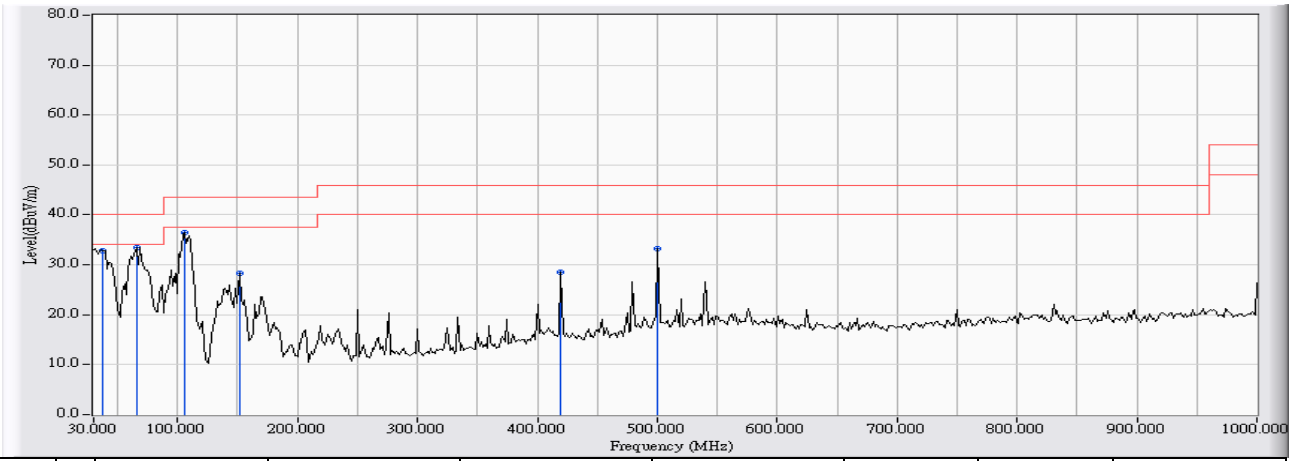


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	34.850	-10.798	43.334	32.536	-7.464	40.000	QUASIPEAK
2		65.567	-17.772	47.983	30.211	-9.789	40.000	QUASIPEAK
3		110.833	-12.584	47.223	34.639	-8.861	43.500	QUASIPEAK
4		151.250	-13.510	44.164	30.654	-12.846	43.500	QUASIPEAK
5		249.867	-11.083	37.693	26.610	-19.390	46.000	QUASIPEAK
6		500.450	-5.372	37.684	32.313	-13.687	46.000	QUASIPEAK
7		500.450	-5.372	34.775	29.404	-16.596	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 : 2011/11/24 - 16:34**
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 Ethernet Adapter	**Note : Mode 2: Transmit (Adapter: PHIHONG) 2437MHz_802.11g**

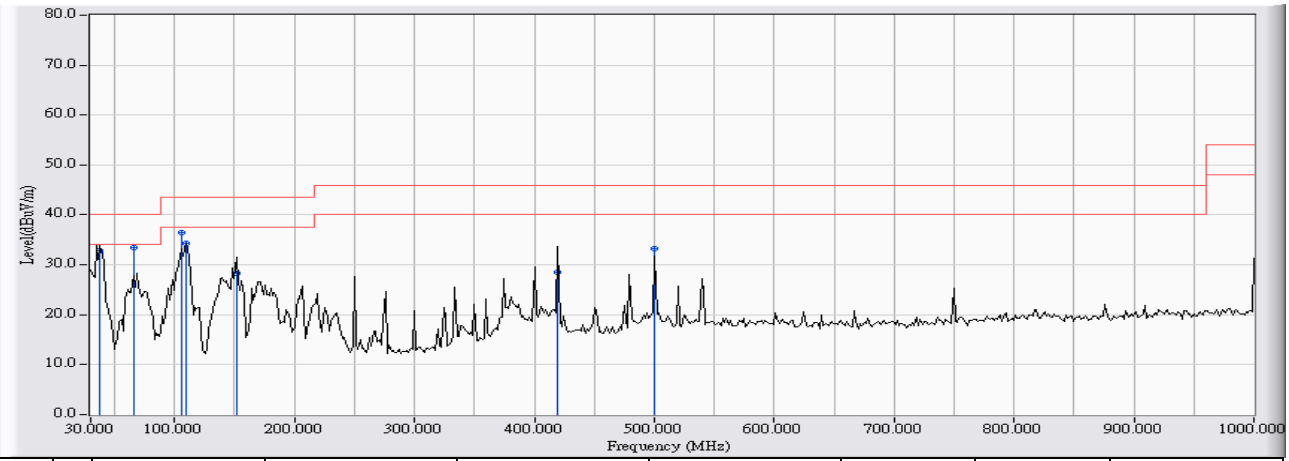


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		38.083	-11.772	44.680	32.909	-7.091	40.000	QUASIPEAK
2	*	65.567	-17.772	51.297	33.525	-6.475	40.000	QUASIPEAK
3		105.983	-13.004	49.404	36.400	-7.100	43.500	QUASIPEAK
4		151.250	-13.510	41.764	28.254	-15.246	43.500	QUASIPEAK
5		419.617	-6.963	35.460	28.497	-17.503	46.000	QUASIPEAK
6		500.450	-5.372	38.593	33.222	-12.778	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 : 2011/11/24 - 16:41**
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 Ethernet Adapter	**Note : Mode 2: Transmit (Adapter: PHIHONG) 2437MHz_802.11n20**

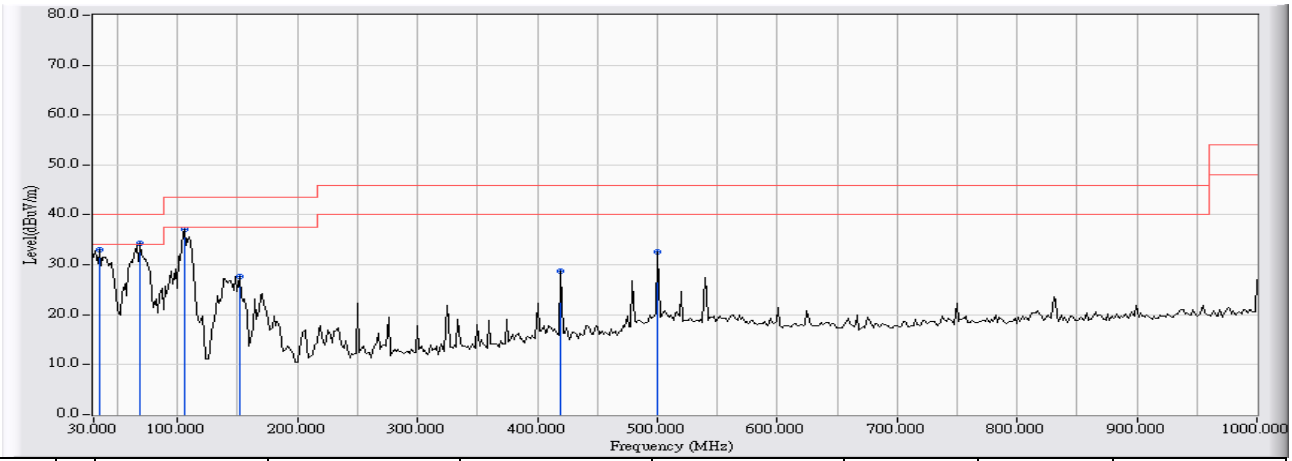


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		38.083	-11.772	44.680	32.909	-7.091	40.000	QUASIPEAK
2	*	65.567	-17.772	51.297	33.525	-6.475	40.000	QUASIPEAK
3		105.983	-13.004	49.404	36.400	-7.100	43.500	QUASIPEAK
4		109.217	-12.724	46.973	34.249	-9.251	43.500	QUASIPEAK
5		151.250	-13.510	41.764	28.254	-15.246	43.500	QUASIPEAK
6		419.617	-6.963	35.460	28.497	-17.503	46.000	QUASIPEAK
7		500.450	-5.372	38.593	33.222	-12.778	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 : 2011/11/24 - 16:45**
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 Ethernet Adapter	**Note : Mode 2: Transmit (Adapter: PHIHONG) 2437MHz_802.11n20**

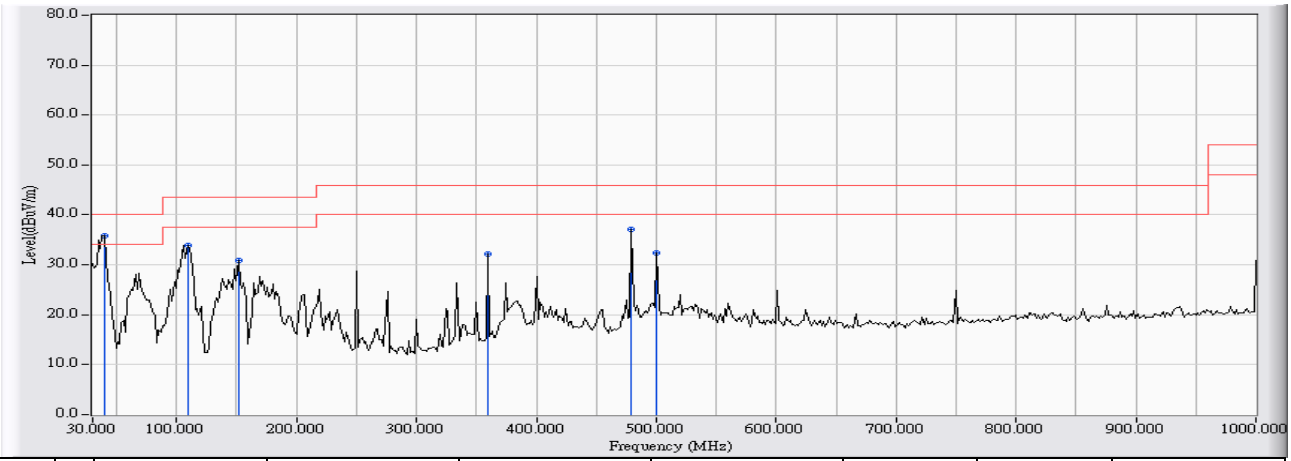


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		34.850	-10.798	43.721	32.923	-7.077	40.000	QUASIPEAK
2	*	68.800	-17.759	52.059	34.299	-5.701	40.000	QUASIPEAK
3		105.983	-13.004	50.083	37.079	-6.421	43.500	QUASIPEAK
4		151.250	-13.510	41.209	27.699	-15.801	43.500	QUASIPEAK
5		419.617	-6.963	35.761	28.798	-17.202	46.000	QUASIPEAK
6		500.450	-5.372	37.975	32.604	-13.396	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 : 2011/11/24 - 16:59**
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 Ethernet Adapter	**Note : Mode 2: Transmit (Adapter: PHIHONG) 2437MHz_802.11n40**

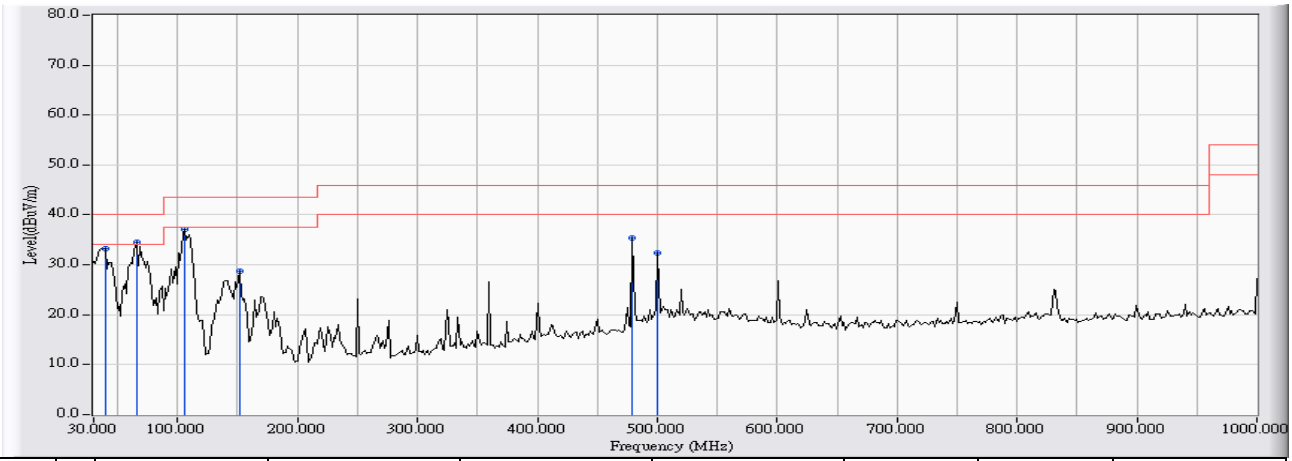


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	39.700	-12.268	48.010	35.742	-4.258	40.000	QUASIPEAK
2		109.217	-12.724	46.506	33.782	-9.718	43.500	QUASIPEAK
3		151.250	-13.510	44.459	30.949	-12.551	43.500	QUASIPEAK
4		359.800	-8.530	40.598	32.067	-13.933	46.000	QUASIPEAK
5		479.433	-5.770	42.955	37.185	-8.815	46.000	QUASIPEAK
6		500.450	-5.372	37.713	32.342	-13.658	46.000	QUASIPEAK

Note:

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

Site : CB1	**Time : 2011/11/24 - 17:04**
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 Ethernet Adapter	**Note : Mode 2: Transmit (Adapter: PHIHONG) 2437MHz_802.11n40**

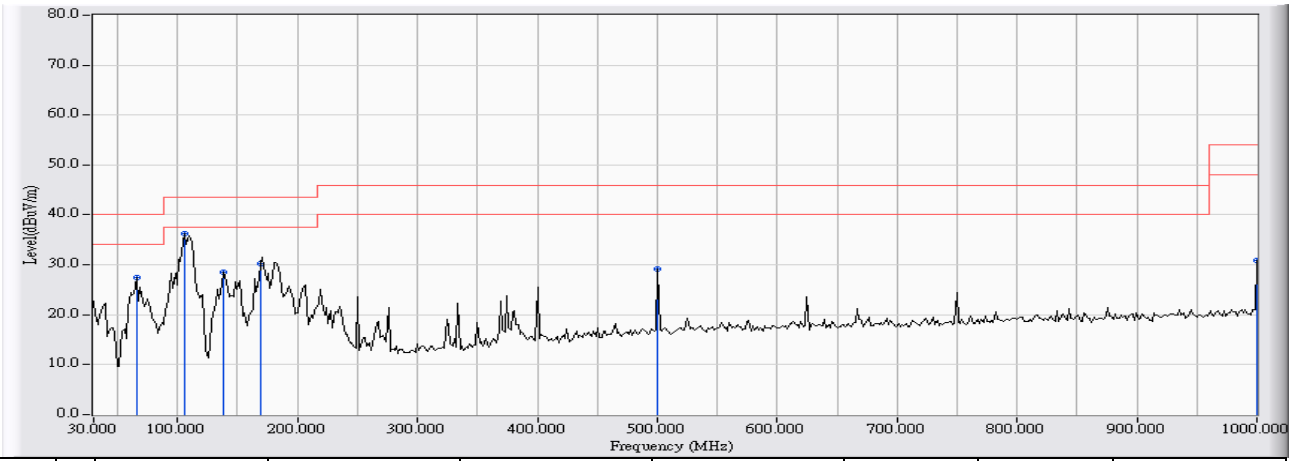


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		39.700	-12.268	45.467	33.199	-6.801	40.000	QUASIPEAK
2	*	65.567	-17.772	52.233	34.461	-5.539	40.000	QUASIPEAK
3		105.983	-13.004	50.156	37.152	-6.348	43.500	QUASIPEAK
4		151.250	-13.510	42.145	28.635	-14.865	43.500	QUASIPEAK
5		479.433	-5.770	41.189	35.419	-10.581	46.000	QUASIPEAK
6		500.450	-5.372	37.759	32.388	-13.612	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 : 2011/11/25 - 09:13**
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 Ethernet Adapter	**Note : Mode 1: Transmit (Adapter: DVE) 5785MHz_802.11a**

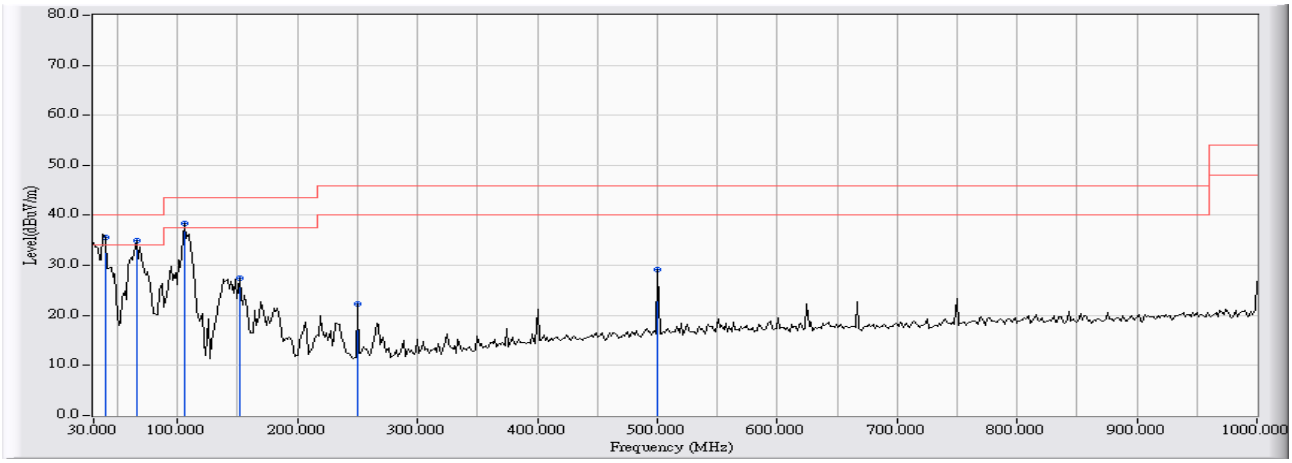


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		65.567	-17.772	45.247	27.475	-12.525	40.000	QUASIPEAK
2	*	105.983	-13.004	49.211	36.207	-7.293	43.500	QUASIPEAK
3		138.317	-12.849	41.472	28.624	-14.876	43.500	QUASIPEAK
4		169.033	-14.286	44.454	30.167	-13.333	43.500	QUASIPEAK
5		500.450	-5.372	34.642	29.271	-16.729	46.000	QUASIPEAK
6		1000.000	-0.931	31.751	30.820	-23.180	54.000	QUASIPEAK

Note:

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

Site : CB1	**Time : 2011/11/25 - 09:17**
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 Ethernet Adapter	**Note : Mode 1: Transmit (Adapter: DVE)** **5785MHz_802.11a**

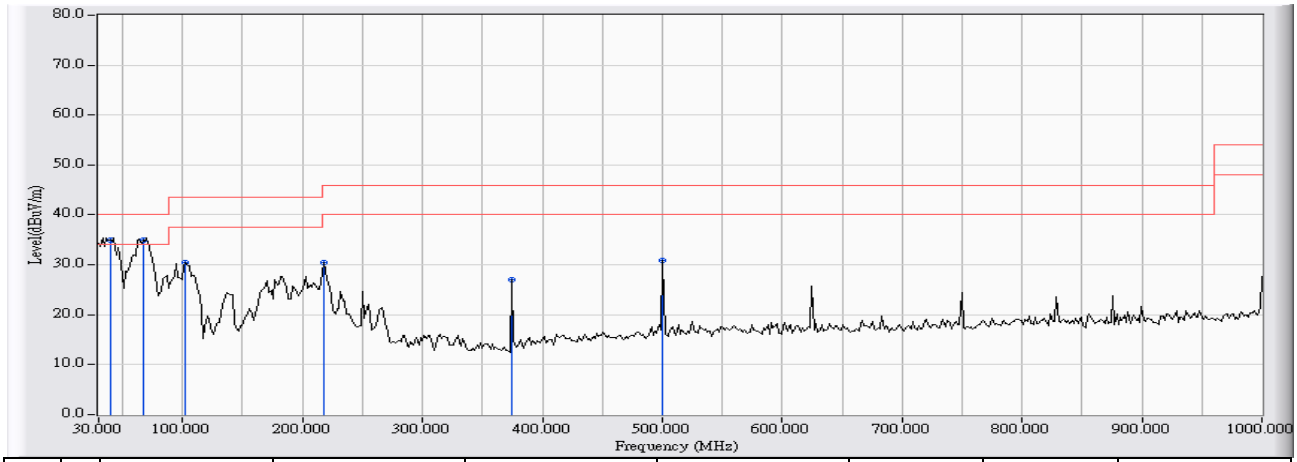


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	39.700	-12.268	47.829	35.561	-4.439	40.000	QUASIPEAK
2		65.567	-17.772	52.717	34.945	-5.055	40.000	QUASIPEAK
3		105.983	-13.004	51.427	38.423	-5.077	43.500	QUASIPEAK
4		151.250	-13.510	40.949	27.439	-16.061	43.500	QUASIPEAK
5		249.867	-11.083	33.434	22.351	-23.649	46.000	QUASIPEAK
6		500.450	-5.372	34.641	29.270	-16.730	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 : 2011/11/25 - 09:34**
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 Ethernet Adapter	**Note : Mode 1: Transmit (Adapter: DVE)** **5785MHz_802.11n20**

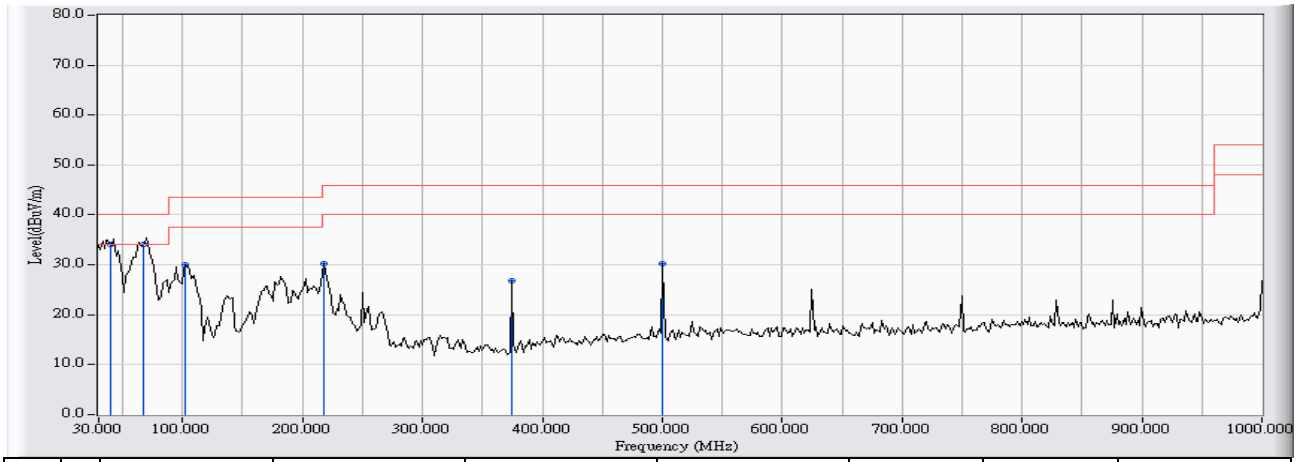


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	39.704	-12.268	47.190	34.922	-5.078	40.000	QUASIPEAK
2		67.176	-17.766	52.682	34.916	-5.084	40.000	QUASIPEAK
3		102.742	-13.285	43.795	30.510	-12.990	43.500	QUASIPEAK
4		217.535	-13.435	43.901	30.466	-15.534	46.000	QUASIPEAK
5		374.350	-8.111	35.065	26.954	-19.046	46.000	QUASIPEAK
6		500.442	-5.372	36.293	30.921	-15.079	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 : 2011/11/25 - 09:44**
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 Ethernet Adapter	**Note : Mode 1: Transmit (Adapter: DVE)** **5785MHz_802.11n20**

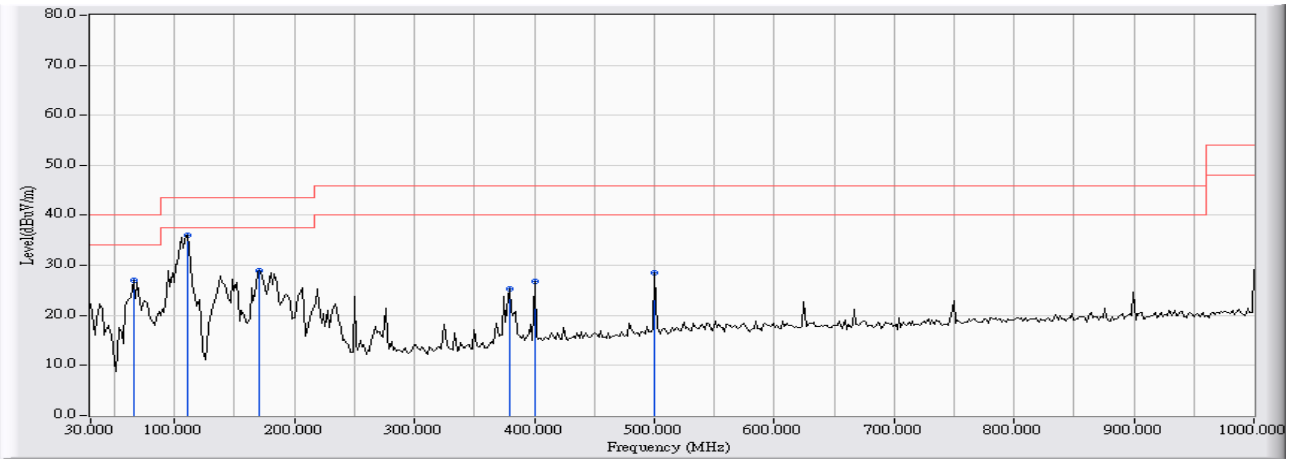


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	39.694	-12.268	46.351	34.083	-5.917	40.000	QUASIPEAK
2		67.175	-17.766	51.774	34.008	-5.992	40.000	QUASIPEAK
3		102.751	-13.285	43.235	29.950	-13.550	43.500	QUASIPEAK
4		217.536	-13.435	43.684	30.249	-15.751	46.000	QUASIPEAK
5		374.354	-8.111	34.903	26.792	-19.208	46.000	QUASIPEAK
6		500.445	-5.372	35.566	30.194	-15.806	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 : 2011/11/25 - 10:02**
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 Ethernet Adapter	**Note : Mode 1: Transmit (Adapter: DVE)** **5755MHz_802.11n40**

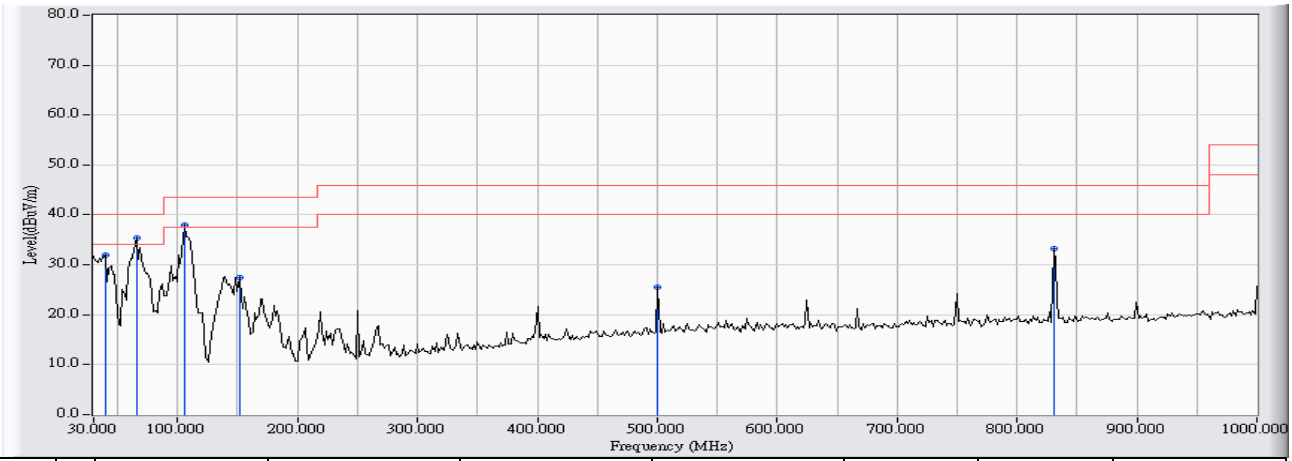


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		65.567	-17.772	44.899	27.127	-12.873	40.000	QUASIPEAK
2	*	110.833	-12.584	48.532	35.948	-7.552	43.500	QUASIPEAK
3		170.650	-14.349	43.328	28.978	-14.522	43.500	QUASIPEAK
4		379.200	-7.972	33.325	25.354	-20.646	46.000	QUASIPEAK
5		400.217	-7.367	34.157	26.791	-19.209	46.000	QUASIPEAK
6		500.450	-5.372	33.992	28.621	-17.379	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 : 2011/11/25 - 10:06**
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 Ethernet Adapter	**Note : Mode 1: Transmit (Adapter: DVE)** **5755MHz_802.11n40**

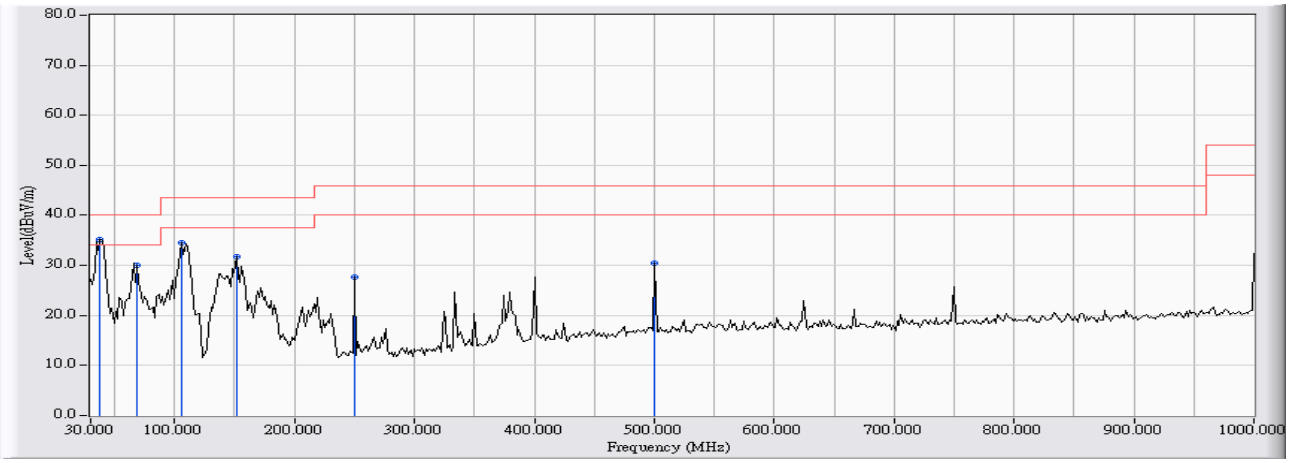


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		39.700	-12.268	44.170	31.902	-8.098	40.000	QUASIPEAK
2	*	65.567	-17.772	53.187	35.415	-4.585	40.000	QUASIPEAK
3		105.983	-13.004	50.922	37.918	-5.582	43.500	QUASIPEAK
4		151.250	-13.510	41.017	27.507	-15.993	43.500	QUASIPEAK
5		500.450	-5.372	30.990	25.619	-20.381	46.000	QUASIPEAK
6		830.250	-2.453	35.686	33.234	-12.766	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 : 2011/11/24 - 18:14**
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 Ethernet Adapter	**Note : Mode 2: Transmit (Adapter: PHIHONG) 5785MHz_802.11a**

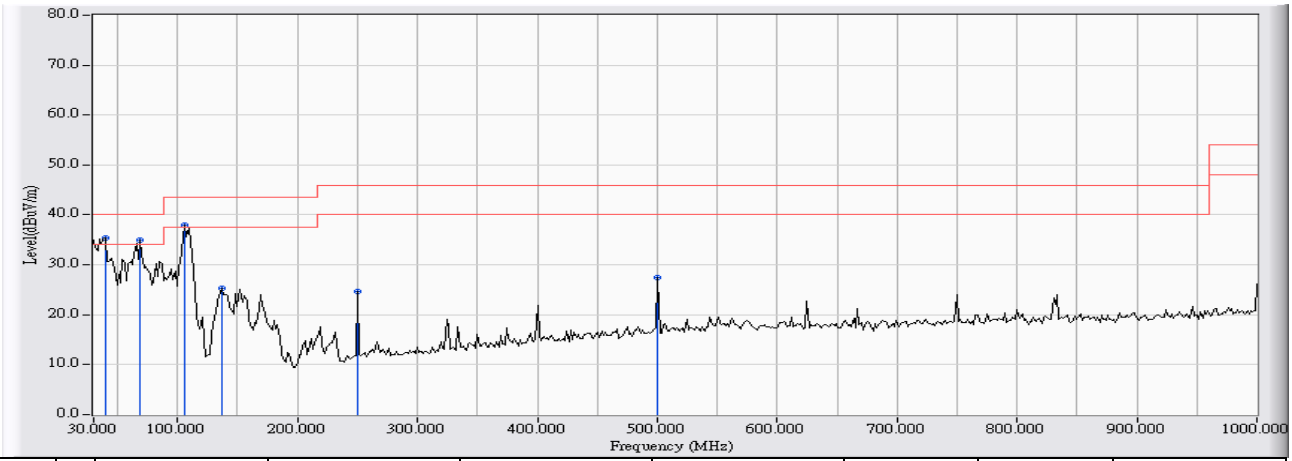


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	38.083	-11.772	46.984	35.213	-4.787	40.000	QUASIPEAK
2		68.800	-17.759	47.724	29.964	-10.036	40.000	QUASIPEAK
3		105.983	-13.004	47.625	34.621	-8.879	43.500	QUASIPEAK
4		151.250	-13.510	45.339	31.829	-11.671	43.500	QUASIPEAK
5		249.867	-11.083	38.741	27.658	-18.342	46.000	QUASIPEAK
6		500.450	-5.372	35.921	30.550	-15.450	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 : 2011/11/24 - 18:17**
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 Ethernet Adapter	**Note : Mode 2: Transmit (Adapter: PHIHONG) 5785MHz_802.11a**

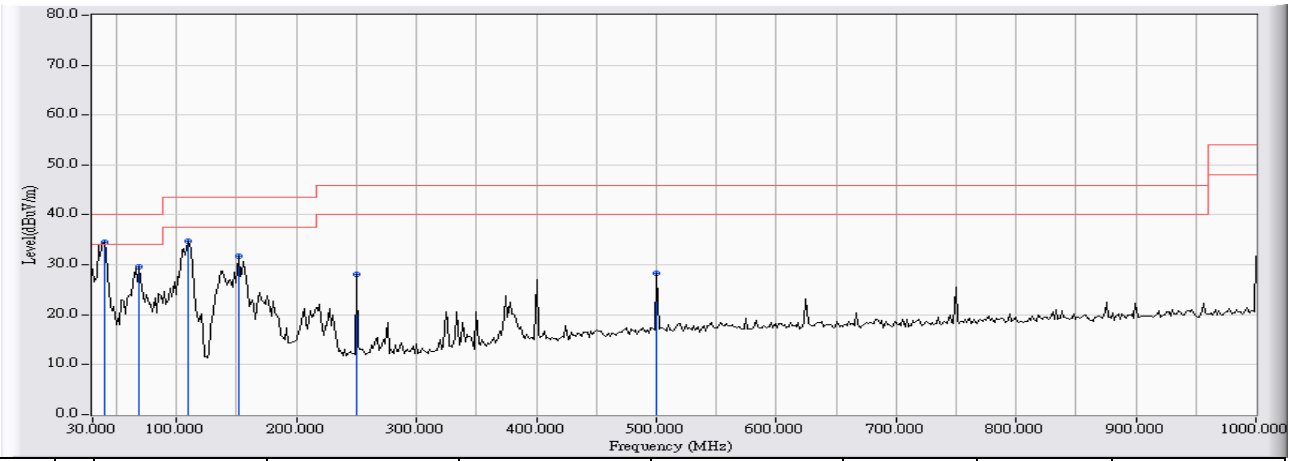


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	39.700	-12.268	47.689	35.421	-4.579	40.000	QUASIPEAK
2		68.800	-17.759	52.613	34.853	-5.147	40.000	QUASIPEAK
3		105.983	-13.004	51.036	38.032	-5.468	43.500	QUASIPEAK
4		136.700	-12.755	37.975	25.220	-18.280	43.500	QUASIPEAK
5		249.867	-11.083	35.821	24.738	-21.262	46.000	QUASIPEAK
6		500.450	-5.372	32.858	27.487	-18.513	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 : 2011/11/24 - 18:35**
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 Ethernet Adapter	**Note : Mode 2: Transmit (Adapter: PHIHONG) 5785MHz_802.11n20**

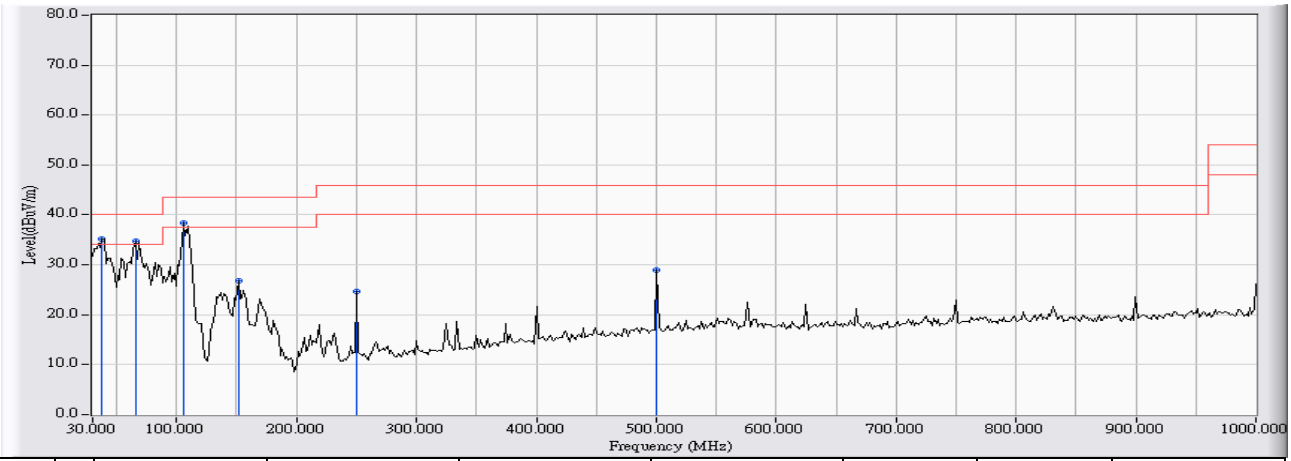


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	39.700	-12.268	46.766	34.498	-5.502	40.000	QUASIPEAK
2		68.800	-17.759	47.462	29.702	-10.298	40.000	QUASIPEAK
3		109.217	-12.724	47.449	34.725	-8.775	43.500	QUASIPEAK
4		151.250	-13.510	45.340	31.830	-11.670	43.500	QUASIPEAK
5		249.867	-11.083	39.199	28.116	-17.884	46.000	QUASIPEAK
6		500.450	-5.372	33.741	28.370	-17.630	46.000	QUASIPEAK

Note:

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

Site : CB1	**Time : 2011/11/24 - 18:39**
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 Ethernet Adapter	**Note : Mode 2: Transmit (Adapter: PHIHONG) 5785MHz_802.11n20**

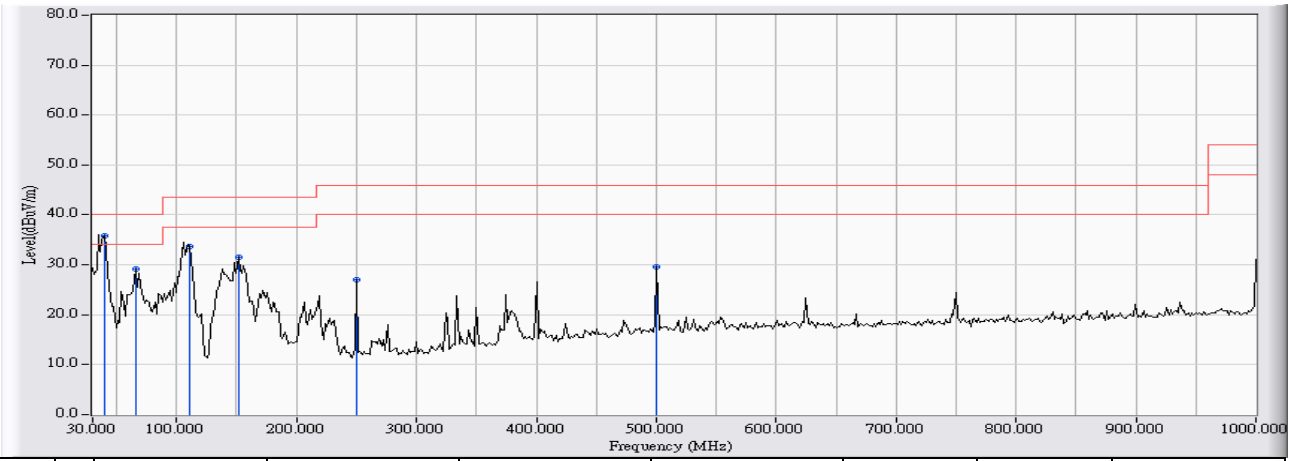


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	38.083	-11.772	46.854	35.083	-4.917	40.000	QUASIPEAK
2		65.567	-17.772	52.585	34.813	-5.187	40.000	QUASIPEAK
3		105.983	-13.004	51.430	38.426	-5.074	43.500	QUASIPEAK
4		151.250	-13.510	40.287	26.777	-16.723	43.500	QUASIPEAK
5		249.867	-11.083	35.658	24.575	-21.425	46.000	QUASIPEAK
6		500.450	-5.372	34.378	29.007	-16.993	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 : 2011/11/24 - 18:54**
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 Ethernet Adapter	**Note : Mode 2: Transmit (Adapter: PHIHONG) 5755MHz_802.11n40**

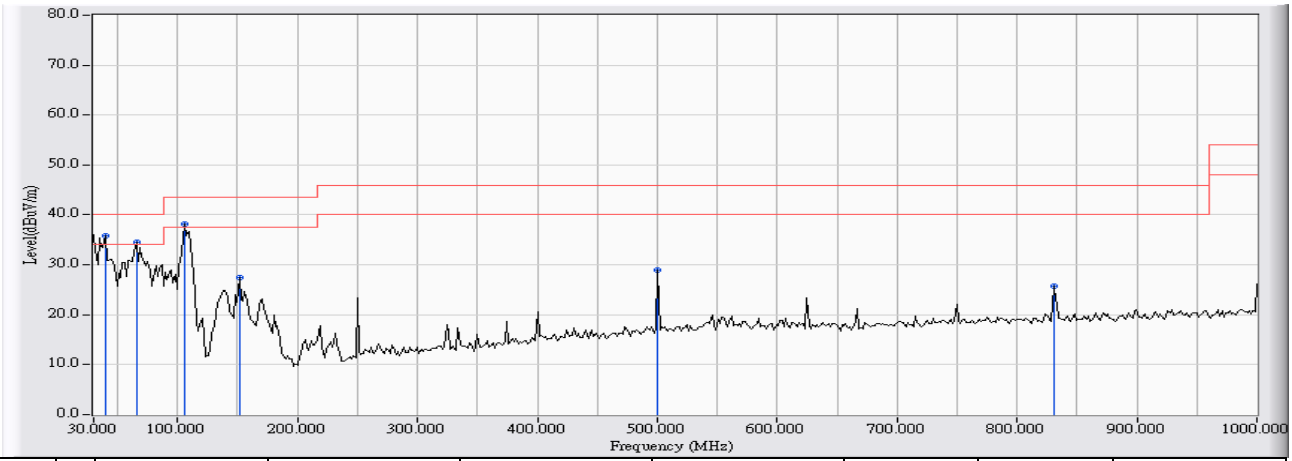


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	39.700	-12.268	48.054	35.786	-4.214	40.000	QUASIPEAK
2		65.567	-17.772	46.917	29.145	-10.855	40.000	QUASIPEAK
3		110.833	-12.584	46.226	33.642	-9.858	43.500	QUASIPEAK
4		151.250	-13.510	45.091	31.581	-11.919	43.500	QUASIPEAK
5		249.867	-11.083	38.169	27.086	-18.914	46.000	QUASIPEAK
6		500.450	-5.372	34.957	29.586	-16.414	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 : 2011/11/24 - 18:58**
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 Ethernet Adapter	**Note : Mode 2: Transmit (Adapter: PHIHONG) 5755MHz_802.11n40**



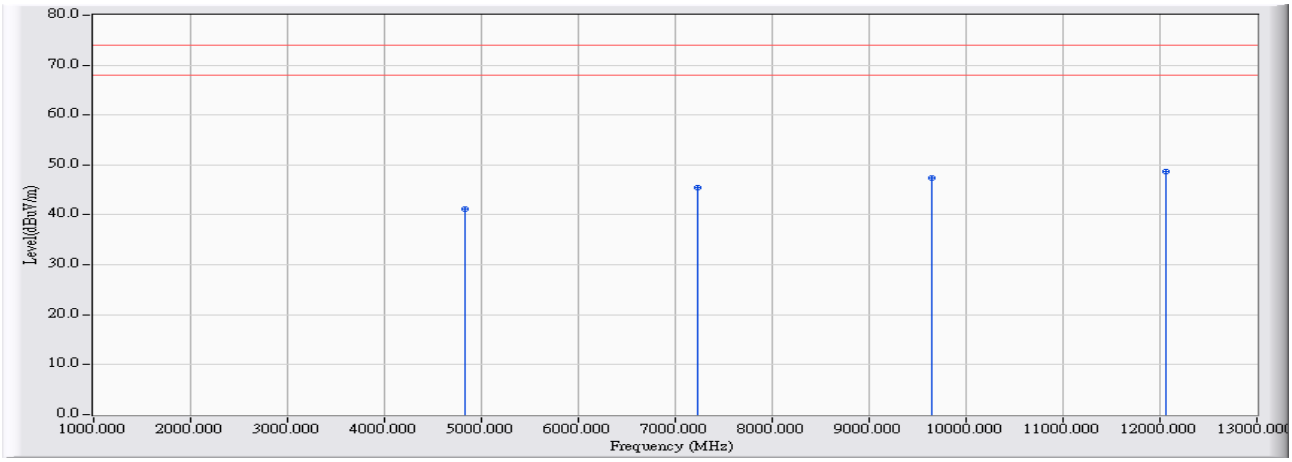
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	39.700	-12.268	48.095	35.827	-4.173	40.000	QUASIPEAK
2		65.567	-17.772	52.368	34.596	-5.404	40.000	QUASIPEAK
3		105.983	-13.004	51.190	38.186	-5.314	43.500	QUASIPEAK
4		151.250	-13.510	40.948	27.438	-16.062	43.500	QUASIPEAK
5		500.450	-5.372	34.234	28.863	-17.137	46.000	QUASIPEAK
6		830.250	-2.453	28.240	25.788	-20.212	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.

Above 1GHz Spurious

Site : CB1	**Time : 2011/11/26 - 11:10**
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 Ethernet Adapter	**Note : Mode 1: Transmit (Adapter: DVE)** **2412MHz_802.11_b**

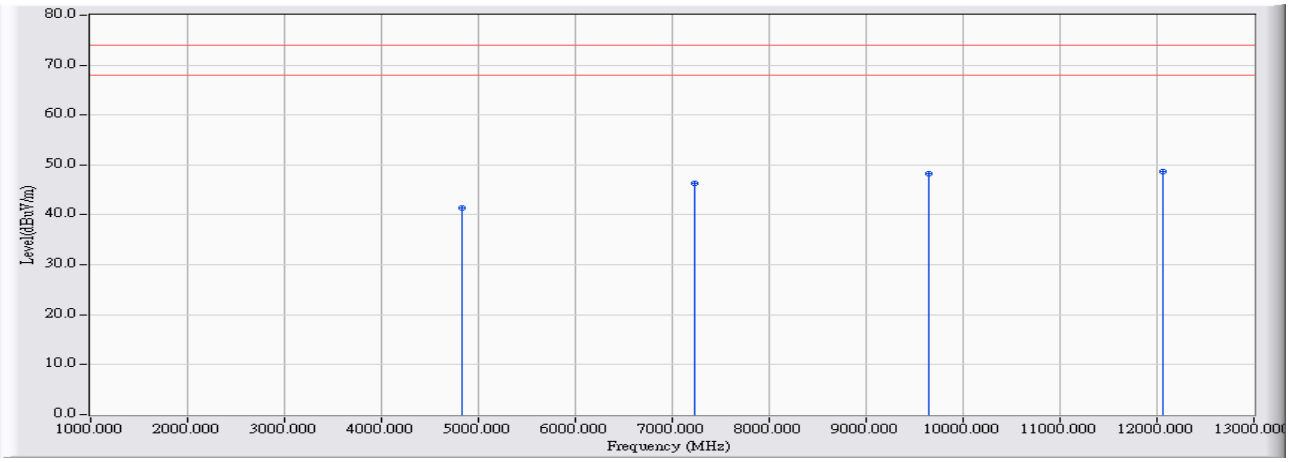


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Limit (dBuV/m)	Detector Type
1		4824.000	1.655	39.450	41.105	-32.895	54.000	74.000	PEAK
2		7236.000	8.167	37.320	45.487	-28.513	54.000	74.000	PEAK
3		9648.000	9.946	37.500	47.446	-26.554	54.000	74.000	PEAK
4	*	12060.000	9.917	38.700	48.617	-25.383	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 13GHz were not included is because their levels are too low.

Site : CB1	**Time : 2011/11/26 - 11:12**
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 Ethernet Adapter	**Note : Mode 1: Transmit (Adapter: DVE)** **2412MHz_802.11_b**

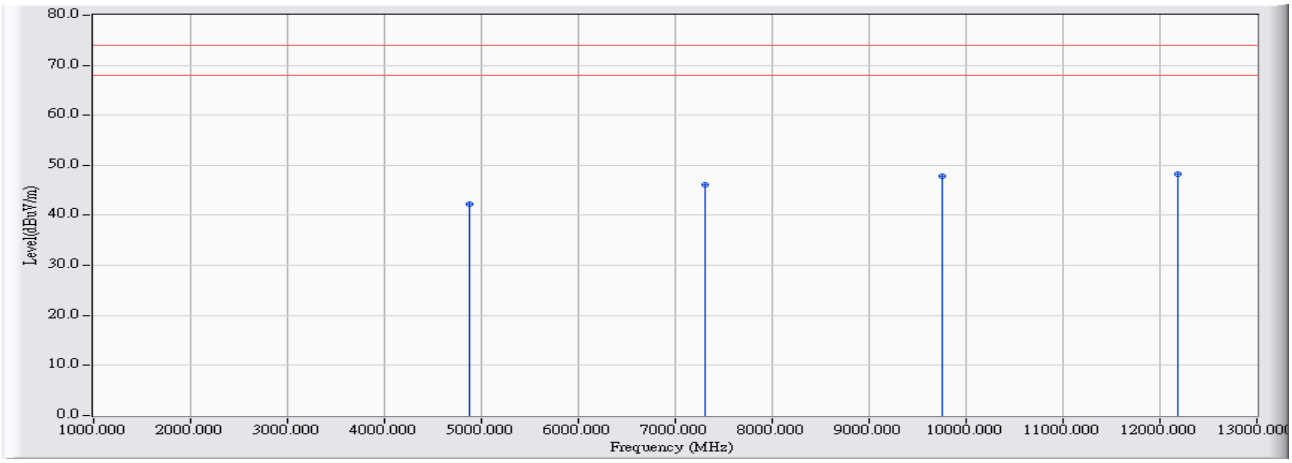


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Limit (dBuV/m)	Detector Type
1		4824.000	1.655	39.670	41.325	-32.675	54.000	74.000	PEAK
2		7236.000	8.167	38.150	46.317	-27.683	54.000	74.000	PEAK
3		9648.000	9.946	38.210	48.156	-25.844	54.000	74.000	PEAK
4	*	12060.000	9.917	38.700	48.617	-25.383	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 13GHz were not included is because their levels are too low.

Site : CB1	**Time : 2011/11/26 - 11:19**
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 Ethernet Adapter	**Note : Mode 1: Transmit (Adapter: DVE)** **2437MHz_802.11_b**

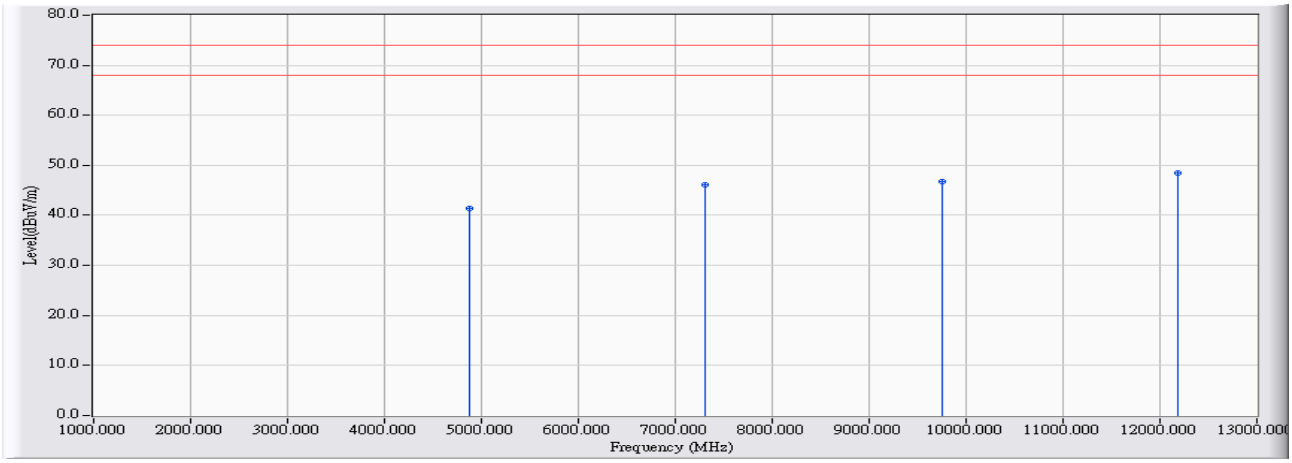


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Limit (dBuV/m)	Detector Type
1		4874.000	1.956	40.290	42.246	-31.754	54.000	74.000	PEAK
2		7311.000	8.368	37.750	46.118	-27.882	54.000	74.000	PEAK
3		9748.000	10.164	37.600	47.763	-26.237	54.000	74.000	PEAK
4	*	12185.000	10.931	37.430	48.361	-25.639	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 13GHz were not included is because their levels are too low.

Site : CB1	**Time : 2011/11/26 - 11:23**
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 Ethernet Adapter	**Note : Mode 1: Transmit (Adapter: DVE)** **TX_2437MHz_802.11_b**

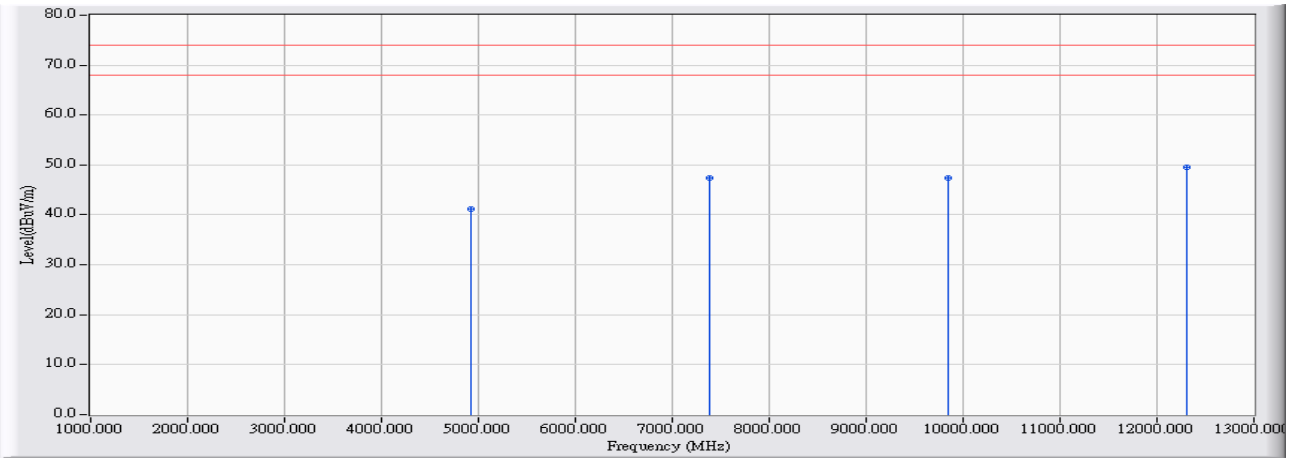


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Limit (dBuV/m)	Detector Type
1		4874.000	1.956	39.480	41.436	-32.564	54.000	74.000	PEAK
2		7311.000	8.368	37.710	46.078	-27.922	54.000	74.000	PEAK
3		9748.000	10.164	36.680	46.843	-27.157	54.000	74.000	PEAK
4	*	12185.000	10.931	37.530	48.461	-25.539	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 13GHz were not included is because their levels are too low.

Site : CB1	**Time : 2011/11/26 - 11:29**
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 Ethernet Adapter	**Note : Mode 1: Transmit (Adapter: DVE)** **2462MHz_802.11_b**

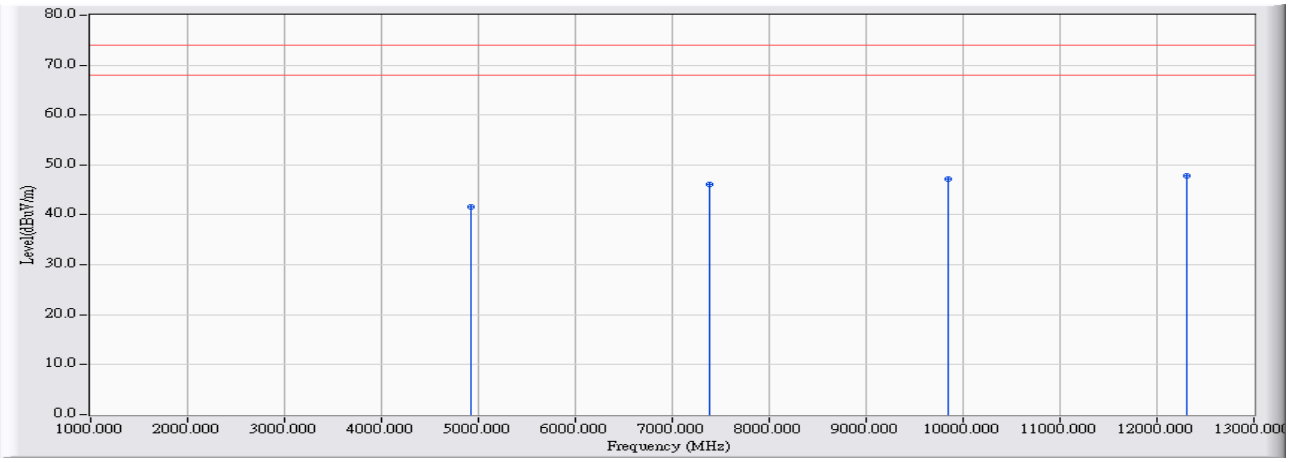


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Limit (dBuV/m)	Detector Type
1		4924.000	2.210	38.920	41.130	-32.870	54.000	74.000	PEAK
2		7386.000	8.635	38.740	47.375	-26.625	54.000	74.000	PEAK
3		9848.000	10.387	37.110	47.497	-26.503	54.000	74.000	PEAK
4	*	12310.000	11.909	37.670	49.579	-24.421	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 13GHz were not included is because their levels are too low.

Site : CB1	**Time : 2011/11/26 - 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 Ethernet Adapter	**Note : Mode 1: Transmit (Adapter: DVE)** **2462MHz_802.11_b**

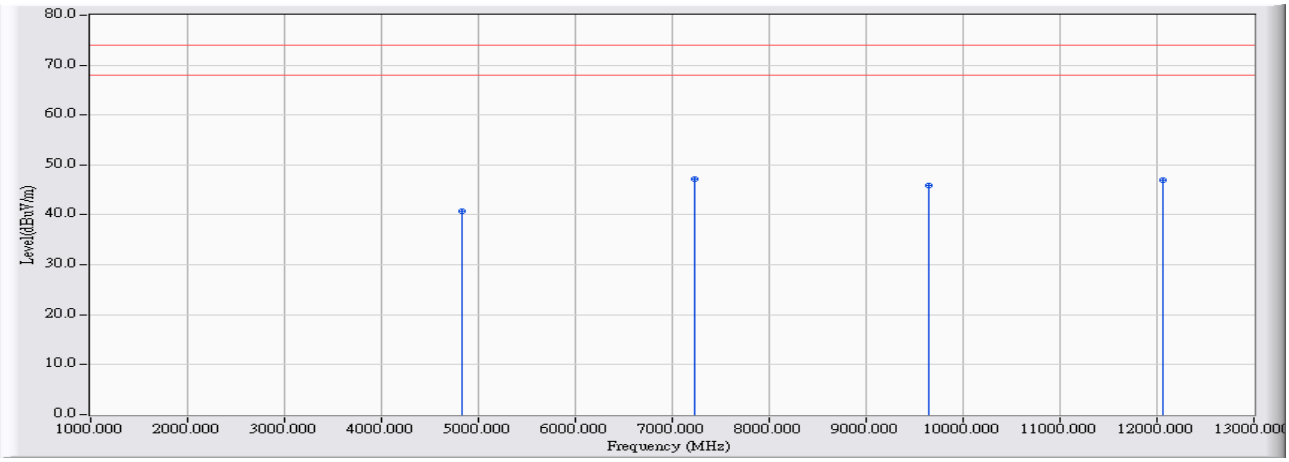


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Limit (dBuV/m)	Detector Type
1		4924.000	2.210	39.320	41.530	-32.470	54.000	74.000	PEAK
2		7386.000	8.635	37.430	46.065	-27.935	54.000	74.000	PEAK
3		9848.000	10.387	36.710	47.097	-26.903	54.000	74.000	PEAK
4	*	12310.000	11.909	35.910	47.819	-26.181	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 13GHz were not included is because their levels are too low.

Site : CB1	**Time : 2011/11/26 - 11:39**
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 Ethernet Adapter	**Note : Mode 1: Transmit (Adapter: DVE)** **2412MHz_802.11_g**

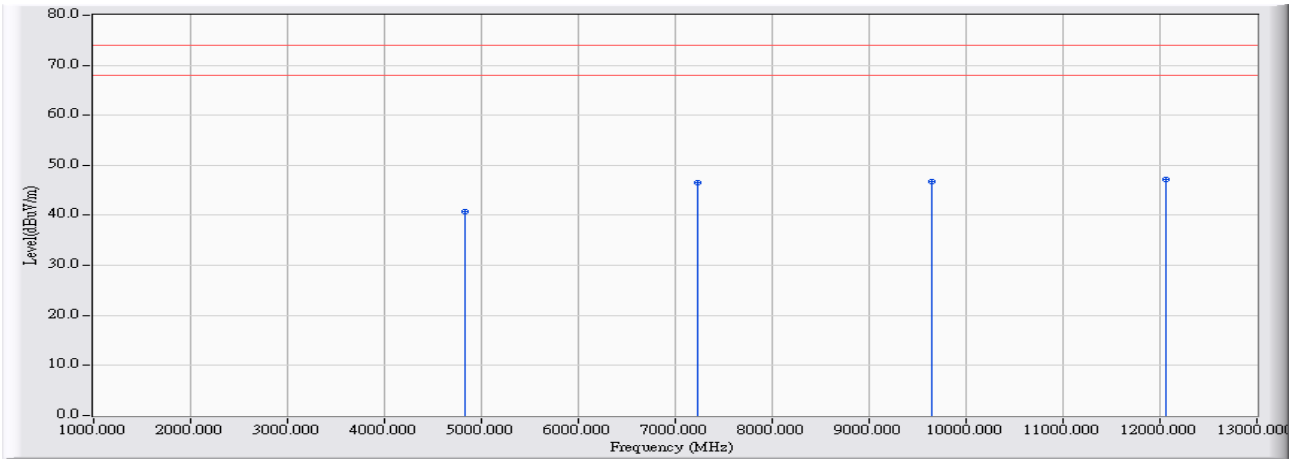


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Limit (dBuV/m)	Detector Type
1		4824.000	1.655	39.030	40.685	-33.315	54.000	74.000	PEAK
2	*	7236.000	8.167	39.060	47.227	-26.773	54.000	74.000	PEAK
3		9648.000	9.946	35.970	45.916	-28.084	54.000	74.000	PEAK
4		12060.000	9.917	37.120	47.037	-26.963	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 13GHz were not included is because their levels are too low.

Site : CB1	**Time : 2011/11/26 - 11:42**
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 Ethernet Adapter	**Note : Mode 1: Transmit (Adapter: DVE)** **2412MHz_802.11_g**

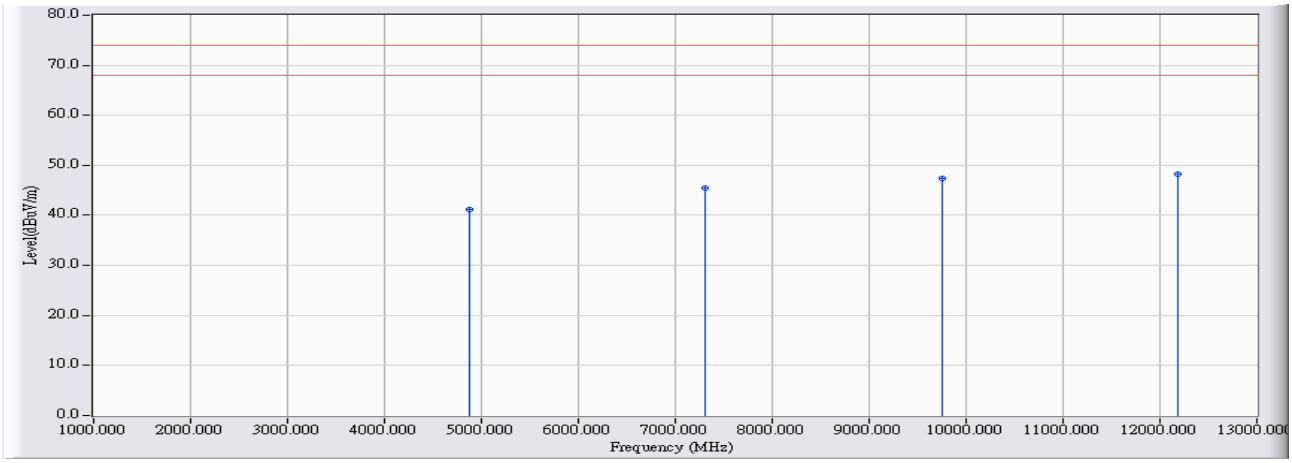


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Limit (dBuV/m)	Detector Type
1		4824.000	1.655	39.100	40.755	-33.245	54.000	74.000	PEAK
2		7236.000	8.167	38.320	46.487	-27.513	54.000	74.000	PEAK
3		9648.000	9.946	36.780	46.726	-27.274	54.000	74.000	PEAK
4	*	12060.000	9.917	37.360	47.277	-26.723	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 13GHz were not included is because their levels are too low.

Site : CB1	**Time : 2011/11/26 - 11:48**
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 Ethernet Adapter	**Note : Mode 1: Transmit (Adapter: DVE)** **2437MHz_802.11_g**

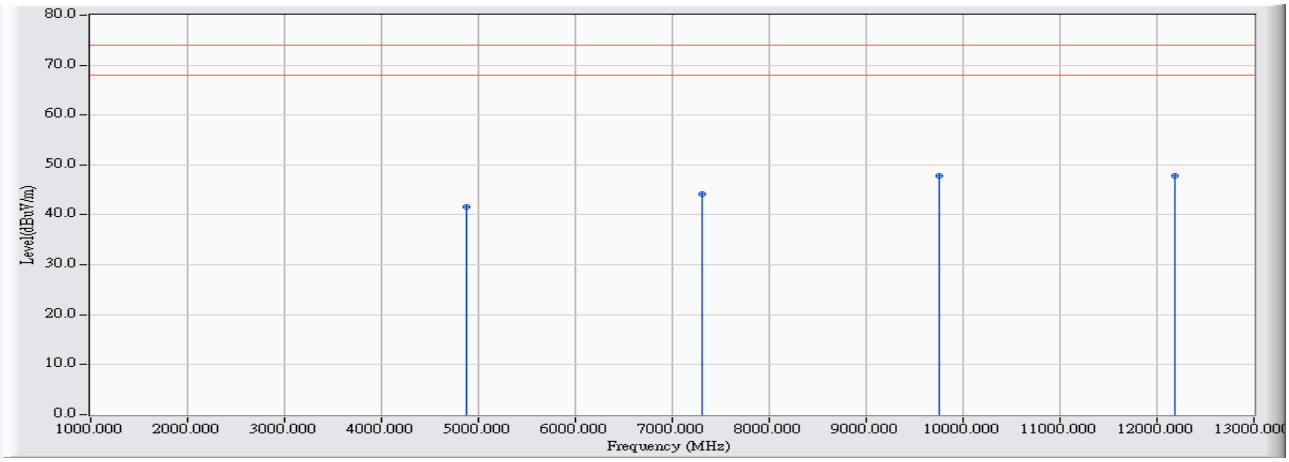


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Limit (dBuV/m)	Detector Type
1		4874.000	1.956	39.120	41.076	-32.924	54.000	74.000	PEAK
2		7311.000	8.368	37.120	45.488	-28.512	54.000	74.000	PEAK
3		9748.000	10.164	37.310	47.473	-26.527	54.000	74.000	PEAK
4	*	12185.000	10.931	37.340	48.271	-25.729	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 13GHz were not included is because their levels are too low.

Site : CB1	**Time : 2011/11/26 - 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 Ethernet Adapter	**Note : Mode 1: Transmit (Adapter: DVE)** **2437MHz_802.11_g**

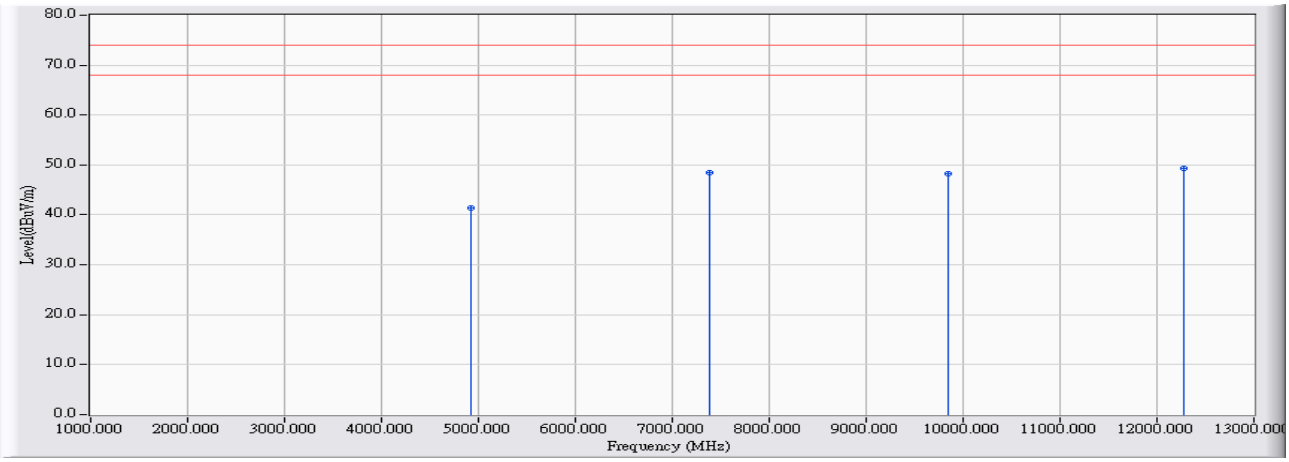


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Limit (dBuV/m)	Detector Type
1		4874.000	1.956	39.680	41.636	-32.364	54.000	74.000	PEAK
2		7311.000	8.368	35.840	44.208	-29.792	54.000	74.000	PEAK
3	*	9748.000	10.164	37.740	47.903	-26.097	54.000	74.000	PEAK
4		12185.000	10.931	36.860	47.791	-26.209	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 13GHz were not included is because their levels are too low.

Site : CB1	**Time : 2011/11/26 - 13:46**
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 Ethernet Adapter	**Note : Mode 1: Transmit (Adapter: DVE)** **2462MHz_802.11_g**

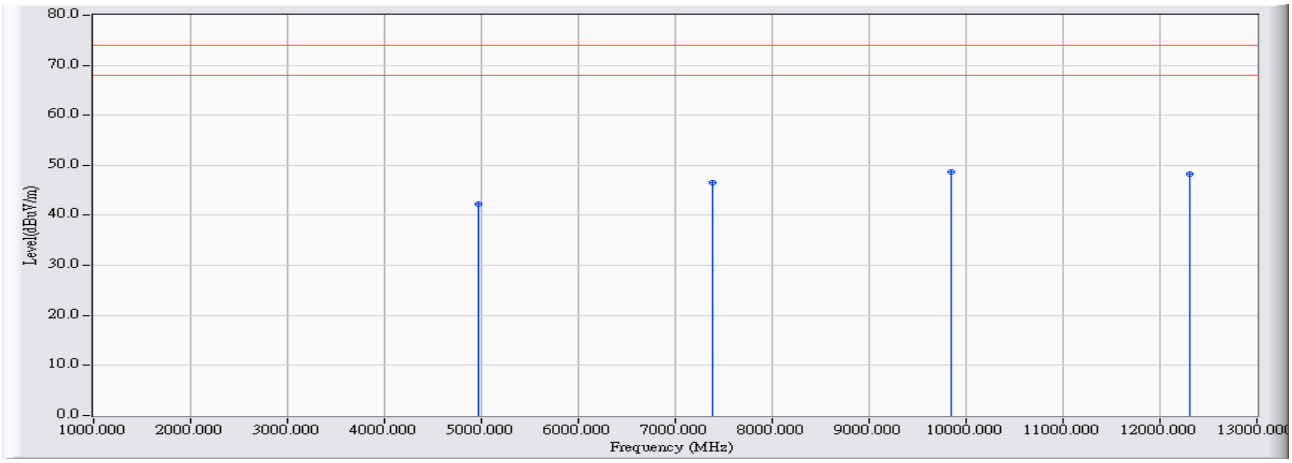


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Limit (dBuV/m)	Detector Type
1		4924.000	2.210	39.230	41.440	-32.560	54.000	74.000	PEAK
2		7386.000	8.635	39.790	48.425	-25.575	54.000	74.000	PEAK
3		9848.000	10.387	37.860	48.247	-25.753	54.000	74.000	PEAK
4	*	12277.000	11.678	37.660	49.338	-24.662	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 13GHz were not included is because their levels are too low.

Site : CB1	**Time : 2011/11/26 - 13:52**
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 Ethernet Adapter	**Note : Mode 1: Transmit (Adapter: DVE)** **2462MHz_802.11_g**

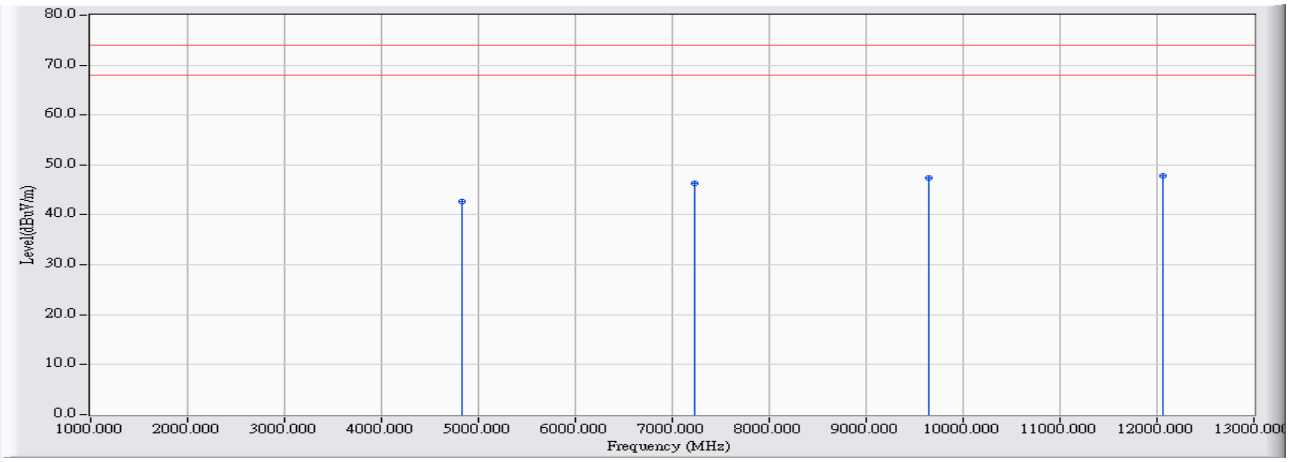


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Limit (dBuV/m)	Detector Type
1		4974.000	2.455	39.750	42.204	-31.796	54.000	74.000	PEAK
2		7386.000	8.635	37.930	46.565	-27.435	54.000	74.000	PEAK
3	*	9848.000	10.387	38.290	48.677	-25.323	54.000	74.000	PEAK
4		12310.000	11.909	36.340	48.249	-25.751	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 13GHz were not included is because their levels are too low.

Site : CB1	**Time : 2011/11/26 - 13:57**
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 Ethernet Adapter	**Note : Mode 1: Transmit (Adapter: DVE)** **2412MHz_802.11_n(20MHz)**

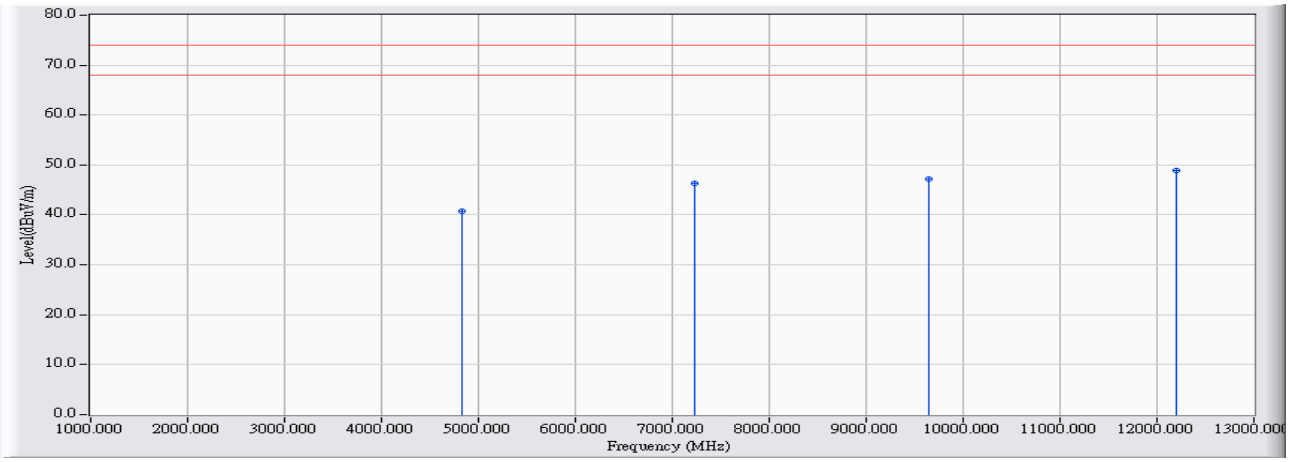


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Limit (dBuV/m)	Detector Type
1		4824.000	1.655	40.950	42.605	-31.395	54.000	74.000	PEAK
2		7236.000	8.167	38.130	46.297	-27.703	54.000	74.000	PEAK
3		9648.000	9.946	37.410	47.356	-26.644	54.000	74.000	PEAK
4	*	12060.000	9.917	37.814	47.731	-26.269	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 13GHz were not included is because their levels are too low.

Site : CB1	**Time : 2011/11/26 - 14:06**
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 Ethernet Adapter	**Note : Mode 1: Transmit (Adapter: DVE)** **2412MHz_802.11_n(20MHz)**

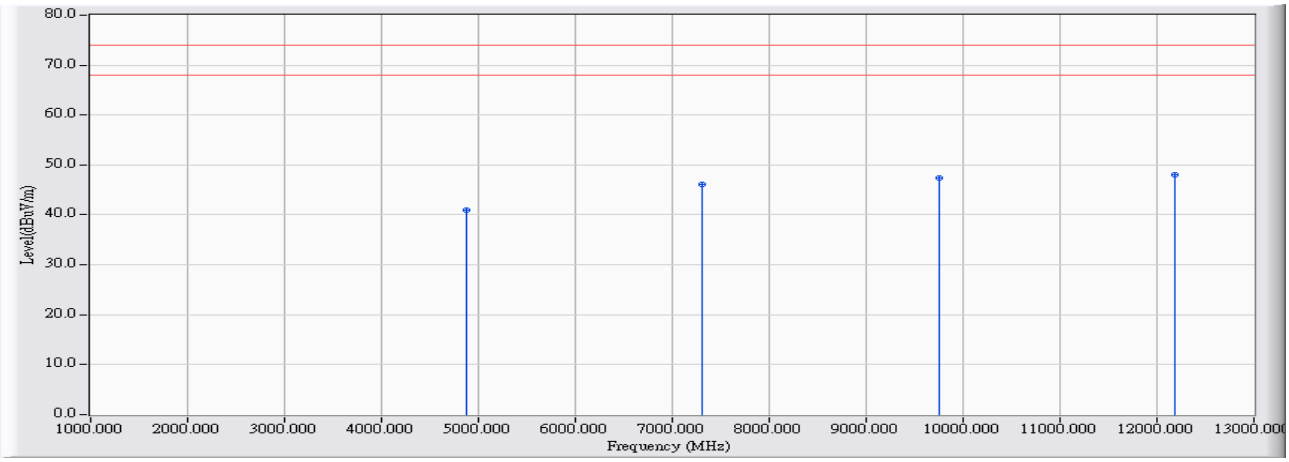


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Limit (dBuV/m)	Detector Type
1		4824.000	1.655	39.090	40.745	-33.255	54.000	74.000	PEAK
2		7236.000	8.167	38.173	46.340	-27.660	54.000	74.000	PEAK
3		9648.000	9.946	37.330	47.276	-26.724	54.000	74.000	PEAK
4	*	12193.000	10.996	37.850	48.846	-25.154	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 13GHz were not included is because their levels are too low.

Site : CB1	**Time : 2011/11/26 - 14:11**
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 Ethernet Adapter	**Note : Mode 1: Transmit (Adapter: DVE)** **2437MHz_802.11_n(20MHz)**

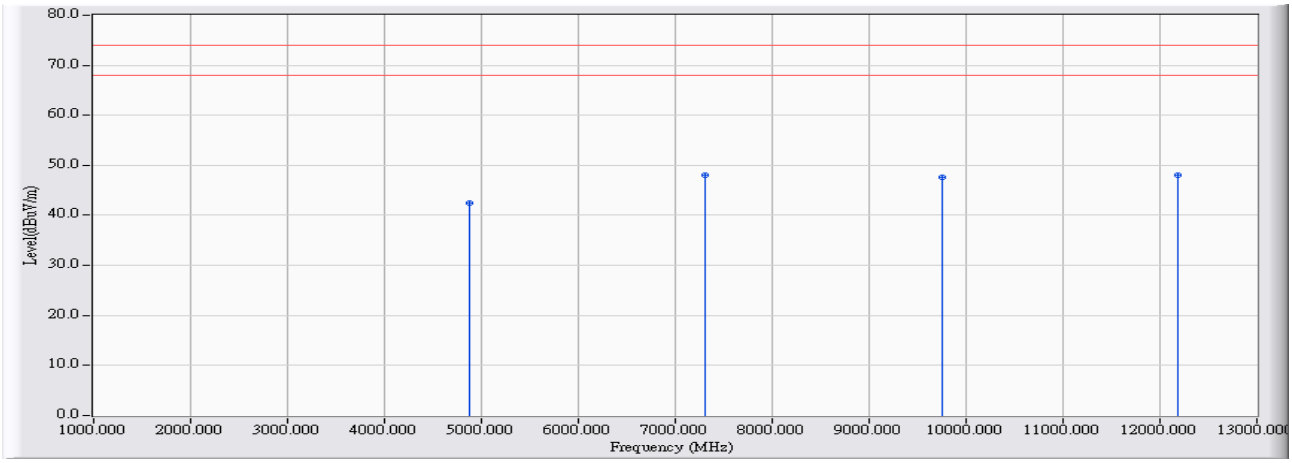


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Limit (dBuV/m)	Detector Type
1		4874.000	1.956	38.990	40.946	-33.054	54.000	74.000	PEAK
2		7311.000	8.368	37.840	46.208	-27.792	54.000	74.000	PEAK
3		9748.000	10.164	37.320	47.483	-26.517	54.000	74.000	PEAK
4	*	12185.000	10.931	37.150	48.081	-25.919	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 13GHz were not included is because their levels are too low.

Site : CB1	**Time : 2011/11/26 - 14:17**
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 Ethernet Adapter	**Note : Mode 1: Transmit (Adapter: DVE)** **2437MHz_802.11_n(20MHz)**

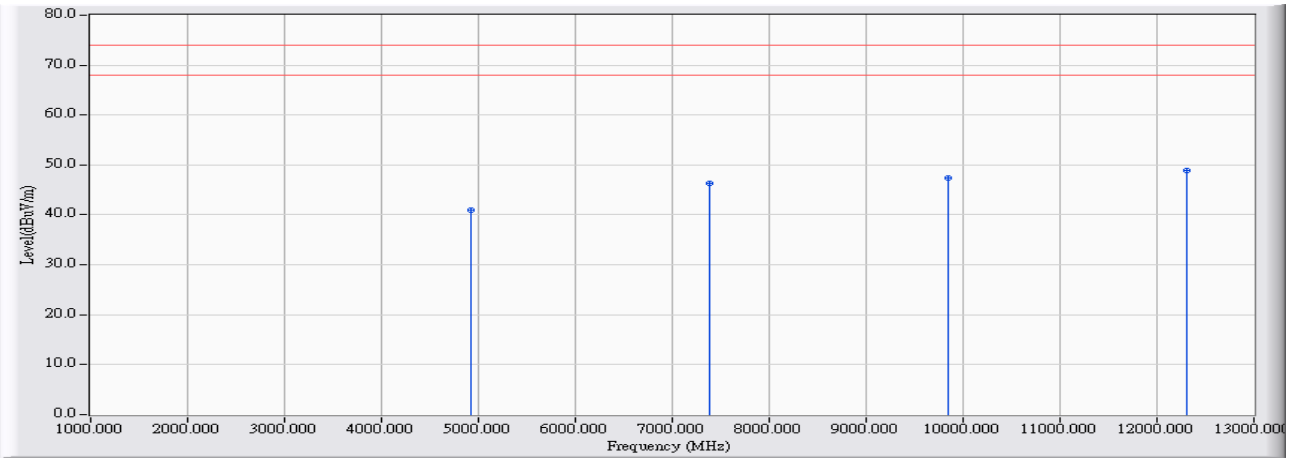


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Limit (dBuV/m)	Detector Type
1		4874.000	1.956	40.450	42.406	-31.594	54.000	74.000	PEAK
2	*	7311.000	8.368	39.600	47.968	-26.032	54.000	74.000	PEAK
3		9748.000	10.164	37.540	47.703	-26.297	54.000	74.000	PEAK
4		12185.000	10.931	37.020	47.951	-26.049	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 13GHz were not included is because their levels are too low.

Site : CB1	**Time : 2011/11/26 - 14:22**
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 Ethernet Adapter	**Note : Mode 1: Transmit (Adapter: DVE)** **2462MHz_802.11_n(20MHz)**

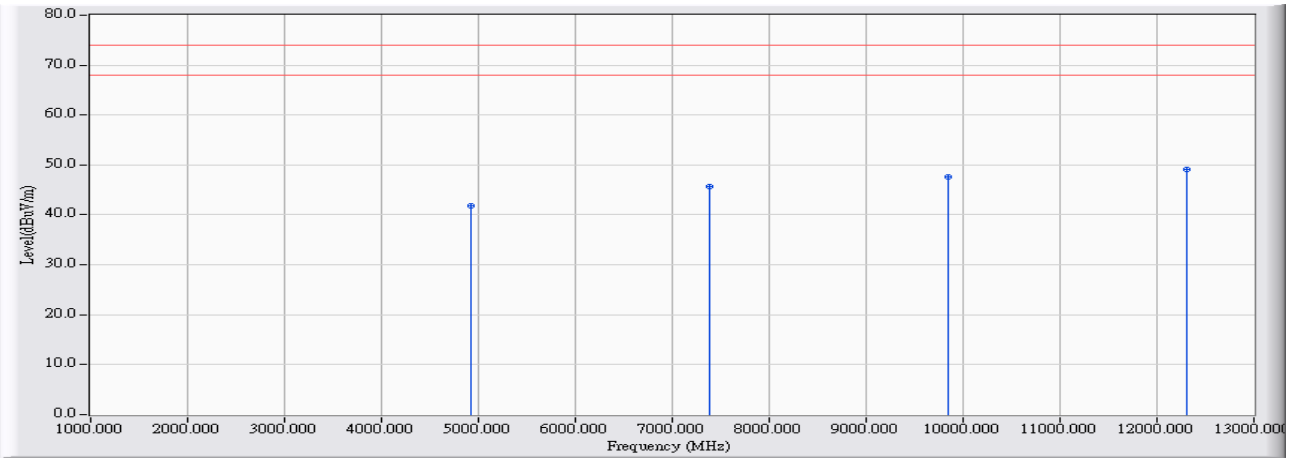


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Limit (dBuV/m)	Detector Type
1		4924.000	2.210	38.800	41.010	-32.990	54.000	74.000	PEAK
2		7386.000	8.635	37.710	46.345	-27.655	54.000	74.000	PEAK
3		9848.000	10.387	37.070	47.457	-26.543	54.000	74.000	PEAK
4	*	12310.000	11.909	37.030	48.939	-25.061	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 13GHz were not included is because their levels are too low.

Site : CB1	**Time : 2011/11/26 - 14:25**
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 Ethernet Adapter	**Note : Mode 1: Transmit (Adapter: DVE)** **2462MHz_802.11_n(20MHz)**

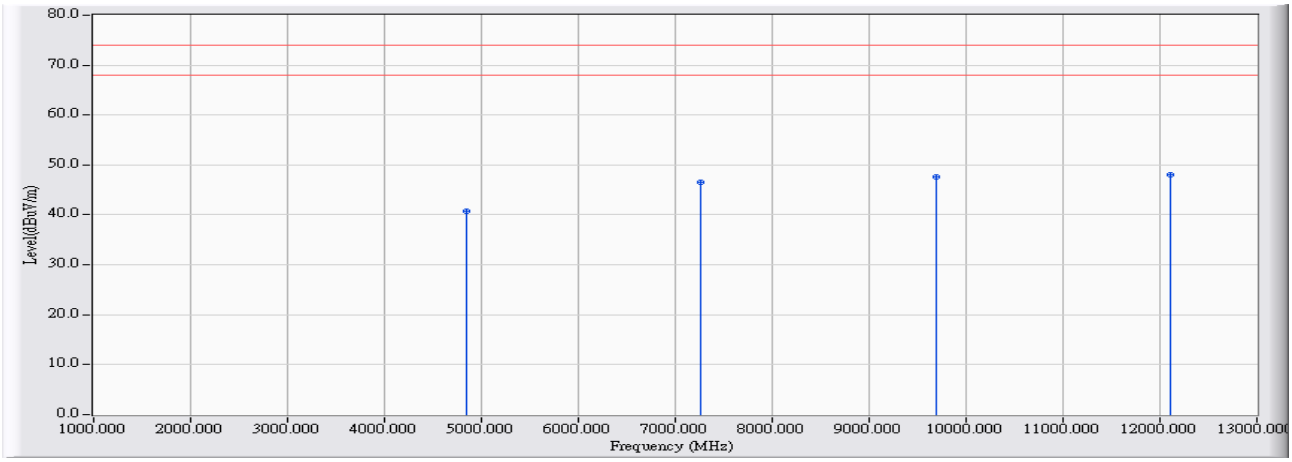


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Limit (dBuV/m)	Detector Type
1		4924.000	2.210	39.620	41.830	-32.170	54.000	74.000	PEAK
2		7386.000	8.635	37.010	45.645	-28.355	54.000	74.000	PEAK
3		9848.000	10.387	37.240	47.627	-26.373	54.000	74.000	PEAK
4	*	12310.000	11.909	37.160	49.069	-24.931	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 13GHz were not included is because their levels are too low.

Site : CB1	**Time : 2011/11/26 - 14:31**
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 Ethernet Adapter	**Note : Mode 1: Transmit (Adapter: DVE)** **2422MHz_802.11_n(40MHz)**

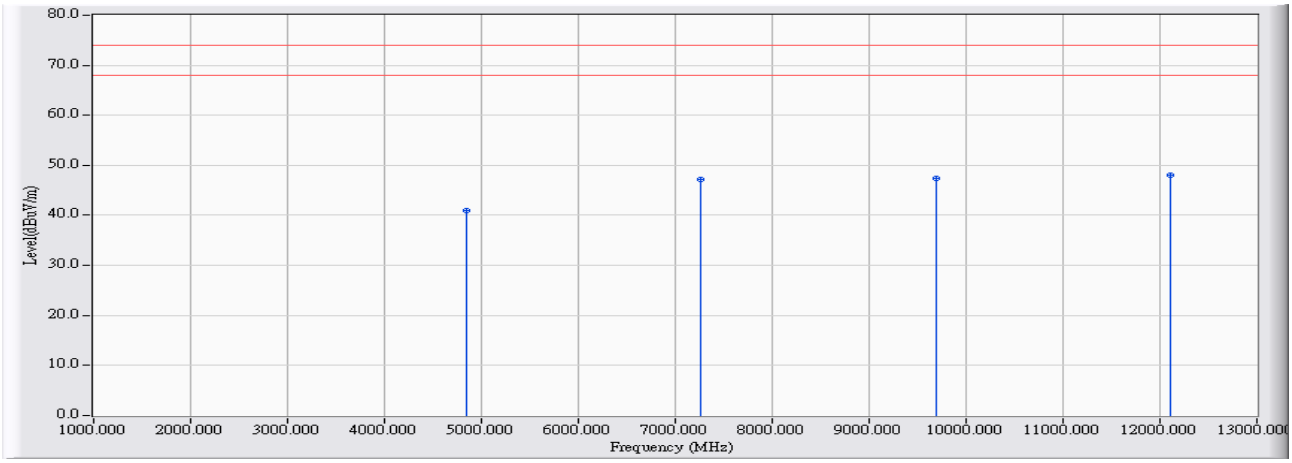


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Limit (dBuV/m)	Detector Type
1		4844.000	1.774	39.050	40.825	-33.175	54.000	74.000	PEAK
2		7266.000	8.248	38.210	46.458	-27.542	54.000	74.000	PEAK
3		9688.000	10.033	37.650	47.683	-26.317	54.000	74.000	PEAK
4	*	12110.000	10.322	37.760	48.083	-25.917	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 13GHz were not included is because their levels are too low.

Site : CB1	**Time : 2011/11/26 - 14:34**
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 Ethernet Adapter	**Note : Mode 1: Transmit (Adapter: DVE)** **2422MHz_802.11_n(40MHz)**

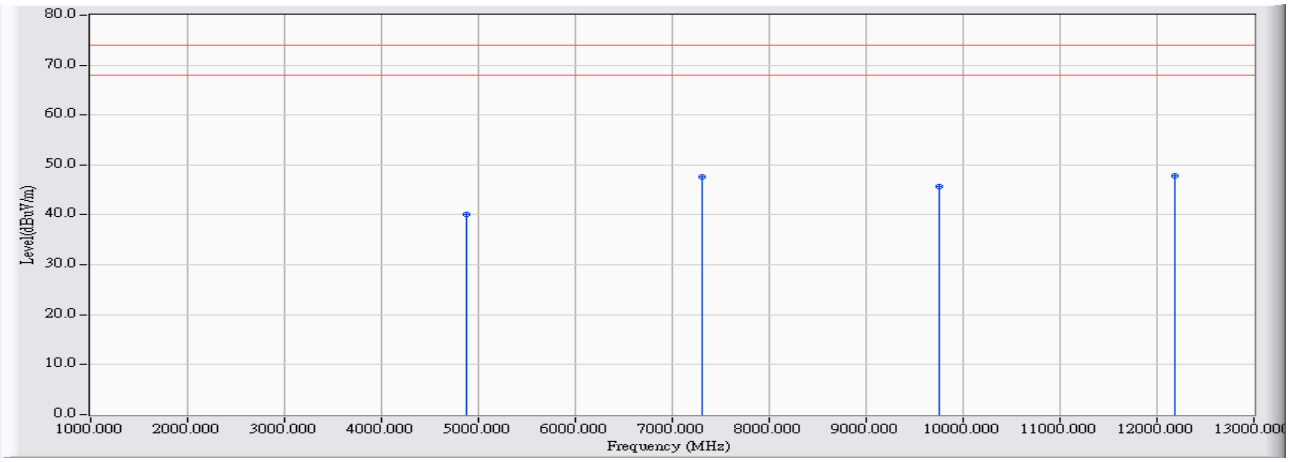


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Limit (dBuV/m)	Detector Type
1		4844.000	1.774	39.280	41.055	-32.945	54.000	74.000	PEAK
2		7266.000	8.248	38.840	47.088	-26.912	54.000	74.000	PEAK
3		9688.000	10.033	37.320	47.353	-26.647	54.000	74.000	PEAK
4	*	12110.000	10.322	37.660	47.983	-26.017	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 13GHz were not included is because their levels are too low.

Site : CB1	**Time : 2011/11/26 - 14:39**
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 Ethernet Adapter	**Note : Mode 1: Transmit (Adapter: DVE)** **2437MHz_802.11_n(40MHz)**

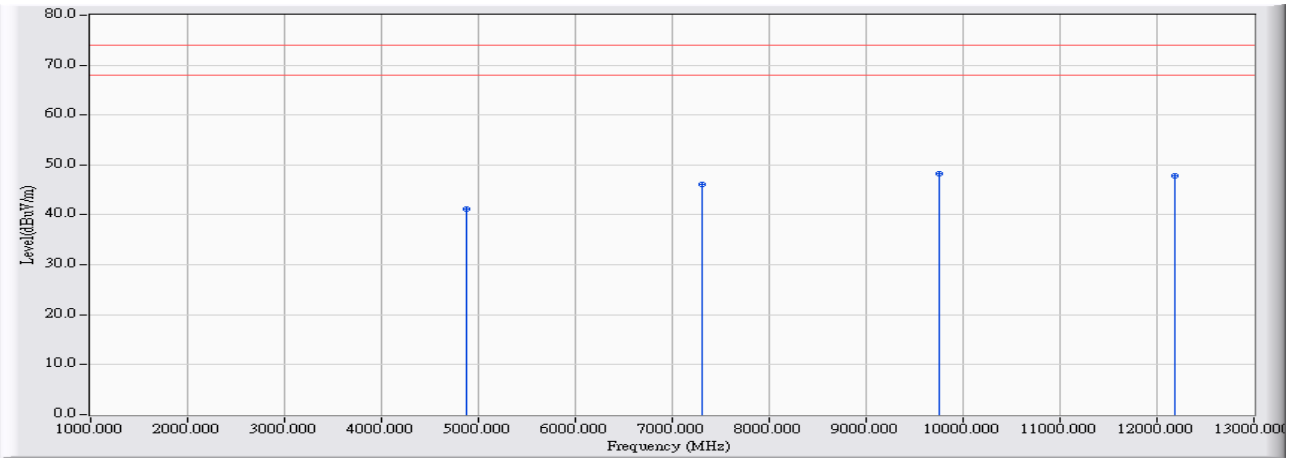


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Limit (dBuV/m)	Detector Type
1		4877.000	1.974	38.120	40.093	-33.907	54.000	74.000	PEAK
2		7311.000	8.368	39.260	47.628	-26.372	54.000	74.000	PEAK
3		9748.000	10.164	35.620	45.783	-28.217	54.000	74.000	PEAK
4	*	12185.000	10.931	36.870	47.801	-26.199	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 13GHz were not included is because their levels are too low.

Site : CB1	**Time : 2011/11/26 - 14:43**
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 Ethernet Adapter	**Note : Mode 1: Transmit (Adapter: DVE)** **2437MHz_802.11_n(40MHz)**

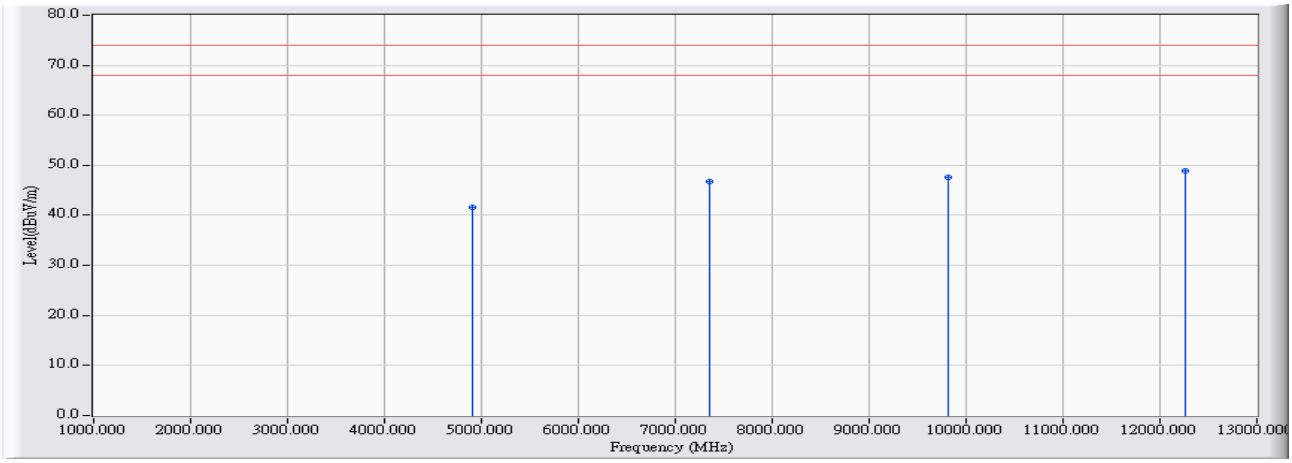


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Limit (dBuV/m)	Detector Type
1		4874.000	1.956	39.210	41.166	-32.834	54.000	74.000	PEAK
2		7311.000	8.368	37.700	46.068	-27.932	54.000	74.000	PEAK
3	*	9748.000	10.164	38.170	48.333	-25.667	54.000	74.000	PEAK
4		12185.000	10.931	37.000	47.931	-26.069	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 13GHz were not included is because their levels are too low.

Site : CB1	**Time : 2011/11/26 - 14:50**
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 Ethernet Adapter	**Note : Mode 1: Transmit (Adapter: DVE)** **2452MHz_802.11_n(40MHz)**

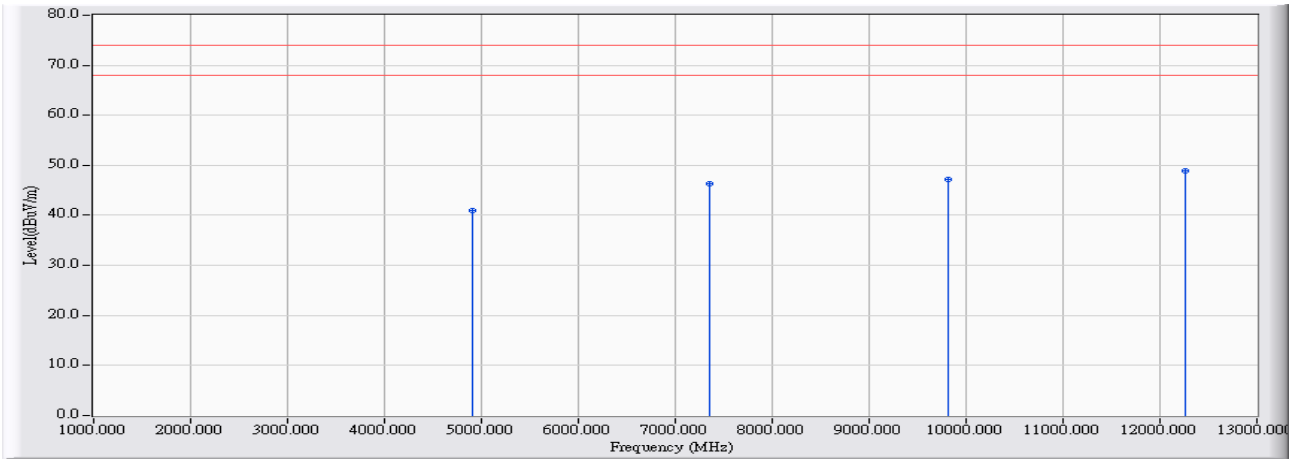


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Limit (dBuV/m)	Detector Type
1		4904.000	2.112	39.550	41.662	-32.338	54.000	74.000	PEAK
2		7356.000	8.498	38.210	46.709	-27.291	54.000	74.000	PEAK
3		9808.000	10.294	37.280	47.573	-26.427	54.000	74.000	PEAK
4	*	12260.000	11.539	37.380	48.920	-25.080	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 13GHz were not included is because their levels are too low.

Site : CB1	**Time : 2011/11/26 - 14:54**
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 Ethernet Adapter	**Note : Mode 1: Transmit (Adapter: DVE)** **2452MHz_802.11_n(40MHz)**

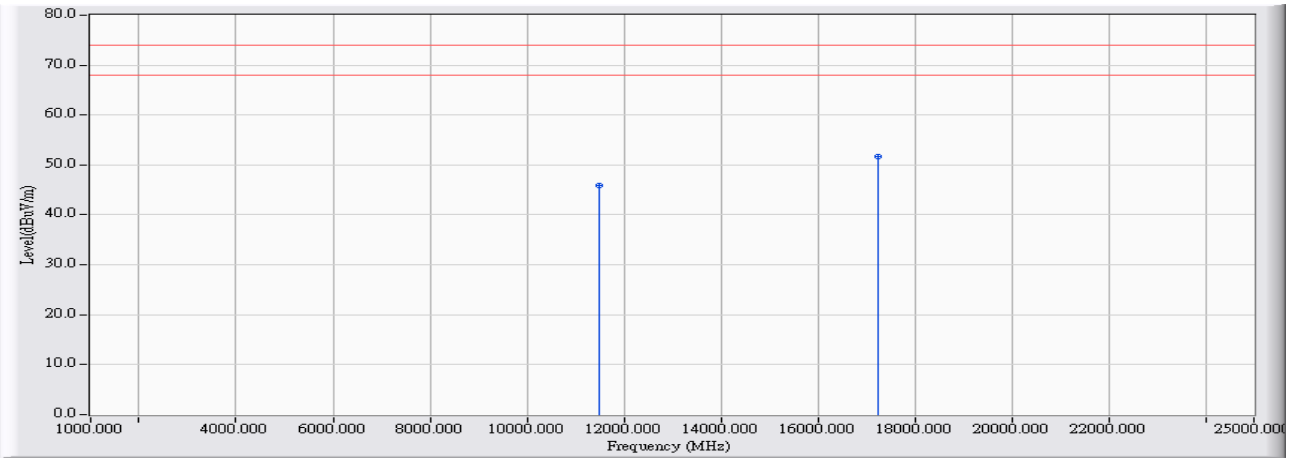


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Limit (dBuV/m)	Detector Type
1		4904.000	2.112	38.840	40.952	-33.048	54.000	74.000	PEAK
2		7356.000	8.498	37.840	46.339	-27.661	54.000	74.000	PEAK
3		9808.000	10.294	36.860	47.153	-26.847	54.000	74.000	PEAK
4	*	12260.000	11.539	37.460	49.000	-25.000	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 13GHz were not included is because their levels are too low.

Site : CB1	**Time : 2011/11/26 - 17:15**
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 Ethernet Adapter	**Note : Mode 1: Transmit (Adapter: DVE)** **5745MHz_802.11_a**

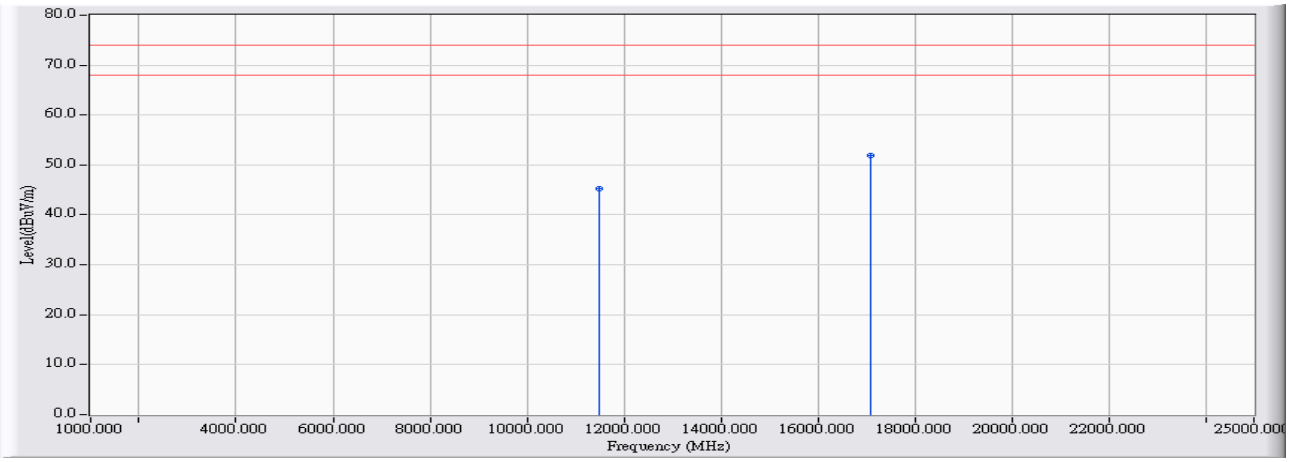


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Average Limit (dBuV/m)	Peak Limit (dBuV/m)	Detector Type
1		11490.000	7.507	38.290	45.797	-28.203	54.000	74.000	PEAK
2	*	17235.000	19.188	32.550	51.737	-22.263	54.000	74.000	PEAK

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 : 2011/11/26 - 17:18**
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 Ethernet Adapter	**Note : Mode 1: Transmit (Adapter: DVE)** **5745MHz_802.11_a**

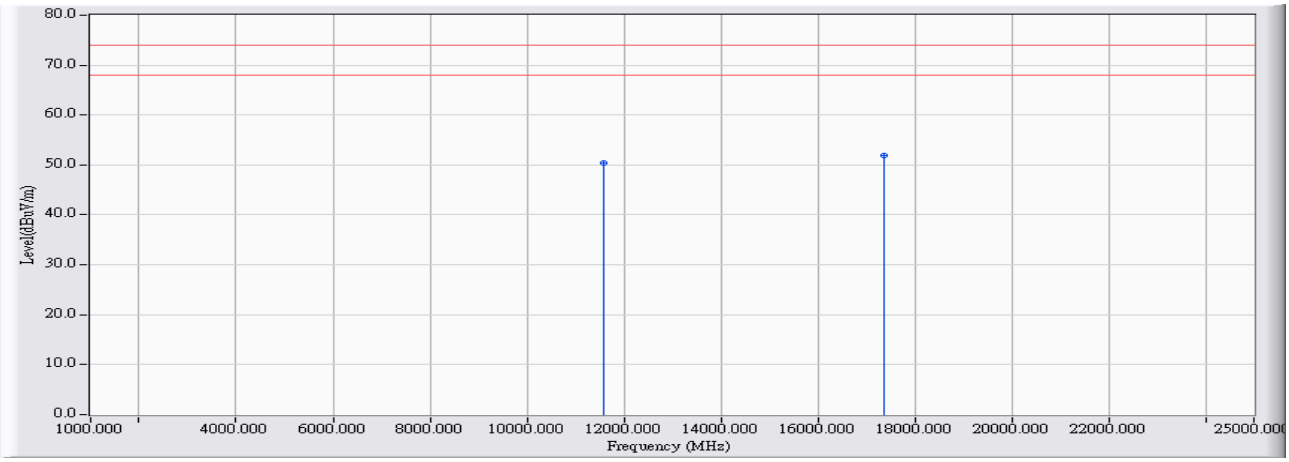


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Average Limit (dBuV/m)	Peak Limit (dBuV/m)	Detector Type
1		11490.000	7.507	37.770	45.277	-28.723	54.000	74.000	PEAK
2	*	17080.000	19.272	32.570	51.842	-22.158	54.000	74.000	PEAK

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 : 2011/11/26 - 17:24**
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 Ethernet Adapter	**Note : Mode 1: Transmit (Adapter: DVE)** **5785MHz_802.11_a**

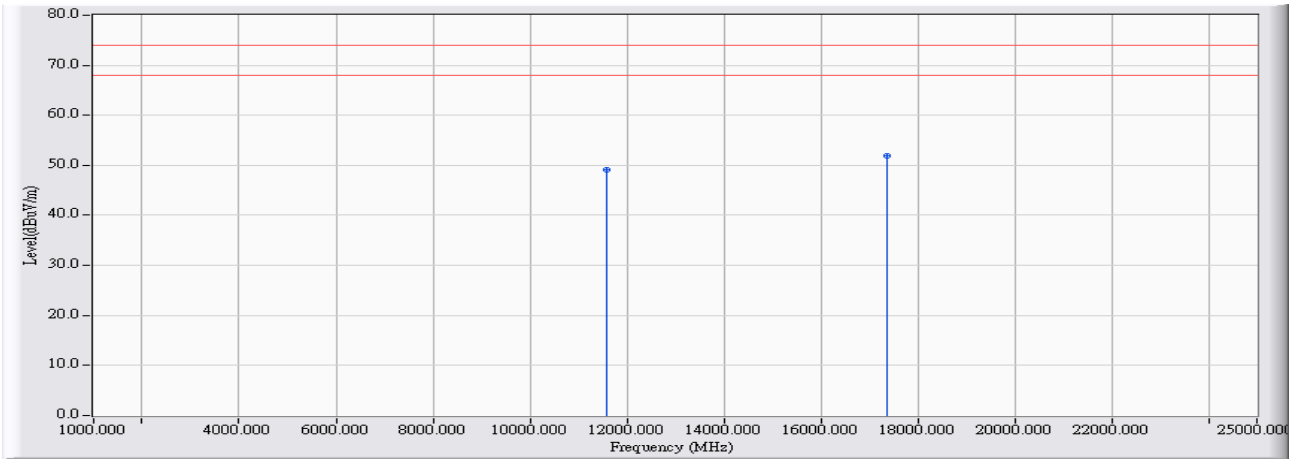


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Average Limit (dBuV/m)	Peak Limit (dBuV/m)	Detector Type
1		11570.000	7.433	42.920	50.354	-23.646	54.000	74.000	PEAK
2	*	17355.000	19.122	32.850	51.972	-22.028	54.000	74.000	PEAK

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 : 2011/11/26 - 17:27**
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 Ethernet Adapter	**Note : Mode 1: Transmit (Adapter: DVE)** **5785MHz_802.11_a**

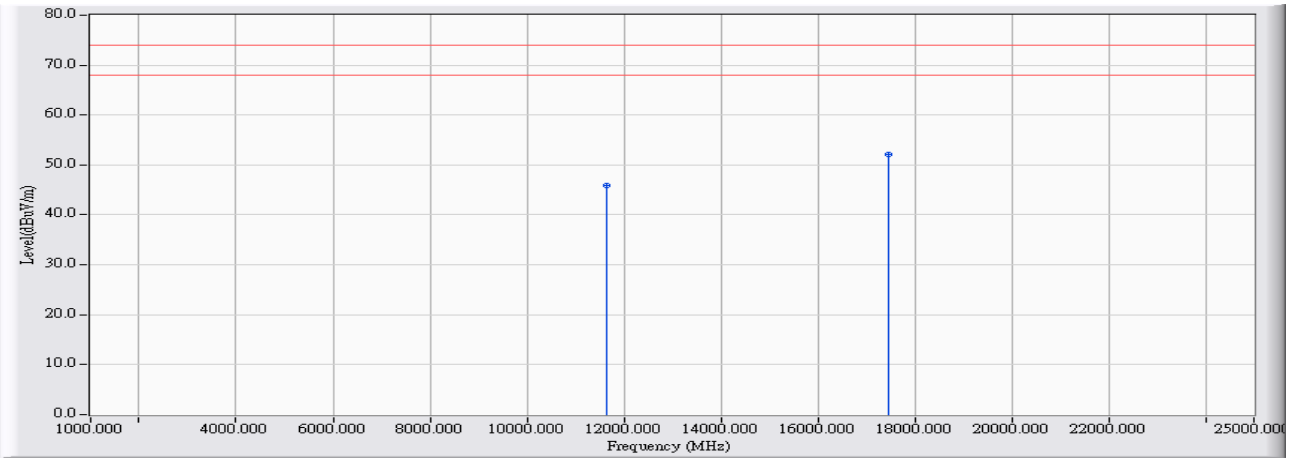


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Average Limit (dBuV/m)	Peak Limit (dBuV/m)	Detector Type
1		11570.000	7.433	41.630	49.064	-24.936	54.000	74.000	PEAK
2	*	17355.000	19.122	32.880	52.002	-21.998	54.000	74.000	PEAK

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 : 2011/11/26 - 17:33**
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 Ethernet Adapter	**Note : Mode 1: Transmit (Adapter: DVE)** **5825MHz_802.11_a**

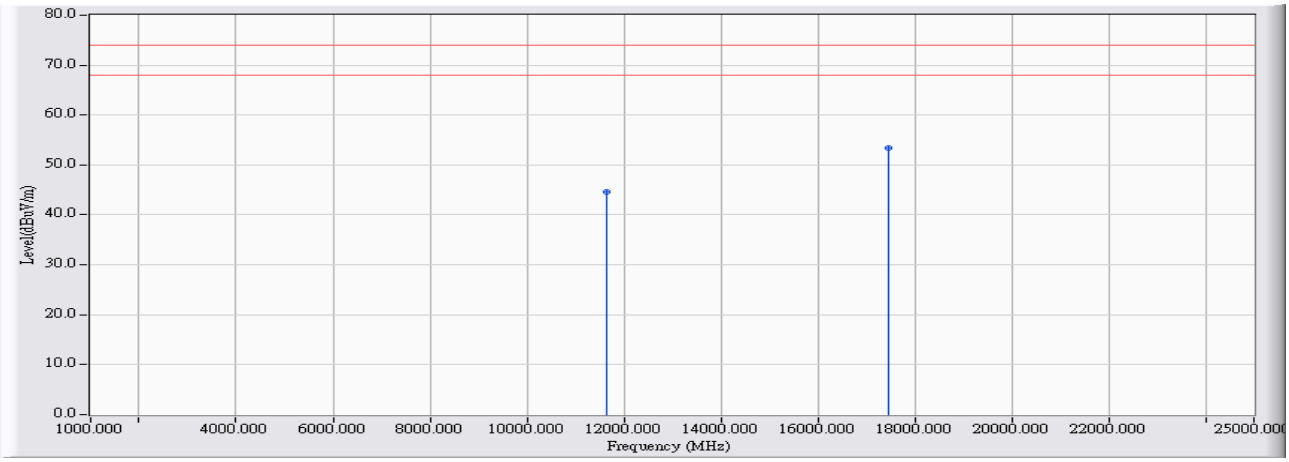


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Average Limit (dBuV/m)	Peak Limit (dBuV/m)	Detector Type
1		11650.000	7.694	38.160	45.854	-28.146	54.000	74.000	PEAK
2	*	17475.000	19.057	33.060	52.117	-21.883	54.000	74.000	PEAK

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 : 2011/11/26 - 17:37**
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 Ethernet Adapter	**Note : Mode 1: Transmit (Adapter: DVE)** **5825MHz_802.11_a**

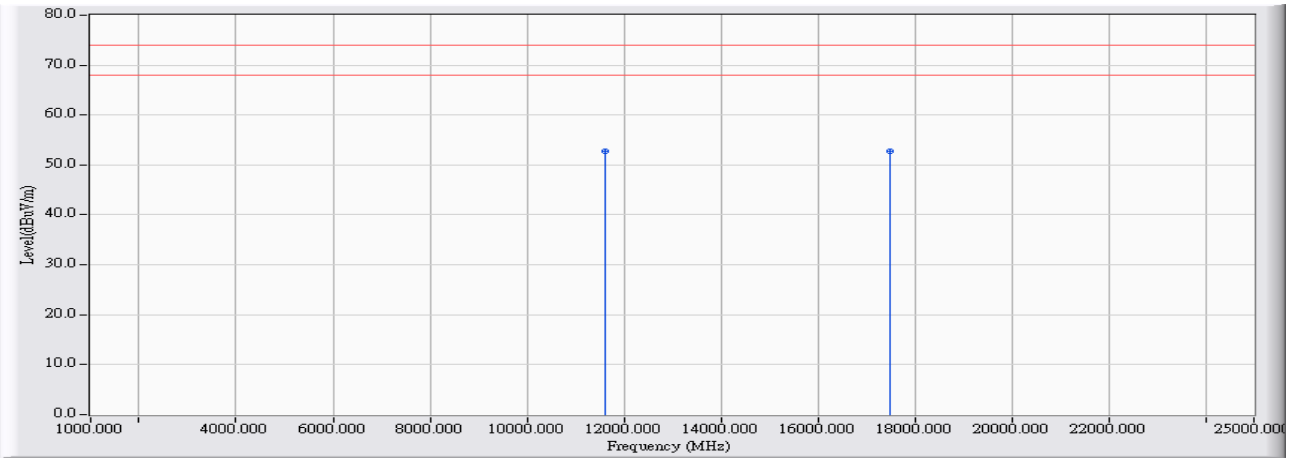


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Average Limit (dBuV/m)	Peak Limit (dBuV/m)	Detector Type
1		11650.000	7.694	36.810	44.504	-29.496	54.000	74.000	PEAK
2	*	17475.000	19.057	34.280	53.337	-20.663	54.000	74.000	PEAK

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 : 2011/11/26 - 17:52**
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 Ethernet Adapter	**Note : Mode 1: Transmit (Adapter: DVE)** **5745MHz_802.11_n(20MHz)**

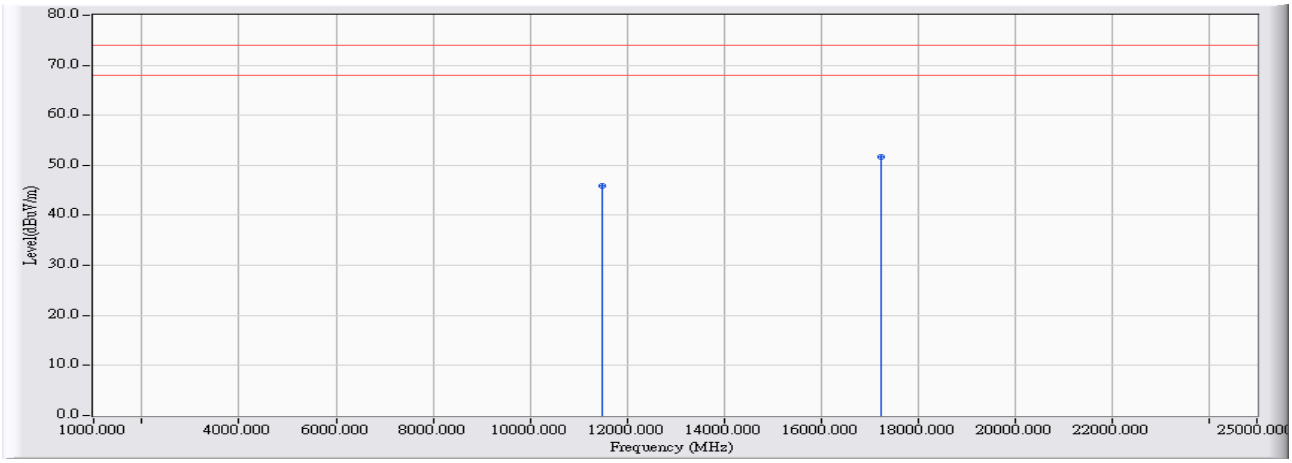


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Average Limit (dBuV/m)	Peak Limit (dBuV/m)	Detector Type
1	*	11600.000	7.470	45.390	52.860	-21.140	54.000	74.000	PEAK
2		17480.000	19.054	33.740	52.794	-21.206	54.000	74.000	PEAK

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 : 2011/11/26 - 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 Ethernet Adapter	**Note : Mode 1: Transmit (Adapter: DVE)** **5745MHz_802.11_n(20MHz)**

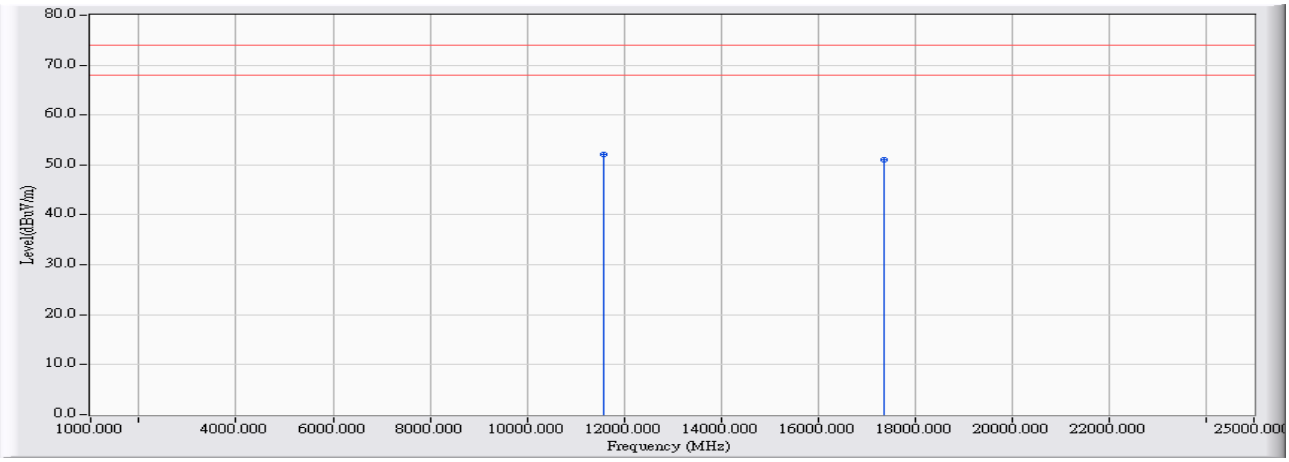


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Average Limit (dBuV/m)	Peak Limit (dBuV/m)	Detector Type
1		11490.000	7.507	38.490	45.997	-28.003	54.000	74.000	PEAK
2	*	17235.000	19.188	32.420	51.607	-22.393	54.000	74.000	PEAK

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 : 2011/11/26 - 18:11**
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 Ethernet Adapter	**Note : Mode 1: Transmit (Adapter: DVE)** **5785MHz_802.11_n(20MHz)**

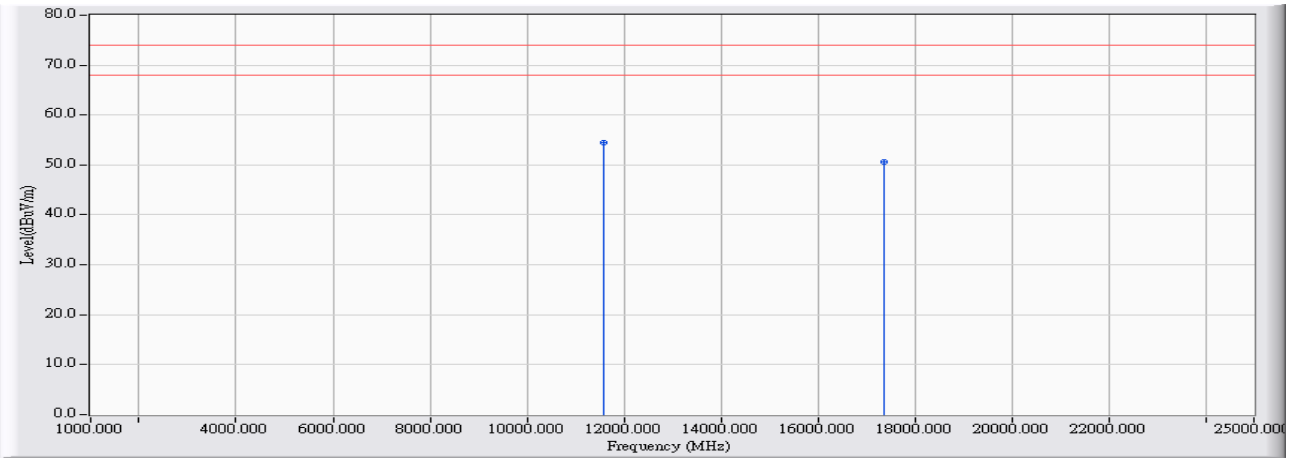


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Average Limit (dBuV/m)	Peak Limit (dBuV/m)	Detector Type
1	*	11570.000	7.433	44.690	52.124	-21.876	54.000	74.000	PEAK
2		17355.000	19.122	31.890	51.012	-22.988	54.000	74.000	PEAK

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 : 2011/11/26 - 18:21**
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 Ethernet Adapter	**Note : Mode 1: Transmit (Adapter: DVE)** **5785MHz_802.11_n(20MHz)**

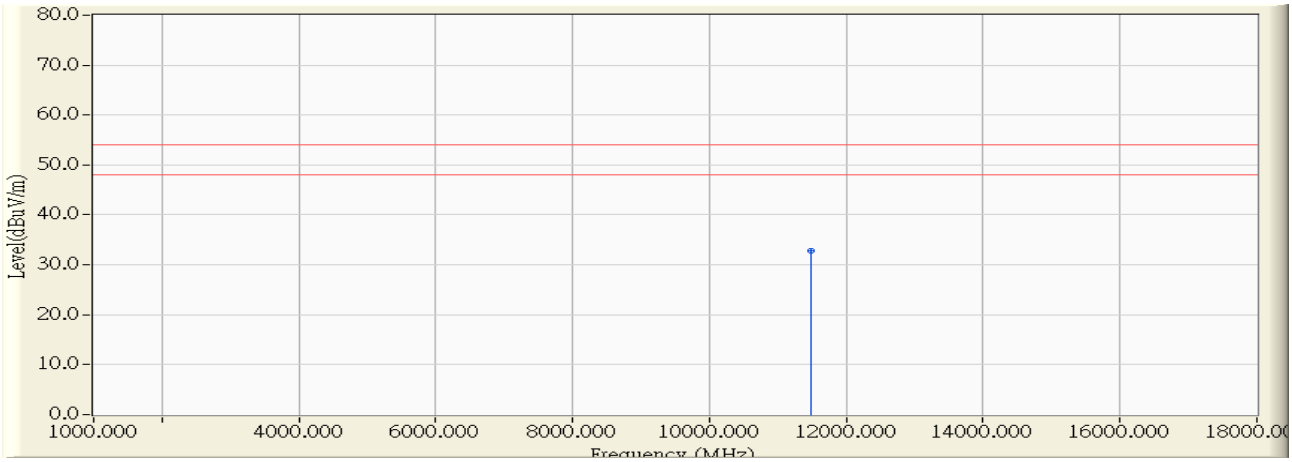


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Average Limit (dBuV/m)	Peak Limit (dBuV/m)	Detector Type
1	*	11570.000	7.433	47.000	54.434	-19.566	54.000	74.000	PEAK
2		17355.000	19.122	31.530	50.652	-23.348	54.000	74.000	PEAK

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 : 2011/12/15 - 13:39**
Limit : FCC_SpartC_15.247_H_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	**Power : AC120V/60Hz**
EUT : Dual-band Wireless-N Ethernet Adapter	**Note : Mode 1: Transmit (Adapter: DVE)** **5785MHz_802.11_n(20MHz)**

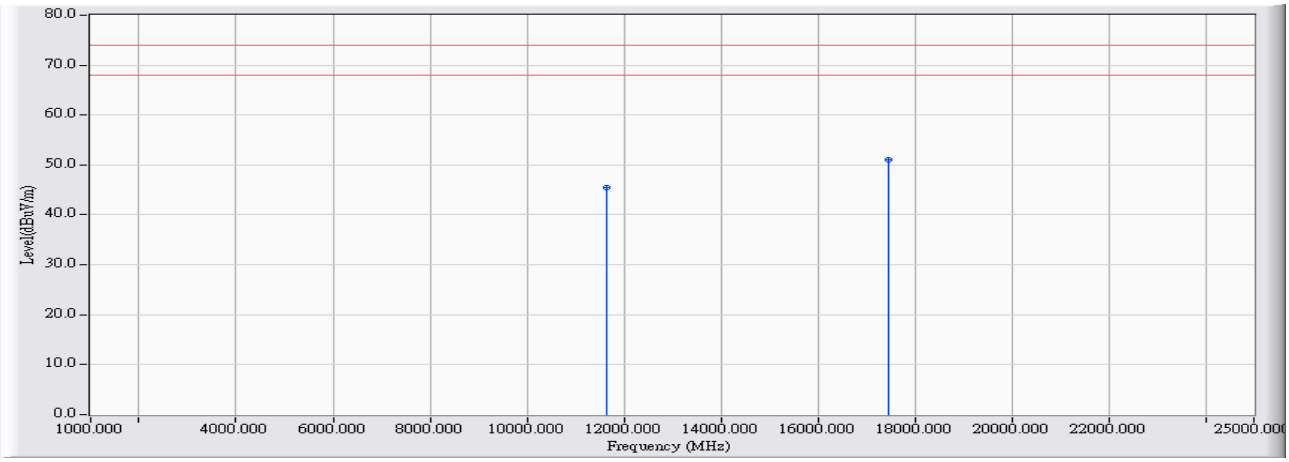


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Average Limit (dBuV/m)	Peak Limit (dBuV/m)	Detector Type
1	*	11490.000	12.136	20.710	32.845	-21.155	54.000	74.000	AVERAGE

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 : 2011/11/26 - 19:02**
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 Ethernet Adapter	**Note : Mode 1: Transmit (Adapter: DVE)** **5825MHz_802.11_n(20MHz)**

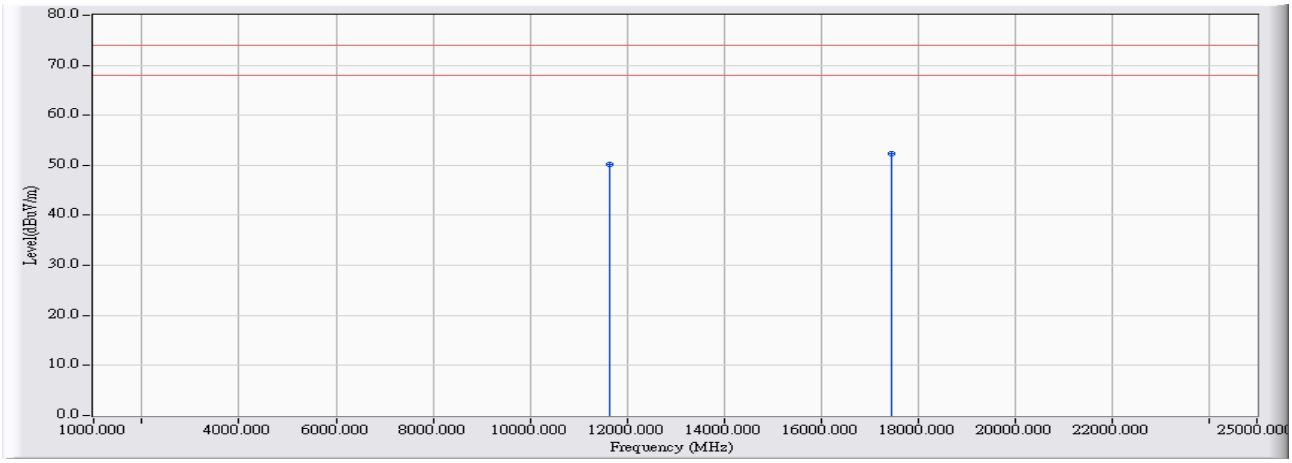


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Average Limit (dBuV/m)	Peak Limit (dBuV/m)	Detector Type
1		11650.000	7.694	37.830	45.524	-28.476	54.000	74.000	PEAK
2	*	17475.000	19.057	32.030	51.087	-22.913	54.000	74.000	PEAK

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 : 2011/11/26 - 19:07**
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 Ethernet Adapter	**Note : Mode 1: Transmit (Adapter: DVE)** **5825MHz_802.11_n(20MHz)**

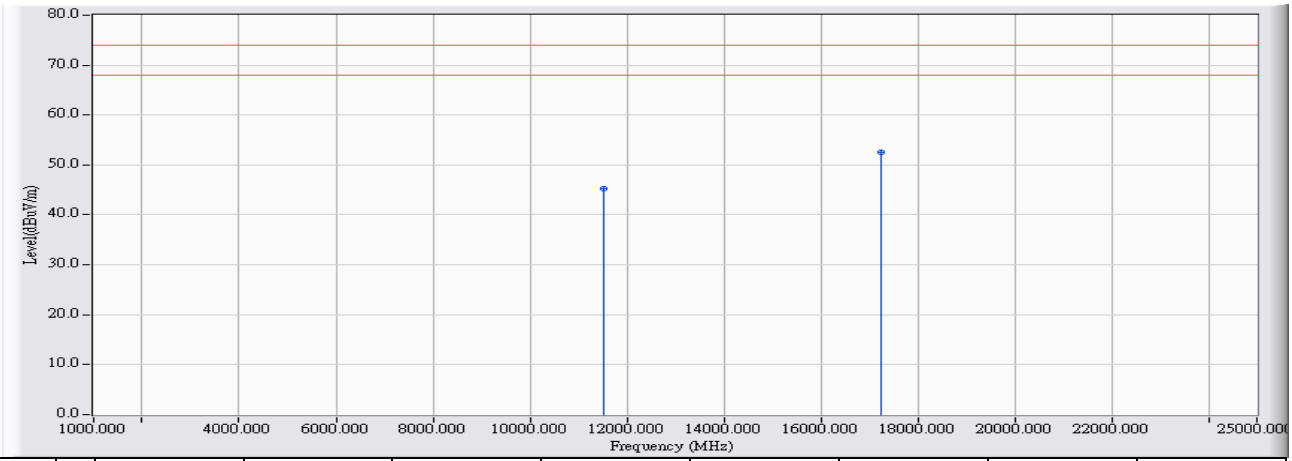


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Average Limit (dBuV/m)	Peak Limit (dBuV/m)	Detector Type
1		11660.000	7.739	42.550	50.289	-23.711	54.000	74.000	PEAK
2	*	17475.000	19.057	33.350	52.407	-21.593	54.000	74.000	PEAK

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 : 2011/11/26 - 19:12**
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 Ethernet Adapter	**Note : Mode 1: Transmit (Adapter: DVE)** **5755MHz_802.11_n(40MHz)**

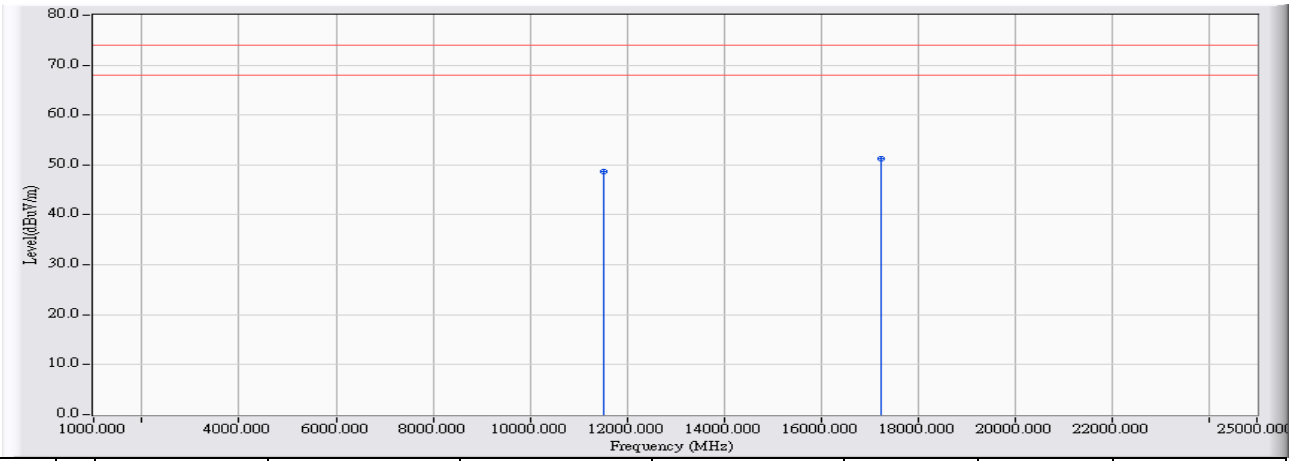


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Average Limit (dBuV/m)	Peak Limit (dBuV/m)	Detector Type
1		11510.000	7.487	37.780	45.267	-28.733	54.000	74.000	PEAK
2	*	17235.000	19.188	33.440	52.627	-21.373	54.000	74.000	PEAK

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 : 2011/11/26 - 19:14**
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 Ethernet Adapter	**Note : Mode 1: Transmit (Adapter: DVE)** **5755MHz_802.11_n(40MHz)**

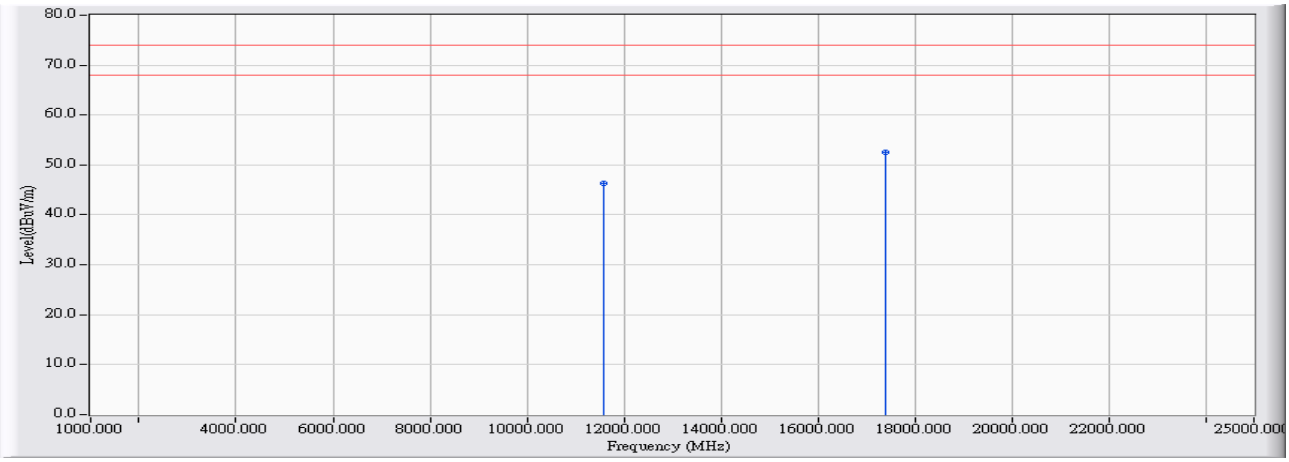


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Average Limit (dBuV/m)	Peak Limit (dBuV/m)
1		11510.000	7.487	41.280	48.767	-25.233	74.000	PEAK
2	*	17235.000	19.188	32.100	51.287	-22.713	74.000	PEAK

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 : 2011/11/26 - 19:16**
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 Ethernet Adapter	**Note : Mode 1: Transmit (Adapter: DVE)** **5795MHz_802.11_n(40MHz)**

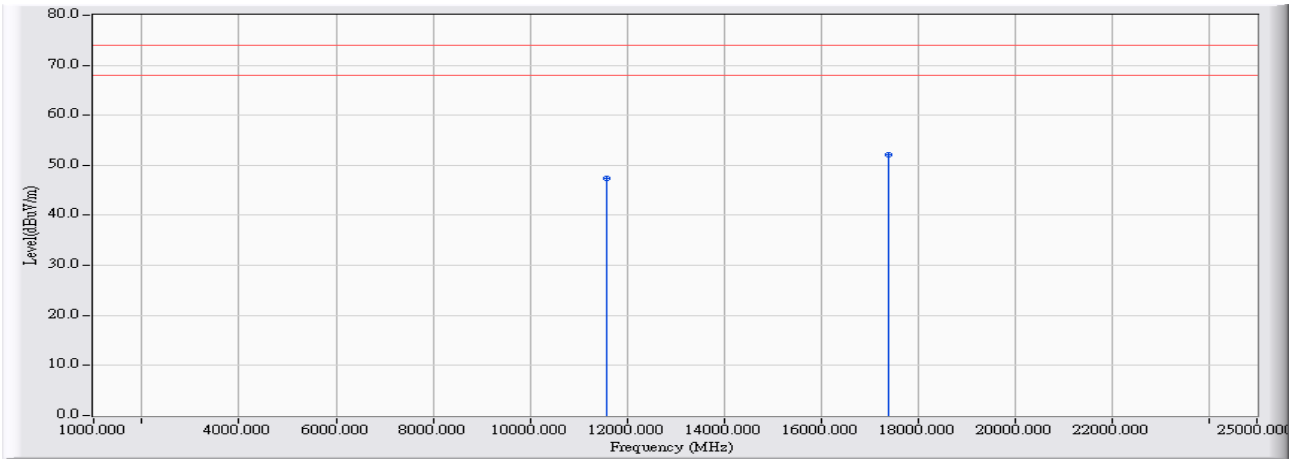


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Average Limit (dBuV/m)	Peak Limit (dBuV/m)	Detector Type
1		11590.000	7.437	38.850	46.287	-27.713	54.000	74.000	PEAK
2	*	17385.000	19.106	33.420	52.526	-21.474	54.000	74.000	PEAK

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 : 2011/11/26 - 19:19**
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 Ethernet Adapter	**Note : Mode 1: Transmit (Adapter: DVE)** **5795MHz_802.11_n(40MHz)**



		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	7.437	39.930	47.367	-26.633	54.000	74.000	PEAK
2	*	17385.000	19.106	33.000	52.106	-21.894	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:

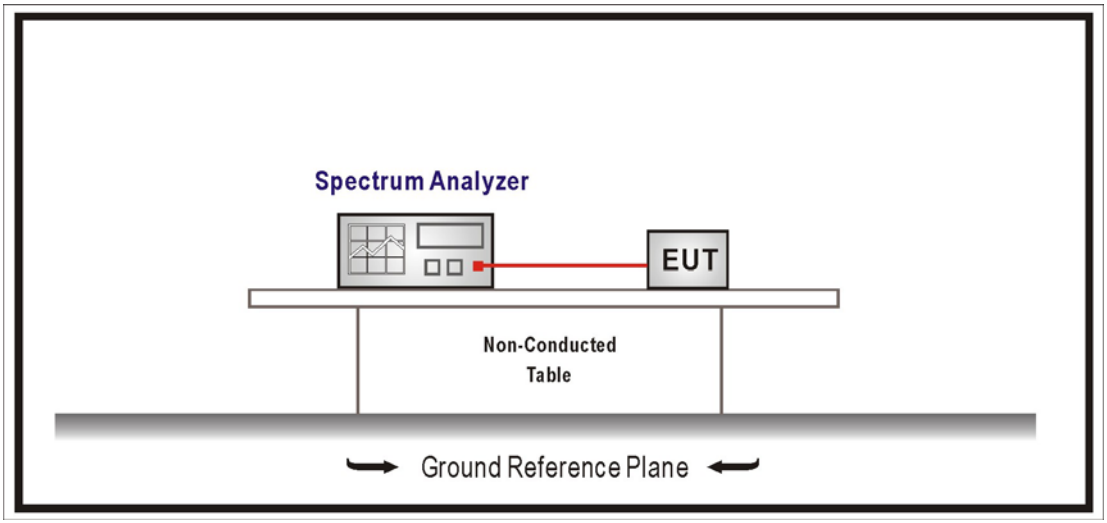
RF antenna conducted test / SR7

Instrument	Manufacturer	Model No.	Serial No	Cal. Date	Next Cal. Date
Spectrum Analyzer	R&S	FSP	100561	2011/01/17	2012/01/16

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

5.2. Test Setup

RF Antenna Conducted Measurement:



5.3. Limits

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

5.4. Test Procedure

The EUT was setup according to ANSI C63.4: 2009 and tested according to DTS test procedure of Oct 2002 KDB558074 for compliance to FCC 47CFR 15.247 requirements
Set RBW = 100 kHz, Set VBW> RBW, scan up through 10th harmonic.

5.5. Test Specification

According to FCC Part 15 Subpart C Paragraph 15.247: 2010

5.6. Uncertainty

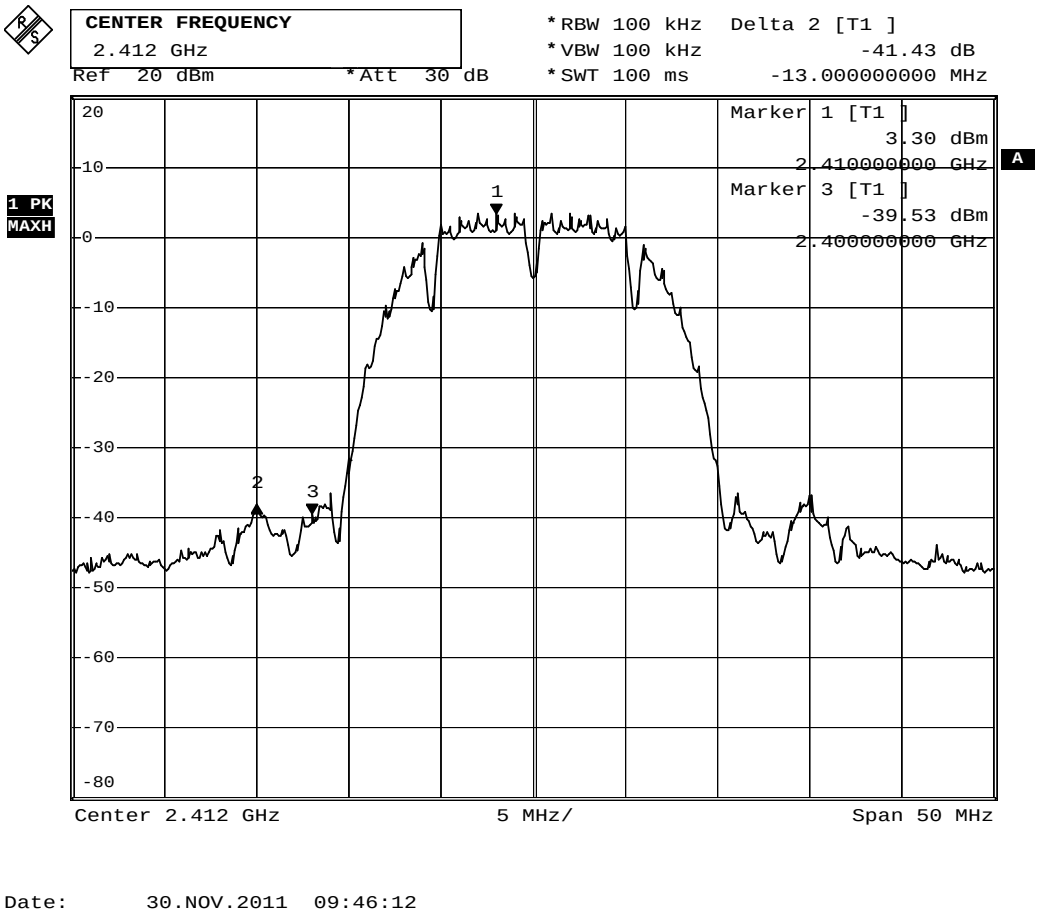
Conducted is defined as ± 1.27dB

5.7. Test Result

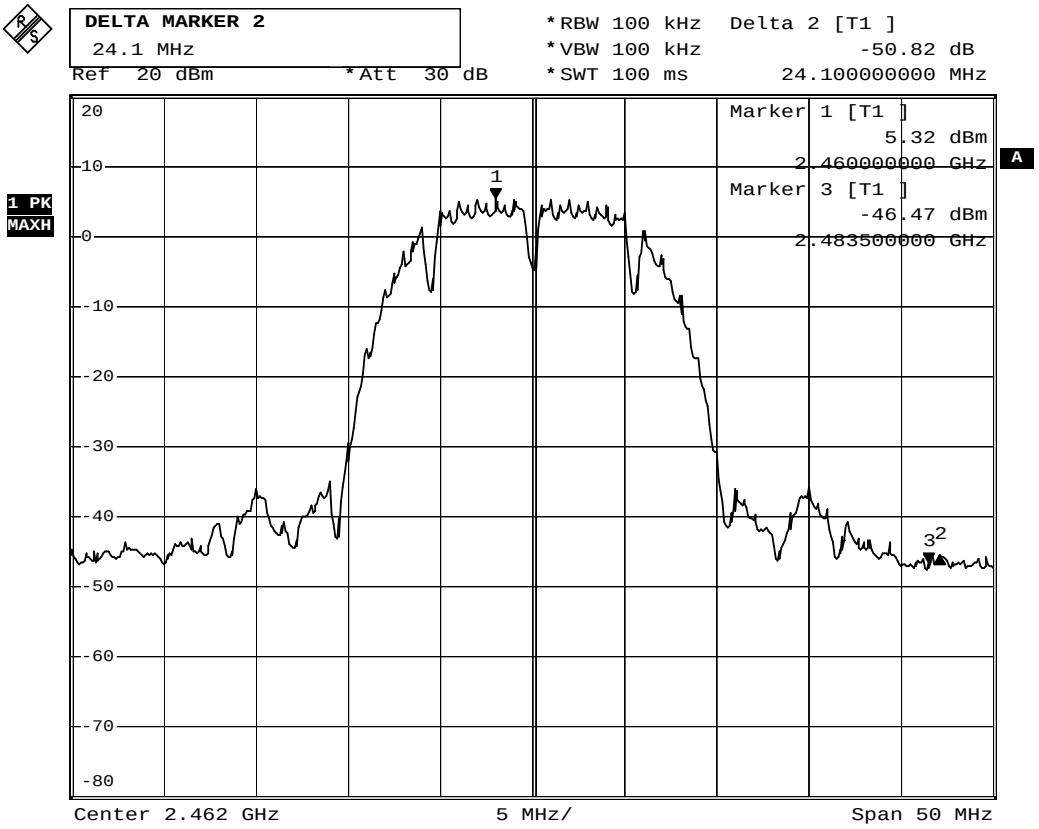
Product	Dual-band Wireless-N Ethernet Adapter		
Test Item	RF antenna conducted test		
Test Mode	Mode 1: Transmit (Adapter: DVE)		
Date of Test	2011/11/30	Test Site	SR7

IEEE 802.11b, Antenna Gain: 2dBi Duty Cycle: 1				
Channel No.	Frequency (MHz)	Measure Level (dBc)	Limit (dBc)	Result
1	2412	41.43	≥20	Pass
11	2462	50.82	≥20	Pass

Channel 01 (2412MHz)



Channel 11 (2462MHz)

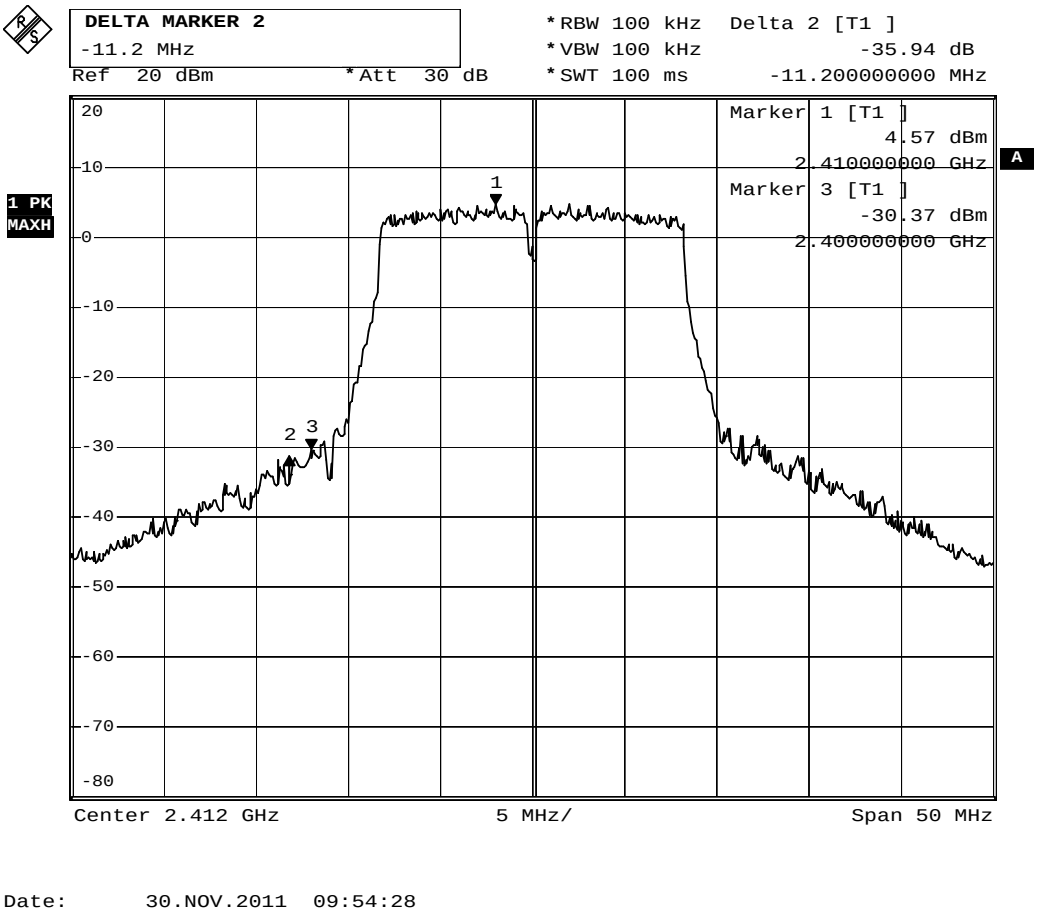


Date: 30.NOV.2011 09:48:54

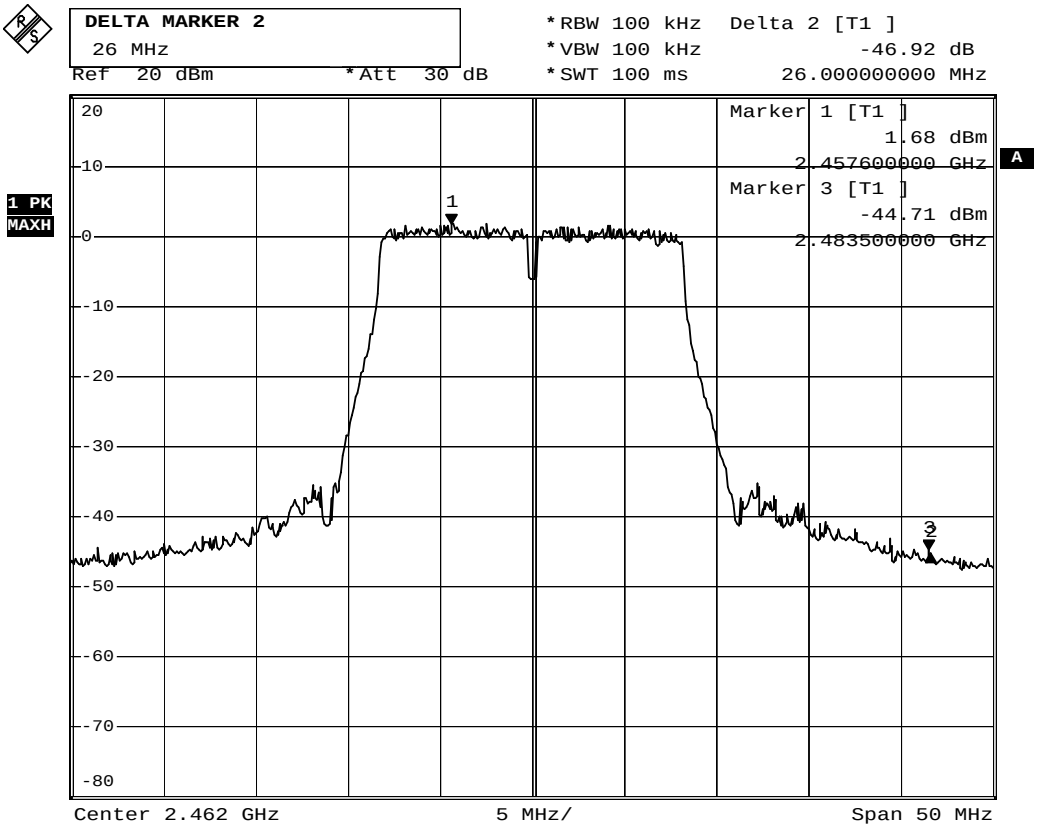
Product	Dual-band Wireless-N Ethernet Adapter		
Test Item	RF antenna conducted test		
Test Mode	Mode 1: Transmit (Adapter: DVE)		
Date of Test	2011/11/30	Test Site	SR7

IEEE 802.11g, Antenna Gain: 2dBi Duty Cycle: 1				
Channel No.	Frequency (MHz)	Measure Level (dBc)	Limit (dBc)	Result
1	2412	35.94	≥20	Pass
11	2462	46.92	≥20	Pass

Channel 01 (2412MHz)



Channel 11 (2462MHz)

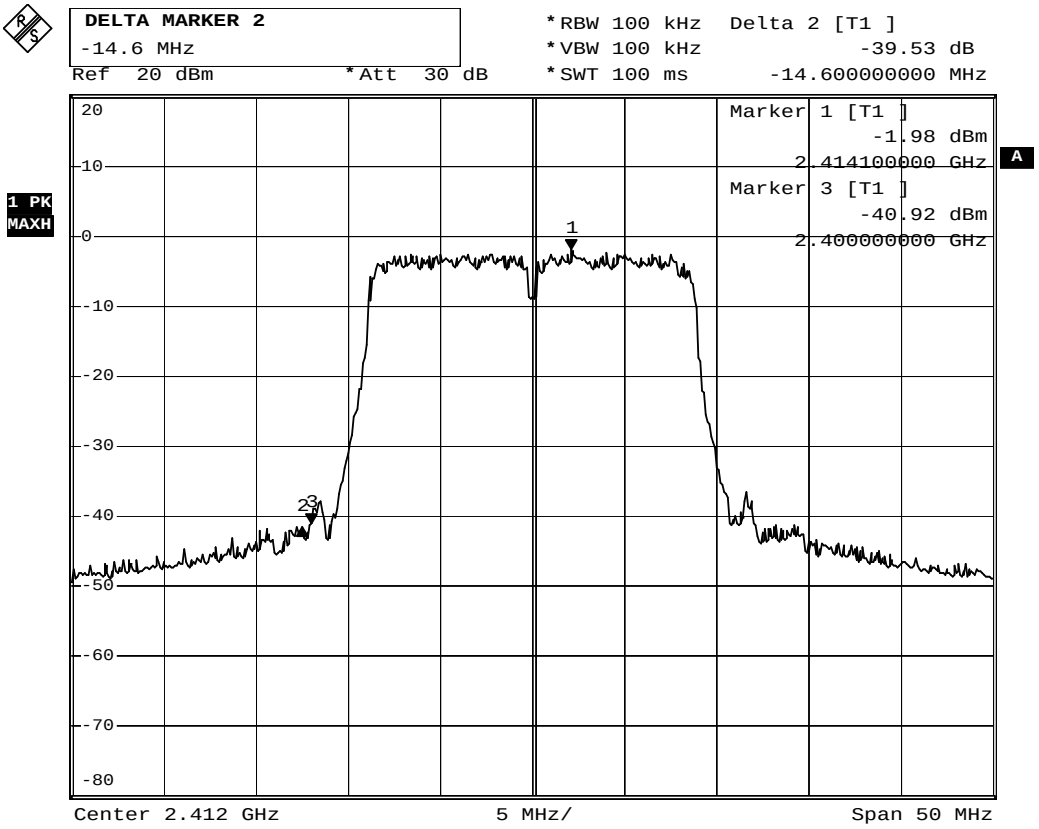


Date: 30.NOV.2011 09:55:54

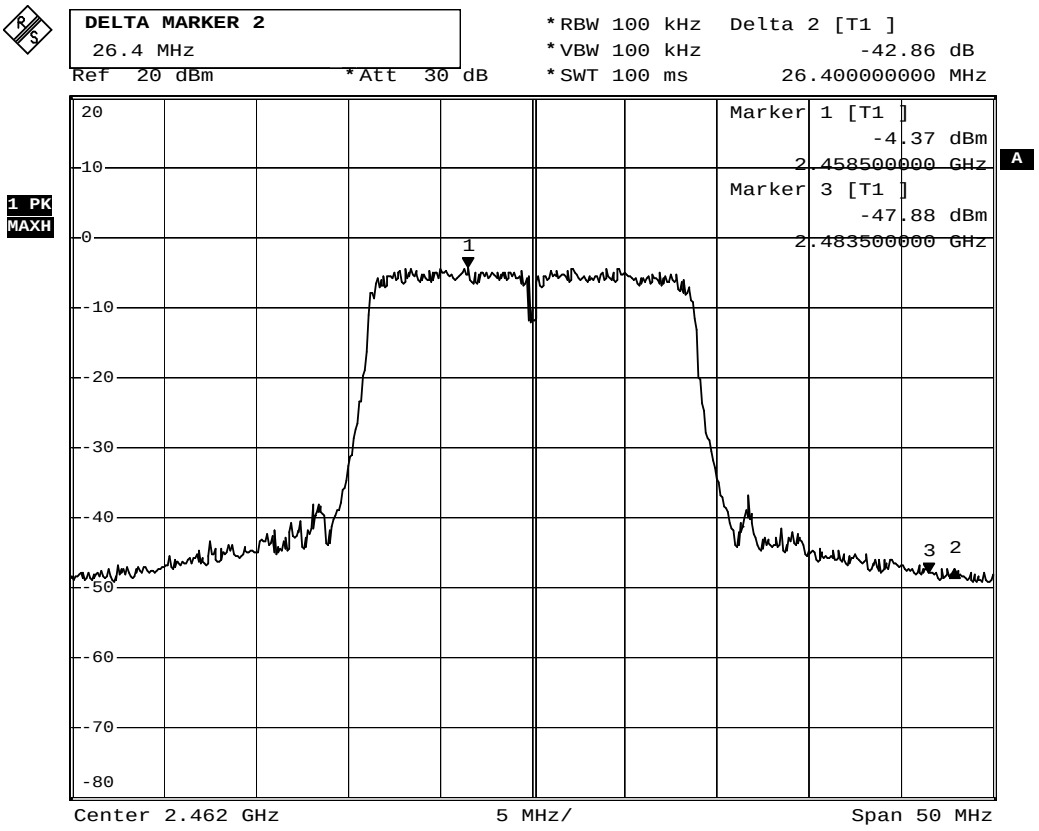
Product	Dual-band Wireless-N Ethernet Adapter		
Test Item	RF antenna conducted test		
Test Mode	Mode 1: Transmit (Adapter: DVE)		
Date of Test	2011/11/30	Test Site	SR7

IEEE 802.11n (20MHz), (ANT 0) , Antenna Gain: 2dBi Duty Cycle: 1				
Channel No.	Frequency (MHz)	Measure Level (dBc)	Limit (dBc)	Result
1	2412	39.53	≥20	Pass
11	2462	42.86	≥20	Pass

Channel 1 (2412MHz)



Channel 11 (2462MHz)

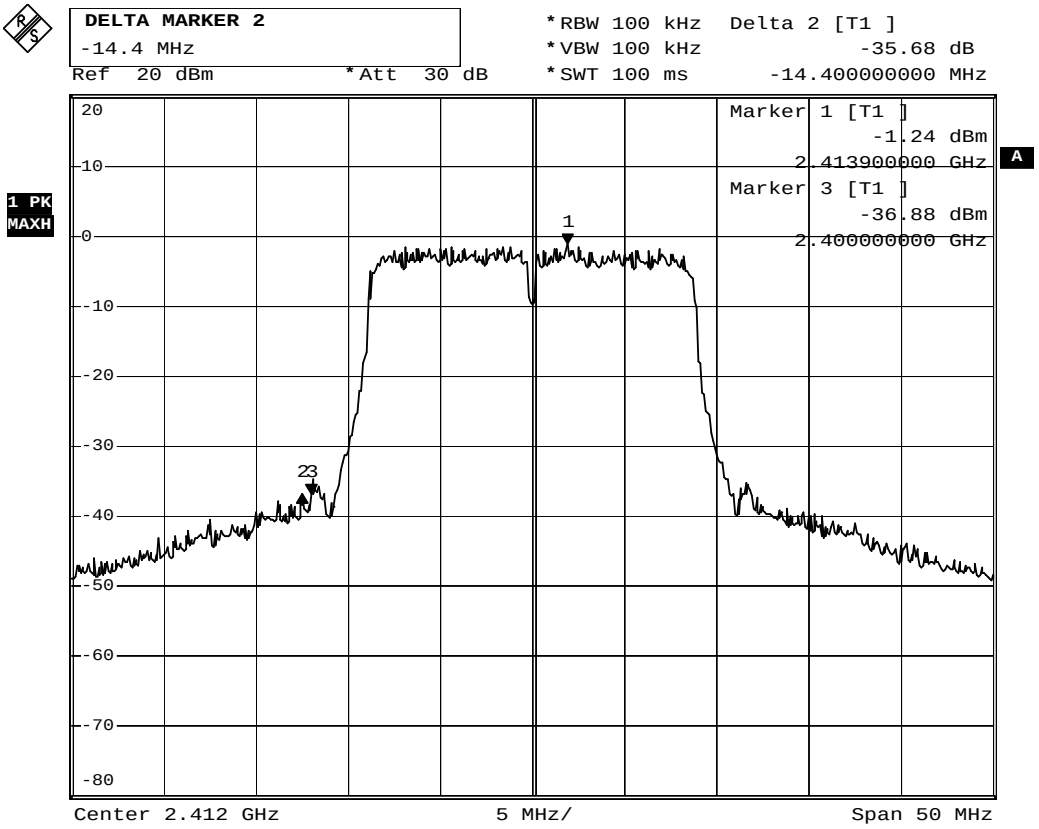


Date: 30.NOV.2011 10:05:17

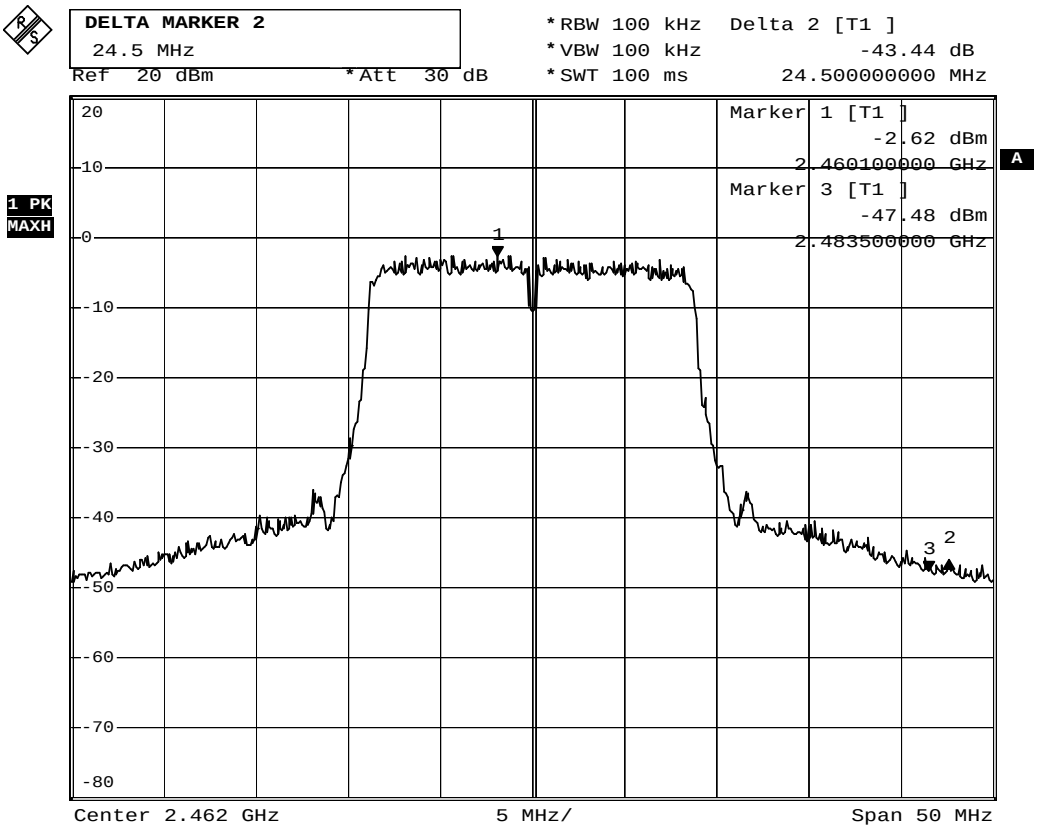
Product	Dual-band Wireless-N Ethernet Adapter		
Test Item	RF antenna conducted test		
Test Mode	Mode 1: Transmit (Adapter: DVE)		
Date of Test	2011/11/30	Test Site	SR7

IEEE 802.11n (20MHz), (ANT 1) , Antenna Gain: 2dBi Duty Cycle: 1				
Channel No.	Frequency (MHz)	Measure Level (dBc)	Limit (dBc)	Result
1	2412	35.68	≥20	Pass
11	2462	43.44	≥20	Pass

Channel 1 (2412MHz)



Channel 11 (2462MHz)

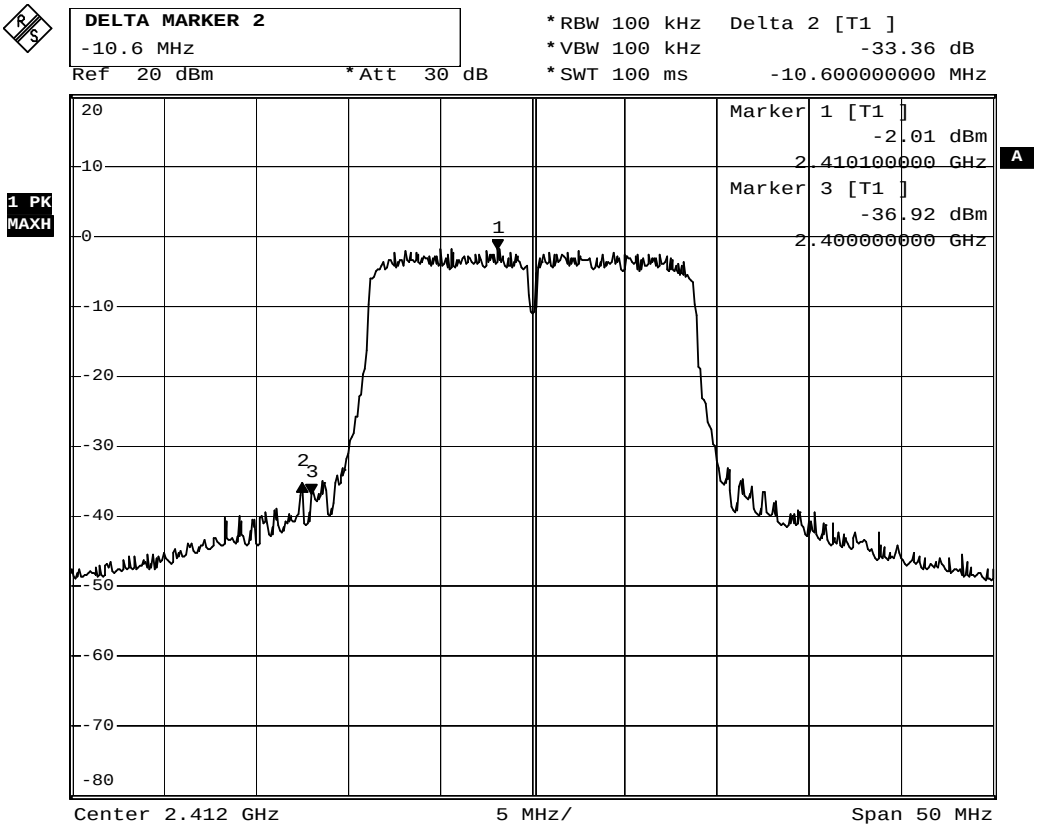


Date: 30.NOV.2011 10:04:22

Product	Dual-band Wireless-N Ethernet Adapter		
Test Item	RF antenna conducted test		
Test Mode	Mode 1: Transmit (Adapter: DVE)		
Date of Test	2011/11/30	Test Site	SR7

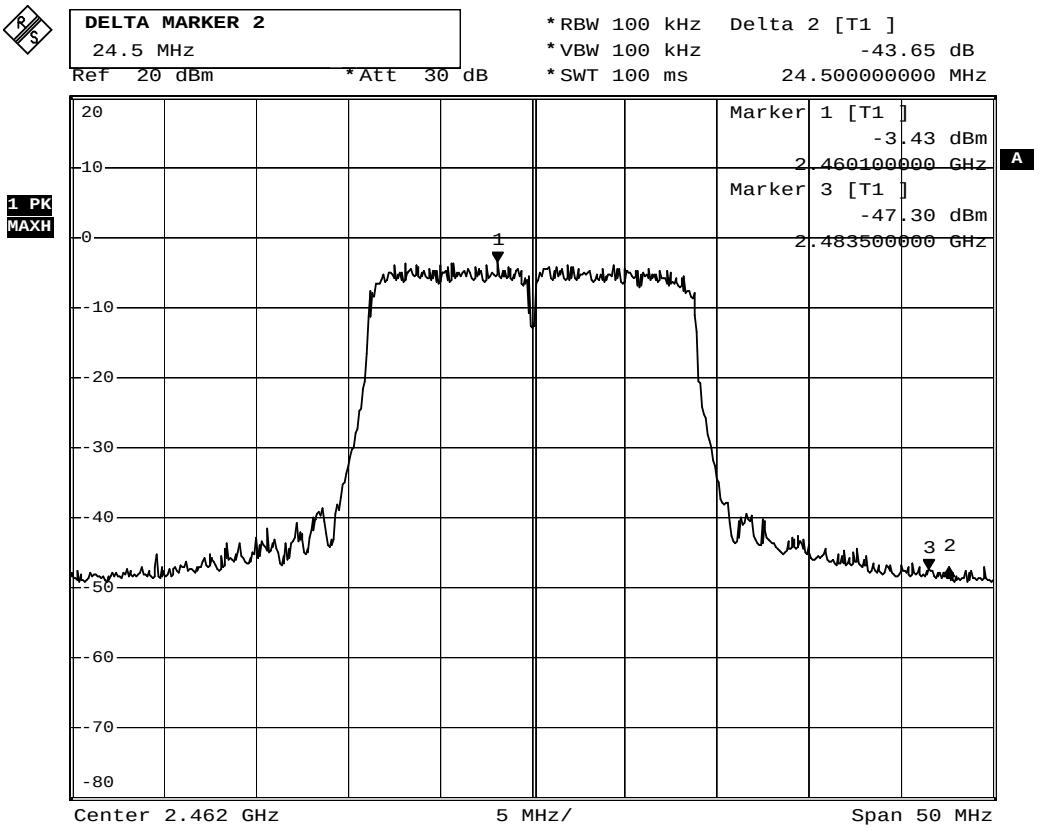
IEEE 802.11n (20MHz), (ANT 2) , Antenna Gain: 2dBi Duty Cycle: 1				
Channel No.	Frequency (MHz)	Measure Level (dBc)	Limit (dBc)	Result
1	2412	33.36	≥20	Pass
11	2462	43.65	≥20	Pass

Channel 1 (2412MHz)



Date: 30.NOV.2011 10:01:20

Channel 11 (2462MHz)

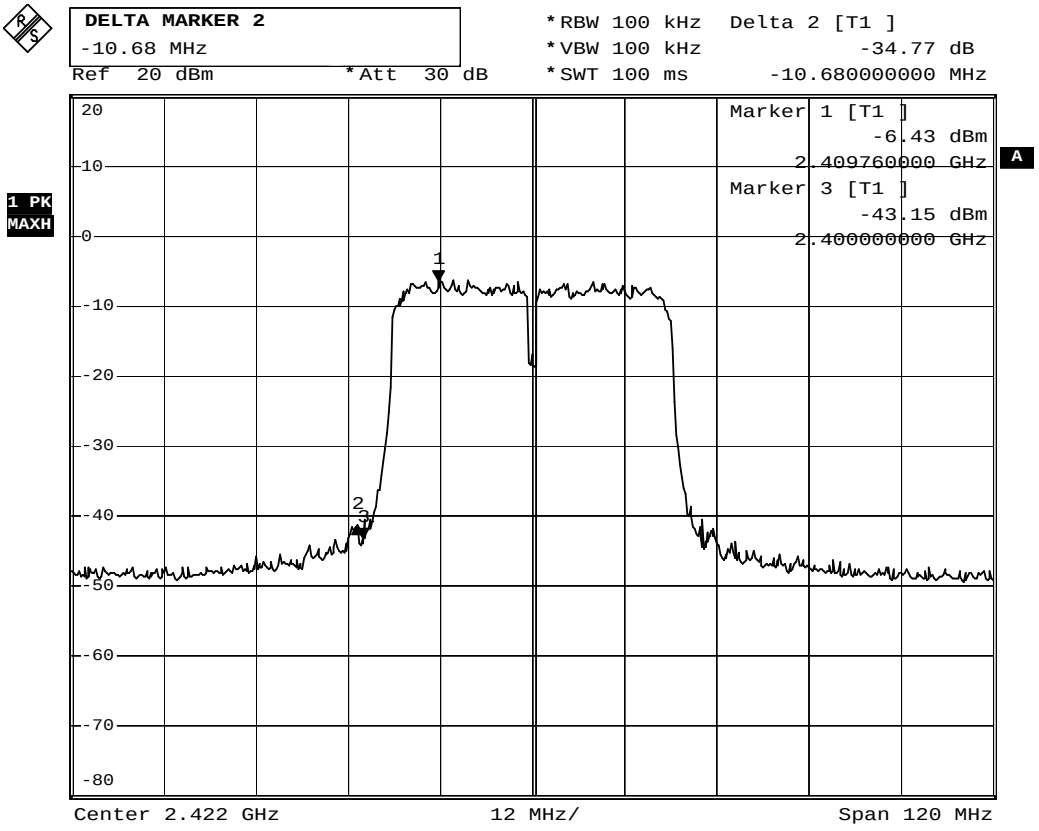


Date: 30.NOV.2011 10:03:11

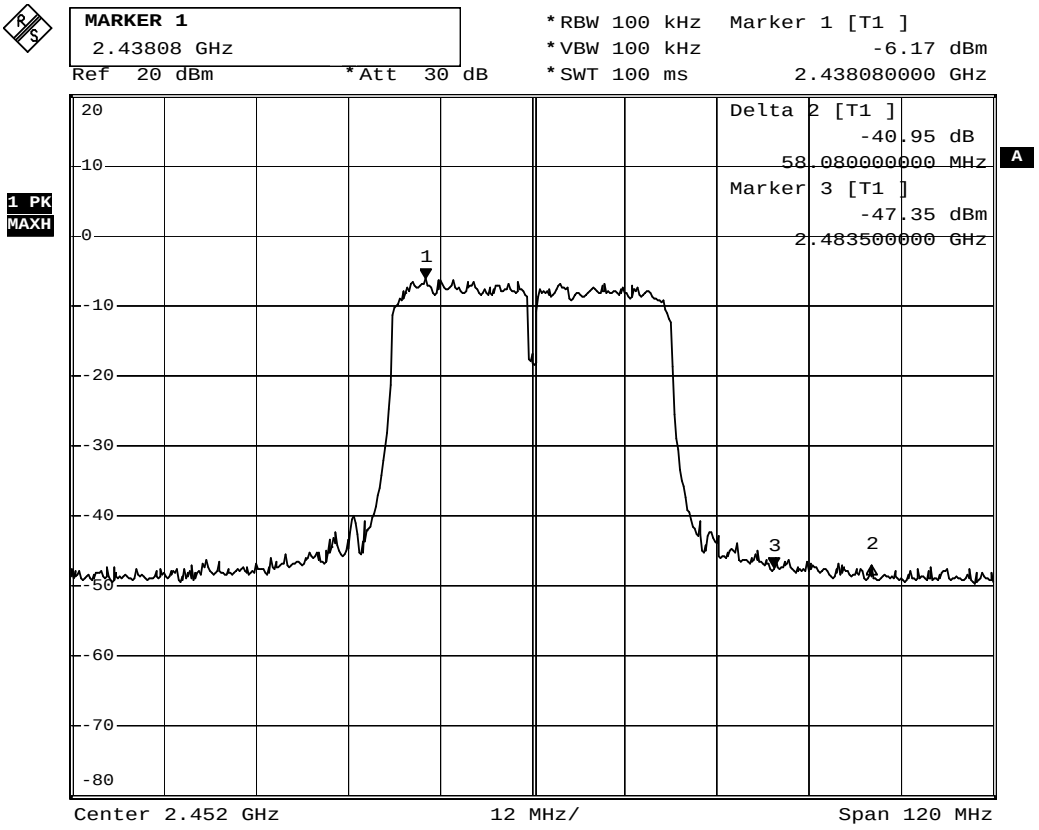
Product	Dual-band Wireless-N Ethernet Adapter		
Test Item	RF antenna conducted test		
Test Mode	Mode 1: Transmit (Adapter: DVE)		
Date of Test	2011/11/30	Test Site	SR7

IEEE 802.11n (40MHz), (ANT 0) , Antenna Gain: 2dBi Duty Cycle: 1				
Channel No.	Frequency (MHz)	Measure Level (dBc)	Limit (dBc)	Result
3	2422	34.77	≥20	Pass
9	2452	40.95	≥20	Pass

Channel 3 (2422MHz)



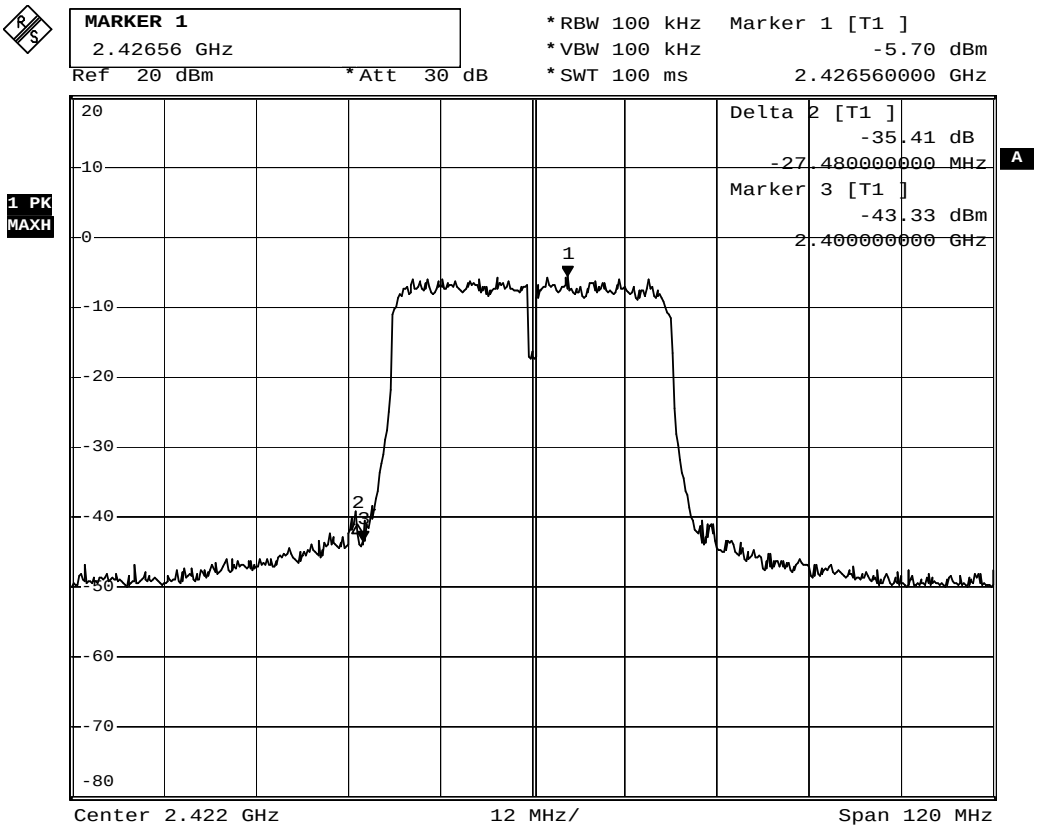
Channel 9 (2452MHz)



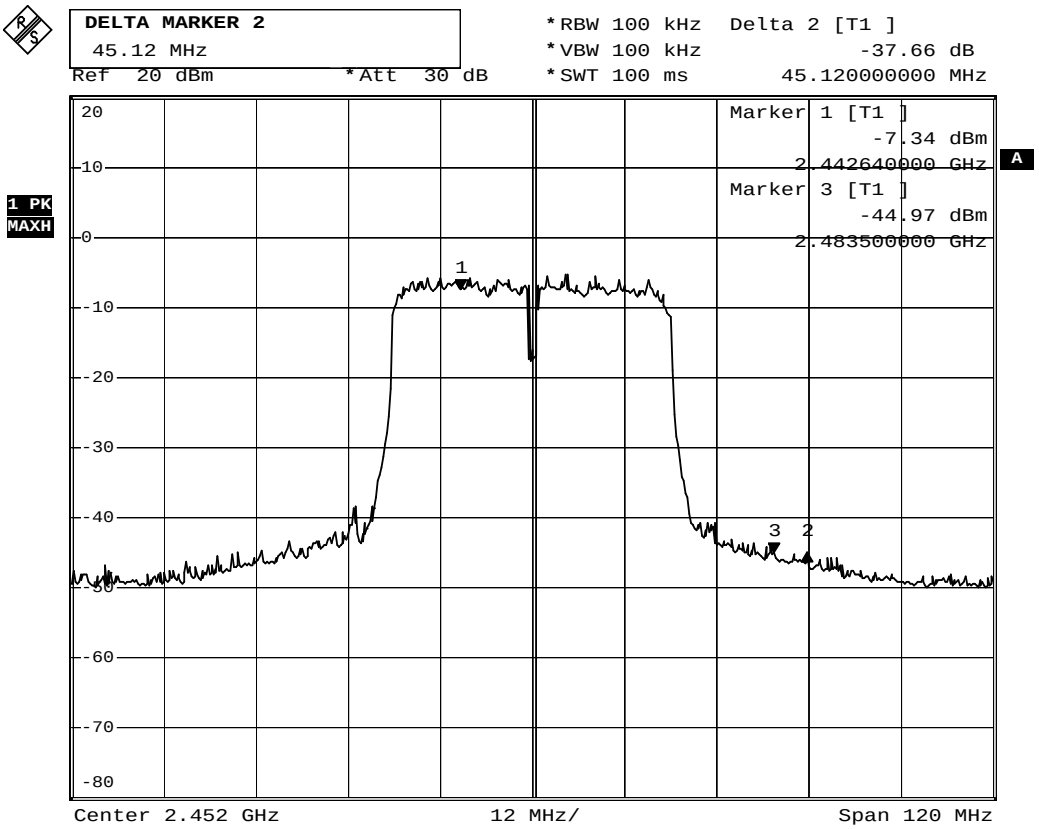
Product	Dual-band Wireless-N Ethernet Adapter		
Test Item	RF antenna conducted test		
Test Mode	Mode 1: Transmit (Adapter: DVE)		
Date of Test	2011/11/30	Test Site	SR7

IEEE 802.11n (40MHz), (ANT 1), Antenna Gain: 2dBi Duty Cycle: 1				
Channel No.	Frequency (MHz)	Measure Level (dBc)	Limit (dBc)	Result
3	2422	35.41	≥20	Pass
9	2452	37.66	≥20	Pass

Channel 3 (2422MHz)



Channel 9 (2452MHz)

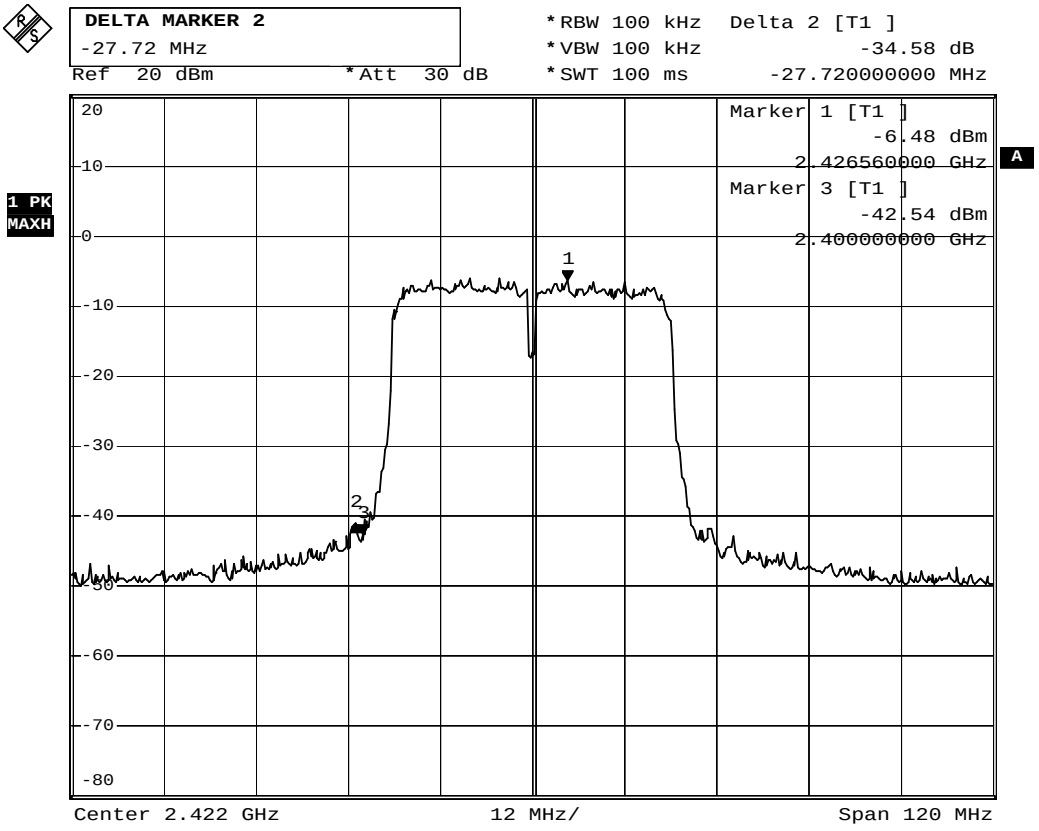


Date: 30.NOV.2011 10:11:07

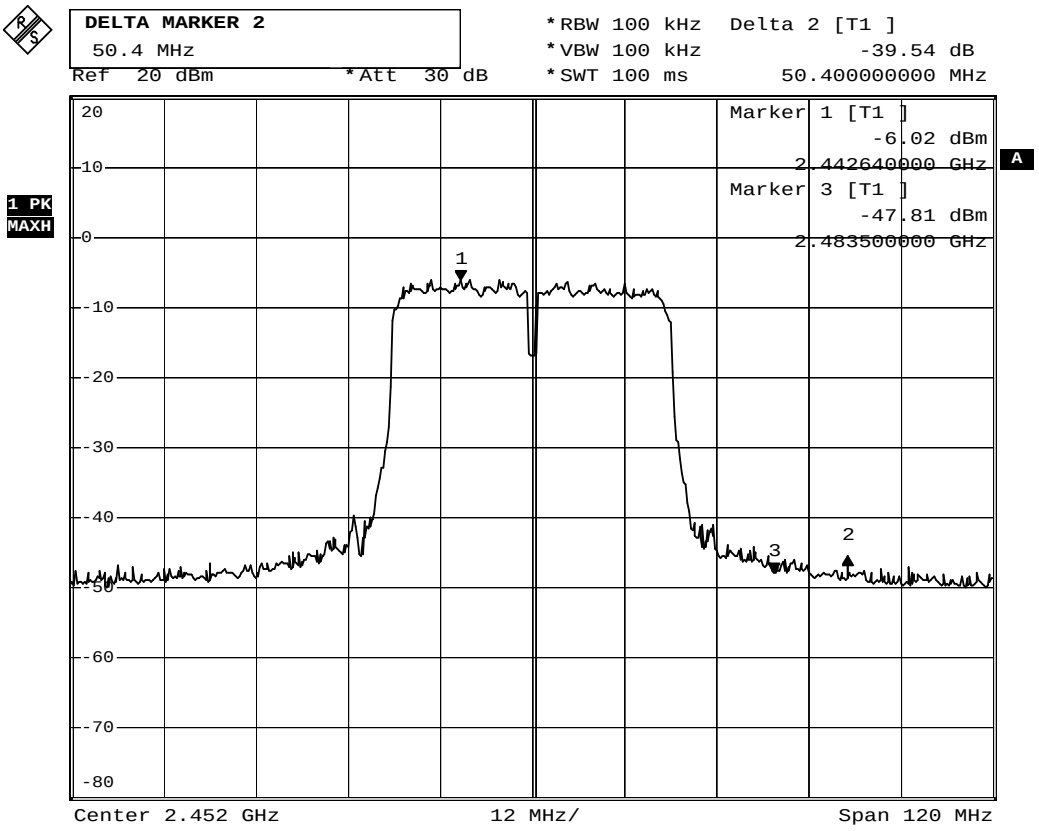
Product	Dual-band Wireless-N Ethernet Adapter		
Test Item	RF antenna conducted test		
Test Mode	Mode 1: Transmit (Adapter: DVE)		
Date of Test	2011/11/30	Test Site	SR7

IEEE 802.11n (40MHz), (ANT 2) , Antenna Gain: 2dBi Duty Cycle: 1				
Channel No.	Frequency (MHz)	Measure Level (dBc)	Limit (dBc)	Result
3	2422	34.58	≥20	Pass
9	2452	39.54	≥20	Pass

Channel 3 (2422MHz)



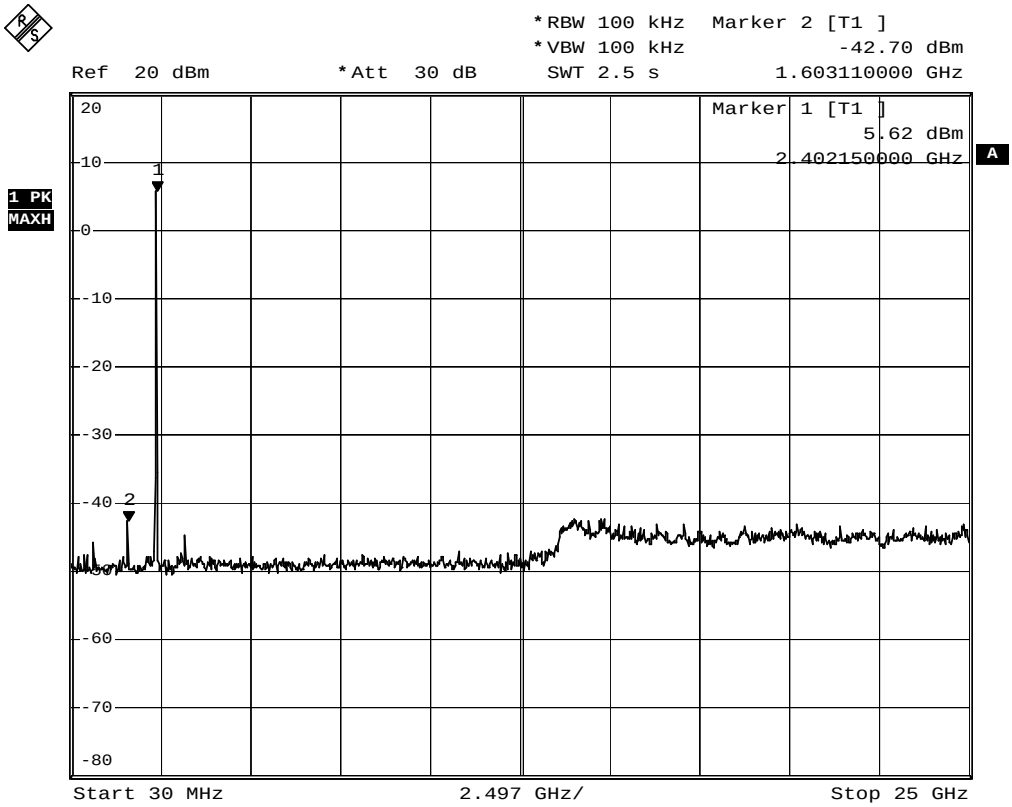
Channel 9 (2452MHz)



Date: 30.NOV.2011 10:11:52

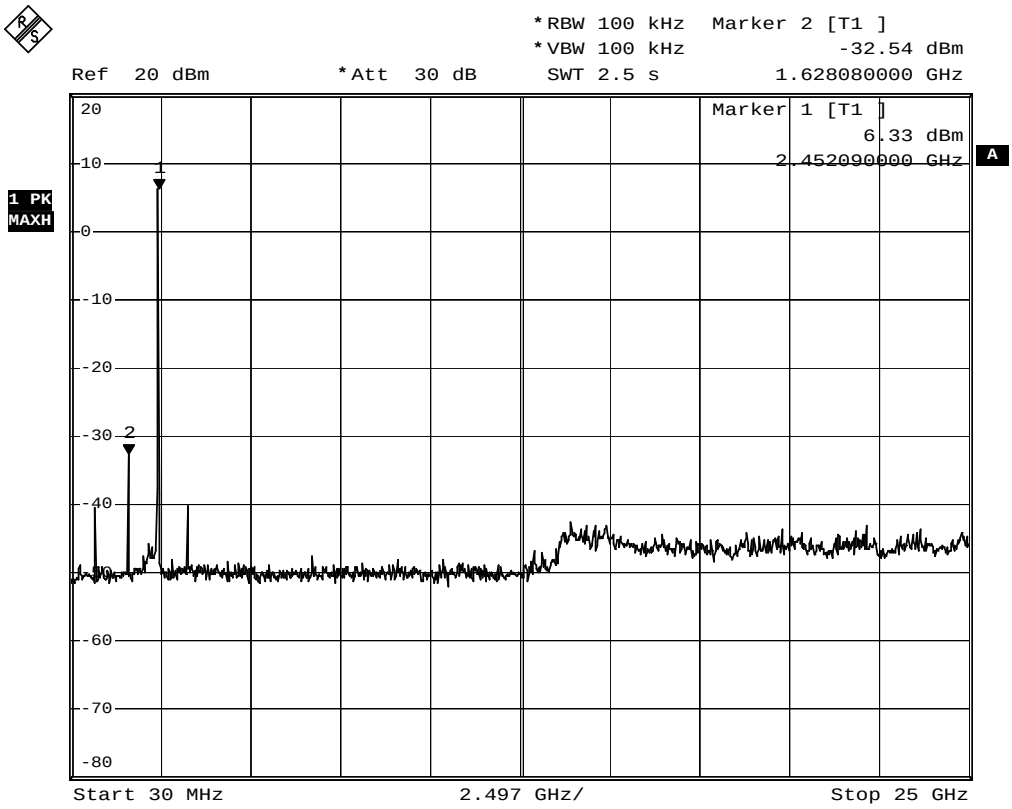
Product	Dual-band Wireless-N Ethernet Adapter		
Test Item	RF antenna conducted test		
Test Mode	Mode 1: Transmit (Adapter: DVE)		
Date of Test	2011/11/30	Test Site	SR7

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



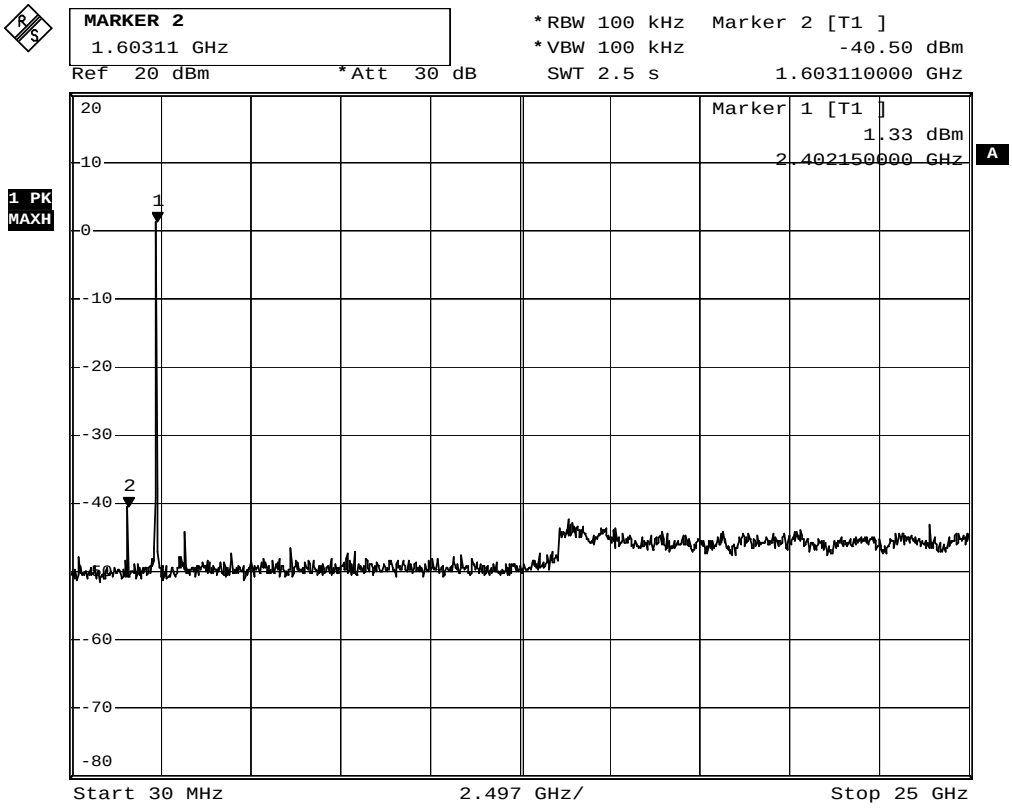
Comment: A:\2
Date: 30.NOV.2011 18:49:18

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



Comment: A:\2
Date: 30.NOV.2011 18:51:30

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



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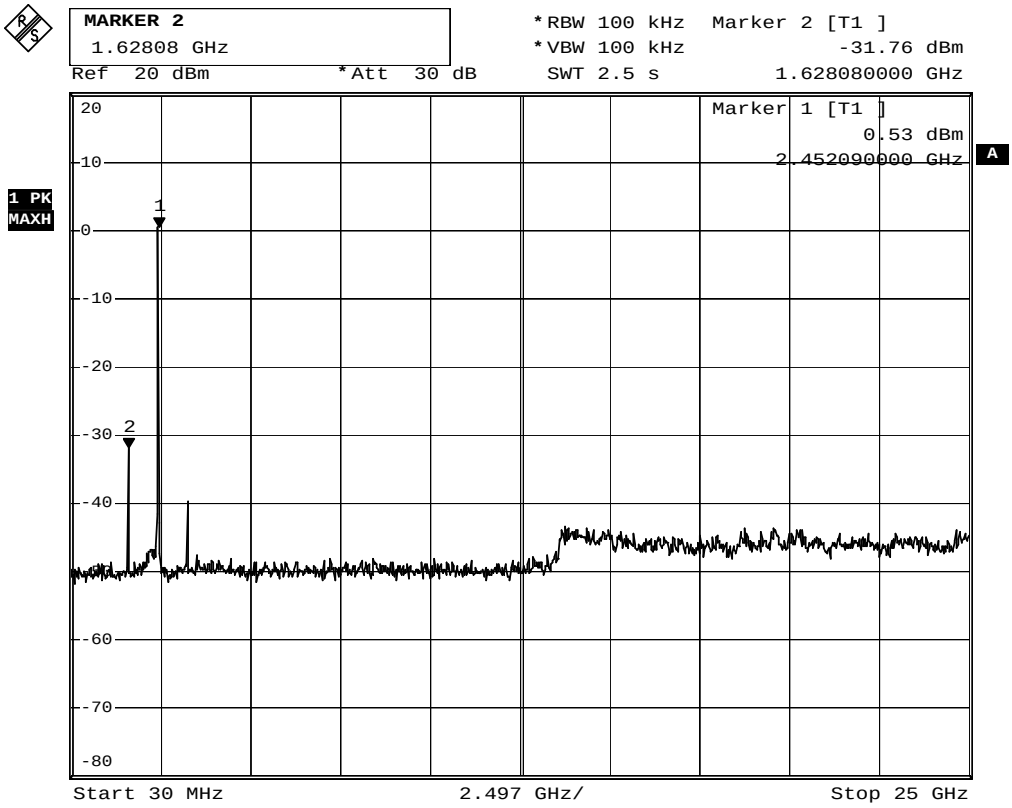
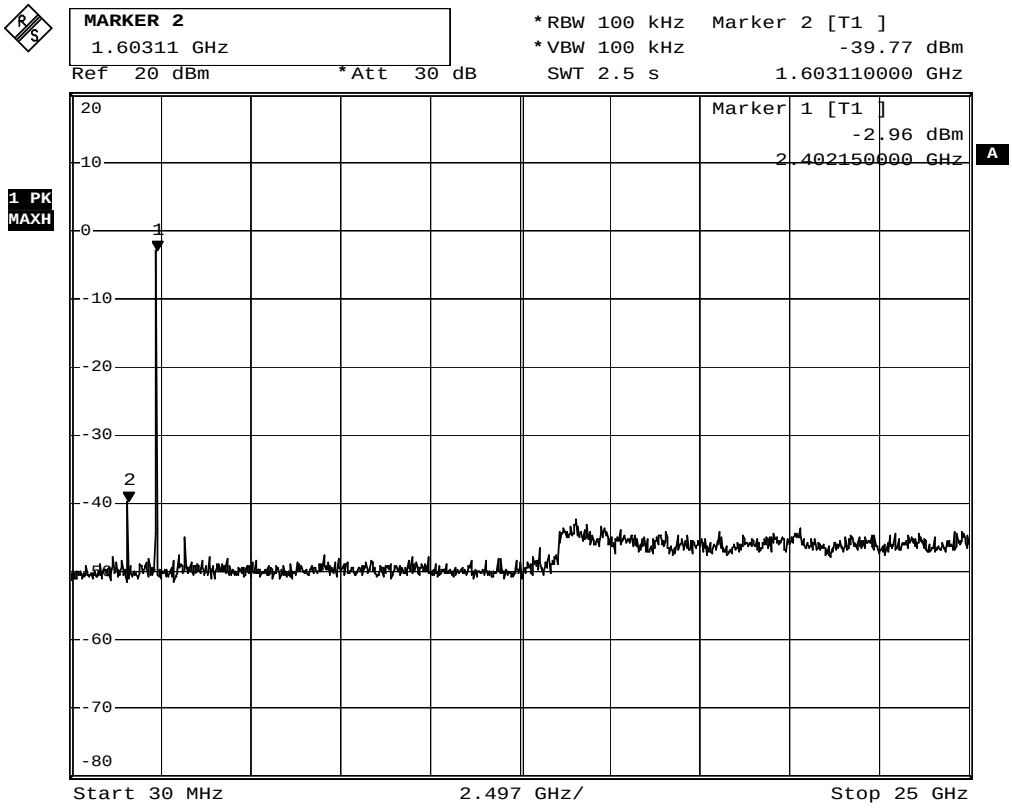
Date: 30.NOV.2011 18:52:42

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



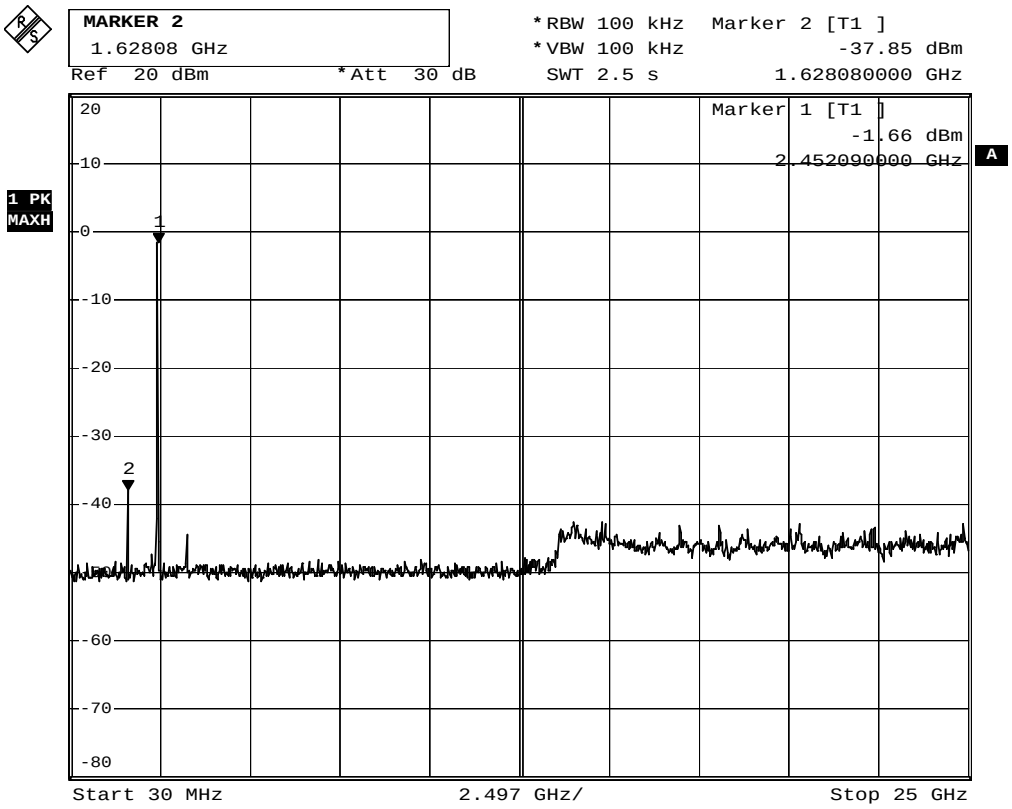
Comment: A:\2
Date: 30.NOV.2011 18:53:34

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



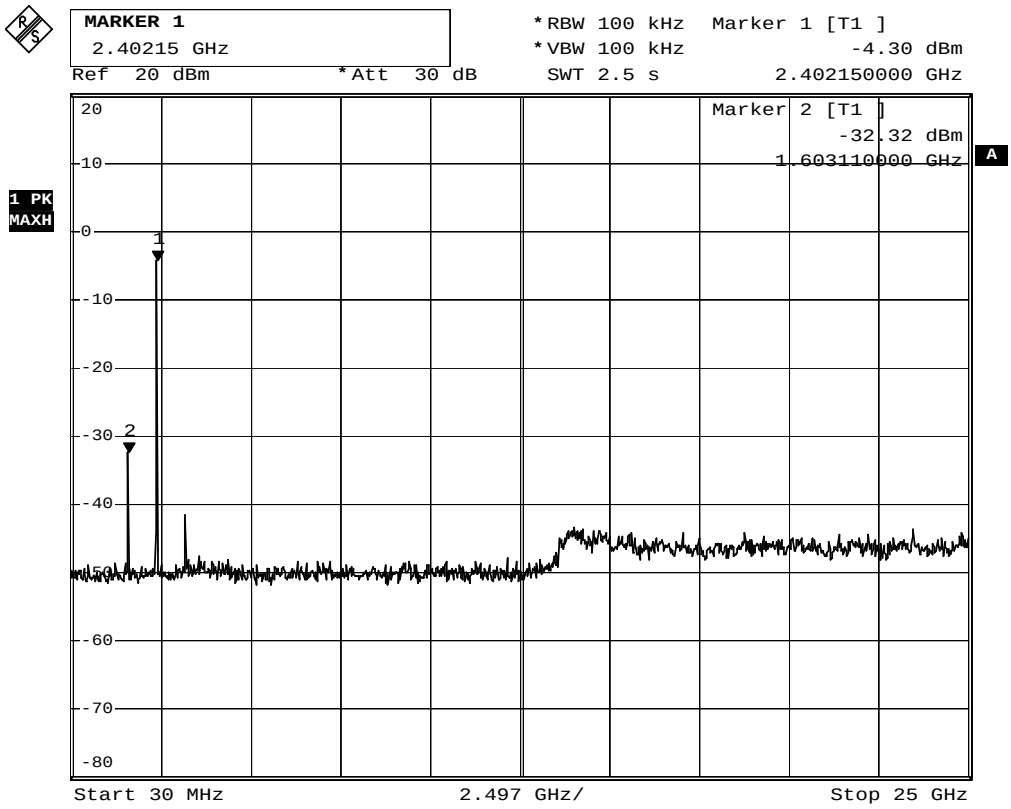
Comment: A:\2
Date: 30.NOV.2011 18:56:31

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



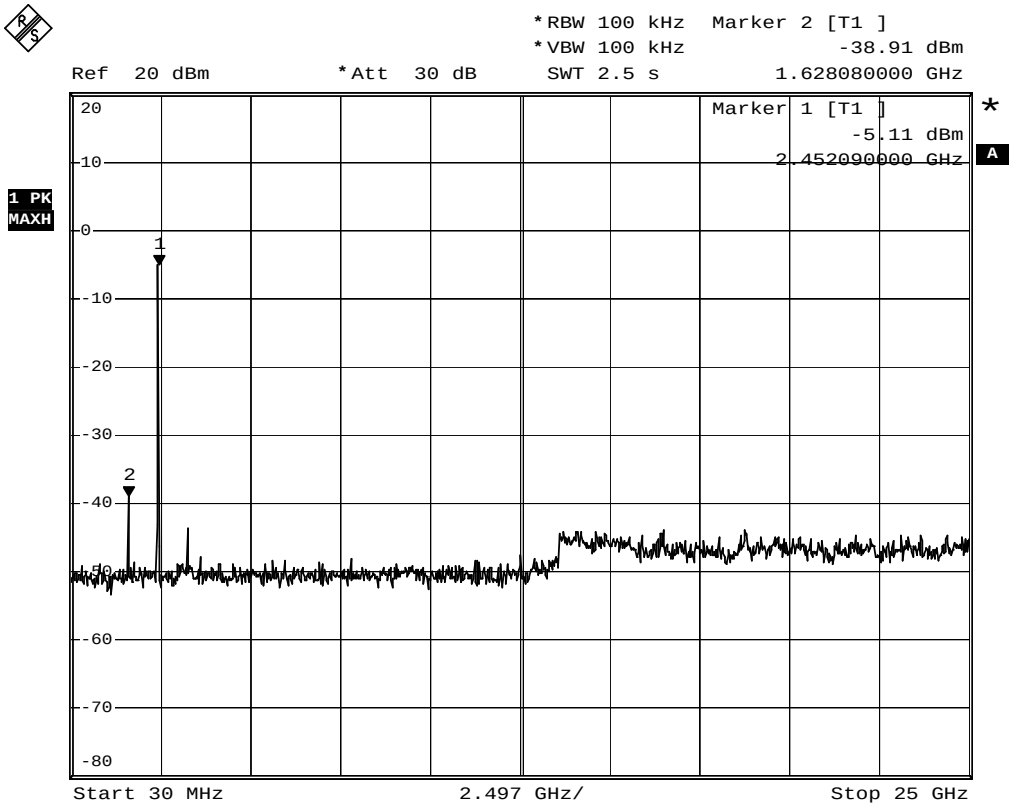
Comment: A:\2
Date: 30.NOV.2011 18:57:35

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



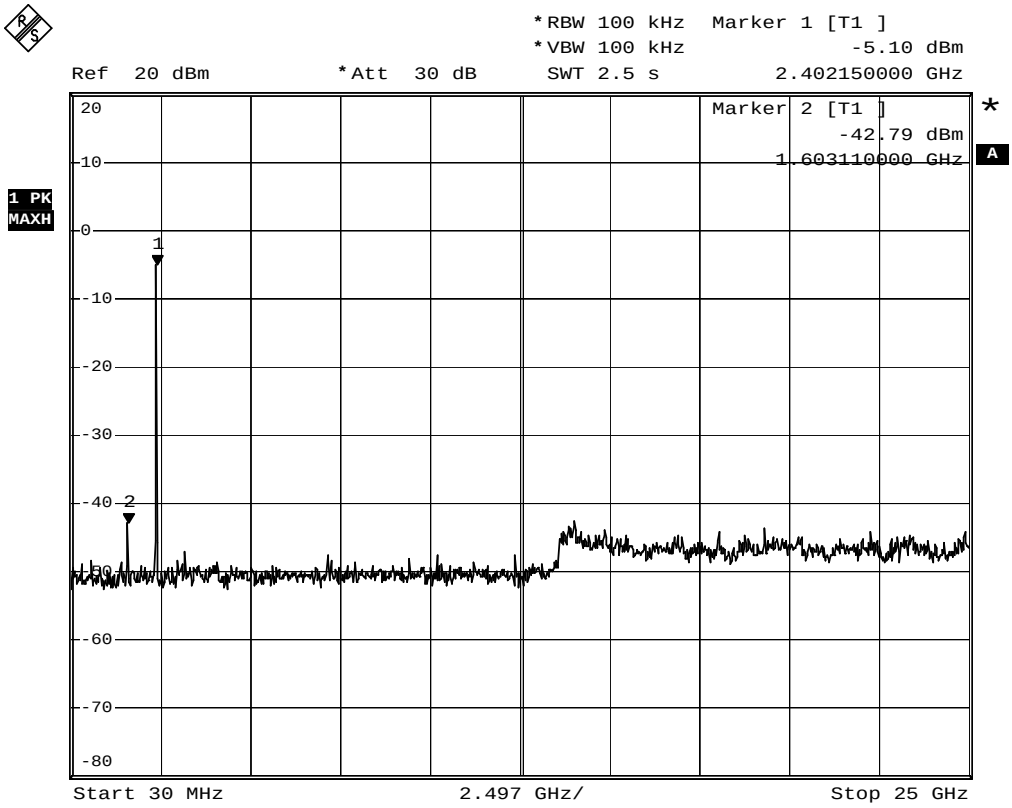
Comment: A:\2
Date: 30.NOV.2011 19:08:38

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



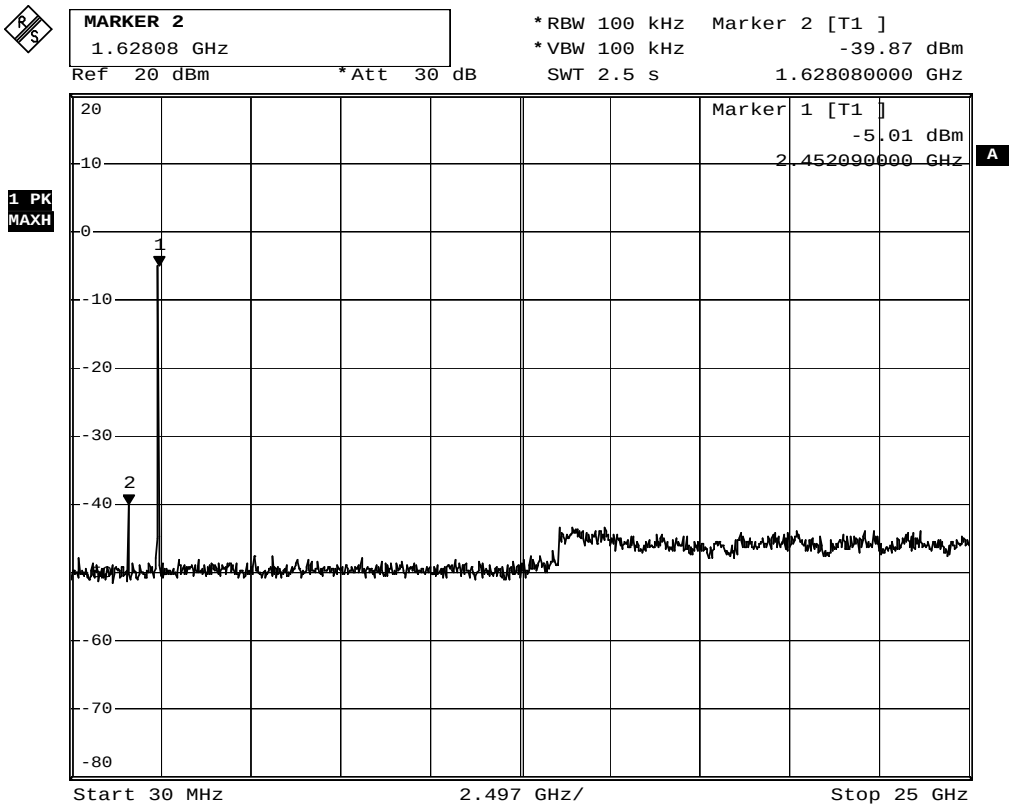
Comment: A:\2
Date: 30.NOV.2011 19:10:24

2412MHz (30MHz-25GHz)-802.11n(20M)-ANT 2



Comment: A:\2
Date: 30.NOV.2011 19:09:05

2462MHz (30MHz-25GHz) -802.11n(20M)-ANT 2



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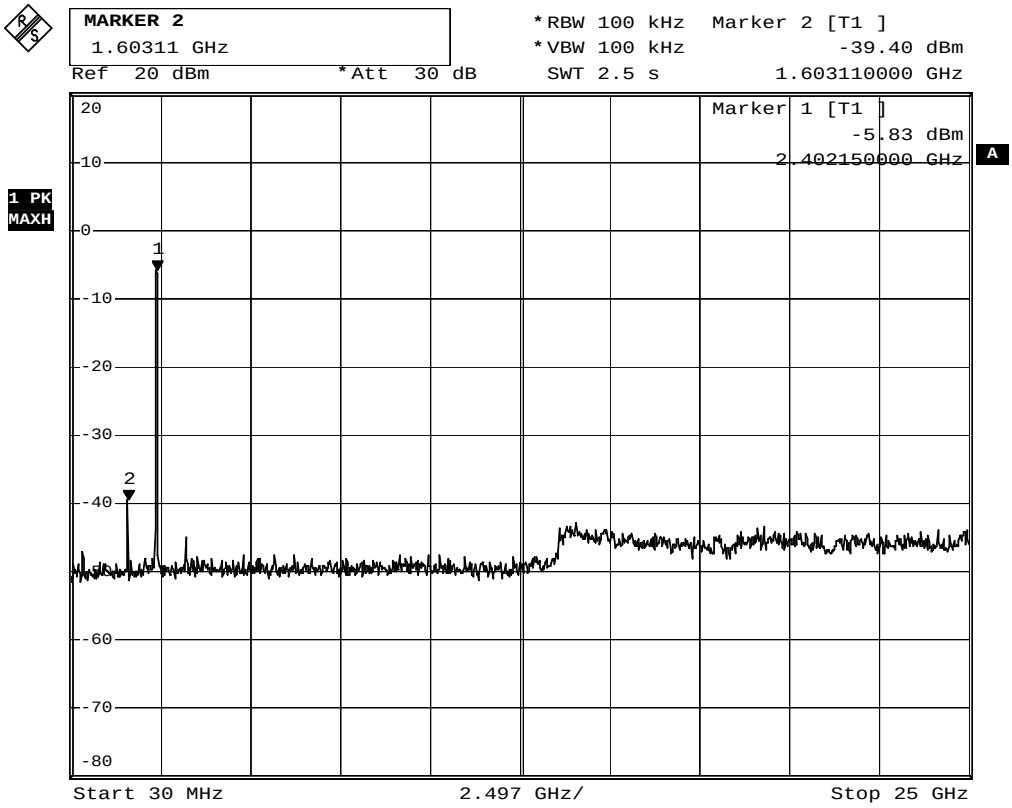
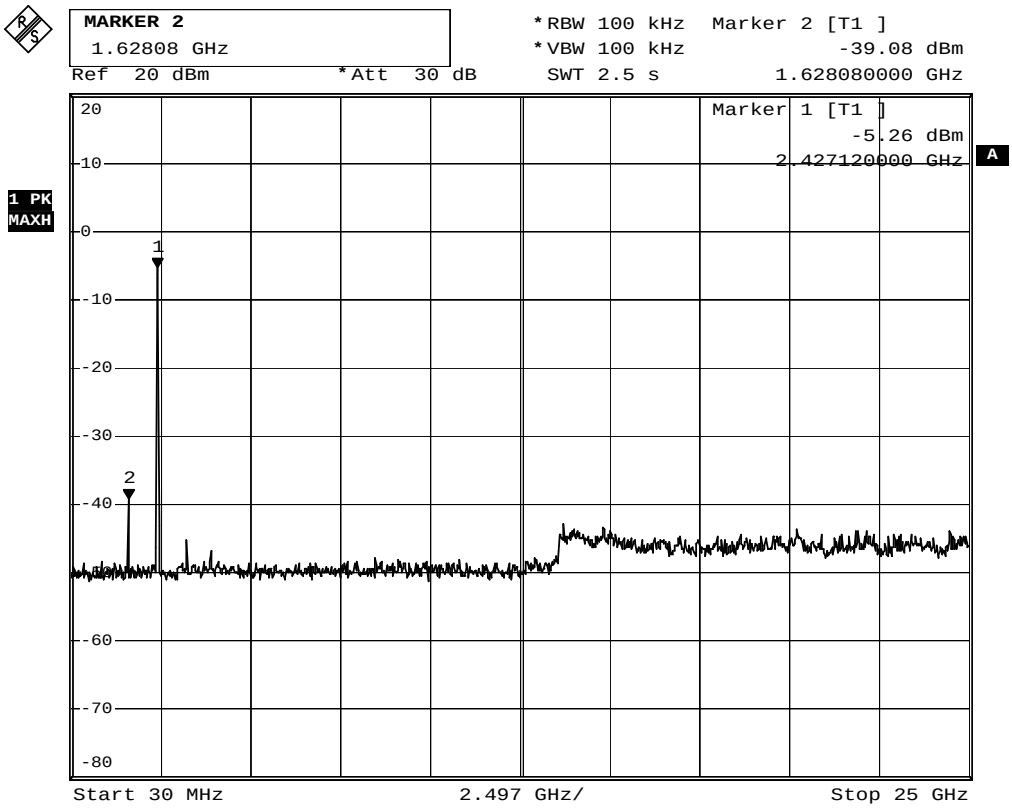
Date: 30.NOV.2011 19:10:03

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



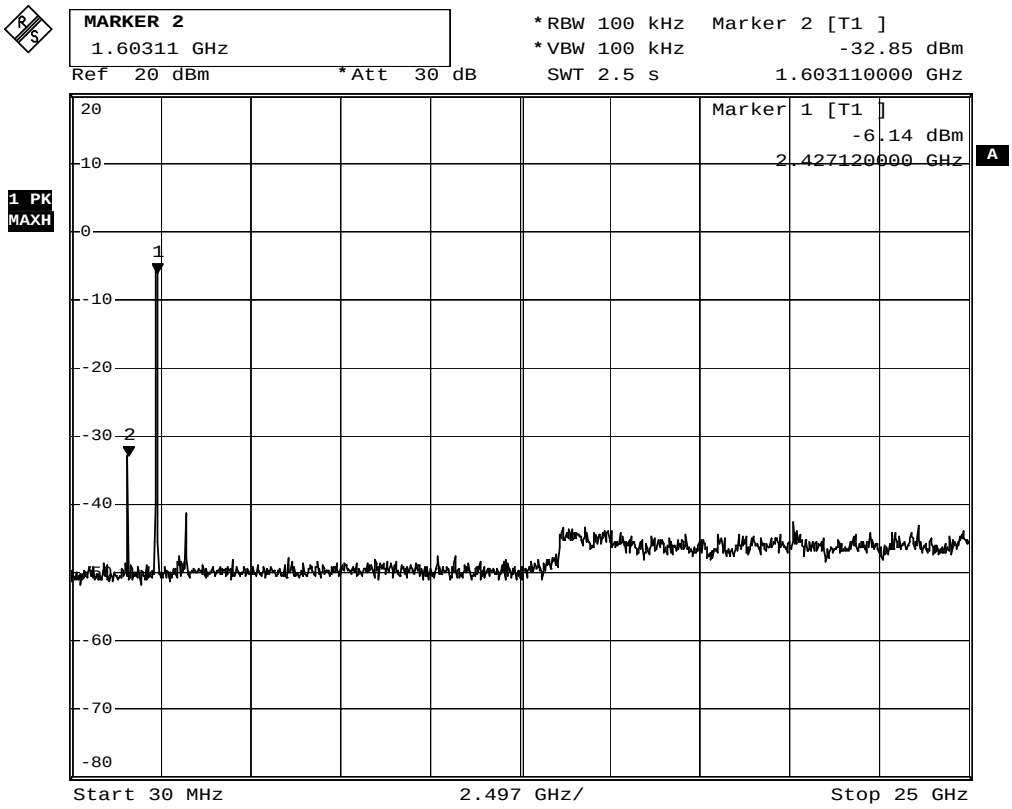
Comment: A:\2
Date: 30.NOV.2011 18:59:57

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



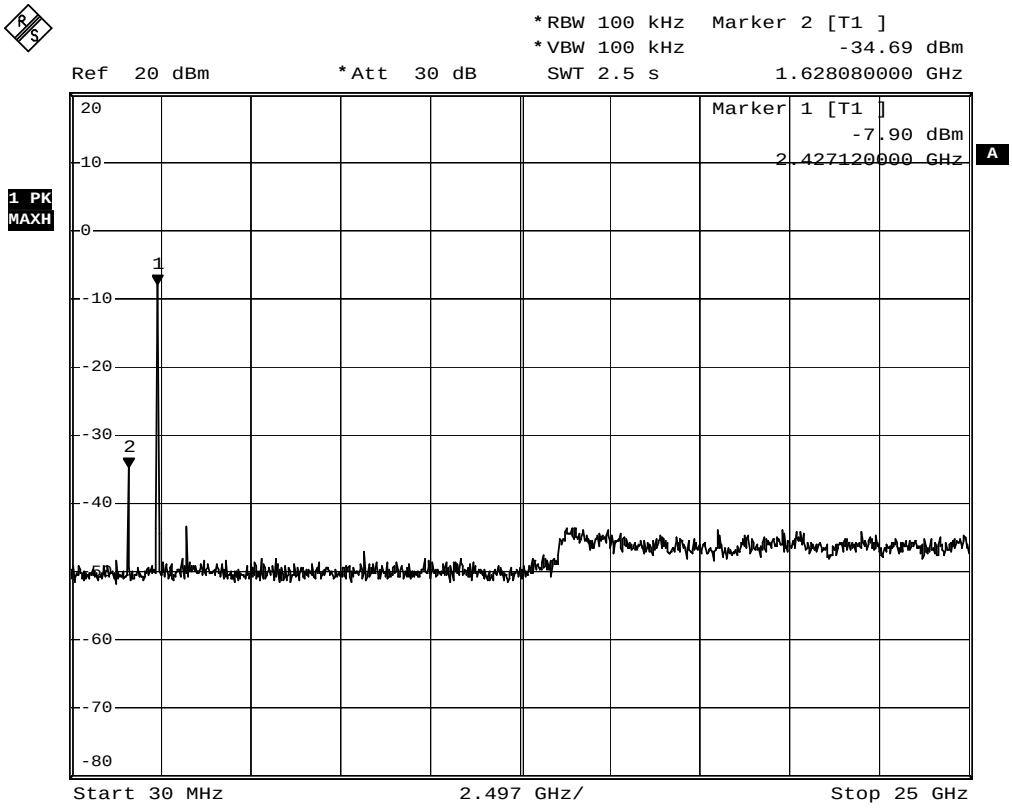
Comment: A:\2
Date: 30.NOV.2011 19:01:11

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



Comment: A:\2
Date: 30.NOV.2011 19:06:09

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



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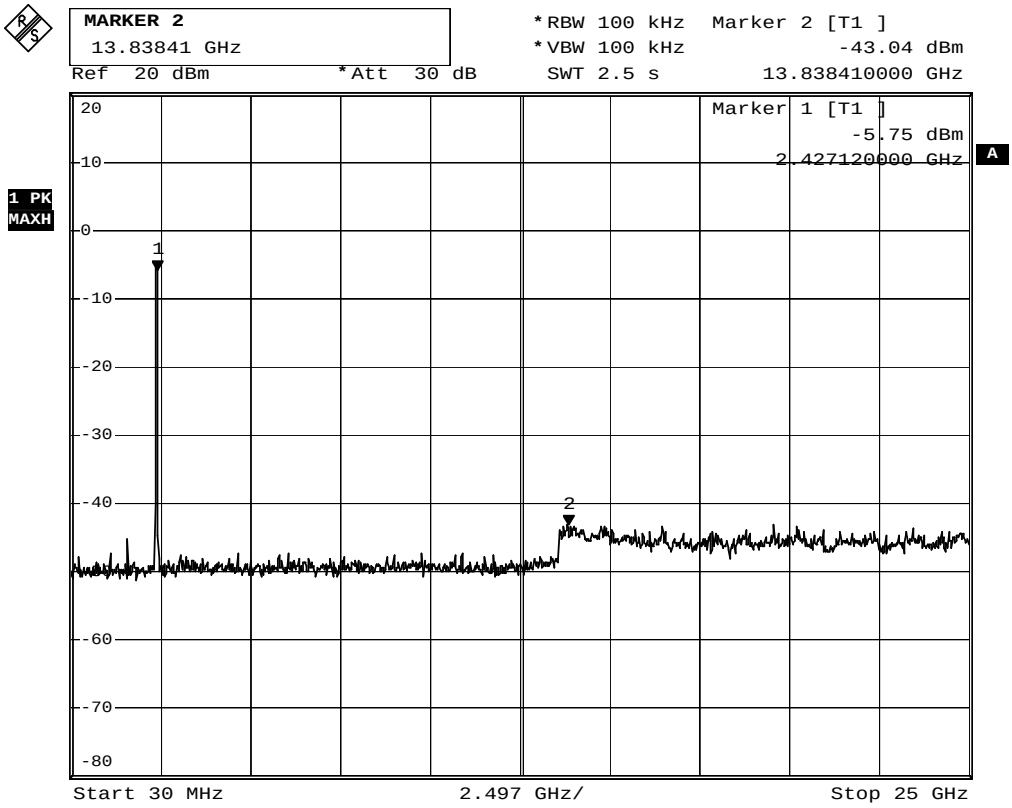
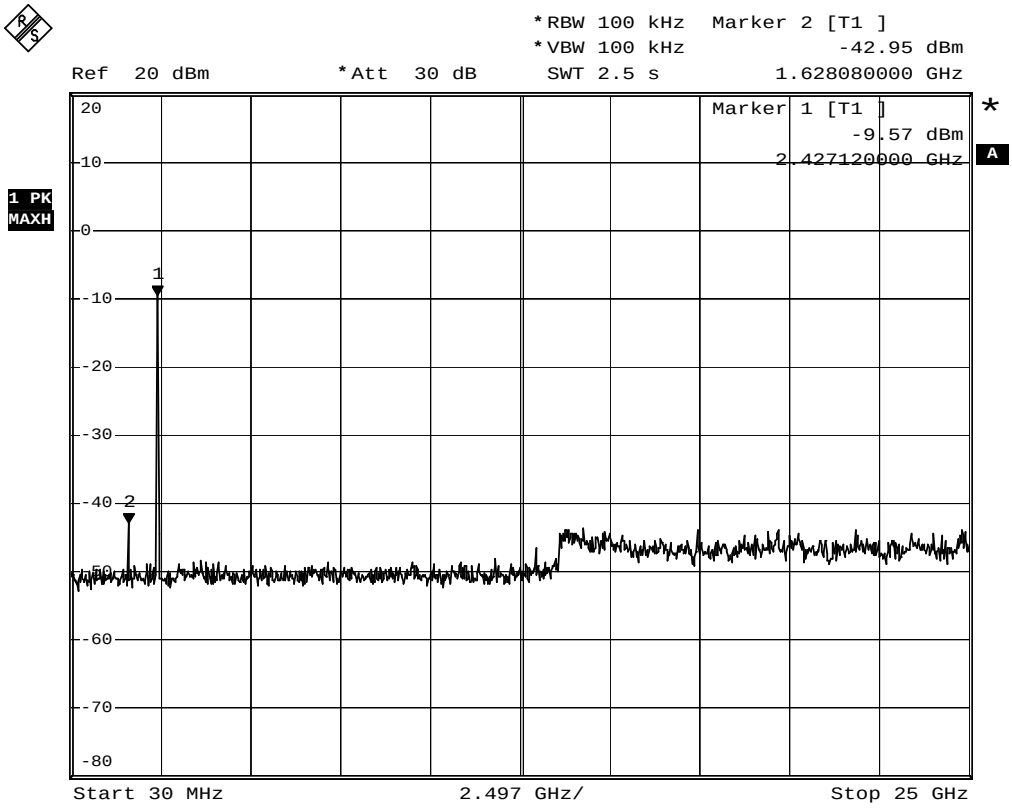
Date: 30.NOV.2011 19:03:15

2422MHz (30MHz-25GHz)-802.11n(40M)-ANT 2



Comment: A:\2
Date: 30.NOV.2011 19:05:31

2452MHz (30MHz-25GHz) -802.11n(40M)-ANT 2

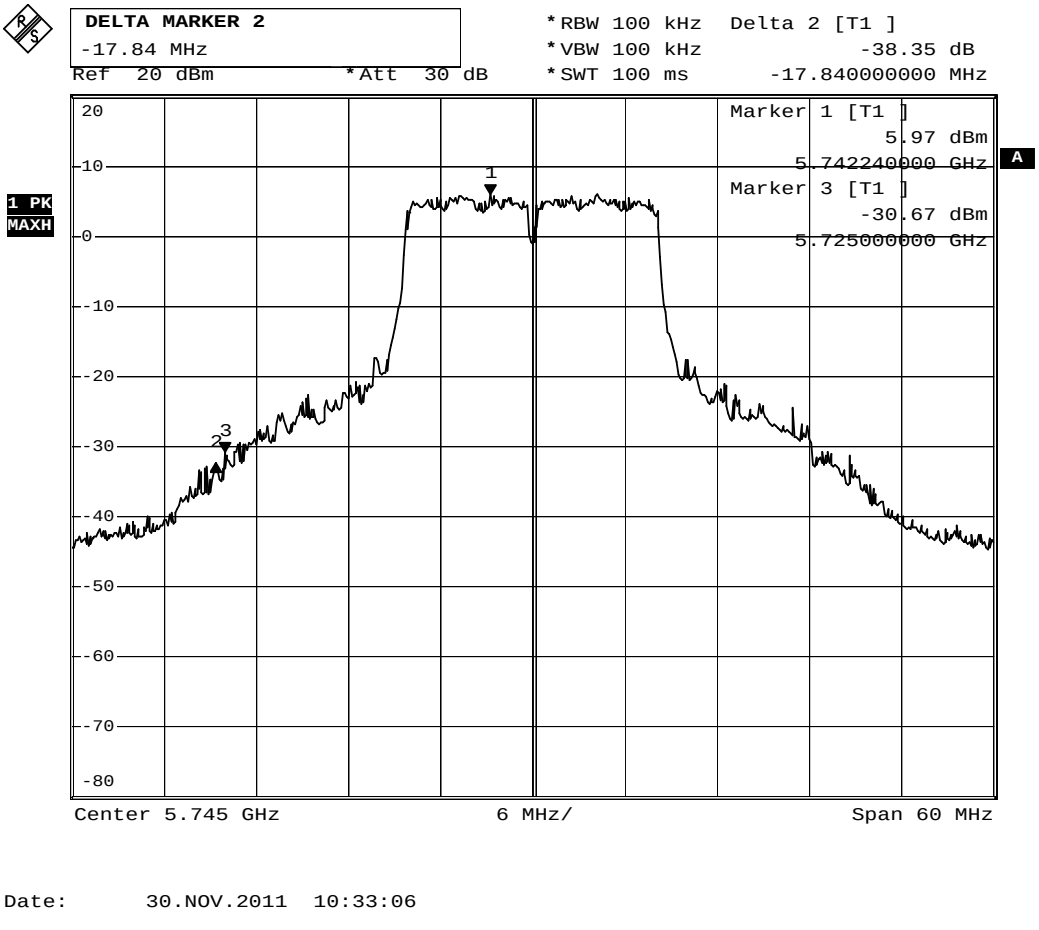


Comment: A:\2
Date: 30.NOV.2011 19:03:49

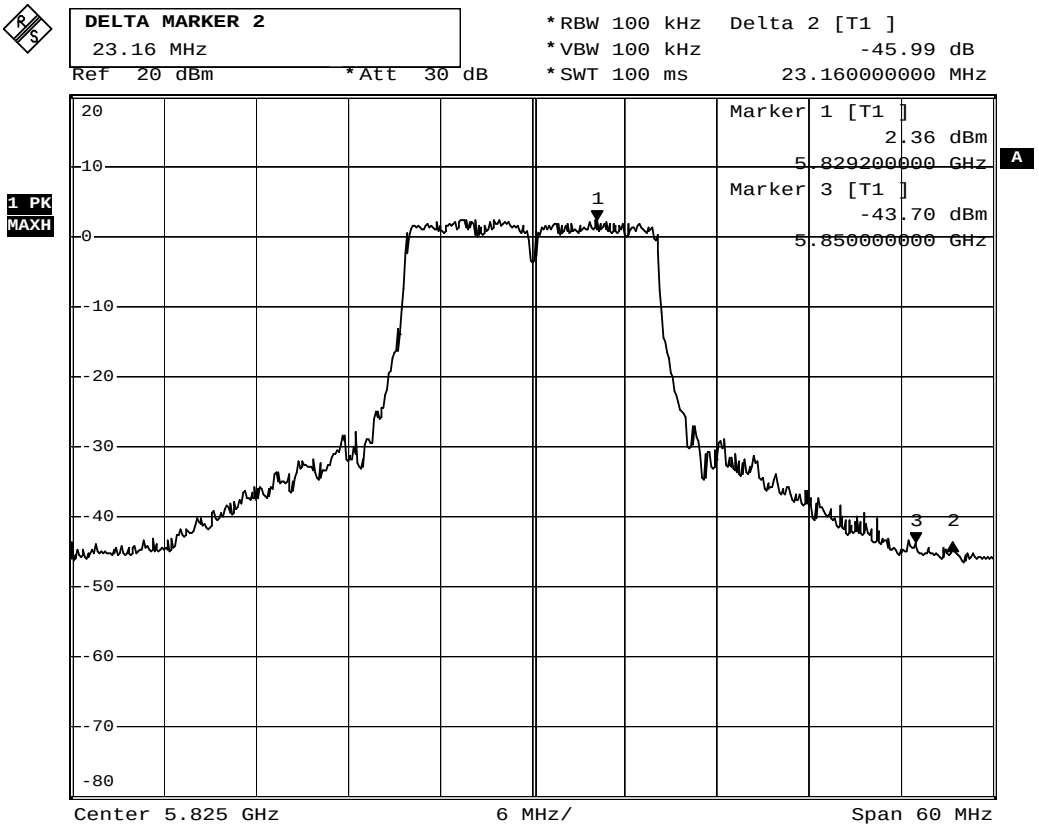
Product	Dual-band Wireless-N Ethernet Adapter		
Test Item	RF antenna conducted test		
Test Mode	Mode 1: Transmit (Adapter: DVE)		
Date of Test	2011/11/30	Test Site	SR7

IEEE 802.11a, Antenna Gain: 4dBi Duty Cycle: 1				
Channel No.	Frequency (MHz)	Measure Level (dBc)	Limit (dBc)	Result
149	5745	38.35	≥20	Pass
165	5825	45.99	≥20	Pass

Channel 149 (5745MHz)



Channel 165 (5825MHz)

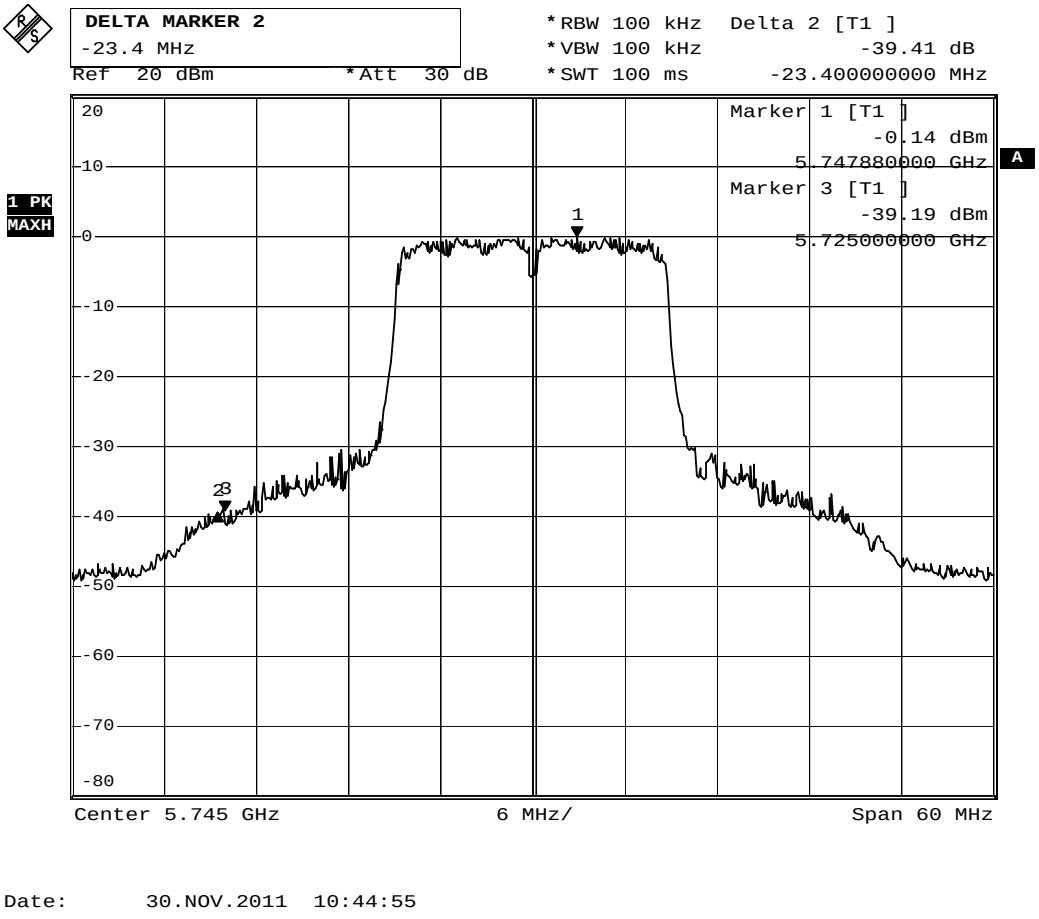


Date: 30.NOV.2011 10:34:51

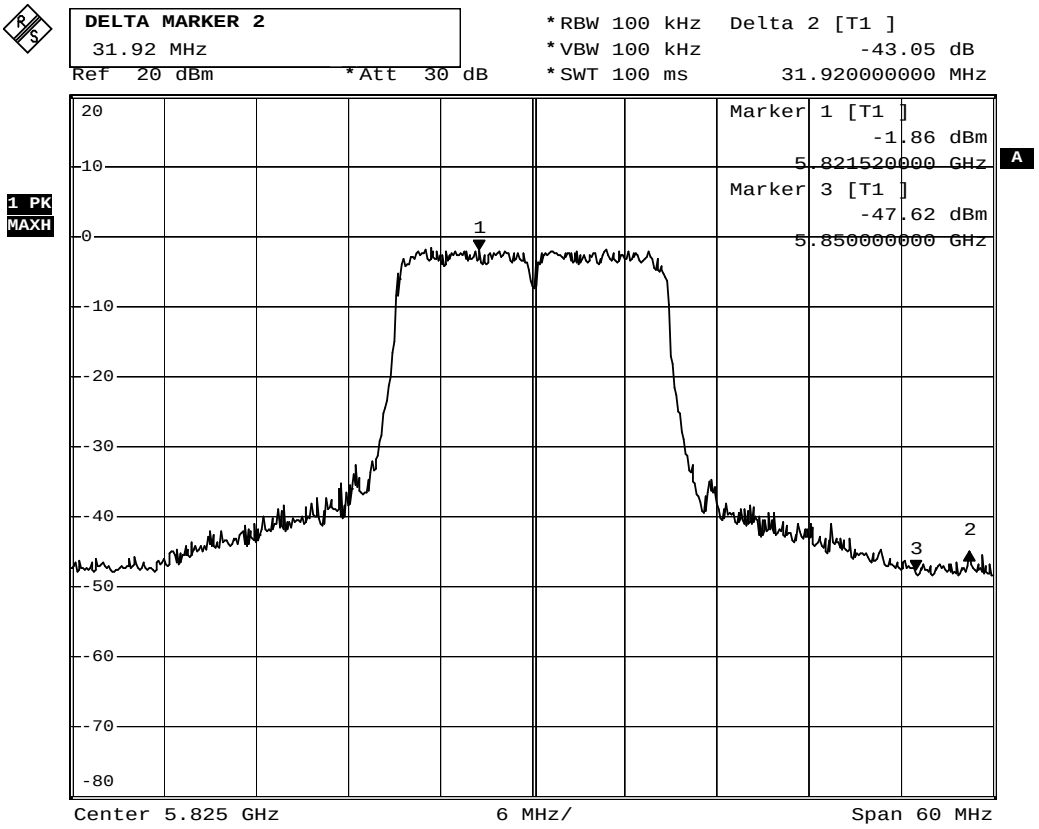
Product	Dual-band Wireless-N Ethernet Adapter		
Test Item	RF antenna conducted test		
Test Mode	Mode 1: Transmit (Adapter: DVE)		
Date of Test	2011/11/30	Test Site	SR7

IEEE 802.11n (20MHz), (ANT 0) Antenna Gain: 4dBi Duty Cycle: 1				
Channel No.	Frequency (MHz)	Measure Level (dBc)	Limit (dBc)	Result
149	5745	39.41	≧20	Pass
165	5825	43.05	≧20	Pass

Channel 149 (5745MHz)



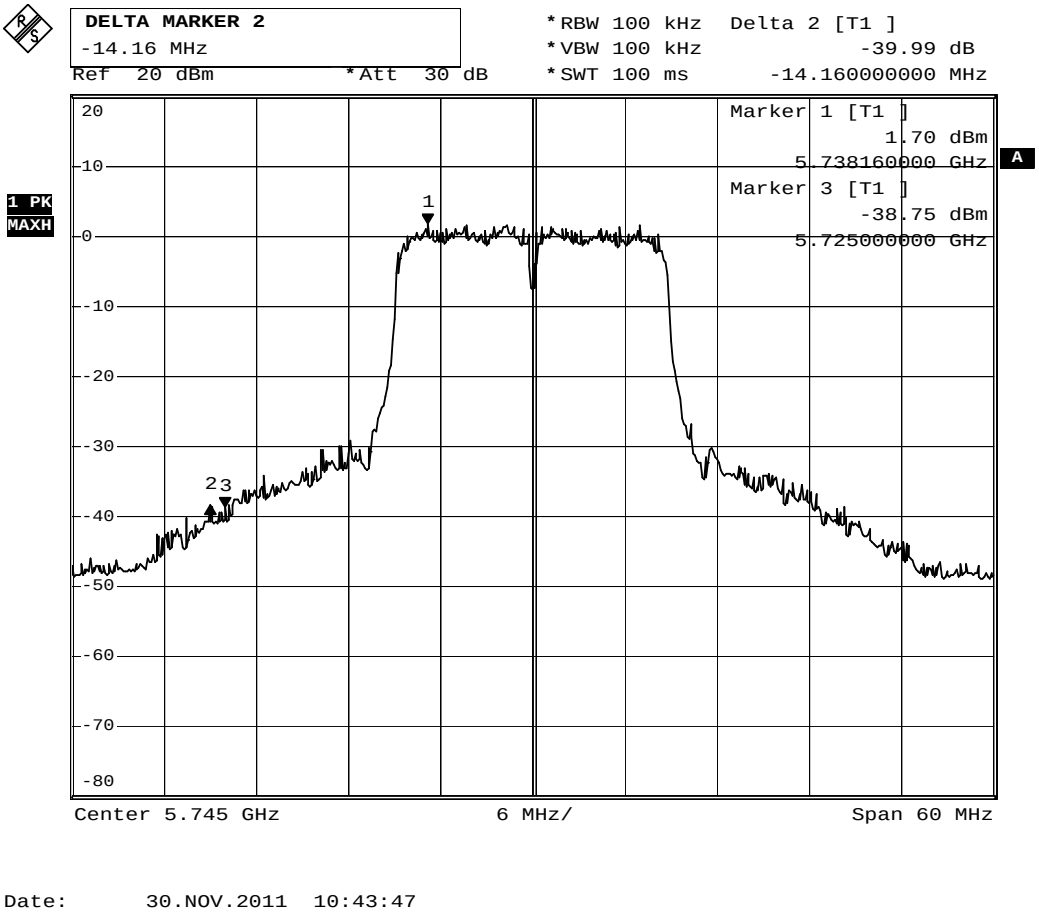
Channel 165 (5825MHz)



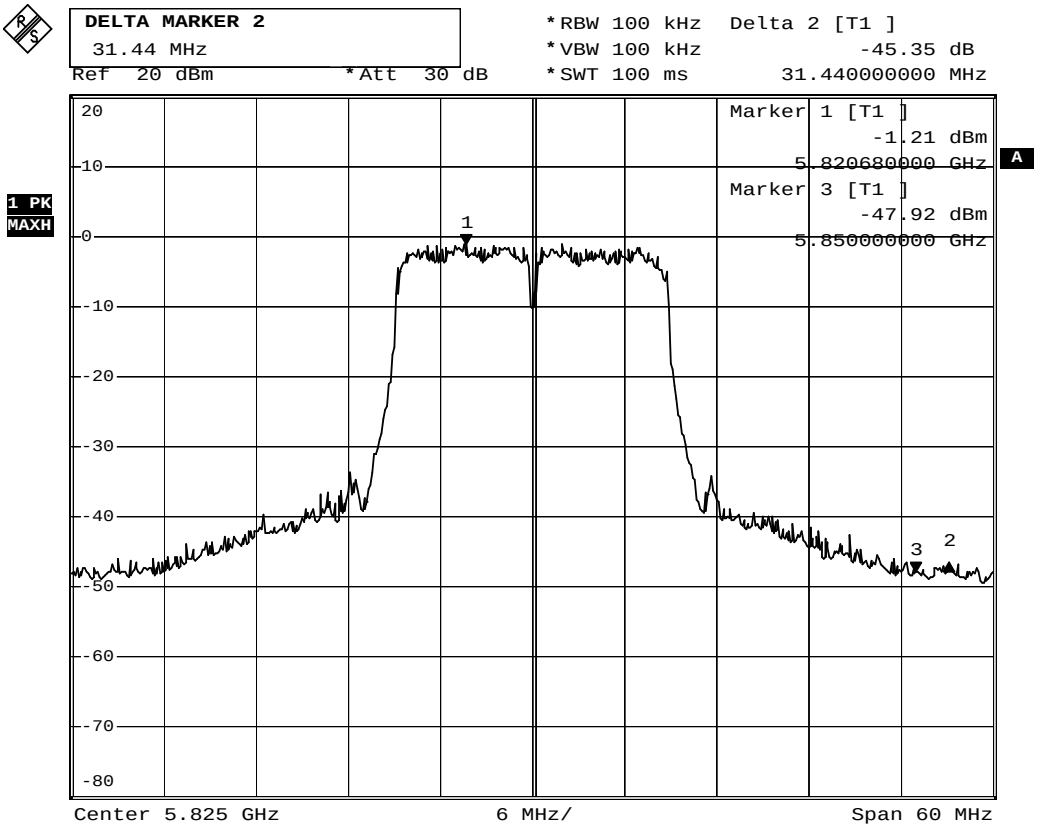
Product	Dual-band Wireless-N Ethernet Adapter		
Test Item	RF antenna conducted test		
Test Mode	Mode 1: Transmit (Adapter: DVE)		
Date of Test	2011/11/30	Test Site	SR7

IEEE 802.11n (20MHz), (ANT 1) Antenna Gain: 4dBi Duty Cycle: 1				
Channel No.	Frequency (MHz)	Measure Level (dBc)	Limit (dBc)	Result
149	5745	39.99	≧20	Pass
165	5825	45.35	≧20	Pass

Channel 149 (5745MHz)



Channel 165 (5825MHz)

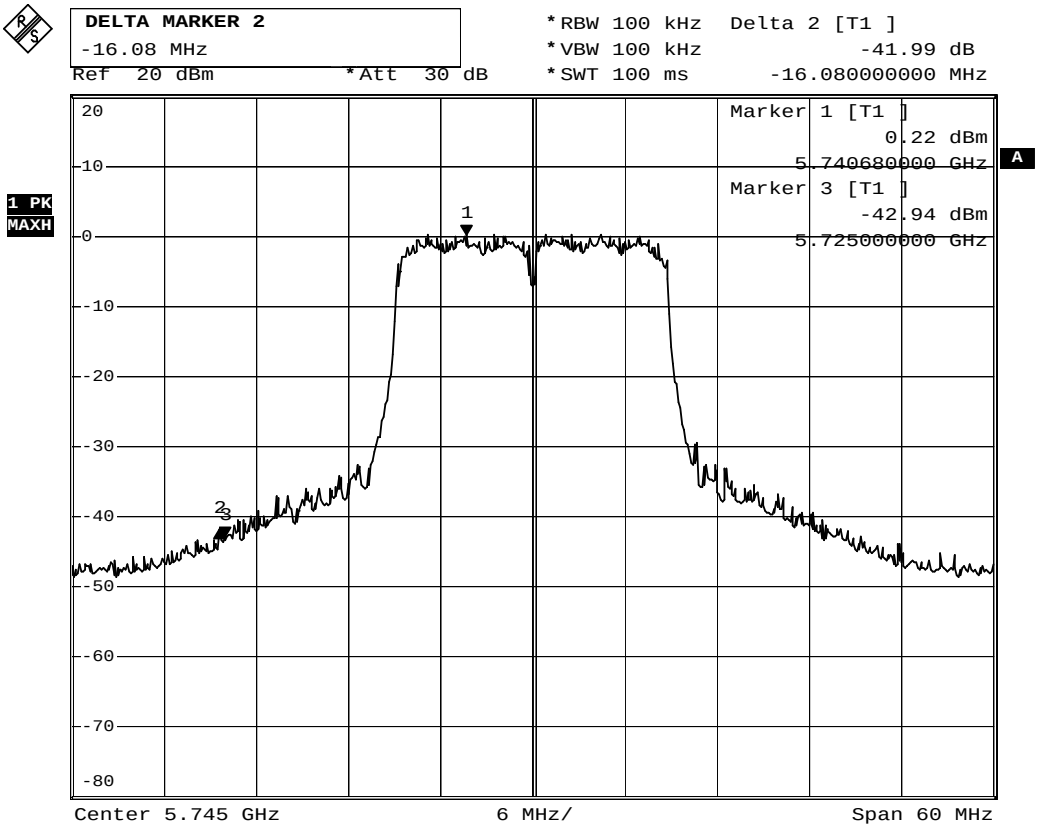


Date: 30.NOV.2011 10:39:54

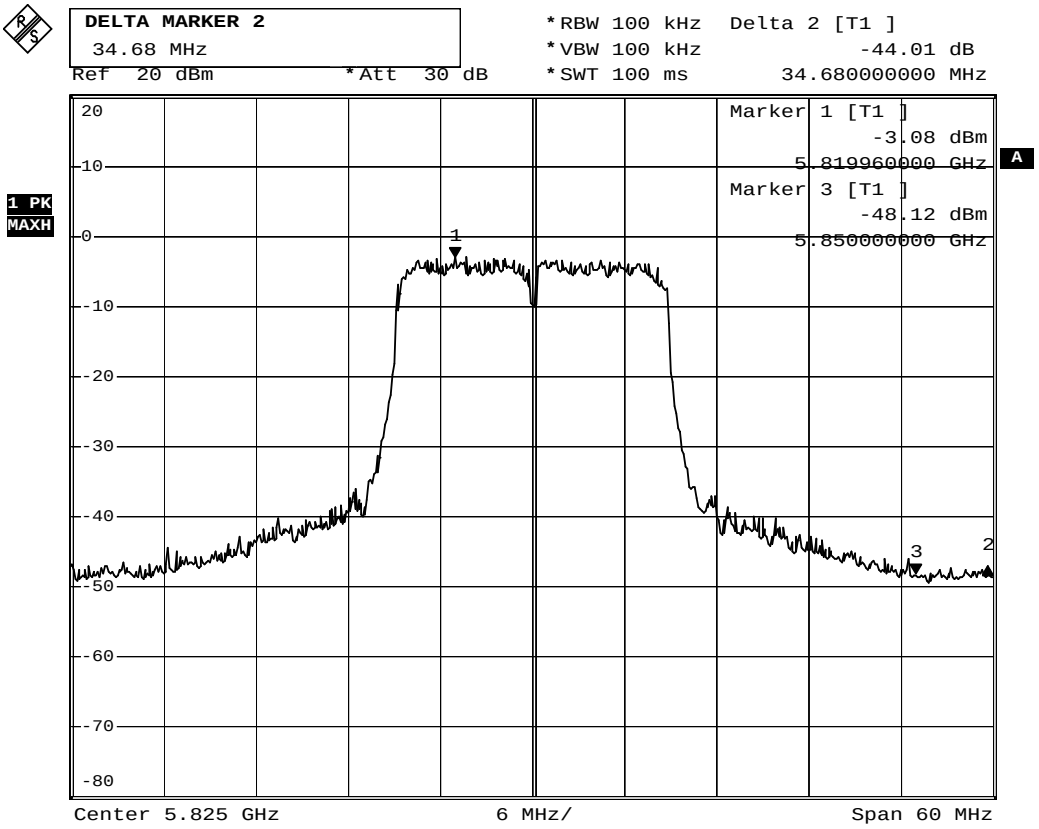
Product	Dual-band Wireless-N Ethernet Adapter		
Test Item	RF antenna conducted test		
Test Mode	Mode 1: Transmit (Adapter: DVE)		
Date of Test	2011/11/30	Test Site	SR7

IEEE 802.11n (20MHz), (ANT 2) Antenna Gain: 4dBi Duty Cycle: 1				
Channel No.	Frequency (MHz)	Measure Level (dBc)	Limit (dBc)	Result
149	5745	41.99	≧20	Pass
165	5825	44.01	≧20	Pass

Channel 149 (5745MHz)



Channel 165 (5825MHz)

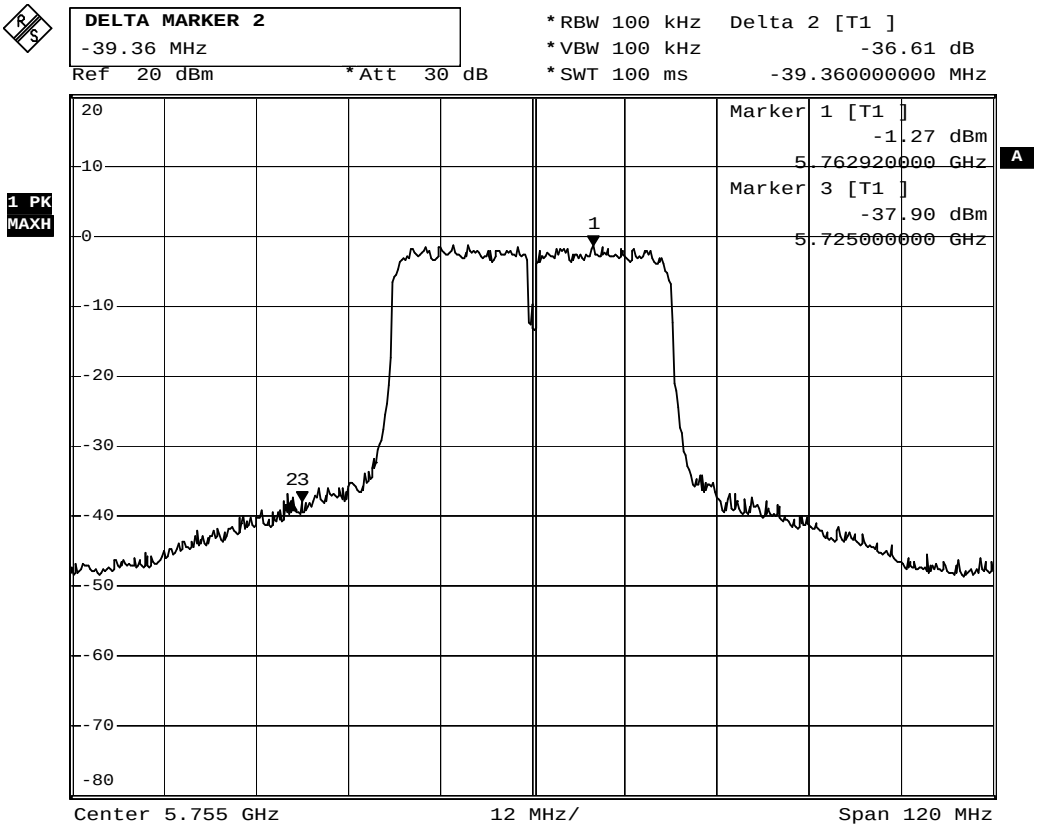


Date: 30.NOV.2011 10:40:48

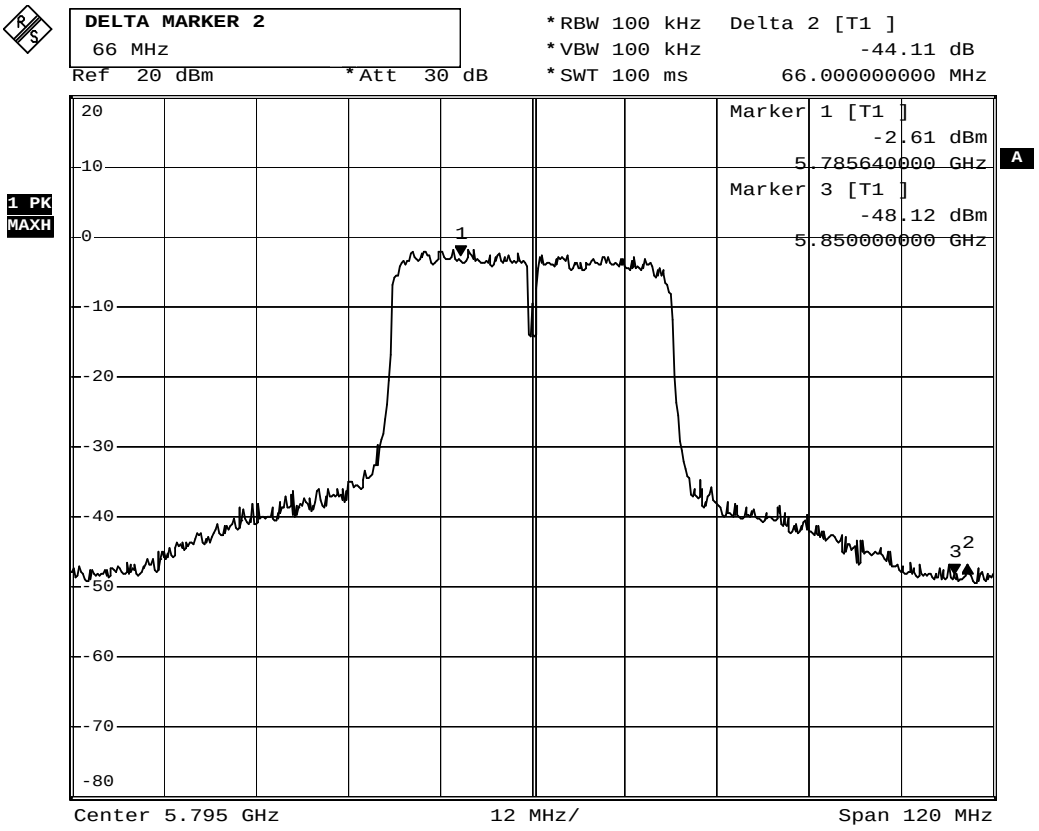
Product	Dual-band Wireless-N Ethernet Adapter		
Test Item	RF antenna conducted test		
Test Mode	Mode 1: Transmit (Adapter: DVE)		
Date of Test	2011/11/30	Test Site	SR7

IEEE 802.11n (40MHz), (ANT 0) Antenna Gain: 4dBi Duty Cycle: 1				
Channel No.	Frequency (MHz)	Measure Level (dBc)	Limit (dBc)	Result
151	5755	36.61	≧20	Pass
159	5795	44.11	≧20	Pass

Channel 151 (5755MHz)



Channel 159 (5795MHz)

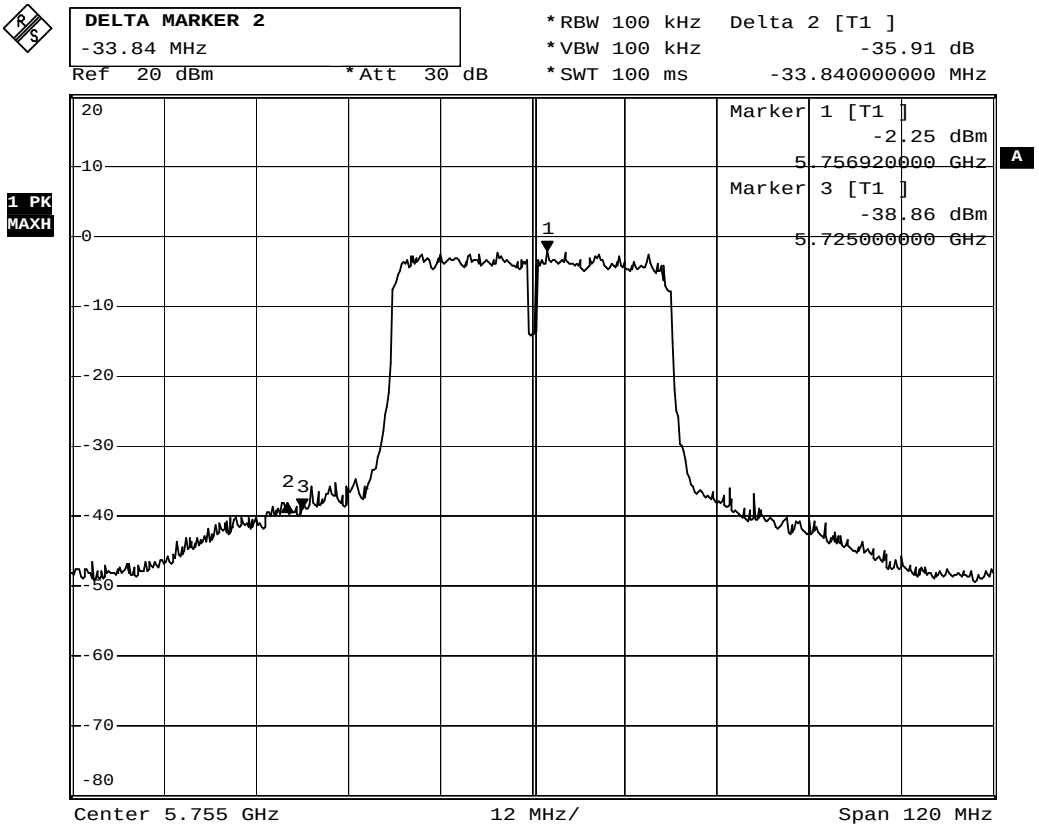


Date: 30.NOV.2011 10:54:42

Product	Dual-band Wireless-N Ethernet Adapter		
Test Item	RF antenna conducted test		
Test Mode	Mode 1: Transmit (Adapter: DVE)		
Date of Test	2011/11/30	Test Site	SR7

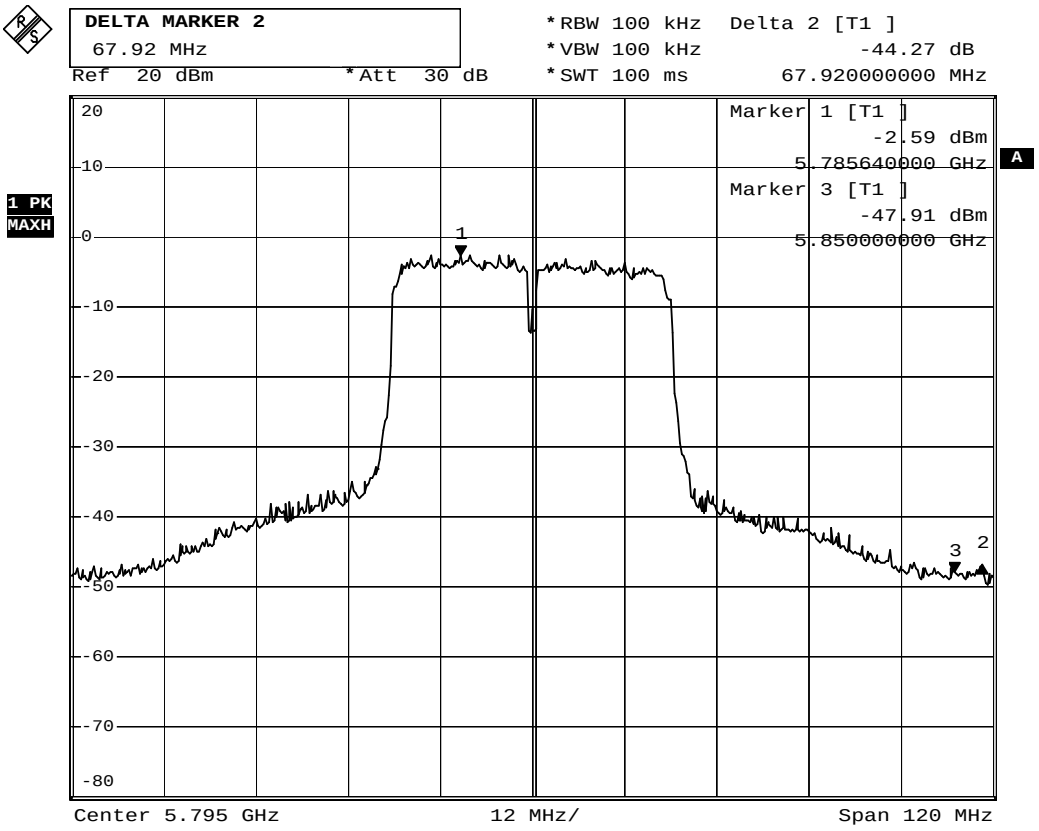
IEEE 802.11n (40MHz), (ANT 1) Antenna Gain: 4dBi Duty Cycle: 1				
Channel No.	Frequency (MHz)	Measure Level (dBc)	Limit (dBc)	Result
151	5755	35.91	≧20	Pass
159	5795	44.27	≧20	Pass

Channel 151 (5755MHz)



Date: 30.NOV.2011 10:48:09

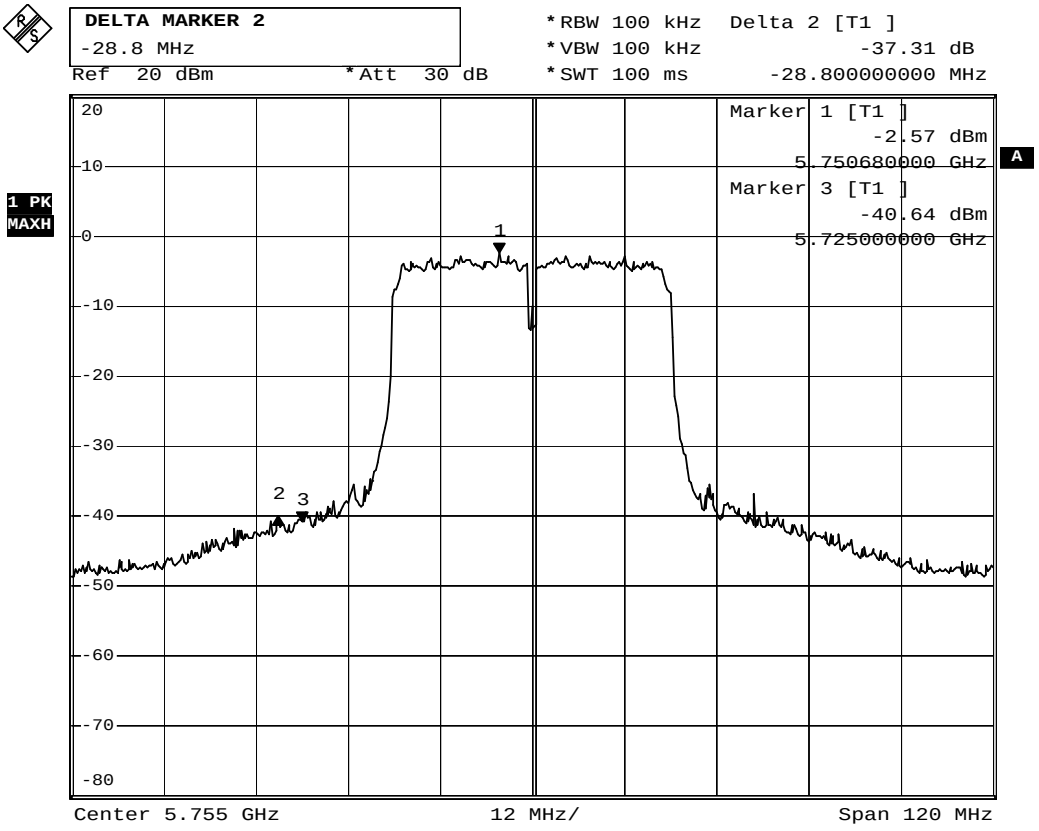
Channel 159 (5795MHz)



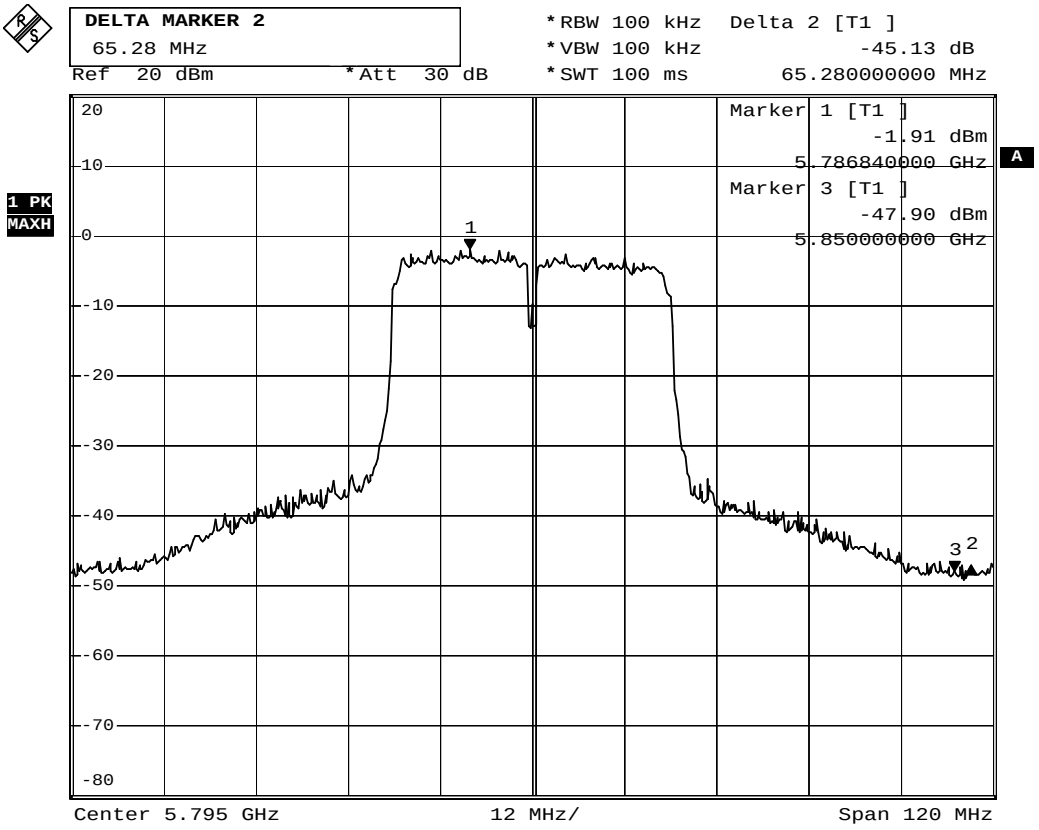
Product	Dual-band Wireless-N Ethernet Adapter		
Test Item	RF antenna conducted test		
Test Mode	Mode 1: Transmit (Adapter: DVE)		
Date of Test	2011/11/30	Test Site	SR7

IEEE 802.11n (40MHz), (ANT 2) Antenna Gain: 4dBi Duty Cycle: 1				
Channel No.	Frequency (MHz)	Measure Level (dBc)	Limit (dBc)	Result
151	5755	37.31	≧20	Pass
159	5795	45.13	≧20	Pass

Channel 151 (5755MHz)

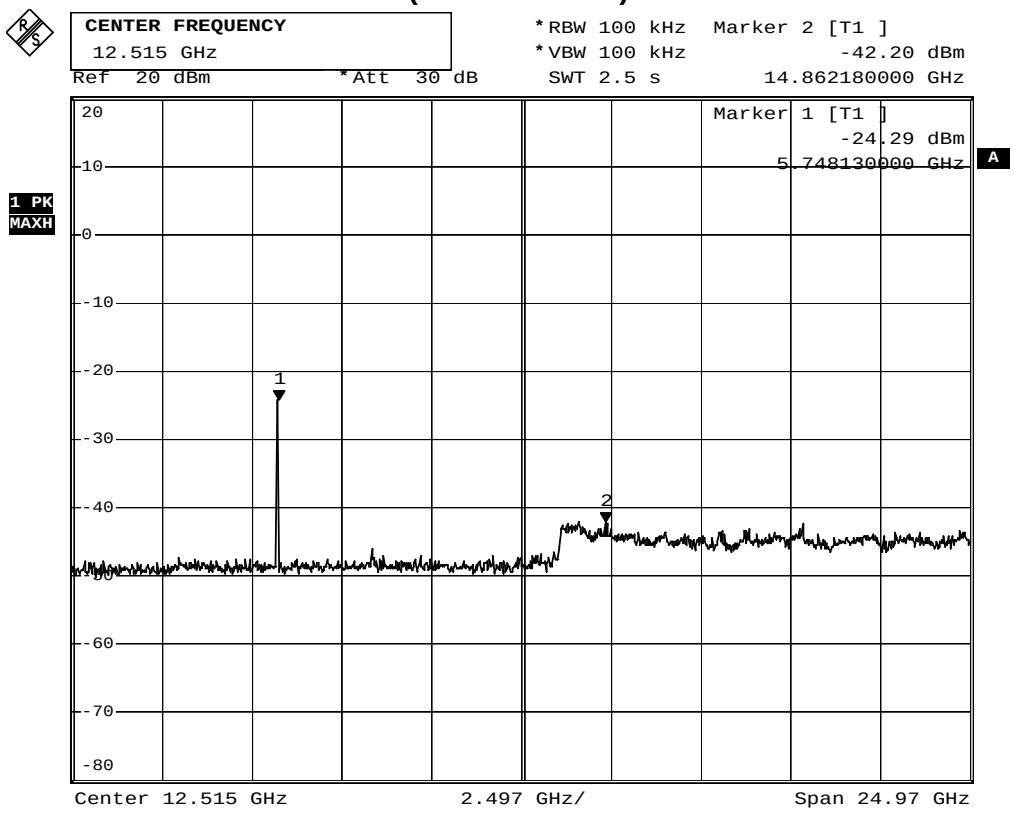


Channel 159 (5795MHz)



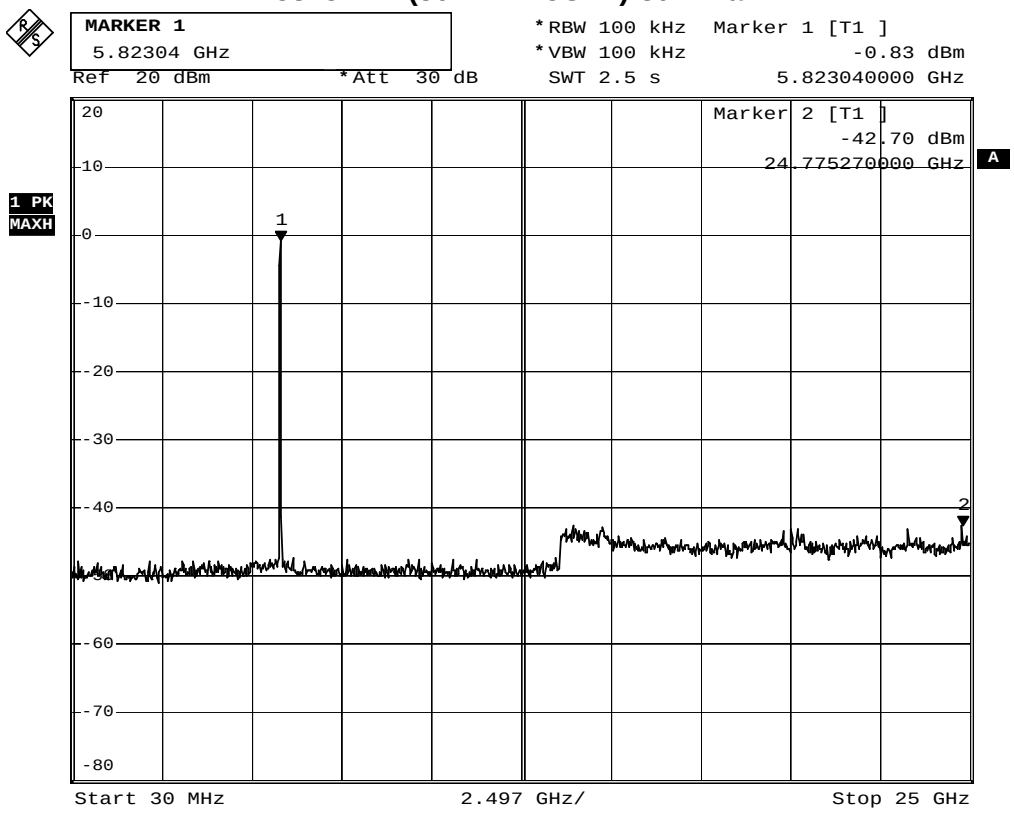
Product	Dual-band Wireless-N Ethernet Adapter		
Test Item	RF antenna conducted test		
Test Mode	Mode 1: Transmit (Adapter: DVE)		
Date of Test	2011/11/30	Test Site	SR7

5745MHz (30MHz~25GHz)-802.11a



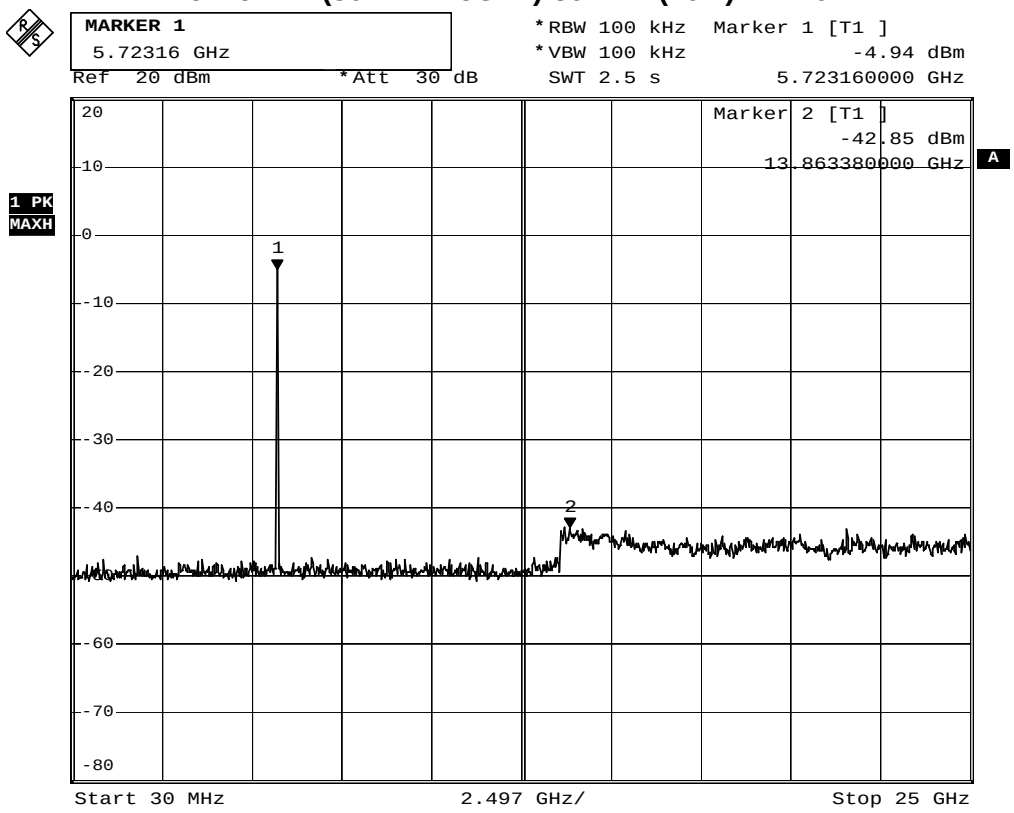
Comment: A:\2
Date: 30.NOV.2011 19:16:48

5825MHz (30MHz~25GHz)-802.11a



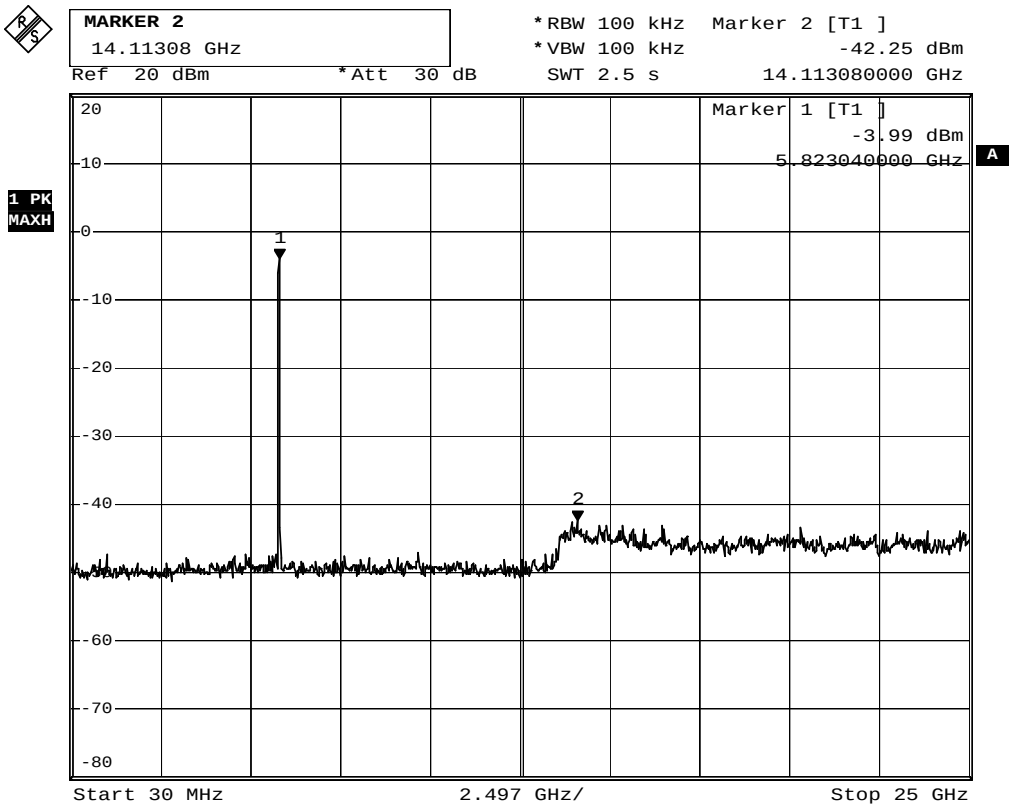
Comment: A:\2
Date: 30.NOV.2011 19:50:52

5745MHz (30MHz~25GHz)-802.11n(20M)-ANT 0



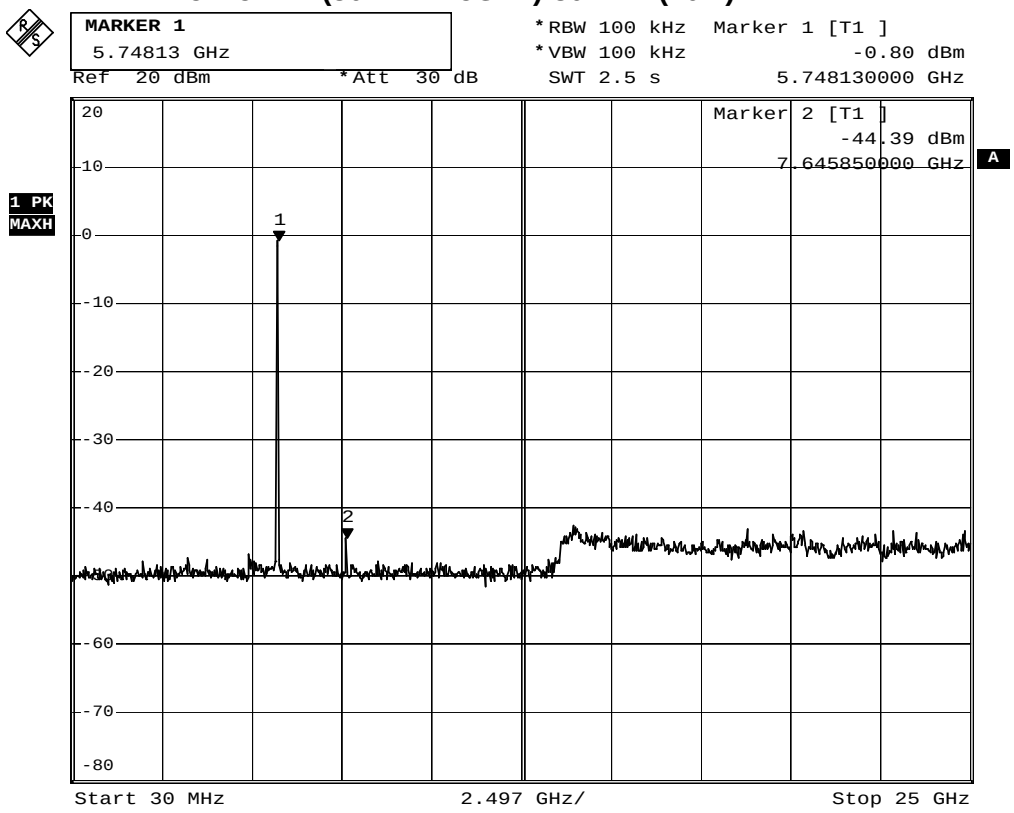
Comment: A:\2
Date: 30.NOV.2011 19:54:47

5825MHz (30MHz~25GHz) -802.11n(20M)-ANT 0



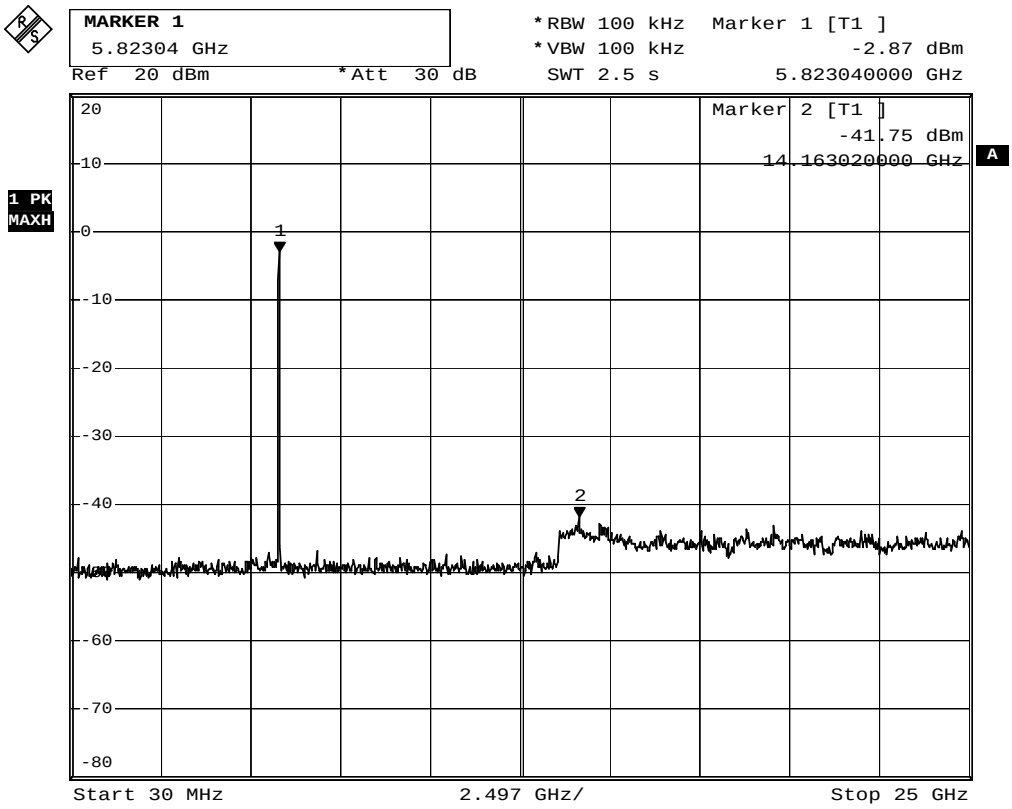
Comment: A:\2
Date: 30.NOV.2011 19:52:58

5745MHz (30MHz~25GHz)-802.11n(20M)-ANT 1



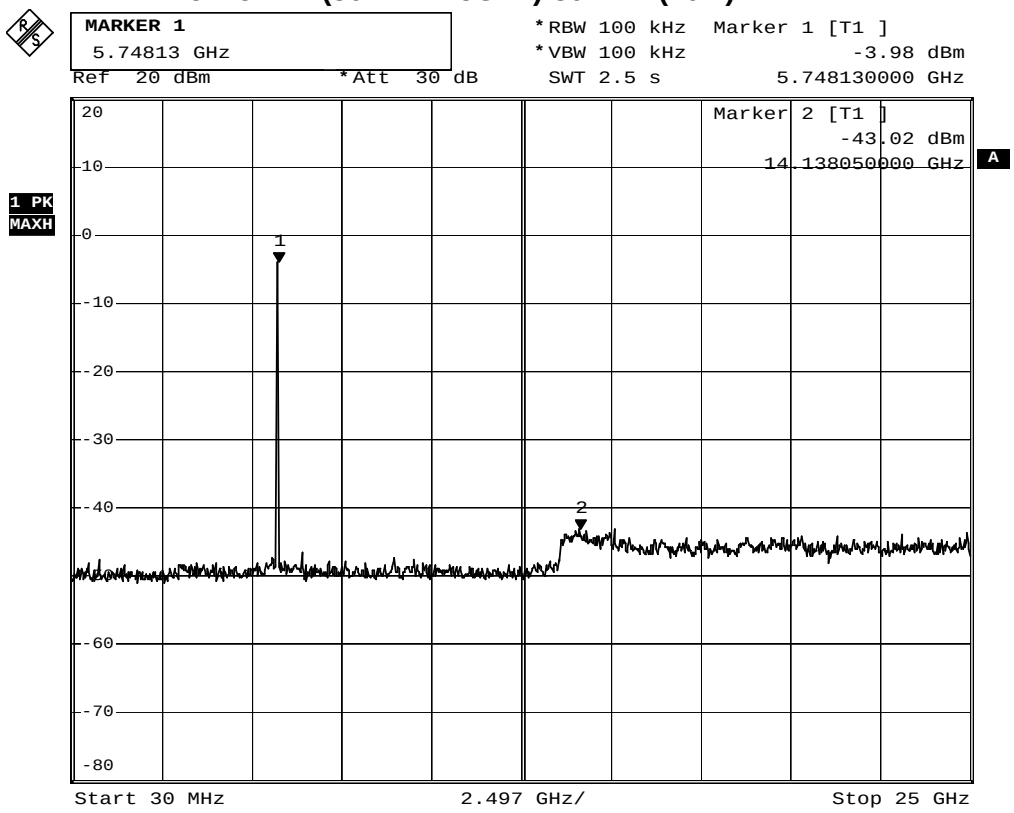
Comment: A:\2
Date: 30.NOV.2011 19:57:58

5825MHz (30MHz~25GHz) -802.11n(20M)-ANT 1



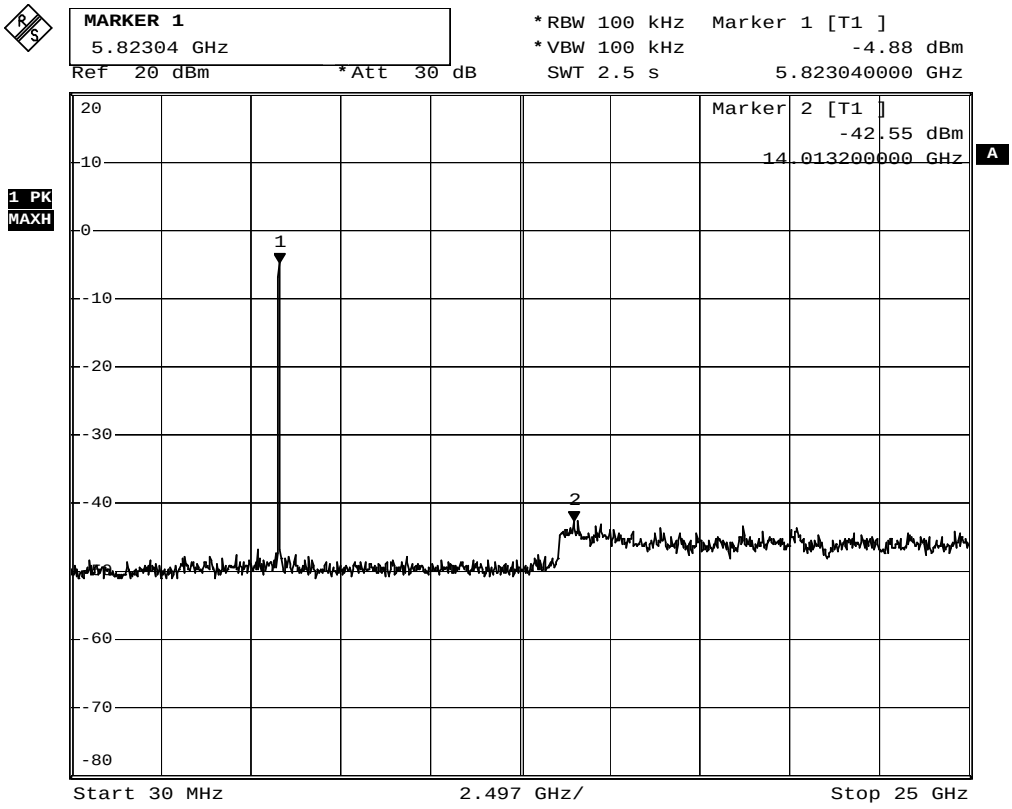
Comment: A:\2
Date: 30.NOV.2011 19:59:12

5745MHz (30MHz~25GHz)-802.11n(20M)-ANT 2



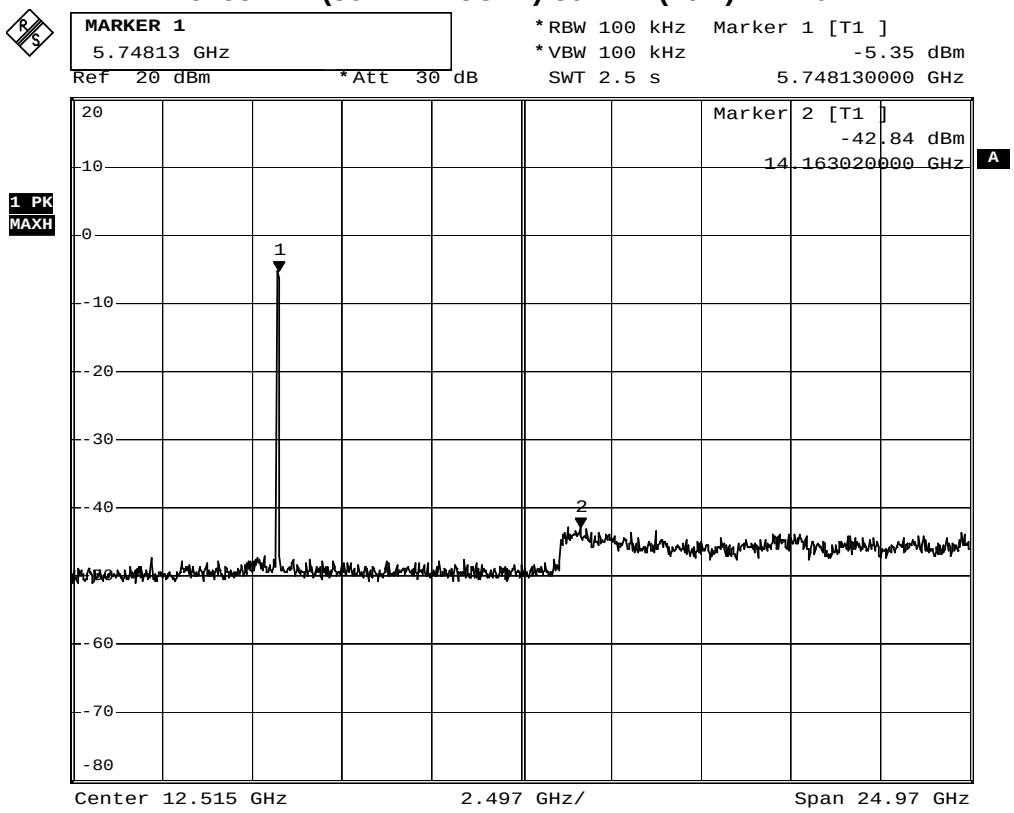
Comment: A:\2
Date: 30.NOV.2011 20:02:08

5825MHz (30MHz~25GHz) -802.11n(20M)-ANT 2



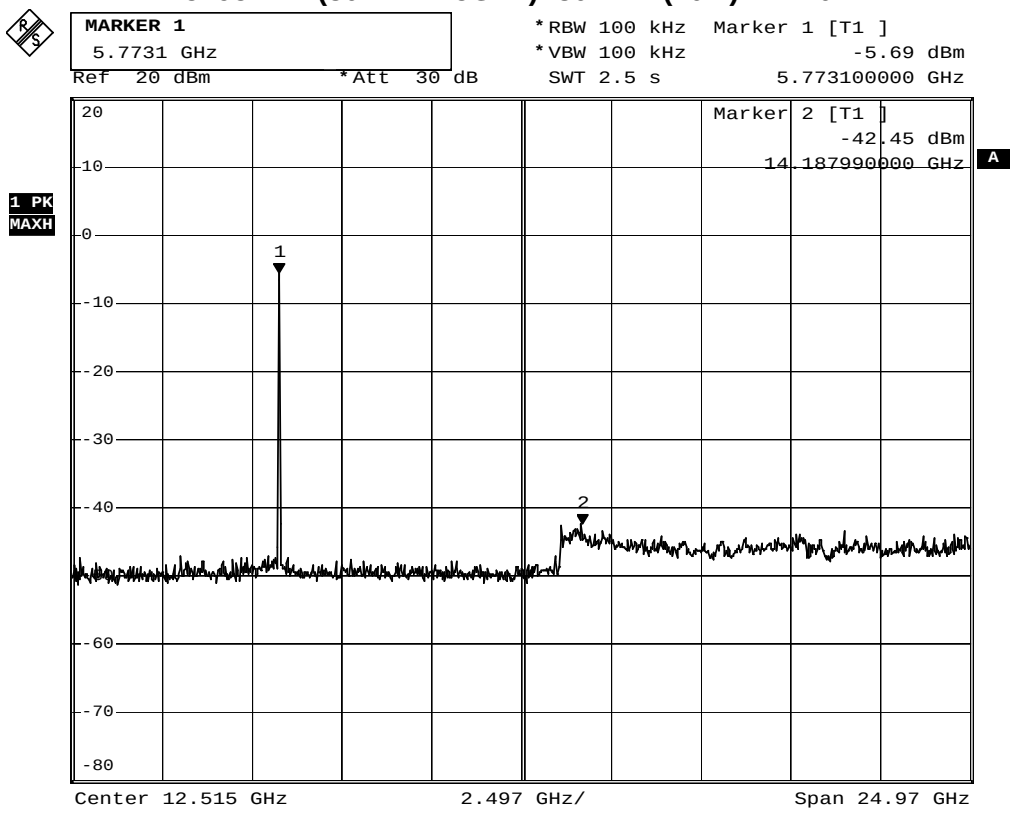
Comment: A:\2
Date: 30.NOV.2011 20:00:41

5755MHz (30MHz~25GHz)-802.11n(40M)-ANT 0



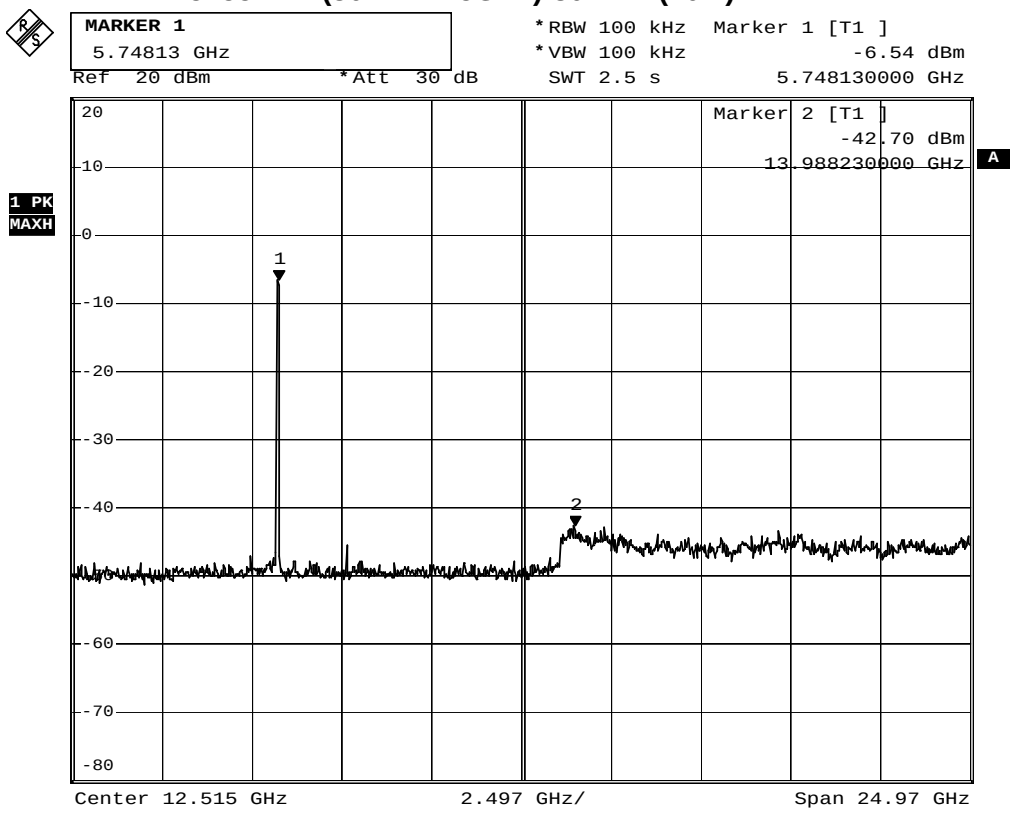
Comment: A:\2
Date: 30.NOV.2011 20:08:48

5795MHz (30MHz~25GHz) -802.11n(40M)-ANT 0



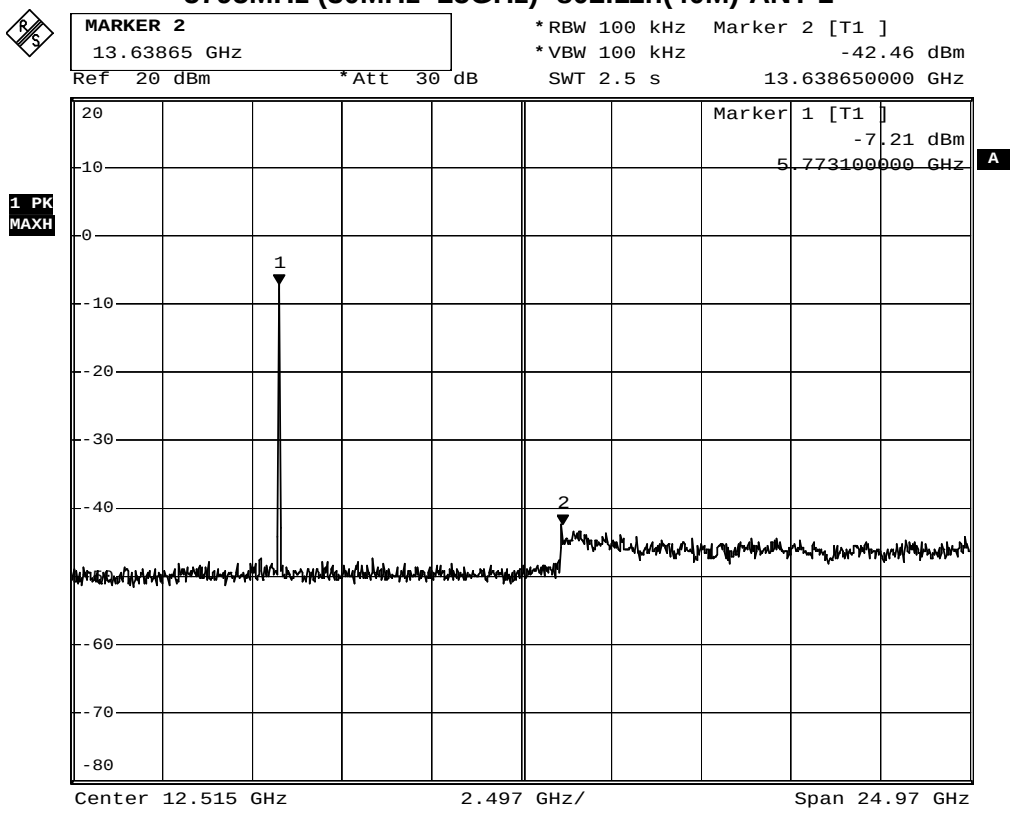
Comment: A:\2
Date: 30.NOV.2011 20:10:10

5755MHz (30MHz~25GHz)-802.11n(40M)-ANT 1



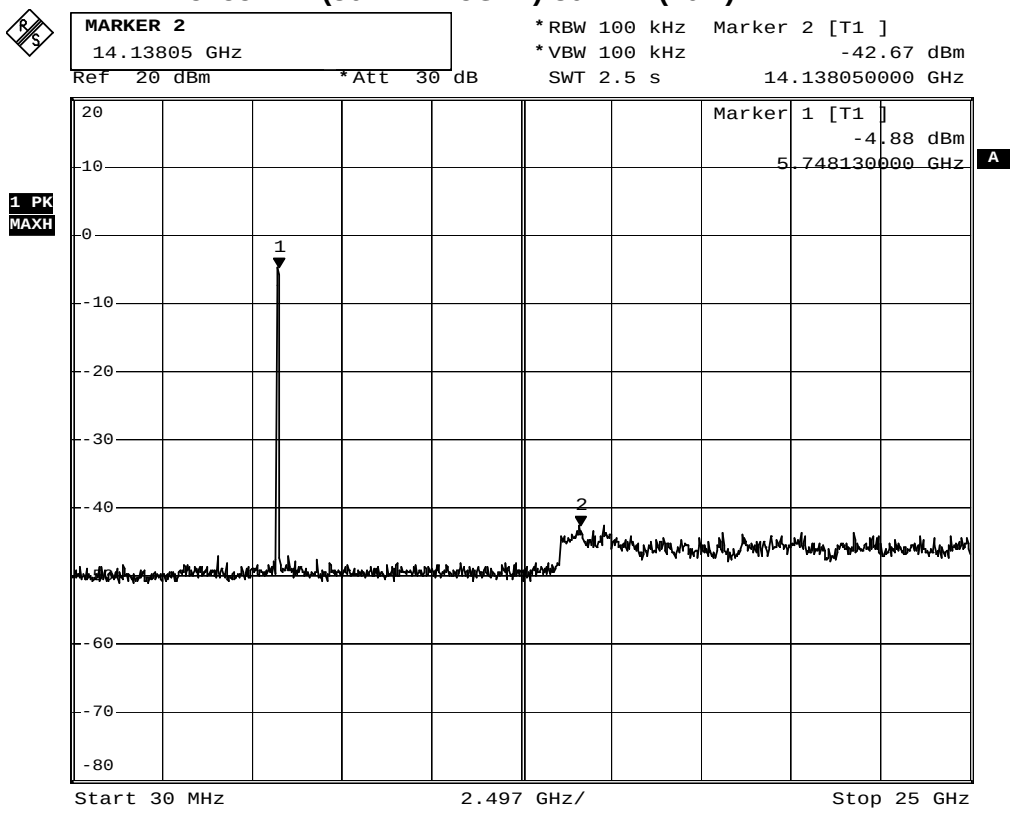
Comment: A:\2
Date: 30.NOV.2011 20:07:54

5795MHz (30MHz~25GHz) -802.11n(40M)-ANT 1



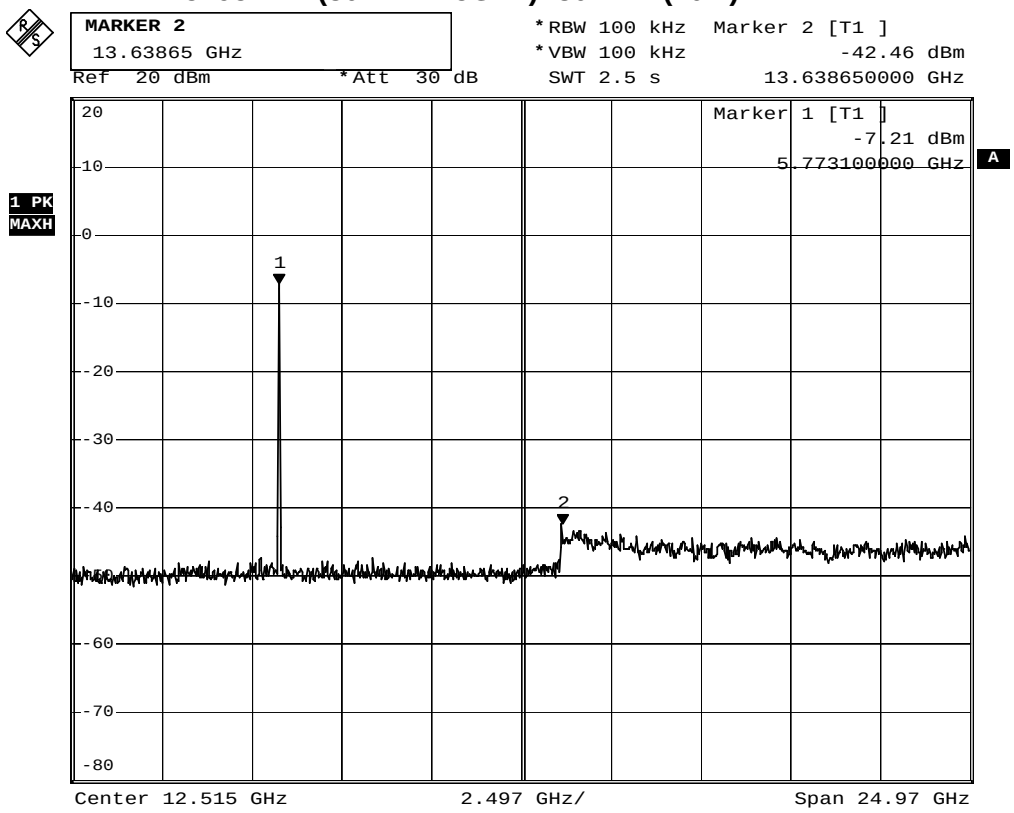
Comment: A:\2
Date: 30.NOV.2011 20:11:00

5755MHz (30MHz~25GHz)-802.11n(40M)-ANT 2



Comment: A:\2
Date: 30.NOV.2011 20:06:33

5795MHz (30MHz~25GHz) -802.11n(40M)-ANT 2



Comment: A:\2
Date: 30.NOV.2011 20:11:00

6. Radiated Emission Band Edge

6.1. Test Equipment

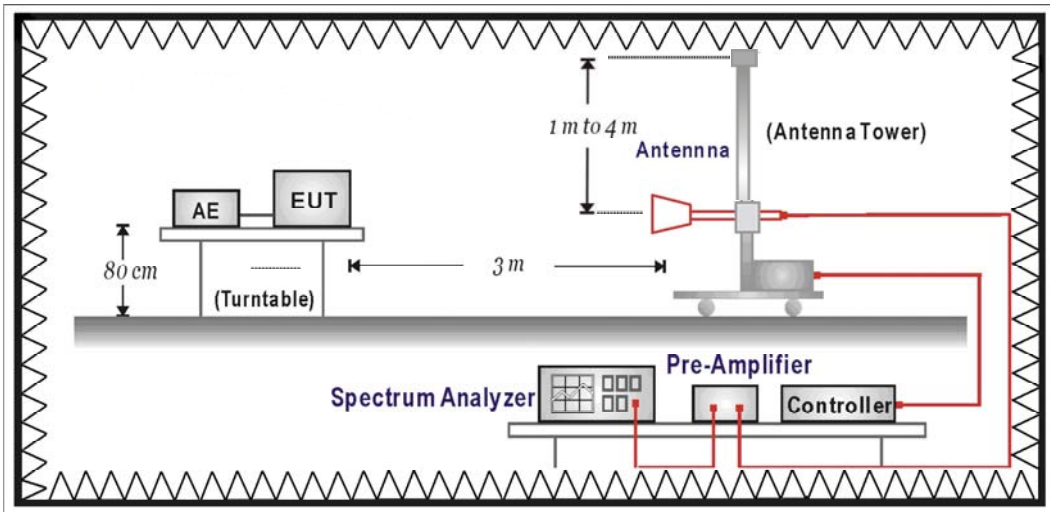
The following test equipments are used during the test:

Radiated Emission Band Edge / CB1

Instrument	Manufacturer	Model No.	Serial No	Cal. Date	Next Cal. Date
Double Ridged Guide Horn Antenna	Schwarzback	BBHA 9120D	743	2011/02/25	2012/02/24
Spectrum Analyzer	Agilent	E4440A	MY46187335	2011/01/07	2012/01/06
Coaxial Cable	Huber+Suhner AG	Sucoflex 102	25623/2	2011/03/22	2012/03/21

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

6.2. Test Setup



6.3. Limits

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

6.4. Test Procedure

The EUT was setup according to ANSI C63.4: 2009 and tested according to DTS test procedure of Oct 2002 KDB558074 for compliance to FCC 47CFR 15.247 requirements.
The EUT and its simulators are placed on a turn table which is 0.8 meter above ground.
The turn table can rotate 360 degrees to determine the position of the maximum emission level. The EUT was positioned such that the distance from antenna to the EUT was 3 meters.
The antenna can move up and down between 1 meter and 4 meters to find out the maximum emission level.
Both horizontal and vertical polarization of the antenna are set on measurement. In order to find the maximum emission, all of the interface cables must be manipulated according to ANSI C63.4: 2009 on radiated measurement.

6.5. Test Specification

According to FCC Part 15 Subpart C Paragraph 15.247: 2010

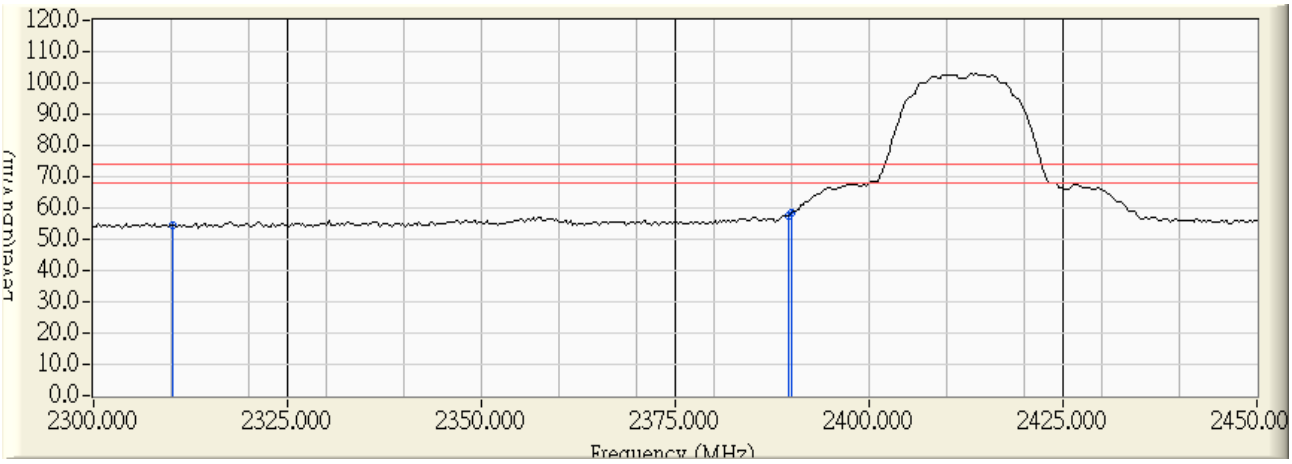
6.6. Uncertainty

The measurement uncertainty
± 3.9 dB above 1GHz

6.7. Test Result

Radiated is defined as

Site : CB1	**Time : 2011/11/25 - 11:50**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Dual-band Wireless-N Ethernet Adapter	**Note : Mode 1: Transmit (Adapter: DVE)** **2412MHz_802.11b**

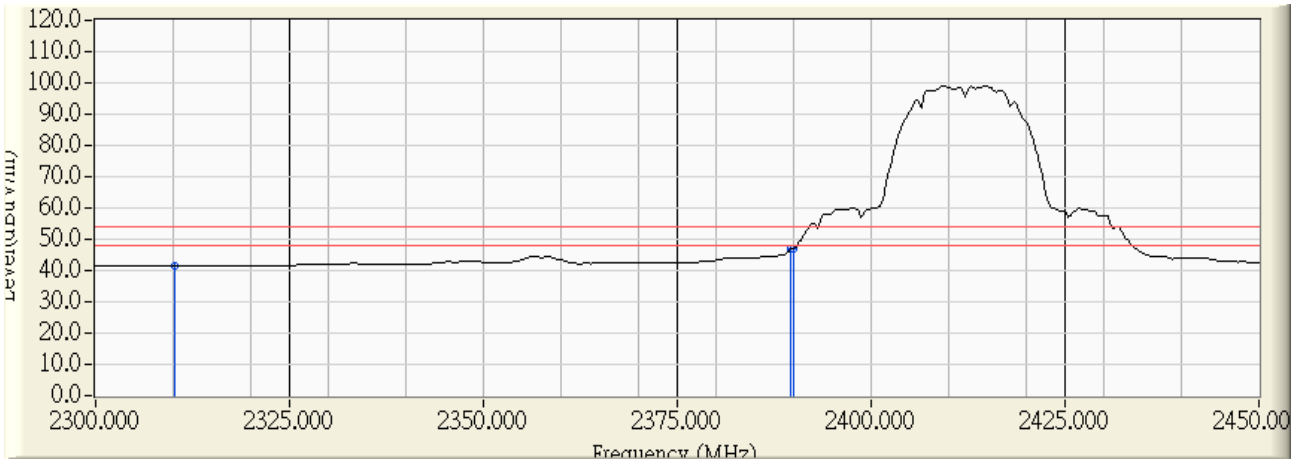


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.200	29.781	24.656	54.437	-19.563	74.000	PEAK
2		2389.700	30.575	27.092	57.667	-16.333	74.000	PEAK
3	*	2390.000	30.578	27.935	58.513	-15.487	74.000	PEAK

Note:

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

Site : CB1	**Time : 2011/11/25 - 15:34**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Dual-band Wireless-N Ethernet Adapter	**Note : Mode 1: Transmit (Adapter: DVE)** **2412MHz_802.11b**

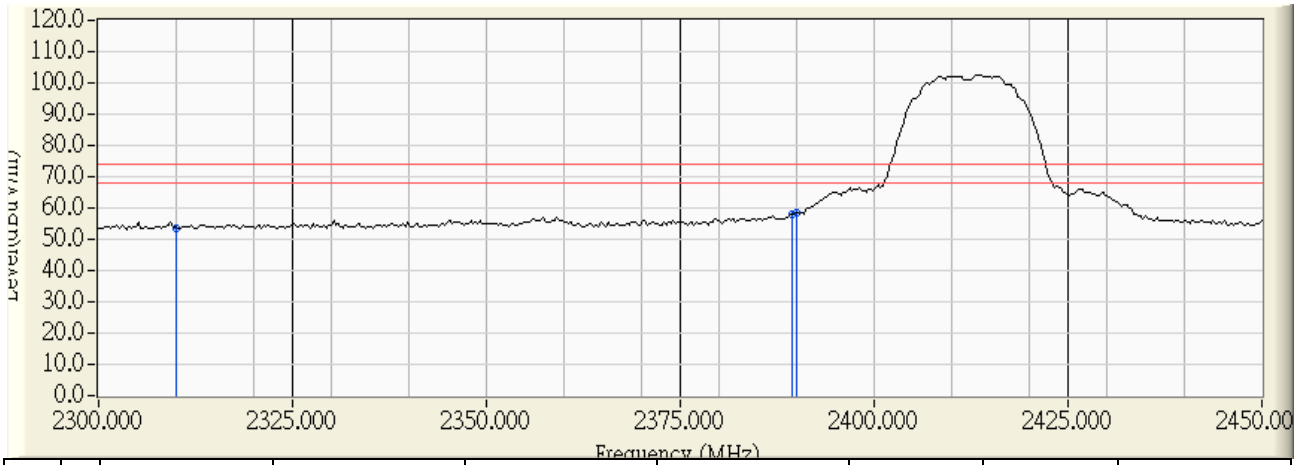


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.200	29.781	11.752	41.533	-12.467	54.000	AVERAGE
2		2389.700	30.575	16.190	46.765	-7.235	54.000	AVERAGE
3	*	2390.000	30.578	16.567	47.145	-6.855	54.000	AVERAGE

Note:

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

Site : CB1	**Time : 2011/11/25 - 12:52**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Dual-band Wireless-N Ethernet Adapter	**Note : Mode 1: Transmit (Adapter: DVE)** **2412MHz_802.11b**

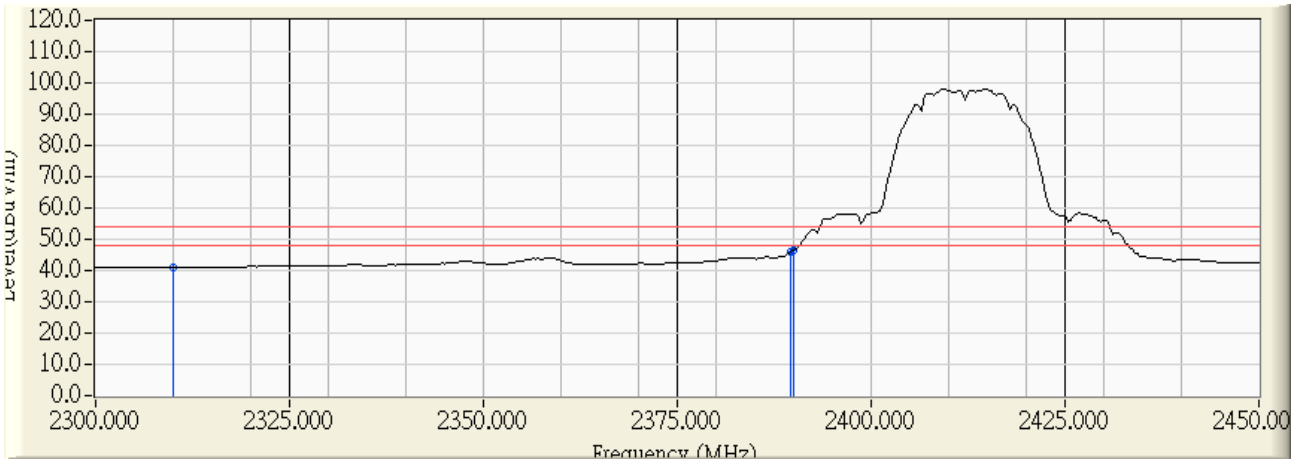


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	29.779	23.946	53.725	-20.275	74.000	PEAK
2		2389.400	30.571	27.587	58.159	-15.841	74.000	PEAK
3	*	2390.000	30.578	27.867	58.445	-15.555	74.000	PEAK

Note:

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

Site : CB1	**Time : 2011/11/25 - 15:40**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Dual-band Wireless-N Ethernet Adapter	**Note : Mode 1: Transmit (Adapter: DVE)** **2412MHz_802.11b**

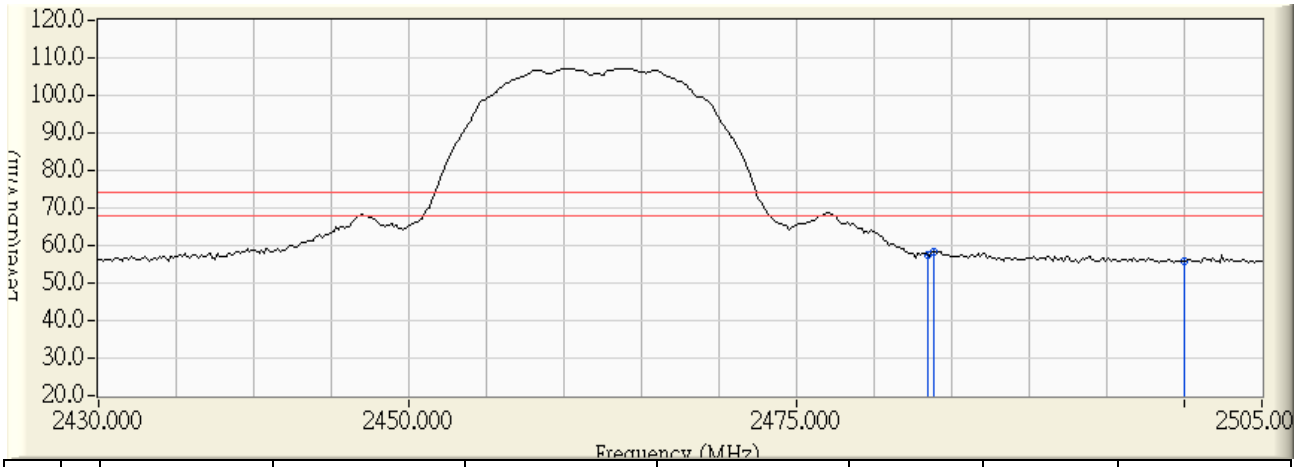


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	29.779	11.289	41.068	-12.932	54.000	AVERAGE
2		2389.700	30.575	15.453	46.028	-7.972	54.000	AVERAGE
3	*	2390.000	30.578	15.962	46.540	-7.460	54.000	AVERAGE

Note:

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

Site : CB1	**Time : 2011/11/25 - 14:58**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Dual-band Wireless-N Ethernet Adapter	**Note : Mode 1: Transmit (Adapter: DVE)** **2462MHz_802.11b**

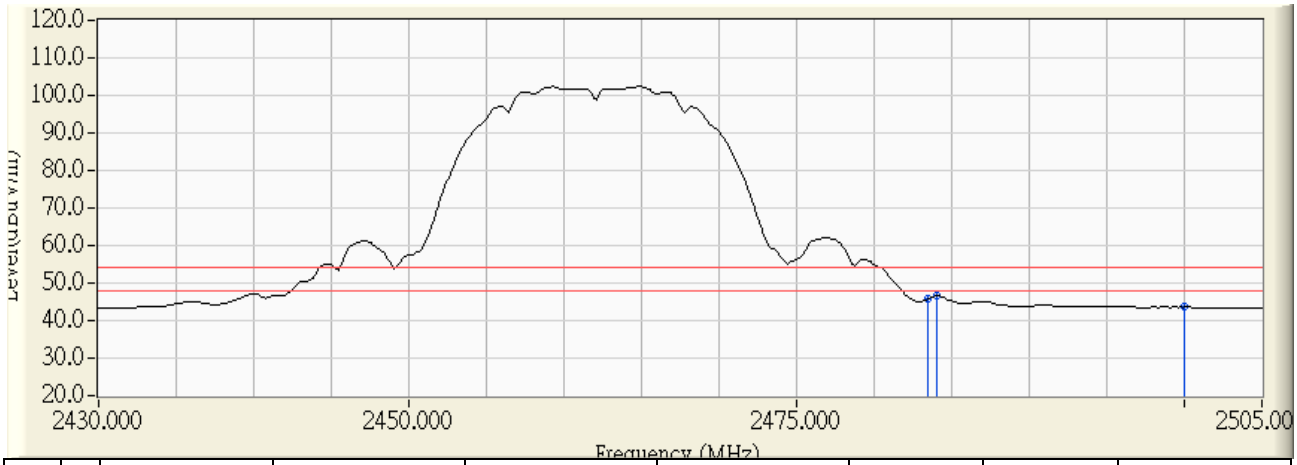


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2483.500	31.512	25.904	57.416	-16.584	74.000	PEAK
2	*	2483.850	31.515	26.963	58.478	-15.522	74.000	PEAK
3		2500.000	31.638	24.092	55.731	-18.269	74.000	PEAK

Note:

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

Site : CB1	**Time : 2011/11/25 - 15:53**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Dual-band Wireless-N Ethernet Adapter	**Note : Mode 1: Transmit (Adapter: DVE)** **2462MHz_802.11b**

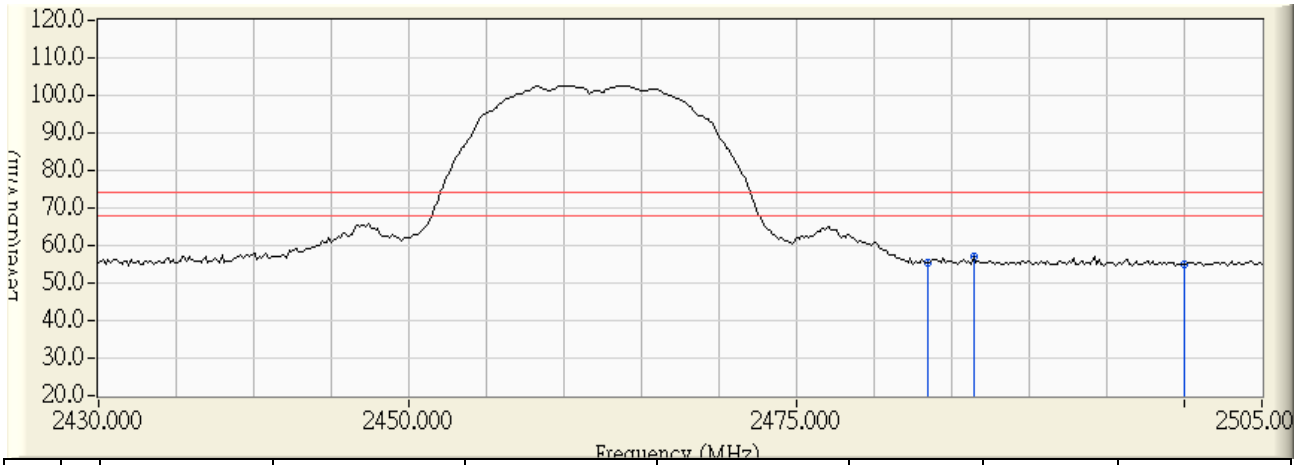


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2483.500	31.512	14.320	45.832	-8.168	54.000	AVERAGE
2	*	2484.000	31.517	14.991	46.508	-7.492	54.000	AVERAGE
3		2500.000	31.638	11.906	43.545	-10.455	54.000	AVERAGE

Note:

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

Site : CB1	**Time : 2011/11/25 - 15:03**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Dual-band Wireless-N Ethernet Adapter	**Note : Mode 1: Transmit (Adapter: DVE)** **2462MHz_802.11b**

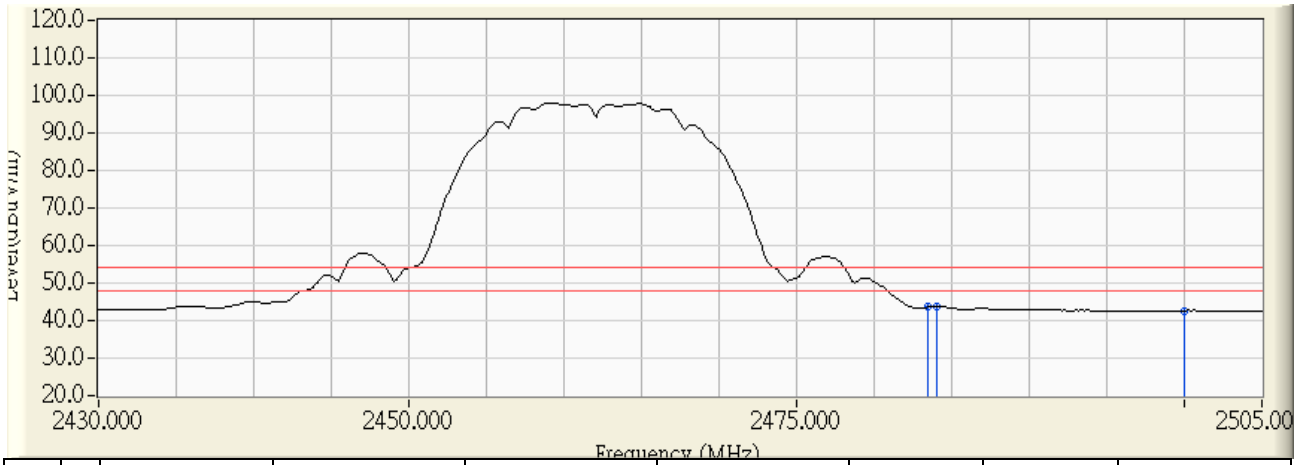


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2483.500	31.512	23.855	55.367	-18.633	74.000	PEAK
2	*	2486.400	31.541	25.377	56.918	-17.082	74.000	PEAK
3		2500.000	31.638	23.505	55.144	-18.856	74.000	PEAK

Note:

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

Site : CB1	**Time : 2011/11/25 - 15:35**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Dual-band Wireless-N Ethernet Adapter	**Note : Mode 1: Transmit (Adapter: DVE)** **2462MHz_802.11b**

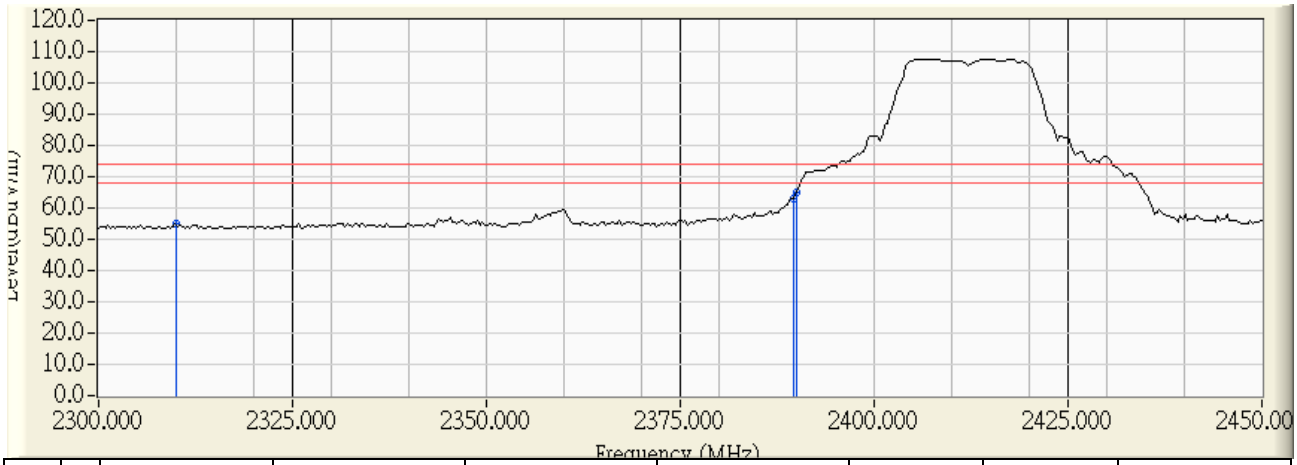


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2483.500	31.512	12.062	43.574	-10.426	54.000	AVERAGE
2	*	2484.000	31.517	12.408	43.925	-10.075	54.000	AVERAGE
3		2500.000	31.638	11.043	42.682	-11.318	54.000	AVERAGE

Note:

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

Site : CB1	**Time : 2011/11/25 - 13:03**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Dual-band Wireless-N Ethernet Adapter	**Note : Mode 1: Transmit (Adapter: DVE)** **2412MHz_802.11g**

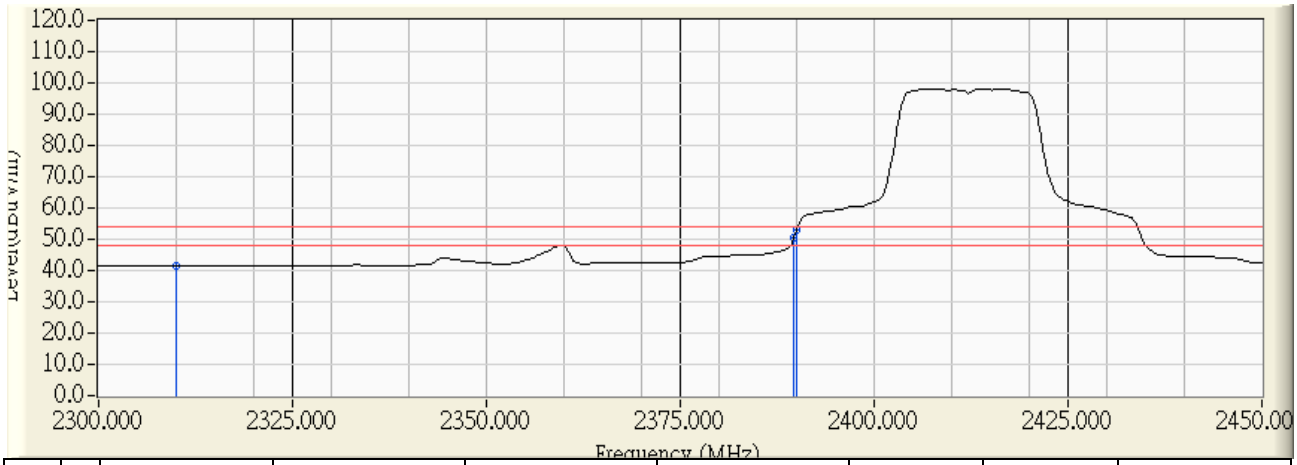


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	29.779	25.108	54.887	-19.113	74.000	PEAK
2		2389.700	30.575	32.637	63.212	-10.788	74.000	PEAK
3	*	2390.000	30.578	34.329	64.907	-9.093	74.000	PEAK

Note:

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

Site : CB1	**Time : 2011/11/25 - 15:39**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Dual-band Wireless-N Ethernet Adapter	**Note : Mode 1: Transmit (Adapter: DVE)** **2412MHz_802.11g**

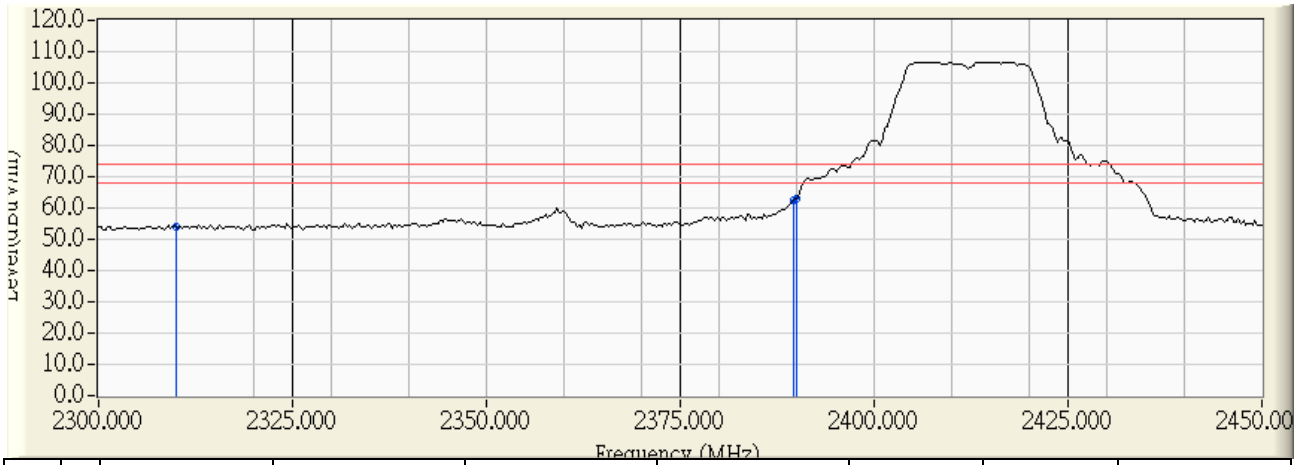


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	29.779	11.623	41.402	-12.598	54.000	AVERAGE
2		2389.700	30.575	19.777	50.352	-3.648	54.000	AVERAGE
3	*	2390.000	30.578	22.237	52.815	-1.185	54.000	AVERAGE

Note:

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

Site : CB1	**Time : 2011/11/25 - 13:09**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Dual-band Wireless-N Ethernet Adapter	**Note : Mode 1: Transmit (Adapter: DVE)** **2412MHz_802.11g**

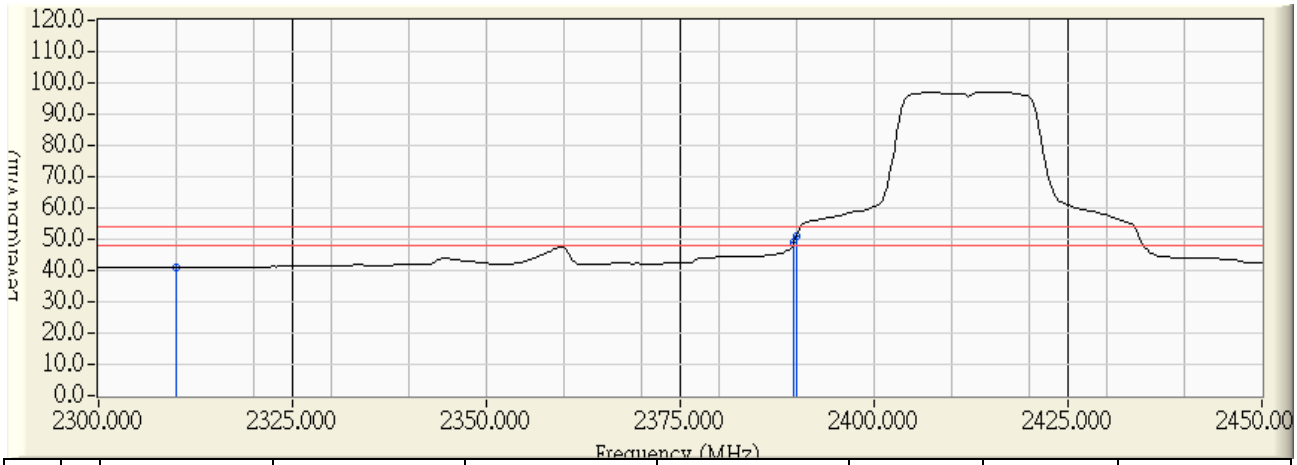


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	29.779	24.293	54.072	-19.928	74.000	PEAK
2		2389.700	30.575	32.113	62.688	-11.312	74.000	PEAK
3	*	2390.000	30.578	32.635	63.213	-10.787	74.000	PEAK

Note:

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

Site : CB1	**Time : 2011/11/25 - 15:39**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Dual-band Wireless-N Ethernet Adapter	**Note : Mode 1: Transmit (Adapter: DVE)** **2412MHz_802.11g**

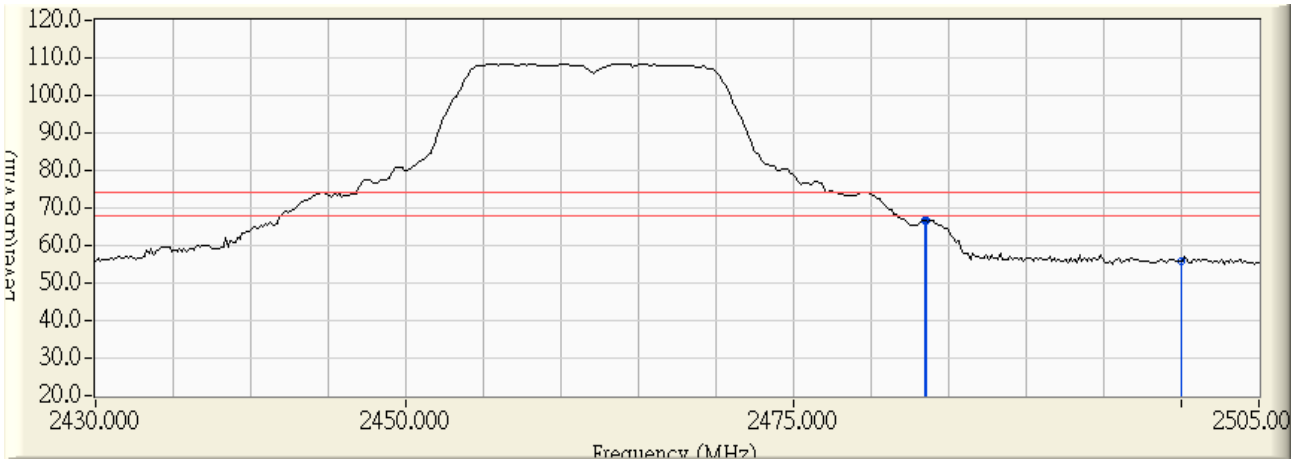


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	29.779	11.321	41.100	-12.900	54.000	AVERAGE
2		2389.700	30.575	18.325	48.900	-5.100	54.000	AVERAGE
3	*	2390.000	30.578	20.313	50.891	-3.109	54.000	AVERAGE

Note:

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

Site : CB1	**Time : 2011/11/25 - 14:47**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Dual-band Wireless-N Ethernet Adapter	**Note : Mode 1: Transmit (Adapter: DVE)** **2462MHz_802.11g**

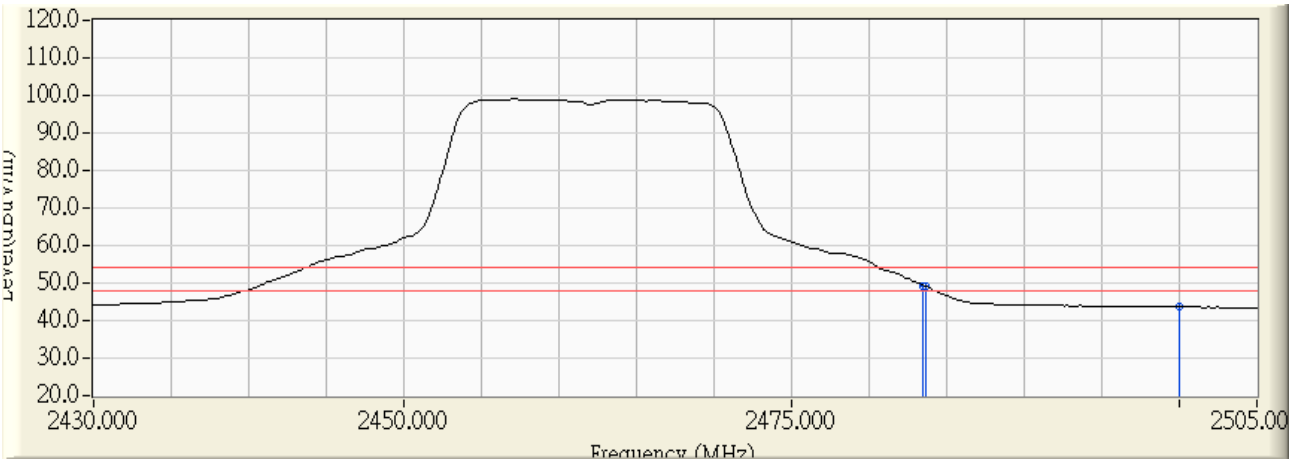


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2483.500	31.512	35.294	66.806	-7.194	74.000	PEAK
2	*	2483.550	31.513	35.306	66.818	-7.182	74.000	PEAK
3		2500.000	31.638	24.286	55.925	-18.075	74.000	PEAK

Note:

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

Site : CB1	**Time : 2011/11/25 - 15:36**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Dual-band Wireless-N Ethernet Adapter	**Note : Mode 1: Transmit (Adapter: DVE)** **2462MHz_802.11g**

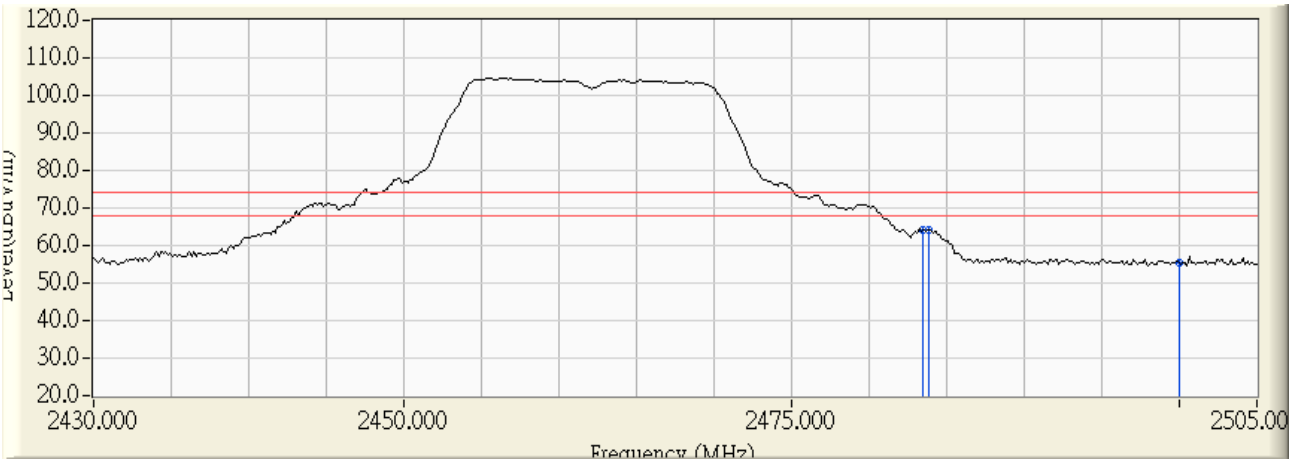


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	2483.500	31.512	17.817	49.329	-4.671	54.000	AVERAGE
2		2483.700	31.514	17.446	48.960	-5.040	54.000	AVERAGE
3		2500.000	31.638	11.987	43.626	-10.374	54.000	AVERAGE

Note:

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

Site : CB1	**Time : 2011/11/25 - 14:51**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Dual-band Wireless-N Ethernet Adapter	**Note : Mode 1: Transmit (Adapter: DVE)** **2462MHz_802.11g**

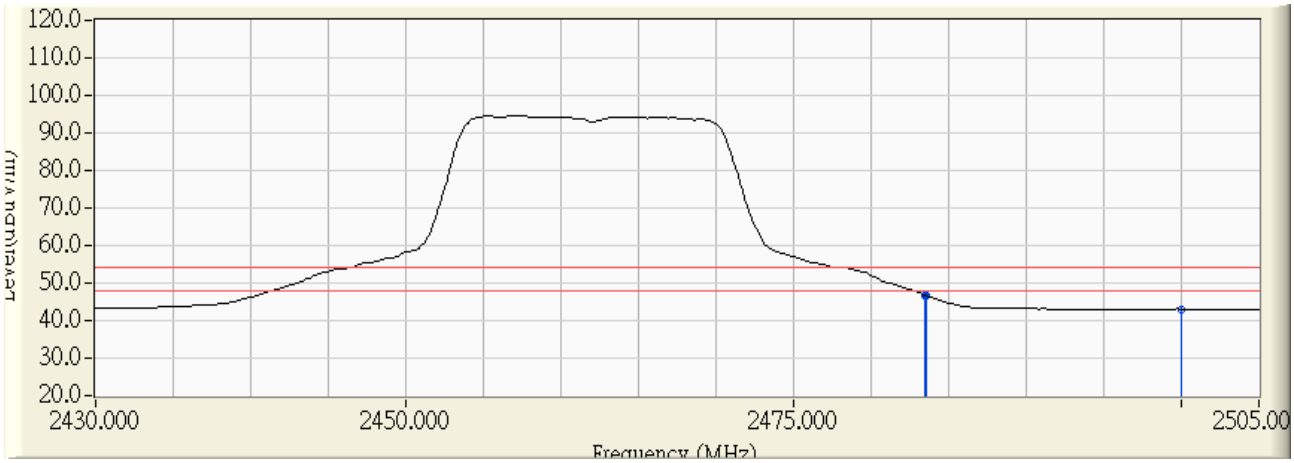


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	2483.500	31.512	32.562	64.074	-9.926	74.000	PEAK
2		2483.850	31.515	32.528	64.043	-9.957	74.000	PEAK
3		2500.000	31.638	23.713	55.352	-18.648	74.000	PEAK

Note:

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

Site : CB1	**Time : 2011/11/25 - 15:36**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Dual-band Wireless-N Ethernet Adapter	**Note : Mode 1: Transmit (Adapter: DVE)** **2462MHz_802.11g**

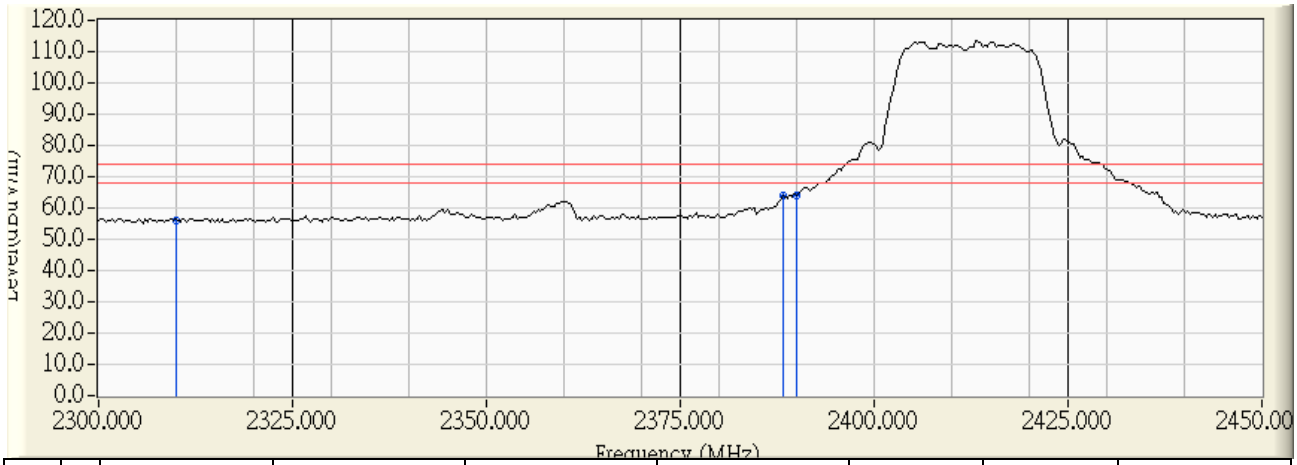


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	2483.500	31.512	15.196	46.708	-7.292	54.000	AVERAGE
2		2483.550	31.513	15.115	46.627	-7.373	54.000	AVERAGE
3		2500.000	31.638	11.366	43.005	-10.995	54.000	AVERAGE

Note:

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

Site : CB1	**Time : 2011/11/25 - 13:20**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Dual-band Wireless-N Ethernet Adapter	**Note : Mode 1: Transmit (Adapter: DVE)** **2412MHz_802.11n20**

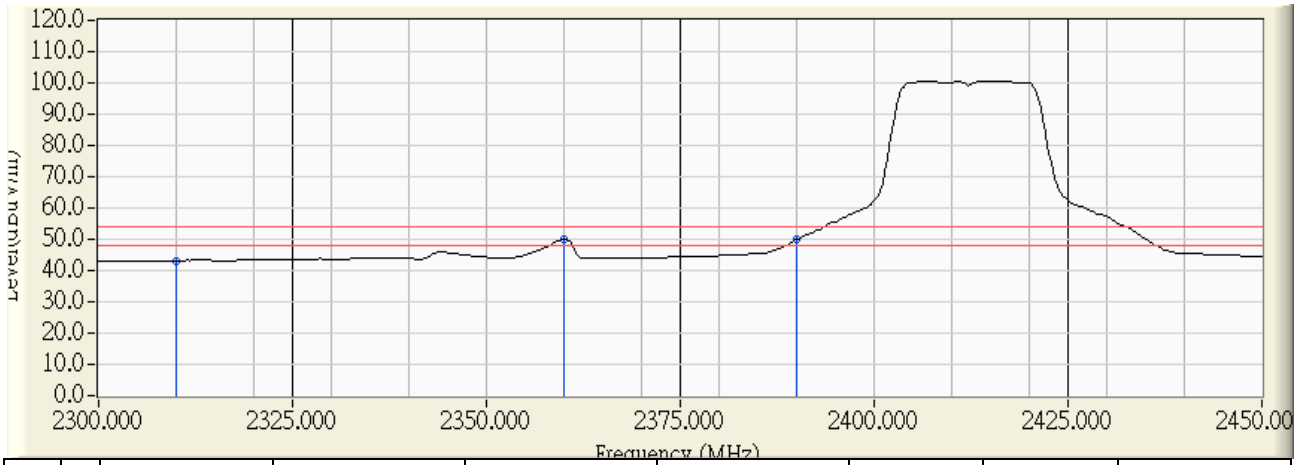


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	29.779	26.356	56.135	-17.865	74.000	PEAK
2		2388.200	30.560	33.196	63.756	-10.244	74.000	PEAK
3	*	2390.000	30.578	33.234	63.812	-10.188	74.000	PEAK

Note:

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

Site : CB1	**Time : 2011/11/25 - 15:39**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Dual-band Wireless-N Ethernet Adapter	**Note : Mode 1: Transmit (Adapter: DVE)** **2412MHz_802.11n20**

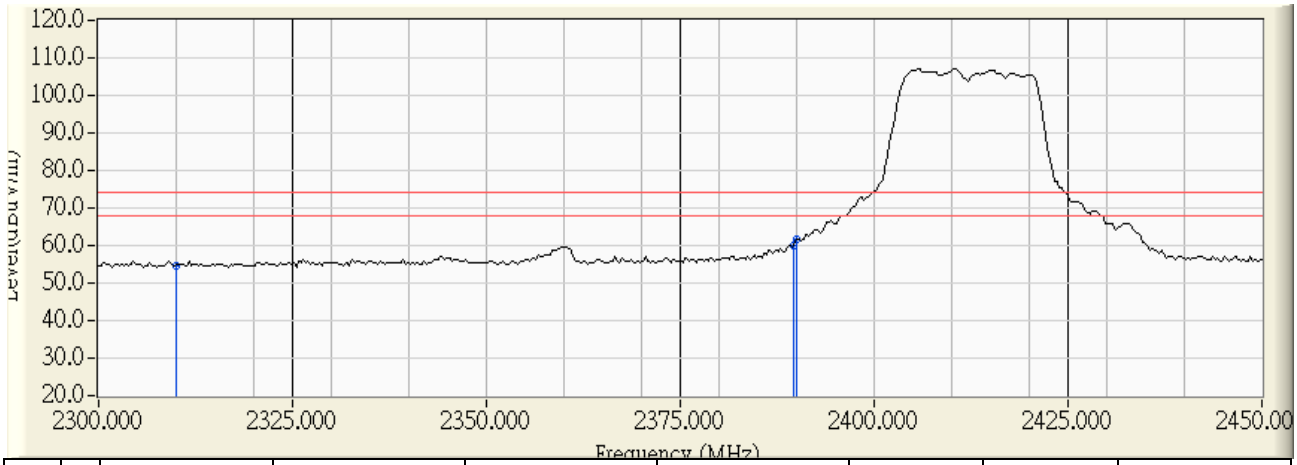


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	29.779	13.396	43.175	-10.825	54.000	AVERAGE
2	*	2360.000	30.278	19.616	49.894	-4.106	54.000	AVERAGE
3		2390.000	30.578	19.236	49.814	-4.186	54.000	AVERAGE

Note:

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

Site : CB1	**Time : 2011/11/25 - 13:33**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Dual-band Wireless-N Ethernet Adapter	**Note : Mode 1: Transmit (Adapter: DVE)** **2412MHz_802.11n20**

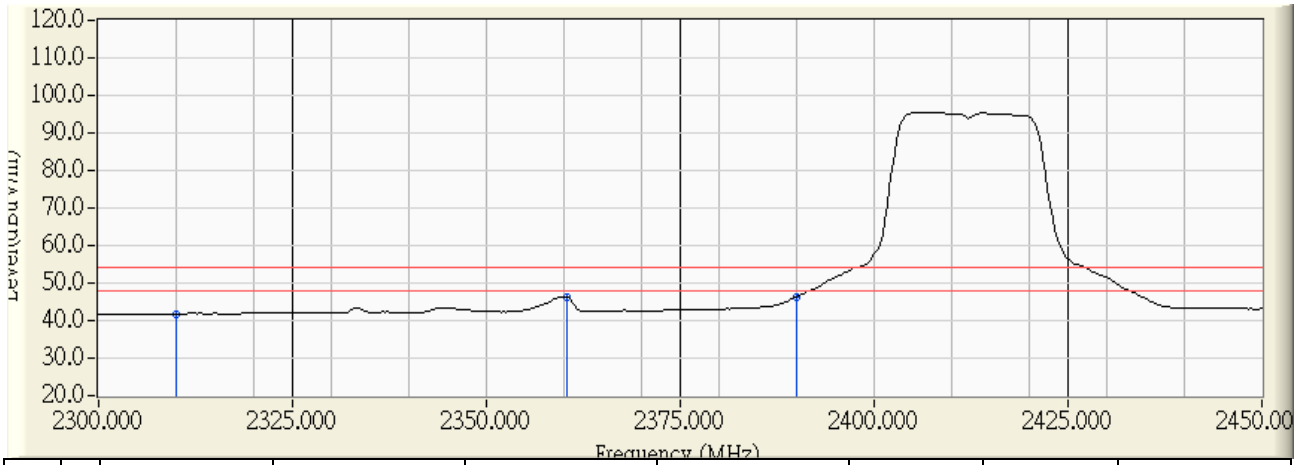


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	29.779	24.883	54.662	-19.338	74.000	PEAK
2		2389.700	30.575	29.543	60.118	-13.882	74.000	PEAK
3	*	2390.000	30.578	31.116	61.694	-12.306	74.000	PEAK

Note:

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

Site : CB1	**Time : 2011/11/25 - 15:39**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Dual-band Wireless-N Ethernet Adapter	**Note : Mode 1: Transmit (Adapter: DVE)** **2412MHz_802.11n20**

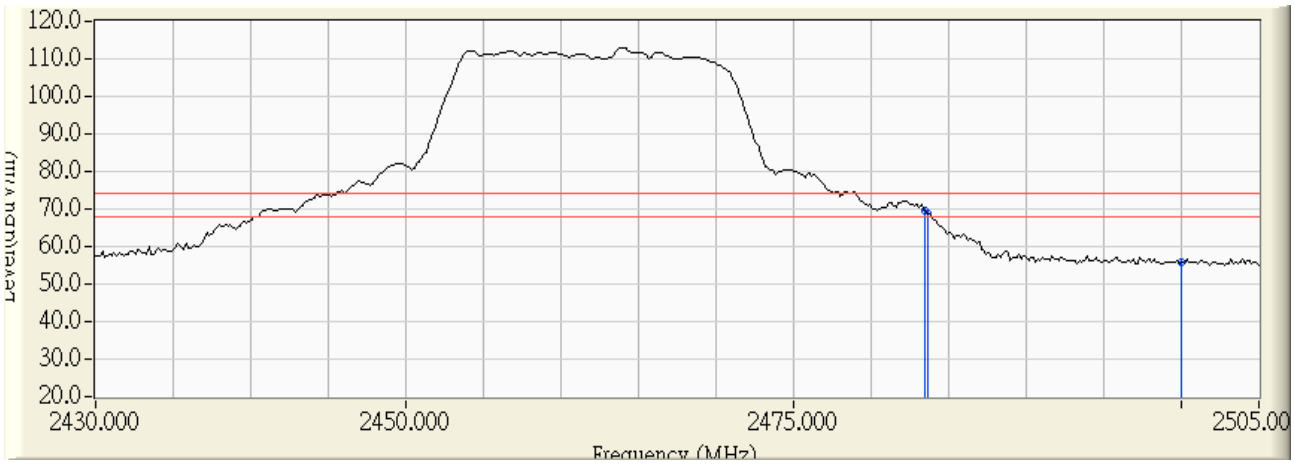


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	29.779	12.064	41.843	-12.157	54.000	AVERAGE
2		2360.300	30.282	16.133	46.414	-7.586	54.000	AVERAGE
3	*	2390.000	30.578	15.843	46.421	-7.579	54.000	AVERAGE

Note:

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

Site : CB1	**Time : 2011/11/25 - 14:35**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Dual-band Wireless-N Ethernet Adapter	**Note : Mode 1: Transmit (Adapter: DVE)** **2462MHz_802.11n20**

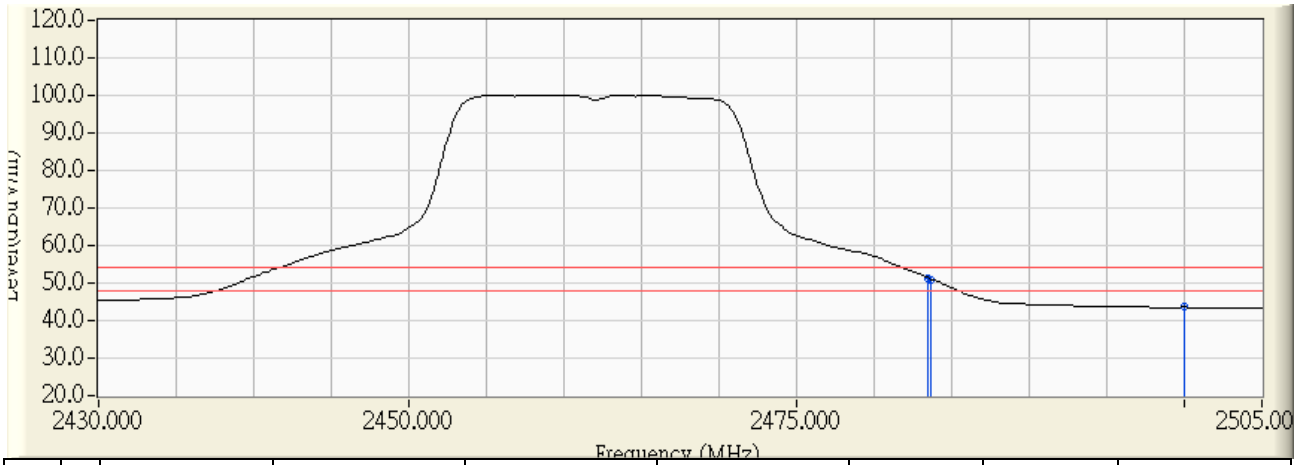


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	2483.500	31.512	38.041	69.553	-4.447	74.000	PEAK
2		2483.700	31.514	37.077	68.591	-5.409	74.000	PEAK
3		2500.000	31.638	24.083	55.722	-18.278	74.000	PEAK

Note:

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

Site : CB1	**Time : 2011/11/25 - 15:37**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Dual-band Wireless-N Ethernet Adapter	**Note : Mode 1: Transmit (Adapter: DVE)** **2462MHz_802.11n20**

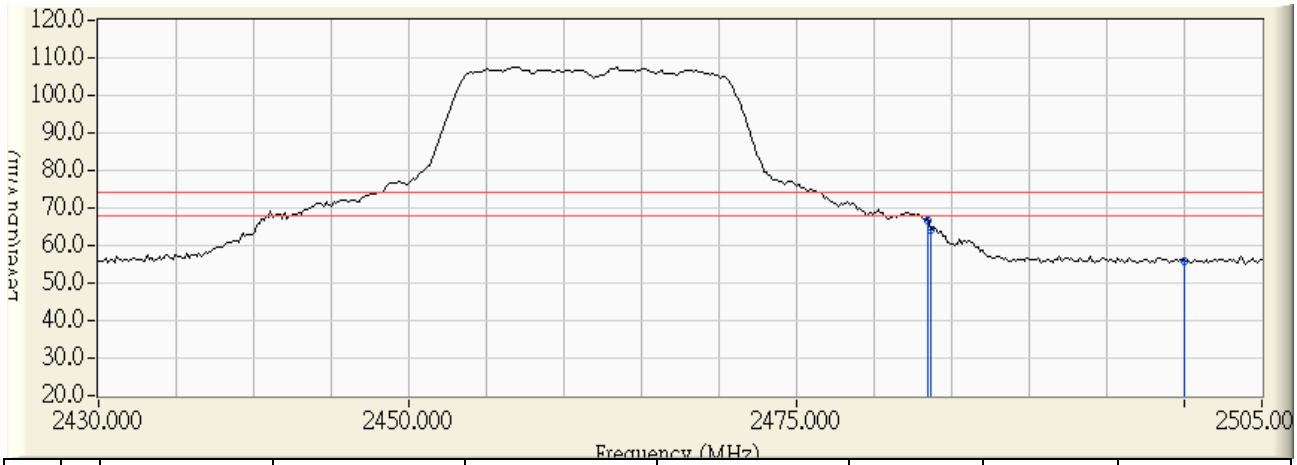


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	2483.500	31.512	19.831	51.343	-2.657	54.000	AVERAGE
2		2483.700	31.514	19.523	51.037	-2.963	54.000	AVERAGE
3		2500.000	31.638	11.965	43.604	-10.396	54.000	AVERAGE

Note:

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

Site : CB1	**Time : 2011/11/25 - 14:40**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Dual-band Wireless-N Ethernet Adapter	**Note : Mode 1: Transmit (Adapter: DVE)** **2462MHz_802.11n20**

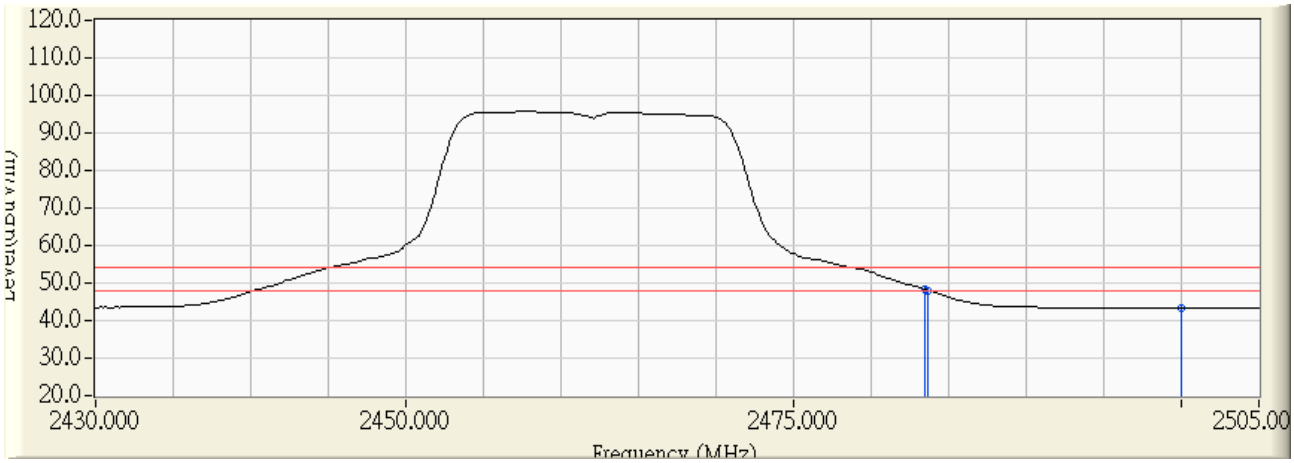


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	2483.500	31.512	35.281	66.793	-7.207	74.000	PEAK
2		2483.700	31.514	32.815	64.329	-9.671	74.000	PEAK
3		2500.000	31.638	24.284	55.923	-18.077	74.000	PEAK

Note:

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

Site : CB1	**Time : 2011/11/25 - 15:37**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Dual-band Wireless-N Ethernet Adapter	**Note : Mode 1: Transmit (Adapter: DVE)** **2462MHz_802.11n20**

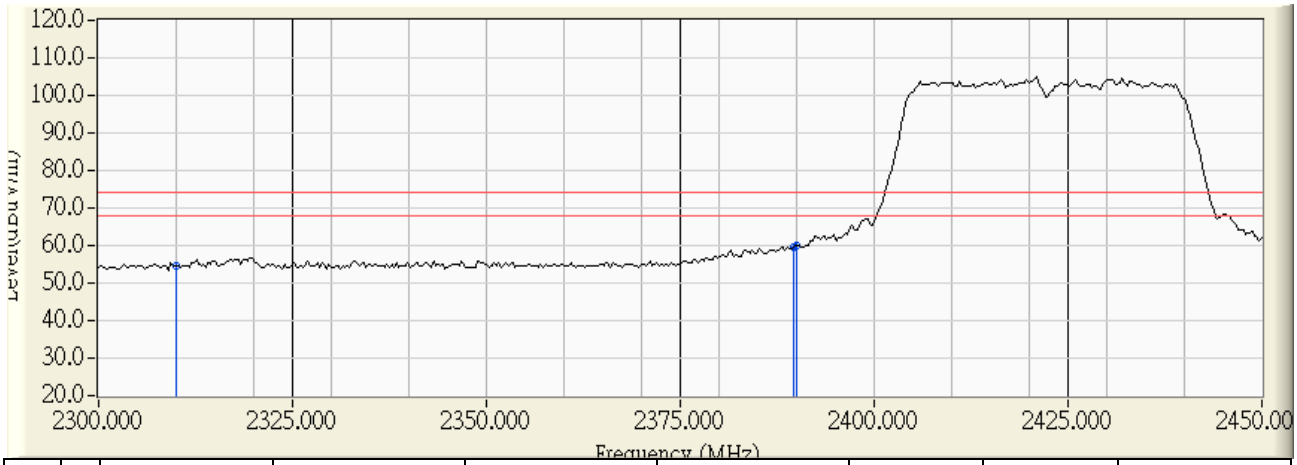


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	2483.500	31.512	16.684	48.196	-5.804	54.000	AVERAGE
2		2483.700	31.514	16.422	47.936	-6.064	54.000	AVERAGE
3		2500.000	31.638	11.657	43.296	-10.704	54.000	AVERAGE

Note:

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

Site : CB1	**Time : 2011/11/25 - 13:46**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Dual-band Wireless-N Ethernet Adapter	**Note : Mode 1: Transmit (Adapter: DVE)** **2422MHz_802.11n40**

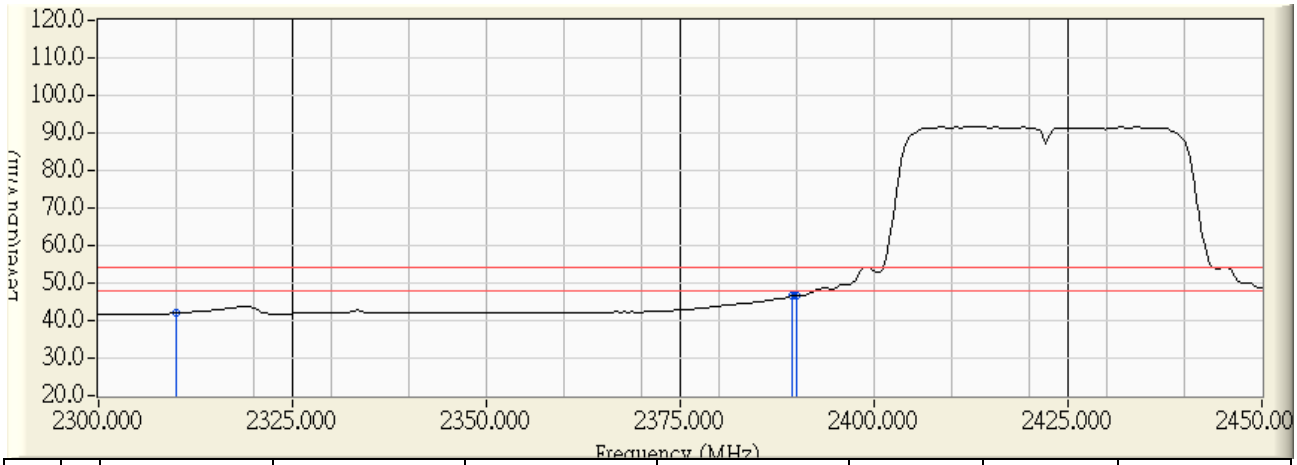


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	29.779	24.761	54.540	-19.460	74.000	PEAK
2		2389.700	30.575	29.080	59.655	-14.345	74.000	PEAK
3	*	2390.000	30.578	29.273	59.851	-14.149	74.000	PEAK

Note:

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

Site : CB1	**Time : 2011/11/25 - 15:38**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Dual-band Wireless-N Ethernet Adapter	**Note : Mode 1: Transmit (Adapter: DVE)** **2422MHz_802.11n40**

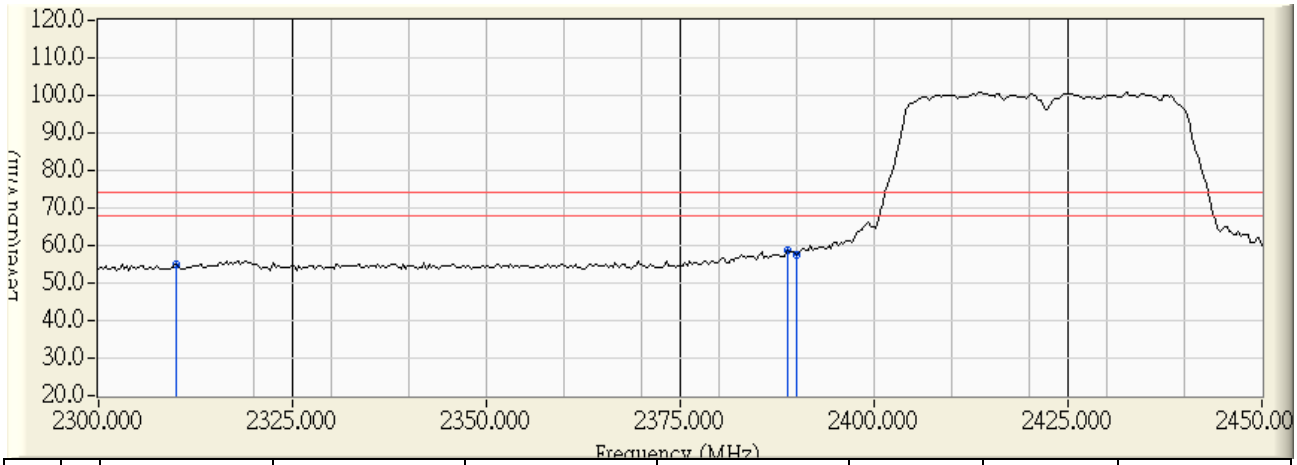


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	29.779	12.184	41.963	-12.037	54.000	AVERAGE
2		2389.400	30.571	15.923	46.495	-7.505	54.000	AVERAGE
3	*	2390.000	30.578	16.109	46.687	-7.313	54.000	AVERAGE

Note:

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

Site : CB1	**Time : 2011/11/25 - 13:52**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Dual-band Wireless-N Ethernet Adapter	**Note : Mode 1: Transmit (Adapter: DVE)** **2422MHz_802.11n40**

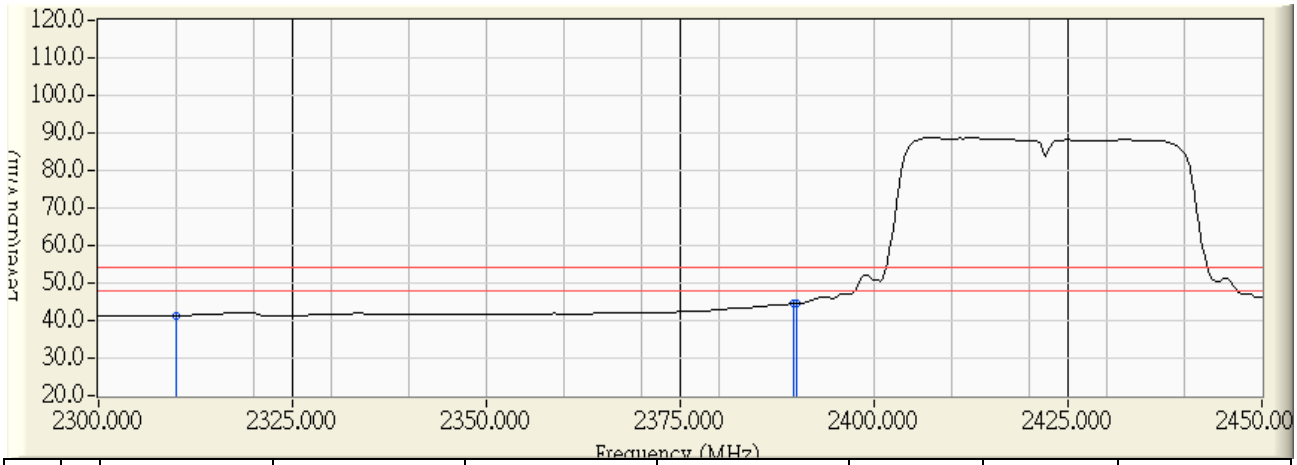


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	29.779	25.039	54.818	-19.182	74.000	PEAK
2	*	2388.800	30.566	28.001	58.567	-15.433	74.000	PEAK
3		2390.000	30.578	26.787	57.365	-16.635	74.000	PEAK

Note:

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

Site : CB1	**Time : 2011/11/25 - 15:38**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Dual-band Wireless-N Ethernet Adapter	**Note : Mode 1: Transmit (Adapter: DVE)** **2422MHz_802.11n40**

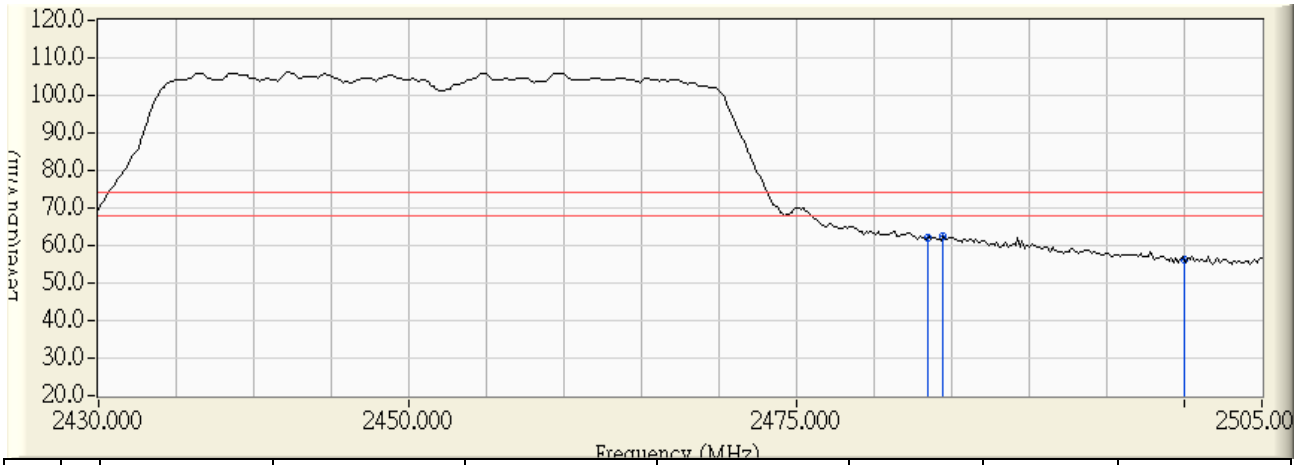


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	29.779	11.506	41.285	-12.715	54.000	AVERAGE
2		2389.700	30.575	14.061	44.636	-9.364	54.000	AVERAGE
3	*	2390.000	30.578	14.090	44.668	-9.332	54.000	AVERAGE

Note:

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

Site : CB1	**Time : 2011/11/25 - 14:13**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Dual-band Wireless-N Ethernet Adapter	**Note : Mode 1: Transmit (Adapter: DVE)** **2452MHz_802.11n40**

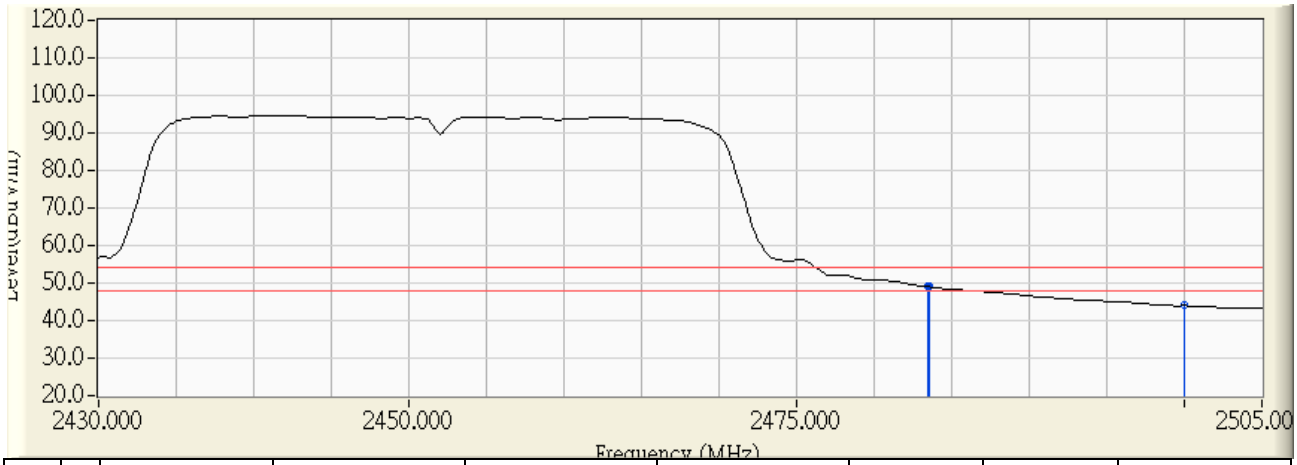


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2483.500	31.512	30.624	62.136	-11.864	74.000	PEAK
2	*	2484.450	31.521	30.852	62.373	-11.627	74.000	PEAK
3		2500.000	31.638	24.438	56.077	-17.923	74.000	PEAK

Note:

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

Site : CB1	**Time : 2011/11/25 - 15:38**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Dual-band Wireless-N Ethernet Adapter	**Note : Mode 1: Transmit (Adapter: DVE)** **2452MHz_802.11n40**

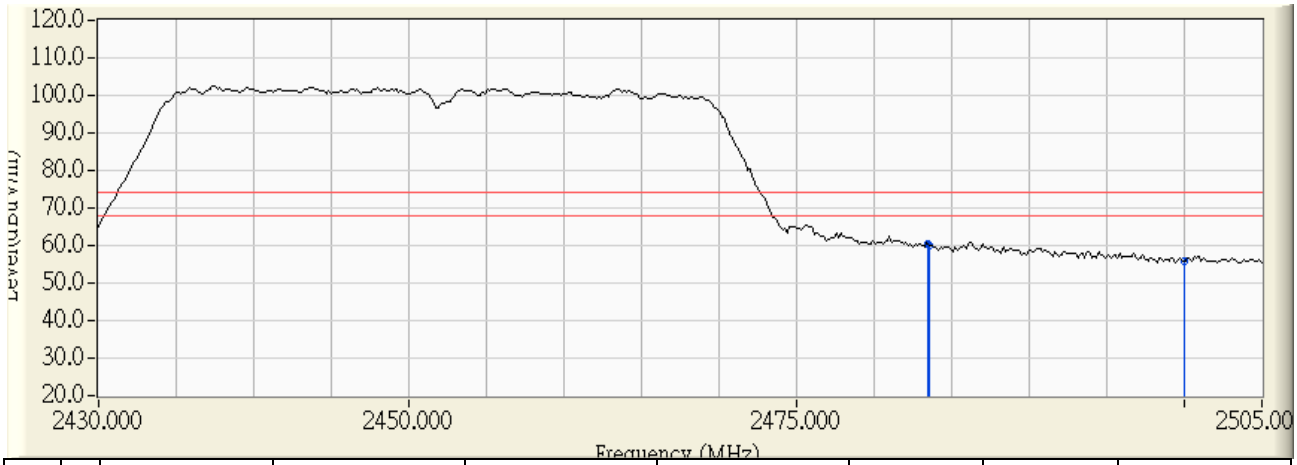


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	2483.500	31.512	17.527	49.039	-4.961	54.000	AVERAGE
2		2483.550	31.513	17.496	49.008	-4.992	54.000	AVERAGE
3		2500.000	31.638	12.377	44.016	-9.984	54.000	AVERAGE

Note:

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

Site : CB1	**Time : 2011/11/25 - 14:19**
Limit : FCC_SpartC_15.209_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Dual-band Wireless-N Ethernet Adapter	**Note : Mode 1: Transmit (Adapter: DVE)** **2452MHz_802.11n40**

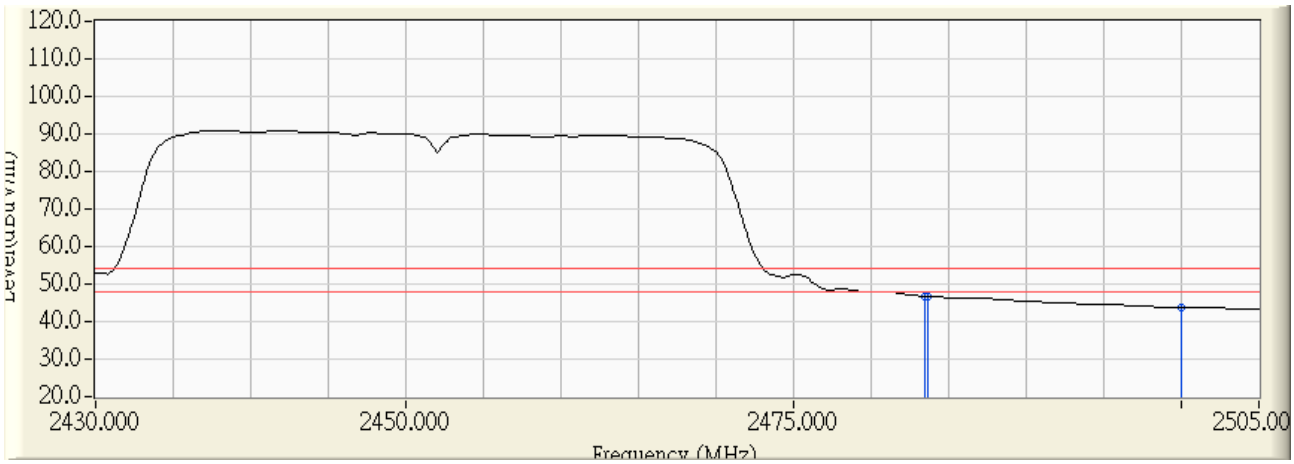


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	2483.500	31.512	28.790	60.302	-13.698	74.000	PEAK
2		2483.550	31.513	28.616	60.128	-13.872	74.000	PEAK
3		2500.000	31.638	24.203	55.842	-18.158	74.000	PEAK

Note:

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

Site : CB1	**Time : 2011/11/25 - 15:38**
Limit : FCC_SpartC_15.209_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Dual-band Wireless-N Ethernet Adapter	**Note : Mode 1: Transmit (Adapter: DVE)** **2452MHz_802.11n40**



		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	2483.500	31.512	15.285	46.797	-7.203	54.000	AVERAGE
2		2483.700	31.514	15.217	46.731	-7.269	54.000	AVERAGE
3		2500.000	31.638	12.254	43.893	-10.107	54.000	AVERAGE

Note:

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

7. Occupied Bandwidth

7.1. Test Equipment

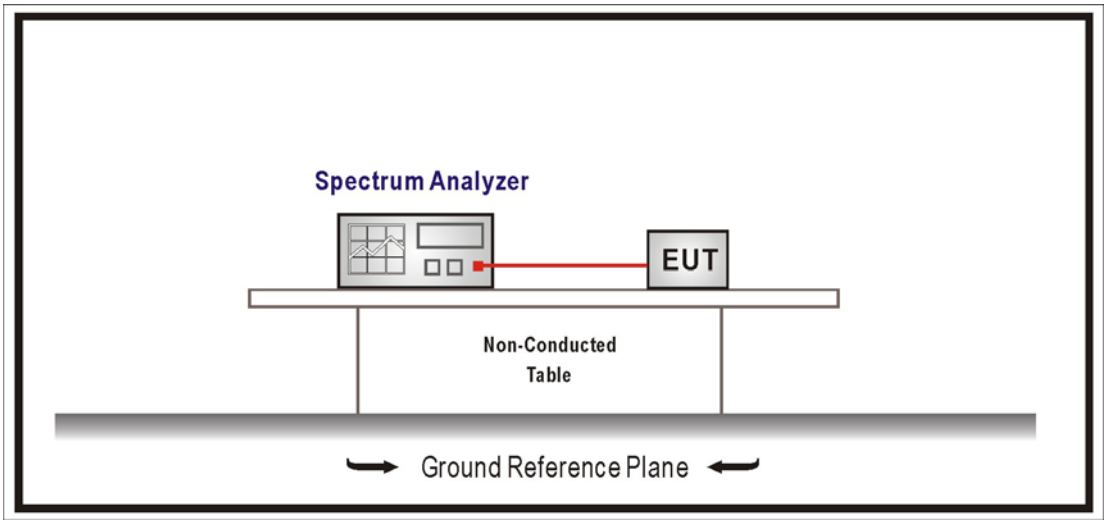
The following test equipments are used during the test:

Occupied Bandwidth / SR7

Instrument	Manufacturer	Model No.	Serial No	Cal. Date	Next Cal. Date
Spectrum Analyzer	R&S	FSP	100561	2011/01/17	2012/01/16

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

7.2. Test Setup



7.3. Test Procedures

The EUT was setup according to ANSI C63.4: 2009; tested according to DTS test procedure of Oct 2002 KDB558074 for compliance to FCC 47CFR 15.247 requirements.
Set RBW = 100 kHz, Span greater than RBW.

7.4. Limits

The 6 dB bandwidth must be greater than 500 kHz.

7.5. Test Specification

According to FCC Part 15 Subpart C Paragraph 15.247: 2010

7.6. Uncertainty

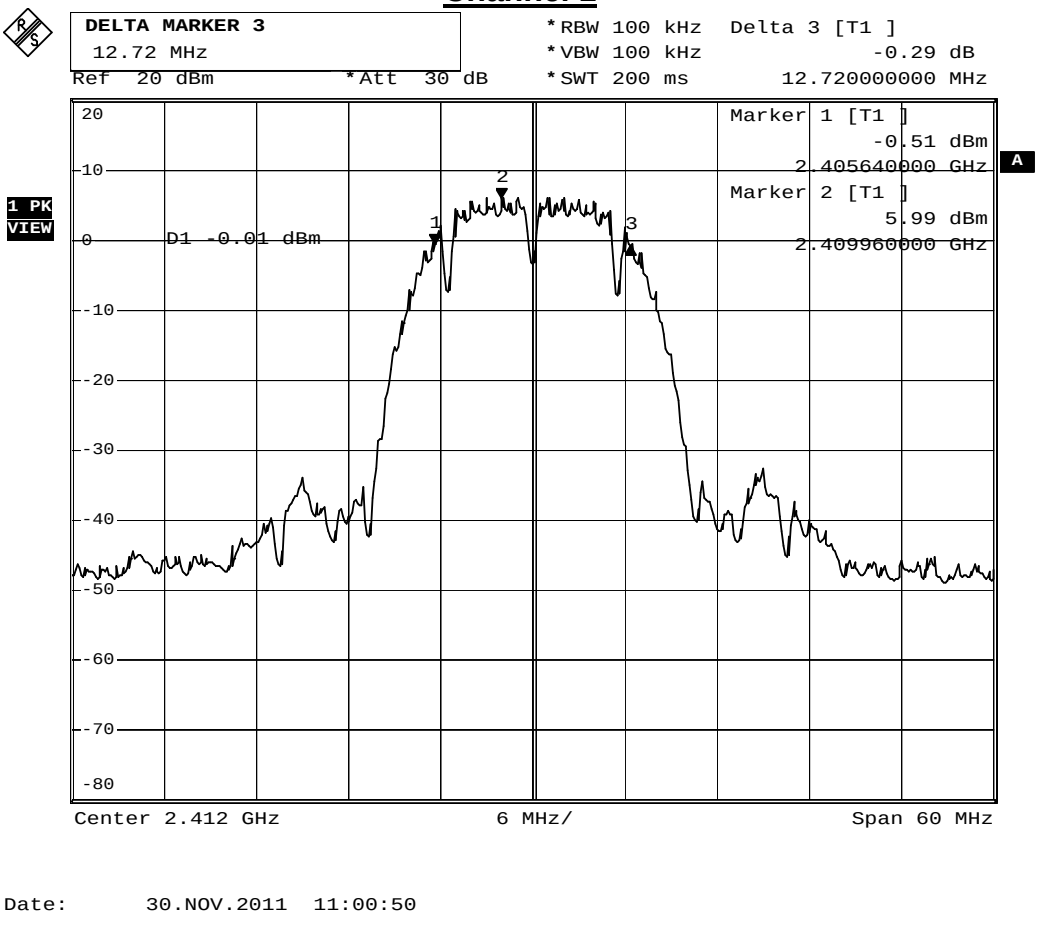
The measurement uncertainty is defined as ±150Hz

7.7. Test Result

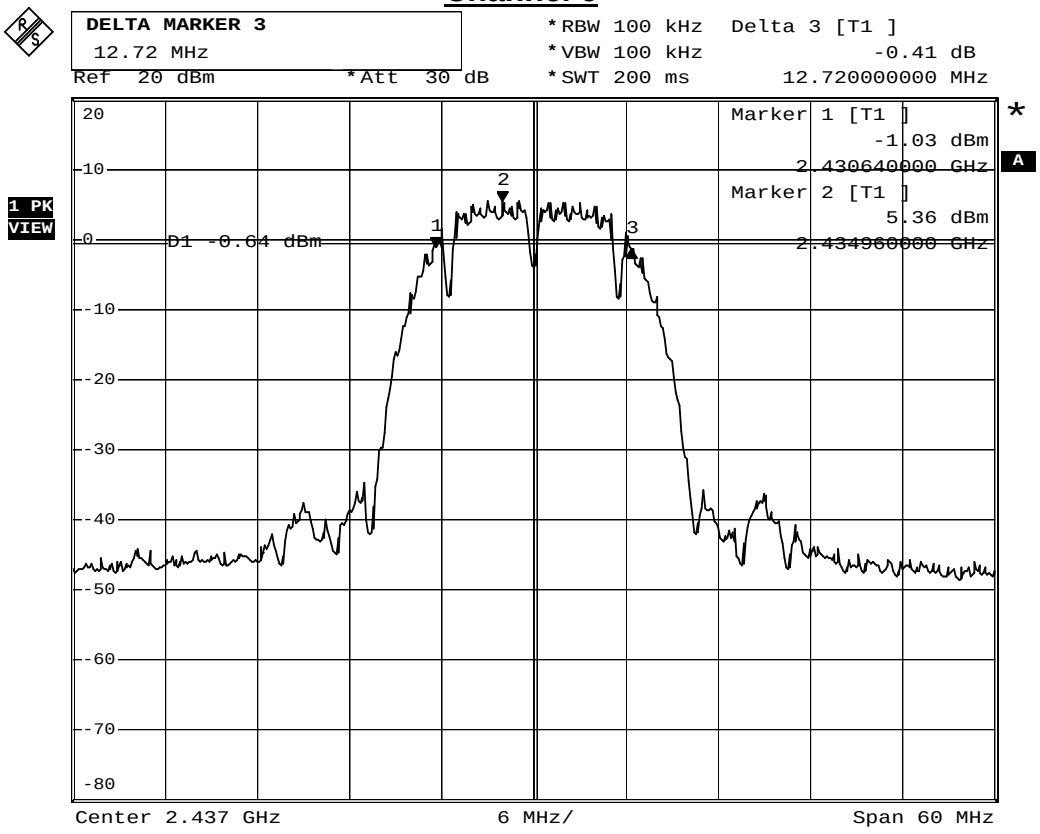
Product	Dual-band Wireless-N Ethernet Adapter		
Test Item	Occupied Bandwidth		
Test Mode	Mode 1: Transmit (Adapter: DVE)		
Date of Test	2011/11/30	Test Site	SR7

802.11 b				
Channel No.	Frequency (MHz)	Measurement Level (MHz)	Required Limit (MHz)	Result
1	2412.00	12.72	≧0.5	Pass
6	2437.00	12.72	≧0.5	Pass
11	2462.00	12.72	≧0.5	Pass

Channel 1

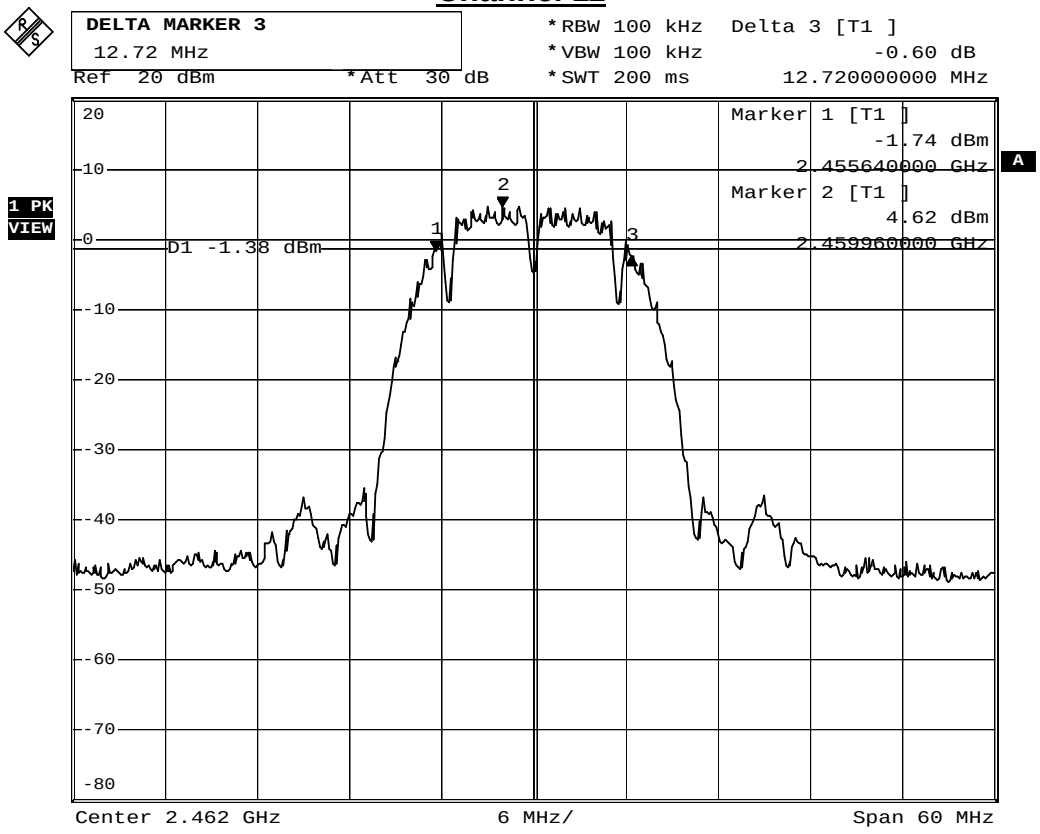


Channel 6



Date: 30.NOV.2011 11:05:24

Channel 11

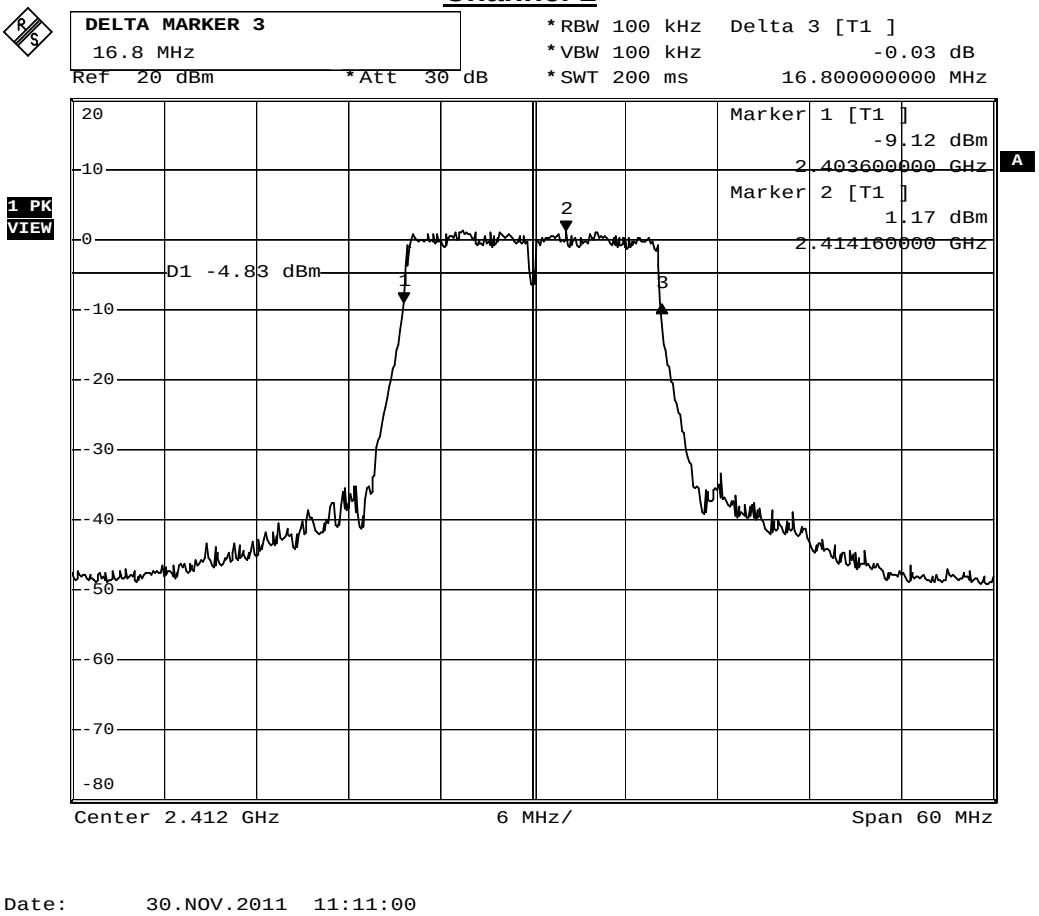


Date: 30.NOV.2011 11:07:36

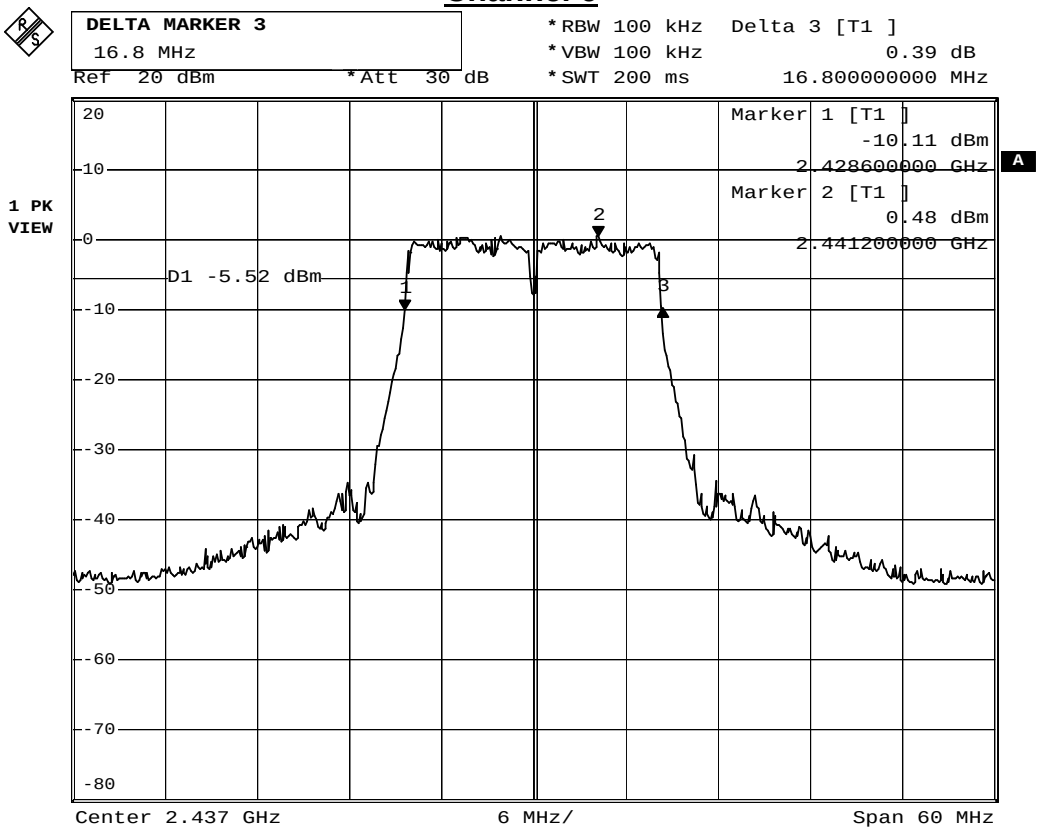
Product	Dual-band Wireless-N Ethernet Adapter		
Test Item	Occupied Bandwidth		
Test Mode	Mode 1: Transmit (Adapter: DVE)		
Date of Test	2011/11/30	Test Site	SR7

IEEE 802.11g				
Channel No.	Frequency (MHz)	Measurement Level (MHz)	Required Limit (MHz)	Result
1	2412.00	16.80	≧0.5	Pass
6	2437.00	16.80	≧0.5	Pass
11	2462.00	16.80	≧0.5	Pass

Channel 1

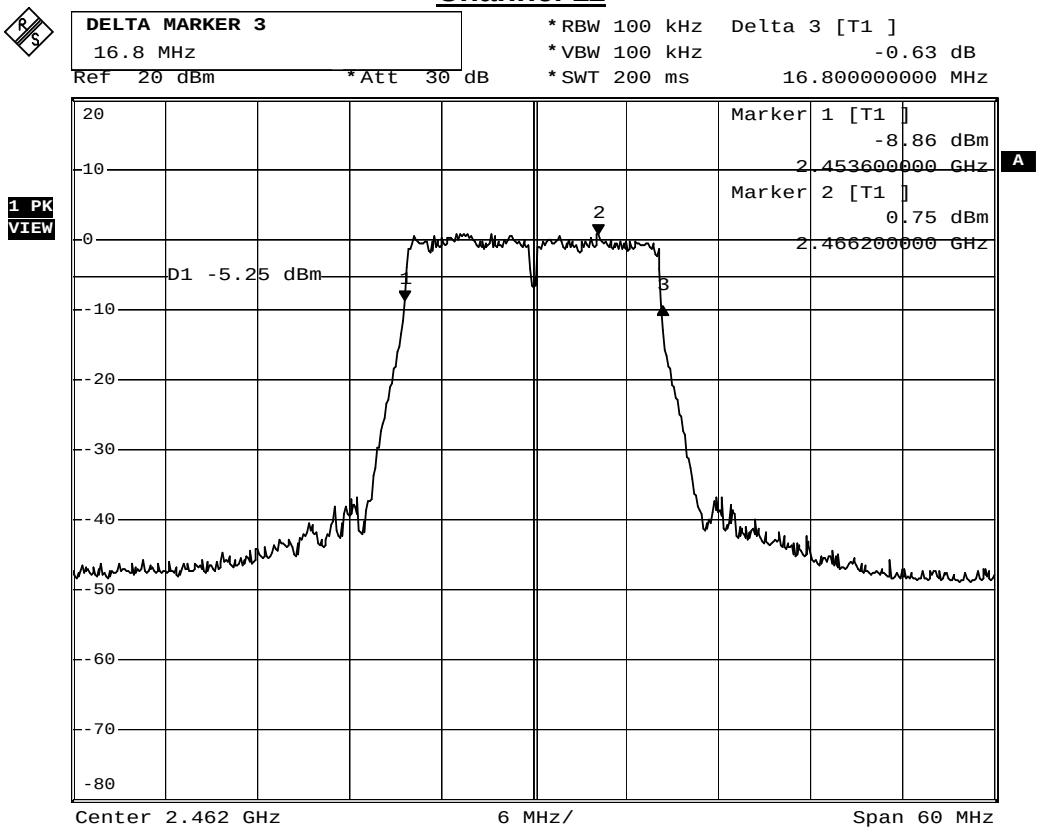


Channel 6



Date: 30.NOV.2011 11:15:47

Channel 11

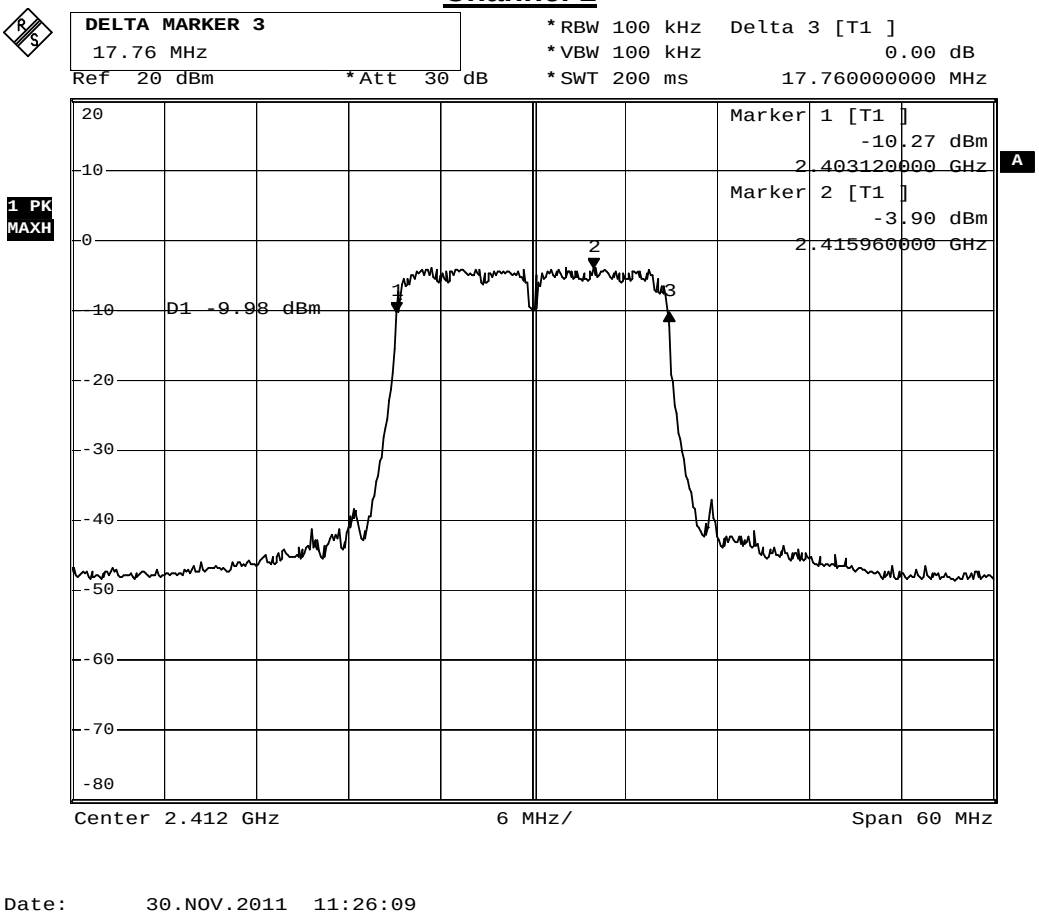


Date: 30.NOV.2011 11:18:48

Product	Dual-band Wireless-N Ethernet Adapter		
Test Item	Occupied Bandwidth		
Test Mode	Mode 1: Transmit (Adapter: DVE)		
Date of Test	2011/11/30	Test Site	SR7

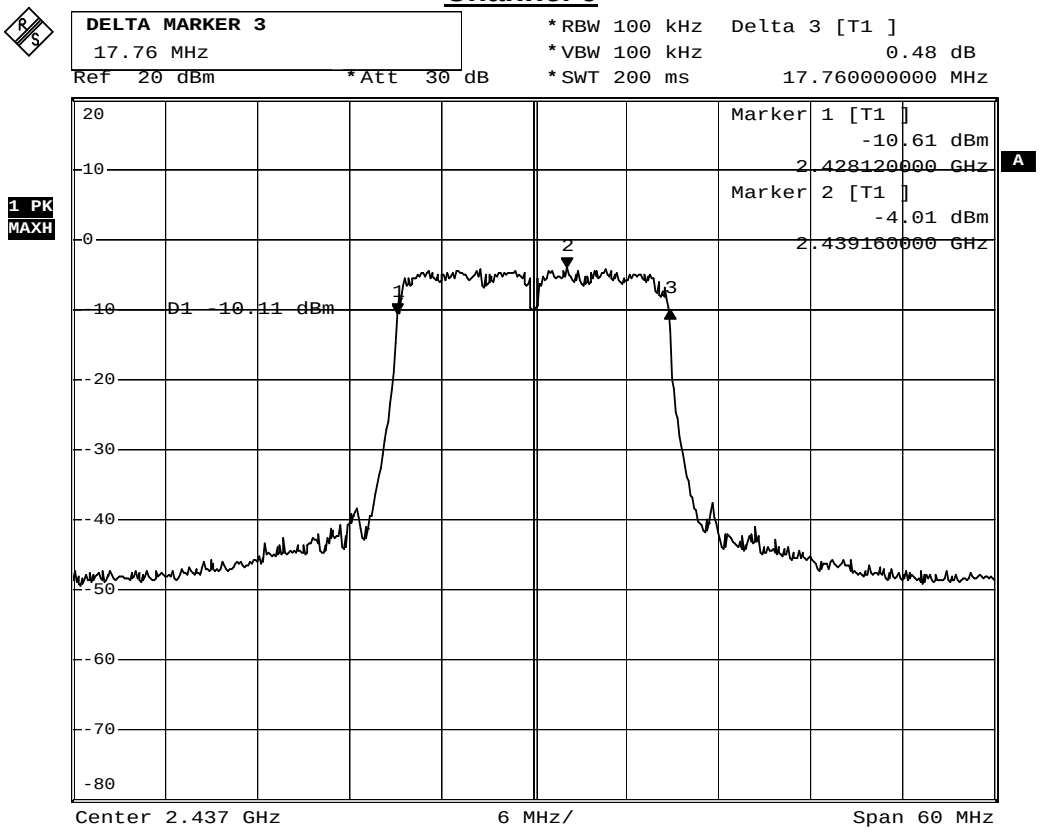
IEEE 802.11n (20MHz)(ANT 0)				
Channel No.	Frequency (MHz)	Measurement Level (MHz)	Required Limit (MHz)	Result
1	2412.00	17.76	≧0.5	Pass
6	2437.00	17.76	≧0.5	Pass
11	2462.00	18.00	≧0.5	Pass

Channel 1



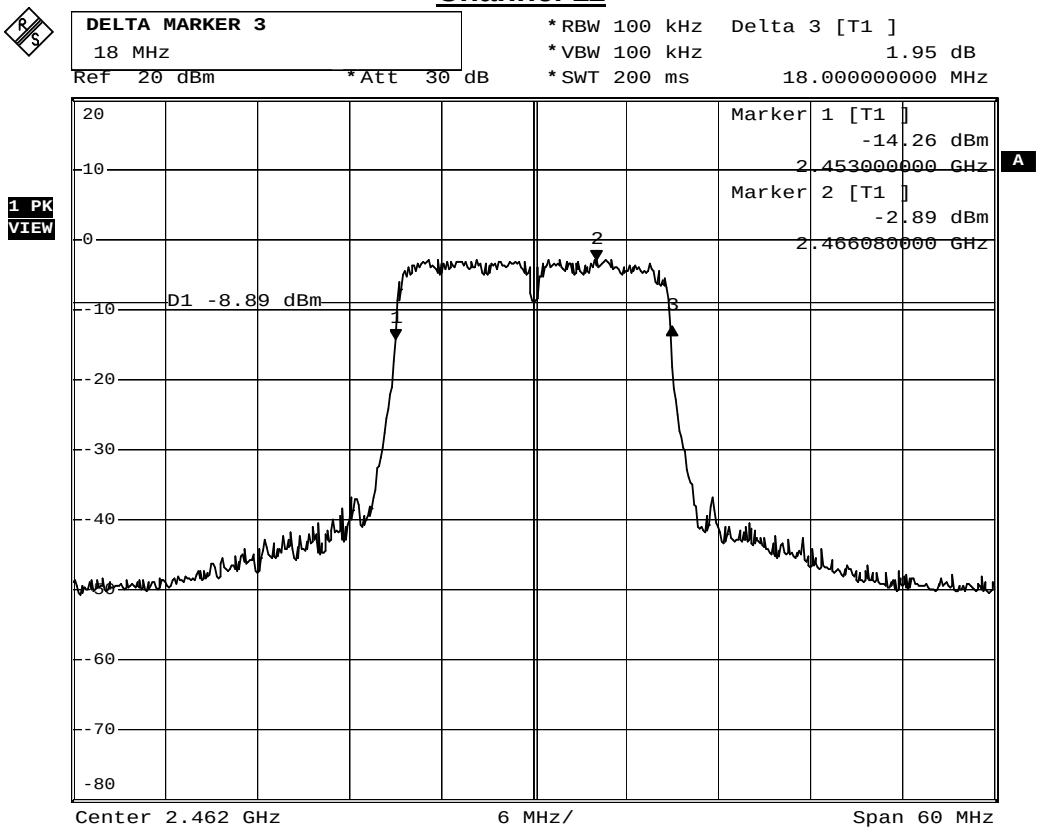
Date: 30.NOV.2011 11:26:09

Channel 6



Date: 30.NOV.2011 11:55:53

Channel 11

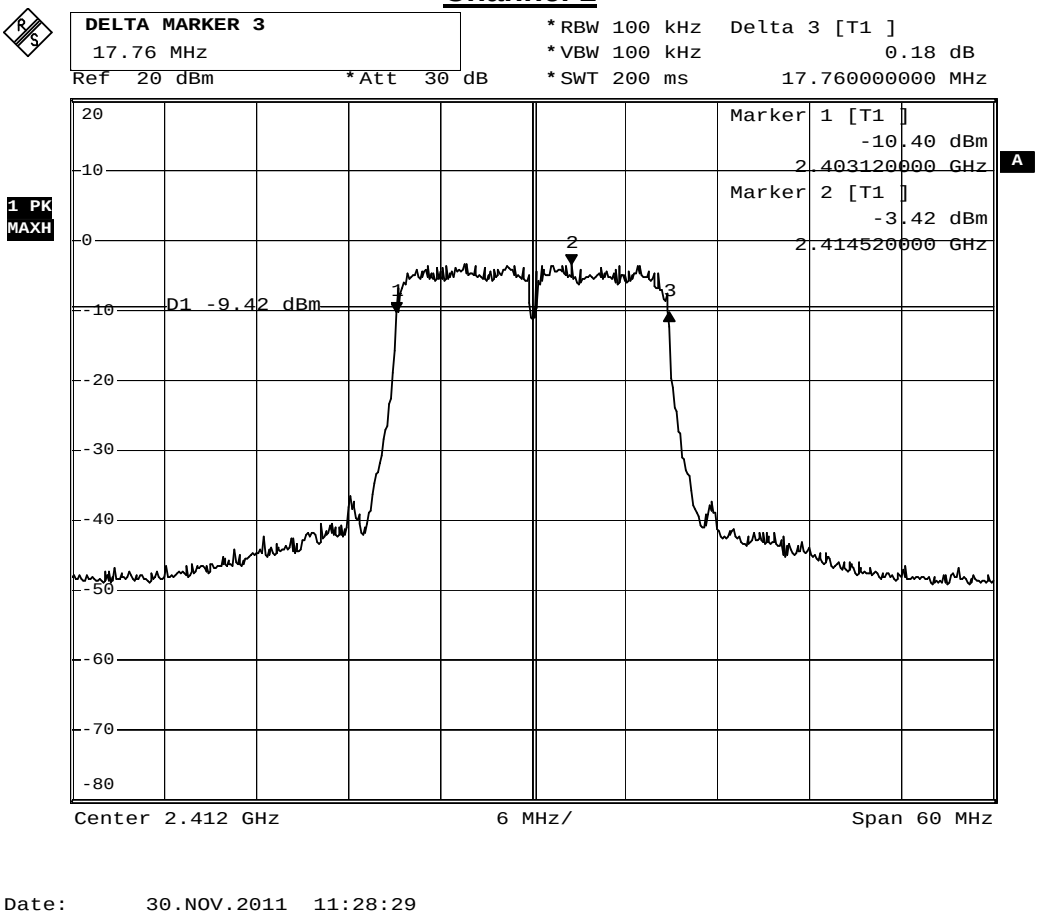


Date: 30.NOV.2011 13:10:41

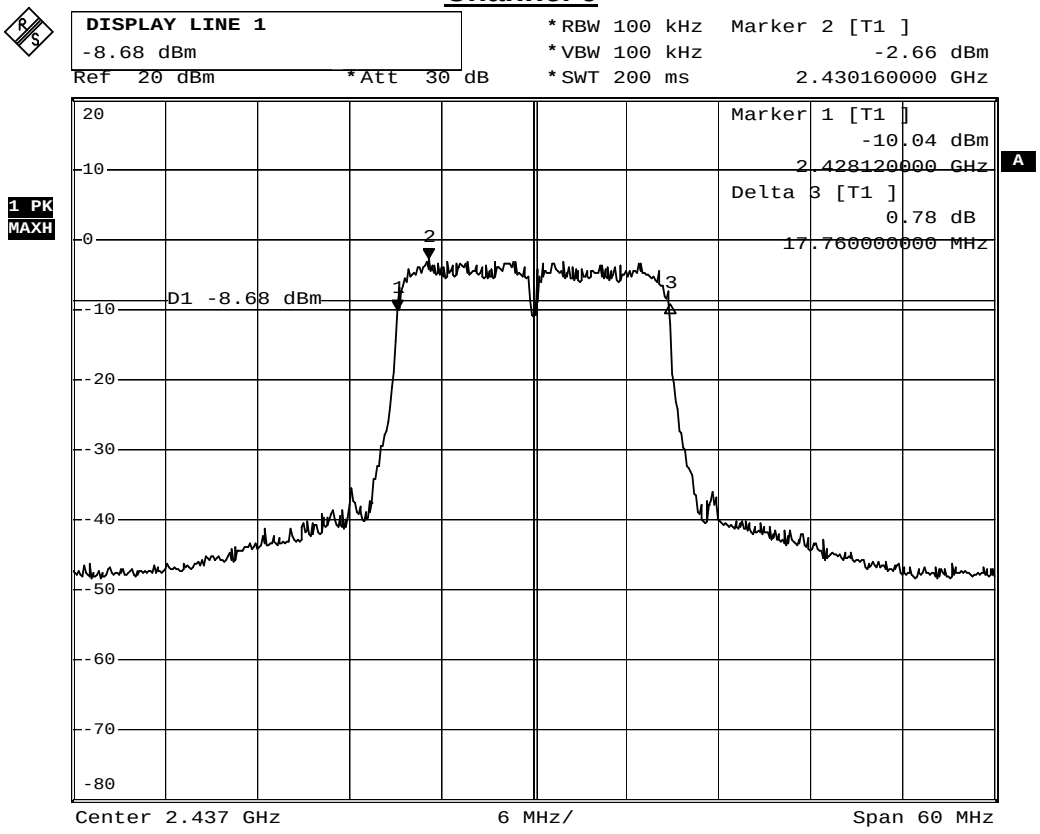
Product	Dual-band Wireless-N Ethernet Adapter		
Test Item	Occupied Bandwidth		
Test Mode	Mode 1: Transmit (Adapter: DVE)		
Date of Test	2011/11/30	Test Site	SR7

IEEE 802.11n (20MHz)(ANT 1)				
Channel No.	Frequency (MHz)	Measurement Level (MHz)	Required Limit (MHz)	Result
1	2412.00	17.76	≧0.5	Pass
6	2437.00	17.76	≧0.5	Pass
11	2462.00	17.76	≧0.5	Pass

Channel 1

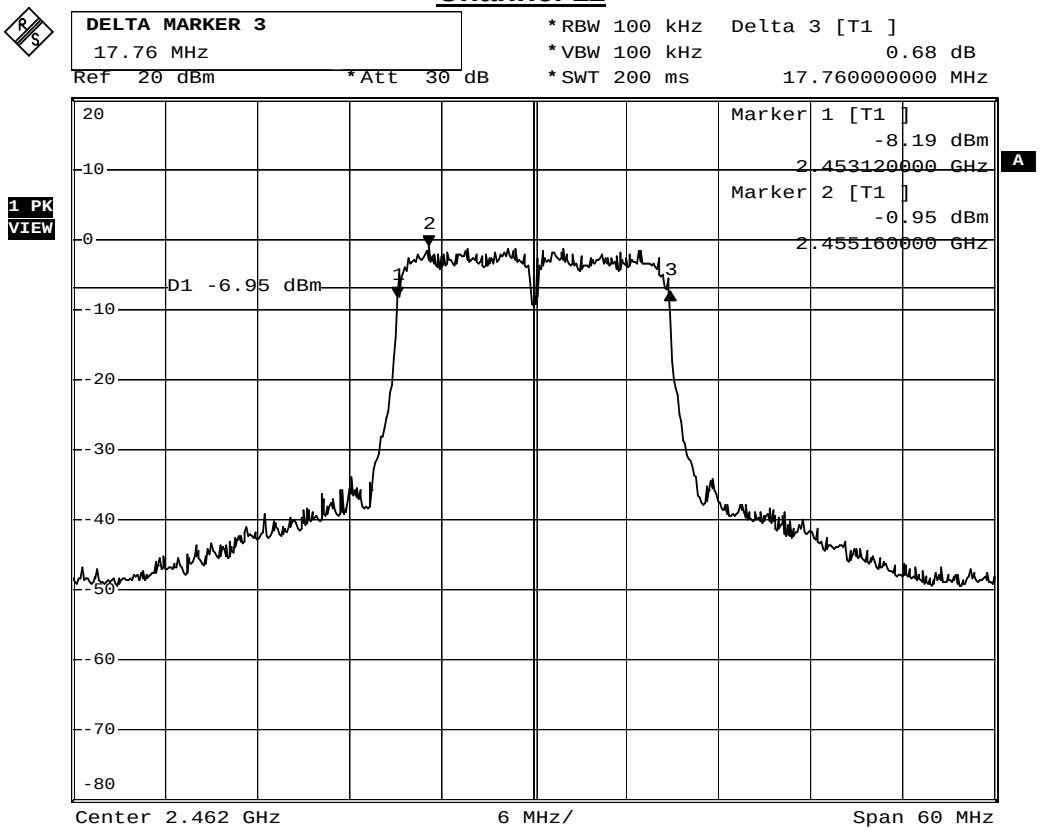


Channel 6



Date: 30.NOV.2011 12:00:51

Channel 11

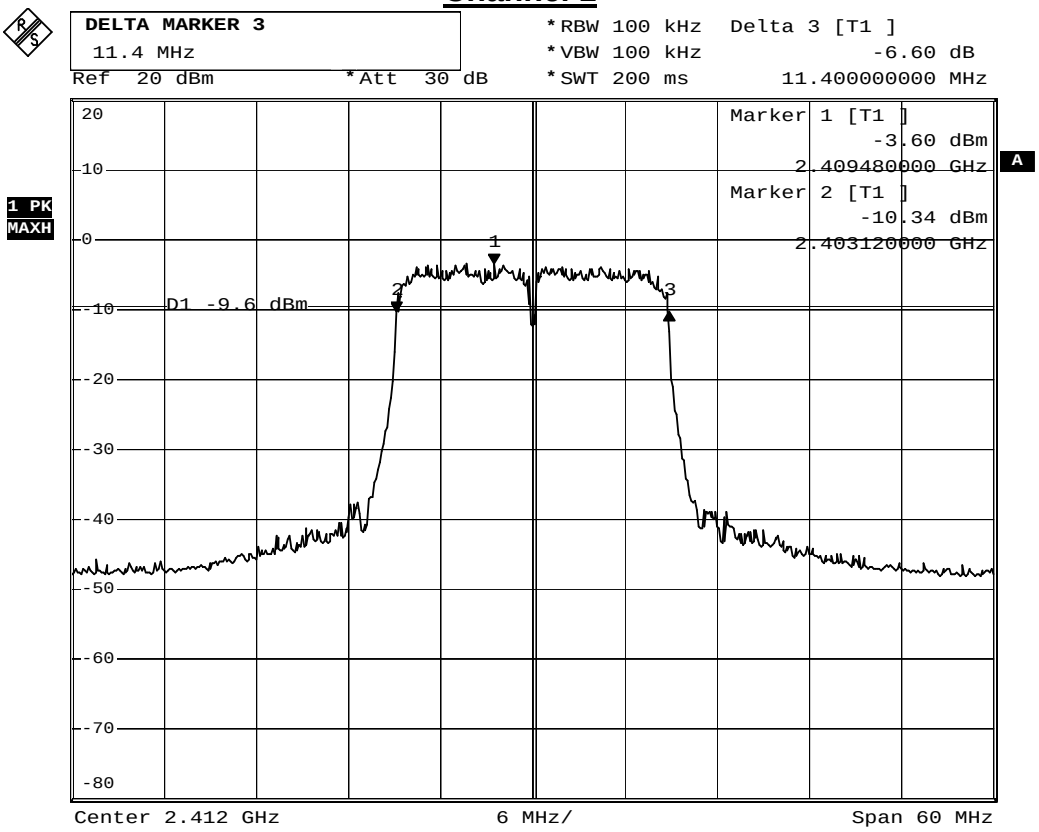


Date: 30.NOV.2011 13:09:46

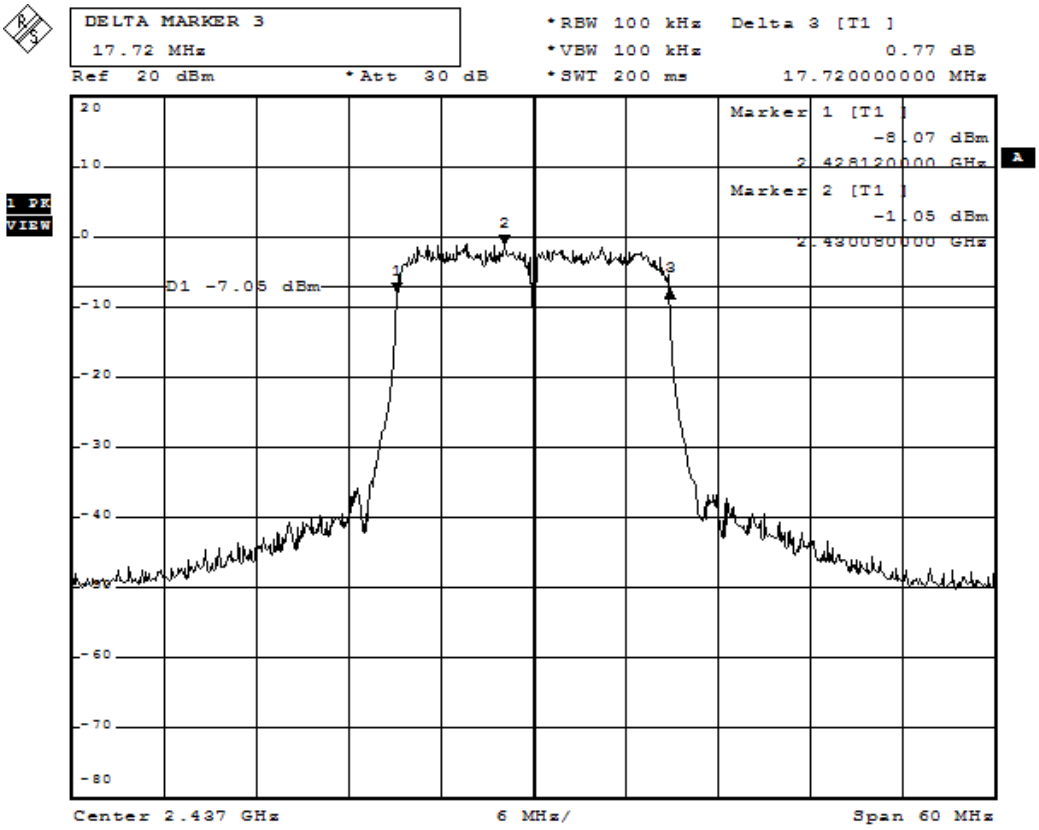
Product	Dual-band Wireless-N Ethernet Adapter		
Test Item	Occupied Bandwidth		
Test Mode	Mode 1: Transmit (Adapter: DVE)		
Date of Test	2011/11/30	Test Site	SR7

IEEE 802.11n (20MHz)(ANT 2)				
Channel No.	Frequency (MHz)	Measurement Level (MHz)	Required Limit (MHz)	Result
1	2412.00	17.76	≧0.5	Pass
6	2437.00	17.72	≧0.5	Pass
11	2462.00	17.72	≧0.5	Pass

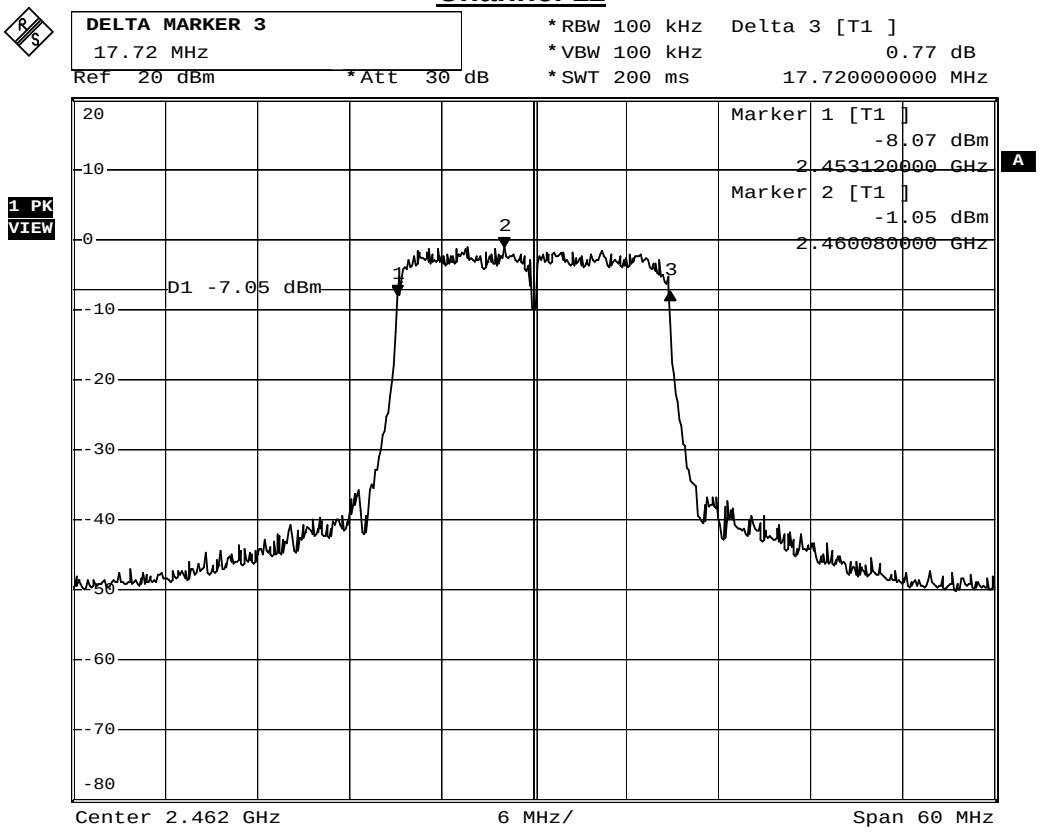
Channel 1



Channel 6


DELTA MARKER 3
17.72 MHz
*RBW 100 kHz
*VBW 100 kHz
*SWT 200 ms
Delta 3 [T1]
0.77 dB
17.720000000 MHz
Ref 20 dBm
*Att 30 dB
Marker 1 [T1]
-8.07 dBm
2.428120000 GHz
Marker 2 [T1]
-1.05 dBm
2.430080000 GHz
1 PK
VIEW
A
D1 -7.05 dBm
20
10
0
-10
-20
-30
-40
-60
-70
-80
Center 2.437 GHz
6 MHz/
Span 60 MHz
Date: 30.NOV.2011 13:05:22

Channel 11

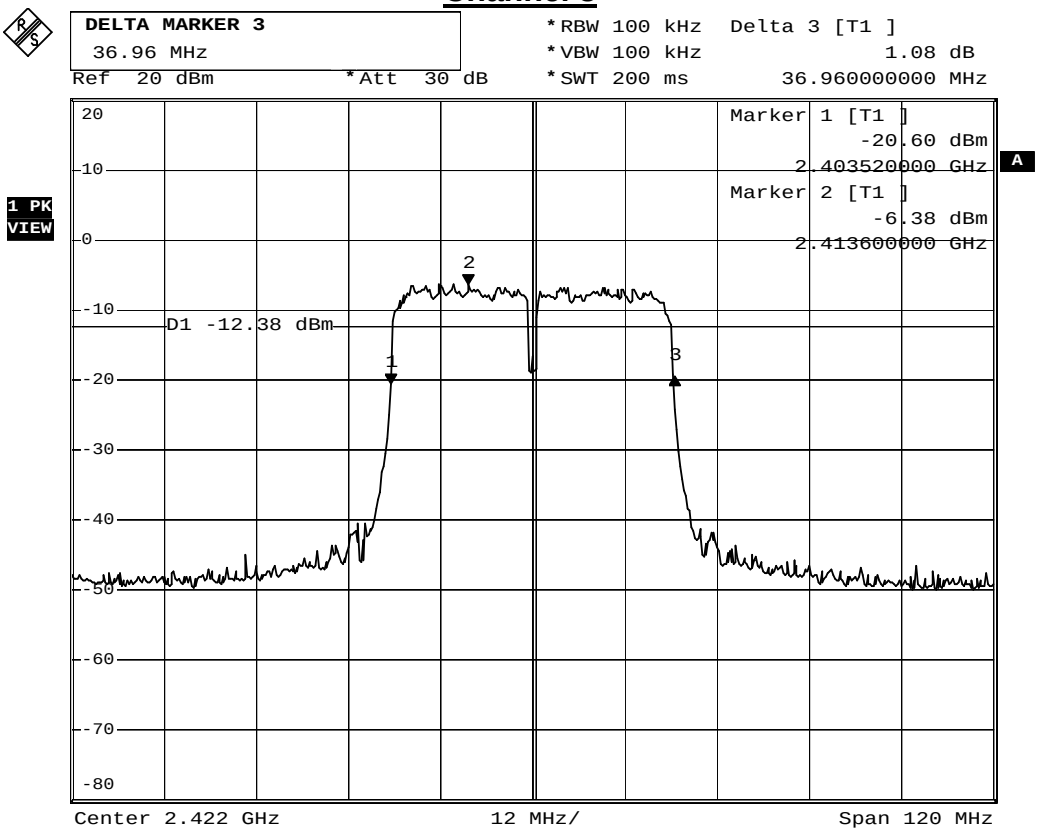


Date: 30.NOV.2011 13:05:22

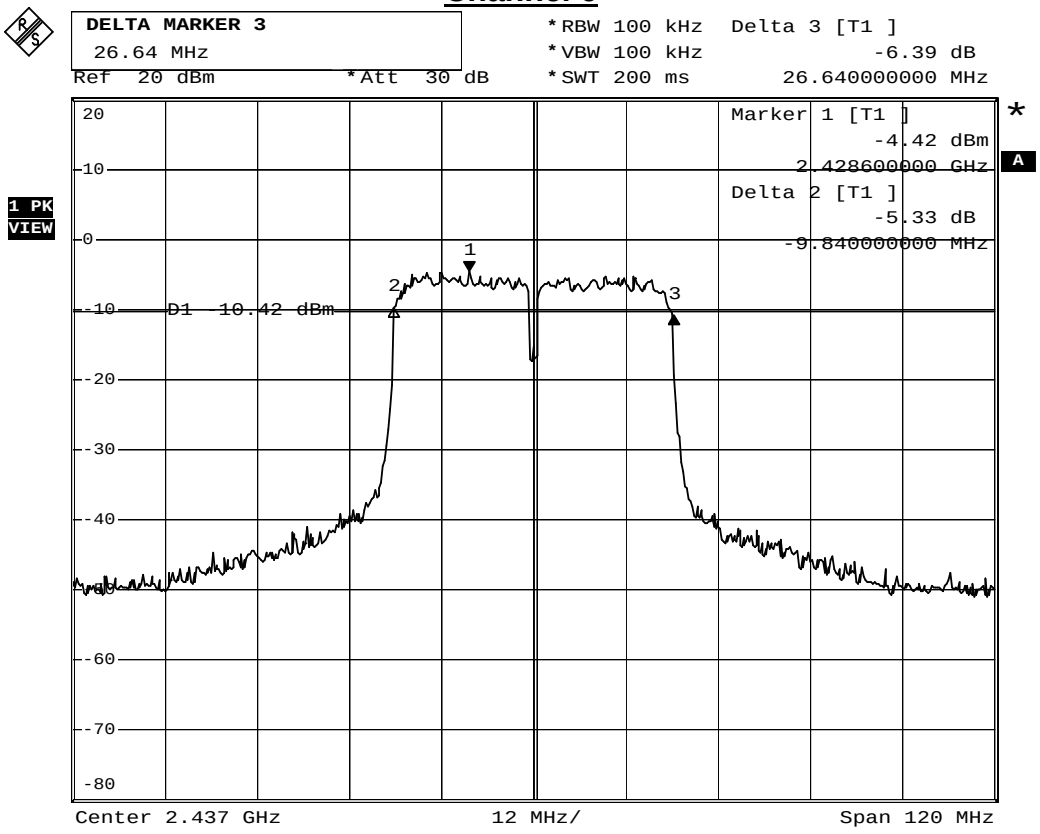
Product	Dual-band Wireless-N Ethernet Adapter		
Test Item	Occupied Bandwidth		
Test Mode	Mode 1: Transmit (Adapter: DVE)		
Date of Test	2011/11/30	Test Site	SR7

IEEE 802.11n (40MHz)(ANT 0)				
Channel No.	Frequency (MHz)	Measurement Level (MHz)	Required Limit (MHz)	Result
3	2422	36.96	≧0.5	Pass
6	2437	36.48	≧0.5	Pass
9	2452	36.72	≧0.5	Pass

Channel 3

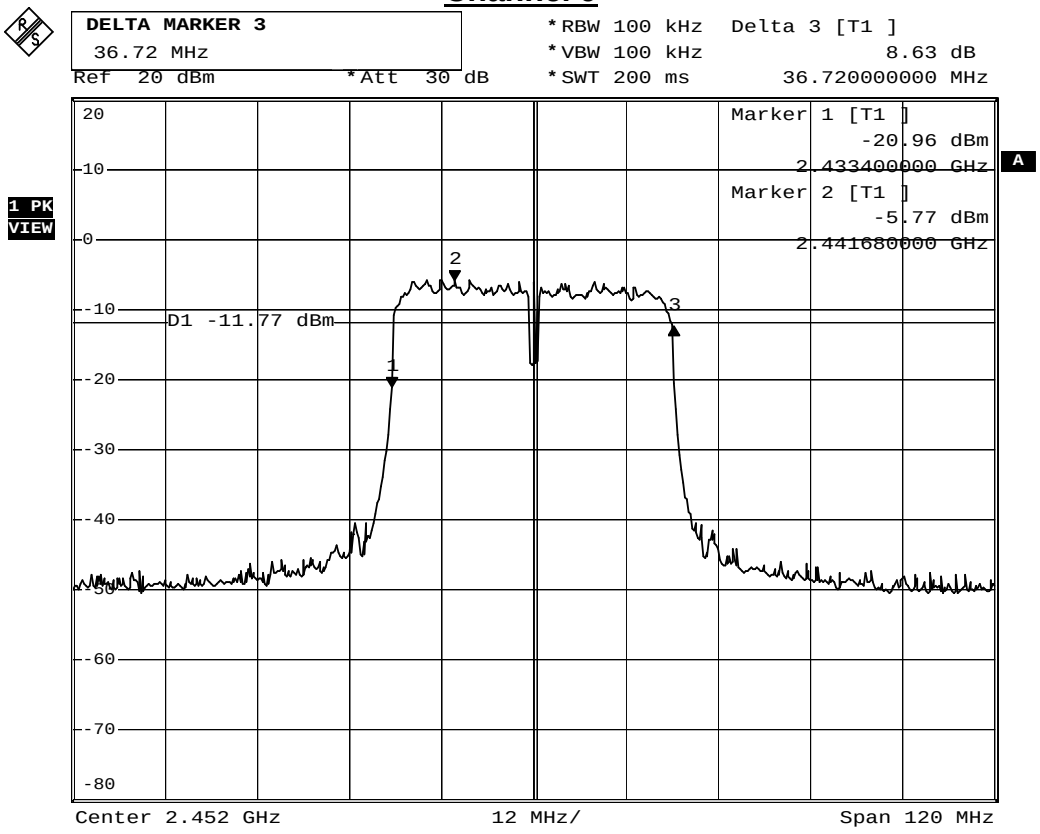


Channel 6



Date: 30.NOV.2011 13:36:14

Channel 9

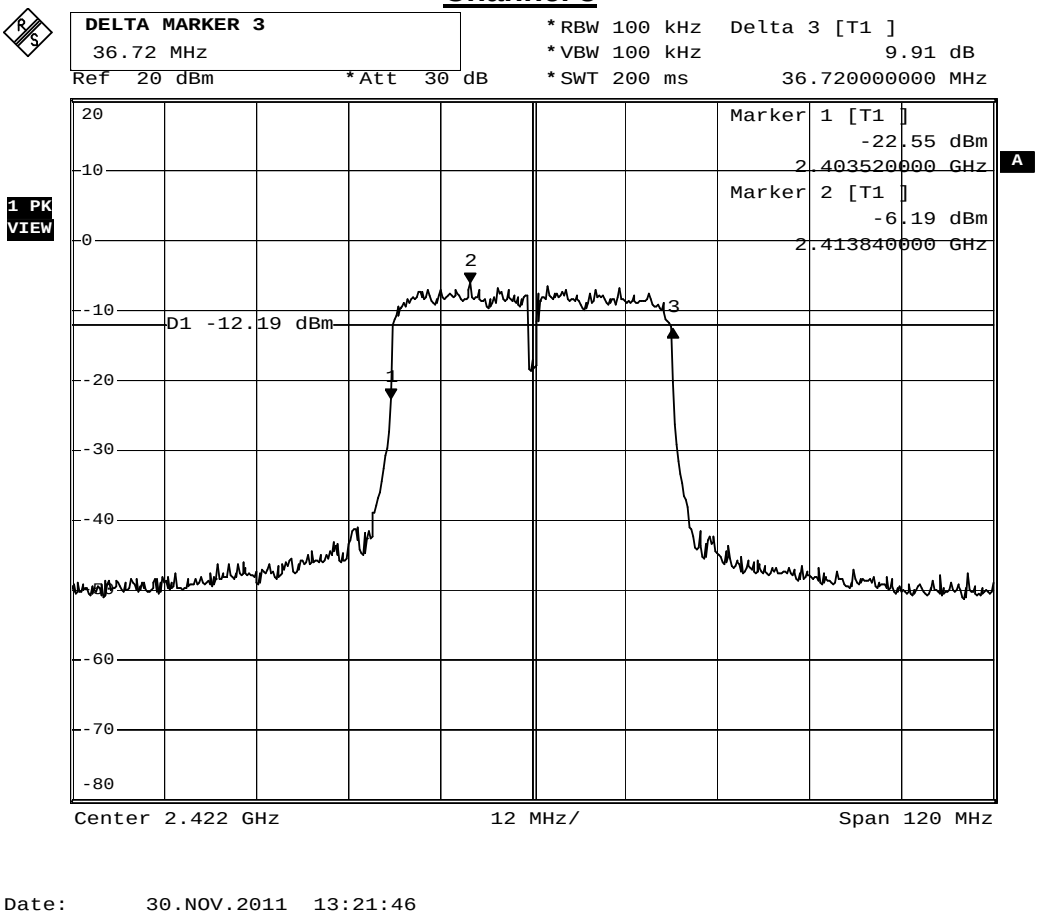


Date: 30.NOV.2011 13:38:11

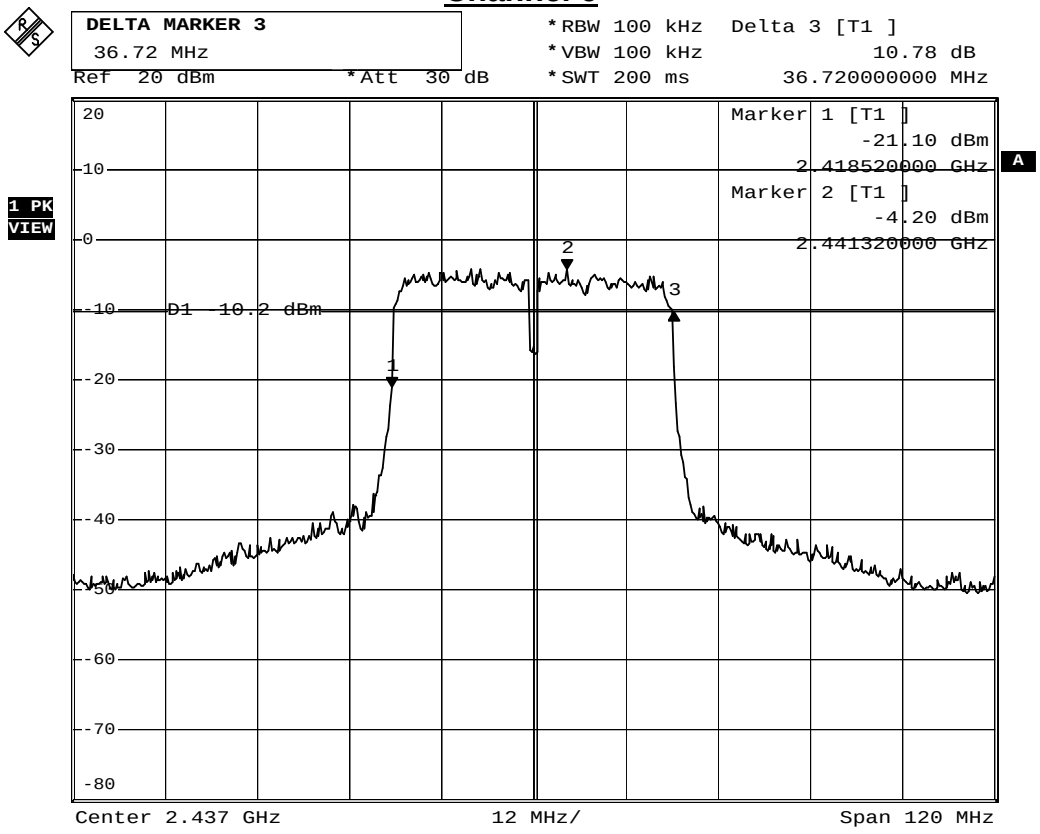
Product	Dual-band Wireless-N Ethernet Adapter		
Test Item	Occupied Bandwidth		
Test Mode	Mode 1: Transmit (Adapter: DVE)		
Date of Test	2011/11/30	Test Site	SR7

IEEE 802.11n (40MHz)(ANT 1)				
Channel No.	Frequency (MHz)	Measurement Level (MHz)	Required Limit (MHz)	Result
3	2422	36.72	≧0.5	Pass
6	2437	36.72	≧0.5	Pass
9	2452	36.48	≧0.5	Pass

Channel 3

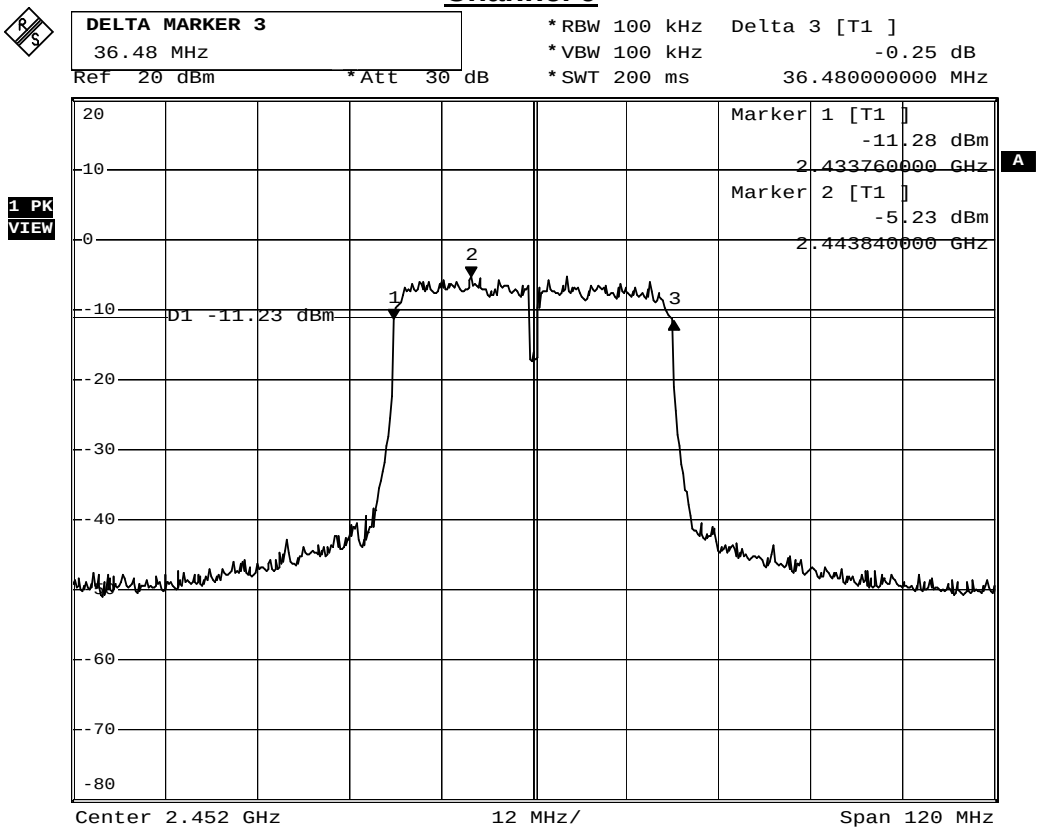


Channel 6



Date: 30.NOV.2011 13:31:38

Channel 9

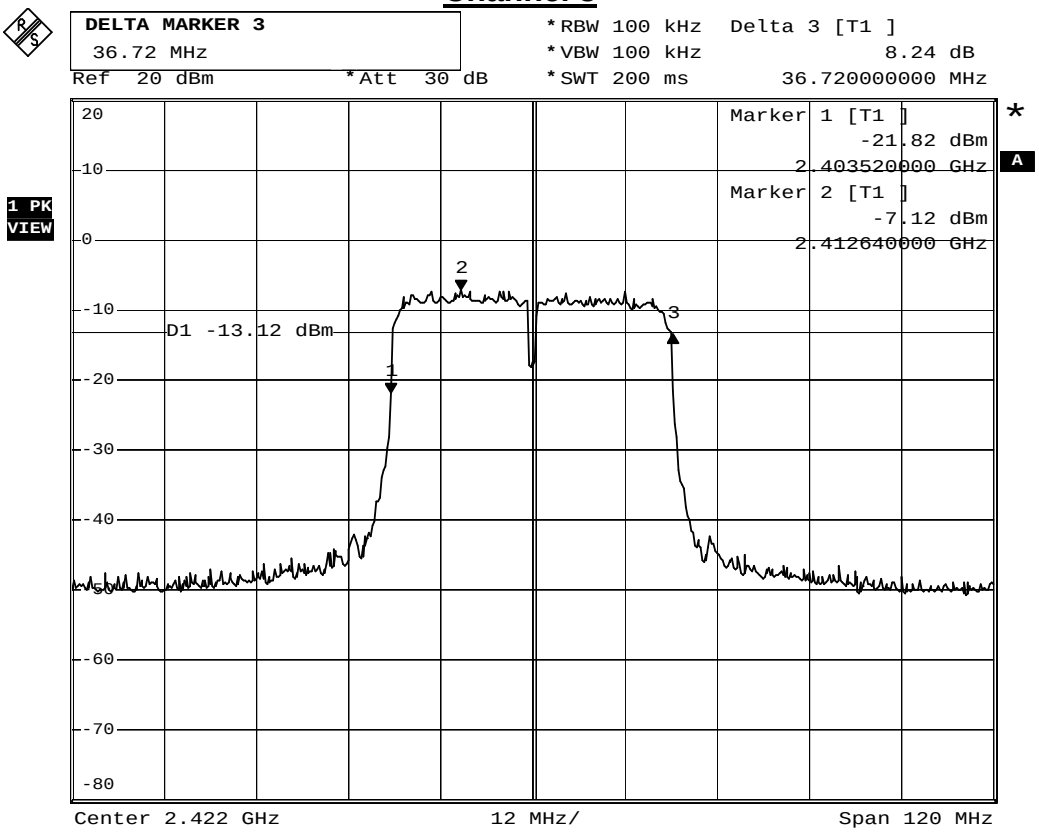


Date: 30.NOV.2011 13:40:30

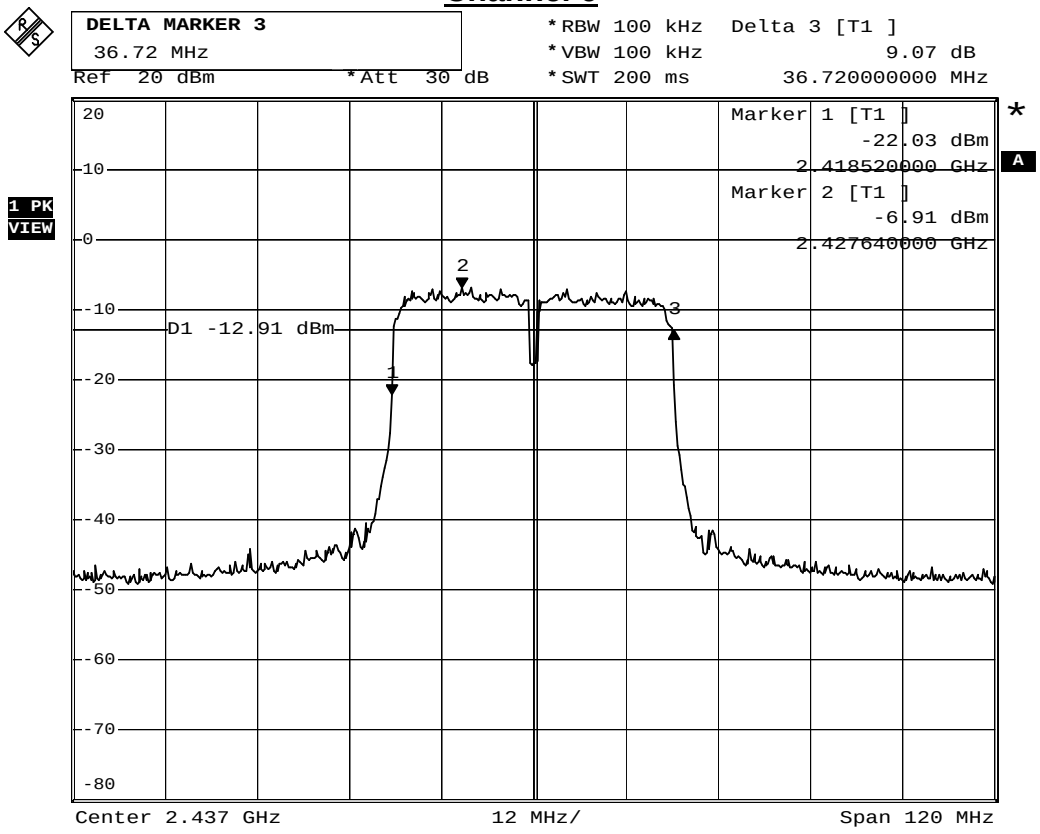
Product	Dual-band Wireless-N Ethernet Adapter		
Test Item	Occupied Bandwidth		
Test Mode	Mode 1: Transmit (Adapter: DVE)		
Date of Test	2011/11/30	Test Site	SR7

IEEE 802.11n (40MHz)(ANT 2)				
Channel No.	Frequency (MHz)	Measurement Level (MHz)	Required Limit (MHz)	Result
3	2422	36.72	≧0.5	Pass
6	2437	36.72	≧0.5	Pass
9	2452	36.72	≧0.5	Pass

Channel 3

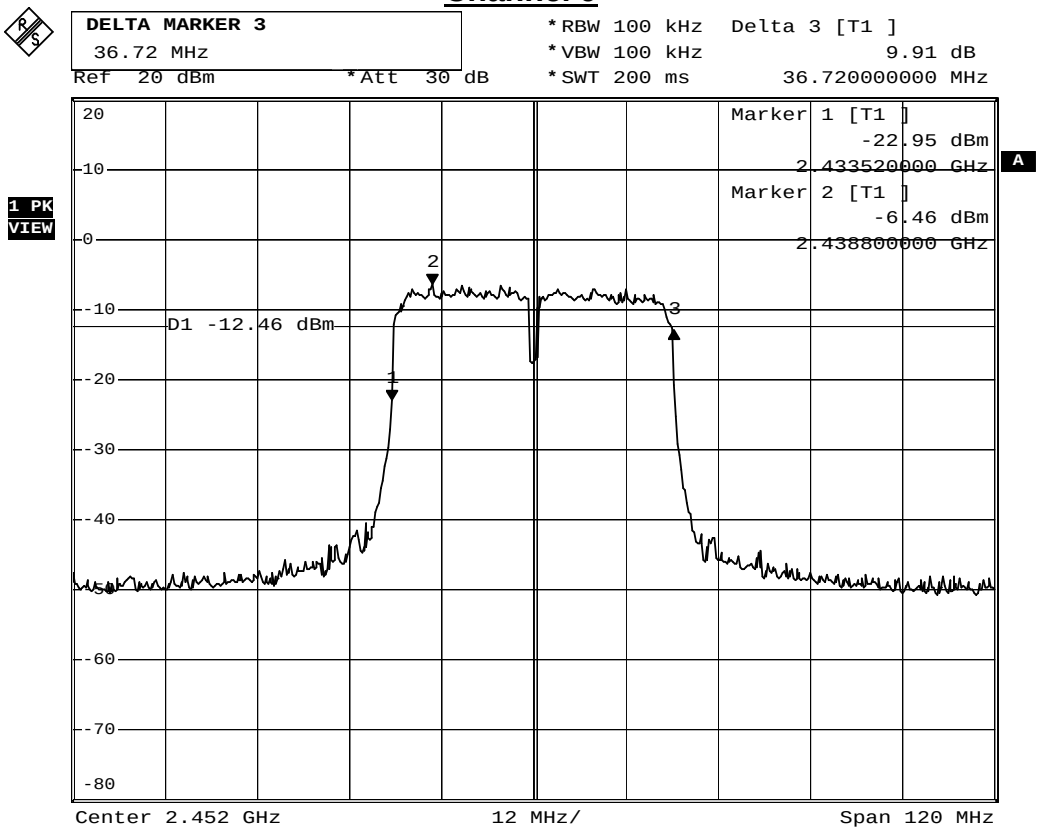


Channel 6



Date: 30.NOV.2011 13:29:05

Channel 9

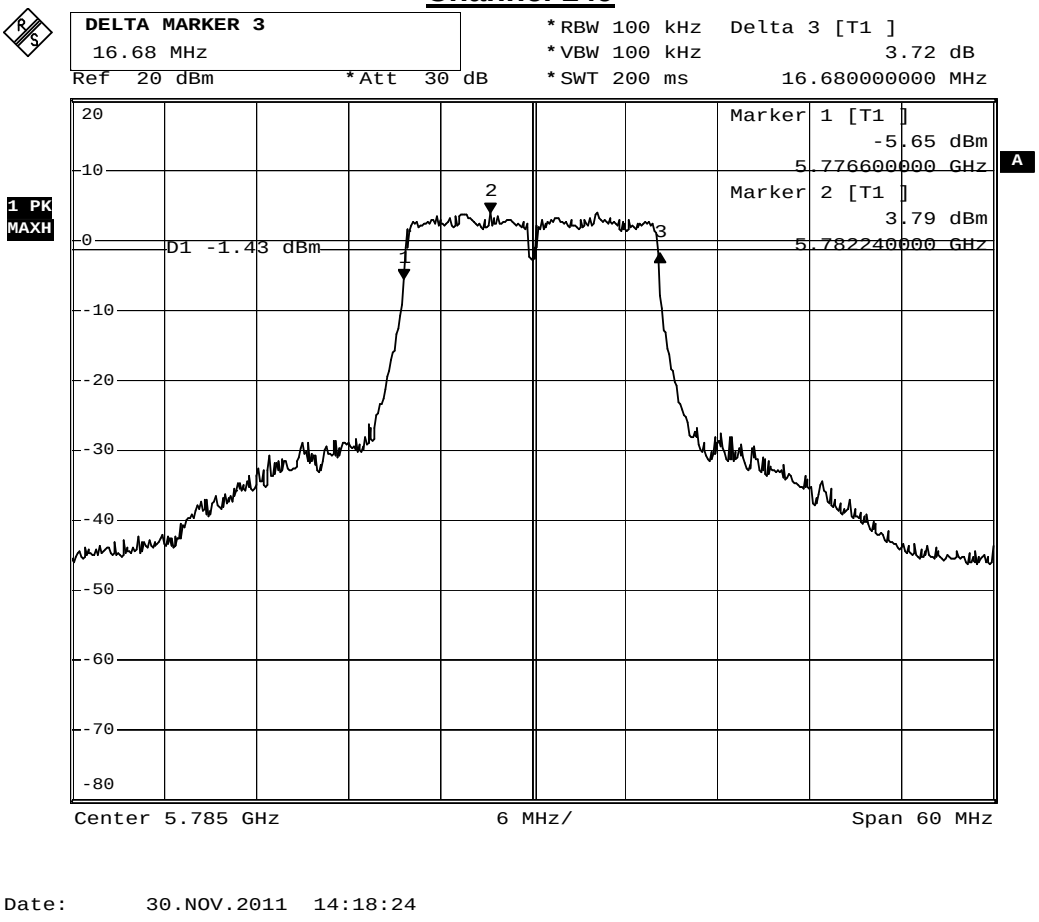


Date: 30.NOV.2011 13:41:35

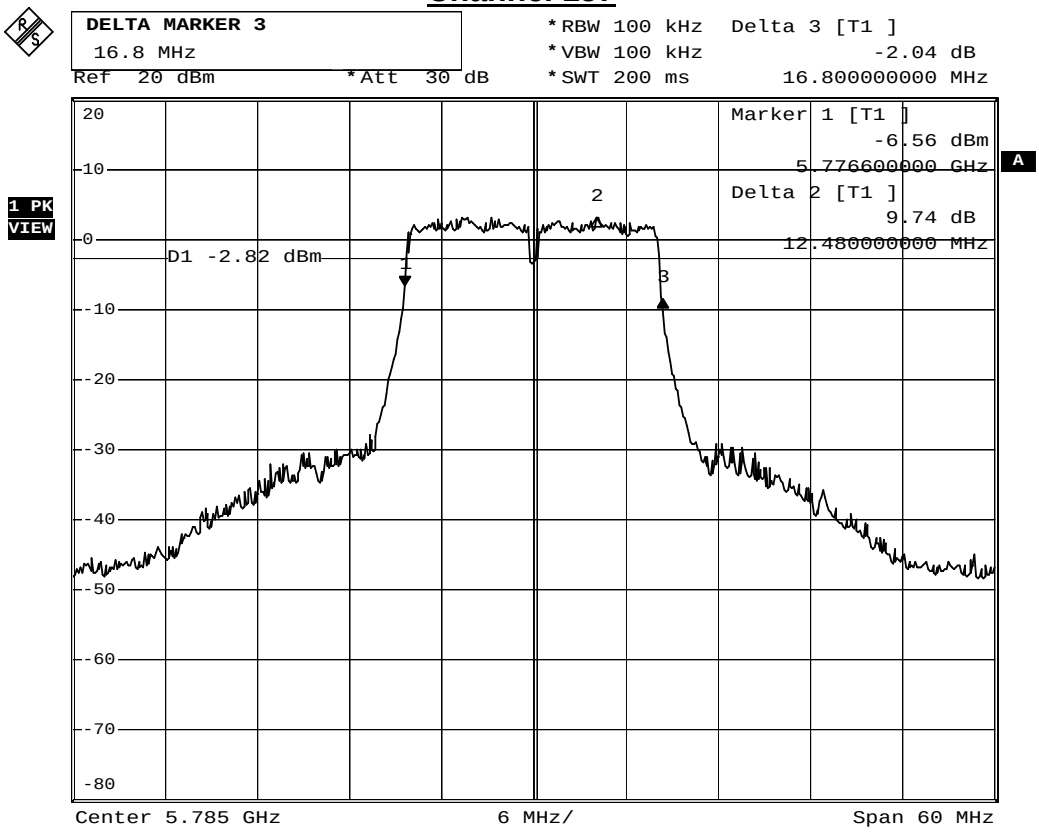
Product	Dual-band Wireless-N Ethernet Adapter		
Test Item	Occupied Bandwidth		
Test Mode	Mode 1: Transmit (Adapter: DVE)		
Date of Test	2011/11/30	Test Site	SR7

802.11 a				
Channel No.	Frequency (MHz)	Measurement Level (MHz)	Required Limit (MHz)	Result
149	5745	16.68	≧0.5	Pass
157	5785	16.80	≧0.5	Pass
165	5825	16.80	≧0.5	Pass

Channel 149

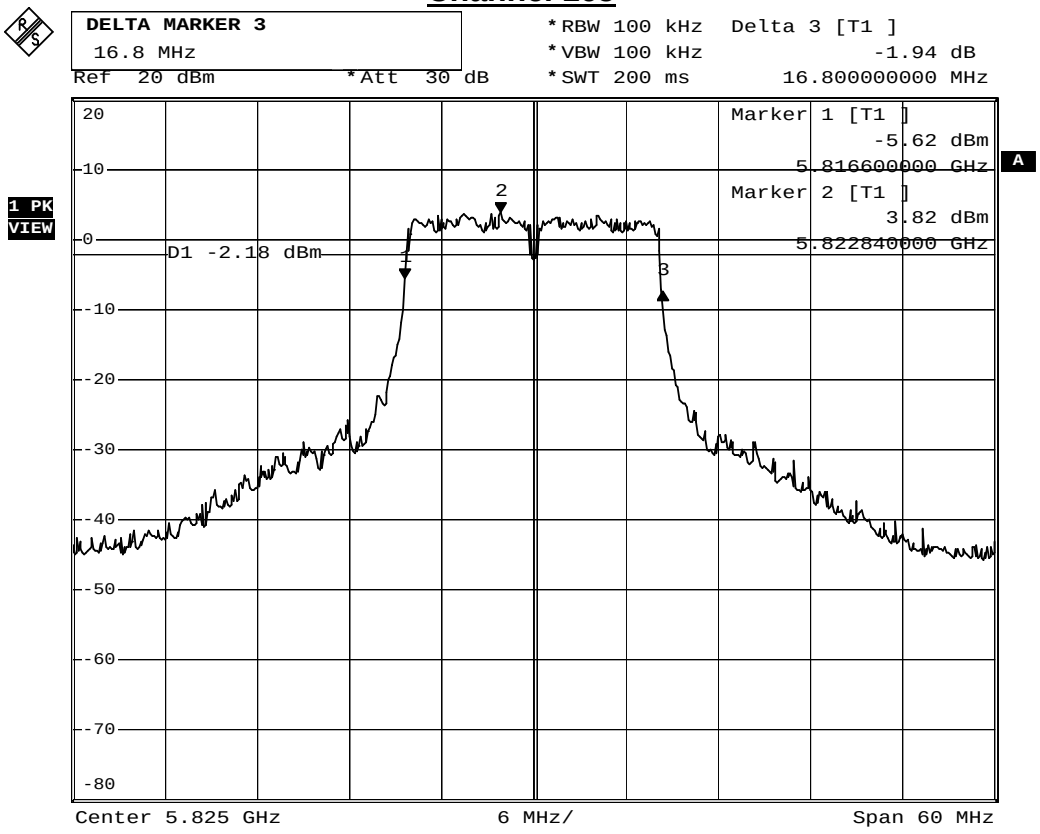


Channel 157



Date: 30.NOV.2011 14:24:17

Channel 165

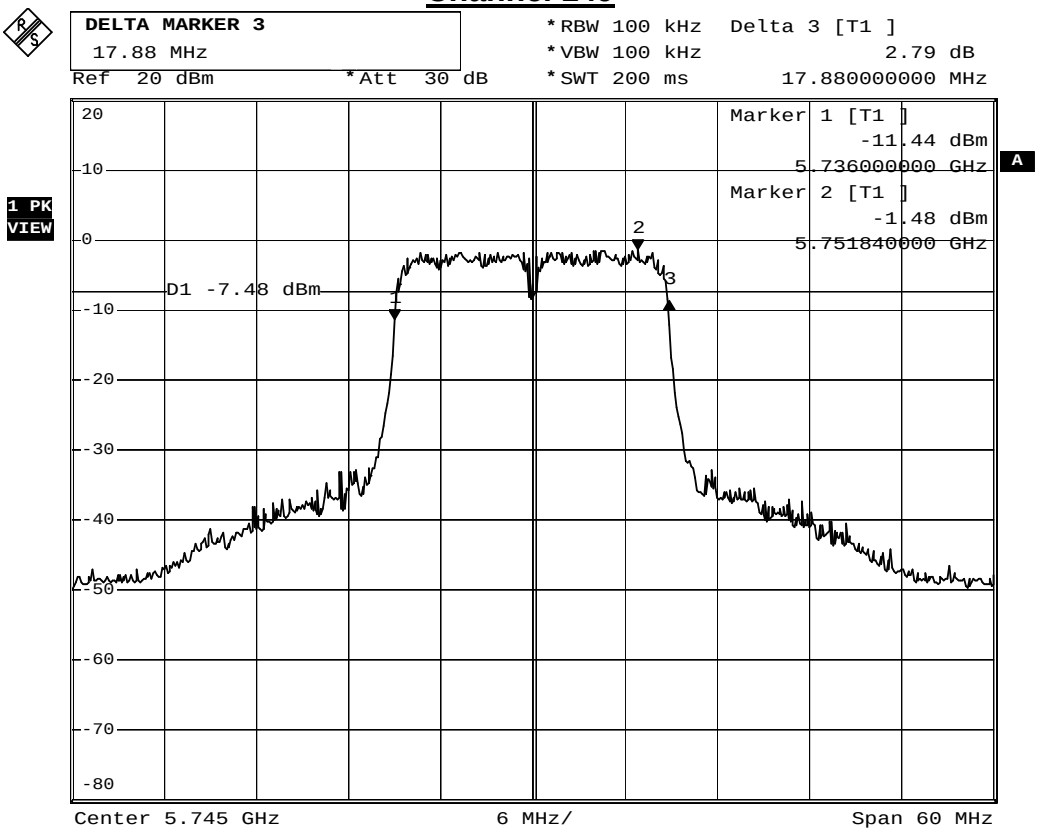


Date: 30.NOV.2011 14:33:29

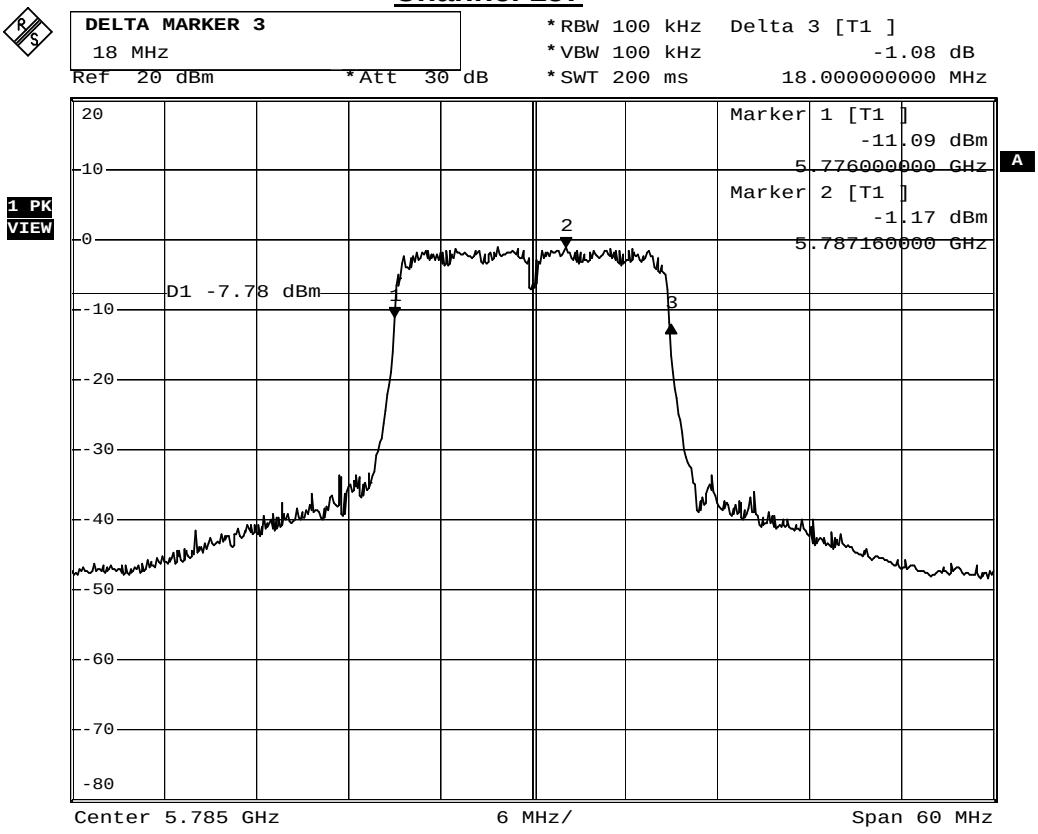
Product	Dual-band Wireless-N Ethernet Adapter		
Test Item	Occupied Bandwidth		
Test Mode	Mode 1: Transmit (Adapter: DVE)		
Date of Test	2011/11/30	Test Site	SR7

IEEE 802.11n (20MHz)(ANT 0)				
Channel No.	Frequency (MHz)	Measurement Level (MHz)	Required Limit (MHz)	Result
149	5745	17.88	≧0.5	Pass
157	5785	18.00	≧0.5	Pass
165	5825	17.76	≧0.5	Pass

Channel 149

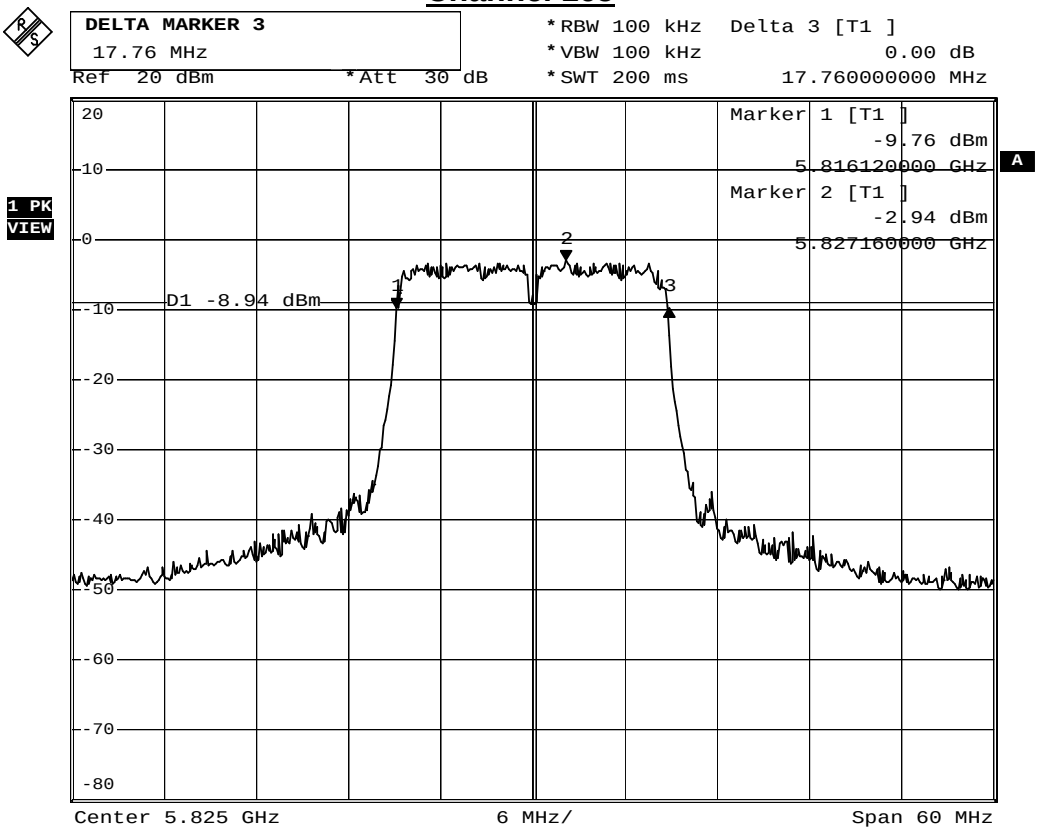


Channel 157



Date: 30.NOV.2011 14:55:30

Channel 165

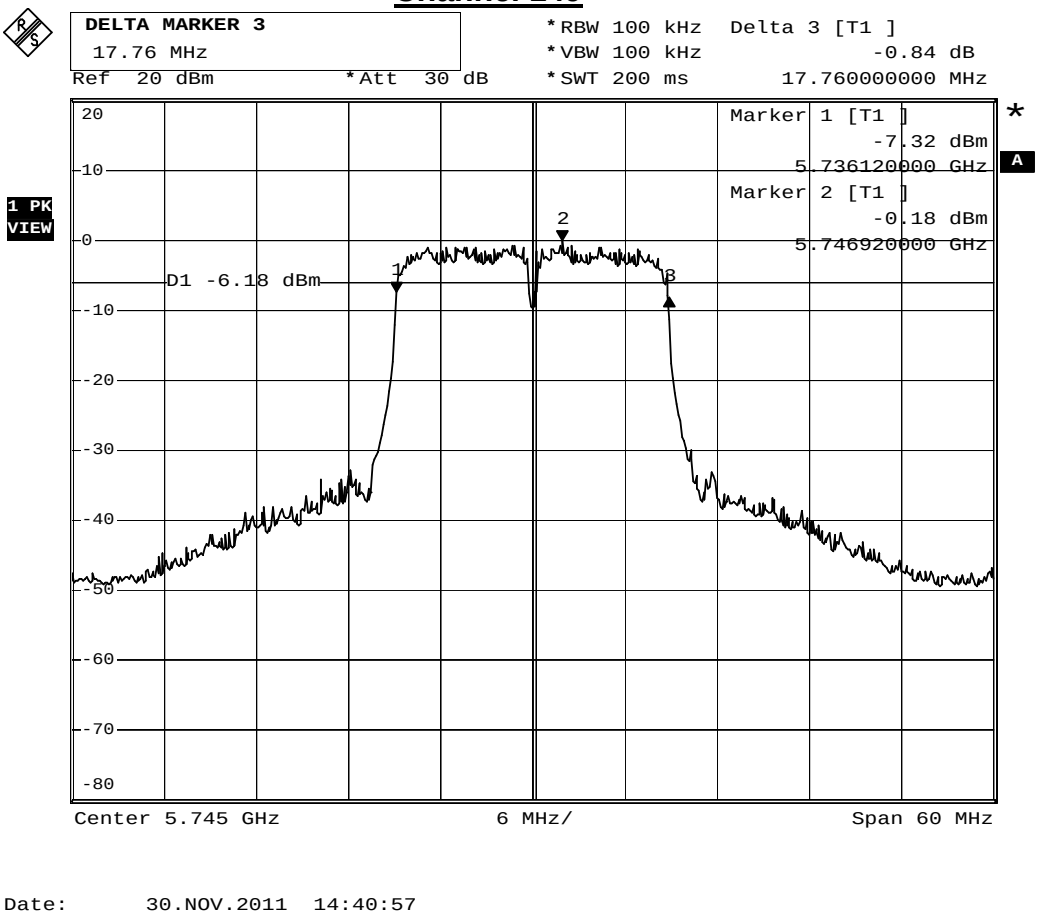


Date: 30.NOV.2011 15:00:27

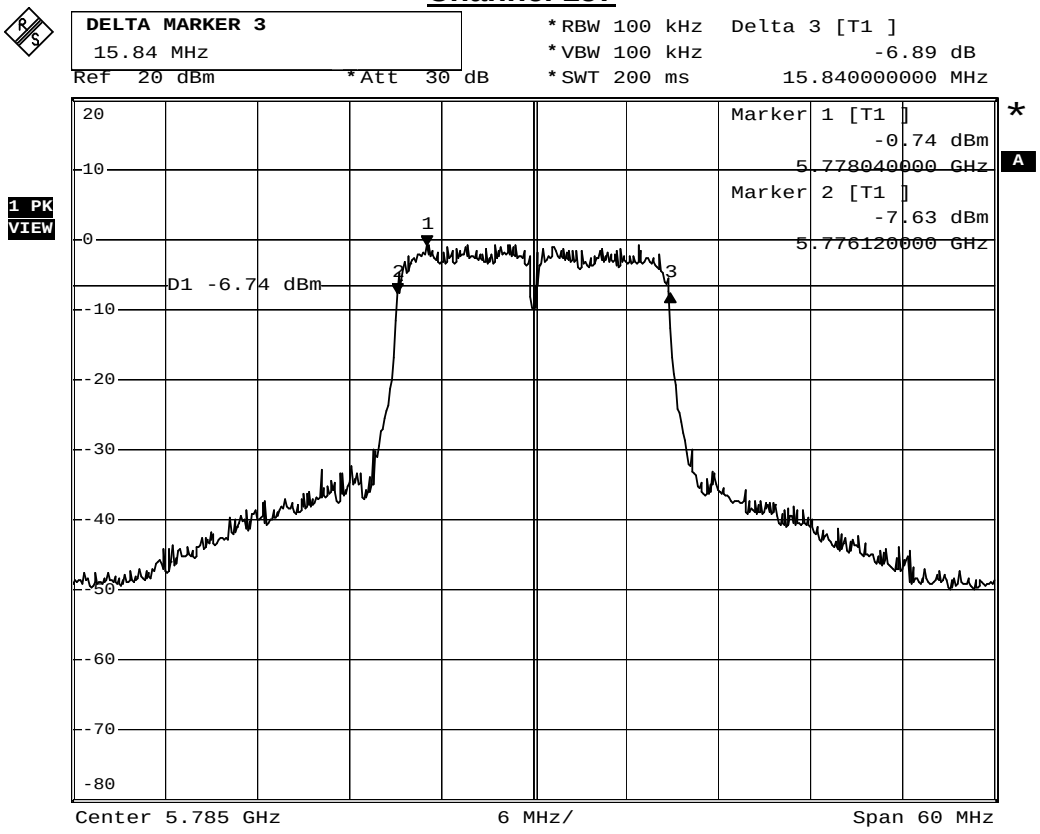
Product	Dual-band Wireless-N Ethernet Adapter		
Test Item	Occupied Bandwidth		
Test Mode	Mode 1: Transmit (Adapter: DVE)		
Date of Test	2011/11/30	Test Site	SR7

IEEE 802.11n (20MHz)(ANT 1)				
Channel No.	Frequency (MHz)	Measurement Level (MHz)	Required Limit (MHz)	Result
149	5745	17.76	≧0.5	Pass
157	5785	17.76	≧0.5	Pass
165	5825	17.76	≧0.5	Pass

Channel 149

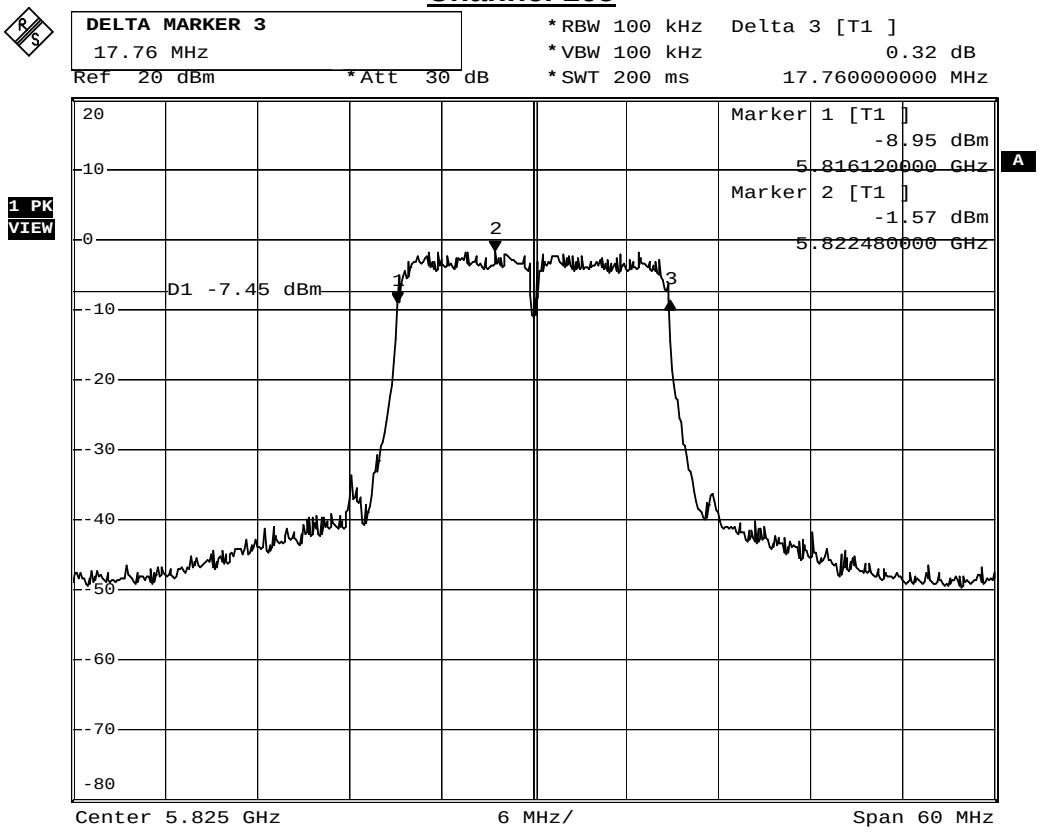


Channel 157



Date: 30.NOV.2011 14:52:32

Channel 165

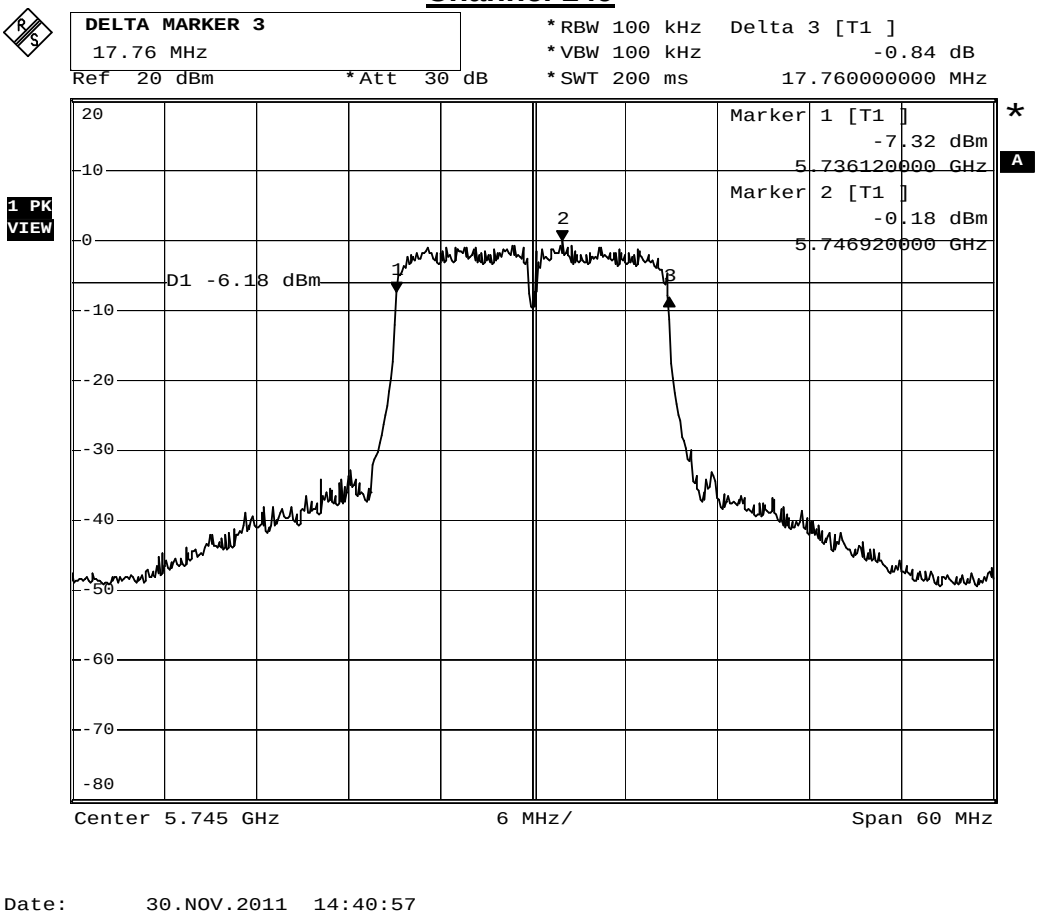


Date: 30.NOV.2011 15:01:51

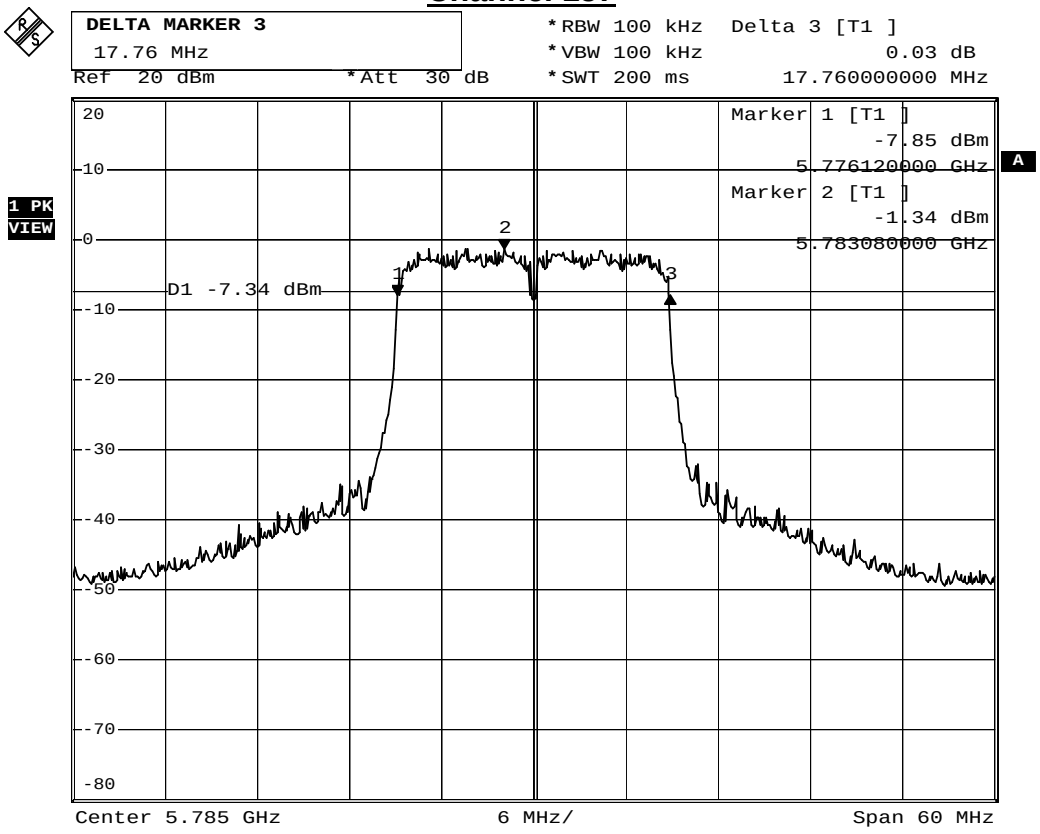
Product	Dual-band Wireless-N Ethernet Adapter		
Test Item	Occupied Bandwidth		
Test Mode	Mode 1: Transmit (Adapter: DVE)		
Date of Test	2011/11/30	Test Site	SR7

IEEE 802.11n (20MHz)(ANT 2)				
Channel No.	Frequency (MHz)	Measurement Level (MHz)	Required Limit (MHz)	Result
149	5745	17.76	≧0.5	Pass
157	5785	17.76	≧0.5	Pass
165	5825	17.76	≧0.5	Pass

Channel 149

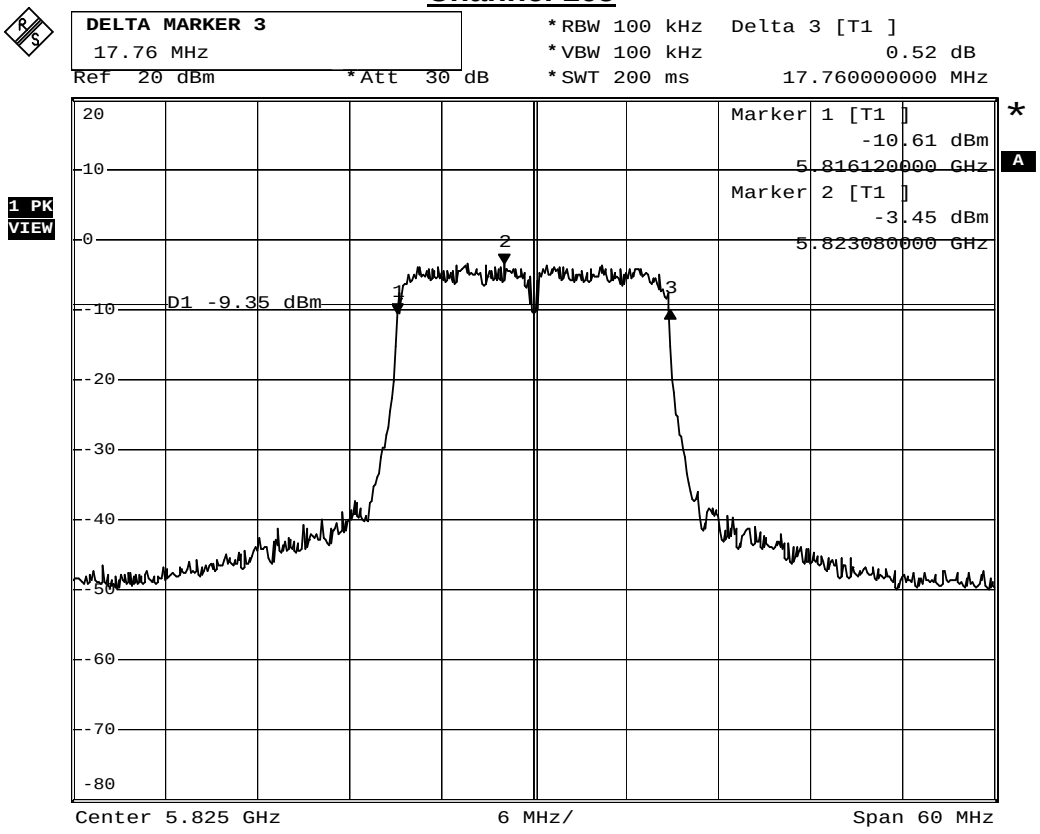


Channel 157



Date: 30.NOV.2011 14:48:28

Channel 165

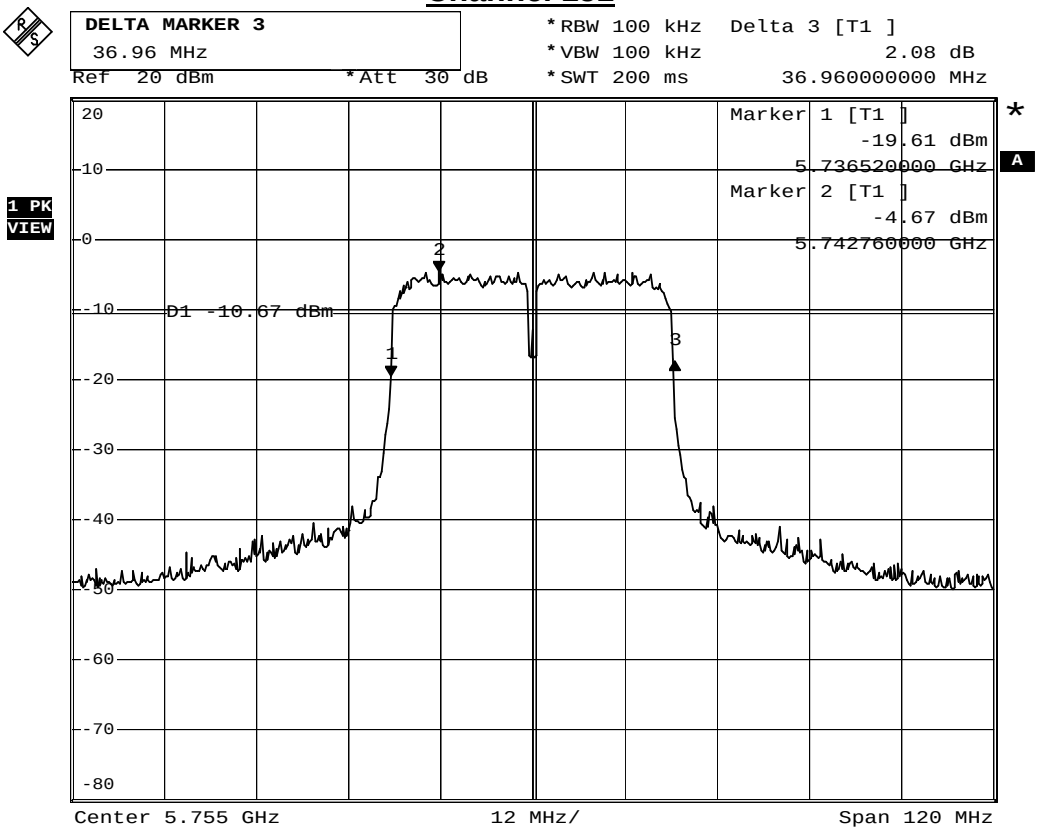


Date: 30.NOV.2011 15:04:51

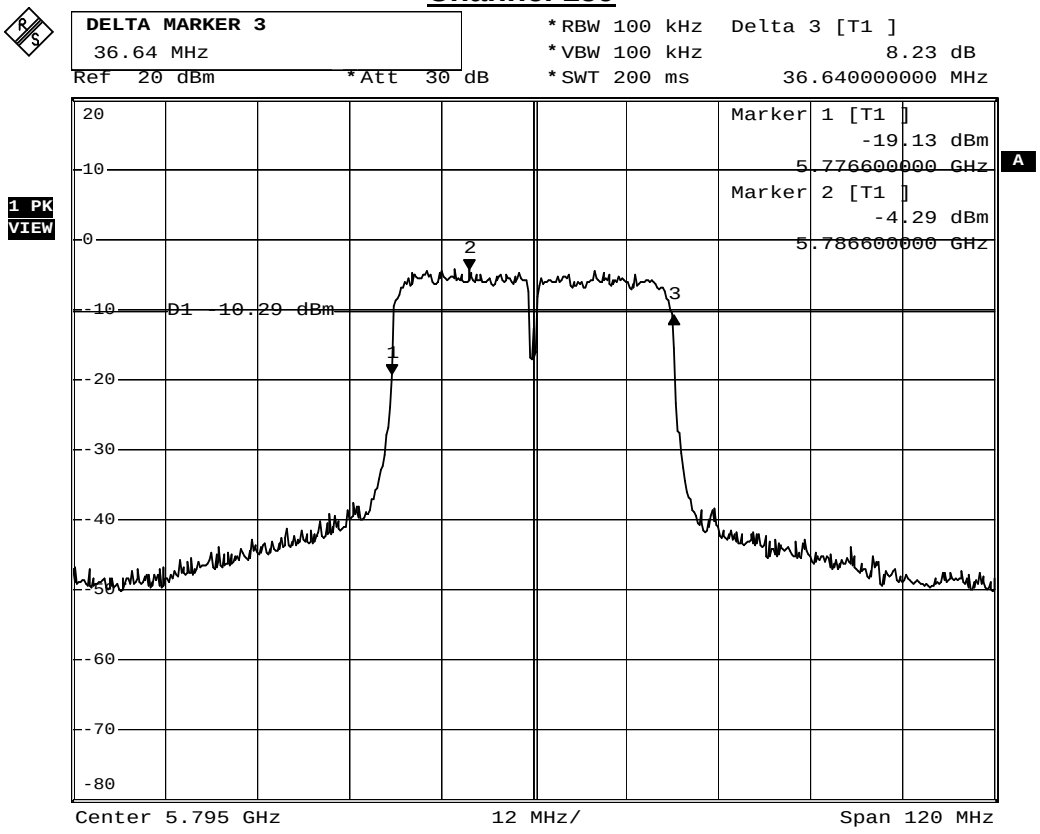
Product	Dual-band Wireless-N Ethernet Adapter		
Test Item	Occupied Bandwidth		
Test Mode	Mode 1: Transmit (Adapter: DVE)		
Date of Test	2011/11/30	Test Site	SR7

IEEE 802.11n (40MHz)(ANT 0)				
Channel No.	Frequency (MHz)	Measurement Level (MHz)	Required Limit (MHz)	Result
151	5755	36.96	≧0.5	Pass
159	5795	36.64	≧0.5	Pass

Channel 151



Channel 159

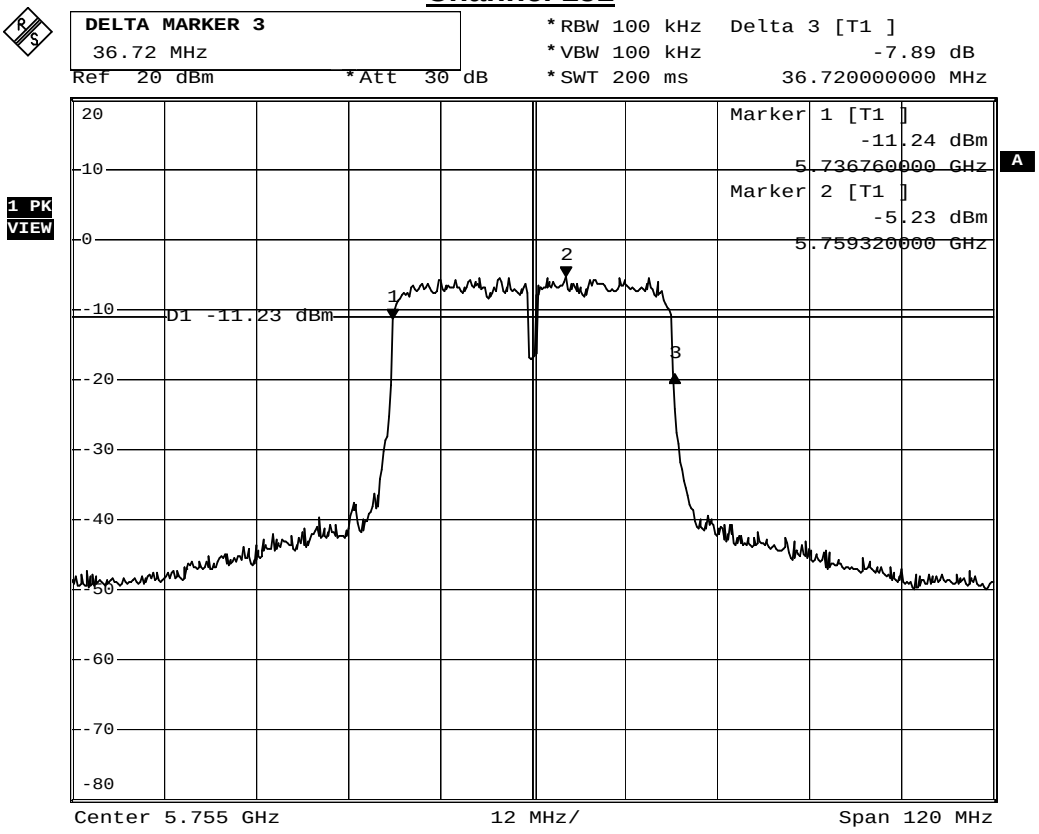


Date: 30.NOV.2011 15:18:17

Product	Dual-band Wireless-N Ethernet Adapter		
Test Item	Occupied Bandwidth		
Test Mode	Mode 1: Transmit (Adapter: DVE)		
Date of Test	2011/11/30	Test Site	SR7

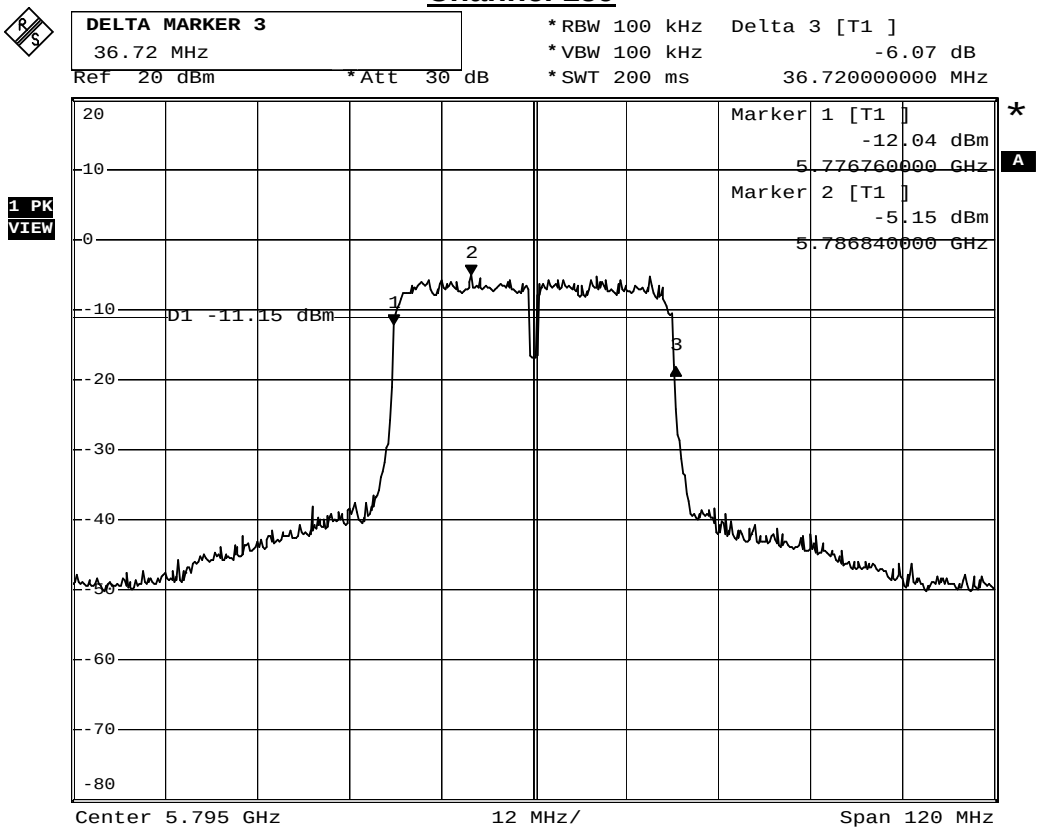
IEEE 802.11n (40MHz)(ANT 1)				
Channel No.	Frequency (MHz)	Measurement Level (MHz)	Required Limit (MHz)	Result
151	5755	36.72	≧0.5	Pass
159	5795	36.72	≧0.5	Pass

Channel 151



Date: 30.NOV.2011 15:13:09

Channel 159

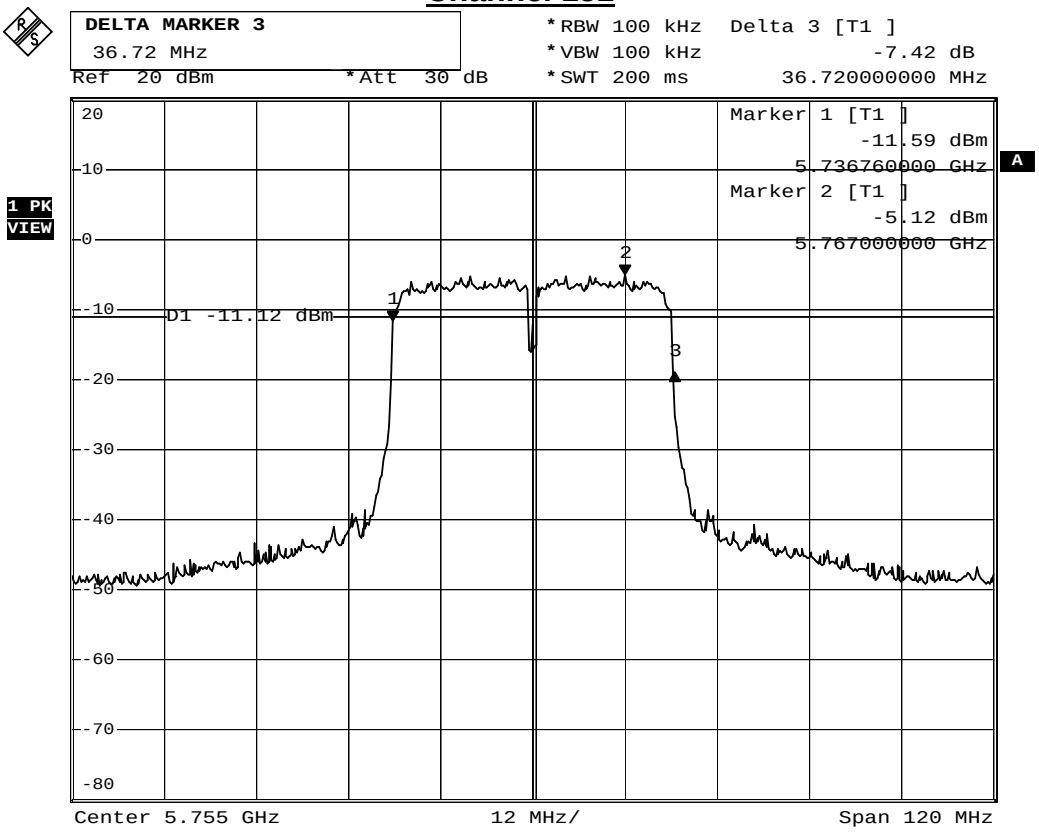


Date: 30.NOV.2011 15:20:28

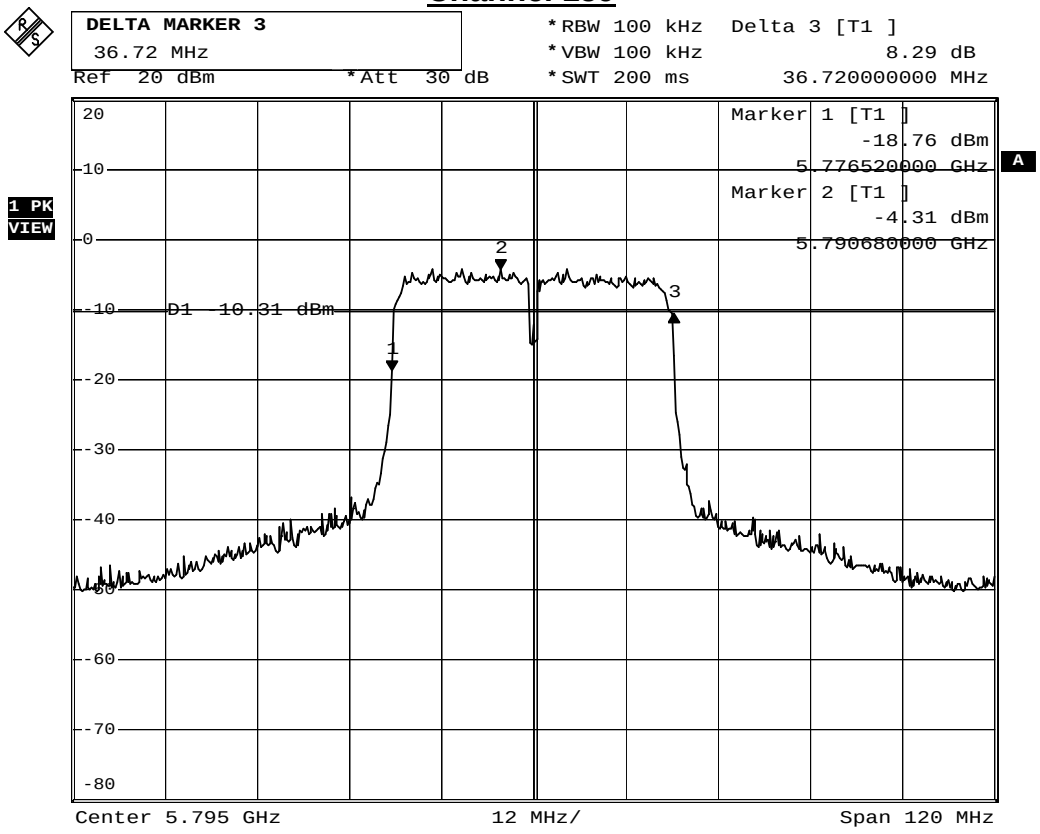
Product	Dual-band Wireless-N Ethernet Adapter		
Test Item	Occupied Bandwidth		
Test Mode	Mode 1: Transmit (Adapter: DVE)		
Date of Test	2011/11/30	Test Site	SR7

IEEE 802.11n (40MHz)(ANT 2)				
Channel No.	Frequency (MHz)	Measurement Level (MHz)	Required Limit (MHz)	Result
151	5755	36.72	≧0.5	Pass
159	5795	36.72	≧0.5	Pass

Channel 151



Channel 159



Date: 30.NOV.2011 15:21:44

8. Power Density

8.1. Test Equipment

The following test equipment is used during the test:

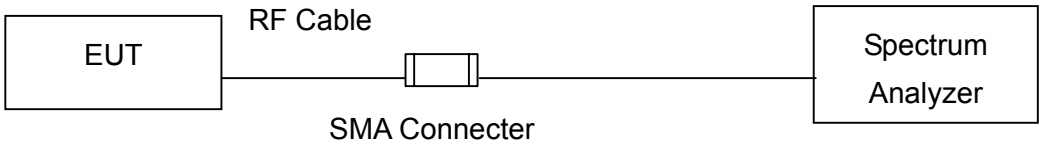
Power Density / SR7

Instrument	Manufacturer	Model No.	Serial No	Cal. Date	Next Cal. Date
Spectrum Analyzer	R&S	FSP	100561	2011/01/17	2012/01/16

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

8.2. Test Setup

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



8.3. Limits

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

8.4. Test Procedures

The EUT was setup according to ANSI C63.4: 2009; tested according to DTS test procedure of Oct 2002 KDB558074 for compliance to FCC 47CFR 15.247 requirements.
Set RBW= 3 kHz, Set VBW≧ 9 kHz, Sweep time=Auto, Set detector=Peak detector

8.5. Test Specification

According to FCC Part 15 Subpart C Paragraph 15.247: 2010

8.6. Uncertainty

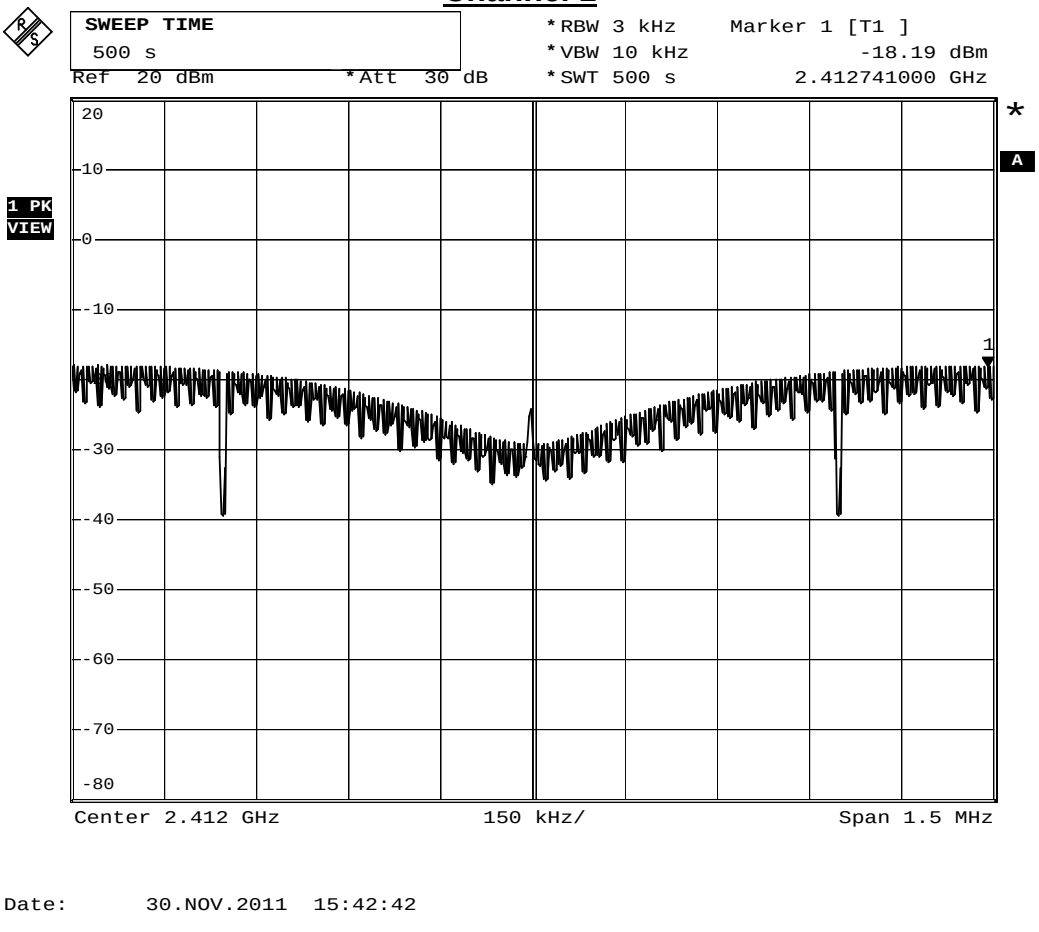
The measurement uncertainty is defined as ±1.27dB.

8.7. Test Result

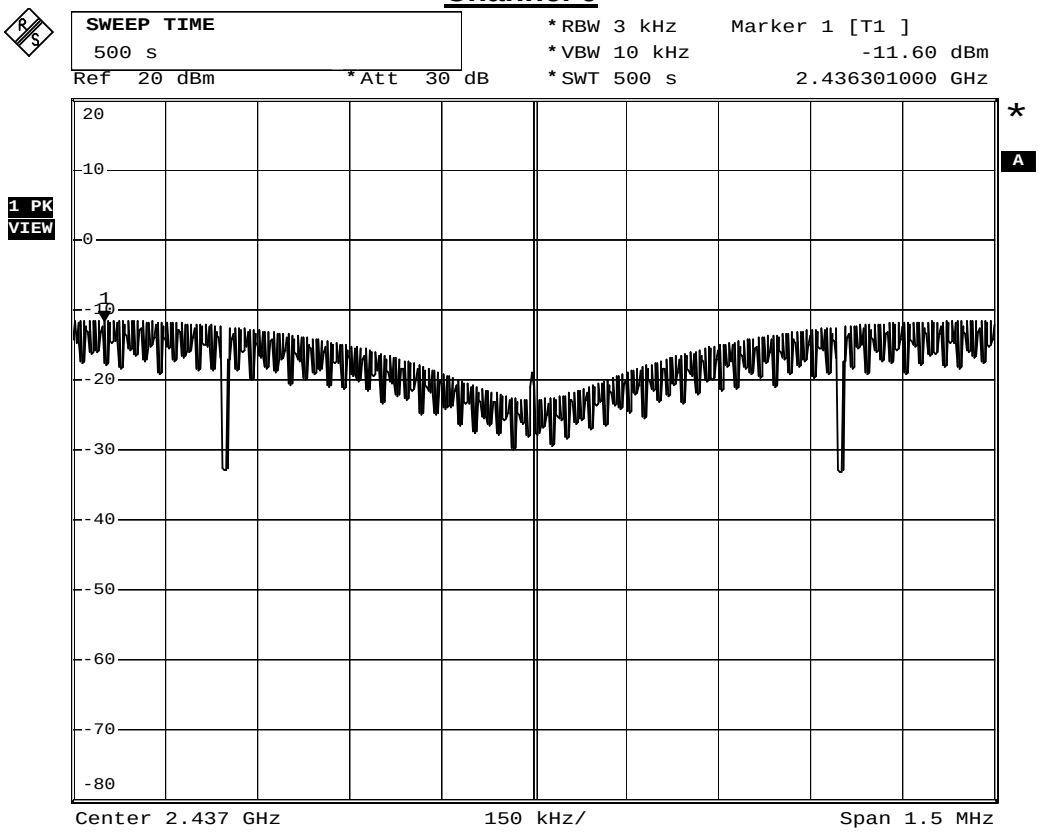
Product	Dual-band Wireless-N Ethernet Adapter		
Test Item	Power Density		
Test Mode	Mode 1: Transmit (Adapter: DVE)		
Date of Test	2011/11/30	Test Site	SR7

IEEE 802.11b				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
1	2412	-18.19	≦8	Pass
6	2437	-11.60	≦8	Pass
11	2462	-14.04	≦8	Pass

Channel 1

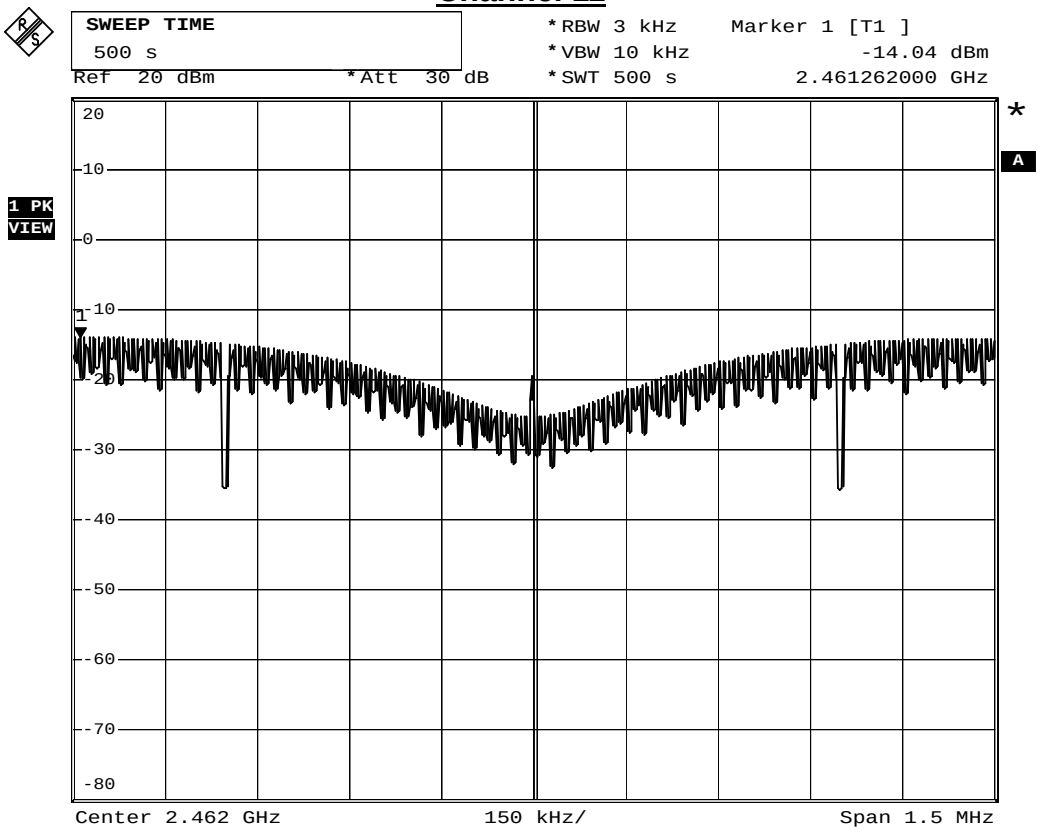


Channel 6



Date: 30.NOV.2011 15:46:13

Channel 11

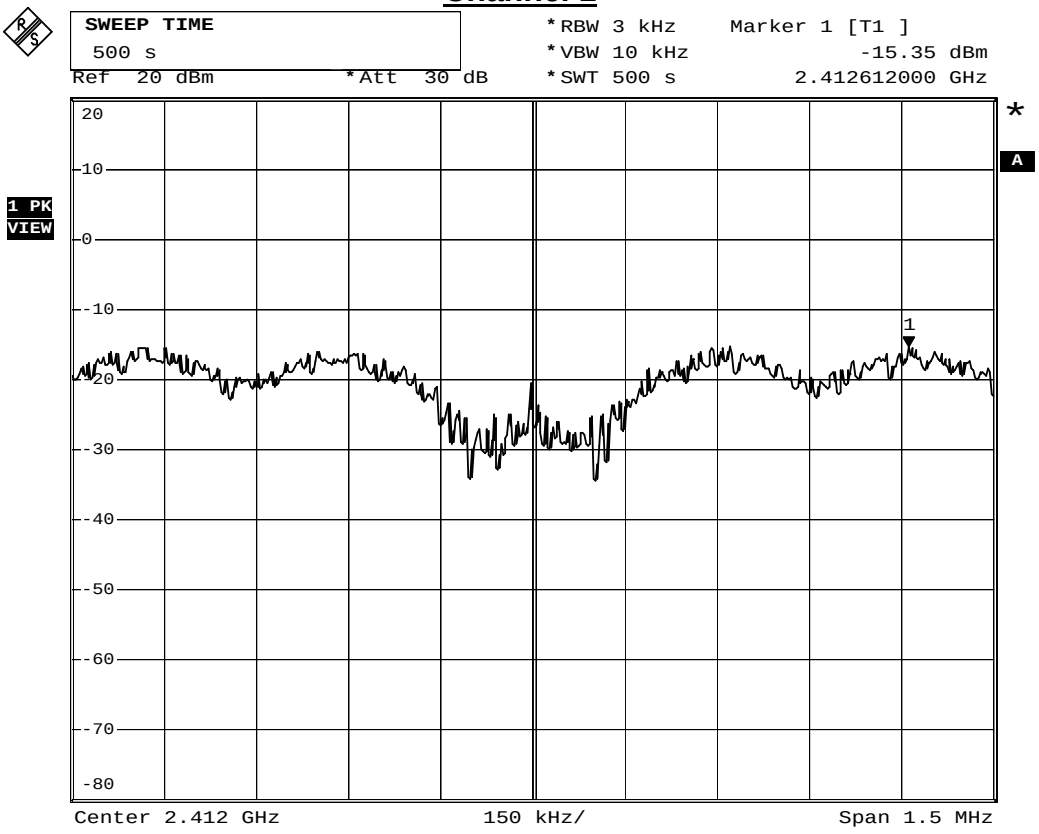


Date: 30.NOV.2011 15:47:18

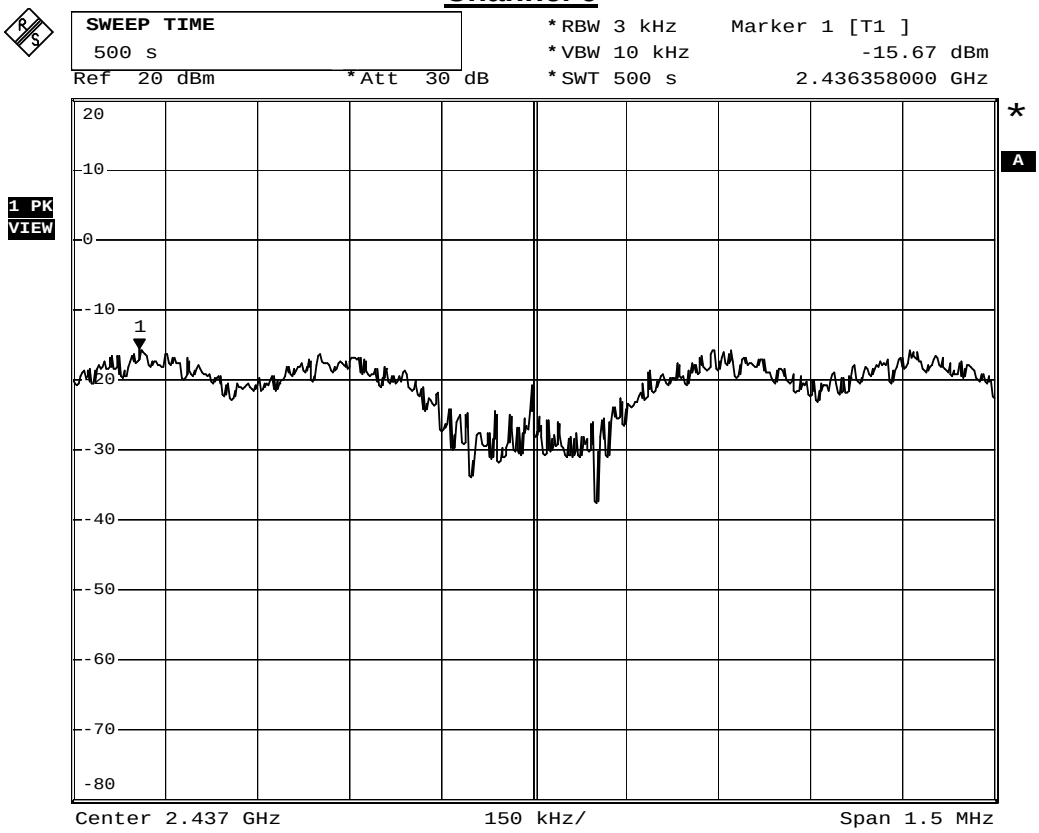
Product	Dual-band Wireless-N Ethernet Adapter		
Test Item	Power Density		
Test Mode	Mode 1: Transmit (Adapter: DVE)		
Date of Test	2011/11/30	Test Site	SR7

IEEE 802.11g				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
1	2412	-15.35	≦8	Pass
6	2437	-15.67	≦8	Pass
11	2462	-15.05	≦8	Pass

Channel 1

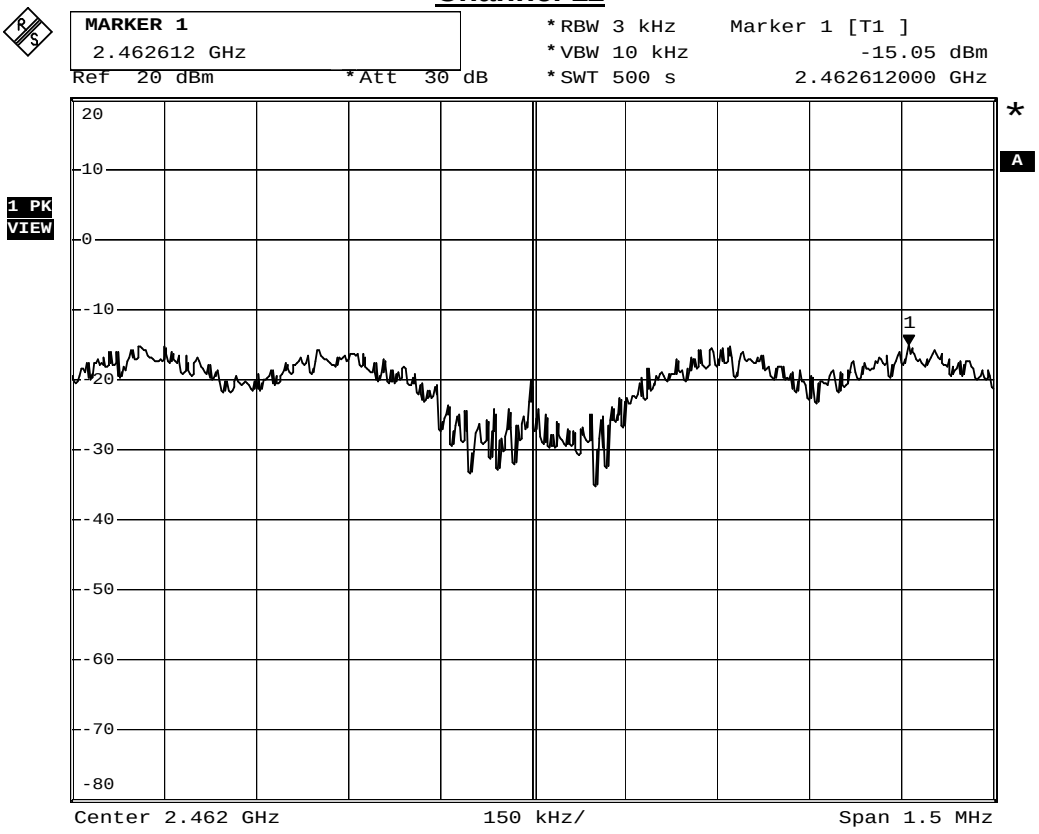


Channel 6



Date: 30.NOV.2011 15:50:13

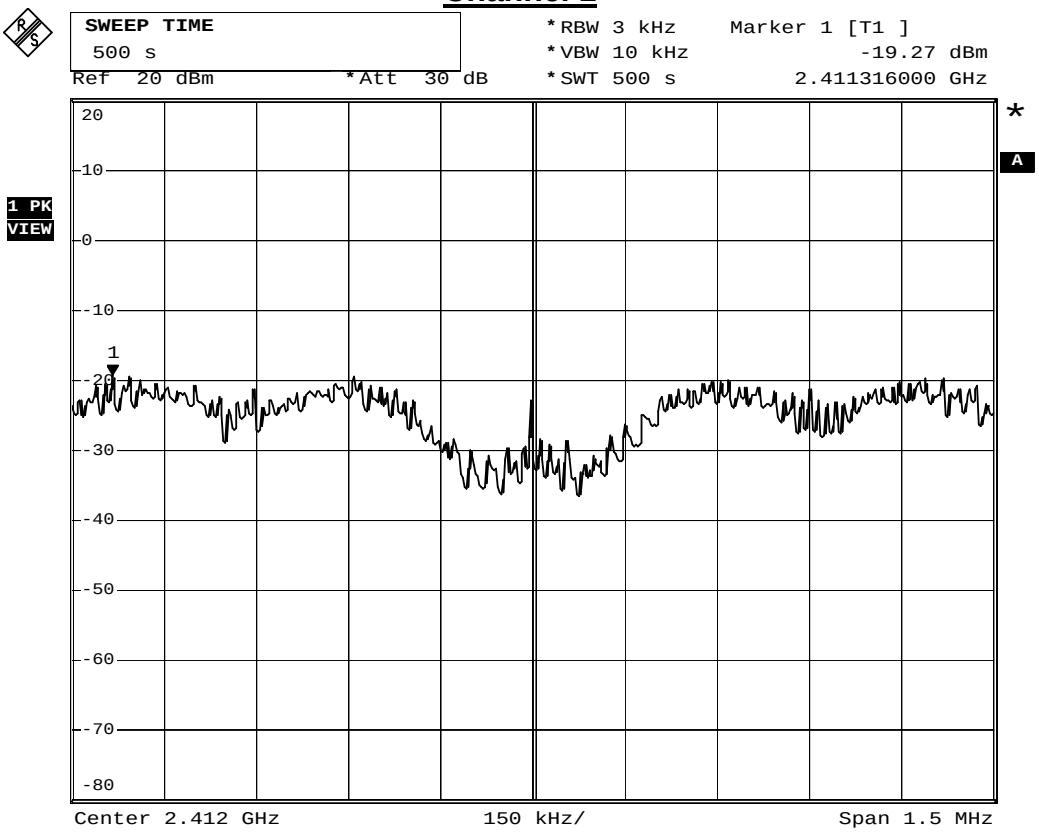
Channel 11


MARKER 1
2.462612 GHz
*RBW 3 kHz
*VBW 10 kHz
*SWT 500 s
Marker 1 [T1]
-15.05 dBm
2.462612000 GHz
Ref 20 dBm
*Att 30 dB
1 PK
VIEW
A
20
10
0
-10
-20
-30
-40
-50
-60
-70
-80
Center 2.462 GHz
150 kHz/
Span 1.5 MHz
Date: 30.NOV.2011 15:51:30

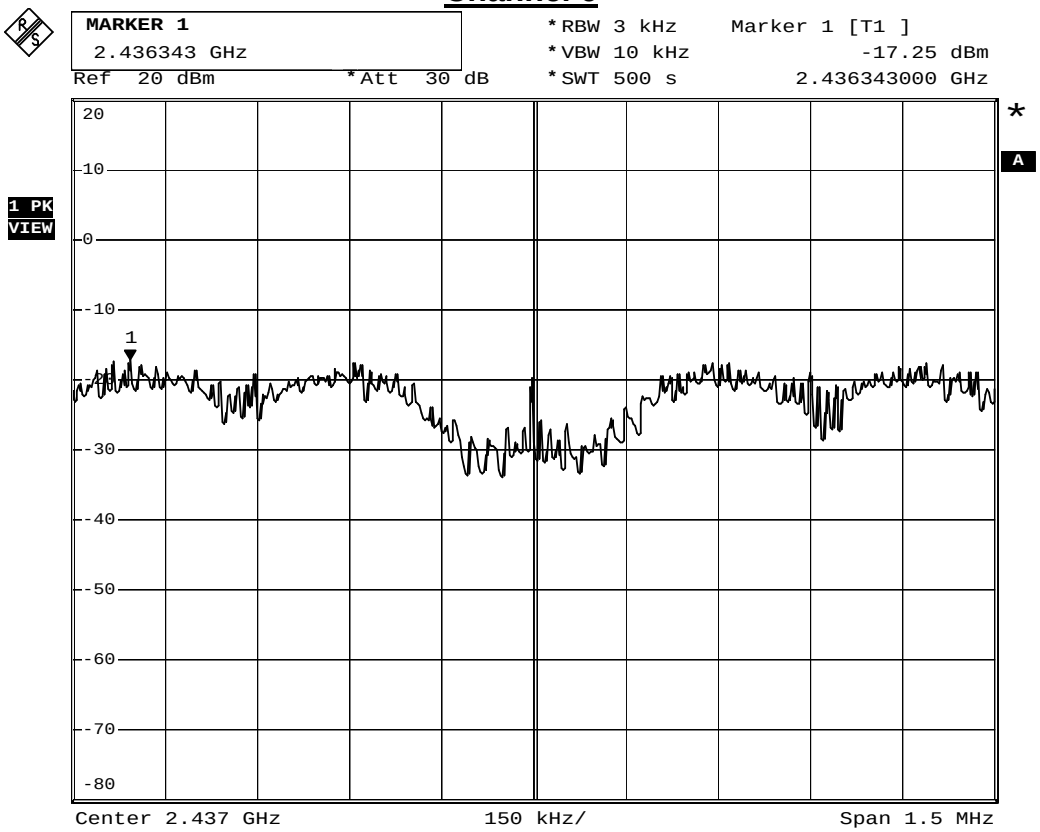
Product	Dual-band Wireless-N Ethernet Adapter		
Test Item	Power Density		
Test Mode	Mode 1: Transmit (Adapter: DVE)		
Date of Test	2011/11/30	Test Site	SR7

IEEE802.11n_20MHz_(ANT 0)				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
1	2412.00	-19.27	≦8	Pass
6	2437.00	-17.25	≦8	Pass
11	2462.00	-17.62	≦8	Pass

Channel 1

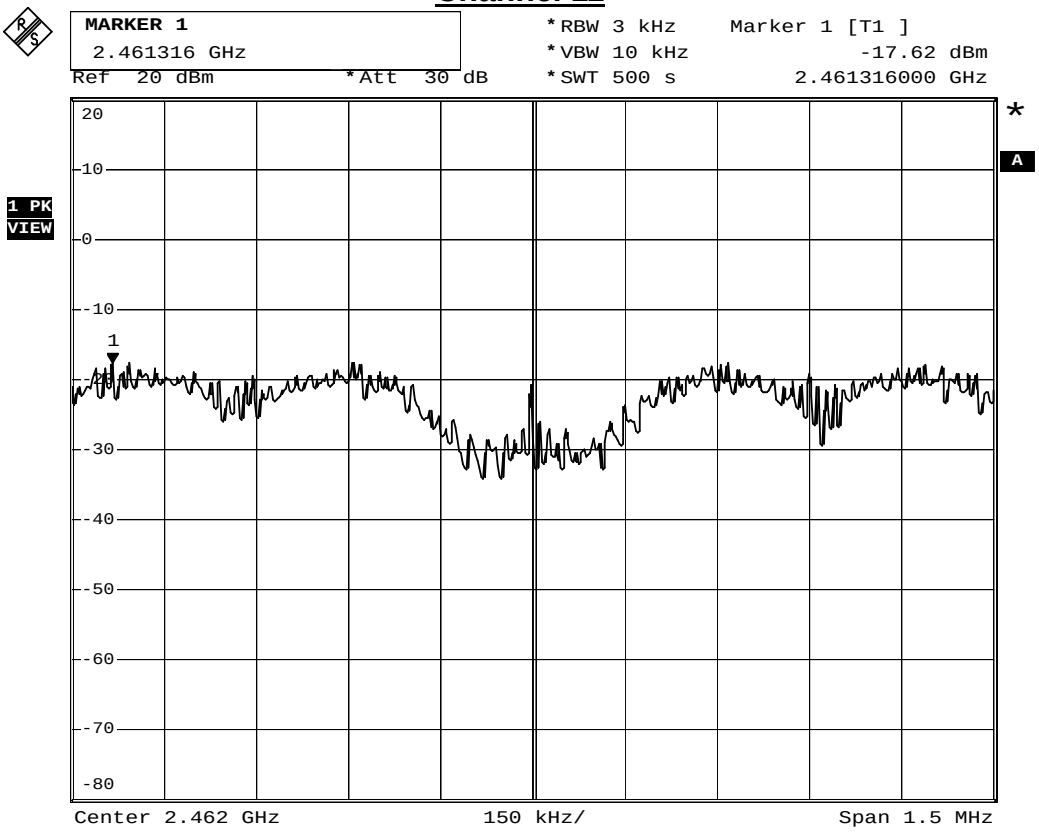


Channel 6



Date: 30.NOV.2011 16:10:13

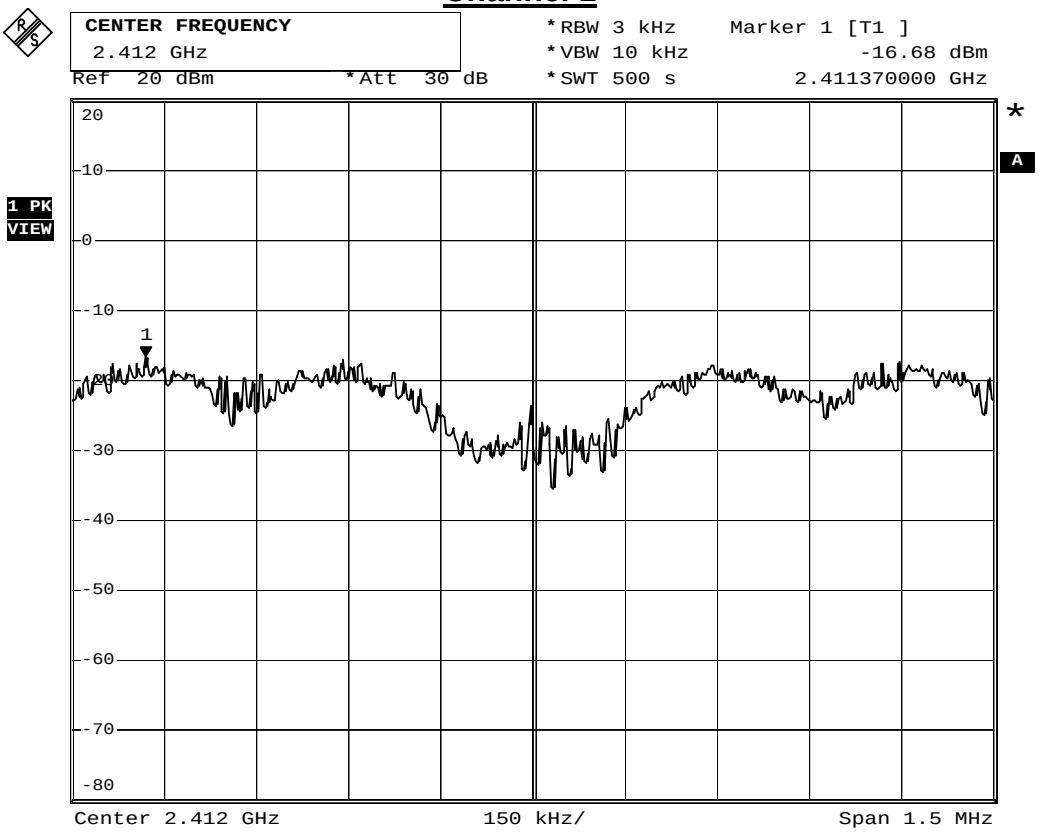
Channel 11


MARKER 1
2.461316 GHz
*RBW 3 kHz
*VBW 10 kHz
*SWT 500 s
Marker 1 [T1]
-17.62 dBm
2.461316000 GHz
Ref 20 dBm
*Att 30 dB
1 PK
VIEW
A
20
10
0
-10
-20
-30
-40
-50
-60
-70
-80
Center 2.462 GHz
150 kHz/
Span 1.5 MHz
Date: 30.NOV.2011 16:11:23

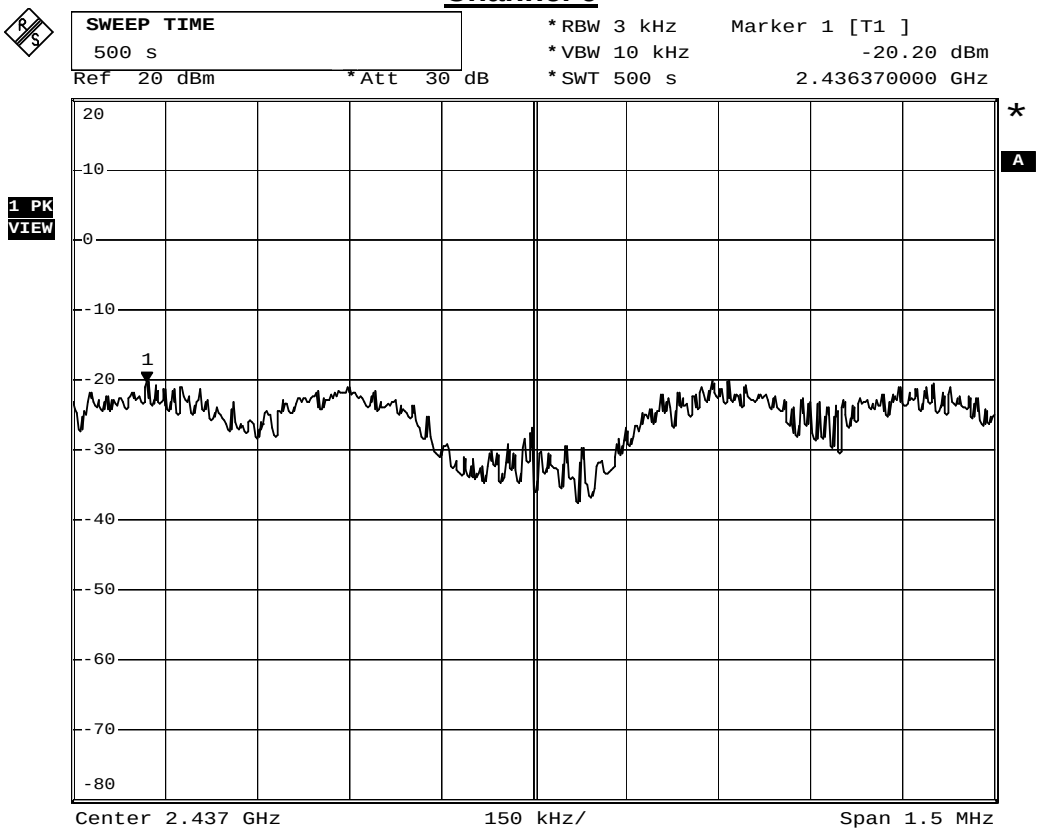
Product	Dual-band Wireless-N Ethernet Adapter		
Test Item	Power Density		
Test Mode	Mode 1: Transmit (Adapter: DVE)		
Date of Test	2011/11/30	Test Site	SR7

IEEE802.11n_20MHz_(ANT 1)				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
1	2412.00	-16.68	≦8	Pass
6	2437.00	-20.20	≦8	Pass
11	2462.00	-20.69	≦8	Pass

Channel 1

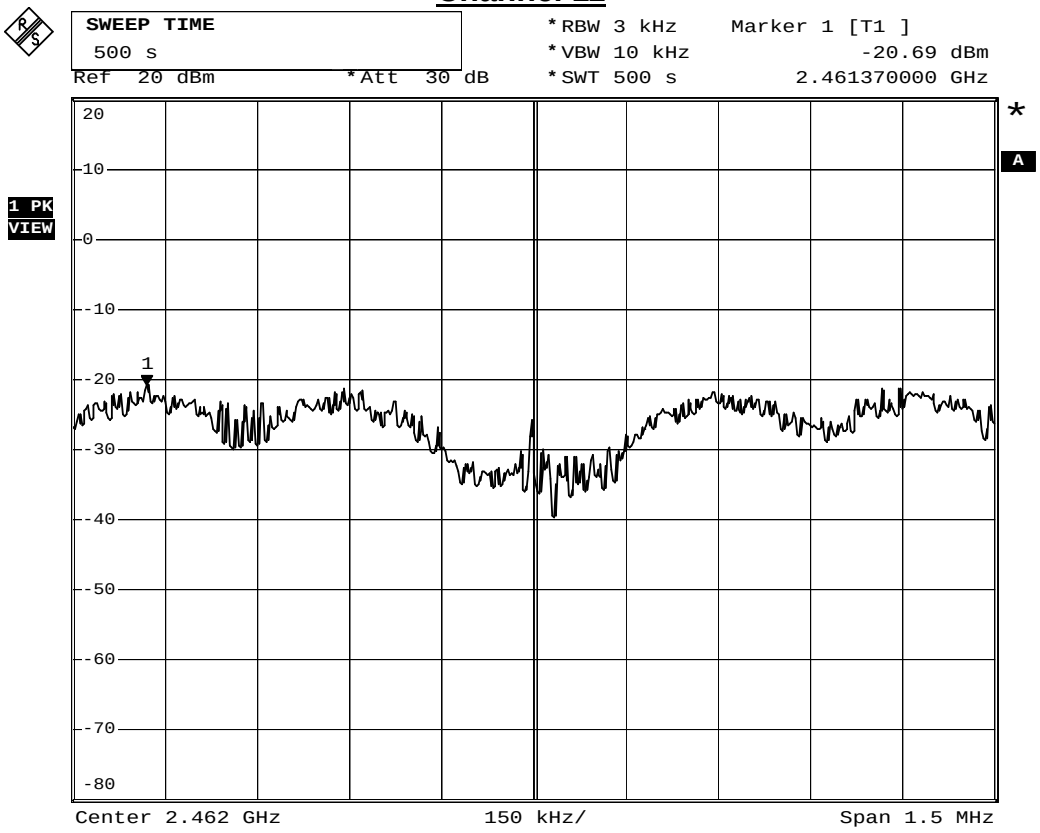


Channel 6



Date: 30.NOV.2011 16:09:28

Channel 11

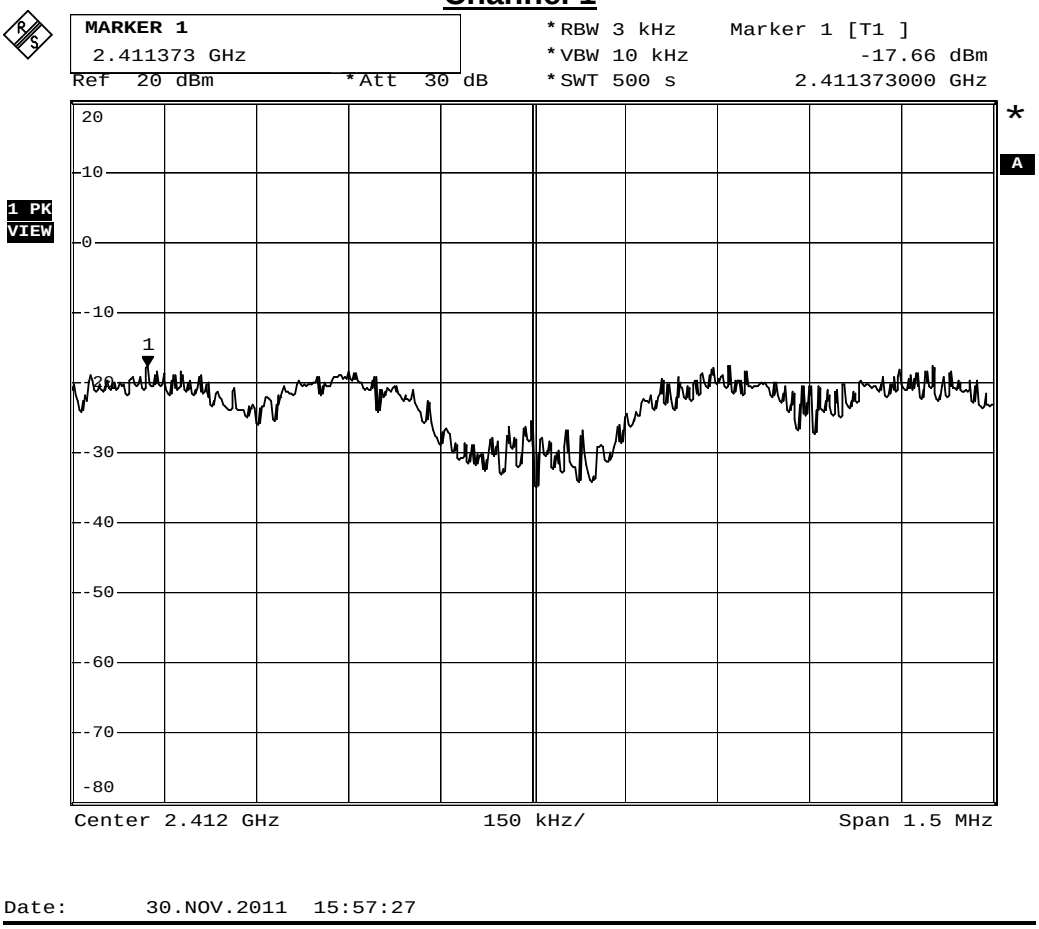


Date: 30.NOV.2011 16:12:41

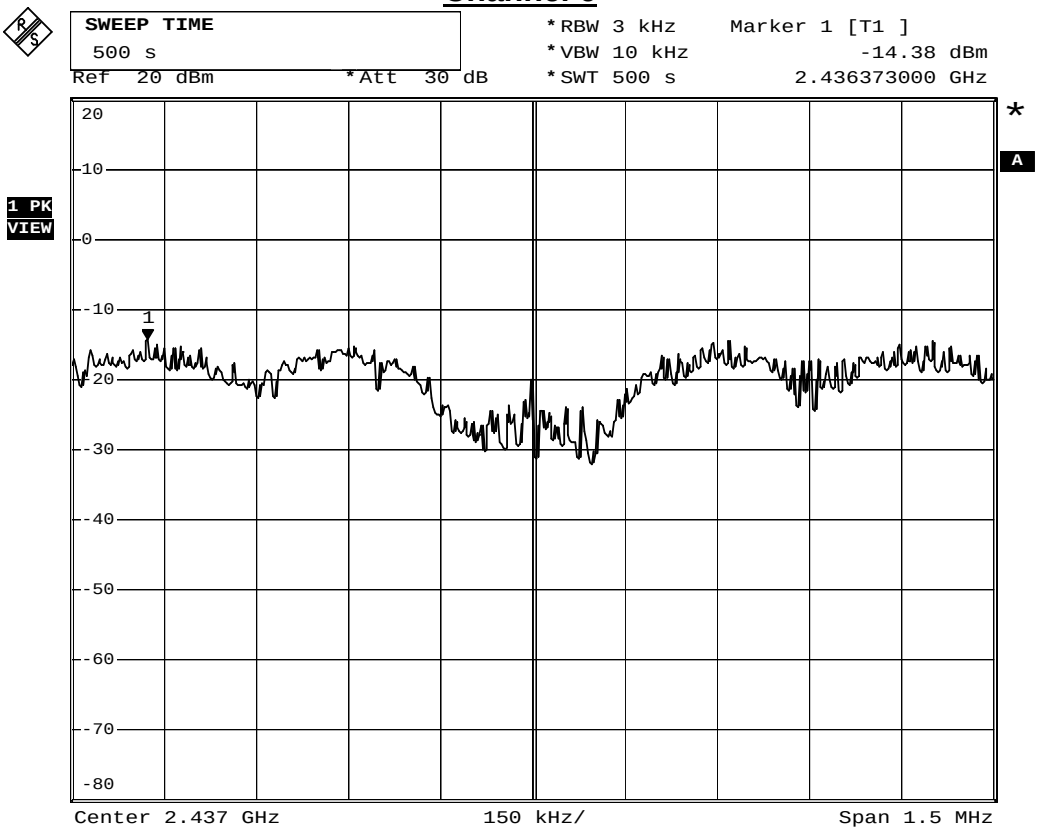
Product	Dual-band Wireless-N Ethernet Adapter		
Test Item	Power Density		
Test Mode	Mode 1: Transmit (Adapter: DVE)		
Date of Test	2011/11/30	Test Site	SR7

IEEE802.11n_20MHz_(ANT 2)				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
1	2412.00	-17.66	≦8	Pass
6	2437.00	-14.38	≦8	Pass
11	2462.00	-18.80	≦8	Pass

Channel 1

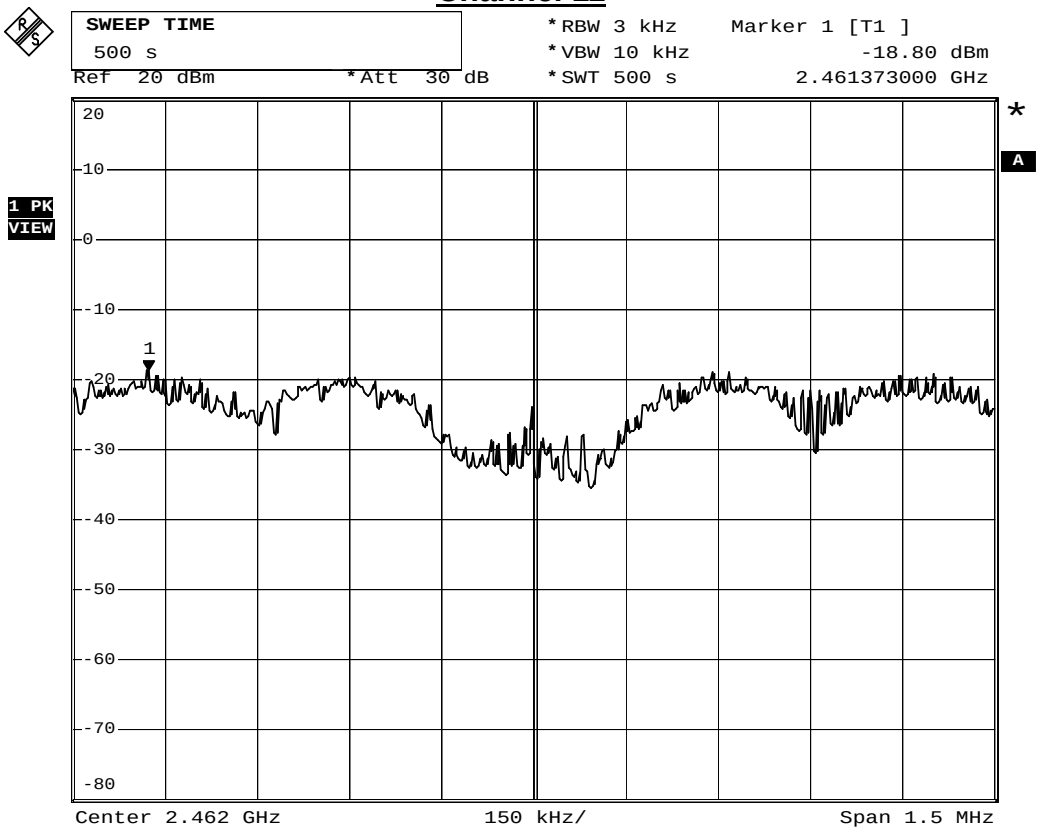


Channel 6



Date: 30.NOV.2011 15:58:44

Channel 11



Date: 30.NOV.2011 16:13:37

Product	Dual-band Wireless-N Ethernet Adapter		
Test Item	Power Density		
Test Mode	Mode 1: Transmit (Adapter: DVE)		
Date of Test	2011/11/30	Test Site	SR7

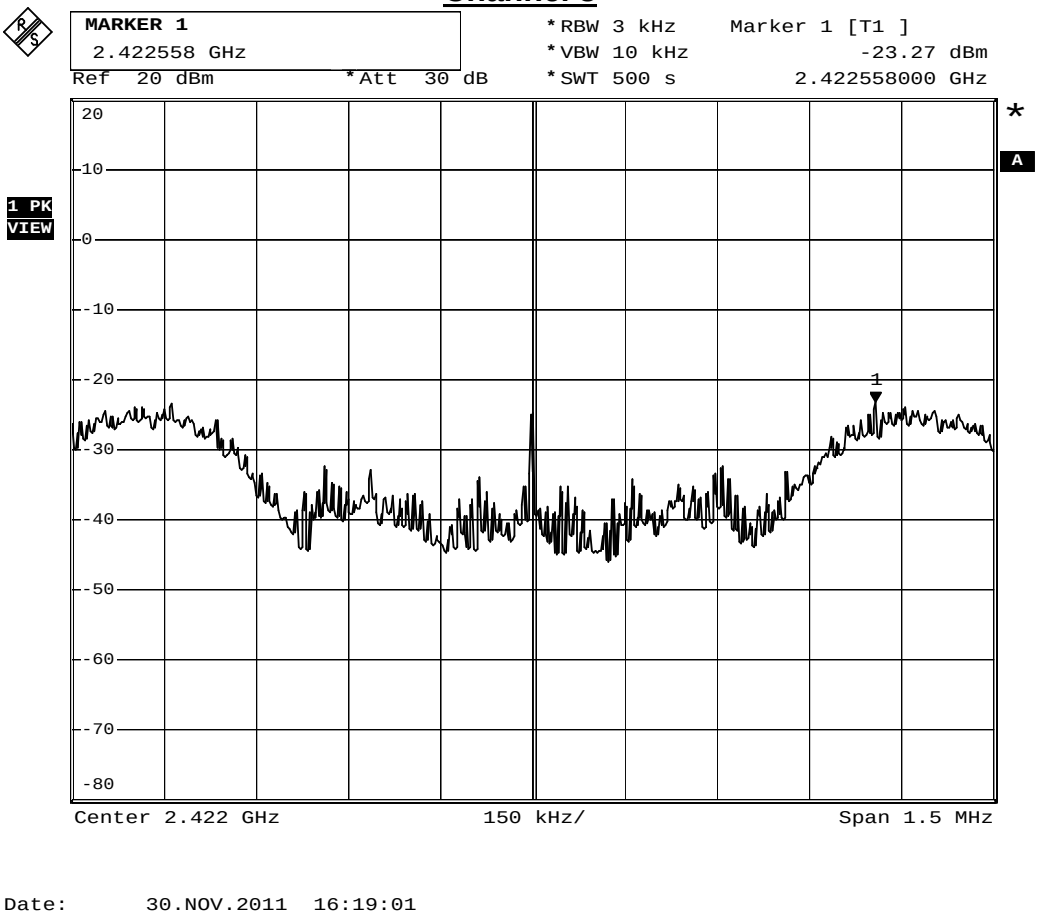
IEEE802.11n 20MHz(ANT 0+1+2)

Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
1	2412	-12.97	≦8	Pass
6	2437	-11.88	≦8	Pass
11	2462	-14.09	≦8	Pass

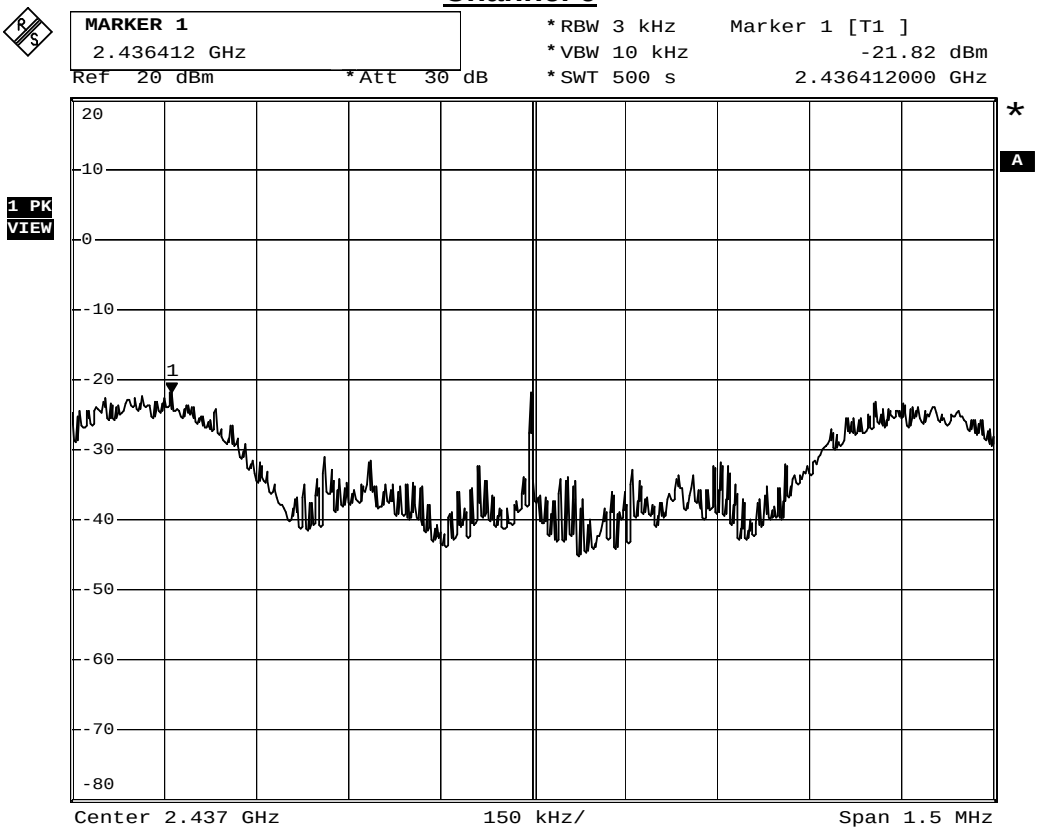
Product	Dual-band Wireless-N Ethernet Adapter		
Test Item	Power Density		
Test Mode	Mode 1: Transmit (Adapter: DVE)		
Date of Test	2011/11/30	Test Site	SR7

IEEE 802.11n_40MHz (ANT 0)				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
3	2422	-23.27	≦8	Pass
6	2437	-21.82	≦8	Pass
9	2452	-20.55	≦8	Pass

Channel 3

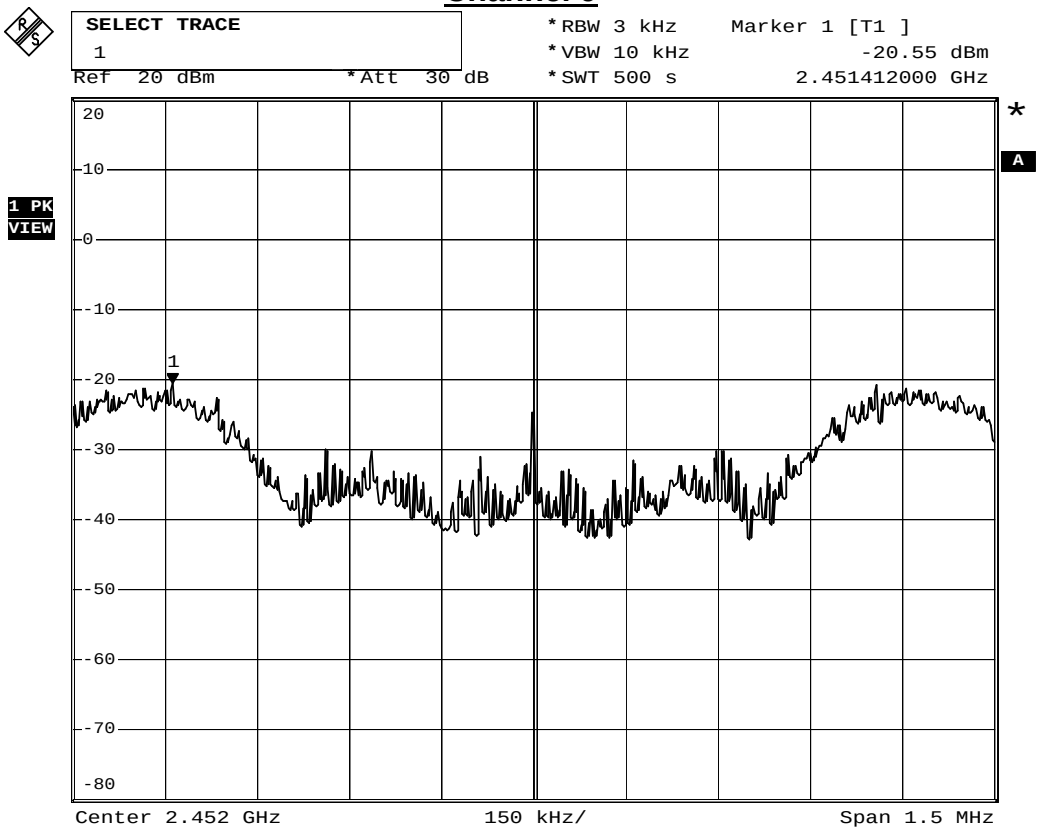


Channel 6



Date: 30.NOV.2011 16:21:04

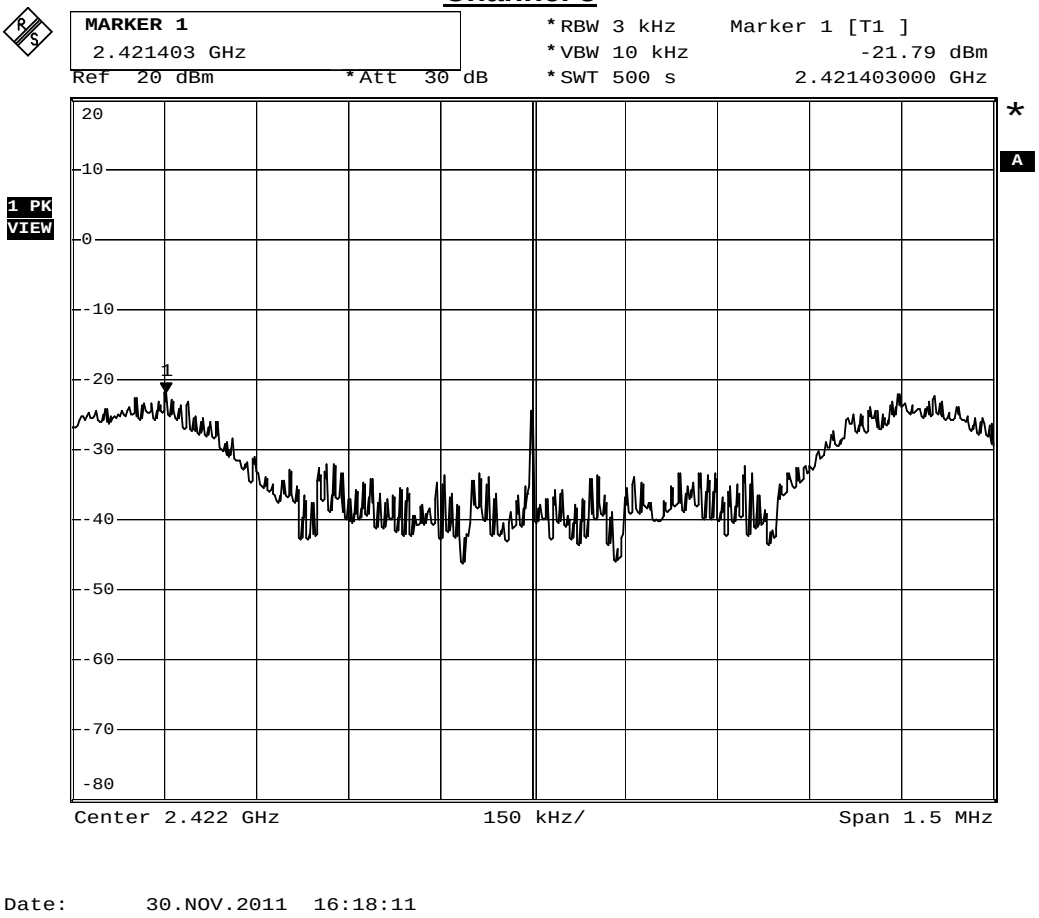
Channel 9


SELECT TRACE
1
*RBW 3 kHz
*VBW 10 kHz
*SWT 500 s
Marker 1 [T1]
-20.55 dBm
2.451412000 GHz
Ref 20 dBm
*Att 30 dB
1 PK
VIEW
A
20
10
0
-10
-20
-30
-40
-50
-60
-70
-80
Center 2.452 GHz
150 kHz/
Span 1.5 MHz
Date: 30.NOV.2011 16:28:30

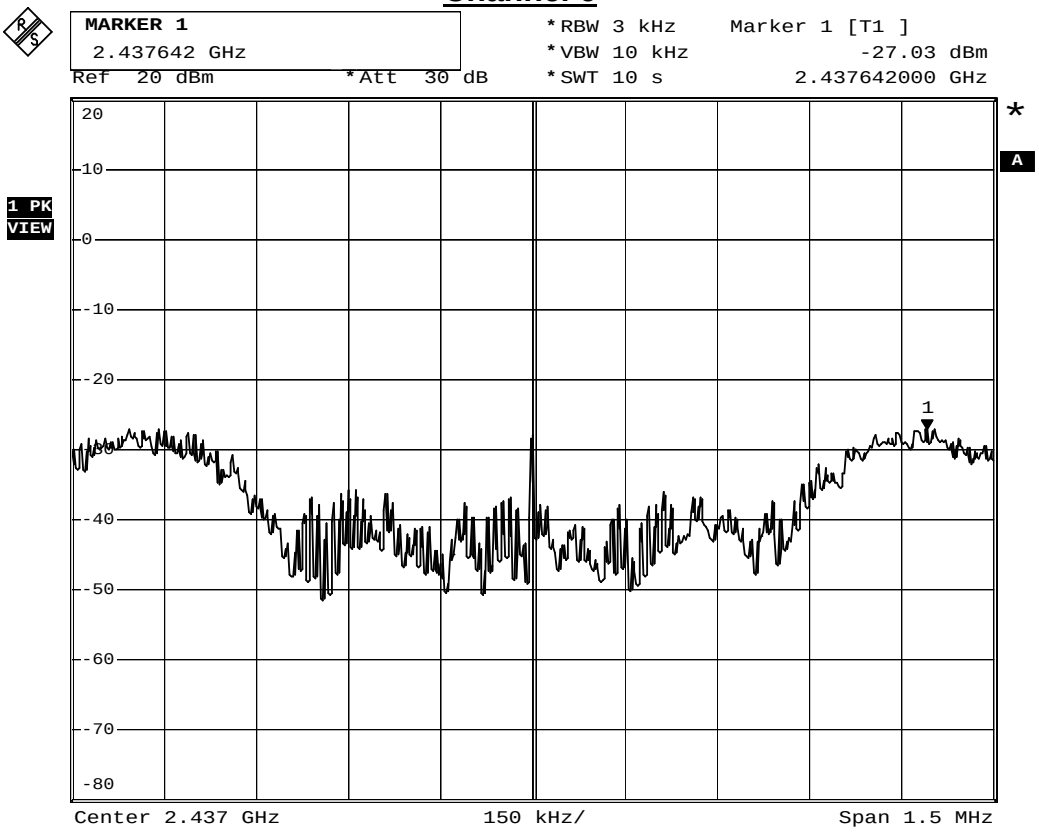
Product	Dual-band Wireless-N Ethernet Adapter		
Test Item	Power Density		
Test Mode	Mode 1: Transmit (Adapter: DVE)		
Date of Test	2011/11/30	Test Site	SR7

IEEE 802.11n_40MHz (ANT 1)				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
3	2422	-21.79	≦8	Pass
6	2437	-27.03	≦8	Pass
9	2452	-19.22	≦8	Pass

Channel 3

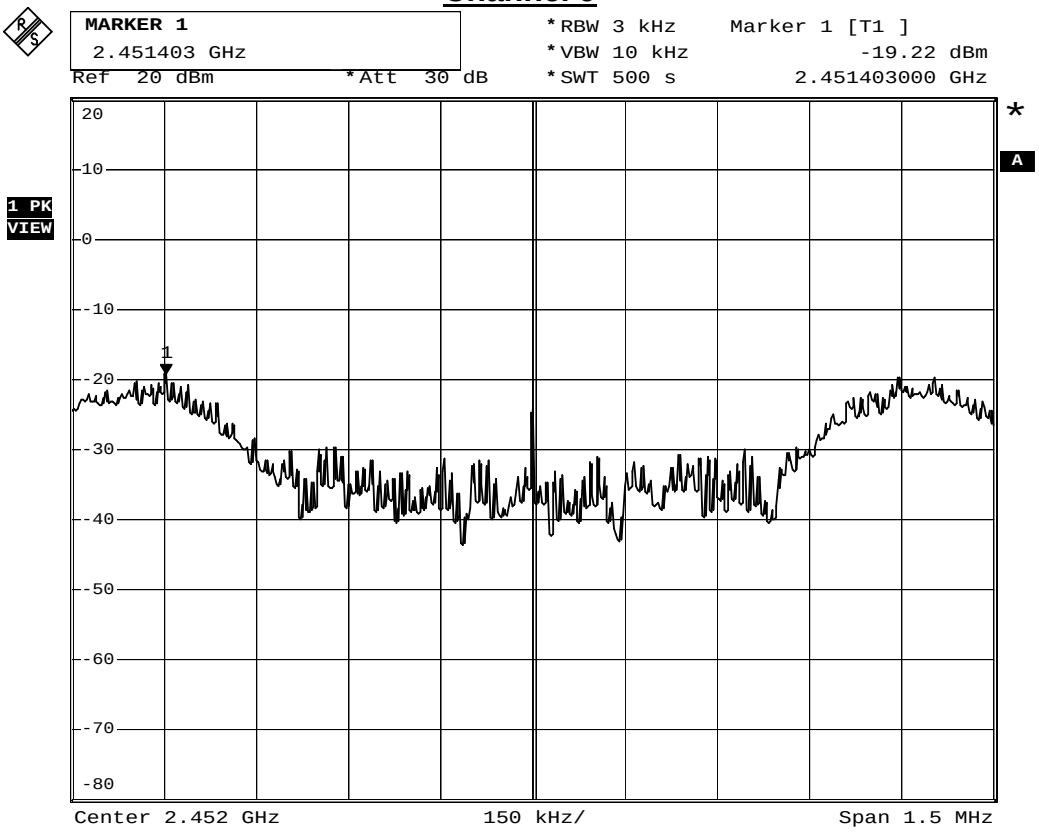


Channel 6



Date: 30.NOV.2011 16:25:17

Channel 9

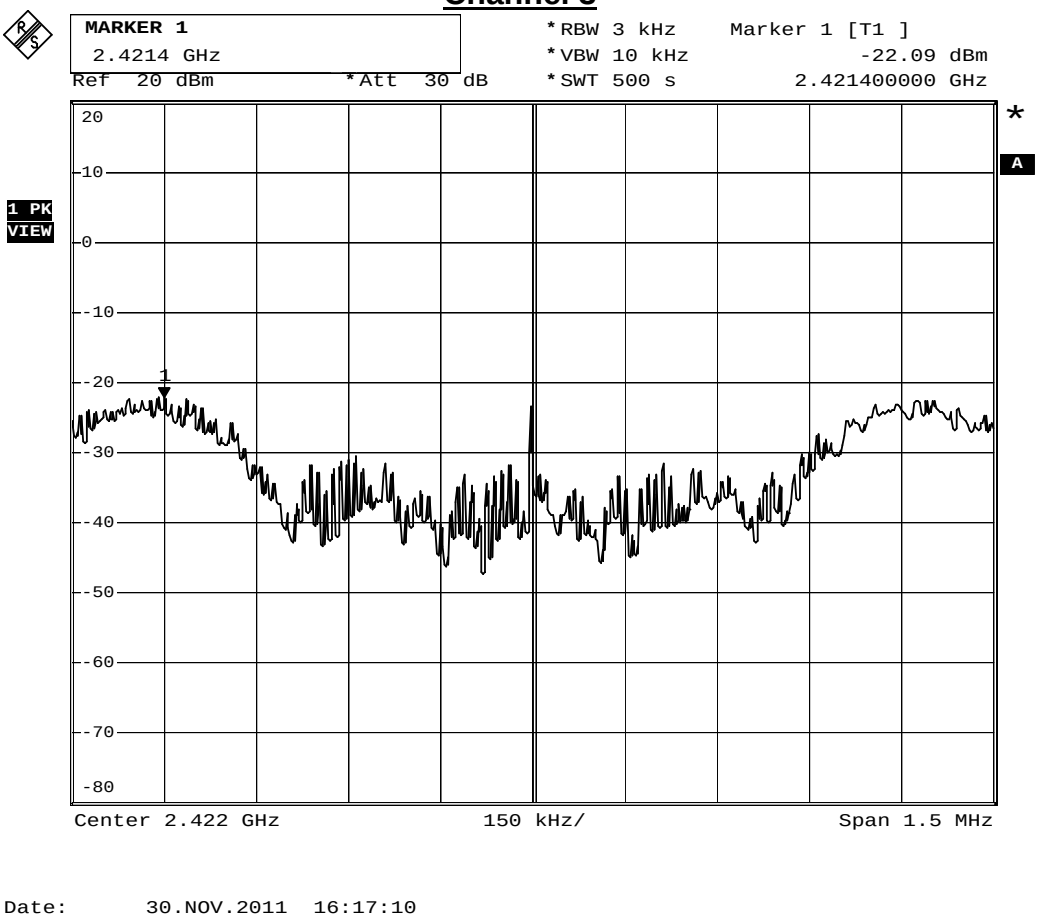

MARKER 1
2.451403 GHz
Ref 20 dBm
*Att 30 dB
*RBW 3 kHz
*VBW 10 kHz
*SWT 500 s
Marker 1 [T1]
-19.22 dBm
2.451403000 GHz
1 PK
VIEW
A
20
10
0
-10
-20
-30
-40
-50
-60
-70
-80
Center 2.452 GHz
150 kHz/
Span 1.5 MHz
Date: 30.NOV.2011 16:27:41

Product	Dual-band Wireless-N Ethernet Adapter		
Test Item	Power Density		
Test Mode	Mode 1: Transmit (Adapter: DVE)		
Date of Test	2011/11/30	Test Site	SR7

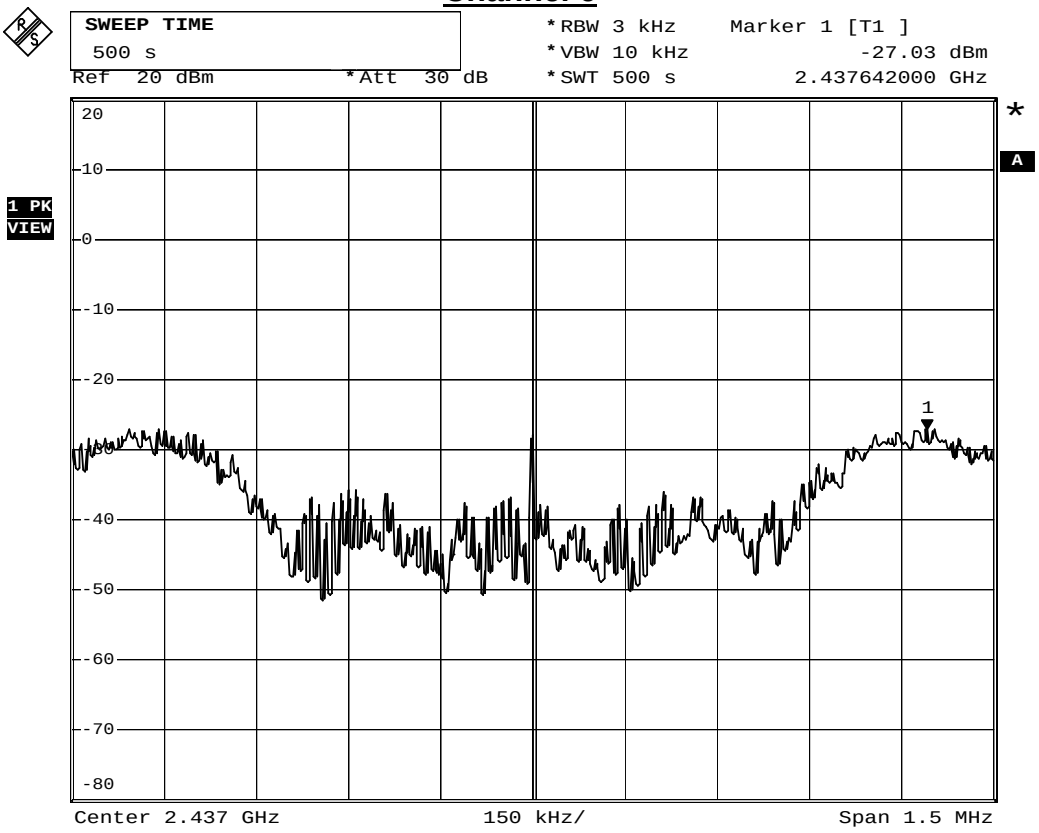
IEEE 802.11n_40MHz (ANT 2)

Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
3	2422	-22.09	≦8	Pass
6	2437	-27.03	≦8	Pass
9	2452	-21.92	≦8	Pass

Channel 3

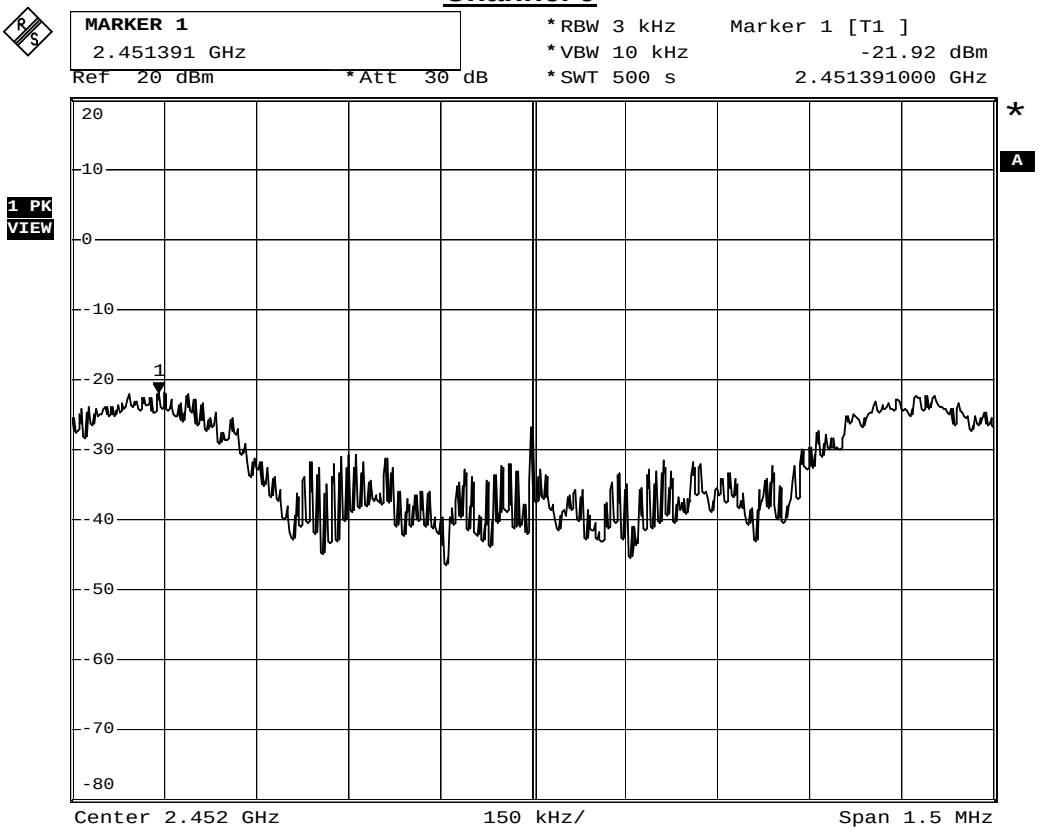


Channel 6



Date: 30.NOV.2011 16:25:31

Channel 9


MARKER 1
2.451391 GHz
*RBW 3 kHz
*VBW 10 kHz
*SWT 500 s
Marker 1 [T1]
-21.92 dBm
2.451391000 GHz
Ref 20 dBm
*Att 30 dB
1 PK
VIEW
A
20
10
0
-10
-20
-30
-40
-50
-60
-70
-80
Center 2.452 GHz
150 kHz/
Span 1.5 MHz
Date: 30.NOV.2011 16:26:44

Product	Dual-band Wireless-N Ethernet Adapter		
Test Item	Power Density		
Test Mode	Mode 1: Transmit (Adapter: DVE)		
Date of Test	2011/11/30	Test Site	SR7

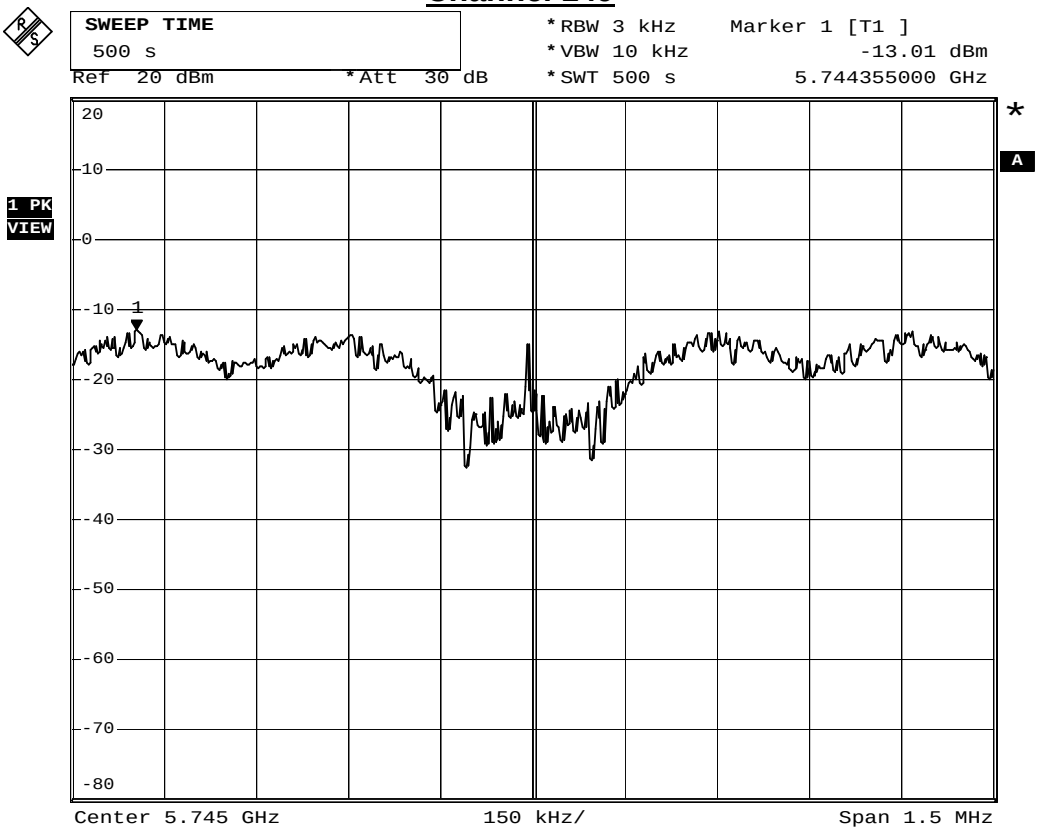
IEEE802.11n 40MHz(ANT 0+1+2)

Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
3	2422	-17.57	≦8	Pass
6	2437	-19.77	≦8	Pass
9	2452	-15.65	≦8	Pass

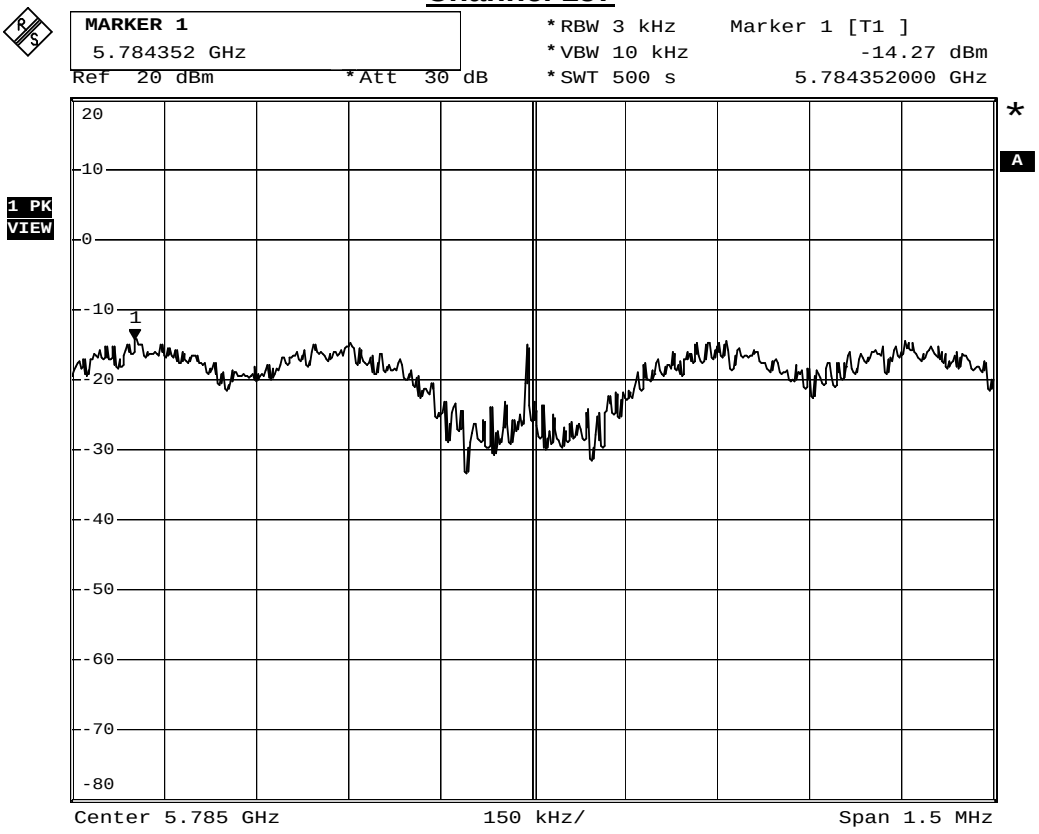
Product	Dual-band Wireless-N Ethernet Adapter		
Test Item	Power Density		
Test Mode	Mode 1: Transmit (Adapter: DVE)		
Date of Test	2011/11/30	Test Site	SR7

IEEE 802.11a				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
149	5745	-13.01	≦8	Pass
157	5785	-14.27	≦8	Pass
165	5825	-13.55	≦8	Pass

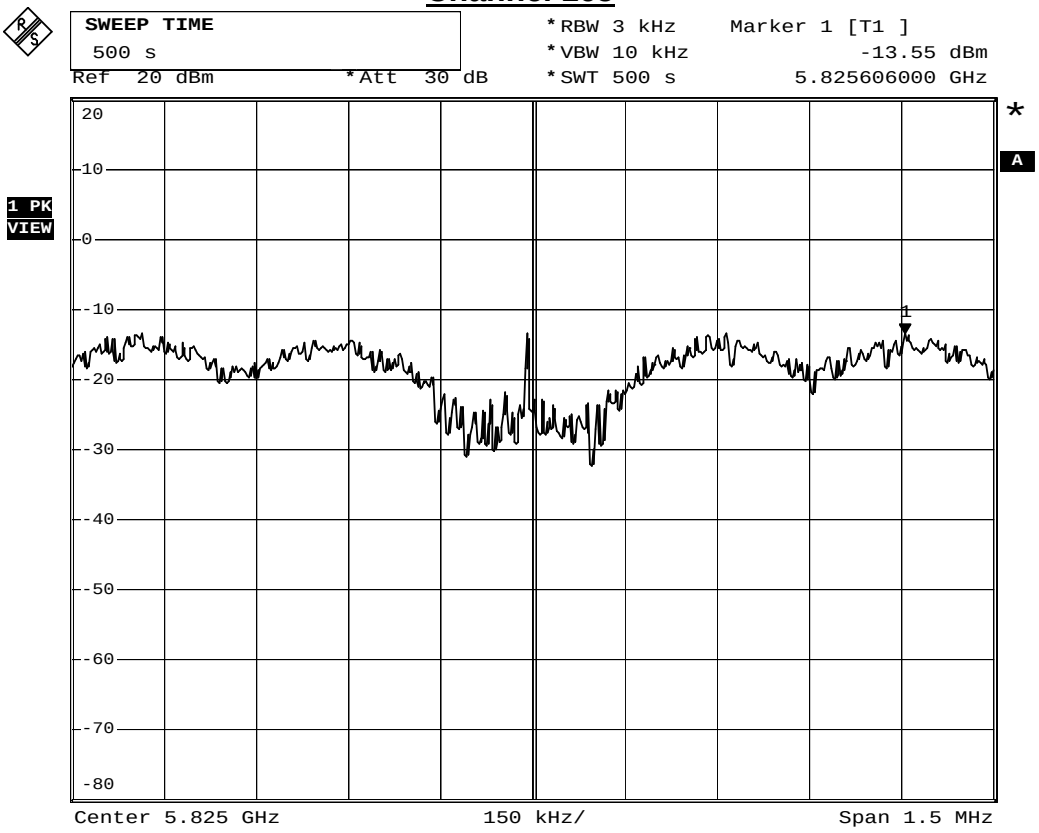
Channel 149



Channel 157


MARKER 1
5.784352 GHz
*RBW 3 kHz
*VBW 10 kHz
*SWT 500 s
Marker 1 [T1]
-14.27 dBm
5.784352000 GHz
Ref 20 dBm
*Att 30 dB
1 PK
VIEW
A
20
10
0
-10
-20
-30
-40
-50
-60
-70
-80
Center 5.785 GHz
150 kHz/
Span 1.5 MHz
Date: 30.NOV.2011 16:35:55

Channel 165

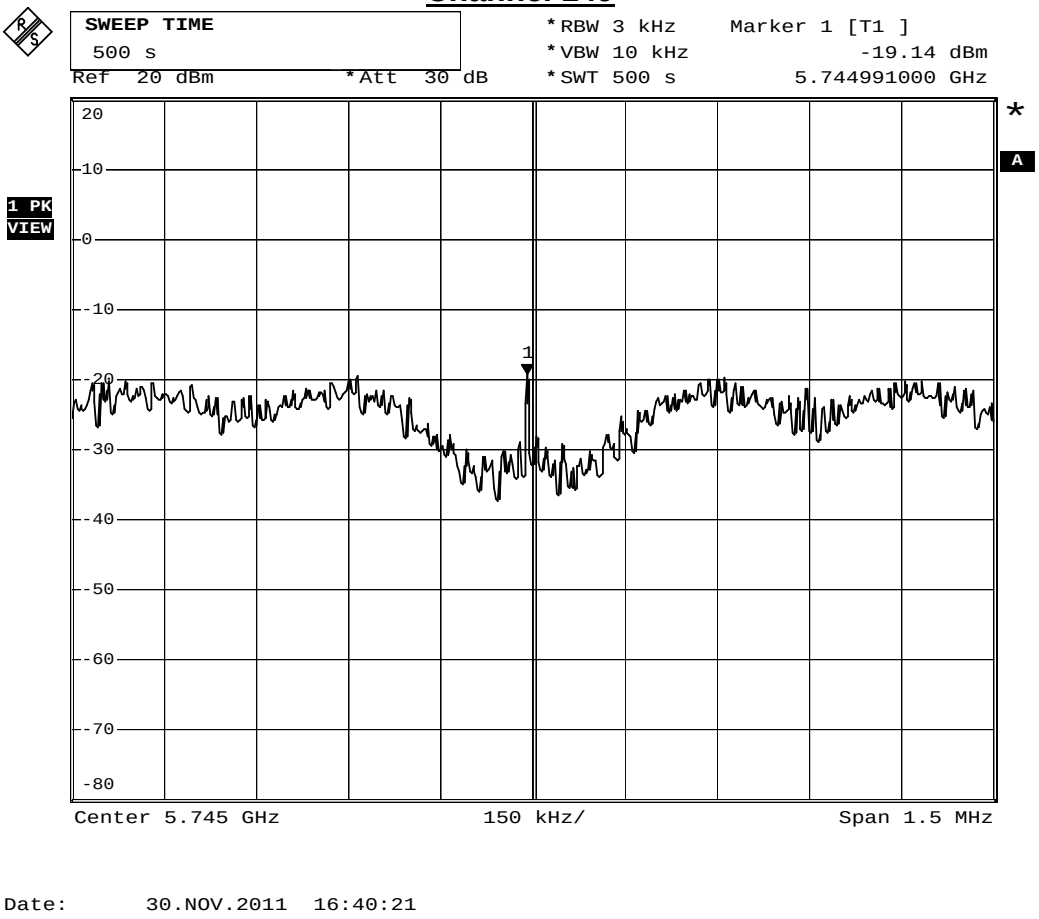


Date: 30.NOV.2011 16:37:21

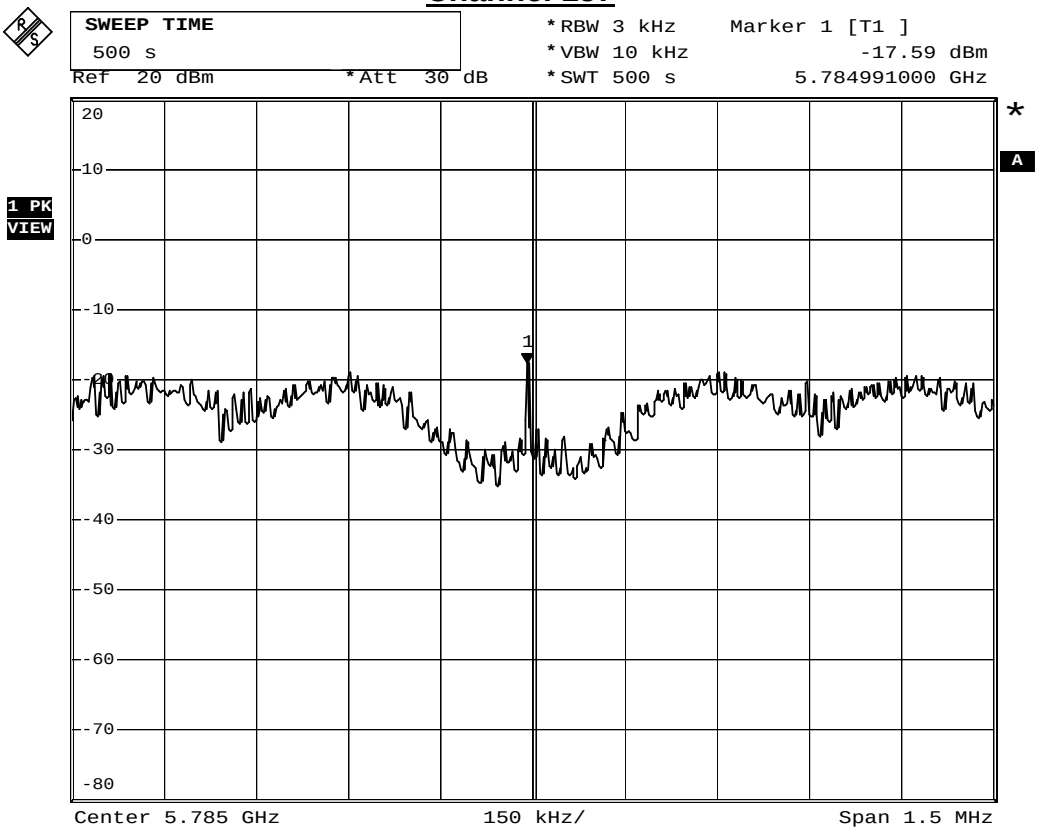
Product	Dual-band Wireless-N Ethernet Adapter		
Test Item	Power Density		
Test Mode	Mode 1: Transmit (Adapter: DVE)		
Date of Test	2011/11/30	Test Site	SR7

IEEE802.11n_20MHz_(ANT 0)				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
149	5745	-19.14	≦8	Pass
157	5785	-17.59	≦8	Pass
165	5825	-17.21	≦8	Pass

Channel 149

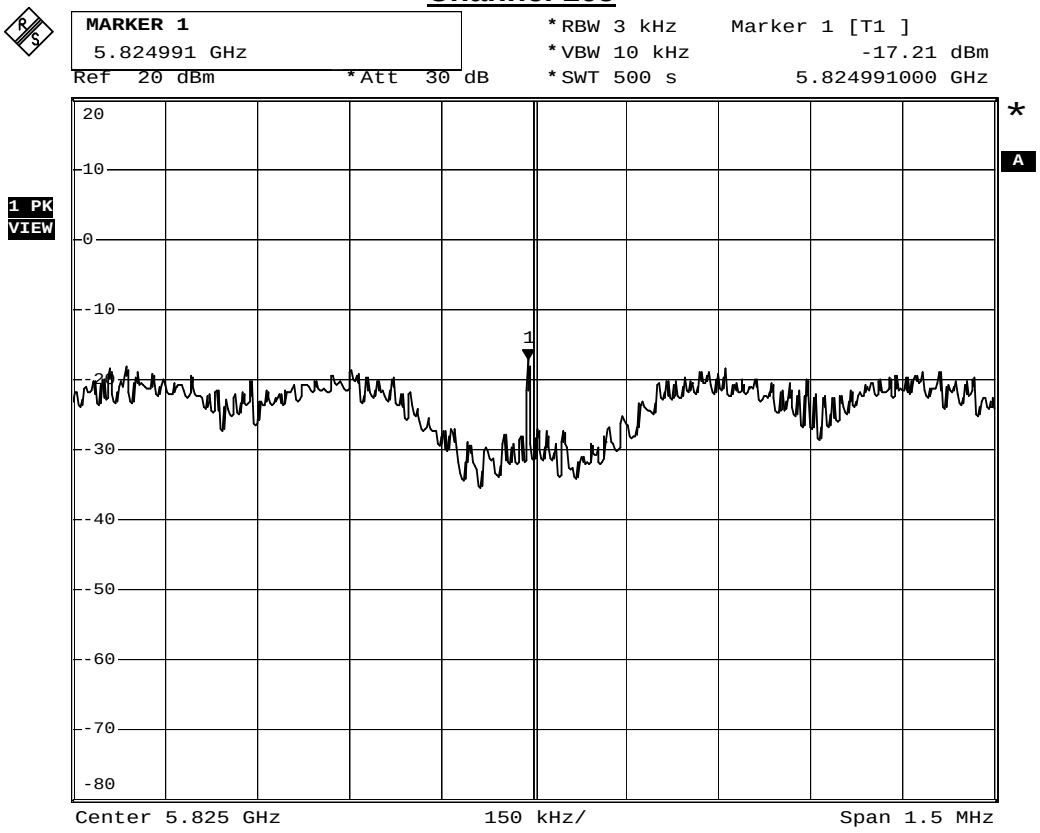


Channel 157



Date: 30.NOV.2011 16:48:32

Channel 165

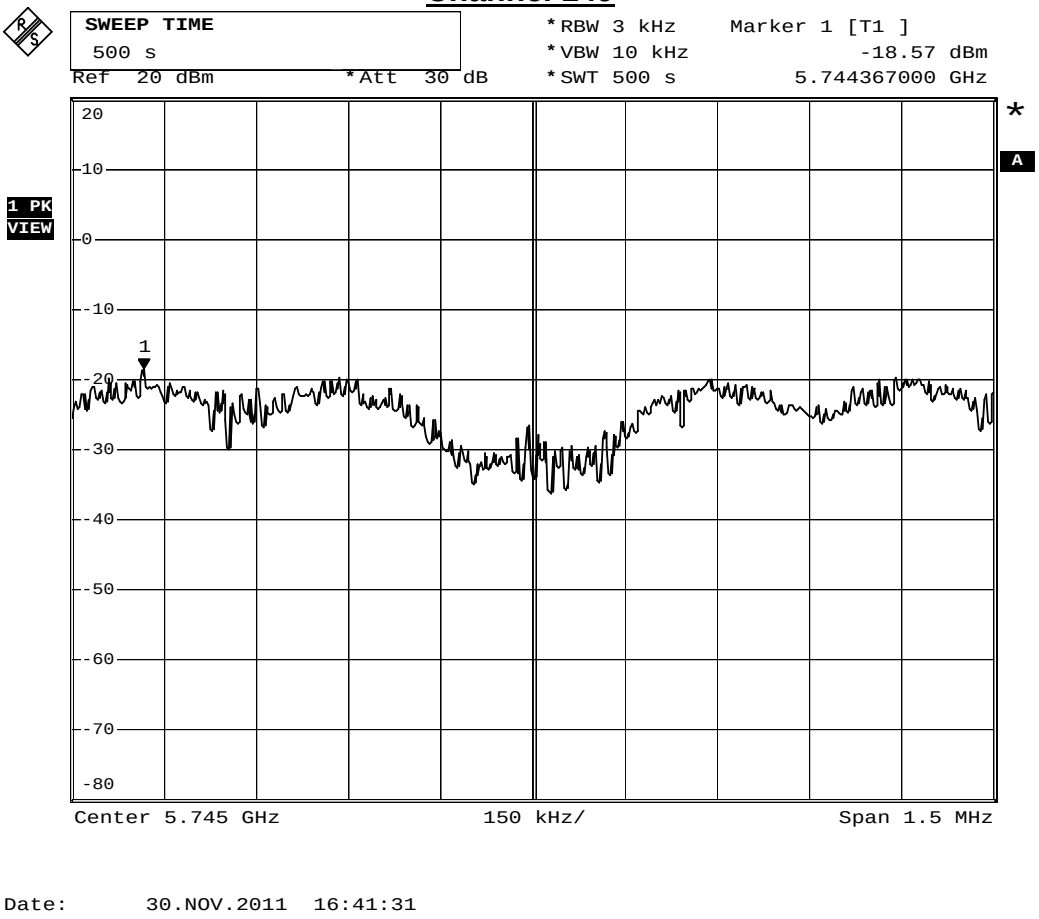


Date: 30.NOV.2011 16:54:29

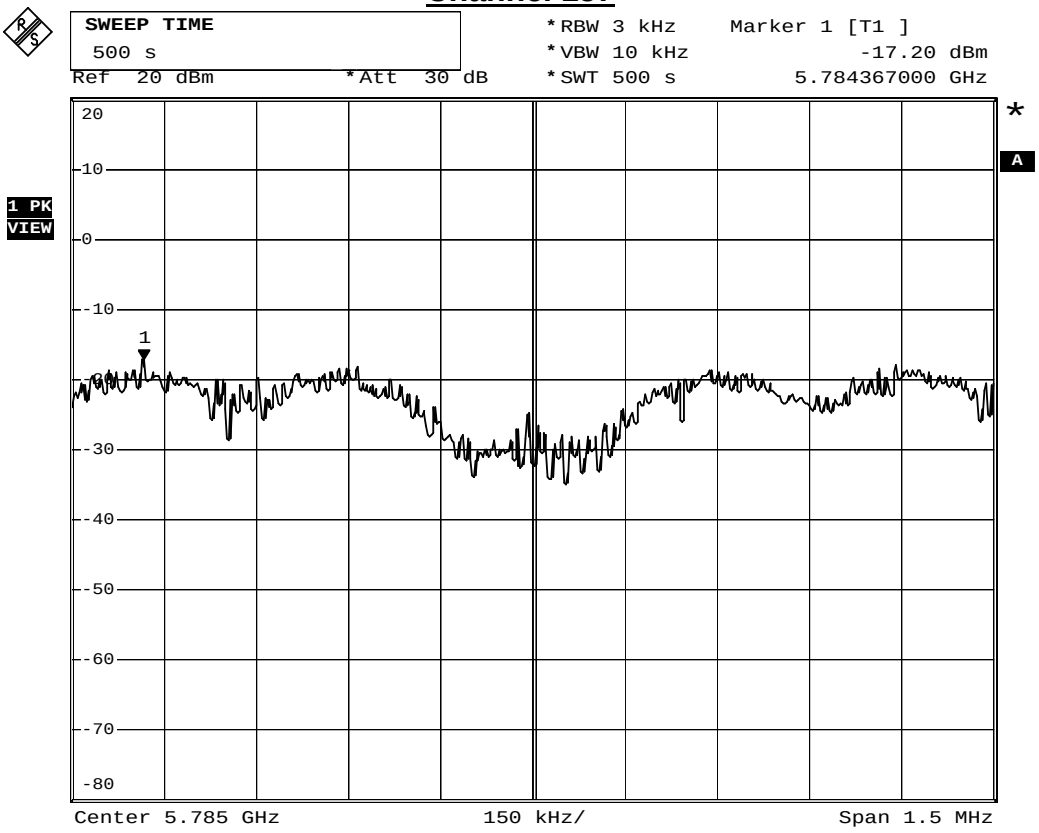
Product	Dual-band Wireless-N Ethernet Adapter		
Test Item	Power Density		
Test Mode	Mode 1: Transmit (Adapter: DVE)		
Date of Test	2011/11/30	Test Site	SR7

IEEE802.11n_20MHz_(ANT 1)				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
149	5745	-18.57	≦8	Pass
157	5785	-17.20	≦8	Pass
165	5825	-18.72	≦8	Pass

Channel 149

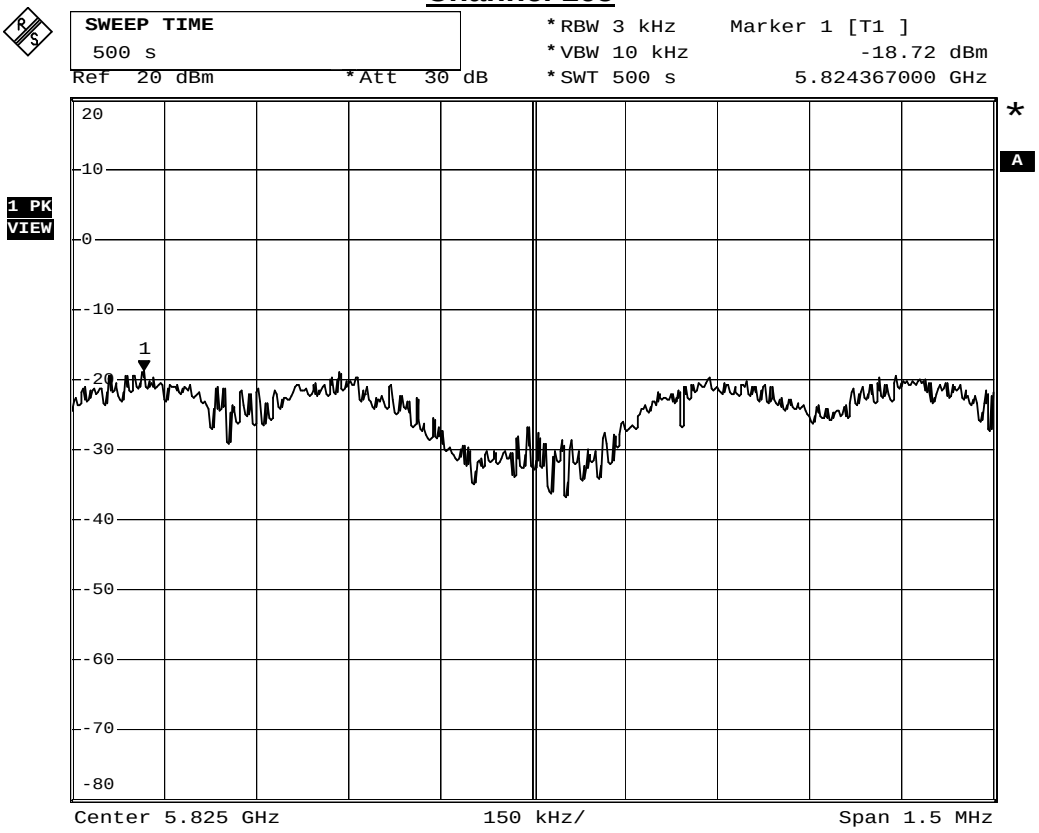


Channel 157



Date: 30.NOV.2011 16:46:33

Channel 165

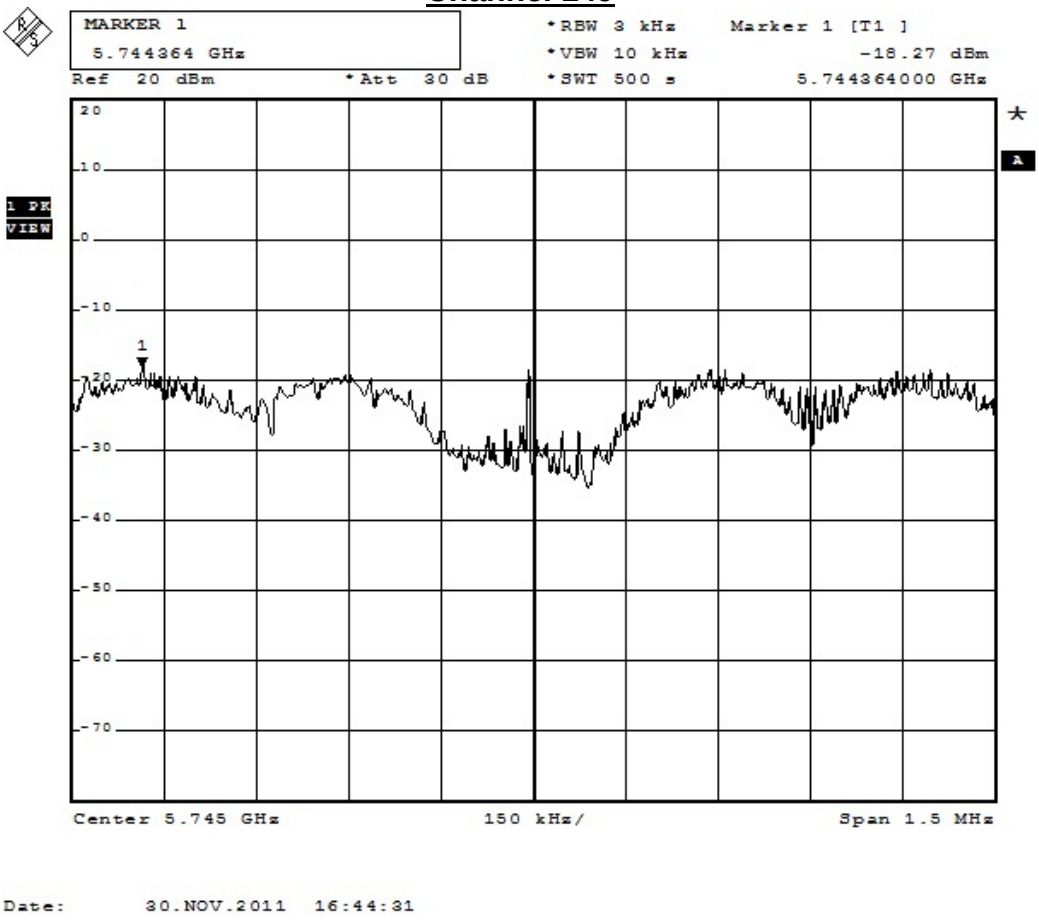


Date: 30.NOV.2011 16:55:31

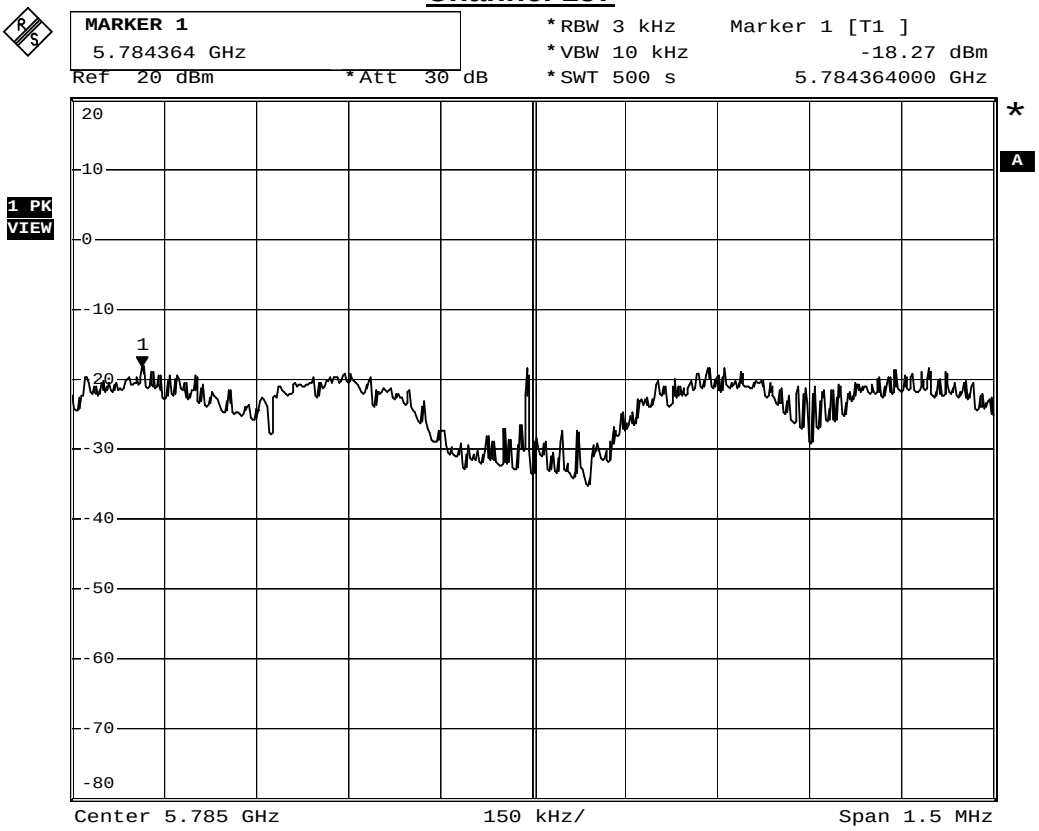
Product	Dual-band Wireless-N Ethernet Adapter		
Test Item	Power Density		
Test Mode	Mode 1: Transmit (Adapter: DVE)		
Date of Test	2011/11/30	Test Site	SR7

IEEE802.11n_20MHz_(ANT 2)				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
149	5745	-18.27	≦8	Pass
157	5785	-18.27	≦8	Pass
165	5825	-18.66	≦8	Pass

Channel 149

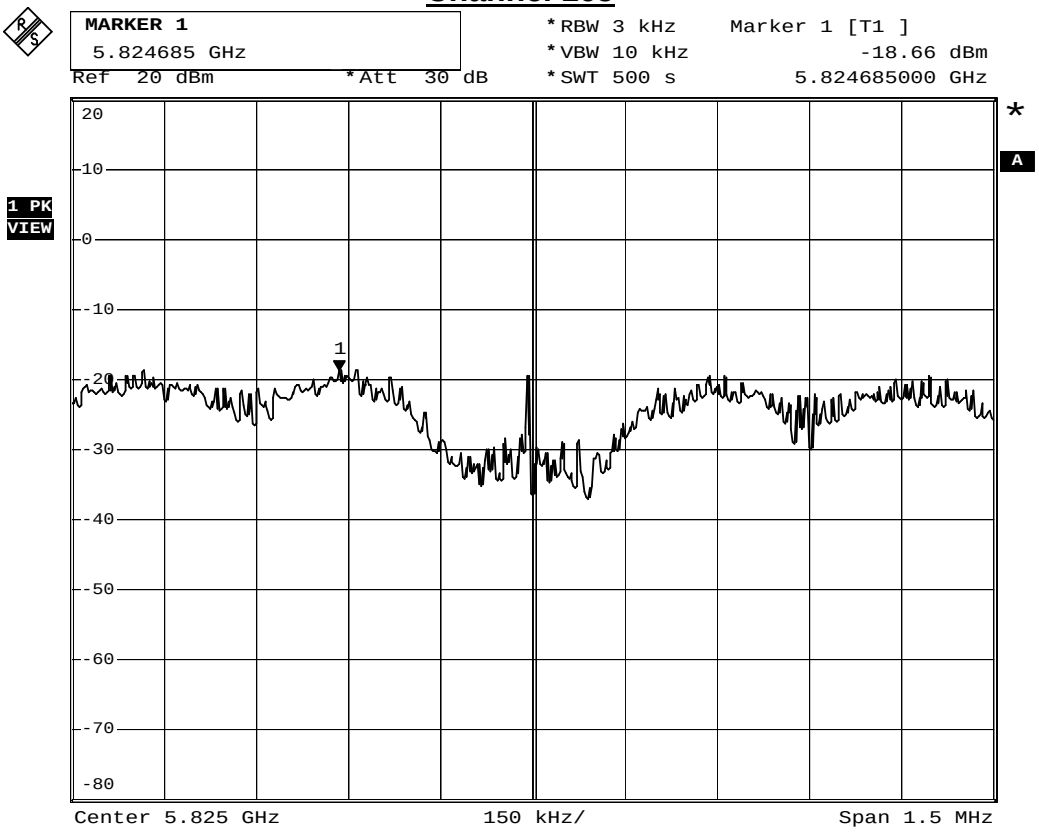


Channel 157



Date: 30.NOV.2011 16:45:56

Channel 165


MARKER 1
5.824685 GHz
*RBW 3 kHz
*VBW 10 kHz
*SWT 500 s
Marker 1 [T1]
-18.66 dBm
5.824685000 GHz
Ref 20 dBm
*Att 30 dB
1 PK
VIEW
A
20
10
0
-10
-20
-30
-40
-50
-60
-70
-80
Center 5.825 GHz
150 kHz/
Span 1.5 MHz
Date: 30.NOV.2011 16:56:35

Product	Dual-band Wireless-N Ethernet Adapter		
Test Item	Power Density		
Test Mode	Mode 1: Transmit (Adapter: DVE)		
Date of Test	2011/11/30	Test Site	SR7

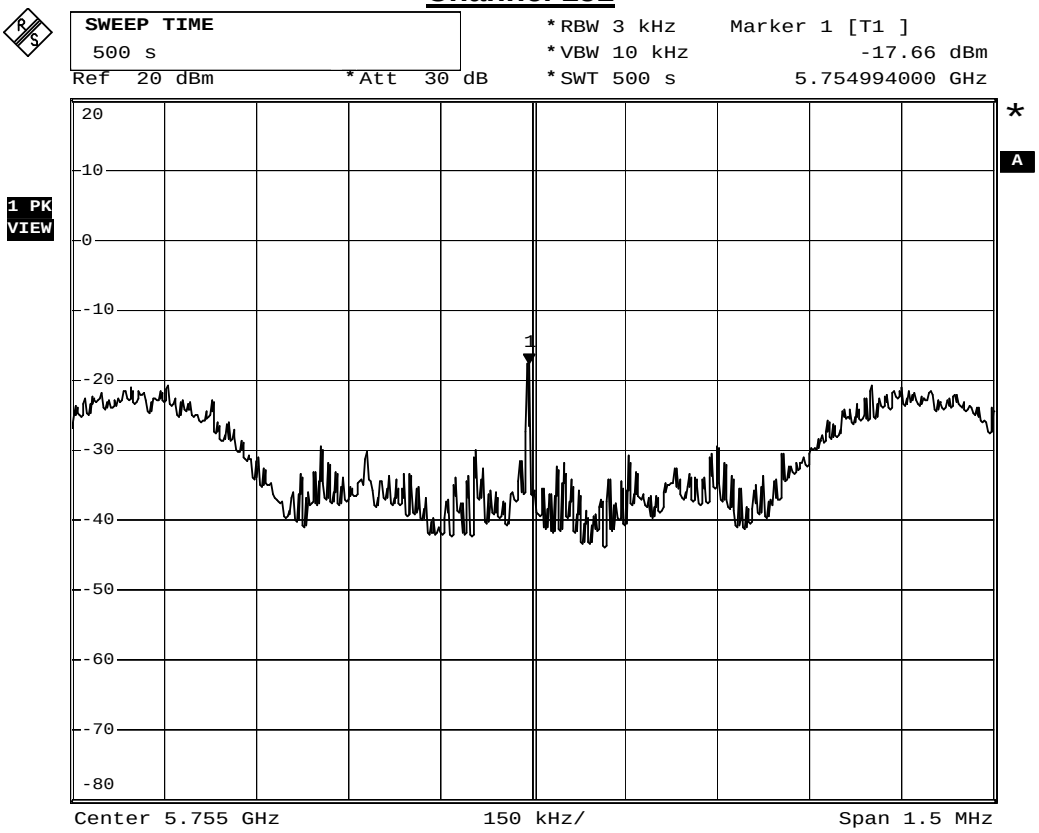
IEEE802.11n 20MHz(ANT 0+1+2)

Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
149	5745	-13.87	≦8	Pass
157	5785	-12.89	≦8	Pass
165	5825	-13.37	≦8	Pass

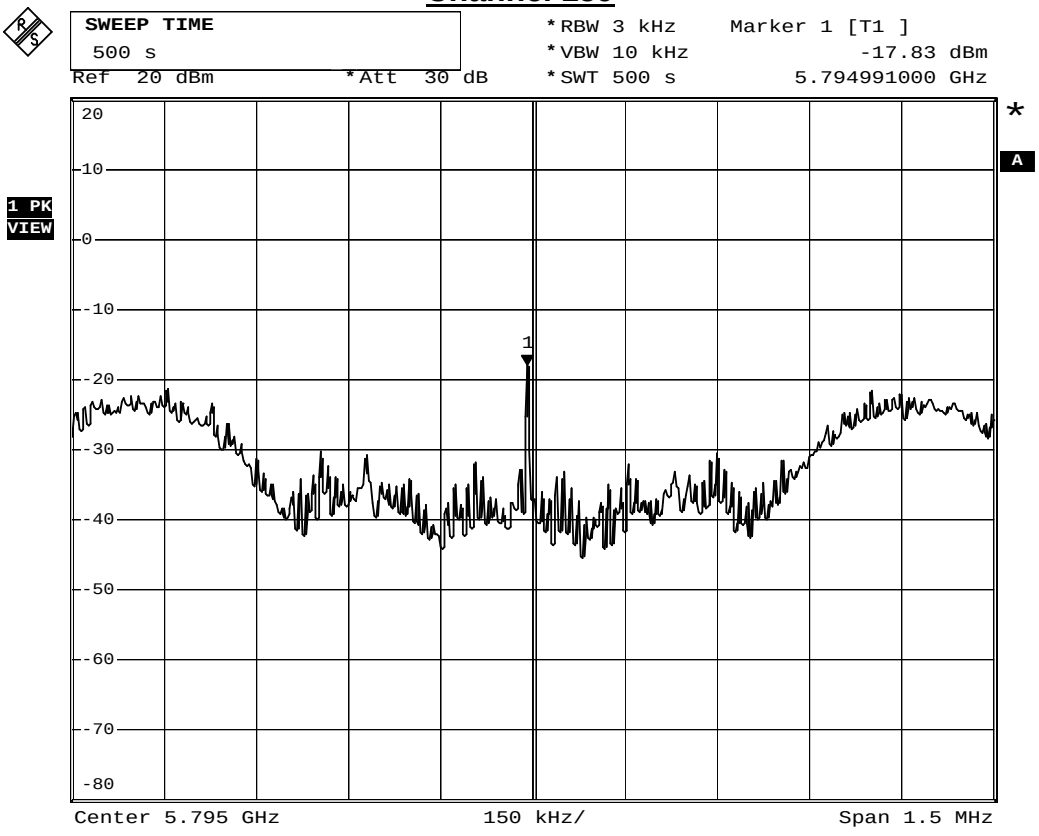
Product	Dual-band Wireless-N Ethernet Adapter		
Test Item	Power Density		
Test Mode	Mode 1: Transmit (Adapter: DVE)		
Date of Test	2011/11/30	Test Site	SR7

IEEE 802.11n_40MHz (ANT 0)				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
151	5755	-17.66	≦8	Pass
159	5795	-17.83	≦8	Pass

Channel 151



Channel 159

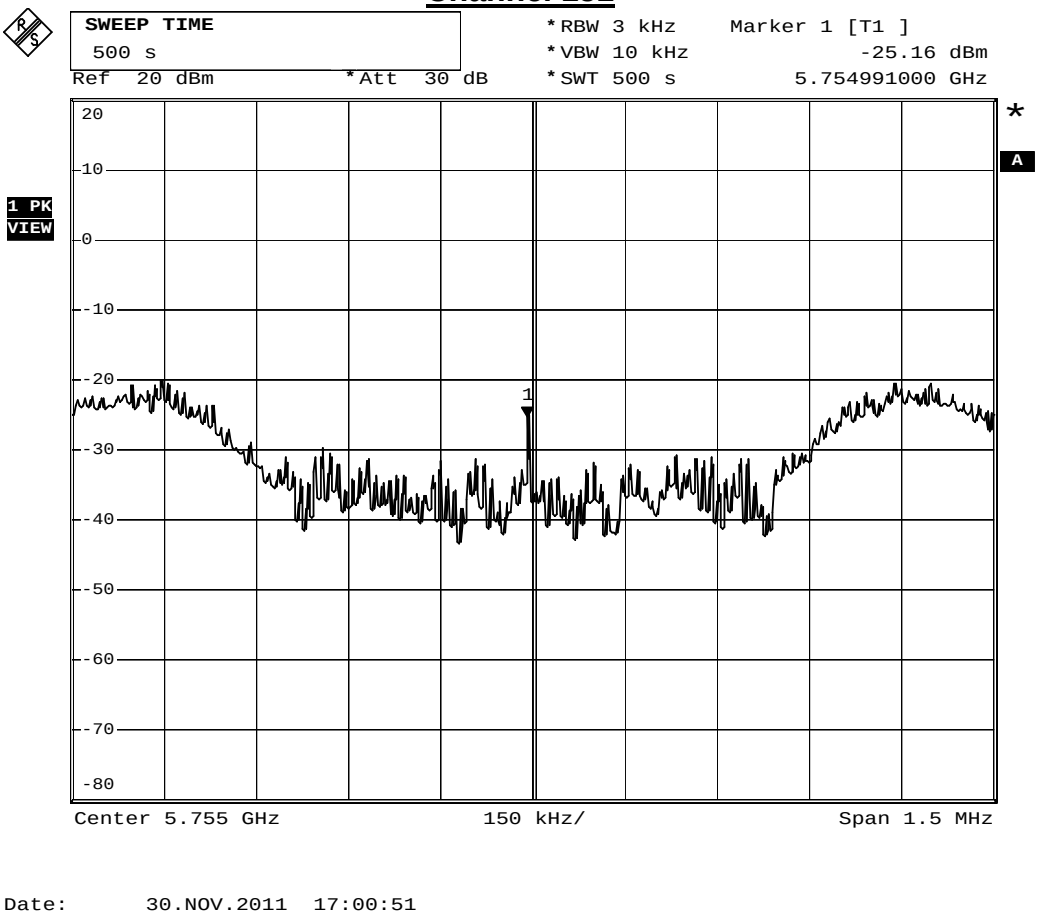


Date: 30.NOV.2011 17:04:40

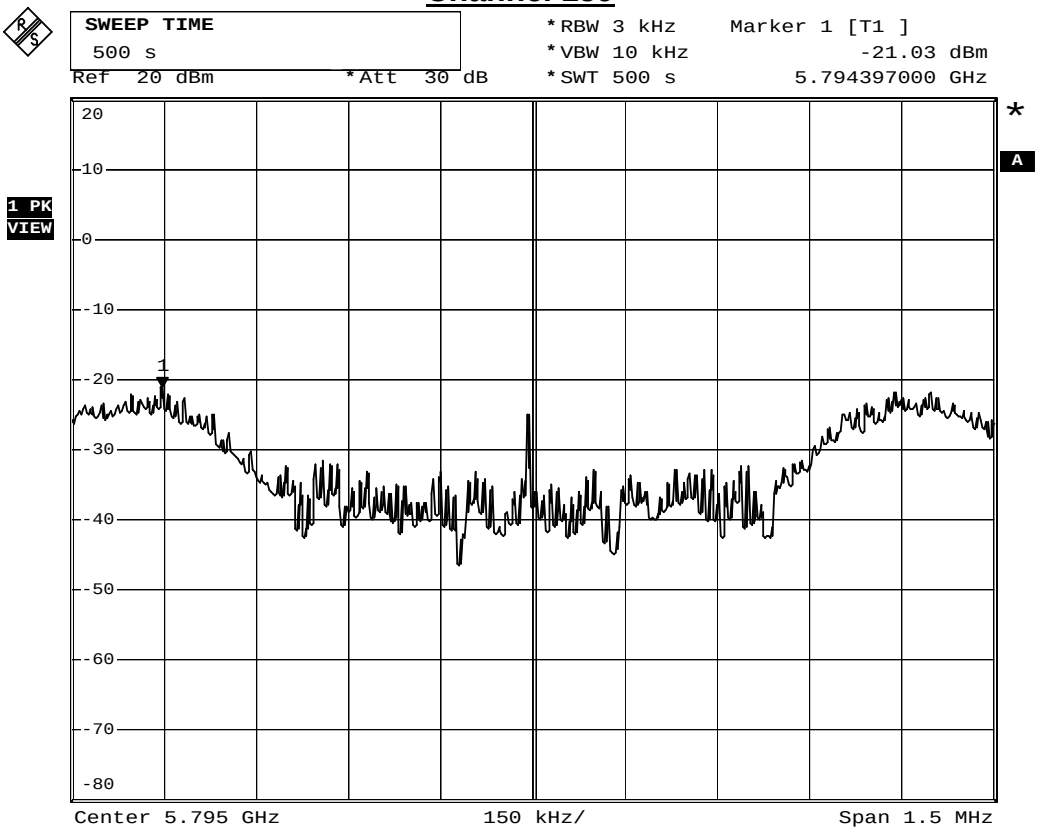
Product	Dual-band Wireless-N Ethernet Adapter		
Test Item	Power Density		
Test Mode	Mode 1: Transmit (Adapter: DVE)		
Date of Test	2011/11/30	Test Site	SR7

IEEE 802.11n_40MHz (ANT 1)				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
151	5755	-25.16	≦8	Pass
159	5795	-21.03	≦8	Pass

Channel 151



Channel 159

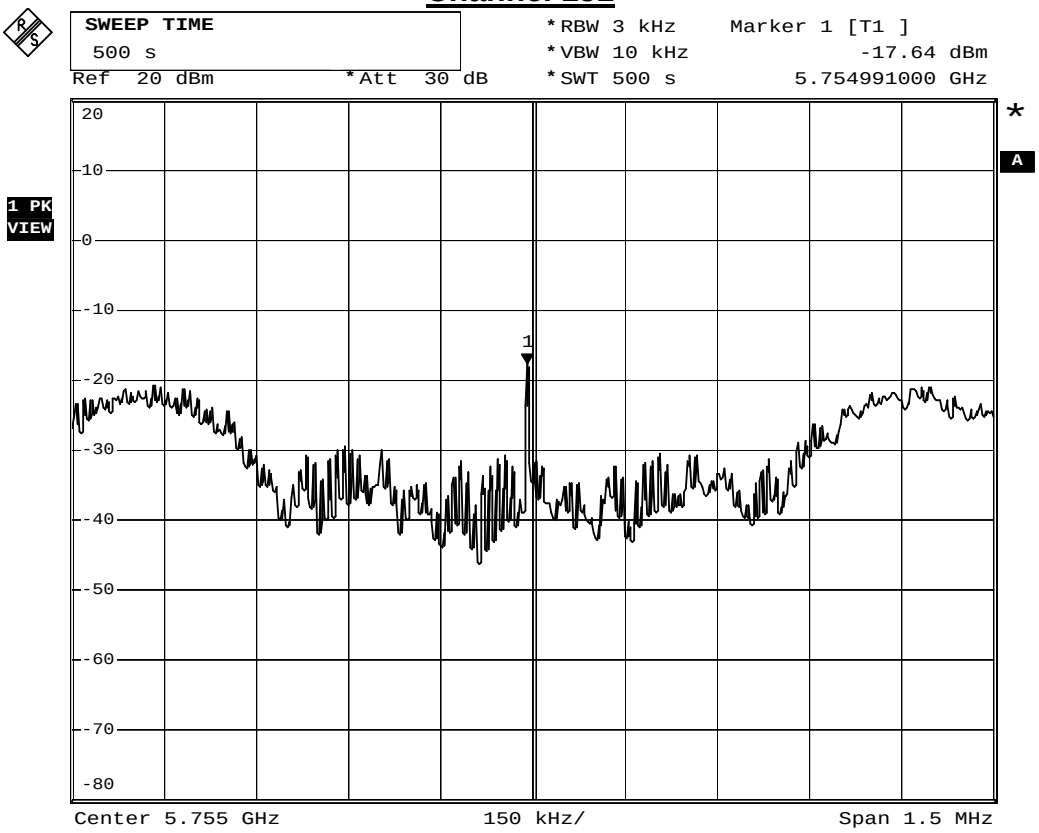


Date: 30.NOV.2011 17:05:38

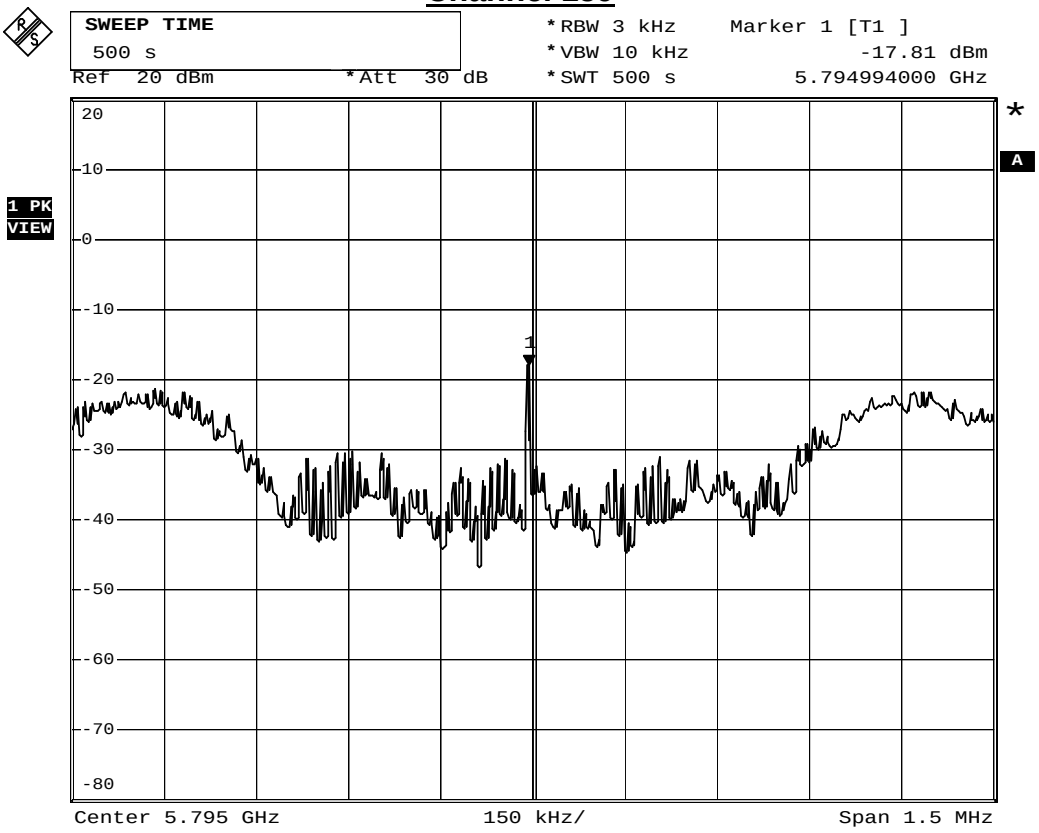
Product	Dual-band Wireless-N Ethernet Adapter		
Test Item	Power Density		
Test Mode	Mode 1: Transmit (Adapter: DVE)		
Date of Test	2011/11/30	Test Site	SR7

IEEE 802.11n_40MHz (ANT 2)				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
151	5755	-17.64	≦8	Pass
159	5795	-17.81	≦8	Pass

Channel 151



Channel 159



Date: 30.NOV.2011 17:06:35

Product	Dual-band Wireless-N Ethernet Adapter		
Test Item	Power Density		
Test Mode	Mode 1: Transmit (Adapter: DVE)		
Date of Test	2011/11/30	Test Site	SR7

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

Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
151	5755	-14.27	≦8	Pass
159	5795	-13.88	≦8	Pass