FC

Test Report

Product Name ： Dual-band Wireless-AC1200 USB Adapter

Model No. ： USB-AC53

FCC ID. ： MSQUSBAC53

Applicant ： ASUSTeK COMPUTER INC.

Address ： 4F, No. 150, Li-Te Rd., Peitou, Taipei, Taiwan, R.O.C.

Date of Receipt ： 2012/10/03

Issued Date ： 2013/02/08

Report No. ： 12A087R-RFUSP42V01

Report Version ： V1.0

Testing Laboratory
1313

Test Report Certification

Issued Date : 2013/02/08
Report No. : 12A087R-RFUSP42V01

Product Name	:	Dual-band Wireless-AC1200 USB Adapter
Applicant	:	ASUSTeK COMPUTER INC.
Address	:	4F, No. 150, Li-Te Rd., Peitou, Taipei, Taiwan, R.O.C.
Manufacturer	:	Askey Technology (Jiangsu) LTD.
Model No.	:	USB-AC53
FCC ID.	:	MSQUSBAC53
EUT Voltage	:	DC 5V (Power by PC)
Trade Name	:	ASUS
Applicable Standard	:	FCC CFR Title 47 Part 15 Subpart C Section 15.247: 2011
		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 :

(Demi Chang / Engineering Adm. Specialist)

Reviewed By :

(Ben Huang / Engineer)

Approved By :

(Roy Wang / Manager)

Laboratory Information

We, **QuieTek Corporation**, are an independent RF consultancy that was established the whole facility in our laboratories. The test facility has been accredited/accepted (audited or listed) by the following related bodies in compliance with ISO 17025 specified testing scopes:

Taiwan R.O.C.	**:**	**TAF, Accreditation Number: 1313**
		NCC, Certificate No : NCC-RCB-07
USA	**:**	**FCC, Registration Number: 365520**
Canada	**:**	**IC, Submission No: 150981**

The related certificate for our laboratories about the test site and management system can be downloaded from QuieTek Corporation's Web Site:http://www.quietek.com/tw/ctg/cts/accreditations.htm
The address and introduction of QuieTek Corporation's laboratories can be founded in our Web site :
http://www.quietek.com/
If you have any comments, Please don't hesitate to contact us. Our contact information is as below:

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LinKou Testing Laboratory:
No.5-22, Ruishukeng, Linkou Dist., New Taipei City 24451, Taiwan, R.O.C.
TEL : 886-2-8601-3788 / FAX : 886-2-8601-3789   E-Mail : service@quietek.com

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1. General Information

1.1. EUT Description

Product Name	Dual-band Wireless-AC1200 USB Adapter
Product Type	WLAN (2TX, 2RX)
Trade Name	ASUS
Model No.	USB-AC53
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
Frequency Range- IEEE 802.11ac (80MHz) _5.8GHz	5775MHz
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
Frequency Range- IEEE 802.11n (40MHz) _5.8GHz	2
Frequency Range- IEEE 802.11ac (80MHz) _5.8GHz	1
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 15 and bandwidth defined in 802.11n
Data Speed (IEEE 802.11ac)	Support a subset of the combination of GI, MCS 0~MCS 9 and bandwidth defined in 802.11ac
Antenna Gain	2dBi (2.4GHz); 4dBi (5GHz)
Channel Control	AUTO
Antenna Type	PIFA

Component	
USB Cable	Shielded, 1.0m

ANT-TX / Rx & Bandwidth

ANT-TX / RX	SINGLE-TX	TWO-TX			RX		
Mode/ Channel Bandwidth	20MHz	20MHz	40MHz	80MHz	20MHz	40MHz	80MHz
IEEE802.11a	✓				✓		
IEEE802.11b	✓				✓		
IEEE802.11g	✓						
IEEE802.11n		✓	✓		✓	✓	
IEEE802.11ac		✓	✓	✓	✓	✓	✓

ANT 0/1 (TX / RX)
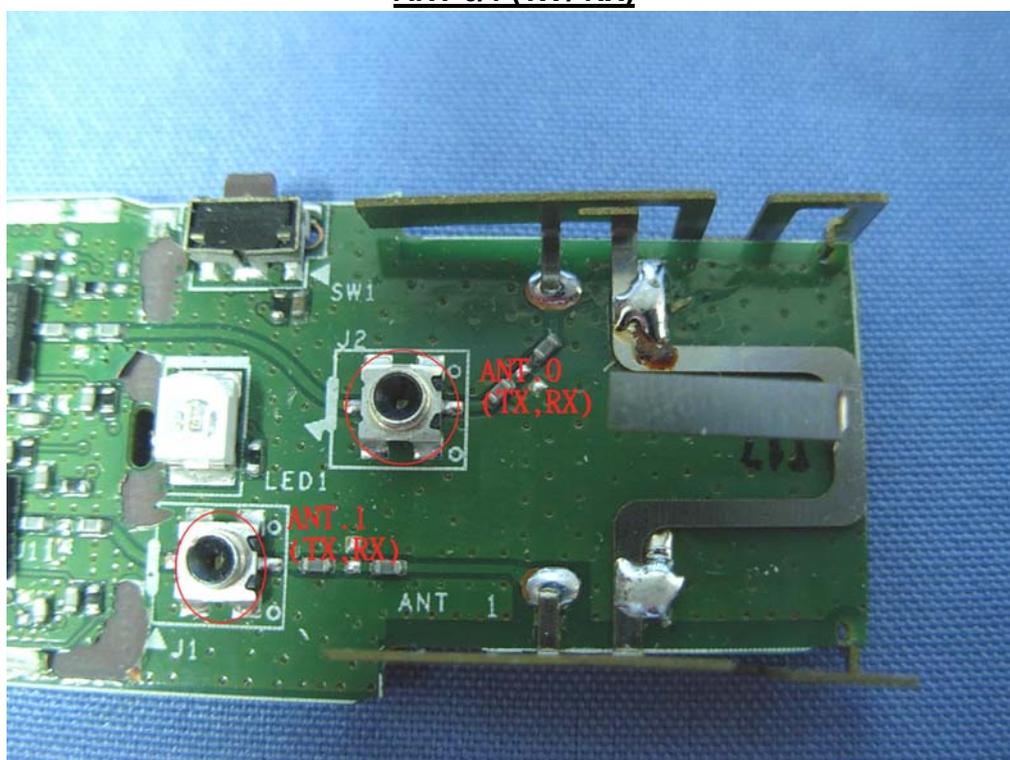
IEEE 802.11n

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

Table 2 – MCS parameters for TX Antenna number = 2

Symbol	Explanation
R	Code rate
N_{BPSC}	Number of coded bits per single carrier
N_{CBPS}	Number of coded bits per symbol
N_{DBPS}	Number of data bits per symbol
GI	guard interval

Draft IEEE 802.11ac Data Rate

Spatial Streams (Note1)	MCS Index	Modulation type	Coding rate	Data Rate(Mb/s)							
				20 MHz		40 MHz		80 MHz		160 MHz	
				Guard Interval		Guard Interval		Guard Interval		Guard Interval	
				800ns	400ns	800ns	400ns	800ns	400ns	800ns	400ns
1	0	BPSK	1/2	6.5	7.2	13.5	15	29.3	32.5	58.5	65
	1	QPSK	1/2	13	14.4	27	30	58.5	65	117	130
	2	QPSK	3/4	19.5	21.7	40.5	45	87.8	97.5	175.5	195
	3	16-QAM	1/2	26	28.9	54	60	117	130	234	260
	4	16-QAM	3/4	39	43.3	81	90	175.5	195	351	390
	5	64-QAM	2/3	52	57.8	108	120	234	260	468	520
	6	64-QAM	3/4	58.5	65	121.5	135	263.3	292.5	526.5	585
	7	64-QAM	5/6	65	72.2	135	150	292.5	325	585	650
	8	256-QAM	3/4	78	86.7	162	180	351	390	702	780
	9	256-QAM	5/6	N/A	N/A	180	200	390	433.3	780	866.7
2	0	BPSK	1/2	13	14.4	27	30	58.6	65	117	130
	1	QPSK	1/2	26	28.8	54	60	117	130	234	260
	2	QPSK	3/4	39	43.4	81	90	175.6	195	351	390
	3	16-QAM	1/2	52	57.8	108	120	234	260	468	520
	4	16-QAM	3/4	78	86.6	162	180	351	390	702	780
	5	64-QAM	2/3	104	115.6	216	240	468	520	936	1040
	6	64-QAM	3/4	117	130	243	270	526.6	585	1053	1170
	7	64-QAM	5/6	130	144.4	270	300	585	650	1170	1300
	8	256-QAM	3/4	156	173.4	324	360	702	780	1404	1560
	9	256-QAM	5/6	N/A	N/A	360	400	780	866.6	1560	1733.4

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				

IEEE 802.11ac (80MHz) - 5.8GHz

Working Frequency of Each Channel			
Channel	Frequency	Channel	Frequency
155	5775 MHz		

Note:

1. This device is a Dual-band Wireless-AC1200 USB Adapter including 2.4GHz b/g/n (2x2) and 5GHz a/n (2x2) transmitting and receiving function.

2. These test results on a sample of the device are for the purpose of demonstrating Compliance with Part 15 Subpart C Paragraph 15.247.

3. Regards to the frequency band operation; the lowest、middle and highest frequency of channel were selected to perform the test, and then shown on this report.

4. The function of the 5.2GHz transmitting is measured and makes a test report of the report number: 12A087R-RFUSP46V01.

5. This device is a composite device in accordance with Part 15 regulations. The receiving function receiving was tested and its test report number is 12A087R-RFUSP37V02 under Declaration of Conformity.

1.3. Test Mode

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

TX	Mode 1: Transmit

Test Items	Mode	Channel	Antenna	Result
Conducted Emission	11n(40MHz)	6	0+1	Complies
	11ac(80MHz)	155	0+1	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	Complies
	11n(40MHz)	3/ 6/ 9/ 151/ 159	0+1	Complies
	11ac(20MHz)	149/ 157/ 165	0+1	Complies
	11ac(40MHz)	151/159	0+1	Complies
	11ac(80MHz)	155	0+1	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	Complies
	11n(40MHz)	3/ 6/ 9/ 151/ 159	0+1	Complies
	11ac(20MHz)	149/ 157/ 165	0+1	Complies
	11ac(40MHz)	151/159	0+1	Complies
	11ac(80MHz)	155	0+1	Complies
RF antenna conducted test	a	149/ 165	0	Complies
	b/g	1/ 11	0	Complies
	11n(20MHz)	1/ 11/ 149/ 165	0/1	Complies
	11n(40MHz)	3/ 9/ 151/ 159	0/1	Complies
	11ac(20MHz)	149/ 165	0/1	Complies
	11ac(40MHz)	151/159	0/1	Complies
	11ac(80MHz)	155	0/1	Complies

Test Items	Mode	Channel	Antenna	Result
Radiated Emission Band Edge	b/g	1/ 11	0	Complies
	11n(20MHz)	1/ 11	0+1	Complies
	11n(40MHz)	3/ 9	0+1	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	Complies
	11n(40MHz)	3/ 6/ 9/ 151/ 159	0/1	Complies
	11ac(20MHz)	149/ 157/ 165	0/1	Complies
	11ac(40MHz)	151/159	0/1	Complies
	11ac(80MHz)	155	0/1	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	Complies
	11n(40MHz)	3/ 6/ 9/ 151/ 159	0+1	Complies
	11ac(20MHz)	149/ 157/ 165	0+1	Complies
	11ac(40MHz)	151/159	0+1	Complies
	11ac(80MHz)	155	0+1	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	Monitor	DELL	U2410f	082WXD-72872-16R-0UNL	DoC	Non-Shielded, 1.8m
3	Mouse	Logitech	M-SBF83	HCA52200174	DoC	--

1.5. Configuration of tested System

Connection Diagram

	Signal Cable Type	Signal cable Description
A	USB Cable	Shielded, 1m
B	VGA Cable	Shielded, 1.8m
C	LAN Cable	Non-Shielded, 10m
D	Mouse Cable	Shielded, 1.8m
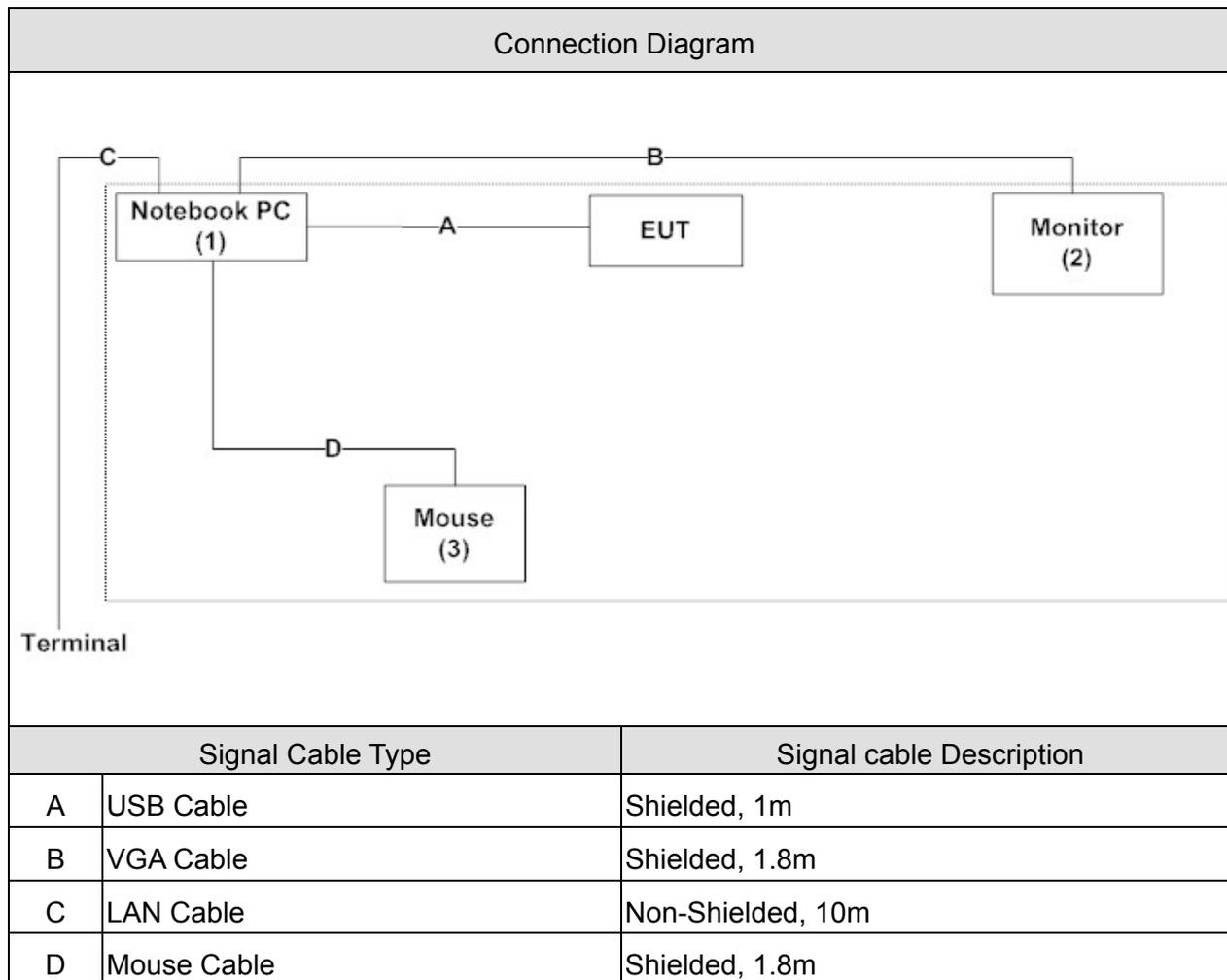
1.6. EUT Exercise Software

1	Setup the EUT as shown in Section 1.5.
2	Execute the test program "Mtool V1.0.0.9" on the Notebook.
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	20
Humidity (%RH)		25 - 75	50
Barometric pressure (mbar)		860 - 1060	950-1000
Temperature (°C)	FCC PART 15 C 15.247 Radiated Emission (DSSS)	15 - 35	20
Humidity (%RH)		25 - 75	50
Barometric pressure (mbar)		860 - 1060	950-1000
Temperature (°C)	FCC PART 15 C 15.247 RF antenna conducted test (DSSS)	15 - 35	20
Humidity (%RH)		25 - 75	50
Barometric pressure (mbar)		860 - 1060	950-1000
Temperature (°C)	FCC PART 15 C 15.247 Band Edge (DSSS)	15 - 35	20
Humidity (%RH)		25 - 75	50
Barometric pressure (mbar)		860 - 1060	950-1000
Temperature (°C)	FCC PART 15 C 15.247 Occupied Bandwidth (DSSS)	15 - 35	20
Humidity (%RH)		25 - 75	50
Barometric pressure (mbar)		860 - 1060	950-1000
Temperature (°C)	FCC PART 15 C 15.247 Power Density (DSSS)	15 - 35	20
Humidity (%RH)		25 - 75	50
Barometric pressure (mbar)		860 - 1060	950-1000

2. Conducted Emission

2.1. Test Equipment

The following test equipments are used during the test:

Conducted Emission / SR3

Instrument	Manufacturer	Model No.	Serial No	Next Cal. Date
LISN	R&S	ENV216	100096	2013/08/12
LISN	R&S	ESH3-Z5	836679/022	2013/02/06
Test Receiver	R&S	ESCS 30	825442/017	2013/01/01

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

2.2. Test Setup
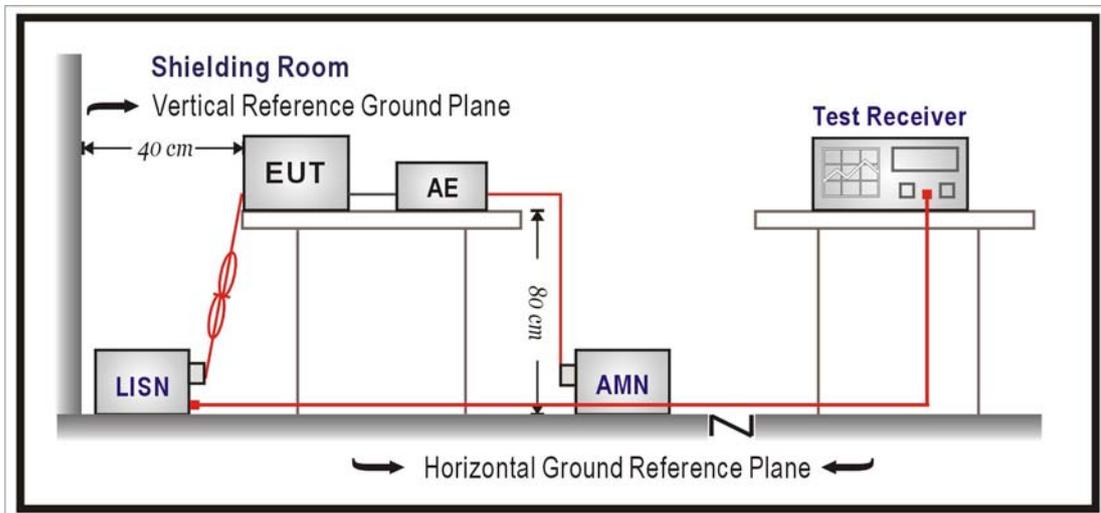
2.3. Limits

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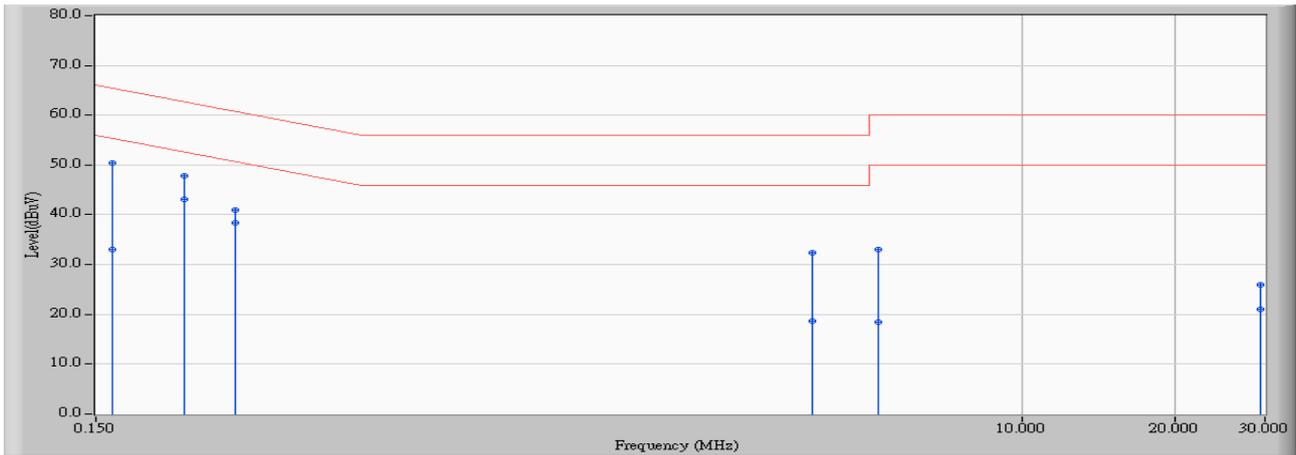
2.5. Test Specification

According to FCC Part 15 Subpart C Paragraph 15.207: 2011

2.6. Uncertainty

The measurement uncertainty is defined as ± 2.26 dB.

2.7. Test Result

Site : SR3	Time : 2012/12/13 - 10:24
Limit : CISPR_B_00M_QP	Margin : 10
Probe : SR3_LISN(16A)-2_0813 - Line1	Power : AC 120V/60Hz
EUT : Dual-band Wireless-AC1200 USB Adapter	Note : Mode 1: Transmit-2437MHz_802.11n(40M)

		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1		0.162	9.785	40.650	50.435	-14.940	65.375	QUASIPEAK
2		0.162	9.785	23.270	33.055	-22.320	55.375	AVERAGE
3		0.224	9.672	38.190	47.862	-14.799	62.661	QUASIPEAK
4	*	0.224	9.672	33.510	43.182	-9.479	52.661	AVERAGE
5		0.283	9.705	31.350	41.055	-19.677	60.733	QUASIPEAK
6		0.283	9.705	28.780	38.485	-12.247	50.733	AVERAGE
7		3.853	10.068	22.350	32.418	-23.582	56.000	QUASIPEAK
8		3.853	10.068	8.620	18.688	-27.312	46.000	AVERAGE
9		5.216	10.110	22.930	33.040	-26.960	60.000	QUASIPEAK
10		5.216	10.110	8.330	18.440	-31.560	50.000	AVERAGE
11		29.392	10.096	15.860	25.956	-34.044	60.000	QUASIPEAK
12		29.392	10.096	10.940	21.036	-28.964	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.

![QuieTek logo]

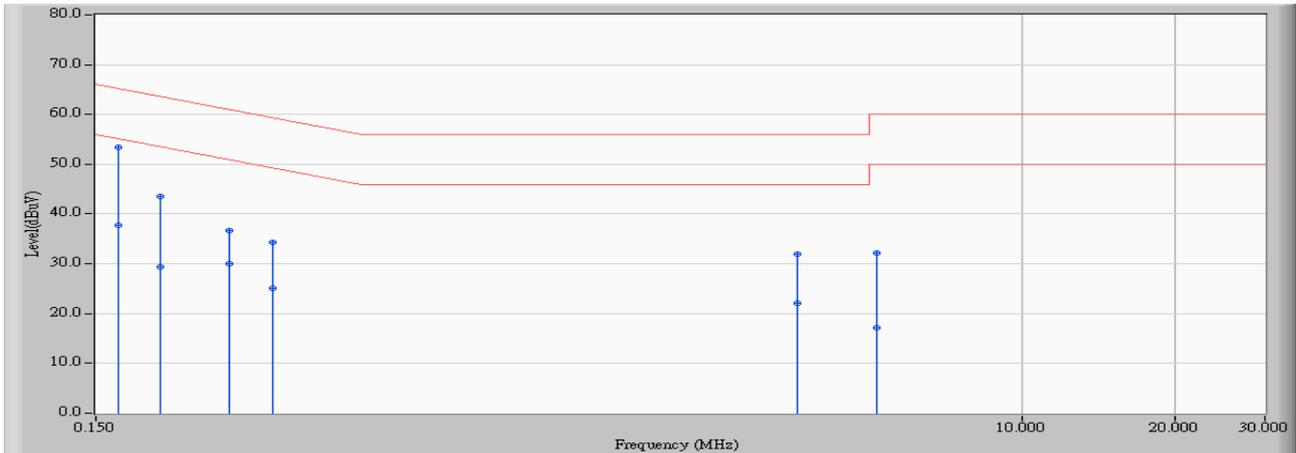|	
Site : SR3	Time : 2012/12/13 - 10:27
Limit : CISPR_B_00M_QP	Margin : 10
Probe : SR3_LISN(16A)-2_0813 - Line2	Power : AC 120V/60Hz
EUT : Dual-band Wireless-AC1200 USB Adapter	Note : Mode 1: Transmit-2437MHz_802.11n(40M)

		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1	*	0.166	9.642	43.710	53.352	-11.825	65.177	QUASIPEAK
2		0.166	9.642	28.140	37.782	-17.395	55.177	AVERAGE
3		0.201	9.658	33.970	43.629	-19.949	63.578	QUASIPEAK
4		0.201	9.658	19.810	29.469	-24.109	53.578	AVERAGE
5		0.275	9.697	26.900	36.597	-24.368	60.966	QUASIPEAK
6		0.275	9.697	20.370	30.067	-20.898	50.966	AVERAGE
7		0.334	9.727	24.630	34.358	-25.004	59.361	QUASIPEAK
8		0.334	9.727	15.320	25.048	-24.314	49.361	AVERAGE
9		3.615	10.010	21.870	31.880	-24.120	56.000	QUASIPEAK
10		3.615	10.010	11.990	22.000	-24.000	46.000	AVERAGE
11		5.150	10.077	22.160	32.237	-27.763	60.000	QUASIPEAK
12		5.150	10.077	7.140	17.217	-32.783	50.000	AVERAGE

Note:

1. All Reading Levels are Quasi-Peak and average value.

2. " * ", means this data is the worst emission level.

3. Measurement Level = Reading Level + Correct Factor.

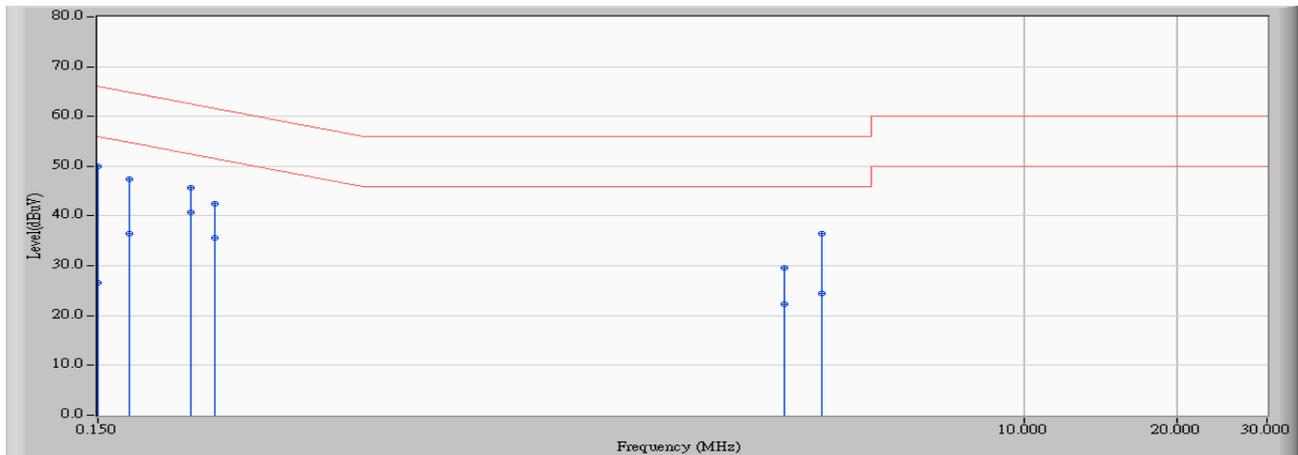| Site : SR3	Time : 2012/12/13 - 10:55
Limit : CISPR_B_00M_QP	Margin : 10
Probe : SR3_LISN(16A)-2_0813 - Line1	Power : AC 120V/60Hz
EUT : Dual-band Wireless-AC1200 USB Adapter	Note : Mode 1: Transmit-5775MHz_802.11ac(80M)

		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1		0.150	9.827	40.160	49.987	-16.013	66.000	QUASIPEAK
2		0.150	9.827	16.810	26.637	-29.363	56.000	AVERAGE
3		0.173	9.748	37.620	47.368	-17.427	64.794	QUASIPEAK
4		0.173	9.748	26.660	36.408	-18.387	54.794	AVERAGE
5		0.228	9.674	36.030	45.704	-16.814	62.518	QUASIPEAK
6	*	0.228	9.674	31.100	40.774	-11.744	52.518	AVERAGE
7		0.255	9.690	32.860	42.550	-19.028	61.577	QUASIPEAK
8		0.255	9.690	26.010	35.700	-15.878	51.577	AVERAGE
9		3.361	10.039	19.640	29.679	-26.321	56.000	QUASIPEAK
10		3.361	10.039	12.360	22.399	-23.601	46.000	AVERAGE
11		3.998	10.077	26.410	36.486	-19.514	56.000	QUASIPEAK
12		3.998	10.077	14.480	24.556	-21.444	46.000	AVERAGE

Note:

1. All Reading Levels are Quasi-Peak and average value.

2. " * ", means this data is the worst emission level.

3. Measurement Level = Reading Level + Correct Factor.

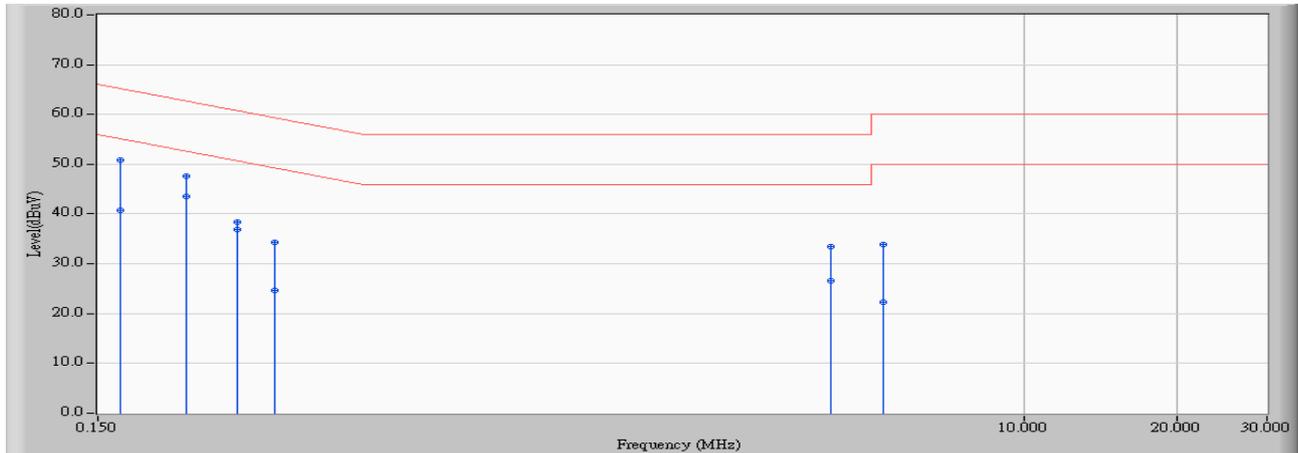| Site : SR3	Time : 2012/12/13 - 10:56
Limit : CISPR_B_00M_QP	Margin : 10
Probe : SR3_LISN(16A)-2_0813 - Line2	Power : AC 120V/60Hz
EUT : Dual-band Wireless-AC1200 USB Adapter	Note : Mode 1: Transmit-5775MHz_802.11ac(80M)

		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1		0.166	9.642	41.090	50.732	-14.445	65.177	QUASIPEAK
2		0.166	9.642	31.070	40.712	-14.465	55.177	AVERAGE
3		0.224	9.671	37.910	47.581	-15.080	62.661	QUASIPEAK
4	*	0.224	9.671	33.960	43.631	-9.030	52.661	AVERAGE
5		0.283	9.701	28.590	38.291	-22.442	60.733	QUASIPEAK
6		0.283	9.701	27.140	36.841	-13.892	50.733	AVERAGE
7		0.334	9.727	24.550	34.278	-25.084	59.361	QUASIPEAK
8		0.334	9.727	15.010	24.738	-24.624	49.361	AVERAGE
9		4.166	10.034	23.510	33.545	-22.455	56.000	QUASIPEAK
10		4.166	10.034	16.530	26.565	-19.435	46.000	AVERAGE
11		5.287	10.079	23.870	33.949	-26.051	60.000	QUASIPEAK
12		5.287	10.079	12.280	22.359	-27.641	50.000	AVERAGE

Note:

1. All Reading Levels are Quasi-Peak and average value.

2. " * ", means this data is the worst emission level.

3. Measurement Level = Reading Level + Correct Factor.

3. Peak Power Output

3.1. Test Equipment

The following test equipments are used during the test:

Peak Power / SR7

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

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

3.2. Test Setup
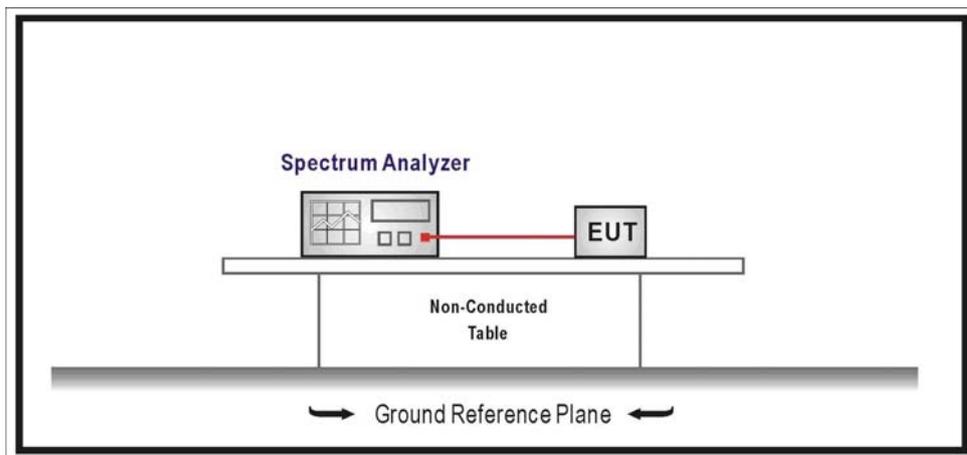
3.3. Test procedures

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

3.4. Limits

The maximum peak power shall be less 1 Watt.

3.5. Test Specification

According to FCC Part 15 Subpart C Paragraph 15.247: 2011

3.6. Uncertainty

The measurement uncertainty is defined as ± 1.27 dB.

3.7. Test Result

Product	Dual-band Wireless-AC1200 USB Adapter		
Test Item	Peak Power Output		
Test Mode	Mode 1: Transmit		
Date of Test	2013/01/30	Test Site	SR7

IEEE 802.11b

Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
1	2412	17.22	≦30	Pass
6	2437	17.80	≦30	Pass
11	2462	18.08	≦30	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	17.22	--	--	-	30 dBm
6	2437	17.80	17.78	17.68	17.69	30 dBm
11	2462	18.08	--	--	-	30 dBm

Note: Measure Level =Reading value + cable loss

QuieTek

Channel 1

| Agilent Spectrum Analyzer - Channel Power | | | | | |

50 Ω · AC · SENSE:INT · ALIGN AUTO · 03:46:09 PM Jan 30, 2013

Center Freq 2.412000000 GHz

Input: RF

#IFGain:Low

Center Freq: 2.412000000 GHz · Radio Std: None
Trig: Free Run · Avg|Hold:>10/10
#Atten: 30 dB · Ext Gain: -2.50 dB · Radio Device: BTS

Freq / Channel

10 dB/div **Ref 30 dBm**
Log

Center 2.412 GHz   **Span 26 MHz**
#Res BW 1 MHz   **#VBW 3 MHz**   **#Sweep 100 ms**

Center Freq
2.412000000 GHz

CF Step
2.600000 MHz
Auto   Man

Channel Power

17.22 dBm/ 10.5 MHz

Power Spectral Density

-53.00 dBm/Hz

MSG   STATUS

Channel 6

Agilent Spectrum Analyzer - Channel Power

| | 50 Ω | | | AC | SENSE:INT | | ALIGN AUTO | 03:50:21 PM Jan 30, 2013 |

Center Freq 2.437000000 GHz

Input: RF

#IFGain:Low

Center Freq: 2.437000000 GHz
Trig: Free Run
#Atten: 30 dB

Avg|Hold:>10/10
Ext Gain: -2.50 dB

Radio Std: None

Radio Device: BTS

Freq / Channel

10 dB/div
Log

Ref 30 dBm

20
10
0
-10
-20
-30
-40
-50
-60

Center 2.437 GHz
#Res BW 1 MHz

#VBW 3 MHz

Span 26 MHz
#Sweep 100 ms

Center Freq
2.437000000 GHz

CF Step
2.600000 MHz
Auto   Man

Channel Power

17.80 dBm/ 10.6 MHz

Power Spectral Density

-52.45 dBm/Hz

MSG

STATUS

Channel 11

Agilent Spectrum Analyzer - Channel Power						
LXI	50 Ω		AC	SENSE:INT	ALIGN AUTO	03:50:51 PM Jan 30, 2013

Center Freq 2.462000000 GHz

Input: RF   #IFGain:Low

Center Freq: 2.462000000 GHz   Radio Std: None
Trig: Free Run   Avg|Hold:>10/10
#Atten: 30 dB   Ext Gain: -2.50 dB   Radio Device: BTS

Freq / Channel

10 dB/div
Log   **Ref 30 dBm**

20
10
0
-10
-20
-30
-40
-50
-60

Center 2.462 GHz   Span 26 MHz
#Res BW 1 MHz   #VBW 3 MHz   #Sweep 100 ms

Center Freq
2.462000000 GHz

CF Step
2.600000 MHz
Auto   Man

Channel Power   **Power Spectral Density**

18.08 dBm/ 10.6 MHz   **-52.17** dBm/Hz

MSG   STATUS

Product	Dual-band Wireless-AC1200 USB Adapter		
Test Item	Peak Power Output		
Test Mode	Mode 1: Transmit		
Date of Test	2013/01/30	Test Site	SR7

IEEE 802.11g

Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
1	2412	26.28	≦30	Pass
6	2437	25.69	≦30	Pass
11	2462	25.24	≦30	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	26.28	--	--	-	--	--	-	30 dBm
6	2437	25.69	25.63	25.61	25.58	25.55	25.52	25.51	30 dBm
11	2462	25.24	--	--	-	--	--	-	30 dBm

Note: Measure Level =Reading value + cable loss

Channel 1

Agilent Spectrum Analyzer - Channel Power

| | 50 Ω | | AC | SENSE:INT | | ALIGN AUTO | 03:53:53 PM Jan 30, 2013 |

Center Freq 2.412000000 GHz

Input: RF

#IFGain:Low

Center Freq: 2.412000000 GHz   Radio Std: None
Trig: Free Run   Avg|Hold:>10/10   Radio Device: BTS
#Atten: 30 dB   Ext Gain: -2.50 dB

Freq / Channel

10 dB/div   **Ref 30 dBm**

Log

20

10

0

-10

-20

-30

-40

-50

-60

Center 2.412 GHz **Span 26 MHz**

#Res BW 1 MHz **#VBW 3 MHz** **#Sweep 100 ms**

Center Freq
2.412000000 GHz

CF Step
2.600000 MHz
Auto   Man

Channel Power **Power Spectral Density**

26.28 dBm/ 16.6 MHz **-45.92** dBm/Hz

MSG   STATUS

Channel 6

Agilent Spectrum Analyzer - Channel Power

| 50 Ω | | AC | SENSE:INT | ALIGN AUTO | 03:54:23 PM Jan 30, 2013 |

Center Freq 2.437000000 GHz

Input: RF
#IFGain:Low

Center Freq: 2.437000000 GHz
Trig: Free Run
#Atten: 30 dB

Avg|Hold:>10/10
Ext Gain: -2.50 dB

Radio Std: None
Radio Device: BTS

Freq / Channel

10 dB/div   Ref 30 dBm
Log

Center 2.437 GHz   Span 26 MHz
#Res BW 1 MHz   #VBW 3 MHz   #Sweep 100 ms

Center Freq
2.437000000 GHz

CF Step
2.600000 MHz
Auto   Man

Channel Power   **Power Spectral Density**

25.69 dBm/ 16.6 MHz   -46.51 dBm/Hz

MSG   STATUS

Channel 11

Product	Dual-band Wireless-AC1200 USB Adapter		
Test Item	Peak Power Output		
Test Mode	Mode 1: Transmit		
Date of Test	2013/01/30	Test Site	SR7

IEEE 802.11n 20MHz (ANT 0)

Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
1	2412	25.18	≦30	Pass
6	2437	24.12	≦30	Pass
11	2462	23.94	≦30	Pass

The worst emission of data rate is 13 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	25.18	--	--	-	--	--	-	--	30dBm
6	2437	24.12	24.11	24.10	23.98	23.97	23.95	23.92	23.91	30dBm
11	2462	23.94	--	--	-	--	--	-	--	30dBm

Channel 1

Agilent Spectrum Analyzer - Channel Power

| 50 Ω | | AC | SENSE:INT | | ALIGN AUTO | 03:56:10 PM Jan 30, 2013 |

Center Freq 2.412000000 GHz
Input: RF
#IFGain:Low

Center Freq: 2.412000000 GHz
Trig: Free Run
#Atten: 30 dB

Avg|Hold:>10/10
Ext Gain: -2.50 dB

Radio Std: None
Radio Device: BTS

Freq / Channel

Center Freq
2.412000000 GHz

10 dB/div   Ref 30 dBm
Log

Center 2.412 GHz
#Res BW 1 MHz

Span 26 MHz
#VBW 3 MHz   #Sweep 100 ms

CF Step
2.600000 MHz
Auto   Man

Channel Power

25.18 dBm/ 17.9 MHz

Power Spectral Density

-47.34 dBm/Hz

MSG   STATUS

Channel 6

Agilent Spectrum Analyzer - Channel Power

| | 50 Ω | | AC | SENSE:INT | | ALIGN AUTO | 03:57:17 PM Jan 30, 2013 |

Center Freq 2.437000000 GHz

Input: RF
#IFGain:Low

Center Freq: 2.437000000 GHz
Trig: Free Run
#Atten: 30 dB

Avg|Hold:>10/10
Ext Gain: -2.50 dB

Radio Std: None

Radio Device: BTS

10 dB/div   **Ref 30 dBm**
Log

Center 2.437 GHz
#Res BW 1 MHz

Span 26 MHz
#VBW 3 MHz
#Sweep 100 ms

Channel Power

24.12 dBm/ 17.9 MHz

Power Spectral Density

-48.41 dBm/Hz

Freq / Channel

Center Freq
2.437000000 GHz

CF Step
2.600000 MHz
Auto   Man

MSG   STATUS

Channel 11

Agilent Spectrum Analyzer - Channel Power	

50 Ω   AC   SENSE:INT   ALIGN AUTO   03:57:53 PM Jan 30, 2013

Center Freq 2.462000000 GHz
Input: RF
#IFGain:Low

Center Freq: 2.462000000 GHz   Radio Std: None
Trig: Free Run   Avg|Hold:>10/10   Radio Device: BTS
#Atten: 30 dB   Ext Gain: -2.50 dB

Freq / Channel

10 dB/div   **Ref 30 dBm**
Log

20
10
0
-10
-20
-30
-40
-50
-60

Center Freq
2.462000000 GHz

Center 2.462 GHz   **Span 26 MHz**
#Res BW 1 MHz   **#VBW 3 MHz**   **#Sweep 100 ms**

CF Step
2.600000 MHz
Auto   Man

Channel Power   **Power Spectral Density**

23.94 dBm/ 17.9 MHz   **-48.59** dBm/Hz

MSG   STATUS

Product	Dual-band Wireless-AC1200 USB Adapter		
Test Item	Peak Power Output		
Test Mode	Mode 1: Transmit		
Date of Test	2013/01/30	Test Site	SR7

IEEE 802.11n 20MHz (ANT 1)

Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
1	2412	24.87	$\leq$30	Pass
6	2437	23.92	$\leq$30	Pass
11	2462	23.36	$\leq$30	Pass

The worst emission of data rate is 13 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	24.87	--	--	-	--	--	-	--	30dBm
6	2437	23.92	23.91	23.89	23.87	23.88	23.86	23.85	23.84	30dBm
11	2462	23.36	--	--	-	--	--	-	--	30dBm

Channel 1

Agilent Spectrum Analyzer - Channel Power

| 50 Ω | | AC | SENSE:INT | | ALIGN AUTO | 03:56:31 PM Jan 30, 2013 |

Center Freq 2.412000000 GHz

Input: RF

#IFGain:Low

Center Freq: 2.412000000 GHz
Trig: Free Run
#Atten: 30 dB

Avg|Hold:>10/10
Ext Gain: -2.50 dB

Radio Std: None
Radio Device: BTS

Freq / Channel

10 dB/div   **Ref 30 dBm**

Log

20

10

0

-10

-20

-30

-40

-50

-60

Center 2.412 GHz   Span 26 MHz

#Res BW 1 MHz   #VBW 3 MHz   #Sweep 100 ms

Center Freq
2.412000000 GHz

CF Step
2.600000 MHz
Auto   Man

Channel Power

24.87 dBm/ 17.9 MHz

Power Spectral Density

-47.66 dBm/Hz

MSG   STATUS

Channel 6

Channel 11

Agilent Spectrum Analyzer - Channel Power

| | 50 Ω | | AC | SENSE:INT | ALIGN AUTO | 03:58:11 PM Jan 30, 2013 |

Center Freq 2.462000000 GHz
Input: RF
#IFGain:Low

Center Freq: 2.462000000 GHz   Radio Std: None
Trig: Free Run   Avg|Hold:>10/10
#Atten: 30 dB   Ext Gain: -2.50 dB   Radio Device: BTS

Freq / Channel

10 dB/div   Ref 30 dBm
Log

Center 2.462 GHz   Span 26 MHz
#Res BW 1 MHz   #VBW 3 MHz   #Sweep 100 ms

Center Freq
2.462000000 GHz

CF Step
2.600000 MHz
Auto   Man

Channel Power

23.36 dBm/ 17.9 MHz

Power Spectral Density

-49.16 dBm/Hz

MSG   STATUS

Product	Dual-band Wireless-AC1200 USB Adapter		
Test Item	Peak Power Output		
Test Mode	Mode 1: Transmit		
Date of Test	2013/01/30	Test Site	SR7

IEEE 802.11n 20MHz (ANT 0+1)

Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
1	2412	28.04	≦30	Pass
6	2437	27.03	≦30	Pass
11	2462	26.67	≦30	Pass

The worst emission of data rate is 13 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	28.04	--	--	-	--	--	-	--	30dBm
6	2437	27.03	27.02	27.01	26.98	26.97	26.94	26.92	26.91	30dBm
11	2462	26.67	--	--	-	--	--	-	--	30dBm

Product	Dual-band Wireless-AC1200 USB Adapter		
Test Item	Peak Power Output		
Test Mode	Mode 1: Transmit		
Date of Test	2012/11/16	Test Site	SR7

IEEE802.11n 40MHz (ANT 0)

Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
3	2422	24.92	≦30	Pass
6	2437	24.42	≦30	Pass
9	2452	24.34	≦30	Pass

The worst emission of data rate is 27Mbps

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	24.92	--	--	-	--	--	-	--	30dBm
6	2437	24.42	24.41	24.40	24.39	24.38	24.37	24.34	24.33	30dBm
9	2452	24.34	--	--	-	--	--	-	--	30dBm

Channel 3

Agilent Spectrum Analyzer - Channel Power

| 50 Ω | | AC | SENSE:INT | ALIGN AUTO | 03:59:39 PM Jan 30, 2013 |

Center Freq 2.422000000 GHz
Input: RF
#IFGain:Low

Center Freq: 2.422000000 GHz   Radio Std: None
Trig: Free Run   Avg|Hold:>10/10
#Atten: 30 dB   Ext Gain: -2.50 dB   Radio Device: BTS

10 dB/div   Ref 30 dBm
Log

Center 2.422 GHz   Span 52 MHz
#Res BW 1 MHz   #VBW 3 MHz   #Sweep 100 ms

Channel Power

24.92 dBm/ 36.6 MHz

Power Spectral Density

-50.71 dBm/Hz

Freq / Channel

Center Freq
2.422000000 GHz

CF Step
5.200000 MHz
Auto   Man

Channel 6

Agilent Spectrum Analyzer - Channel Power

| | 50 Ω | | AC | SENSE:INT | | ALIGN AUTO | 04:01:26 PM Jan 30, 2013 |

Center Freq 2.437000000 GHz

Input: RF

#IFGain:Low

Center Freq: 2.437000000 GHz Radio Std: None
Trig: Free Run Avg|Hold:> 10/10
#Atten: 30 dB Ext Gain: -2.50 dB Radio Device: BTS

10 dB/div Ref 30 dBm
Log

Center 2.437 GHz Span 52 MHz
#Res BW 1 MHz #VBW 3 MHz #Sweep 100 ms

Channel Power **Power Spectral Density**

24.42 dBm/ 36.6 MHz **-51.21** dBm/Hz

Freq / Channel

Center Freq
2.437000000 GHz

CF Step
5.200000 MHz
Auto Man

MSG STATUS

Channel 9

Agilent Spectrum Analyzer - Channel Power

| 50 Ω | | AC | SENSE:INT | ALIGN AUTO | 04:02:07 PM Jan 30, 2013 |

Center Freq 2.452000000 GHz
Input: RF
#IFGain:Low

Center Freq: 2.452000000 GHz
Trig: Free Run
#Atten: 30 dB

Avg|Hold:>10/10
Ext Gain: -2.50 dB

Radio Std: None
Radio Device: BTS

Freq / Channel

Center Freq
2.452000000 GHz

10 dB/div   Ref 30 dBm
Log

Center 2.452 GHz
#Res BW 1 MHz

Span 52 MHz
#VBW 3 MHz   #Sweep 100 ms

CF Step
5.200000 MHz
Auto   Man

Channel Power

24.34 dBm/ 36.8 MHz

Power Spectral Density

-51.32 dBm/Hz

MSG   STATUS

Product	Dual-band Wireless-AC1200 USB Adapter		
Test Item	Peak Power Output		
Test Mode	Mode 1: Transmit		
Date of Test	2013/01/30	Test Site	SR7

IEEE802.11n 40MHz (ANT 1)

Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
3	2422	24.73	≦30	Pass
6	2437	24.16	≦30	Pass
9	2452	23.92	≦30	Pass

The worst emission of data rate is 27Mbps

Peak Power Output (dBm)									
MCS Index		16	17	18	19	20	21	22	23	Required Limit
Channel	Frequency	Data Rate								
No	(MHz)	40.5	81.0	121.5	162.0	243.0	324.0	364.5	405.0	
3	2422	24.73	--	--	-	--	--	-	--	30dBm
6	2437	24.16	24.15	24.14	24.13	24.12	24.11	24.10	24.09	30dBm
9	2452	23.92	--	--	-	--	--	-	--	30dBm

Channel 3

Agilent Spectrum Analyzer - Channel Power

| 50 Ω | | AC | SENSE:INT | | ALIGN AUTO | 04:00:00 PM Jan 30, 2013 |

Center Freq 2.422000000 GHz

Input: RF
#IFGain:Low

Center Freq: 2.422000000 GHz
Trig: Free Run
#Atten: 30 dB

Avg|Hold:>10/10
Ext Gain: -2.50 dB

Radio Std: None

Radio Device: BTS

Freq / Channel

10 dB/div   Ref 30 dBm
Log

Center 2.422 GHz
#Res BW 1 MHz

#VBW 3 MHz

Span 52 MHz
#Sweep 100 ms

Center Freq
2.422000000 GHz

CF Step
5.200000 MHz
Auto   Man

Channel Power

24.73 dBm/ 37.2 MHz

Power Spectral Density

-50.97 dBm/Hz

MSG   STATUS

Channel 6

Agilent Spectrum Analyzer - Channel Power

| | 50 Ω | | AC | SENSE:INT | | ALIGN AUTO | 04:01:05 PM Jan 30, 2013 |

Center Freq 2.437000000 GHz
Input: RF
#IFGain:Low

Center Freq: 2.437000000 GHz   Radio Std: None
Trig: Free Run   Avg|Hold:>10/10
#Atten: 30 dB   Ext Gain: -2.50 dB   Radio Device: BTS

10 dB/div   Ref 30 dBm
Log

Center 2.437 GHz   Span 52 MHz
#Res BW 1 MHz   #VBW 3 MHz   #Sweep 100 ms

Channel Power   **Power Spectral Density**

24.16 dBm/ 36.6 MHz   -51.48 dBm/Hz

Freq / Channel

Center Freq
2.437000000 GHz

CF Step
5.200000 MHz
Auto   Man

MSG   STATUS

Channel 9

Agilent Spectrum Analyzer - Channel Power

| 50 Ω | | AC | SENSE:INT | ALIGN AUTO | 04:02:25 PM Jan 30, 2013 |

Center Freq 2.452000000 GHz
Input: RF
#IFGain:Low

Center Freq: 2.452000000 GHz
Trig: Free Run
#Atten: 30 dB

Avg|Hold:>10/10
Ext Gain: -2.50 dB

Radio Std: None
Radio Device: BTS

Freq / Channel

Center Freq
2.452000000 GHz

10 dB/div   Ref 30 dBm
Log

Center 2.452 GHz   Span 52 MHz
#Res BW 1 MHz   #VBW 3 MHz   #Sweep 100 ms

CF Step
5.200000 MHz
Auto   Man

Channel Power

23.92 dBm/ 36.8 MHz

Power Spectral Density

-51.74 dBm/Hz

MSG   STATUS

Product	Dual-band Wireless-AC1200 USB Adapter		
Test Item	Peak Power Output		
Test Mode	Mode 1: Transmit		
Date of Test	2012/11/16	Test Site	SR7

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

Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
3	2422	27.84	≦30	Pass
6	2437	27.30	≦30	Pass
9	2452	27.15	≦30	Pass

The worst emission of data rate is 27Mbps

Peak Power Output (dBm)									
MCS Index		16	17	18	19	20	21	22	23	Required Limit
Channel	Frequency	Data Rate								
No	(MHz)	40.5	81.0	121.5	162.0	243.0	324.0	364.5	405.0	
3	2422	27.84	--	--	-	--	--	-	--	30dBm
6	2437	27.30	27.29	27.28	27.27	27.25	27.24	27.23	27.21	30dBm
9	2452	27.15	--	--	-	--	--	-	--	30dBm

Product	Dual-band Wireless-AC1200 USB Adapter		
Test Item	Peak Power Output		
Test Mode	Mode 1: Transmit		
Date of Test	2013/01/30	Test Site	SR7

IEEE802.11a (ANT 0)

Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
149	5745	21.47	≦30	Pass
157	5785	21.86	≦30	Pass
165	5825	21.55	≦30	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	21.47	--	--	--	--	--	--	1Watt= 30 dBm
157	5785	21.86	21.85	21.84	21.83	21.81	21.80	21.79	1Watt= 30 dBm
165	5825	21.55	--	--	--	--	--	--	1Watt= 30 dBm

Channel 149

Agilent Spectrum Analyzer - Channel Power

LXI	50 Ω			AC	SENSE:INT	ALIGN AUTO	04:05:20 PM Jan 30, 2013

Center Freq 5.745000000 GHz
Input: RF
#IFGain:Low

Center Freq: 5.745000000 GHz
Trig: Free Run
#Atten: 30 dB

Radio Std: None
Avg|Hold:>10/10
Ext Gain: -2.50 dB

Radio Device: BTS

10 dB/div   **Ref 30 dBm**
Log
20
10
0
-10
-20
-30
-40
-50
-60

Center 5.745 GHz
#Res BW 1 MHz

Span 26 MHz
#VBW 3 MHz   #Sweep 100 ms

Freq / Channel

Center Freq
5.745000000 GHz

CF Step
2.600000 MHz
Auto   Man

Channel Power

21.47 dBm/ 16.7 MHz

Power Spectral Density

-50.75 dBm/Hz

MSG   STATUS

Channel 157

Agilent Spectrum Analyzer - Channel Power

| LXI | 50 Ω | | AC | SENSE:INT | | ALIGN AUTO | 04:06:08 PM Jan 30, 2013 |

Center Freq 5.785000000 GHz

Input: RF

#IFGain:Low

Center Freq: 5.785000000 GHz
Trig: Free Run
#Atten: 30 dB

Avg|Hold:>10/10
Ext Gain: -2.50 dB

Radio Std: None
Radio Device: BTS

Freq / Channel

10 dB/div **Ref 30 dBm**
Log

```
 20
 10
  0
-10
-20
-30
-40
-50
-60
```

Center 5.785 GHz   Span 26 MHz
#Res BW 1 MHz   #VBW 3 MHz   #Sweep 100 ms

Center Freq
5.785000000 GHz

CF Step
2.600000 MHz
Auto   Man

Channel Power   **Power Spectral Density**

21.86 dBm/ 16.6 MHz   **-50.34** dBm/Hz

MSG   STATUS

Channel 165

Agilent Spectrum Analyzer - Channel Power

| | 50 Ω | | | AC | SENSE:INT | | ALIGN AUTO | 04:06:39 PM Jan 30, 2013 |

Center Freq 5.825000000 GHz

Input: RF

#IFGain:Low

Center Freq: 5.825000000 GHz
Trig: Free Run   Avg|Hold:> 10/10
#Atten: 30 dB   Ext Gain: -2.50 dB

Radio Std: None
Radio Device: BTS

Freq / Channel

10 dB/div   **Ref 30 dBm**
Log

20
10
0
-10
-20
-30
-40
-50
-60

Center 5.825 GHz   **Span 26 MHz**
#Res BW 1 MHz   **#VBW 3 MHz**   **#Sweep 100 ms**

Center Freq
5.825000000 GHz

CF Step
2.600000 MHz
Auto   Man

Channel Power   **Power Spectral Density**

21.55 dBm/ 16.7 MHz   **-50.67** dBm/Hz

MSG   STATUS

Product	Dual-band Wireless-AC1200 USB Adapter		
Test Item	Peak Power Output		
Test Mode	Mode 1: Transmit		
Date of Test	2013/01/30	Test Site	SR7

IEEE802.11 n 20MHz (ANT 0)

Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
149	5745	19.52	≦30	Pass
157	5785	19.64	≦30	Pass
165	5825	19.20	≦30	Pass

The worst emission of data rate is 13Mbps

Peak Power Output (dBm)										
MCS Index		8	9	10	11	12	13	14	15	Required Limit
Channel No	Frequency (MHz)	Data Rate								
		13	26	39	52	78	104	117	130	
149	5745	19.52	--	--	--	--	--	--	--	30dBm
157	5785	19.64	19.63	19.62	19.60	19.61	19.58	19.57	19.56	30dBm
165	5825	19.20	--	--	--	--	--	--	--	30dBm

Channel 149

```
Agilent Spectrum Analyzer - Channel Power

LXI        50 Ω                        AC    SENSE:INT           ALIGN AUTO    04:07:45 PM Jan 30, 2013
Center Freq 5.745000000 GHz           Center Freq: 5.745000000 GHz    Radio Std: None
          Input: RF                   Trig: Free Run         Avg|Hold:>10/10
                        #IFGain:Low    #Atten: 30 dB          Ext Gain: -2.50 dB    Radio Device: BTS

10 dB/div    Ref 30 dBm
Log
    20
    10
     0
   -10
   -20
   -30
   -40
   -50
   -60
Center 5.745 GHz                                              Span 26 MHz
#Res BW 1 MHz                 #VBW 3 MHz                       #Sweep 100 ms

Channel Power                         Power Spectral Density

    19.52 dBm/ 17.9 MHz                  -53.01 dBm/Hz

MSG                                          STATUS
```

Freq / Channel

Center Freq
5.745000000 GHz

CF Step
2.600000 MHz
Auto   Man

Channel 157

Agilent Spectrum Analyzer - Channel Power

| | 50 Ω | | AC | SENSE:INT | | ALIGN AUTO | 04:09:03 PM Jan 30, 2013 |

Center Freq 5.785000000 GHz
Input: RF
#IFGain:Low

Center Freq: 5.785000000 GHz
Trig: Free Run
#Atten: 30 dB

Avg|Hold:>10/10
Ext Gain: -2.50 dB

Radio Std: None

Radio Device: BTS

10 dB/div   Ref 30 dBm
Log

Center 5.785 GHz   Span 26 MHz
#Res BW 1 MHz   #VBW 3 MHz   #Sweep 100 ms

Freq / Channel

Center Freq
5.785000000 GHz

CF Step
2.600000 MHz
Auto   Man

Channel Power

19.64 dBm/ 17.9 MHz

Power Spectral Density

-52.89 dBm/Hz

MSG   STATUS

Channel 165

Agilent Spectrum Analyzer - Channel Power				

| | 50 Ω | | AC | SENSE:INT | ALIGN AUTO | 04:09:45 PM Jan 30, 2013 |

Center Freq 5.825000000 GHz

Input: RF
#IFGain:Low

Center Freq: 5.825000000 GHz
Trig: Free Run
#Atten: 30 dB

Avg|Hold:>10/10
Ext Gain: -2.50 dB

Radio Std: None
Radio Device: BTS

Freq / Channel

10 dB/div   **Ref 30 dBm**
Log

20
10
0
-10
-20
-30
-40
-50
-60

Center 5.825 GHz
#Res BW 1 MHz

Span 26 MHz
#Sweep 100 ms

#VBW 3 MHz

Center Freq
5.825000000 GHz

CF Step
2.600000 MHz
Auto   Man

Channel Power

19.20 dBm/ 17.8 MHz

Power Spectral Density

-53.31 dBm/Hz

MSG

STATUS

Product	Dual-band Wireless-AC1200 USB Adapter		
Test Item	Peak Power Output		
Test Mode	Mode 1: Transmit		
Date of Test	2013/01/30	Test Site	SR7

IEEE802.11 n 20MHz (ANT 1)

Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
149	5745	19.51	≦30	Pass
157	5785	19.79	≦30	Pass
165	5825	19.49	≦30	Pass

The worst emission of data rate is 13Mbps

Peak Power Output (dBm)									
MCS Index		8	9	10	11	12	13	14	15	Required Limit
Channel No	Frequency (MHz)	Data Rate								
		13	26	39	52	78	104	117	130	
149	5745	19.51	--	--	--	--	--	--	--	30dBm
157	5785	19.79	19.77	19.78	19.76	19.75	19.73	19.74	19.71	30dBm
165	5825	19.49	--	--	--	--	--	--	--	30dBm

Channel 149
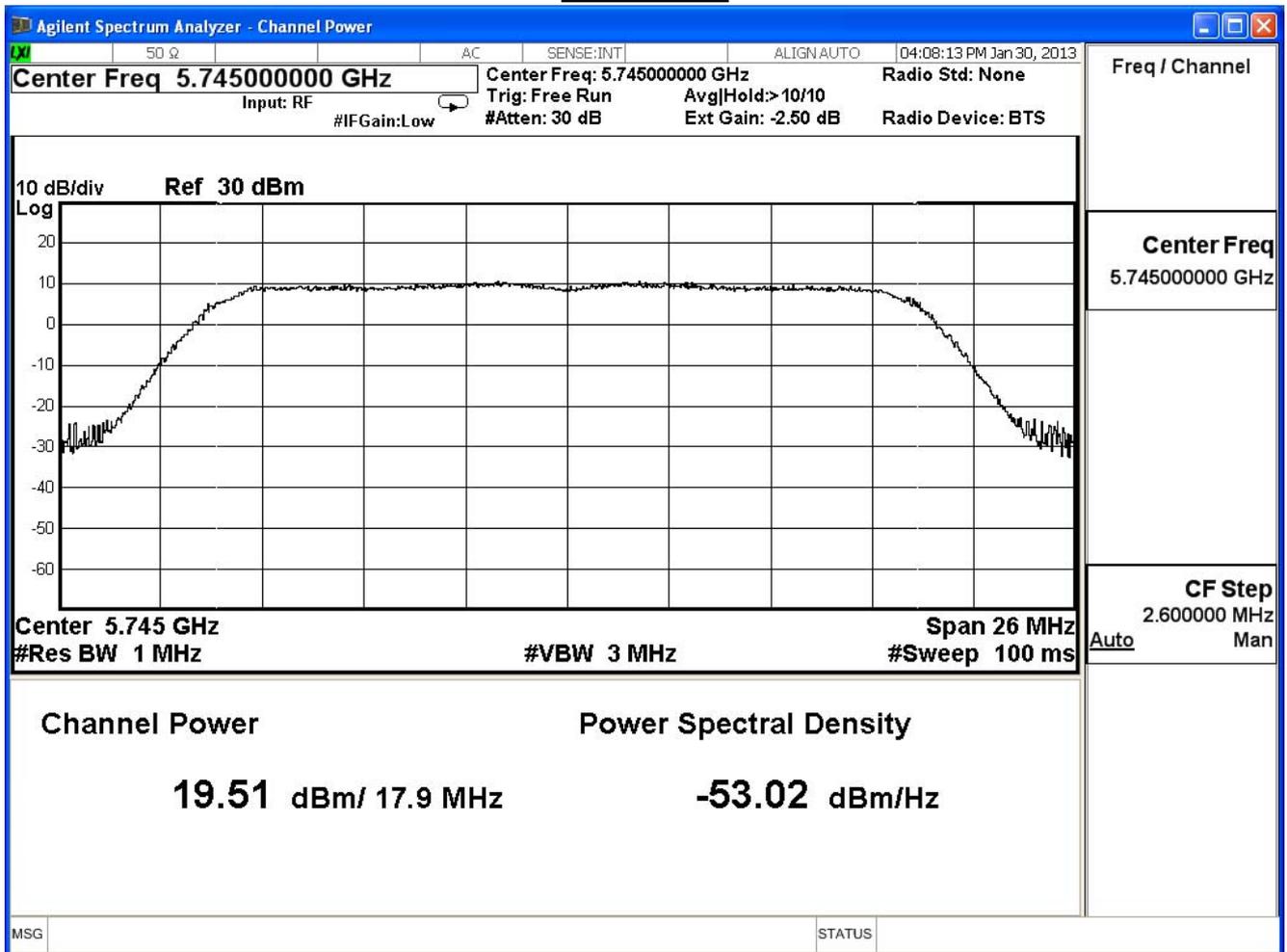
Channel 157
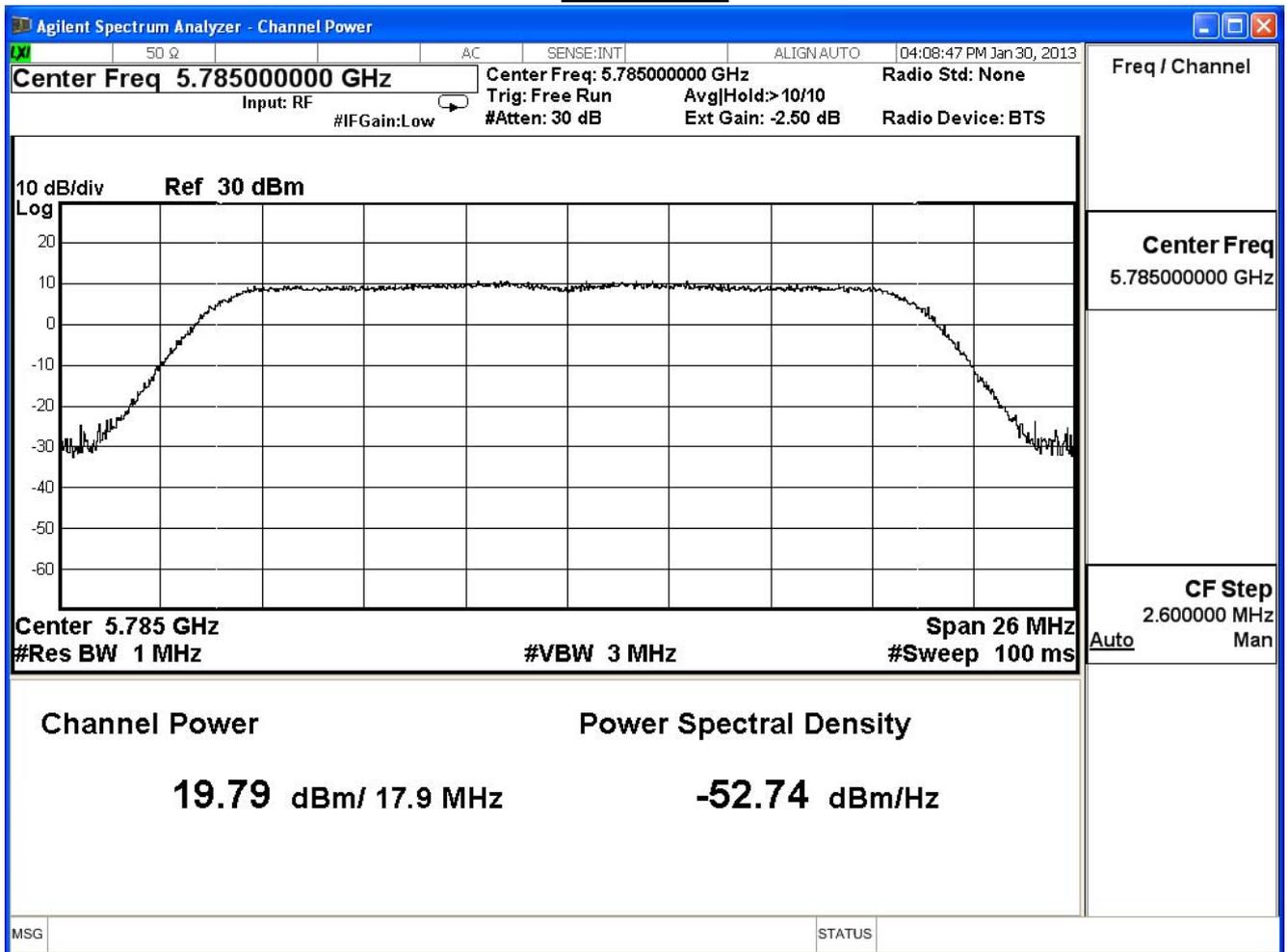
Channel 165

Product	Dual-band Wireless-AC1200 USB Adapter		
Test Item	Peak Power Output		
Test Mode	Mode 1: Transmit		
Date of Test	2013/01/30	Test Site	SR7

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

Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
149	5745	22.53	≦30	Pass
157	5785	22.73	≦30	Pass
165	5825	22.36	≦30	Pass

The worst emission of data rate is 13Mbps

Peak Power Output (dBm)									
MCS Index		8	9	10	11	12	13	14	15	Required Limit
Channel No	Frequency (MHz)	Data Rate								
		13	26	39	52	78	104	117	130	
149	5745	22.53	--	--	--	--	--	--	--	30dBm
157	5785	22.73	22.72	22.71	22.70	22.69	22.68	22.65	22.64	30dBm
165	5825	22.36	--	--	--	--	--	--	--	30dBm

Product	Dual-band Wireless-AC1200 USB Adapter		
Test Item	Peak Power Output		
Test Mode	Mode 1: Transmit		
Date of Test	2013/01/30	Test Site	SR7

IEEE802.11 n 40MHz (ANT 0)

Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
151	5755	19.72	$\leqq 30$	Pass
159	5795	19.87	$\leqq 30$	Pass

The worst emission of data rate is 27Mbps

Peak Power Output (dBm)									
MCS Index		8	9	10	11	12	13	14	15	Required Limit
Channel	Frequency	Data Rate								
No	(MHz)	27	54	81	108	162	216	243	270	
151	5755	19.72	19.71	19.70	19.68	19.67	19.65	19.66	19.62	30dBm
159	5795	19.87	--	--	--	--	--	--	--	30dBm

Channel 151

Agilent Spectrum Analyzer - Channel Power

| | 50 Ω | | | AC | SENSE:INT | | ALIGN AUTO | 04:11:12 PM Jan 30, 2013 |

Center Freq 5.755000000 GHz
Input: RF
#IFGain:Low

Center Freq: 5.755000000 GHz   Radio Std: None
Trig: Free Run   Avg|Hold:>10/10
#Atten: 30 dB   Ext Gain: -2.50 dB   Radio Device: BTS

10 dB/div   **Ref 30 dBm**
Log

Center 5.755 GHz   Span 52 MHz
#Res BW 1 MHz   #VBW 3 MHz   #Sweep 100 ms

Channel Power

19.72 dBm/ 36.8 MHz

Power Spectral Density

-55.94 dBm/Hz

Freq / Channel

Center Freq
5.755000000 GHz

CF Step
5.200000 MHz
Auto   Man

MSG   STATUS

Channel 159

Agilent Spectrum Analyzer - Channel Power

| 50 Ω | | AC | SENSE:INT | | ALIGN AUTO | 04:11:43 PM Jan 30, 2013 |

Center Freq 5.795000000 GHz
Input: RF
#IFGain:Low

Center Freq: 5.795000000 GHz   Radio Std: None
Trig: Free Run   Avg|Hold:>10/10
#Atten: 30 dB   Ext Gain: -2.50 dB   Radio Device: BTS

Freq / Channel

10 dB/div   **Ref 30 dBm**
Log

Center Freq
5.795000000 GHz

Center 5.795 GHz   Span 52 MHz
#Res BW 1 MHz   #VBW 3 MHz   #Sweep 100 ms

CF Step
5.200000 MHz
Auto   Man

Channel Power   **Power Spectral Density**

19.87 dBm/ 36.8 MHz   **-55.79** dBm/Hz

MSG   STATUS

Product	Dual-band Wireless-AC1200 USB Adapter		
Test Item	Peak Power Output		
Test Mode	Mode 1: Transmit		
Date of Test	2013/01/30	Test Site	SR7

IEEE802.11 n 40MHz (ANT 1)

Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
151	5755	19.90	≦30	Pass
159	5795	19.99	≦30	Pass

The worst emission of data rate is 27Mbps

Peak Power Output (dBm)									
MCS Index		8	9	10	11	12	13	14	15	Required Limit
Channel	Frequency	Data Rate								
No	(MHz)	27	54	81	108	162	216	243	270	
151	5755	19.90	19.89	19.87	19.86	19.85	19.84	19.82	19.81	30dBm
159	5795	19.99	--	--	--	--	--	--	--	30dBm

Channel 151

Agilent Spectrum Analyzer - Channel Power

| | 50 Ω | | | AC | SENSE:INT | | ALIGN AUTO | 04:10:56 PM Jan 30, 2013 |

Center Freq 5.755000000 GHz
Input: RF
#IFGain:Low

Center Freq: 5.755000000 GHz
Trig: Free Run
#Atten: 30 dB

Radio Std: None
Avg|Hold:>10/10
Ext Gain: -2.50 dB

Radio Device: BTS

10 dB/div   **Ref 30 dBm**
Log
20
10
0
-10
-20
-30
-40
-50
-60

Center 5.755 GHz   Span 52 MHz
#Res BW 1 MHz   #VBW 3 MHz   #Sweep 100 ms

Freq / Channel

Center Freq
5.755000000 GHz

CF Step
5.200000 MHz
Auto   Man

Channel Power

19.90 dBm/ 36.8 MHz

Power Spectral Density

-55.76 dBm/Hz

MSG   STATUS

Channel 159

Agilent Spectrum Analyzer - Channel Power

Center Freq 5.795000000 GHz
Input: RF
#IFGain:Low

| 50 Ω | AC | SENSE:INT | ALIGN AUTO | 04:12:00 PM Jan 30, 2013 |

Center Freq: 5.795000000 GHz
Trig: Free Run
#Atten: 30 dB

Radio Std: None
Avg|Hold:>10/10
Ext Gain: -2.50 dB

Radio Device: BTS

10 dB/div   Ref 30 dBm
Log

Center 5.795 GHz
#Res BW 1 MHz

#VBW 3 MHz

Span 52 MHz
#Sweep 100 ms

Channel Power

19.99 dBm/ 36.8 MHz

Power Spectral Density

-55.67 dBm/Hz

Freq / Channel

Center Freq
5.795000000 GHz

CF Step
5.200000 MHz
Auto   Man

MSG

STATUS

Product	Dual-band Wireless-AC1200 USB Adapter		
Test Item	Peak Power Output		
Test Mode	Mode 1: Transmit		
Date of Test	2013/01/30	Test Site	SR7

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

Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
151	5755	22.82	≦30	Pass
159	5795	22.94	≦30	Pass

The worst emission of data rate is 13Mbps

Peak Power Output (dBm)									
MCS Index		8	9	10	11	12	13	14	15	Required Limit
Channel No	Frequency (MHz)	Data Rate								
		13	26	39	52	78	104	117	130	
151	5755	22.82	22.81	22.80	22.78	22.77	22.76	22.75	22.74	30dBm
159	5795	22.94	--	--	--	--	--	--	--	30dBm

Product	Dual-band Wireless-AC1200 USB Adapter		
Test Item	Peak Power Output		
Test Mode	Mode 1: Transmit		
Date of Test	2013/01/30	Test Site	SR7

IEEE802.11ac 80MHz (ANT 0)

Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
155	5775	20.55	≦30	Pass

The worst emission of data rate is 28.6Mbps

Peak Power Output (dBm)											
MCS Index		0	1	2	3	4	5	6	7	8	9
Channel	Frequency	Data Rate									
No	(MHz)	28.6	117	175.6	234	351	468	526.6	585	702	780
155	5775	20.55	20.54	20.52	20.53	20.51	20.50	19.98	19.87	19.85	19.84

Channel 155
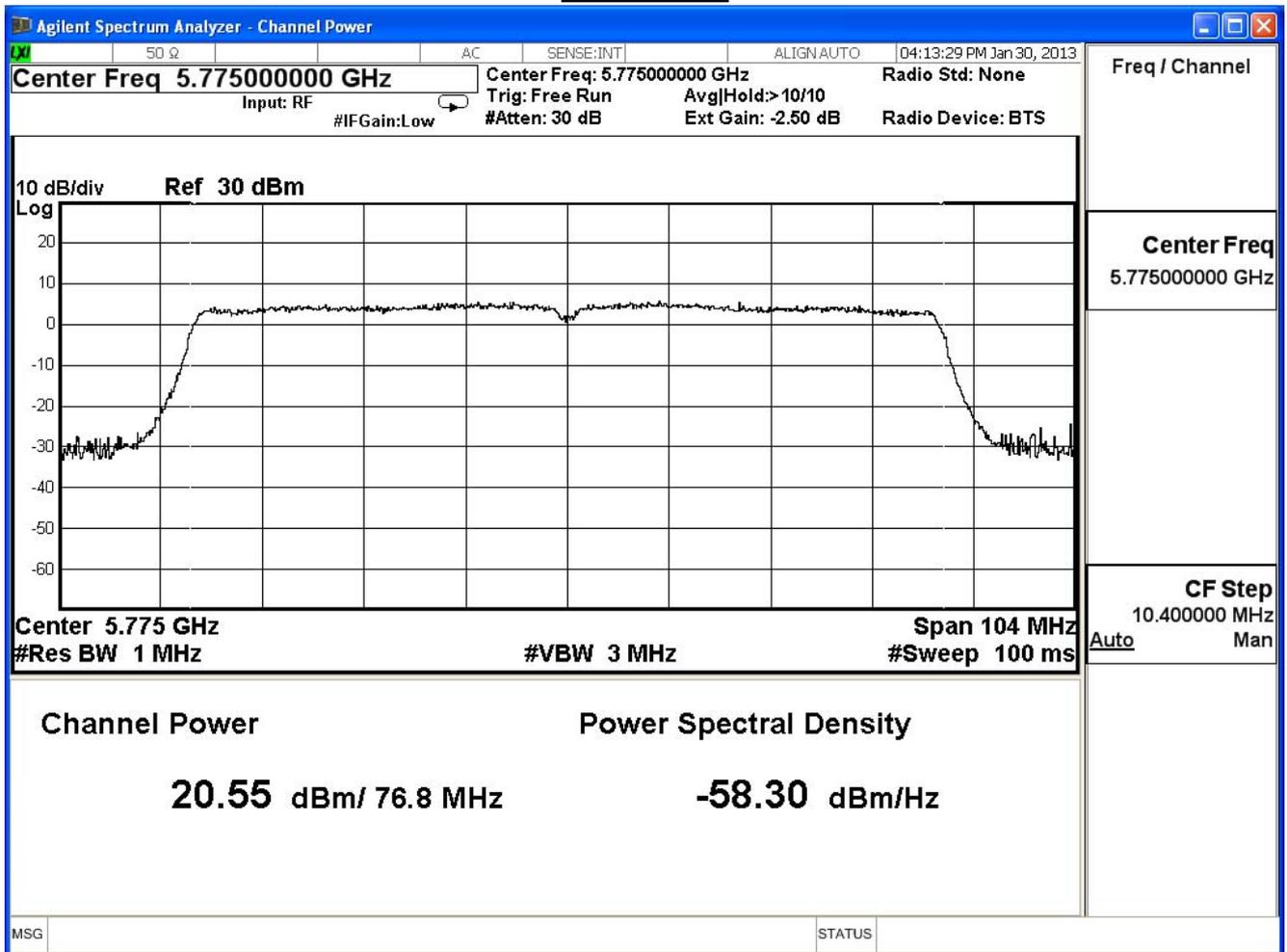
Agilent Spectrum Analyzer - Channel Power

| | 50 Ω | | AC | SENSE:INT | | ALIGN AUTO | 04:13:29 PM Jan 30, 2013 |

Center Freq 5.775000000 GHz
Input: RF
#IFGain:Low

Center Freq: 5.775000000 GHz
Trig: Free Run
#Atten: 30 dB

Radio Std: None
Avg|Hold:>10/10
Ext Gain: -2.50 dB

Radio Device: BTS

10 dB/div   **Ref 30 dBm**
Log
20
10
0
-10
-20
-30
-40
-50
-60

Center 5.775 GHz
#Res BW 1 MHz

#VBW 3 MHz

Span 104 MHz
#Sweep 100 ms

Freq / Channel

Center Freq
5.775000000 GHz

CF Step
10.400000 MHz
Auto   Man

Channel Power

20.55 dBm/ 76.8 MHz

Power Spectral Density

-58.30 dBm/Hz

MSG   STATUS

Product	Dual-band Wireless-AC1200 USB Adapter		
Test Item	Peak Power Output		
Test Mode	Mode 1: Transmit		
Date of Test	2013/01/30	Test Site	SR7

IEEE802.11ac 80MHz (ANT 1)

Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
155	5775	20.41	≦30	Pass

The worst emission of data rate is 28.6Mbps

Peak Power Output (dBm)											
MCS Index		0	1	2	3	4	5	6	7	8	9
Channel	Frequency	Data Rate									
No	(MHz)	28.6	117	175.6	234	351	468	526.6	585	702	780
155	5775	20.41	20.40	20.39	20.38	20.37	20.34	20.35	20.34	20.32	20.30

Channel 155
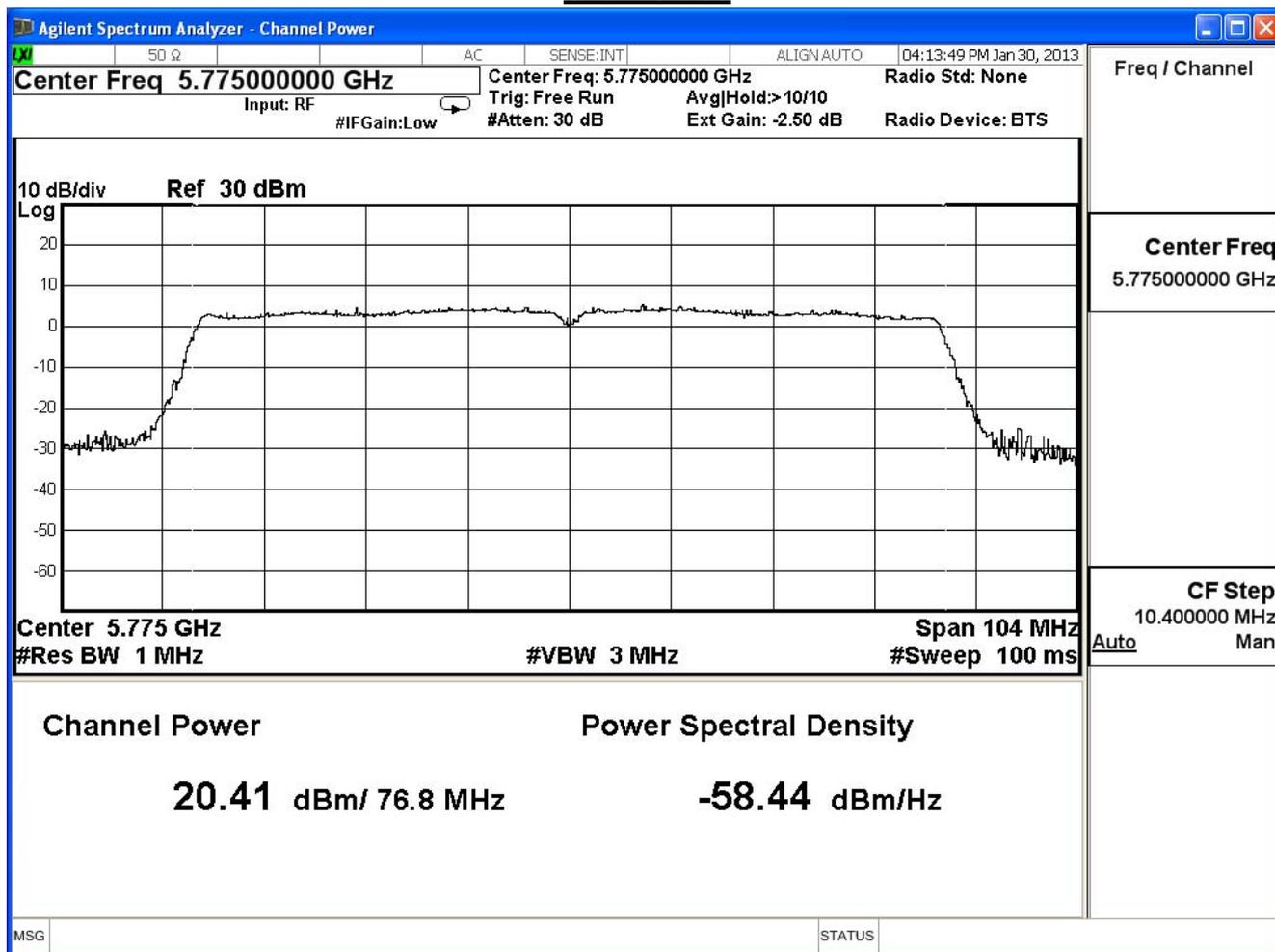
Agilent Spectrum Analyzer - Channel Power

| 50 Ω | AC | SENSE:INT | ALIGN AUTO | 04:13:49 PM Jan 30, 2013 |

Center Freq 5.775000000 GHz
Input: RF
#IFGain:Low

Center Freq: 5.775000000 GHz
Trig: Free Run
#Atten: 30 dB

Radio Std: None
Avg|Hold:>10/10
Ext Gain: -2.50 dB

Radio Device: BTS

10 dB/div   **Ref 30 dBm**
Log

Center 5.775 GHz   Span 104 MHz
#Res BW 1 MHz   #VBW 3 MHz   #Sweep 100 ms

Channel Power   **Power Spectral Density**

20.41 dBm/ 76.8 MHz   **-58.44** dBm/Hz

Freq / Channel

Center Freq
5.775000000 GHz

CF Step
10.400000 MHz
Auto   Man

MSG   STATUS

Product	Dual-band Wireless-AC1200 USB Adapter		
Test Item	Peak Power Output		
Test Mode	Mode 1: Transmit		
Date of Test	2013/01/30	Test Site	SR7

IEEE802.11ac 80MHz (ANT 0+1)

Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
155	5775	23.49	≦30	Pass

The worst emission of data rate is 28.6Mbps

Peak Power Output (dBm)										
MCS Index	0	1	2	3	4	5	6	7	8	9
Channel	Frequency	Data Rate								
No	(MHz)	28.6	117	175.6	234	351	468	526.6	585	702	780
155	5775	23.49	23.48	23.47	23.46	23.44	23.45	23.42	23.41	23.40	23.39

4. Radiated Emission

4.1. Test Equipment

The following test equipments are used during the test:

Radiated Emission / CB1

Instrument	Manufacturer	Model No.	Serial No	Next Cal. Date
Bilog Antenna	SCHAFFNER	CBL6112B	2895	2013/08/14
Double Ridged Guide Horn Antenna	Schwarzback	BBHA 9120	D743	2013/02/02
Pre-Amplifier	MITEQ	AMF-4D-005180-24-10P	888003	2013/12/02
Pre-Amplifier	QuieTek	AP-025C	CHM-0706049	2013/03/01
Spectrum Analyzer	Agilent	E4440A	MY46187335	2013/02/07
Coaxial Cable	Huber+Suhner AG	Sucoflex 102	25623/2	2013/03/04

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

4.2. Test Setup

Under 1GHz Test Setup:
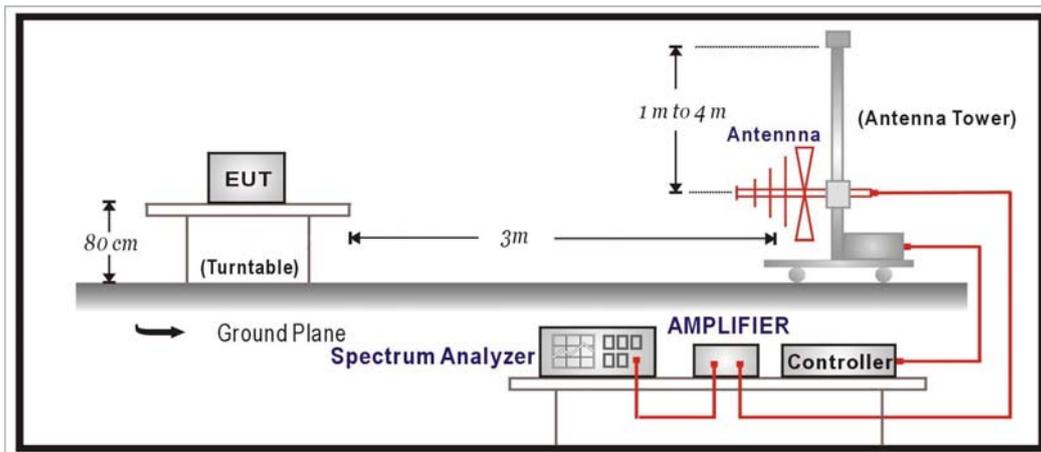
Above 1GHz Test Setup:
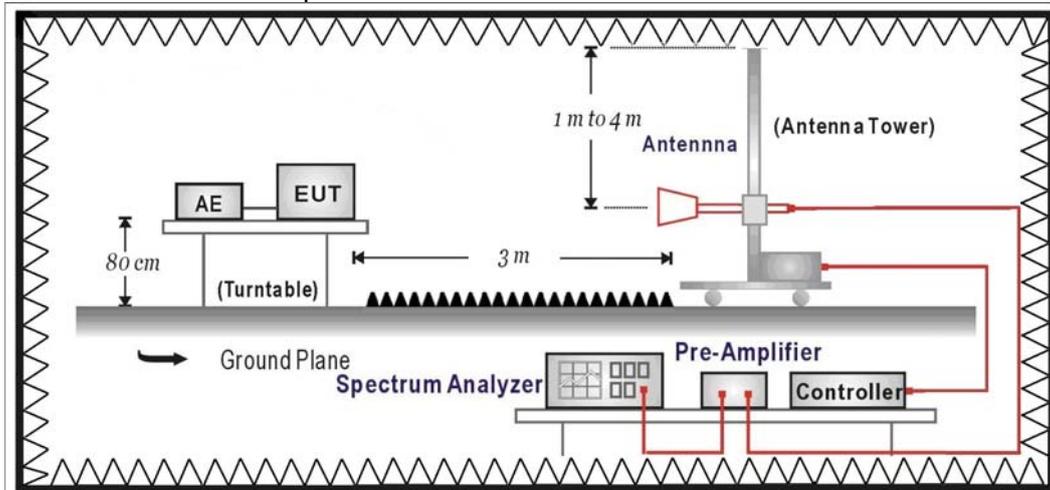
4.3. Limits

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

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 Jan. 2012 KDB558074 for compliance to FCC 47CFR 15.247 requirements. The EUT and its simulators are placed on a turn table which is 0.8 meter above ground. The turn table can rotate 360 degrees to determine the position of the maximum emission level. The antenna can move up and down between 1 meter and 4 meters to find out the maximum emission level.

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

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

4.5. Test Specification

According to FCC Part 15 Subpart C Paragraph 15.247: 2011

4.6. Uncertainty

The measurement uncertainty

30MHz～1GHz as ±3.43dB

1GHz～26.5Ghz as ±3.65dB

4.7. Test Result

30MHz-1GHz Spurious

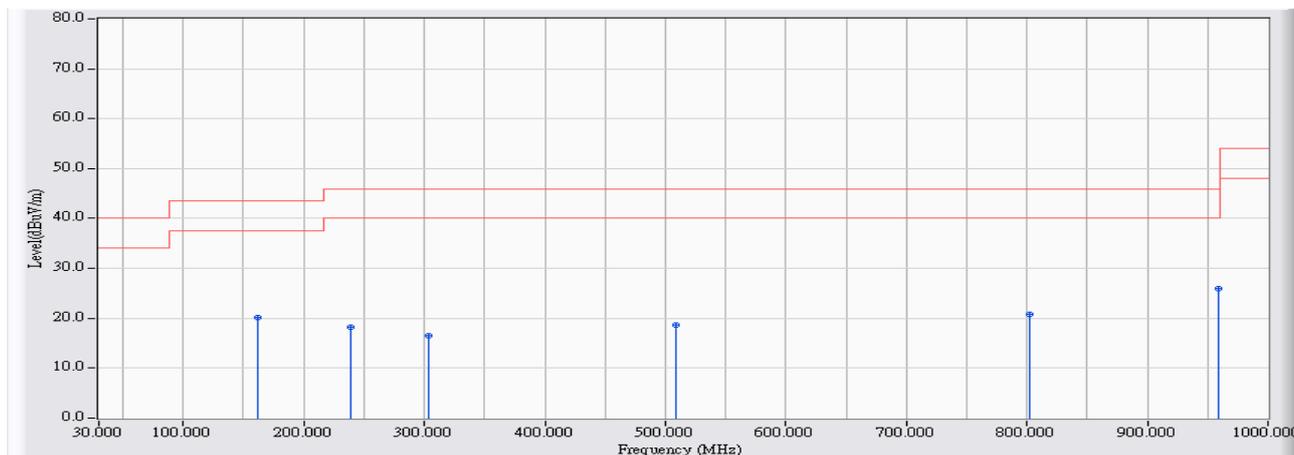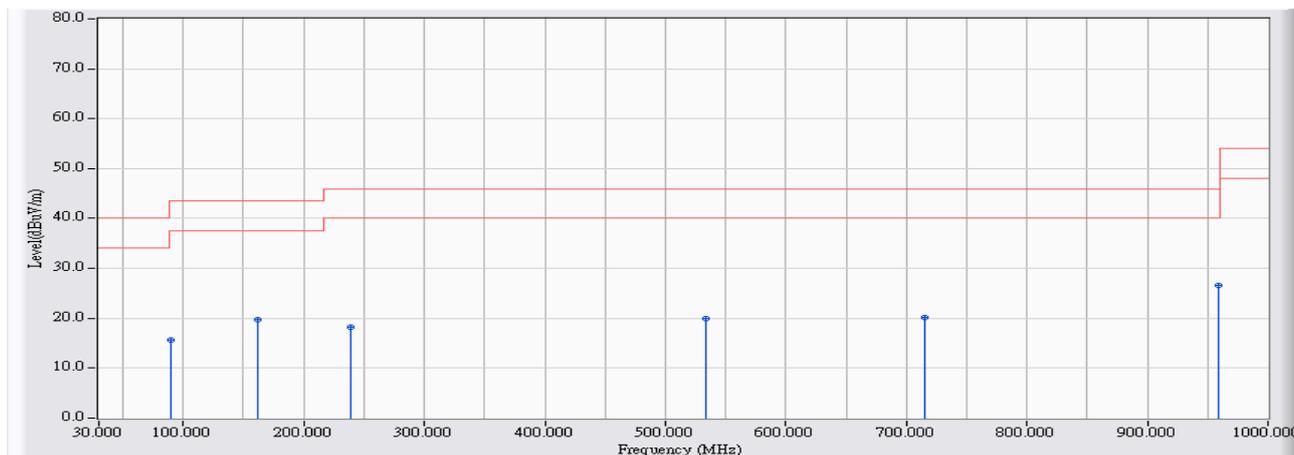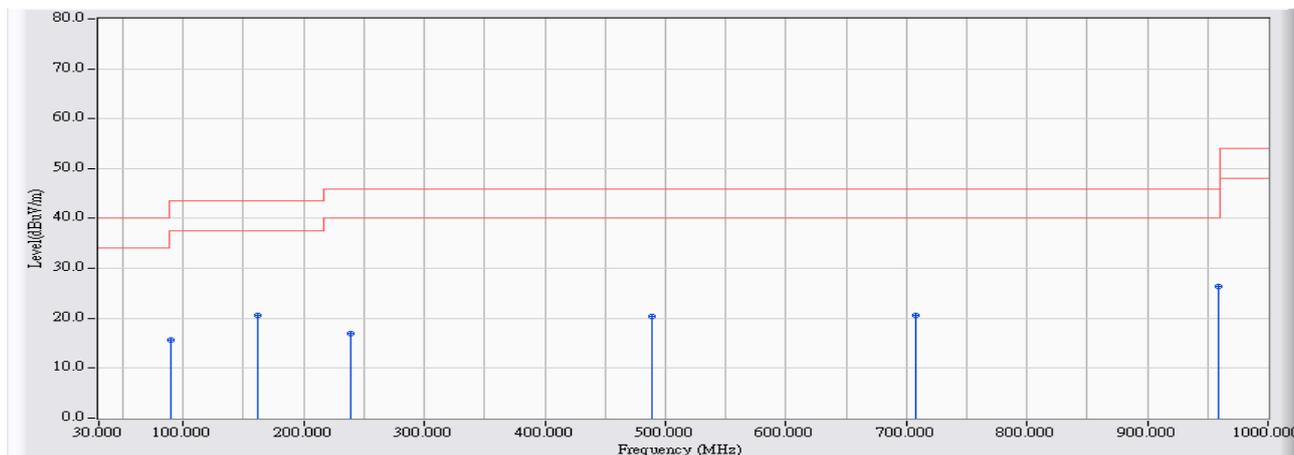| Site : CB1	Time : 2012/11/05 - 21:42
Limit : FCC_CLASS_B_03M_QP	Margin : 6
Probe : CB1_FCC_EFS_30-1G-2_1011 - HORIZONTAL	Power : DC 5V (Power by PC)
EUT : Dual-band Wireless-AC1200 USB Adapter	Note : Mode 1: Transmit-2437MHz_802.11b
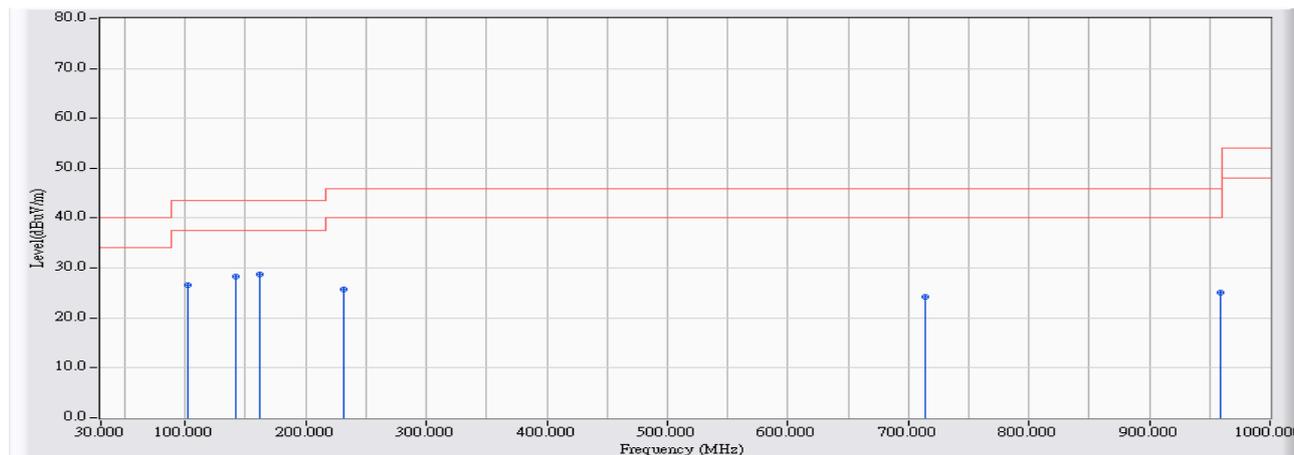
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		101.637	-12.679	39.319	26.640	-16.860	43.500	QUASIPEAK
2		142.295	-12.668	40.912	28.244	-15.256	43.500	QUASIPEAK
3	*	161.657	-13.668	42.381	28.713	-14.787	43.500	QUASIPEAK
4		231.357	-12.318	38.106	25.787	-20.213	46.000	QUASIPEAK
5		713.453	-4.054	28.343	24.288	-21.712	46.000	QUASIPEAK
6		959.341	-1.773	26.889	25.116	-20.884	46.000	QUASIPEAK

Note:

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

Site : CB1	Time : 2012/11/05 - 21:43
Limit : FCC_CLASS_B_03M_QP	Margin : 6
Probe : CB1_FCC_EFS_30-1G-2_1011 - VERTICAL	Power : DC 5V (Power by PC)
EUT : Dual-band Wireless-AC1200 USB Adapter	Note : Mode 1: Transmit-2437MHz_802.11b

		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		161.657	-13.668	34.777	21.109	-22.391	43.500	QUASIPEAK
2		233.293	-12.173	34.464	22.290	-23.710	46.000	QUASIPEAK
3		370.758	-8.159	25.319	17.161	-28.839	46.000	QUASIPEAK
4		490.798	-5.312	25.636	20.325	-25.675	46.000	QUASIPEAK
5		721.198	-3.957	27.700	23.744	-22.256	46.000	QUASIPEAK
6	*	959.341	-1.773	26.649	24.876	-21.124	46.000	QUASIPEAK

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

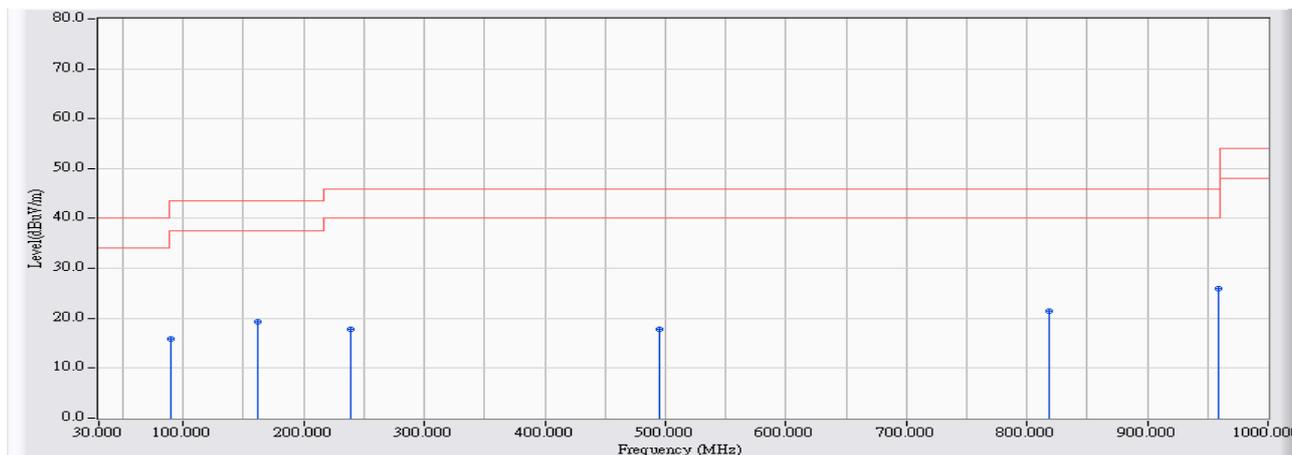| Site : CB1	Time : 2012/11/05 - 21:43
Limit : FCC_CLASS_B_03M_QP	Margin : 6
Probe : CB1_FCC_EFS_30-1G-2_1011 - HORIZONTAL	Power : DC 5V (Power by PC)
EUT : Dual-band Wireless-AC1200 USB Adapter	Note : Mode 1: Transmit-2437MHz_802.11g

		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		99.701	-12.826	28.969	16.143	-27.357	43.500	QUASIPEAK
2		161.657	-13.668	34.344	20.676	-22.824	43.500	QUASIPEAK
3		239.102	-11.738	35.458	23.720	-22.280	46.000	QUASIPEAK
4		372.695	-8.108	27.541	19.433	-26.567	46.000	QUASIPEAK
5		713.453	-4.054	29.286	25.231	-20.769	46.000	QUASIPEAK
6	*	959.341	-1.773	29.840	28.067	-17.933	46.000	QUASIPEAK

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

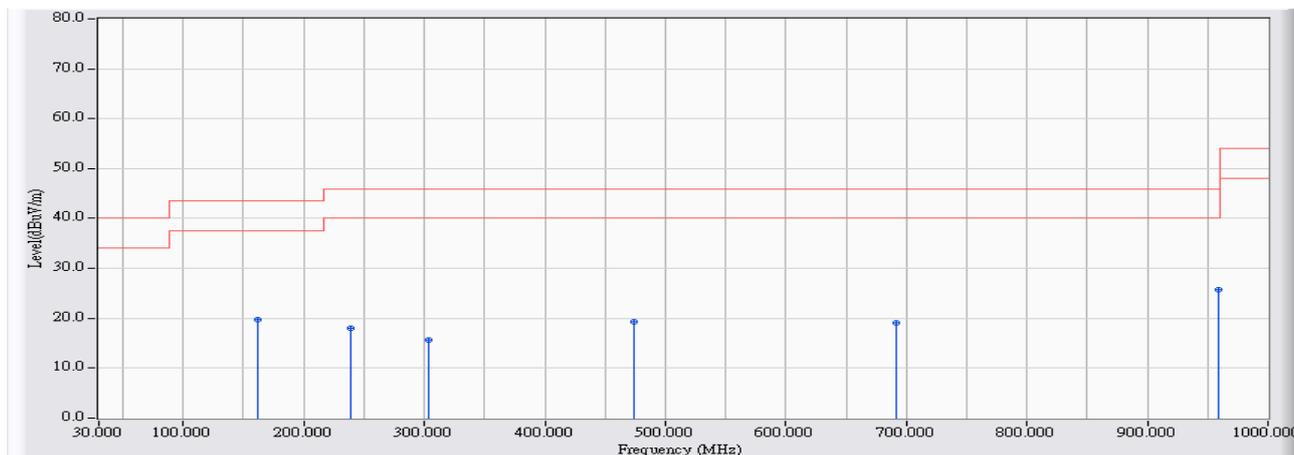| Site : CB1	Time : 2012/11/05 - 21:43
Limit : FCC_CLASS_B_03M_QP	Margin : 6
Probe : CB1_FCC_EFS_30-1G-2_1011 - VERTICAL	Power : DC 5V (Power by PC)
EUT : Dual-band Wireless-AC1200 USB Adapter	Note : Mode 1: Transmit-2437MHz_802.11g

		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		161.657	-13.668	34.107	20.439	-23.061	43.500	QUASIPEAK
2		233.293	-12.173	34.187	22.013	-23.987	46.000	QUASIPEAK
3		304.930	-9.805	27.342	17.536	-28.464	46.000	QUASIPEAK
4	*	490.798	-5.312	34.308	28.997	-17.003	46.000	QUASIPEAK
5		713.453	-4.054	28.778	24.723	-21.277	46.000	QUASIPEAK
6		959.341	-1.773	27.394	25.621	-20.379	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.

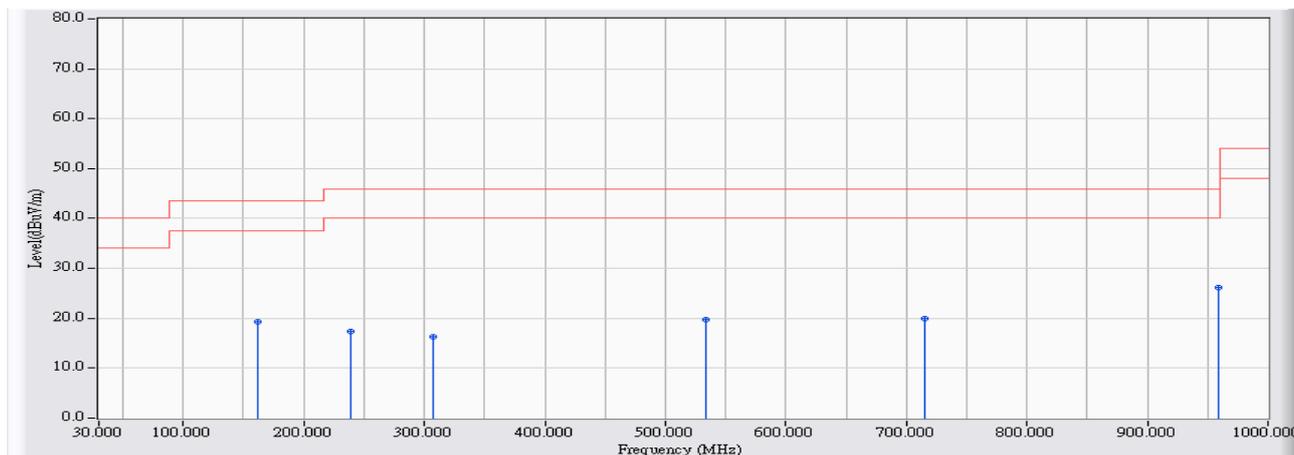| Site : CB1	Time : 2012/11/05 - 21:43
Limit : FCC_CLASS_B_03M_QP	Margin : 6
Probe : CB1_FCC_EFS_30-1G-2_1011 - HORIZONTAL	Power : DC 5V (Power by PC)
EUT : Dual-band Wireless-AC1200 USB Adapter	Note : Mode 1: Transmit-2437MHz_802.11n(20M)

		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		90.020	-15.083	29.552	14.469	-29.031	43.500	QUASIPEAK
2		161.657	-13.668	34.785	21.117	-22.383	43.500	QUASIPEAK
3	*	231.357	-12.318	39.294	26.975	-19.025	46.000	QUASIPEAK
4		304.930	-9.805	28.352	18.546	-27.454	46.000	QUASIPEAK
5		715.389	-4.030	28.348	24.318	-21.682	46.000	QUASIPEAK
6		959.341	-1.773	26.648	24.875	-21.125	46.000	QUASIPEAK

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

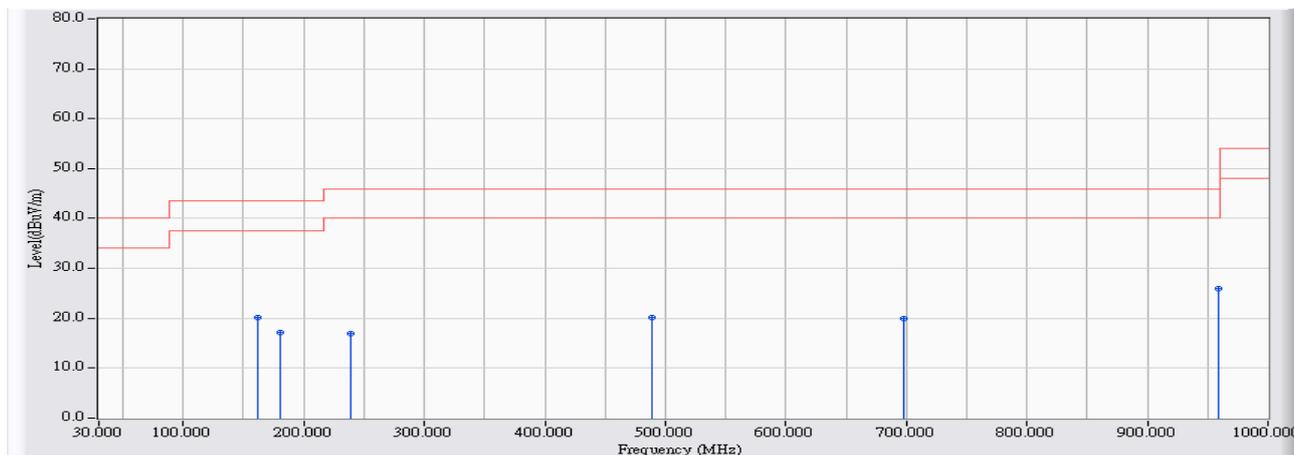| Site : CB1	Time : 2012/11/05 - 21:43
Limit : FCC_CLASS_B_03M_QP	Margin : 6
Probe : CB1_FCC_EFS_30-1G-2_1011 - VERTICAL	Power : DC 5V (Power by PC)
EUT : Dual-band Wireless-AC1200 USB Adapter	Note : Mode 1: Transmit-2437MHz_802.11n(20M)

		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		161.657	-13.668	34.202	20.534	-22.966	43.500	QUASIPEAK
2		233.293	-12.173	34.864	22.690	-23.310	46.000	QUASIPEAK
3		302.994	-9.853	28.091	18.238	-27.762	46.000	QUASIPEAK
4		488.862	-5.358	28.785	23.427	-22.573	46.000	QUASIPEAK
5		715.389	-4.030	27.610	23.580	-22.420	46.000	QUASIPEAK
6	*	959.341	-1.773	27.023	25.250	-20.750	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 : 2012/11/05 - 21:44
Limit : FCC_CLASS_B_03M_QP	Margin : 6
Probe : CB1_FCC_EFS_30-1G-2_1011 - HORIZONTAL	Power : DC 5V (Power by PC)
EUT : Dual-band Wireless-AC1200 USB Adapter	Note : Mode 1: Transmit-2437MHz_802.11n(40M)

		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		90.020	-15.083	31.776	16.693	-26.807	43.500	QUASIPEAK
2		161.657	-13.668	33.305	19.637	-23.863	43.500	QUASIPEAK
3		233.293	-12.173	35.971	23.797	-22.203	46.000	QUASIPEAK
4		302.994	-9.853	28.010	18.157	-27.843	46.000	QUASIPEAK
5		723.134	-3.932	27.570	23.639	-22.361	46.000	QUASIPEAK
6	*	959.341	-1.773	26.828	25.055	-20.945	46.000	QUASIPEAK

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

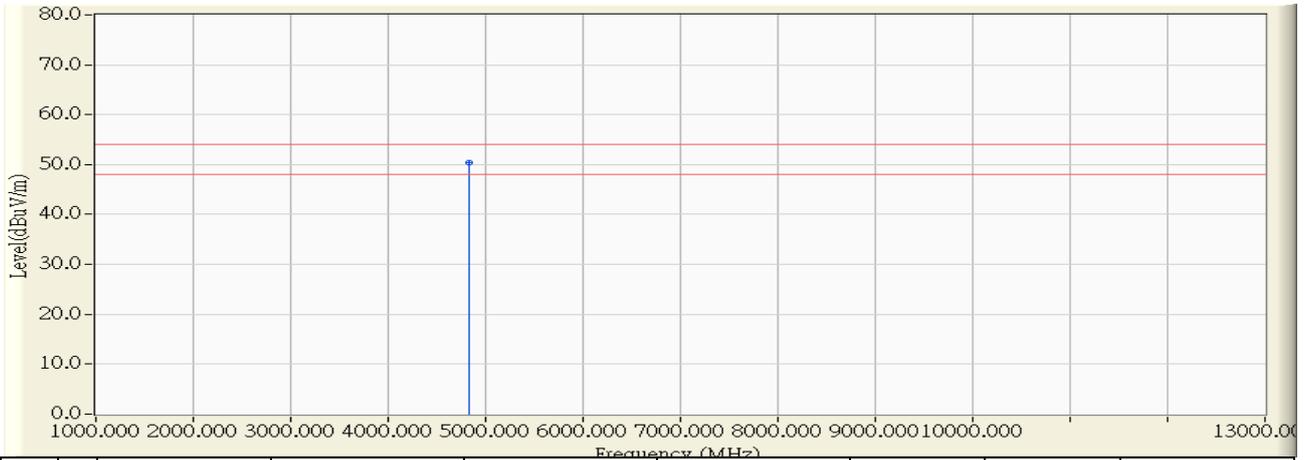| Site : CB1	Time : 2012/11/05 - 21:44
Limit : FCC_CLASS_B_03M_QP	Margin : 6
Probe : CB1_FCC_EFS_30-1G-2_1011 - VERTICAL	Power : DC 5V (Power by PC)
EUT : Dual-band Wireless-AC1200 USB Adapter	Note : Mode 1: Transmit-2437MHz_802.11n(40M)

		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		161.657	-13.668	34.483	20.815	-22.685	43.500	QUASIPEAK
2		231.357	-12.318	35.235	22.916	-23.084	46.000	QUASIPEAK
3		314.611	-9.567	25.475	15.908	-30.092	46.000	QUASIPEAK
4		483.054	-5.498	24.732	19.235	-26.765	46.000	QUASIPEAK
5		715.389	-4.030	28.723	24.693	-21.307	46.000	QUASIPEAK
6	*	959.341	-1.773	26.858	25.085	-20.915	46.000	QUASIPEAK

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

Site : CB1	Time : 2012/11/06 - 10:33
Limit : FCC_CLASS_B_03M_QP	Margin : 6
Probe : CB1_FCC_EFS_30-1G-2_1011 - HORIZONTAL	Power : DC 5V (Power by PC)
EUT : Dual-band Wireless-AC1200 USB Adapter	Note : Mode 1: Transmit-5785MHz_802.11a

		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		90.020	-15.083	31.060	15.977	-27.523	43.500	QUASIPEAK
2		161.657	-13.668	33.591	19.923	-23.577	43.500	QUASIPEAK
3		239.102	-11.738	30.010	18.272	-27.728	46.000	QUASIPEAK
4		498.543	-5.125	23.649	18.524	-27.476	46.000	QUASIPEAK
5		818.004	-2.887	24.486	21.598	-24.402	46.000	QUASIPEAK
6	*	959.341	-1.773	28.173	26.400	-19.600	46.000	QUASIPEAK

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

| Site : CB1	Time : 2012/11/06 - 10:33
Limit : FCC_CLASS_B_03M_QP	Margin : 6
Probe : CB1_FCC_EFS_30-1G-2_1011 - VERTICAL	Power : DC 5V (Power by PC)
EUT : Dual-band Wireless-AC1200 USB Adapter	Note : Mode 1: Transmit-5785MHz_802.11a

		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		161.657	-13.668	33.908	20.240	-23.260	43.500	QUASIPEAK
2		239.102	-11.738	29.866	18.128	-27.872	46.000	QUASIPEAK
3		302.994	-9.853	26.402	16.549	-29.451	46.000	QUASIPEAK
4		508.224	-5.070	23.705	18.635	-27.365	46.000	QUASIPEAK
5		802.515	-2.970	23.774	20.803	-25.197	46.000	QUASIPEAK
6	*	959.341	-1.773	27.747	25.974	-20.026	46.000	QUASIPEAK

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

| Site : CB1	Time : 2012/11/06 - 10:33
Limit : FCC_CLASS_B_03M_QP	Margin : 6
Probe : CB1_FCC_EFS_30-1G-2_1011 - HORIZONTAL	Power : DC 5V (Power by PC)
EUT : Dual-band Wireless-AC1200 USB Adapter	Note : Mode 1: Transmit-5785MHz_802.11n(20M)

		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		90.020	-15.083	30.724	15.641	-27.859	43.500	QUASIPEAK
2		161.657	-13.668	33.400	19.732	-23.768	43.500	QUASIPEAK
3		239.102	-11.738	29.899	18.161	-27.839	46.000	QUASIPEAK
4		533.393	-5.006	24.892	19.885	-26.115	46.000	QUASIPEAK
5		715.389	-4.030	24.255	20.225	-25.775	46.000	QUASIPEAK
6	*	959.341	-1.773	28.360	26.587	-19.413	46.000	QUASIPEAK

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

Site : CB1	Time : 2012/11/06 - 10:34
Limit : FCC_CLASS_B_03M_QP	Margin : 6
Probe : CB1_FCC_EFS_30-1G-2_1011 - HORIZONTAL	Power : DC 5V (Power by PC)
EUT : Dual-band Wireless-AC1200 USB Adapter	Note : Mode 1: Transmit-5755MHz_802.11n(40)

		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		90.020	-15.083	31.015	15.932	-27.568	43.500	QUASIPEAK
2		161.657	-13.668	32.909	19.241	-24.259	43.500	QUASIPEAK
3		239.102	-11.738	29.490	17.752	-28.248	46.000	QUASIPEAK
4		494.671	-5.218	22.988	17.770	-28.230	46.000	QUASIPEAK
5		818.004	-2.887	24.258	21.370	-24.630	46.000	QUASIPEAK
6	*	959.341	-1.773	27.618	25.845	-20.155	46.000	QUASIPEAK

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

| Site : CB1	Time : 2012/11/06 - 10:34
Limit : FCC_CLASS_B_03M_QP	Margin : 6
Probe : CB1_FCC_EFS_30-1G-2_1011 - VERTICAL	Power : DC 5V (Power by PC)
EUT : Dual-band Wireless-AC1200 USB Adapter	Note : Mode 1: Transmit-5755MHz_802.11n(40)

		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		161.657	-13.668	33.414	19.746	-23.754	43.500	QUASIPEAK
2		239.102	-11.738	29.856	18.118	-27.882	46.000	QUASIPEAK
3		302.994	-9.853	25.574	15.721	-30.279	46.000	QUASIPEAK
4		473.373	-5.730	25.061	19.331	-26.669	46.000	QUASIPEAK
5		692.156	-4.278	23.446	19.169	-26.831	46.000	QUASIPEAK
6	*	959.341	-1.773	27.507	25.734	-20.266	46.000	QUASIPEAK

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

| Site : CB1	Time : 2012/11/06 - 10:34
Limit : FCC_CLASS_B_03M_QP	Margin : 6
Probe : CB1_FCC_EFS_30-1G-2_1011 - HORIZONTAL	Power : DC 5V (Power by PC)
EUT : Dual-band Wireless-AC1200 USB Adapter	Note : Mode 1: Transmit-5775MHz_802.11ac(80M)

		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		161.657	-13.668	32.867	19.199	-24.301	43.500	QUASIPEAK
2		239.102	-11.738	29.014	17.276	-28.724	46.000	QUASIPEAK
3		306.866	-9.758	26.019	16.261	-29.739	46.000	QUASIPEAK
4		533.393	-5.006	24.684	19.677	-26.323	46.000	QUASIPEAK
5		715.389	-4.030	23.902	19.872	-26.128	46.000	QUASIPEAK
6	*	959.341	-1.773	27.852	26.079	-19.921	46.000	QUASIPEAK

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

Site : CB1	Time : 2012/11/06 - 10:34
Limit : FCC_CLASS_B_03M_QP	Margin : 6
Probe : CB1_FCC_EFS_30-1G-2_1011 - VERTICAL	Power : DC 5V (Power by PC)
EUT : Dual-band Wireless-AC1200 USB Adapter	Note : Mode 1: Transmit-5775MHz_802.11ac(80M)

		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		161.657	-13.668	33.832	20.164	-23.336	43.500	QUASIPEAK
2		181.018	-14.528	31.714	17.187	-26.313	43.500	QUASIPEAK
3		239.102	-11.738	28.637	16.899	-29.101	46.000	QUASIPEAK
4		488.862	-5.358	25.415	20.057	-25.943	46.000	QUASIPEAK
5		697.964	-4.239	24.154	19.915	-26.085	46.000	QUASIPEAK
6	*	959.341	-1.773	27.660	25.887	-20.113	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 : 2012/12/06 - 10:52
Limit : FCC_SpartC_15.247_H_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	Power : DC 5V (Power by PC)
EUT : Dual-band Wireless-AC1200 USB Adapter	Note : Mode 1: Transmit-2412MHz_802.11b
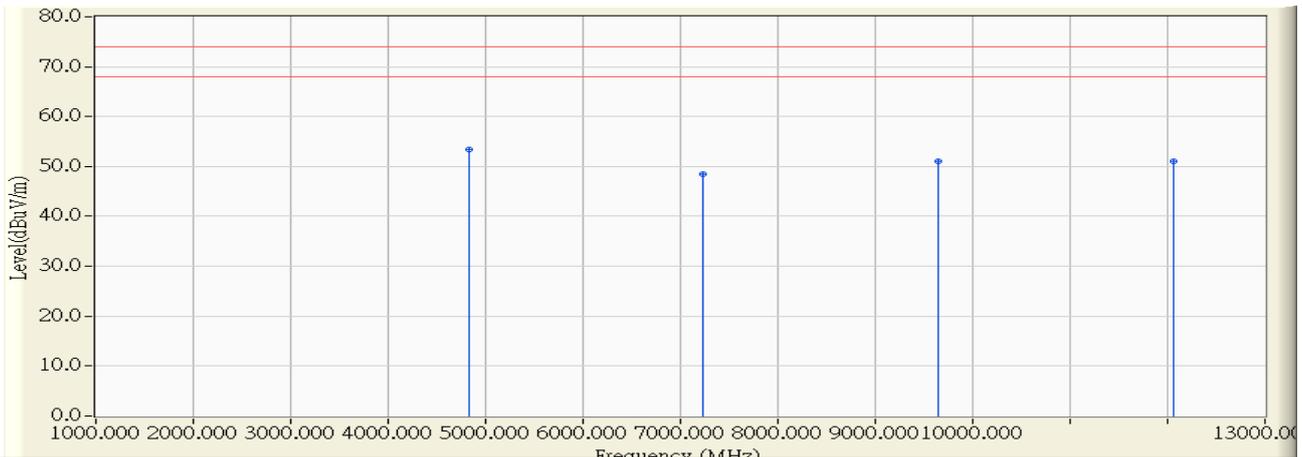
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	4823.920	-0.803	54.190	53.387	-20.613	74.000	PEAK
2		7235.600	5.495	42.890	48.386	-25.614	74.000	PEAK
3		9648.280	9.233	41.910	51.143	-22.857	74.000	PEAK
4		12059.120	11.525	39.570	51.095	-22.905	74.000	PEAK

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

Site : CB1	Time : 2012/12/06 - 10:52
Limit : FCC_SpartC_15.247_H_03M_AV	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	Power : DC 5V (Power by PC)
EUT : Dual-band Wireless-AC1200 USB Adapter	Note : Mode 1: Transmit-2412MHz_802.11b

		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	4823.880	-0.803	51.100	50.297	-3.703	54.000	AVERAGE

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

| Site : CB1	Time : 2012/12/06 - 10:20
Limit : FCC_SpartC_15.247_H_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	Power : DC 5V (Power by PC)
EUT : Dual-band Wireless-AC1200 USB Adapter	Note : Mode 1: Transmit-2412MHz_802.11b
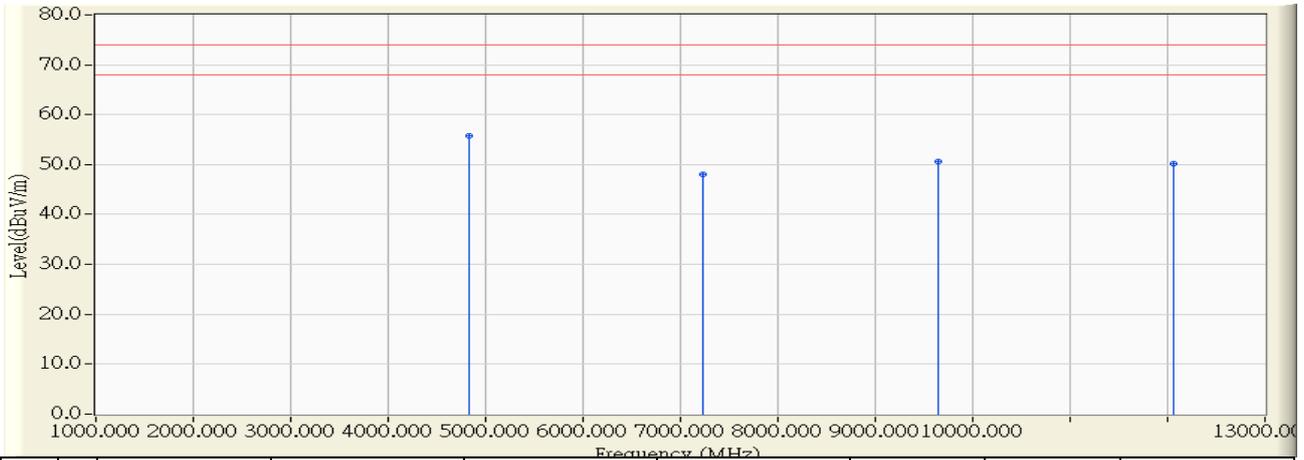
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	4824.000	-0.803	56.460	55.657	-18.343	74.000	PEAK
2		7232.720	5.488	42.450	47.939	-26.061	74.000	PEAK
3		9648.040	9.230	41.400	50.631	-23.369	74.000	PEAK
4		12060.920	11.525	38.620	50.145	-23.855	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 : 2013/02/08 - 12:41
Limit : FCC_SpartC_15.247_H_03M_AV	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	Power : DC 5V (Power by PC)
EUT : Dual-band Wireless-AC1200 USB Adapter	Note : Mode 1: Transmit-2412MHz_802.11b
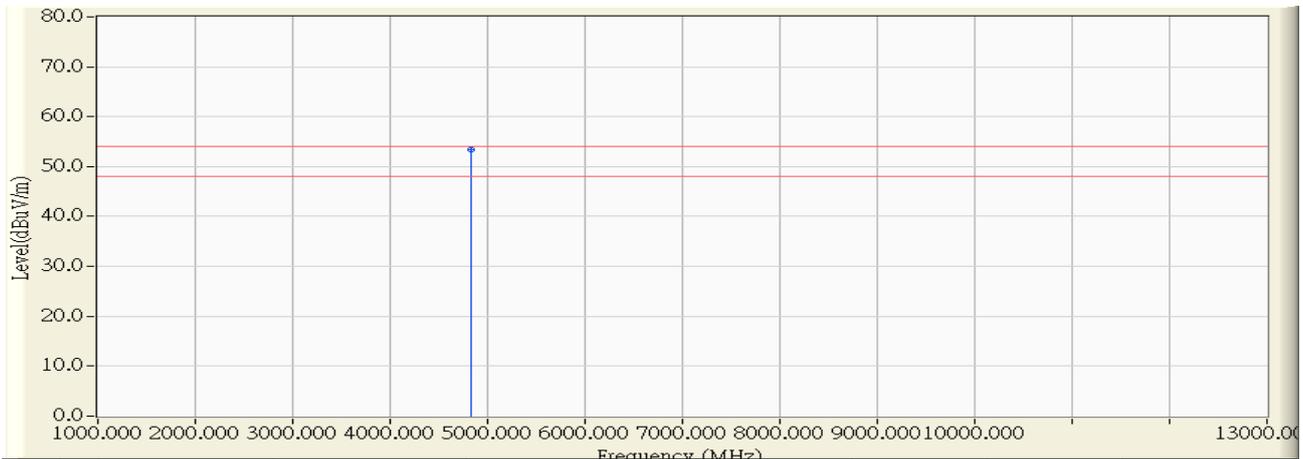
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	4823.920	-0.803	52.770	51.967	-2.033	54.000	AVERAGE

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

| Site : CB1	Time : 2012/12/06 - 11:07
Limit : FCC_SpartC_15.247_H_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	Power : DC 5V (Power by PC)
EUT : Dual-band Wireless-AC1200 USB Adapter	Note : Mode 1: Transmit-2437MHz_802.11b
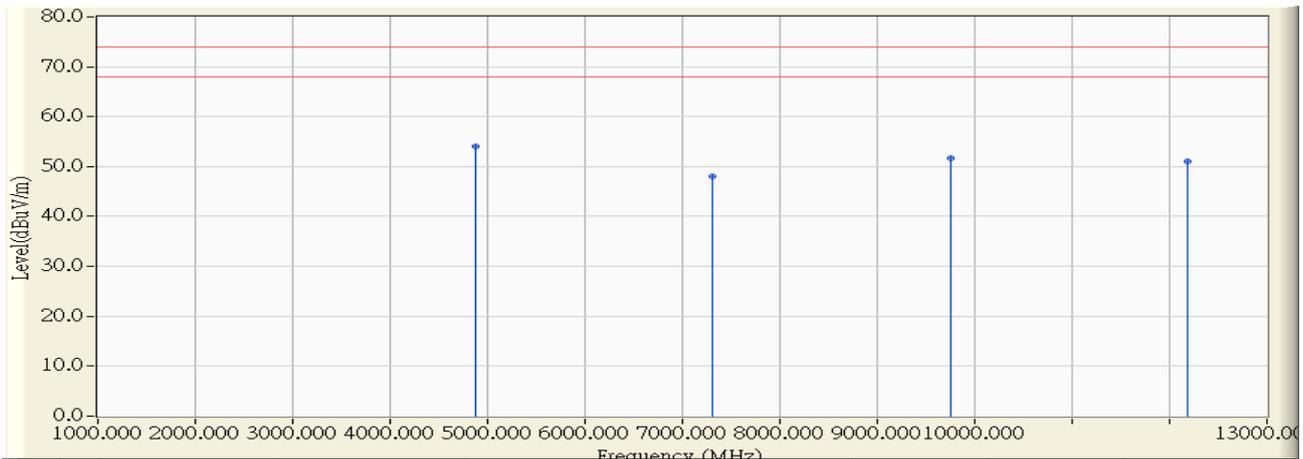
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	4874.040	-0.672	54.730	54.058	-19.942	74.000	PEAK
2		7308.840	5.672	42.440	48.112	-25.888	74.000	PEAK
3		9754.360	10.002	41.730	51.732	-22.268	74.000	PEAK
4		12178.160	11.484	39.460	50.944	-23.056	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 : 2013/02/08 - 11:47
Limit : FCC_SpartC_15.247_H_03M_AV	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	Power : DC 5V (Power by PC)
EUT : Dual-band Wireless-AC1200 USB Adapter	Note : Mode 1: Transmit-2437MHz_802.11b
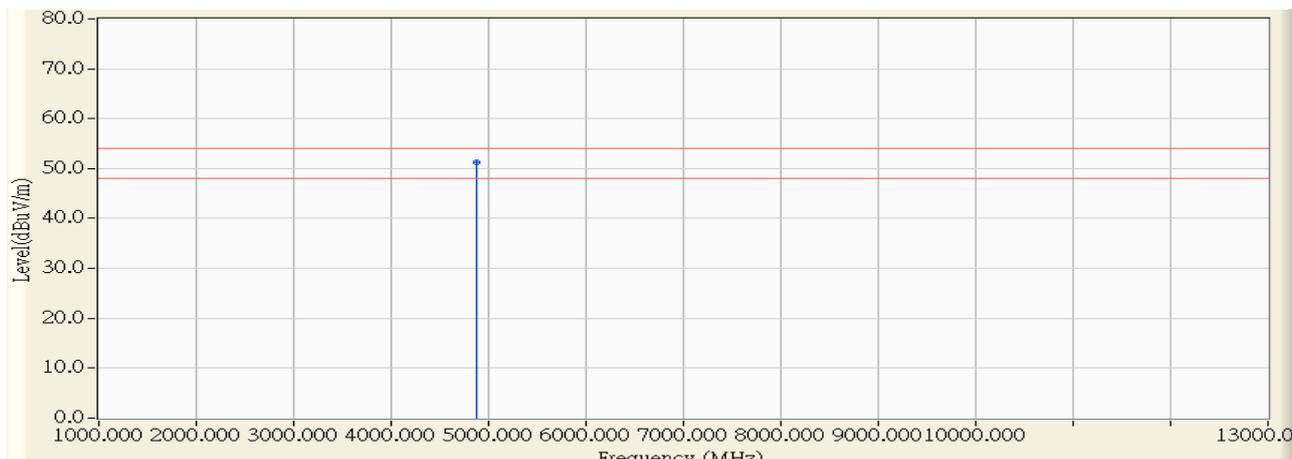
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	4874.000	-0.672	51.840	51.168	-2.832	54.000	AVERAGE

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

| Site : CB1	Time : 2012/12/06 - 11:00
Limit : FCC_SpartC_15.247_H_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	Power : DC 5V (Power by PC)
EUT : Dual-band Wireless-AC1200 USB Adapter	Note : Mode 1: Transmit-2437MHz_802.11b
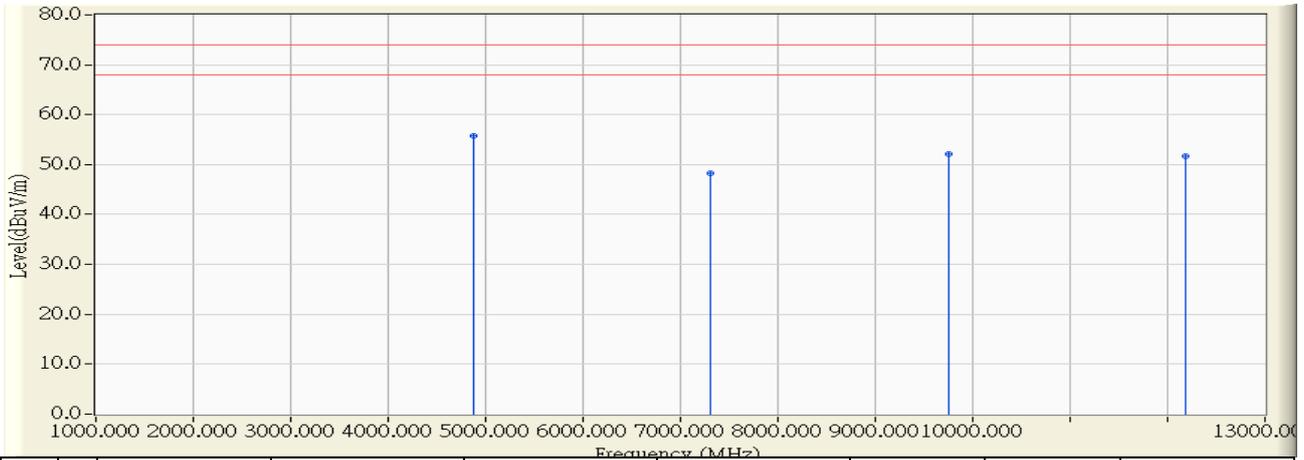
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	4873.920	-0.672	56.460	55.788	-18.212	74.000	PEAK
2		7307.120	5.668	42.560	48.228	-25.772	74.000	PEAK
3		9747.800	9.954	42.140	52.094	-21.906	74.000	PEAK
4		12182.720	11.482	40.140	51.622	-22.378	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 : 2013/02/08 - 12:55
Limit : FCC_SpartC_15.247_H_03M_AV	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	Power : DC 5V (Power by PC)
EUT : Dual-band Wireless-AC1200 USB Adapter	Note : Mode 1: Transmit-2437MHz_802.11b
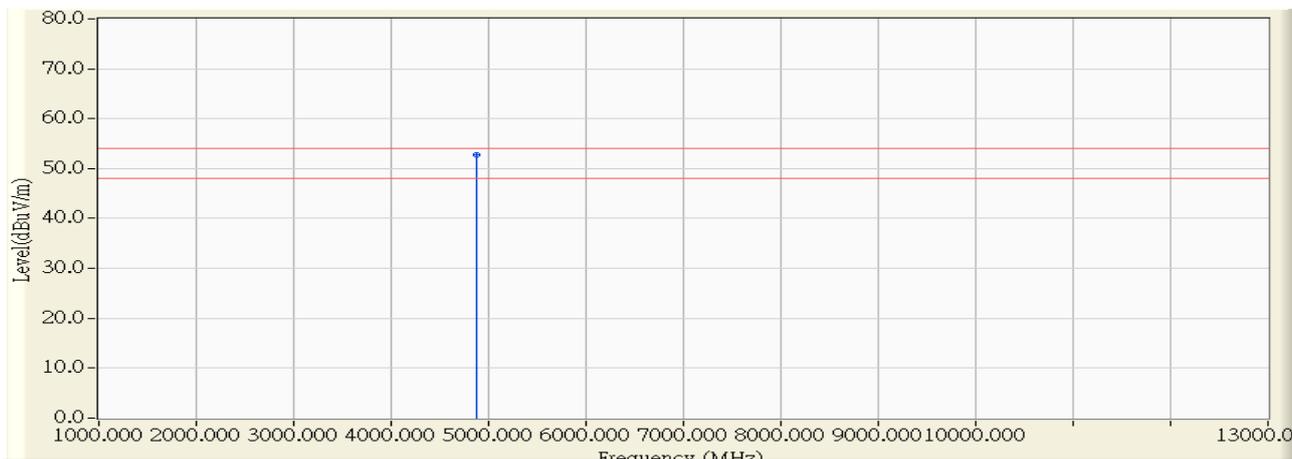
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	4874.000	-0.672	52.570	51.898	-2.102	54.000	AVERAGE

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

| Site : CB1	Time : 2012/12/06 - 11:44
Limit : FCC_SpartC_15.247_H_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	Power : DC 5V (Power by PC)
EUT : Dual-band Wireless-AC1200 USB Adapter	Note : Mode 1: Transmit-2462MHz_802.11b
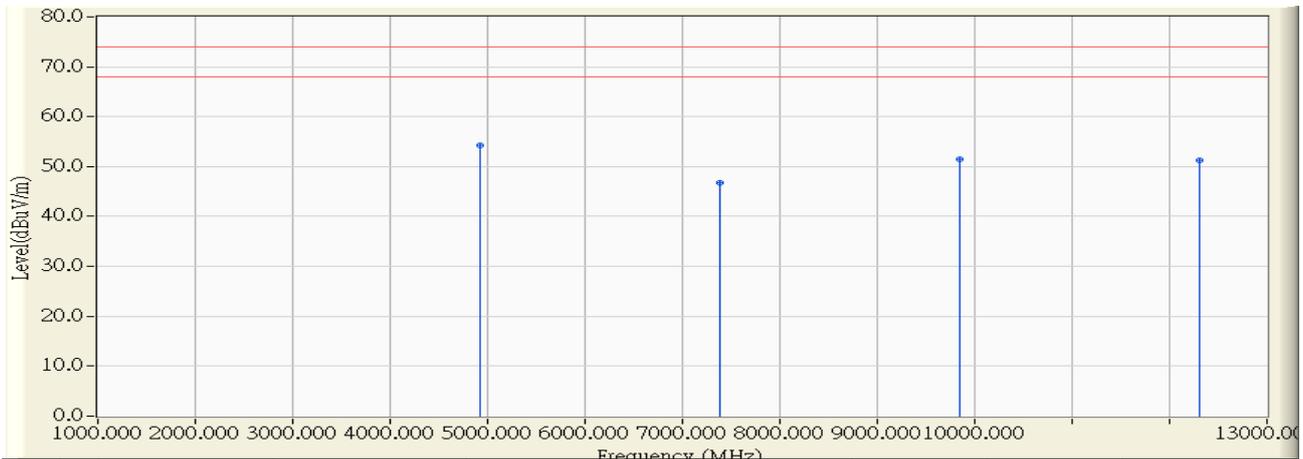
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	4924.000	-0.541	54.860	54.319	-19.681	74.000	PEAK
2		7384.440	5.855	40.920	46.775	-27.225	74.000	PEAK
3		9845.040	10.659	40.860	51.519	-22.481	74.000	PEAK
4		12306.480	11.438	39.730	51.168	-22.832	74.000	PEAK

Note:

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

| Site : CB1	Time : 2012/12/06 - 11:45
Limit : FCC_SpartC_15.247_H_03M_AV	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	Power : DC 5V (Power by PC)
EUT : Dual-band Wireless-AC1200 USB Adapter	Note : Mode 1: Transmit-2462MHz_802.11b
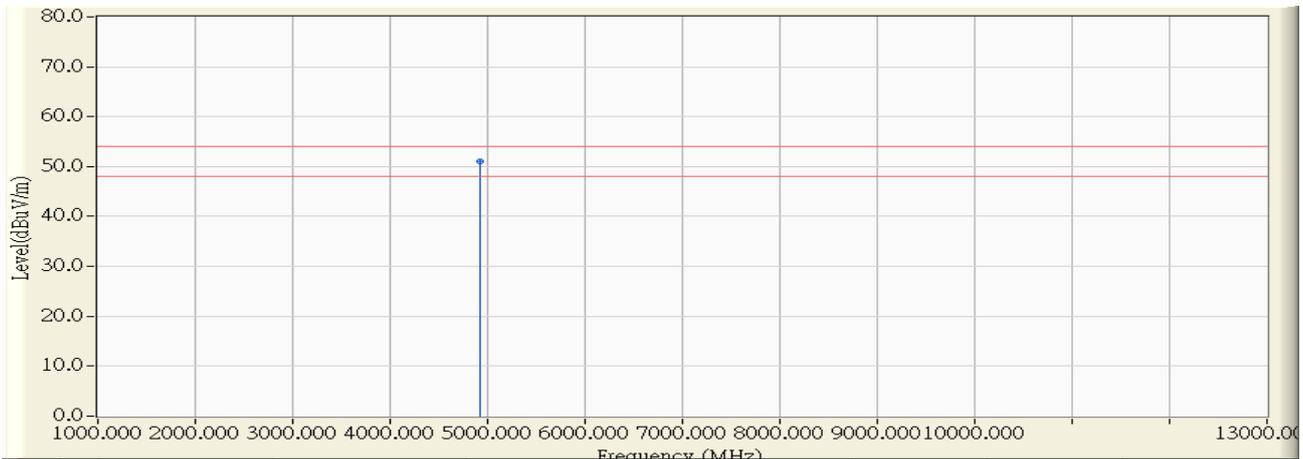
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	4924.000	-0.541	51.640	51.099	-2.901	54.000	AVERAGE

Note:

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

| Site : CB1	Time : 2012/12/06 - 11:25
Limit : FCC_SpartC_15.247_H_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	Power : DC 5V (Power by PC)
EUT : Dual-band Wireless-AC1200 USB Adapter	Note : Mode 1: Transmit-2462MHz_802.11b
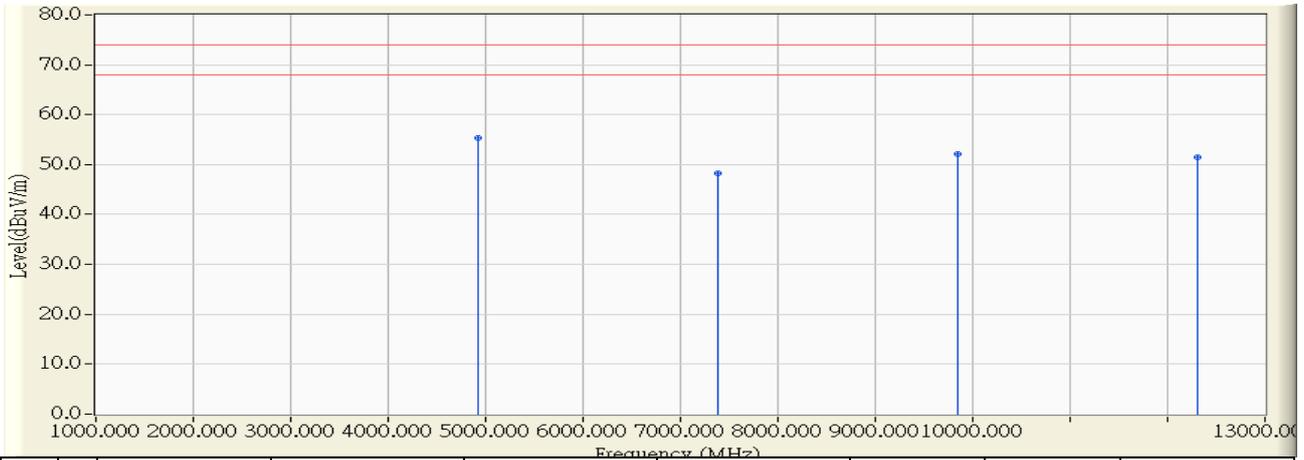
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	4924.000	-0.541	55.860	55.319	-18.681	74.000	PEAK
2		7383.080	5.851	42.510	48.361	-25.639	74.000	PEAK
3		9848.080	10.680	41.430	52.111	-21.889	74.000	PEAK
4		12311.400	11.436	40.100	51.537	-22.463	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.

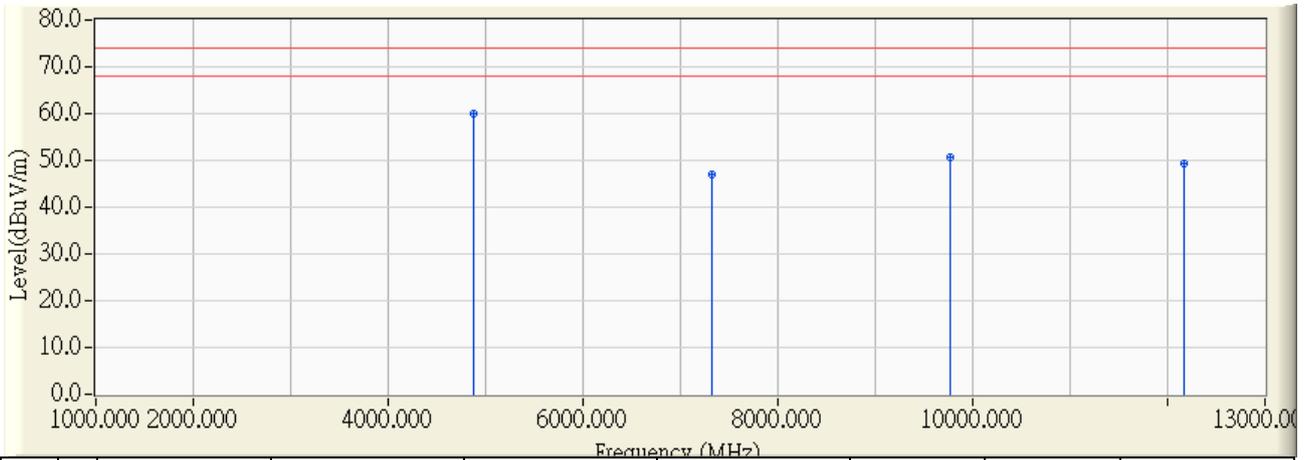| Site : CB1	Time : 2013/02/08 - 13:15
Limit : FCC_SpartC_15.247_H_03M_AV	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	Power : DC 5V (Power by PC)
EUT : Dual-band Wireless-AC1200 USB Adapter	Note : Mode 1: Transmit-2462MHz_802.11b
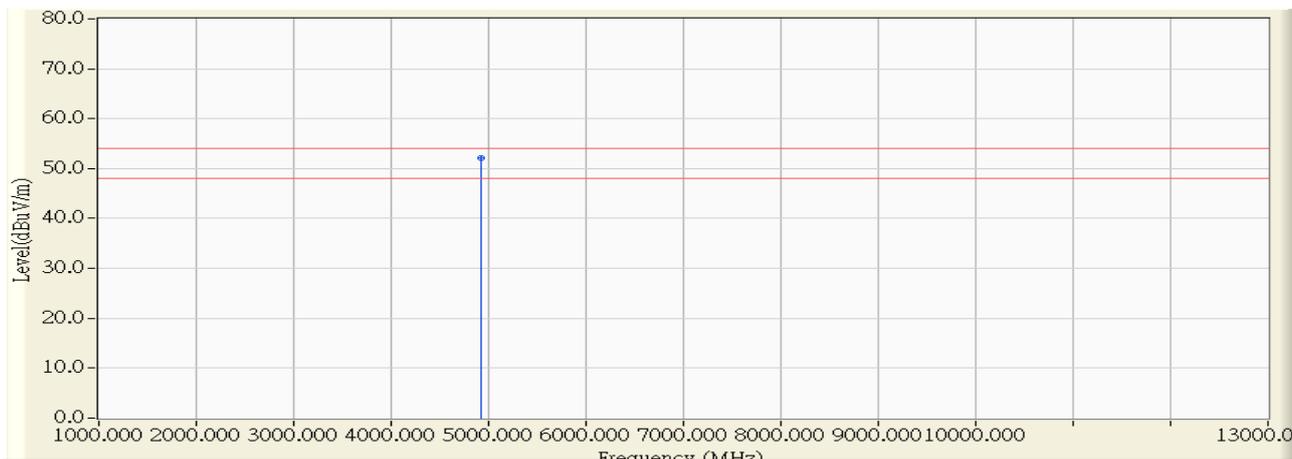
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	4924.000	-0.541	52.538	51.997	-2.003	54.000	AVERAGE

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

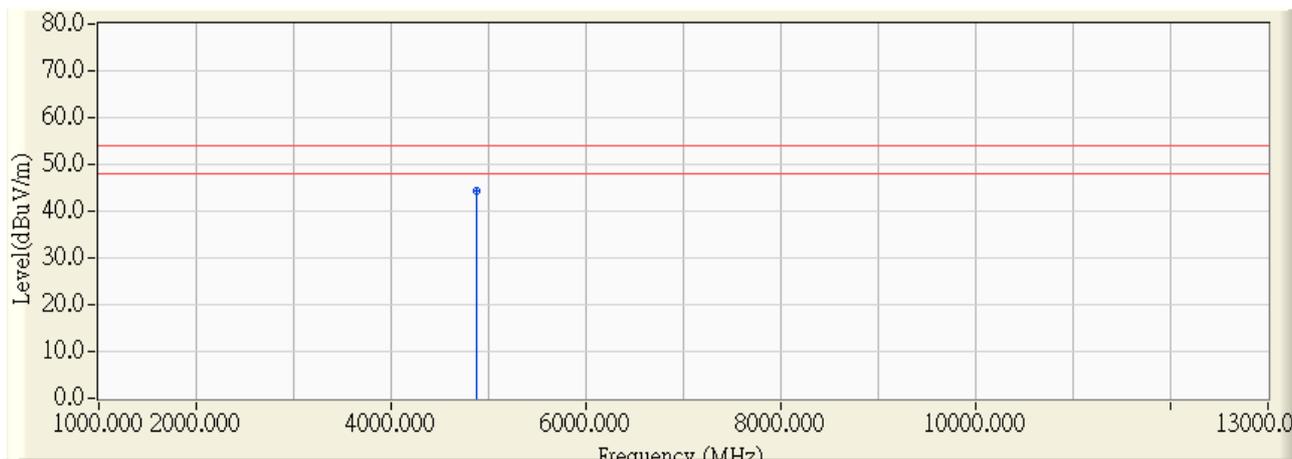| Site : CB1	Time : 2012/11/06 - 14:10
Limit : FCC_SpartC_15.247_H_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	Power : DC 5V (Power by PC)
EUT : Dual-band Wireless-AC1200 USB Adapter	Note : Mode 1: Transmit-2412MHz_802.11g
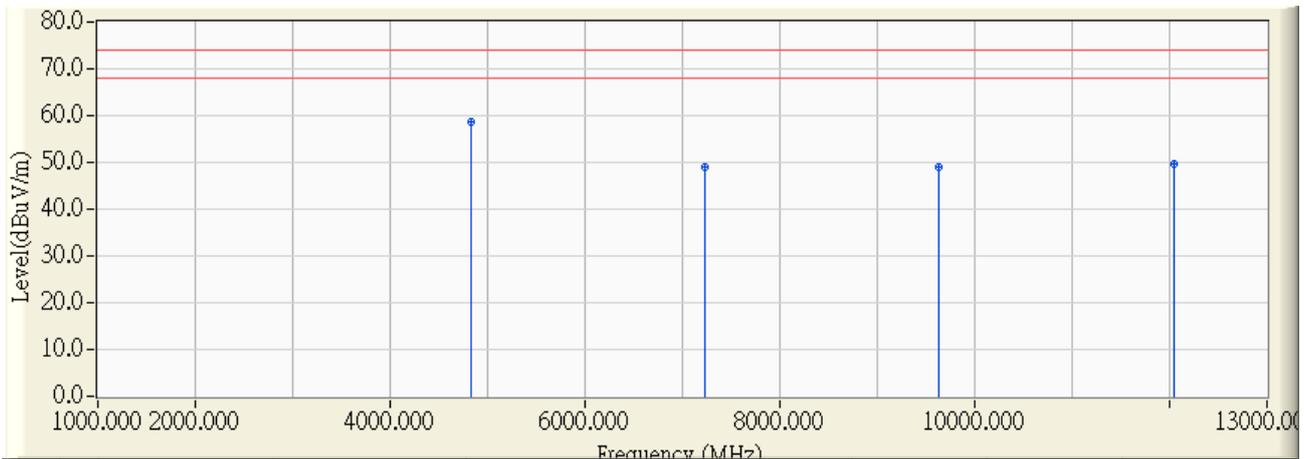
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	4823.100	-0.805	59.370	58.565	-15.435	74.000	PEAK
2		7232.800	5.489	43.580	49.069	-24.931	74.000	PEAK
3		9632.300	9.117	39.980	49.097	-24.903	74.000	PEAK
4		12045.500	11.530	38.270	49.800	-24.200	74.000	PEAK

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

Site : CB1	Time : 2012/11/06 - 14:11
Limit : FCC_SpartC_15.247_H_03M_AV	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	Power : DC 5V (Power by PC)
EUT : Dual-band Wireless-AC1200 USB Adapter	Note : Mode 1: Transmit-2412MHz_802.11g
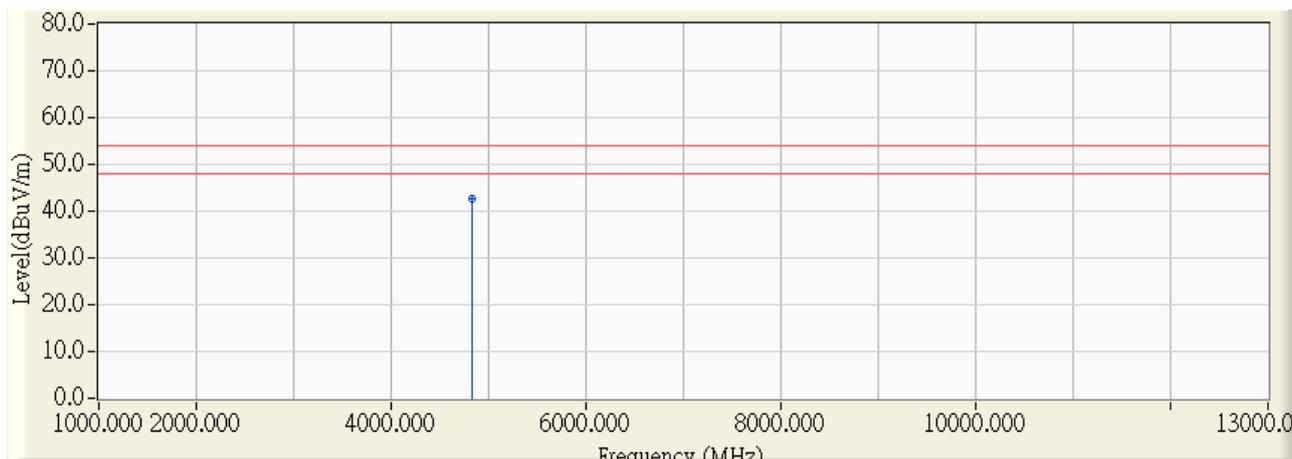
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	4823.700	-0.803	43.560	42.756	-11.244	54.000	AVERAGE

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

| Site : CB1	Time : 2012/11/06 - 14:24
Limit : FCC_SpartC_15.247_H_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	Power : DC 5V (Power by PC)
EUT : Dual-band Wireless-AC1200 USB Adapter	Note : Mode 1: Transmit-2412MHz_802.11g
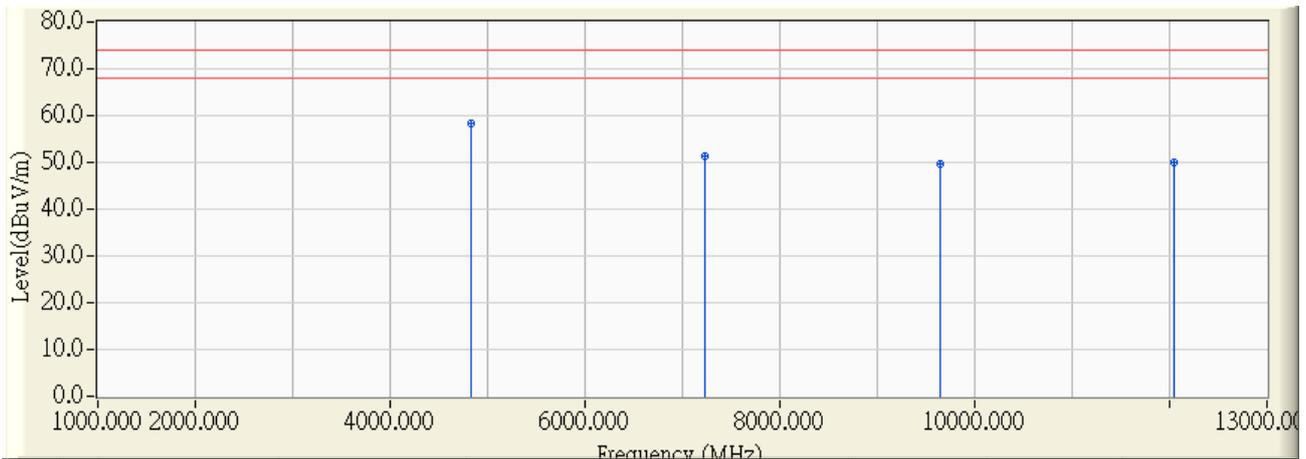
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	4823.200	-0.805	59.280	58.475	-15.525	74.000	PEAK
2		7227.900	5.477	45.780	51.257	-22.743	74.000	PEAK
3		9646.690	9.221	40.370	49.591	-24.409	74.000	PEAK
4		12044.000	11.530	38.430	49.961	-24.039	74.000	PEAK

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

| Site : CB1	Time : 2012/11/06 - 14:25
Limit : FCC_SpartC_15.247_H_03M_AV	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	Power : DC 5V (Power by PC)
EUT : Dual-band Wireless-AC1200 USB Adapter	Note : Mode 1: Transmit-2412MHz_802.11g
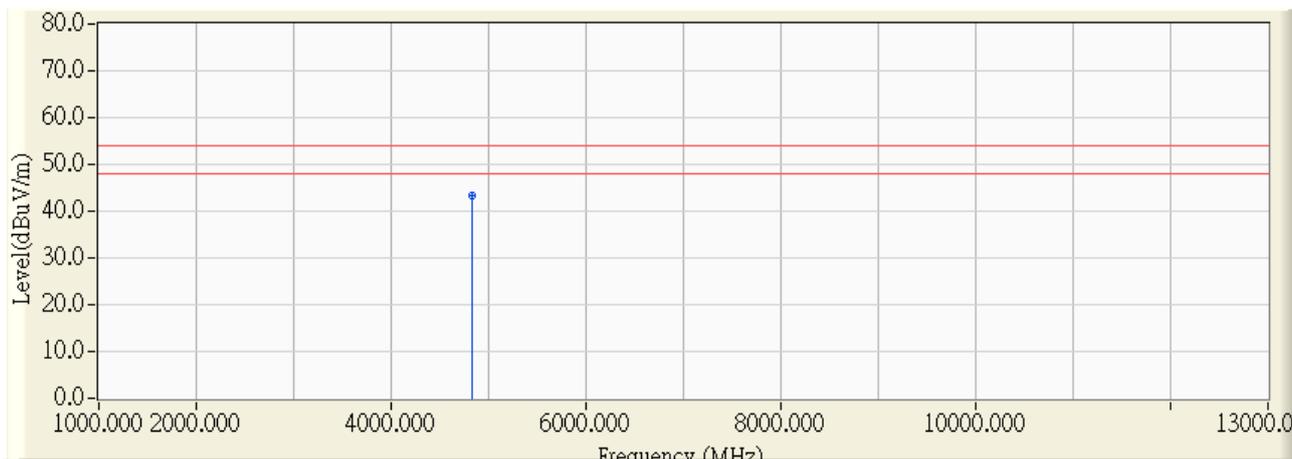
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	4823.300	-0.805	44.200	43.395	-10.605	54.000	AVERAGE

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

| Site : CB1	Time : 2012/11/06 - 14:28
Limit : FCC_SpartC_15.247_H_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	Power : DC 5V (Power by PC)
EUT : Dual-band Wireless-AC1200 USB Adapter	Note : Mode 1: Transmit-2437MHz_802.11g

		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	4878.400	-0.660	60.730	60.070	-13.930	74.000	PEAK
2		7317.900	5.694	41.350	47.044	-26.956	74.000	PEAK
3		9766.600	10.091	40.560	50.650	-23.350	74.000	PEAK
4		12162.400	11.490	37.930	49.419	-24.581	74.000	PEAK

Note:

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

| Site : CB1	Time : 2012/11/06 - 14:28
Limit : FCC_SpartC_15.247_H_03M_AV	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	Power : DC 5V (Power by PC)
EUT : Dual-band Wireless-AC1200 USB Adapter	Note : Mode 1: Transmit-2437MHz_802.11g

		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	4874.500	-0.671	45.010	44.339	-9.661	54.000	AVERAGE

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

Site : CB1	Time : 2012/11/06 - 14:46
Limit : FCC_SpartC_15.247_H_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	Power : DC 5V (Power by PC)
EUT : Dual-band Wireless-AC1200 USB Adapter	Note : Mode 1: Transmit-2437MHz_802.11g
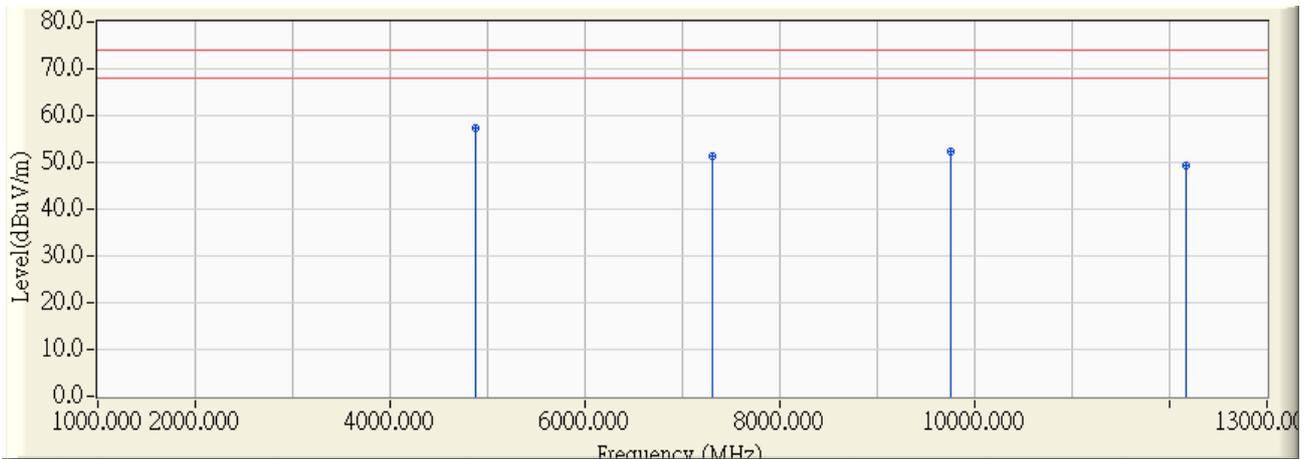
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	4873.100	-0.674	57.930	57.256	-16.744	74.000	PEAK
2		7309.700	5.674	45.630	51.304	-22.696	74.000	PEAK
3		9756.600	10.019	42.310	52.328	-21.672	74.000	PEAK
4		12166.100	11.487	37.820	49.308	-24.692	74.000	PEAK

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

| Site : CB1	Time : 2012/11/06 - 14:47
Limit : FCC_SpartC_15.247_H_03M_AV	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	Power : DC 5V (Power by PC)
EUT : Dual-band Wireless-AC1200 USB Adapter	Note : Mode 1: Transmit-2437MHz_802.11g
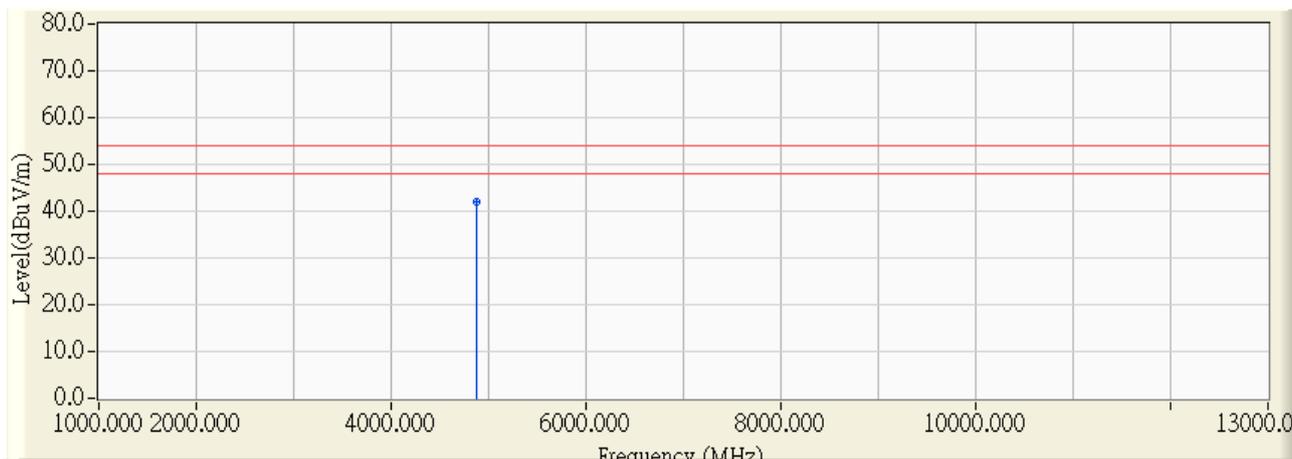
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	4873.200	-0.673	42.610	41.936	-12.064	54.000	AVERAGE

Note:

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

| Site : CB1	Time : 2012/11/06 - 14:59
Limit : FCC_SpartC_15.247_H_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	Power : DC 5V (Power by PC)
EUT : Dual-band Wireless-AC1200 USB Adapter	Note : Mode 1: Transmit-2462MHz_802.11g
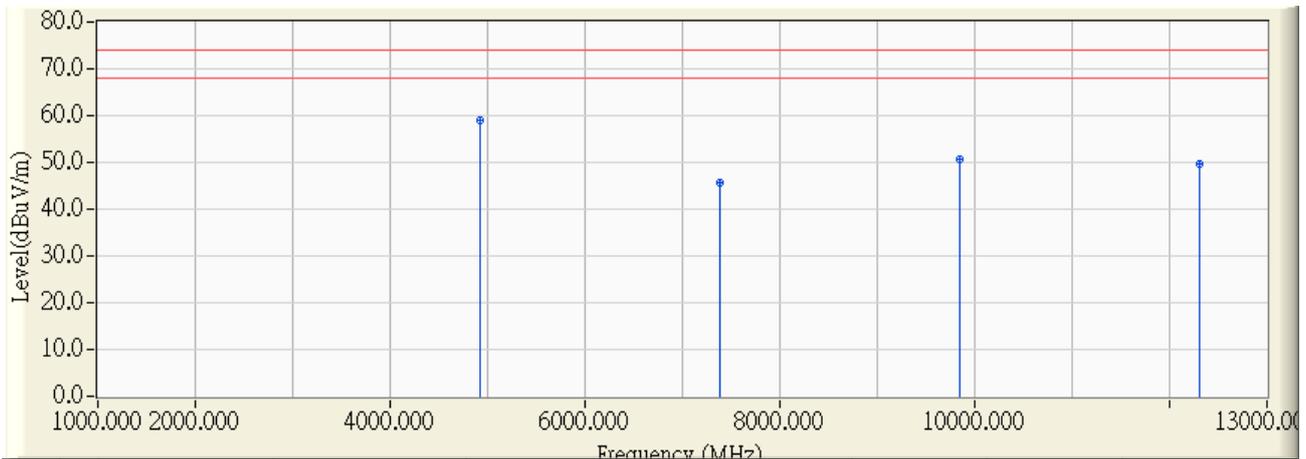
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	4928.300	-0.529	59.480	58.951	-15.049	74.000	PEAK
2		7390.000	5.868	39.670	45.538	-28.462	74.000	PEAK
3		9842.700	10.642	39.880	50.522	-23.478	74.000	PEAK
4		12308.000	11.438	38.080	49.518	-24.482	74.000	PEAK

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

Site : CB1	Time : 2012/11/06 - 15:00
Limit : FCC_SpartC_15.247_H_03M_AV	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	Power : DC 5V (Power by PC)
EUT : Dual-band Wireless-AC1200 USB Adapter	Note : Mode 1: Transmit-2462MHz_802.11g
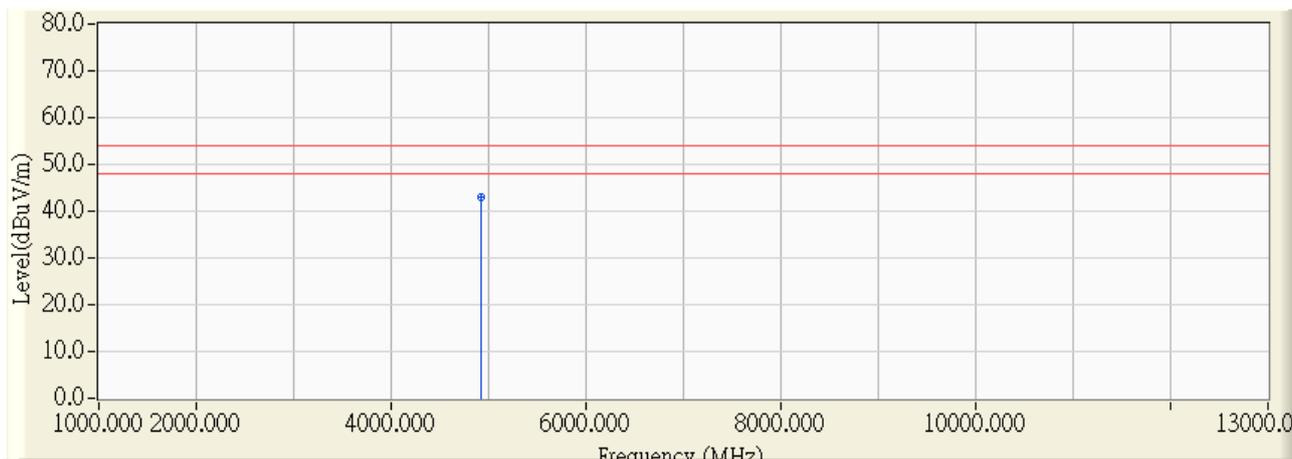
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	4923.400	-0.542	43.660	43.118	-10.882	54.000	AVERAGE

Note:

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

| Site : CB1	Time : 2012/11/06 - 15:09
Limit : FCC_SpartC_15.247_H_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	Power : DC 5V (Power by PC)
EUT : Dual-band Wireless-AC1200 USB Adapter	Note : Mode 1: Transmit-2462MHz_802.11g
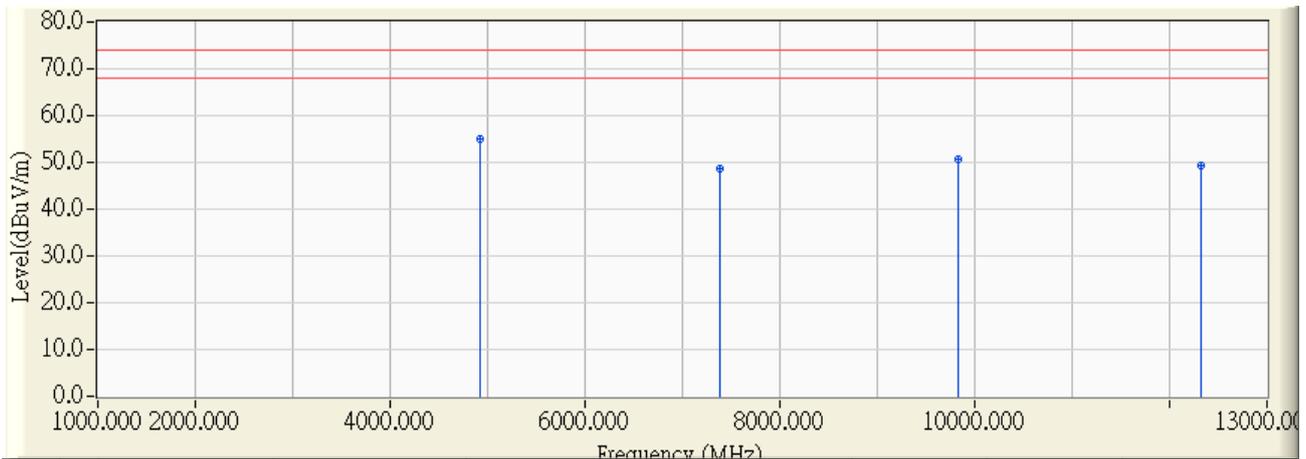
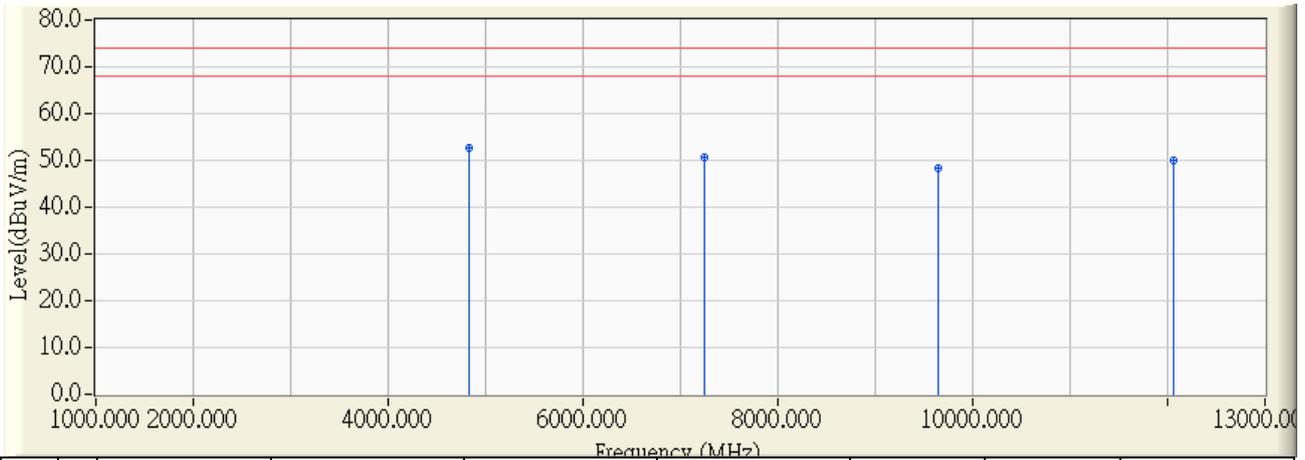|		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	4923.300	-0.542	55.570	55.027	-18.973	74.000	PEAK
2		7383.600	5.852	42.940	48.793	-25.207	74.000	PEAK
3		9827.700	10.533	40.000	50.533	-23.467	74.000	PEAK
4		12318.400	11.434	37.860	49.294	-24.706	74.000	PEAK

Note:

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

Site : CB1	Time : 2012/11/06 - 15:10
Limit : FCC_SpartC_15.247_H_03M_AV	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	Power : DC 5V (Power by PC)
EUT : Dual-band Wireless-AC1200 USB Adapter	Note : Mode 1: Transmit-2462MHz_802.11g
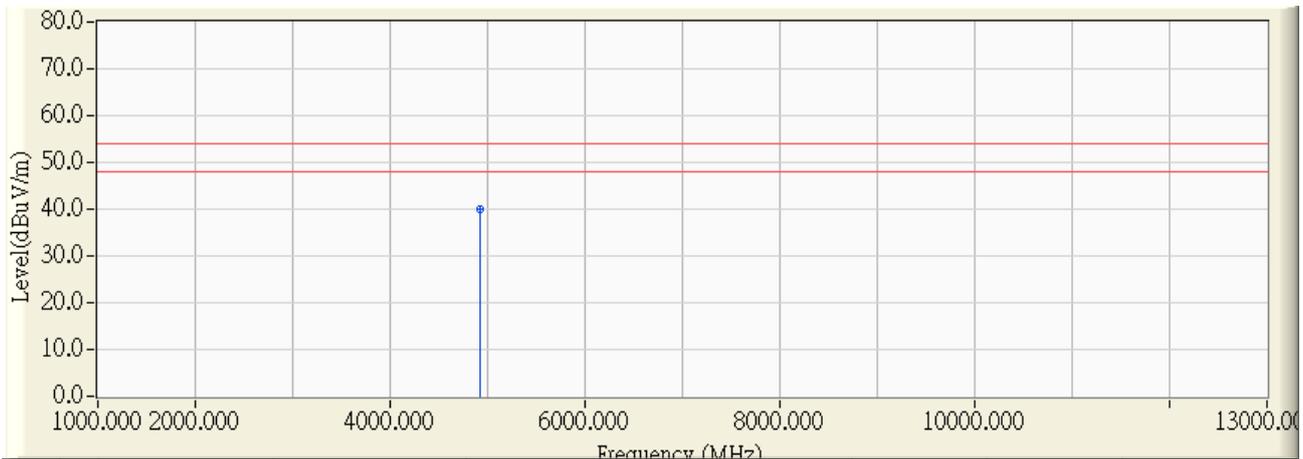
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	4923.700	-0.541	40.650	40.109	-13.891	54.000	AVERAGE

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

| Site : CB1	Time : 2012/09/10 - 15:44
Limit : FCC_SpartC_15.247_H_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	Power : DC 5V (Power by PC)
EUT : USB-AC53	Note : Mode 1: Transmit_2412MHz_802.11n(20M)
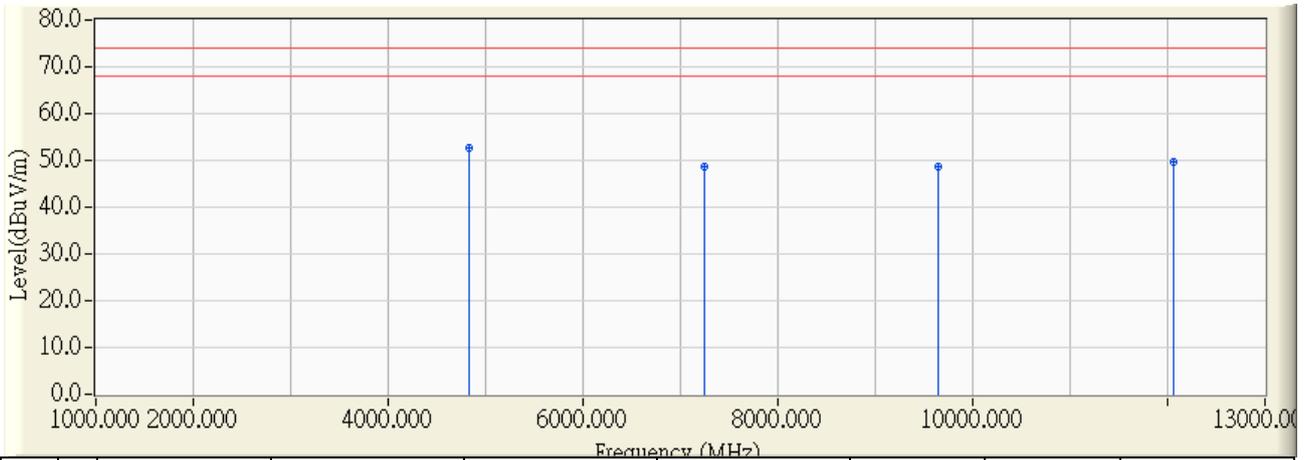
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	4825.900	-0.798	53.300	52.502	-21.498	74.000	PEAK
2		7240.600	5.507	43.150	48.658	-25.342	74.000	PEAK
3		9650.000	9.245	39.310	48.555	-25.445	74.000	PEAK
4		12062.900	11.524	38.130	49.654	-24.346	74.000	PEAK

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

| Site : CB1	Time : 2012/09/10 - 15:48
Limit : FCC_SpartC_15.247_H_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	Power : DC 5V (Power by PC)
EUT : USB-AC53	Note : Mode 1: Transmit_2412MHz_802.11n(20M)

		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	4831.800	-0.783	53.380	52.597	-21.403	74.000	PEAK
2		7246.600	5.522	45.070	50.592	-23.408	74.000	PEAK
3		9649.800	9.244	39.020	48.264	-25.736	74.000	PEAK
4		12064.000	11.523	38.430	49.954	-24.046	74.000	PEAK

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

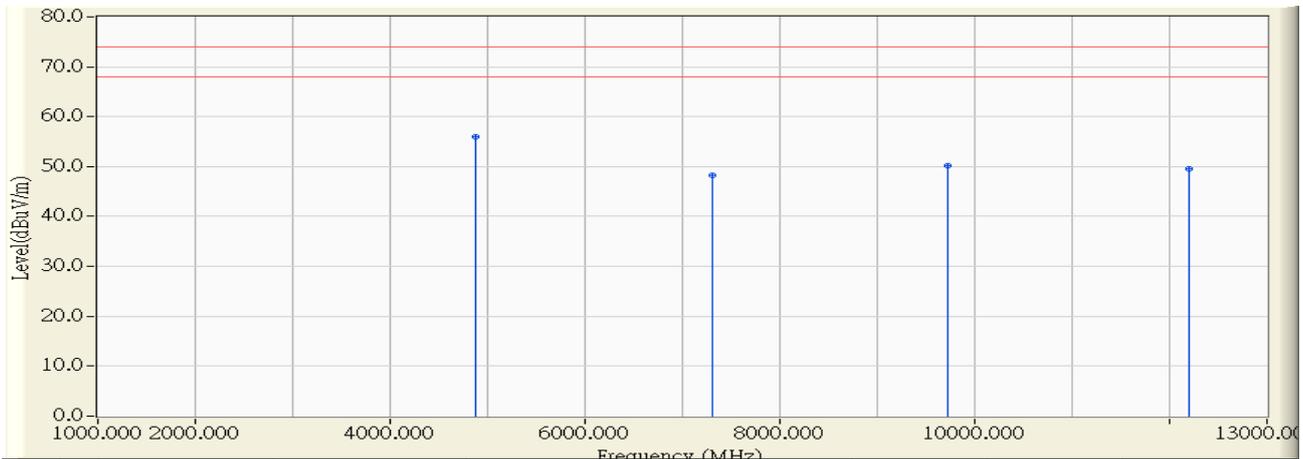| Site : CB1	Time : 2012/11/06 - 18:40
Limit : FCC_SpartC_15.247_H_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	Power : DC 5V (Power by PC)
EUT : Dual-band Wireless-AC1200 USB Adapter	Note : Mode 1: Transmit-2437MHz_802.11n(20M)
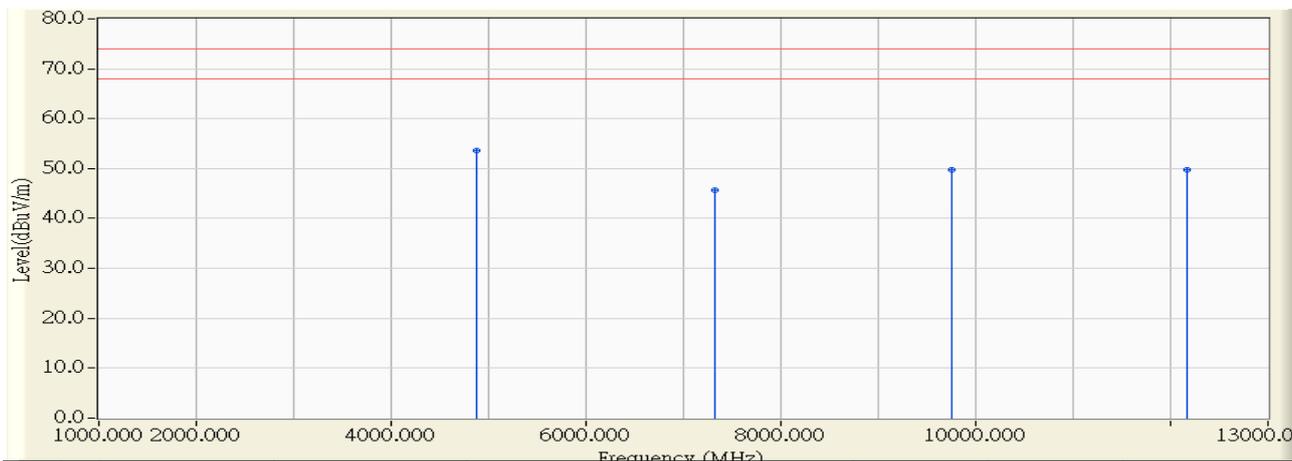
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	4874.200	-0.671	54.390	53.719	-20.281	74.000	PEAK
2		7317.500	5.694	39.980	45.673	-28.327	74.000	PEAK
3		9749.100	9.964	39.800	49.763	-24.237	74.000	PEAK
4		12163.600	11.489	38.330	49.819	-24.181	74.000	PEAK

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

Site : CB1	Time : 2012/11/06 - 18:42
Limit : FCC_SpartC_15.247_H_03M_AV	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	Power : DC 5V (Power by PC)
EUT : Dual-band Wireless-AC1200 USB Adapter	Note : Mode 1: Transmit-2437MHz_802.11n(20M)
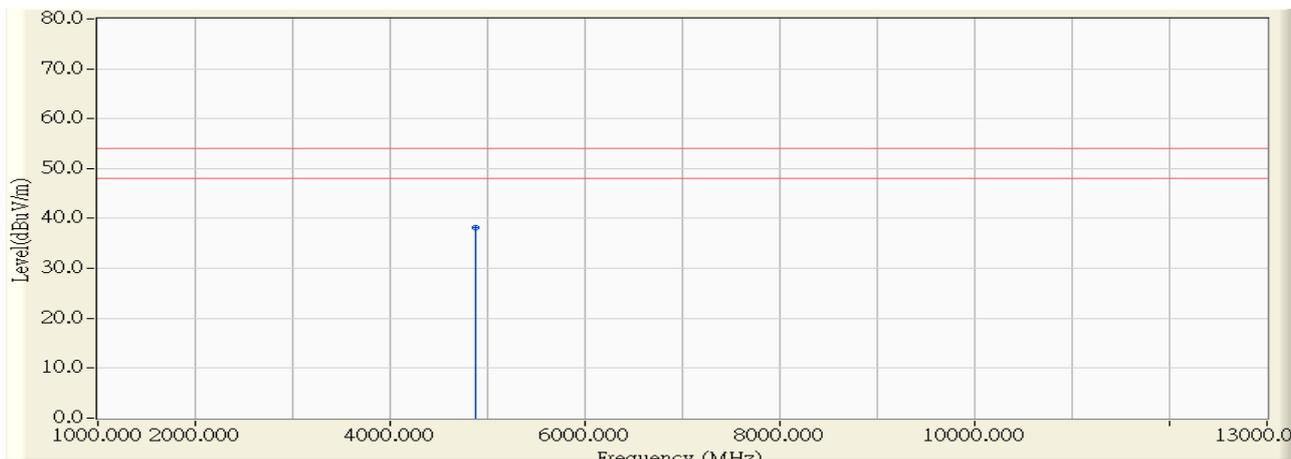
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	4874.700	-0.671	38.870	38.200	-15.800	54.000	AVERAGE

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

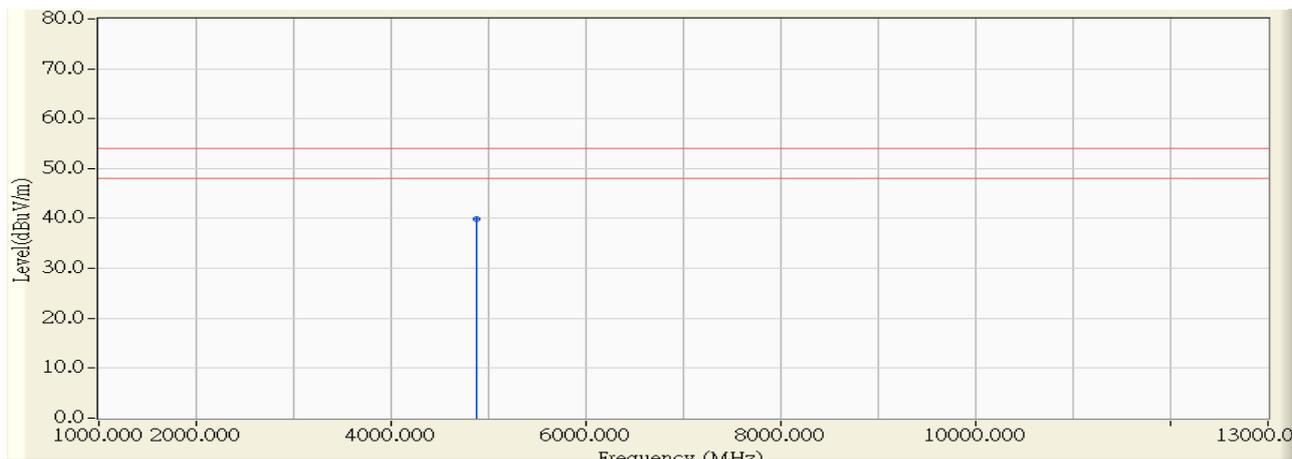| Site : CB1	Time : 2012/11/06 - 18:50
Limit : FCC_SpartC_15.247_H_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	Power : DC 5V (Power by PC)
EUT : Dual-band Wireless-AC1200 USB Adapter	Note : Mode 1: Transmit-2437MHz_802.11n(20M)

		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	4869.600	-0.684	56.740	56.057	-17.943	74.000	PEAK
2		7306.300	5.667	42.640	48.306	-25.694	74.000	PEAK
3		9726.600	9.801	40.320	50.120	-23.880	74.000	PEAK
4		12204.400	11.475	38.010	49.484	-24.516	74.000	PEAK

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

Site : CB1	Time : 2012/11/06 - 18:50
Limit : FCC_SpartC_15.247_H_03M_AV	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	Power : DC 5V (Power by PC)
EUT : Dual-band Wireless-AC1200 USB Adapter	Note : Mode 1: Transmit-2437MHz_802.11n(20M)

		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	4874.200	-0.671	40.650	39.979	-14.021	54.000	AVERAGE

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

| Site : CB1	Time : 2012/09/10 - 15:53
Limit : FCC_SpartC_15.247_H_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	Power : DC 5V (Power by PC)
EUT : USB-AC53	Note : Mode 1: Transmit_2462MHz_802.11n(20M)
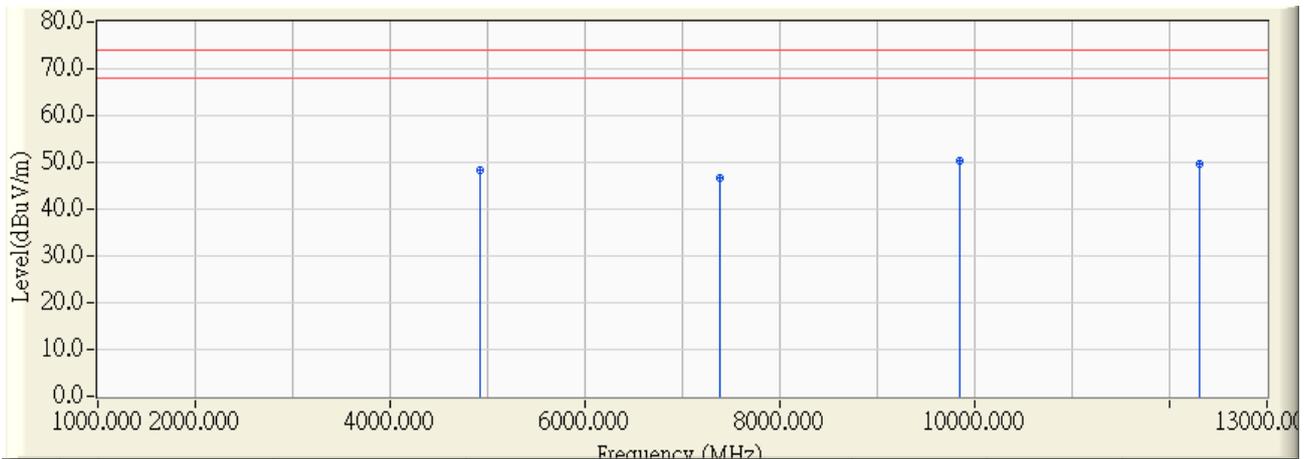
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4925.200	-0.538	48.800	48.262	-25.738	74.000	PEAK
2		7390.300	5.869	40.940	46.809	-27.191	74.000	PEAK
3	*	9851.000	10.702	39.610	50.312	-23.688	74.000	PEAK
4		12312.700	11.436	38.200	49.636	-24.364	74.000	PEAK

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

| Site : CB1	Time : 2012/09/10 - 15:56
Limit : FCC_SpartC_15.247_H_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	Power : DC 5V (Power by PC)
EUT : USB-AC53	Note : Mode 1: Transmit_2462MHz_802.11n(20M)
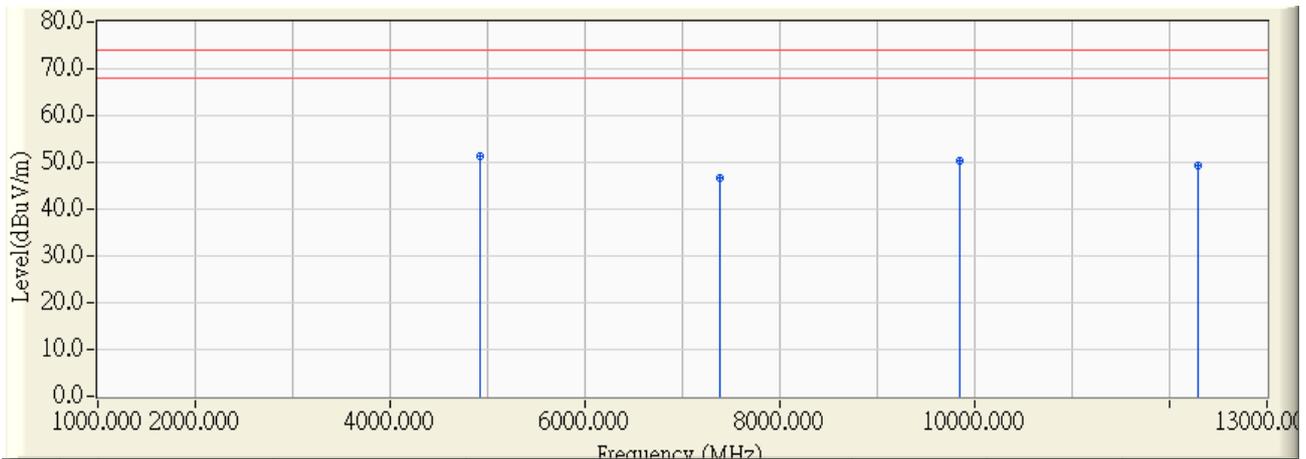
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	4919.500	-0.552	51.760	51.208	-22.792	74.000	PEAK
2		7382.300	5.850	40.830	46.679	-27.321	74.000	PEAK
3		9853.200	10.717	39.750	50.468	-23.532	74.000	PEAK
4		12298.100	11.441	37.940	49.381	-24.619	74.000	PEAK

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

| Site : CB1	Time : 2012/09/10 - 16:01
Limit : FCC_SpartC_15.247_H_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	Power : DC 5V (Power by PC)
EUT : USB-AC53	Note : Mode 1: Transmit_2422MHz_802.11n(40M)
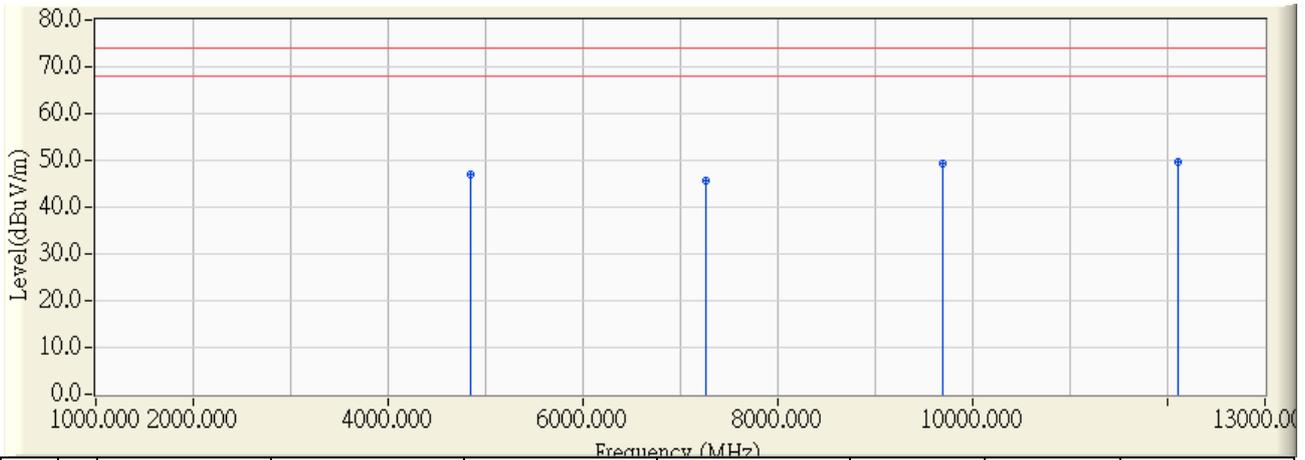
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4844.500	-0.749	47.890	47.141	-26.859	74.000	PEAK
2		7264.300	5.565	40.090	45.655	-28.345	74.000	PEAK
3		9694.100	9.566	39.660	49.225	-24.775	74.000	PEAK
4	*	12112.700	11.506	38.110	49.617	-24.383	74.000	PEAK

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

| Site : CB1	Time : 2012/09/10 - 16:06
Limit : FCC_SpartC_15.247_H_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	Power : DC 5V (Power by PC)
EUT : USB-AC53	Note : Mode 1: Transmit_2422MHz_802.11n(40M)
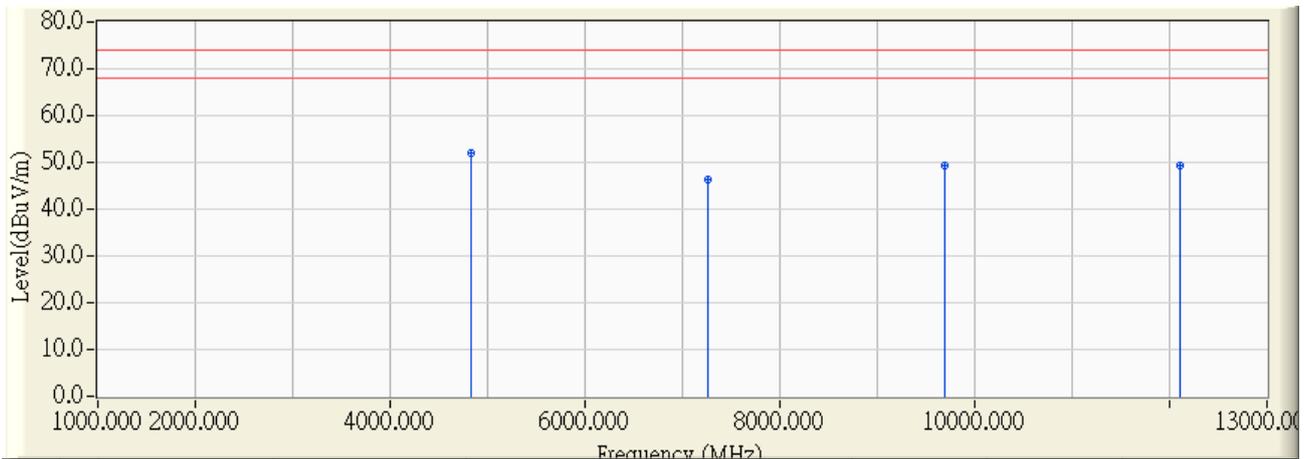
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	4837.700	-0.767	52.810	52.043	-21.957	74.000	PEAK
2		7259.700	5.553	40.940	46.494	-27.506	74.000	PEAK
3		9687.900	9.519	39.930	49.450	-24.550	74.000	PEAK
4		12114.200	11.506	37.770	49.276	-24.724	74.000	PEAK

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

| Site : CB1	Time : 2012/11/06 - 18:56
Limit : FCC_SpartC_15.247_H_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	Power : DC 5V (Power by PC)
EUT : Dual-band Wireless-AC1200 USB Adapter	Note : Mode 1: Transmit-2437MHz_802.11n(40M)
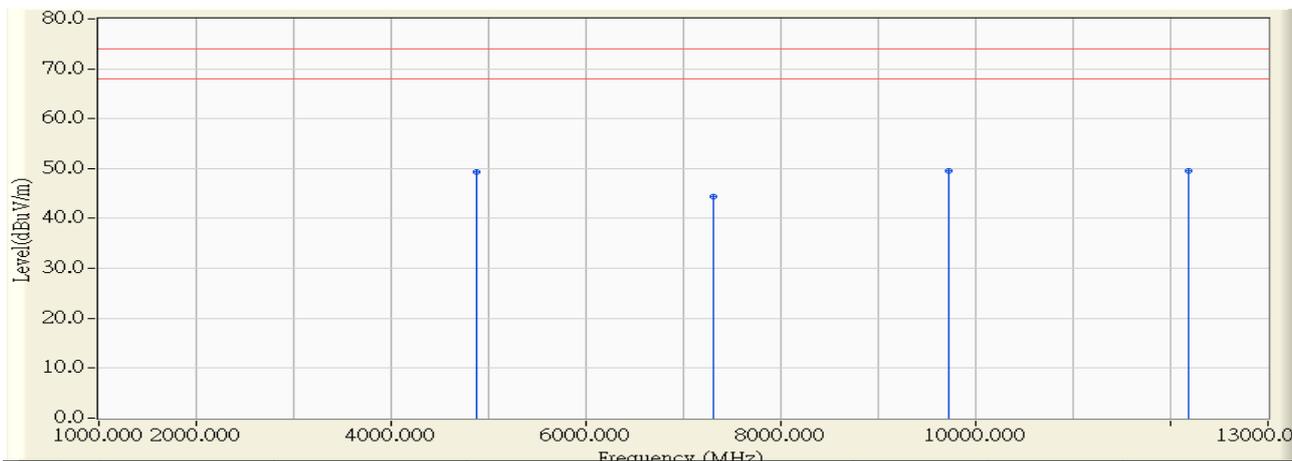
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4870.600	-0.681	50.040	49.359	-24.641	74.000	PEAK
2		7305.400	5.664	38.730	44.394	-9.606	54.000	PEAK
3	*	9717.800	9.737	39.860	49.597	-4.403	54.000	PEAK
4		12188.880	11.480	37.990	49.470	-4.530	54.000	PEAK

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

| Site : CB1	Time : 2012/11/06 - 19:06
Limit : FCC_SpartC_15.247_H_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	Power : DC 5V (Power by PC)
EUT : Dual-band Wireless-AC1200 USB Adapter	Note : Mode 1: Transmit-2437MHz_802.11n(40M)
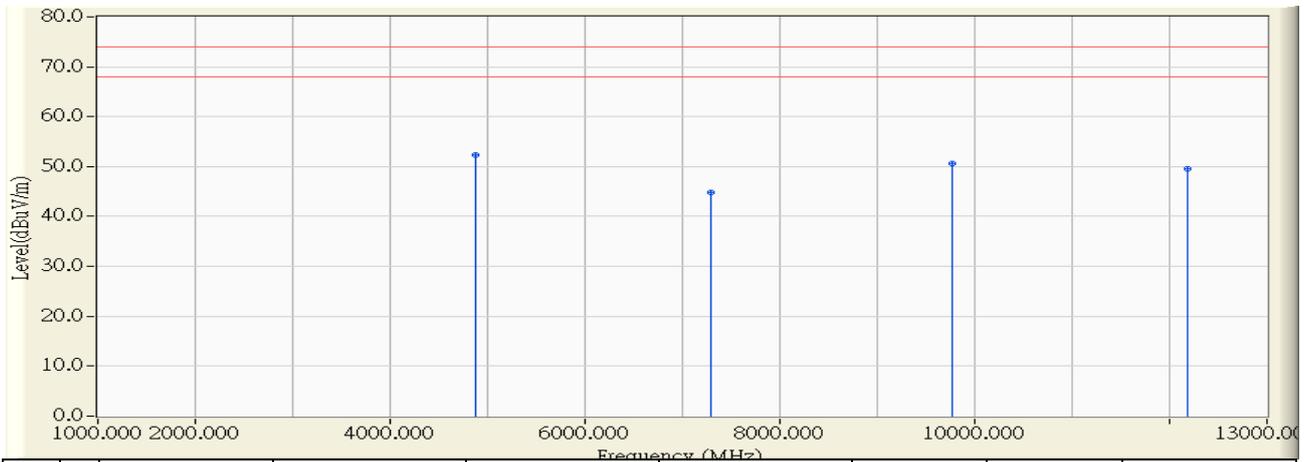
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	4875.400	-0.668	53.060	52.392	-21.608	74.000	PEAK
2		7299.200	5.648	39.190	44.839	-29.161	74.000	PEAK
3		9762.600	10.062	40.520	50.581	-23.419	74.000	PEAK
4		12180.400	11.482	38.070	49.553	-24.447	74.000	PEAK

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

Site : CB1	Time : 2012/09/10 - 16:11
Limit : FCC_SpartC_15.247_H_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	Power : DC 5V (Power by PC)
EUT : Dual-band Wireless-AC1200 USB Adapter	Note : Mode 1: Transmit_2452MHz_802.11n(40M)
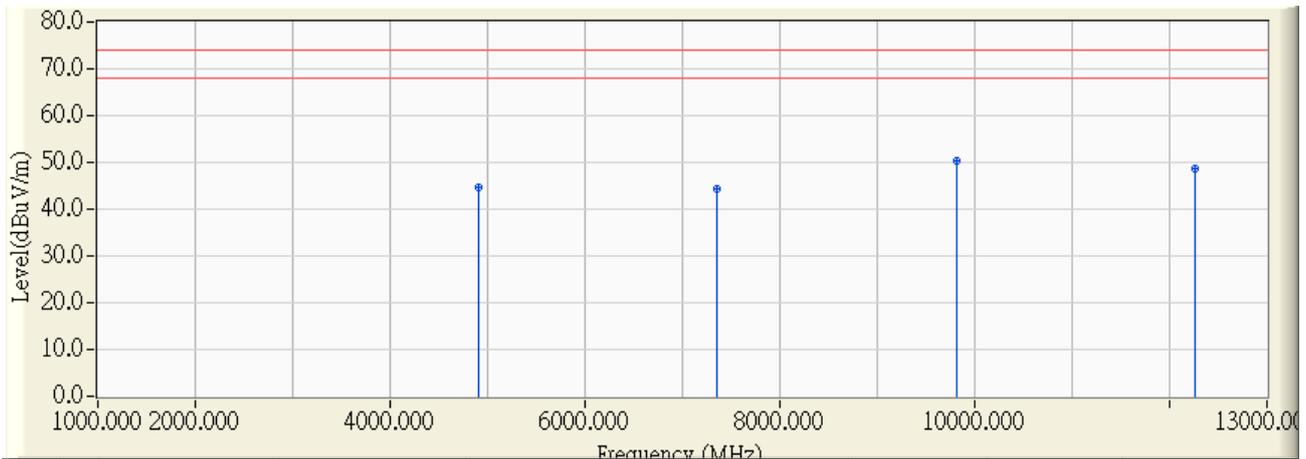
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4904.700	-0.592	45.240	44.649	-29.351	74.000	PEAK
2		7357.800	5.790	38.610	44.400	-29.600	74.000	PEAK
3	*	9821.500	10.489	39.910	50.398	-23.602	74.000	PEAK
4		12258.300	11.455	37.250	48.705	-25.295	74.000	PEAK

Note:

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

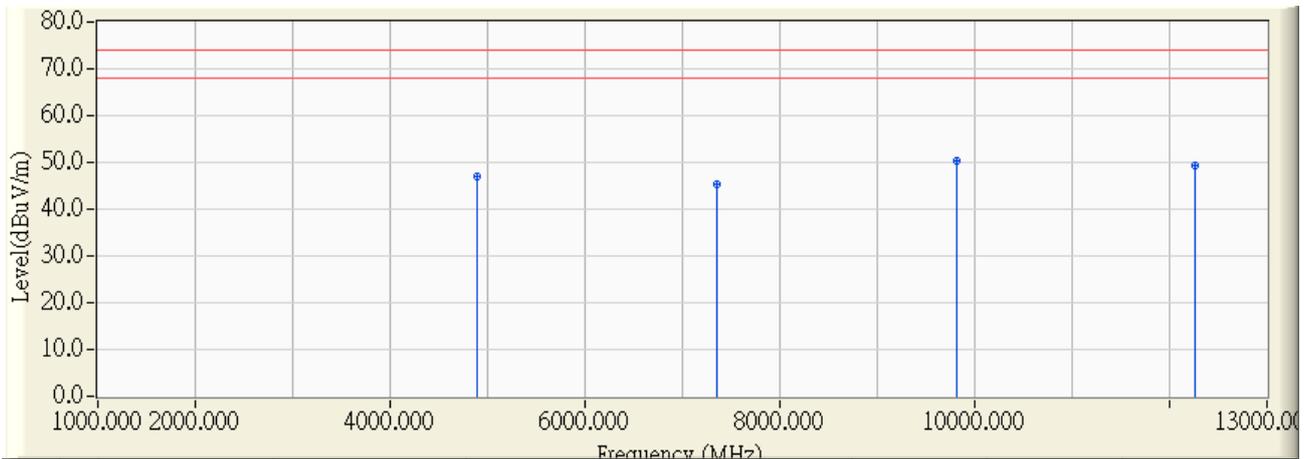| Site : CB1	Time : 2012/09/10 - 16:14
Limit : FCC_SpartC_15.247_H_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	Power : DC 5V (Power by PC)
EUT : Dual-band Wireless-AC1200 USB Adapter	Note : Mode 1: Transmit_2452MHz_802.11n(40M)

		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4897.700	-0.609	47.520	46.910	-27.090	74.000	PEAK
2		7349.300	5.770	39.430	45.200	-28.800	74.000	PEAK
3	*	9812.300	10.422	39.970	50.391	-23.609	74.000	PEAK
4		12259.800	11.455	37.760	49.215	-24.785	74.000	PEAK

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

Site : CB1	Time : 2012/11/19 - 17:35
Limit : FCC_SpartC_15.247_H_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	Power : DC 5V (Power by PC)
EUT : Dual-band Wireless-AC1200 USB Adapter	Note : Mode 1: Transmit-5745MHz_802.11a
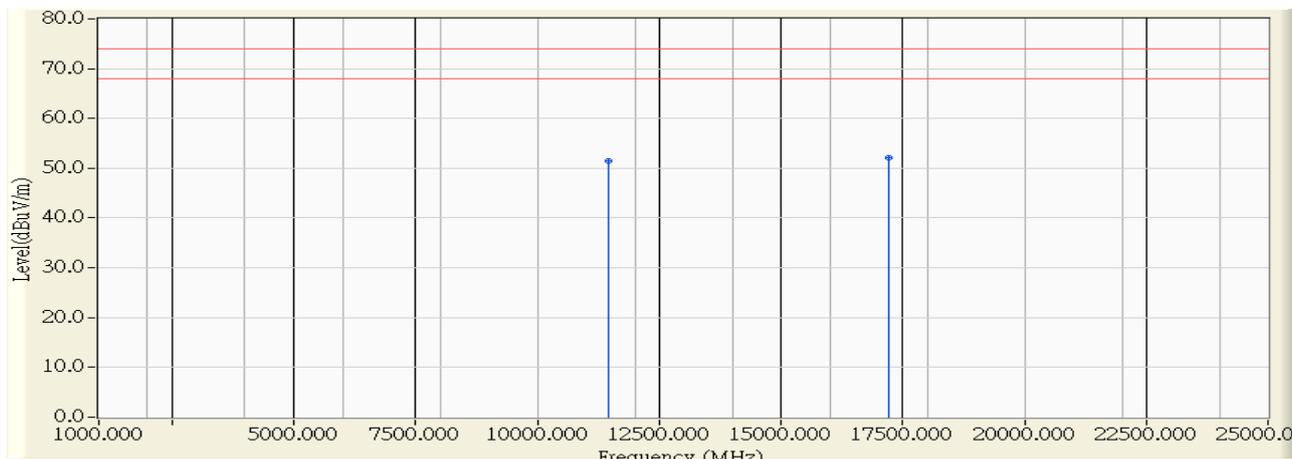
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		11465.700	12.147	39.410	51.558	-22.442	74.000	PEAK
2	*	17212.600	15.649	36.450	52.099	-21.901	74.000	PEAK

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

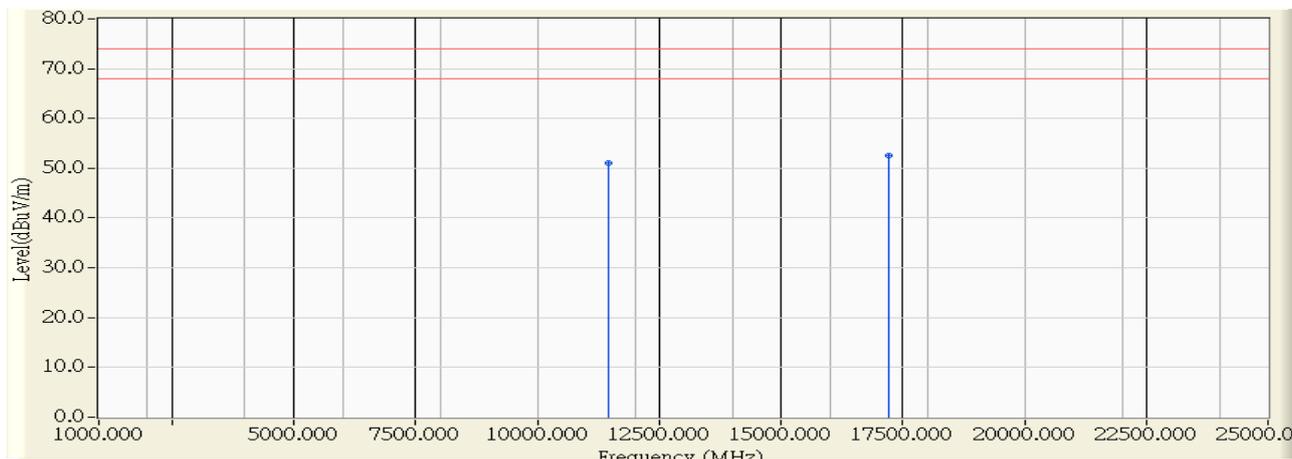| Site : CB1	Time : 2012/11/19 - 17:37
Limit : FCC_SpartC_15.247_H_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	Power : DC 5V (Power by PC)
EUT : Dual-band Wireless-AC1200 USB Adapter	Note : Mode 1: Transmit-5745MHz_802.11a

		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		11472.900	12.144	38.960	51.104	-22.896	74.000	PEAK
2	*	17224.200	15.697	36.890	52.586	-21.414	74.000	PEAK

Note:

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

Site : CB1	Time : 2012/11/19 - 17:43
Limit : FCC_SpartC_15.247_H_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	Power : DC 5V (Power by PC)
EUT : Dual-band Wireless-AC1200 USB Adapter	Note : Mode 1: Transmit-5785MHz_802.11a
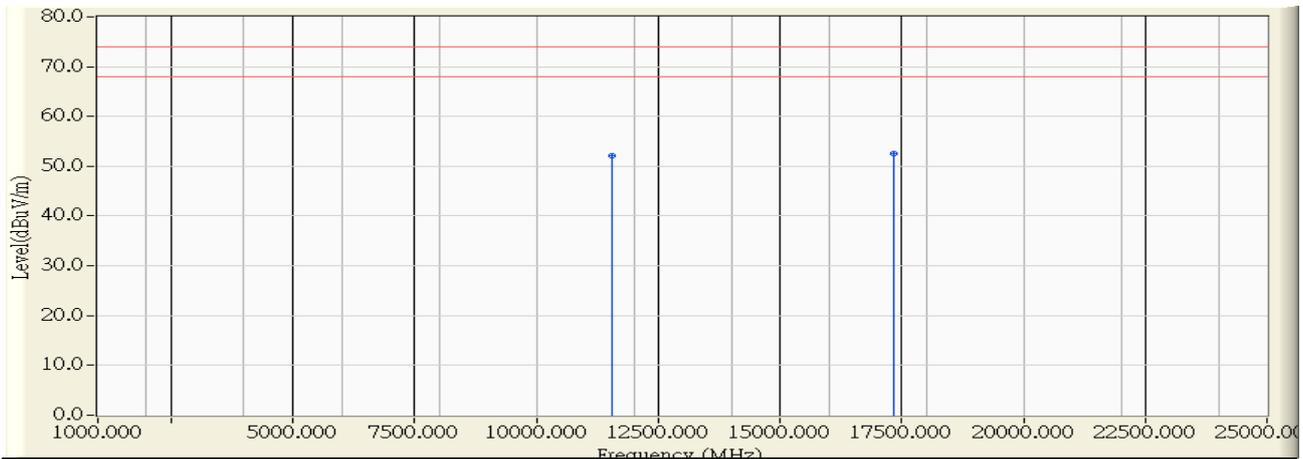
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		11564.900	12.054	39.960	52.014	-21.986	74.000	PEAK
2	*	17332.600	16.137	36.310	52.447	-21.553	74.000	PEAK

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

| Site : CB1	Time : 2012/11/19 - 17:44
Limit : FCC_SpartC_15.247_H_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	Power : DC 5V (Power by PC)
EUT : Dual-band Wireless-AC1200 USB Adapter	Note : Mode 1: Transmit-5785MHz_802.11a
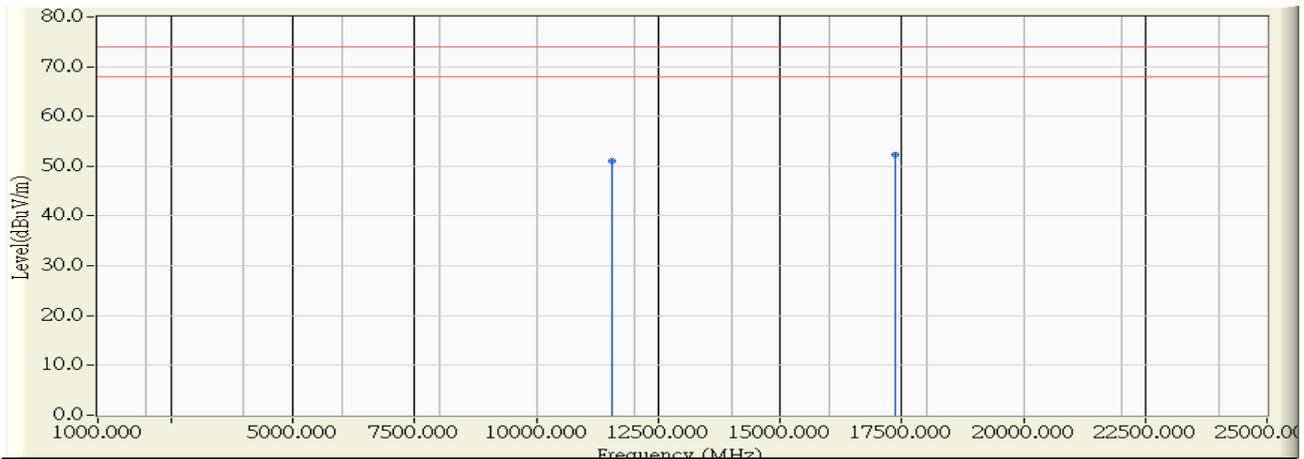
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		11545.400	12.078	38.900	50.977	-23.023	74.000	PEAK
2	*	17376.300	16.314	35.920	52.235	-21.765	74.000	PEAK

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

| Site : CB1	Time : 2012/11/19 - 17:47
Limit : FCC_SpartC_15.247_H_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	Power : DC 5V (Power by PC)
EUT : Dual-band Wireless-AC1200 USB Adapter	Note : Mode 1: Transmit-5825MHz_802.11a
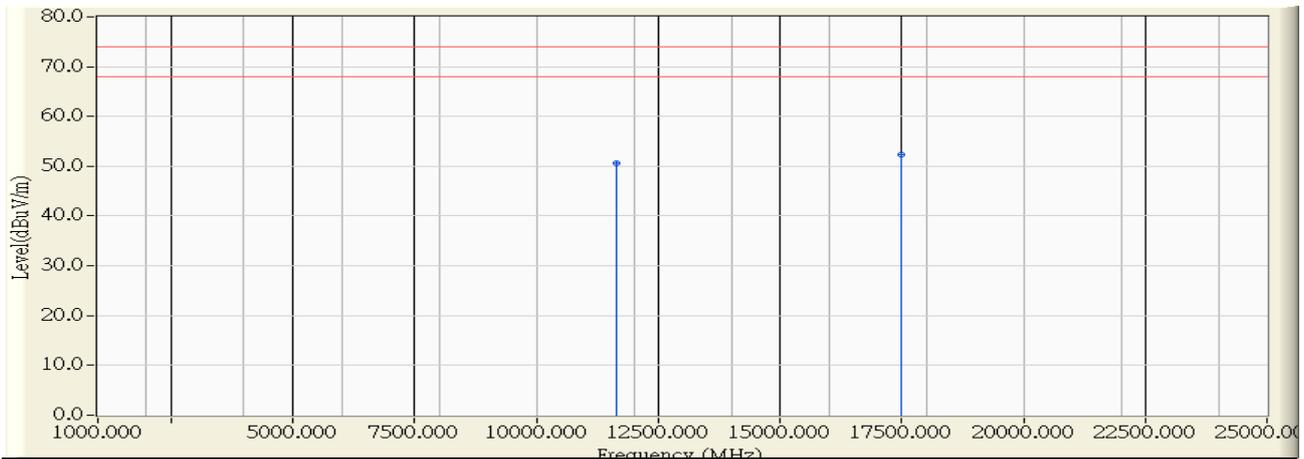
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		11631.000	11.978	38.660	50.638	-23.362	74.000	PEAK
2	*	17492.500	16.794	35.570	52.364	-21.636	74.000	PEAK

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

| Site : CB1	Time : 2012/11/19 - 17:49
Limit : FCC_SpartC_15.247_H_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	Power : DC 5V (Power by PC)
EUT : Dual-band Wireless-AC1200 USB Adapter	Note : Mode 1: Transmit-5825MHz_802.11a
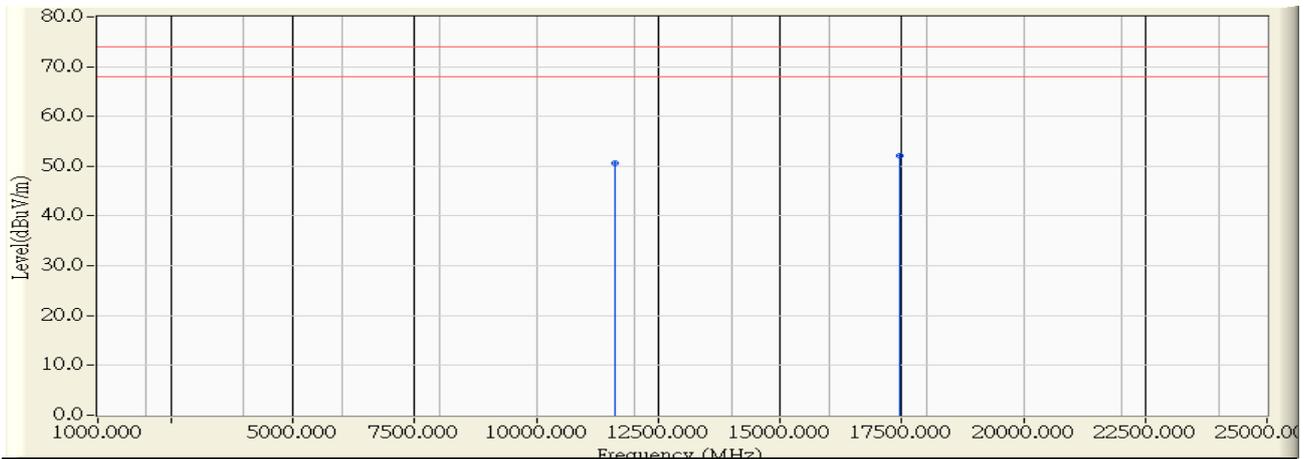
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		11629.500	11.980	38.660	50.640	-23.360	74.000	PEAK
2	*	17455.500	16.637	35.410	52.047	-21.953	74.000	PEAK

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

| Site : CB1	Time : 2012/11/19 - 18:48
Limit : FCC_SpartC_15.247_H_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	Power : DC 5V (Power by PC)
EUT : Dual-band Wireless-AC1200 USB Adapter	Note : Mode 1: Transmit-5745MHz_802.11n(20M)
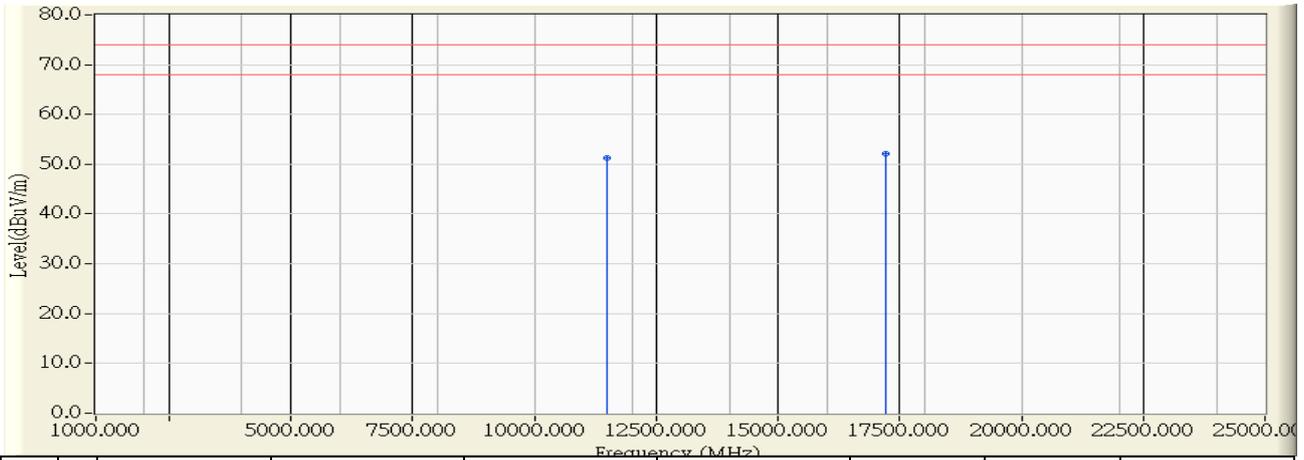
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		11479.000	12.142	39.180	51.321	-22.679	74.000	PEAK
2	*	17230.500	15.722	36.400	52.122	-21.878	74.000	PEAK

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

| Site : CB1	Time : 2012/11/19 - 18:51
Limit : FCC_SpartC_15.247_H_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	Power : DC 5V (Power by PC)
EUT : Dual-band Wireless-AC1200 USB Adapter	Note : Mode 1: Transmit-5745MHz_802.11n(20M)
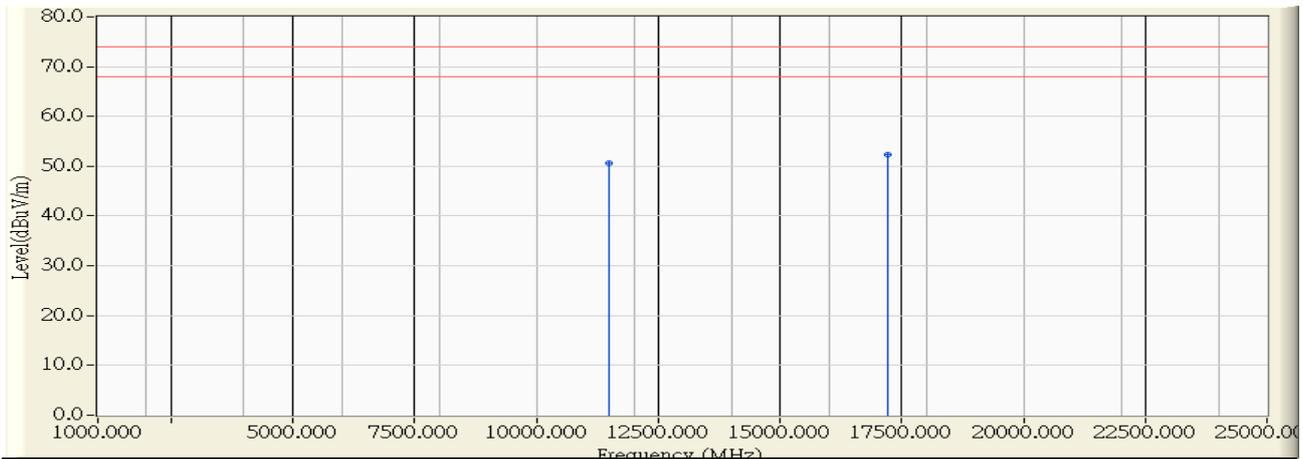
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		11487.900	12.137	38.510	50.647	-23.353	74.000	PEAK
2	*	17225.900	15.704	36.590	52.293	-21.707	74.000	PEAK

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

Site : CB1	Time : 2012/11/19 - 18:53
Limit : FCC_SpartC_15.247_H_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	Power : DC 5V (Power by PC)
EUT : Dual-band Wireless-AC1200 USB Adapter	Note : Mode 1: Transmit-5785MHz_802.11n(20M)
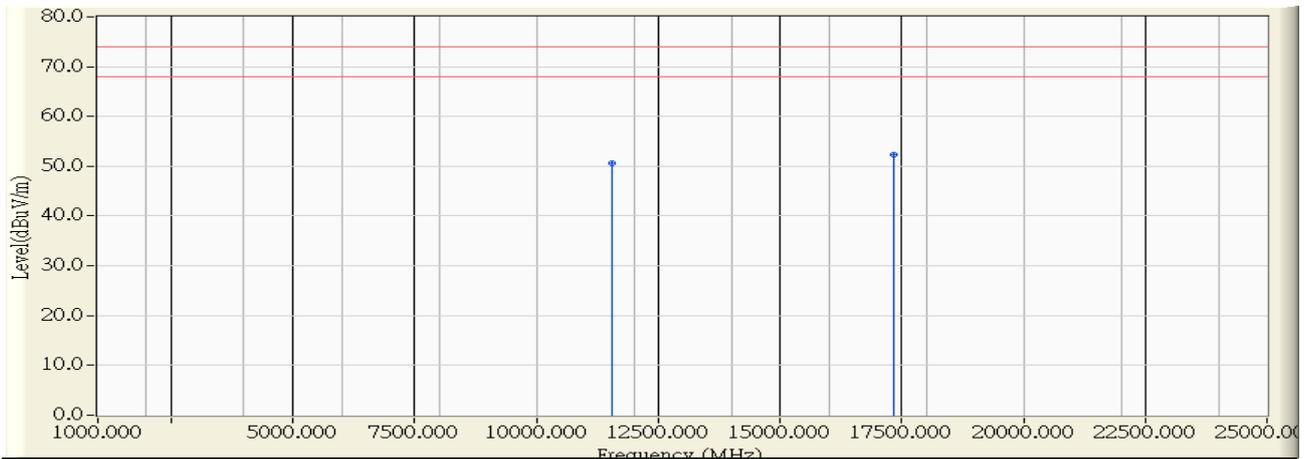
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		11561.700	12.058	38.470	50.528	-23.472	74.000	PEAK
2	*	17348.300	16.201	36.100	52.301	-21.699	74.000	PEAK

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

| Site : CB1	Time : 2012/11/19 - 18:55
Limit : FCC_SpartC_15.247_H_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	Power : DC 5V (Power by PC)
EUT : Dual-band Wireless-AC1200 USB Adapter	Note : Mode 1: Transmit-5785MHz_802.11n(20M)
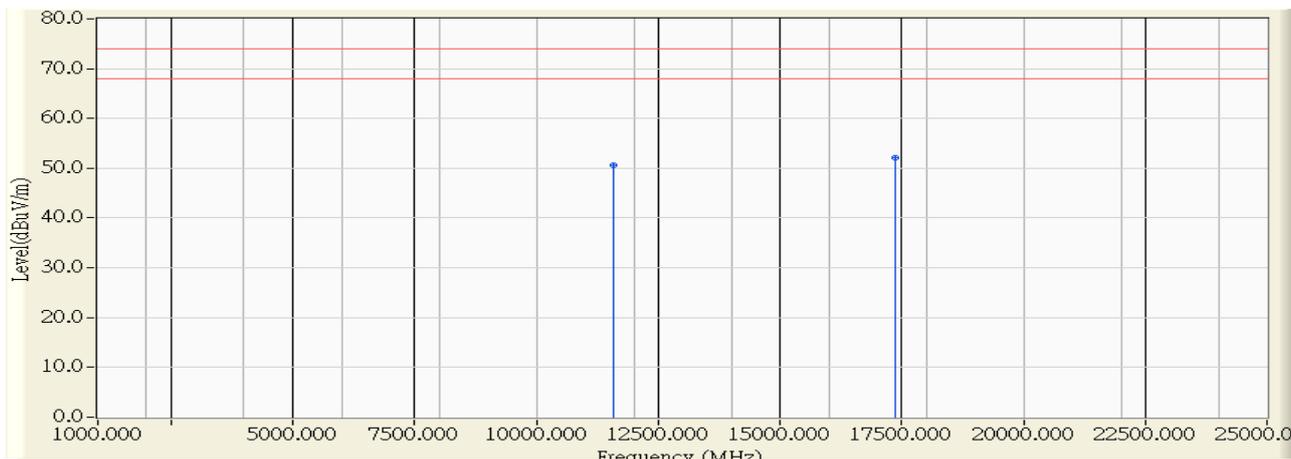
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		11587.400	12.029	38.570	50.598	-23.402	74.000	PEAK
2	*	17358.600	16.243	35.800	52.043	-21.957	74.000	PEAK

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

Site : CB1	Time : 2012/11/19 - 18:57
Limit : FCC_SpartC_15.247_H_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	Power : DC 5V (Power by PC)
EUT : Dual-band Wireless-AC1200 USB Adapter	Note : Mode 1: Transmit-5825MHz_802.11n(20M)
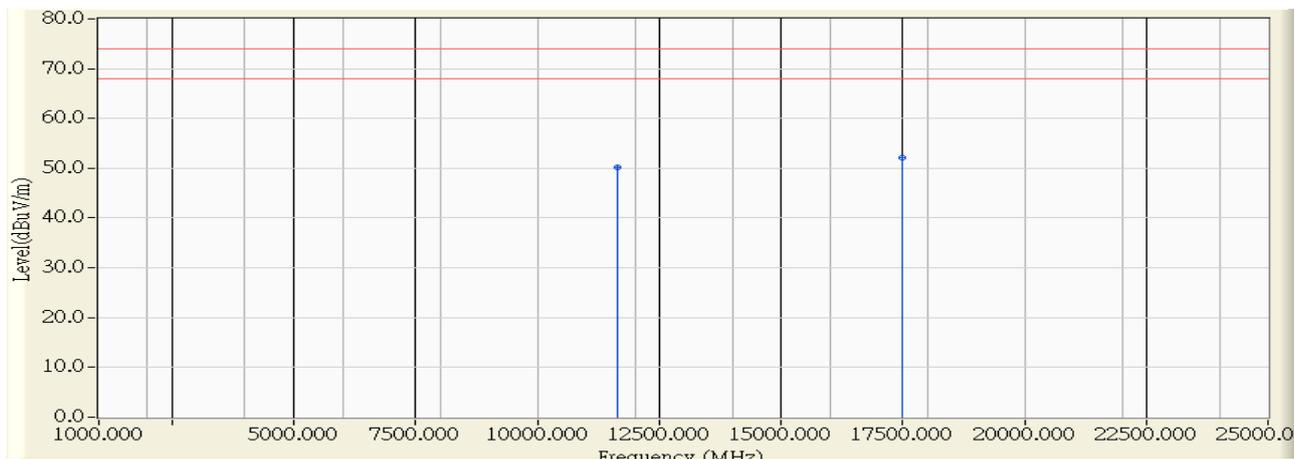
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		11630.900	11.978	38.240	50.218	-23.782	74.000	PEAK
2	*	17483.900	16.752	35.420	52.172	-21.828	74.000	PEAK

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

| Site : CB1	Time : 2012/11/19 - 18:59
Limit : FCC_SpartC_15.247_H_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	Power : DC 5V (Power by PC)
EUT : Dual-band Wireless-AC1200 USB Adapter	Note : Mode 1: Transmit-5825MHz_802.11n(20M)
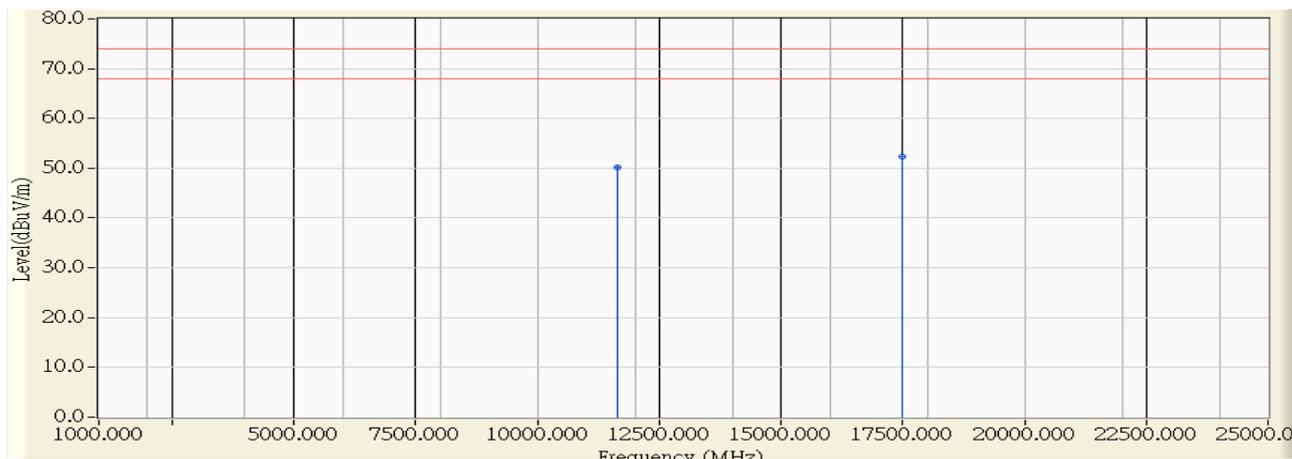
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		11652.400	11.954	38.130	50.083	-23.917	74.000	PEAK
2	*	17490.400	16.780	35.510	52.290	-21.710	74.000	PEAK

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

| Site : CB1	Time : 2012/11/19 - 19:01
Limit : FCC_SpartC_15.247_H_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	Power : DC 5V (Power by PC)
EUT : Dual-band Wireless-AC1200 USB Adapter	Note : Mode 1: Transmit-5755MHz_802.11n(40M)
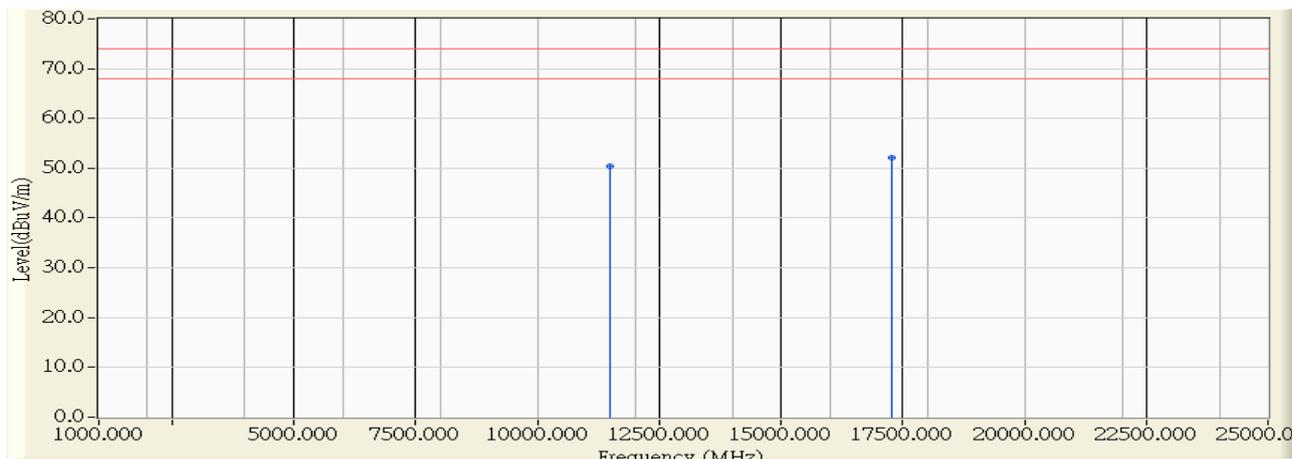
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		11501.000	12.126	38.370	50.497	-23.503	74.000	PEAK
2	*	17268.100	15.875	36.240	52.115	-21.885	74.000	PEAK

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

Site : CB1	Time : 2012/11/19 - 19:03
Limit : FCC_SpartC_15.247_H_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	Power : DC 5V (Power by PC)
EUT : Dual-band Wireless-AC1200 USB Adapter	Note : Mode 1: Transmit-5755MHz_802.11n(40M)
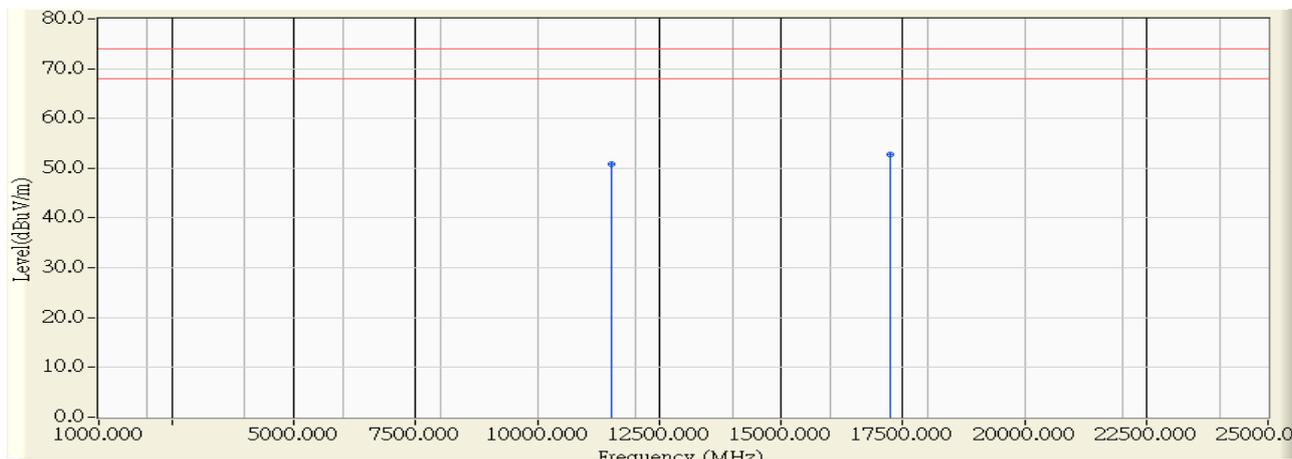
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		11534.100	12.090	38.650	50.740	-23.260	74.000	PEAK
2	*	17244.000	15.777	37.010	52.787	-21.213	74.000	PEAK

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

| Site : CB1	Time : 2012/11/19 - 19:05
Limit : FCC_SpartC_15.247_H_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	Power : DC 5V (Power by PC)
EUT : Dual-band Wireless-AC1200 USB Adapter	Note : Mode 1: Transmit-5795MHz_802.11n(40M)
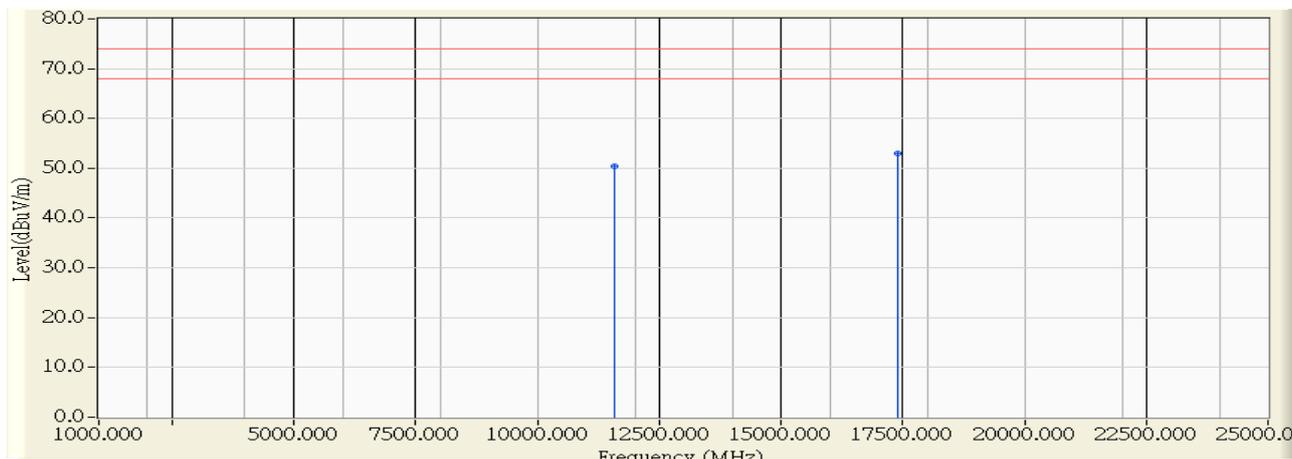
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		11591.800	12.023	38.320	50.343	-23.657	74.000	PEAK
2	*	17393.000	16.383	36.500	52.883	-21.117	74.000	PEAK

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

| Site : CB1	Time : 2012/11/19 - 19:07
Limit : FCC_SpartC_15.247_H_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	Power : DC 5V (Power by PC)
EUT : Dual-band Wireless-AC1200 USB Adapter	Note : Mode 1: Transmit-5795MHz_802.11n(40M)
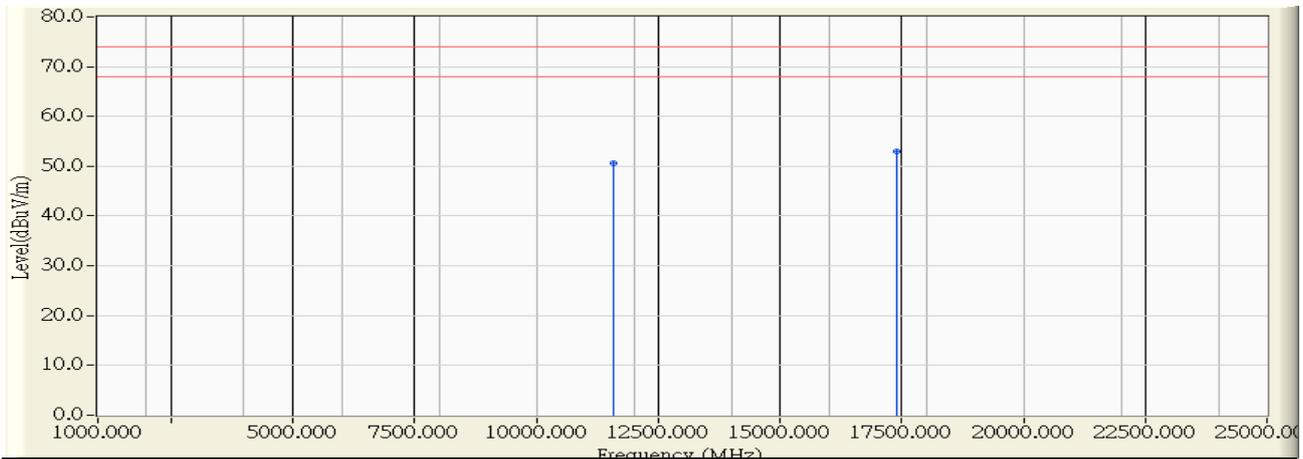
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		11578.470	12.039	38.660	50.699	-23.301	74.000	PEAK
2	*	17395.400	16.393	36.500	52.893	-21.107	74.000	PEAK

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

| Site : CB1	Time : 2012/11/19 - 19:10
Limit : FCC_SpartC_15.247_H_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	Power : DC 5V (Power by PC)
EUT : Dual-band Wireless-AC1200 USB Adapter	Note : Mode 1: Transmit-5775MHz_802.11ac(80M)
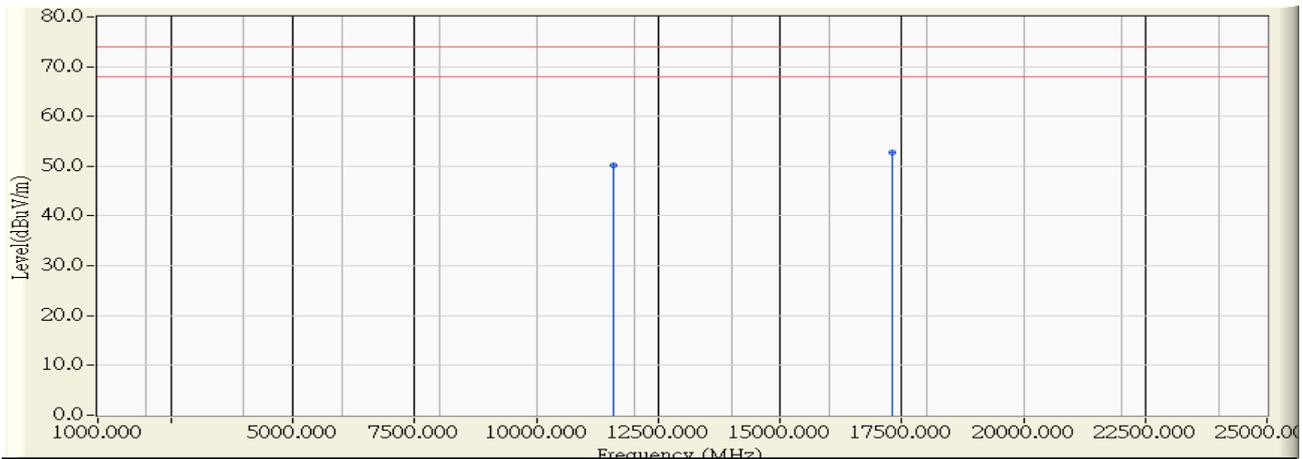
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		11578.320	12.039	38.200	50.239	-23.761	74.000	PEAK
2	*	17316.040	16.070	36.710	52.780	-21.220	74.000	PEAK

Note:

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

| Site : CB1	Time : 2012/11/19 - 19:11
Limit : FCC_SpartC_15.247_H_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	Power : DC 5V (Power by PC)
EUT : Dual-band Wireless-AC1200 USB Adapter	Note : Mode 1: Transmit-5775MHz_802.11ac(80M)
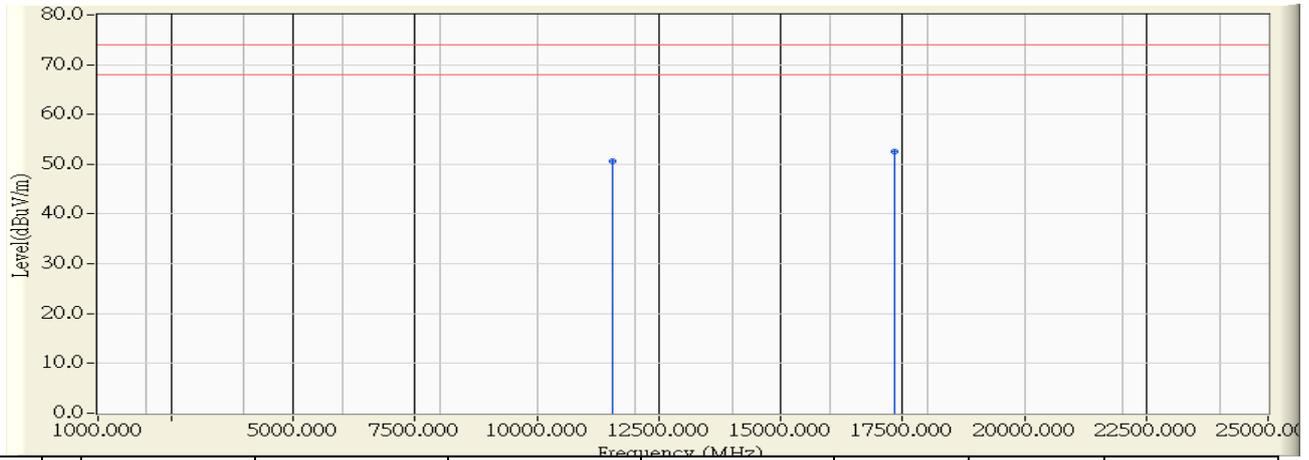
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		11560.560	12.059	38.570	50.630	-23.370	74.000	PEAK
2	*	17348.680	16.202	36.390	52.593	-21.407	74.000	PEAK

Note:

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

5. RF antenna conducted test

5.1. Test Equipment

The following test equipments are used during the test:

RF antenna conducted test / SR7

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

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

5.2. Test Setup

RF Antenna Conducted Measurement:
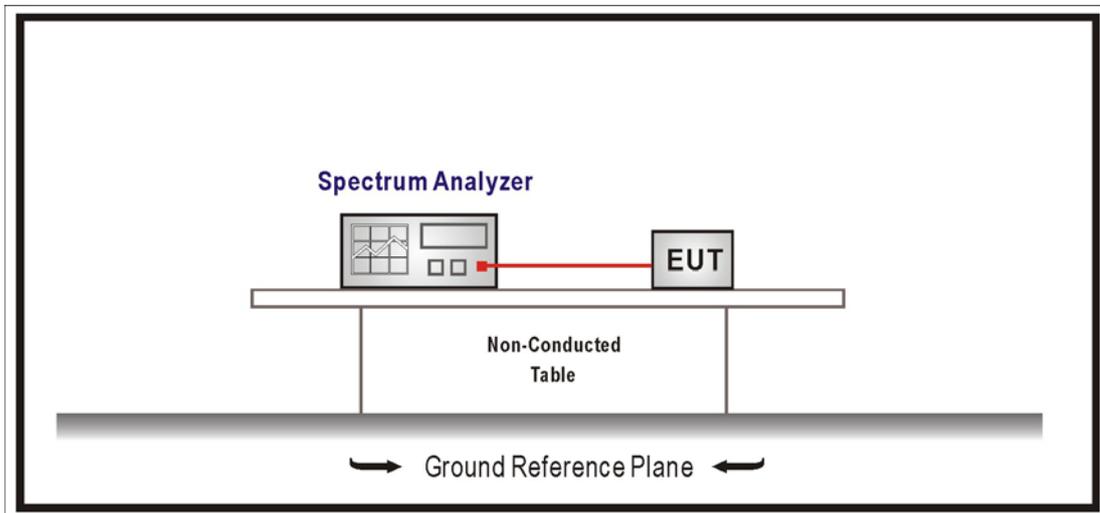
5.3. Limits

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

5.4. Test Procedure

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

5.5. Test Specification

According to FCC Part 15 Subpart C Paragraph 15.247: 2011

5.6. Uncertainty

Conducted is defined as ± 1.27dB

5.7. Test Result

Product	Dual-band Wireless-AC1200 USB Adapter		
Test Item	RF antenna conducted test		
Test Mode	Mode 1: Transmit		
Date of Test	2012/11/16	Test Site	SR7

IEEE 802.11b, Duty Cycle: 1				
Channel No.	Frequency (MHz)	Measure Level (dBc)	Limit (dBc)	Result
1	2412	48.76	≥20	Pass
11	2462	51.48	≥20	Pass

Channel 01 (2412MHz)


```
Comment: A:\2
Date:      16.NOV.2012  15:31:53
```

Channel 11 (2462MHz)


```
                                        *RBW 100 kHz   Delta 2 [T1 ]
                                        *VBW 300 kHz              -51.48 dB
Ref   22.5 dBm         *Att  30 dB     SWT 10 ms       28.600000000 MHz
```

Marker 1 [T1]
5.60 dBm
2.464600000 GHz

A

LVL

1 PK VIEW
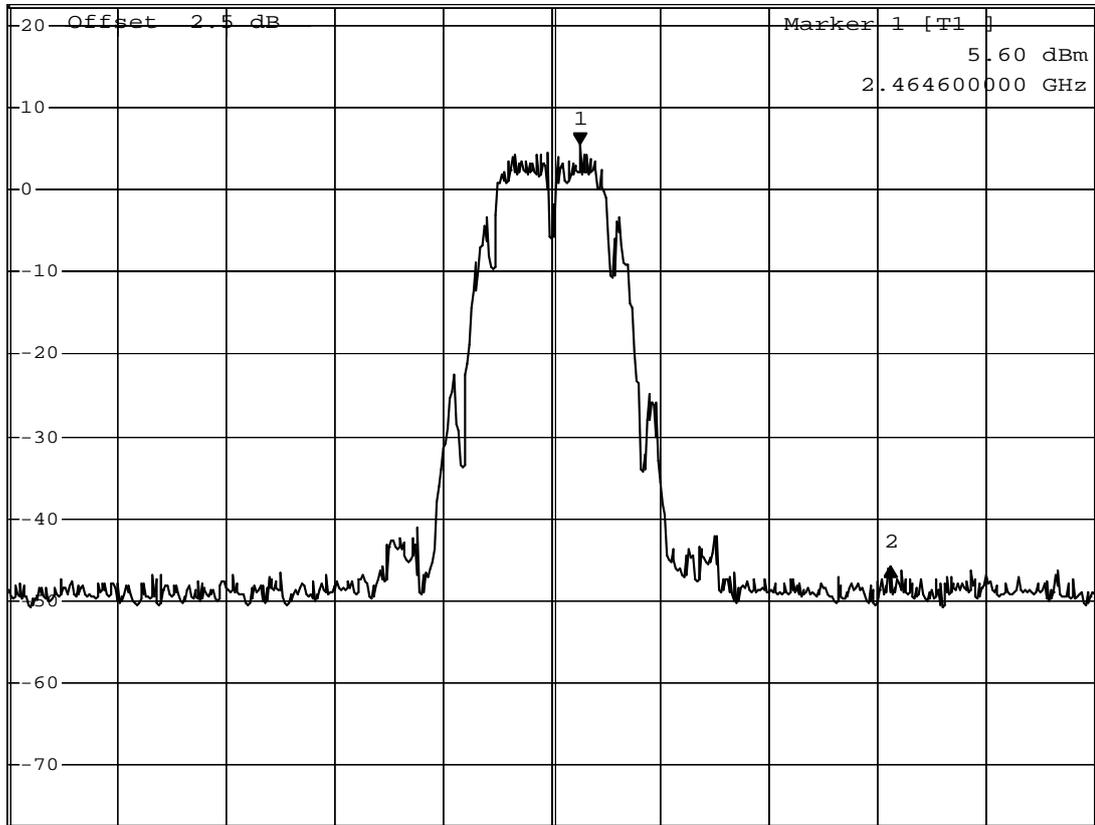
Center 2.462 GHz   10 MHz/   Span 100 MHz

Comment: A:\2
Date: 16.NOV.2012 15:28:39

Product	Dual-band Wireless-AC1200 USB Adapter		
Test Item	RF antenna conducted test		
Test Mode	Mode 1: Transmit		
Date of Test	2012/11/16	Test Site	SR7

IEEE 802.11g, Duty Cycle: 1				
Channel No.	Frequency (MHz)	Measure Level (dBc)	Limit (dBc)	Result
1	2412	29.84	≥20	Pass
11	2462	46.20	≥20	Pass

Channel 01 (2412MHz)


```
                                          *RBW 100 kHz   Delta 2 [T1 ]
                                          *VBW 300 kHz              -29.84 dB
Ref  22.5 dBm          *Att  30 dB     SWT 10 ms        -14.000000000 MHz
```

Marker 1 [T1]
8.20 dBm
2.413400000 GHz

Center 2.412 GHz   10 MHz/   Span 100 MHz

Comment: A:\2
Date: 16.NOV.2012 15:33:38

Channel 11 (2462MHz)
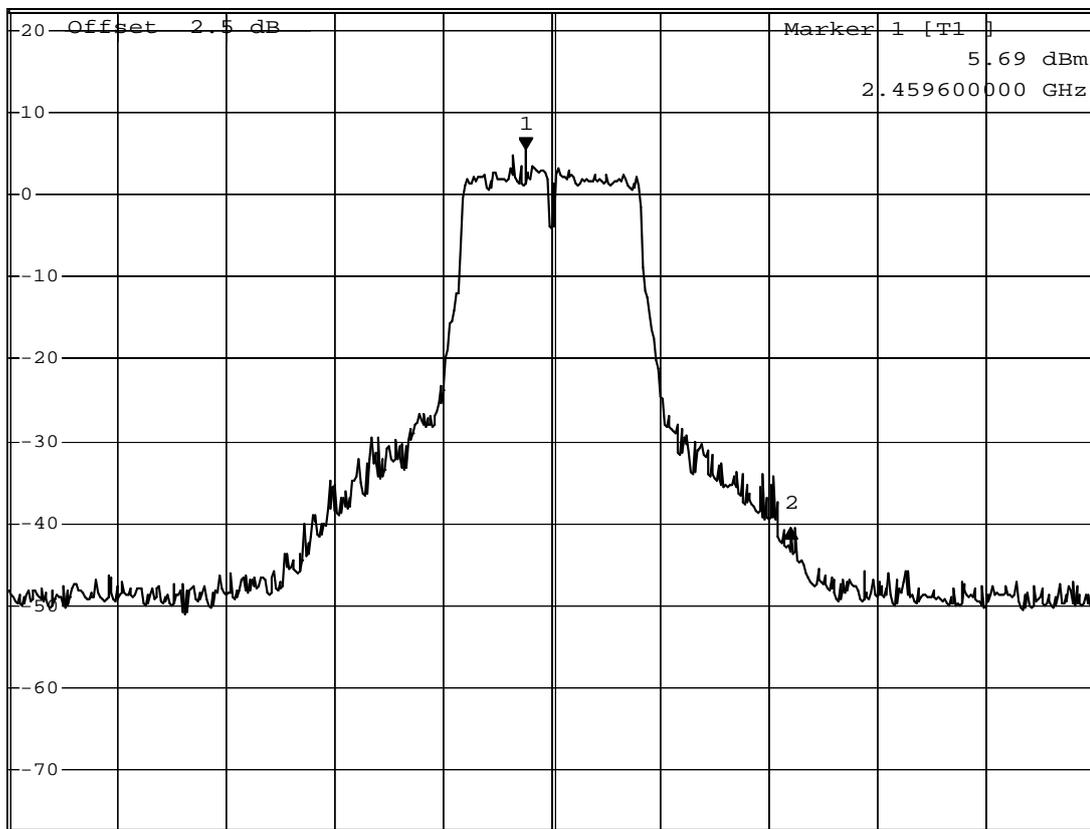
Comment: A:\2
Date: 16.NOV.2012 15:35:19

Product	Dual-band Wireless-AC1200 USB Adapter		
Test Item	RF antenna conducted test		
Test Mode	Mode 1: Transmit		
Date of Test	2012/11/16	Test Site	SR7

IEEE 802.11n (20MHz), (ANT 0) Duty Cycle: 1

Channel No.	Frequency (MHz)	Measure Level (dBc)	Limit (dBc)	Result
1	2412	32.94	≥20	Pass
11	2462	45.87	≥20	Pass

Channel 1 (2412MHz)

Comment: A:\2
Date: 16.NOV.2012 15:45:57

Channel 11 (2462MHz)


```
                                              *RBW  100 kHz   Delta 2 [T1 ]
                                              *VBW  300 kHz          -45.87 dB
     Ref  22.5 dBm          *Att  30 dB        SWT 10 ms       23.400000000 MHz
```

Marker 1 [T1]
5.01 dBm
2.460800000 GHz

Center 2.462 GHz   10 MHz/   Span 100 MHz

Comment: A:\2
Date: 16.NOV.2012   15:38:29

QuieTek

Product	Dual-band Wireless-AC1200 USB Adapter		
Test Item	RF antenna conducted test		
Test Mode	Mode 1: Transmit		
Date of Test	2012/11/16	Test Site	SR7

IEEE 802.11n (20MHz), (ANT 1) Duty Cycle: 1				
Channel No.	Frequency (MHz)	Measure Level (dBc)	Limit (dBc)	Result
1	2412	32.78	≥20	Pass
11	2462	44.10	≥20	Pass

Channel 1 (2412MHz)


```
                                        *RBW 100 kHz   Delta 2 [T1 ]
                                        *VBW 300 kHz              -32.78 dB
    Ref  22.5 dBm          *Att  30 dB   SWT 10 ms      -18.200000000 MHz
    -20  Offset  2.5 dB                        Marker 1 [T1 ]
                                                          5.48 dBm
    -10                                              2.417200000 GHz  A
                                                                      LVL
```

Center 2.412 GHz   10 MHz/   Span 100 MHz
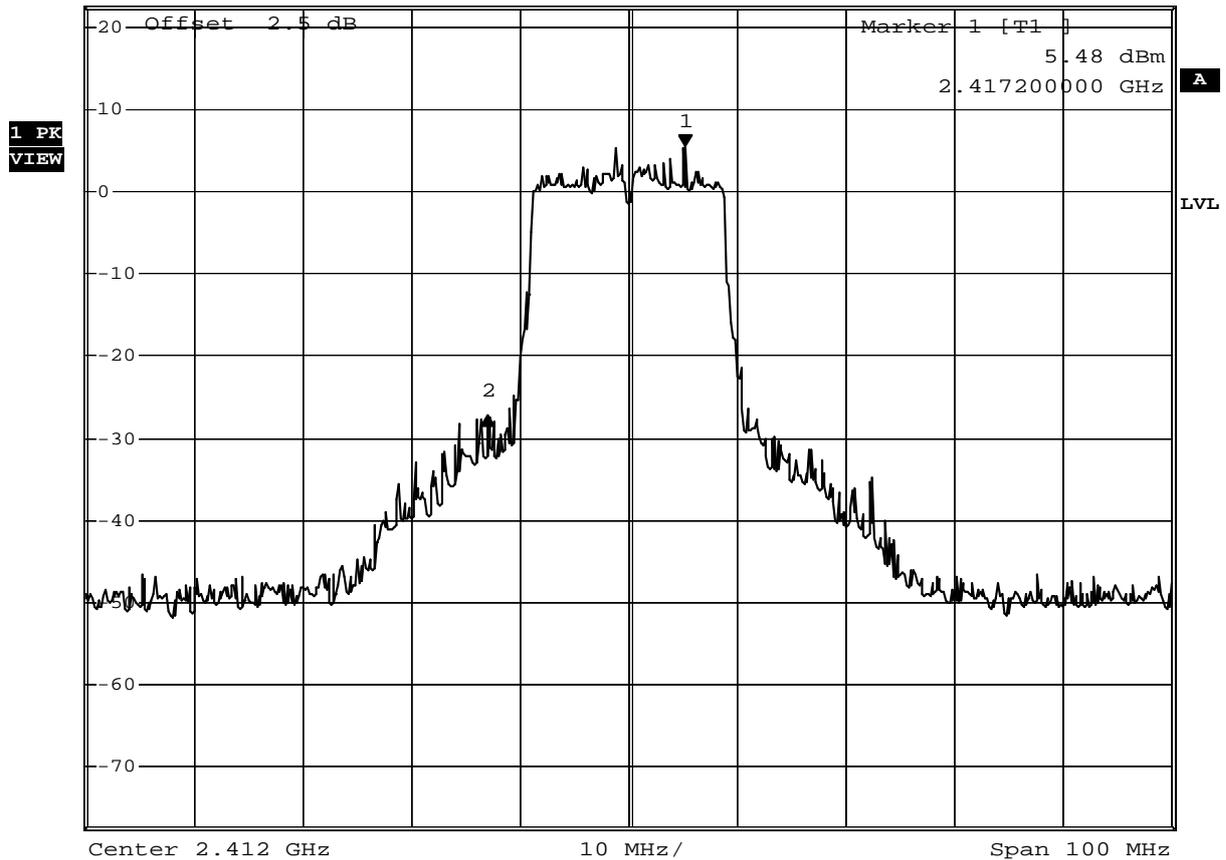
Comment: A:\2
Date: 16.NOV.2012 15:43:41

Channel 11 (2462MHz)


```
                                                    *RBW 100 kHz   Delta 2 [T1 ]
                                                    *VBW 300 kHz              -44.10 dB
      Ref  22.5 dBm              *Att  30 dB     SWT 10 ms          30.200000000 MHz
    -20  Offset  2.5 dB                                  Marker 1 [T1 ]
                                                                      3.72 dBm        A
    -10                                                     2.454600000 GHz
 1 PK                                                                               LVL
 VIEW                                          1
     0

   -10

   -20

   -30                                                         2

   -40

   -60

   -70

      Center 2.462 GHz              10 MHz/              Span 100 MHz
```

Comment: A:\2
Date: 16.NOV.2012 15:40:46

Product	Dual-band Wireless-AC1200 USB Adapter		
Test Item	RF antenna conducted test		
Test Mode	Mode 1: Transmit		
Date of Test	2012/11/16	Test Site	SR7

IEEE 802.11n (40MHz), (ANT 0) Duty Cycle: 1				
Channel No.	Frequency (MHz)	Measure Level (dBc)	Limit (dBc)	Result
3	2422	35.25	≥20	Pass
9	2452	40.26	≥20	Pass

Channel 3 (2422MHz)


```
                                          *RBW 100 kHz   Delta 2 [T1 ]
                                          *VBW 300 kHz              -35.25 dB
         Ref  22.5 dBm        *Att  30 dB    SWT 10 ms     -29.200000000 MHz
```

Center 2.422 GHz   10 MHz/   Span 100 MHz

Comment: A:\2
Date: 16.NOV.2012 15:47:35

Channel 9 (2452MHz)


```
                                              *RBW 100 kHz   Delta 2 [T1 ]
                                              *VBW 300 kHz              -40.26 dB
        Ref   22.5 dBm        *Att  30 dB      SWT 10 ms      36.400000000 MHz
-20  Offset  2.5 dB                                  Marker 1 [T1 ]
                                                              1.41 dBm
-10                                                  2.448200000 GHz    A
1 PK
VIEW
                                  1                                     LVL
  0
-10
-20
-30
                                                      2
-40
-50
-60
-70
     Center 2.452 GHz              10 MHz/              Span 100 MHz
```

Comment: A:\2
Date: 16.NOV.2012 15:52:57

QuieTek

Product	Dual-band Wireless-AC1200 USB Adapter		
Test Item	RF antenna conducted test		
Test Mode	Mode 1: Transmit		
Date of Test	2012/11/16	Test Site	SR7

IEEE 802.11n (40MHz), (ANT 1) Duty Cycle: 1				
Channel No.	Frequency (MHz)	Measure Level (dBc)	Limit (dBc)	Result
3	2422	34.77	≥20	Pass
9	2452	39.49	≥20	Pass

Channel 3 (2422MHz)


```
                                          *RBW 100 kHz   Delta 2 [T1 ]
                                          *VBW 300 kHz            -34.77 dB
        Ref  22.5 dBm        *Att  30 dB   SWT 10 ms      -19.600000000 MHz
```

Marker 1 [T1]
1.75 dBm
2.419600000 GHz

Center 2.422 GHz   10 MHz/   Span 100 MHz

Comment: A:\2
Date: 16.NOV.2012 15:50:19

Channel 9 (2452MHz)

QuieTek

Product	Dual-band Wireless-AC1200 USB Adapter		
Test Item	RF antenna conducted test		
Test Mode	Mode 1: Transmit		
Date of Test	2012/11/16	Test Site	SR7

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


```
                                    *RBW 100 kHz   Delta 2 [T1 ]
                                    *VBW 300 kHz              -41.81 dB
        Ref  22.5 dBm    *Att  30 dB    SWT 2.5 s      11.536140000 GHz
        -20  Offset  2.5 dB                        Marker 1 [T1 ]
                                                          2.38 dBm
                                                    2.377180000 GHz   A
   1 PK
   VIEW                                                             LVL
```
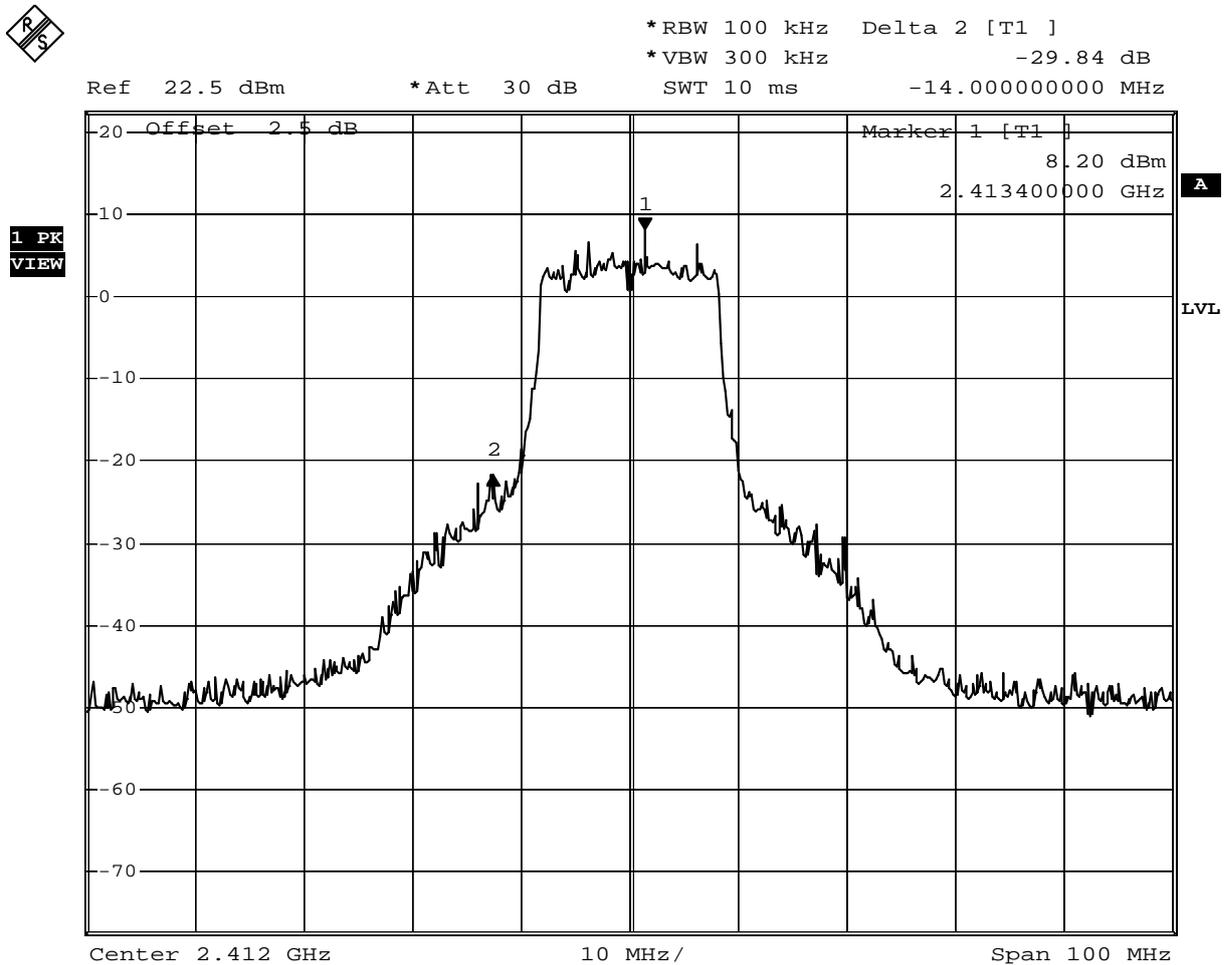
Start 30 MHz   2.497 GHz/   Stop 25 GHz
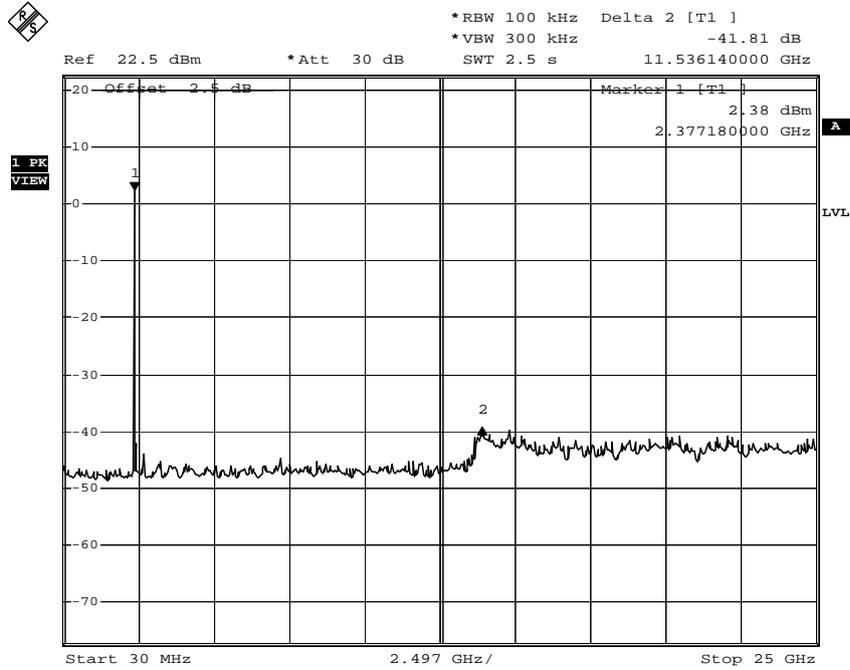
Comment: A:\2
Date: 16.NOV.2012 15:31:23

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


```
                                    *RBW 100 kHz   Delta 2 [T1 ]
                                    *VBW 300 kHz              -43.72 dB
        Ref  22.5 dBm    *Att  30 dB    SWT 2.5 s      13.034340000 GHz
        -20  Offset  2.5 dB                        Marker 1 [T1 ]
                                                          3.77 dBm
                                                    2.427120000 GHz   A
   1 PK
   VIEW                                                             LVL
```

Start 30 MHz   2.497 GHz/   Stop 25 GHz

Comment: A:\2
Date: 16.NOV.2012 15:30:07

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

```
                                        *RBW 100 kHz   Delta 2 [T1 ]
                                        *VBW 300 kHz              -44.20 dB
        Ref  22.5 dBm      *Att  30 dB   SWT 2.5 s       11.636020000 GHz
  -20  Offset  2.5 dB                                Marker 1 [T1 ]
                                                             4.59 dBm
                                                      2.377180000 GHz      A
  -10
1 PK
VIEW       1
   0                                                                      LVL
 -10

 -20

 -30
                                      2
 -40              
      50
 -60

 -70

  Start 30 MHz                2.497 GHz/              Stop 25 GHz
```
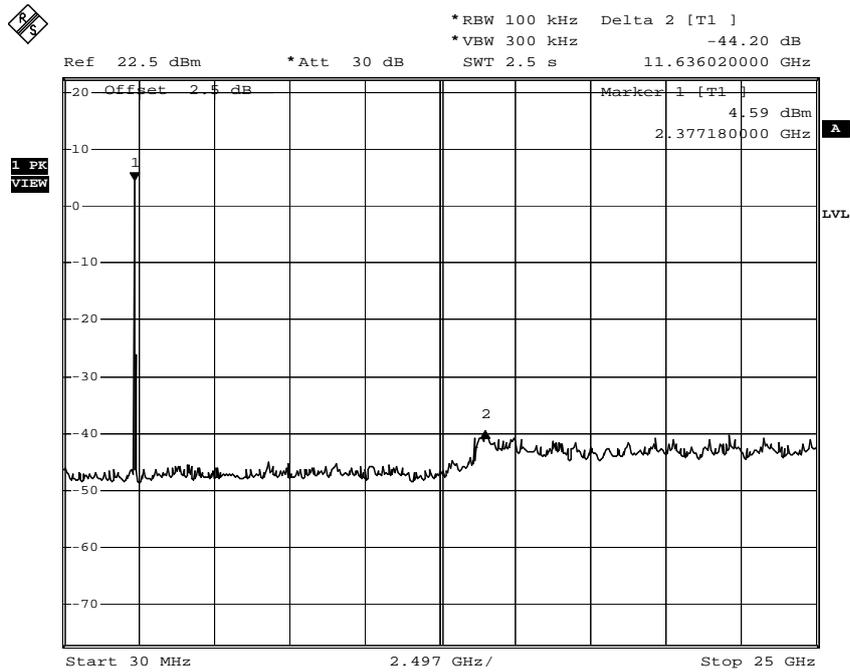
Comment: A:\2
Date: 16.NOV.2012 15:34:07

2462MHz (30MHz-25GHz) -802.11g
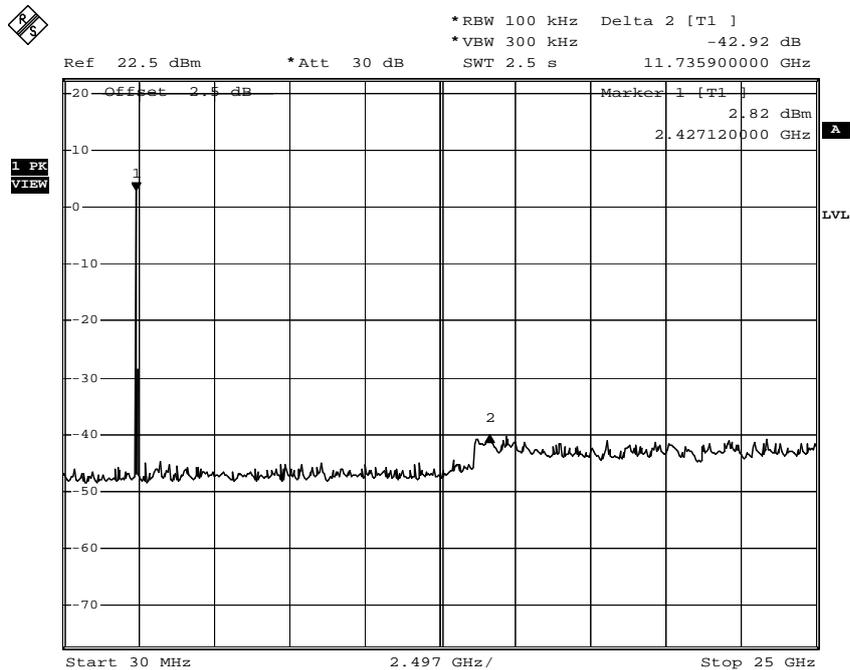
```
                                        *RBW 100 kHz   Delta 2 [T1 ]
                                        *VBW 300 kHz              -42.92 dB
        Ref  22.5 dBm      *Att  30 dB   SWT 2.5 s       11.735900000 GHz
  -20  Offset  2.5 dB                                Marker 1 [T1 ]
                                                             2.82 dBm
                                                      2.427120000 GHz      A
  -10
1 PK
VIEW       1
   0                                                                      LVL
 -10

 -20

 -30
                                      2
 -40
      50
 -60

 -70

  Start 30 MHz                2.497 GHz/              Stop 25 GHz
```
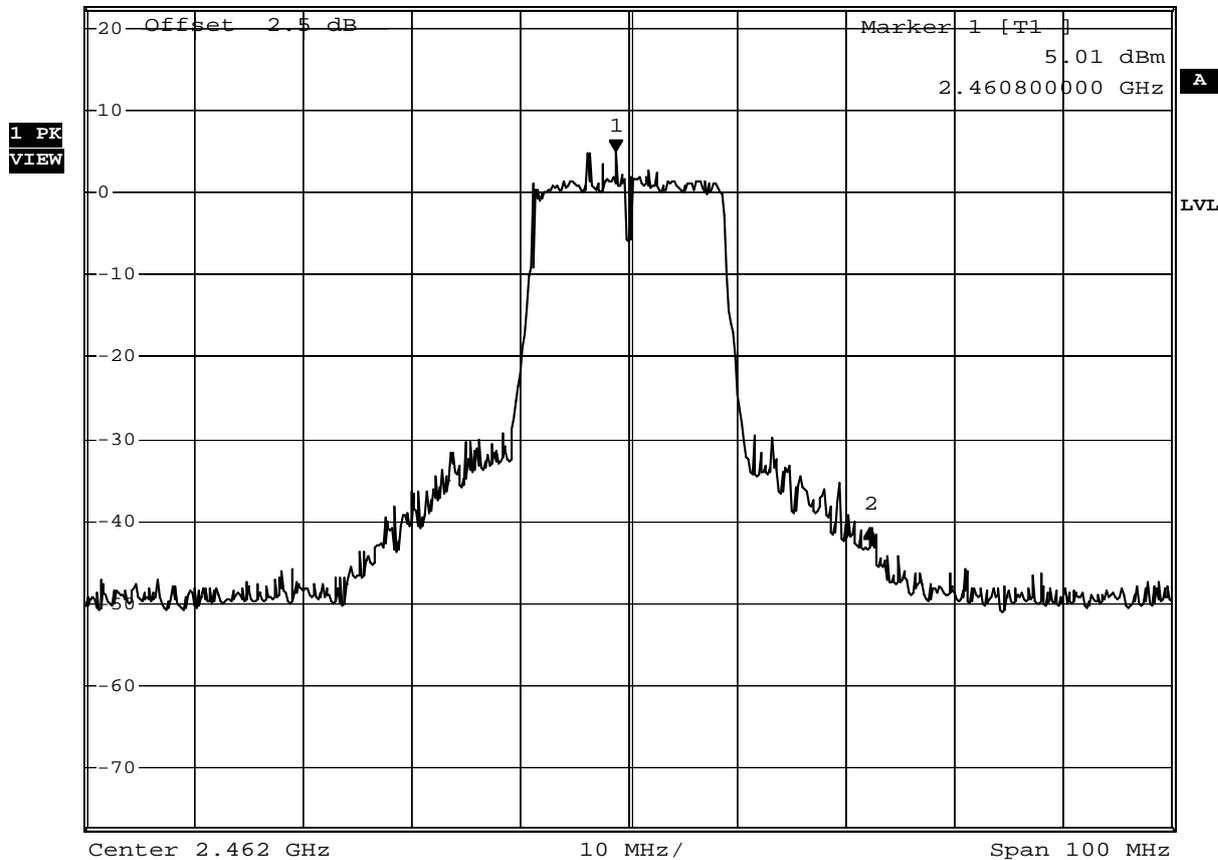
Comment: A:\2
Date: 16.NOV.2012 15:34:54

QuieTek

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

```
                              *RBW 100 kHz   Delta 2 [T1 ]
                              *VBW 300 kHz            -42.80 dB
Ref  22.5 dBm      *Att  30 dB    SWT 2.5 s      11.336380000 GHz
```

-20 Offset 2.5 dB ... Marker 1 [T1] ★
2.56 dBm
2.377180000 GHz A

1 PK VIEW

LVL

Start 30 MHz   2.497 GHz/   Stop 25 GHz
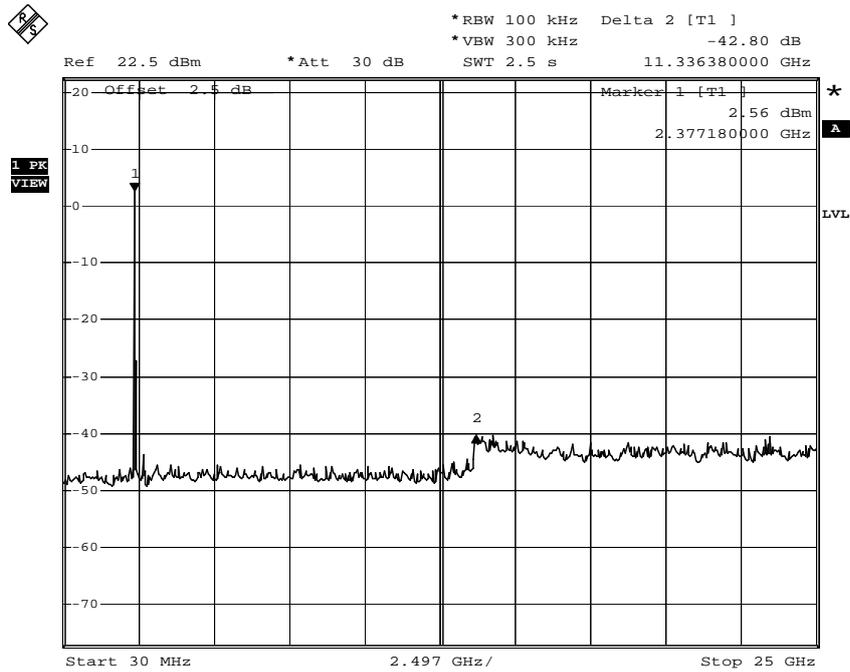
Comment: A:\2
Date: 16.NOV.2012 15:45:12

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

```
                              *RBW 100 kHz   Delta 2 [T1 ]
                              *VBW 300 kHz            -44.80 dB
Ref  22.5 dBm      *Att  30 dB    SWT 2.5 s      12.435060000 GHz
```

-20 Offset 2.5 dB ... Marker 1 [T1]
4.40 dBm
2.427120000 GHz A

1 PK VIEW

LVL

Start 30 MHz   2.497 GHz/   Stop 25 GHz
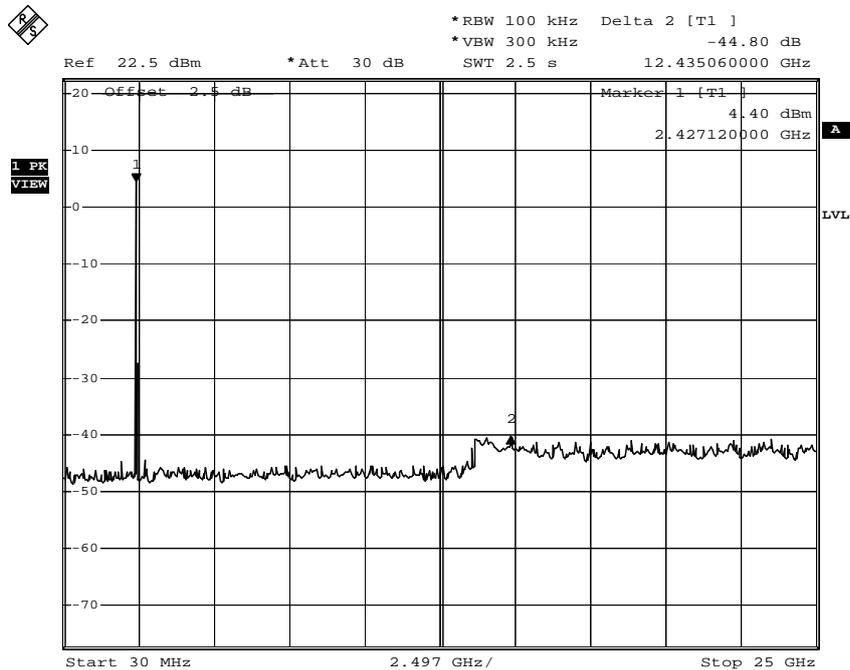
Comment: A:\2
Date: 16.NOV.2012 15:39:09

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

```
                                          *RBW 100 kHz   Delta 2 [T1 ]
                                          *VBW 300 kHz              -44.21 dB
Ref  22.5 dBm        *Att  30 dB    SWT 2.5 s       11.636020000 GHz
```
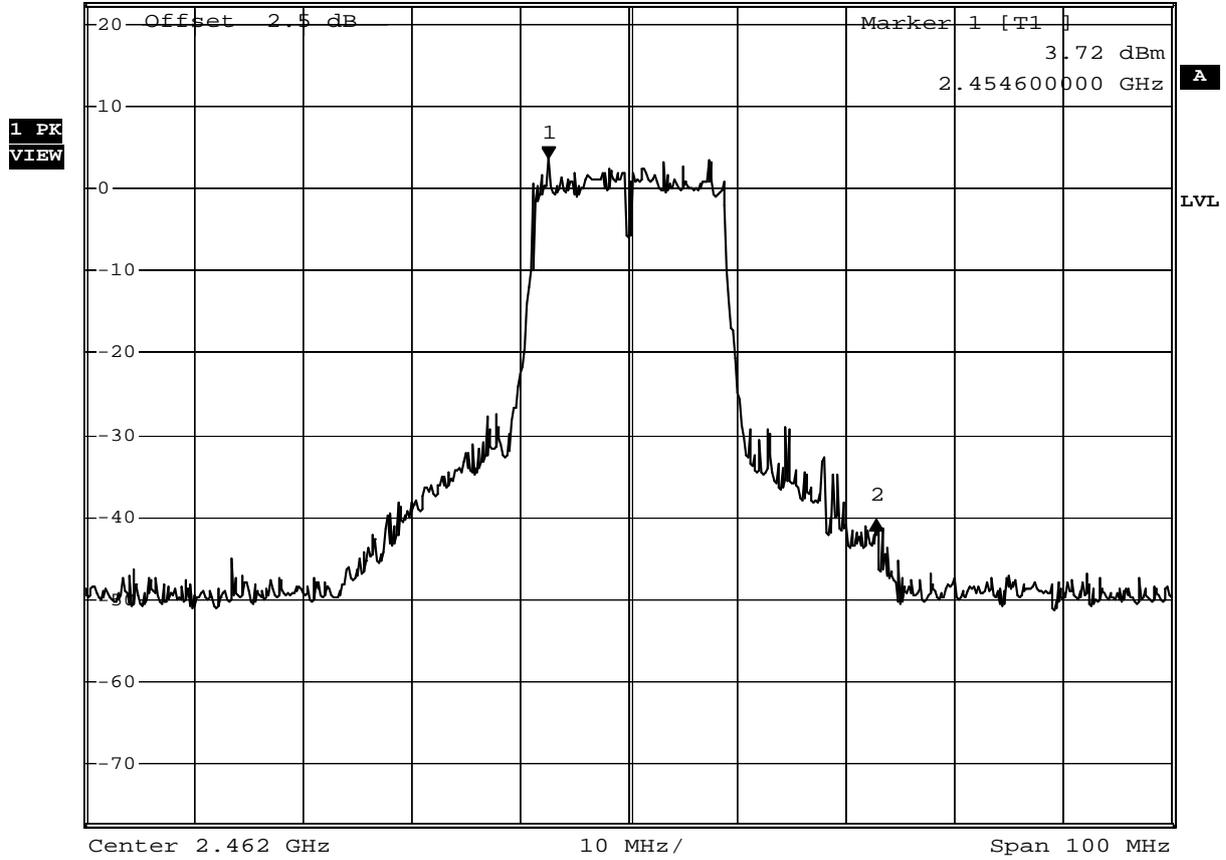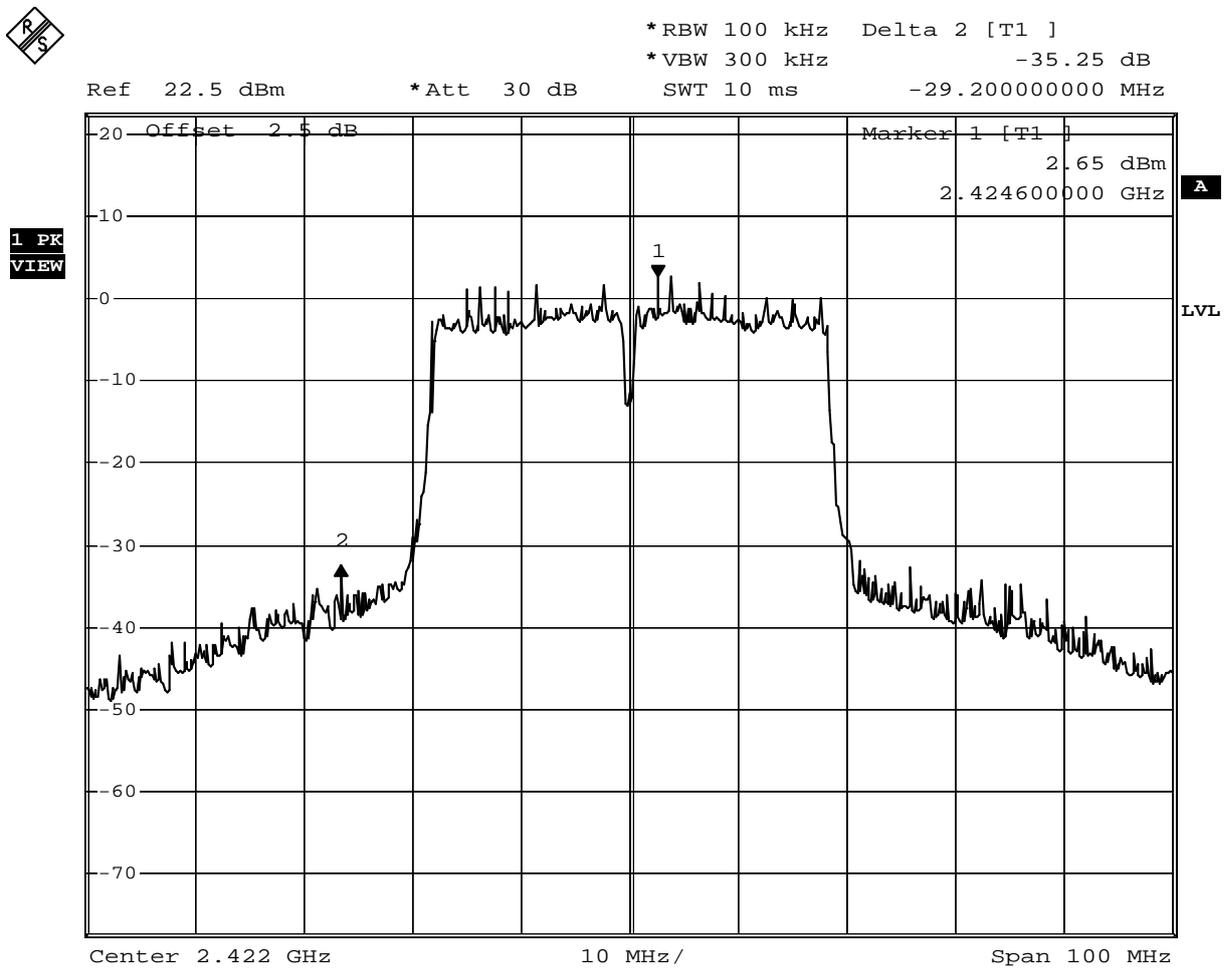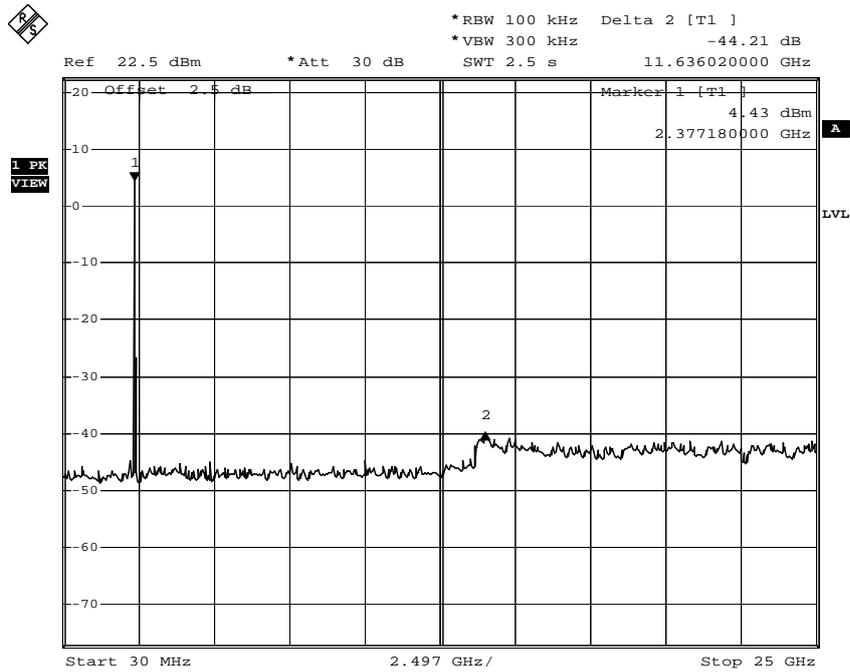


```
Comment: A:\2
Date:        16.NOV.2012  15:44:11
```

2462MHz (30MHz-25GHz) -802.11n(20MHz)-ANT 1
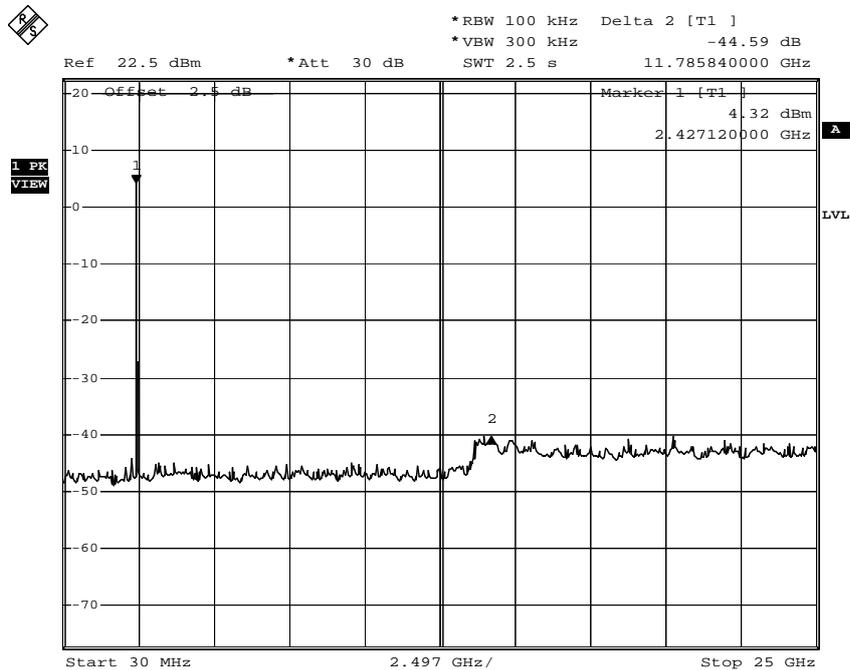
```
                                          *RBW 100 kHz   Delta 2 [T1 ]
                                          *VBW 300 kHz              -44.59 dB
Ref  22.5 dBm        *Att  30 dB    SWT 2.5 s       11.785840000 GHz
```



```
Comment: A:\2
Date:        16.NOV.2012  15:40:12
```

QuieTek

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

```
                                              *RBW 100 kHz   Delta 2 [T1 ]
                                              *VBW 300 kHz              -40.60 dB
        Ref   22.5 dBm        *Att   30 dB    SWT 2.5 s         12.335180000 GHz
```
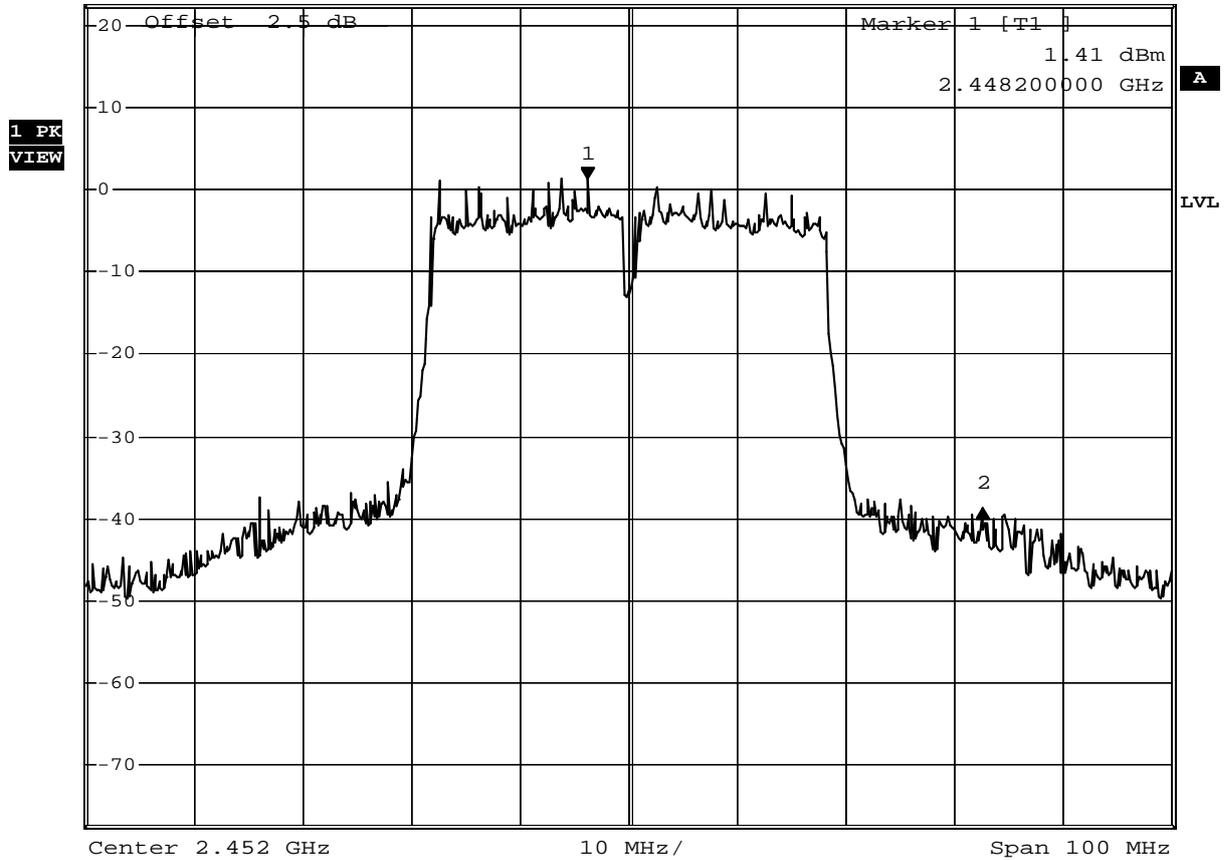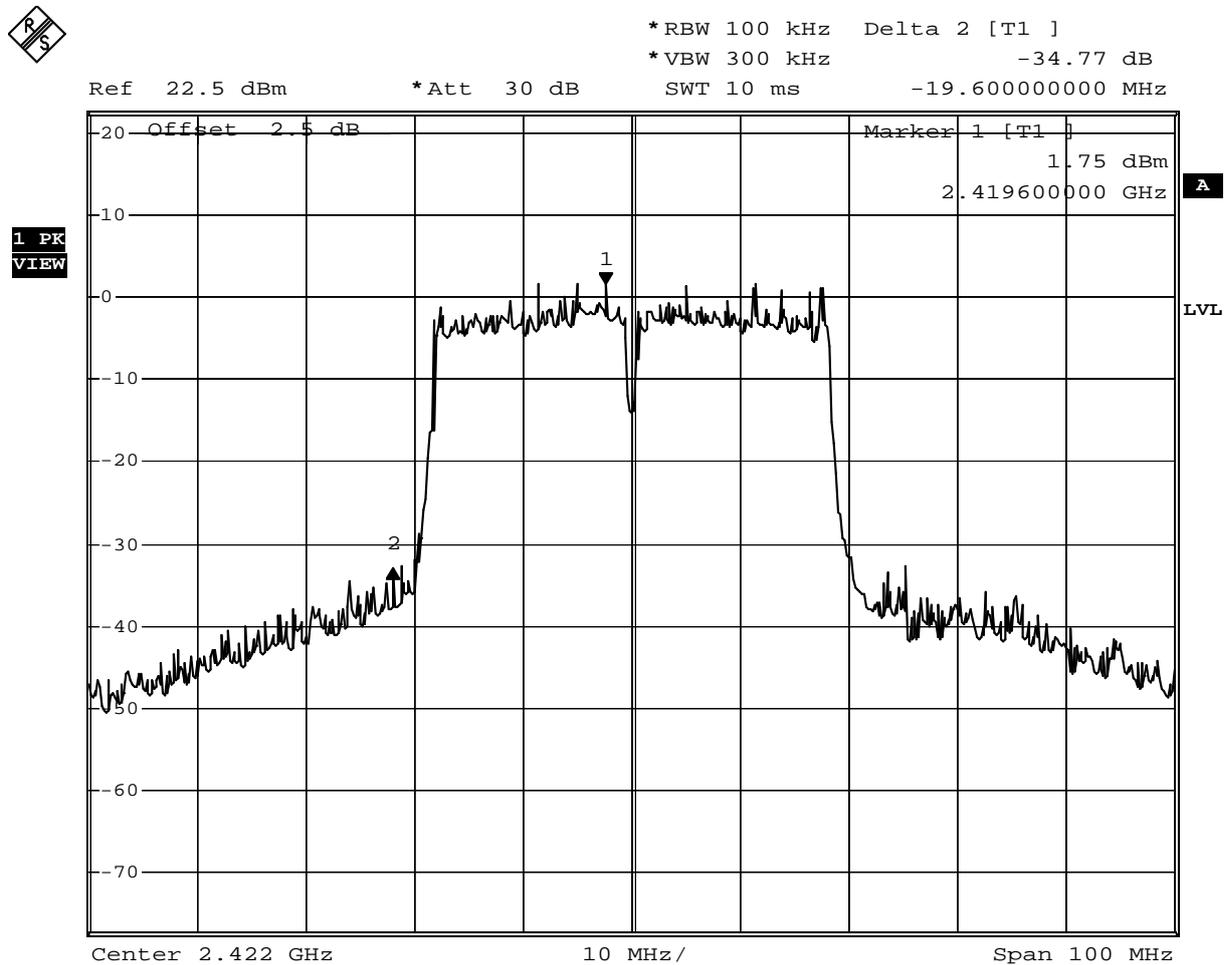
```
  -20─Offset  2.5 dB                             Marker 1 [T1 ]
                                                          1.19 dBm         A
  -10                                           2.427120000 GHz
1 PK
VIEW
    0                                                                      LVL
  -10
  -20
  -30
            1                               2
  -40
  -50
  -60
  -70
     Start 30 MHz              2.497 GHz/              Stop 25 GHz
```
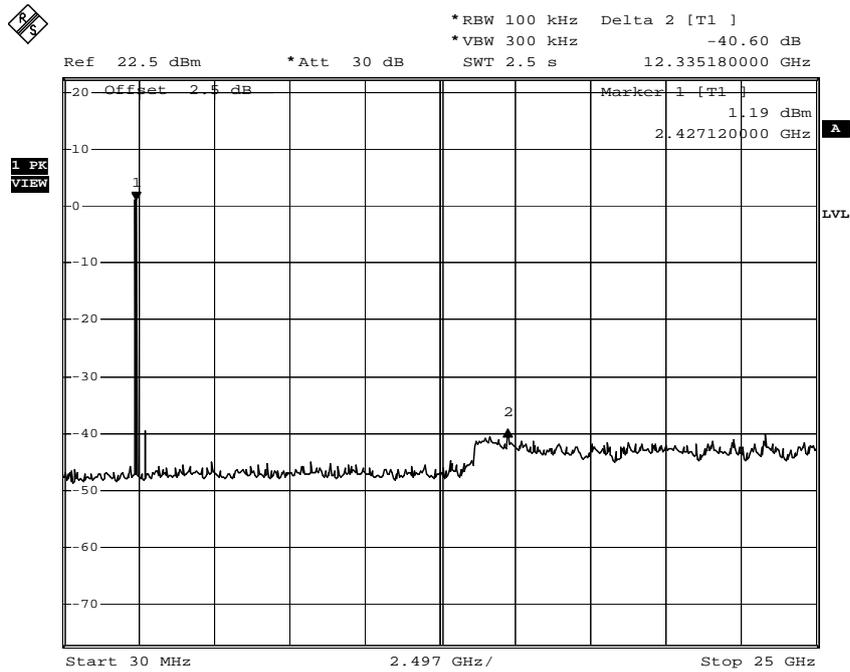
Comment: A:\2
Date: 16.NOV.2012 15:48:06

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

```
                                              *RBW 100 kHz   Delta 2 [T1 ]
                                              *VBW 300 kHz              -40.97 dB
        Ref   22.5 dBm        *Att   30 dB    SWT 2.5 s         17.678760000 GHz
```
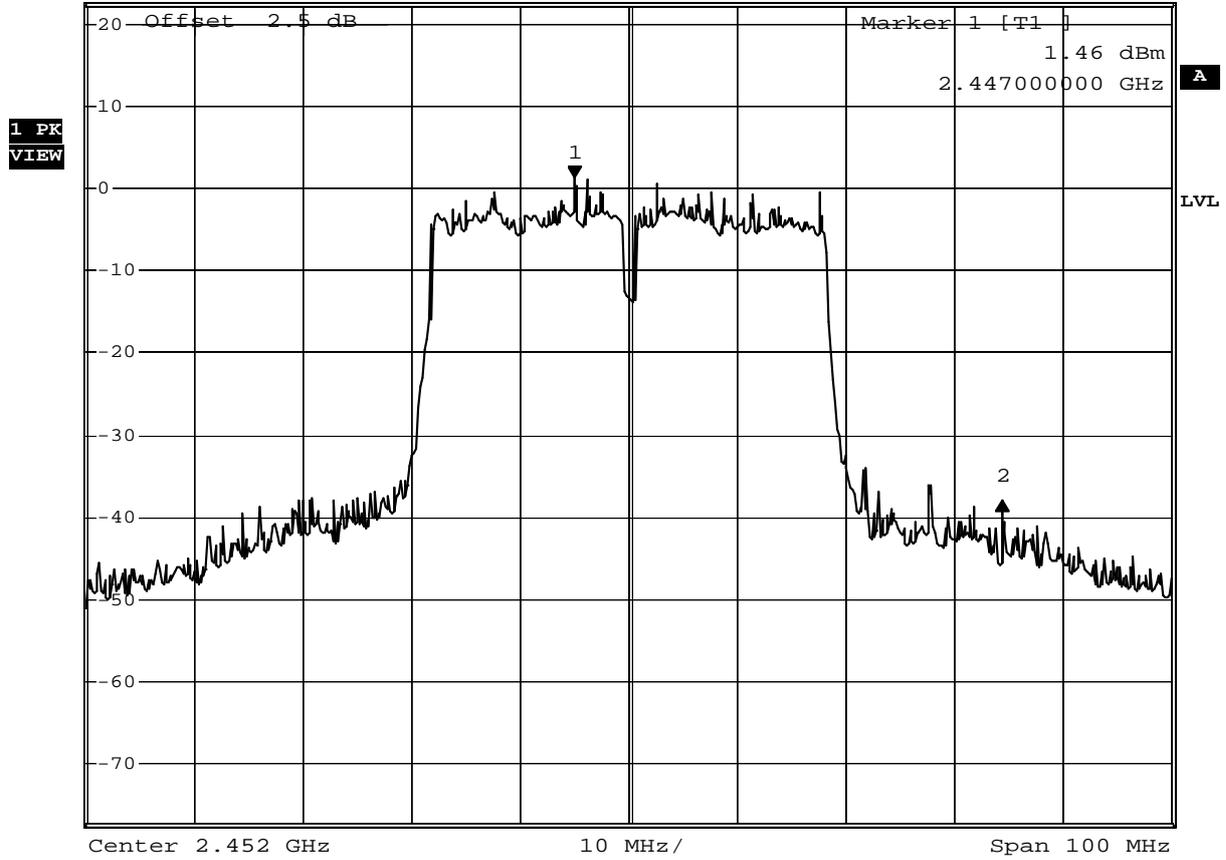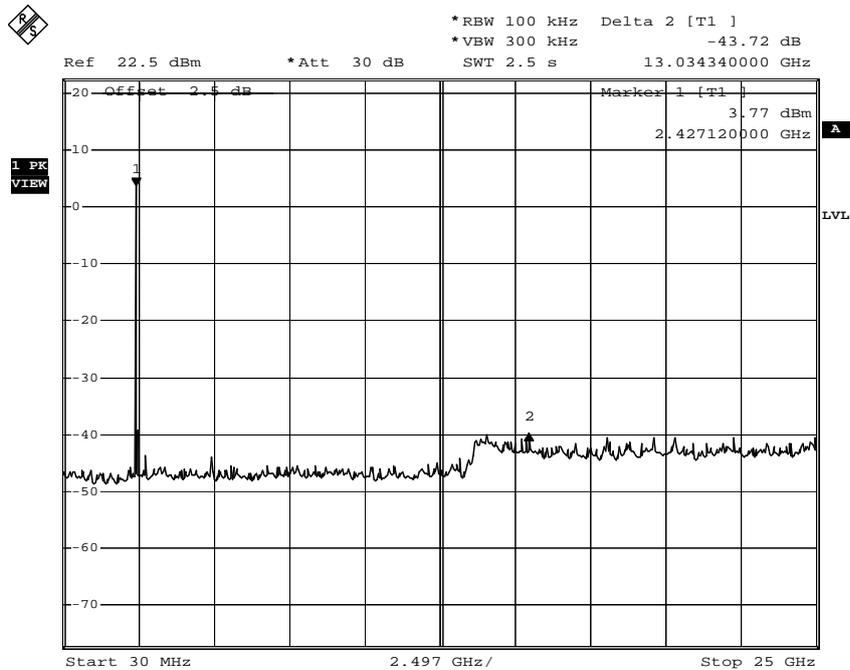
```
  -20─Offset  2.5 dB                             Marker 1 [T1 ]
                                                          1.34 dBm         A
  -10                                           2.377180000 GHz
1 PK
VIEW
    0                                                                      LVL
  -10
  -20
  -30
            1                               2
  -40
  -50
  -60
  -70
     Start 30 MHz              2.497 GHz/              Stop 25 GHz
```
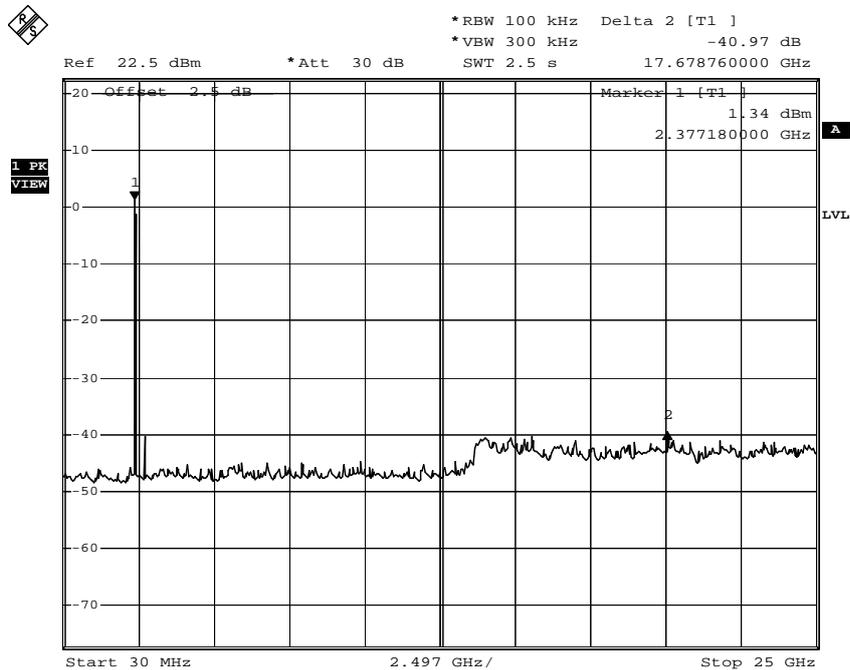
Comment: A:\2
Date: 16.NOV.2012 15:49:46

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

*RBW 100 kHz	Delta 2 [T1]
*VBW 300 kHz	-40.97 dB
Ref 22.5 dBm *Att 30 dB SWT 2.5 s	17.678760000 GHz

Offset 2.5 dB

Marker 1 [T1]
1.34 dBm
2.377180000 GHz

1 PK
VIEW

LVL

A

Start 30 MHz   2.497 GHz/   Stop 25 GHz
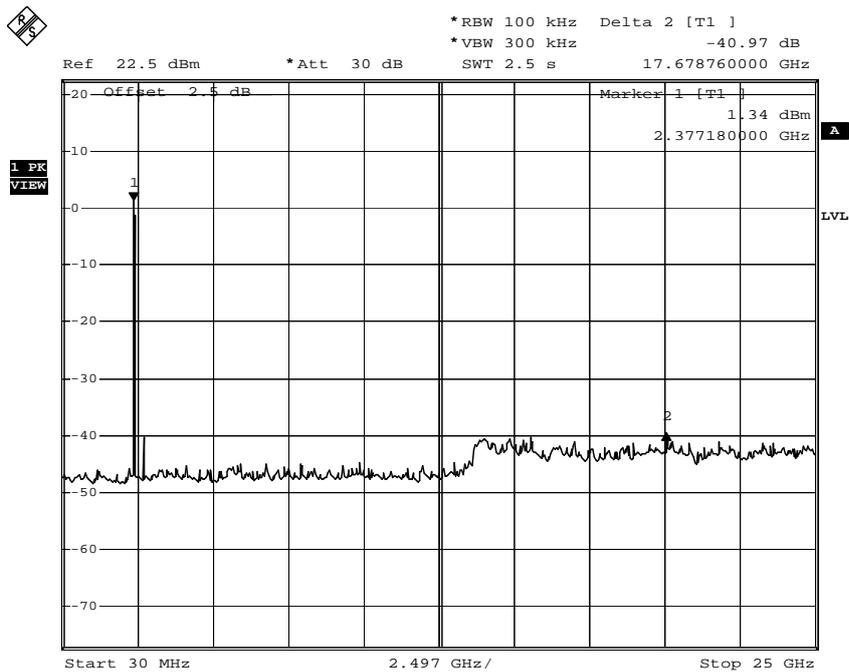
Comment: A:\2
Date: 16.NOV.2012 15:49:46

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

*RBW 100 kHz	Delta 2 [T1]
*VBW 300 kHz	-38.81 dB
Ref 22.5 dBm *Att 30 dB SWT 2.5 s	299.640000000 MHz

Offset 2.5 dB

Marker 1 [T1]
0.36 dBm
2.427120000 GHz

1 PK
VIEW

LVL

A

Start 30 MHz   2.497 GHz/   Stop 25 GHz
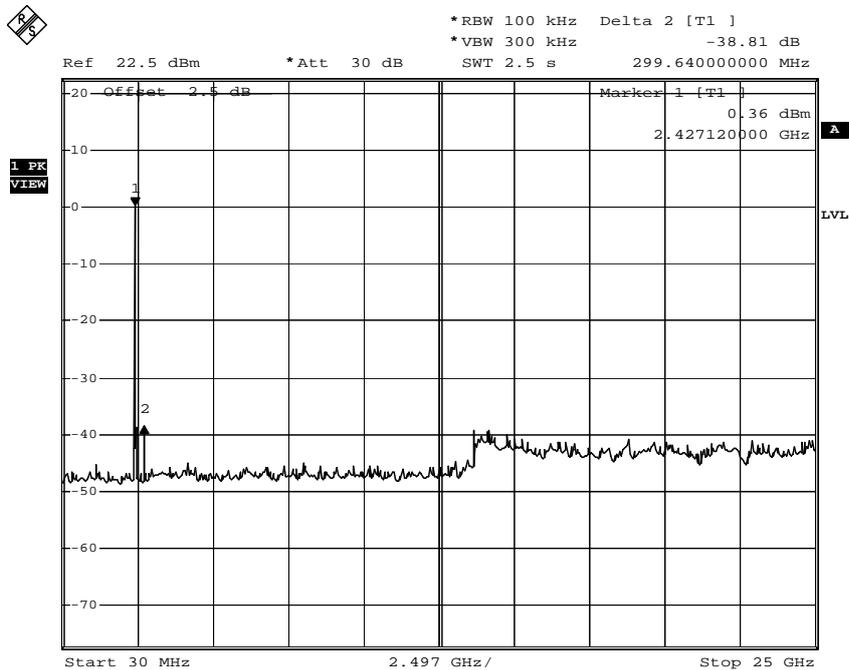
Comment: A:\2
Date: 16.NOV.2012 15:51:46

QuieTek

Product	Dual-band Wireless-AC1200 USB Adapter		
Test Item	RF antenna conducted test		
Test Mode	Mode 1: Transmit		
Date of Test	2012/11/19	Test Site	SR7

IEEE 802.11a, Duty Cycle: 1				
Channel No.	Frequency (MHz)	Measure Level (dBc)	Limit (dBc)	Result
149	5745	38.19	≥20	Pass
165	5825	47.13	≥20	Pass

Channel 149 (5745MHz)


```
                                        *RBW 100 kHz   Delta 2 [T1 ]
                                        *VBW 300 kHz              -38.19 dB
        Ref  23.5 dBm        *Att  30 dB      SWT 20 ms     -21.400000000 MHz
          Offset  3.5 dB                              Marker 1 [T1 ]
      20                                                      7.73 dBm
                                                       5.746400000 GHz
      10
      0
     -10
     -20
     -30
     -40
     -50
     -60
     -70
        Center 5.745 GHz              10 MHz/              Span 100 MHz
```
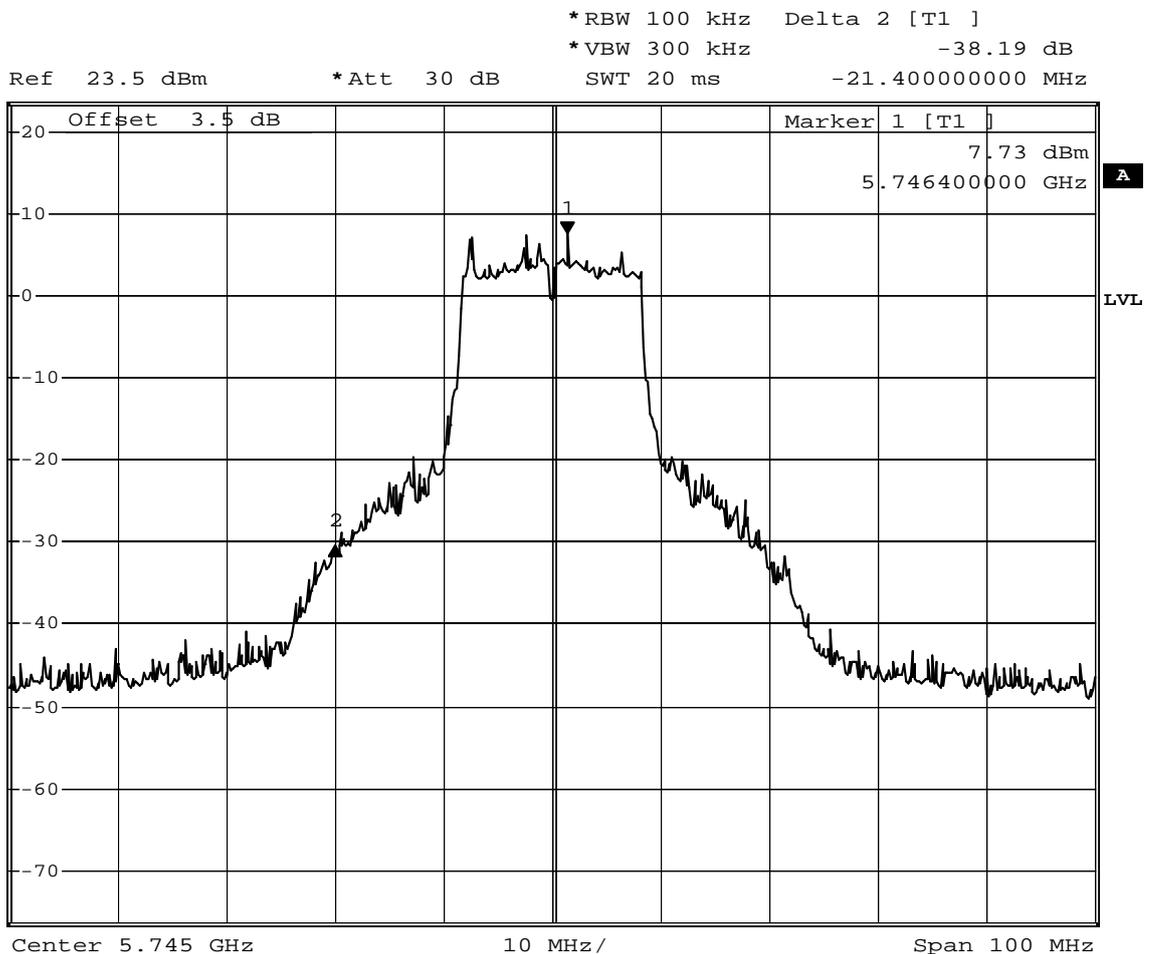
Comment: A:\2
Date: 19.NOV.2012 16:43:23

Channel 165 (5825MHz)


```
                                              *RBW  100 kHz   Delta 2 [T1 ]
                                              *VBW  300 kHz            -47.13 dB
        Ref   23.5 dBm          *Att   30 dB    SWT 20 ms        27.200000000 MHz
```

Offset 3.5 dB — Marker 1 [T1]
5.70 dBm
5.823400000 GHz

A

LVL

1 PK VIEW

Center 5.825 GHz   10 MHz/   Span 100 MHz

Comment: A:\2
Date: 19.NOV.2012   16:45:34

QuieTek

Product	Dual-band Wireless-AC1200 USB Adapter		
Test Item	RF antenna conducted test		
Test Mode	Mode 1: Transmit		
Date of Test	2012/11/19	Test Site	SR7

IEEE 802.11n (20MHz), (ANT 0)   Duty Cycle: 1

Channel No.	Frequency (MHz)	Measure Level (dBc)	Limit (dBc)	Result
149	5745	38.49	≧20	Pass
165	5825	48.79	≧20	Pass

Channel 149 (5745MHz)

```
                                    *RBW 100 kHz   Delta 2 [T1 ]
                                    *VBW 300 kHz              -38.49 dB
    Ref  23.5 dBm        *Att  30 dB    SWT 20 ms        -23.200000000 MHz
         Offset  3.5 dB                        Marker 1 [T1 ]
  20                                                        5.18 dBm
                                                      5.746400000 GHz   A
  10
1 PK
VIEW
   0

 -10

 -20

 -30

 -40

 -50

 -60

 -70

   Center 5.745 GHz           10 MHz/            Span 100 MHz
```

Comment: A:\2
Date: 19.NOV.2012 16:49:59

Channel 165 (5825MHz)

Comment: A:\2
Date: 19.NOV.2012 16:47:26

Product	Dual-band Wireless-AC1200 USB Adapter		
Test Item	RF antenna conducted test		
Test Mode	Mode 1: Transmit		
Date of Test	2012/11/19	Test Site	SR7

IEEE 802.11n (20MHz), (ANT 1)　Duty Cycle: 1

Channel No.	Frequency (MHz)	Measure Level (dBc)	Limit (dBc)	Result
149	5745	39.04	≧20	Pass
165	5825	49.16	≧20	Pass

Channel 149 (5745MHz)
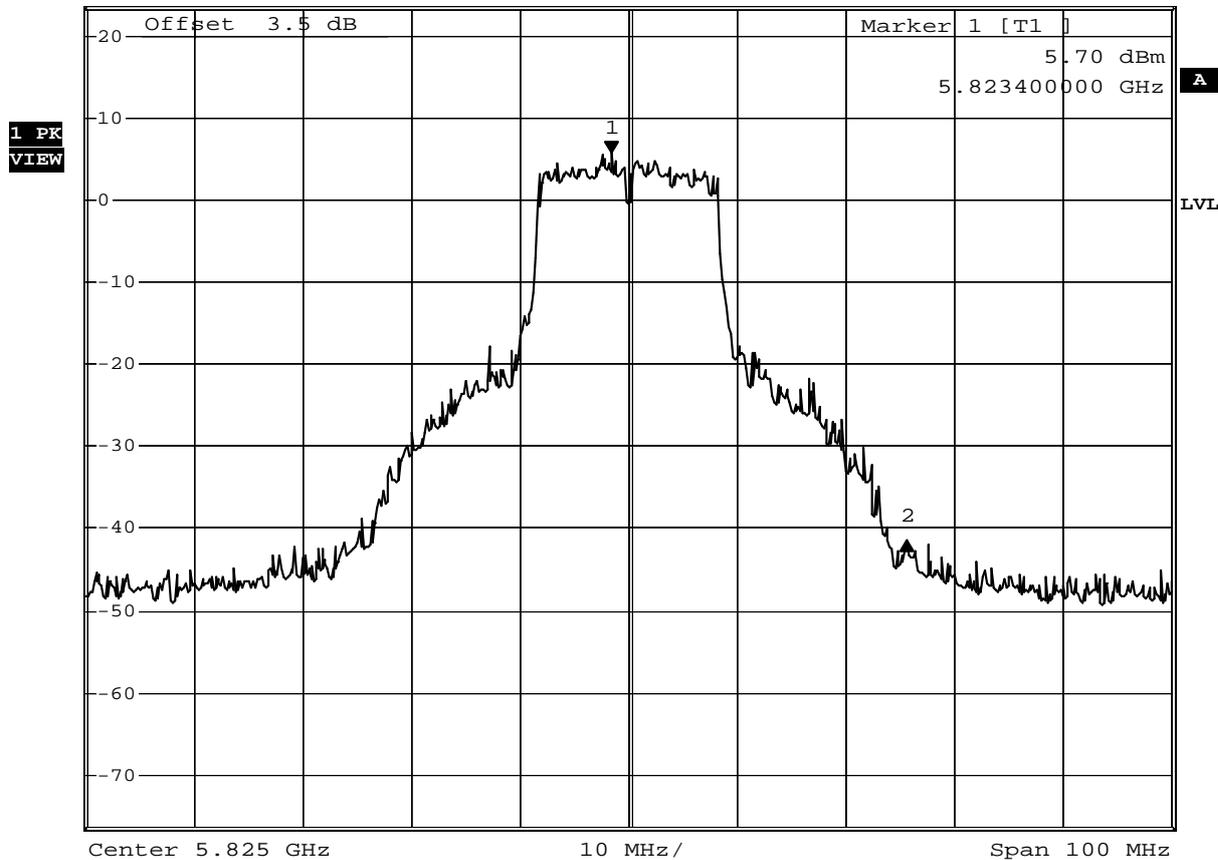


```
                                    *RBW  100 kHz   Delta 2 [T1 ]
                                    *VBW  300 kHz              -39.04 dB
Ref   23.5 dBm          *Att  30 dB    SWT 20 ms      -19.400000000 MHz

      Offset   3.5 dB                              Marker  1 [T1 ]
   20                                                          5.31 dBm     A
                                                       5.743800000 GHz
   10                                                                       LVL
1 PK
VIEW
```

Center 5.745 GHz   10 MHz/   Span 100 MHz
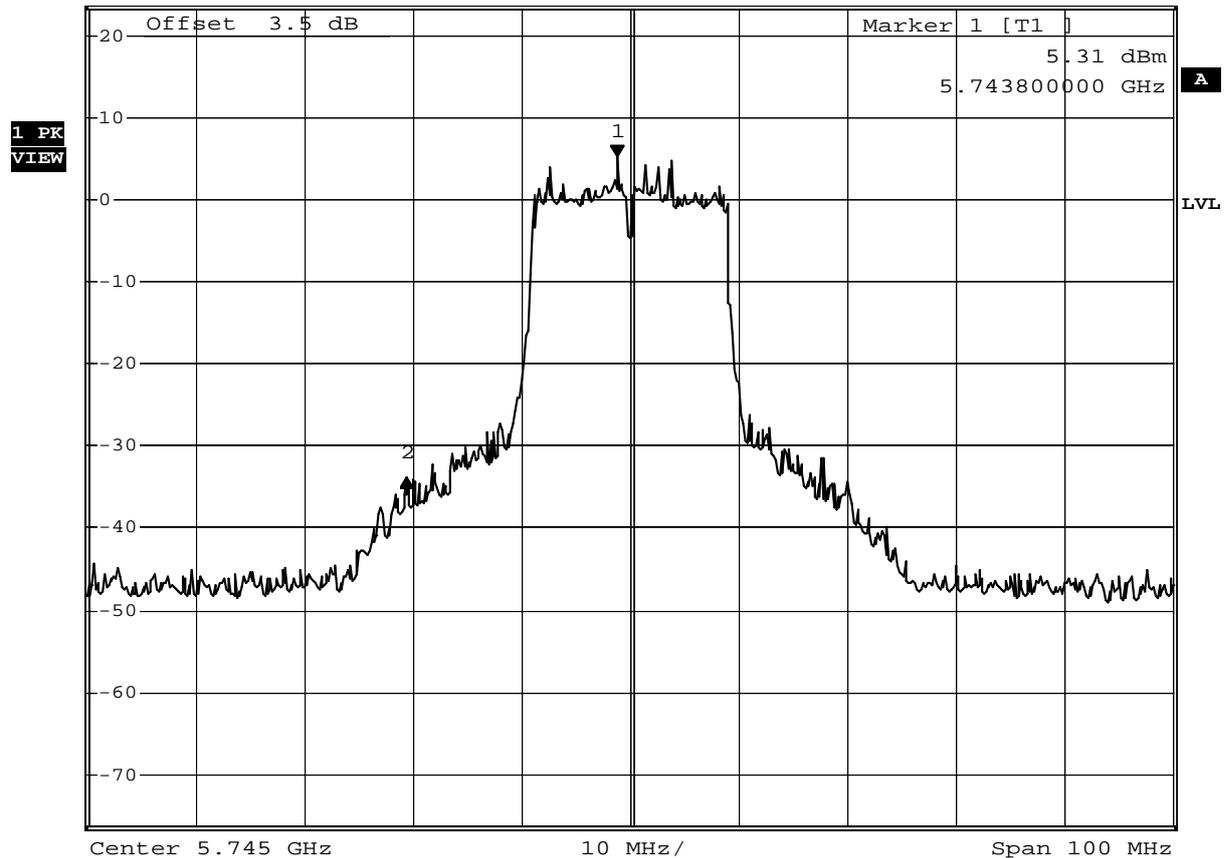
Comment: A:\2
Date: 19.NOV.2012 17:09:11

Channel 165 (5825MHz)

Comment: A:\2
Date: 19.NOV.2012   17:06:59

QuieTek

Product	Dual-band Wireless-AC1200 USB Adapter		
Test Item	RF antenna conducted test		
Test Mode	Mode 1: Transmit		
Date of Test	2012/11/19	Test Site	SR7

IEEE 802.11n (40MHz), (ANT 0) Duty Cycle: 1				
Channel No.	Frequency (MHz)	Measure Level (dBc)	Limit (dBc)	Result
151	5755	33.98	≧20	Pass
159	5795	47.22	≧20	Pass

Channel 151 (5755MHz)


```
                                    *RBW 100 kHz   Delta 2 [T1 ]
                                    *VBW 300 kHz              -33.98 dB
Ref  23.5 dBm         *Att  30 dB    SWT 20 ms      -32.800000000 MHz
     Offset  3.5 dB                          Marker 1 [T1 ]
                                                         1.74 dBm
                                             5.750200000 GHz      A

                                                                 LVL

Center 5.755 GHz              20 MHz/              Span 200 MHz
```
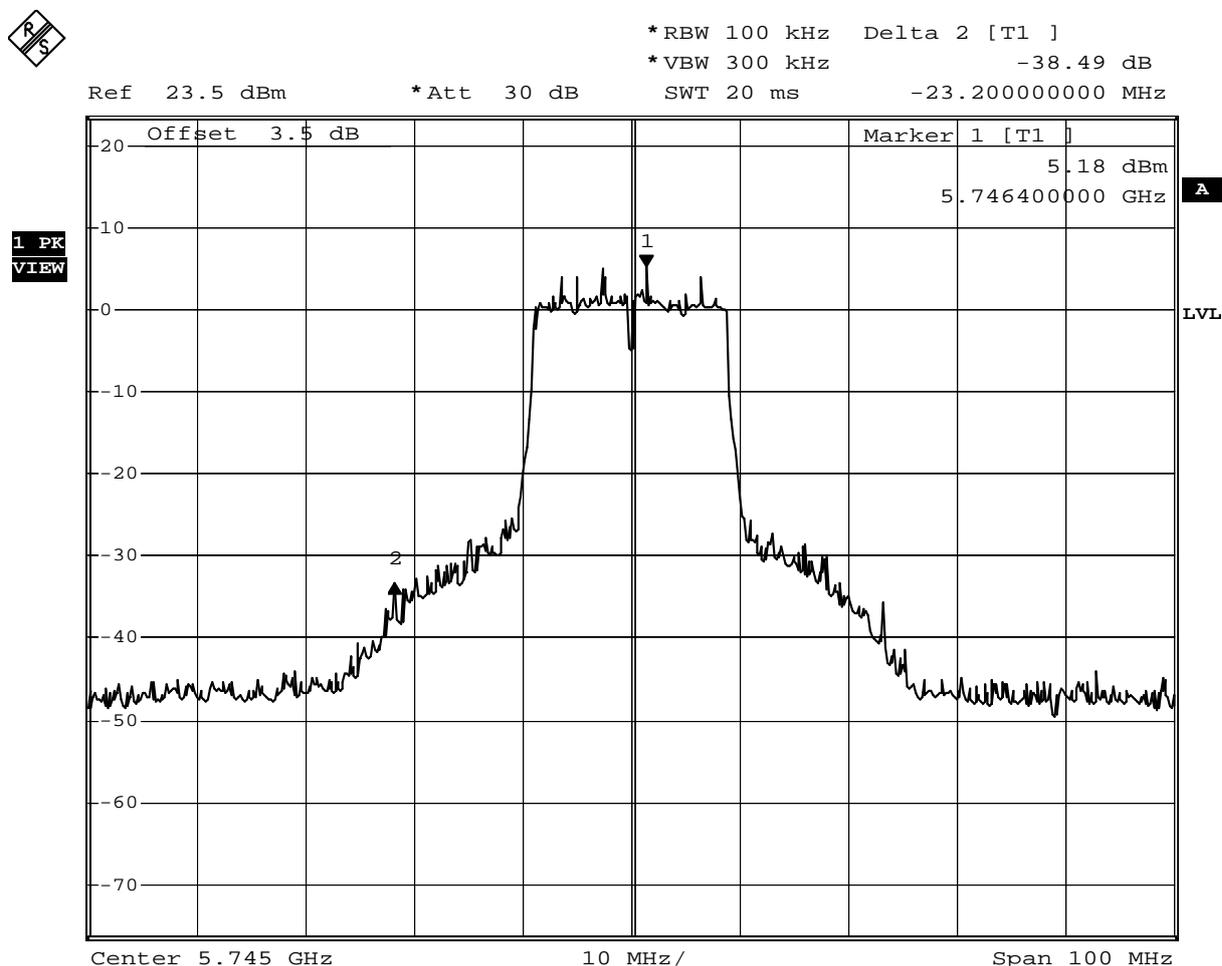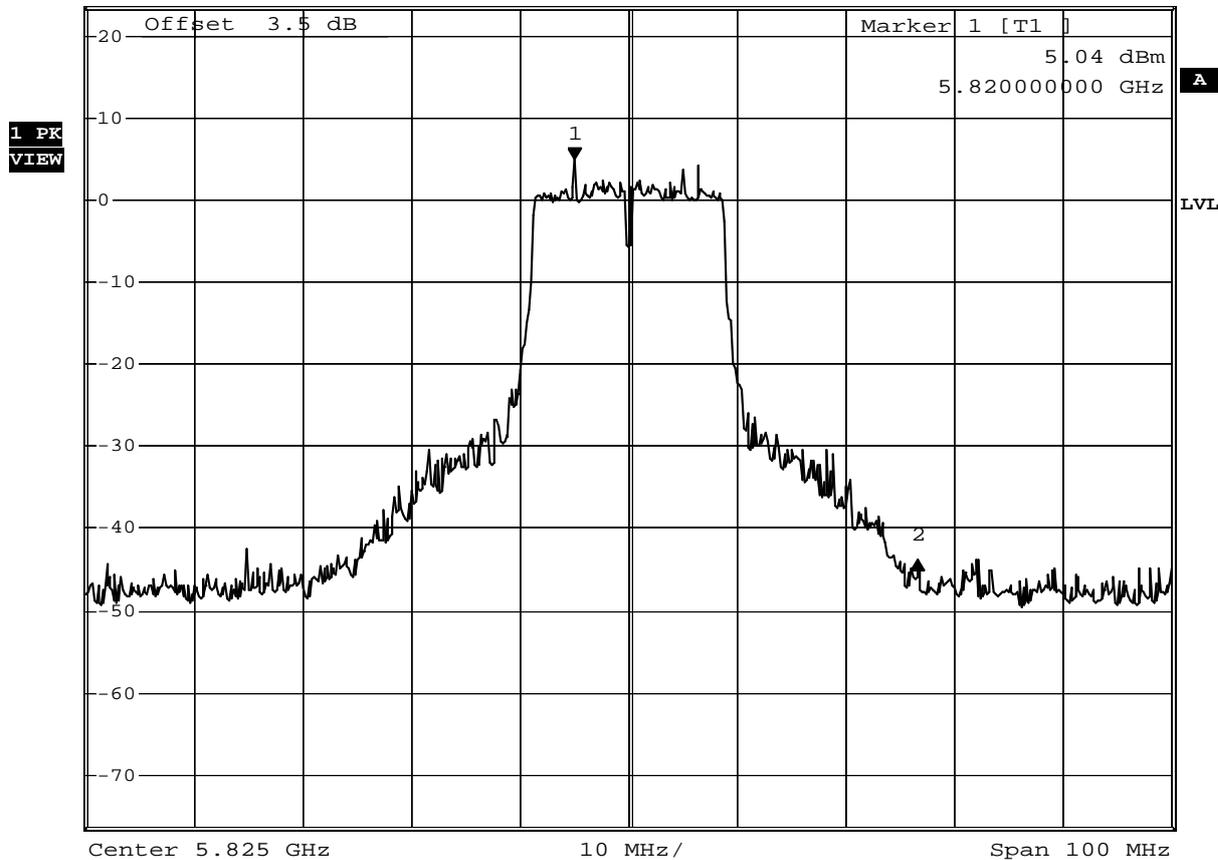
Comment: A:\2
Date: 19.NOV.2012 16:54:37

Channel 159 (5795MHz)

Product	Dual-band Wireless-AC1200 USB Adapter		
Test Item	RF antenna conducted test		
Test Mode	Mode 1: Transmit		
Date of Test	2012/11/19	Test Site	SR7

IEEE 802.11n (40MHz), (ANT 1)　Duty Cycle: 1

Channel No.	Frequency (MHz)	Measure Level (dBc)	Limit (dBc)	Result
151	5755	31.90	≧20	Pass
159	5795	46.99	≧20	Pass

Channel 151 (5755MHz)


```
                                    *RBW  100 kHz   Delta 2 [T1 ]
                                    *VBW  300 kHz              -31.90 dB
Ref  23.5 dBm         *Att  30 dB    SWT 20 ms       -48.400000000 MHz

    Offset  3.5 dB                              Marker 1 [T1 ]
                                                         1.50 dBm
                                                  5.772600000 GHz    A

1 PK
VIEW                                                              LVL

Center 5.755 GHz             20 MHz/              Span 200 MHz
```

Comment: A:\2
Date: 19.NOV.2012 17:03:56

Channel 159 (5795MHz)

```
                                      *RBW 100 kHz   Delta 2 [T1 ]
                                      *VBW 300 kHz            -46.99 dB
        Ref   23.5 dBm        *Att  30 dB    SWT 20 ms      88.000000000 MHz
```
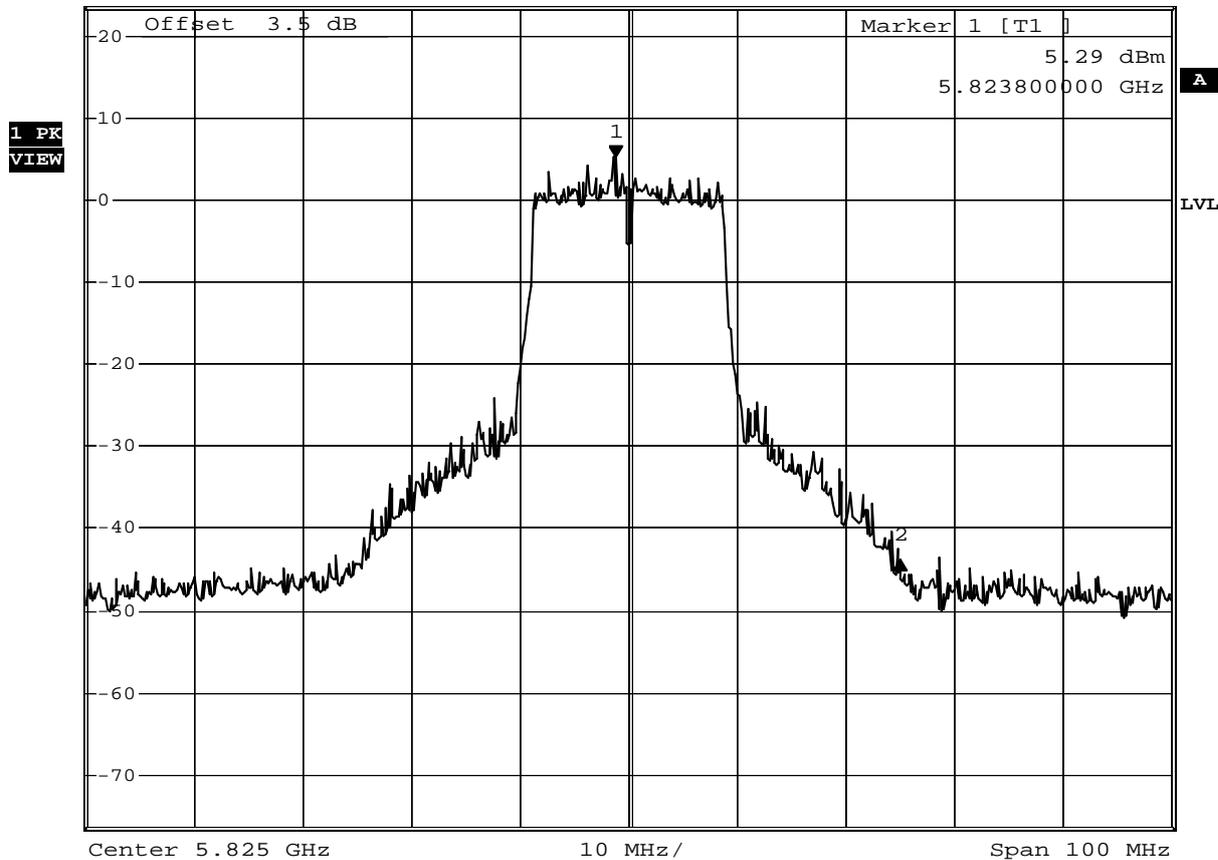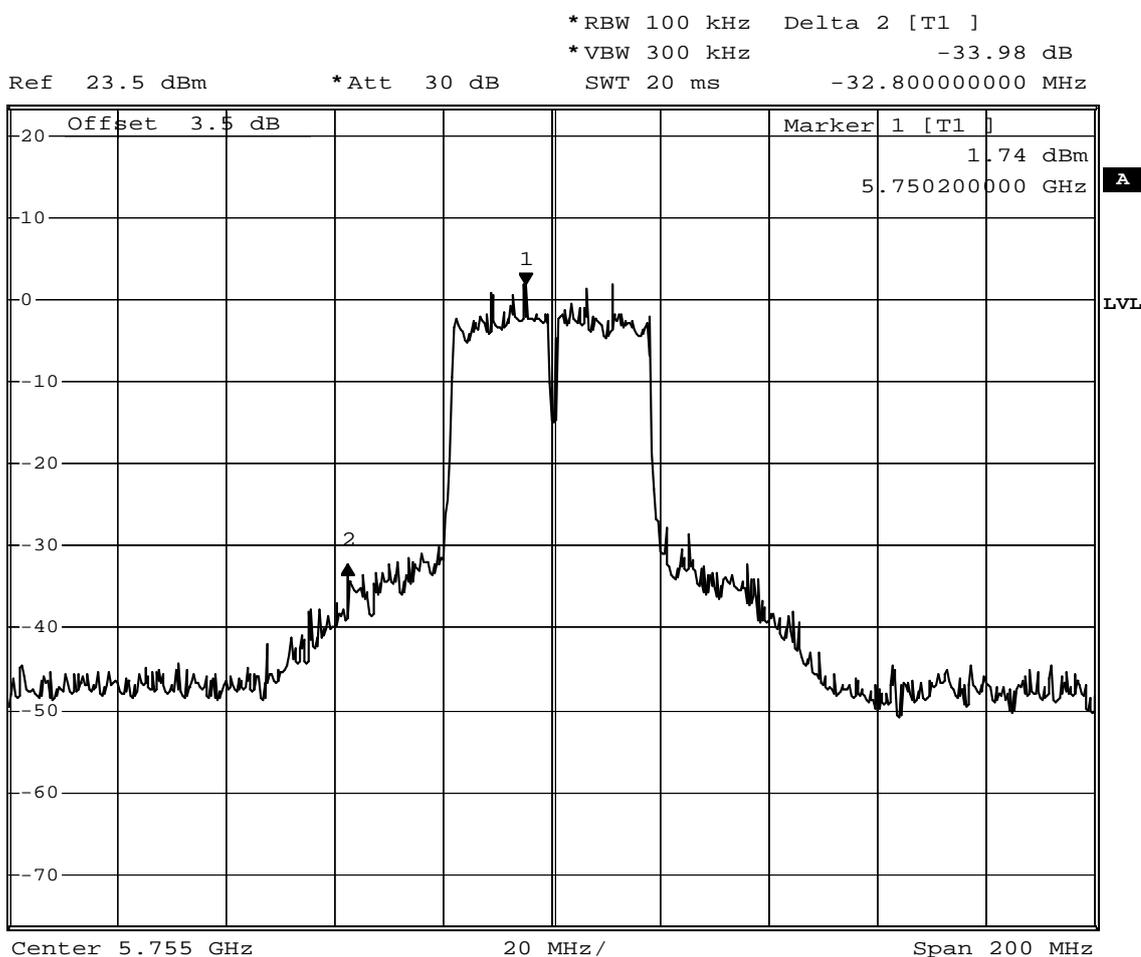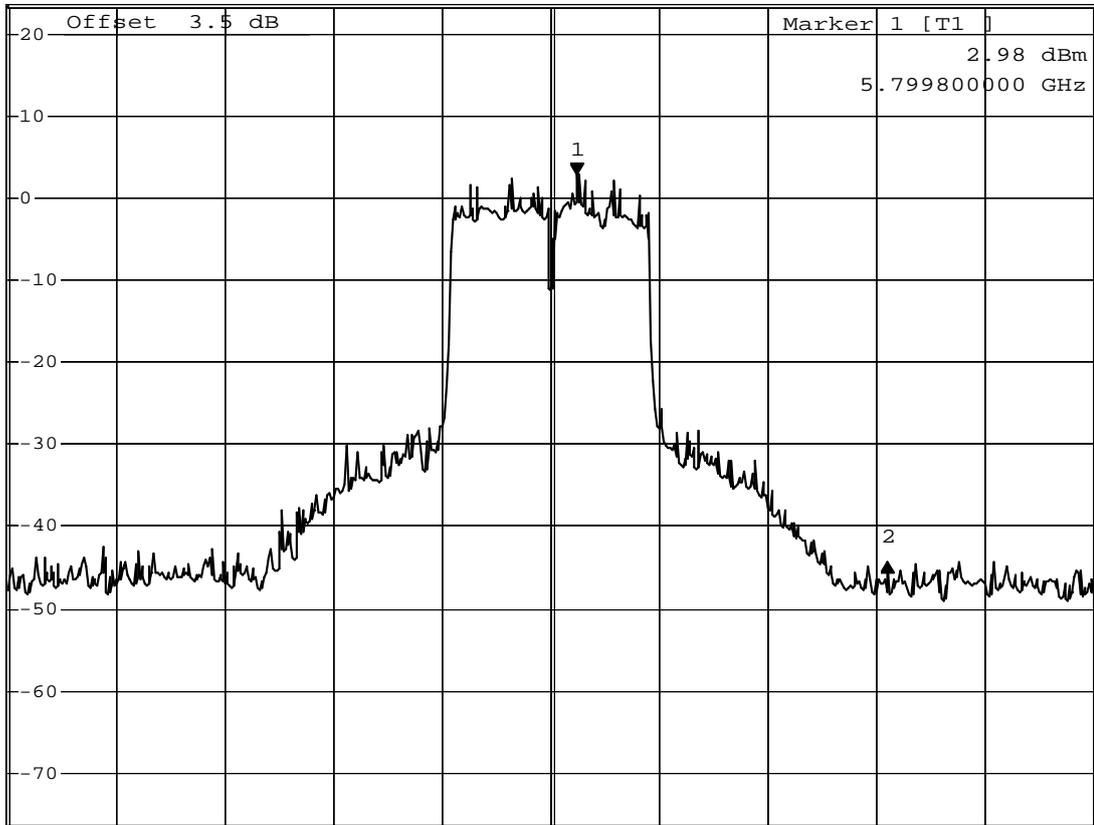


```
Center 5.795 GHz              20 MHz/              Span 200 MHz
```

Comment: A:\2
Date: 19.NOV.2012 17:05:59

Product	Dual-band Wireless-AC1200 USB Adapter		
Test Item	RF antenna conducted test		
Test Mode	Mode 1: Transmit		
Date of Test	2012/11/19	Test Site	SR7

IEEE 802.11ac (80MHz), (ANT 0)　Duty Cycle: 1				
Channel No.	Frequency (MHz)	Measure Level (dBc)	Limit (dBc)	Result
155	5775	38.87	≧20	Pass

Channel 155 (5775MHz)


```
*RBW 100 kHz   Delta 2 [T1 ]
*VBW 300 kHz              -38.87 dB
Ref  23.5 dBm        *Att  30 dB     SWT 20 ms      104.400000000 MHz
Offset  3.5 dB                       Marker 1 [T1 ]
                                              -0.73 dBm
                                         5.747400000 GHz

Center 5.775 GHz            20 MHz/              Span 200 MHz
```

Comment: A:\2
Date: 19.NOV.2012 16:59:25

Product	Dual-band Wireless-AC1200 USB Adapter		
Test Item	RF antenna conducted test		
Test Mode	Mode 1: Transmit		
Date of Test	2012/11/19	Test Site	SR7

IEEE 802.11ac (80MHz), (ANT 1) Duty Cycle: 1				
Channel No.	Frequency (MHz)	Measure Level (dBc)	Limit (dBc)	Result
155	5775	38.40	≧20	Pass

Channel 155 (5775MHz)


```
                                          *RBW 100 kHz   Delta 2 [T1 ]
                                          *VBW 300 kHz            -38.40 dB
   Ref  23.5 dBm        *Att  30 dB    SWT 20 ms      86.200000000 MHz
   Offset  3.5 dB                                  Marker 1 [T1 ]
                                                           -1.39 dBm
                                                   5.763800000 GHz
```
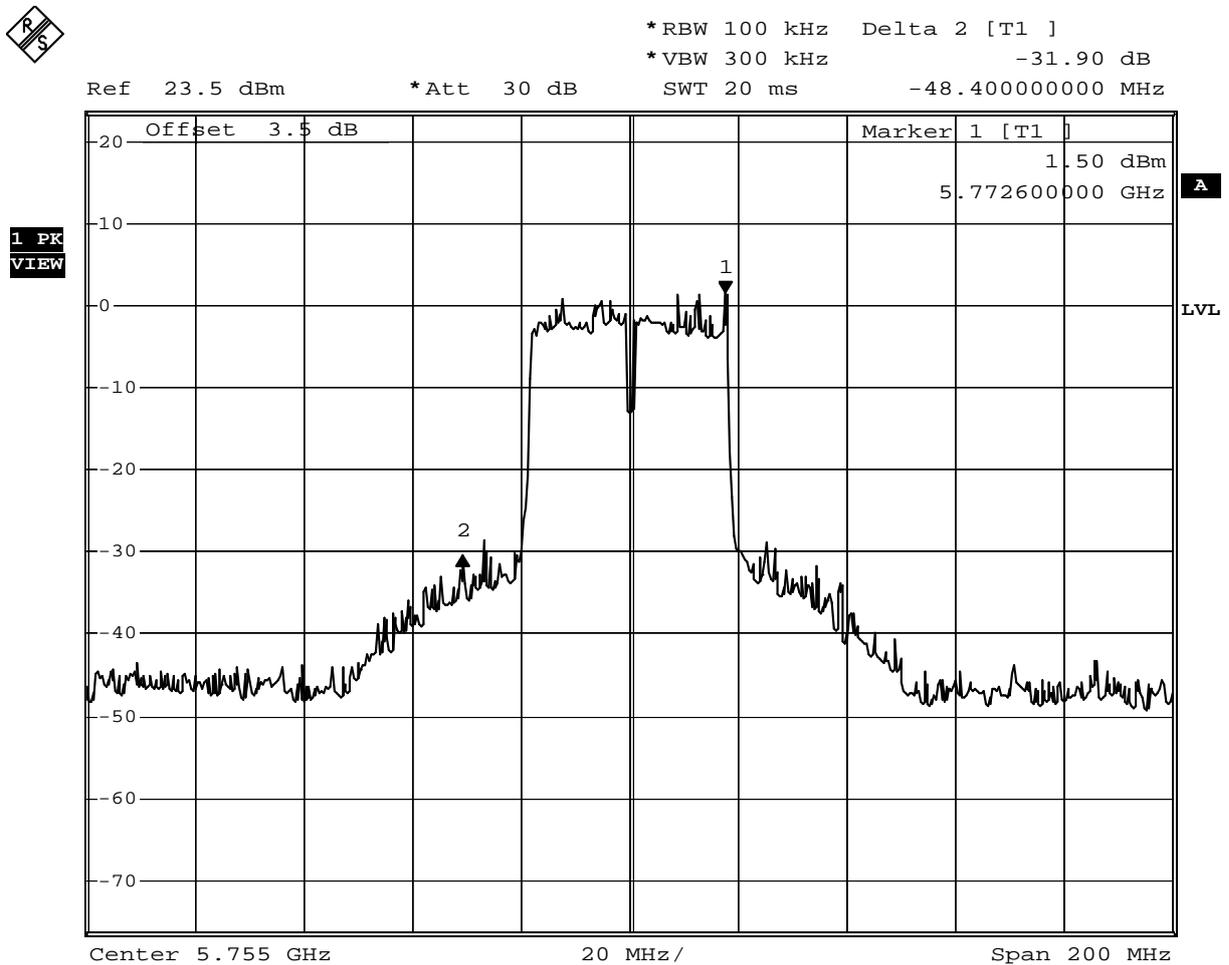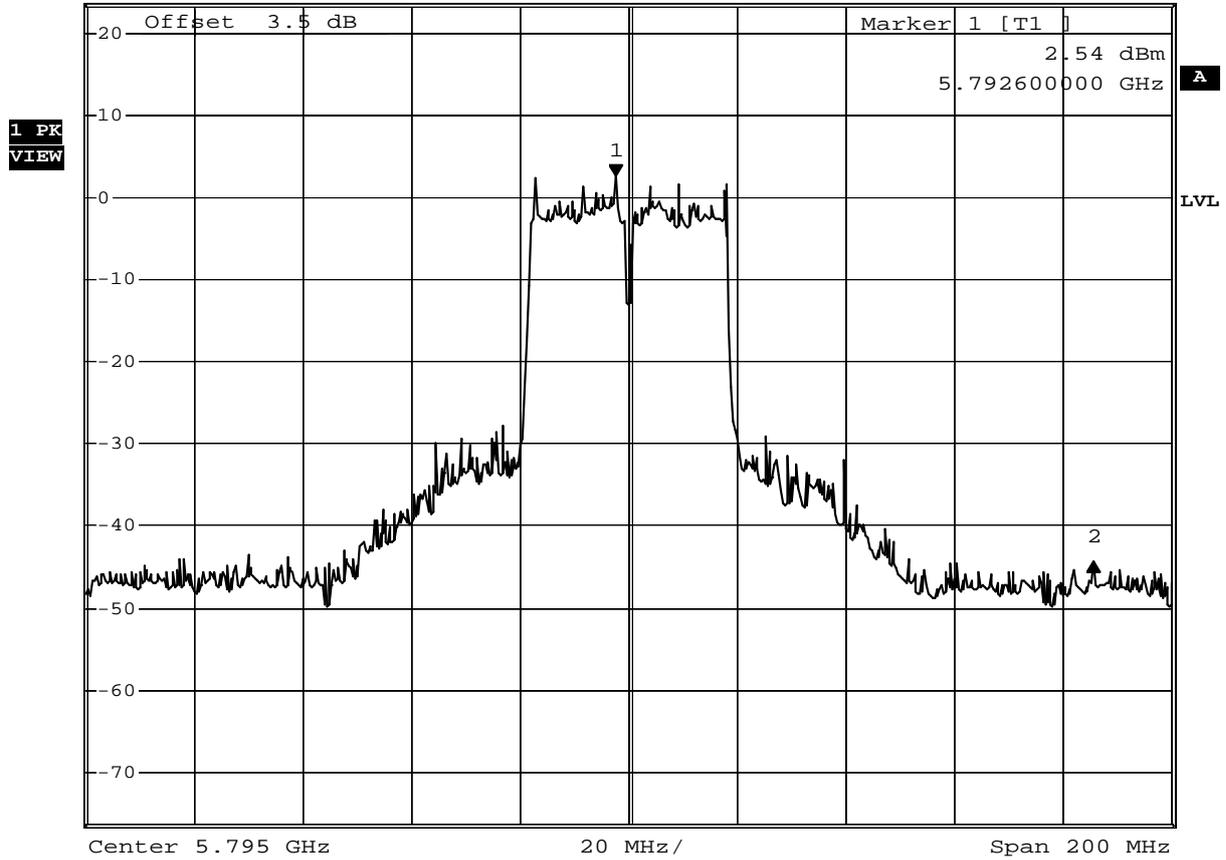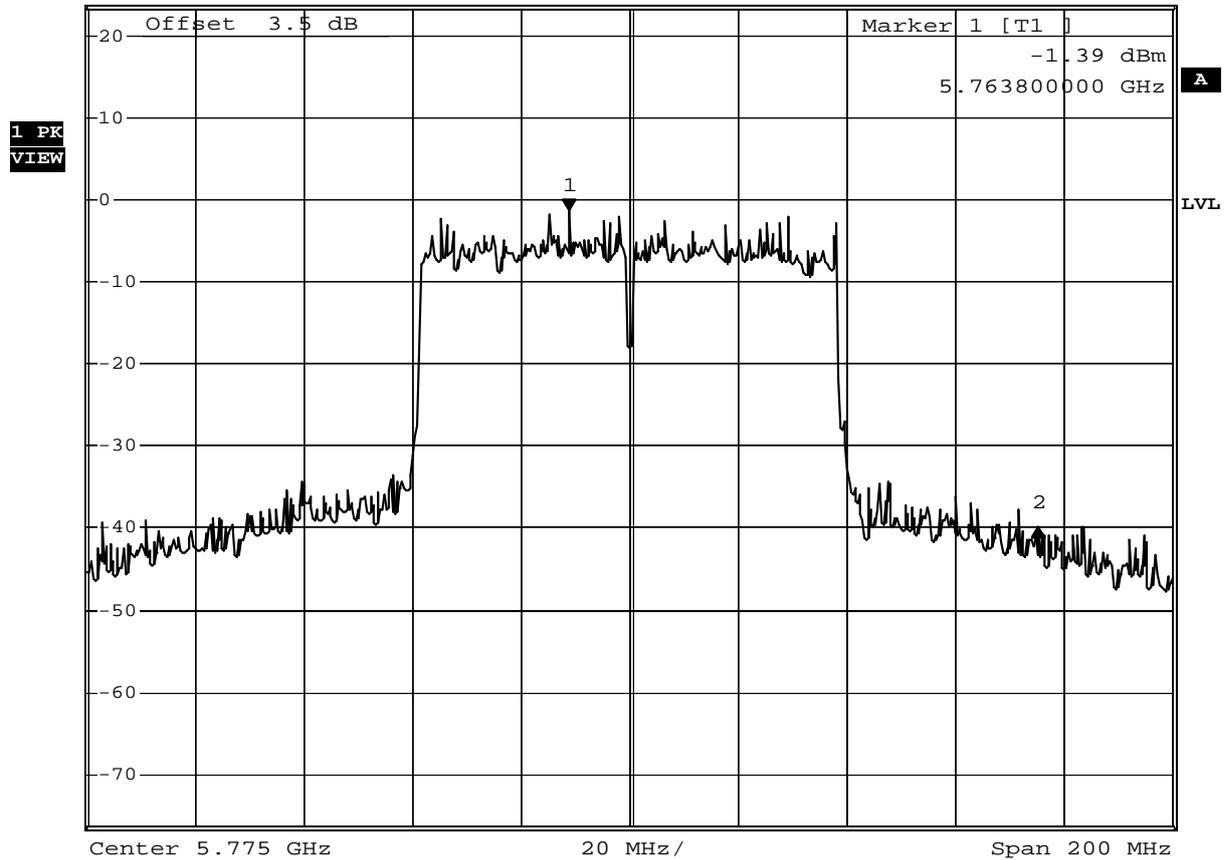
Comment: A:\2
Date: 19.NOV.2012 17:02:47

QuieTek

Product	Dual-band Wireless-AC1200 USB Adapter		
Test Item	RF antenna conducted test		
Test Mode	Mode 1: Transmit		
Date of Test	2012/11/19	Test Site	SR7

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


```
                                    *RBW 100 kHz   Delta 2 [T1 ]
                                    *VBW 300 kHz           -42.89 dB
Ref  23.5 dBm        *Att  30 dB    SWT 2.5 s        9.139020000 GHz
    Offset   3.5 dB                          Marker 1 [T1 ]
                                                         3.99 dBm
                                                5.723160000 GHz
1 PK
VIEW
                                                                 LVL

Start 30 MHz              2.497 GHz/              Stop 25 GHz
```
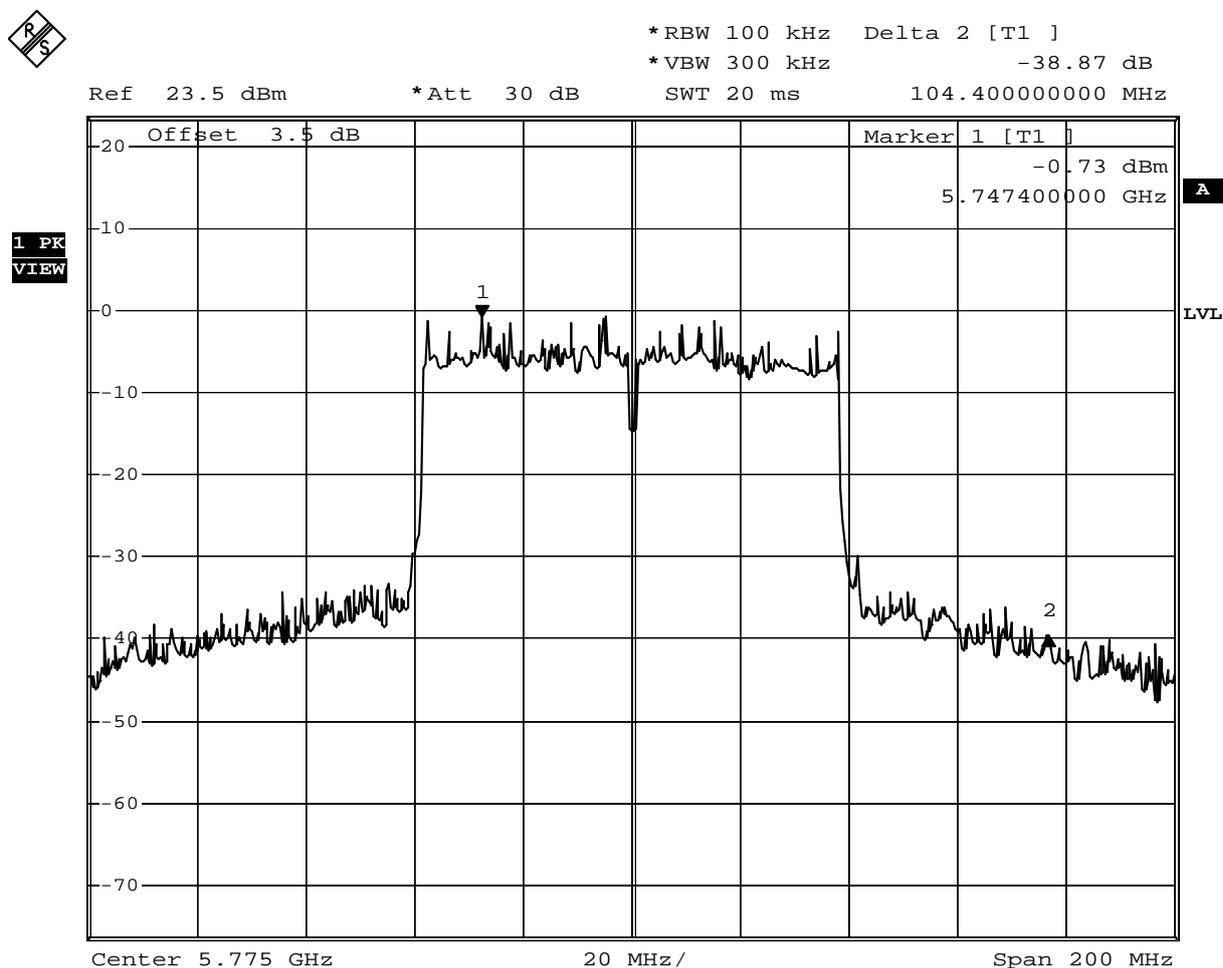
Comment: A:\2
Date: 19.NOV.2012 16:44:19

5785MHz (30MHz~25GHz)-802.11a


```
                                    *RBW 100 kHz   Delta 2 [T1 ]
                                    *VBW 300 kHz           -43.55 dB
Ref  23.5 dBm        *Att  30 dB    SWT 2.5 s        8.739500000 GHz
    Offset   3.5 dB                          Marker 1 [T1 ]
                                                         4.52 dBm
                                                5.823040000 GHz
1 PK
VIEW
                                                                 LVL

Start 30 MHz              2.497 GHz/              Stop 25 GHz
```

Comment: A:\2
Date: 19.NOV.2012 16:45:00

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

```
                                        *RBW 100 kHz   Delta 2 [T1 ]
                                        *VBW 300 kHz          -40.78 dB
        Ref  23.5 dBm      *Att  30 dB   SWT 2.5 s        8.290040000 GHz
```
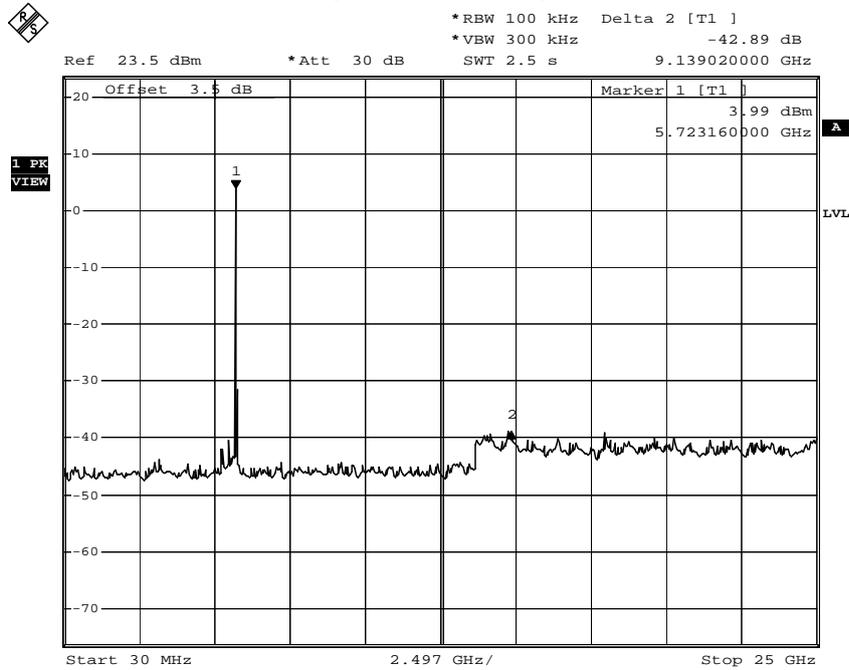
Offset 3.5 dB   Marker 1 [T1]
2.76 dBm
5.723160000 GHz

1 PK VIEW

LVL

```
Start 30 MHz              2.497 GHz/              Stop 25 GHz
```
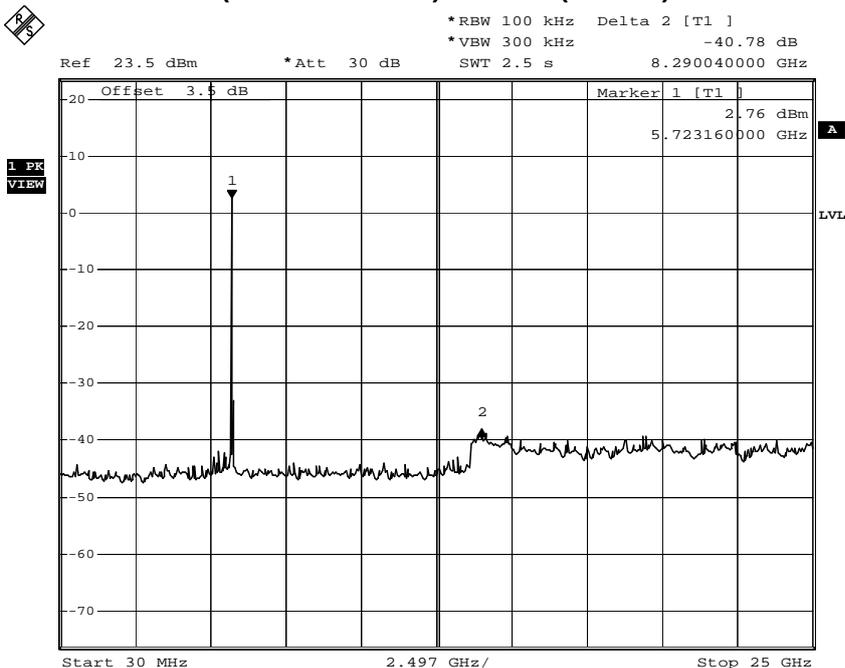
Comment: A:\2
Date: 19.NOV.2012 16:49:28

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

```
                                        *RBW 100 kHz   Delta 2 [T1 ]
                                        *VBW 300 kHz          -44.17 dB
        Ref  23.5 dBm      *Att  30 dB   SWT 2.5 s        9.488600000 GHz
```

Offset 3.5 dB   Marker 1 [T1]
5.02 dBm
5.823040000 GHz

1 PK VIEW

LVL

```
Start 30 MHz              2.497 GHz/              Stop 25 GHz
```
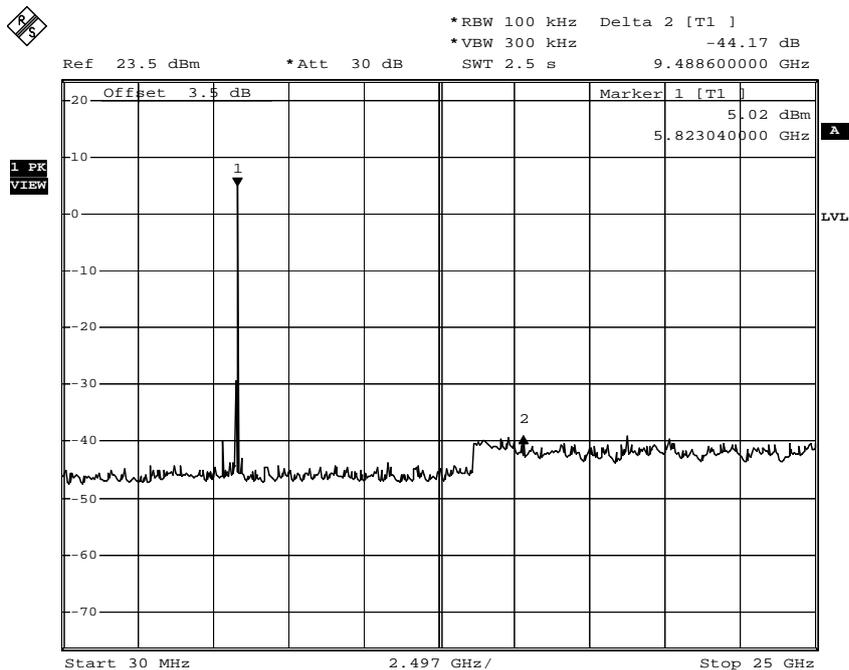
Comment: A:\2
Date: 19.NOV.2012 16:48:44

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

```
                                    *RBW 100 kHz   Delta 2 [T1 ]
                                    *VBW 300 kHz           -38.86 dB
         Ref  23.5 dBm       *Att  30 dB   SWT 2.5 s   -449.460000000 MHz
```
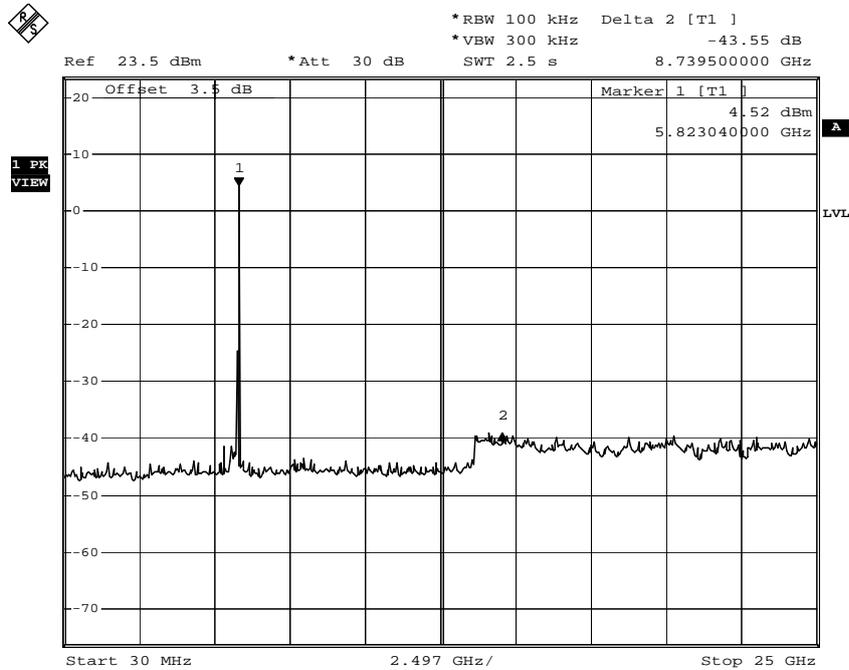


```
Start 30 MHz              2.497 GHz/              Stop 25 GHz
```
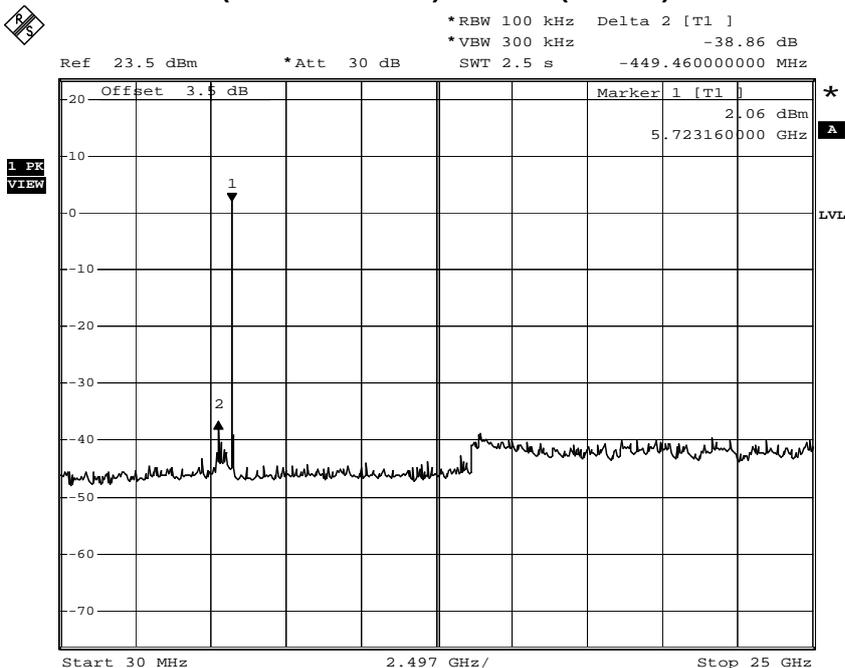
Comment: A:\2
Date: 19.NOV.2012 17:08:33

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

```
                                    *RBW 100 kHz   Delta 2 [T1 ]
                                    *VBW 300 kHz           -38.86 dB
         Ref  23.5 dBm       *Att  30 dB   SWT 2.5 s   -499.400000000 MHz
```



```
Start 30 MHz              2.497 GHz/              Stop 25 GHz
```
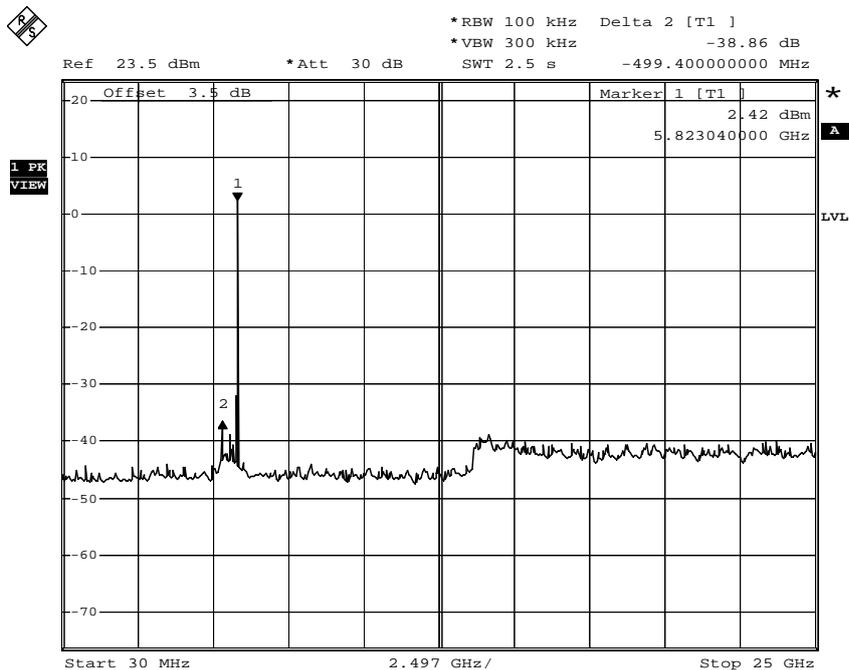
Comment: A:\2
Date: 19.NOV.2012 17:08:01

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

```
                                          *RBW 100 kHz   Delta 2 [T1 ]
                                          *VBW 300 kHz              -38.29 dB
         Ref  23.5 dBm        *Att  30 dB    SWT 2.5 s      8.190160000 GHz
```

Marker 1 [T1]
-0.73 dBm
5.723160000 GHz

```
Start 30 MHz                    2.497 GHz/                  Stop 25 GHz
```
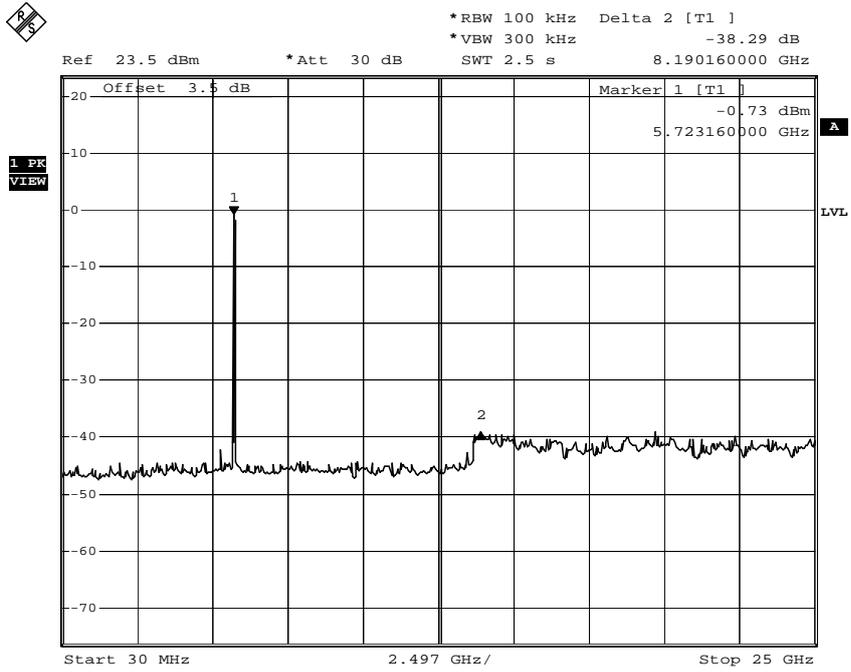
Comment: A:\2
Date: 19.NOV.2012 16:52:39

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

```
                                          *RBW 100 kHz   Delta 2 [T1 ]
                                          *VBW 300 kHz              -40.22 dB
         Ref  23.5 dBm        *Att  30 dB    SWT 2.5 s      8.190160000 GHz
```

Marker 1 [T1]
2.15 dBm
5.773100000 GHz

```
Start 30 MHz                    2.497 GHz/                  Stop 25 GHz
```
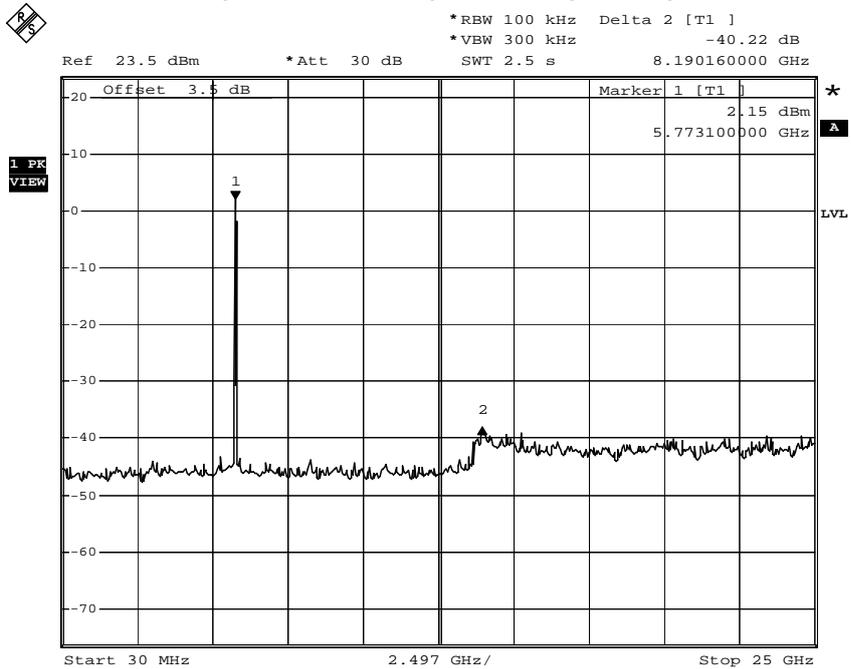
Comment: A:\2
Date: 19.NOV.2012 16:53:19

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

```
                                      *RBW 100 kHz   Delta 2 [T1 ]
                                      *VBW 300 kHz              -41.25 dB
        Ref  23.5 dBm     *Att  30 dB   SWT 2.5 s        8.290040000 GHz
```



```
Start 30 MHz                 2.497 GHz/              Stop 25 GHz
```
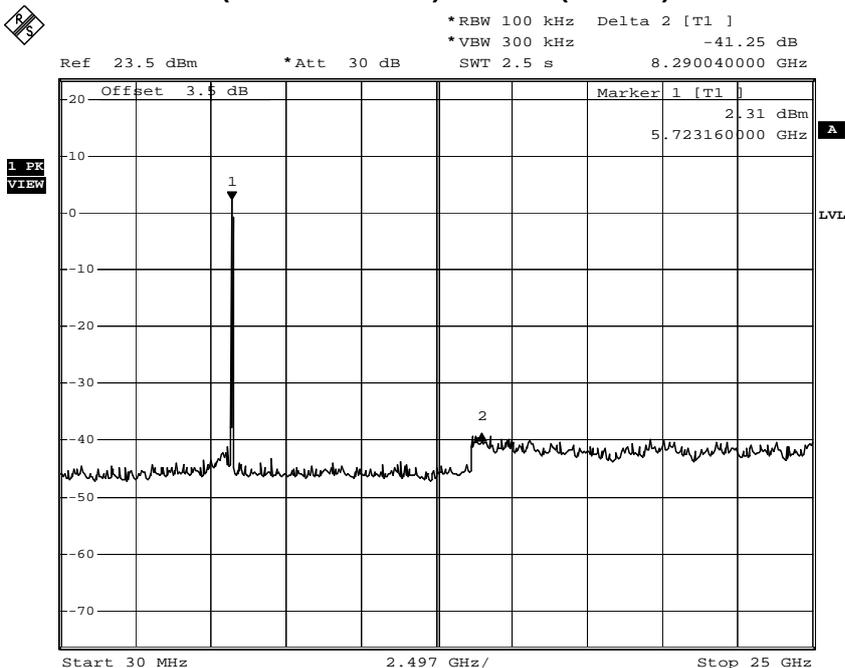
Comment: A:\2
Date: 19.NOV.2012 17:04:48

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

```
                                      *RBW 100 kHz   Delta 2 [T1 ]
                                      *VBW 300 kHz              -40.71 dB
        Ref  23.5 dBm     *Att  30 dB   SWT 2.5 s       17.129420000 GHz
```



```
Start 30 MHz                 2.497 GHz/              Stop 25 GHz
```
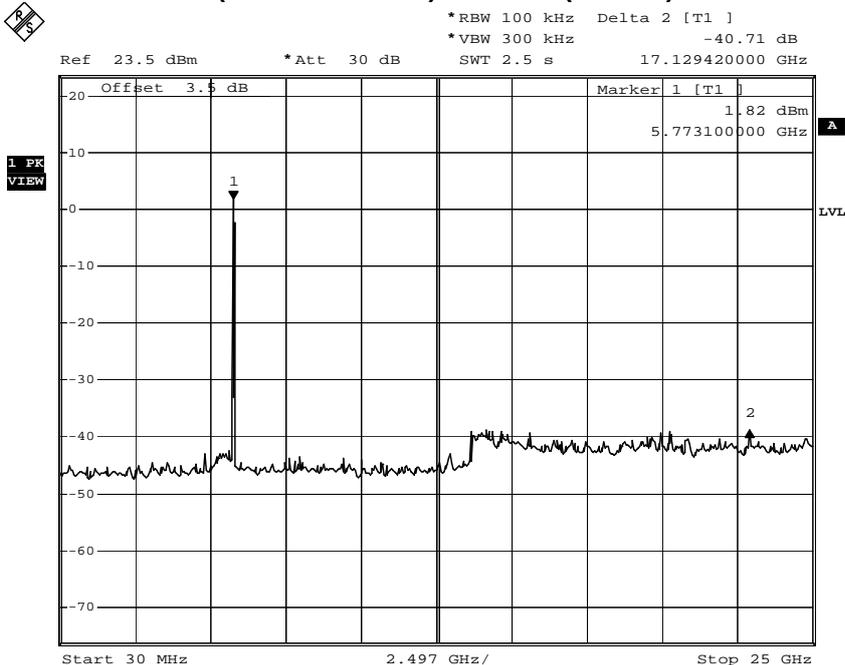
Comment: A:\2
Date: 19.NOV.2012 17:05:24

5775MHz (30MHz~25GHz)-802.11ac(80MHz)-ANT 0

```
*RBW 100 kHz    Delta 2 [T1 ]
*VBW 300 kHz              -38.68 dB
Ref  23.5 dBm      *Att  30 dB    SWT 2.5 s      8.090280000 GHz
```

Offset 3.5 dB

```
                                          Marker 1 [T1 ]
                                                  -0.57 dBm
                                           5.773100000 GHz
```

1 PK VIEW

```
Start 30 MHz              2.497 GHz/              Stop 25 GHz
```
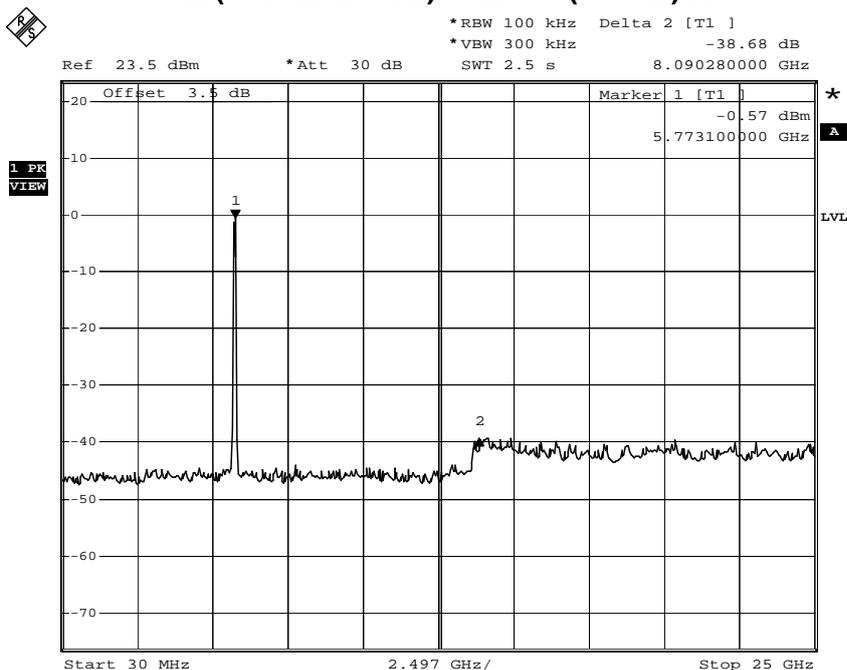
Comment: A:\2
Date: 19.NOV.2012 17:00:56

5775MHz (30MHz~25GHz) -802.11ac(80MHz)-ANT 1

```
*RBW 100 kHz    Delta 2 [T1 ]
*VBW 300 kHz              -37.05 dB
Ref  23.5 dBm      *Att  30 dB    SWT 2.5 s      8.439860000 GHz
```

Offset 3.5 dB

```
                                          Marker 1 [T1 ]
                                                  -1.33 dBm
                                           5.723160000 GHz
```

1 PK VIEW

```
Start 30 MHz              2.497 GHz/              Stop 25 GHz
```

Comment: A:\2
Date: 19.NOV.2012 17:01:44