

FCC Test Report

Product Name : 802.11ac Dual Band Router
Model No. : RT-AC52U
FCC ID. : MSQ-RTAC52U

Applicant : ASUSTeK COMPUTER INC.

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

Date of Receipt : 2013/09/10

Issued Date : 2013/11/01

Report No. : 139449R-RFUSP42V01

Report Version : V1.0



The test results relate only to the samples tested.

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

Test Report Certification

Issued Date : 2013/11/01

Report No. : 139449R-RFUSP42V01



Product Name : 802.11ac Dual Band Router
 Applicant : ASUSTeK COMPUTER INC.
 Address : 4F, No. 150, Li-Te Rd., Peitou, Taipei, Taiwan, R.O.C.
 Manufacturer : Datamax Electronics(DongGuan)Co.,Ltd.
 Model No. : RT-AC52U
 FCC ID. : MSQ-RTAC52U
 EUT Voltage : AC 100-240V, 50-60Hz
 Trade Name : ASUS
 Applicable Standard : FCC CFR Title 47 Part 15 Subpart C Section 15.247: 2012
 ANSI C63.4: 2009
 Test Result : Complied

The test results relate only to the samples tested.

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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
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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TABLE OF CONTENTS

Description	Page
1. General Information.....	6
1.1. EUT Description	6
1.2. Operational Description.....	11
1.3. Test Mode	12
1.4. Tested System Details	13
1.5. Configuration of tested System	14
1.6. EUT Exercise Software	14
1.7. Test Facility.....	15
2. Conducted Emission	16
2.1. Test Equipment.....	16
2.2. Test Setup	16
2.3. Limits	17
2.4. Test Procedure	17
2.5. Test Specification.....	17
2.6. Uncertainty	17
2.7. Test Result.....	18
2.8. Test Photo	22
3. Peak Power Output	23
3.1. Test Equipment.....	23
3.2. Test Setup	23
3.3. Test procedures.....	23
3.4. Limits	23
3.5. Test Specification.....	23
3.6. Uncertainty	23
3.7. Test Result.....	24
4. Radiated Emission	45
4.1. Test Equipment.....	45
4.2. Test Setup	45
4.3. Limits	46
4.4. Test Procedure	46
4.5. Test Specification.....	46
4.6. Uncertainty	46
4.7. Test Result.....	47
4.8. Test Photo	116

5.	RF antenna conducted test	118
5.1.	Test Equipment.....	118
5.2.	Test Setup	118
5.3.	Limits	119
5.4.	Test Procedure	119
5.5.	Test Specification.....	119
5.6.	Uncertainty	119
5.7.	Test Result.....	120
6.	Radiated Emission Band Edge.....	149
6.1.	Test Equipment.....	149
6.2.	Test Setup	149
6.3.	Limits	150
6.4.	Test Procedure	150
6.5.	Test Specification.....	150
6.6.	Uncertainty	150
6.7.	Test Result.....	151
7.	Margin : 6	183
8.	Occupied Bandwidth.....	211
8.1.	Test Equipment.....	211
8.2.	Test Setup	211
8.3.	Test Procedures	211
8.4.	Limits	211
8.5.	Test Specification.....	211
8.6.	Uncertainty	211
8.7.	Test Result.....	212
9.	Power Density	231
9.1.	Test Equipment.....	231
9.2.	Test Setup	231
9.3.	Limits	231
9.4.	Test Procedures	231
9.5.	Test Specification.....	231
9.6.	Uncertainty	231
9.7.	Test Result.....	232
Attachement.....		253
	EUT Photograph.....	253

1. General Information

1.1. EUT Description

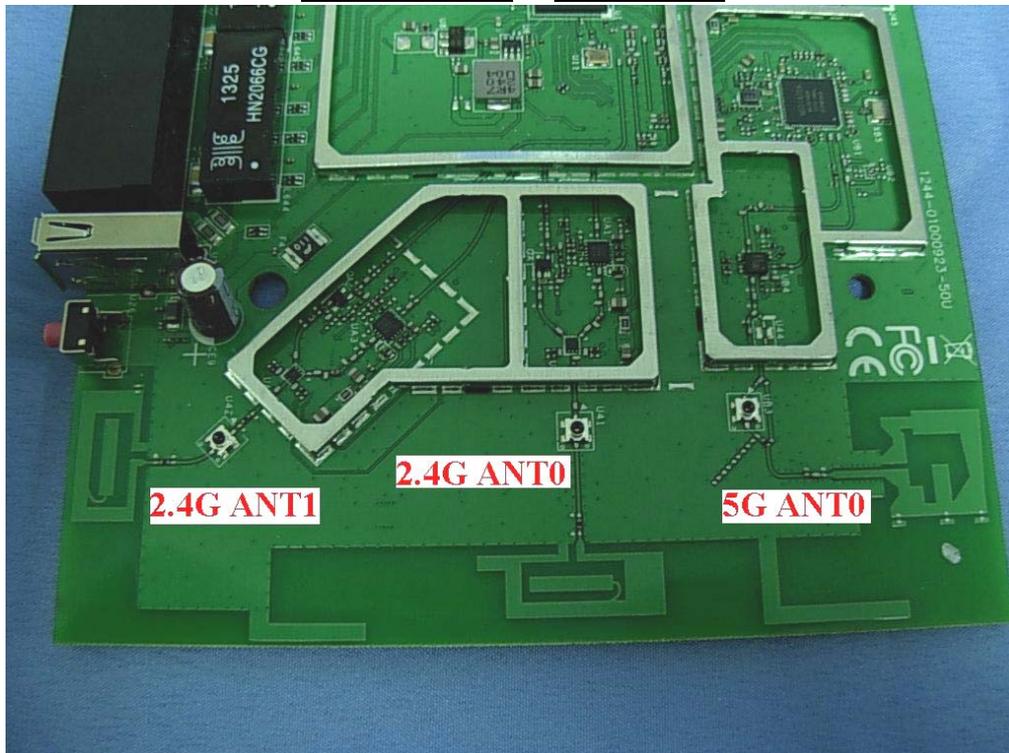
Product Name	802.11ac Dual Band Router	
Product Type	WLAN (2.4G:2TX, 2RX; 5G:1TX, 1RX)	
Trade Name	ASUS	
Model No.	RT-AC52U	
Frequency Range/ Channel Number	IEEE 802.11b/g/ IEEE 802.11n (20MHz)_2.4GHz	2412~2462MHz / 11 Channels
	IEEE 802.11n (40MHz)_2.4GHz	2422~2452MHz / 7 Channels
	IEEE 802.11a/ IEEE 802.11n (20MHz)_5.8GHz / IEEE 802.11ac (20MHz)	5745~5825MHz / 5 Channels
	IEEE 802.11n (40MHz)_5.8GHz / IEEE 802.11ac (40MHz)	5755~5795MHz / 2 Channels
	IEEE 802.11ac (80MHz)	5775~5775MHz / 1 Channel
	Type of Modulation	IEEE 802.11b
IEEE 802.11a/g/n/ac		Orthogonal Frequency Division Multiplexing
Data Speed	IEEE 802.11b	1, 2, 5.5, 11Mbps
	IEEE 802.11a/g	6, 9, 18, 24, 36, 48,54Mbps
	IEEE 802.11n	Support a subset of the combination of GI, MCS 0~MCS 15 and bandwidth defined in 802.11n
	IEEE 802.11ac	Support a subset of the combination of GI, MCS 0~MCS 9 and bandwidth defined in 802.11ac
Antenna Gain	2.4G: Ant0: 3.97 dBi, Ant1: 4.68 dBi 5G: Ant0: 3.47 dBi	
Antenna Type	PCL Antenna	

Component	
RJ 45 Cable	Non-Shielded, 1m
Power Adapter	DVE · DSA-12PFA-09 FUS 120100 I/P: 100-240V, 50-60Hz 0.5A O/P: +12V \equiv 1A Cable In: Non-Shielded, 1.6m

ANT-TX / RX & Bandwidth

ANT-TX / RX	TX			RX		
	20MHz	40MHz	80MHz	20MHz	40MHz	80MHz
IEEE802.11a	✓			✓		
IEEE802.11b	✓			✓		
IEEE802.11g	✓			✓		
IEEE802.11n	✓	✓		✓	✓	
IEEE802.11ac	✓	✓	✓	✓	✓	✓

2.4G(2TX /2RX) , 5G(1TX /1RX)



IEEE 802.11n

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

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

Table 1 – MCS parameters for TX Antenna number = 1

MCS Index	Modulation	R	N _{BPSCS}	N _{CBPS}		N _{DBPS}		Data Rate(Mb/s)			
				20MHz	40MHz	20MHz	40MHz	800ns GI		400ns GI	
								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

Table 3 – MCS parameters

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
151	5755 MHz	159	5795 MHz

IEEE 802.11ac (80MHz) - 5.8GHz

Working Frequency of Each Channel	
Channel	Frequency
155	5775 MHz

Note:

1. This device is a 802.11ac Dual Band Router including 2.4GHz b/g/n (2x2) and 5GHz a/n (1x1) 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: 139449R-RFUSP45V01.
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 139449R-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
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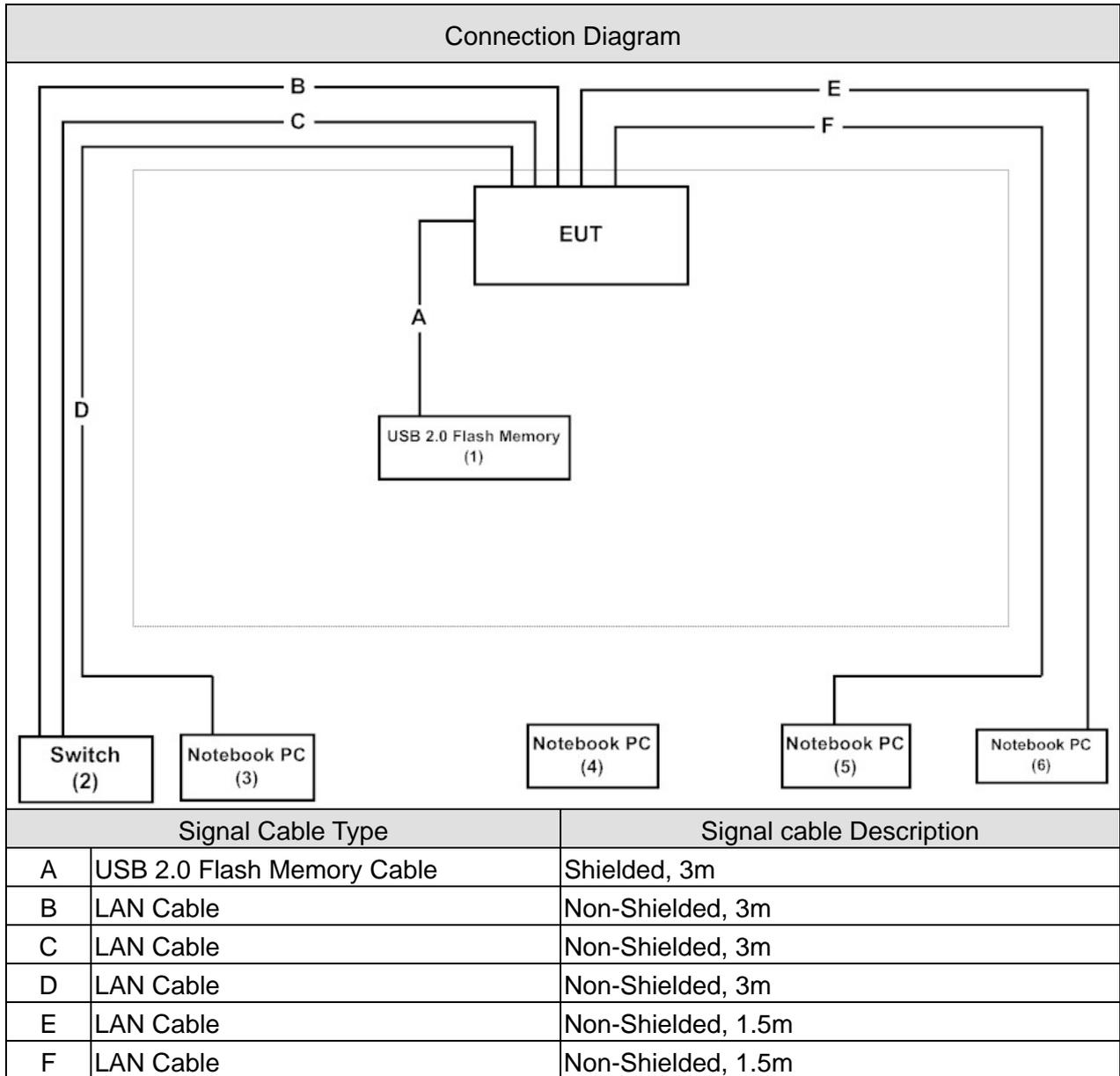
Test Items	Modulation	Channel	Antenna	Result
Conducted Emission	11n(40MHz)	6	0+1	Complies
	11ac(80MHz)	155	0	Complies
Peak Power Output	a	149/ 157/ 165	0	Complies
	b/g	1/ 6/ 11	0	Complies
	11n(20MHz)	1/ 6/ 11/ 149/ 157/ 165	0+1	Complies
	11n(40MHz)	3/ 6/ 9/ 151/ 159	0	Complies
	11ac(80MHz)	155	0	Complies
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(80MHz)	155	0	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(80MHz)	155	0	Complies
Radiated Emission Band Edge	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(80MHz)	155	0	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(80MHz)	155	0	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(80MHz)	155	0	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 USB 2.0 Flash Memory	Apacer	AH223	N/A	DoC	--
2 Switch	D-Link	DGS1216T	F360298000076	DoC	Non-Shielded, 1.8m
3 Notebook PC	HP	HSTNN-146C	CNU8253S1X	DoC	Non-Shielded, 1.8m
4 Notebook PC	ACER	MS2296	LUSCV02139115 0332C2000	DoC	Non-Shielded, 2.5m one ferrite core bonded
5 Notebook PC	DELL	Vostro3400	7F808N1	DoC	Non-Shielded, 1.8m
6 Notebook PC	HP Compaq	NX6320FF	CNU7020BXT	DoC	Non-Shielded, 1.8m

1.5. Configuration of tested System



1.6. EUT Exercise Software

1	Setup the EUT as shown in Section 1.5.
2	Execute the test program "MT76200QA" for 2.4G function and "RT5x9xQA" for 5G function 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	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	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	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	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	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	15 - 35	20
Humidity (%RH)		25 - 75	50
Barometric pressure (mbar)		860 - 1060	950-1000

2. Conducted Emission

2.1. Test Equipment

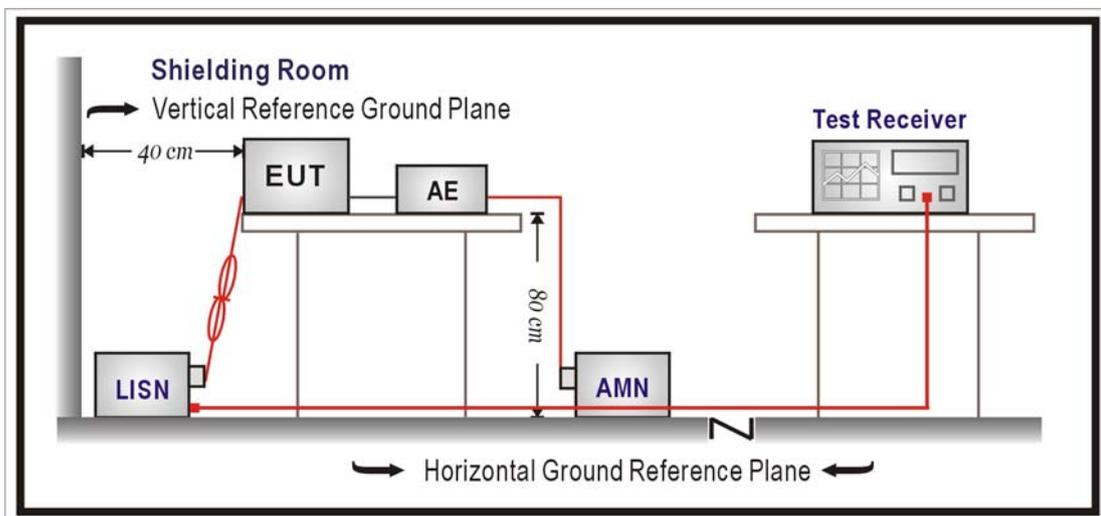
The following test equipments are used during the test:

Conducted Emission / SR3

Instrument	Manufacturer	Model No.	Serial No	Next Cal. Date
LISN	R&S	ENV216	100096	2014/08/01
LISN	R&S	ESH3-Z5	836679/022	2014/01/20
Test Receiver	R&S	ESCS 30	825442/017	2014/01/01

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 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

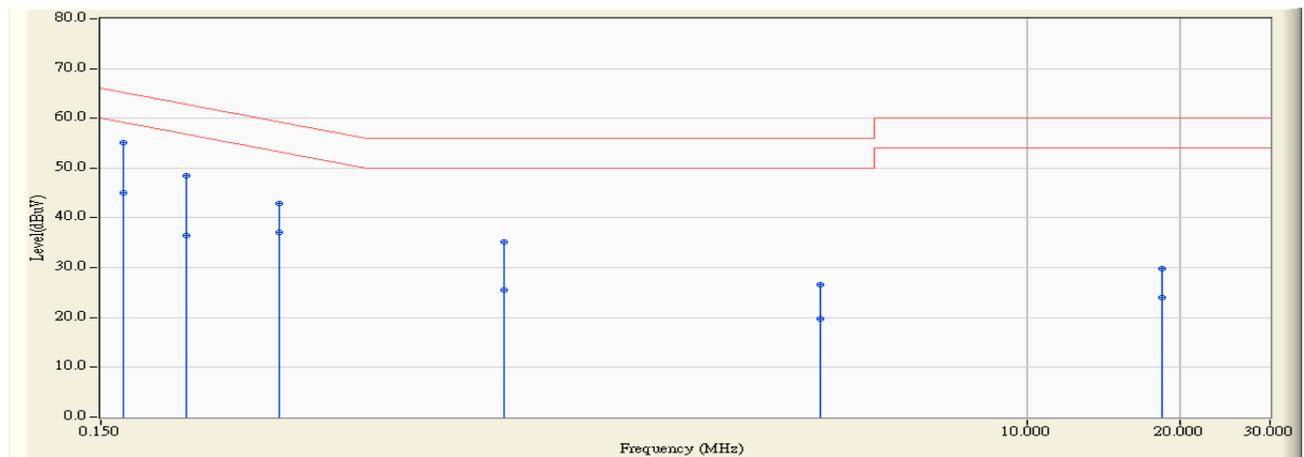
According to FCC Part 15 Subpart C Paragraph 15.207: 2012

2.6. Uncertainty

The measurement uncertainty is defined as ± 2.26 dB.

2.7. Test Result

Site : SR3	Time : 2013/10/28 - 18:37
Limit : CISPR_B_00M_QP	Margin : 6
Probe : SR3_LISN(16A)-3_0813 - Line1	Power : AC120V/60Hz
EUT : 802.11ac Dual Band Router	Note : 802.11n40MHz_2437MHz

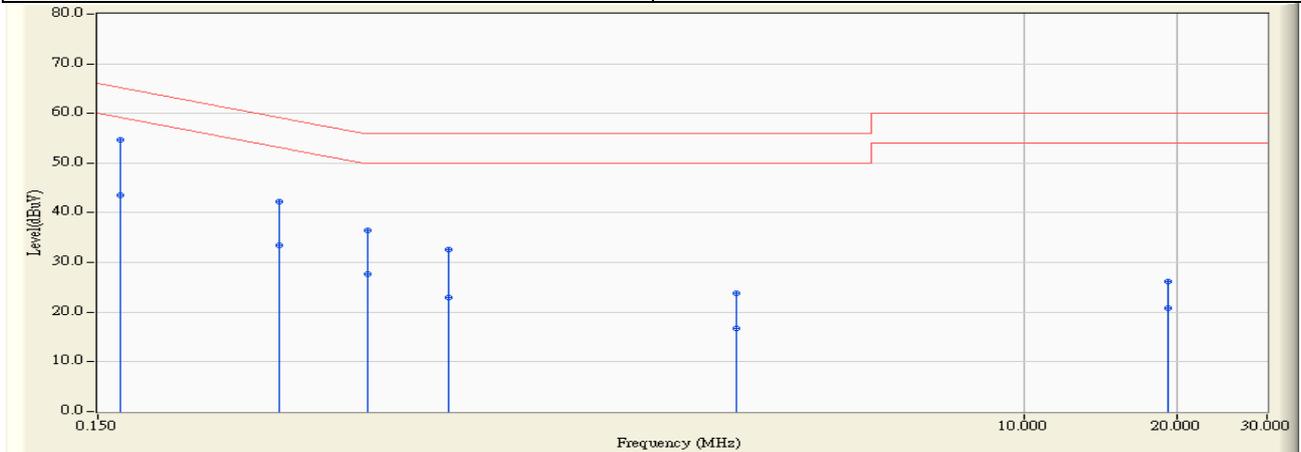


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1	0.166	9.642	45.390	55.032	-10.145	65.177	QUASPEAK
2	* 0.166	9.642	35.500	45.142	-10.035	55.177	AVERAGE
3	0.220	9.671	38.720	48.391	-14.416	62.807	QUASPEAK
4	0.220	9.671	26.820	36.491	-16.316	52.807	AVERAGE
5	0.338	9.739	33.230	42.969	-16.295	59.265	QUASPEAK
6	0.338	9.739	27.460	37.199	-12.065	49.265	AVERAGE
7	0.935	9.929	25.230	35.159	-20.841	56.000	QUASPEAK
8	0.935	9.929	15.500	25.429	-20.571	46.000	AVERAGE
9	3.904	10.070	16.580	26.650	-29.350	56.000	QUASPEAK
10	3.904	10.070	9.690	19.760	-26.240	46.000	AVERAGE
11	18.365	10.130	19.600	29.730	-30.270	60.000	QUASPEAK
12	18.365	10.130	13.820	23.950	-26.050	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 : 2013/10/28 - 18:40
Limit : CISPR_B_00M_QP	Margin : 6
Probe : SR3_LISN(16A)-3_0813 - Line2	Power : AC120V/60HzAC120V/60Hz
EUT : 802.11ac Dual Band Router	Note : 802.11n40MHz_2437MHz

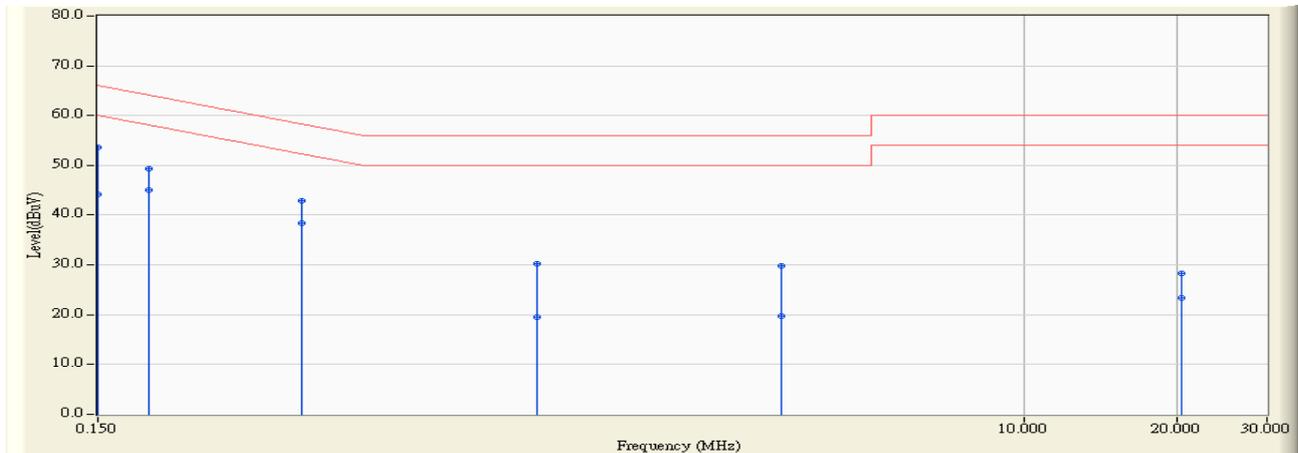


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1	*	0.166	9.642	45.070	54.712	-10.465	65.177	QUASPEAK
2		0.166	9.642	33.860	43.502	-11.675	55.177	AVERAGE
3		0.341	9.732	32.420	42.152	-17.017	59.169	QUASPEAK
4		0.341	9.732	23.710	33.442	-15.727	49.169	AVERAGE
5		0.509	9.817	26.600	36.417	-19.583	56.000	QUASPEAK
6		0.509	9.817	17.840	27.657	-18.343	46.000	AVERAGE
7		0.736	9.880	22.710	32.590	-23.410	56.000	QUASPEAK
8		0.736	9.880	13.020	22.900	-23.100	46.000	AVERAGE
9		2.716	9.970	13.870	23.840	-32.160	56.000	QUASPEAK
10		2.716	9.970	6.820	16.790	-29.210	46.000	AVERAGE
11		19.158	10.290	15.820	26.110	-33.890	60.000	QUASPEAK
12		19.158	10.290	10.620	20.910	-29.090	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 : 2013/10/28 - 18:50
Limit : CISPR_B_00M_QP	Margin : 6
Probe : SR3_LISN(16A)-3_0813 - Line1	Power : AC120V/60Hz
EUT : 802.11ac Dual Band Router	Note : 802.11ac80MHz_5775MHz

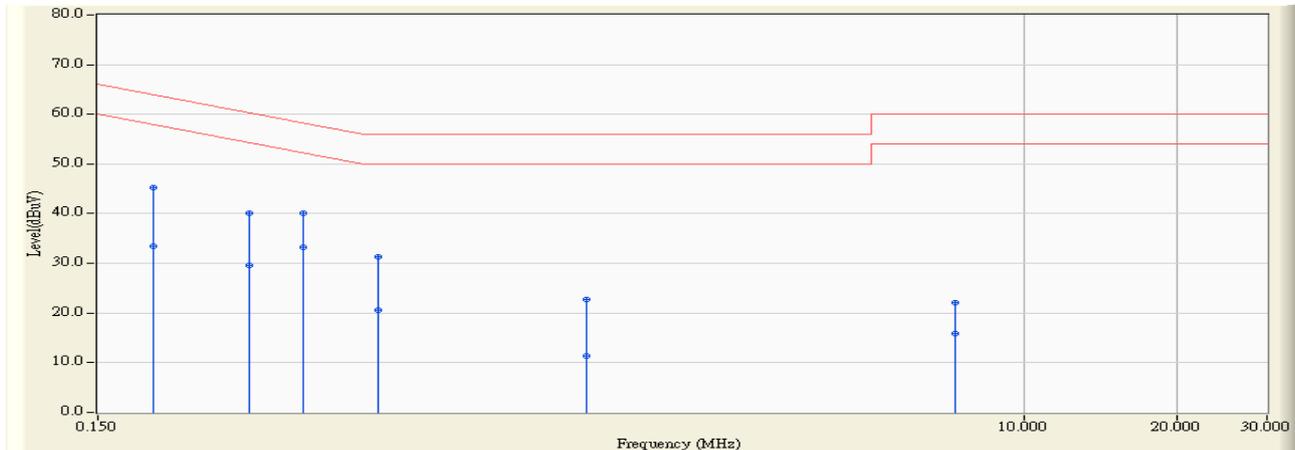


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1	0.150	9.640	43.960	53.600	-12.400	66.000	QUASPEAK
2	0.150	9.640	34.580	44.220	-11.780	56.000	AVERAGE
3	0.189	9.650	39.640	49.290	-14.788	64.078	QUASPEAK
4	*	9.650	35.310	44.960	-9.118	54.078	AVERAGE
5	0.377	9.763	33.090	42.853	-15.502	58.355	QUASPEAK
6	0.377	9.763	28.690	38.453	-9.902	48.355	AVERAGE
7	1.095	9.940	20.270	30.210	-25.790	56.000	QUASPEAK
8	1.095	9.940	9.610	19.550	-26.450	46.000	AVERAGE
9	3.330	10.030	19.790	29.820	-26.180	56.000	QUASPEAK
10	3.330	10.030	9.620	19.650	-26.350	46.000	AVERAGE
11	20.380	10.130	18.250	28.380	-31.620	60.000	QUASPEAK
12	20.380	10.130	13.160	23.290	-26.710	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 : 2013/10/28 - 18:51
Limit : CISPR_B_00M_QP	Margin : 6
Probe : SR3_LISN(16A)-3_0813 - Line2	Power : AC120V/60Hz
EUT : 802.11ac Dual Band Router	Note : 802.11ac80MHz_5775MHz



	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1	0.193	9.653	35.630	45.283	-18.625	63.908	QUASPEAK
2	0.193	9.653	23.710	33.363	-20.545	53.908	AVERAGE
3	0.298	9.707	30.450	40.157	-20.129	60.286	QUASPEAK
4	0.298	9.707	19.920	29.627	-20.659	50.286	AVERAGE
5	0.380	9.754	30.260	40.014	-18.255	58.269	QUASPEAK
6	*	9.754	23.510	33.264	-15.005	48.269	AVERAGE
7	0.533	9.825	21.590	31.415	-24.585	56.000	QUASPEAK
8	0.533	9.825	10.790	20.615	-25.385	46.000	AVERAGE
9	1.373	9.930	12.810	22.740	-33.260	56.000	QUASPEAK
10	1.373	9.930	1.410	11.340	-34.660	46.000	AVERAGE
11	7.287	10.110	11.910	22.020	-37.980	60.000	QUASPEAK
12	7.287	10.110	5.720	15.830	-34.170	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

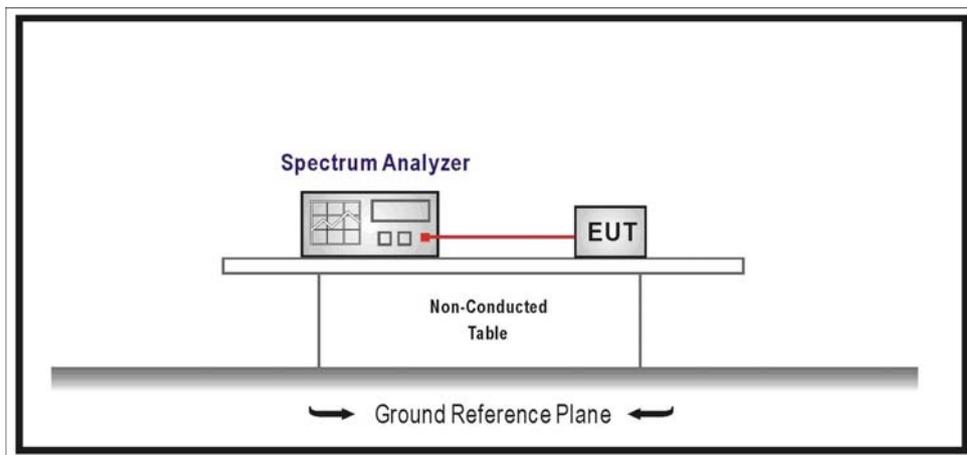
The following test equipments are used during the test:

Peak Power / SR7

Instrument	Manufacturer	Model No.	Serial No	Next Cal. Date
Spectrum Analyzer	Agilent	N9010A-EXA	US47140172	2014/08/05

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 KDB558074 measurement 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: 2012

3.6. Uncertainty

The measurement uncertainty is defined as ± 1.27 dB.

3.7. Test Result

Product	802.11ac Dual Band Router		
Test Item	Peak Power Output		
Test Mode	Mode 1: Transmit		
Date of Test	2013/09/06	Test Site	SR7

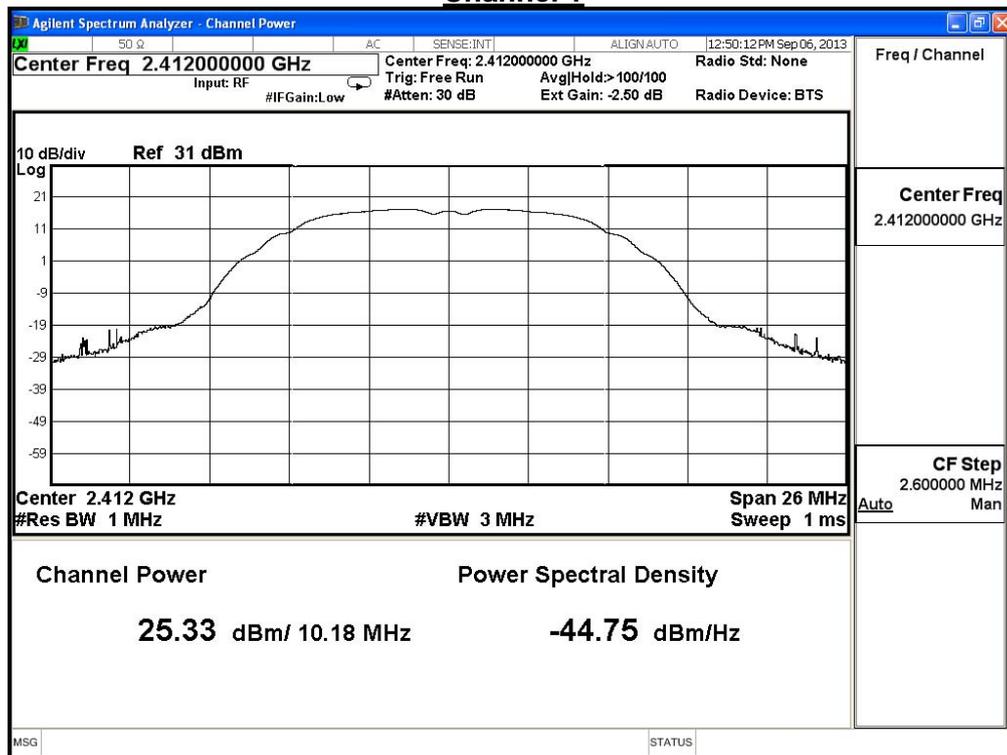
IEEE 802.11b				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
1	2412	25.33	≤ 30	Pass
6	2437	27.98	≤ 30	Pass
11	2462	25.70	≤ 30	Pass

The worst emission of data rate is 1Mbps.

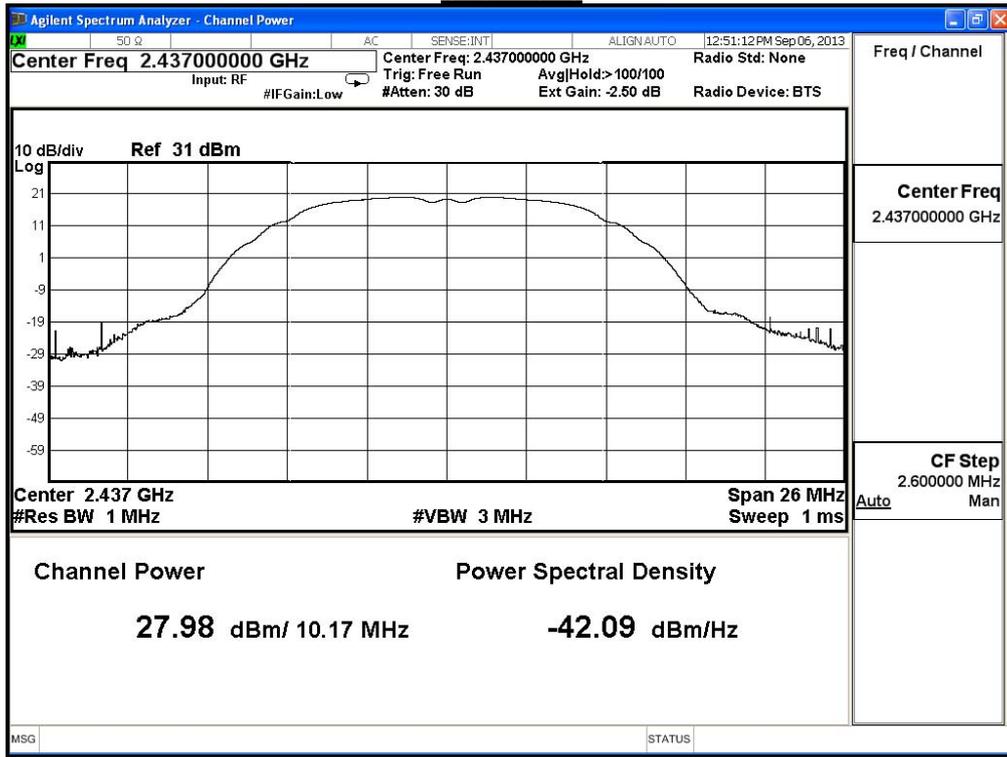
Peak Power Output (dBm)						
Channel No	Frequency (MHz)	Data Rate				Required Limit
		1	2	5.5	11	
1	2412	25.33	--	--	--	1 Watt=30dBm
6	2437	27.98	27.97	27.96	27.95	1 Watt=30dBm
11	2462	25.70	--	--	--	1 Watt=30dBm

Note: Measure Level =Reading value + cable loss

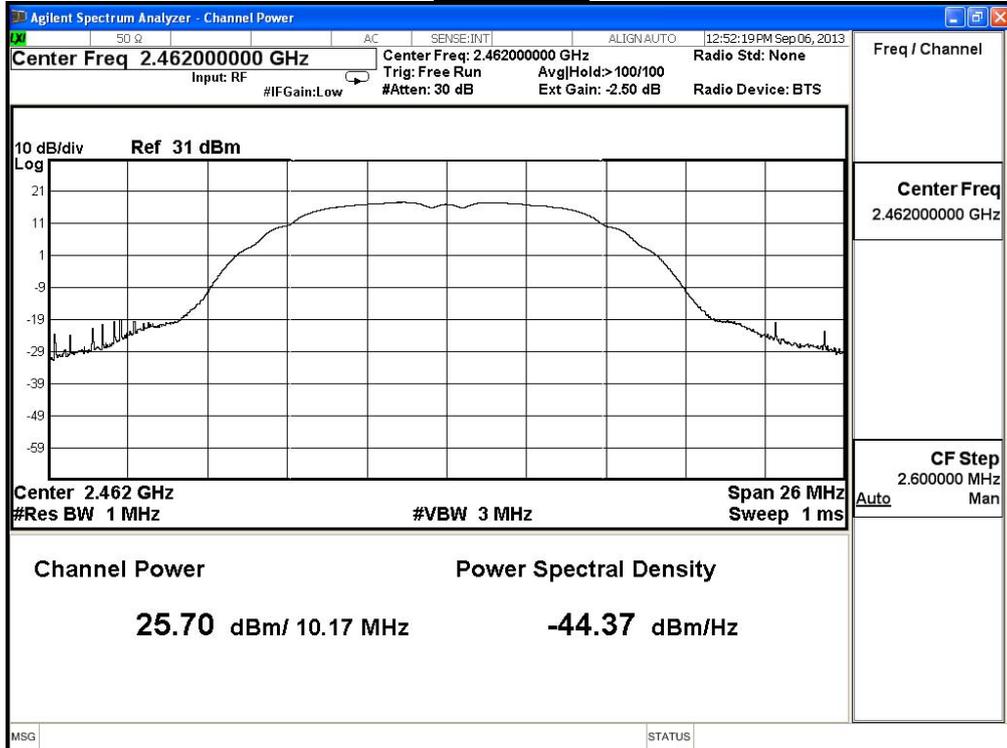
Channel 1



Channel 6



Channel 11



Product	802.11ac Dual Band Router		
Test Item	Peak Power Output		
Test Mode	Mode 1: Transmit		
Date of Test	2013/09/06	Test Site	SR7

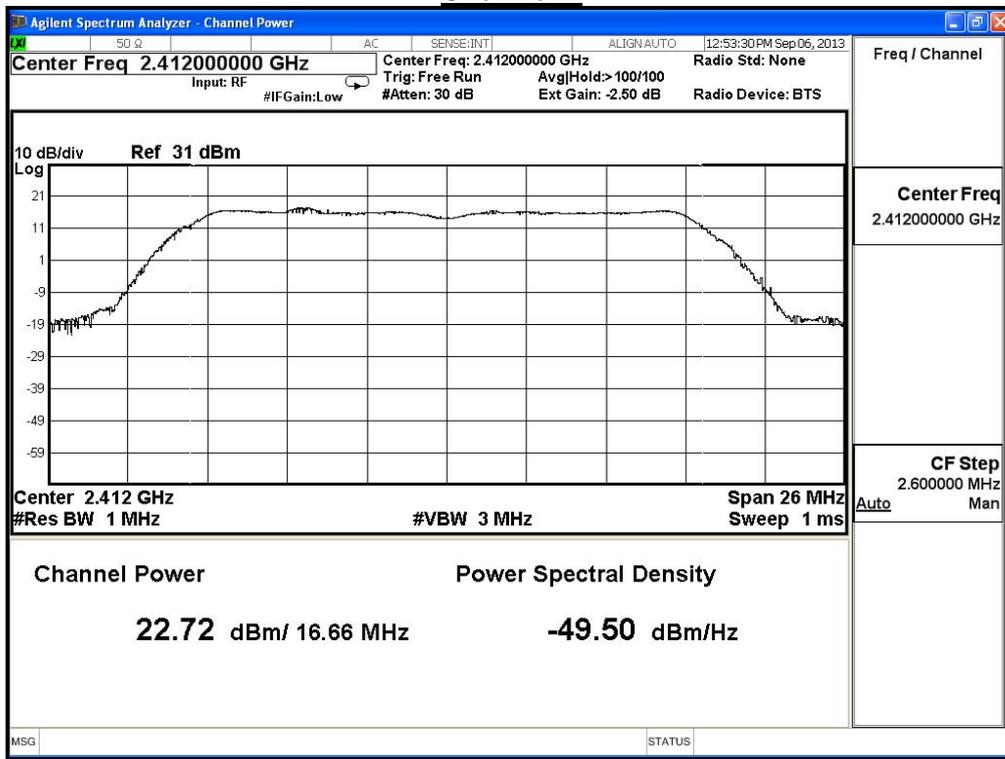
IEEE 802.11g				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
1	2412	22.72	≤ 30	Pass
6	2437	27.18	≤ 30	Pass
11	2462	22.08	≤ 30	Pass

The worst emission of data rate is 6Mbps.

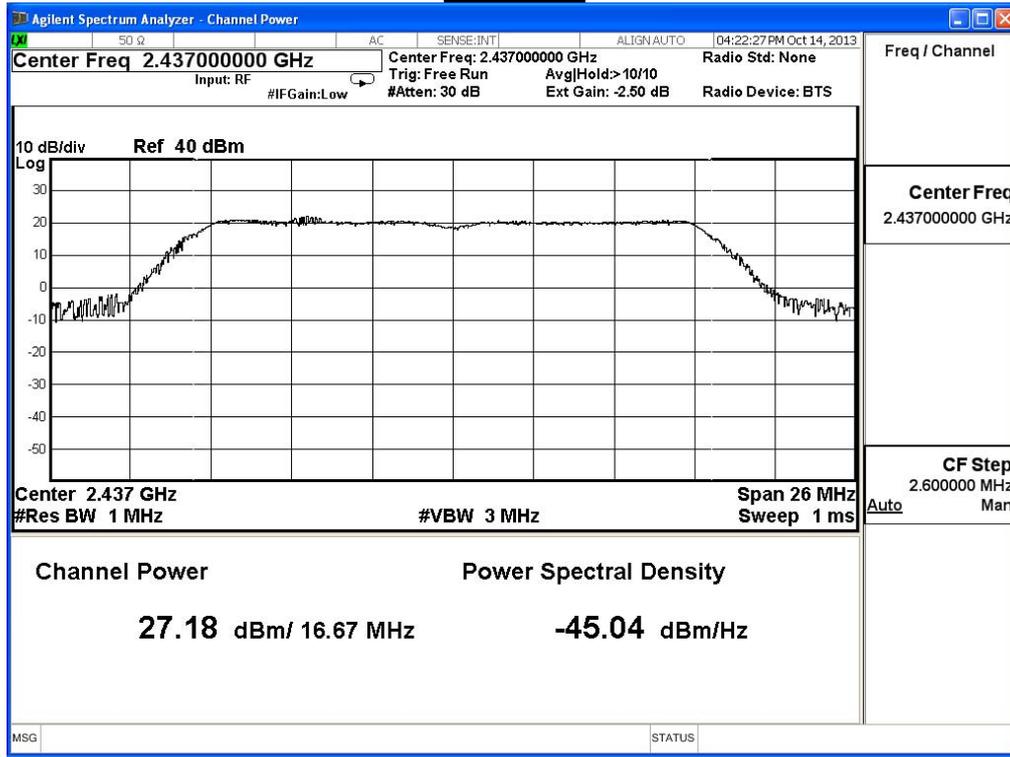
Peak Power Output (dBm)									
Channel No	Frequency (MHz)	Data Rate							Required Limit
		6	12	18	24	36	48	54	
1	2412	22.72	--	--	--	--	--	--	1 Watt=30dBm
6	2437	27.18	27.16	27.14	27.13	27.12	27.11	27.10	1 Watt=30dBm
11	2462	22.08	--	--	--	--	--	--	1 Watt=30dBm

Note: Measure Level =Reading value + cable loss

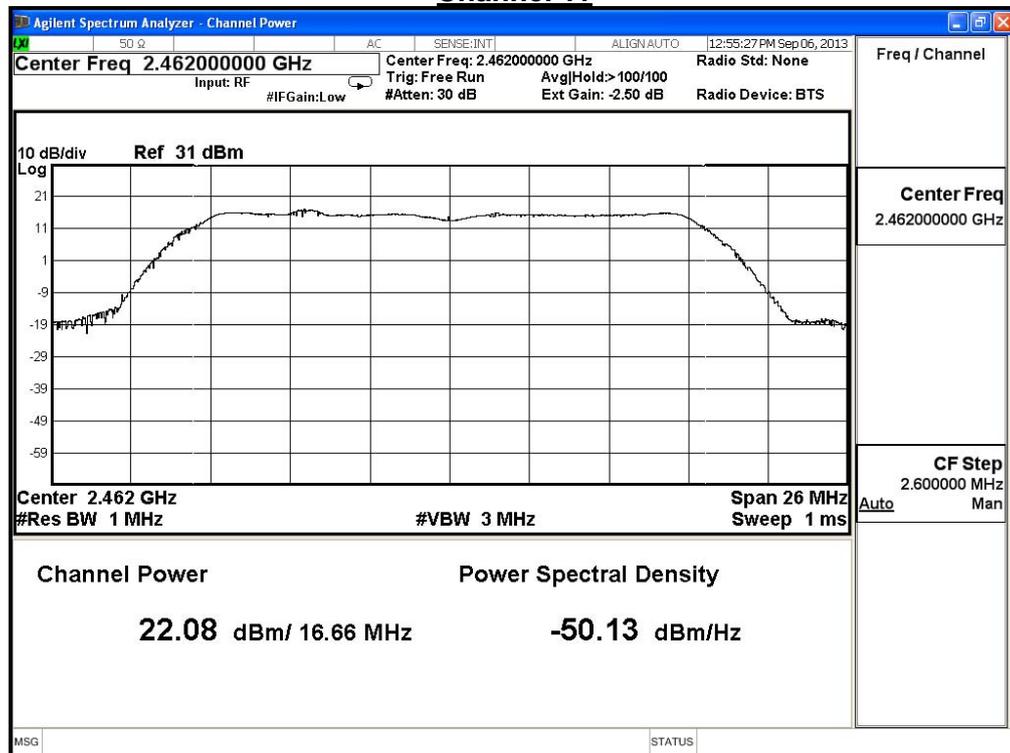
Channel 1



Channel 6



Channel 11



Product	802.11ac Dual Band Router		
Test Item	Peak Power Output		
Test Mode	Mode 1: Transmit		
Date of Test	2013/09/06	Test Site	SR7

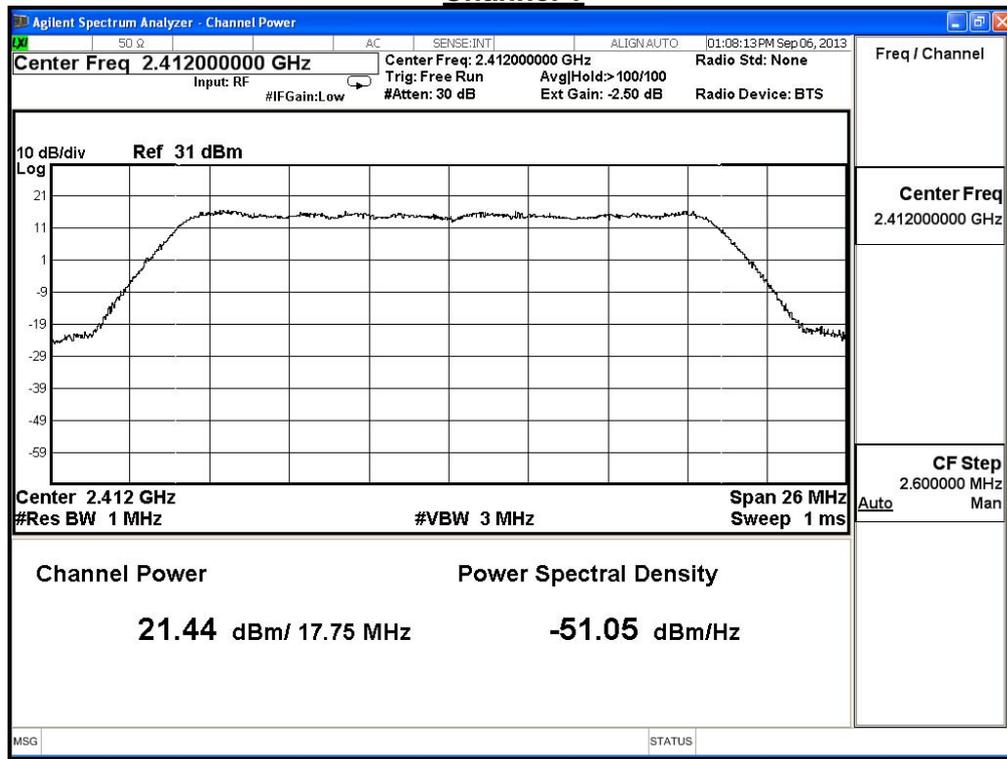
IEEE 802.11n 20MHz (ANT 0)

Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
1	2412	21.44	≤ 30	Pass
6	2437	23.93	≤ 30	Pass
11	2462	21.97	≤ 30	Pass

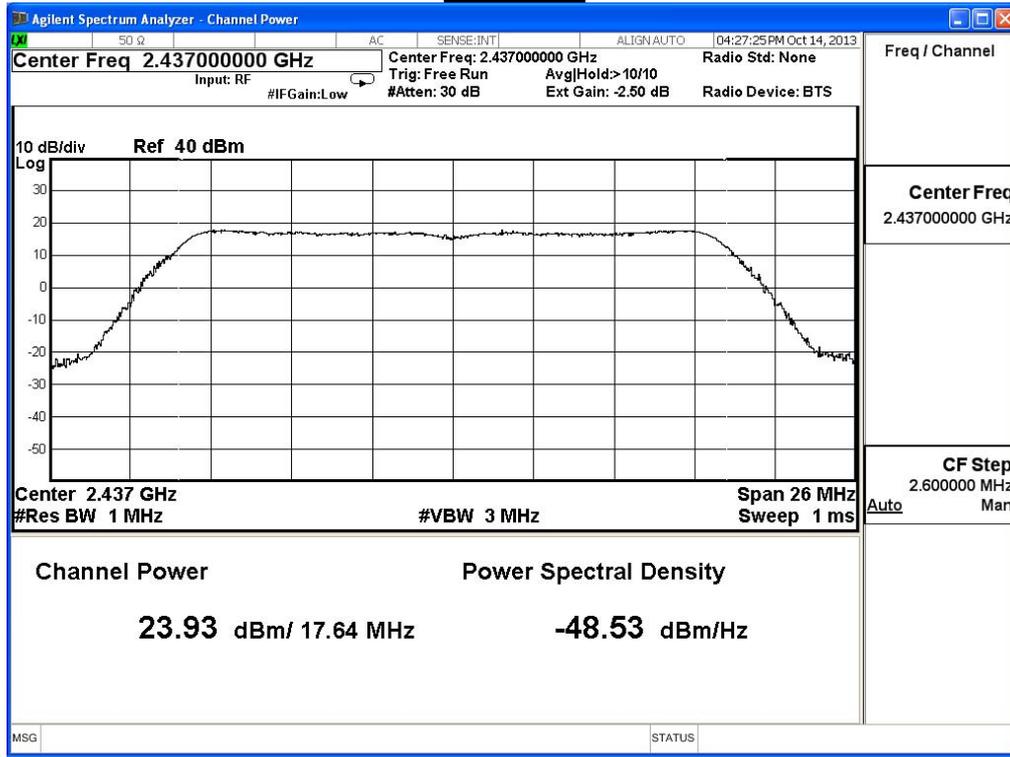
The worst emission of data rate is 19.5 Mbps.

Peak Power Output (dBm)										
MCS Index		8	9	10	11	12	13	14	15	Required Limit
Channel No	Frequency (MHz)	Data Rate								
		19.5	39	58.5	78	117	156	175.5	195	
1	2412	21.44	--	--	--	--	--	--	--	1Watt=30dBm
6	2437	23.93	23.91	23.89	23.87	23.85	23.84	23.83	23.82	1Watt=30dBm
11	2462	21.97	--	--	--	--	--	--	--	1Watt=30dBm

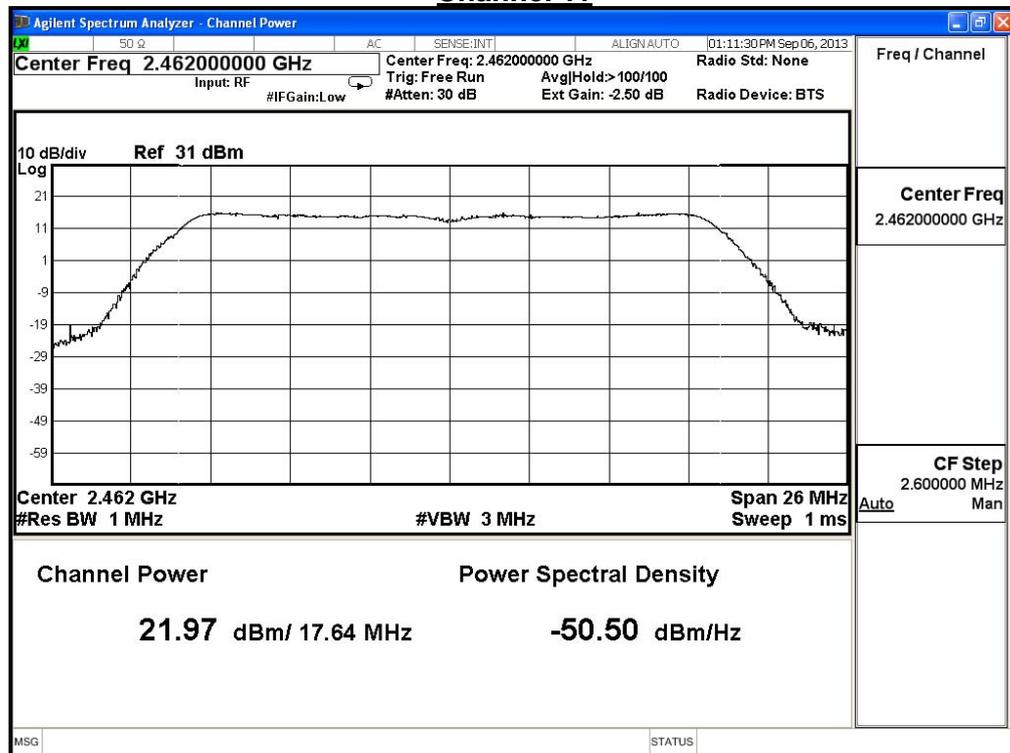
Channel 1



Channel 6



Channel 11



Product	802.11ac Dual Band Router		
Test Item	Peak Power Output		
Test Mode	Mode 1: Transmit		
Date of Test	2013/09/06	Test Site	SR7

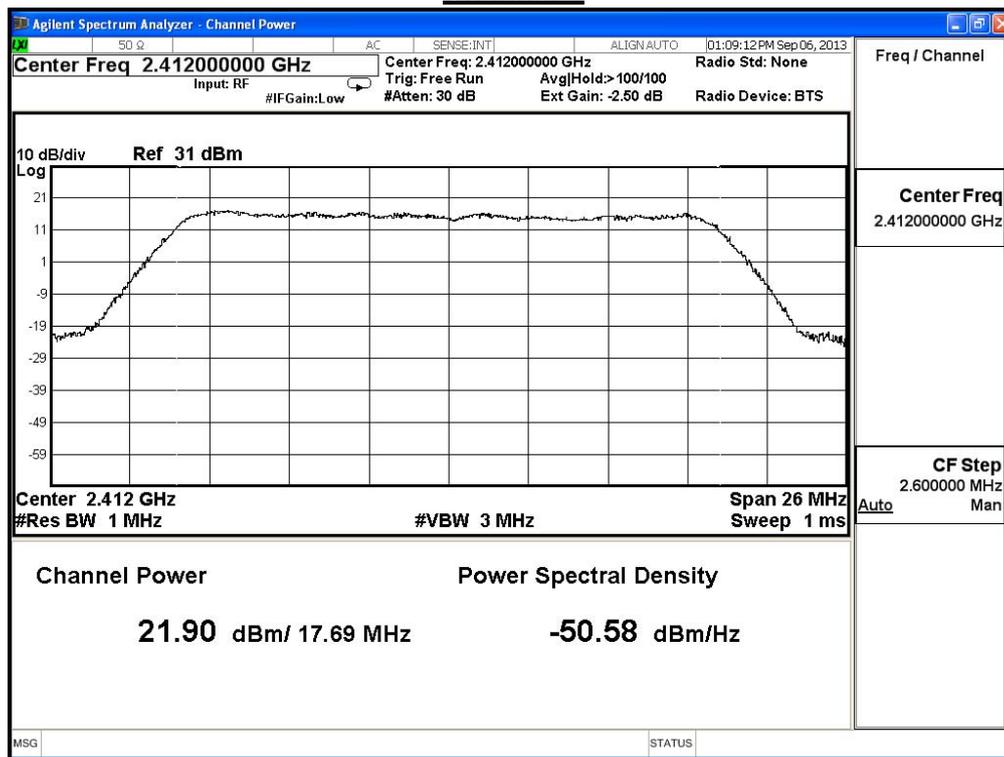
IEEE 802.11n 20MHz (ANT 1)

Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
1	2412	21.90	≤ 30	Pass
6	2437	24.36	≤ 30	Pass
11	2462	22.02	≤ 30	Pass

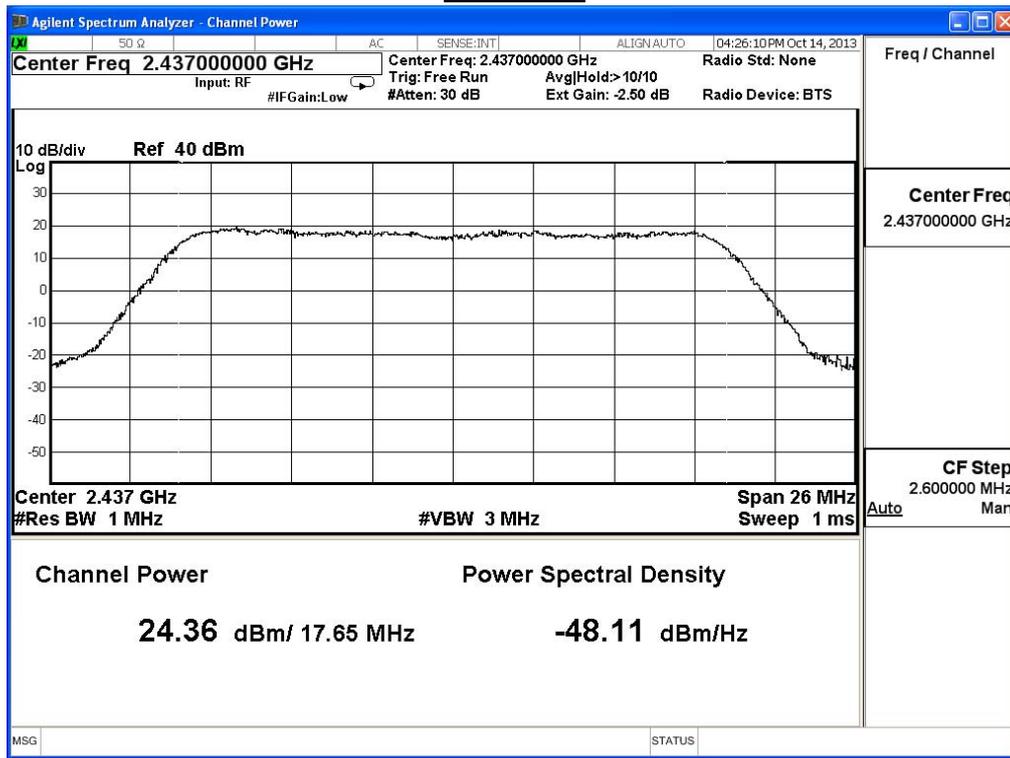
The worst emission of data rate is 19.5 Mbps.

Peak Power Output (dBm)										
MCS Index		16	17	18	19	20	21	22	23	Required Limit
Channel No	Frequency (MHz)	Data Rate								
		19.5	39	58.5	78	117	156	175.5	195	
1	2412	21.90	--	--	-	--	--	-	--	30dBm
6	2437	24.36	24.35	24.33	24.32	24.31	24.30	24.29	24.27	30dBm
11	2462	22.02	--	--	-	--	--	-	--	30dBm

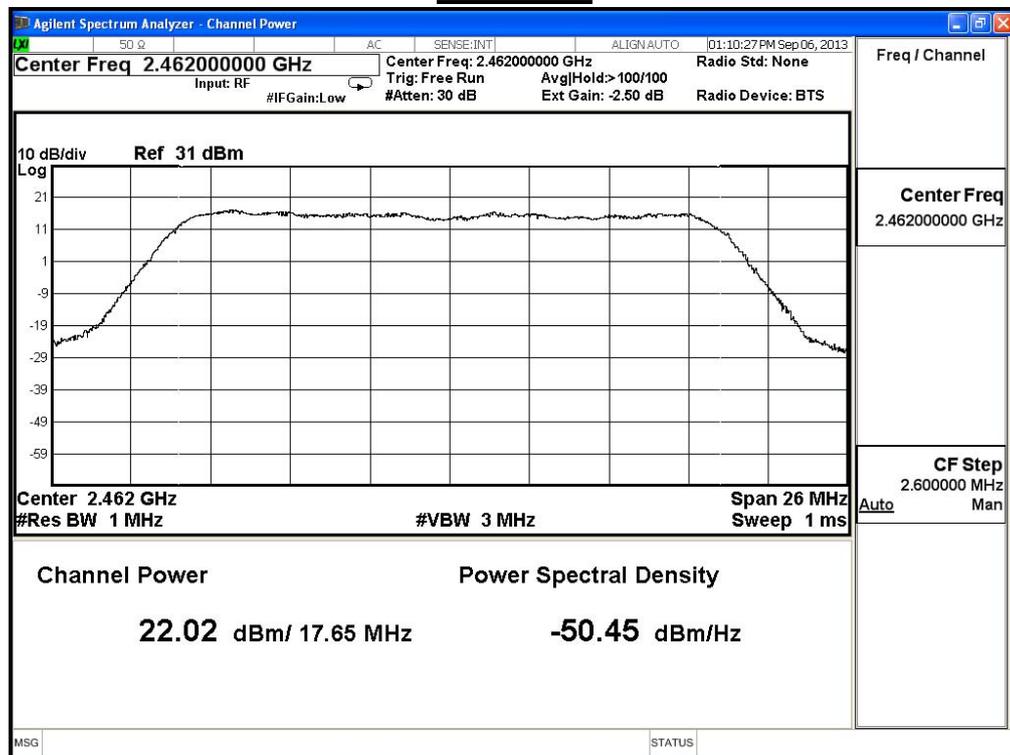
Channel 1



Channel 6



Channel 11



Product	802.11ac Dual Band Router		
Test Item	Peak Power Output		
Test Mode	Mode 1: Transmit		
Date of Test	2013/09/06	Test Site	SR7

IEEE 802.11n 20MHz (ANT 0+1)

Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
1	2412	24.69	≤ 30	Pass
6	2437	27.16	≤ 30	Pass
11	2462	25.01	≤ 30	Pass

The worst emission of data rate is 19.5 Mbps.

Peak Power Output (dBm)										
MCS Index		8	9	10	11	12	13	14	15	Required Limit
Channel No	Frequency (MHz)	Data Rate								
		19.5	39	58.5	78	117	156	175.5	195	
1	2412	24.69	--	--	--	--	--	--	--	1Watt=30dBm
6	2437	27.16	27.15	27.14	27.13	27.11	27.09	27.04	27.01	1Watt=30dBm
11	2462	25.01	--	--	--	--	--	--	--	1Watt=30dBm

Product	802.11ac Dual Band Router		
Test Item	Peak Power Output		
Test Mode	Mode 1: Transmit		
Date of Test	2013/09/06	Test Site	SR7

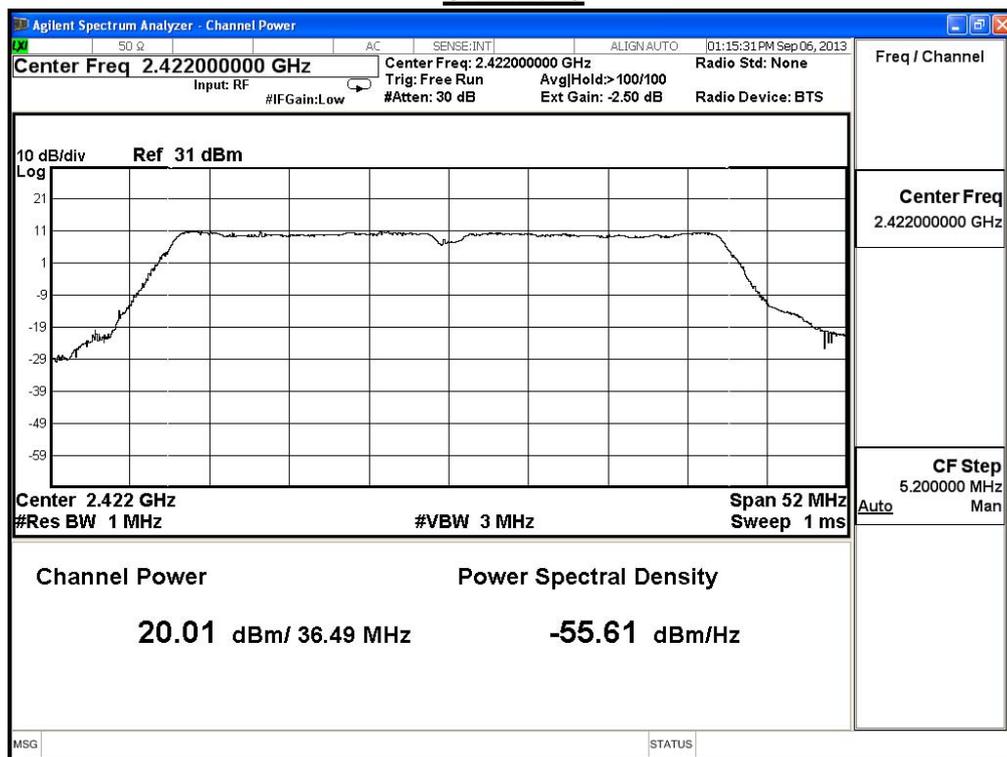
IEEE802.11n 40MHz (ANT 0)

Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
3	2422	20.01	≤ 30	Pass
6	2437	26.50	≤ 30	Pass
9	2452	19.19	≤ 30	Pass

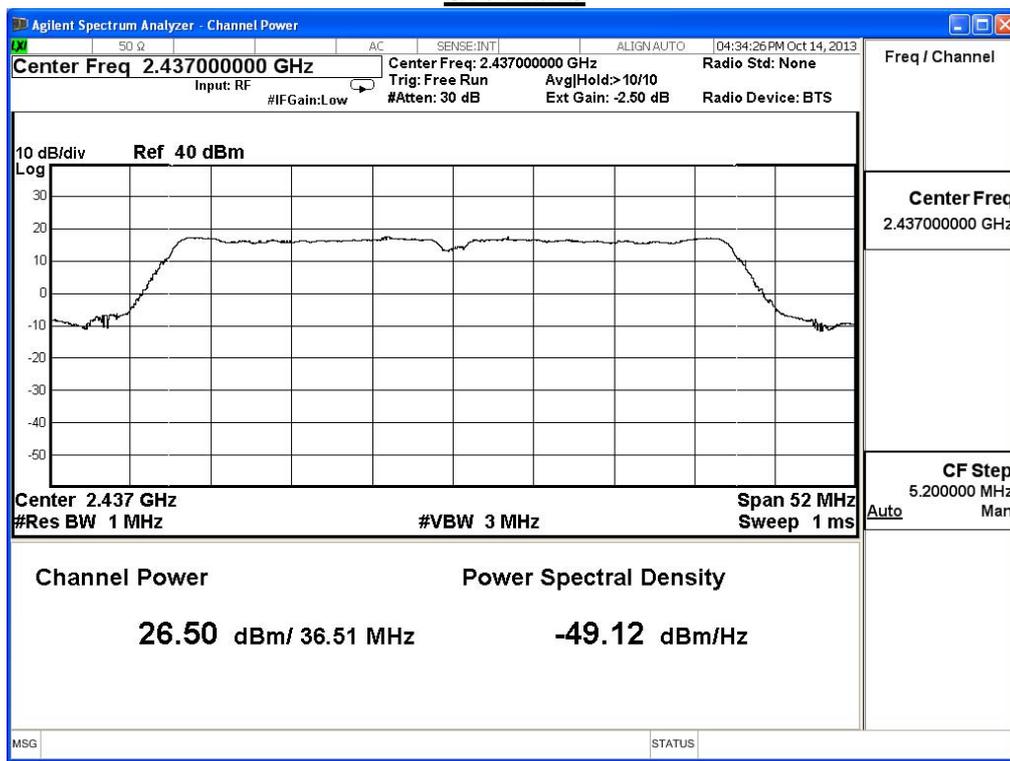
The worst emission of data rate is 40.5Mbps

Peak Power Output (dBm)										
MCS Index	8	9	10	11	12	13	14	15	Required Limit	
Channel No	Frequency (MHz)	Data Rate								Required Limit
		40.5	81.0	121.5	162.0	243.0	324.0	364.5	405.0	
3	2422	20.01	--	--	--	--	--	--	--	1Watt=30dBm
6	2437	26.50	26.49	26.47	26.44	26.42	26.41	26.40	26.38	1Watt=30dBm
9	2452	19.19	--	--	--	--	--	--	--	1Watt=30dBm

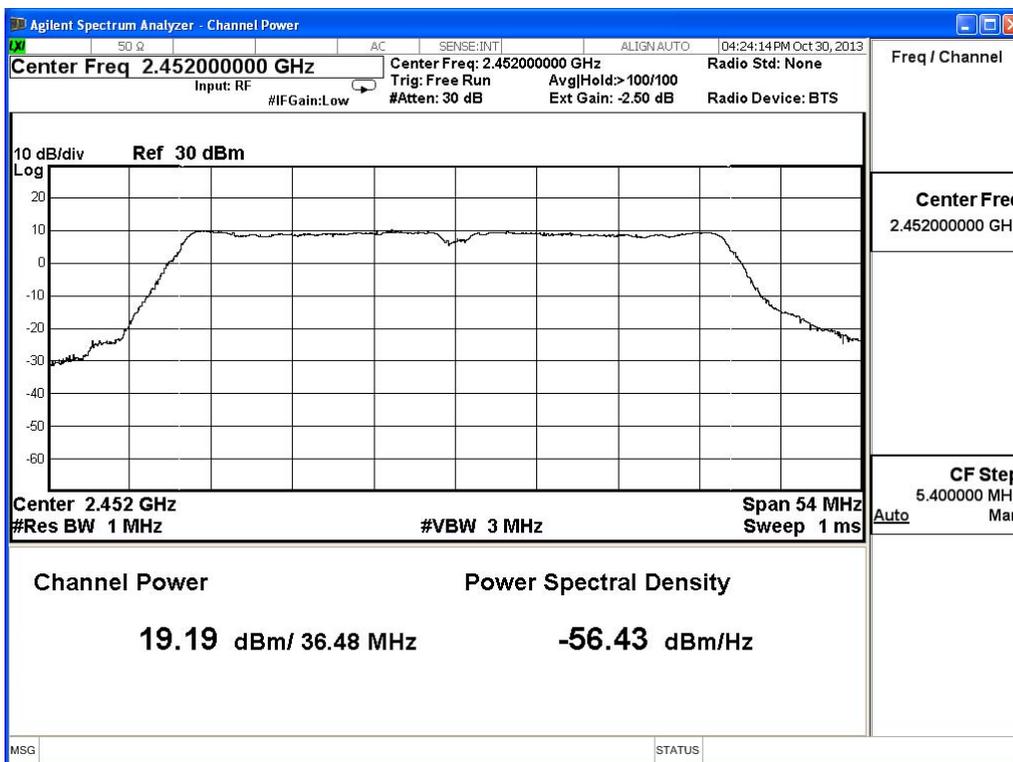
Channel 3



Channel 6



Channel 9



Product	802.11ac Dual Band Router		
Test Item	Peak Power Output		
Test Mode	Mode 1: Transmit		
Date of Test	2013/09/06	Test Site	SR7

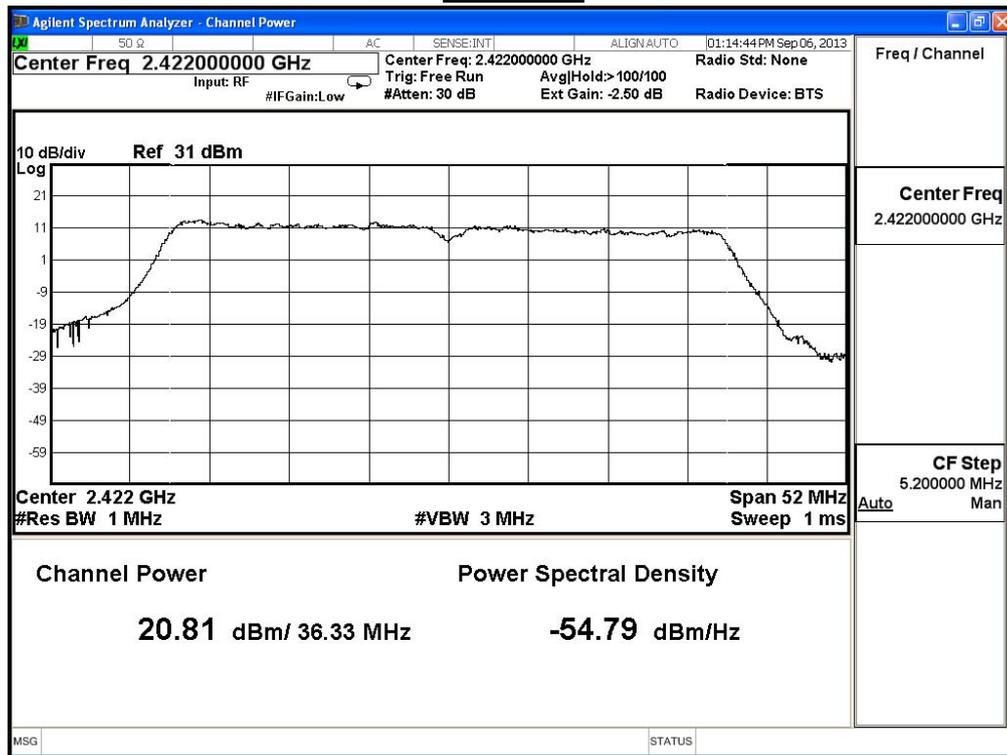
IEEE802.11n 40MHz (ANT 1)

Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
3	2422	20.81	≤ 30	Pass
6	2437	26.17	≤ 30	Pass
9	2452	19.35	≤ 30	Pass

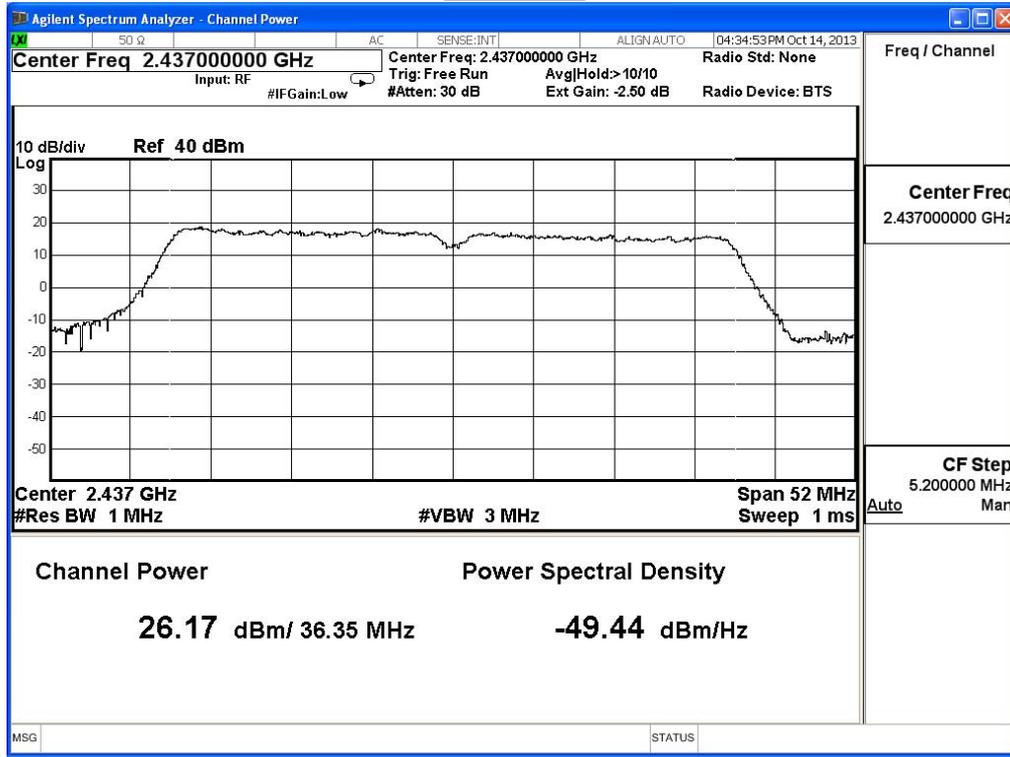
The worst emission of data rate is 40.5Mbps

Peak Power Output (dBm)										
MCS Index	8	9	10	11	12	13	14	15	Required Limit	
Channel No	Frequency (MHz)	Data Rate								Required Limit
		40.5	81.0	121.5	162.0	243.0	324.0	364.5	405.0	
3	2422	20.81	--	--	--	--	--	--	--	1Watt=30dBm
6	2437	26.17	26.16	26.15	26.14	26.13	26.12	26.10	26.09	1Watt=30dBm
9	2452	19.35	--	--	--	--	--	--	--	1Watt=30dBm

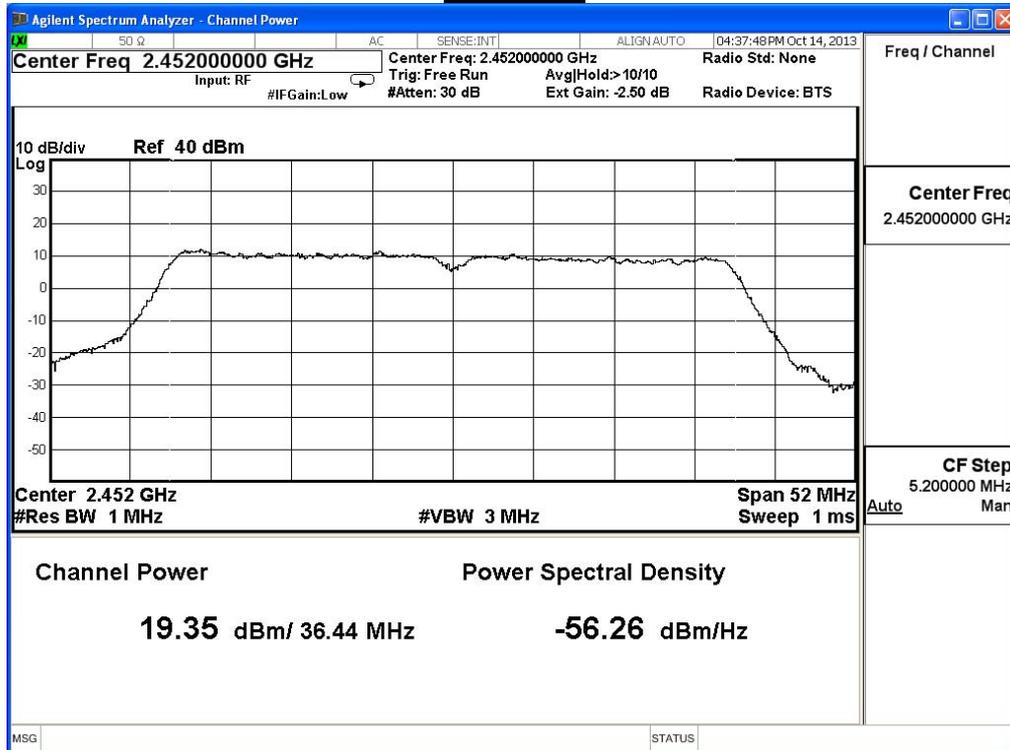
Channel 3



Channel 6



Channel 9



Product	802.11ac Dual Band Router		
Test Item	Peak Power Output		
Test Mode	Mode 1: Transmit		
Date of Test	2013/09/06	Test Site	SR7

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

Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
3	2422	23.44	≤ 30	Pass
6	2437	29.35	≤ 30	Pass
9	2452	22.28	≤ 30	Pass

The worst emission of data rate is 40.5Mbps

Peak Power Output (dBm)										
MCS Index		8	9	10	11	12	13	14	15	Required Limit
Channel No	Frequency (MHz)	Data Rate								
		40.5	81.0	121.5	162.0	243.0	324.0	364.5	405.0	
3	2422	23.44	--	--	--	--	--	--	--	1Watt=30dBm
6	2437	29.35	29.33	29.32	29.31	29.30	29.29	29.28	29.27	1Watt=30dBm
9	2452	22.28	--	--	--	--	--	--	--	1Watt=30dBm

Product	802.11ac Dual Band Router		
Test Item	Peak Power Output		
Test Mode	Mode 1: Transmit		
Date of Test	2013/10/28	Test Site	SR7

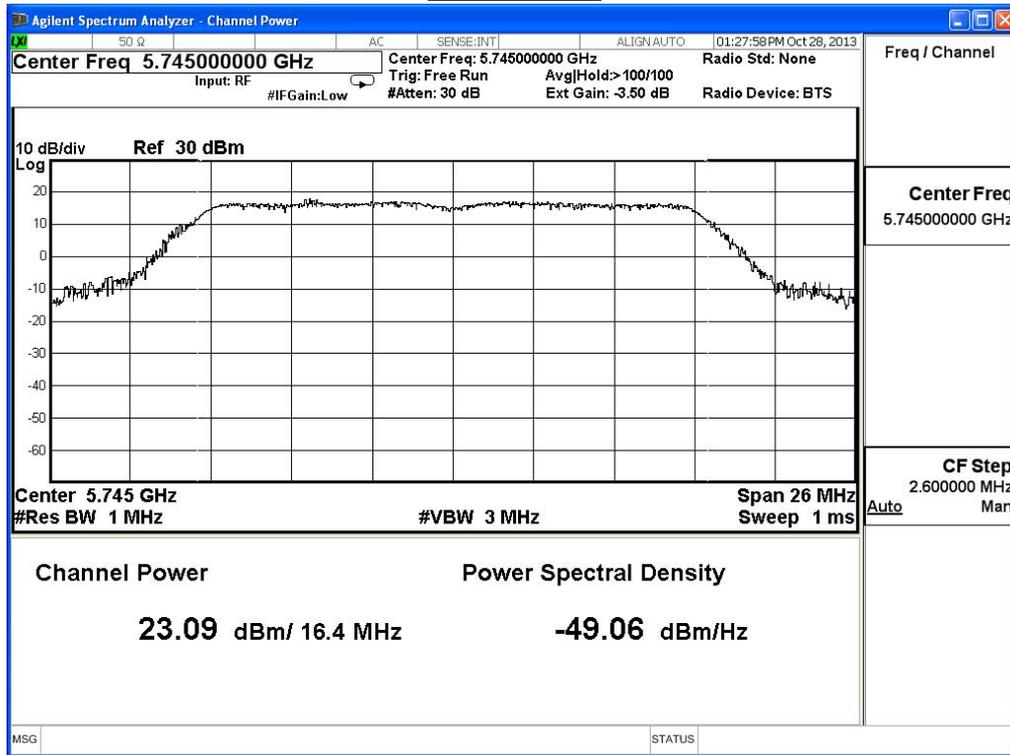
IEEE802.11a (ANT 0)

Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
149	5745	23.09	≤ 30	Pass
157	5785	22.78	≤ 30	Pass
165	5825	23.29	≤ 30	Pass

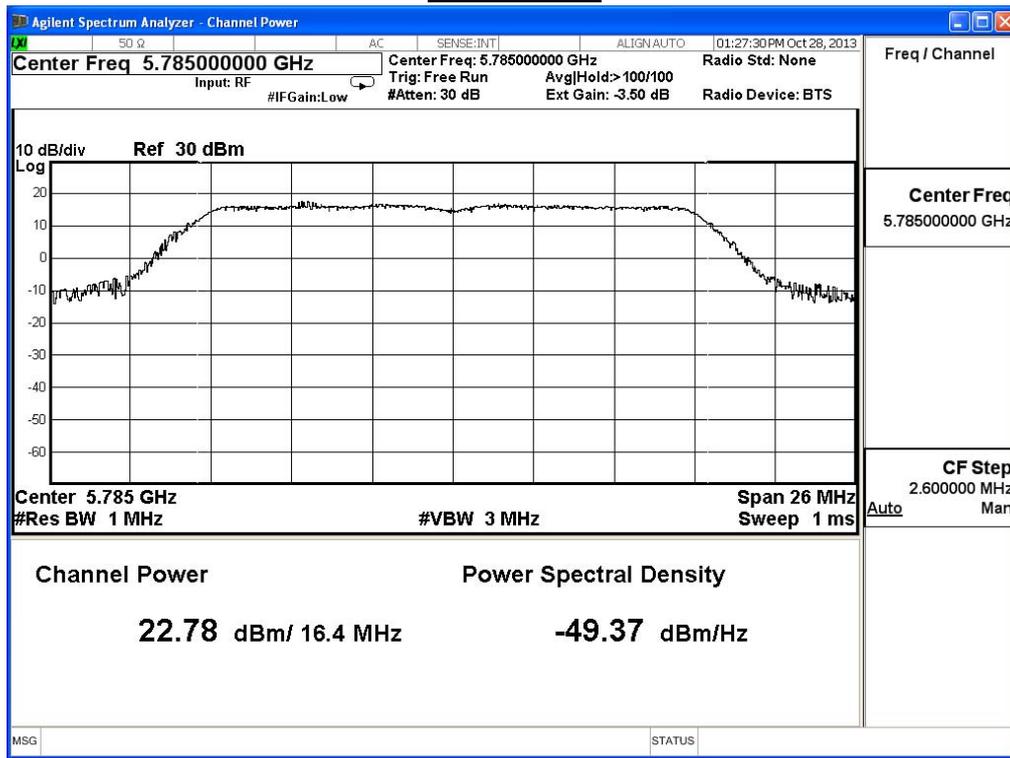
The worst emission of data rate is 6Mbps

Peak Power Output (dBm)									
Channel No	Frequency (MHz)	Data Rate							Required Limit
		6	12	18	24	36	48	54	
149	5745	23.09	--	--	--	--	--	--	1 Watt=30dBm
157	5785	22.78	22.54	22.34	22.12	21.88	21.64	21.36	1 Watt=30dBm
165	5825	23.29	--	--	--	--	--	--	1 Watt=30dBm

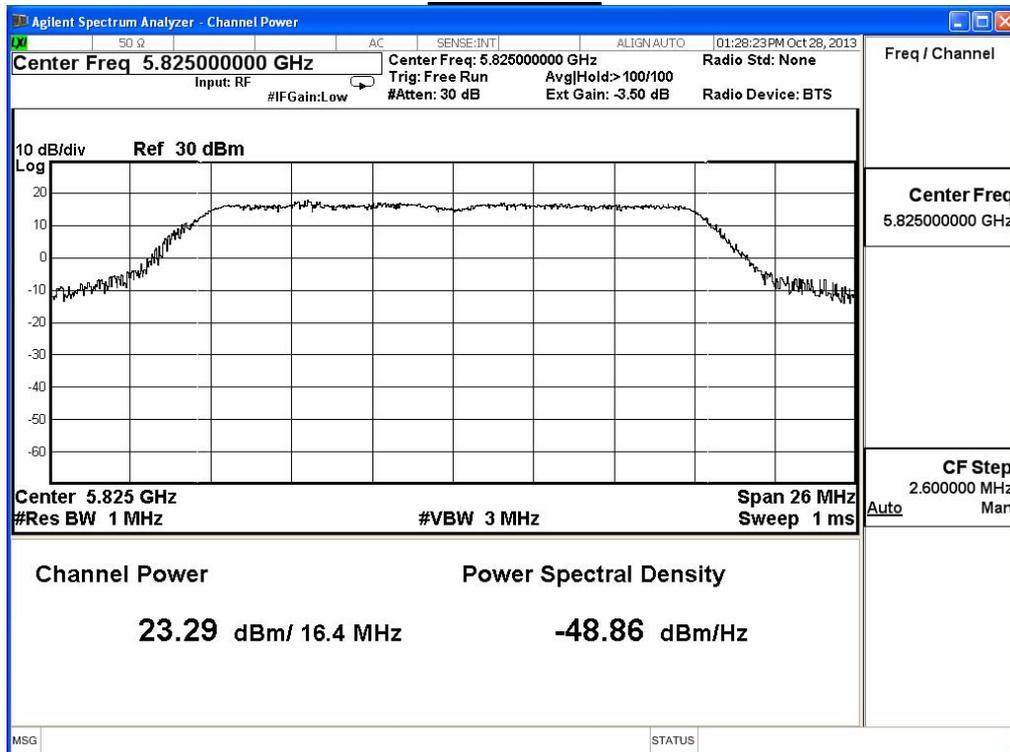
Channel 149



Channel 157



Channel 165



Product	802.11ac Dual Band Router		
Test Item	Peak Power Output		
Test Mode	Mode 1: Transmit		
Date of Test	2013/10/28	Test Site	SR7

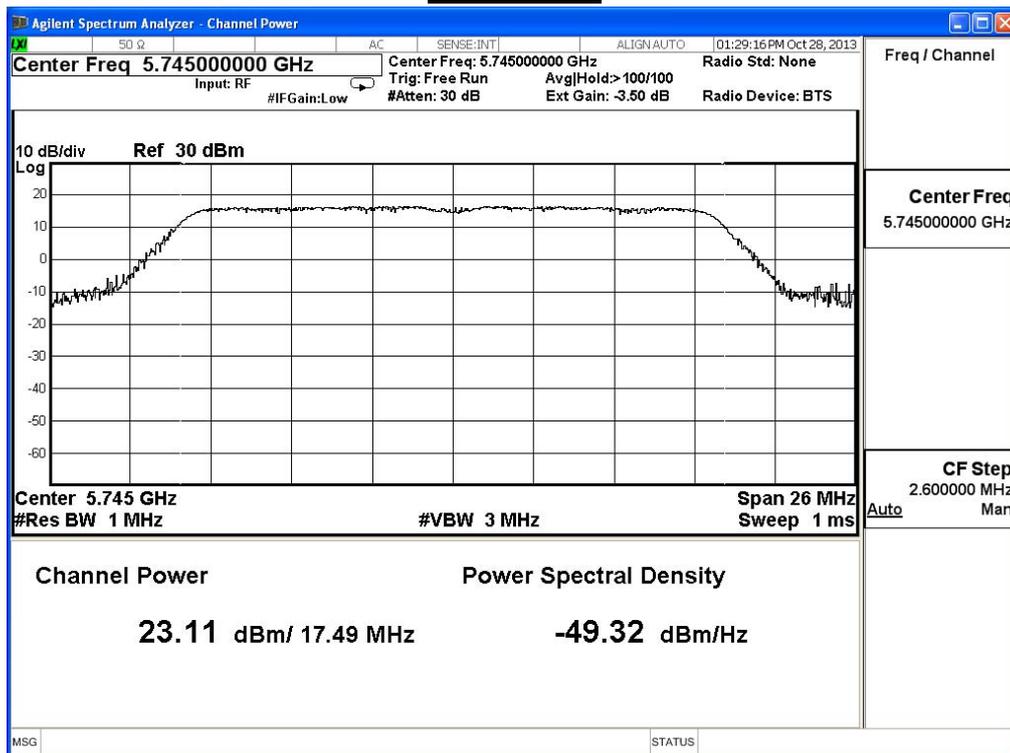
IEEE802.11 n 20MHz (ANT 0)

Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
149	5745	23.11	≤ 30	Pass
157	5785	23.20	≤ 30	Pass
165	5825	22.91	≤ 30	Pass

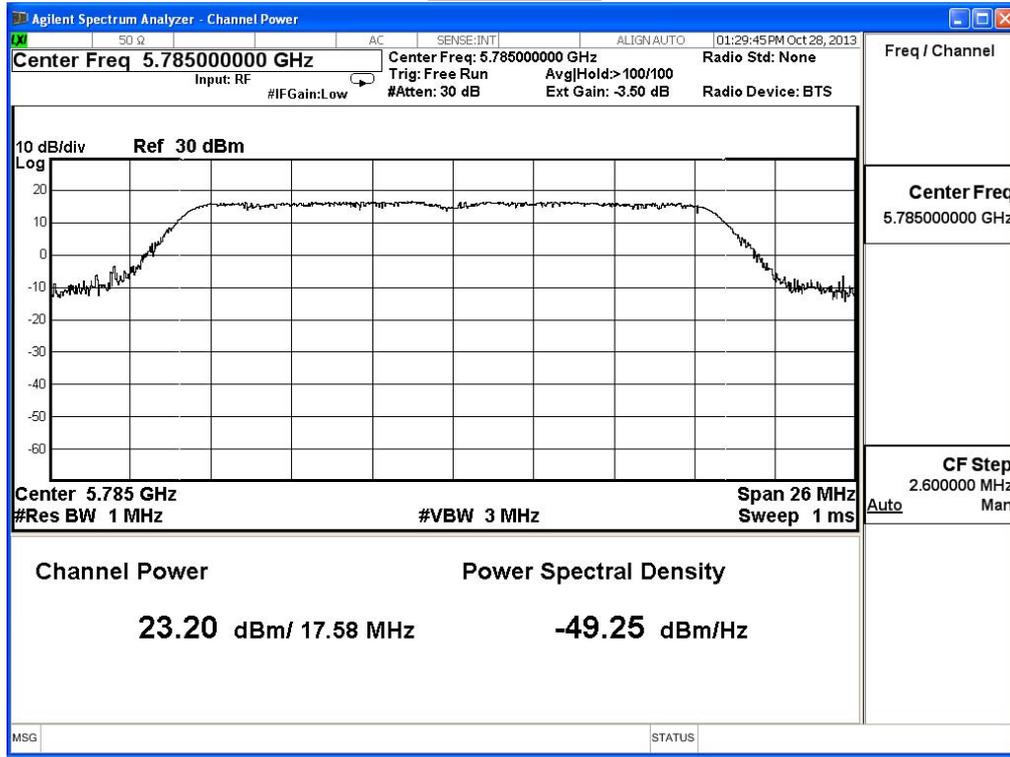
The worst emission of data rate is 16Mbps

Peak Power Output (dBm)										
MCS Index	0	1	2	3	4	5	6	7	Required Limit	
Channel No	Frequency (MHz)	Data Rate								
		19.5	39	58.5	78	117	156	175.5	195	
149	5745	23.11	--	--	--	--	--	--	--	30dBm
157	5785	23.20	23.09	22.99	22.89	22.65	22.41	22.26	22.14	30dBm
165	5825	22.91	--	--	--	--	--	--	--	30dBm

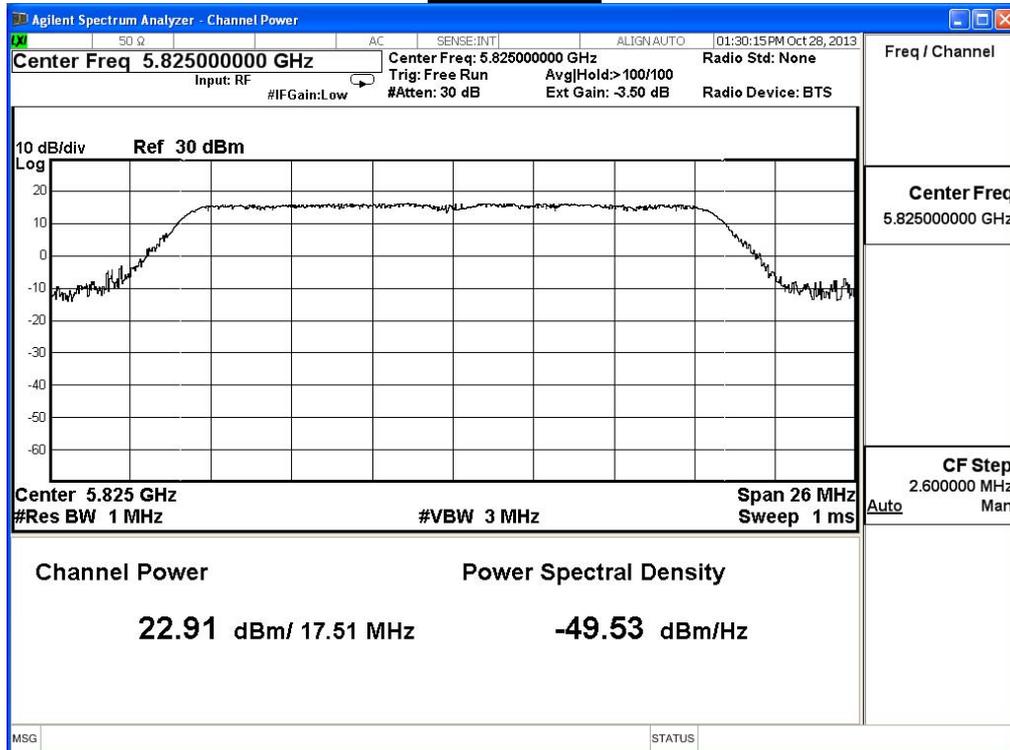
Channel 149



Channel 157



Channel 165



Product	802.11ac Dual Band Router		
Test Item	Peak Power Output		
Test Mode	Mode 1: Transmit		
Date of Test	2013/10/28	Test Site	SR7

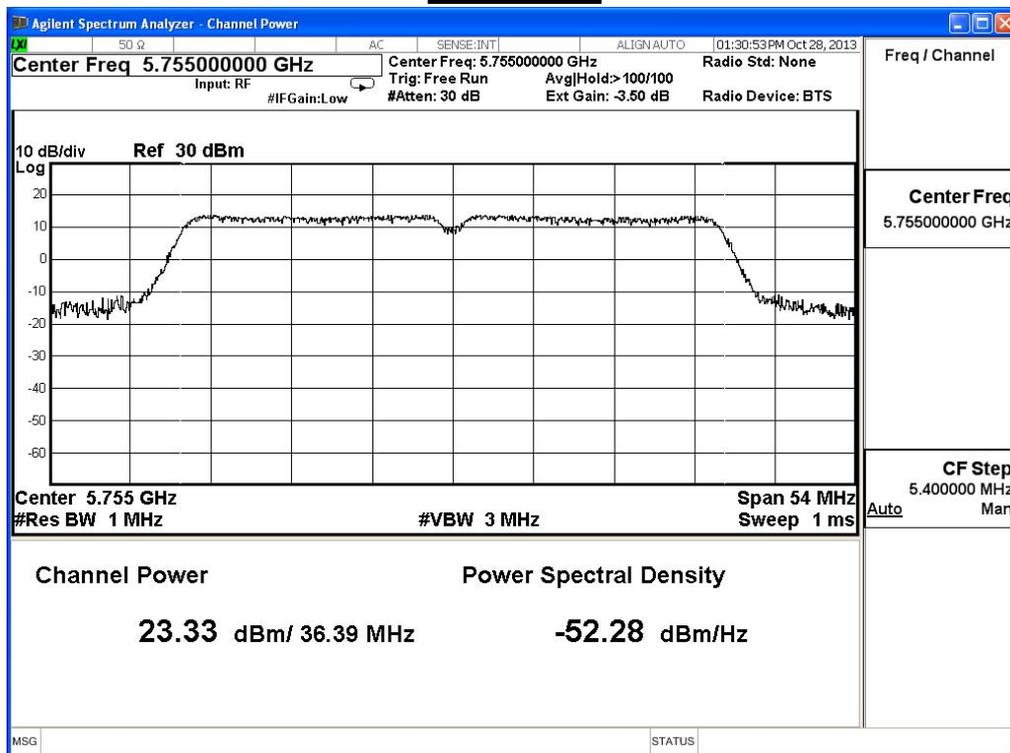
IEEE802.11 n 40MHz (ANT 0)

Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
151	5755	23.33	≤ 30	Pass
159	5795	23.07	≤ 30	Pass

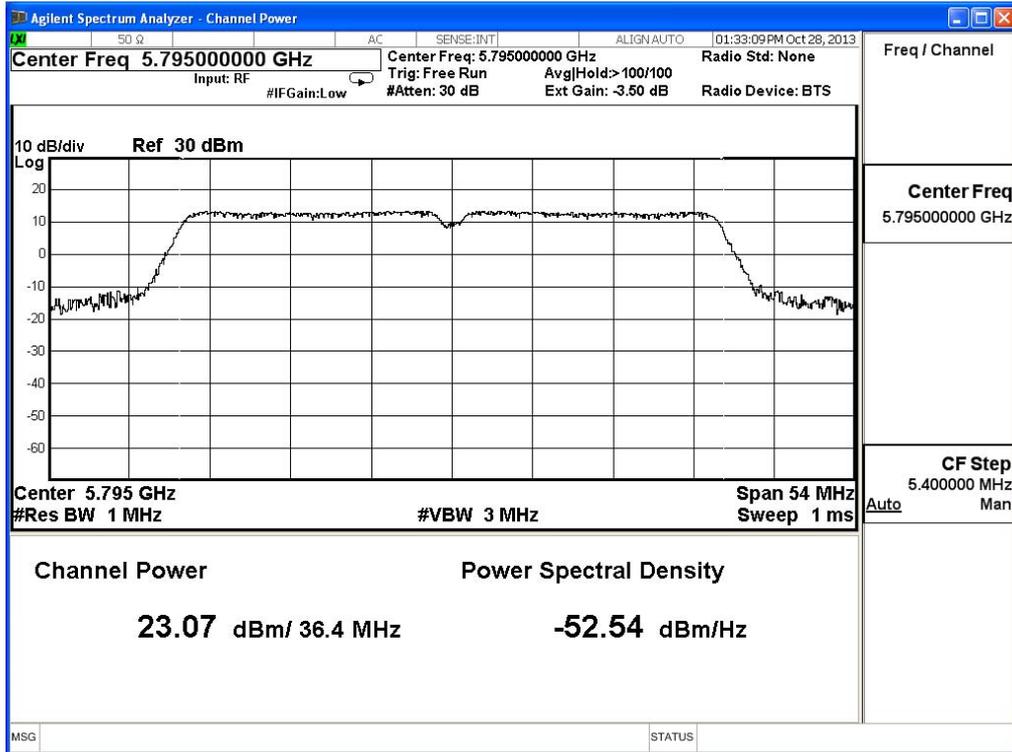
The worst emission of data rate is 16Mbps

Peak Power Output (dBm)										
MCS Index		0	1	2	3	4	5	6	7	Required Limit
Channel No	Frequency (MHz)	Data Rate								
		40.5	81.0	121.5	162.0	243.0	324.0	364.5	405.0	
151	5755	23.33	--	--	--	--	--	--	--	30dBm
159	5795	23.07	22.97	22.87	22.67	22.57	22.45	22.33	22.09	30dBm

Channel 151



Channel 157



Product	802.11ac Dual Band Router		
Test Item	Peak Power Output		
Test Mode	Mode 1: Transmit		
Date of Test	2013/10/28	Test Site	SR7

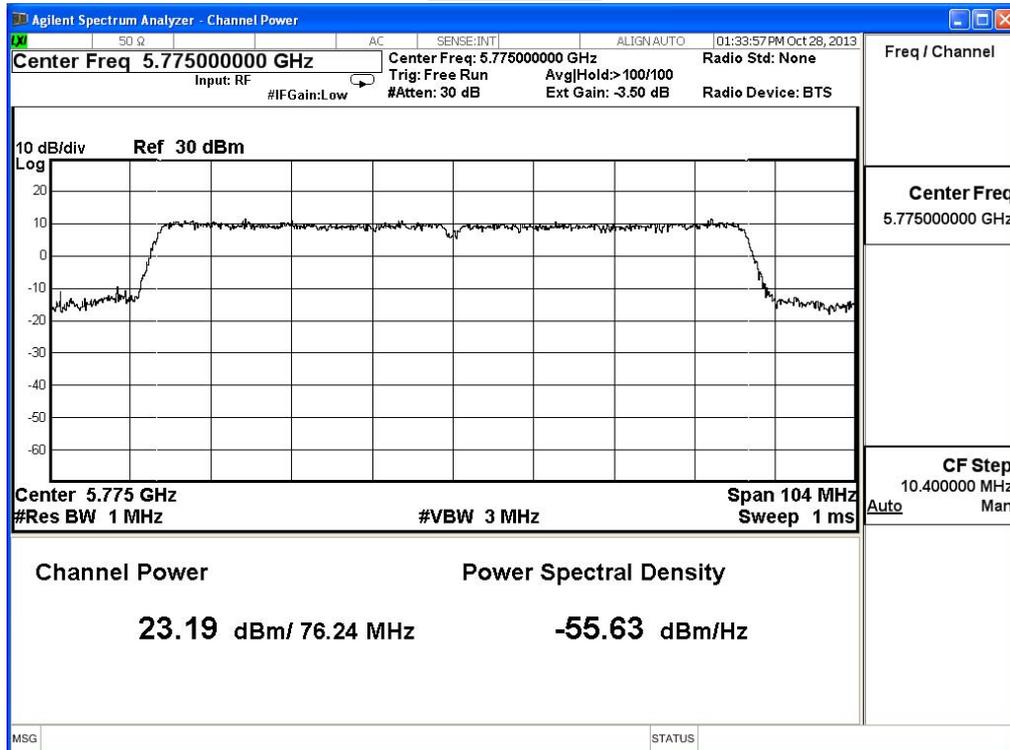
IEEE802.11ac 80MHz (ANT 0)

Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
155	5775	23.19	≤ 30	Pass

The worst emission of data rate is 16Mbps

Peak Power Output (dBm)											
MCS Index	0	1	2	3	4	5	6	7	8	9	
Channel No	Data Rate										
Frequency (MHz)	87.9	175.5	263.4	351	526.5	702	789.9	877.5	1053	1170	
42	5210	23.19	23.09	22.99	22.89	22.79	22.69	22.57	22.45	22.21	21.97

Channel 155



4. Radiated Emission

4.1. Test Equipment

The following test equipments are used during the test:

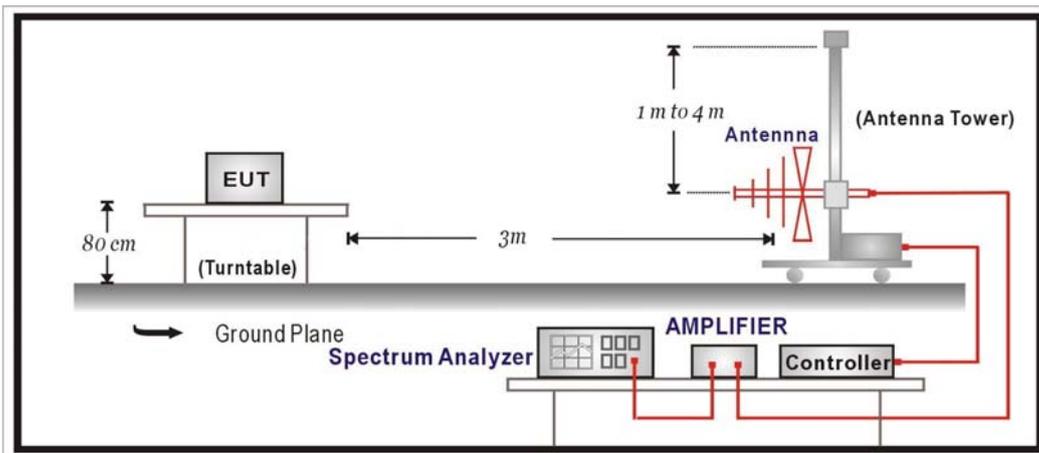
Radiated Emission / CB1

Instrument	Manufacturer	Model No.	Serial No	Next Cal. Date
Bilog Antenna	SCHAFFNER	CBL6112B	2895(CB1)	2014/08/14
Double Ridged Guide Horn Antenna	Schwarzback	BBHA 9120	D743	2014/02/17
Pre-Amplifier	MITEQ	AMF-4D	888003	2014/06/09
Pre-Amplifier	Quietek	AP-025C	CHM-0706049	2014/02/19
Spectrum Analyzer	Agilent	E4440A	MY46187335	2014/01/27
k Type Cable	Huber Suhner	Sucoflex 102	25623/2	2014/02/21

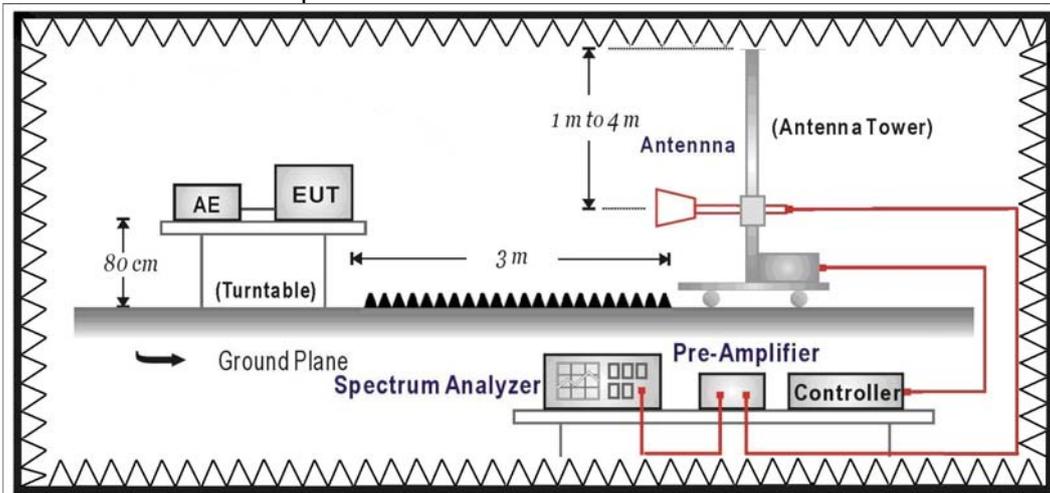
Note: 1. All equipments that need to calibrate are with calibration period of 1 year.

4.2. Test Setup

Under 1GHz Test Setup:



Above 1GHz Test Setup:



4.3. Limits

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

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

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

4.4. Test Procedure

The EUT was setup according to ANSI C63.4: 2009 and tested according to DTS test procedure of 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: 2012

4.6. Uncertainty

The measurement uncertainty

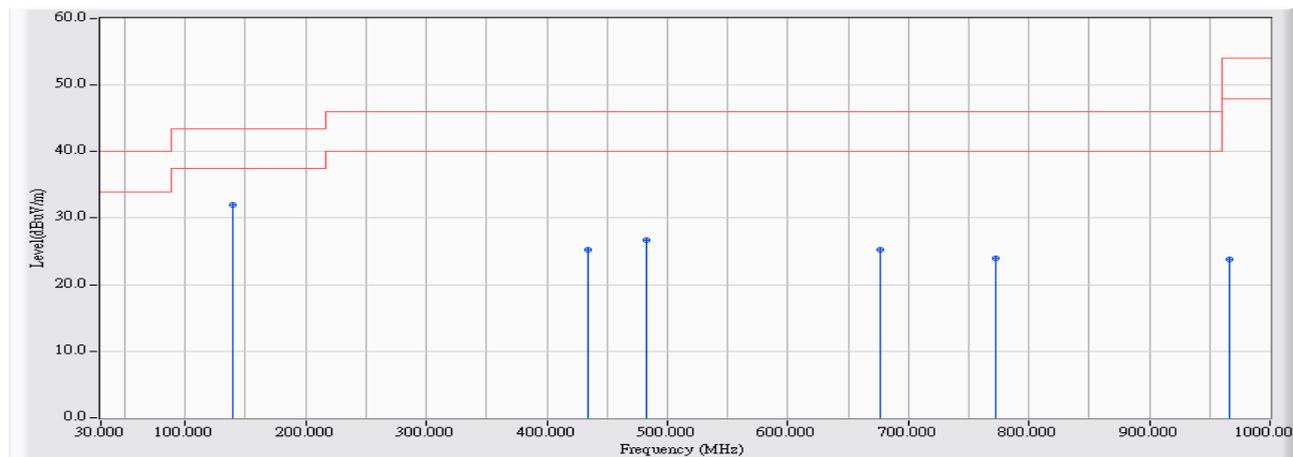
30MHz~1GHz as ±3.43dB

1GHz~26.5Ghz as ±3.65dB

4.7. Test Result

30MHz-1GHz Spurious

Site : CB1	Time : 2013/10/28 - 15:32
Limit : FCC_CLASS_B_03M_QP	Margin : 6
Probe : CB1_FCC_EFS_30-1G-2_1011 - HORIZONTAL	Power : AC120V/60Hz
EUT : 802.11AC DUAL BAND ROUTER	Note : 802.11b_ 2437MHz

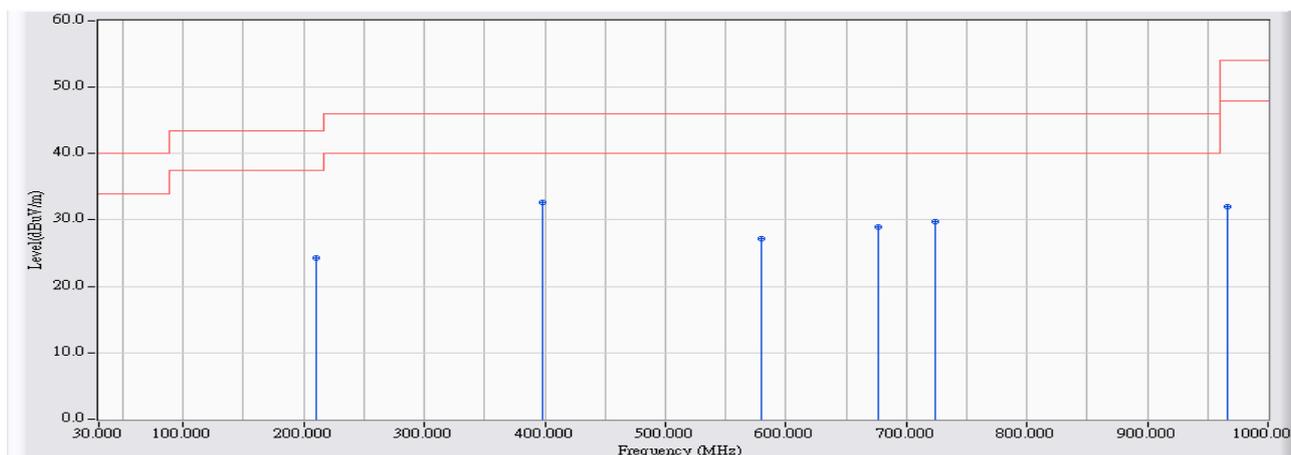


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	139.610	-22.855	54.879	32.024	-11.476	43.500	QUASPEAK
2		434.490	-16.880	42.161	25.281	-20.719	46.000	QUASPEAK
3		482.990	-15.945	42.689	26.744	-19.256	46.000	QUASPEAK
4		676.990	-15.124	40.375	25.250	-20.750	46.000	QUASPEAK
5		773.020	-13.969	37.984	24.014	-21.986	46.000	QUASPEAK
6		967.020	-12.848	36.615	23.768	-30.232	54.000	QUASPEAK

Note:

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

Site : CB1	Time : 2013/10/28 - 15:33
Limit : FCC_CLASS_B_03M_QP	Margin : 6
Probe : CB1_FCC_EFS_30-1G-2_1011 - VERTICAL	Power : AC120V/60Hz
EUT : 802.11AC DUAL BAND ROUTER	Note : 802.11b_2437MHz

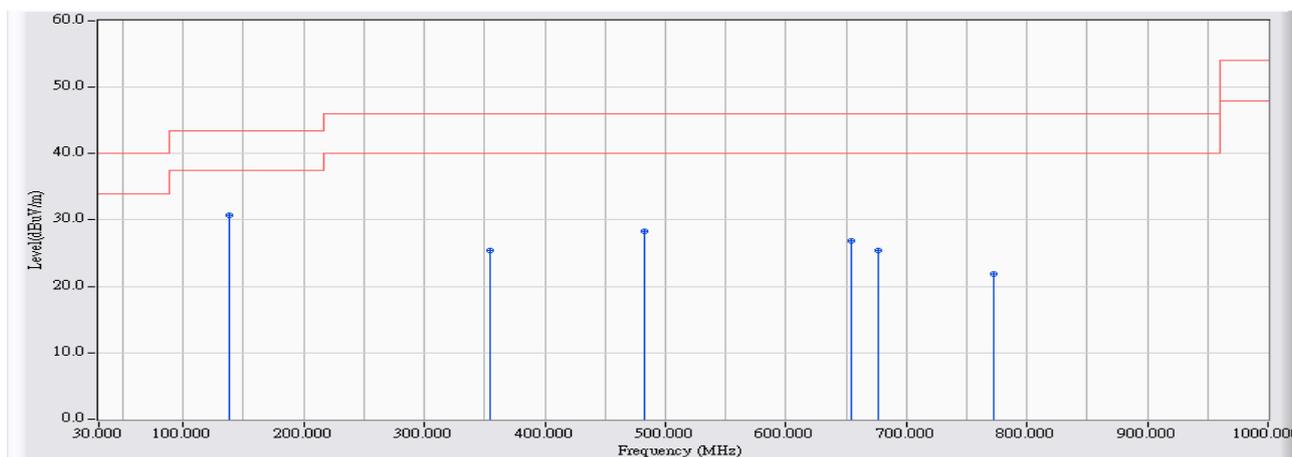


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	210.420	-24.039	48.309	24.270	-19.230	43.500	QUASPEAK
2	* 398.600	-17.581	50.267	32.686	-13.314	46.000	QUASPEAK
3	579.990	-15.537	42.649	27.112	-18.888	46.000	QUASPEAK
4	676.990	-15.124	44.097	28.972	-17.028	46.000	QUASPEAK
5	724.520	-14.659	44.496	29.837	-16.163	46.000	QUASPEAK
6	967.020	-12.848	44.819	31.972	-22.028	54.000	QUASPEAK

Note:

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

Site : CB1	Time : 2013/10/28 - 15:34
Limit : FCC_CLASS_B_03M_QP	Margin : 6
Probe : CB1_FCC_EFS_30-1G-2_1011 - HORIZONTAL	Power : AC120V/60Hz
EUT : 802.11AC DUAL BAND ROUTER	Note : 802.11g_2437MHz

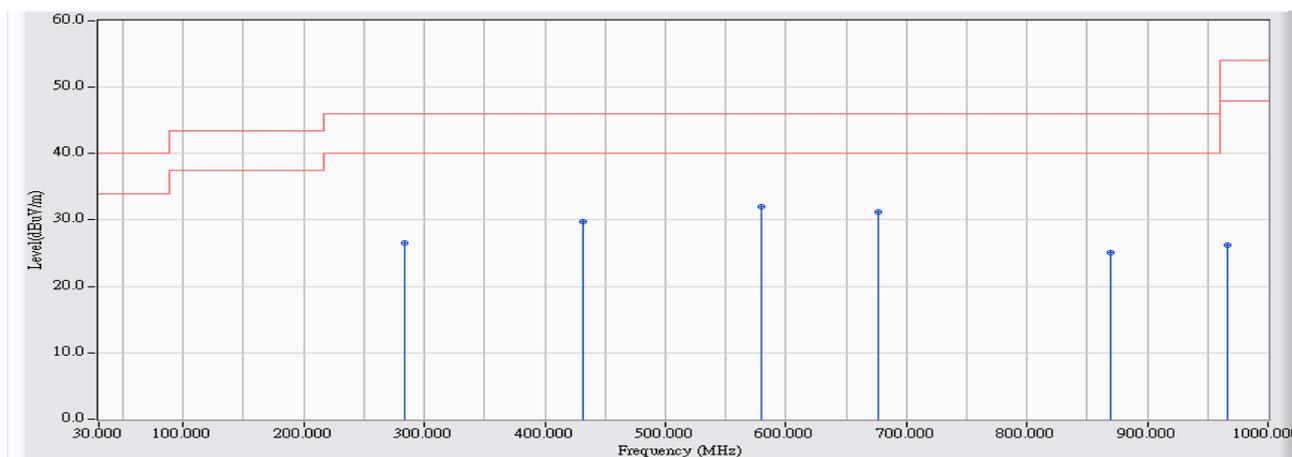


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	138.640	-22.821	53.562	30.741	-12.759	43.500	QUASPEAK
2		354.950	-18.673	44.138	25.465	-20.535	46.000	QUASPEAK
3		482.990	-15.945	44.234	28.289	-17.711	46.000	QUASPEAK
4		654.680	-15.238	42.140	26.902	-19.098	46.000	QUASPEAK
5		676.990	-15.124	40.586	25.461	-20.539	46.000	QUASPEAK
6		773.020	-13.969	35.868	21.898	-24.102	46.000	QUASPEAK

Note:

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

Site : CB1	Time : 2013/10/28 - 15:35
Limit : FCC_CLASS_B_03M_QP	Margin : 6
Probe : CB1_FCC_EFS_30-1G-2_1011 - VERTICAL	Power : AC120V/60Hz
EUT : 802.11AC DUAL BAND ROUTER	Note : 802.11g_2437MHz

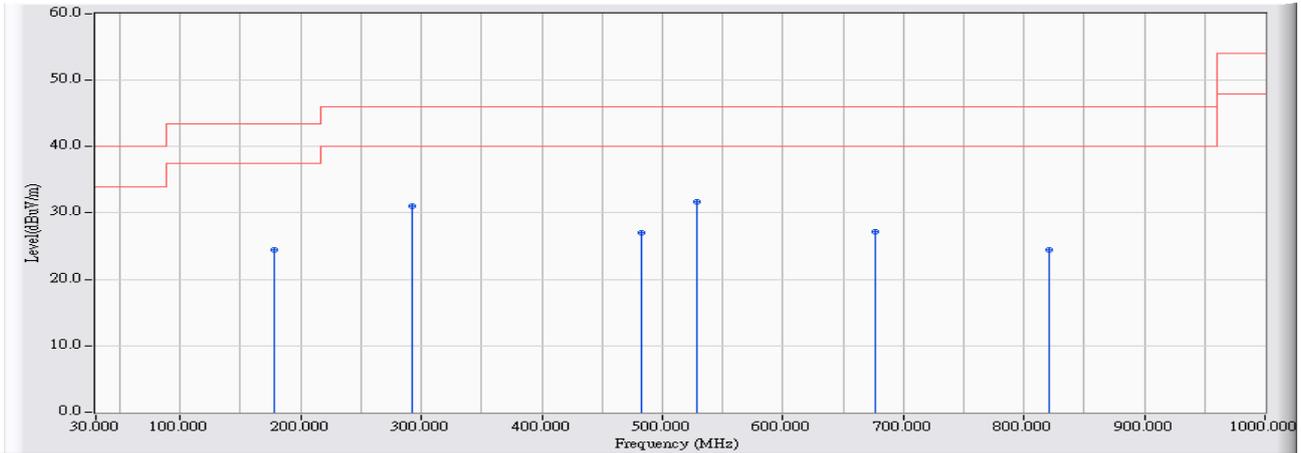


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	284.140	-20.356	46.896	26.541	-19.459	46.000	QUASPEAK
2	431.580	-16.937	46.651	29.714	-16.286	46.000	QUASPEAK
3	* 579.990	-15.537	47.614	32.077	-13.923	46.000	QUASPEAK
4	676.990	-15.124	46.391	31.266	-14.734	46.000	QUASPEAK
5	870.020	-13.405	38.535	25.130	-20.870	46.000	QUASPEAK
6	967.020	-12.848	39.071	26.224	-27.776	54.000	QUASPEAK

Note:

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

Site : CB1	Time : 2013/10/28 - 15:36
Limit : FCC_CLASS_B_03M_QP	Margin : 6
Probe : CB1_FCC_EFS_30-1G-2_1011 - HORIZONTAL	Power : AC120V/60Hz
EUT : 802.11AC DUAL BAND ROUTER	Note : 802.11n20MHz_ 2437MHz

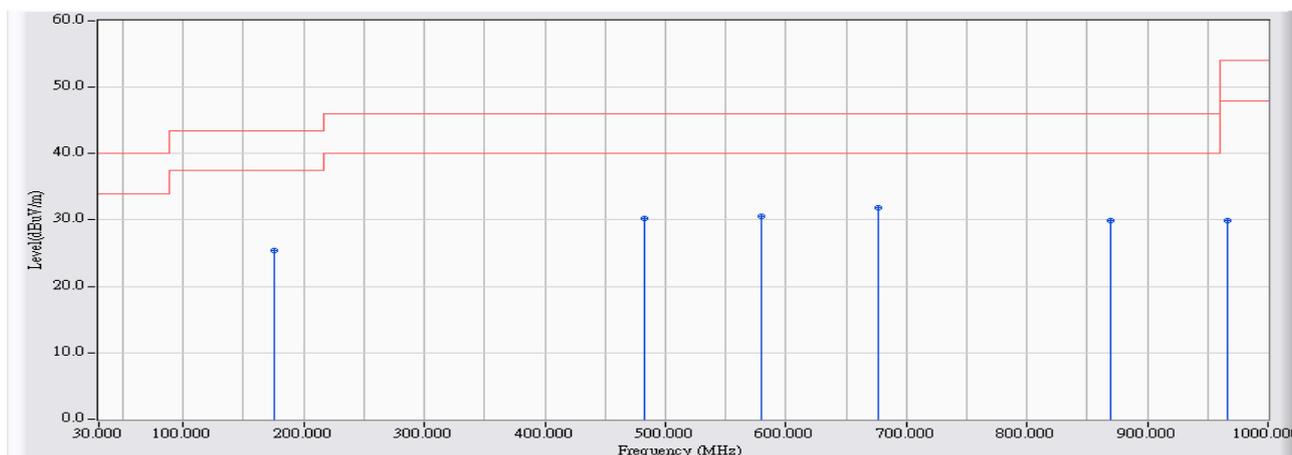


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	178.410	-24.670	49.099	24.429	-19.071	43.500	QUASPEAK
2	291.900	-20.205	51.241	31.036	-14.964	46.000	QUASPEAK
3	482.990	-15.945	43.028	27.083	-18.917	46.000	QUASPEAK
4	* 528.580	-15.589	47.329	31.741	-14.259	46.000	QUASPEAK
5	676.990	-15.124	42.359	27.234	-18.766	46.000	QUASPEAK
6	821.520	-13.530	37.912	24.382	-21.618	46.000	QUASPEAK

Note:

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

Site : CB1	Time : 2013/10/28 - 15:38
Limit : FCC_CLASS_B_03M_QP	Margin : 6
Probe : CB1_FCC_EFS_30-1G-2_1011 - VERTICAL	Power : AC120V/60Hz
EUT : 802.11AC DUAL BAND ROUTER	Note : 802.11n20MHz_ 2437MHz

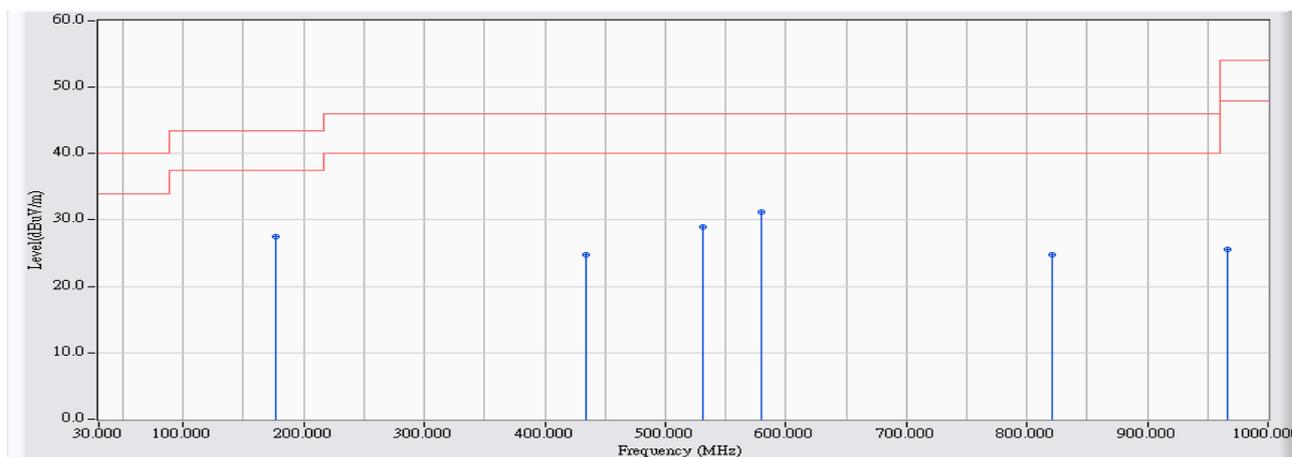


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	175.500	-24.542	49.961	25.419	-18.081	43.500	QUASPEAK
2	482.990	-15.945	46.179	30.234	-15.766	46.000	QUASPEAK
3	579.990	-15.537	46.099	30.562	-15.438	46.000	QUASPEAK
4	* 676.990	-15.124	46.911	31.786	-14.214	46.000	QUASPEAK
5	870.020	-13.405	43.294	29.889	-16.111	46.000	QUASPEAK
6	967.020	-12.848	42.762	29.915	-24.085	54.000	QUASPEAK

Note:

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

Site : CB1	Time : 2013/10/28 - 15:39
Limit : FCC_CLASS_B_03M_QP	Margin : 6
Probe : CB1_FCC_EFS_30-1G-2_1011 - HORIZONTAL	Power : AC120V/60Hz
EUT : 802.11AC DUAL BAND ROUTER	Note : 802.11n40MHz_ 2437MHz

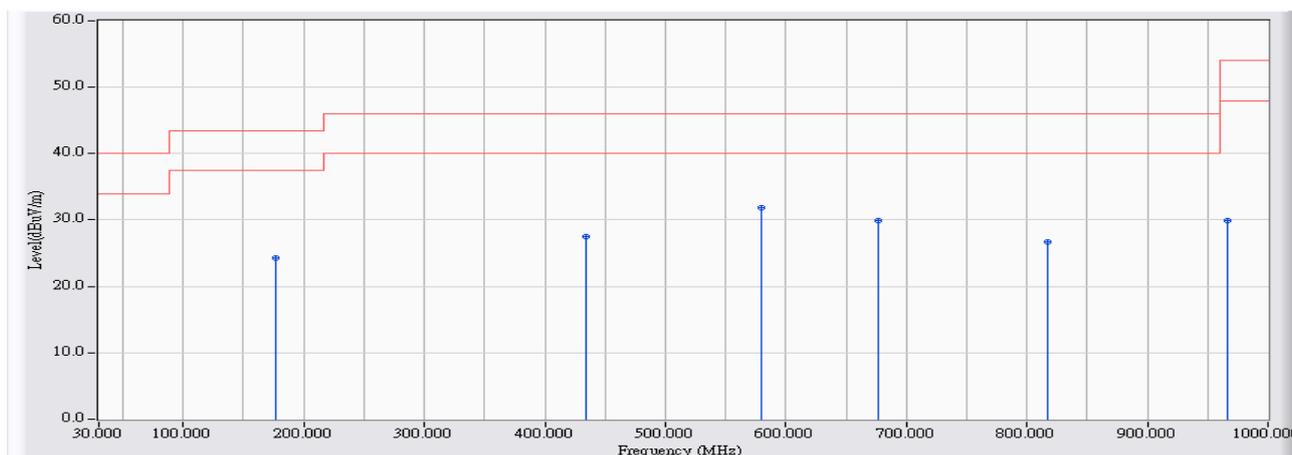


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	176.470	-24.584	52.088	27.503	-15.997	43.500	QUASPEAK
2	434.490	-16.880	41.640	24.760	-21.240	46.000	QUASPEAK
3	531.490	-15.585	44.513	28.928	-17.072	46.000	QUASPEAK
4	* 579.990	-15.537	46.798	31.261	-14.739	46.000	QUASPEAK
5	821.520	-13.530	38.324	24.794	-21.206	46.000	QUASPEAK
6	967.020	-12.848	38.430	25.583	-28.417	54.000	QUASPEAK

Note:

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

Site : CB1	Time : 2013/10/28 - 15:40
Limit : FCC_CLASS_B_03M_QP	Margin : 6
Probe : CB1_FCC_EFS_30-1G-2_1011 - VERTICAL	Power : AC120V/60Hz
EUT : 802.11AC DUAL BAND ROUTER	Note : 802.11n40MHz_ 2437MHz

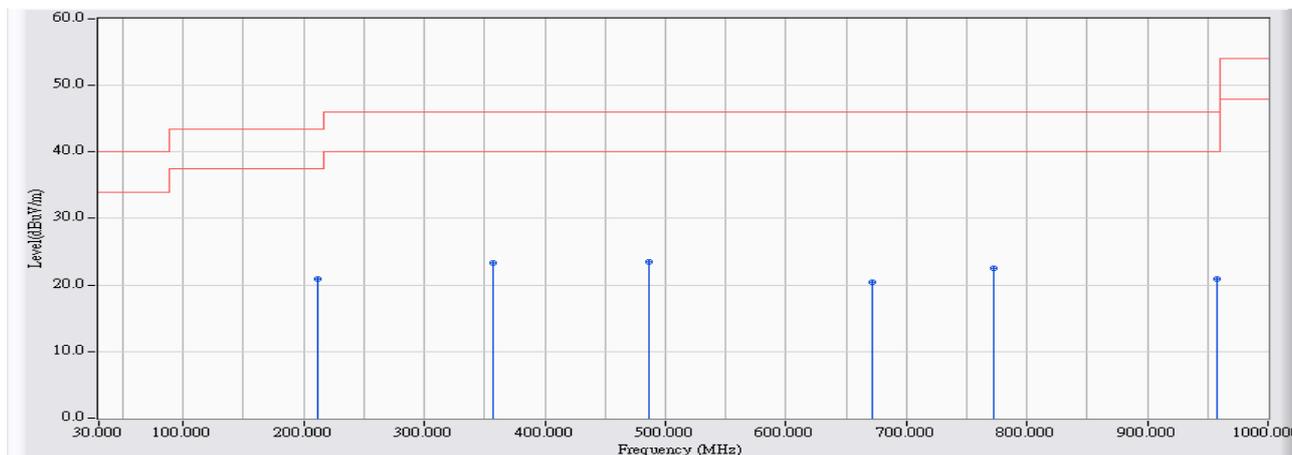


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	176.470	-24.584	48.804	24.219	-19.281	43.500	QUASPEAK
2	434.490	-16.880	44.421	27.541	-18.459	46.000	QUASPEAK
3	* 579.990	-15.537	47.434	31.897	-14.103	46.000	QUASPEAK
4	676.990	-15.124	45.021	29.896	-16.104	46.000	QUASPEAK
5	816.670	-13.543	40.245	26.702	-19.298	46.000	QUASPEAK
6	967.020	-12.848	42.725	29.878	-24.122	54.000	QUASPEAK

Note:

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

Site : CB1	Time : 2013/10/28 - 16:23
Limit : FCC_CLASS_B_03M_QP	Margin : 6
Probe : CB1_FCC_EFS_30-1G-2_1011 - HORIZONTAL	Power : AC120V/60Hz
EUT : 802.11AC DUAL BAND ROUTER	Note : 802.11a_ 5785MHz

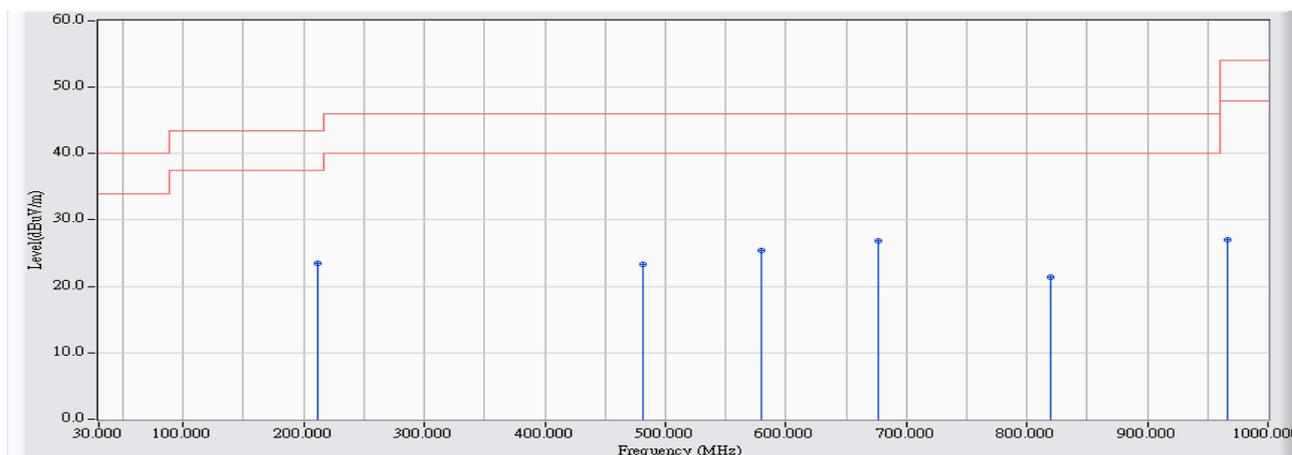


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	211.390	-23.965	44.952	20.987	-22.513	43.500	QUASPEAK
2		356.890	-18.625	41.906	23.282	-22.718	46.000	QUASPEAK
3		485.900	-15.889	39.335	23.446	-22.554	46.000	QUASPEAK
4		672.140	-15.150	35.512	20.363	-25.637	46.000	QUASPEAK
5		773.020	-13.969	36.445	22.475	-23.525	46.000	QUASPEAK
6		957.320	-12.916	33.829	20.912	-25.088	46.000	QUASPEAK

Note:

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

Site : CB1	Time : 2013/10/28 - 16:24
Limit : FCC_CLASS_B_03M_QP	Margin : 6
Probe : CB1_FCC_EFS_30-1G-2_1011 - VERTICAL	Power : AC120V/60Hz
EUT : 802.11AC DUAL BAND ROUTER	Note : 802.11a_5785MHz

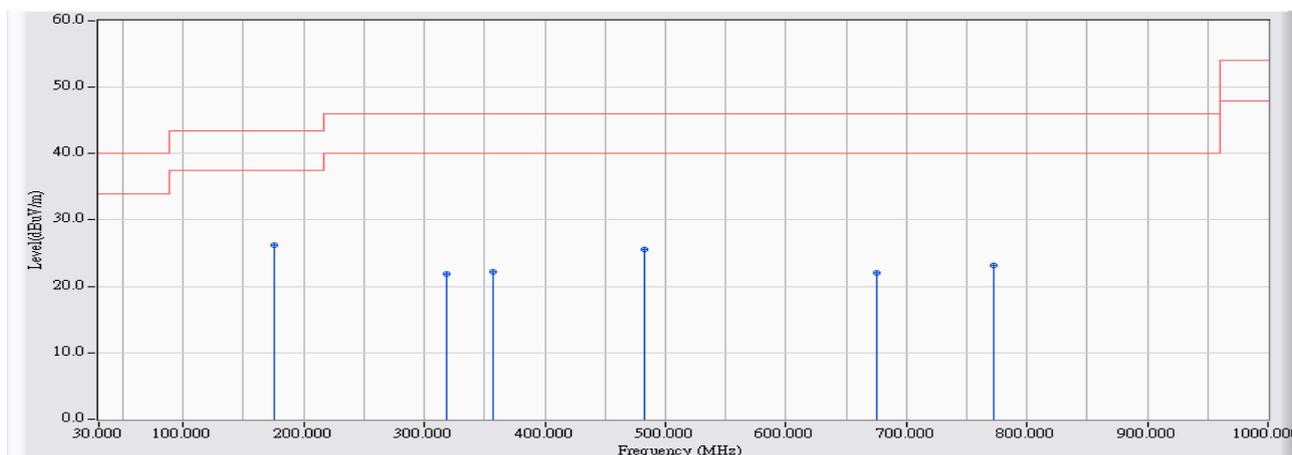


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	211.390	-23.965	47.462	23.497	-20.003	43.500	QUASPEAK
2	482.020	-15.963	39.224	23.260	-22.740	46.000	QUASPEAK
3	579.990	-15.537	40.873	25.336	-20.664	46.000	QUASPEAK
4	* 676.990	-15.124	41.918	26.793	-19.207	46.000	QUASPEAK
5	819.580	-13.536	34.923	21.388	-24.612	46.000	QUASPEAK
6	967.020	-12.848	39.867	27.020	-26.980	54.000	QUASPEAK

Note:

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

Site : CB1	Time : 2013/10/28 - 16:26
Limit : FCC_CLASS_B_03M_QP	Margin : 6
Probe : CB1_FCC_EFS_30-1G-2_1011 - HORIZONTAL	Power : AC120V/60Hz
EUT : 802.11AC DUAL BAND ROUTER	Note : 802.11n20MHz_ 5785MHz

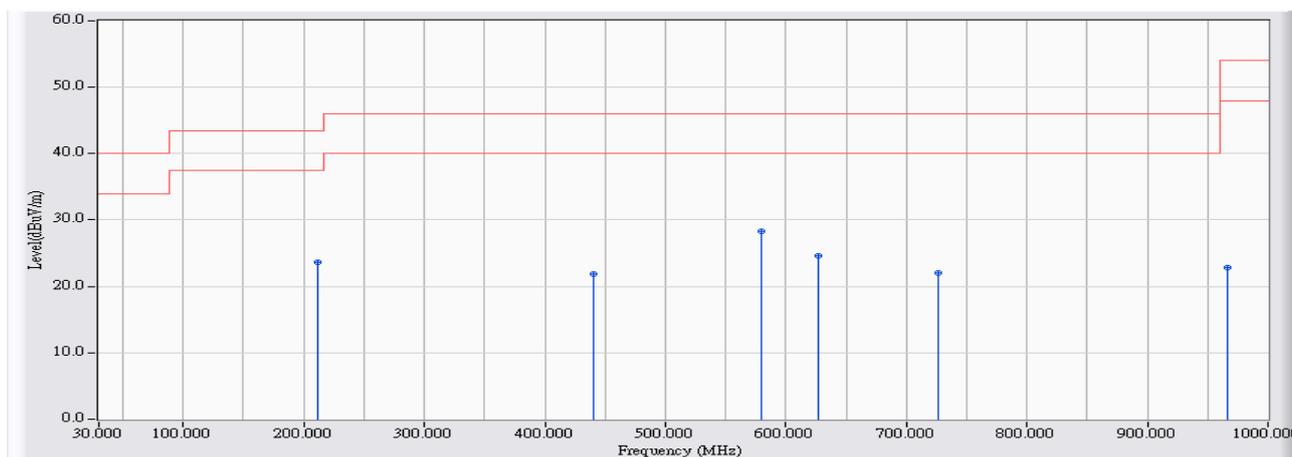


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	175.500	-24.542	50.749	26.207	-17.293	43.500	QUASPEAK
2		319.060	-19.571	41.454	21.883	-24.117	46.000	QUASPEAK
3		356.890	-18.625	40.847	22.223	-23.777	46.000	QUASPEAK
4		482.990	-15.945	41.542	25.597	-20.403	46.000	QUASPEAK
5		676.020	-15.129	37.177	22.047	-23.953	46.000	QUASPEAK
6		773.020	-13.969	37.061	23.091	-22.909	46.000	QUASPEAK

Note:

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

Site : CB1	Time : 2013/10/28 - 16:27
Limit : FCC_CLASS_B_03M_QP	Margin : 6
Probe : CB1_FCC_EFS_30-1G-2_1011 - VERTICAL	Power : AC120V/60Hz
EUT : 802.11AC DUAL BAND ROUTER	Note : 802.11n20MHz_ 5785MHz

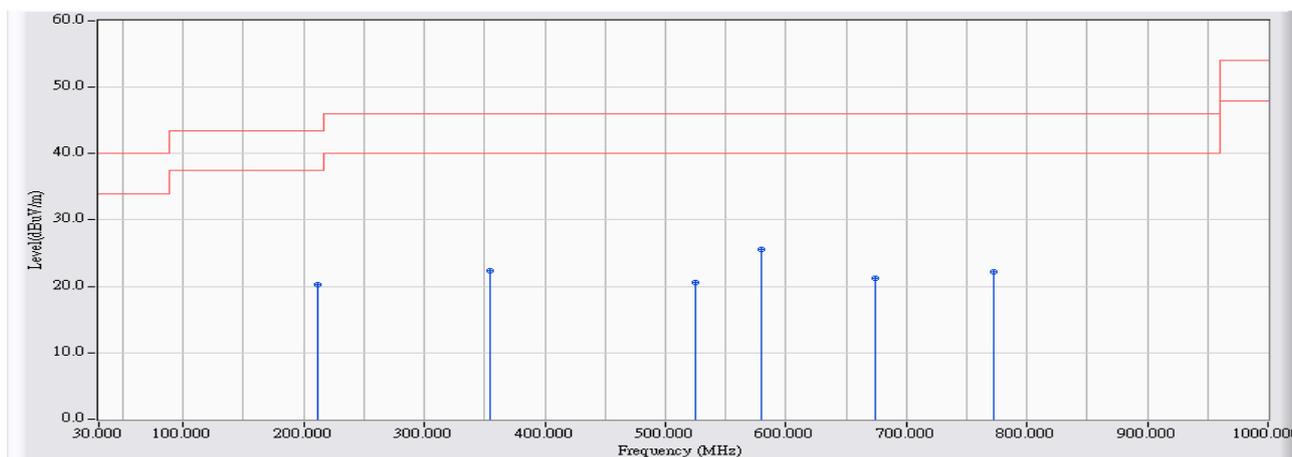


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	211.390	-23.965	47.663	23.698	-19.802	43.500	QUASPEAK
2	440.310	-16.768	38.588	21.820	-24.180	46.000	QUASPEAK
3	* 579.990	-15.537	43.829	28.292	-17.708	46.000	QUASPEAK
4	626.550	-15.381	40.058	24.677	-21.323	46.000	QUASPEAK
5	726.460	-14.632	36.638	22.007	-23.993	46.000	QUASPEAK
6	967.020	-12.848	35.704	22.857	-31.143	54.000	QUASPEAK

Note:

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

Site : CB1	Time : 2013/10/28 - 16:28
Limit : FCC_CLASS_B_03M_QP	Margin : 6
Probe : CB1_FCC_EFS_30-1G-2_1011 - HORIZONTAL	Power : AC120V/60Hz
EUT : 802.11AC DUAL BAND ROUTER	Note : 802.11n40MHz_ 5755MHz

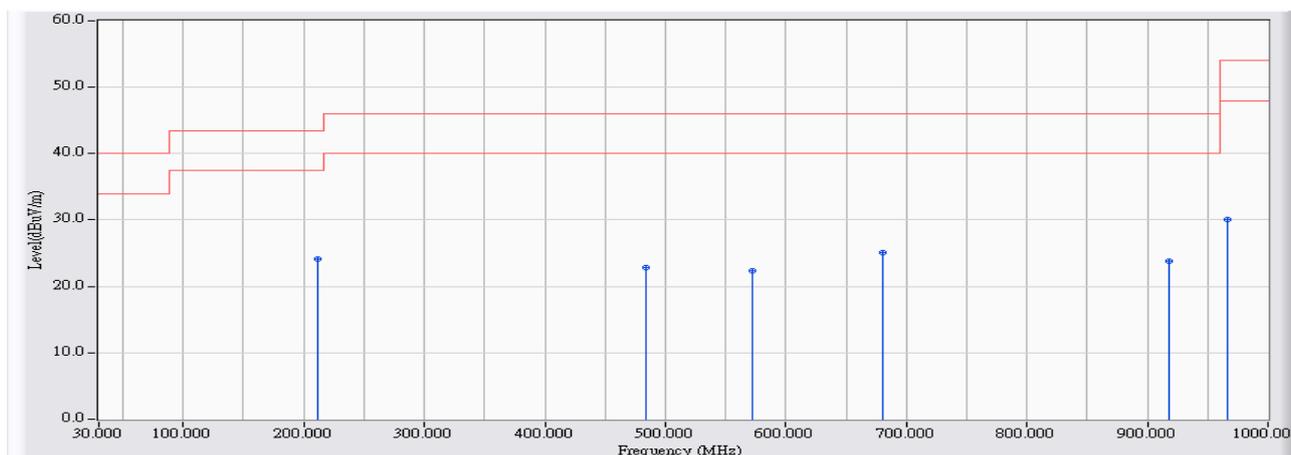


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	211.390	-23.965	44.306	20.341	-23.159	43.500	QUASPEAK
2	354.950	-18.673	40.954	22.281	-23.719	46.000	QUASPEAK
3	524.700	-15.592	36.104	20.512	-25.488	46.000	QUASPEAK
4	* 579.990	-15.537	41.136	25.599	-20.401	46.000	QUASPEAK
5	674.080	-15.139	36.367	21.228	-24.772	46.000	QUASPEAK
6	773.020	-13.969	36.248	22.278	-23.722	46.000	QUASPEAK

Note:

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

Site : CB1	Time : 2013/10/28 - 16:29
Limit : FCC_CLASS_B_03M_QP	Margin : 6
Probe : CB1_FCC_EFS_30-1G-2_1011 - VERTICAL	Power : AC120V/60Hz
EUT : 802.11AC DUAL BAND ROUTER	Note : 802.11n40MHz_ 5755MHz

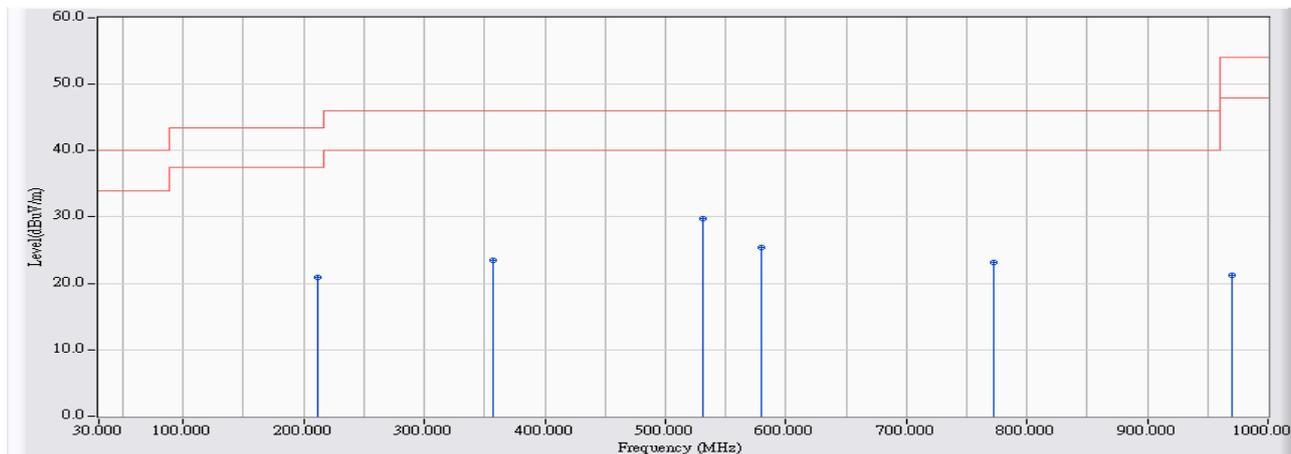


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	211.390	-23.965	48.074	24.109	-19.391	43.500	QUASPEAK
2		483.960	-15.926	38.799	22.872	-23.128	46.000	QUASPEAK
3		572.230	-15.545	37.908	22.363	-23.637	46.000	QUASPEAK
4		679.900	-15.109	40.226	25.116	-20.884	46.000	QUASPEAK
5		918.520	-13.195	37.082	23.887	-22.113	46.000	QUASPEAK
6		967.020	-12.848	42.938	30.091	-23.909	54.000	QUASPEAK

Note:

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

Site : CB1	Time : 2013/10/28 - 16:31
Limit : FCC_CLASS_B_03M_QP	Margin : 6
Probe : CB1_FCC_EFS_30-1G-2_1011 - HORIZONTAL	Power : AC120V/60Hz
EUT : 802.11AC DUAL BAND ROUTER	Note : 802.11ac80MHz_ 5775MHz

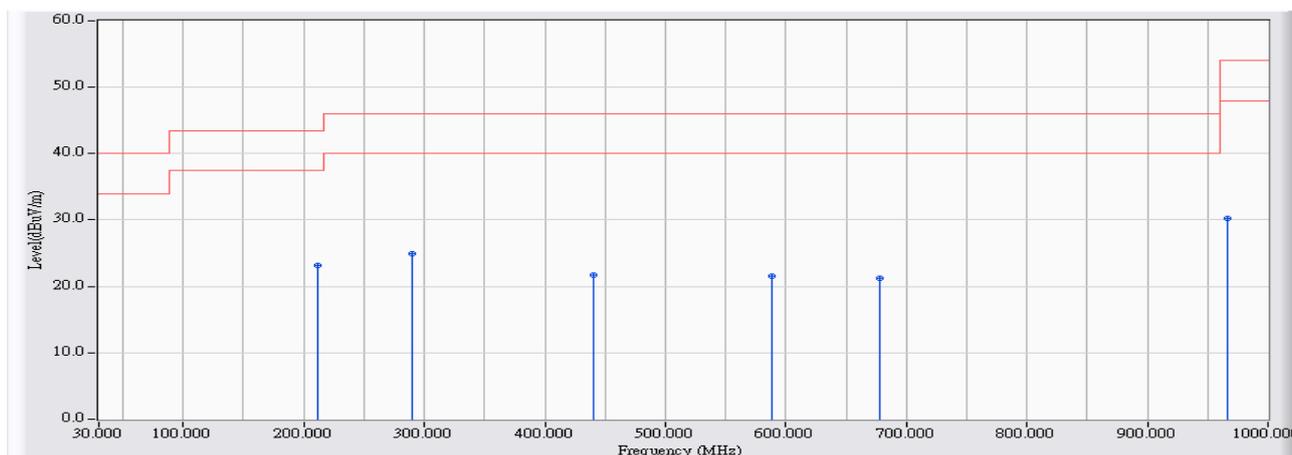


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	211.390	-23.965	44.943	20.978	-22.522	43.500	QUASPEAK
2	356.890	-18.625	42.101	23.477	-22.523	46.000	QUASPEAK
3	* 531.490	-15.585	45.288	29.703	-16.297	46.000	QUASPEAK
4	579.990	-15.537	41.007	25.470	-20.530	46.000	QUASPEAK
5	773.020	-13.969	37.119	23.149	-22.851	46.000	QUASPEAK
6	969.930	-12.826	34.027	21.200	-32.800	54.000	QUASPEAK

Note:

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

Site : CB1	Time : 2013/10/28 - 16:32
Limit : FCC_CLASS_B_03M_QP	Margin : 6
Probe : CB1_FCC_EFS_30-1G-2_1011 - VERTICAL	Power : AC120V/60Hz
EUT : 802.11AC DUAL BAND ROUTER	Note : 802.11ac80MHz_ 5775MHz



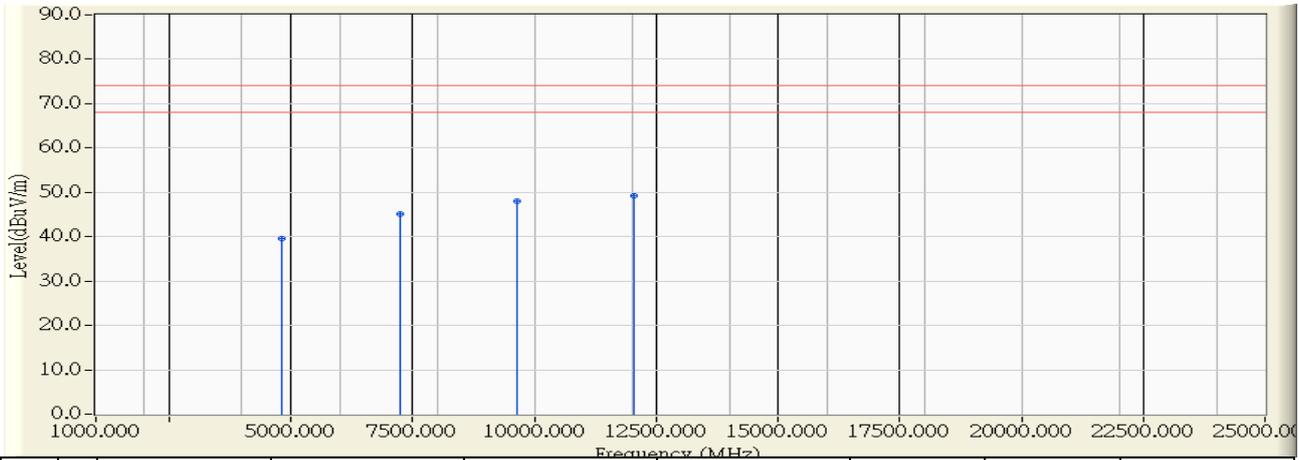
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	211.390	-23.965	47.094	23.129	-20.371	43.500	QUASPEAK
2		289.960	-20.243	45.107	24.865	-21.135	46.000	QUASPEAK
3		440.310	-16.768	38.553	21.785	-24.215	46.000	QUASPEAK
4		587.750	-15.530	37.125	21.596	-24.404	46.000	QUASPEAK
5		677.960	-15.120	36.388	21.268	-24.732	46.000	QUASPEAK
6		967.020	-12.848	43.067	30.220	-23.780	54.000	QUASPEAK

Note:

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

Above 1GHz Spurious

Site : CB1	Time : 2013/09/30 - 17:41
Limit : FCC_SpartC_15.247_H_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	Power : AC120V/60Hz
EUT : 802.11ac Dual Band Router	Note : 802.11b_2412MHz

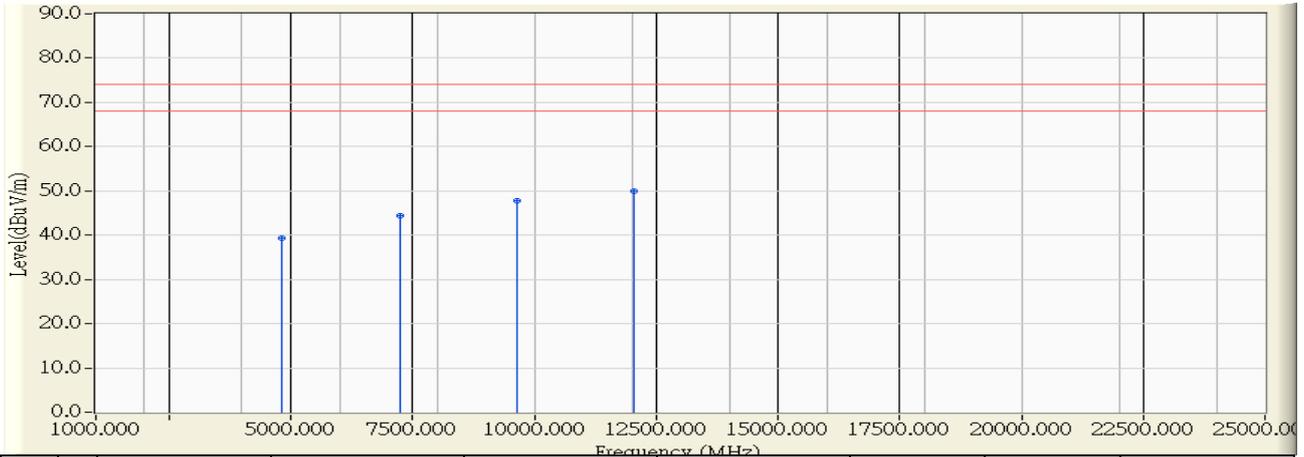


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	4824.000	-0.617	40.070	39.453	-34.547	74.000	PEAK
2	7236.000	5.445	39.790	45.235	-28.765	74.000	PEAK
3	9648.000	9.226	38.860	48.086	-25.914	74.000	PEAK
4	* 12060.000	11.115	38.180	49.295	-24.705	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 : 2013/09/30 - 17:44
Limit : FCC_SpartC_15.247_H_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	Power : AC120V/60Hz
EUT : 802.11ac Dual Band Router	Note : 802.11b_2412MHz

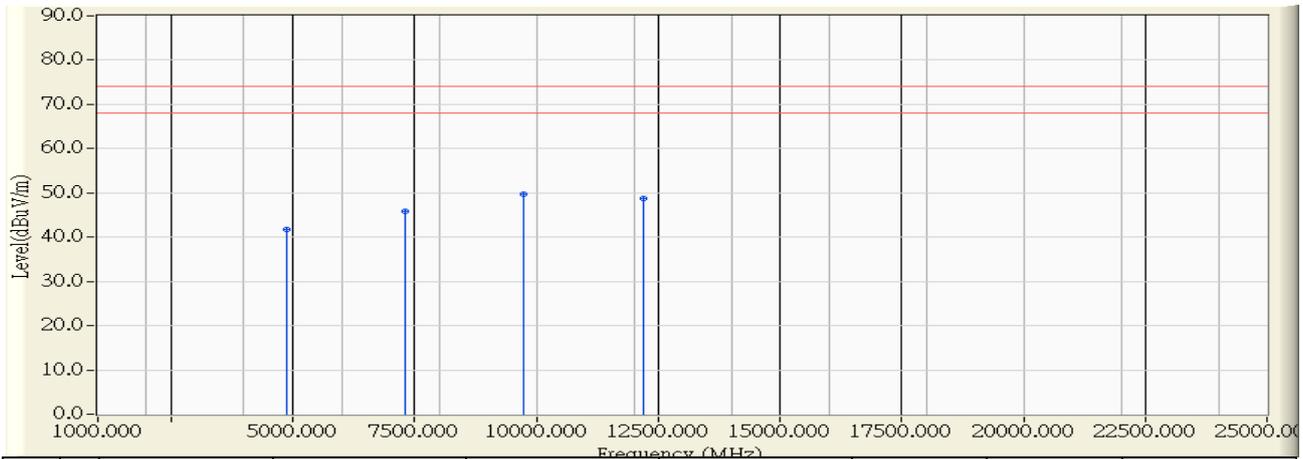


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	4824.000	-0.617	39.960	39.343	-34.657	74.000	PEAK
2	7236.000	5.445	38.930	44.375	-29.625	74.000	PEAK
3	9648.000	9.226	38.530	47.756	-26.244	74.000	PEAK
4	* 12060.000	11.115	38.760	49.875	-24.125	74.000	PEAK

Note:

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

Site : CB1	Time : 2013/09/30 - 17:47
Limit : FCC_SpartC_15.247_H_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	Power : AC120V/60Hz
EUT : 802.11ac Dual Band Router	Note : 802.11b_2437MHz

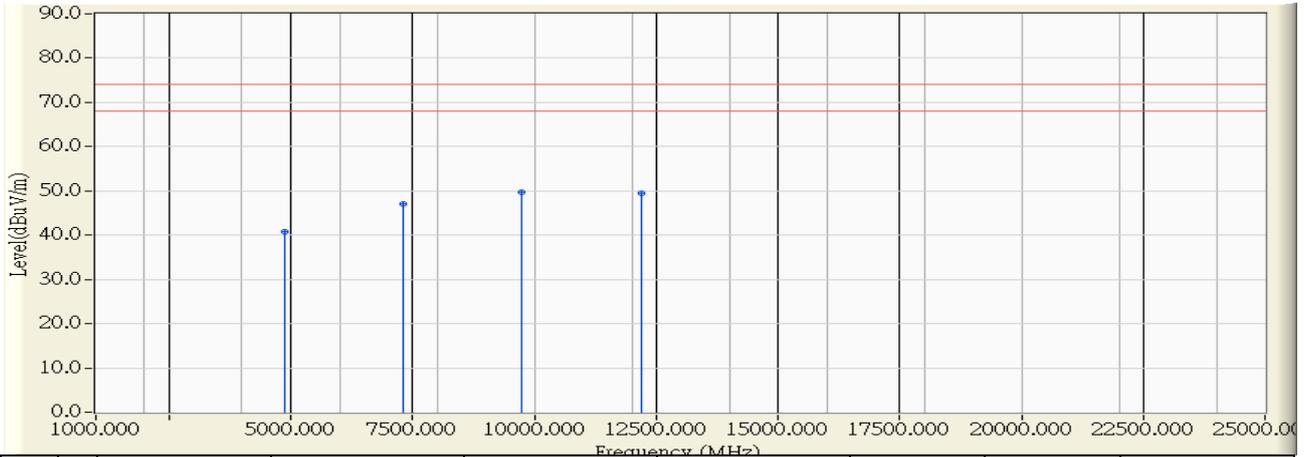


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	4874.000	-0.495	42.220	41.725	-32.275	74.000	PEAK
2	7311.000	5.608	40.280	45.887	-28.113	74.000	PEAK
3	* 9748.000	9.873	39.740	49.613	-24.387	74.000	PEAK
4	12185.000	11.058	37.760	48.818	-25.182	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 : 2013/09/30 - 17:50
Limit : FCC_SpartC_15.247_H_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	Power : AC120V/60Hz
EUT : 802.11ac Dual Band Router	Note : 802.11b_2437MHz

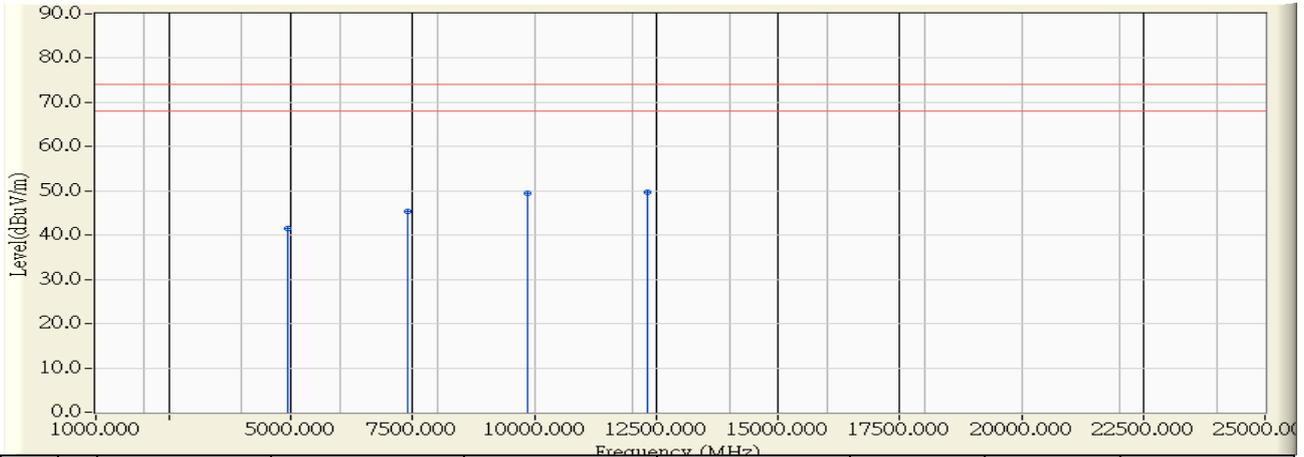


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	4874.000	-0.495	41.380	40.885	-33.115	74.000	PEAK
2	7311.000	5.608	41.560	47.167	-26.833	74.000	PEAK
3	* 9748.000	9.873	39.720	49.593	-24.407	74.000	PEAK
4	12185.000	11.058	38.480	49.538	-24.462	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 : 2013/09/30 - 17:54
Limit : FCC_SpartC_15.247_H_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	Power : AC120V/60Hz
EUT : 802.11ac Dual Band Router	Note : 802.11b_2462MHz

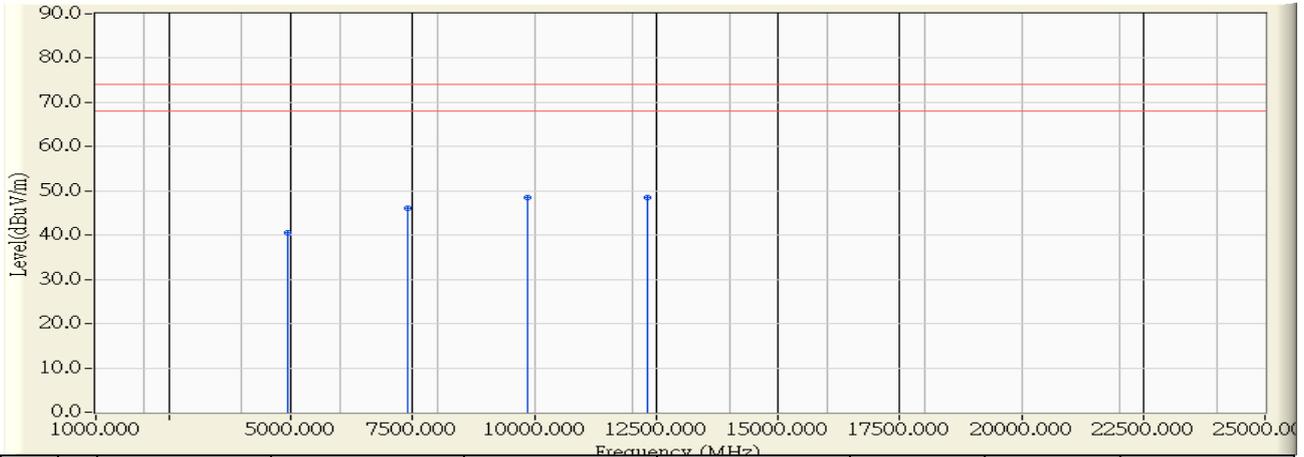


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	4924.000	-0.373	41.860	41.487	-32.513	74.000	PEAK
2	7386.000	5.770	39.570	45.340	-28.660	74.000	PEAK
3	9848.000	10.521	38.840	49.361	-24.639	74.000	PEAK
4	* 12310.000	11.001	38.780	49.781	-24.219	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 : 2013/09/30 - 17:57
Limit : FCC_SpartC_15.247_H_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	Power : AC120V/60Hz
EUT : 802.11ac Dual Band Router	Note : 802.11b_2462MHz

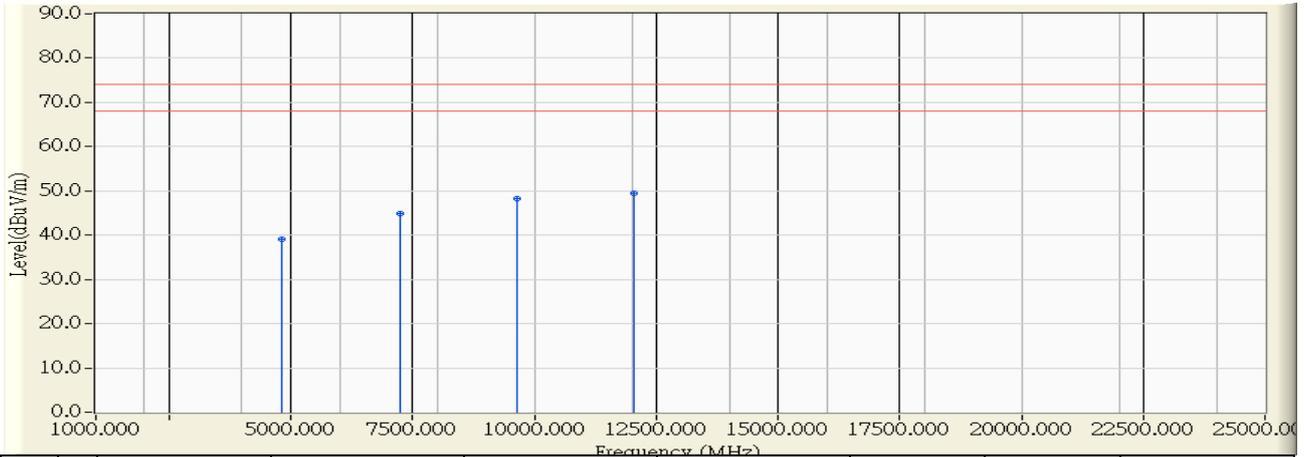


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	4924.000	-0.373	40.920	40.547	-33.453	74.000	PEAK
2	7386.000	5.770	40.290	46.060	-27.940	74.000	PEAK
3	* 9848.000	10.521	38.020	48.541	-25.459	74.000	PEAK
4	12310.000	11.001	37.520	48.521	-25.479	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 : 2013/09/30 - 18:00
Limit : FCC_SpartC_15.247_H_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	Power : AC120V/60Hz
EUT : 802.11ac Dual Band Router	Note : 802.11g_2412MHz

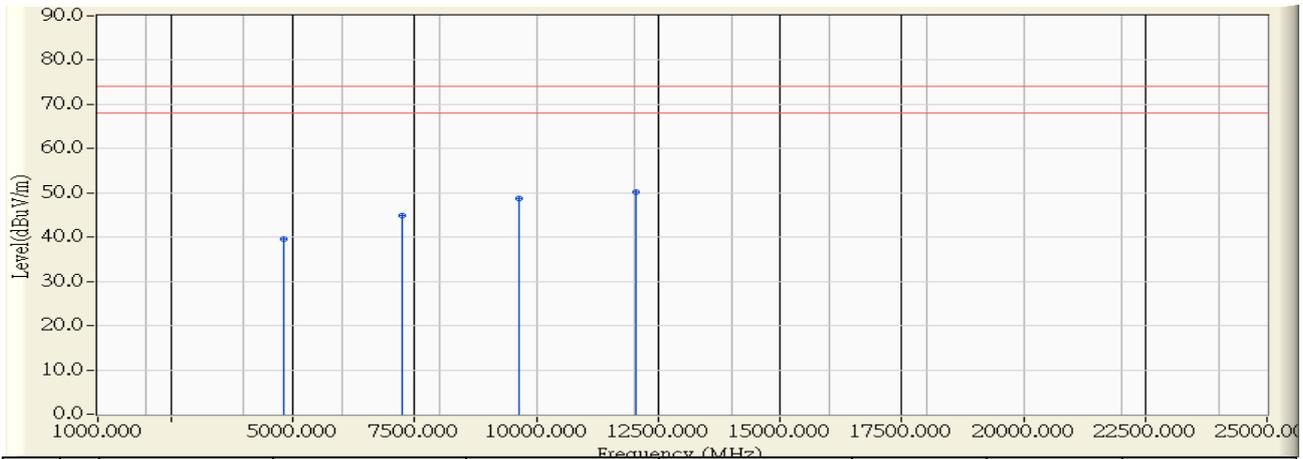


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	4824.000	-0.617	39.760	39.143	-34.857	74.000	PEAK
2	7236.000	5.445	39.510	44.955	-29.045	74.000	PEAK
3	9648.000	9.226	39.080	48.306	-25.694	74.000	PEAK
4	* 12060.000	11.115	38.340	49.455	-24.545	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 : 2013/09/30 - 18:30
Limit : FCC_SpartC_15.247_H_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	Power : AC120V/60Hz
EUT : 802.11ac Dual Band Router	Note : 802.11g_2412MHz

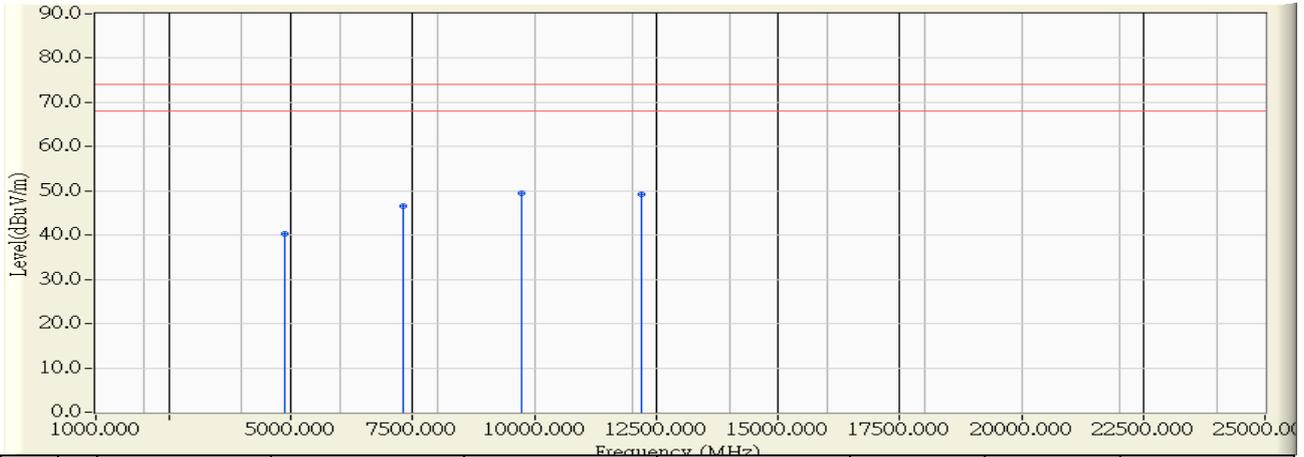


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	4824.000	-0.617	40.110	39.493	-34.507	74.000	PEAK
2	7236.000	5.445	39.450	44.895	-29.105	74.000	PEAK
3	9648.000	9.226	39.590	48.816	-25.184	74.000	PEAK
4	* 12060.000	11.115	39.090	50.205	-23.795	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 : 2013/09/30 - 18:33
Limit : FCC_SpartC_15.247_H_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	Power : AC120V/60Hz
EUT : 802.11ac Dual Band Router	Note : 802.11g_2437MHz

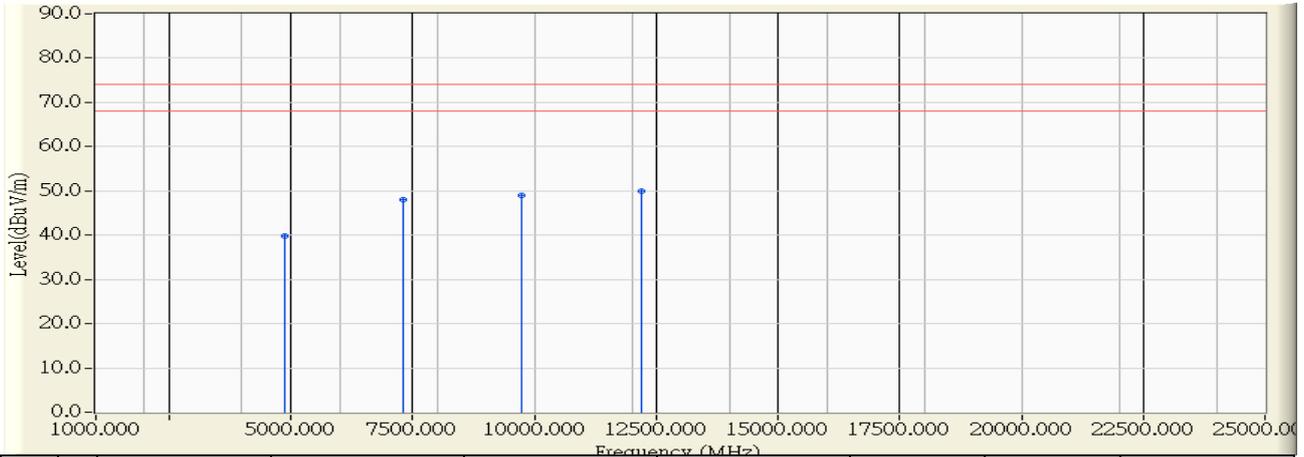


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	4874.000	-0.495	40.840	40.345	-33.655	74.000	PEAK
2	7311.000	5.608	40.900	46.507	-27.493	74.000	PEAK
3	* 9748.000	9.873	39.630	49.503	-24.497	74.000	PEAK
4	12185.000	11.058	38.200	49.258	-24.742	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 : 2013/09/30 - 18:35
Limit : FCC_SpartC_15.247_H_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	Power : AC120V/60Hz
EUT : 802.11ac Dual Band Router	Note : 802.11g_2437MHz

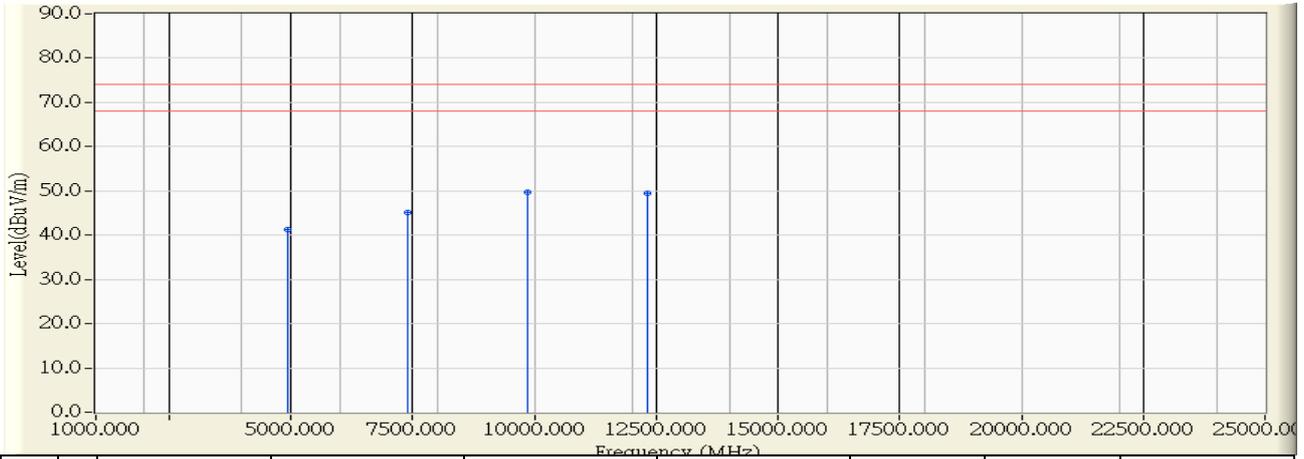


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	4874.000	-0.495	40.360	39.865	-34.135	74.000	PEAK
2	7311.000	5.608	42.470	48.077	-25.923	74.000	PEAK
3	9748.000	9.873	39.100	48.973	-25.027	74.000	PEAK
4	* 12185.000	11.058	38.940	49.998	-24.002	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 : 2013/09/30 - 18:39
Limit : FCC_SpartC_15.247_H_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	Power : AC120V/60Hz
EUT : 802.11ac Dual Band Router	Note : 802.11g_2462MHz

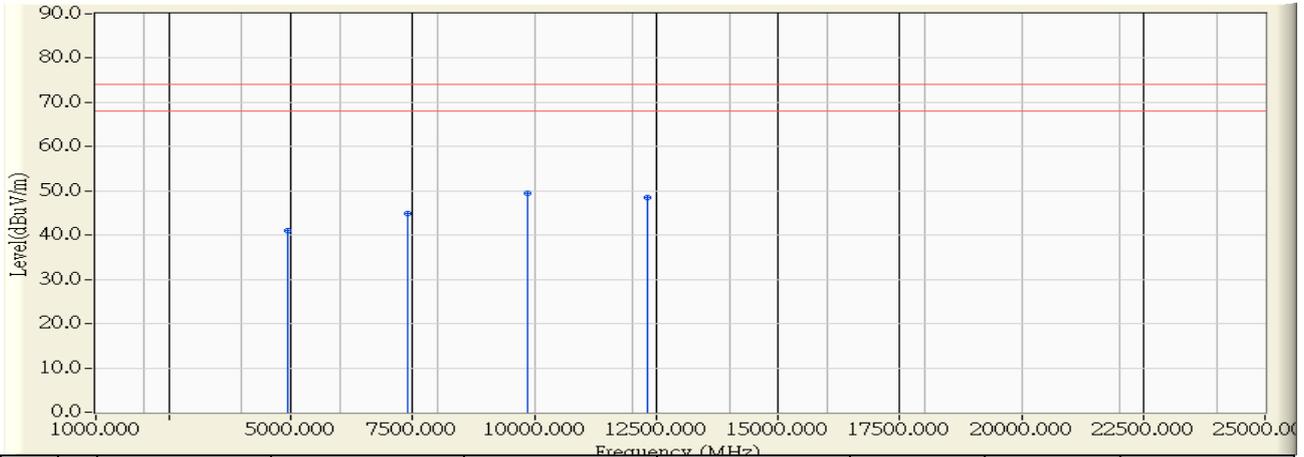


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	4924.000	-0.373	41.670	41.297	-32.703	74.000	PEAK
2	7386.000	5.770	39.250	45.020	-28.980	74.000	PEAK
3	* 9848.000	10.521	39.170	49.691	-24.309	74.000	PEAK
4	12310.000	11.001	38.500	49.501	-24.499	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 : 2013/09/30 - 18:42
Limit : FCC_SpartC_15.247_H_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	Power : AC120V/60Hz
EUT : 802.11ac Dual Band Router	Note : 802.11g_2462MHz

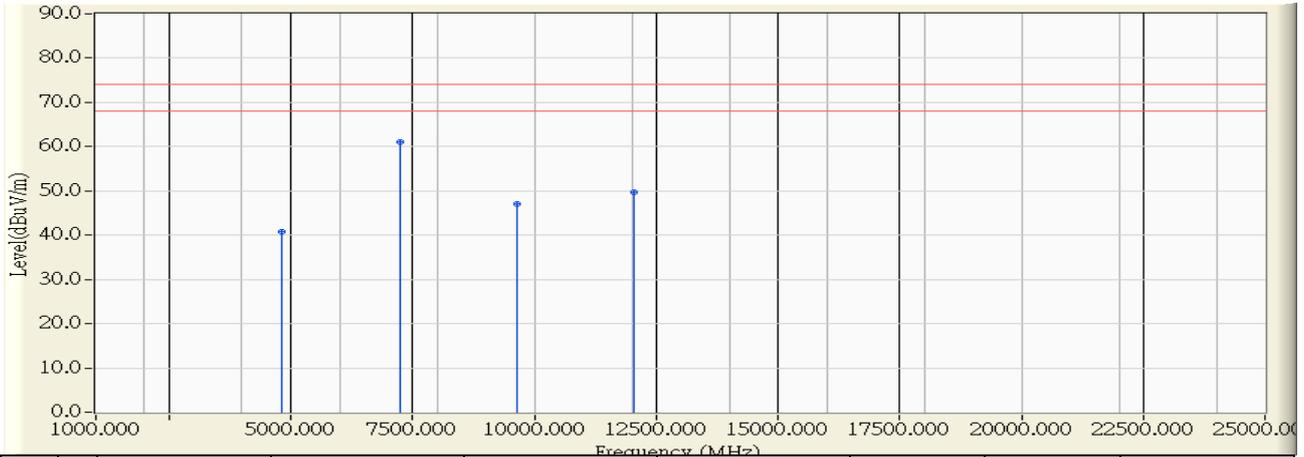


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	4924.000	-0.373	41.340	40.967	-33.033	74.000	PEAK
2	7386.000	5.770	39.080	44.850	-29.150	74.000	PEAK
3	* 9848.000	10.521	38.870	49.391	-24.609	74.000	PEAK
4	12310.000	11.001	37.470	48.471	-25.529	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 : 2013/09/30 - 18:46
Limit : FCC_SpartC_15.247_H_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	Power : AC120V/60Hz
EUT : 802.11ac Dual Band Router	Note : 802.11n20MHz_ 2412MHz

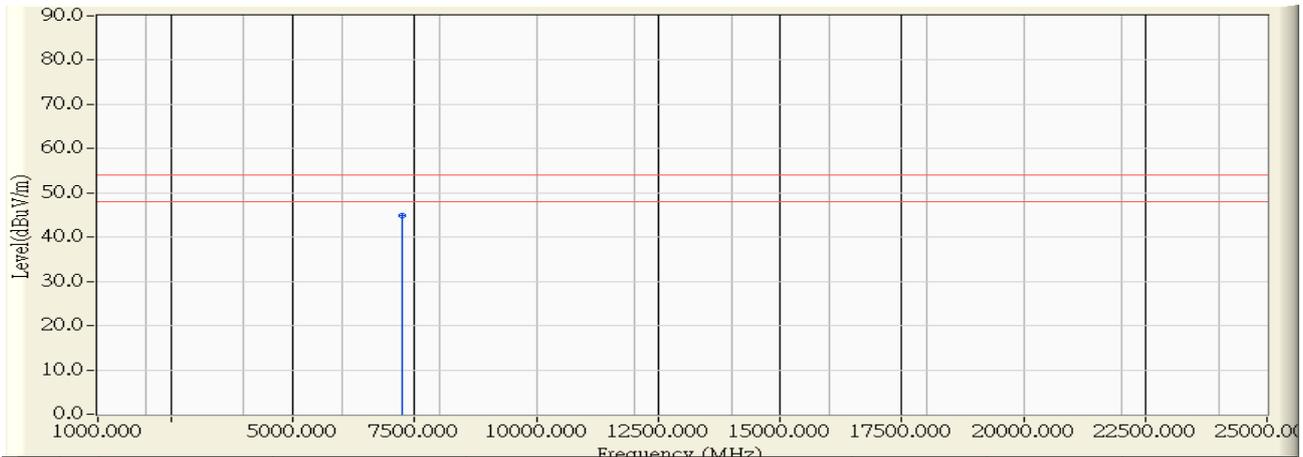


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	4824.000	-0.617	41.480	40.863	-33.137	74.000	PEAK
2	* 7236.000	5.445	55.680	61.125	-12.875	74.000	PEAK
3	9648.000	9.226	37.910	47.136	-26.864	74.000	PEAK
4	12060.000	11.115	38.590	49.705	-24.295	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 : 2013/09/30 - 18:46
Limit : FCC_SpartC_15.247_H_03M_AV	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	Power : AC120V/60Hz
EUT : 802.11ac Dual Band Router	Note : 802.11n20MHz_ 2412MHz

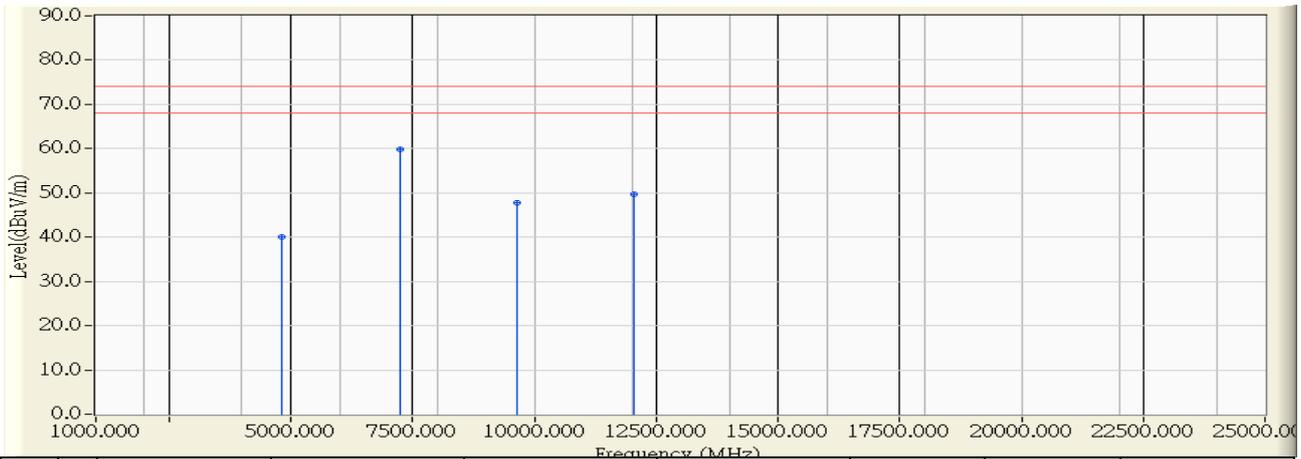


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	7236.000	5.445	39.490	44.935	-9.065	54.000	AVERAGE

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 : 2013/09/30 - 18:50
Limit : FCC_SpartC_15.247_H_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	Power : AC120V/60Hz
EUT : 802.11ac Dual Band Router	Note : 802.11n20MHz_ 2412MHz

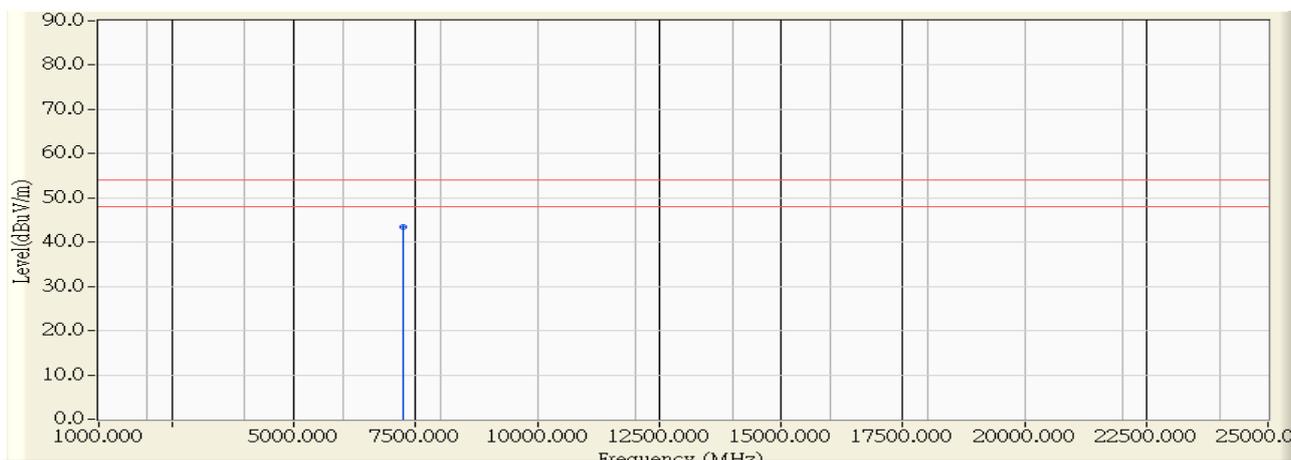


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	4824.000	-0.617	40.560	39.943	-34.057	74.000	PEAK
2	* 7236.000	5.445	54.410	59.855	-14.145	74.000	PEAK
3	9648.000	9.226	38.470	47.696	-26.304	74.000	PEAK
4	12060.000	11.115	38.500	49.615	-24.385	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 : 2013/09/30 - 18:51
Limit : FCC_SpartC_15.247_H_03M_AV	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	Power : AC120V/60Hz
EUT : 802.11ac Dual Band Router	Note : 802.11n20MHz_ 2412MHz

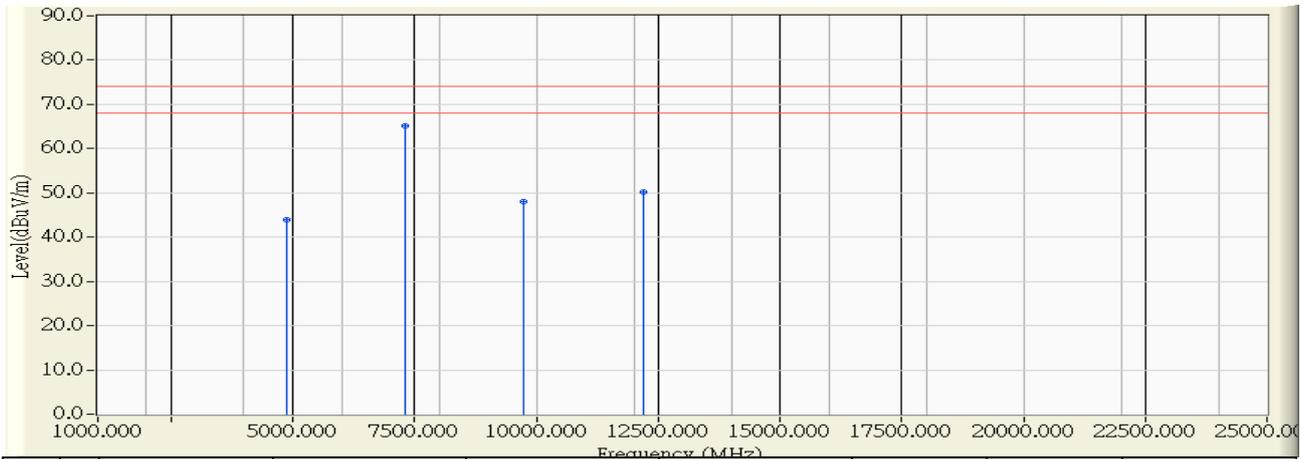


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	7236.000	5.445	38.035	43.480	-10.520	54.000	AVERAGE

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 : 2013/09/30 - 18:58
Limit : FCC_SpartC_15.247_H_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	Power : AC120V/60Hz
EUT : 802.11ac Dual Band Router	Note : 802.11n20MHz_ 2437MHz

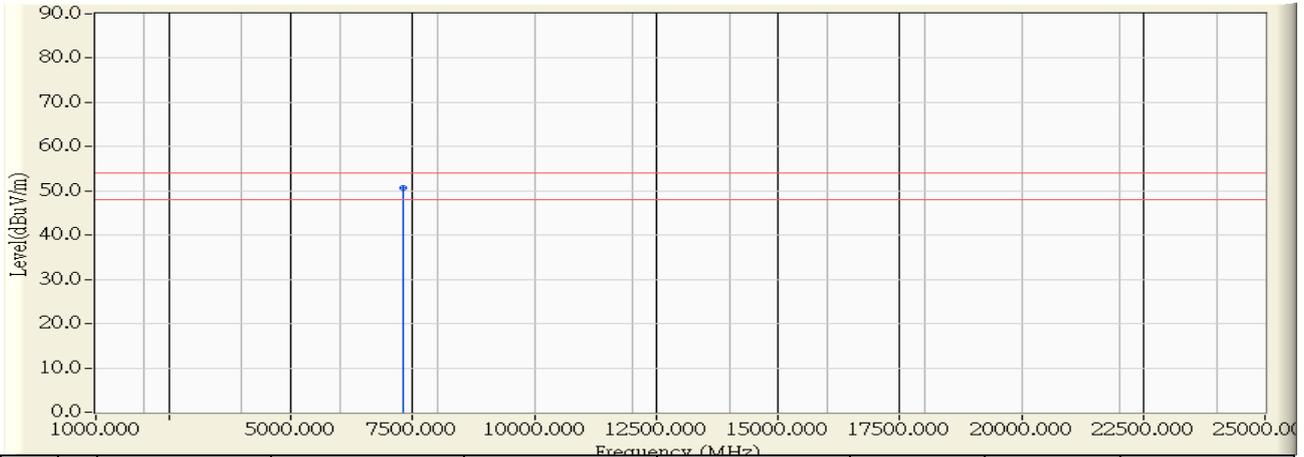


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	4874.000	-0.495	44.300	43.805	-30.195	74.000	PEAK
2	* 7311.000	5.608	59.440	65.047	-8.953	74.000	PEAK
3	9748.000	9.873	38.260	48.133	-25.867	74.000	PEAK
4	12185.000	11.058	39.050	50.108	-23.892	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 : 2013/09/30 - 18:59
Limit : FCC_SpartC_15.247_H_03M_AV	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	Power : AC120V/60Hz
EUT : 802.11ac Dual Band Router	Note : 802.11n20MHz_ 2437MHz

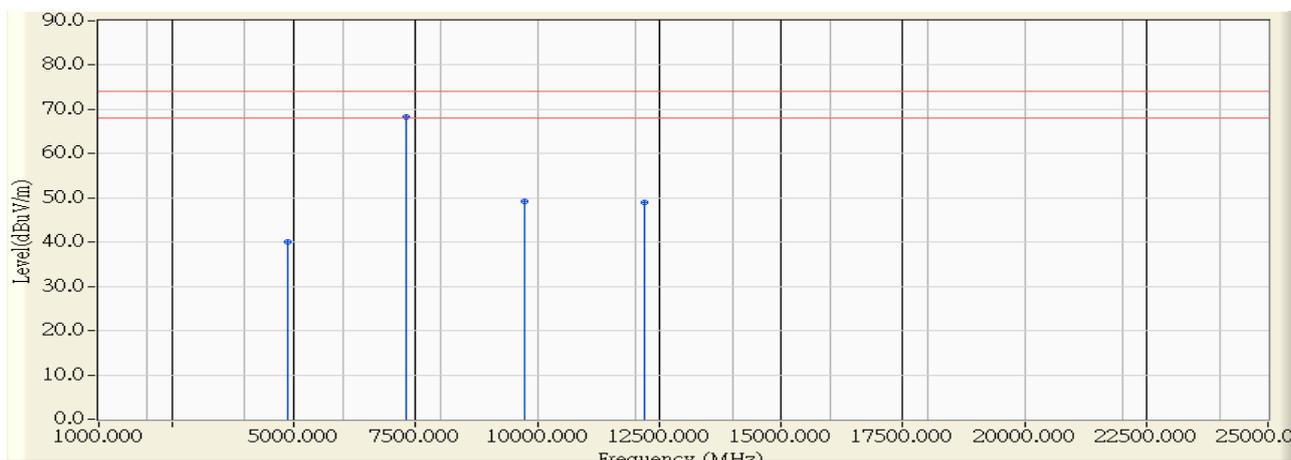


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	7311.000	5.608	44.980	50.587	-3.413	54.000	AVERAGE

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 : 2013/09/30 - 19:04
Limit : FCC_SpartC_15.247_H_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	Power : AC120V/60Hz
EUT : 802.11ac Dual Band Router	Note : 802.11n20MHz_ 2437MHz

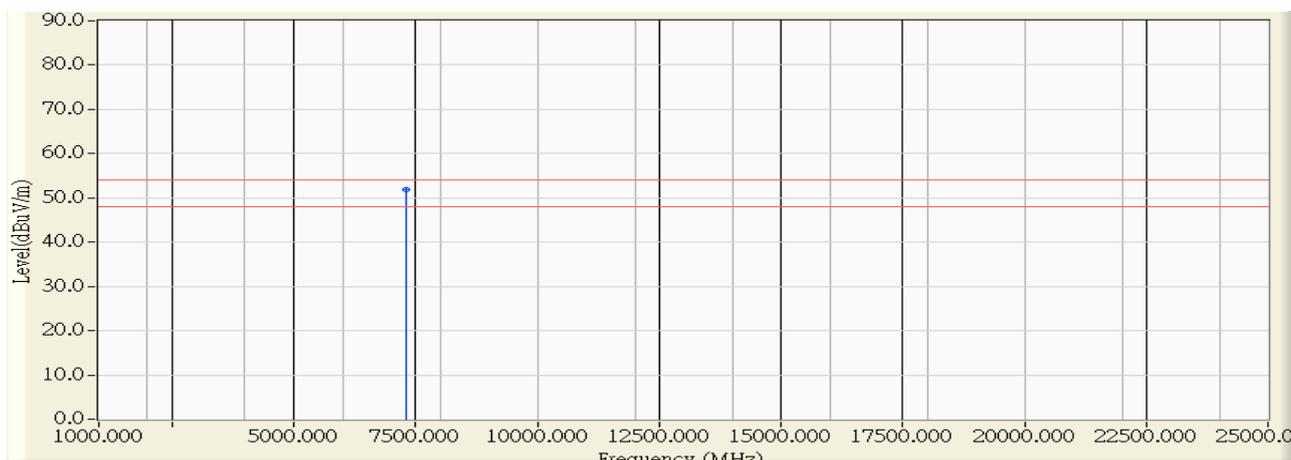


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	4874.000	-0.495	40.490	39.995	-34.005	74.000	PEAK
2	* 7311.000	5.608	62.760	68.367	-5.633	74.000	PEAK
3	9748.000	9.873	39.260	49.133	-24.867	74.000	PEAK
4	12185.000	11.058	38.020	49.078	-24.922	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 : 2013/09/30 - 19:04
Limit : FCC_SpartC_15.247_H_03M_AV	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	Power : AC120V/60Hz
EUT : 802.11ac Dual Band Router	Note : 802.11n20MHz_ 2437MHz

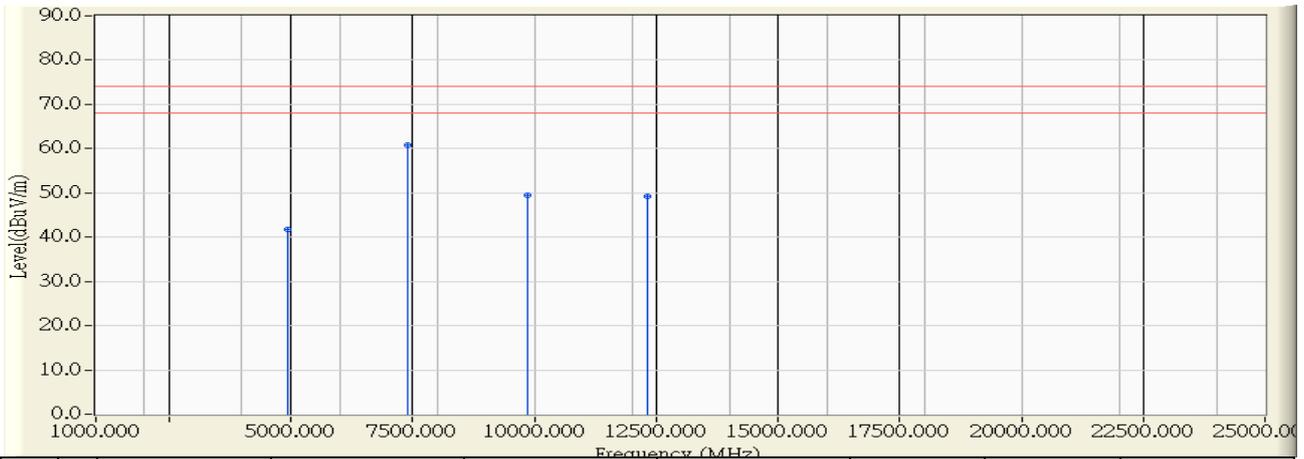


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	7311.000	5.608	46.180	51.787	-2.213	54.000	AVERAGE

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 : 2013/09/30 - 19:10
Limit : FCC_SpartC_15.247_H_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	Power : AC120V/60Hz
EUT : 802.11ac Dual Band Router	Note : 802.11n20MHz_ 2462MHz

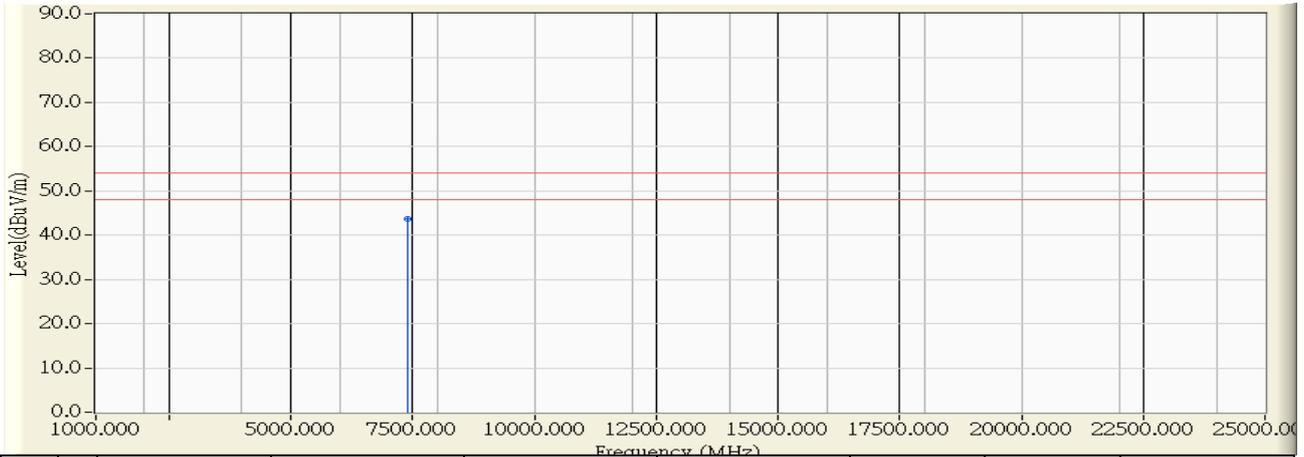


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	4924.000	-0.373	42.210	41.837	-32.163	74.000	PEAK
2	* 7386.000	5.770	54.980	60.750	-13.250	74.000	PEAK
3	9848.000	10.521	38.930	49.451	-24.549	74.000	PEAK
4	12310.000	11.001	38.120	49.121	-24.879	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 : 2013/09/30 - 19:10
Limit : FCC_SpartC_15.247_H_03M_AV	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	Power : AC120V/60Hz
EUT : 802.11ac Dual Band Router	Note : 802.11n20MHz_ 2462MHz

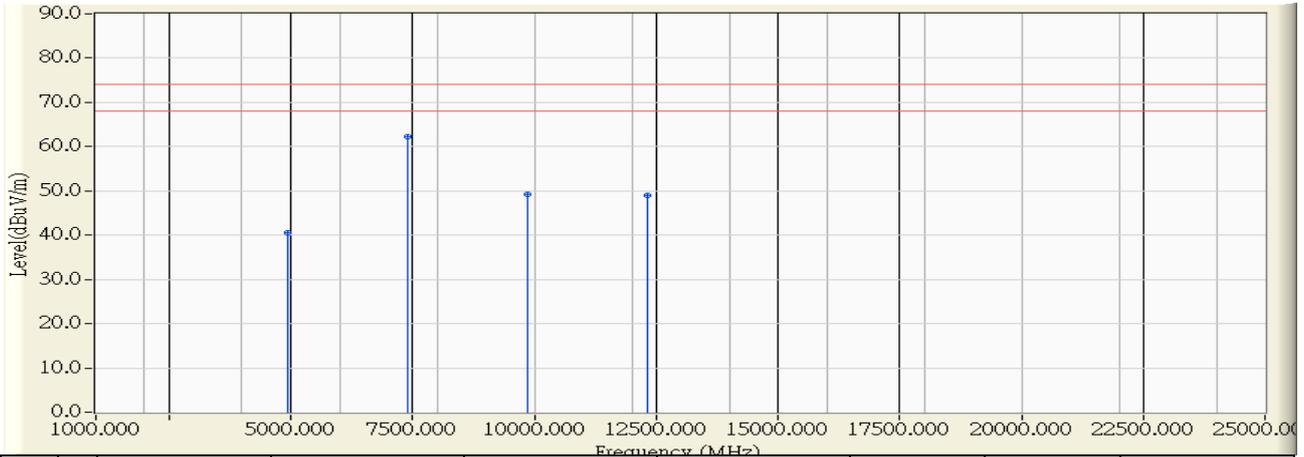


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	7386.000	5.770	37.932	43.702	-10.298	54.000	AVERAGE

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 : 2013/09/30 - 19:14
Limit : FCC_SpartC_15.247_H_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	Power : AC120V/60Hz
EUT : 802.11ac Dual Band Router	Note : 802.11n20MHz_ 2462MHz

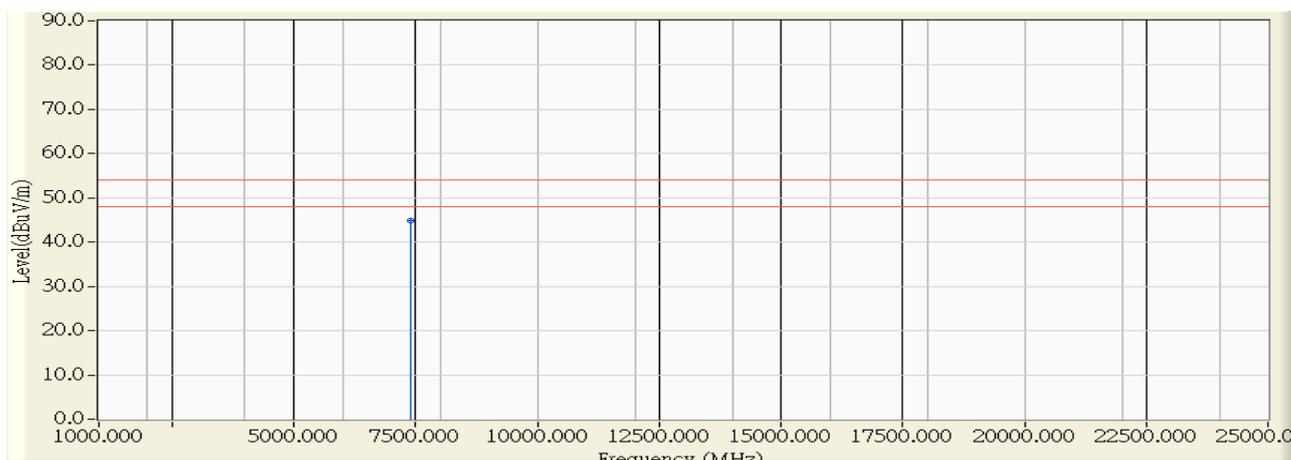


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	4924.000	-0.373	40.870	40.497	-33.503	74.000	PEAK
2	* 7386.000	5.770	56.430	62.200	-11.800	74.000	PEAK
3	9848.000	10.521	38.590	49.111	-24.889	74.000	PEAK
4	12310.000	11.001	37.910	48.911	-25.089	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 : 2013/09/30 - 19:14
Limit : FCC_SpartC_15.247_H_03M_AV	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	Power : AC120V/60Hz
EUT : 802.11ac Dual Band Router	Note : 802.11n20MHz_2462MHz

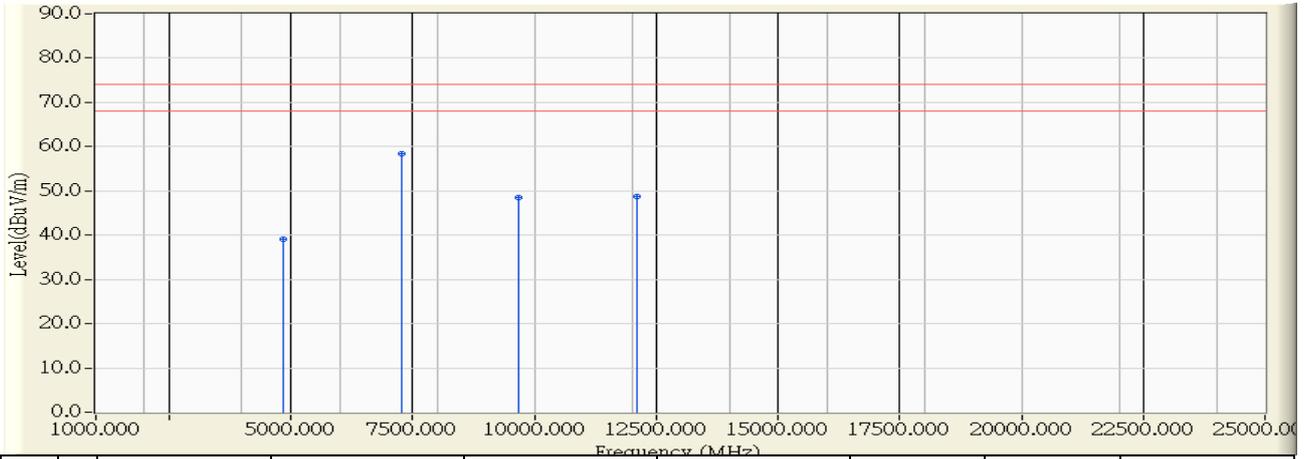


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	7386.000	5.770	39.130	44.900	-9.100	54.000	AVERAGE

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 : 2013/09/30 - 19:17
Limit : FCC_SpartC_15.247_H_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	Power : AC120V/60Hz
EUT : 802.11ac Dual Band Router	Note : 802.11n40MHz_ 2422MHz

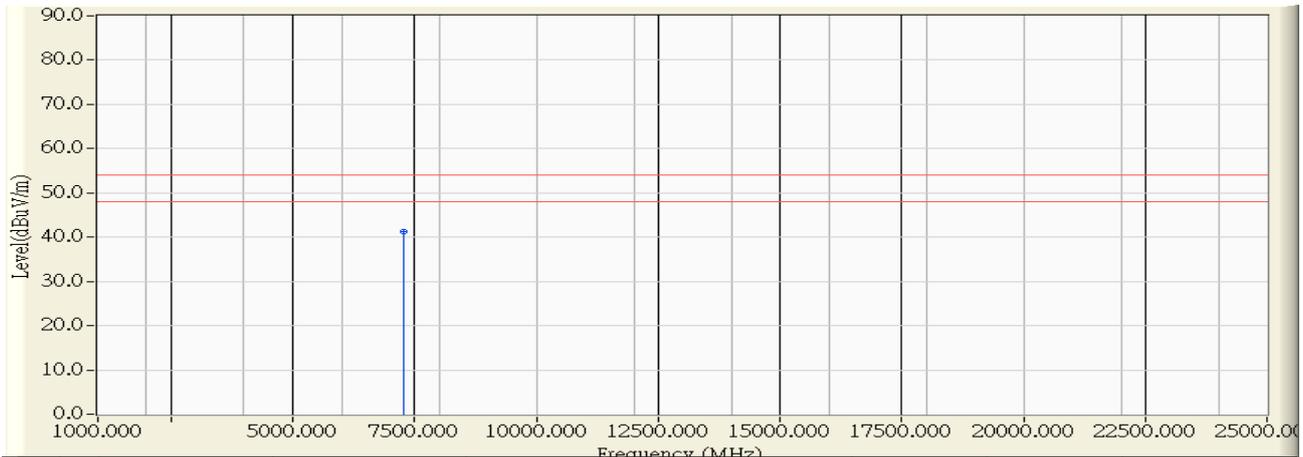


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	4844.000	-0.568	39.760	39.192	-34.808	74.000	PEAK
2	* 7266.000	5.510	52.770	58.280	-15.720	74.000	PEAK
3	9688.000	9.485	38.940	48.425	-25.575	74.000	PEAK
4	12110.000	11.093	37.740	48.833	-25.167	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 : 2013/09/30 - 19:17
Limit : FCC_SpartC_15.247_H_03M_AV	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	Power : AC120V/60Hz
EUT : 802.11ac Dual Band Router	Note : 802.11n40MHz_ 2422MHz

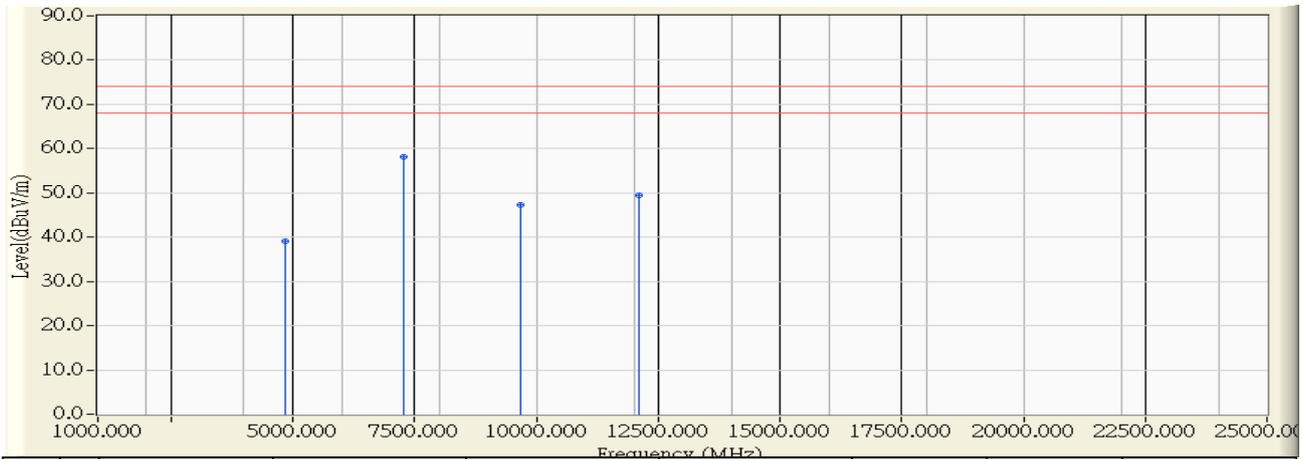


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	7266.000	5.510	35.690	41.200	-12.800	54.000	AVERAGE

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 : 2013/09/30 - 19:20
Limit : FCC_SpartC_15.247_H_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	Power : AC120V/60Hz
EUT : 802.11ac Dual Band Router	Note : 802.11n40MHz_ 2422MHz

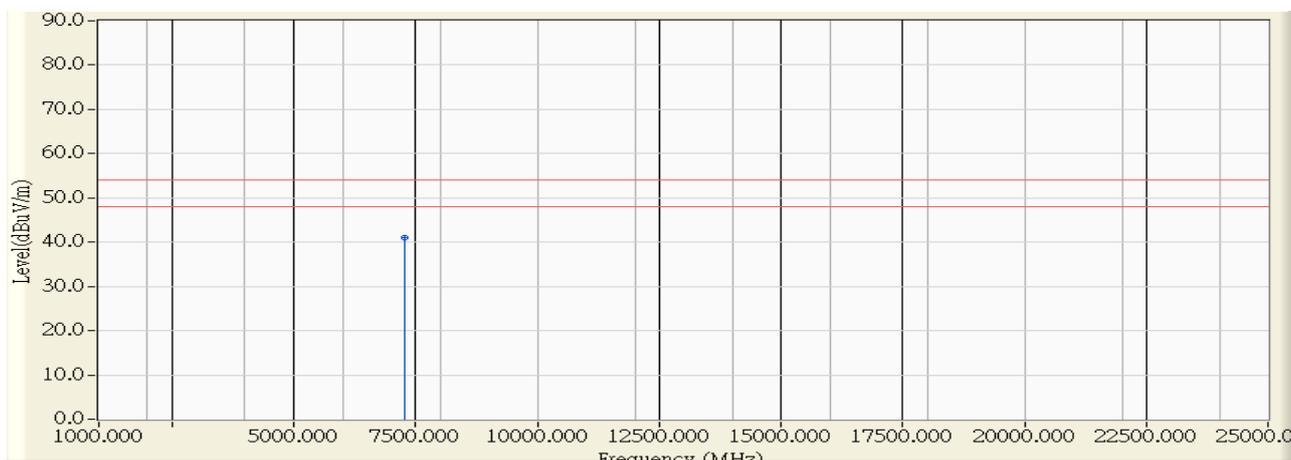


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	4844.000	-0.568	39.660	39.092	-34.908	74.000	PEAK
2	* 7266.000	5.510	52.600	58.110	-15.890	74.000	PEAK
3	9688.000	9.485	37.910	47.395	-26.605	74.000	PEAK
4	12110.000	11.093	38.260	49.353	-24.647	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 : 2013/09/30 - 19:20
Limit : FCC_SpartC_15.247_H_03M_AV	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	Power : AC120V/60Hz
EUT : 802.11ac Dual Band Router	Note : 802.11n40MHz_ 2422MHz

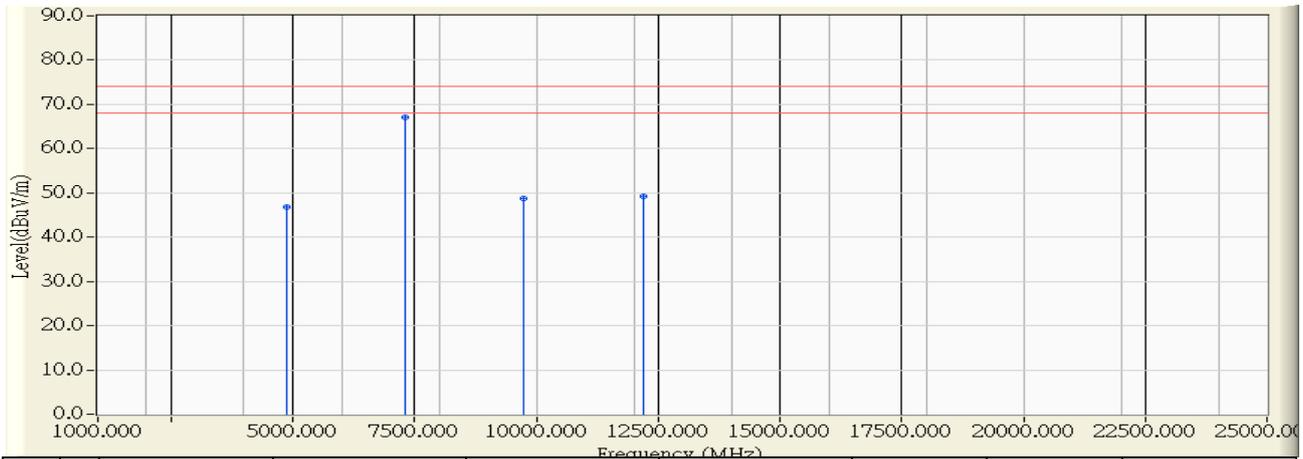


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	7266.000	5.510	35.465	40.975	-13.025	54.000	AVERAGE

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 : 2013/09/30 - 19:25
Limit : FCC_SpartC_15.247_H_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	Power : AC120V/60Hz
EUT : 802.11ac Dual Band Router	Note : 802.11n40MHz_ 2437MHz

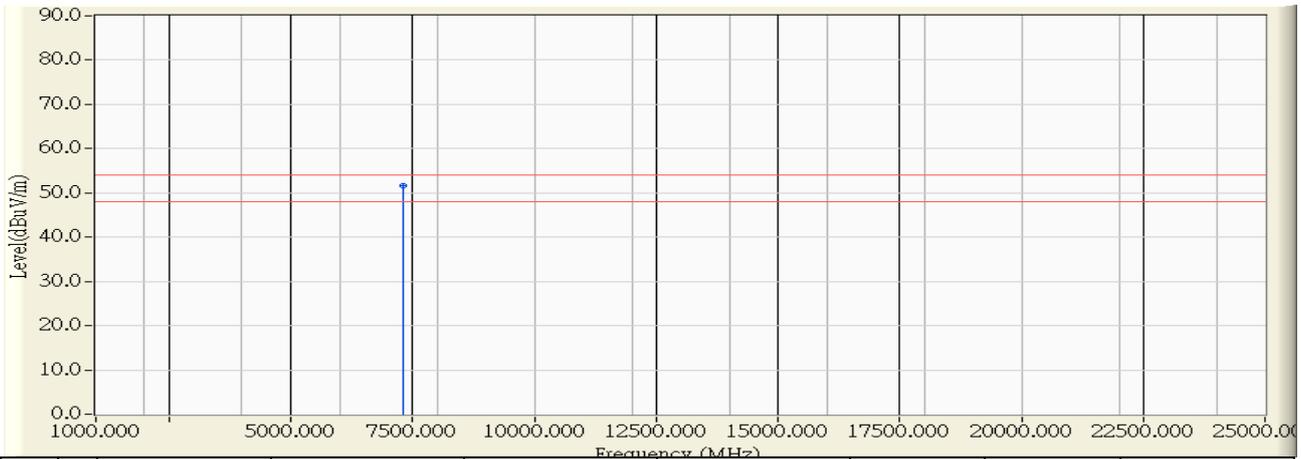


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	4874.000	-0.495	47.190	46.695	-27.305	74.000	PEAK
2	* 7311.000	5.608	61.450	67.057	-6.943	74.000	PEAK
3	9748.000	9.873	38.890	48.763	-25.237	74.000	PEAK
4	12185.000	11.058	38.050	49.108	-24.892	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 : 2013/09/30 - 19:26
Limit : FCC_SpartC_15.247_H_03M_AV	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	Power : AC120V/60Hz
EUT : 802.11ac Dual Band Router	Note : 802.11n40MHz_ 2437MHz

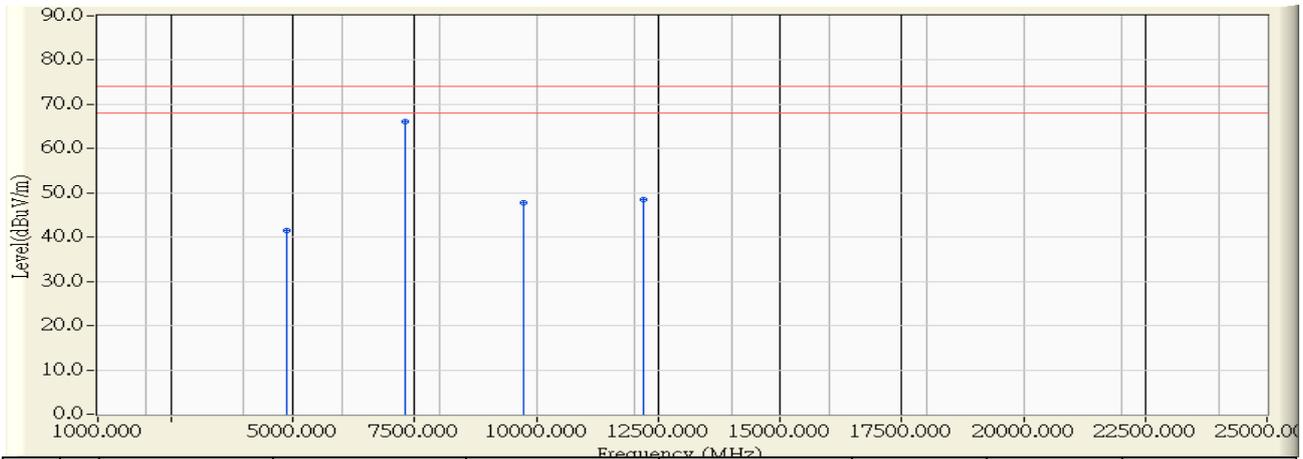


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	7311.000	5.608	45.133	50.740	-3.260	54.000	AVERAGE

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 : 2013/09/30 - 19:30
Limit : FCC_SpartC_15.247_H_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	Power : AC120V/60Hz
EUT : 802.11ac Dual Band Router	Note : 802.11n40MHz_ 2437MHz

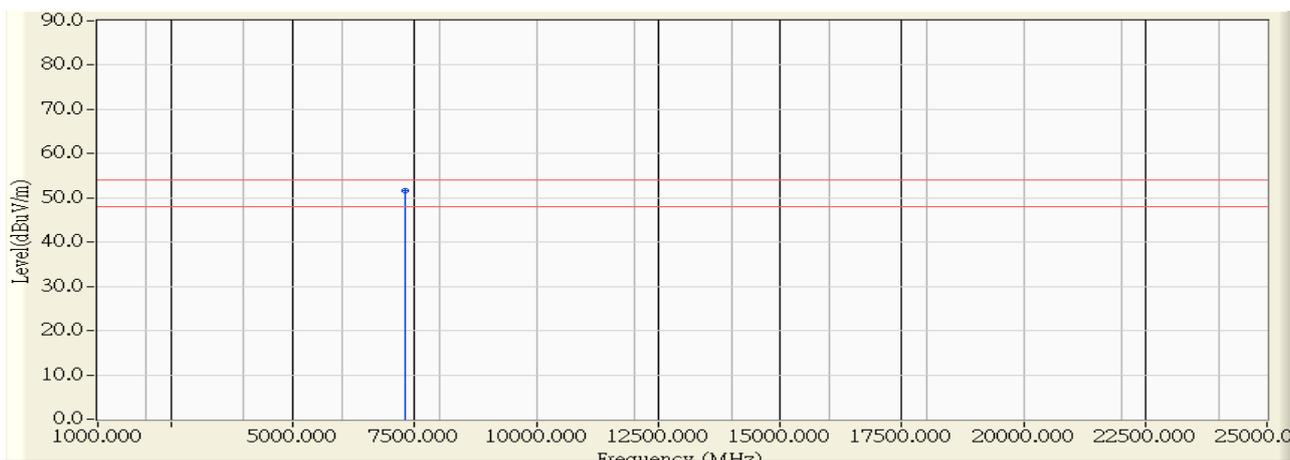


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	4874.000	-0.495	42.060	41.565	-32.435	74.000	PEAK
2	* 7311.000	5.608	60.580	66.187	-7.813	74.000	PEAK
3	9748.000	9.873	37.870	47.743	-26.257	74.000	PEAK
4	12185.000	11.058	37.370	48.428	-25.572	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 : 2013/09/30 - 19:31
Limit : FCC_SpartC_15.247_H_03M_AV	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	Power : AC120V/60Hz
EUT : 802.11ac Dual Band Router	Note : 802.11n40MHz_ 2437MHz

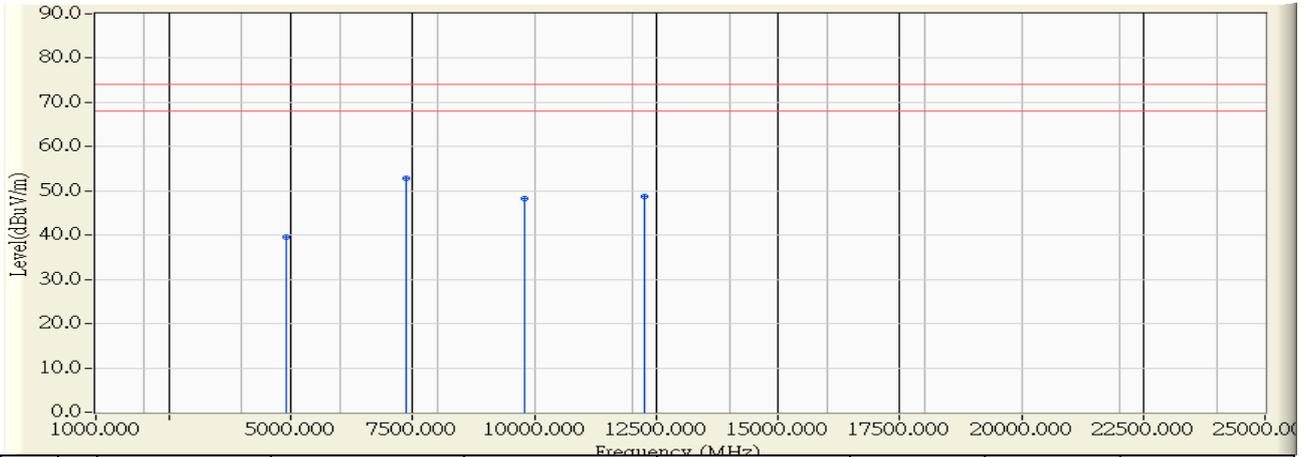


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	7311.000	5.608	46.040	51.647	-2.353	54.000	AVERAGE

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 : 2013/09/30 - 19:36
Limit : FCC_SpartC_15.247_H_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	Power : AC120V/60Hz
EUT : 802.11ac Dual Band Router	Note : 802.11n40MHz_2452MHz

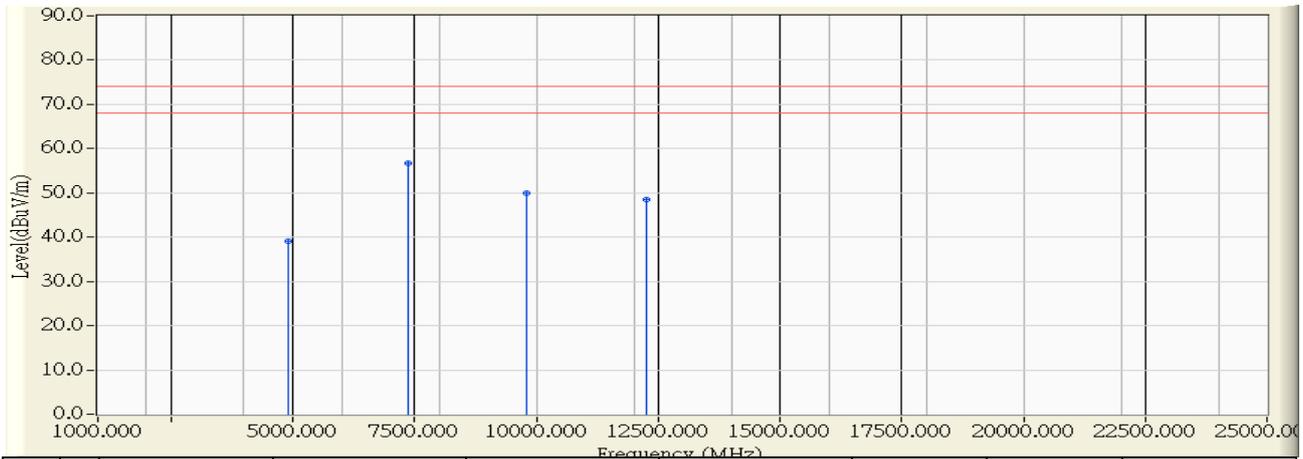


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	4904.000	-0.421	40.010	39.589	-34.411	74.000	PEAK
2	* 7356.000	5.705	47.200	52.905	-21.095	74.000	PEAK
3	9808.000	10.262	38.010	48.272	-25.728	74.000	PEAK
4	12260.000	11.024	37.640	48.664	-25.336	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 : 2013/09/30 - 19:38
Limit : FCC_SpartC_15.247_H_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	Power : AC120V/60Hz
EUT : 802.11ac Dual Band Router	Note : 802.11n40MHz_ 2452MHz

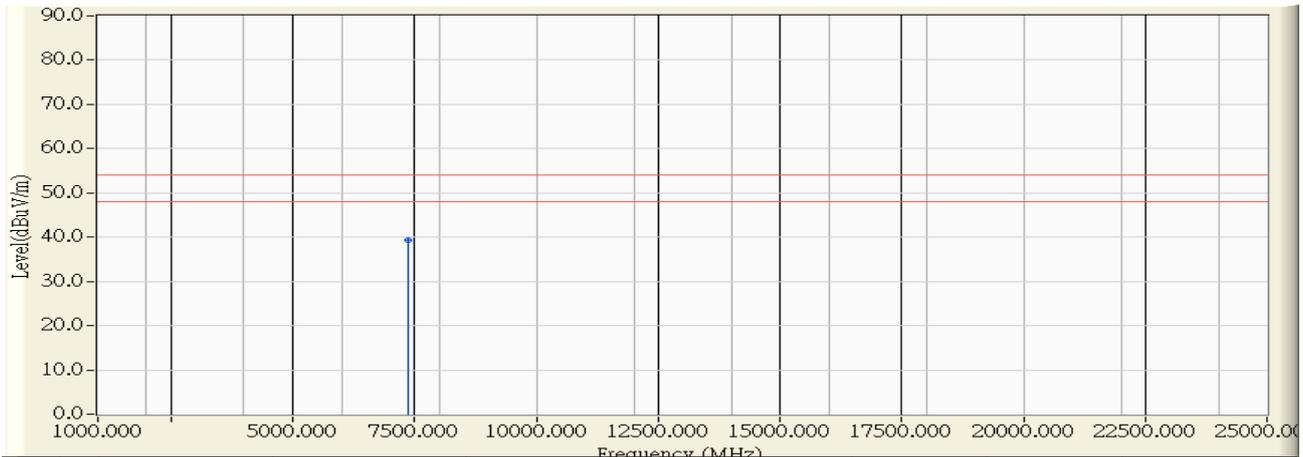


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	4904.000	-0.421	39.580	39.159	-34.841	74.000	PEAK
2	* 7356.000	5.705	51.060	56.765	-17.235	74.000	PEAK
3	9808.000	10.262	39.610	49.872	-24.128	74.000	PEAK
4	12260.000	11.024	37.460	48.484	-25.516	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 : 2013/09/30 - 19:38
Limit : FCC_SpartC_15.247_H_03M_AV	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	Power : AC120V/60Hz
EUT : 802.11ac Dual Band Router	Note : 802.11n40MHz_2452MHz

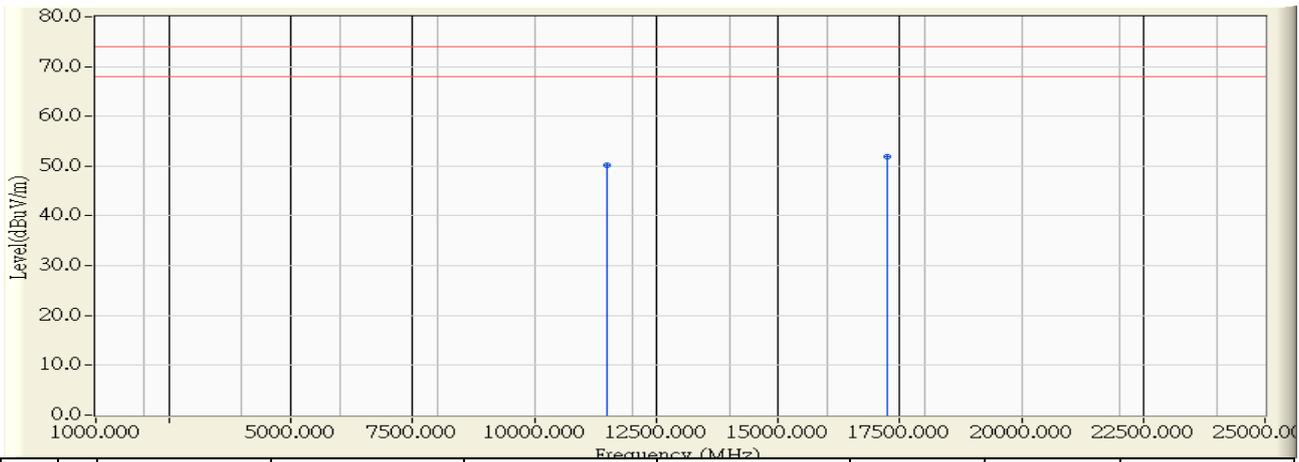


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	7356.000	5.705	33.720	39.425	-14.575	54.000	AVERAGE

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 : 2013/09/30 - 17:02
Limit : FCC_SpartC_15.247_H_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	Power : AC120V/60Hz
EUT : 802.11AC DUAL BAND ROUTER	Note : 802.11a_5745MHz

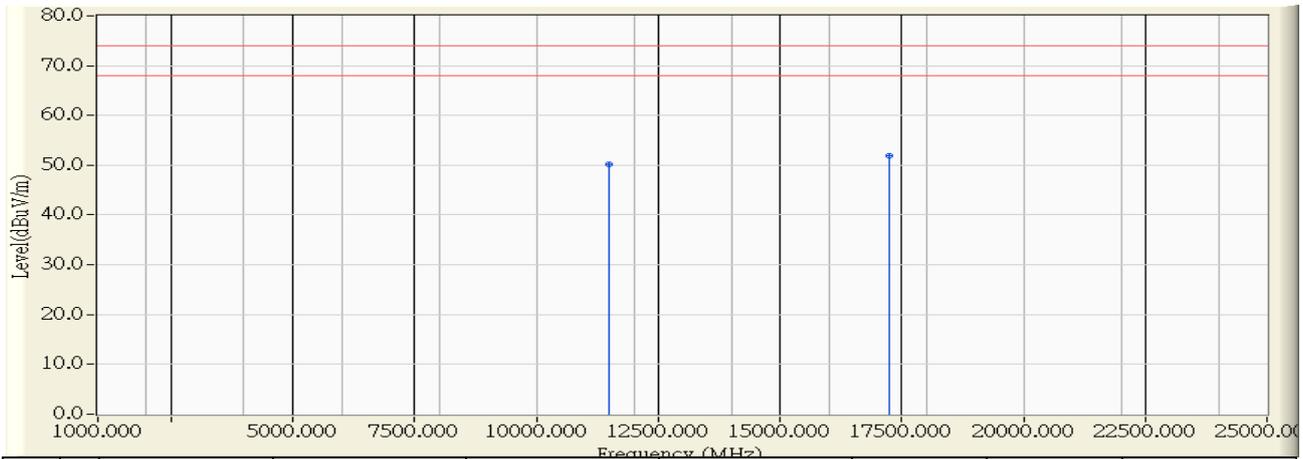


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	11490.000	11.534	38.710	50.243	-23.757	74.000	PEAK
2	* 17235.000	15.422	36.470	51.892	-22.108	74.000	PEAK

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 : 2013/09/30 - 17:03
Limit : FCC_SpartC_15.247_H_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	Power : AC120V/60Hz
EUT : 802.11AC DUAL BAND ROUTER	Note : 802.11a_5745MHz

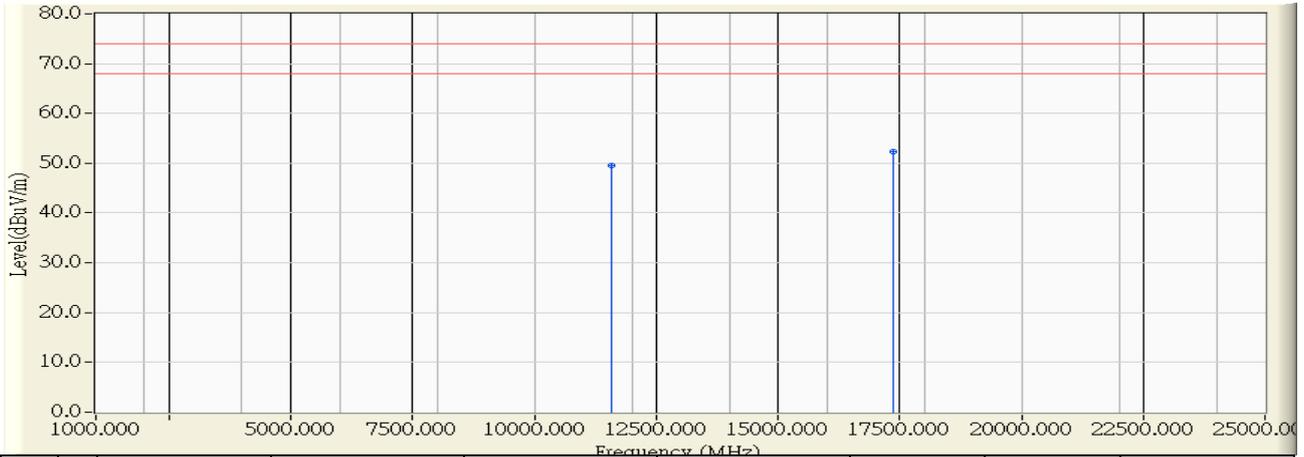


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	11490.000	11.534	38.600	50.133	-23.867	74.000	PEAK
2	* 17235.000	15.422	36.530	51.952	-22.048	74.000	PEAK

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 : 2013/09/30 - 17:05
Limit : FCC_SpartC_15.247_H_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	Power : AC120V/60Hz
EUT : 802.11AC DUAL BAND ROUTER	Note : 802.11a_5785MHz

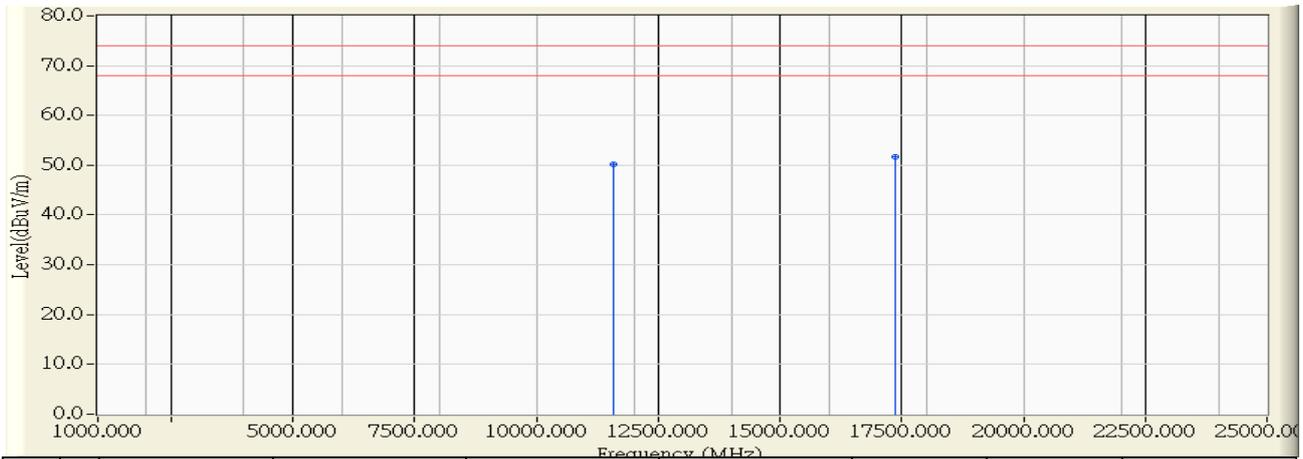


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	11570.000	11.477	38.110	49.587	-24.413	74.000	PEAK
2	* 17355.000	15.974	36.390	52.364	-21.636	74.000	PEAK

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 : 2013/09/30 - 17:07
Limit : FCC_SpartC_15.247_H_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	Power : AC120V/60Hz
EUT : 802.11AC DUAL BAND ROUTER	Note : 802.11a_5785MHz

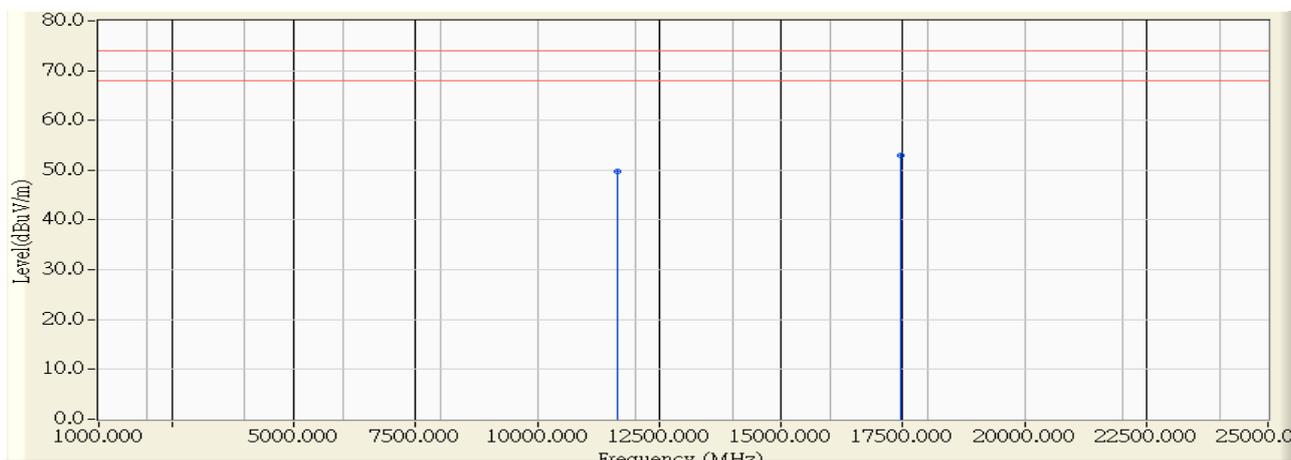


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	11570.000	11.477	38.720	50.197	-23.803	74.000	PEAK
2	* 17355.000	15.974	35.680	51.654	-22.346	74.000	PEAK

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 : 2013/09/30 - 17:10
Limit : FCC_SpartC_15.247_H_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	Power : AC120V/60Hz
EUT : 802.11AC DUAL BAND ROUTER	Note : 802.11a_5825MHz

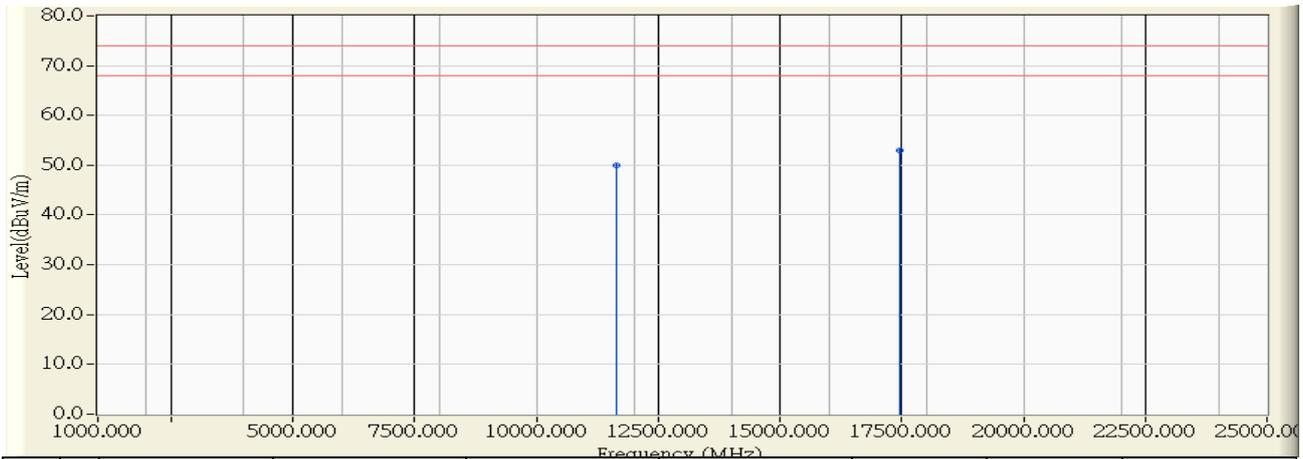


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	11650.000	11.415	38.430	49.845	-24.155	74.000	PEAK
2	* 17475.000	16.526	36.460	52.986	-21.014	74.000	PEAK

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 : 2013/09/30 - 17:12
Limit : FCC_SpartC_15.247_H_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	Power : AC120V/60Hz
EUT : 802.11AC DUAL BAND ROUTER	Note : 802.11a_5825MHz

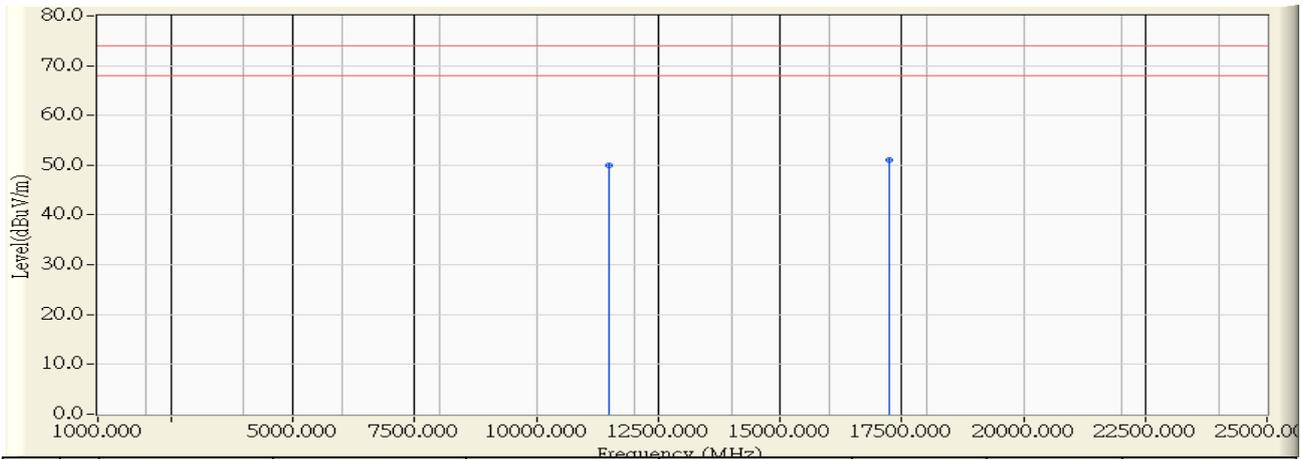


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	11650.000	11.415	38.620	50.035	-23.965	74.000	PEAK
2	* 17475.000	16.526	36.380	52.906	-21.094	74.000	PEAK

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 : 2013/09/30 - 17:13
Limit : FCC_SpartC_15.247_H_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	Power : AC120V/60Hz
EUT : 802.11AC DUAL BAND ROUTER	Note : 802.11n20MHz_ 5745MHz

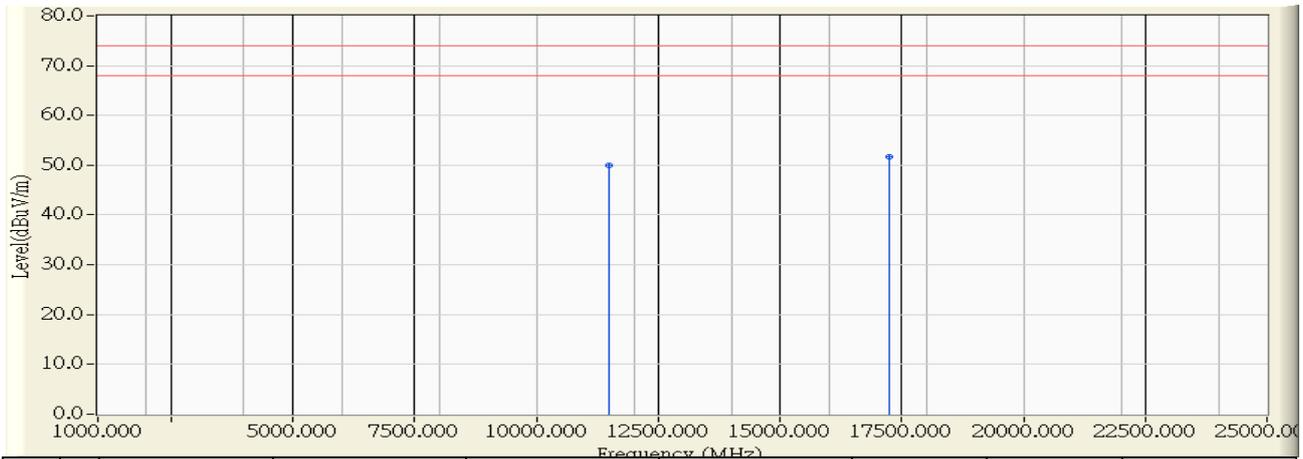


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	11490.000	11.534	38.340	49.873	-24.127	74.000	PEAK
2	* 17235.000	15.422	35.620	51.042	-22.958	74.000	PEAK

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 : 2013/09/30 - 17:14
Limit : FCC_SpartC_15.247_H_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	Power : AC120V/60Hz
EUT : 802.11AC DUAL BAND ROUTER	Note : 802.11n20MHz_ 5745MHz

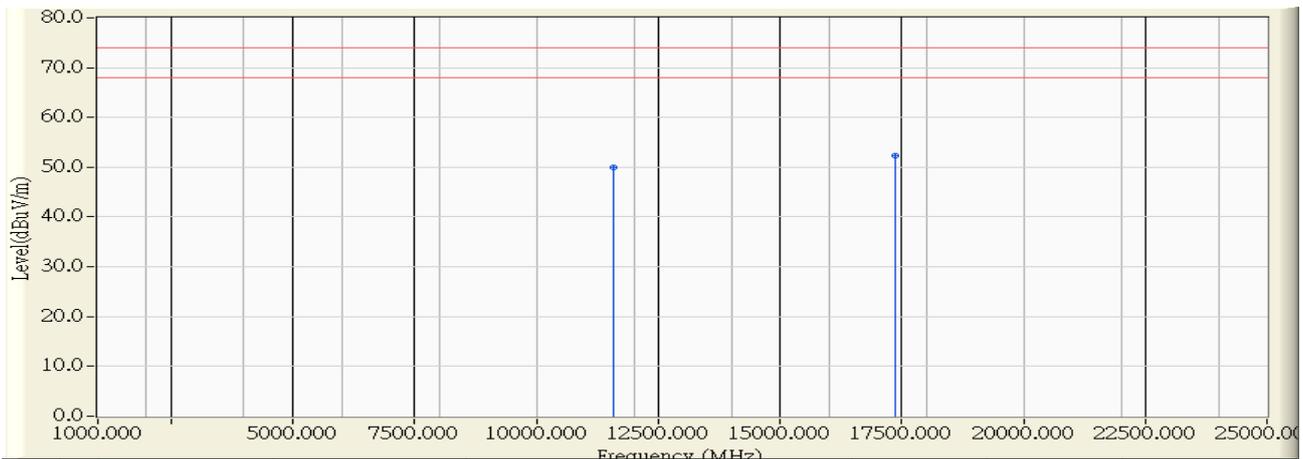


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	11490.000	11.534	38.400	49.933	-24.067	74.000	PEAK
2	* 17235.000	15.422	36.332	51.754	-22.246	74.000	PEAK

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 : 2013/09/30 - 17:16
Limit : FCC_SpartC_15.247_H_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	Power : AC120V/60Hz
EUT : 802.11AC DUAL BAND ROUTER	Note : 802.11n20MHz_ 5785MHz

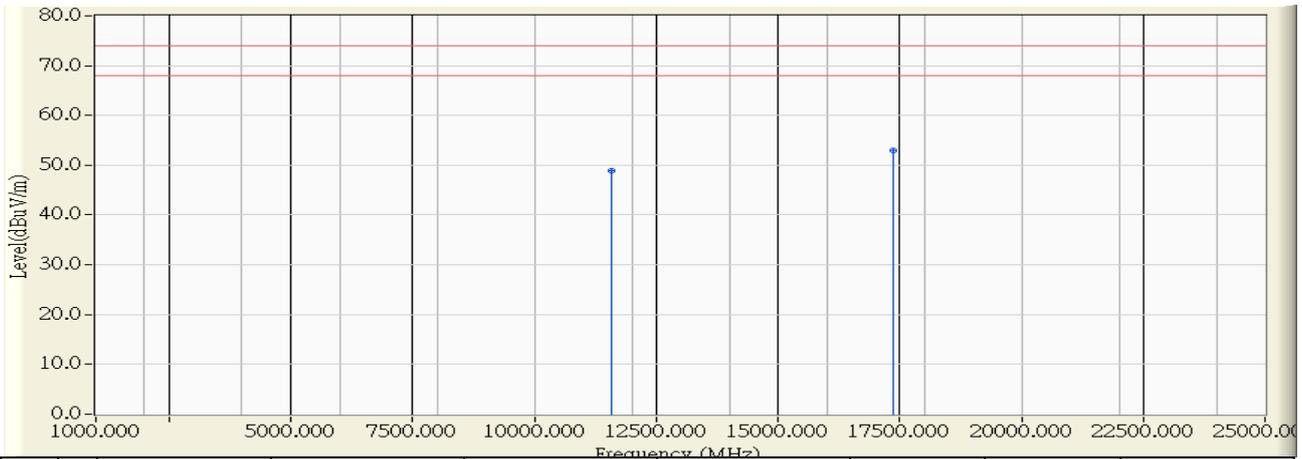


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	11570.000	11.477	38.390	49.867	-24.133	74.000	PEAK
2	* 17355.000	15.974	36.280	52.254	-21.746	74.000	PEAK

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 : 2013/09/30 - 17:17
Limit : FCC_SpartC_15.247_H_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	Power : AC120V/60Hz
EUT : 802.11AC DUAL BAND ROUTER	Note : 802.11n20MHz_ 5785MHz

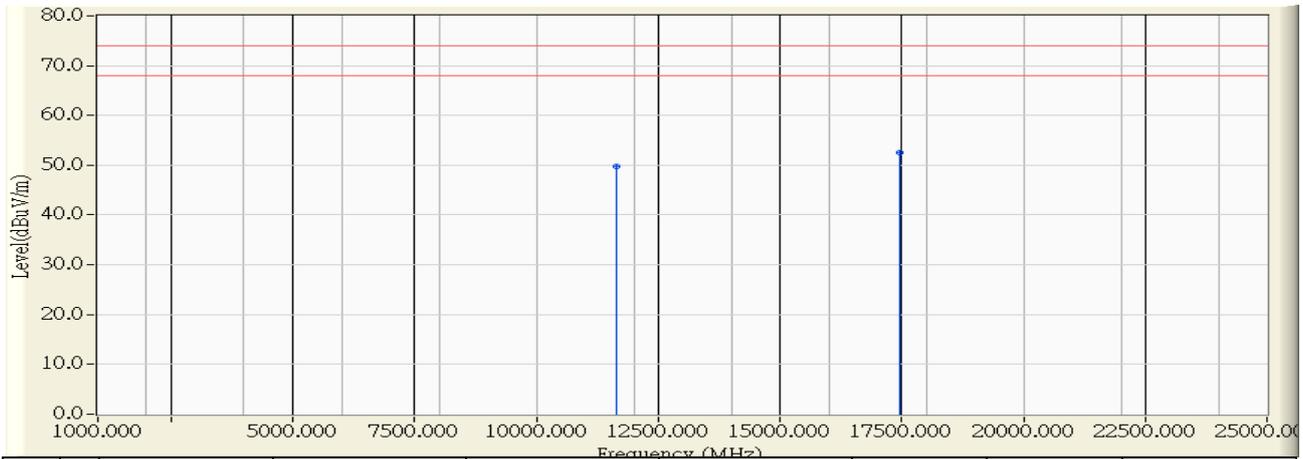


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	11570.000	11.477	37.400	48.877	-25.123	74.000	PEAK
2	* 17355.000	15.974	37.000	52.974	-21.026	74.000	PEAK

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 : 2013/09/30 - 17:19
Limit : FCC_SpartC_15.247_H_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	Power : AC120V/60Hz
EUT : 802.11AC DUAL BAND ROUTER	Note : 802.11n20MHz_ 5825MHz

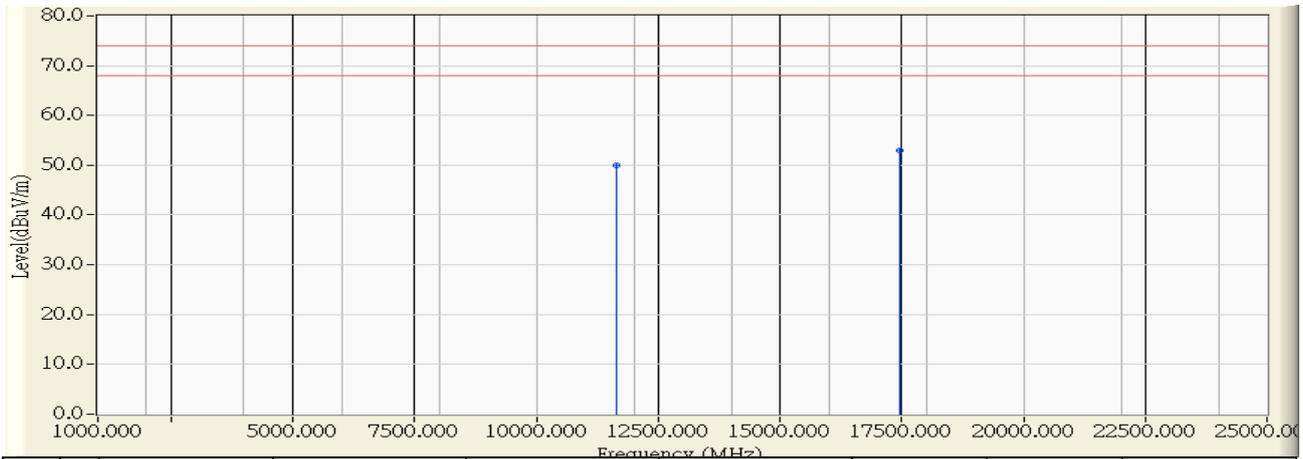


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	11650.000	11.415	38.380	49.795	-24.205	74.000	PEAK
2	* 17475.000	16.526	35.990	52.516	-21.484	74.000	PEAK

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 : 2013/09/30 - 17:21
Limit : FCC_SpartC_15.247_H_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	Power : AC120V/60Hz
EUT : 802.11AC DUAL BAND ROUTER	Note : 802.11n20MHz_ 5825MHz

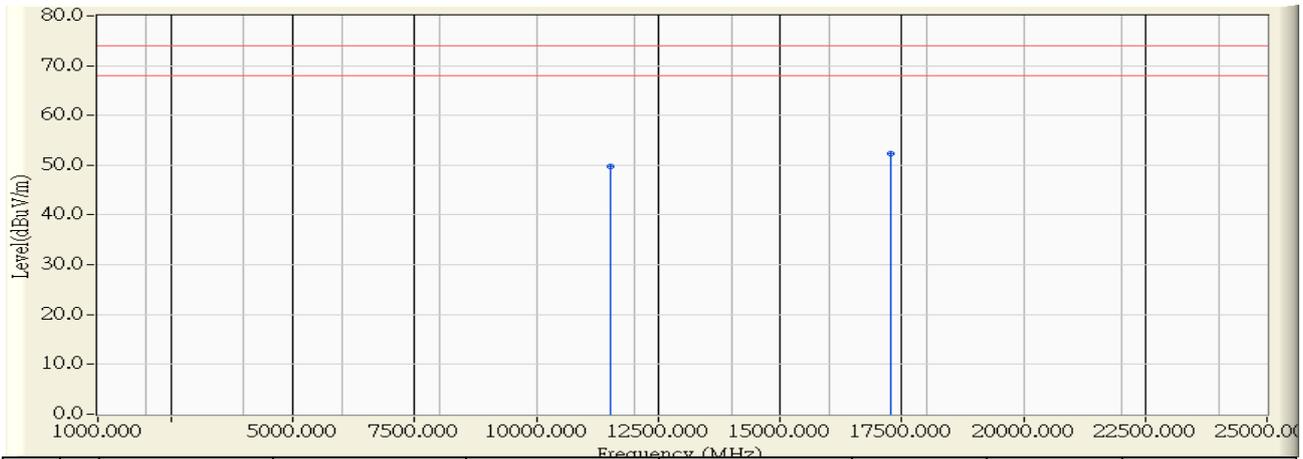


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	11650.000	11.415	38.500	49.915	-24.085	74.000	PEAK
2	* 17475.000	16.526	36.460	52.986	-21.014	74.000	PEAK

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 : 2013/09/30 - 17:23
Limit : FCC_SpartC_15.247_H_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	Power : AC120V/60Hz
EUT : 802.11AC DUAL BAND ROUTER	Note : 802.11n40MHz_ 5755MHz

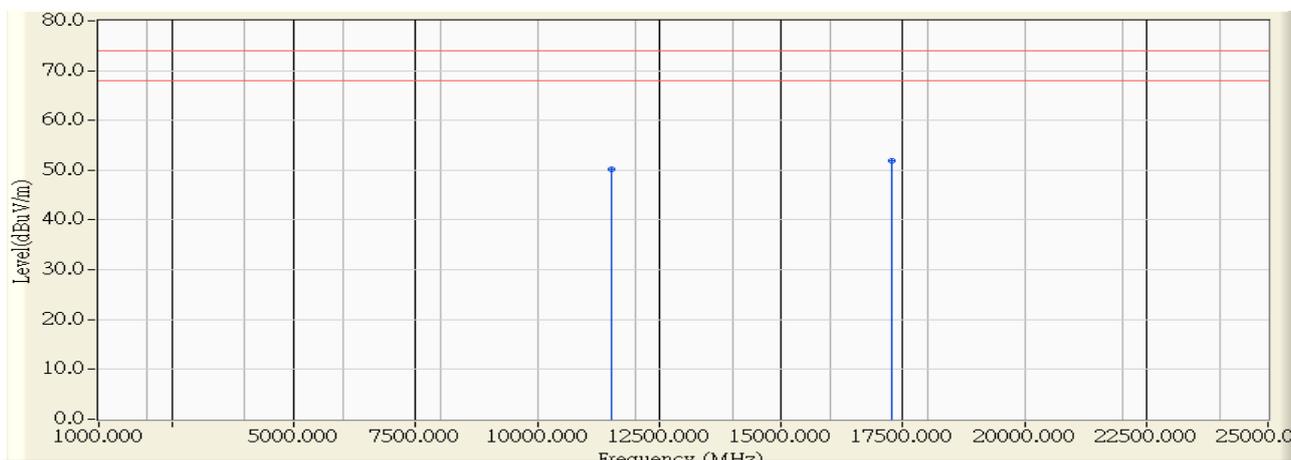


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	11510.000	11.523	38.190	49.713	-24.287	74.000	PEAK
2	* 17265.000	15.560	36.720	52.280	-21.720	74.000	PEAK

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 : 2013/09/30 - 17:25
Limit : FCC_SpartC_15.247_H_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	Power : AC120V/60Hz
EUT : 802.11AC DUAL BAND ROUTER	Note : 802.11n40MHz_ 5755MHz

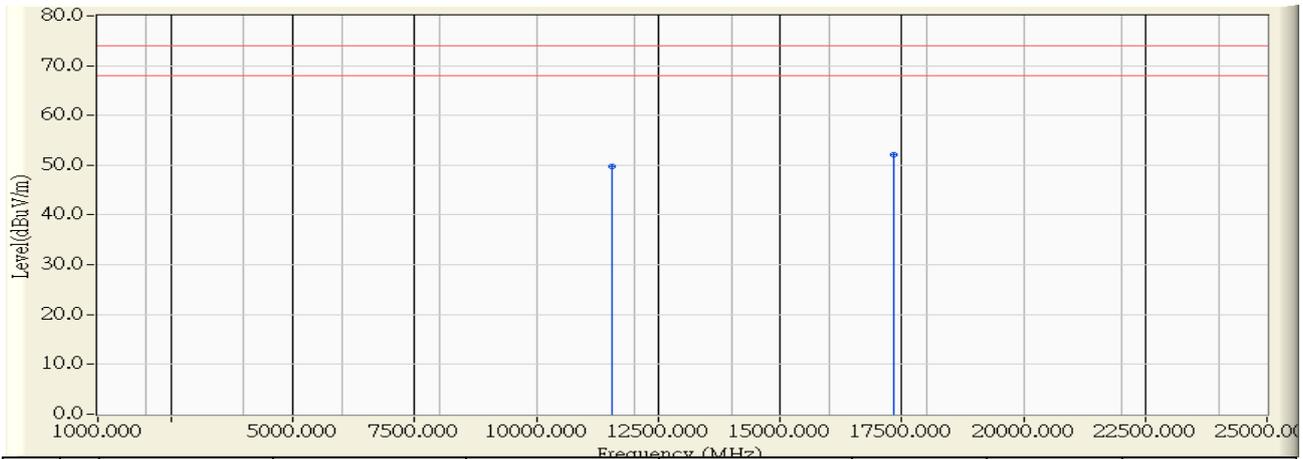


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	11510.000	11.523	38.720	50.243	-23.757	74.000	PEAK
2	* 17265.000	15.560	36.360	51.920	-22.080	74.000	PEAK

Note:

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

Site : CB1	Time : 2013/09/30 - 17:27
Limit : FCC_SpartC_15.247_H_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	Power : AC120V/60Hz
EUT : 802.11AC DUAL BAND ROUTER	Note : 802.11n40MHz_ 5795MHz

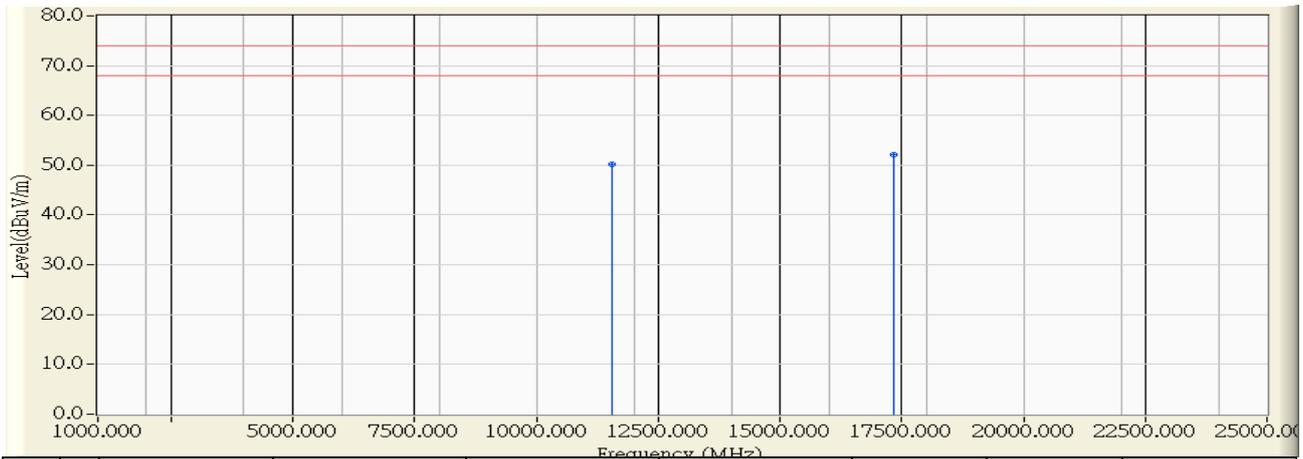


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	11550.000	11.492	38.340	49.832	-24.168	74.000	PEAK
2	* 17325.000	15.836	36.350	52.186	-21.814	74.000	PEAK

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 : 2013/09/30 - 17:29
Limit : FCC_SpartC_15.247_H_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	Power : AC120V/60Hz
EUT : 802.11AC DUAL BAND ROUTER	Note : 802.11n40MHz_ 5795MHz

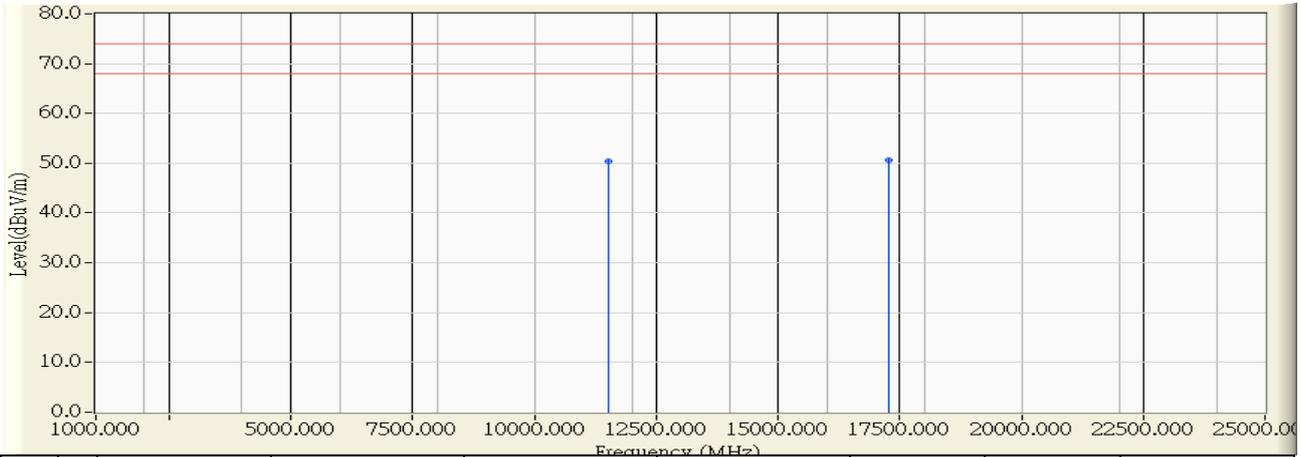


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	11550.000	11.492	38.700	50.192	-23.808	74.000	PEAK
2	* 17325.000	15.836	36.380	52.216	-21.784	74.000	PEAK

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 : 2013/09/30 - 17:30
Limit : FCC_SpartC_15.247_H_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	Power : AC120V/60Hz
EUT : 802.11AC DUAL BAND ROUTER	Note : 802.11ac80MHz_5775MHz



	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	11510.000	11.523	38.940	50.463	-23.537	74.000	PEAK
2	* 17265.000	15.560	35.030	50.590	-23.410	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.