FCC Test Report

Product Name ： Access Point

Model No. ： VigorAP820, VigorAP810, VigorAP710, VigorFly215

FCC ID. ： VGYVAP810

Applicant ： DrayTek Corp.

Address ： No.26 Fu Shing Rd., HuKou County, Hsin-Chu Industrial Park, Hsin-Chu, Taiwan 303 R.O.C.

Date of Receipt ： 2013/12/03

Issued Date ： 2014/01/22

Report No. ： 13C0398R-RFUSP27V00

Report Version ： V1.0

Test Report Certification

Issued Date : 2014/01/22
Report No. : 13C0398R-RFUSP27V00

QuieTek

Product Name	:	Access Point
Applicant	:	DrayTek Corp.
Address	:	No.26 Fu Shing Rd., HuKou County, Hsin-Chu Industrial Park, Hsin-Chu, Taiwan 303 R.O.C.
Manufacturer	:	DrayTek Corp.
Model No.	:	VigorAP820, VigorAP810, VigorAP710, VigorFly215
FCC ID.	:	VGYVAP810
EUT Voltage	:	AC 100-240V, 50-60Hz
Trade Name	:	DrayTek
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.
The test report shall not be reproduced except in full without the written approval of QuieTek Corporation.

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(Roy Wang / Director)

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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1. General Information

1.1. EUT Description

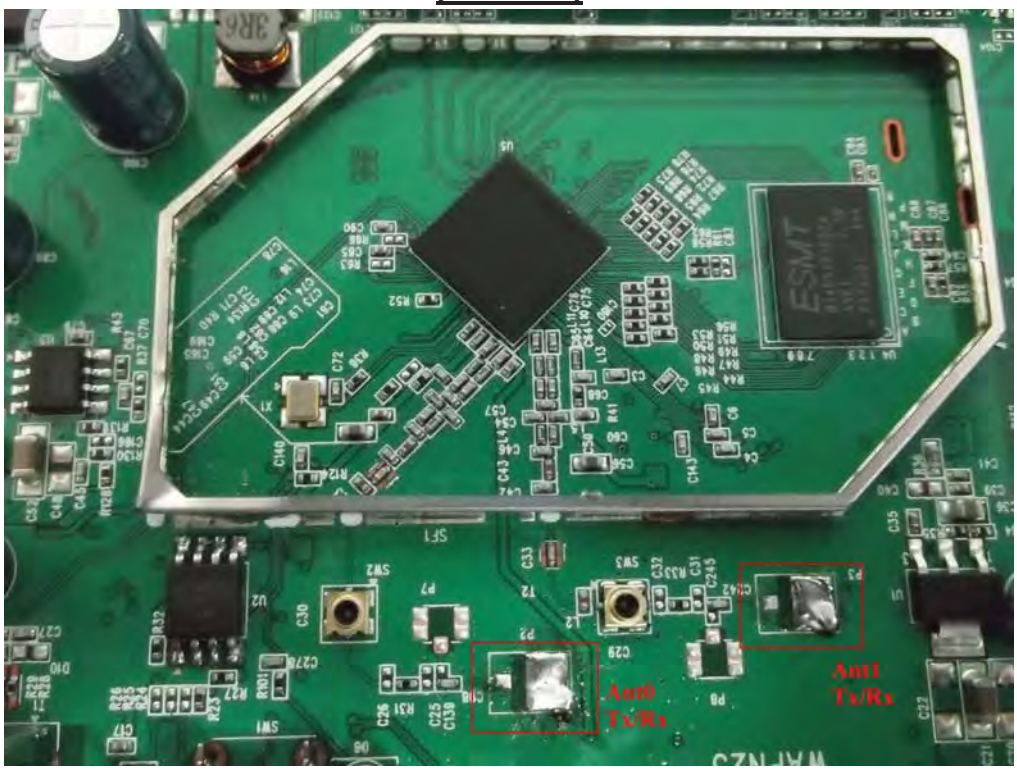
Product Name	Access Point
Product Type	WLAN (2TX, 2RX)
Trade Name	DrayTek
Model No.	VigorAP820, VigorAP810, VigorAP710, VigorFly215
Frequency Range/Channel Number -IEEE 802.11b/g & IEEE 802.11n (20MHz)_2.4GHz	2412~2462MHz / 11 Channels
Frequency Range/Channel Number -IEEE 802.11n(40MHz) _2.4GHz	2422~2452MHz / 7 Channels
Type of Modulation (IEEE 802.11b)	Direct Sequence Spread Spectrum (DSSS)
Type of Modulation (IEEE 802.11a/g/n)	Orthogonal Frequency Division Multiplexing (OFDM)
Data Speed (IEEE 802.11b)	1Mbps, 2Mbps, 5.5Mbps, 11Mbps
Data Speed (IEEE 802.11a/g)	6Mbps,9Mbps,12Mbps,18Mbps,24Mbps,36Mbps,48Mbps,54Mbps
Data Speed (IEEE 802.11n)	Support a subset of the combination of GI, MCS 0~MCS 15 and bandwidth defined in 802.11n
Antenna Gain	2.2dBi
Antenna Type	Dipole Antenna

Component	
LAN Cable	Non-Shielded, 1.8m
Dipole Antenna	Walsin / PI_RFDPA131300SBAB802, 2 pcs (for Model : VigorAP820, VigorAP810, VigorAP710) Walsin / PI_RFDPA131307NNAB301, 1 pcs (for Model : VigorFly215) Walsin / PI_RFDPA131311NNAB301, 1 pcs (for Model : VigorFly215)
Power Adatper	I.T.E, MU12AB120100-A1 I/P : 100-240V~50/60Hz 0.4A O/P : 12V⎓1.0A Cable Out: Non-Shielded, 1.2m

ANT-TX / RX & Bandwidth

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

(2TX /2RX)



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

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		

Note:

1. This device is a Access Point including 2.4GHz b/g/n (2x2) transmitting and receiving function.
2. The different of the each model is shown as below:

	VigorAP820	VigorAP810	VigorAP710	VigorFly 215	12V/1A
WAN (10/100 Base-T, RJ-45)	1	1	1	1	V
LAN (10/100 Base-T, RJ-45)	4	4	1	4	V
PoE	V	V	x	x	V
USB	1	1	x	1	V
Antenna	2 (SMA Detachable)	2 (SMA Detachable)	2 (SMA Detachable)	2 (Fixed)	V
Flash	8M	8M	8M	8M	V
RAM	64M	64M	64M	64M	V

3. These test results on a sample of the device are for the purpose of demonstrating Compliance with Part 15 Subpart C Paragraph 15.247.
4. 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.
5. This device is a WiFi device in accordance with Part 15 regulations. The receiving function receiving was tested and its test report number is 13C0398R-RFUSP01V00 under Declaration of Conformity.

1.3. Test Mode

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

TX	Mode 1: Transmit

Test Items	Modulation	Channel	Antenna	Result
Conducted Emission	11n(40MHz)	6	0+1	Complies
Peak Power Output	b/g	1/ 6/ 11	0+1	Complies
	11n(20MHz)	1/ 6/ 11	0+1	Complies
	11n(40MHz)	3/ 6/ 9	0+1	Complies
Radiated Emission	b/g	1/ 6/ 11	0+1	Complies
	11n(20MHz)	1/ 6/ 11	0+1	Complies
	11n(40MHz)	3/ 6/ 9	0+1	Complies
RF antenna conducted test	b/g	1/ 11	0/1	Complies
	11n(20MHz)	1/ 11	0/1	Complies
	11n(40MHz)	3/ 9	0/1	Complies
Radiated Emission Band Edge	b/g	1/ 11	0+1	Complies
	11n(20MHz)	1/ 11	0+1	Complies
	11n(40MHz)	3/ 9	0+1	Complies
Occupied Bandwidth	b/g	1/ 6/ 11	0/1	Complies
	11n(20MHz)	1/ 6/ 11	0/1	Complies
	11n(40MHz)	3/ 6/ 9	0/1	Complies
Power Density	b/g	1/ 6/ 11	0+1	Complies
	11n(20MHz)	1/ 6/ 11	0+1	Complies
	11n(40MHz)	3/ 6/ 9	0+1	Complies

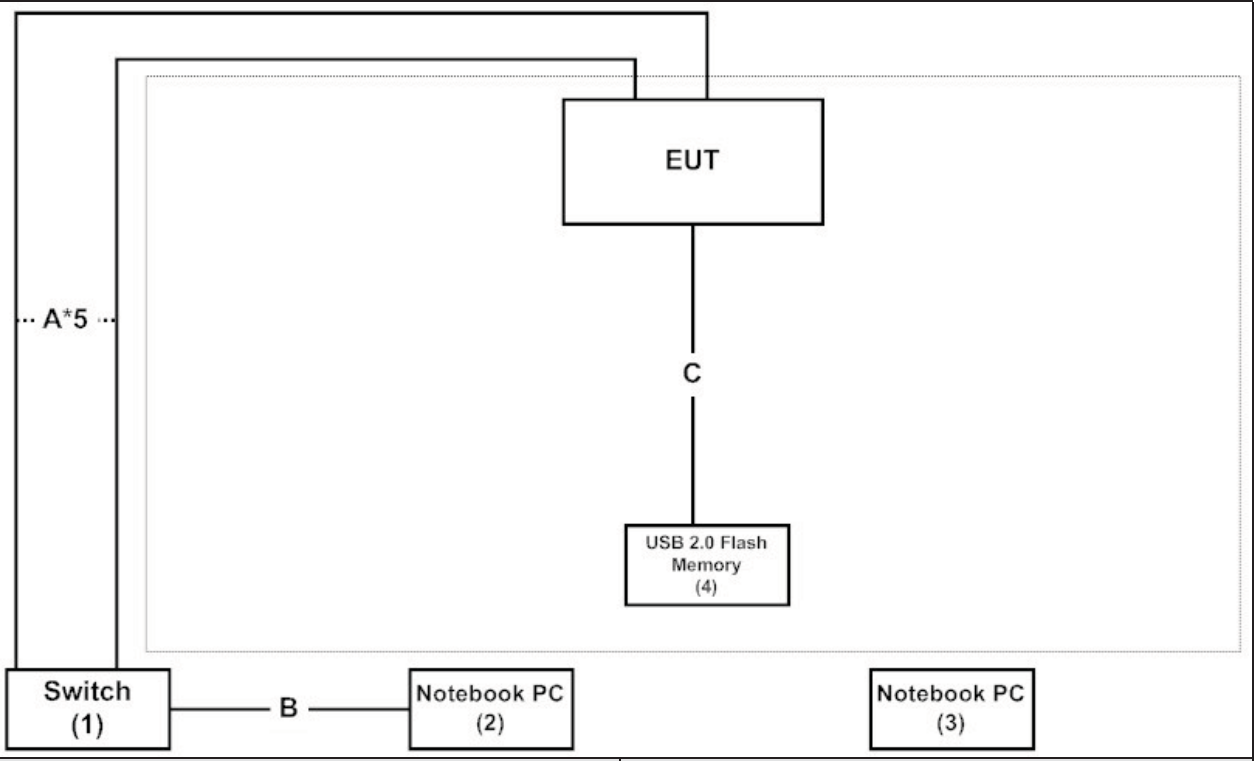
1.4. Tested System Details

The types for all equipments, plus descriptions of all cables used in the tested system (including inserted cards) are:

Product		Manufacturer	Model No.	Serial No.	FCC ID	Power Cord
1	Switch	D-Link	DGS1216T	F360298000076	DoC	Non-Shielded, 1.8m
2	Notebook PC	ACER	MS2296	LUSCV0213911 50332C2000	DoC	Non-Shielded, 2.5m one ferrite core bonded
3	Notebook PC	DELL	PP37L	CD8BNG1	DoC	Non-Shielded, 1.8m
4	USB 2.0 Flash Memory	Apacer	AH223	N/A	DoC	--

1.5. Configuration of tested System

Connection Diagram



Signal Cable Type		Signal cable Description
A	LAN Cable	Non-Shielded, 3m, 5PCS
B	LAN Cable	Non-Shielded, 1.8m
C	USB 2.0 Flash Memory Cable	Shielded, 1m

1.6. EUT Exercise Software

1	Setup the EUT as shown in Section 1.5.
2	Execute the test program “MT76200QA” on the Notebook.
3	Configure the test mode, the test channel, and the data rate.
4	Press “Start TX” to start the continuous transmitting.
5	Verify that the EUT works properly.

1.7. Test Facility

Ambient conditions in the laboratory:

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

2. Conducted Emission

2.1. Test Equipment

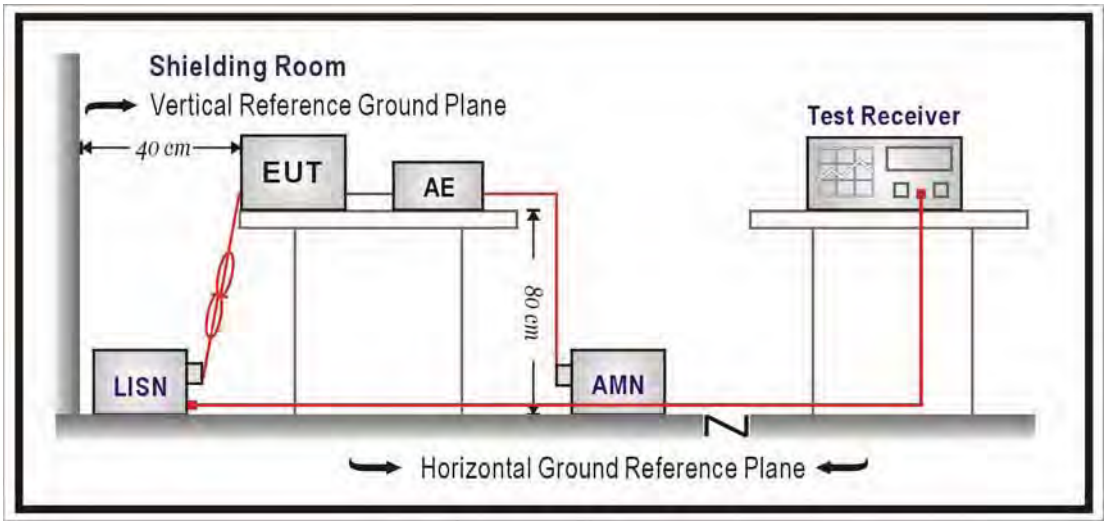
The following test equipments are used during the test:

Conducted Emission / SR2

Instrument	Manufacturer	Model No.	Serial No	Next Cal. Date
Artificial Mains Network	R&S	ENV4200	848411/010	2014/01/24
LISN	R&S	ENV216	100092	2014/08/08
Test Receiver	R&S	ESCS 30	825442/014	2014/07/30

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

2.2. Test Setup



2.3. Limits

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

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

2.4. Test Procedure

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

2.5. Test Specification

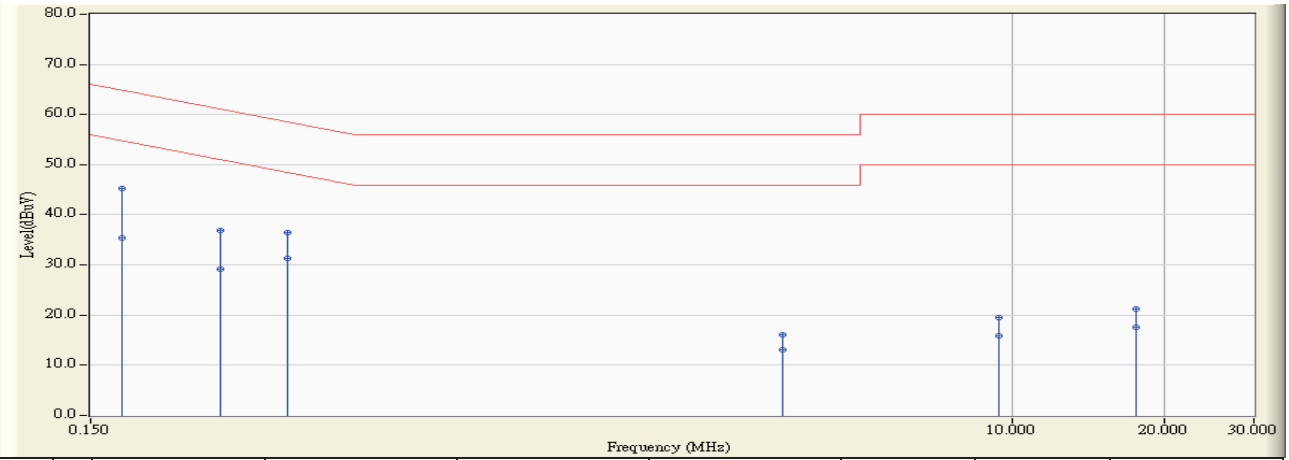
According to FCC Part 15 Subpart C Paragraph 15.207: 2012

2.6. Uncertainty

The measurement uncertainty is defined as ± 2.26 dB.

2.7. Test Result

Site : SR2	**Time : 2014/01/03 - 00:05**
Limit : CISPR_B_00M_QP	**Margin : 10**
Probe : SR2_LISN(16A)-3_0822 - Line1	**Power : AC 120V/60Hz**
EUT : Access Point	**Note : Mode 1: Transmit _802.11n 40MHz**

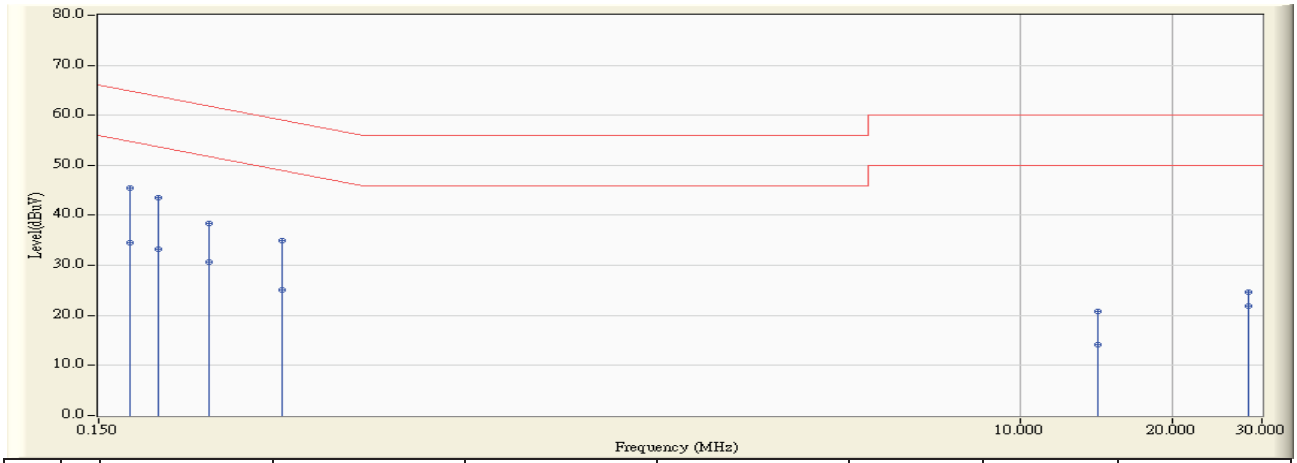


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1		0.173	9.639	35.720	45.359	-19.435	64.794	QUASIPEAK
2		0.173	9.639	25.690	35.329	-19.465	54.794	AVERAGE
3		0.271	9.664	27.210	36.874	-24.210	61.084	QUASIPEAK
4		0.271	9.664	19.420	29.084	-22.000	51.084	AVERAGE
5		0.369	9.692	26.840	36.532	-21.997	58.529	QUASIPEAK
6	*	0.369	9.692	21.710	31.402	-17.127	48.529	AVERAGE
7		3.517	9.909	6.170	16.078	-39.922	56.000	QUASIPEAK
8		3.517	9.909	3.250	13.158	-32.842	46.000	AVERAGE
9		9.384	10.093	9.480	19.573	-40.427	60.000	QUASIPEAK
10		9.384	10.093	5.680	15.773	-34.227	50.000	AVERAGE
11		17.595	10.136	11.160	21.296	-38.704	60.000	QUASIPEAK
12		17.595	10.136	7.440	17.576	-32.424	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 : SR2	**Time : 2014/01/03 - 00:07**
Limit : CISPR_B_00M_QP	**Margin : 10**
Probe : SR2_LISN(16A)-3_0822 - Line2	**Power : AC 120V/60Hz**
EUT : Access Point	**Note : Mode 1: Transmit _802.11n 40MHz**



		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1	*	0.173	9.626	35.840	45.466	-19.328	64.794	QUASIPEAK
2		0.173	9.626	24.870	34.496	-20.298	54.794	AVERAGE
3		0.197	9.633	33.820	43.453	-20.288	63.741	QUASIPEAK
4		0.197	9.633	23.580	33.213	-20.528	53.741	AVERAGE
5		0.248	9.646	28.750	38.395	-23.440	61.835	QUASIPEAK
6		0.248	9.646	20.930	30.575	-21.260	51.835	AVERAGE
7		0.345	9.669	25.240	34.908	-24.166	59.074	QUASIPEAK
8		0.345	9.669	15.470	25.138	-23.936	49.074	AVERAGE
9		14.240	10.266	10.570	20.836	-39.164	60.000	QUASIPEAK
10		14.240	10.266	3.870	14.136	-35.864	50.000	AVERAGE
11		28.154	10.409	14.270	24.679	-35.321	60.000	QUASIPEAK
12		28.154	10.409	11.470	21.879	-28.121	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

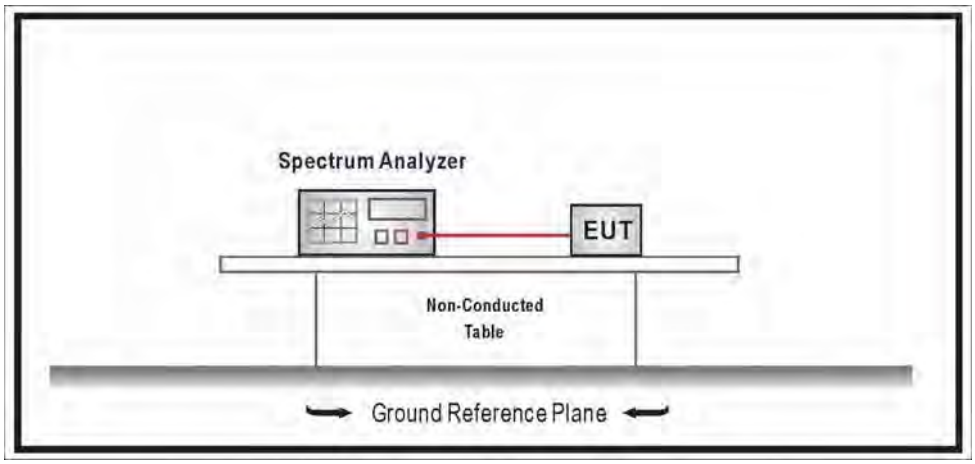
The following test equipments are used during the test:

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 section 9.1.2 of KDB558074 v03r01 measurement to FCC 47CFR 15.247 requirements. Set the RBW=1MHz, Set the VBW≧ 3xRBW, Sweep Time=Auto, Set Peak Detector.

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	Access Point		
Test Item	Peak Power Output		
Test Mode	Mode 1: Transmit		
Date of Test	2014/01/16	Test Site	SR7

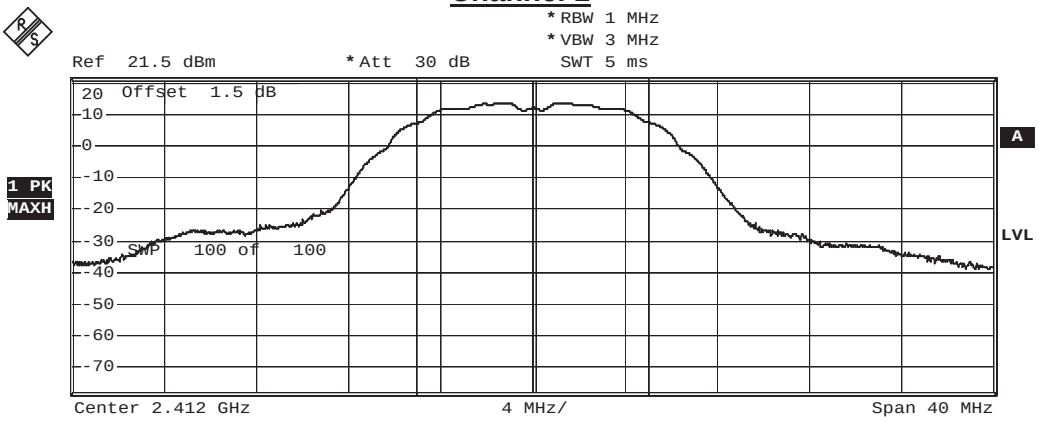
IEEE 802.11b, ANT 0				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
1	2412	21.64	≦30	Pass
6	2437	20.84	≦30	Pass
11	2462	20.85	≦30	Pass

The worst emission of data rate is 1Mbps.

Peak Power Output (dBm)						
Channel No	Frequency (MHz)	Data Rate (Mbps)				Required Limit
		1	2	5.5	11	
1	2412	21.64	--	--	--	1 Watt=30dBm
6	2437	20.84	20.64	20.53	20.43	1 Watt=30dBm
11	2462	20.85	--	--	--	1 Watt=30dBm

Note: Measure Level =Reading value + cable loss

Channel 1

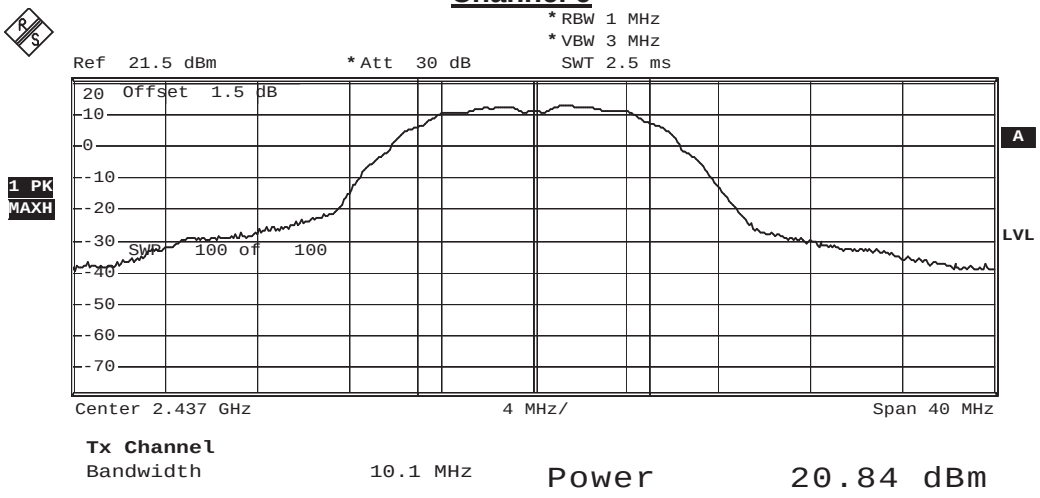


Tx Channel

Bandwidth	10.1 MHz	Power	21.64 dBm

Date: 15.JAN.2014 17:32:30

Channel 6

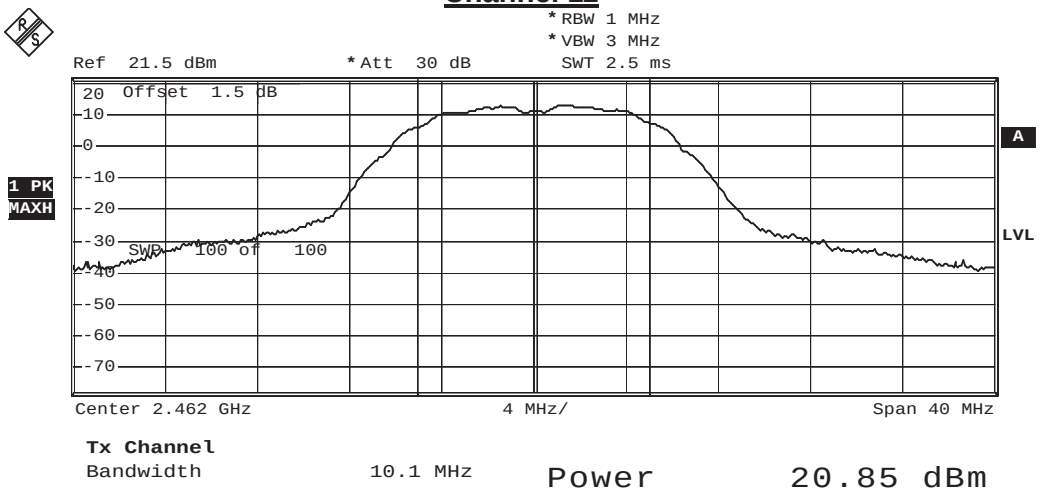


Tx Channel

Bandwidth 10.1 MHz Power 20.84 dBm

Date: 15.JAN.2014 17:43:57

Channel 11



Tx Channel

Bandwidth	10.1 MHz	Power	20.85 dBm

Date: 15.JAN.2014 19:20:28

Product	Access Point		
Test Item	Peak Power Output		
Test Mode	Mode 1: Transmit		
Date of Test	2014/01/16	Test Site	SR7

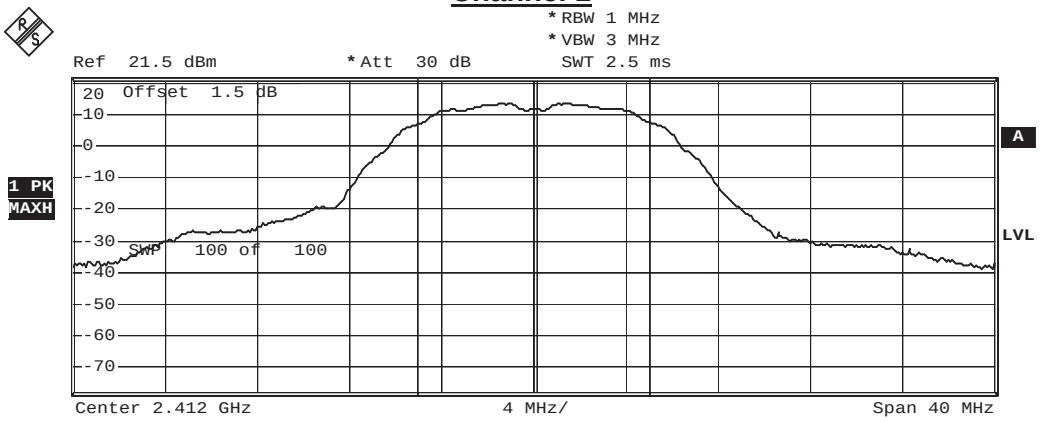
IEEE 802.11b, ANT 1				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
1	2412	21.42	≦30	Pass
6	2437	20.65	≦30	Pass
11	2462	20.81	≦30	Pass

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	21.42	--	--	--	1 Watt=30dBm
6	2437	20.65	20.55	20.35	20.22	1 Watt=30dBm
11	2462	20.81	--	--	--	1 Watt=30dBm

Note: Measure Level =Reading value + cable loss

Channel 1

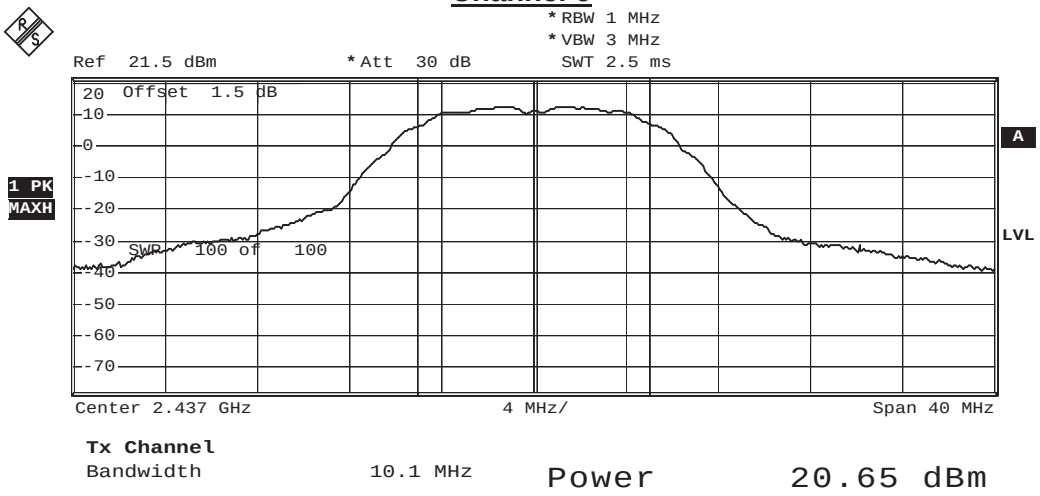


Tx Channel

Bandwidth	10.07 MHz	Power	21.42 dBm

Date: 15.JAN.2014 17:34:40

Channel 6

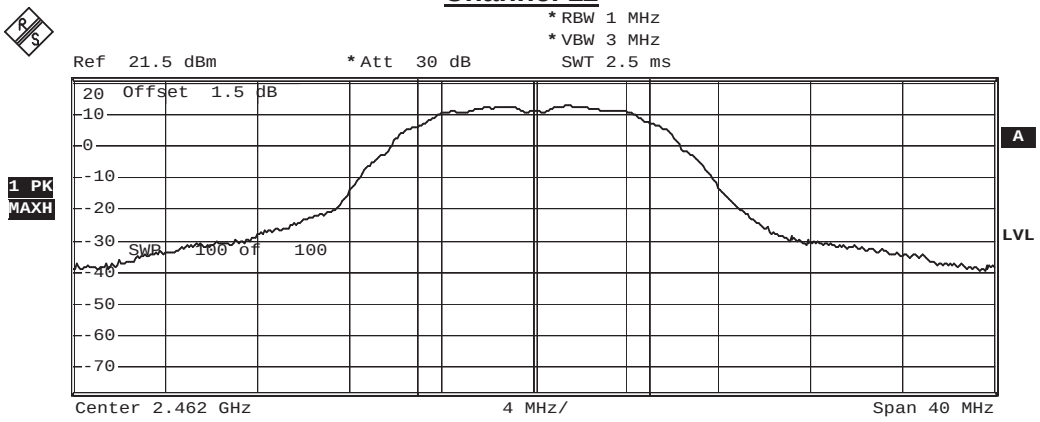


Tx Channel

Bandwidth 10.1 MHz Power 20.65 dBm

Date: 15.JAN.2014 17:40:31

Channel 11



Tx Channel

Bandwidth	10.1 MHz	Power	20.81 dBm

Date: 15.JAN.2014 19:22:34

Product	Access Point		
Test Item	Peak Power Output		
Test Mode	Mode 1: Transmit		
Date of Test	2014/01/16	Test Site	SR7

IEEE 802.11b, ANT0+1

Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
1	2412	24.54	≦30	Pass
6	2437	23.76	≦30	Pass
11	2462	23.84	≦30	Pass

The worst emission of data rate is 1 Mbps.

Peak Power Output (dBm)						
Channel No	Frequency (MHz)	Data Rate				Required Limit
		1	2	5.5	11	
1	2412	24.54	--	--	--	1 Watt=30dBm
6	2437	23.76	23.61	23.45	3.34	1 Watt=30dBm
11	2462	23.84	--	--	--	1 Watt=30dBm

Product	Access Point		
Test Item	Peak Power Output		
Test Mode	Mode 1: Transmit		
Date of Test	2014/01/16	Test Site	SR7

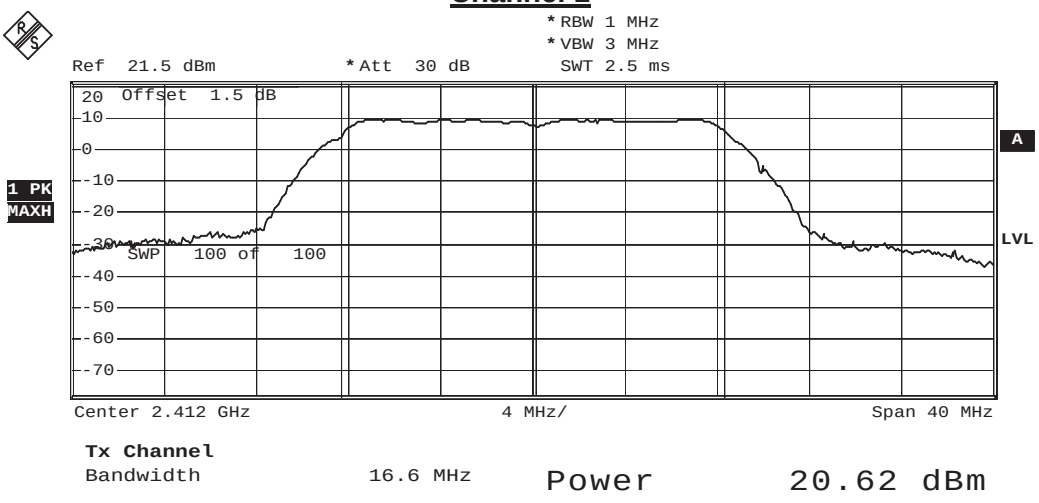
IEEE 802.11g, ANT 0

Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
1	2412	20.62	≦30	Pass
6	2437	26.29	≦30	Pass
11	2462	17.85	≦30	Pass

The worst emission of data rate is 6 Mbps.

Peak Power Output (dBm)									
Channel No	Frequency (MHz)	Data Rate							Required Limit
		6	12	18	24	36	48	54	
1	2412	20.62	--	--	--	--	--	--	1 Watt=30dBm
6	2437	26.29	19.19	19.09	18.98	18.72	18.60	18.36	1 Watt=30dBm
11	2462	17.85	--	--	--	--	--	--	1 Watt=30dBm

Channel 1

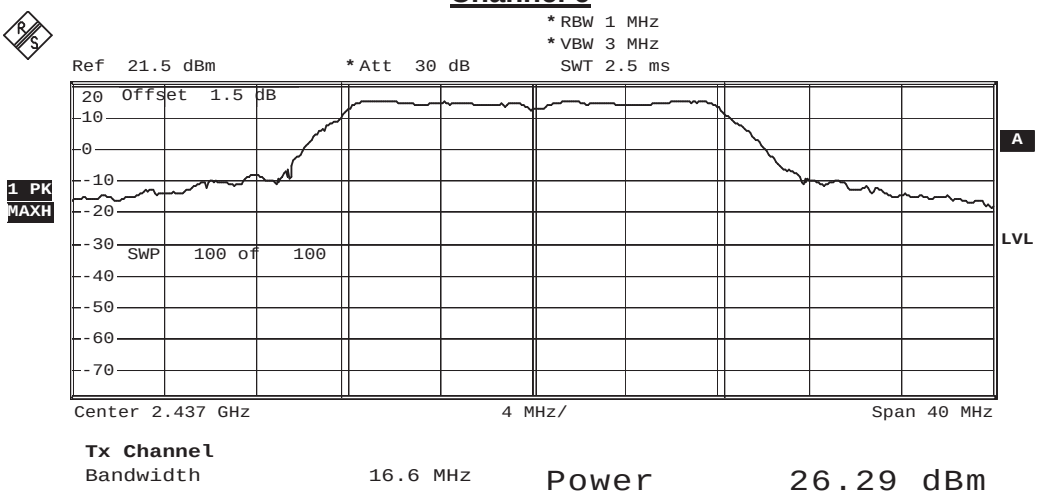


Tx Channel

Bandwidth	16.6 MHz	Power	20.62 dBm

Date: 15.JAN.2014 19:37:30

Channel 6

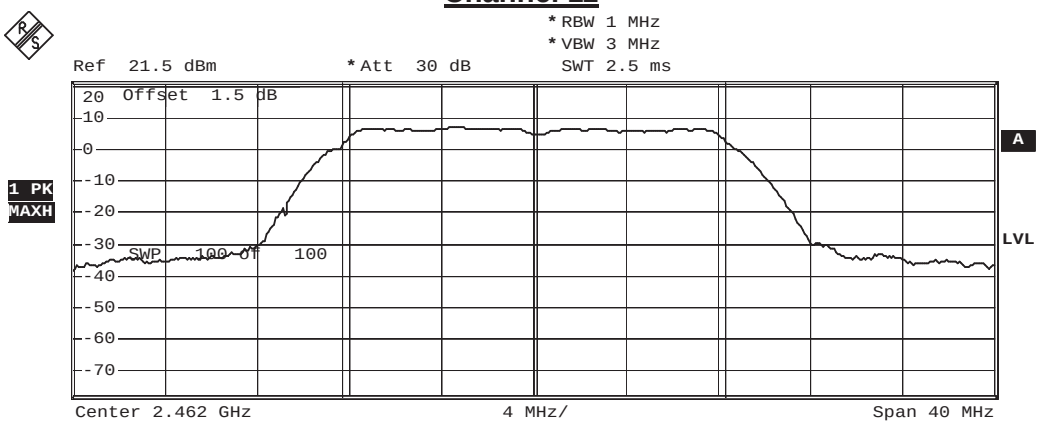


Tx Channel

Bandwidth	16.6 MHz	Power	26.29 dBm

Date: 15.JAN.2014 19:58:29

Channel 11



Tx Channel

Bandwidth	16.6 MHz	Power	17.85 dBm

Date: 15.JAN.2014 20:35:01

Product	Access Point		
Test Item	Peak Power Output		
Test Mode	Mode 1: Transmit		
Date of Test	2014/01/16	Test Site	SR7

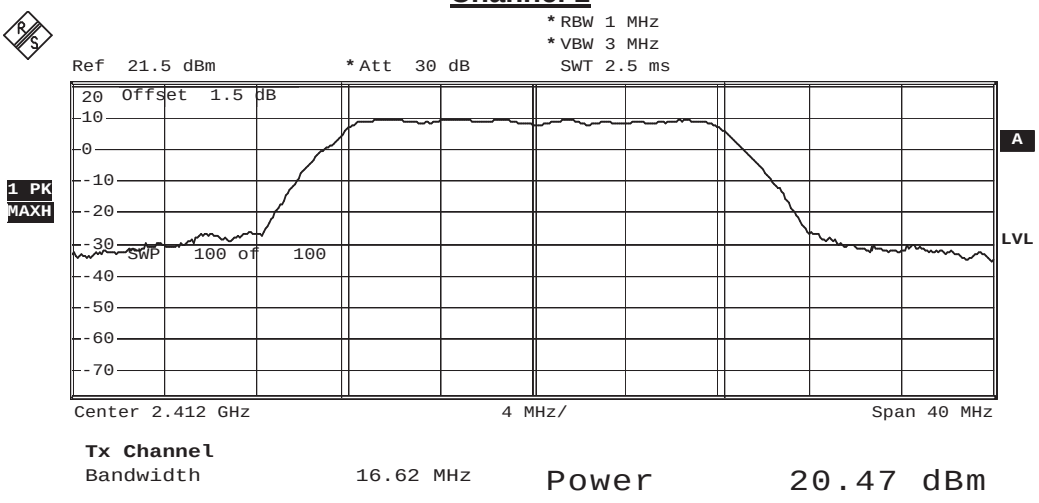
IEEE 802.11g, ANT 1

Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
1	2412	20.47	≦30	Pass
6	2437	25.71	≦30	Pass
11	2462	17.69	≦30	Pass

The worst emission of data rate is 6s Mbps.

Peak Power Output (dBm)									
Channel No	Frequency (MHz)	Data Rate							Required Limit
		6	12	18	24	36	48	54	
1	2412	20.47	--	--	--	--	--	--	1 Watt=30dBm
6	2437	25.71	25.51	25.41	25.28	25.08	24.84	24.60	1 Watt=30dBm
11	2462	17.69	--	--	--	--	--	--	1 Watt=30dBm

Channel 1

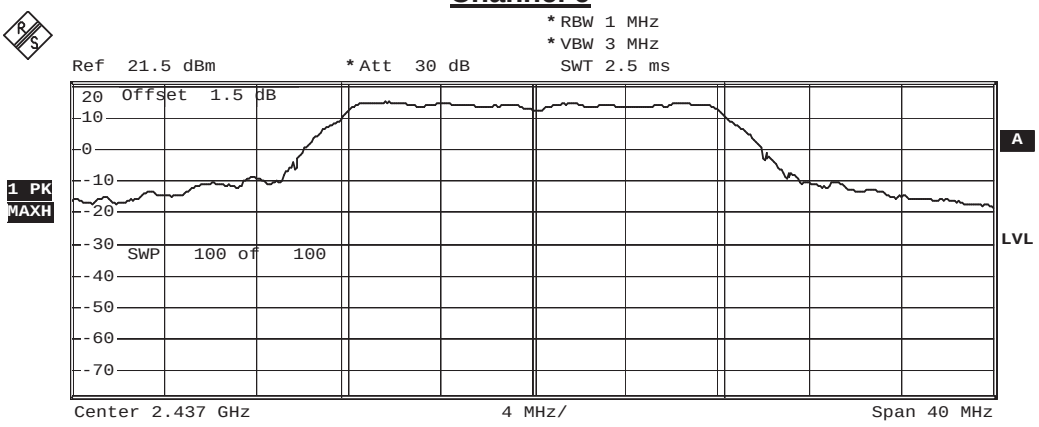


Tx Channel

Bandwidth	16.62 MHz	Power	20.47 dBm

Date: 15.JAN.2014 19:29:26

Channel 6

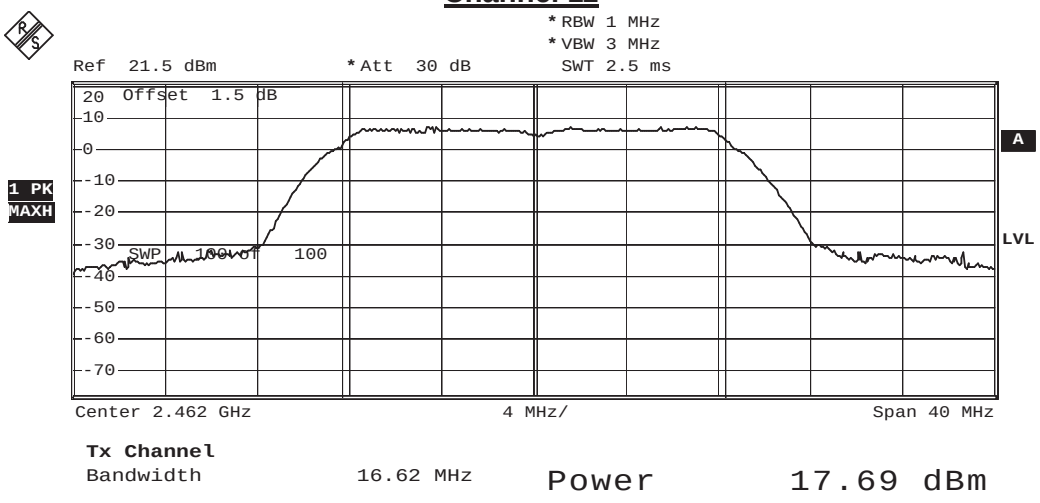


Tx Channel

Bandwidth	16.6 MHz	Power	25.71 dBm

Date: 15.JAN.2014 20:25:18

Channel 11



Tx Channel

Bandwidth	16.62 MHz	Power	17.69 dBm

Date: 15.JAN.2014 20:31:30

Product	Access Point		
Test Item	Peak Power Output		
Test Mode	Mode 1: Transmit		
Date of Test	2014/01/16	Test Site	SR7

IEEE 802.11g, ANT 0+1

Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
1	2412	23.56	≦30	Pass
6	2437	29.02	≦30	Pass
11	2462	20.78	≦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	23.56	--	--	--	--	--	--	1 Watt=30dBm
6	2437	29.02	28.87	28.77	28.60	28.45	28.21	28.03	1 Watt=30dBm
11	2462	20.78	--	--	--	--	--	--	1 Watt=30dBm

Product	Access Point		
Test Item	Peak Power Output		
Test Mode	Mode 1: Transmit		
Date of Test	2014/01/16	Test Site	SR7

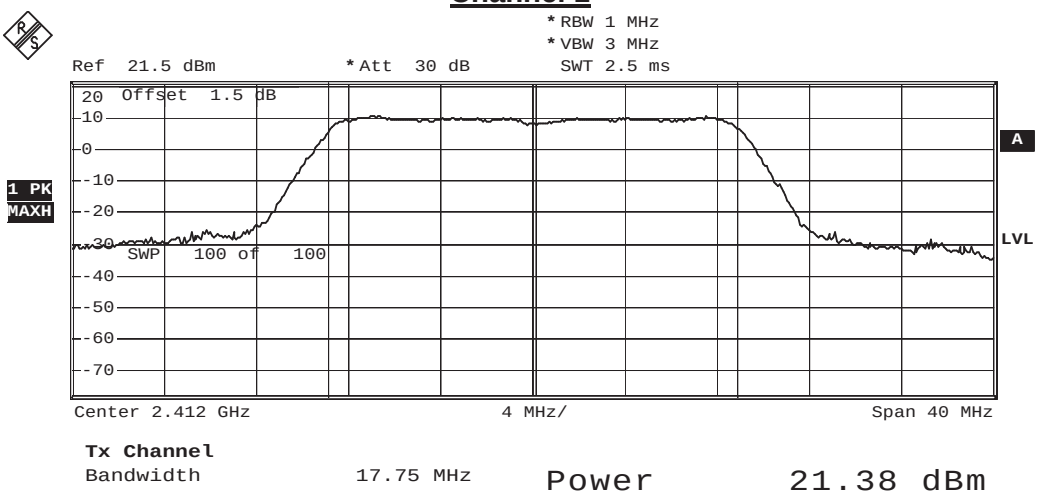
IEEE802.11n 20MHz, ANT 0

Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
1	2412	21.38	≦30	Pass
6	2437	26.76	≦30	Pass
11	2462	17.18	≦30	Pass

The worst emission of data rate is 6.5Mbps

Peak Power Output (dBm)										
MCS Index		8	9	10	11	12	13	14	15	Required Limit
Channel No	Frequency (MHz)	Data Rate								
		6.5	13	19.5	26	39	52	58.5	65	
1	2412	21.38	--	--	--	--	--	--	--	1Watt=30dBm
6	2437	26.76	26.64	26.54	26.32	26.19	25.95	25.71	25.49	1Watt=30dBm
11	2462	17.18	--	--	--	--	--	--	--	1Watt=30dBm

Channel 1

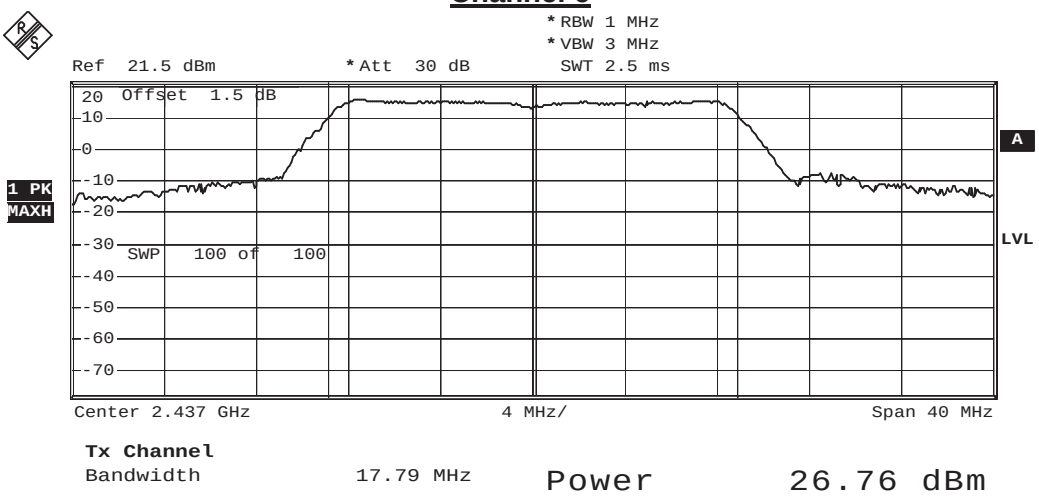


Tx Channel

Bandwidth	17.75 MHz	Power	21.38 dBm

Date: 15.JAN.2014 20:38:45

Channel 6

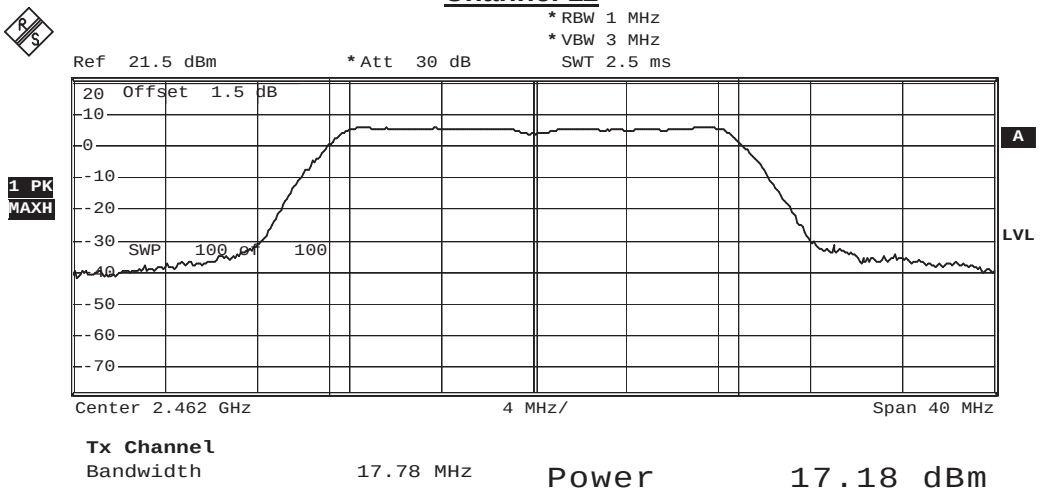


Tx Channel

Bandwidth	17.79 MHz	Power	26.76 dBm

Date: 15.JAN.2014 21:00:58

Channel 11



Tx Channel

Bandwidth	17.78 MHz	Power	17.18 dBm

Date: 15.JAN.2014 21:06:50

Product	Access Point		
Test Item	Peak Power Output		
Test Mode	Mode 1: Transmit		
Date of Test	2014/01/16	Test Site	SR7

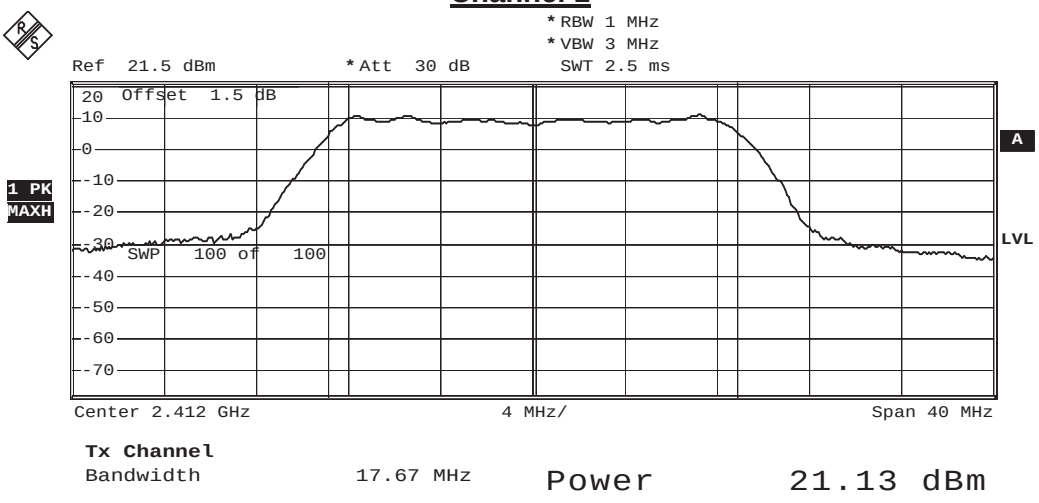
IEEE802.11n 20MHz, ANT 1

Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
1	2412	21.13	≦30	Pass
6	2437	26.51	≦30	Pass
11	2462	17.18	≦30	Pass

The worst emission of data rate is 6.5Mbps

Peak Power Output (dBm)										
MCS Index		8	9	10	11	12	13	14	15	Required Limit
Channel No	Frequency (MHz)	Data Rate								
		6.5	13	19.5	26	39	52	58.5	65	
1	2412	21.13	--	--	--	--	--	--	--	1Watt=30dBm
6	2437	26.51	26.31	26.07	25.97	25.85	25.61	25.49	25.36	1Watt=30dBm
11	2462	17.18	--	--	--	--	--	--	--	1Watt=30dBm

Channel 1

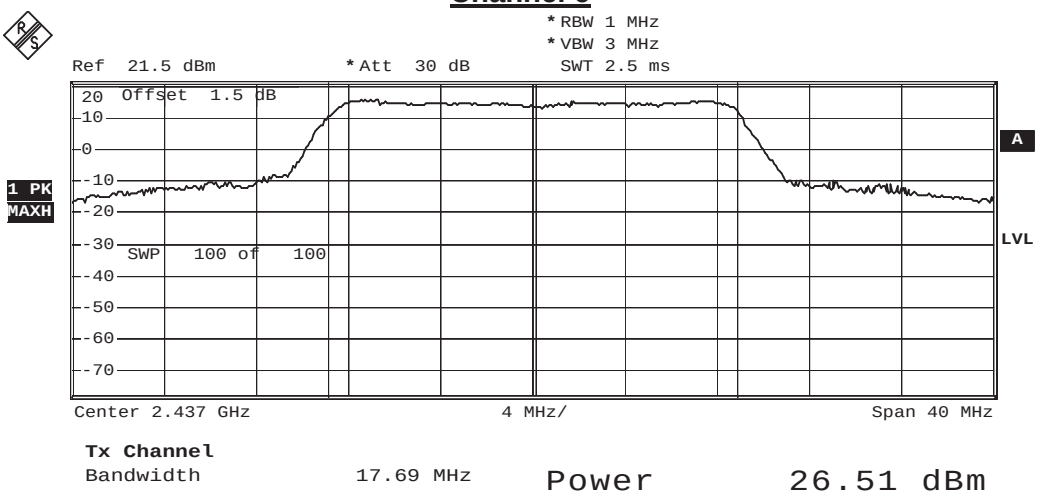


Tx Channel

Bandwidth	17.67 MHz	Power	21.13 dBm

Date: 15.JAN.2014 20:50:57

Channel 6

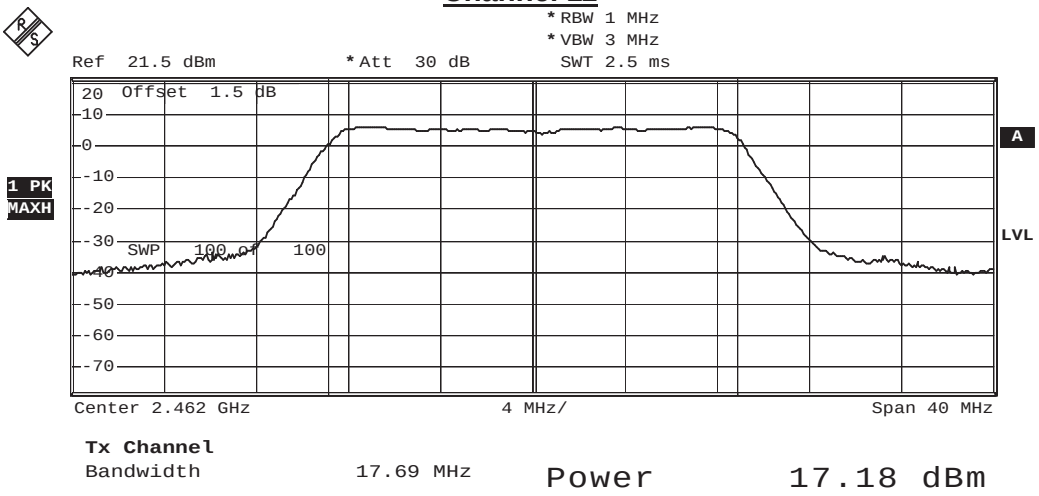


Tx Channel

Bandwidth	17.69 MHz	Power	26.51 dBm

Date: 15.JAN.2014 21:02:58

Channel 11



Tx Channel

Bandwidth	17.69 MHz	Power	17.18 dBm

Date: 15.JAN.2014 21:04:39

Product	Access Point		
Test Item	Peak Power Output		
Test Mode	Mode 1: Transmit		
Date of Test	2014/01/16	Test Site	SR7

IEEE802.11n 20MHz, ANT 0+1

Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
1	2412	24.27	≦30	Pass
6	2437	29.65	≦30	Pass
11	2462	20.19	≦30	Pass

The worst emission of data rate is 6.5Mbps

Peak Power Output (dBm)										
MCS Index		8	9	10	11	12	13	14	15	Required Limit
Channel No	Frequency (MHz)	Data Rate								
		6.5	13	19.5	26	39	52	58.5	65	
1	2412	24.27	--	--	--	--	--	--	--	1Watt=30dBm
6	2437	29.65	29.49	29.32	29.16	29.03	28.79	28.61	28.44	1Watt=30dBm
11	2462	20.19	--	--	--	--	--	--	--	1Watt=30dBm

Product	Access Point		
Test Item	Peak Power Output		
Test Mode	Mode 1: Transmit		
Date of Test	2014/01/16	Test Site	SR7

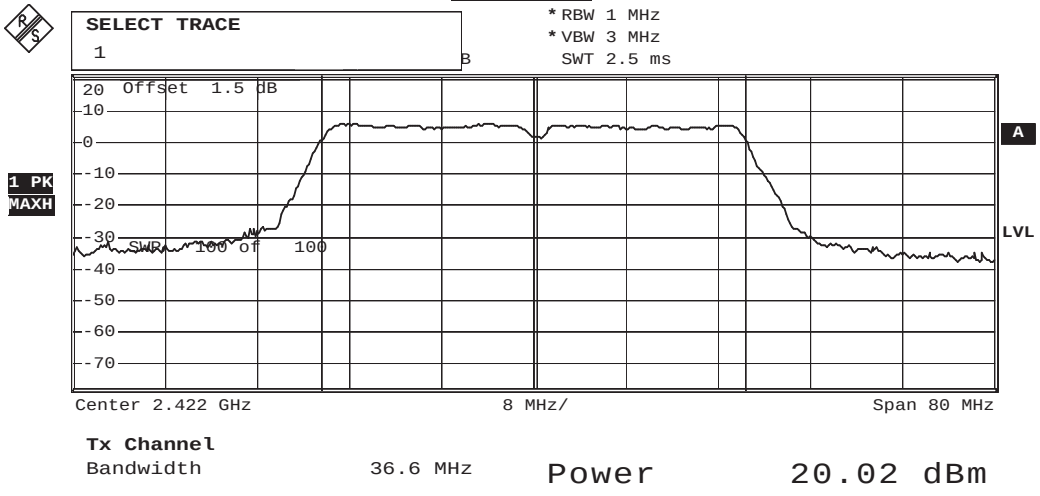
IEEE802.11n 40MHz, ANT 0

Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
3	2422	20.02	≦30	Pass
6	2437	19.20	≦30	Pass
9	2452	15.94	≦30	Pass

The worst emission of data rate is 27Mbps

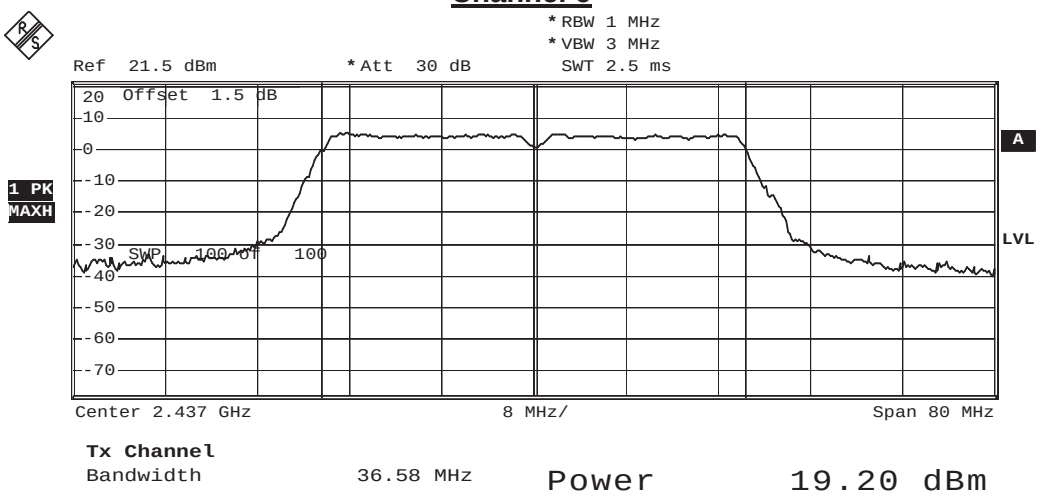
Peak Power Output (dBm)										
MCS Index		8	9	10	11	12	13	14	15	Required Limit
Channel No	Frequency (MHz)	Data Rate								
		27	54	81	108	162	216	243	270	
3	2422	20.02	--	--	--	--	--	--	--	1Watt=30dBm
6	2437	19.20	19.00	18.78	18.68	18.58	18.46	18.20	17.96	1Watt=30dBm
9	2452	15.94	--	--	--	--	--	--	--	1Watt=30dBm

Channel 3



Date: 15.JAN.2014 21:10:49

Channel 6

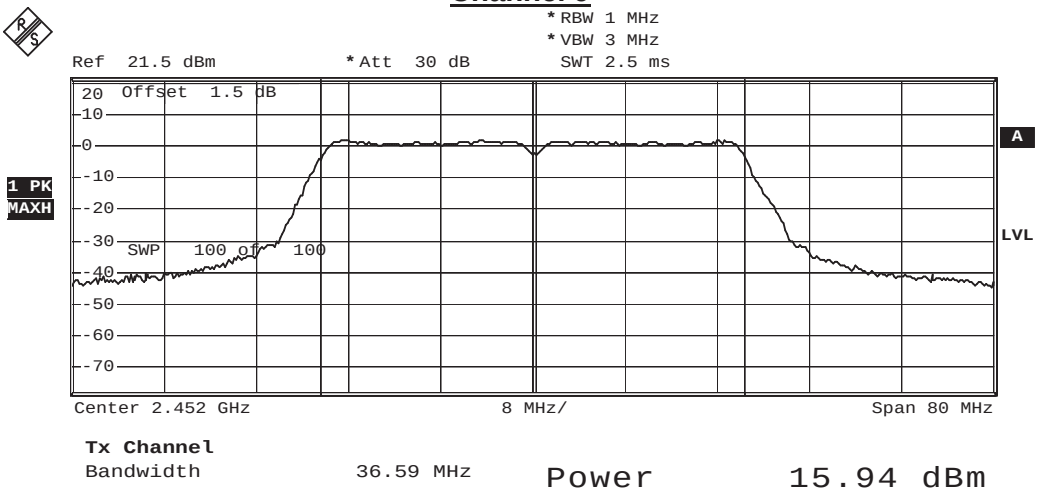


Tx Channel

Bandwidth	36.58 MHz	Power	19.20 dBm

Date: 15.JAN.2014 21:17:34

Channel 9



Tx Channel

Bandwidth	36.59 MHz	Power	15.94 dBm

Date: 15.JAN.2014 21:22:43

Product	Access Point		
Test Item	Peak Power Output		
Test Mode	Mode 1: Transmit		
Date of Test	2014/01/16	Test Site	SR7

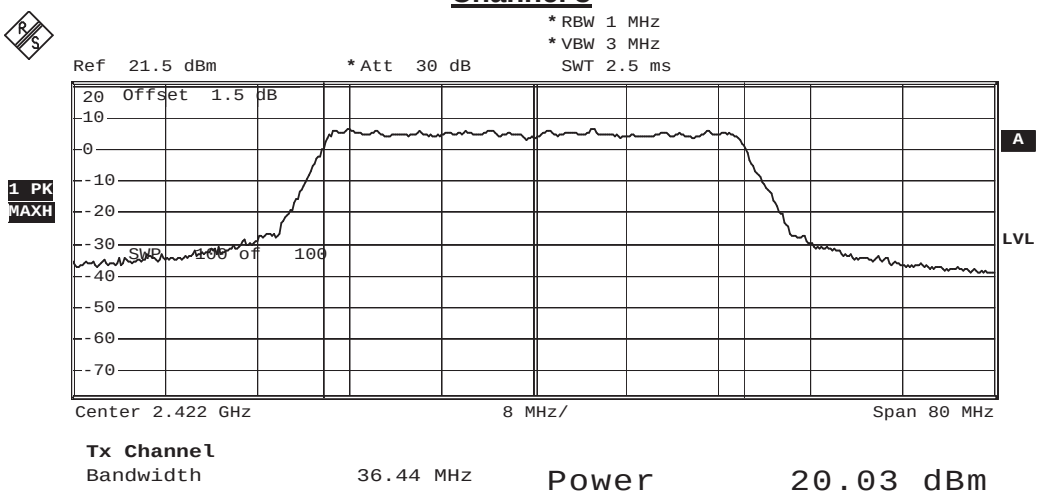
IEEE802.11n 20MHz, ANT 1

Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
3	2422	20.03	≦30	Pass
6	2437	19.41	≦30	Pass
9	2452	16.34	≦30	Pass

The worst emission of data rate is 27Mbps

Peak Power Output (dBm)										
MCS Index		8	9	10	11	12	13	14	15	Required Limit
Channel No	Frequency (MHz)	Data Rate								
		27	54	81	108	162	216	243	270	
3	2422	20.03	--	--	--	--	--	--	--	1Watt=30dBm
6	2437	19.41	19.31	19.21	19.08	18.98	18.74	18.50	18.26	1Watt=30dBm
9	2452	16.34	--	--	--	--	--	--	--	1Watt=30dBm

Channel 3

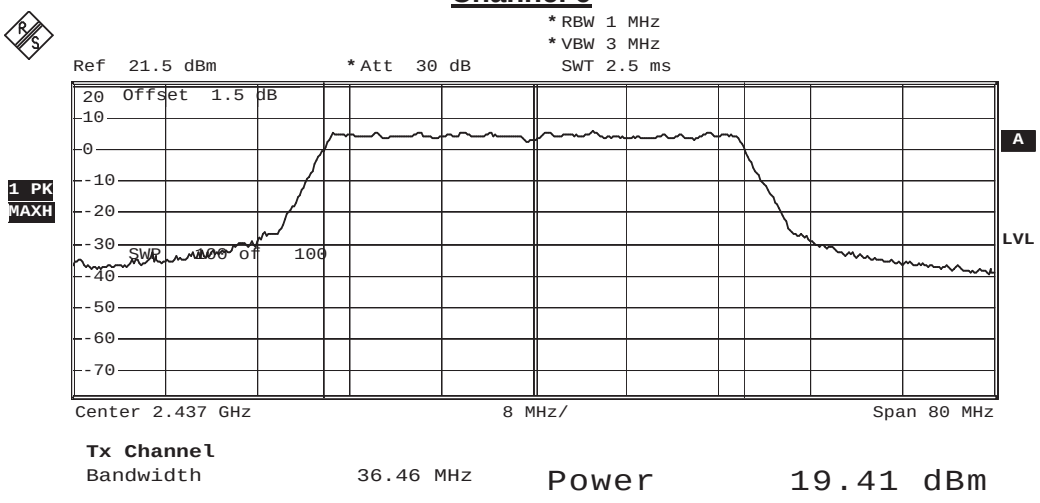


Tx Channel

Bandwidth	36.44 MHz	Power	20.03 dBm

Date: 15.JAN.2014 21:13:36

Channel 6

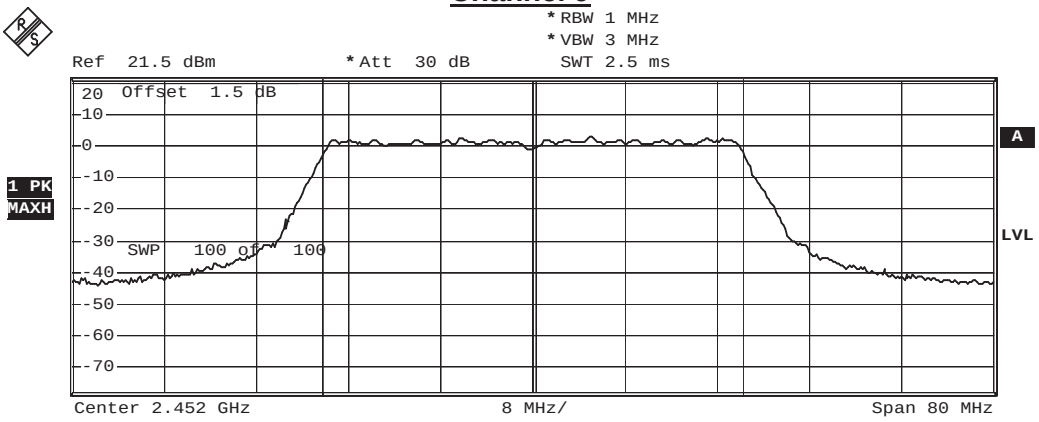


Tx Channel

Bandwidth	36.46 MHz	Power	19.41 dBm

Date: 15.JAN.2014 21:15:40

Channel 9



Tx Channel

Bandwidth	36.5 MHz	Power	16.34 dBm

Date: 15.JAN.2014 21:25:04

Product	Access Point		
Test Item	Peak Power Output		
Test Mode	Mode 1: Transmit		
Date of Test	2014/01/16	Test Site	SR7

IEEE802.11n 40MHz, ANT 0+1

Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
3	2422	23.04	≦30	Pass
6	2437	22.32	≦30	Pass
9	2452	19.15	≦30	Pass

The worst emission of data rate is 27Mbps

Peak Power Output (dBm)										
MCS Index		8	9	10	11	12	13	14	15	Required Limit
Channel No	Frequency (MHz)	Data Rate								
		27	54	81	108	162	216	243	270	
3	2422	23.04	--	--	--	--	--	--	--	1Watt=30dBm
6	2437	22.32	22.17	22.01	21.89	21.79	21.61	21.36	21.12	1Watt=30dBm
9	2452	19.15	--	--	--	--	--	--	--	1Watt=30dBm

4. Radiated Emission

4.1. Test Equipment

The following test equipments are used during the test:

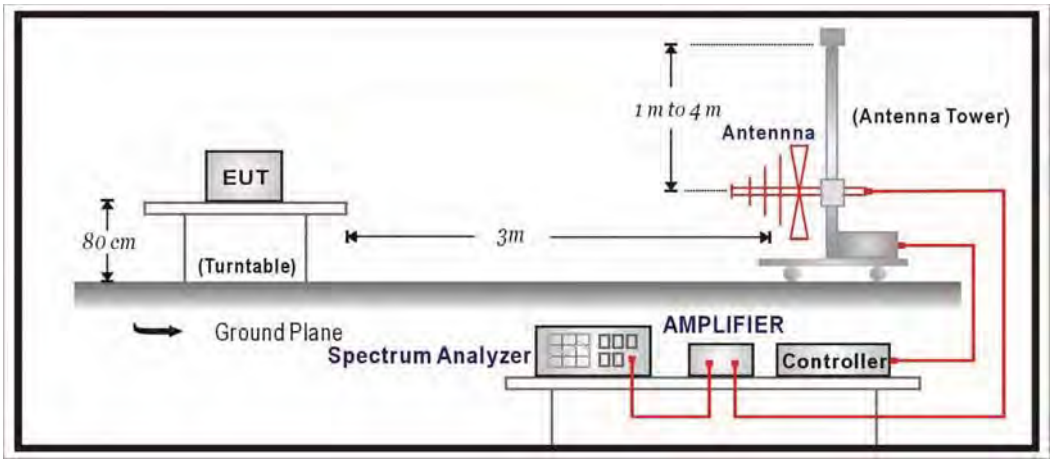
Radiated Emission / CB1

Instrument	Manufacturer	Model No.	Serial No	Next Cal. Date
Bilog Antenna	SCHAFFNER	CBL6112B	2895(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

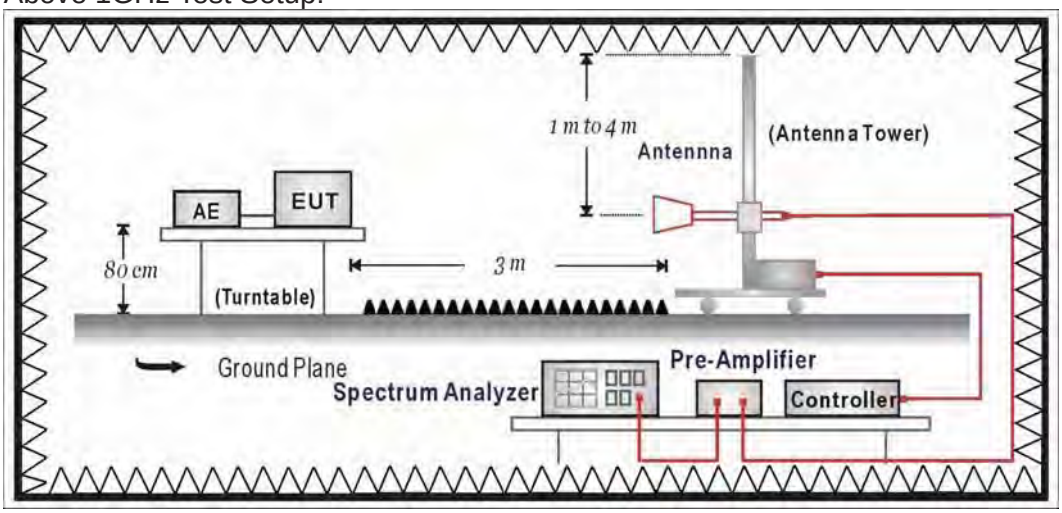
Note: 1. All equipments that need to calibrate are with calibration period of 1 year.

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 Jan. 2012 KDB558074 for compliance to FCC 47CFR 15.247 requirements.
The EUT and its simulators are placed on a turn table which is 0.8 meter above ground. The turn table can rotate 360 degrees to determine the position of the maximum emission level. The antenna can move up and down between 1 meter and 4 meters to find out the maximum emission level.
Both horizontal and vertical polarization of the antenna are set on measurement. In order to find the maximum emission, all of the interface cables must be manipulated according to ANSI C63.4: 2009 on radiated measurement.
On any frequency or frequencies below or equal to 1000 MHz, the limits shown are based on measuring equipment employing a quasi-peak detector function and on any frequency or frequencies above 1000 MHz the radiated limits shown are based upon the use of measurement instrumentation employing an average detector function. When average radiated emission measurement are included emission measurement below 1000 MHz, there also is a limit on the radio frequency emissions, as measured using instrumentation with a peak detector function, corresponding to 20 dB above the maximum permitted average limit. The bandwidth below 1GHz setting on the field strength meter is 120 kHz and above 1GHz is 1MHz.

4.5. Test Specification

According to FCC Part 15 Subpart C Paragraph 15.247: 2012

4.6. Uncertainty

The measurement uncertainty

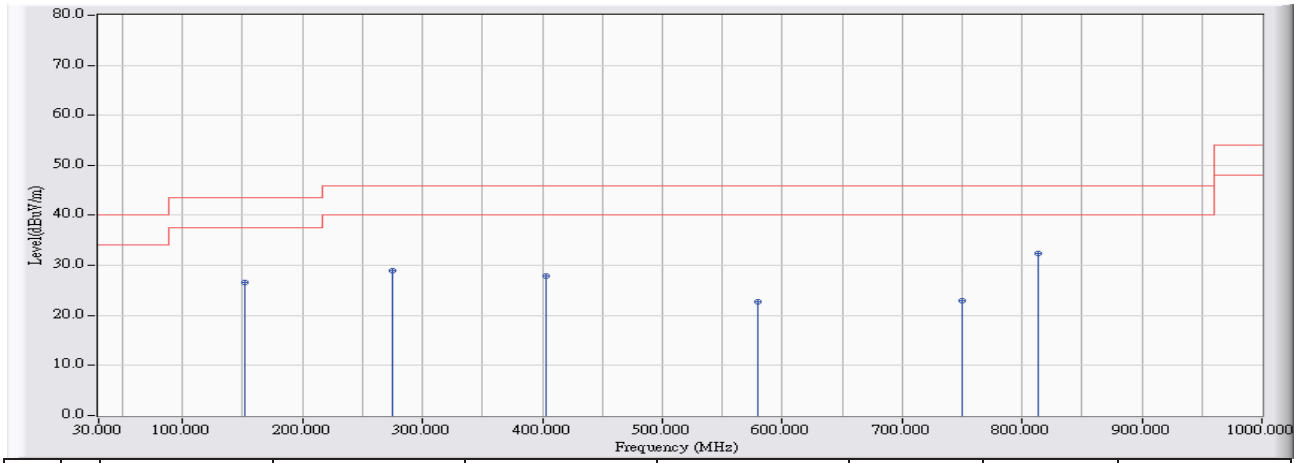
30MHz～1GHz as ±3.43dB

1GHz～26.5Ghz as ±3.65dB

4.7. Test Result

30MHz-1GHz Spurious

Site : CB1	**Time : 2013/12/03 - 19:18**
Limit : FCC_CLASS_B_03M_QP	**Margin : 6**
Probe : CB1_FCC_EFS_30-1G-2_1011 - HORIZONTAL	**Power : AC 120V /60Hz**
EUT : Access Point	**Note : Mode 1: Transmit_802.11b_2437 MHz**

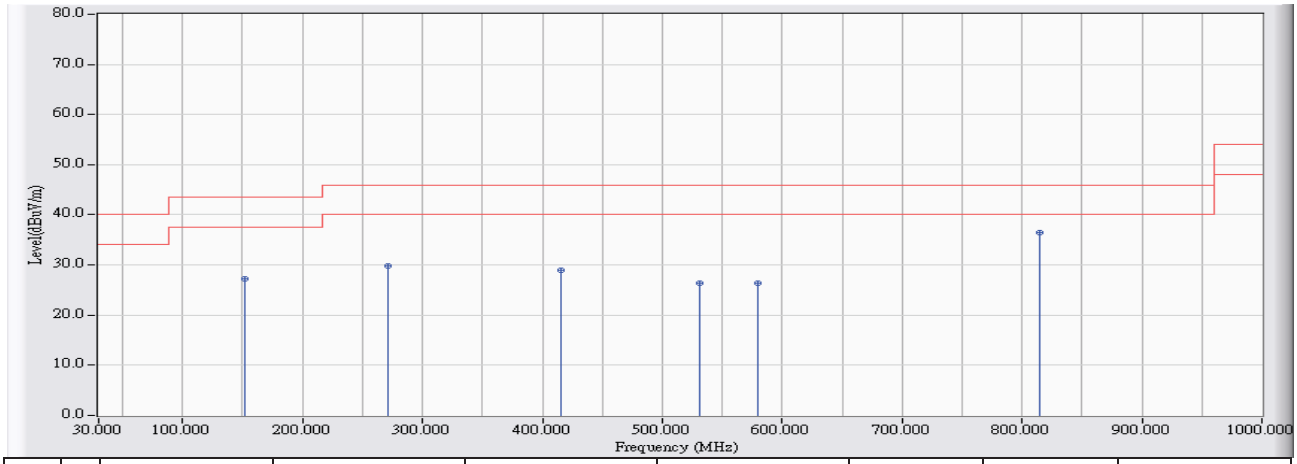


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		151.250	-23.428	49.959	26.531	-16.969	43.500	QUASIPEAK
2		274.440	-20.543	49.519	28.976	-17.024	46.000	QUASIPEAK
3		403.450	-17.478	45.341	27.862	-18.138	46.000	QUASIPEAK
4		579.990	-15.537	38.185	22.648	-23.352	46.000	QUASIPEAK
5		749.740	-14.300	37.145	22.845	-23.155	46.000	QUASIPEAK
6	*	813.760	-13.551	45.885	32.335	-13.665	46.000	QUASIPEAK

Note:

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

Site : CB1	**Time : 2013/12/03 - 19:23**
Limit : FCC_CLASS_B_03M_QP	**Margin : 6**
Probe : CB1_FCC_EFS_30-1G-2_1011 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Access Point	**Note : Mode 1: Transmit_802.11b_2437 MHz**

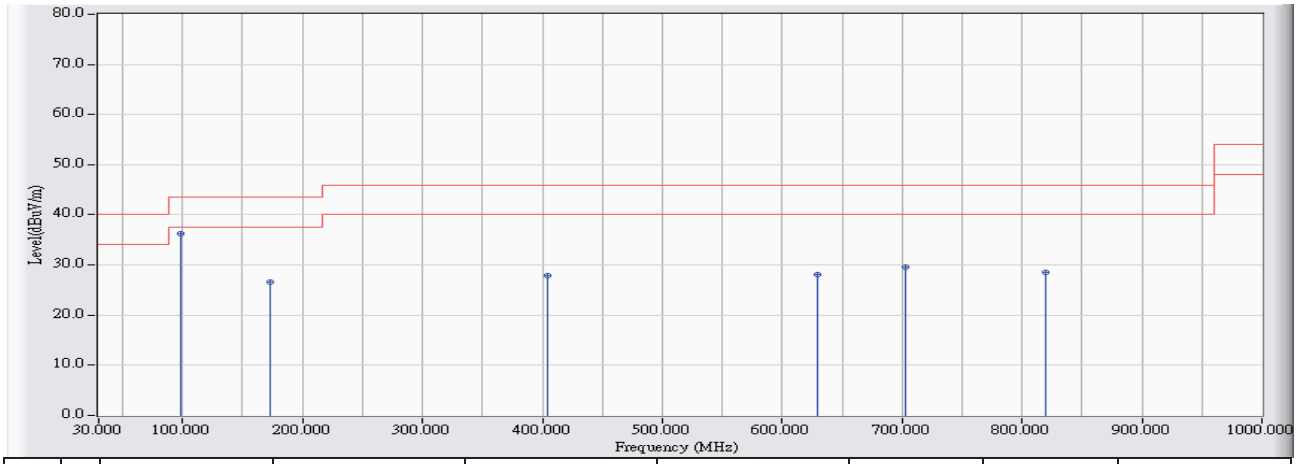


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		151.250	-23.428	50.588	27.160	-16.340	43.500	QUASIPEAK
2		271.530	-20.600	50.412	29.813	-16.187	46.000	QUASIPEAK
3		415.090	-17.255	46.122	28.867	-17.133	46.000	QUASIPEAK
4		531.490	-15.585	41.895	26.310	-19.690	46.000	QUASIPEAK
5		579.990	-15.537	41.981	26.444	-19.556	46.000	QUASIPEAK
6	*	814.730	-13.548	49.931	36.383	-9.617	46.000	QUASIPEAK

Note:

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

Site : CB1	**Time : 2013/12/03 - 19:31**
Limit : FCC_CLASS_B_03M_QP	**Margin : 6**
Probe : CB1_FCC_EFS_30-1G-2_1011 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Access Point	**Note : Mode 1: Transmit_802.11g_2437 MHz**

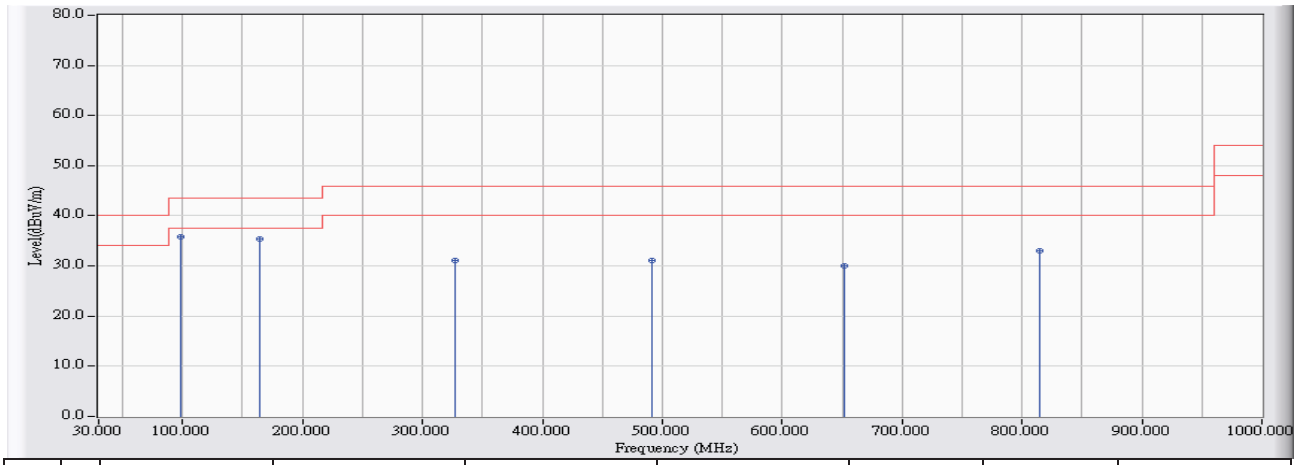


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	98.870	-23.421	59.717	36.295	-7.205	43.500	QUASIPEAK
2		172.590	-24.415	51.072	26.657	-16.843	43.500	QUASIPEAK
3		404.420	-17.460	45.422	27.962	-18.038	46.000	QUASIPEAK
4		629.460	-15.366	43.425	28.058	-17.942	46.000	QUASIPEAK
5		702.210	-14.976	44.642	29.666	-16.334	46.000	QUASIPEAK
6		819.580	-13.536	42.073	28.538	-17.462	46.000	QUASIPEAK

Note:

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

Site : CB1	**Time : 2013/12/03 - 19:35**
Limit : FCC_CLASS_B_03M_QP	**Margin : 6**
Probe : CB1_FCC_EFS_30-1G-2_1011 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Access Point	**Note : Mode 1: Transmit_802.11g_2437 MHz**

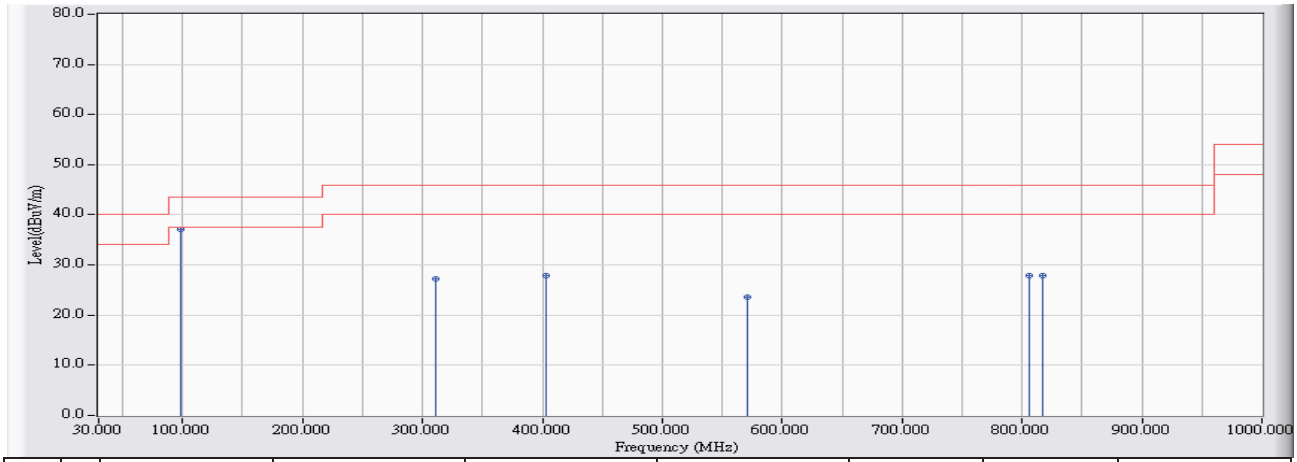


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	98.870	-23.421	59.267	35.845	-7.655	43.500	QUASIPEAK
2		163.860	-24.033	59.326	35.293	-8.207	43.500	QUASIPEAK
3		327.790	-19.352	50.505	31.152	-14.848	46.000	QUASIPEAK
4		490.750	-15.796	46.984	31.188	-14.812	46.000	QUASIPEAK
5		651.770	-15.253	45.377	30.124	-15.876	46.000	QUASIPEAK
6		814.730	-13.548	46.630	33.082	-12.918	46.000	QUASIPEAK

Note:

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

Site : CB1	**Time : 2013/12/03 - 19:41**
Limit : FCC_CLASS_B_03M_QP	**Margin : 6**
Probe : CB1_FCC_EFS_30-1G-2_1011 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Access Point	**Note : Mode 1: Transmit_802.11n 20MHz_2437 MHz**

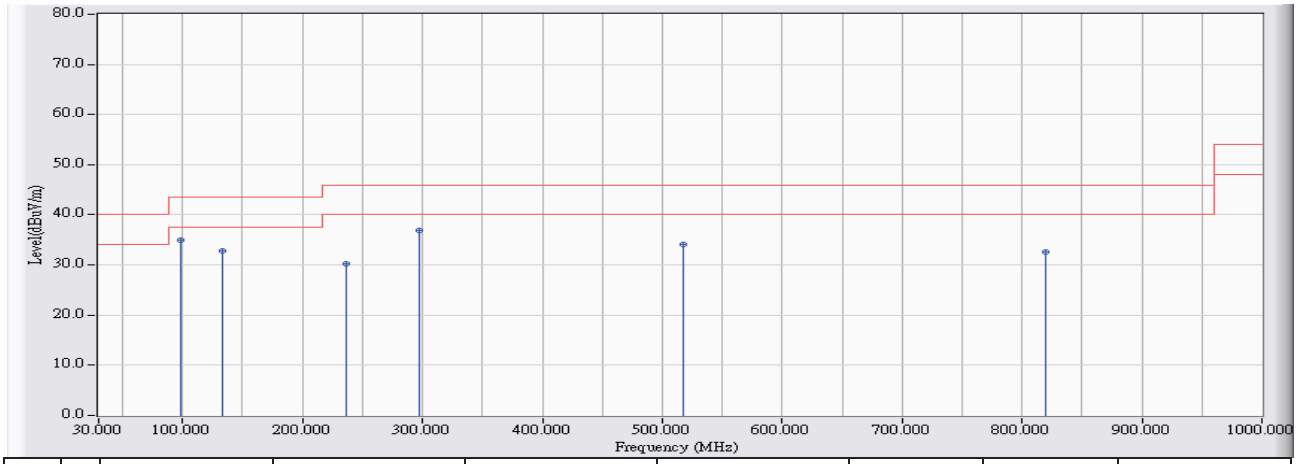


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	98.870	-23.421	60.599	37.177	-6.323	43.500	QUASIPEAK
2		311.300	-19.765	46.912	27.147	-18.853	46.000	QUASIPEAK
3		403.450	-17.478	45.386	27.907	-18.093	46.000	QUASIPEAK
4		571.260	-15.546	39.110	23.564	-22.436	46.000	QUASIPEAK
5		806.000	-13.571	41.554	27.984	-18.016	46.000	QUASIPEAK
6		817.640	-13.541	41.431	27.891	-18.109	46.000	QUASIPEAK

Note:

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

Site : CB1	**Time : 2013/12/03 - 19:53**
Limit : FCC_CLASS_B_03M_QP	**Margin : 6**
Probe : CB1_FCC_EFS_30-1G-2_1011 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Access Point	**Note : Mode 1: Transmit_802.11n 20MHz_2437 MHz**

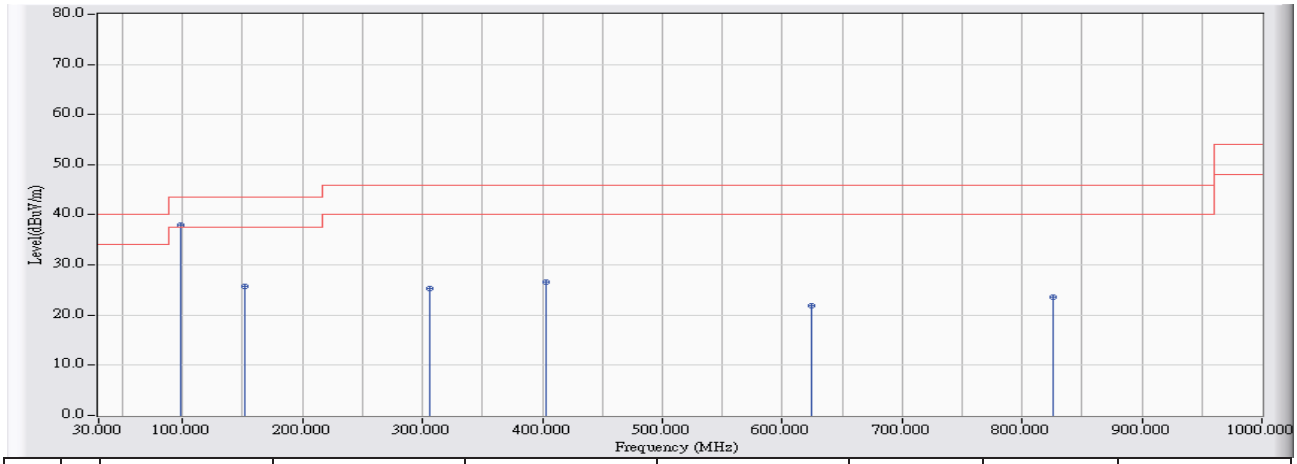


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	98.870	-23.421	58.328	34.906	-8.594	43.500	QUASIPEAK
2		132.820	-22.622	55.490	32.868	-10.632	43.500	QUASIPEAK
3		236.610	-22.040	52.177	30.138	-15.862	46.000	QUASIPEAK
4		297.720	-20.093	57.012	36.920	-9.080	46.000	QUASIPEAK
5		517.910	-15.599	49.688	34.089	-11.911	46.000	QUASIPEAK
6		819.580	-13.536	46.060	32.525	-13.475	46.000	QUASIPEAK

Note:

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

Site : CB1	**Time : 2013/12/03 - 20:07**
Limit : FCC_CLASS_B_03M_QP	**Margin : 6**
Probe : CB1_FCC_EFS_30-1G-2_1011 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Access Point	**Note : Mode 1: Transmit_802.11n 40MHz_2437 MHz**

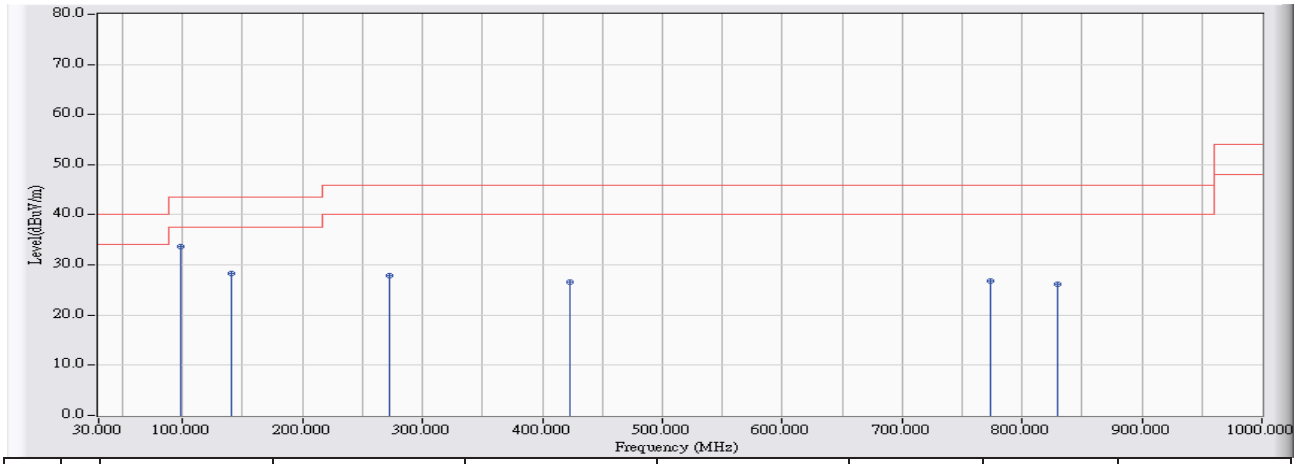


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	98.801	-23.439	61.395	37.957	-5.543	43.500	QUASIPEAK
2		152.098	-23.470	49.302	25.832	-17.668	43.500	QUASIPEAK
3		306.174	-19.894	45.164	25.271	-20.729	46.000	QUASIPEAK
4		403.077	-17.486	44.034	26.548	-19.452	46.000	QUASIPEAK
5		624.985	-15.389	37.228	21.839	-24.161	46.000	QUASIPEAK
6		825.574	-13.520	37.096	23.576	-22.424	46.000	QUASIPEAK

Note:

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

Site : CB1	**Time : 2013/12/03 - 20:12**
Limit : FCC_CLASS_B_03M_QP	**Margin : 6**
Probe : CB1_FCC_EFS_30-1G-2_1011 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Access Point	**Note : Mode 1: Transmit_802.11n 40MHz_2437 MHz**



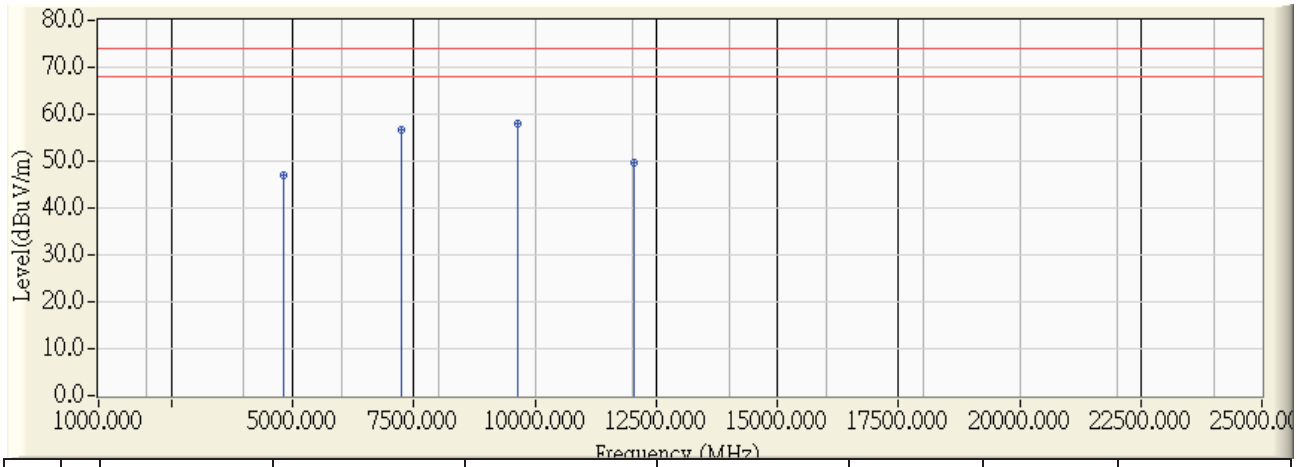
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	98.801	-23.439	57.079	33.641	-9.859	43.500	QUASIPEAK
2		140.470	-22.892	51.232	28.340	-15.160	43.500	QUASIPEAK
3		272.258	-20.584	48.514	27.929	-18.071	46.000	QUASIPEAK
4		422.458	-17.112	43.675	26.563	-19.437	46.000	QUASIPEAK
5		773.247	-13.966	40.832	26.866	-19.134	46.000	QUASIPEAK
6		829.451	-13.510	39.694	26.184	-19.816	46.000	QUASIPEAK

Note:

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

Above 1GHz Spurious

Site : CB1	**Time : 2013/12/05 - 14:57**
Limit : FCC_SpartC_15.247_H_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Access Point	**Note : 802.11b_2412MHz**

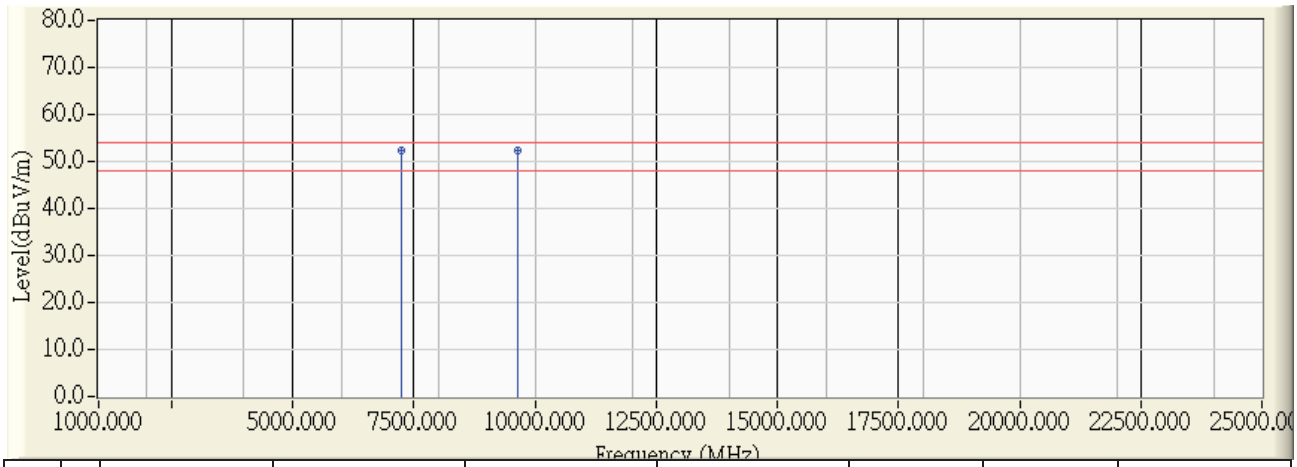


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4824.135	-0.616	47.760	47.144	-26.856	74.000	PEAK
2		7236.000	5.445	51.130	56.575	-17.425	74.000	PEAK
3	*	9648.000	9.226	48.680	57.906	-16.094	74.000	PEAK
4		12059.280	11.115	38.640	49.756	-24.244	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 : 2013/12/05 - 14:58**
Limit : FCC_SpartC_15.247_H_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Access Point	**Note : 802.11b_2412MHz**

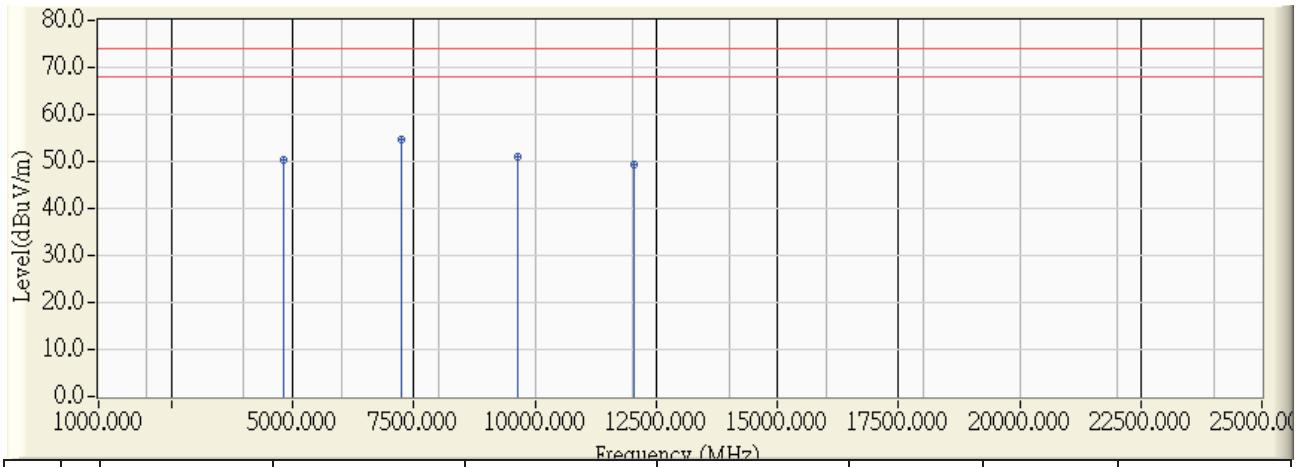


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	7235.220	5.443	47.010	52.454	-1.546	54.000	AVERAGE
2		9648.005	9.226	43.220	52.446	-1.554	54.000	AVERAGE

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 : 2013/12/05 - 15:12**
Limit : FCC_SpartC_15.247_H_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Access Point	**Note : 802.11b_2412MHz**

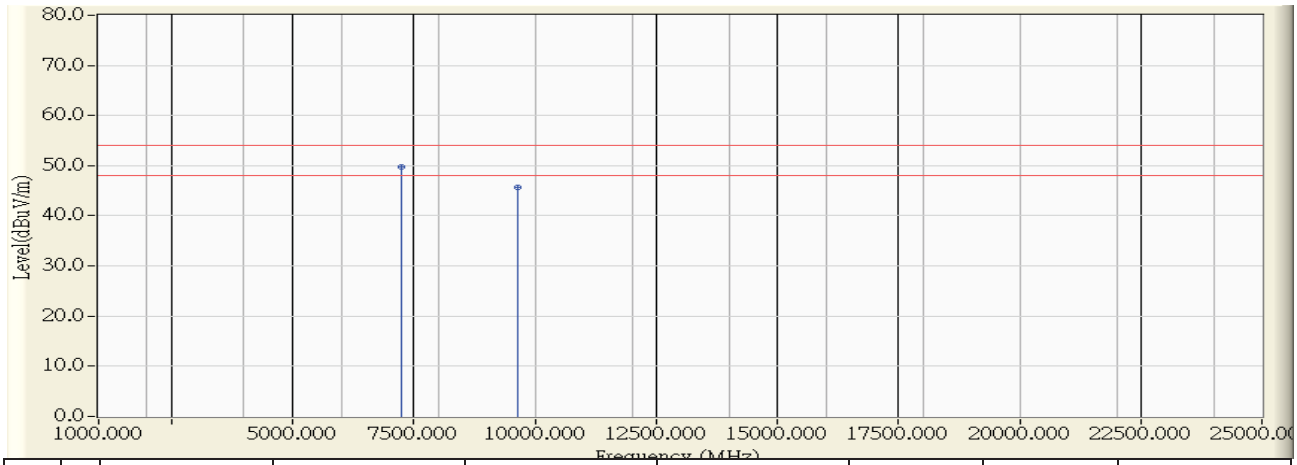


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4824.160	-0.616	50.990	50.374	-23.626	74.000	PEAK
2	*	7235.820	5.445	49.080	54.525	-19.475	74.000	PEAK
3		9647.825	9.225	41.810	51.035	-22.965	74.000	PEAK
4		12060.210	11.115	38.360	49.475	-24.525	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 : 2013/12/05 - 15:18**
Limit : FCC_SpartC_15.247_H_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Access Point	**Note : 802.11b_2412MHz**

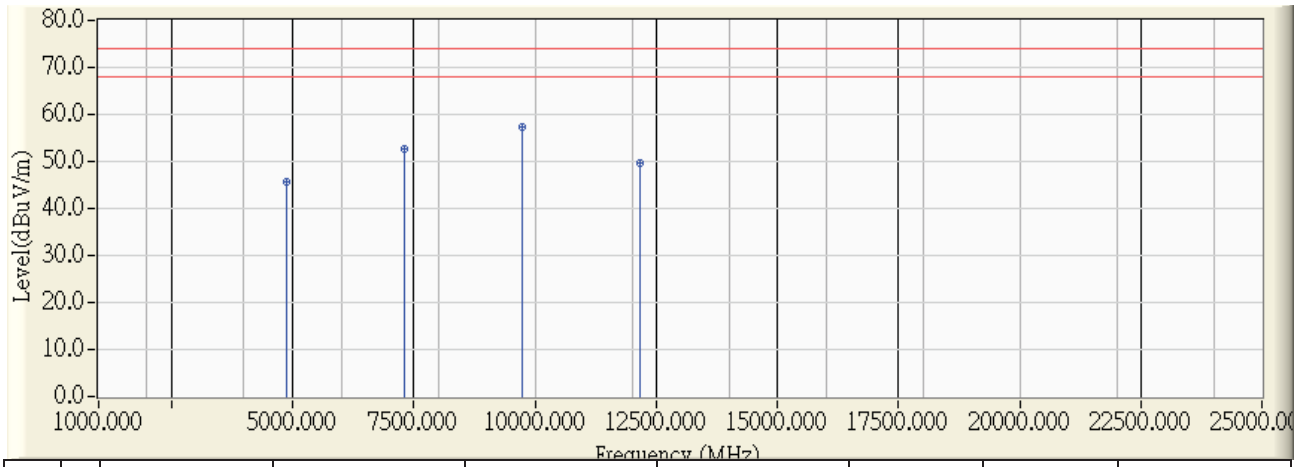


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	7235.220	5.443	44.280	49.724	-4.276	54.000	AVERAGE
2		9648.057	9.226	36.460	45.686	-8.314	54.000	AVERAGE

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 : 2013/12/05 - 14:26**
Limit : FCC_SpartC_15.247_H_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Access Point	**Note : 802.11b_2437MHz**

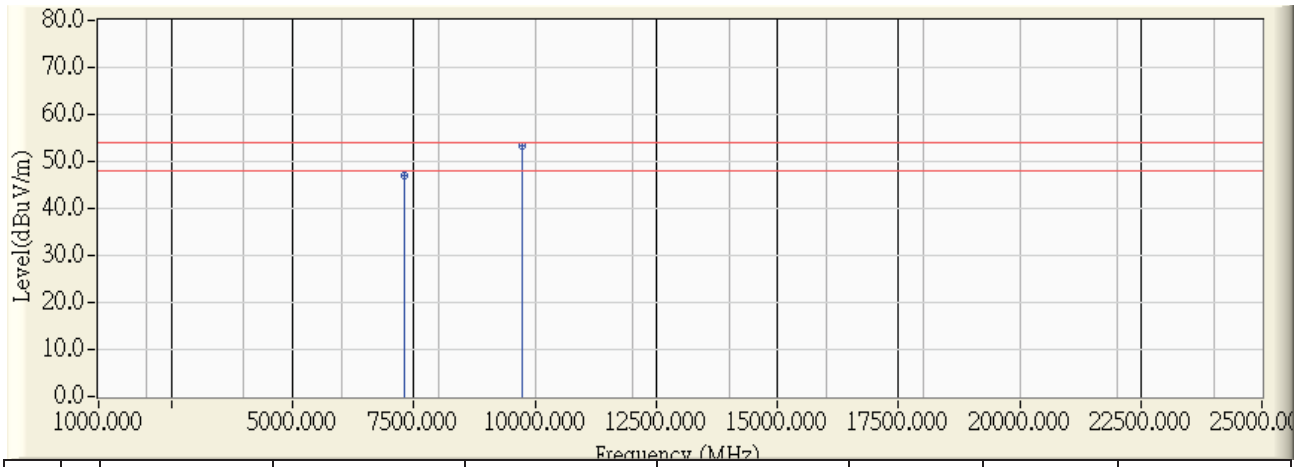


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4873.950	-0.495	46.270	45.775	-28.225	74.000	PEAK
2		7313.600	5.613	47.050	52.663	-21.337	74.000	PEAK
3	*	9748.020	9.873	47.520	57.393	-16.607	74.000	PEAK
4		12184.440	11.059	38.620	49.679	-24.321	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 : 2013/12/05 - 14:26**
Limit : FCC_SpartC_15.247_H_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Access Point	**Note : 802.11b_2437MHz**

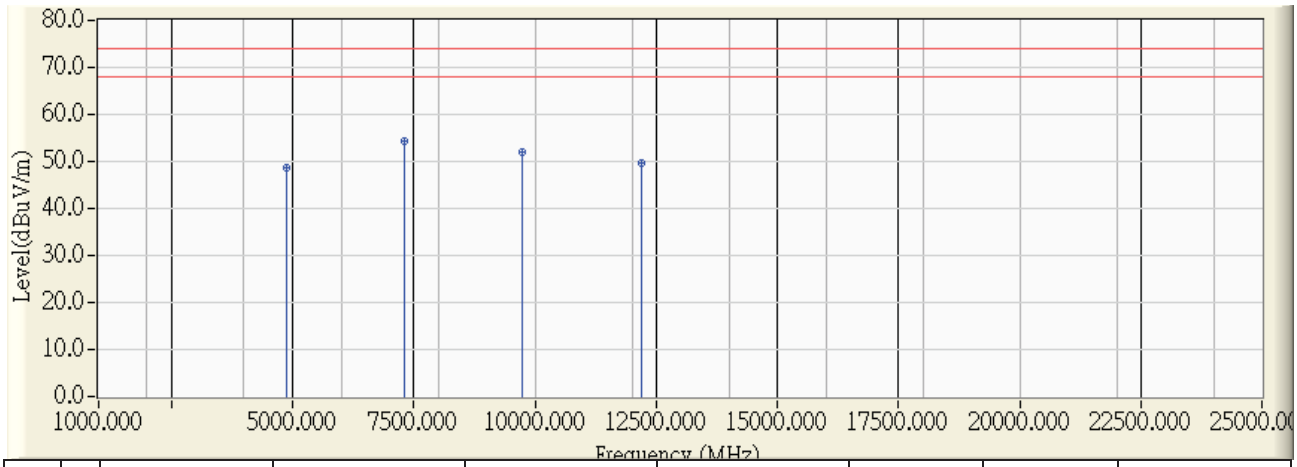


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		7311.740	5.609	41.550	47.159	-6.841	54.000	AVERAGE
2	*	9747.985	9.873	43.485	53.358	-0.642	54.000	AVERAGE

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 : 2013/12/05 - 14:08**
Limit : FCC_SpartC_15.247_H_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Access Point	**Note : 802.11b_2437MHz**

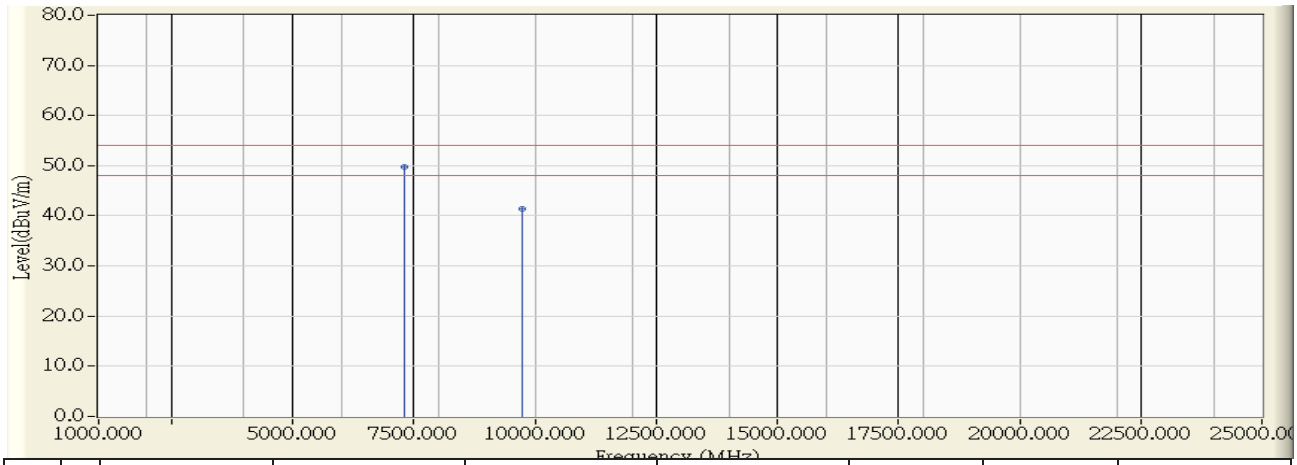


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4873.960	-0.495	49.160	48.665	-25.335	74.000	PEAK
2	*	7311.100	5.608	48.620	54.228	-19.772	74.000	PEAK
3		9747.965	9.873	42.010	51.883	-22.117	74.000	PEAK
4		12186.695	11.058	38.520	49.578	-24.422	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 : 2013/12/05 - 14:07**
Limit : FCC_SpartC_15.247_H_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Access Point	**Note : 802.11b_2437MHz**

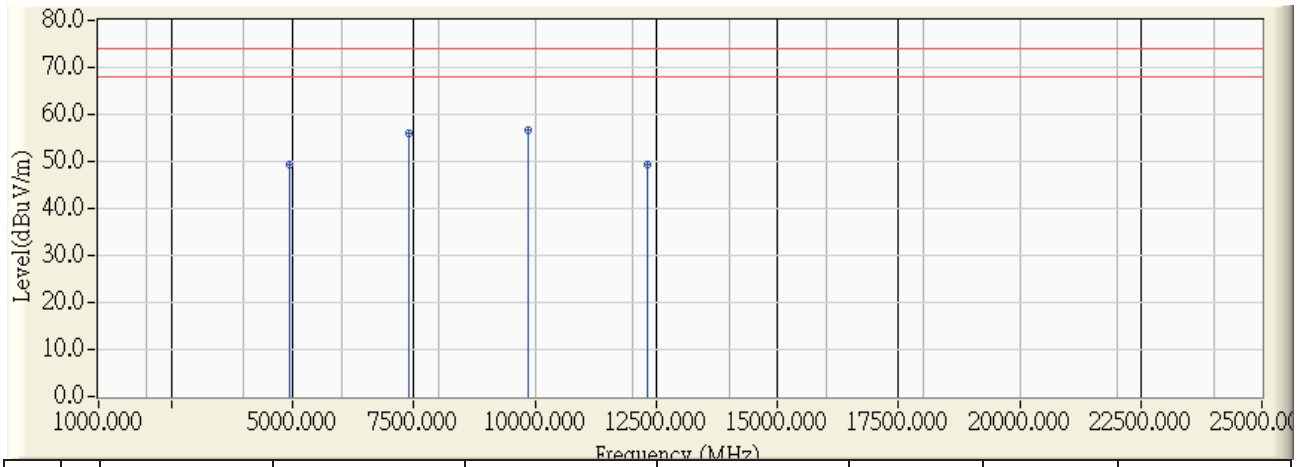


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	7310.200	5.605	44.240	49.846	-4.154	54.000	AVERAGE
2		9748.093	9.874	31.570	41.444	-12.556	54.000	AVERAGE

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 : 2013/12/05 - 13:44**
Limit : FCC_SpartC_15.247_H_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Access Point	**Note : 802.11b_2462MHz**

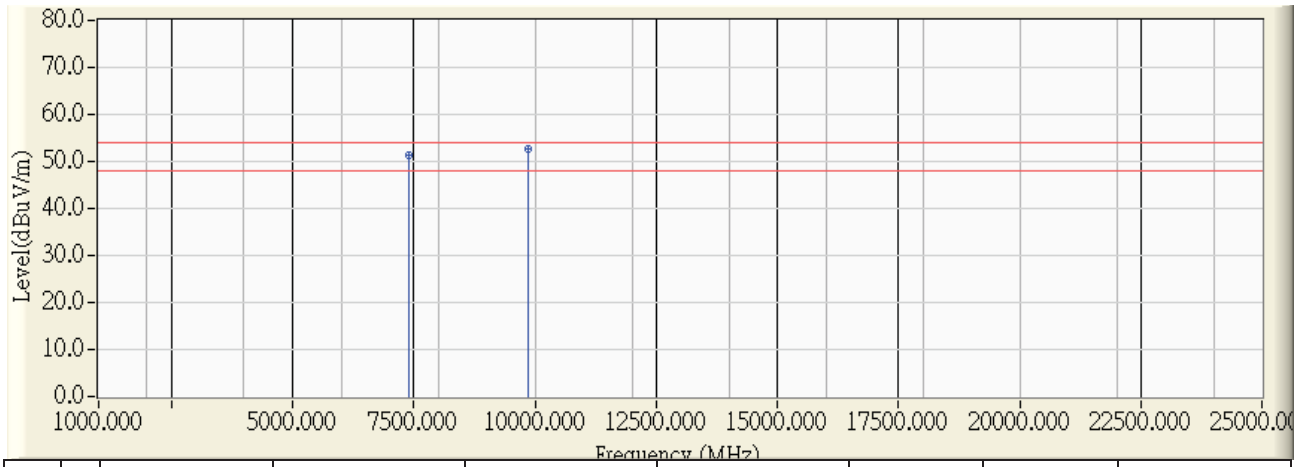


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4924.000	-0.373	49.810	49.437	-24.563	74.000	PEAK
2		7386.000	5.770	50.260	56.030	-17.970	74.000	PEAK
3	*	9848.000	10.521	46.120	56.641	-17.359	74.000	PEAK
4		12310.000	11.001	38.200	49.201	-24.799	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 : 2013/12/05 - 13:45**
Limit : FCC_SpartC_15.247_H_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Access Point	**Note : 802.11b_2462MHz**

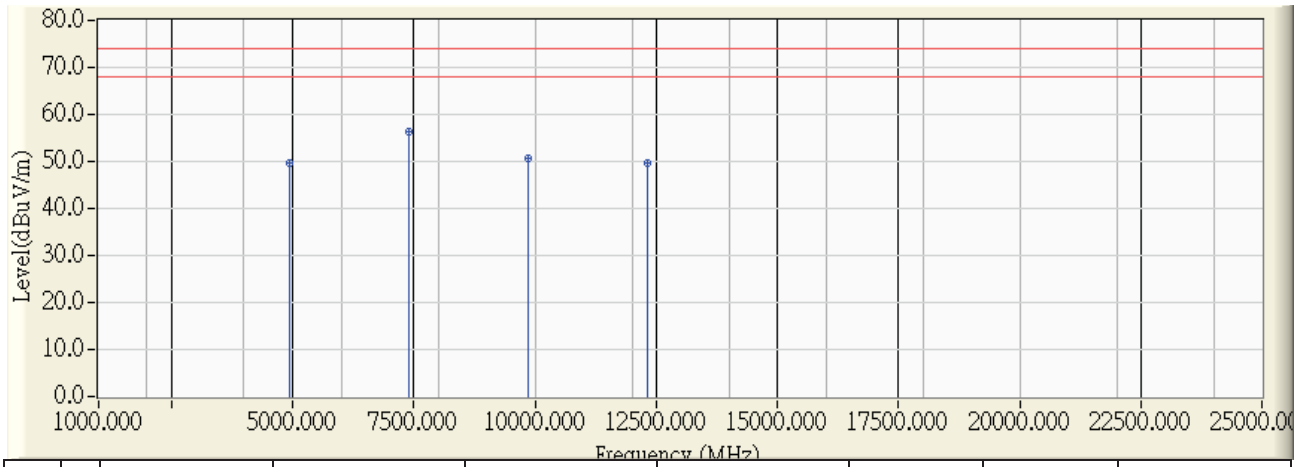


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		7386.000	5.770	45.700	51.470	-2.530	54.000	AVERAGE
2	*	9848.000	10.521	42.190	52.711	-1.289	54.000	AVERAGE

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 : 2013/12/05 - 13:40**
Limit : FCC_SpartC_15.247_H_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Access Point	**Note : 802.11b_2462MHz**

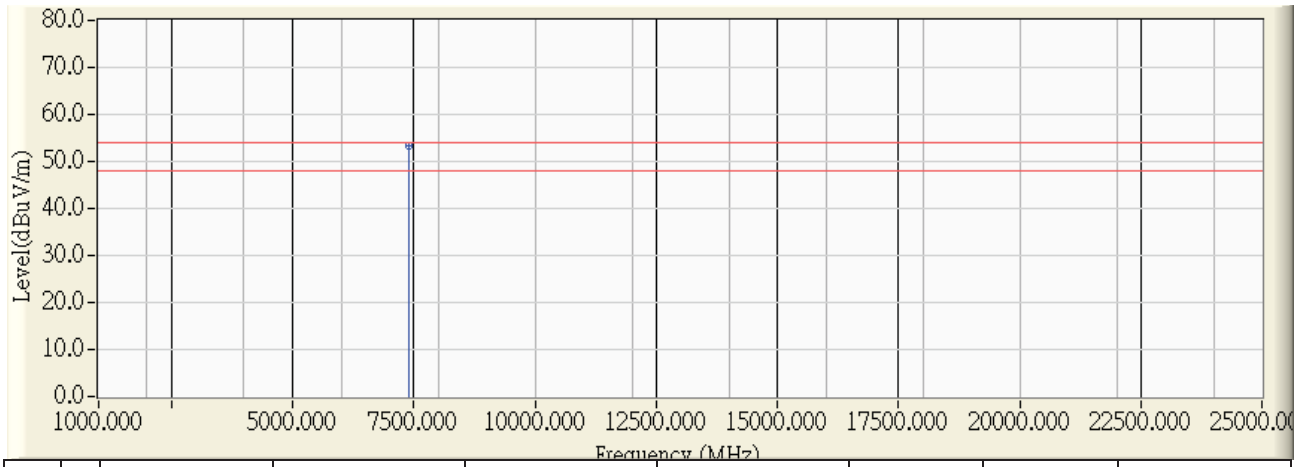


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4924.000	-0.373	49.980	49.607	-24.393	74.000	PEAK
2	*	7386.000	5.770	50.490	56.260	-17.740	74.000	PEAK
3		9848.000	10.521	40.160	50.681	-23.319	74.000	PEAK
4		12310.000	11.001	38.530	49.531	-24.469	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 : 2013/12/05 - 13:39**
Limit : FCC_SpartC_15.247_H_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Access Point	**Note : 802.11b_2462MHz**

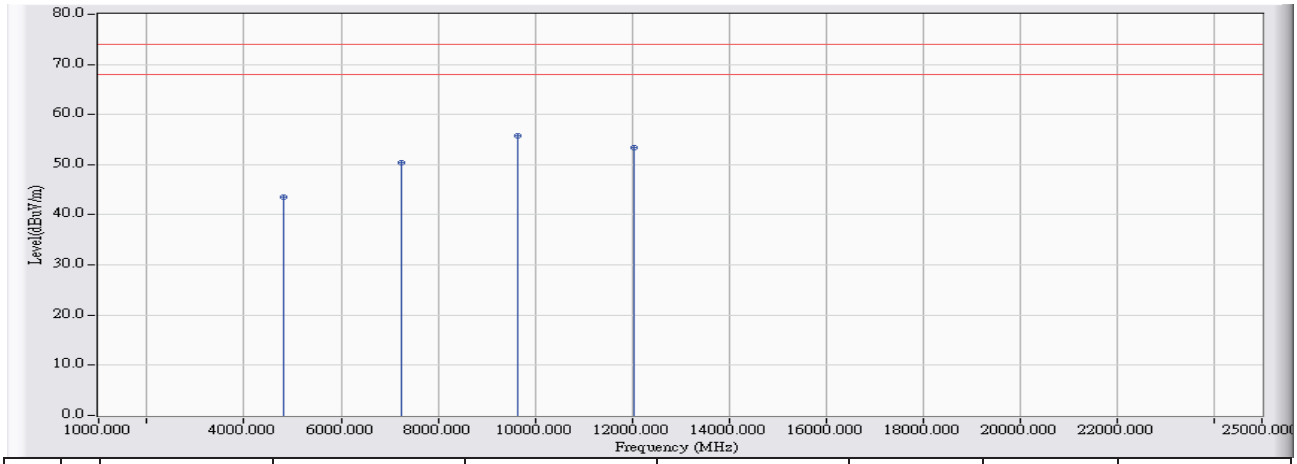


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	7386.000	5.770	47.420	53.190	-0.810	54.000	AVERAGE

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 : 2014/01/02 - 16:32**
Limit : FCC_SpartC_15.247_H_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Access Point	**Note : 802.11g_2412MHz**

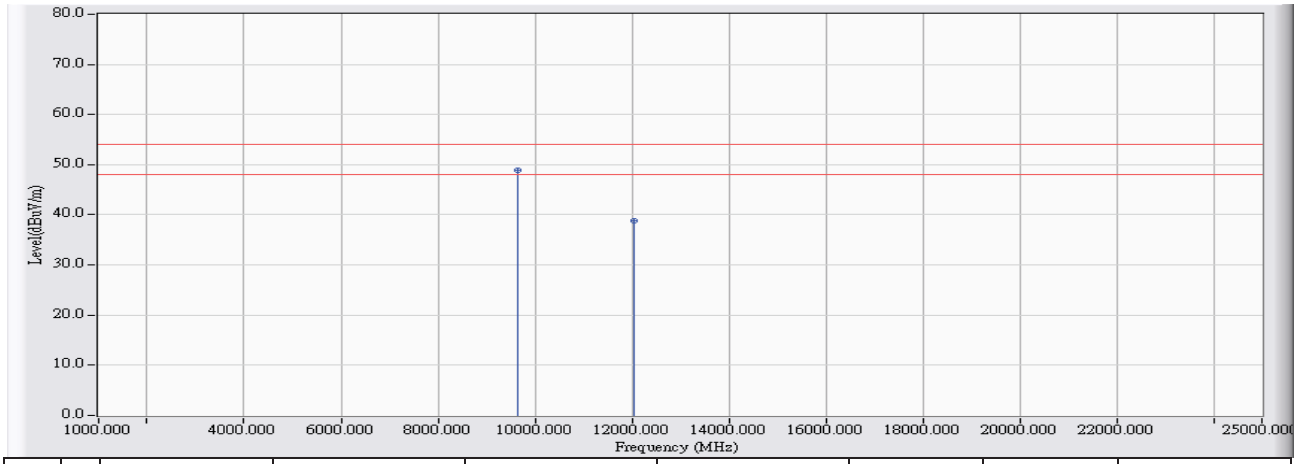


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4823.300	-0.875	44.443	43.568	-30.432	74.000	PEAK
2		7238.100	5.674	44.817	50.490	-23.510	74.000	PEAK
3	*	9647.605	9.863	45.814	55.677	-18.323	74.000	PEAK
4		12050.340	11.733	41.620	53.352	-20.648	74.000	PEAK

Note:

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

Site : CB1	**Time : 2014/01/02 - 16:37**
Limit : FCC_SpartC_15.247_H_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Access Point	**Note : 802.11g_2412MHz**

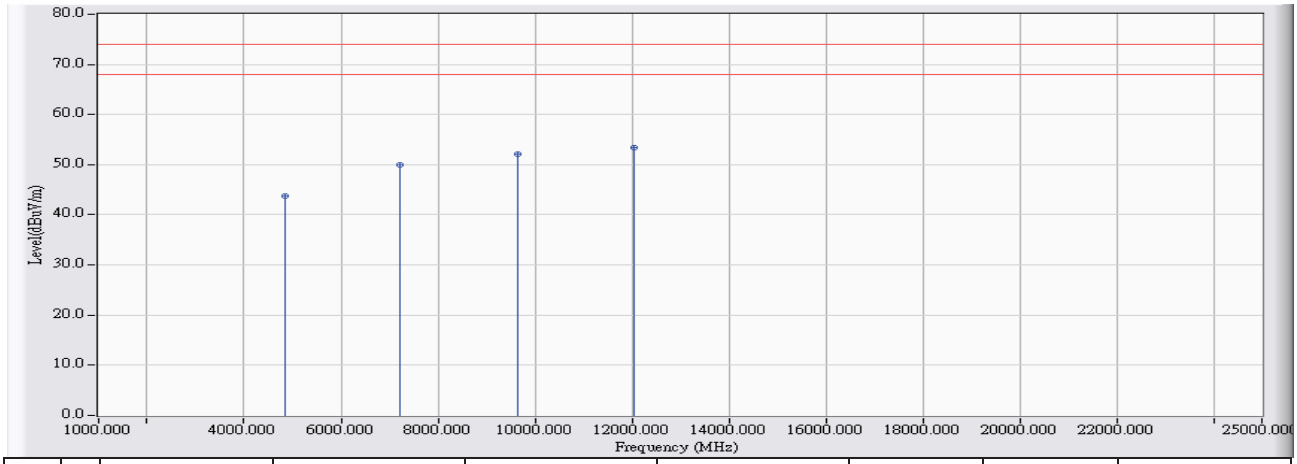


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	9647.820	9.864	38.982	48.846	-5.154	54.000	AVERAGE
2		12050.420	11.733	27.056	38.788	-15.212	54.000	AVERAGE

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 : 2014/01/02 - 16:48**
Limit : FCC_SpartC_15.247_H_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Access Point	**Note : 802.11g_2412MHz**

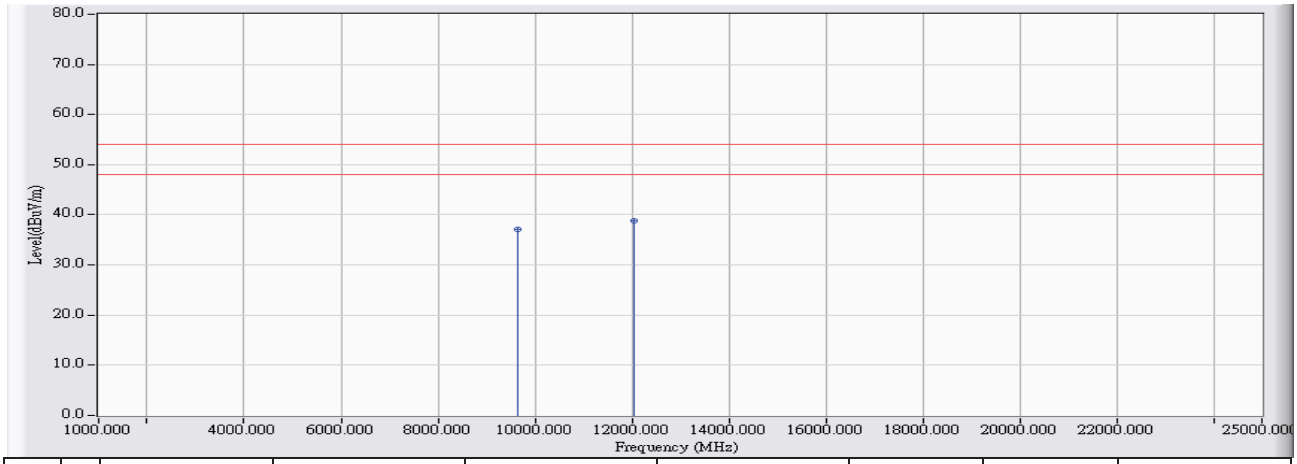


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4833.820	-0.843	44.561	43.718	-30.282	74.000	PEAK
2		7229.280	5.649	44.383	50.032	-23.968	74.000	PEAK
3		9657.120	9.891	42.247	52.138	-21.862	74.000	PEAK
4	*	12053.340	11.736	41.744	53.480	-20.520	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 : 2014/01/02 - 16:49**
Limit : FCC_SpartC_15.247_H_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Access Point	**Note : 802.11g_2412MHz**

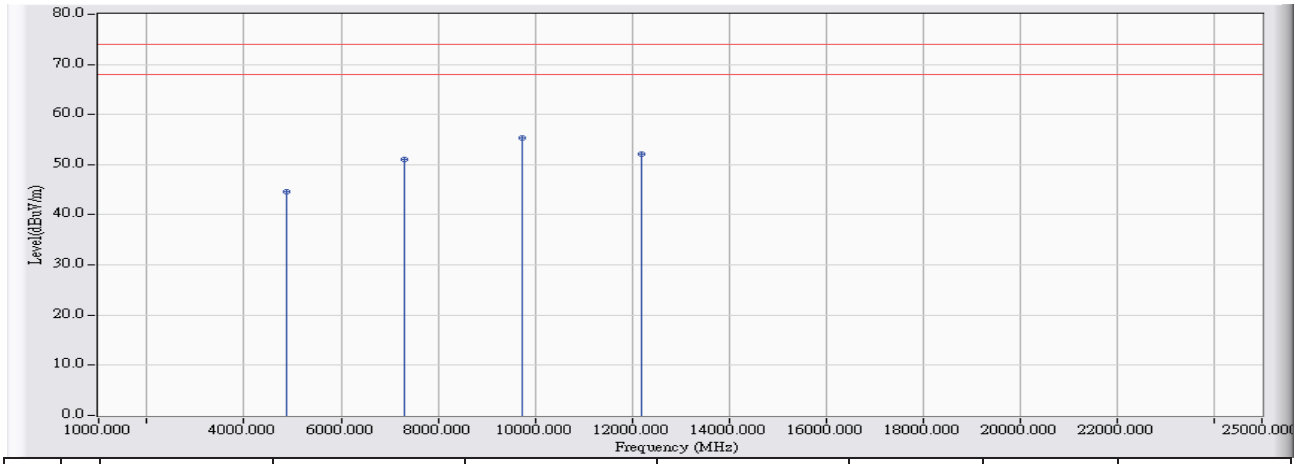


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		9647.925	9.864	27.334	37.198	-16.802	54.000	AVERAGE
2	*	12050.120	11.732	27.085	38.817	-15.183	54.000	AVERAGE

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 : 2014/01/02 - 16:59**
Limit : FCC_SpartC_15.247_H_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Access Point	**Note : 802.11g_2437MHz**

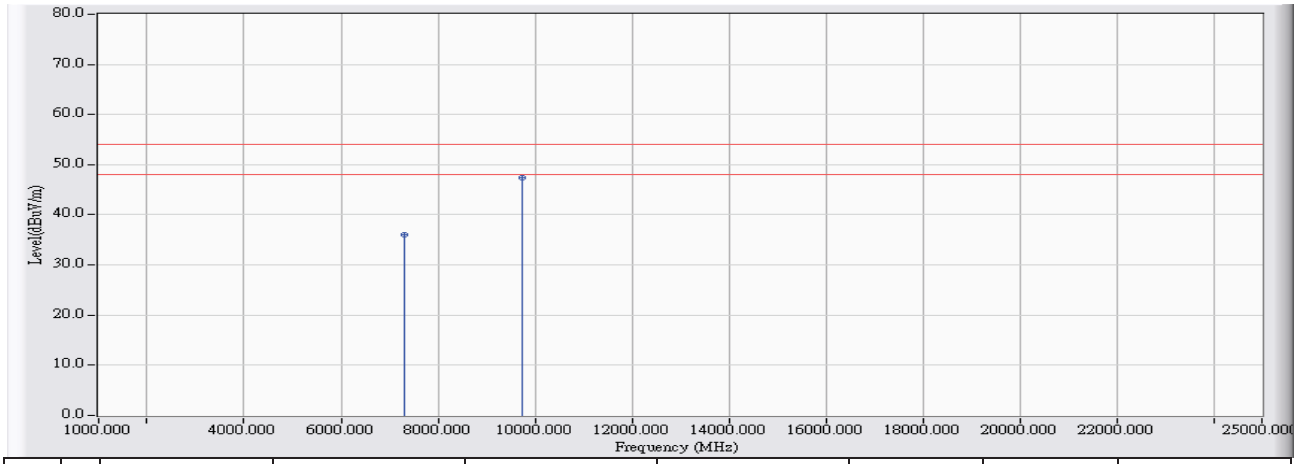


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4875.400	-0.715	45.372	44.657	-29.343	74.000	PEAK
2		7307.480	5.862	45.245	51.108	-22.892	74.000	PEAK
3	*	9747.775	10.162	45.214	55.375	-18.625	74.000	PEAK
4		12186.465	11.906	40.296	52.202	-21.798	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 : 2014/01/02 - 16:59**
Limit : FCC_SpartC_15.247_H_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Access Point	**Note : 802.11g_2437MHz**

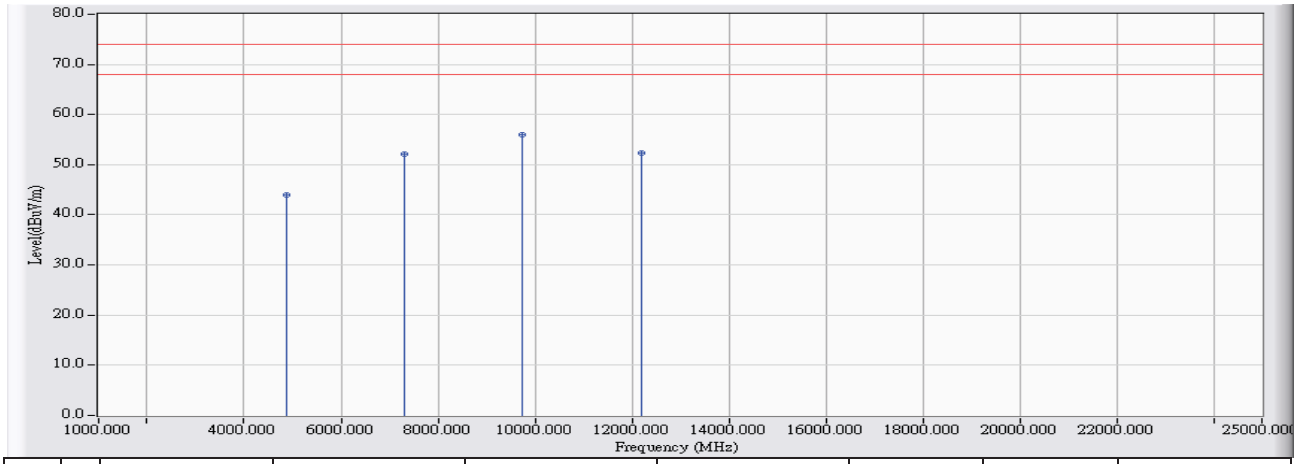


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		7309.395	5.869	30.093	35.962	-18.038	54.000	AVERAGE
2	*	9747.815	10.162	37.218	47.380	-6.620	54.000	AVERAGE

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 : 2014/01/02 - 20:24**
Limit : FCC_SpartC_15.247_H_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Access Point	**Note : 802.11g_2437MHz**

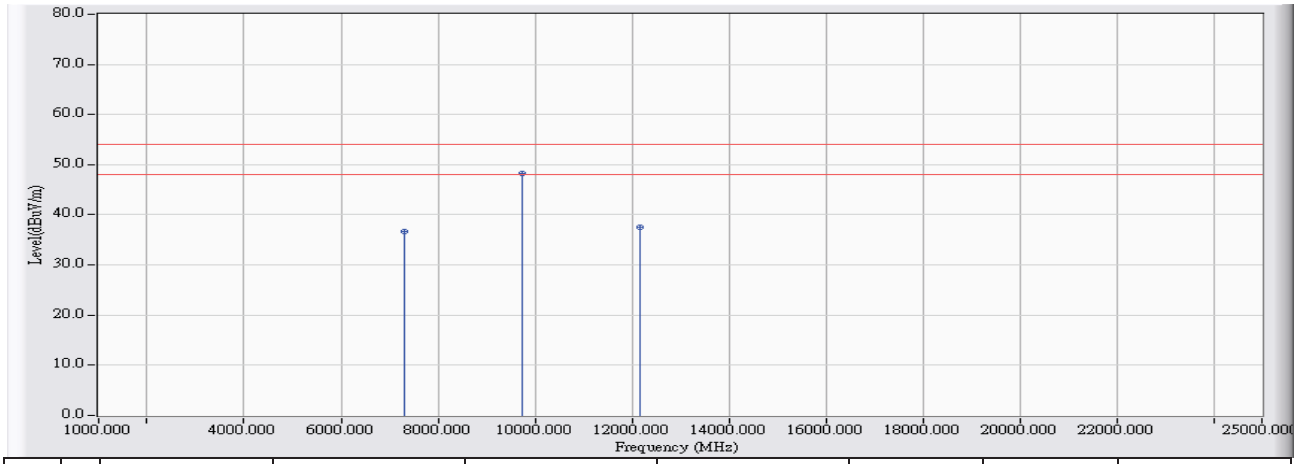


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4878.960	-0.704	44.748	44.044	-29.956	74.000	PEAK
2		7309.200	5.868	46.250	52.118	-21.882	74.000	PEAK
3	*	9747.940	10.162	45.748	55.910	-18.090	74.000	PEAK
4		12184.990	11.904	40.492	52.396	-21.604	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 : 2014/01/02 - 21:13**
Limit : FCC_SpartC_15.247_H_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Access Point	**Note : 802.11g_2437MHz**

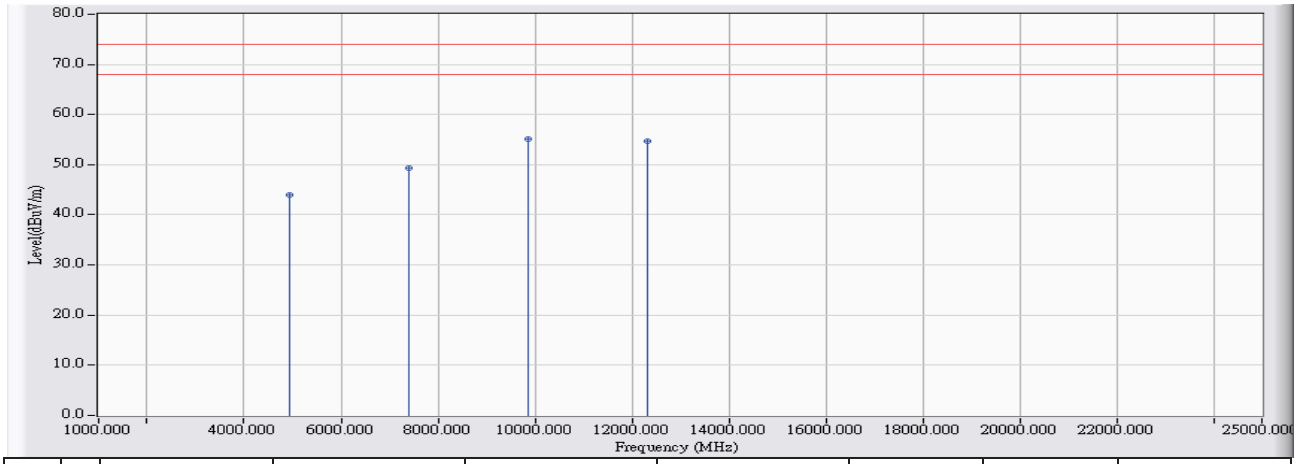


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		7308.410	5.867	30.703	36.569	-17.431	54.000	AVERAGE
2	*	9747.825	10.162	37.996	48.158	-5.842	54.000	AVERAGE
3		12180.220	11.898	25.694	37.592	-16.408	54.000	AVERAGE

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 : 2014/01/02 - 21:21**
Limit : FCC_SpartC_15.247_H_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Access Point	**Note : 802.11g_2462MHz**

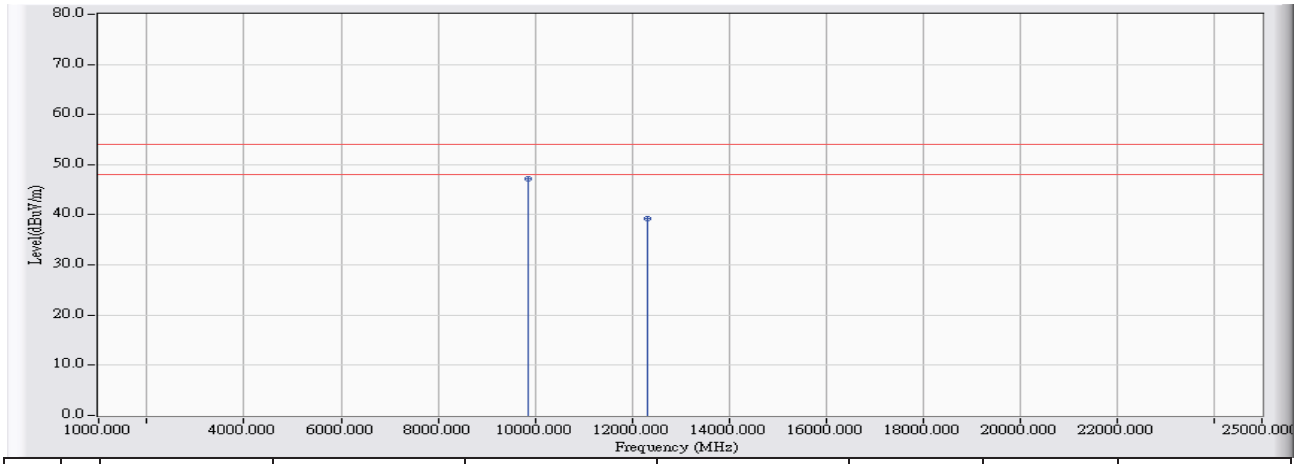


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4923.510	-0.567	44.484	43.917	-30.083	74.000	PEAK
2		7384.795	6.076	43.161	49.237	-24.763	74.000	PEAK
3	*	9847.750	10.458	44.752	55.211	-18.789	74.000	PEAK
4		12308.930	12.063	42.643	54.706	-19.294	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 : 2014/01/02 - 21:22**
Limit : FCC_SpartC_15.247_H_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Access Point	**Note : 802.11g_2462MHz**

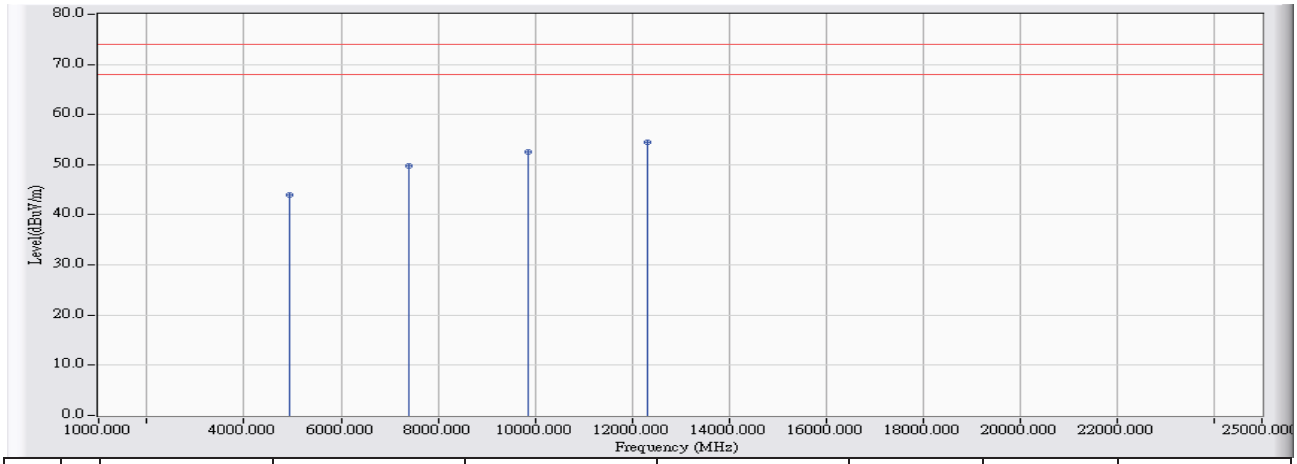


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	9847.780	10.459	36.750	47.209	-6.791	54.000	AVERAGE
2		12312.160	12.066	27.218	39.285	-14.715	54.000	AVERAGE

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 : 2014/01/02 - 21:28**
Limit : FCC_SpartC_15.247_H_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Access Point	**Note : 802.11g_2462MHz**

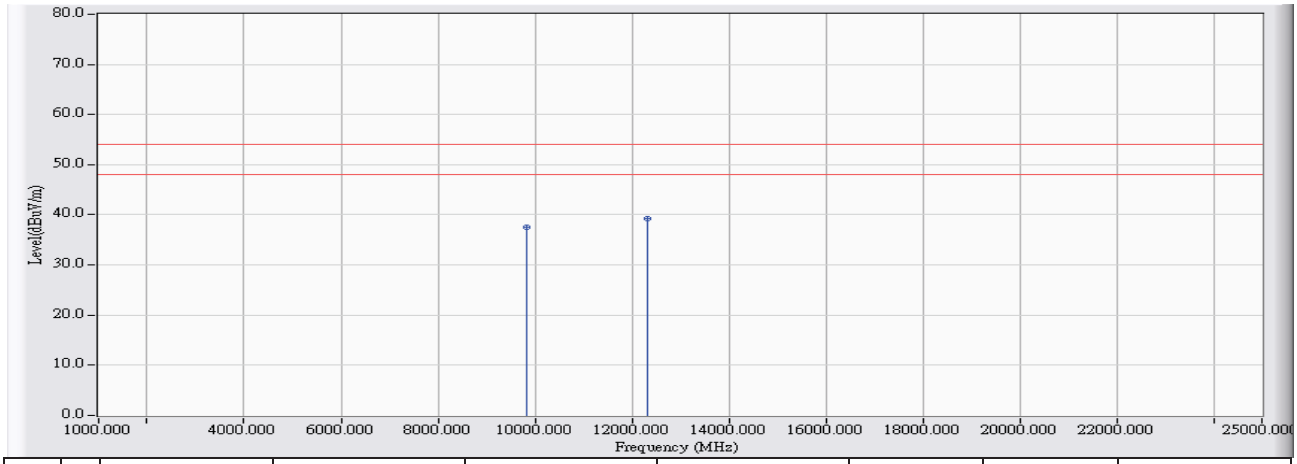


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4925.505	-0.561	44.441	43.880	-30.120	74.000	PEAK
2		7385.735	6.078	43.720	49.798	-24.202	74.000	PEAK
3		9847.505	10.458	42.135	52.593	-21.407	74.000	PEAK
4	*	12312.490	12.067	42.464	54.531	-19.469	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 : 2014/01/02 - 21:29**
Limit : FCC_SpartC_15.247_H_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Access Point	**Note : 802.11g_2462MHz**

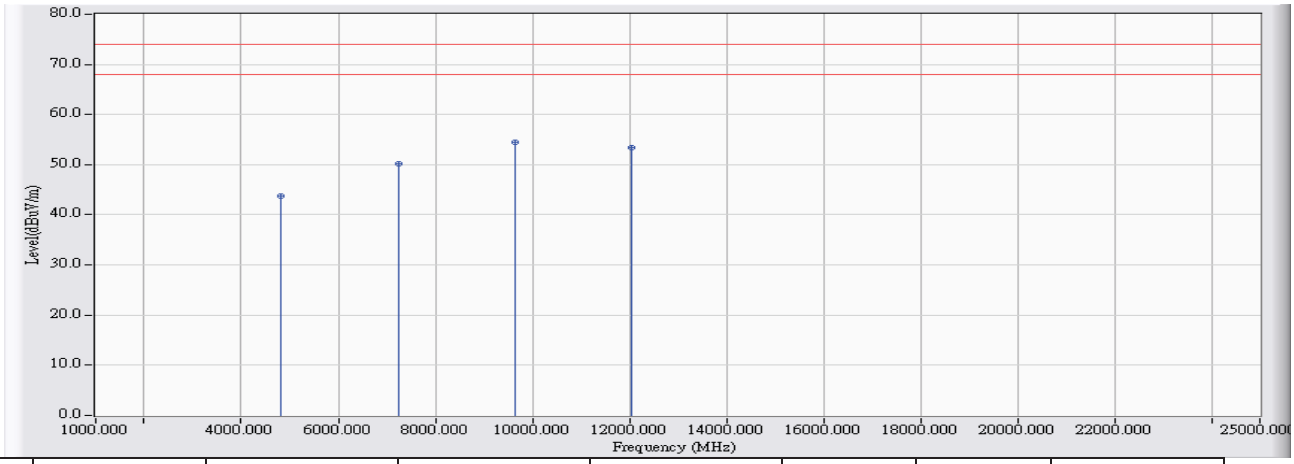


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		9843.000	10.445	27.132	37.577	-16.423	54.000	AVERAGE
2	*	12311.870	12.067	27.232	39.299	-14.701	54.000	AVERAGE

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 : 2014/01/02 - 21:37**
Limit : FCC_SpartC_15.247_H_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Access Point	**Note : 802.11n20M_2412MHz**

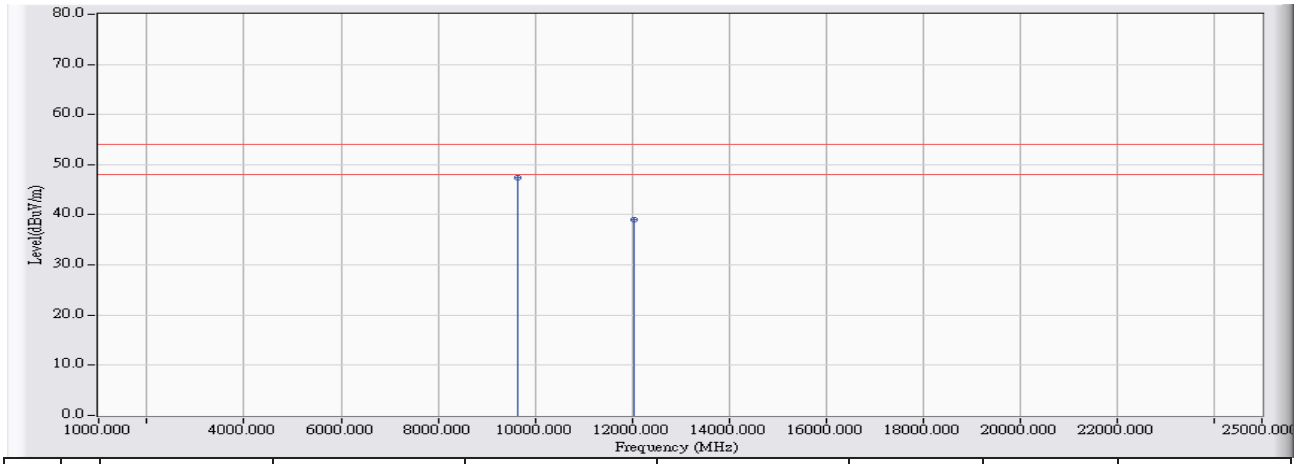


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4826.870	-0.865	44.658	43.794	-30.206	74.000	PEAK
2		7239.150	5.676	44.549	50.225	-23.775	74.000	PEAK
3	*	9647.810	9.864	44.691	54.555	-19.445	74.000	PEAK
4		12057.520	11.741	41.647	53.388	-20.612	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 : 2014/01/02 - 21:37**
Limit : FCC_SpartC_15.247_H_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Access Point	**Note : 802.11n20M_2412MHz**

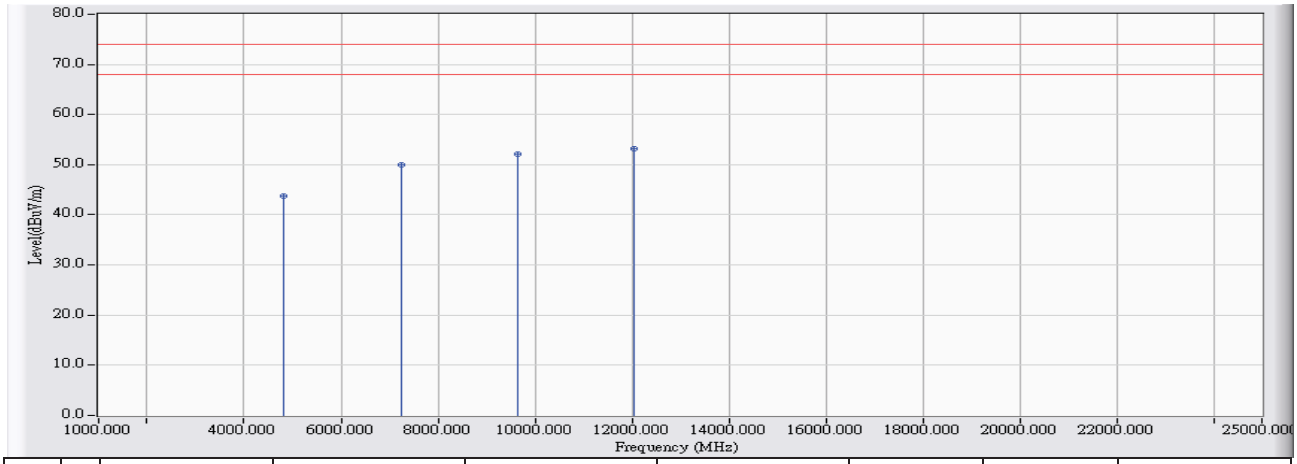


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	9647.800	9.864	37.439	47.303	-6.697	54.000	AVERAGE
2		12055.877	11.739	27.245	38.984	-15.016	54.000	AVERAGE

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 : 2014/01/02 - 21:44**
Limit : FCC_SpartC_15.247_H_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Access Point	**Note : 802.11n20M_2412MHz**

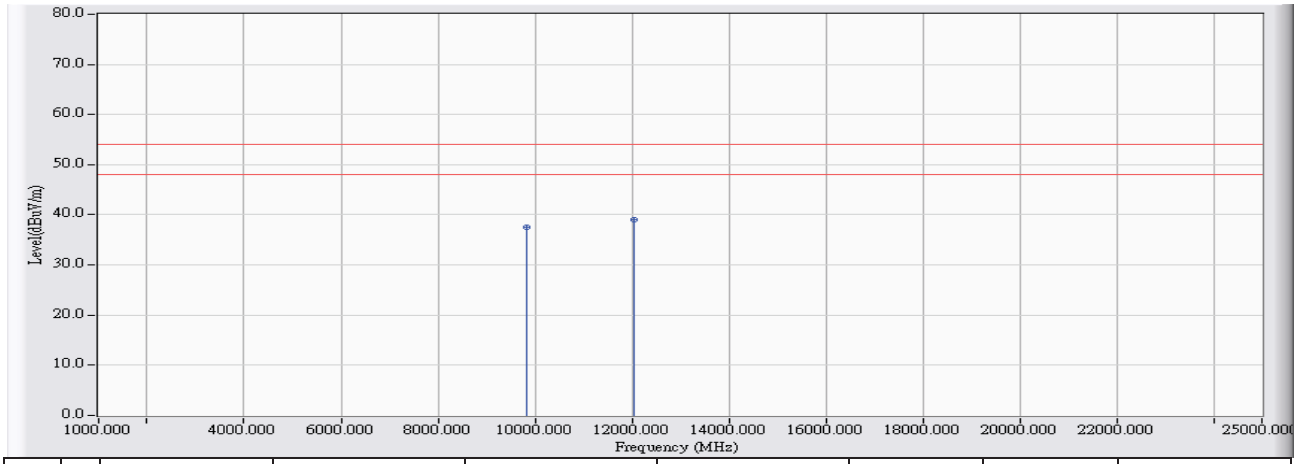


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4825.270	-0.870	44.555	43.686	-30.314	74.000	PEAK
2		7239.620	5.677	44.235	49.912	-24.088	74.000	PEAK
3		9652.830	9.879	42.268	52.147	-21.853	74.000	PEAK
4	*	12056.670	11.740	41.397	53.137	-20.863	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 : 2014/01/02 - 21:45**
Limit : FCC_SpartC_15.247_H_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Access Point	**Note : 802.11n20M_2412MHz**

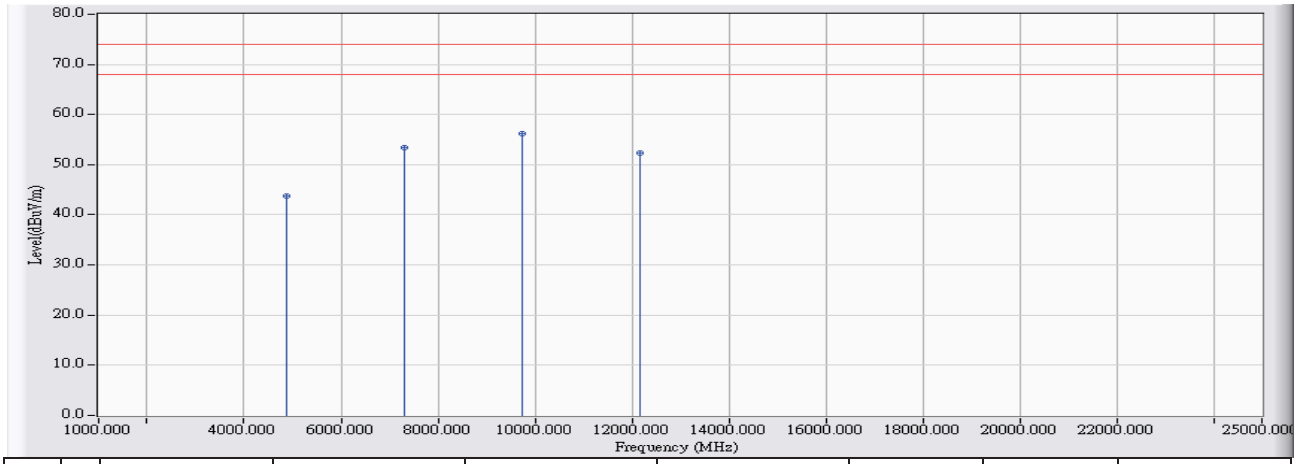


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		9842.720	10.444	27.177	37.621	-16.379	54.000	AVERAGE
2	*	12055.540	11.739	27.215	38.954	-15.046	54.000	AVERAGE

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 : 2014/01/02 - 21:49**
Limit : FCC_SpartC_15.247_H_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Access Point	**Note : 802.11n20M_2437MHz**

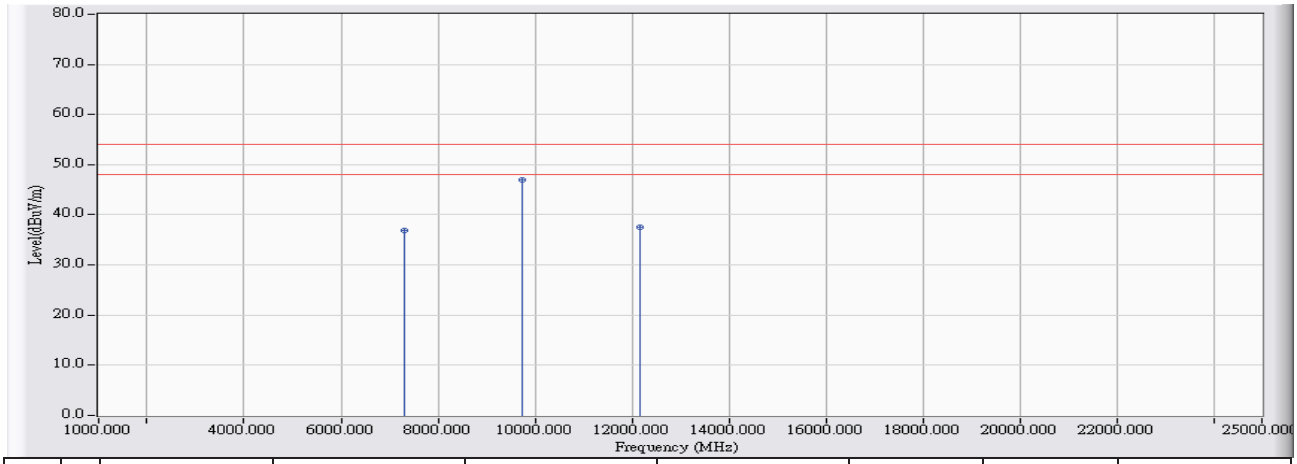


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4873.930	-0.720	44.577	43.858	-30.142	74.000	PEAK
2		7310.630	5.872	47.598	53.470	-20.530	74.000	PEAK
3	*	9748.100	10.162	46.128	56.290	-17.710	74.000	PEAK
4		12180.770	11.899	40.448	52.347	-21.653	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 : 2014/01/02 - 21:49**
Limit : FCC_SpartC_15.247_H_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Access Point	**Note : 802.11n20M_2437MHz**

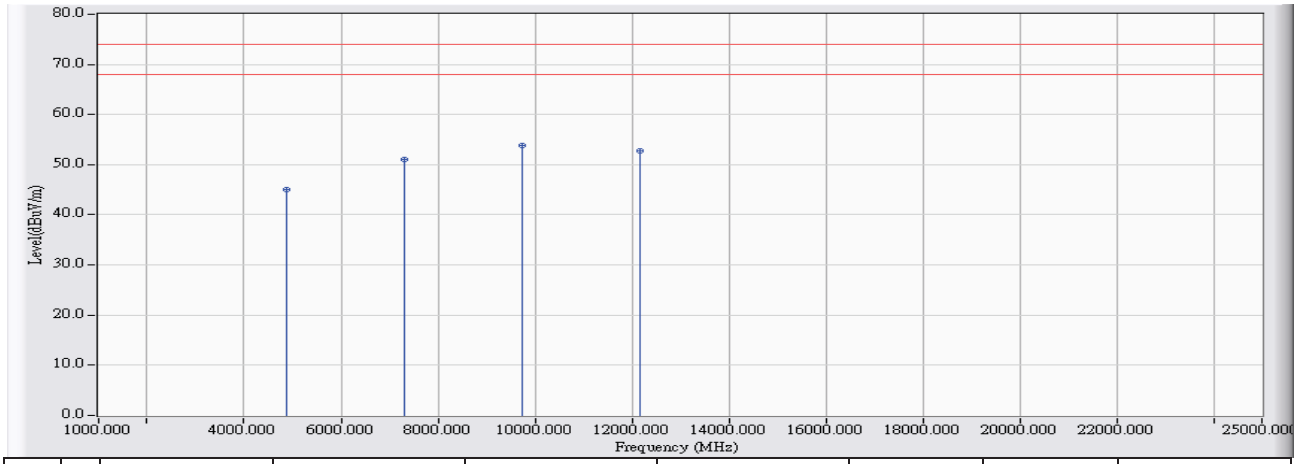


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		7306.000	5.859	30.958	36.817	-17.183	54.000	AVERAGE
2	*	9747.790	10.162	36.710	46.871	-7.129	54.000	AVERAGE
3		12177.060	11.894	25.674	37.568	-16.432	54.000	AVERAGE

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 : 2014/01/02 - 21:56**
Limit : FCC_SpartC_15.247_H_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Access Point	**Note : 802.11n20M_2437MHz**

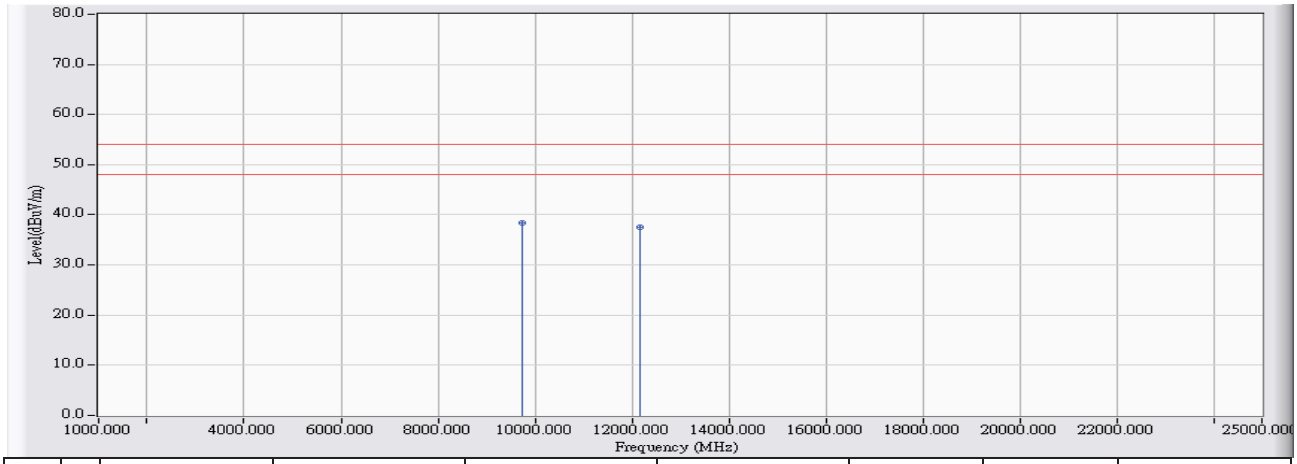


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4873.590	-0.721	45.676	44.956	-29.044	74.000	PEAK
2		7306.670	5.861	45.132	50.993	-23.007	74.000	PEAK
3	*	9745.670	10.155	43.686	53.841	-20.159	74.000	PEAK
4		12182.010	11.900	40.911	52.811	-21.189	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 : 2014/01/02 - 21:57**
Limit : FCC_SpartC_15.247_H_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Access Point	**Note : 802.11n20M_2437MHz**

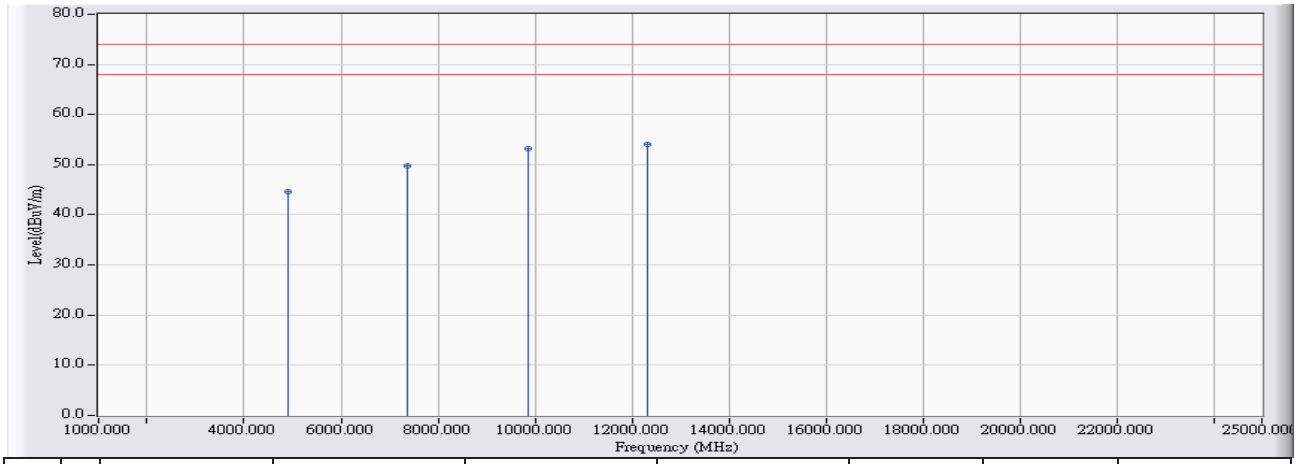


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	9747.940	10.162	28.123	38.285	-15.715	54.000	AVERAGE
2		12178.540	11.896	25.703	37.599	-16.401	54.000	AVERAGE

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 : 2014/01/02 - 22:02**
Limit : FCC_SpartC_15.247_H_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Access Point	**Note : 802.11n20M_2462MHz**

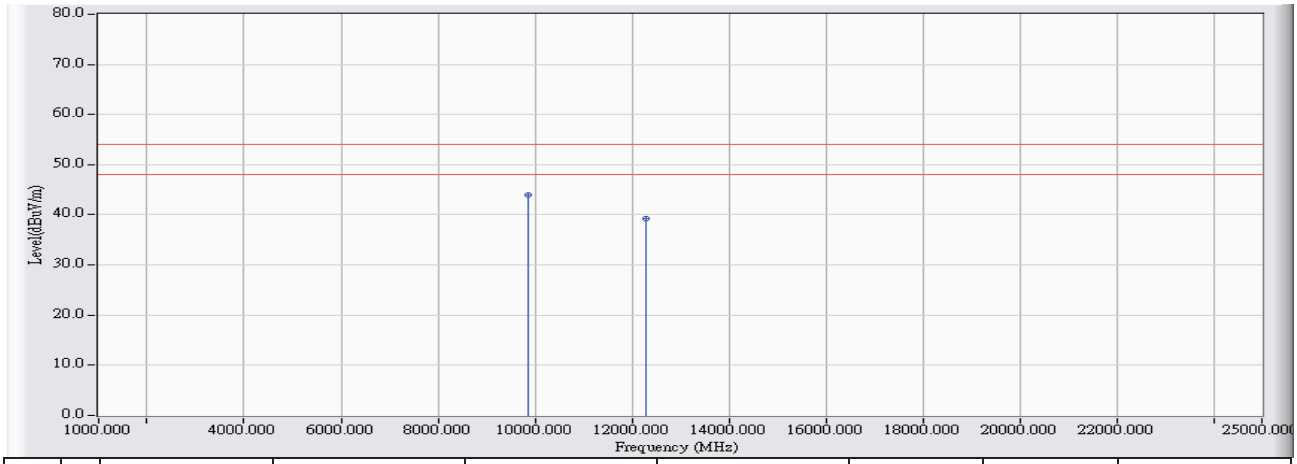


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4922.100	-0.571	45.105	44.534	-29.466	74.000	PEAK
2		7383.780	6.073	43.764	49.837	-24.163	74.000	PEAK
3		9847.900	10.460	42.830	53.290	-20.710	74.000	PEAK
4	*	12315.150	12.071	41.873	53.944	-20.056	74.000	PEAK

Note:

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

Site : CB1	**Time : 2014/01/02 - 22:03**
Limit : FCC_SpartC_15.247_H_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Access Point	**Note : 802.11n20M_2462MHz**

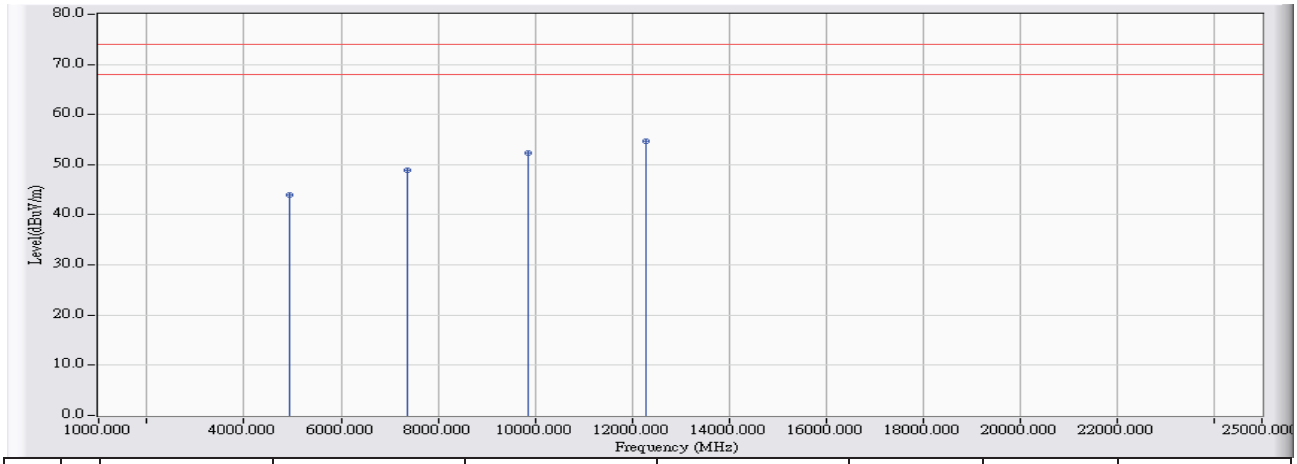


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	9847.790	10.459	33.534	43.993	-10.007	54.000	AVERAGE
2		12306.750	12.061	27.210	39.270	-14.730	54.000	AVERAGE

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 : 2014/01/02 - 22:08**
Limit : FCC_SpartC_15.247_H_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Access Point	**Note : 802.11n20M_2462MHz**

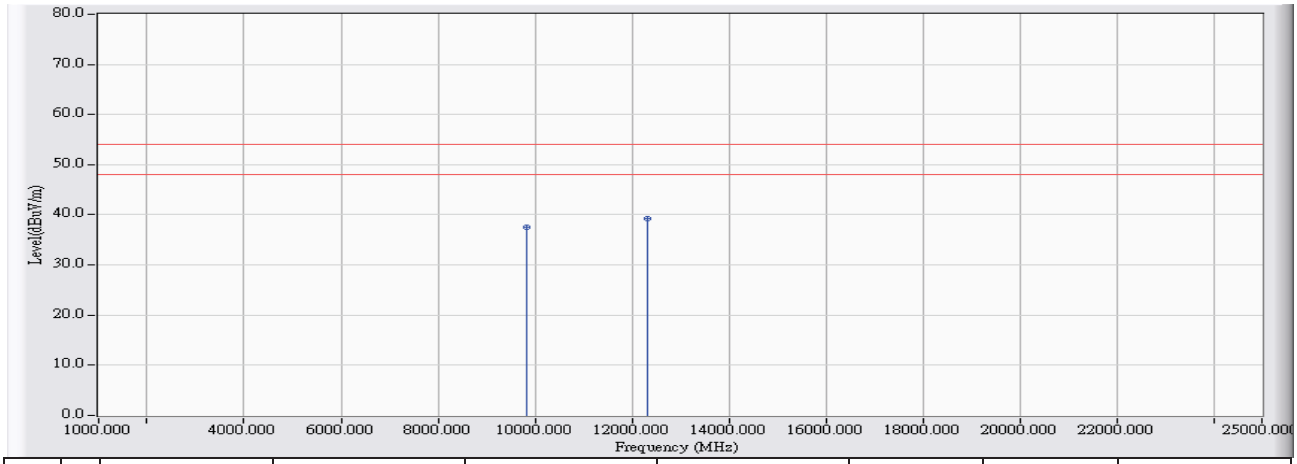


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4924.310	-0.564	44.576	44.012	-29.988	74.000	PEAK
2		7382.920	6.070	42.900	48.970	-25.030	74.000	PEAK
3		9846.320	10.456	41.774	52.229	-21.771	74.000	PEAK
4	*	12306.280	12.060	42.539	54.598	-19.402	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 : 2014/01/02 - 22:09**
Limit : FCC_SpartC_15.247_H_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Access Point	**Note : 802.11n20M_2462MHz**

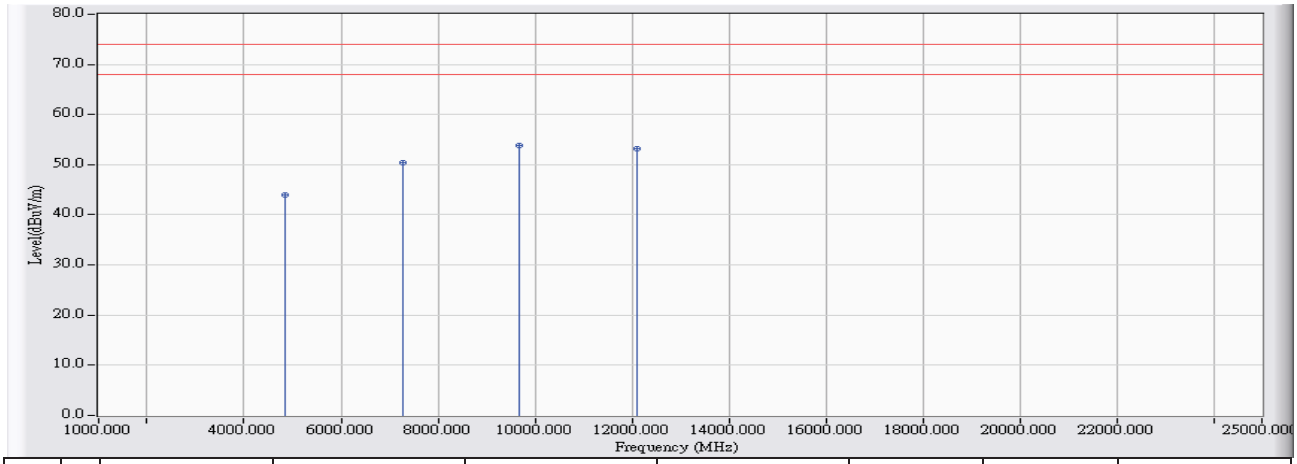


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		9843.160	10.445	27.109	37.554	-16.446	54.000	AVERAGE
2	*	12310.350	12.065	27.184	39.249	-14.751	54.000	AVERAGE

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 : 2014/01/02 - 22:24**
Limit : FCC_SpartC_15.247_H_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Access Point	**Note : 802.11n40M_2422MHz**

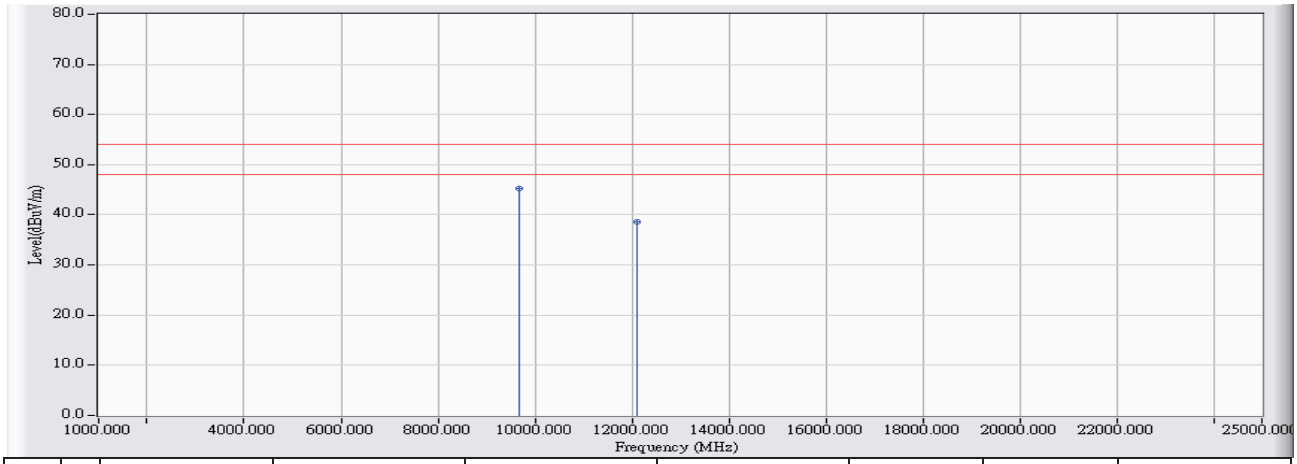


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4834.000	-0.843	44.909	44.067	-29.933	74.000	PEAK
2		7267.140	5.753	44.744	50.497	-23.503	74.000	PEAK
3	*	9687.620	9.982	43.765	53.747	-20.253	74.000	PEAK
4		12108.275	11.806	41.307	53.113	-20.887	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 : 2014/01/02 - 22:25**
Limit : FCC_SpartC_15.247_H_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Access Point	**Note : 802.11n40M_2422MHz**

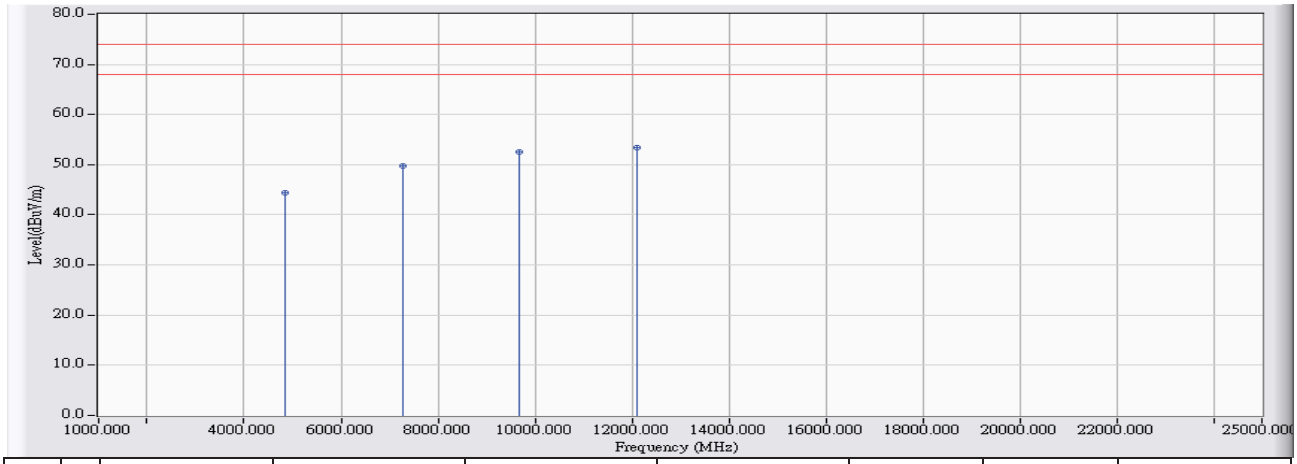


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	9687.785	9.983	35.361	45.344	-8.656	54.000	AVERAGE
2		12108.055	11.806	26.825	38.631	-15.369	54.000	AVERAGE

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 : 2014/01/02 - 22:31**
Limit : FCC_SpartC_15.247_H_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Access Point	**Note : 802.11n40M_2422MHz**

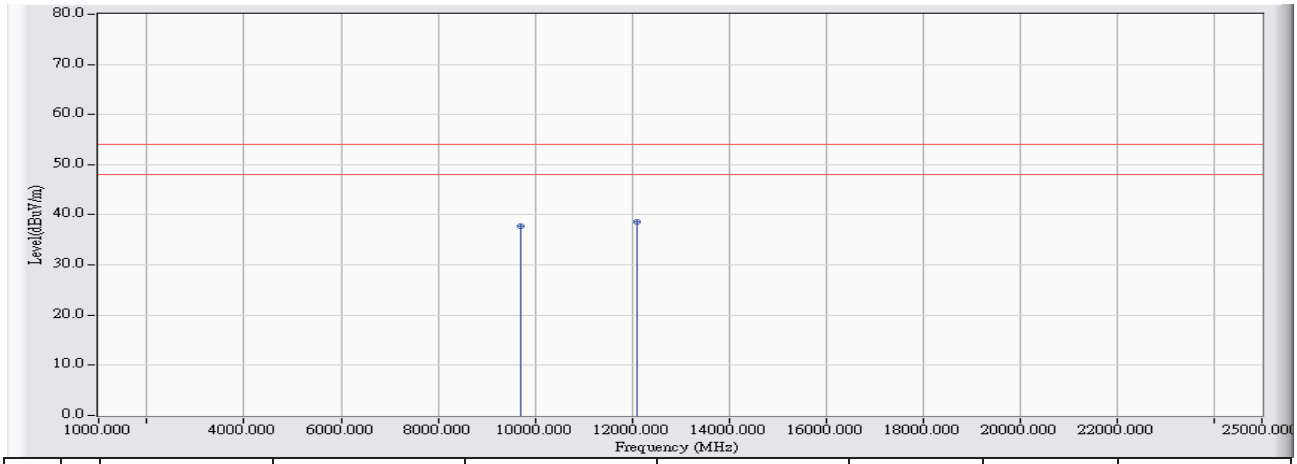


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4846.005	-0.805	45.214	44.409	-29.591	74.000	PEAK
2		7268.215	5.756	43.936	49.692	-24.308	74.000	PEAK
3		9687.495	9.982	42.485	52.467	-21.533	74.000	PEAK
4	*	12108.730	11.806	41.670	53.477	-20.523	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 : 2014/01/02 - 22:31**
Limit : FCC_SpartC_15.247_H_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Access Point	**Note : 802.11n40M_2422MHz**

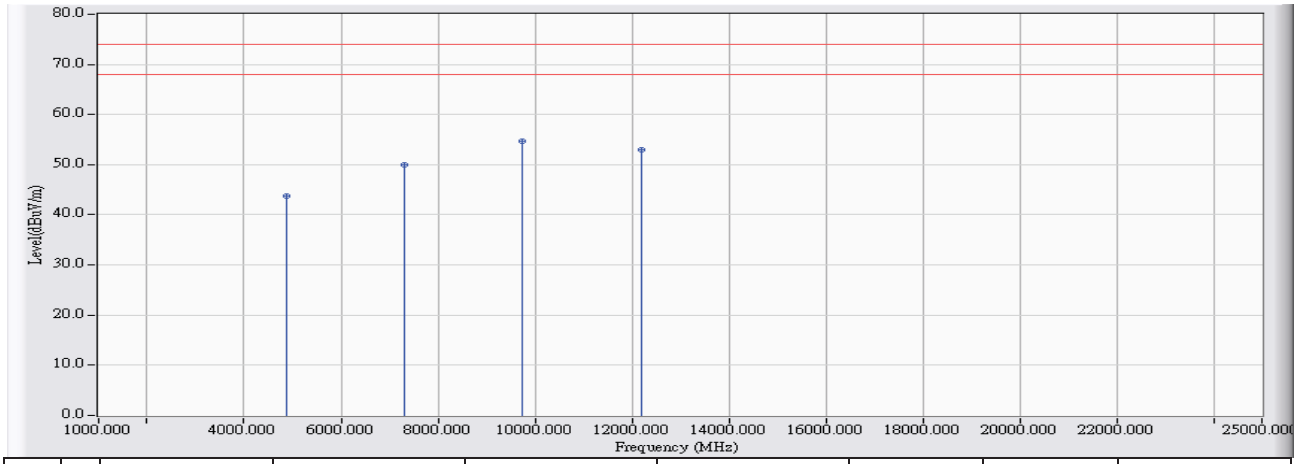


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		9696.540	10.009	27.638	37.647	-16.353	54.000	AVERAGE
2	*	12107.960	11.806	26.786	38.592	-15.408	54.000	AVERAGE

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 : 2014/01/02 - 22:35**
Limit : FCC_SpartC_15.247_H_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Access Point	**Note : 802.11n40M_2437MHz**

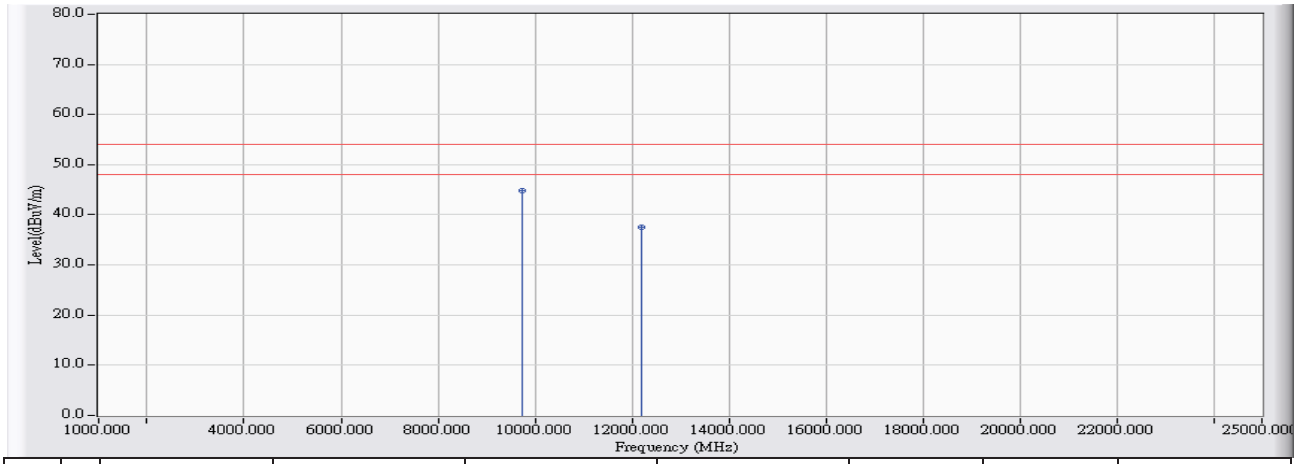


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4872.565	-0.723	44.575	43.851	-30.149	74.000	PEAK
2		7311.610	5.875	44.184	50.059	-23.941	74.000	PEAK
3	*	9747.685	10.161	44.499	54.660	-19.340	74.000	PEAK
4		12185.780	11.905	40.979	52.884	-21.116	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 : 2014/01/02 - 22:36**
Limit : FCC_SpartC_15.247_H_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Access Point	**Note : 802.11n40M_2437MHz**

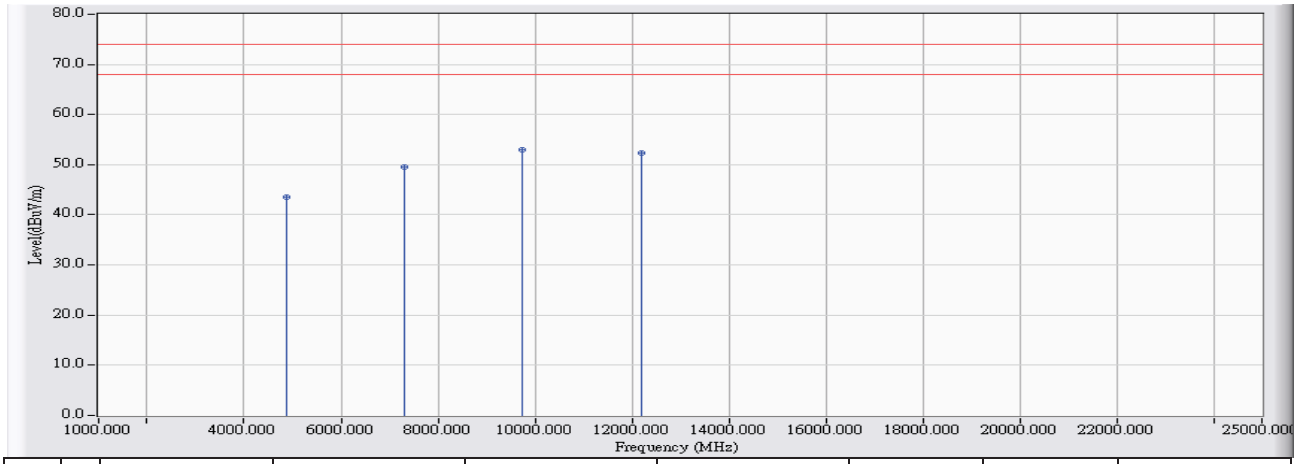


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	9747.780	10.162	34.700	44.861	-9.139	54.000	AVERAGE
2		12185.160	11.904	25.720	37.625	-16.375	54.000	AVERAGE

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 : 2014/01/02 - 22:41**
Limit : FCC_SpartC_15.247_H_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Access Point	**Note : 802.11n40M_2437MHz**

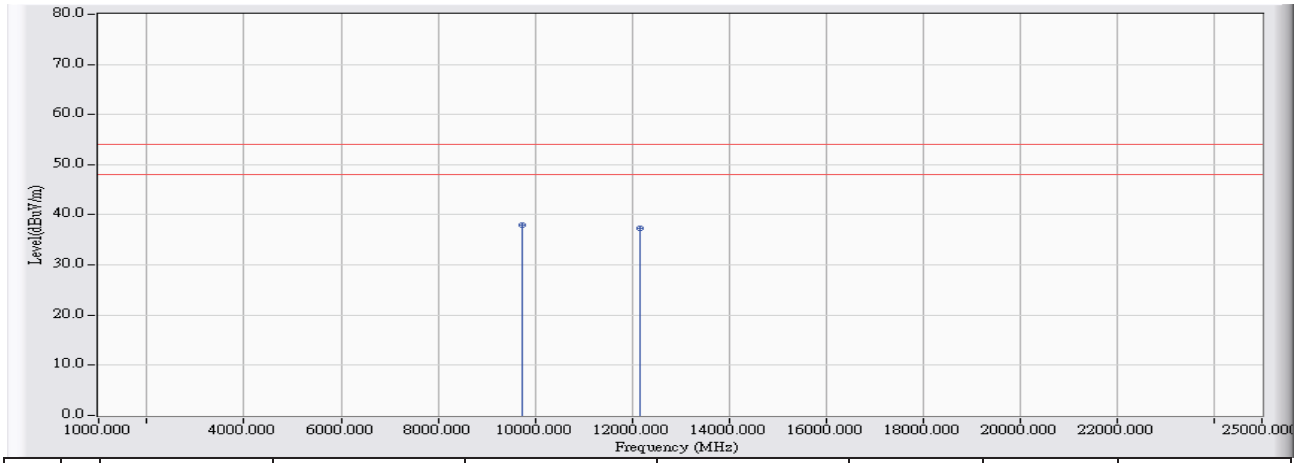


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4873.565	-0.721	44.191	43.470	-30.530	74.000	PEAK
2		7309.810	5.870	43.779	49.649	-24.351	74.000	PEAK
3	*	9746.675	10.158	42.802	52.960	-21.040	74.000	PEAK
4		12186.390	11.906	40.426	52.332	-21.668	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 : 2014/01/06 - 13:55**
Limit : FCC_SpartC_15.247_H_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Access Point	**Note : 802.11n40M_2437MHz**

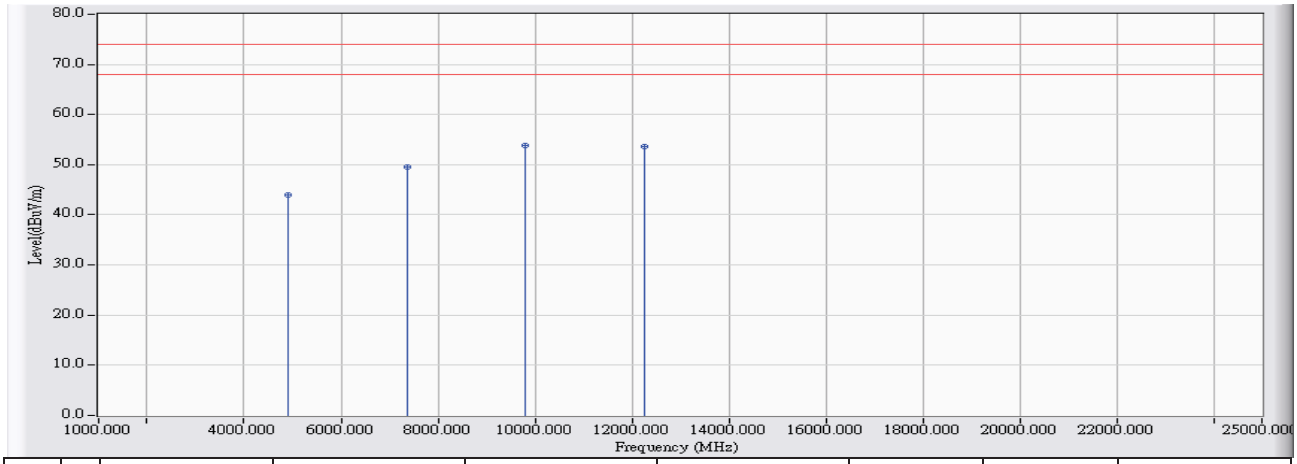


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	9745.685	10.155	27.793	37.948	-16.052	54.000	AVERAGE
2		12182.510	11.901	25.505	37.406	-16.594	54.000	AVERAGE

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 : 2014/01/02 - 22:45**
Limit : FCC_SpartC_15.247_H_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Access Point	**Note : 802.11n40M_2452MHz**

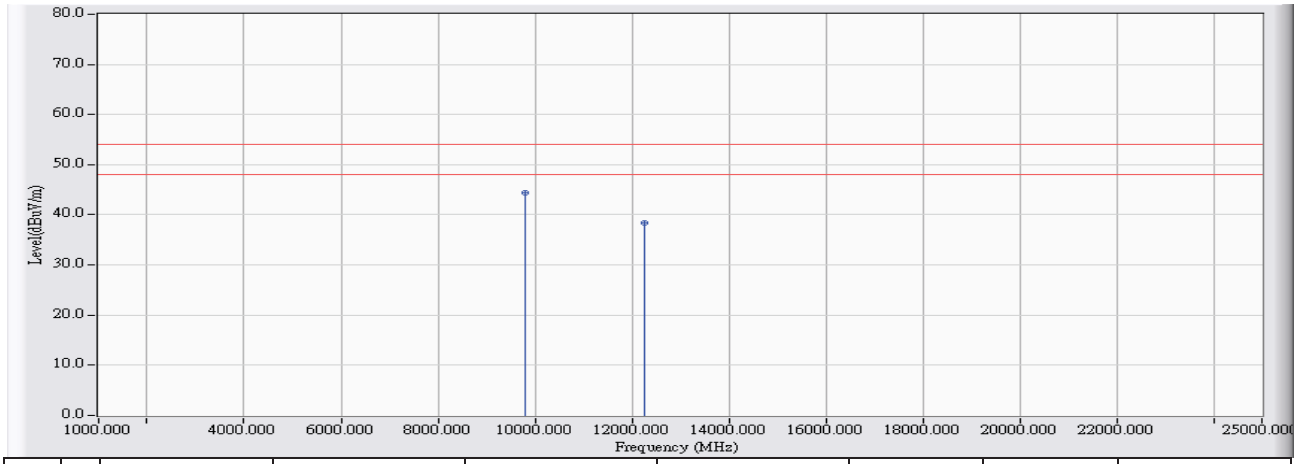


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4902.615	-0.630	44.511	43.880	-30.120	74.000	PEAK
2		7354.335	5.993	43.654	49.646	-24.354	74.000	PEAK
3	*	9807.660	10.339	43.444	53.784	-20.216	74.000	PEAK
4		12259.450	11.999	41.710	53.709	-20.291	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 : 2014/01/02 - 22:45**
Limit : FCC_SpartC_15.247_H_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Access Point	**Note : 802.11n40M_2452MHz**

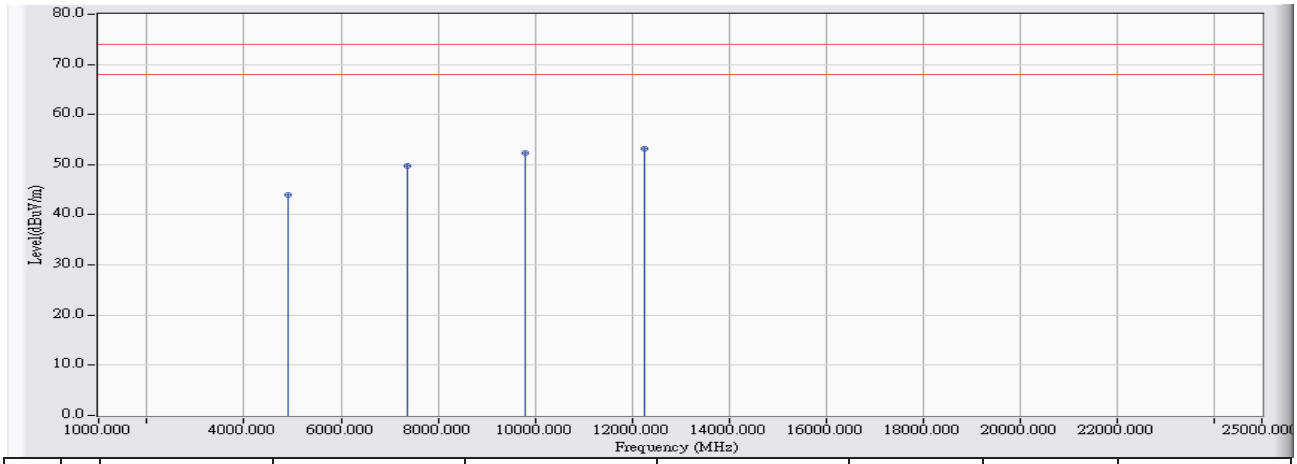


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	9807.825	10.340	34.099	44.439	-9.561	54.000	AVERAGE
2		12262.450	12.003	26.375	38.379	-15.621	54.000	AVERAGE

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 : 2014/01/02 - 22:51**
Limit : FCC_SpartC_15.247_H_03M_PK	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Access Point	**Note : 802.11n40M_2452MHz**

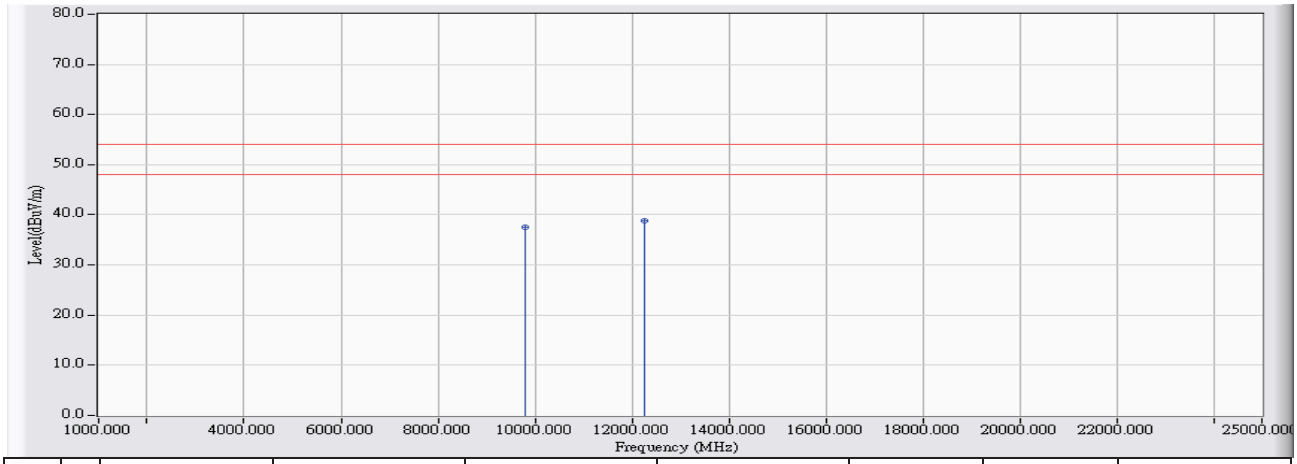


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4905.920	-0.620	44.484	43.863	-30.137	74.000	PEAK
2		7354.845	5.994	43.864	49.857	-24.143	74.000	PEAK
3		9807.495	10.339	41.939	52.278	-21.722	74.000	PEAK
4	*	12260.645	12.000	41.255	53.256	-20.744	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 : 2014/01/02 - 22:52**
Limit : FCC_SpartC_15.247_H_03M_AV	**Margin : 6**
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	**Power : AC 120V/60Hz**
EUT : Access Point	**Note : 802.11n40M_2452MHz**



		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		9809.430	10.345	27.260	37.605	-16.395	54.000	AVERAGE
2	*	12262.470	12.003	26.756	38.759	-15.241	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.