



Test Report

Product Name : High Power Wireless N Router
Model No. : RT-N12HP
FCC ID. : MSQ-RTN12HP

Applicant : ASUSTeK COMPUTER INC.

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

Date of Receipt : 2012/10/25
Issued Date : 2012/12/07
Report No. : 12A4250R-RFUSP42V01
Report Version : V1.0



The test results relate only to the samples tested.

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Test Report Certification

Issued Date : 2012/12/07

Report No. : 12A4250R-RFUSP42V01



Product Name : High Power Wireless N Router
 Applicant : ASUSTeK COMPUTER INC.
 Address : 4F, No. 150, Li-Te Rd., Peitou, Taipei, Taiwan
 Manufacturer : ASUSTeK COMPUTER INC.
 Model No. : RT-N12HP
 FCC ID. : MSQ-RTN12HP
 EUT Test Voltage : AC 100-240V, 50-60Hz
 Trade Name : ASUS
 Applicable Standard : FCC CFR Title 47 Part 15 Subpart C Section 15.247: 2011
 ANSI C63.4: 2009
 Test Result : Complied

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Laboratory Information

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

Taiwan R.O.C.	:	TAF, Accreditation Number: 1313
USA	:	FCC, Registration Number: 365520
Canada	:	IC, Submission No: 150981

The related certificate for our laboratories about the test site and management system can be downloaded from Quietek Corporation's Web Site: <http://www.quietek.com/tw/ctg/cts/accreditations.htm>

The address and introduction of Quietek Corporation's laboratories can be founded in our Web site : <http://www.quietek.com/>

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1. General Information

1.1. EUT Description

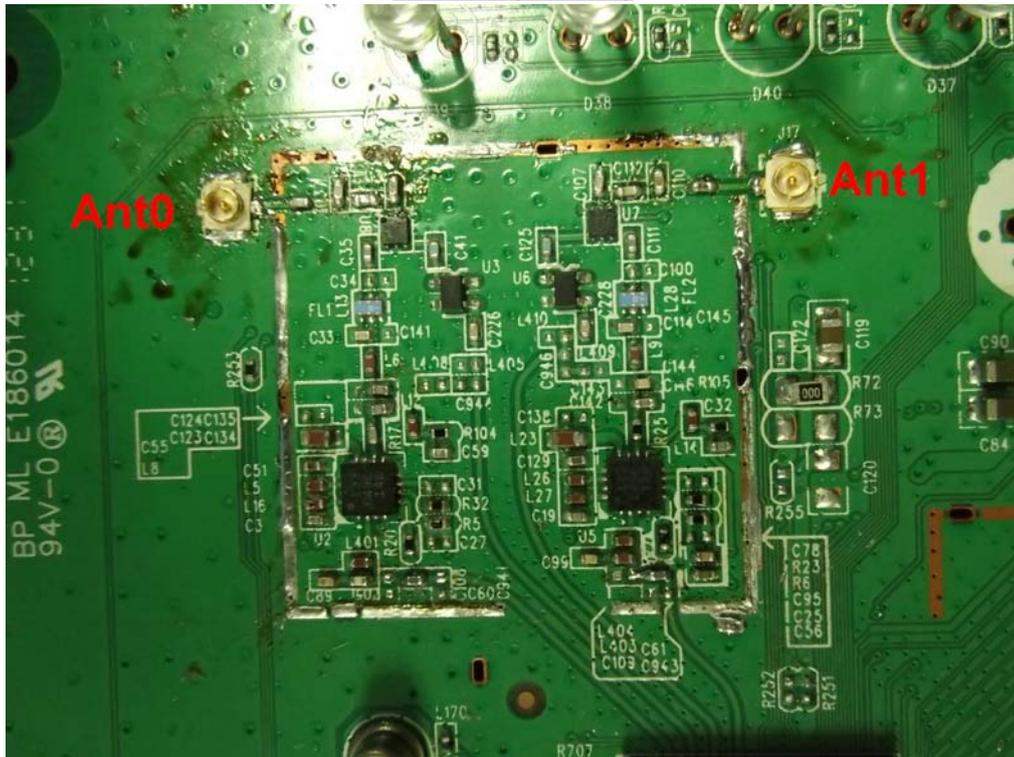
Product Name	High Power Wireless N Router
Product Type	WLAN (2TX, 2RX)
Trade Name	ASUS
Model No.	RT-N12HP
Frequency Range -IEEE 802.11b/g & IEEE 802.11n (20MHz)	2412~2462MHz
Frequency Range-IEEE 802.11n (40MHz)	2422~2452MHz
Channel Number (IEEE 802.11b/g & IEEE 802.11n (20MHz))	11
Channel Number-IEEE 802.11n (40MHz)	9
Type of Modulation (IEEE 802.11b)	Direct Sequence Spread Spectrum (DSSS)
Type of Modulation (IEEE 802.11g/n)	Orthogonal Frequency Division Multiplexing (OFDM)
Data Speed (IEEE 802.11b)	1Mbps, 2Mbps, 5.5Mbps, 11Mbps
Data Speed (IEEE 802.11g)	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	7dBi , Model Number: AN2400-5924RS 2dBi , Model Number: EDA-1410-25GR2-A1 6.81dBi , Model Number: EDA-3913-2G4R2-A1
Channel Control	Auto
Antenna Type	Dipole

Component	
LAN Cable	Non-Shielded, 1m
Power Adapter (Mode 1)	DVE, DSA-12PFA-09 FUS 120100 I/P : 100-240V~50/60Hz, 0.5A O/P : 12V $\overline{=}$ 1A Cable Out: Non-Shielded, 1.5m
Power Adapter (Mode 2)	SWITCHING POWER, PSA12A-120 I/P : 100-240V~50/60Hz, 0.5A O/P : 12V $\overline{=}$ 1.0A 27-37VA Cable Out: Non-Shielded, 1.5m, one ferrite core bonded.

ANT-TX / Rx & Bandwidth

ANT-TX / RX	SINGLE-TX		TWO-TX		RX	
	20MHz	40MHz	20MHz	40MHz	20MHz	40MHz
IEEE802.11b	✓				✓	
IEEE802.11g	✓					
IEEE802.11n			✓	✓	✓	✓

ANT 0/1 (TX / RX)



IEEE 802.11n

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

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

Table 1 – MCS parameters for TX Antenna number = 1

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

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

Table 2 – MCS parameters for TX Antenna number = 2

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 High Power Wireless N Router including 2.4GHz b/g/n (2x2) transmitting and receiving function.
2. These test results on a sample of the device are for the purpose of demonstrating Compliance with Part 15 Subpart C Paragraph 15.247.
3. Regards to the frequency band operation; the lowest , middle and highest frequency of channel were selected to perform the test, and then shown on this report.
4. This device is a composite device in accordance with Part 15 regulations. The receiving function receiving was tested and its test report number is 12A425R-RFUSP37V02 under Declaration of Conformity.

1.3. Test Mode

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

TX	Mode 1: Transmit (DSA-12PFA-09) Mode 2: Transmit (PSA12A-120)
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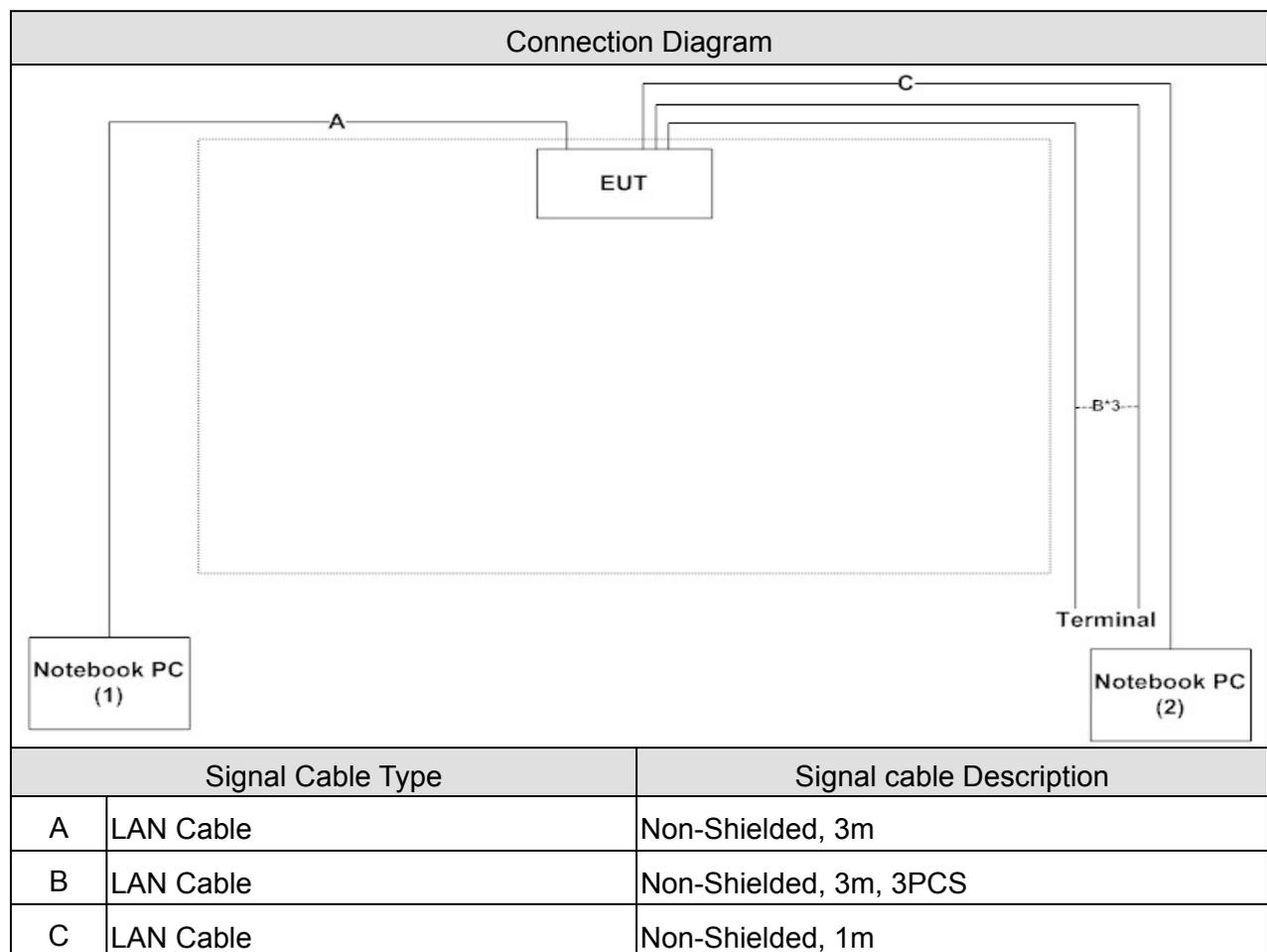
Test Items	Mode	Channel	Antenna	Result
Conducted Emission	11n(40MHz)	6	0+1	Complies
Peak Power Output	b/g	1/ 6/ 11	0	Complies
	11n(20MHz)	1/ 6/ 11	0+1	Complies
	11n(40MHz)	3/ 6/ 9	0+1	Complies
Radiated Emission	b/g	1/ 6/ 11	0	Complies
	11n(20MHz)	1/ 6/ 11	0+1	Complies
	11n(40MHz)	3/ 6/ 9	0+1	Complies
RF antenna conducted test	b/g	1/ 11	0	Complies
	11n(20MHz)	1/ 11	0/1	Complies
	11n(40MHz)	3/ 9	0/1	Complies
Radiated Emission Band Edge	b/g	1/ 11	0	Complies
	11n(20MHz)	1/ 11	0+1	Complies
	11n(40MHz)	3/ 9	0+1	Complies
Occupied Bandwidth	b/g	1/ 6/ 11	0	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	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 Notebook PC	DELL	PP26L	66TLZ1S	DoC	Non-Shielded, 1.8m
2 Notebook PC	DELL	PP37L	CD8BNG1	DoC	Non-Shielded, 1.8m

1.5. Configuration of tested System



1.6. EUT Exercise Software

1	Setup the EUT as shown in Section 1.5.
2	Execute the test program “Manual Tool 1.0.0.8” on the notebook.
3	Configure the test mode, the test channel, and the data rate.
4	Press “Start TX” to start the continuous transmitting.
5	Verify that the EUT works properly.

1.7. Test Facility

Ambient conditions in the laboratory:

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

2. Conducted Emission

2.1. Test Equipment

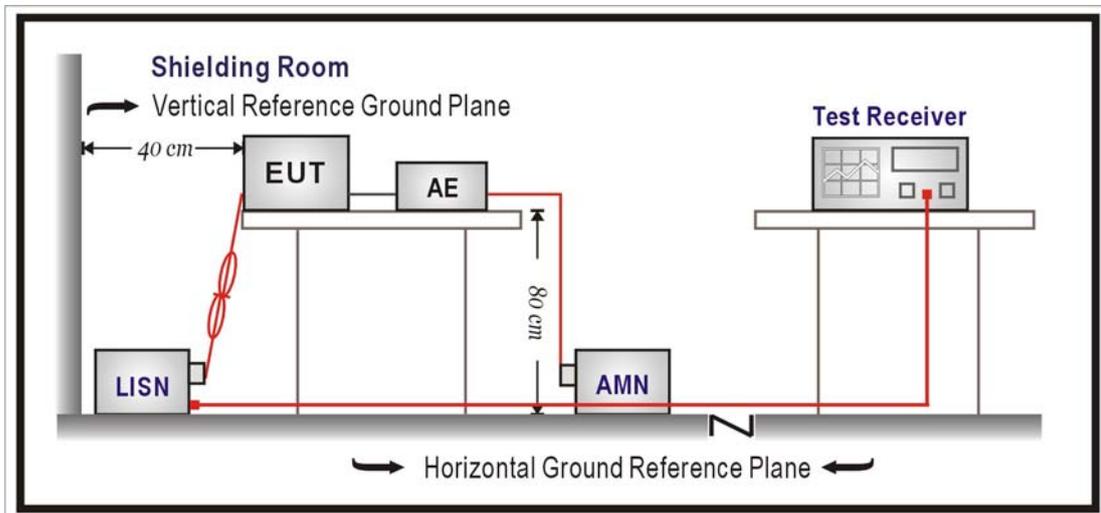
The following test equipments are used during the test:

Conducted Emission / SR3

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

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

2.2. Test Setup



2.3. Limits

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

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

2.4. Test Procedure

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

2.5. Test Specification

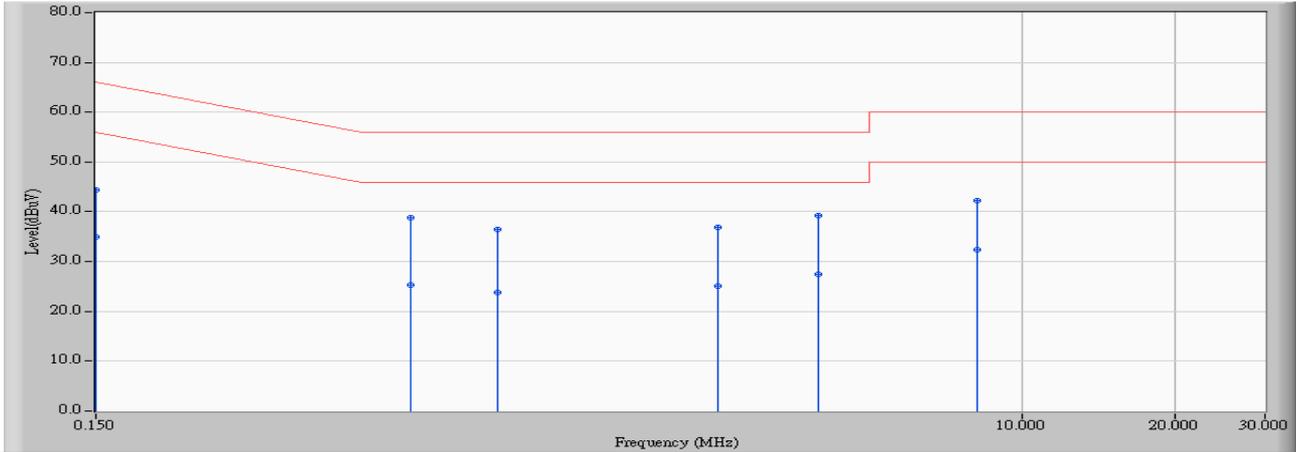
According to FCC Part 15 Subpart C Paragraph 15.207: 2011

2.6. Uncertainty

The measurement uncertainty is defined as ± 2.26 dB.

2.7. Test Result

Site : SR3	Time : 2012/10/29 - 14:14
Limit : CISPR_B_00M_QP	Margin : 10
Probe : SR3_LISN(16A)-2_0813 - Line1	Power : AC 120V / 60Hz
EUT : High Power Wireless N Router	Note : Mode 1: Transmit (DSA-12PFA-09) _802.11n(40MHz)

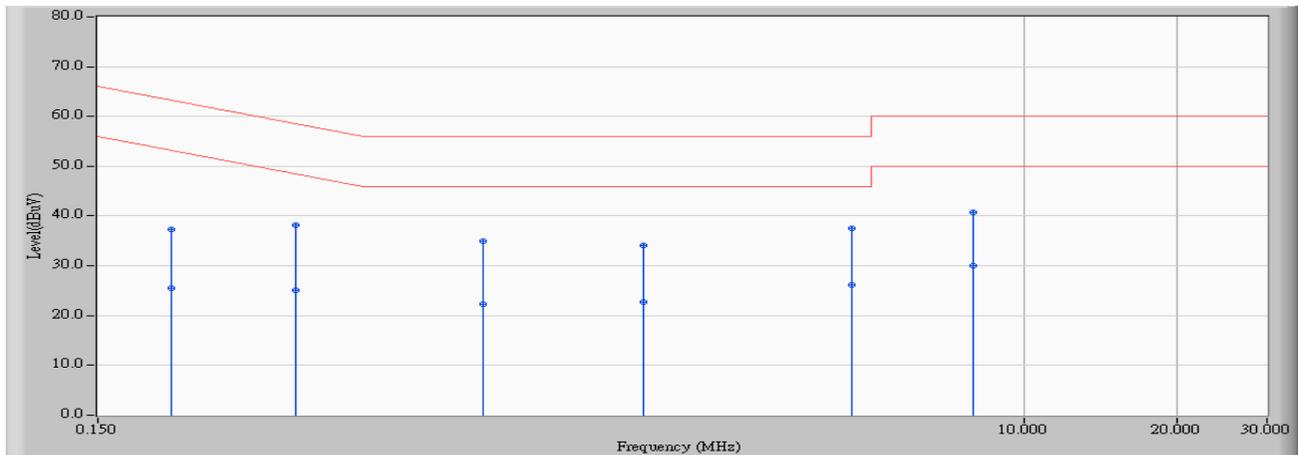


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1	0.150	9.827	34.650	44.477	-21.523	66.000	QUASPEAK
2	0.150	9.827	25.090	34.917	-21.083	56.000	AVERAGE
3	0.627	9.859	28.930	38.789	-17.211	56.000	QUASPEAK
4	0.627	9.859	15.460	25.319	-20.681	46.000	AVERAGE
5	0.927	9.924	26.490	36.414	-19.586	56.000	QUASPEAK
6	0.927	9.924	13.840	23.764	-22.236	46.000	AVERAGE
7	2.521	9.990	26.810	36.800	-19.200	56.000	QUASPEAK
8	2.521	9.990	15.130	25.120	-20.880	46.000	AVERAGE
9	* 3.955	10.074	29.120	39.194	-16.806	56.000	QUASPEAK
10	3.955	10.074	17.350	27.424	-18.576	46.000	AVERAGE
11	8.127	10.110	32.100	42.210	-17.790	60.000	QUASPEAK
12	8.127	10.110	22.260	32.370	-17.630	50.000	AVERAGE

Note:

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

Site : SR3	Time : 2012/10/29 - 14:22
Limit : CISPR_B_00M_QP	Margin : 10
Probe : SR3_LISN(16A)-2_0813 - Line2	Power : AC 120V / 60Hz
EUT : High Power Wireless N Router	Note : Mode 1: Transmit (DSA-12PFA-09) _802.11n(40MHz)

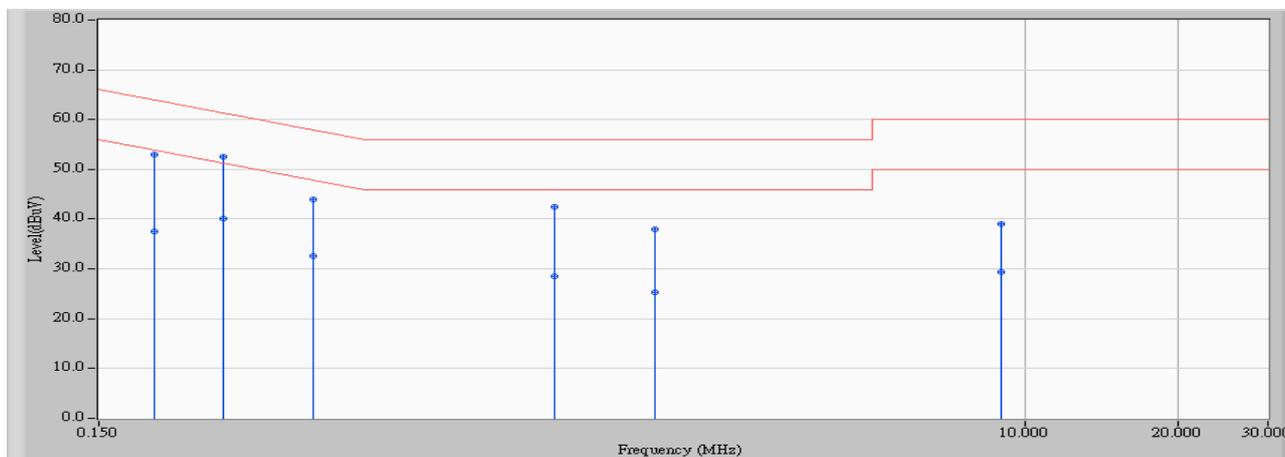


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1	0.209	9.663	27.670	37.333	-25.928	63.261	QUASPEAK
2	0.209	9.663	15.900	25.563	-27.698	53.261	AVERAGE
3	0.369	9.746	28.410	38.156	-20.373	58.529	QUASPEAK
4	0.369	9.746	15.390	25.136	-23.393	48.529	AVERAGE
5	0.857	9.899	25.090	34.989	-21.011	56.000	QUASPEAK
6	0.857	9.899	12.380	22.279	-23.721	46.000	AVERAGE
7	1.783	9.938	24.270	34.208	-21.792	56.000	QUASPEAK
8	1.783	9.938	12.890	22.828	-23.172	46.000	AVERAGE
9	* 4.564	10.053	27.490	37.544	-18.456	56.000	QUASPEAK
10	4.564	10.053	16.020	26.074	-19.926	46.000	AVERAGE
11	7.904	10.119	30.730	40.849	-19.151	60.000	QUASPEAK
12	7.904	10.119	19.980	30.099	-19.901	50.000	AVERAGE

Note:

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

Site : SR3	Time : 2012/10/29 - 14:42
Limit : CISPR_B_00M_QP	Margin : 10
Probe : SR3_LISN(16A)-2_0813 - Line1	Power : AC 120V / 60Hz
EUT : High Power Wireless N Router	Note : Mode2:Transmit (PSA12A-120)_802.11n(40MHz)

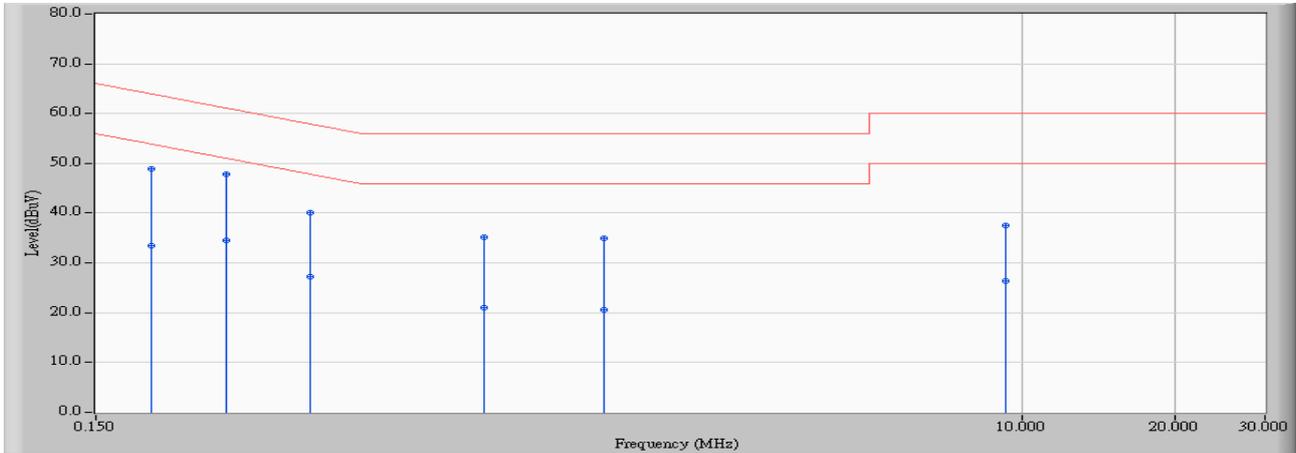


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1	0.193	9.692	43.190	52.882	-11.026	63.908	QUASPEAK
2	0.193	9.692	27.900	37.592	-16.316	53.908	AVERAGE
3	* 0.263	9.694	42.860	52.554	-8.773	61.327	QUASPEAK
4	0.263	9.694	30.390	40.084	-11.243	51.327	AVERAGE
5	0.396	9.770	34.140	43.910	-14.025	57.935	QUASPEAK
6	0.396	9.770	22.840	32.610	-15.325	47.935	AVERAGE
7	1.185	9.944	32.440	42.384	-13.616	56.000	QUASPEAK
8	1.185	9.944	18.480	28.424	-17.576	46.000	AVERAGE
9	1.865	9.957	28.030	37.987	-18.013	56.000	QUASPEAK
10	1.865	9.957	15.370	25.327	-20.673	46.000	AVERAGE
11	8.970	10.110	28.830	38.940	-21.060	60.000	QUASPEAK
12	8.970	10.110	19.190	29.300	-20.700	50.000	AVERAGE

Note:

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

Site : SR3	Time : 2012/10/29 - 14:46
Limit : CISPR_B_00M_QP	Margin : 10
Probe : SR3_LISN(16A)-2_0813 - Line2	Power : AC 120V / 60Hz
EUT : High Power Wireless N Router	Note : Mode2:Transmit (PSA12A-120)_802.11n(40MHz)



	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1	0.193	9.655	39.200	48.855	-15.053	63.908	QUASPEAK
2	0.193	9.655	23.820	33.475	-20.433	53.908	AVERAGE
3	* 0.271	9.696	38.180	47.875	-13.209	61.084	QUASPEAK
4	0.271	9.696	24.920	34.615	-16.469	51.084	AVERAGE
5	0.396	9.760	30.450	40.210	-17.725	57.935	QUASPEAK
6	0.396	9.760	17.500	27.260	-20.675	47.935	AVERAGE
7	0.873	9.902	25.370	35.272	-20.728	56.000	QUASPEAK
8	0.873	9.902	11.040	20.942	-25.058	46.000	AVERAGE
9	1.498	9.935	25.040	34.975	-21.025	56.000	QUASPEAK
10	1.498	9.935	10.710	20.645	-25.355	46.000	AVERAGE
11	9.259	10.139	27.440	37.579	-22.421	60.000	QUASPEAK
12	9.259	10.139	16.330	26.469	-23.531	50.000	AVERAGE

Note:

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

3. Peak Power Output

3.1. Test Equipment

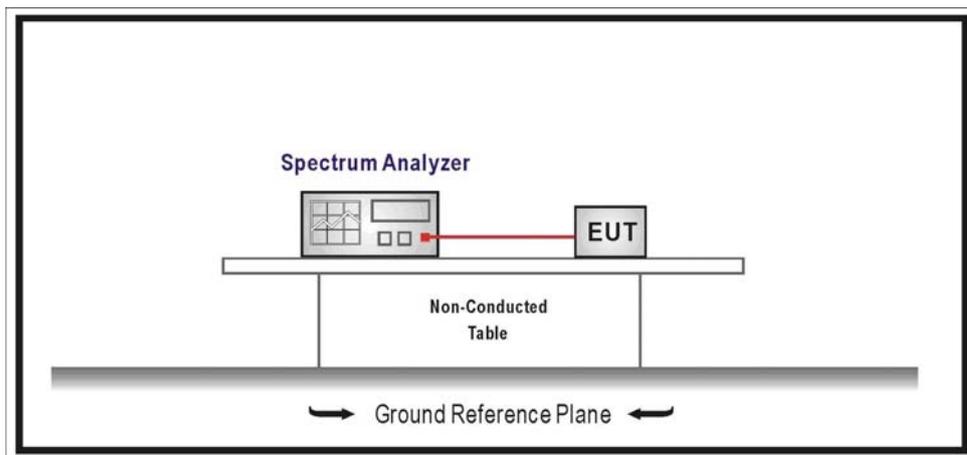
The following test equipments are used during the test:

Peak Power / SR7

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

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

3.2. Test Setup



3.3. Test procedures

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

3.4. Limits

The maximum peak power shall be less 1 Watt.

3.5. Test Specification

According to FCC Part 15 Subpart C Paragraph 15.247: 2011

3.6. Uncertainty

The measurement uncertainty is defined as ± 1.27 dB.

3.7. Test Result

Product	High Power Wireless N Router		
Test Item	Peak Power Output		
Test Mode	Mode 1: Transmit (DSA-12PFA-09)		
Date of Test	2012/12/04	Test Site	SR7

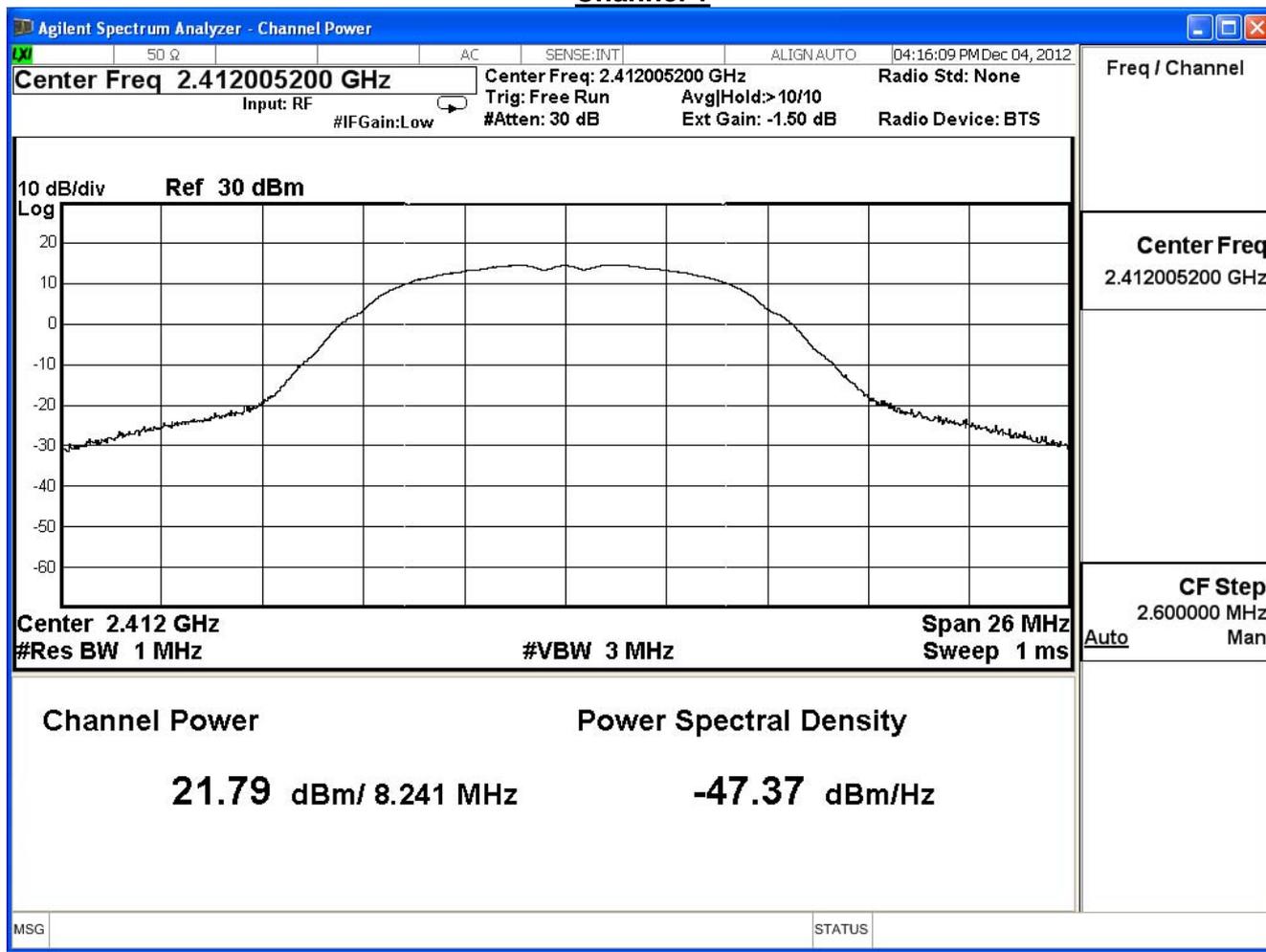
IEEE 802.11b				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
1	2412	21.790	28.44	Pass
6	2437	24.410	28.44	Pass
11	2462	21.960	28.44	Pass

The worst emission of data rate is 1Mbps.

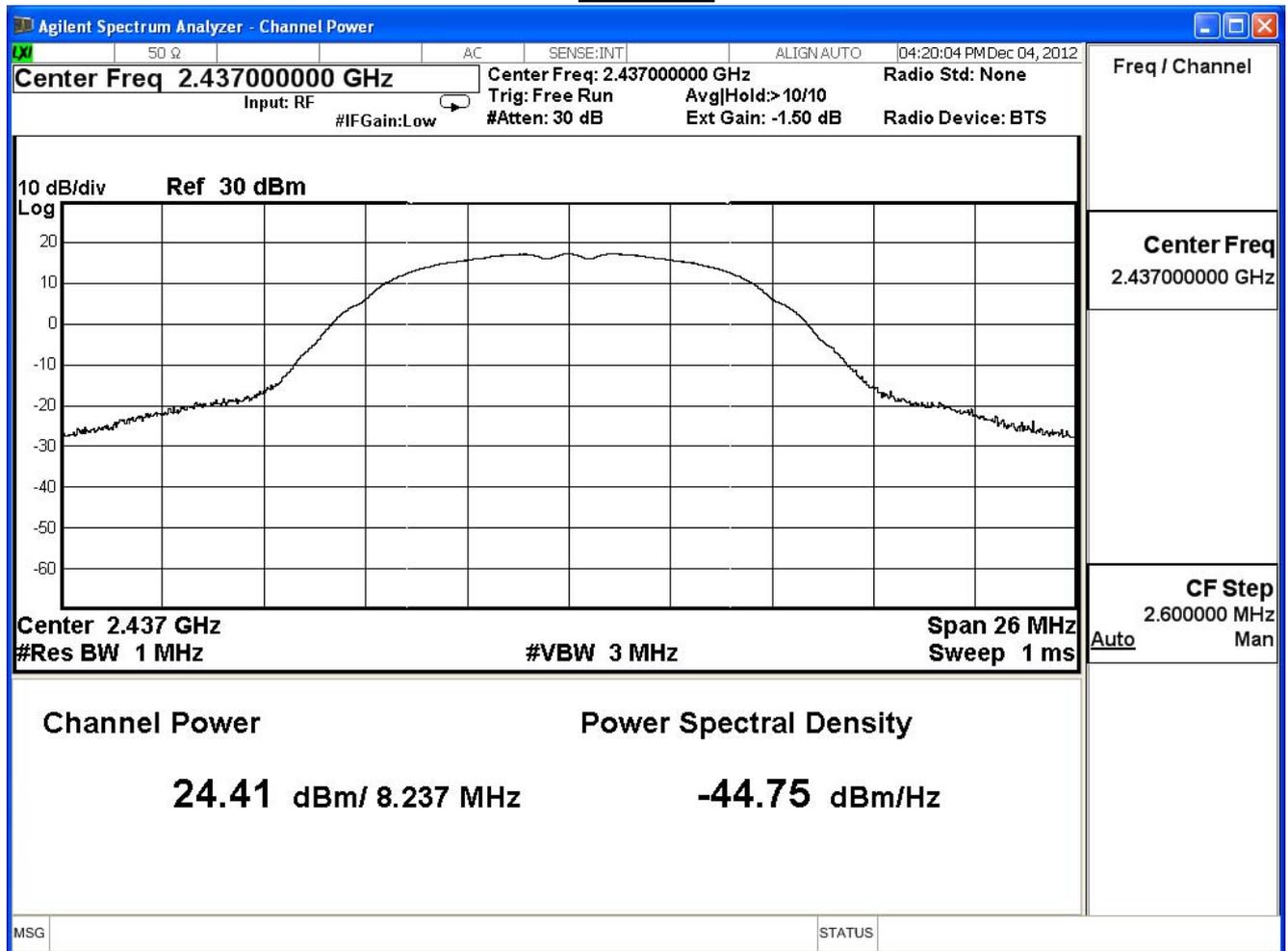
Peak Power Output Value (dBm)						
Channel No.	Frequency (MHz)	Data Rate				Required Limit
		1	2	5.5	11	
1	2412	21.790	--	--	-	25.44 dBm
6	2437	24.410	24.350	24.300	24.240	25.44 dBm
11	2462	21.960	--	--	-	25.44 dBm

Note: Measure Level =Reading value + cable loss

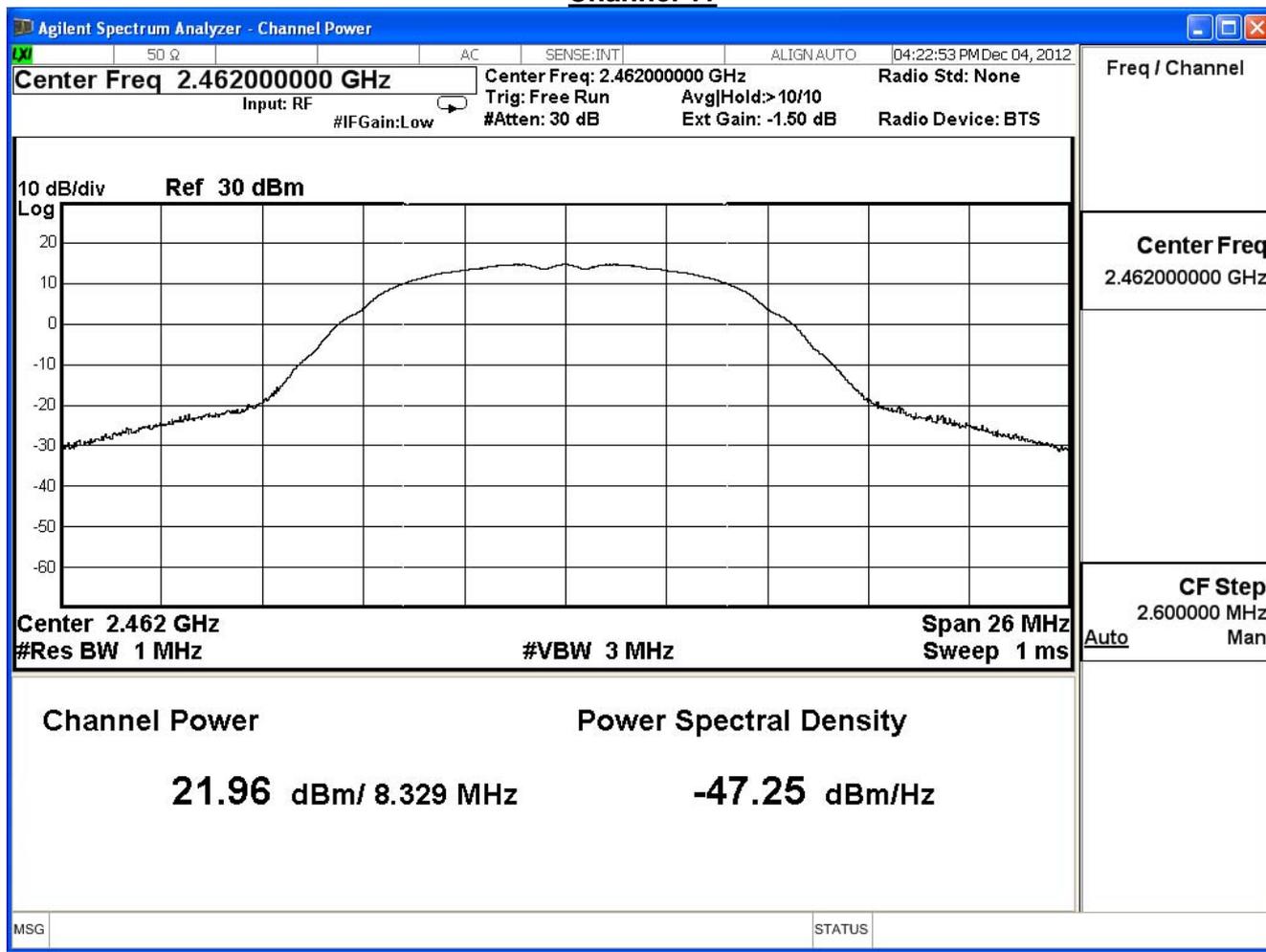
Channel 1



Channel 6



Channel 11



Product	High Power Wireless N Router		
Test Item	Peak Power Output		
Test Mode	Mode 1: Transmit (DSA-12PFA-09)		
Date of Test	2012/10/22	Test Site	SR7

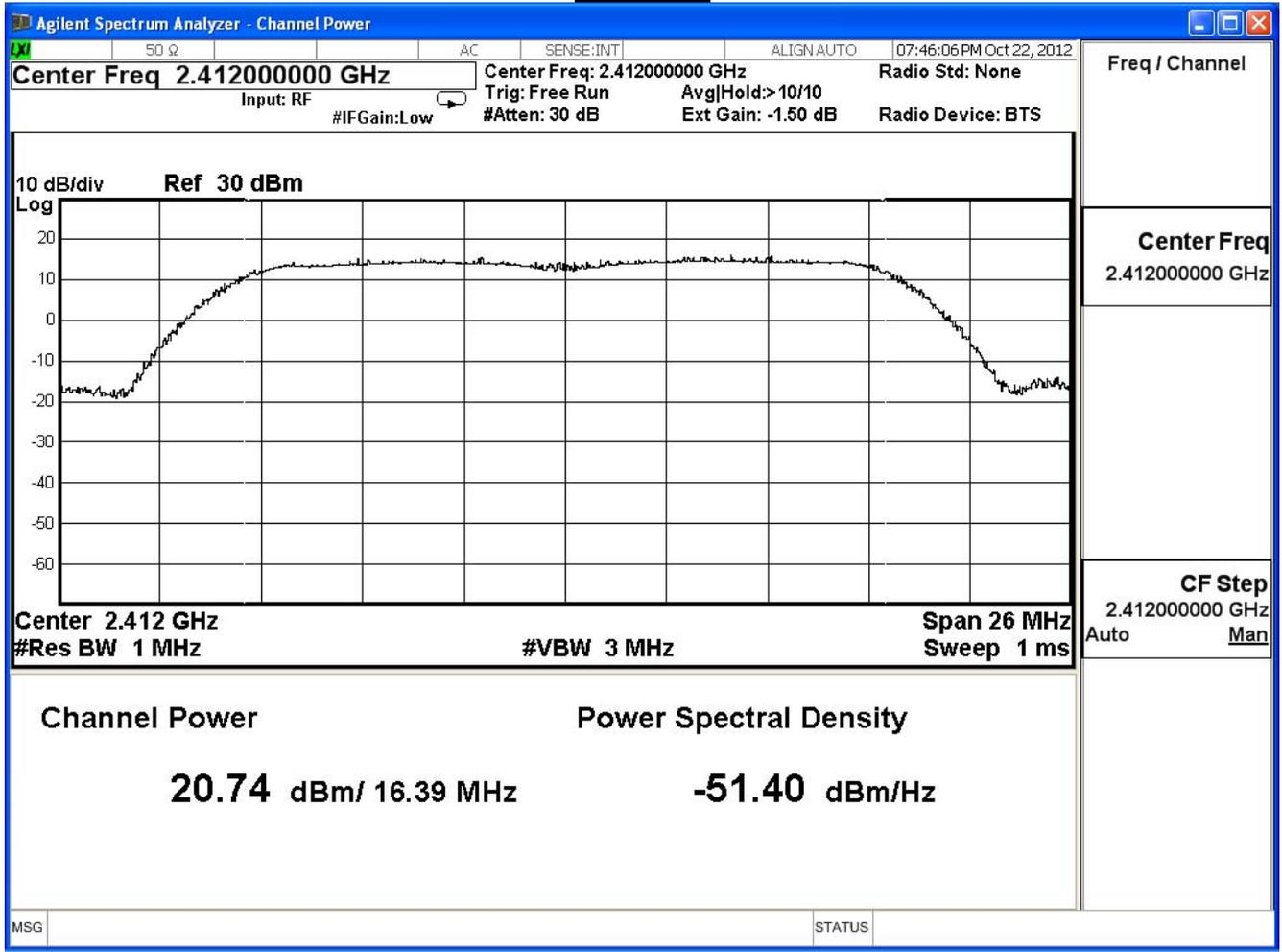
IEEE 802.11g				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
1	2412	20.740	28.44	Pass
6	2437	24.160	28.44	Pass
11	2462	20.090	28.44	Pass

The worst emission of data rate is 6Mbps.

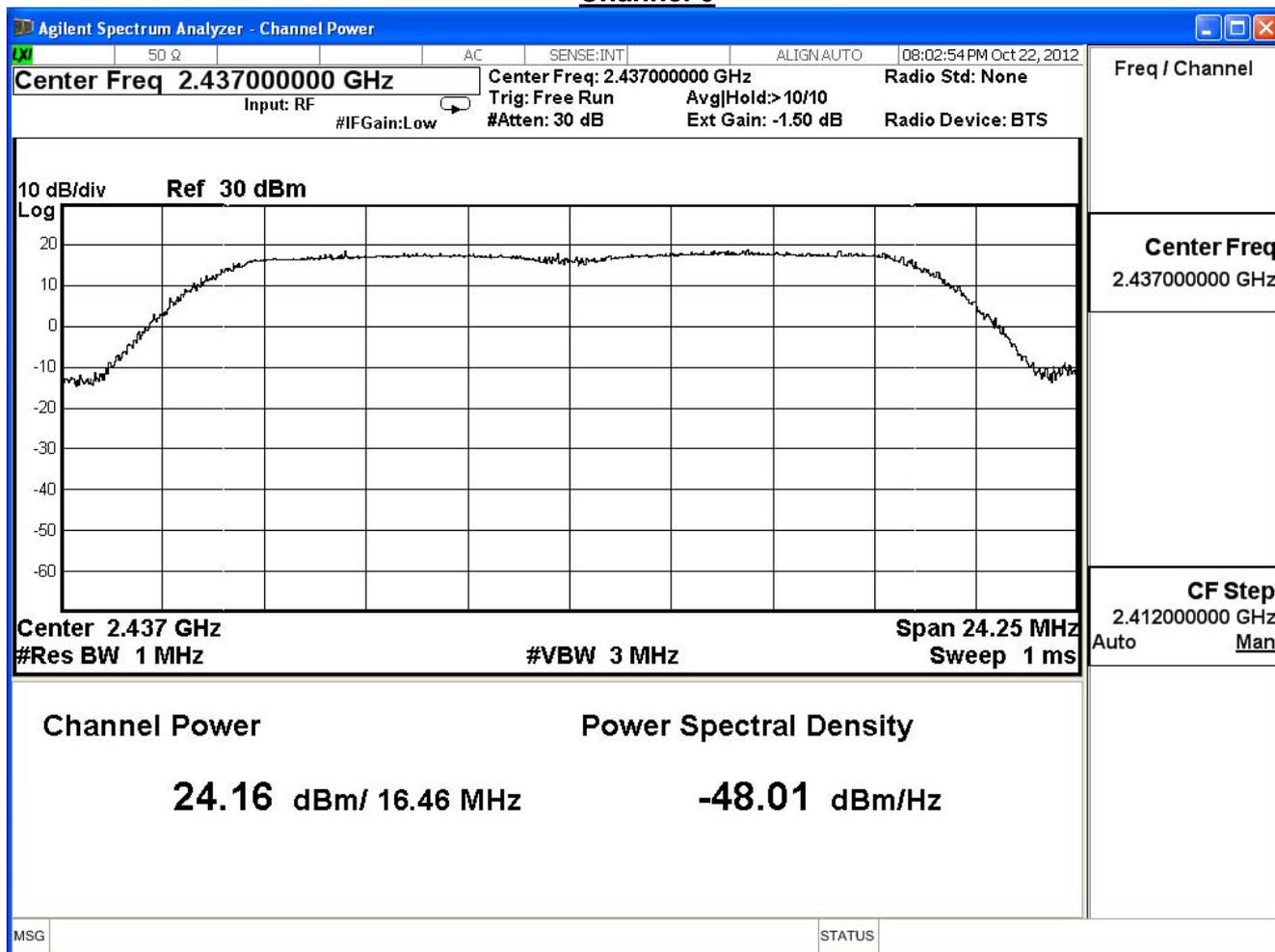
Peak Power Output Value(dBm)									
Channel No.	Frequency (MHz)	Data Rate (Mbps)							Required Limit
		6	12	18	24	36	48	54	
1	2412	20.740	--	--	-	--	--	-	25.44 dBm
6	2437	24.160	24.15	24.14	24.13	24.11	24.12	24.10	25.44 dBm
11	2462	20.090	--	--	-	--	--	-	25.44 dBm

Note: Measure Level =Reading value + cable loss

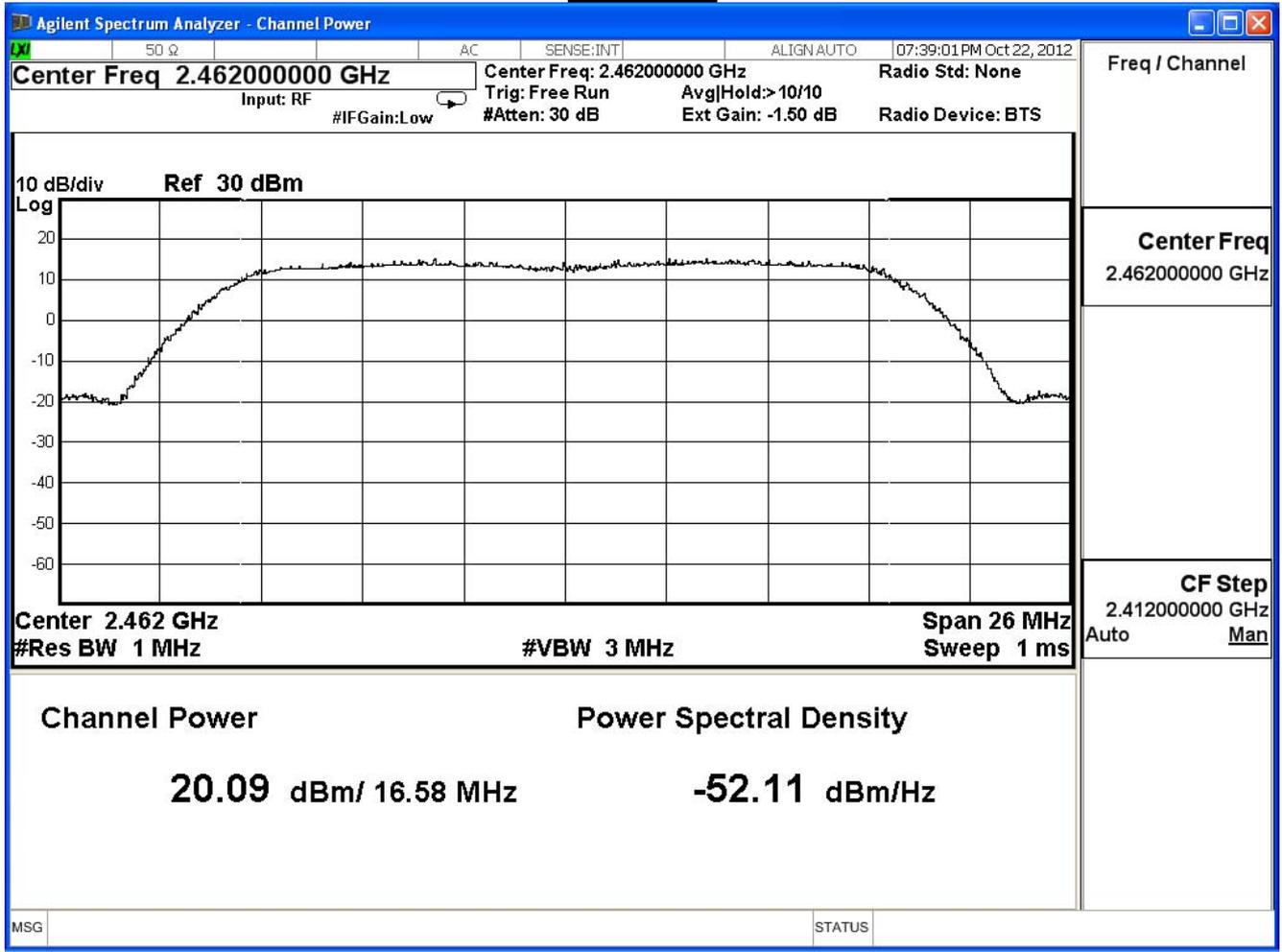
Channel 1



Channel 6



Channel 11



Product	High Power Wireless N Router		
Test Item	Peak Power Output		
Test Mode	Mode 1: Transmit (DSA-12PFA-09)		
Date of Test	2012/10/22	Test Site	SR7

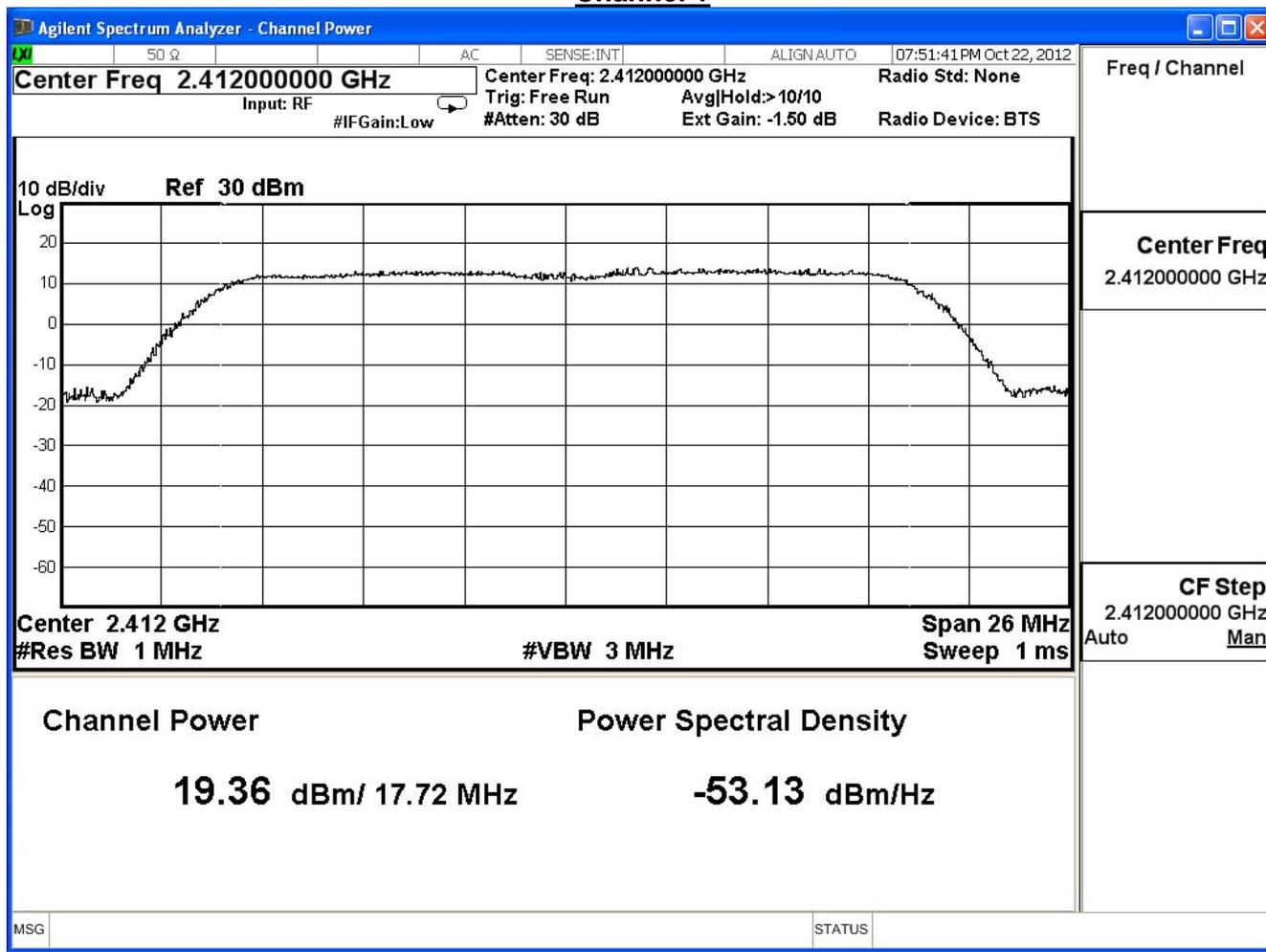
IEEE 802.11n 20MHz (ANT 0)

Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
1	2412	19.360	25.44	Pass
6	2437	20.570	25.44	Pass
11	2462	17.960	25.44	Pass

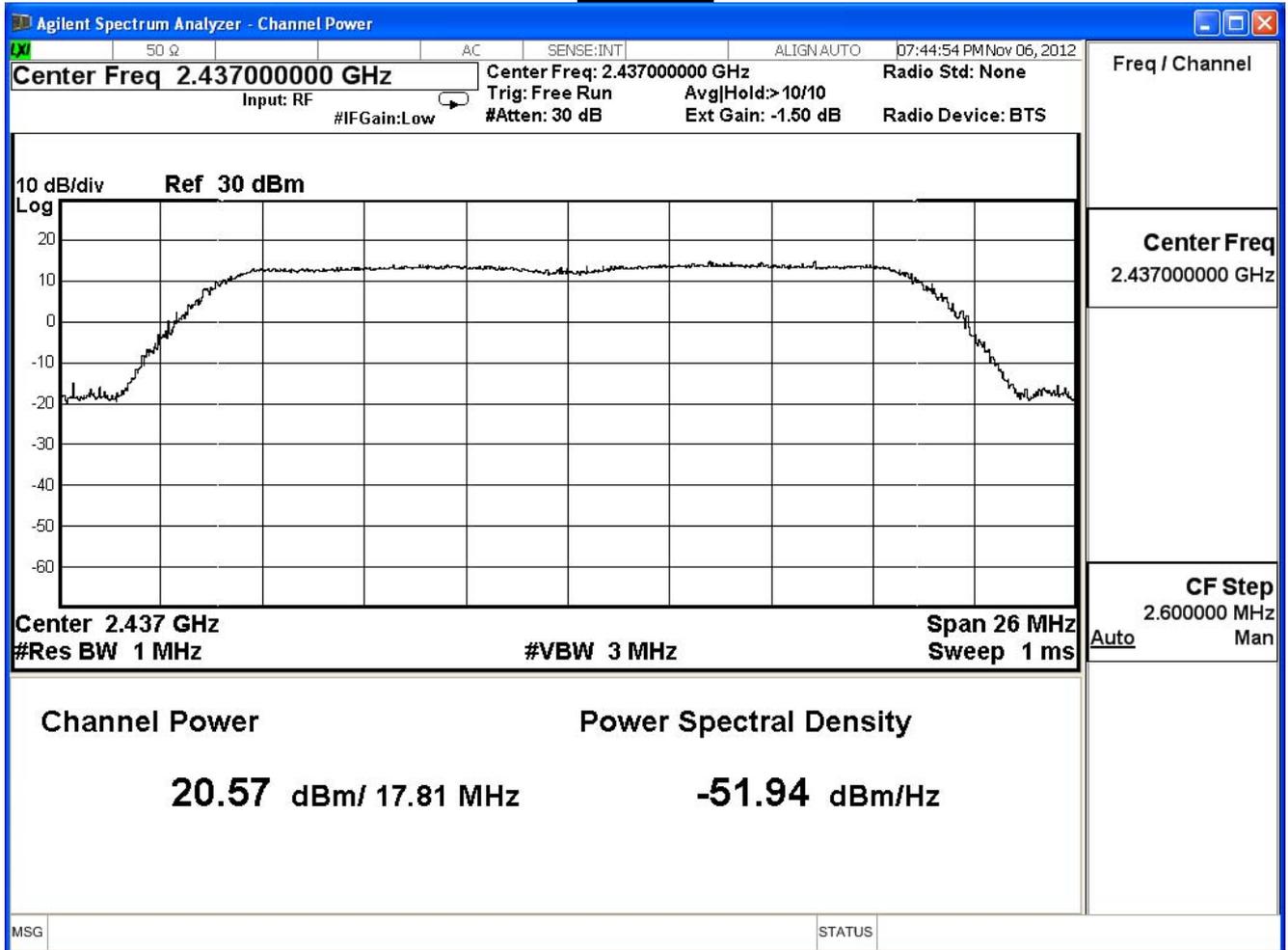
The worst emission of data rate is 13 Mbps.

Peak Power Output (dBm)										
MCS Index		8	9	10	11	12	13	14	15	Required Limit
Channel No	Frequency (MHz)	Data Rate								
		19.5	39	58.5	78	117	156	175.5	195	
1	2412	19.360	--	--	-	--	--	-	-	25.44dBm
6	2437	20.570	20.568	20.569	20.567	20.566	20.564	20.562	20.563	25.44dBm
11	2462	17.960	--	--	-	--	--	-	-	25.44dBm

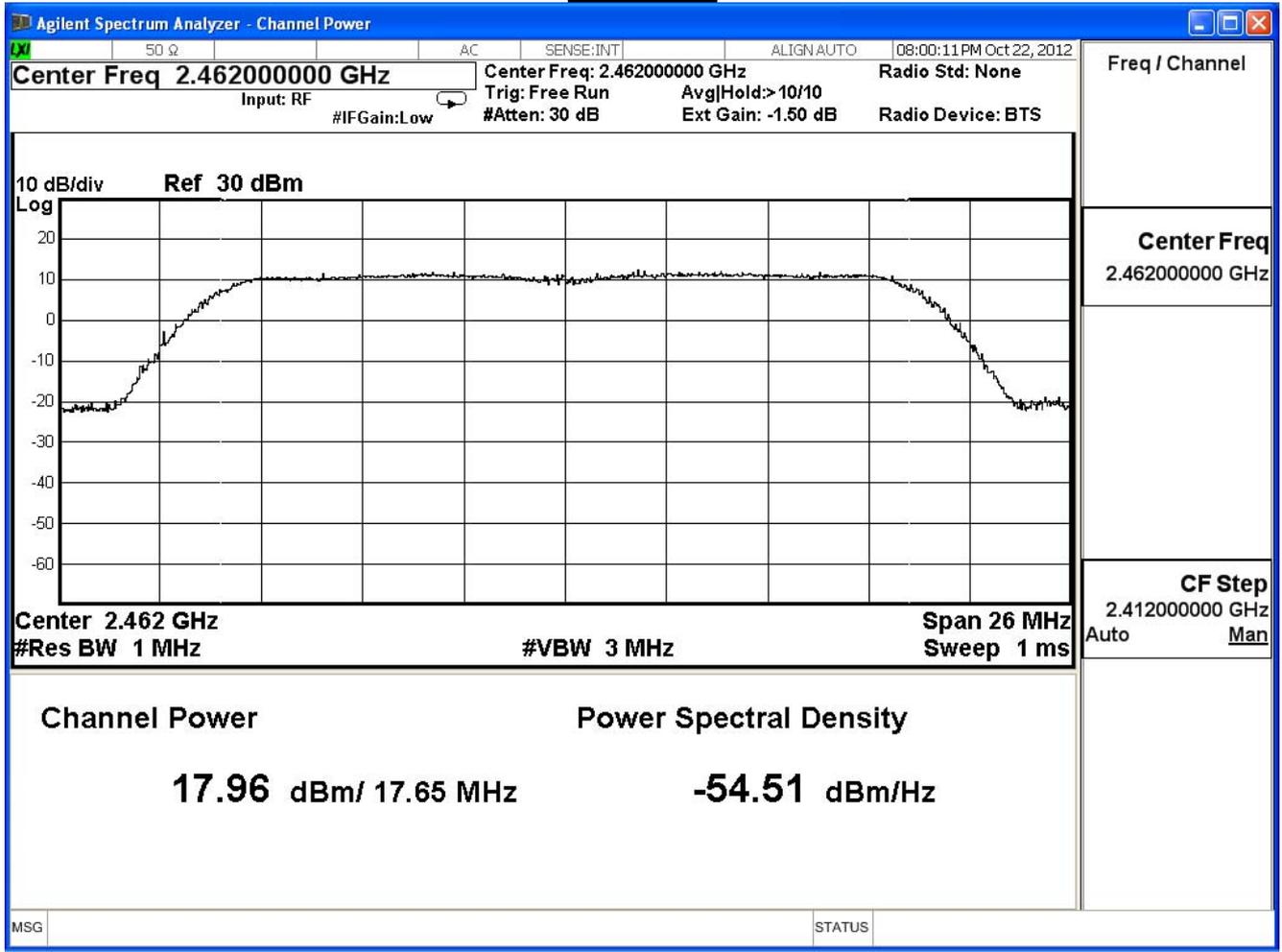
Channel 1



Channel 6



Channel 11



Product	High Power Wireless N Router		
Test Item	Peak Power Output		
Test Mode	Mode 1: Transmit (DSA-12PFA-09)		
Date of Test	2012/10/22	Test Site	SR7

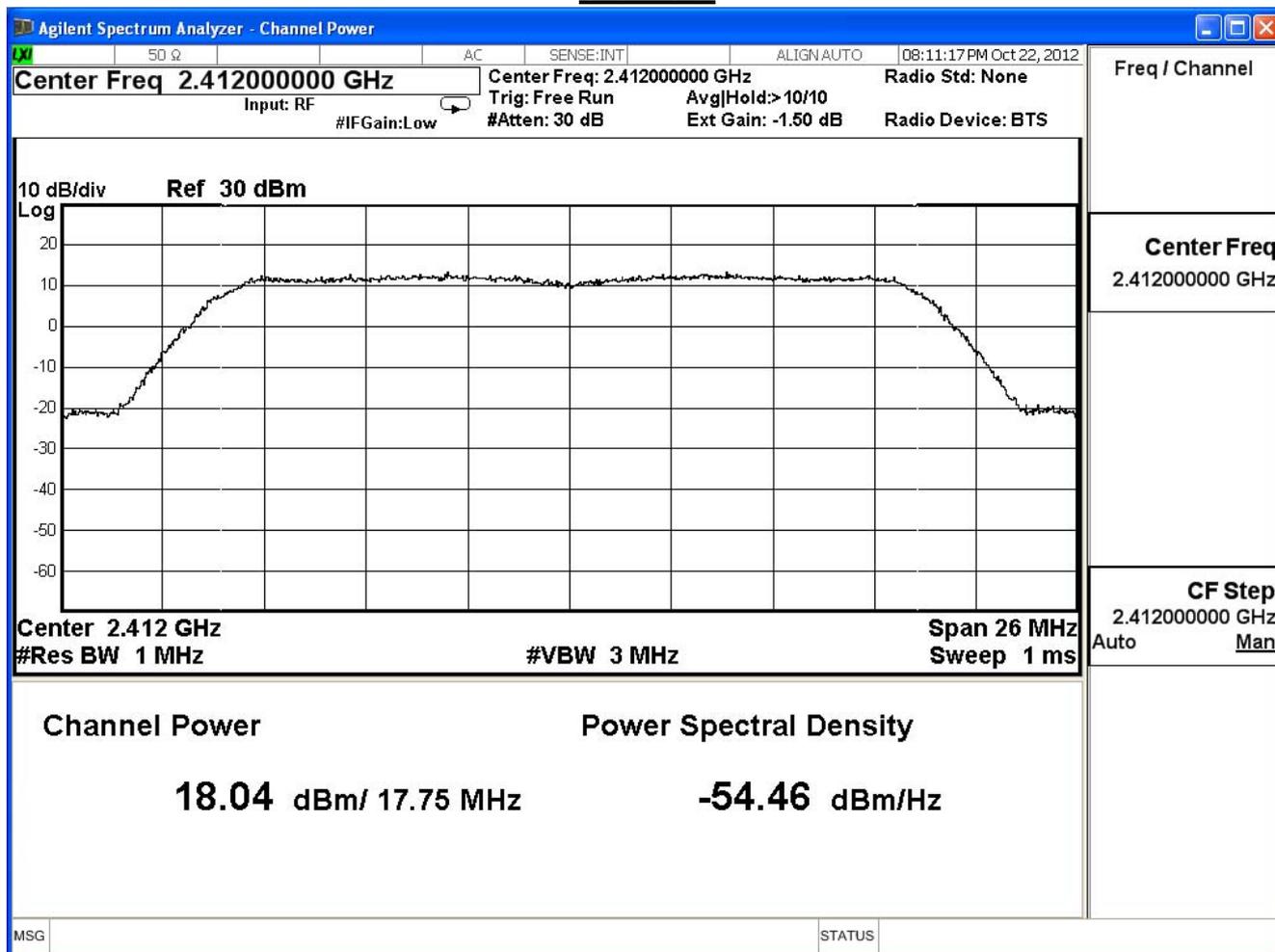
IEEE 802.11n 20MHz (ANT 1)

Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
1	2412	18.040	25.44	Pass
6	2437	19.590	25.44	Pass
11	2462	17.320	25.44	Pass

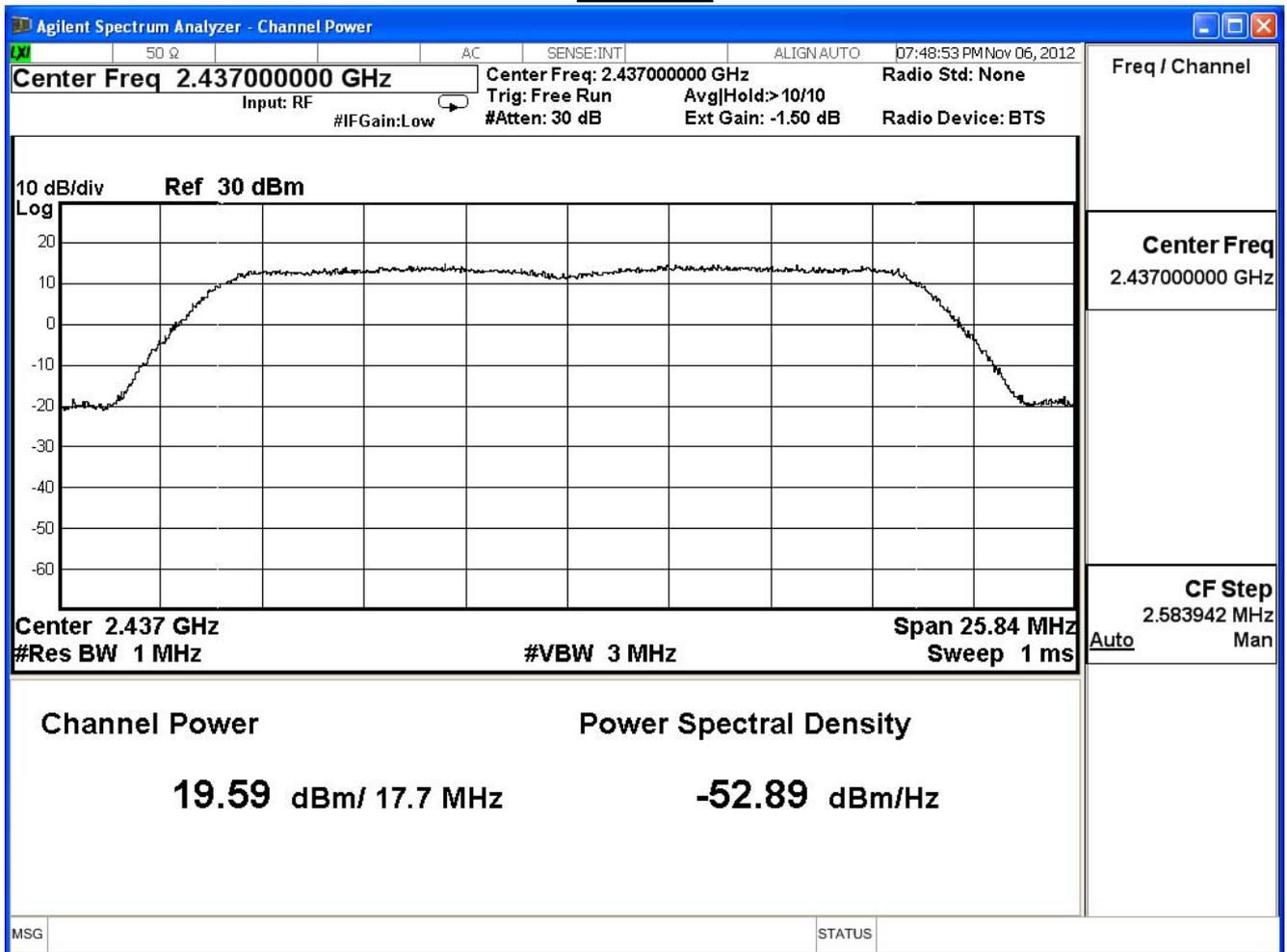
The worst emission of data rate is 13 Mbps.

Peak Power Output (dBm)										
MCS Index		16	17	18	19	20	21	22	23	Required Limit
Channel No	Frequency (MHz)	Data Rate								
		19.5	39	58.5	78	117	156	175.5	195	
1	2412	18.040	--	--	-	--	--	-	--	25.44dBm
6	2437	19.590	19.589	19.587	19.588	19.586	19.584	19.582	19.581	25.44dBm
11	2462	17.320	--	--	-	--	--	-	--	25.44dBm

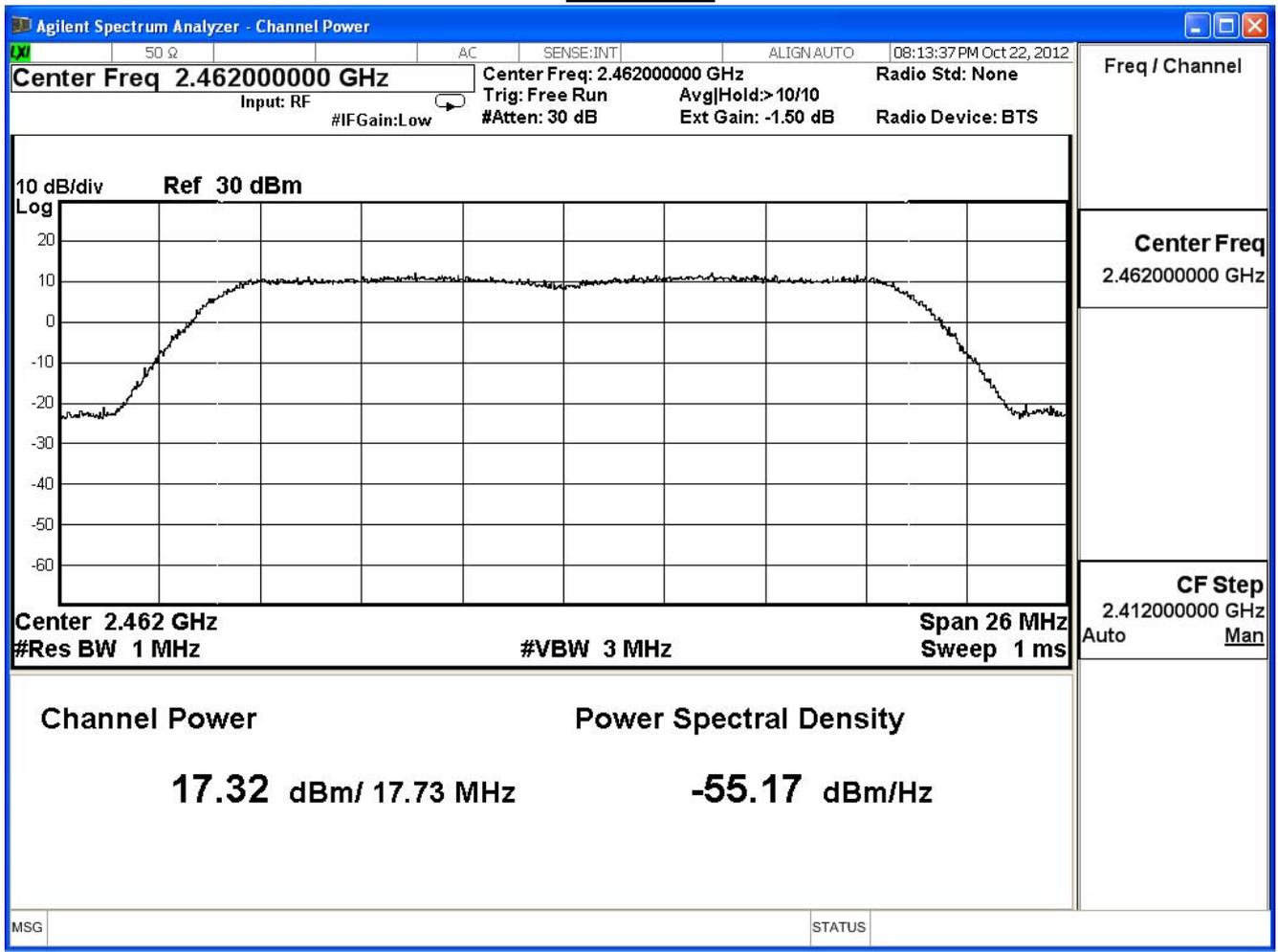
Channel 1



Channel 6



Channel 11



Product	High Power Wireless N Router		
Test Item	Peak Power Output		
Test Mode	Mode 1: Transmit (DSA-12PFA-09)		
Date of Test	2012/10/22	Test Site	SR7

IEEE 802.11n 20MHz (ANT 0+1)

Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
1	2412	21.760	25.44	Pass
6	2437	23.118	25.44	Pass
11	2462	20.662	25.44	Pass

Peak Power Output (dBm)										
MCS Index		16	17	18	19	20	21	22	23	Required Limit
Channel No	Frequency (MHz)	Data Rate								
		19.5	39	58.5	78	117	156	175.5	195	
1	2412	21.760	--	--	-	--	--	-	--	25.44dBm
6	2437	23.118	23.117	23.116	23.114	23.115	23.112	23.111	23.110	25.44dBm
11	2462	20.662	--	--	-	--	--	-	--	25.44dBm

Product	High Power Wireless N Router		
Test Item	Peak Power Output		
Test Mode	Mode 1: Transmit (DSA-12PFA-09)		
Date of Test	2012/10/22	Test Site	SR7

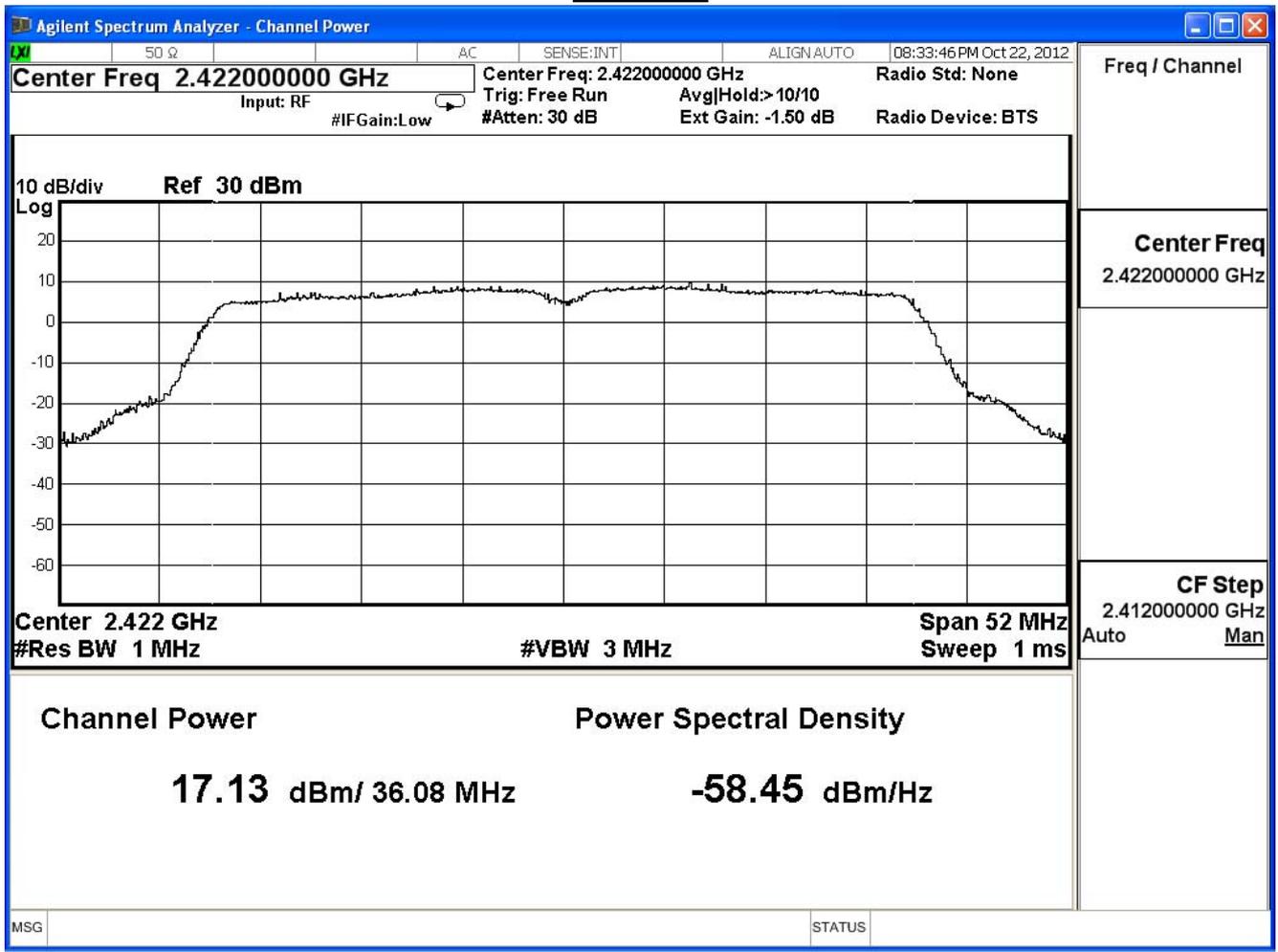
IEEE802.11n 40MHz (ANT 0)

Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
3	2422	17.130	25.44	Pass
6	2437	20.060	25.44	Pass
9	2452	15.240	25.44	Pass

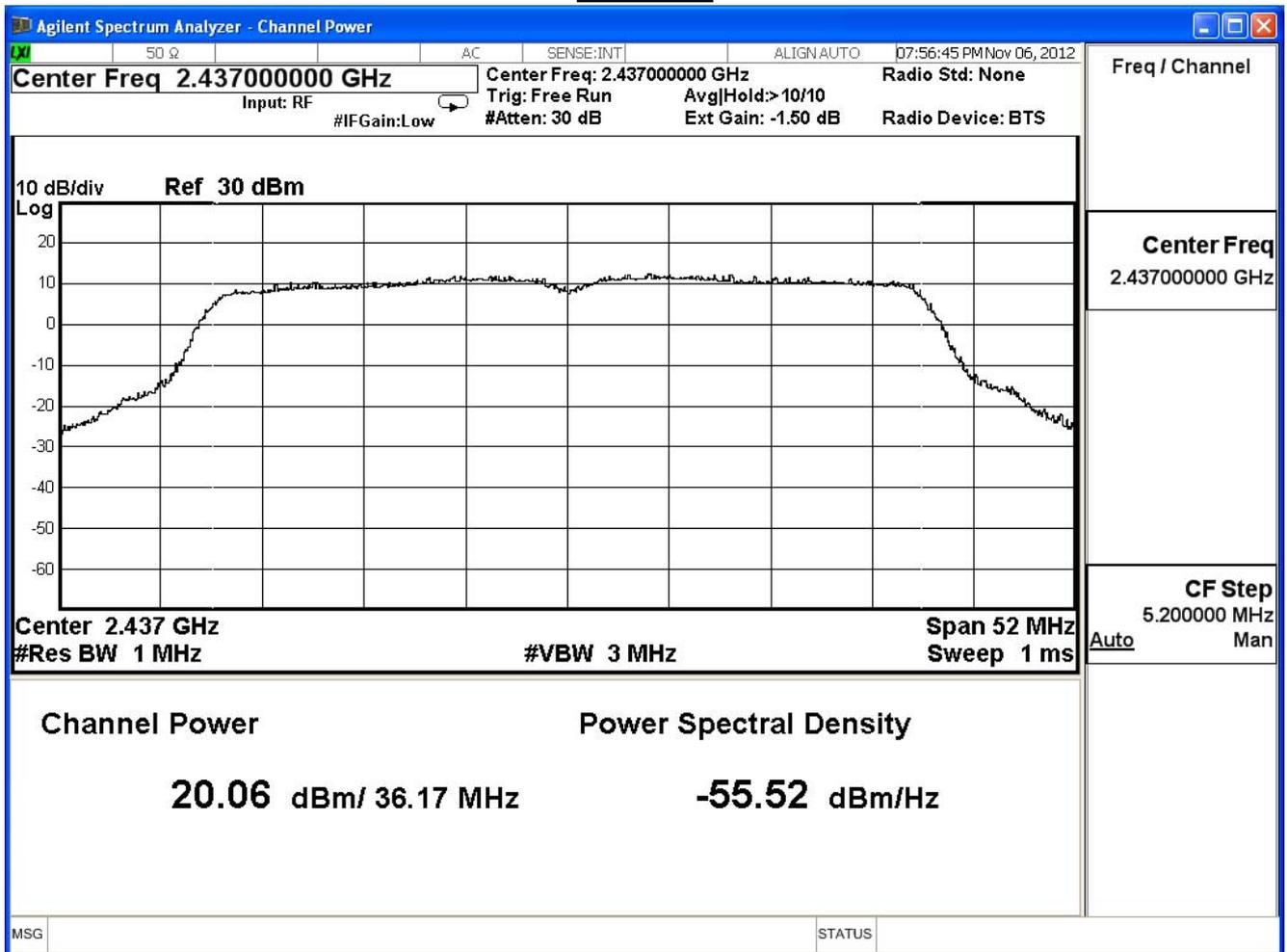
The worst emission of data rate is 27Mbps

Peak Power Output (dBm)										
MCS Index		16	17	18	19	20	21	22	23	Required Limit
Channel No	Frequency (MHz)	Data Rate								
		40.5	81.0	121.5	162.0	243.0	324.0	364.5	405.0	
3	2422	17.130	--	--	-	--	--	-	--	25.44dBm
6	2437	20.060	20.058	20.059	20.057	20.056	20.055	20.054	20.053	25.44dBm
9	2452	15.240	--	--	-	--	--	-	--	25.44dBm

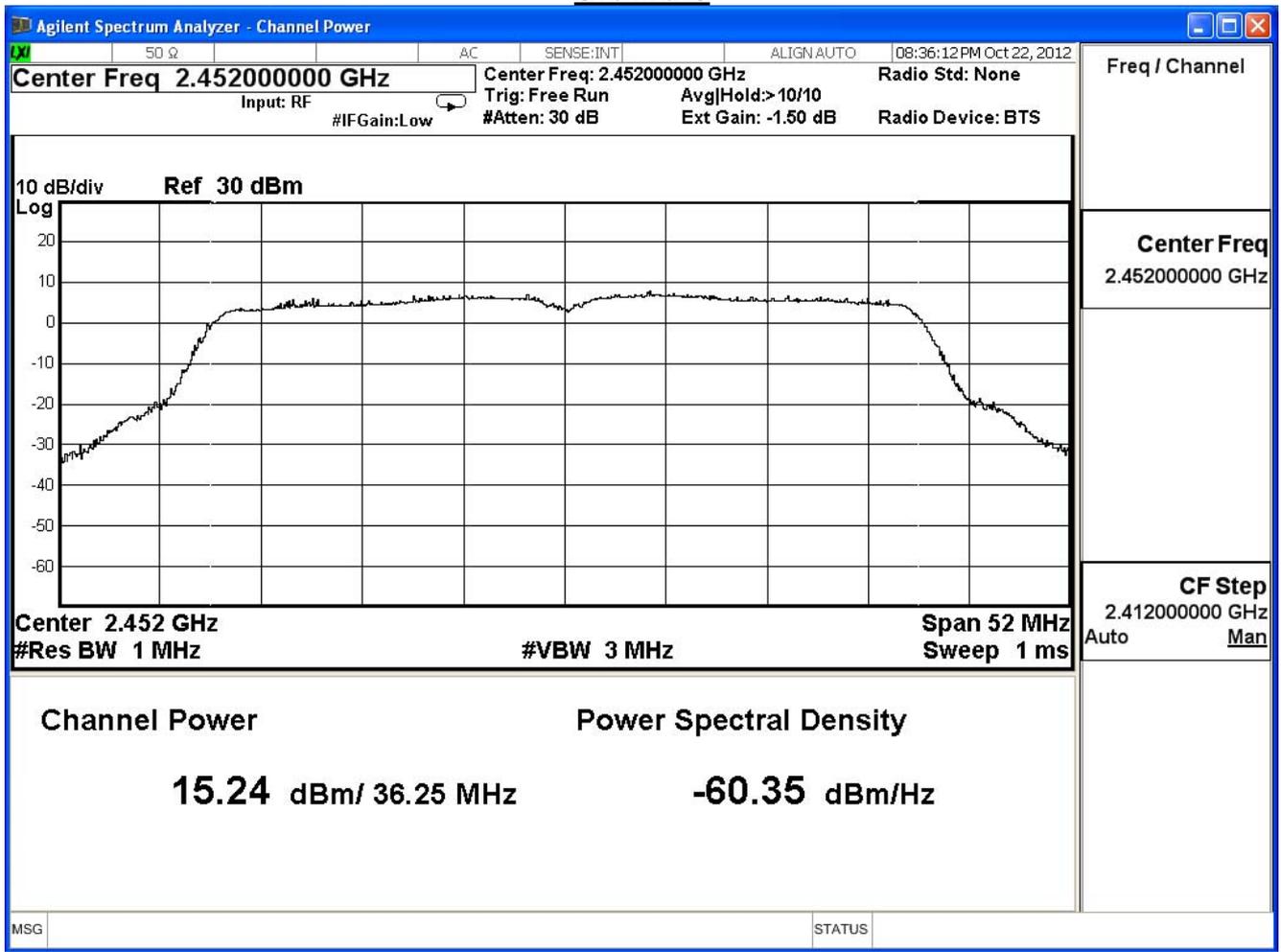
Channel 3



Channel 6



Channel 9



Product	High Power Wireless N Router		
Test Item	Peak Power Output		
Test Mode	Mode 1: Transmit (DSA-12PFA-09)		
Date of Test	2012/10/22	Test Site	SR7

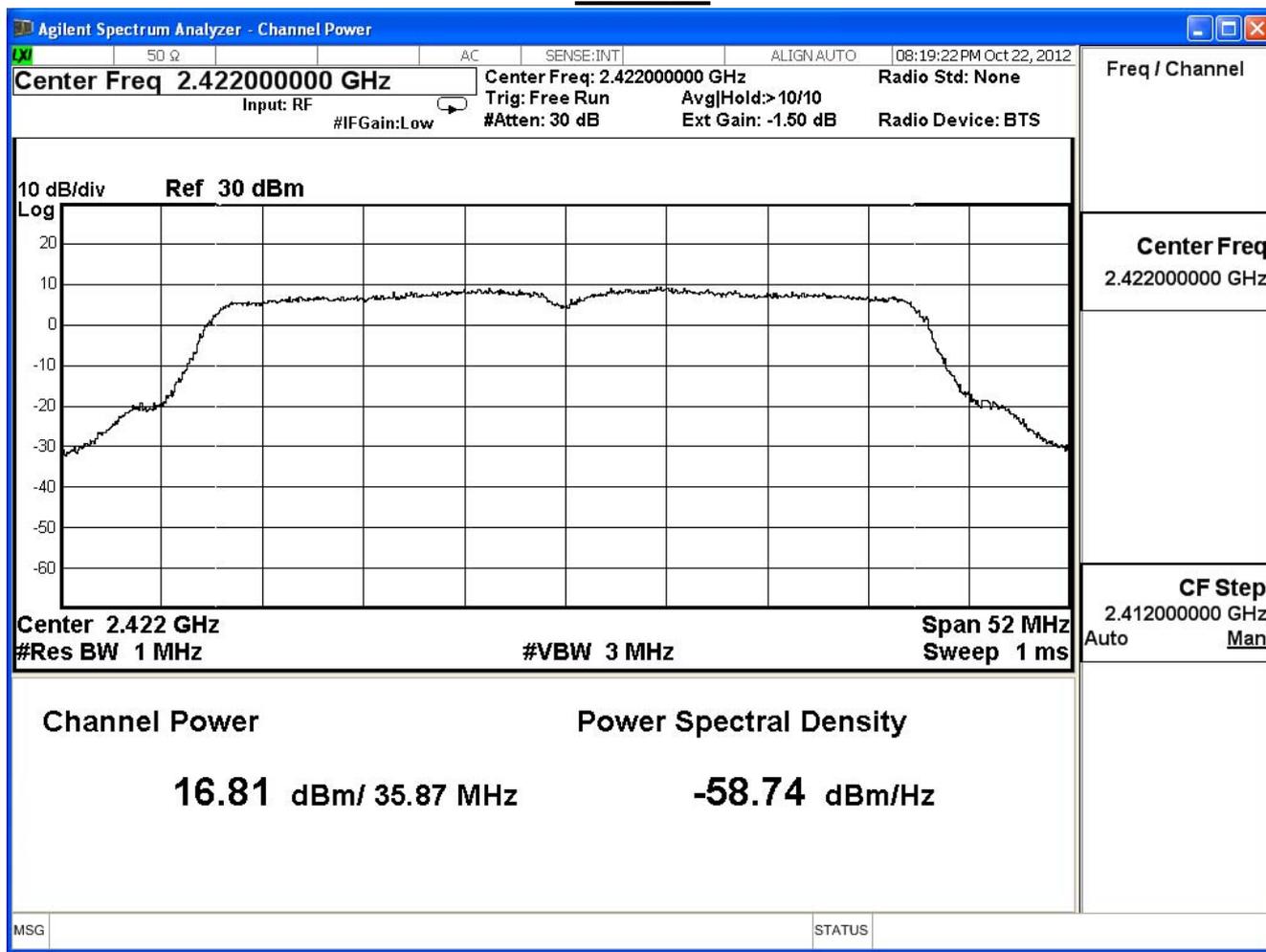
IEEE802.11n 40MHz (ANT 1)

Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
3	2422	16.810	25.44	Pass
6	2437	19.590	25.44	Pass
9	2452	15.250	25.44	Pass

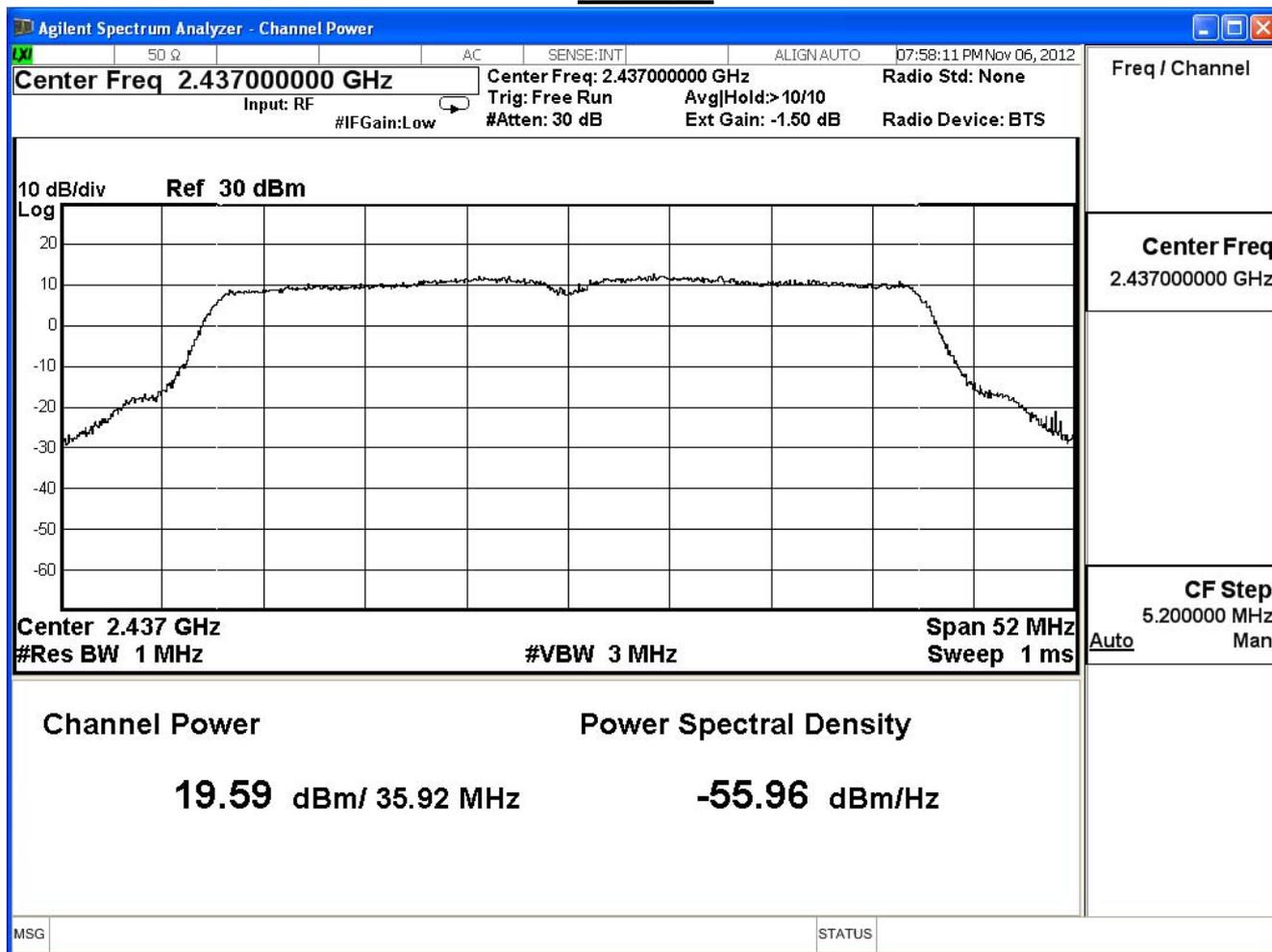
The worst emission of data rate is 27Mbps

Peak Power Output (dBm)										
MCS Index		16	17	18	19	20	21	22	23	Required Limit
Channel No	Frequency (MHz)	Data Rate								
		40.5	81.0	121.5	162.0	243.0	324.0	364.5	405.0	
3	2422	16.810	--	--	-	--	--	-	--	25.44dBm
6	2437	19.590	19.589	19.588	19.587	19.586	19.585	19.584	19.582	25.44dBm
9	2452	15.250	--	--	-	--	--	-	--	25.44dBm

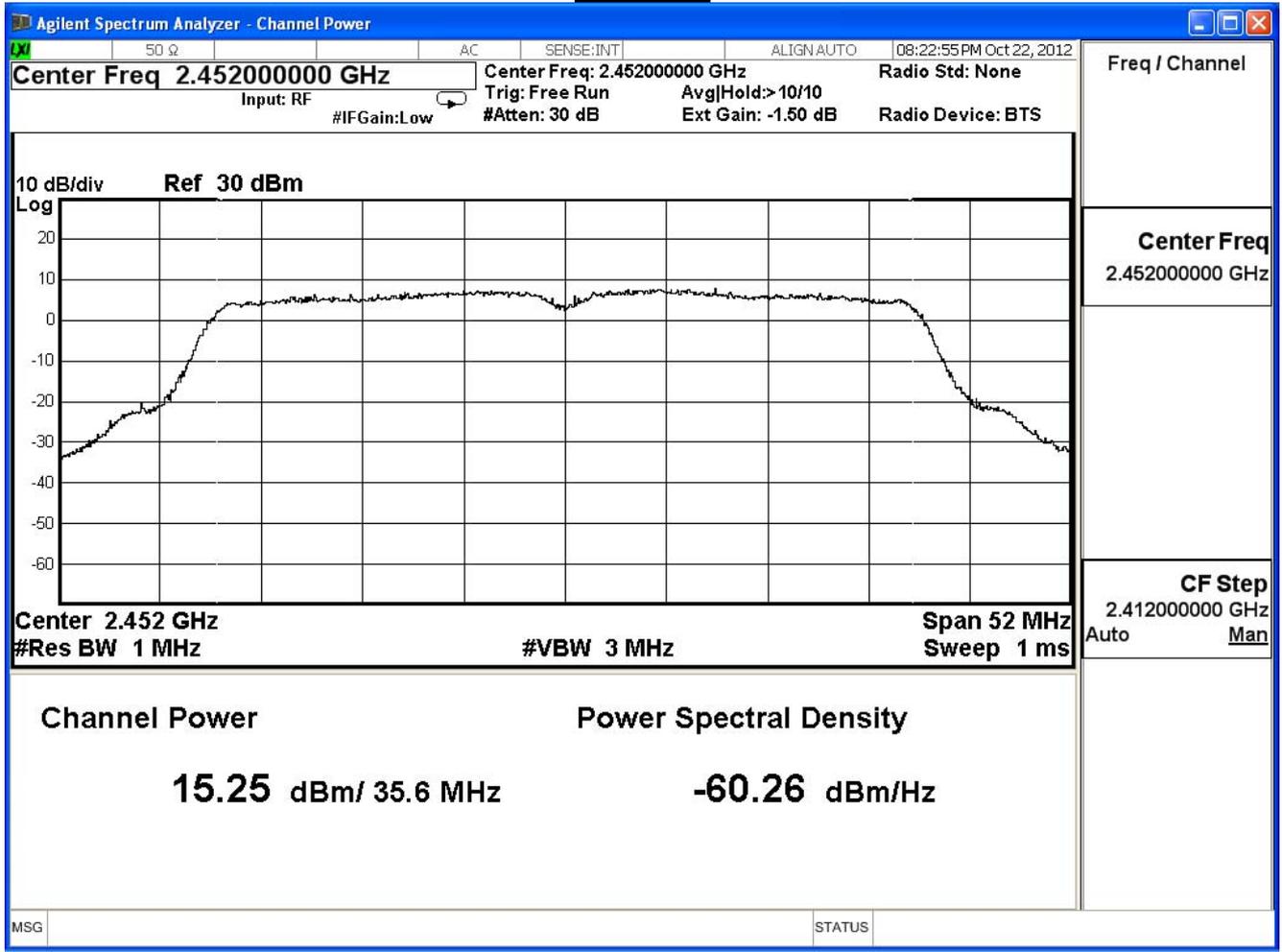
Channel 3



Channel 6



Channel 9



Product	High Power Wireless N Router		
Test Item	Peak Power Output		
Test Mode	Mode 1: Transmit (DSA-12PFA-09)		
Date of Test	2012/10/22	Test Site	SR7

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

Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
3	2422	19.983	25.44	Pass
6	2437	22.842	25.44	Pass
9	2452	18.255	25.44	Pass

Peak Power Output (dBm)										
MCS Index		16	17	18	19	20	21	22	23	Required Limit
Channel No	Frequency (MHz)	Data Rate								
		40.5	81.0	121.5	162.0	243.0	324.0	364.5	405.0	
3	2422	19.983	--	--	-	--	--	-	--	25.44dBm
6	2437	22.842	22.841	22.840	22.839	22.838	22.837	22.836	22.834	25.44dBm
9	2452	18.255	--	--	-	--	--	-	--	25.44dBm

4. Radiated Emission

4.1. Test Equipment

The following test equipments are used during the test:

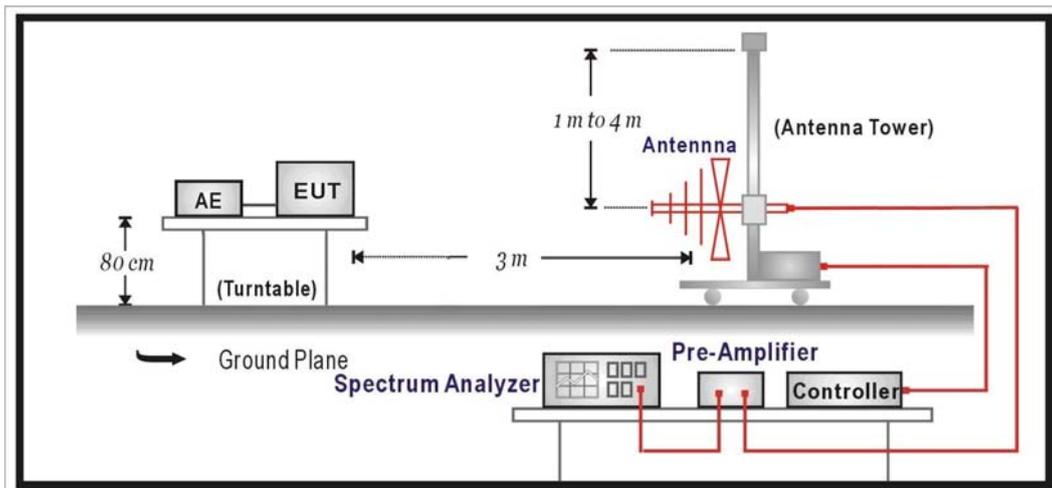
Radiated Emission / CB1

Instrument	Manufacturer	Model No.	Serial No	Next Cal. Date
Bilog Antenna	SCHAFFNER	CBL6112B	2895	2013/08/14
Double Ridged Guide Horn Antenna	Schwarzback	BBHA 9120D	743	2013/02/02
Pre-Amplifier	MITEQ	AMF-4D-005180-24-10P	888003	2012/12/05
Pre-Amplifier	QuieTek	AP-025C	CHM-0706049	2013/03/01
Spectrum Analyzer	Agilent	E4440A	MY46187335	2013/02/07
Coaxial Cable	Huber+Suhner AG	Sucoflex 102	25623/2	2013/03/04

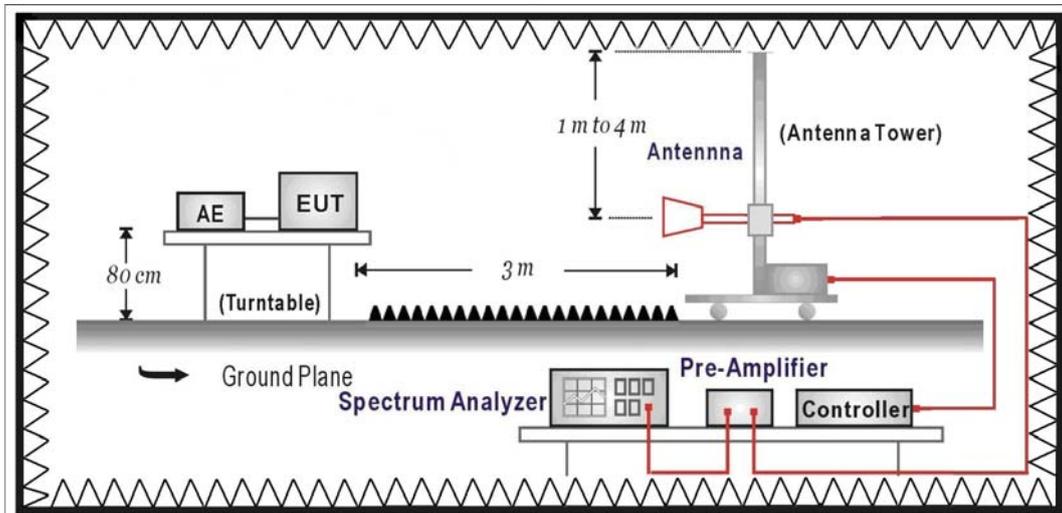
Note: 1. All equipments that need to calibrate are with calibration period of 1 year.

4.2. Test Setup

Under 1GHz Test Setup:



Above 1GHz Test Setup:



4.3. Limits

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

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

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

4.4. Test Procedure

The EUT was setup according to ANSI C63.4: 2009 and tested according to DTS test procedure of Jan. 2012 KDB558074 for compliance to FCC 47CFR 15.247 requirements. The EUT and its simulators are placed on a turn table which is 0.8 meter above ground. The turn table can rotate 360 degrees to determine the position of the maximum emission level. The antenna can move up and down between 1 meter and 4 meters to find out the maximum emission level.

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

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

4.5. Test Specification

According to FCC Part 15 Subpart C Paragraph 15.247: 2011

4.6. Uncertainty

The measurement uncertainty

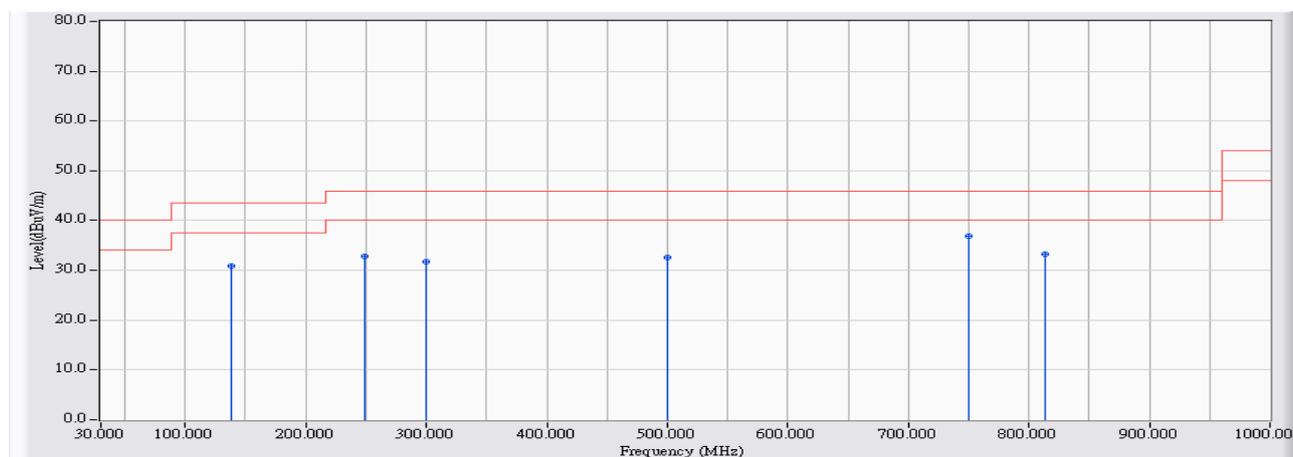
30MHz~1GHz as ±3.43dB

1GHz~26.5Ghz as ±3.65dB

4.7. Test Result

30MHz-1GHz Spurious

Site : CB1	Time : 2012/10/29 - 19:04
Limit : FCC_CLASS_B_03M_QP	Margin : 6
Probe : CB1_FCC_EFS_30-1G-2_1011 - HORIZONTAL	Power : AC 120V / 60Hz
EUT : High Power Wireless N Router	Note : Mode 1: Transmit (DSA-12PFA-09) _802.11b_2437MHz

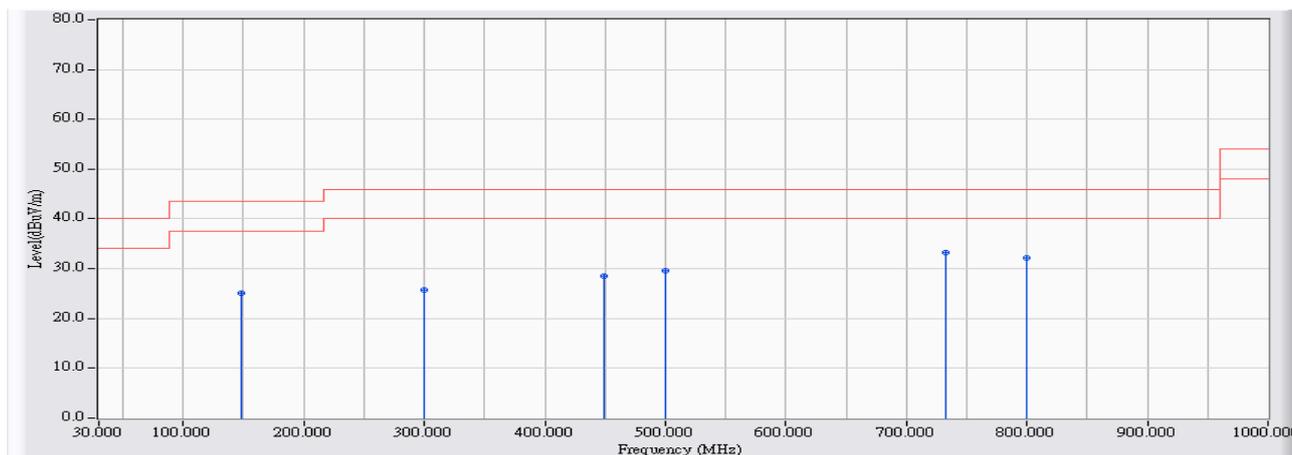


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	138.640	-12.500	43.332	30.833	-12.667	43.500	QUASIPeAK
2	249.220	-10.981	43.880	32.900	-13.100	46.000	QUASIPeAK
3	299.660	-9.934	41.781	31.847	-14.153	46.000	QUASIPeAK
4	499.480	-5.103	37.760	32.657	-13.343	46.000	QUASIPeAK
5	* 749.740	-3.593	40.409	36.816	-9.184	46.000	QUASIPeAK
6	813.760	-2.911	36.183	33.273	-12.727	46.000	QUASIPeAK

Note:

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

Site : CB1	Time : 2012/10/29 -19:08
Limit : FCC_CLASS_B_03M_QP	Margin : 6
Probe : CB1_FCC_EFS_30-1G-2_1011 - VERTICAL	Power : AC 120V / 60Hz
EUT : High Power Wireless N Router	Note : Mode 1: Transmit (DSA-12PFA-09) _802.11b_2437MHz

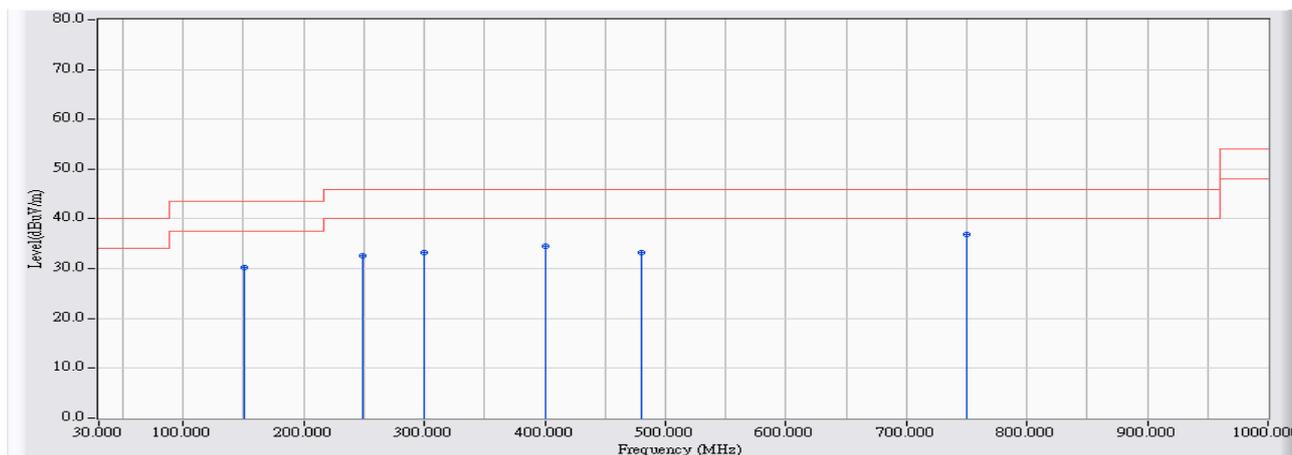


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	148.340	-12.982	37.977	24.996	-18.504	43.500	QUASPEAK
2	299.660	-9.934	35.718	25.784	-20.216	46.000	QUASPEAK
3	449.040	-6.313	34.814	28.501	-17.499	46.000	QUASPEAK
4	499.480	-5.103	34.778	29.675	-16.325	46.000	QUASPEAK
5	* 732.280	-3.816	37.094	33.279	-12.721	46.000	QUASPEAK
6	800.180	-2.983	35.122	32.139	-13.861	46.000	QUASPEAK

Note:

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

Site : CB1	Time : 2012/10/29 - 19:13
Limit : FCC_CLASS_B_03M_QP	Margin : 6
Probe : CB1_FCC_EFS_30-1G-2_1011 - HORIZONTAL	Power : AC 120V / 60Hz
EUT : High Power Wireless N Router	Note : Mode 1: Transmit (DSA-12PFA-09) _802.11g_2437MHz

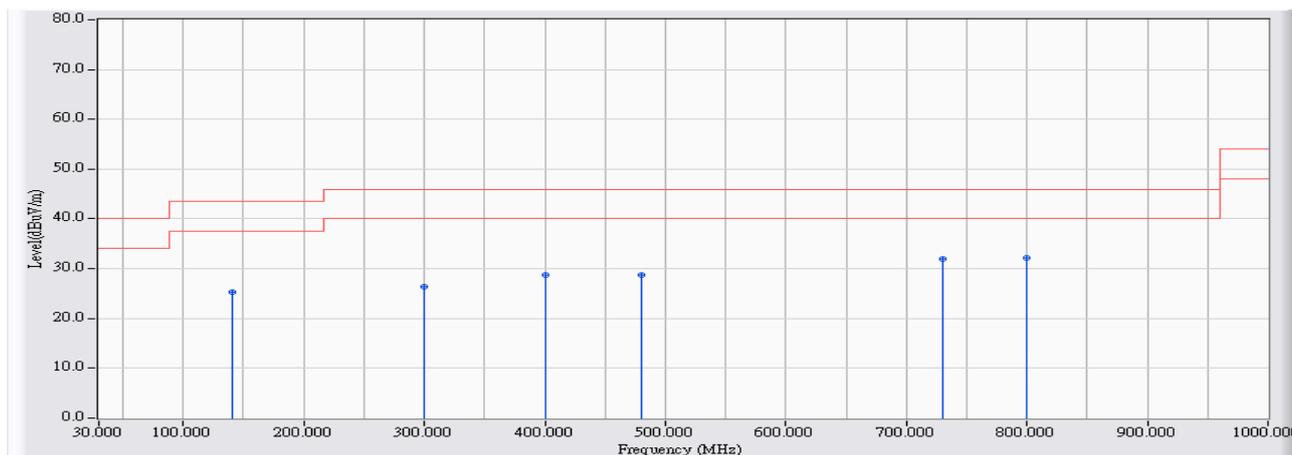


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	150.280	-13.082	43.322	30.240	-13.260	43.500	QUASPEAK
2	249.220	-10.981	43.601	32.621	-13.379	46.000	QUASPEAK
3	299.660	-9.934	43.263	33.329	-12.671	46.000	QUASPEAK
4	400.540	-7.388	41.817	34.429	-11.571	46.000	QUASPEAK
5	480.080	-5.569	38.762	33.193	-12.807	46.000	QUASPEAK
6	* 749.740	-3.593	40.387	36.794	-9.206	46.000	QUASPEAK

Note:

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

Site : CB1	Time : 2012/10/29 - 19:16
Limit : FCC_CLASS_B_03M_QP	Margin : 6
Probe : CB1_FCC_EFS_30-1G-2_1011 - VERTICAL	Power : AC 120V / 60Hz
EUT : High Power Wireless N Router	Note : Mode 1: Transmit (DSA-12PFA-09) _802.11g_2437MHz

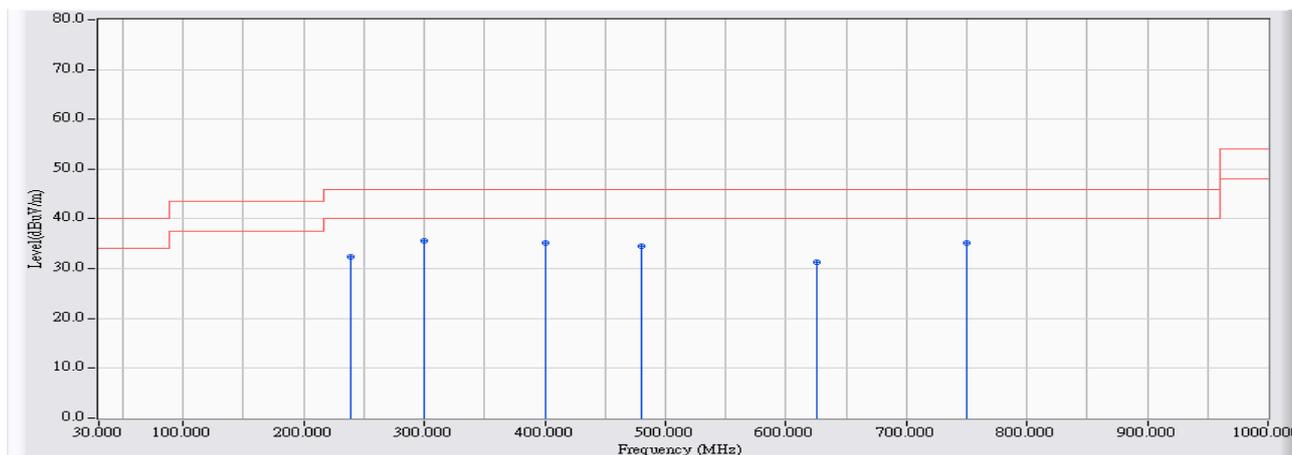


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	140.580	-12.579	37.789	25.210	-18.290	43.500	QUASPEAK
2	299.660	-9.934	36.286	26.352	-19.648	46.000	QUASPEAK
3	400.540	-7.388	36.217	28.829	-17.171	46.000	QUASPEAK
4	480.080	-5.569	34.298	28.729	-17.271	46.000	QUASPEAK
5	730.340	-3.840	35.854	32.014	-13.986	46.000	QUASPEAK
6	* 800.180	-2.983	35.195	32.212	-13.788	46.000	QUASPEAK

Note:

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

Site : CB1	Time : 2012/10/29 - 19:20
Limit : FCC_CLASS_B_03M_QP	Margin : 6
Probe : CB1_FCC_EFS_30-1G-2_1011 - HORIZONTAL	Power : AC 120V / 60Hz
EUT : High Power Wireless N Router	Note : Mode 1: Transmit (DSA-12PFA-09) _802.11n(20MHz)_2437MHz

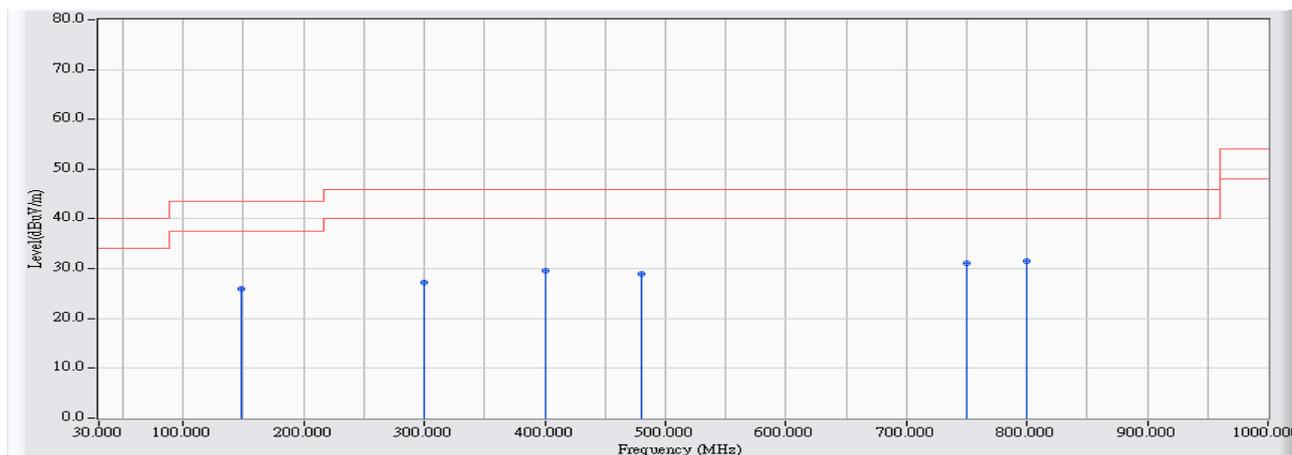


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	239.520	-11.707	44.102	32.395	-13.605	46.000	QUASPEAK
2	* 299.660	-9.934	45.638	35.704	-10.296	46.000	QUASPEAK
3	400.540	-7.388	42.548	35.160	-10.840	46.000	QUASPEAK
4	480.080	-5.569	40.084	34.515	-11.485	46.000	QUASPEAK
5	625.580	-4.714	35.946	31.232	-14.768	46.000	QUASPEAK
6	749.740	-3.593	38.846	35.253	-10.747	46.000	QUASPEAK

Note:

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

Site : CB1	Time : 2012/10/29 - 19:23
Limit : FCC_CLASS_B_03M_QP	Margin : 6
Probe : CB1_FCC_EFS_30-1G-2_1011 - VERTICAL	Power : AC 120V / 60Hz
EUT : High Power Wireless N Router	Note : Mode 1: Transmit (DSA-12PFA-09) _802.11n(20MHz)_2437MHz

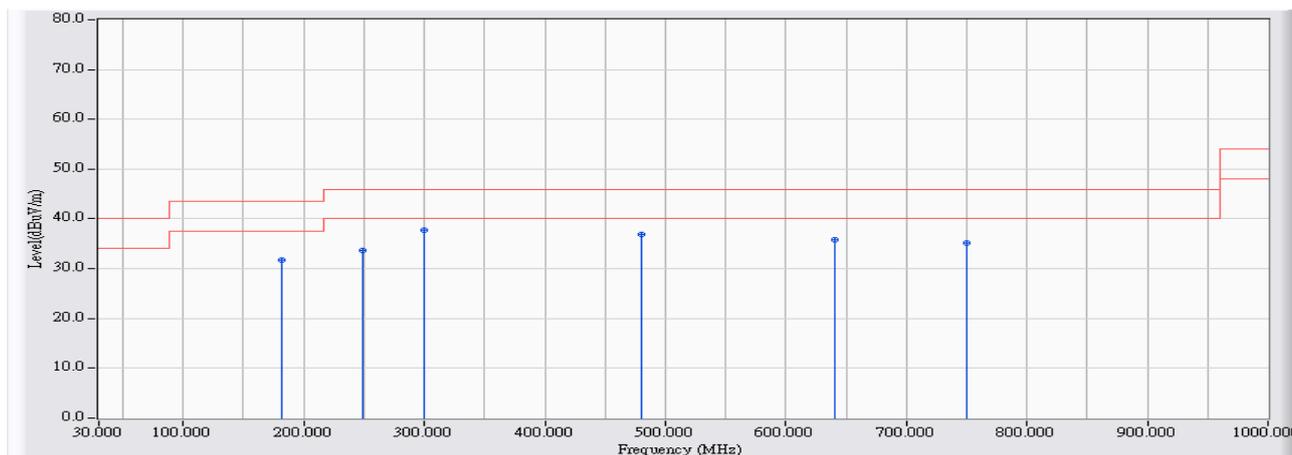


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	148.340	-12.982	38.893	25.912	-17.588	43.500	QUASPEAK
2	299.660	-9.934	37.269	27.335	-18.665	46.000	QUASPEAK
3	400.540	-7.388	37.070	29.682	-16.318	46.000	QUASPEAK
4	480.080	-5.569	34.612	29.043	-16.957	46.000	QUASPEAK
5	749.740	-3.593	34.602	31.009	-14.991	46.000	QUASPEAK
6	* 800.180	-2.983	34.583	31.600	-14.400	46.000	QUASPEAK

Note:

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

Site : CB1	Time : 2012/10/29 - 19:29
Limit : FCC_CLASS_B_03M_QP	Margin : 6
Probe : CB1_FCC_EFS_30-1G-2_1011 - HORIZONTAL	Power : AC 120V / 60Hz
EUT : High Power Wireless N Router	Note : Mode 1: Transmit (DSA-12PFA-09) _802.11n(40MHz)_2437MHz

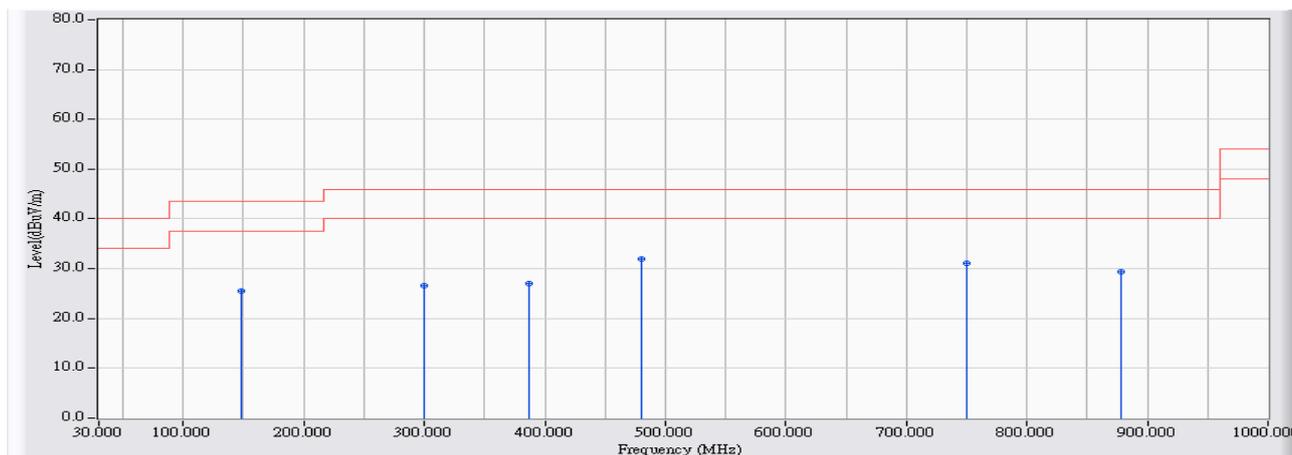


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	181.320	-14.530	46.248	31.719	-11.781	43.500	QUASPEAK
2	249.220	-10.981	44.661	33.681	-12.319	46.000	QUASPEAK
3	* 299.660	-9.934	47.739	37.805	-8.195	46.000	QUASPEAK
4	480.080	-5.569	42.536	36.967	-9.033	46.000	QUASPEAK
5	641.100	-4.612	40.448	35.836	-10.164	46.000	QUASPEAK
6	749.740	-3.593	38.828	35.235	-10.765	46.000	QUASPEAK

Note:

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

Site : CB1	Time : 2012/10/29 - 19:32
Limit : FCC_CLASS_B_03M_QP	Margin : 6
Probe : CB1_FCC_EFS_30-1G-2_1011 - VERTICAL	Power : AC 120V / 60Hz
EUT : High Power Wireless N Router	Note : Mode 1: Transmit (DSA-12PFA-09) _802.11n(40MHz)_2437MHz

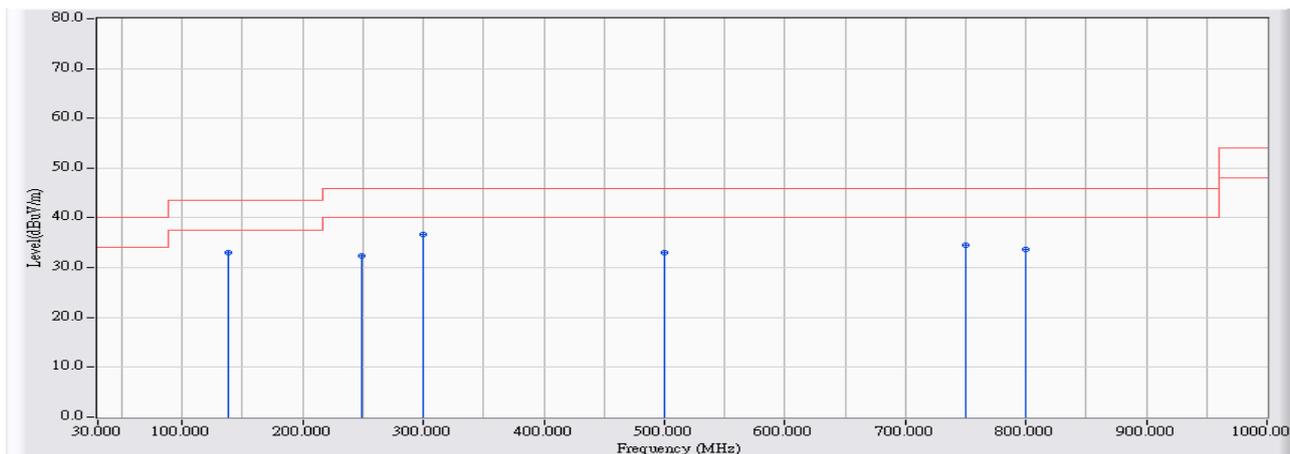


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	148.340	-12.982	38.521	25.540	-17.960	43.500	QUASPEAK
2	299.660	-9.934	36.591	26.657	-19.343	46.000	QUASPEAK
3	386.960	-7.738	34.838	27.100	-18.900	46.000	QUASPEAK
4	* 480.080	-5.569	37.584	32.015	-13.985	46.000	QUASPEAK
5	749.740	-3.593	34.766	31.173	-14.827	46.000	QUASPEAK
6	877.780	-2.575	31.952	29.378	-16.622	46.000	QUASPEAK

Note:

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

Site : CB1	Time : 2012/10/29 - 20:00
Limit : FCC_CLASS_B_03M_QP	Margin : 6
Probe : CB1_FCC_EFS_30-1G-2_1011 - HORIZONTAL	Power : AC 120V / 60Hz
EUT : High Power Wireless N Router	Note : Mode2:Transmit (PSA12A-120) _802.11b_2437MHz

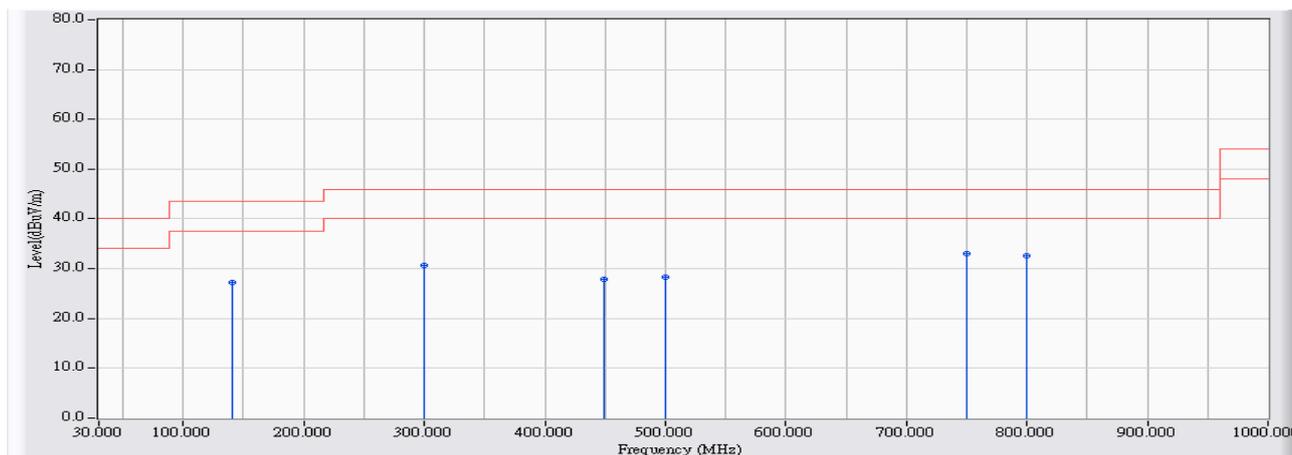


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	138.640	-12.500	45.515	33.016	-10.484	43.500	QUASPEAK
2	249.220	-10.981	43.453	32.473	-13.527	46.000	QUASPEAK
3	* 299.660	-9.934	46.529	36.595	-9.405	46.000	QUASPEAK
4	499.480	-5.103	38.174	33.071	-12.929	46.000	QUASPEAK
5	749.740	-3.593	38.106	34.513	-11.487	46.000	QUASPEAK
6	800.180	-2.983	36.653	33.670	-12.330	46.000	QUASPEAK

Note:

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

Site : CB1	Time : 2012/10/29 - 20:03
Limit : FCC_CLASS_B_03M_QP	Margin : 6
Probe : CB1_FCC_EFS_30-1G-2_1011 - VERTICAL	Power : AC 120V / 60Hz
EUT : High Power Wireless N Router	Note : Mode2:Transmit (PSA12A-120) _802.11b_2437MHz

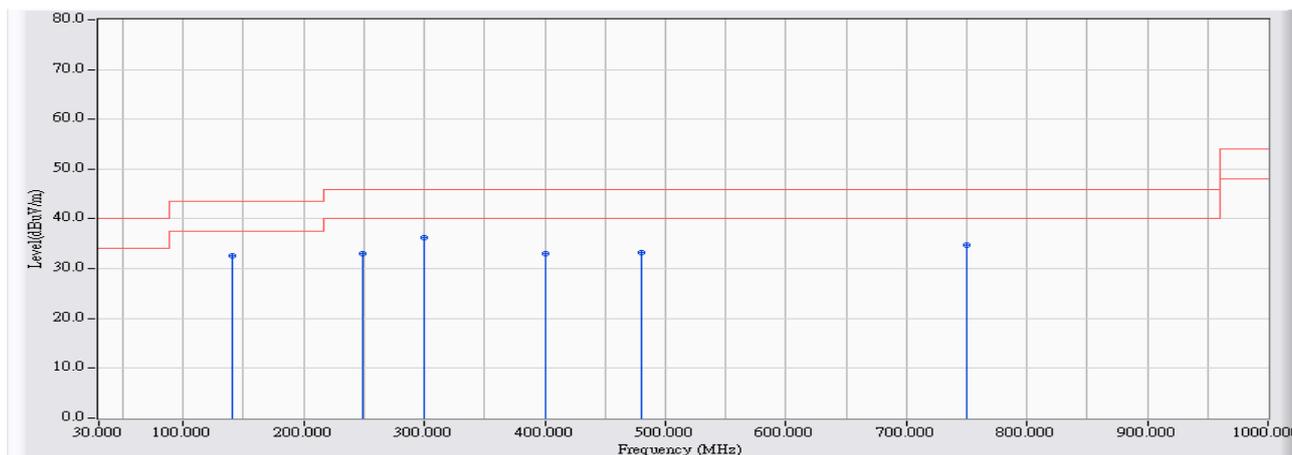


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	140.580	-12.579	39.790	27.211	-16.289	43.500	QUASPEAK
2	299.660	-9.934	40.617	30.683	-15.317	46.000	QUASPEAK
3	449.040	-6.313	34.254	27.941	-18.059	46.000	QUASPEAK
4	499.480	-5.103	33.375	28.272	-17.728	46.000	QUASPEAK
5	* 749.740	-3.593	36.566	32.973	-13.027	46.000	QUASPEAK
6	800.180	-2.983	35.645	32.662	-13.338	46.000	QUASPEAK

Note:

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

Site : CB1	Time : 2012/10/29 - 20:07
Limit : FCC_CLASS_B_03M_QP	Margin : 6
Probe : CB1_FCC_EFS_30-1G-2_1011 - HORIZONTAL	Power : AC 120V / 60Hz
EUT : High Power Wireless N Router	Note : Mode2:Transmit (PSA12A-120) _802.11g_2437MHz

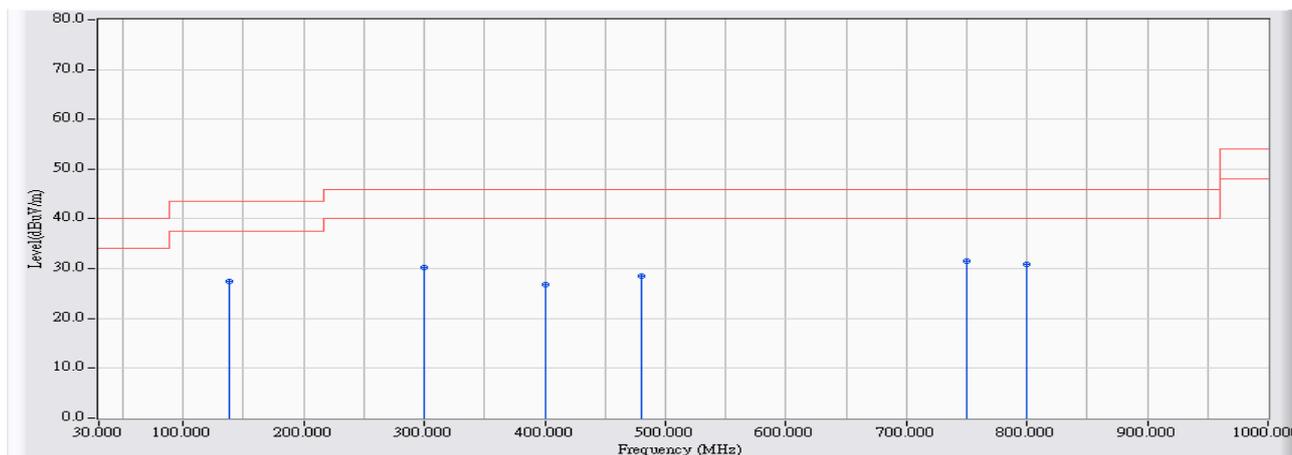


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	140.580	-12.579	45.119	32.540	-10.960	43.500	QUASPEAK
2	249.220	-10.981	43.922	32.942	-13.058	46.000	QUASPEAK
3	* 299.660	-9.934	46.194	36.260	-9.740	46.000	QUASPEAK
4	400.540	-7.388	40.499	33.111	-12.889	46.000	QUASPEAK
5	480.080	-5.569	38.894	33.325	-12.675	46.000	QUASPEAK
6	749.740	-3.593	38.240	34.647	-11.353	46.000	QUASPEAK

Note:

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

Site : CB1	Time : 2012/10/29 - 20:11
Limit : FCC_CLASS_B_03M_QP	Margin : 6
Probe : CB1_FCC_EFS_30-1G-2_1011 - VERTICAL	Power : AC 120V / 60Hz
EUT : High Power Wireless N Router	Note : Mode2:Transmit (PSA12A-120) _802.11g_2437MHz

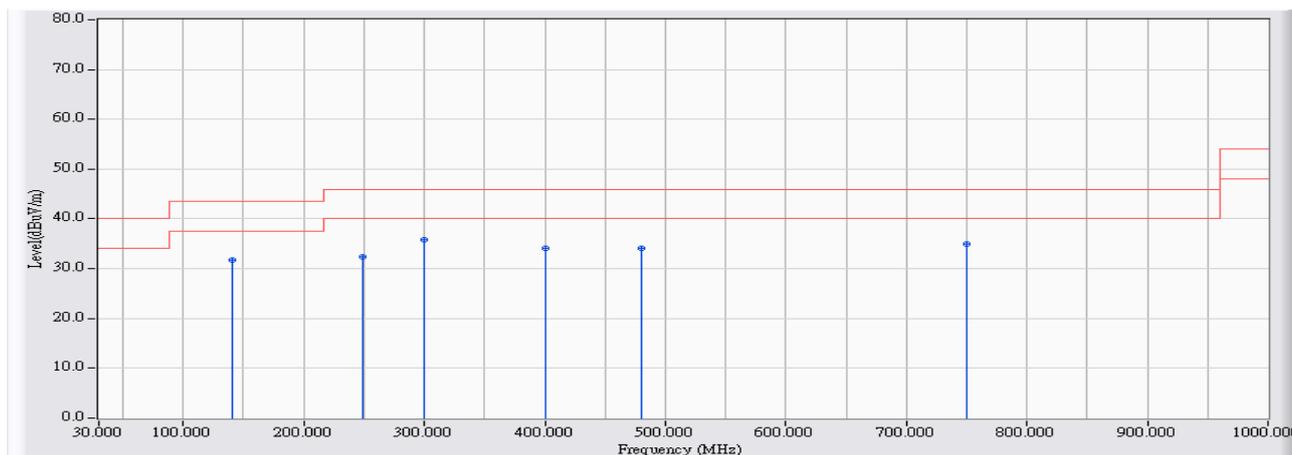


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	138.640	-12.500	39.944	27.445	-16.055	43.500	QUASPEAK
2	299.660	-9.934	40.125	30.191	-15.809	46.000	QUASPEAK
3	400.540	-7.388	34.216	26.828	-19.172	46.000	QUASPEAK
4	480.080	-5.569	34.034	28.465	-17.535	46.000	QUASPEAK
5	* 749.740	-3.593	35.037	31.444	-14.556	46.000	QUASPEAK
6	800.180	-2.983	33.775	30.792	-15.208	46.000	QUASPEAK

Note:

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

Site : CB1	Time : 2012/10/29 - 21:17
Limit : FCC_CLASS_B_03M_QP	Margin : 6
Probe : CB1_FCC_EFS_30-1G-2_1011 - HORIZONTAL	Power : AC 120V / 60Hz
EUT : High Power Wireless N Router	Note : Mode2:Transmit (PSA12A-120) _802.11n(20MHz)_2437MHz

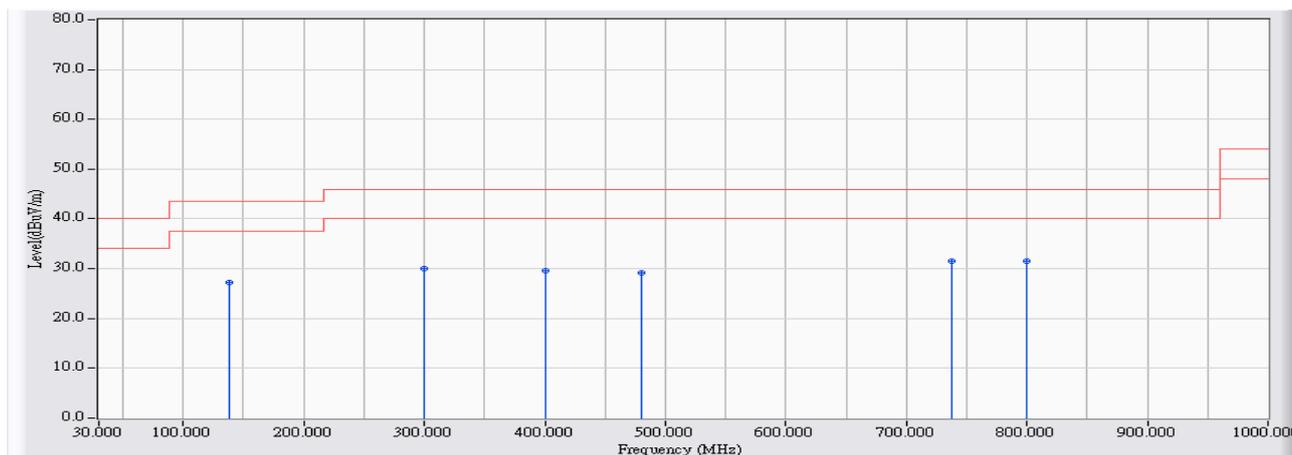


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	140.580	-12.579	44.348	31.769	-11.731	43.500	QUASPEAK
2	249.220	-10.981	43.304	32.324	-13.676	46.000	QUASPEAK
3	* 299.660	-9.934	45.754	35.820	-10.180	46.000	QUASPEAK
4	400.540	-7.388	41.449	34.061	-11.939	46.000	QUASPEAK
5	480.080	-5.569	39.589	34.020	-11.980	46.000	QUASPEAK
6	749.740	-3.593	38.522	34.929	-11.071	46.000	QUASPEAK

Note:

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

Site : CB1	Time : 2012/10/29 - 21:20
Limit : FCC_CLASS_B_03M_QP	Margin : 6
Probe : CB1_FCC_EFS_30-1G-2_1011 - VERTICAL	Power : AC 120V / 60Hz
EUT : High Power Wireless N Router	Note : Mode2:Transmit (PSA12A-120) _802.11n(20MHz)_2437MHz

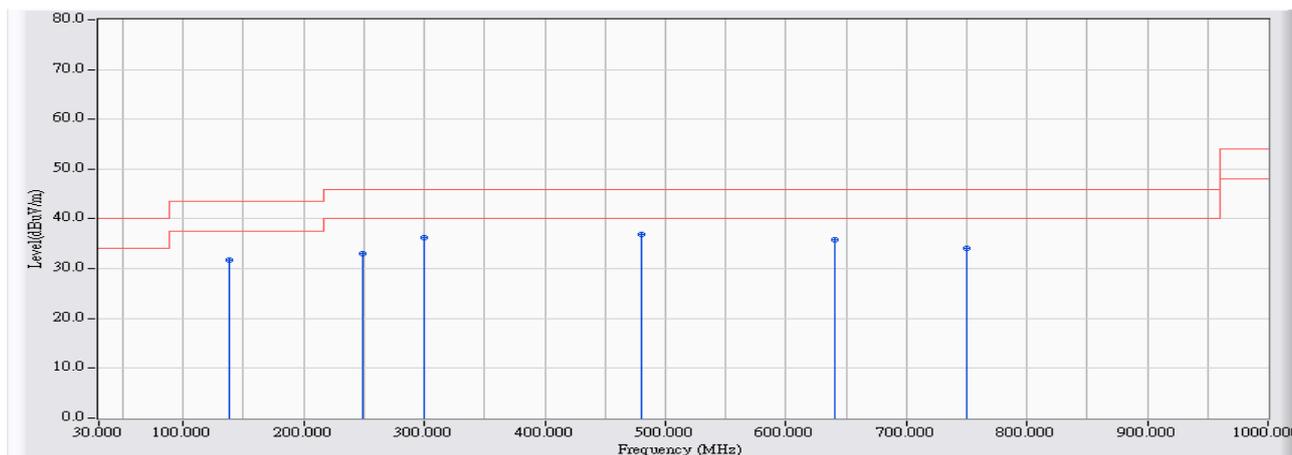


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	138.640	-12.500	39.638	27.139	-16.361	43.500	QUASPEAK
2	299.660	-9.934	40.018	30.084	-15.916	46.000	QUASPEAK
3	400.540	-7.388	36.922	29.534	-16.466	46.000	QUASPEAK
4	480.080	-5.569	34.795	29.226	-16.774	46.000	QUASPEAK
5	* 738.100	-3.741	35.277	31.536	-14.464	46.000	QUASPEAK
6	800.180	-2.983	34.437	31.454	-14.546	46.000	QUASPEAK

Note:

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

Site : CB1	Time : 2012/10/29 - 21:24
Limit : FCC_CLASS_B_03M_QP	Margin : 6
Probe : CB1_FCC_EFS_30-1G-2_1011 - HORIZONTAL	Power : AC 120V / 60Hz
EUT : High Power Wireless N Router	Note : Mode2:Transmit (PSA12A-120) _802.11n(40MHz)_2437MHz

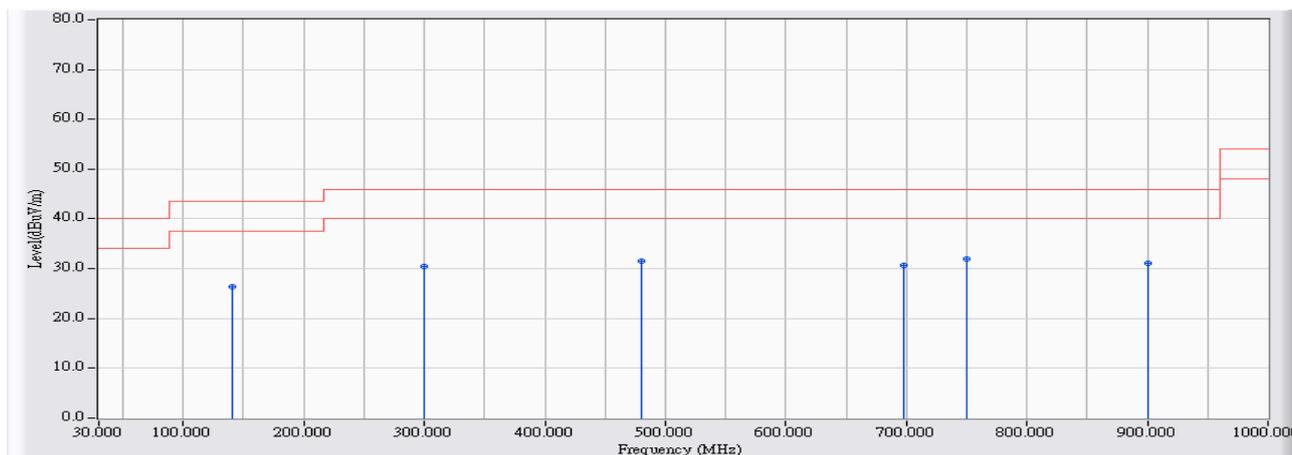


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	138.640	-12.500	44.276	31.777	-11.723	43.500	QUASPEAK
2	249.220	-10.981	44.104	33.124	-12.876	46.000	QUASPEAK
3	299.660	-9.934	46.124	36.190	-9.810	46.000	QUASPEAK
4	* 480.080	-5.569	42.377	36.808	-9.192	46.000	QUASPEAK
5	641.100	-4.612	40.478	35.866	-10.134	46.000	QUASPEAK
6	749.740	-3.593	37.674	34.081	-11.919	46.000	QUASPEAK

Note:

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

Site : CB1	Time : 2012/10/29 - 20:27
Limit : FCC_CLASS_B_03M_QP	Margin : 6
Probe : CB1_FCC_EFS_30-1G-2_1011 - VERTICAL	Power : AC 120V / 60Hz
EUT : High Power Wireless N Router	Note : Mode2:Transmit (PSA12A-120) _802.11n(40MHz)_2437MHz



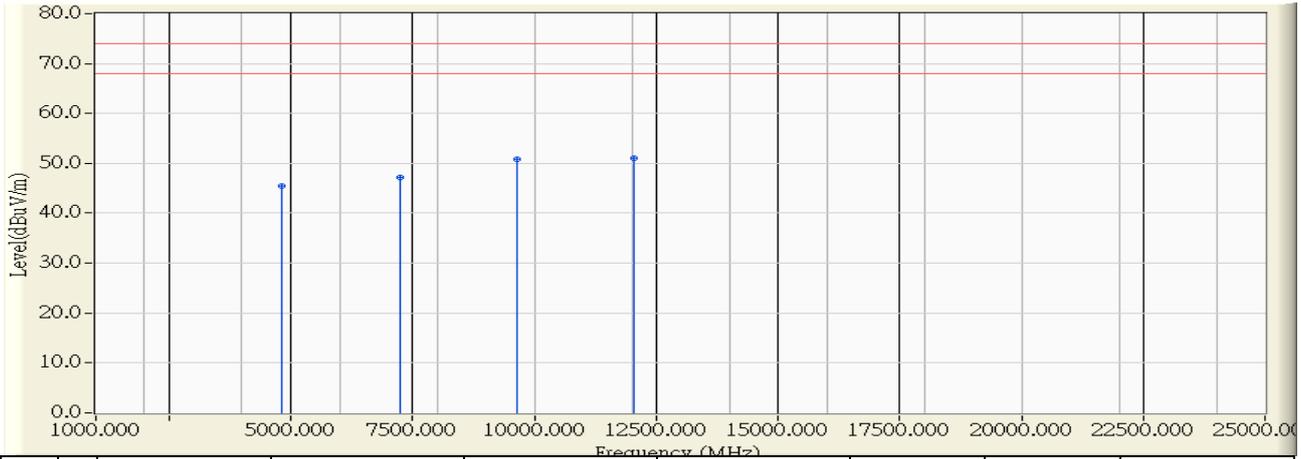
	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	140.580	-12.579	38.889	26.310	-17.190	43.500	QUASPEAK
2	299.660	-9.934	40.366	30.432	-15.568	46.000	QUASPEAK
3	480.080	-5.569	37.134	31.565	-14.435	46.000	QUASPEAK
4	697.360	-4.244	34.997	30.754	-15.246	46.000	QUASPEAK
5	* 749.740	-3.593	35.491	31.898	-14.102	46.000	QUASPEAK
6	901.060	-2.448	33.494	31.046	-14.954	46.000	QUASPEAK

Note:

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

Above 1GHz Spurious

Site : CB1	Time : 2012/12/04 - 13:37
Limit : FCC_SpartC_15.247_H_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	Power : AC 120V/60Hz
EUT : High Power Wireless N Router	Note : Mode 1: Transmit (DSA-12PFA-09) _802.11b_2412MHz

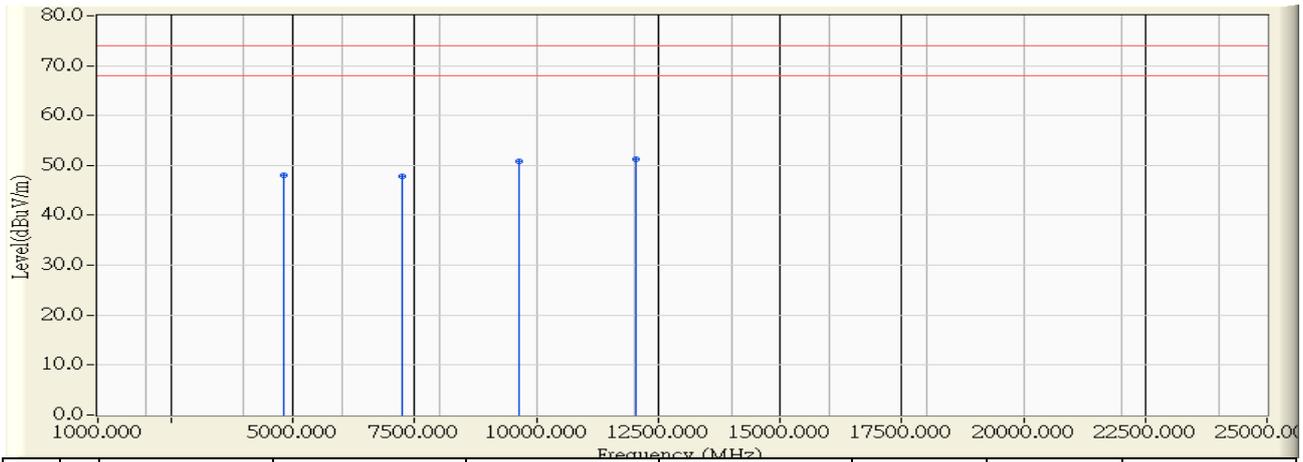


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	4824.020	-0.803	46.290	45.487	-28.513	74.000	PEAK
2	7237.620	5.500	41.620	47.120	-26.880	74.000	PEAK
3	9648.040	9.230	41.670	50.901	-23.099	74.000	PEAK
4	* 12058.900	11.526	39.500	51.026	-22.974	74.000	PEAK

Note:

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

Site : CB1	Time : 2012/12/04 - 13:42
Limit : FCC_SpartC_15.247_H_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	Power : AC 120V/60Hz
EUT : High Power Wireless N Router	Note : Mode 1: Transmit (DSA-12PFA-09) _802.11b_2412MHz

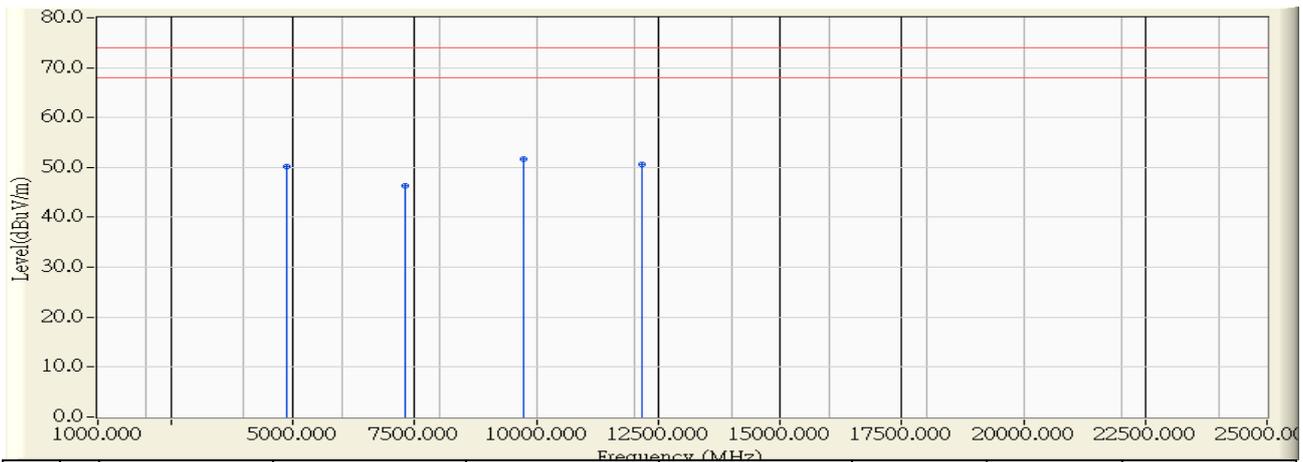


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	4823.720	-0.803	48.810	48.006	-25.994	74.000	PEAK
2	7236.570	5.498	42.250	47.748	-26.252	74.000	PEAK
3	9649.620	9.243	41.640	50.882	-23.118	74.000	PEAK
4	* 12060.830	11.525	39.740	51.265	-22.735	74.000	PEAK

Note:

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

Site : CB1	Time : 2012/12/04 - 14:19
Limit : FCC_SpartC_15.247_H_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	Power : AC 120V/60Hz
EUT : High Power Wireless N Router	Note : Mode 1: Transmit (DSA-12PFA-09) _802.11b_2437MHz

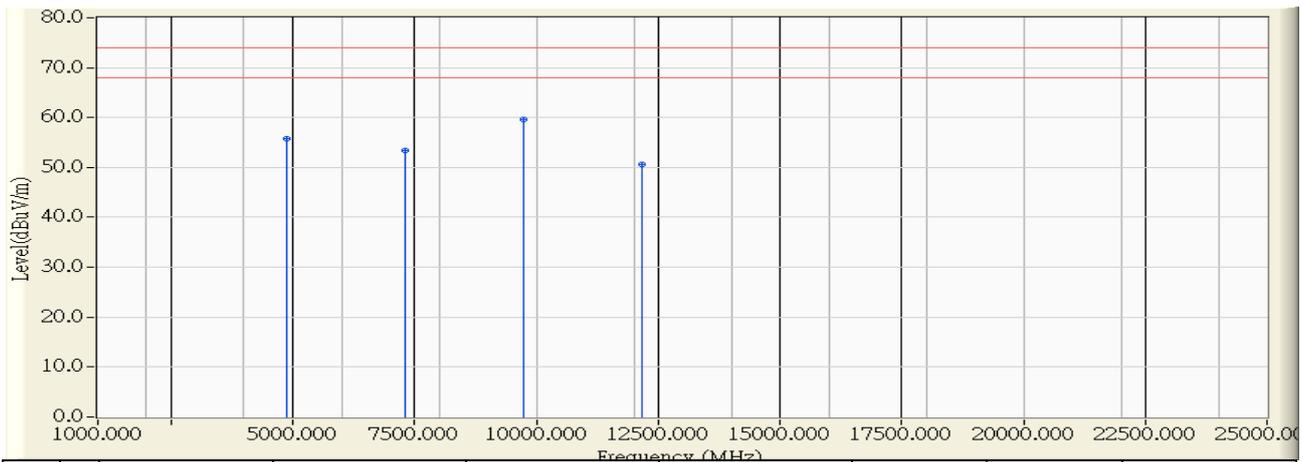


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	4873.950	-0.672	50.760	50.088	-3.912	54.000	PEAK
2	7307.440	5.669	40.600	46.269	-7.731	54.000	PEAK
3	* 9747.980	9.955	41.760	51.715	-2.285	54.000	PEAK
4	12182.810	11.482	39.090	50.572	-23.428	74.000	PEAK

Note:

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

Site : CB1	Time : 2012/12/04 - 13:45
Limit : FCC_SpartC_15.247_H_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	Power : AC 120V/60Hz
EUT : High Power Wireless N Router	Note : Mode 1: Transmit (DSA-12PFA-09) _802.11b_2437MHz

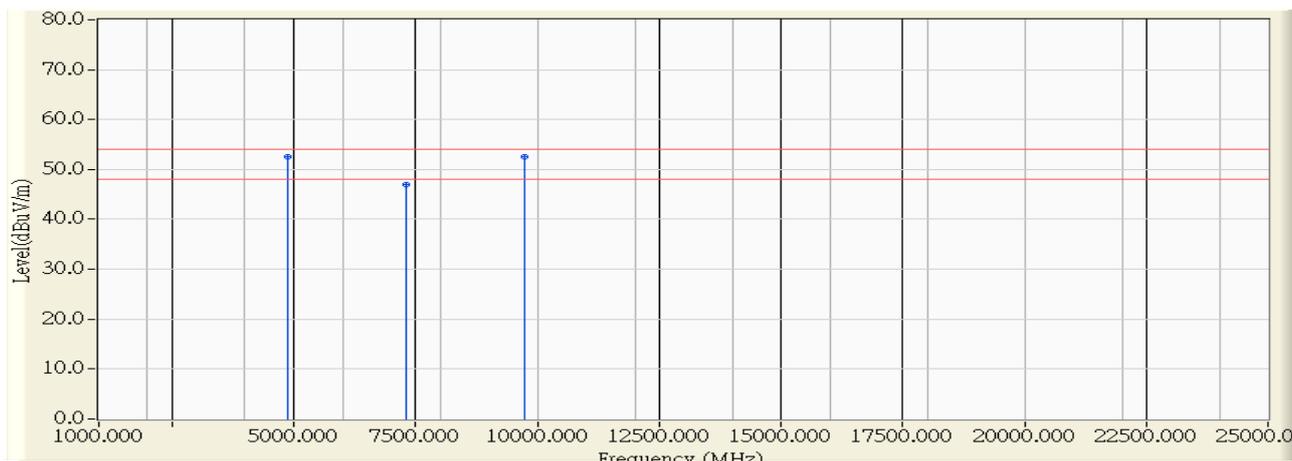


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	4873.880	-0.672	56.530	55.858	-18.142	74.000	PEAK
2	7311.870	5.680	47.650	53.330	-20.670	74.000	PEAK
3	* 9747.810	9.954	49.700	59.654	-14.346	74.000	PEAK
4	12182.890	11.482	39.110	50.592	-23.408	74.000	PEAK

Note:

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

Site : CB1	Time : 2012/12/04 - 13:46
Limit : FCC_SpartC_15.247_H_03M_AV	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	Power : AC 120V/60Hz
EUT : High Power Wireless N Router	Note : Mode 1: Transmit (DSA-12PFA-09) _802.11b_2437MHz

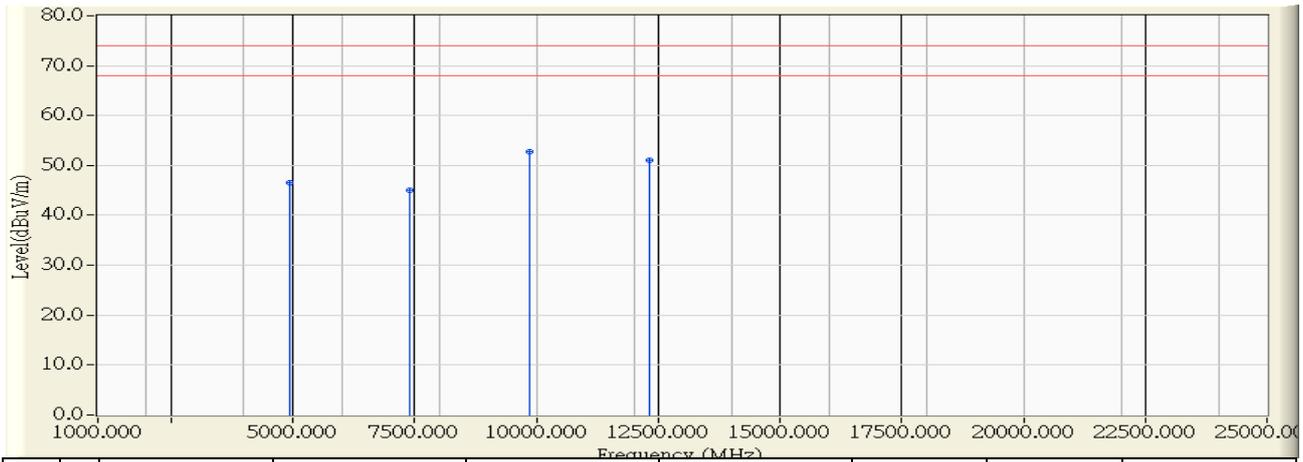


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	4873.970	-0.672	53.200	52.528	-1.472	54.000	AVERAGE
2	7310.190	5.675	41.310	46.985	-7.015	54.000	AVERAGE
3	* 9747.950	9.955	42.580	52.535	-1.465	54.000	AVERAGE

Note:

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

Site : CB1	Time : 2012/12/04 - 14:32
Limit : FCC_SpartC_15.247_H_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	Power : AC 120V/60Hz
EUT : High Power Wireless N Router	Note : Mode 1: Transmit (DSA-12PFA-09) _802.11b_2462MHz

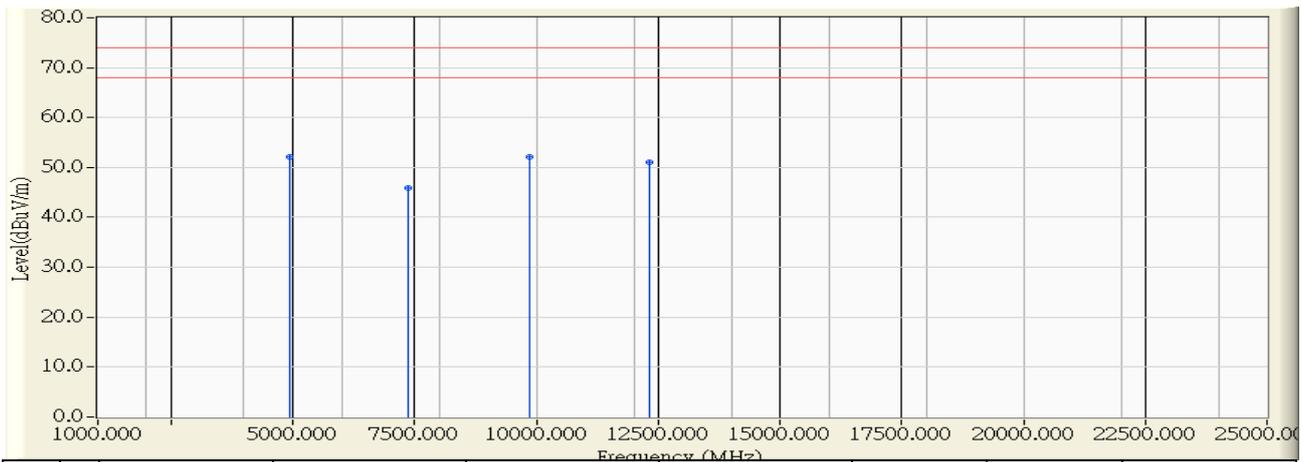


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	4923.850	-0.541	47.020	46.479	-27.521	74.000	PEAK
2	7389.840	5.868	39.200	45.068	-28.932	74.000	PEAK
3	* 9848.940	10.688	41.970	52.657	-21.343	74.000	PEAK
4	12309.930	11.437	39.570	51.007	-22.993	74.000	PEAK

Note:

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

Site : CB1	Time : 2012/12/04 - 14:35
Limit : FCC_SpartC_15.247_H_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	Power : AC 120V/60Hz
EUT : High Power Wireless N Router	Note : Mode 1: Transmit (DSA-12PFA-09) _802.11b_2462MHz

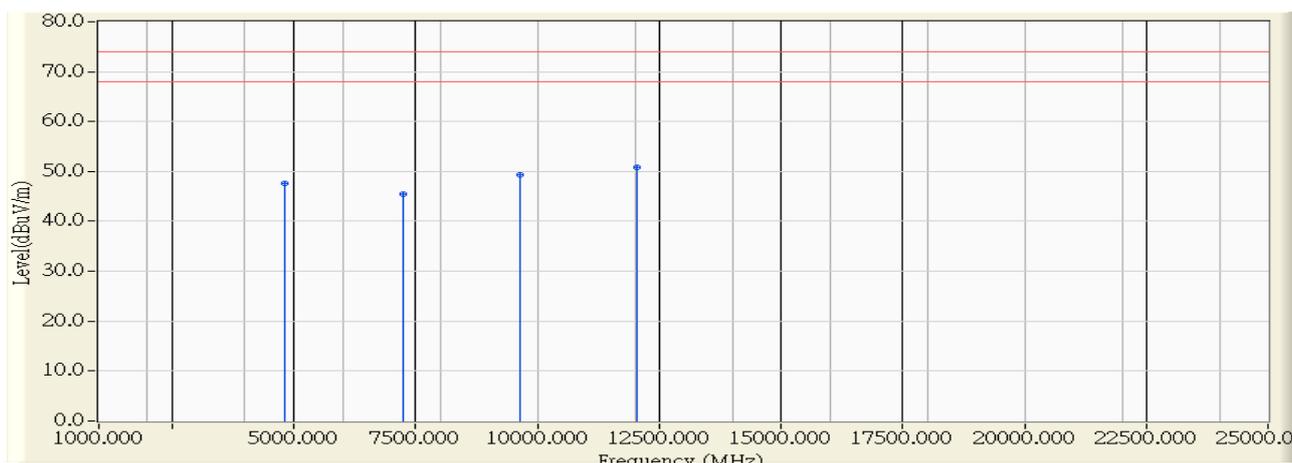


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	4923.900	-0.541	52.730	52.189	-21.811	74.000	PEAK
2		7384.130	5.853	40.130	45.984	-28.016	74.000	PEAK
3		9848.110	10.681	41.390	52.071	-21.929	74.000	PEAK
4		12309.880	11.437	39.640	51.077	-22.923	74.000	PEAK

Note:

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

Site : CB1	Time : 2012/10/26 - 19:55
Limit : FCC_SpartC_15.247_H_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	Power : AC 230V / 50Hz
EUT : High Power Wireless N Router	Note : Mode 1: Transmit (DSA-12PFA-09) _802.11g_2412MHz

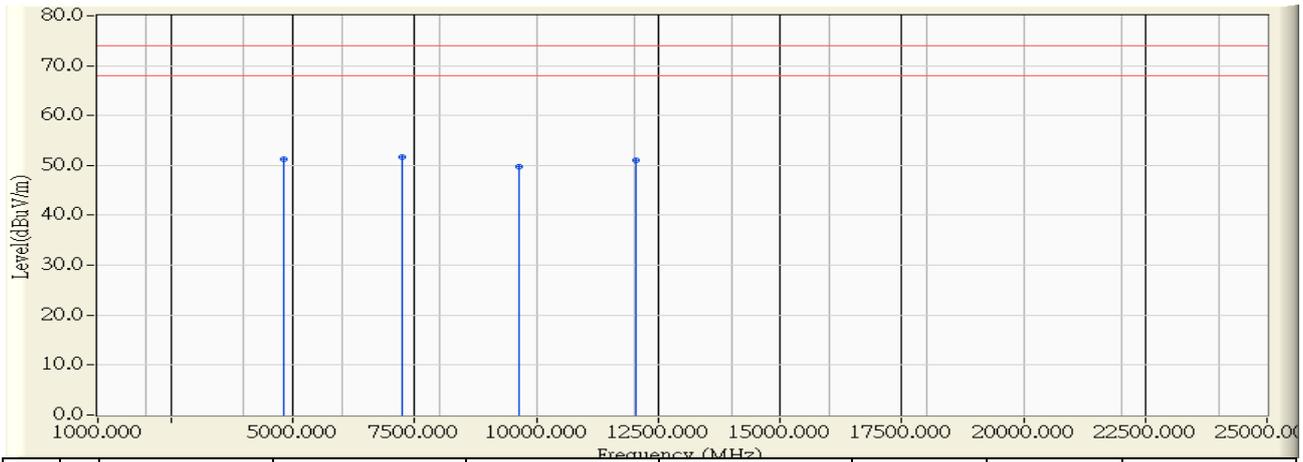


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	4827.700	-0.793	48.320	47.527	-26.473	74.000	PEAK
2	7233.600	5.490	39.980	45.471	-28.529	74.000	PEAK
3	9649.320	9.241	40.160	49.400	-24.600	74.000	PEAK
4	* 12060.440	11.524	39.220	50.745	-23.255	74.000	PEAK

Note:

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

Site : CB1	Time : 2012/10/26 - 20:01
Limit : FCC_SpartC_15.247_H_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	Power : AC 230V / 50Hz
EUT : High Power Wireless N Router	Note : Mode 1: Transmit (DSA-12PFA-09) _802.11g_2412MHz

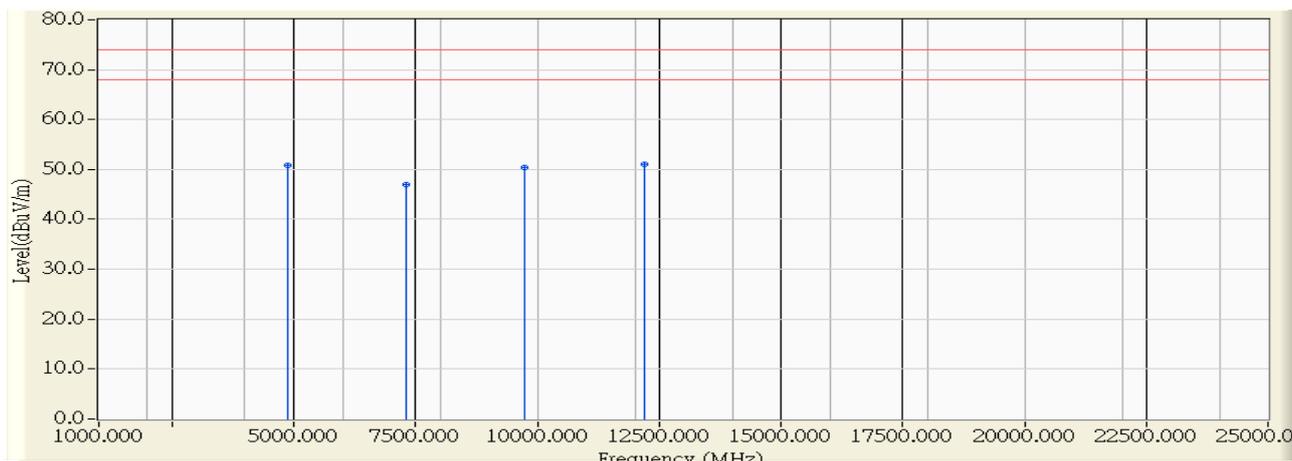


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	4822.520	-0.806	52.160	51.353	-22.647	74.000	PEAK
2	* 7238.880	5.503	46.080	51.583	-22.417	74.000	PEAK
3	9644.920	9.209	40.540	49.748	-24.252	74.000	PEAK
4	12059.960	11.525	39.550	51.075	-22.925	74.000	PEAK

Note:

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

Site : CB1	Time : 2012/10/26 - 20:07
Limit : FCC_SpartC_15.247_H_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	Power : AC 230V / 50Hz
EUT : High Power Wireless N Router	Note : Mode 1: Transmit (DSA-12PFA-09) _802.11g_2437MHz

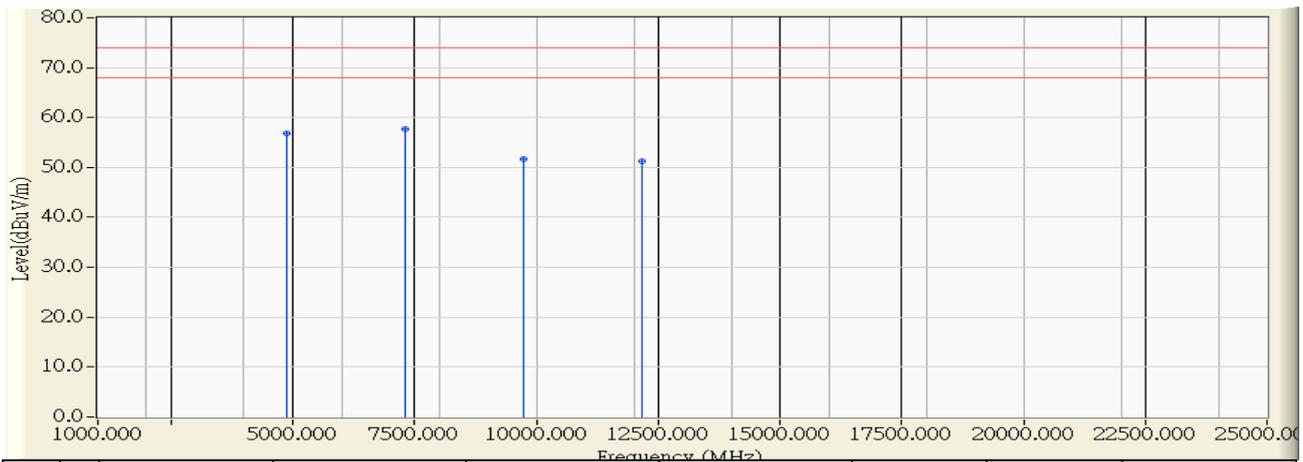


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	4871.960	-0.677	51.410	50.733	-23.267	74.000	PEAK
2	7307.480	5.669	41.390	47.059	-26.941	74.000	PEAK
3	9749.560	9.967	40.470	50.437	-23.563	74.000	PEAK
4	* 12186.520	11.481	39.590	51.071	-22.929	74.000	PEAK

Note:

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

Site : CB1	Time : 2012/10/26 - 20:09
Limit : FCC_SpartC_15.247_H_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	Power : AC 230V / 50Hz
EUT : High Power Wireless N Router	Note : Mode 1: Transmit (DSA-12PFA-09) _802.11g_2437MHz

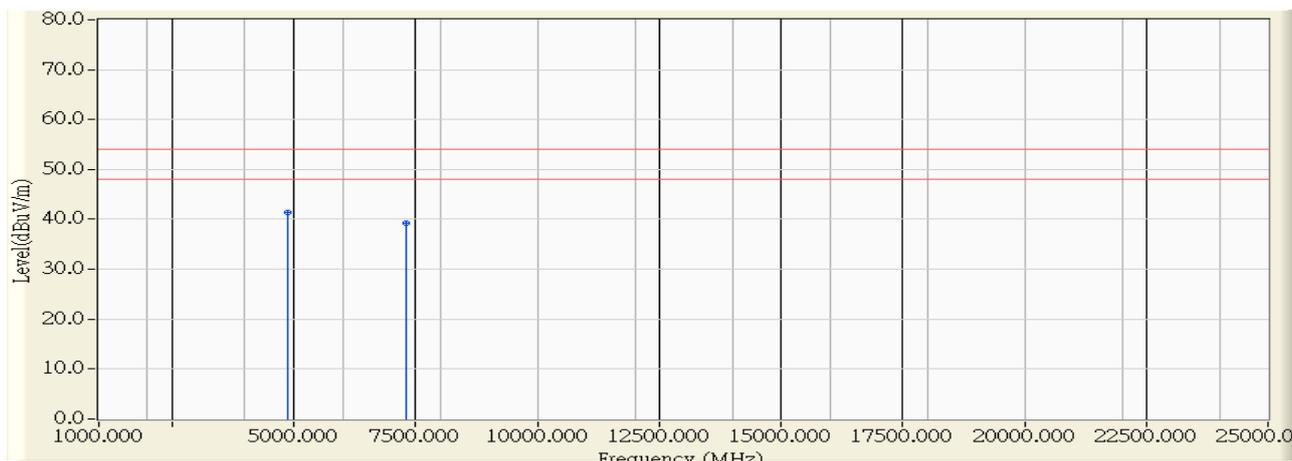


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	4875.400	-0.668	57.510	56.842	-17.158	74.000	PEAK
2	* 7308.320	5.671	52.060	57.731	-16.269	74.000	PEAK
3	9747.480	9.952	41.670	51.622	-22.378	74.000	PEAK
4	12182.720	11.482	39.790	51.272	-22.728	74.000	PEAK

Note:

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

Site : CB1	Time : 2012/10/26 - 20:10
Limit : FCC_SpartC_15.247_H_03M_AV	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	Power : AC 230V / 50Hz
EUT : High Power Wireless N Router	Note : Mode 1: Transmit (DSA-12PFA-09)8 _0.211g_2437MHz

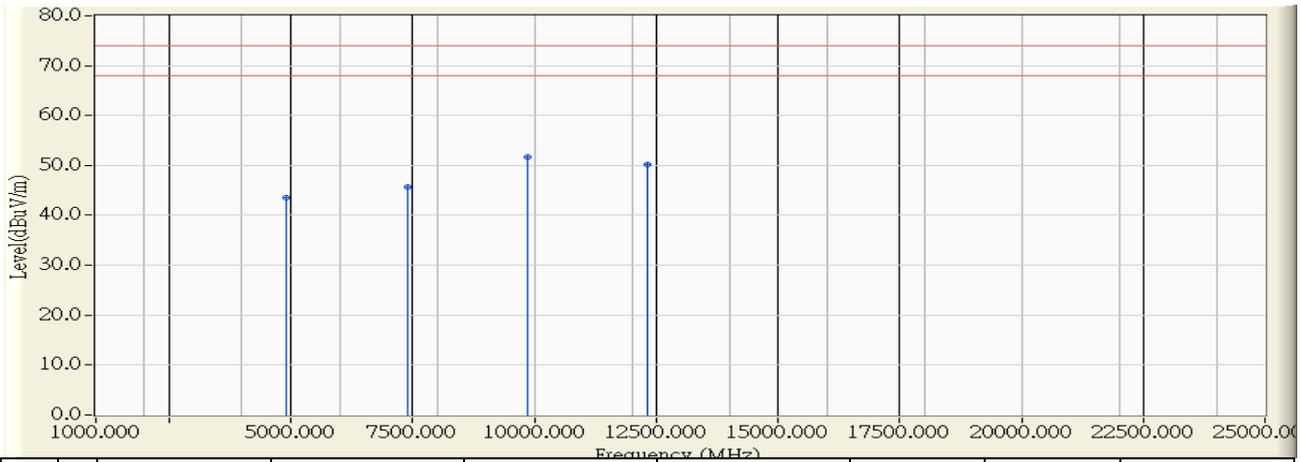


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	4874.120	-0.672	42.090	41.418	-12.582	54.000	AVERAGE
2		7311.320	5.679	33.520	39.198	-14.802	54.000	AVERAGE

Note:

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

Site : CB1	Time : 2012/10/26 - 20:18
Limit : FCC_SpartC_15.247_H_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	Power : AC 230V / 50Hz
EUT : High Power Wireless N Router	Note : Mode 1: Transmit (DSA-12PFA-09) _802.11g_2462MHz

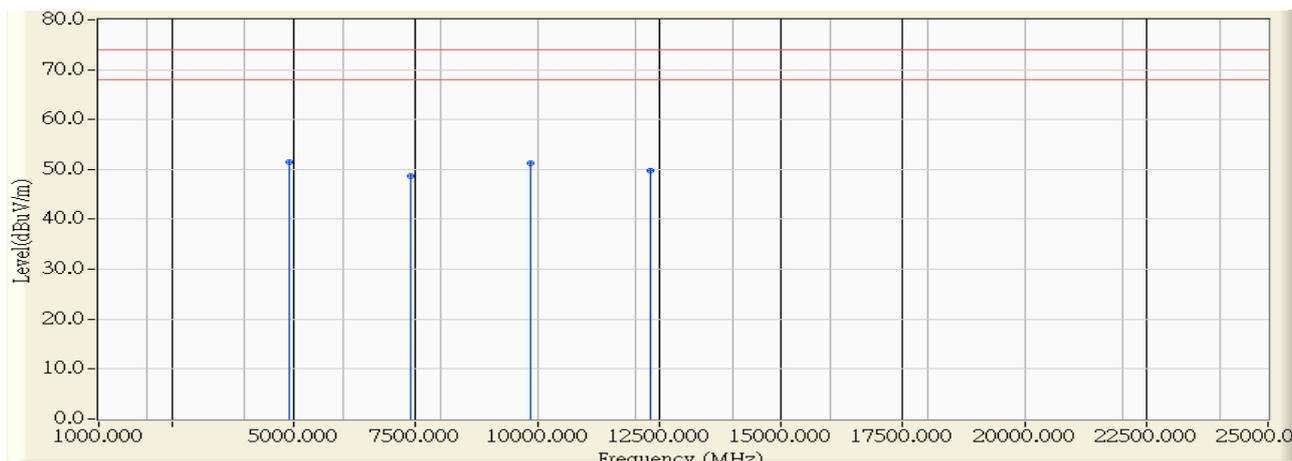


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	4922.520	-0.544	44.020	43.475	-30.525	74.000	PEAK
2	7387.240	5.861	39.840	45.701	-28.299	74.000	PEAK
3	* 9850.720	10.699	40.900	51.600	-22.400	74.000	PEAK
4	12308.880	11.438	38.660	50.097	-23.903	74.000	PEAK

Note:

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

Site : CB1	Time : 2012/10/26 - 20:21
Limit : FCC_SpartC_15.247_H_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	Power : AC 230V / 50Hz
EUT : High Power Wireless N Router	Note : Mode 1: Transmit (DSA-12PFA-09) _802.11g_2462MHz

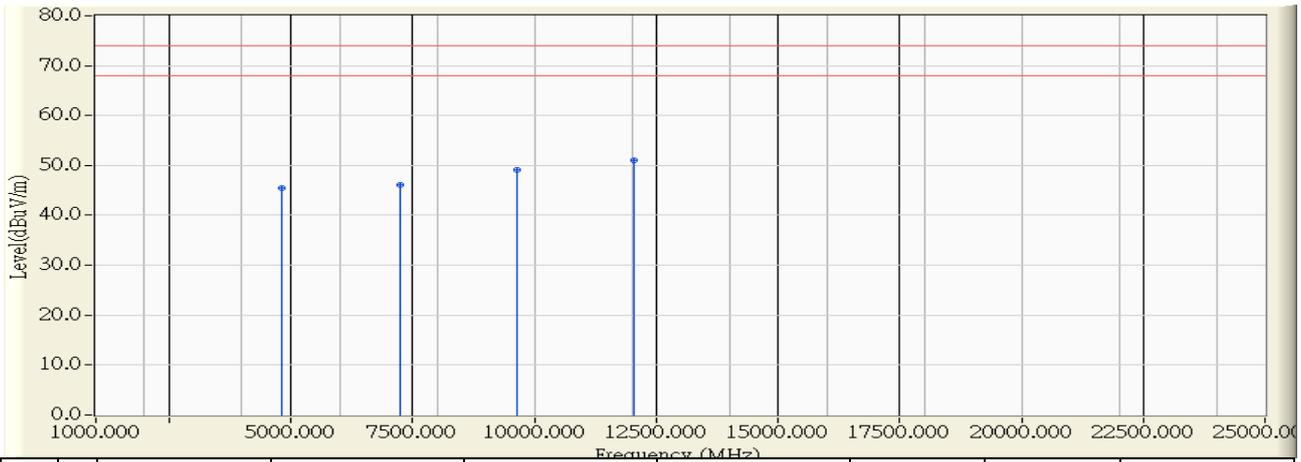


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	4921.960	-0.546	52.070	51.524	-22.476	74.000	PEAK
2		7386.360	5.860	42.800	48.659	-25.341	74.000	PEAK
3		9846.680	10.671	40.590	51.261	-22.739	74.000	PEAK
4		12309.880	11.437	38.400	49.837	-24.163	74.000	PEAK

Note:

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

Site : CB1	Time : 2012/10/26 - 20:26
Limit : FCC_SpartC_15.247_H_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	Power : AC 230V / 50Hz
EUT : High Power Wireless N Router	Note : Mode 1: Transmit (DSA-12PFA-09) _802.11n(20MHz) _2412MHz

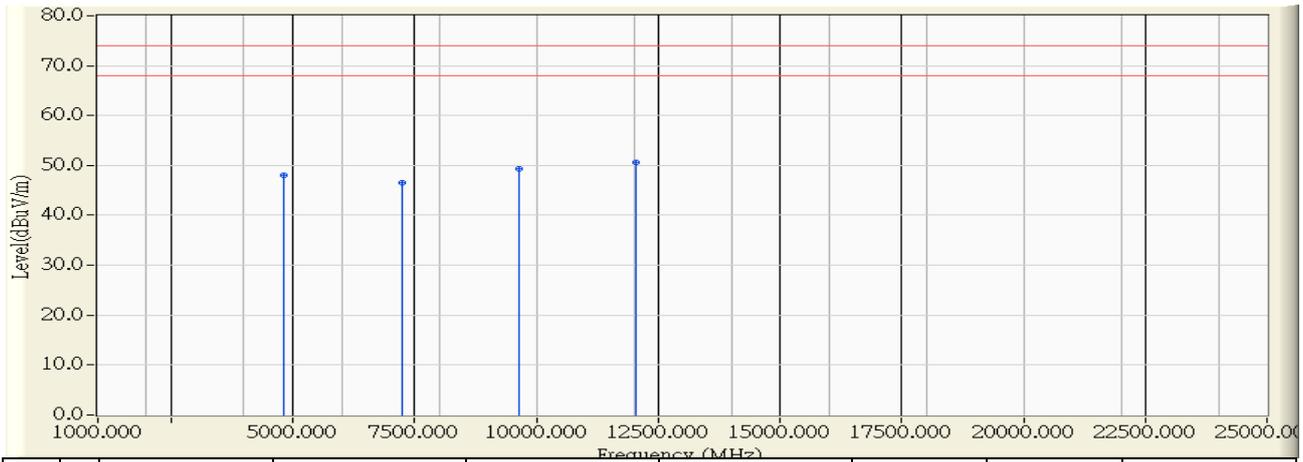


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	4825.280	-0.799	46.260	45.460	-28.540	74.000	PEAK
2	7235.640	5.495	40.570	46.066	-27.934	74.000	PEAK
3	9647.880	9.229	39.960	49.190	-24.810	74.000	PEAK
4	* 12056.920	11.526	39.570	51.096	-22.904	74.000	PEAK

Note:

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

Site : CB1	Time : 2012/10/26 - 20:29
Limit : FCC_SpartC_15.247_H_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	Power : AC 230V / 50Hz
EUT : High Power Wireless N Router	Note : Mode 1: Transmit (DSA-12PFA-09) _802.11n(20MHz)_2412MHz

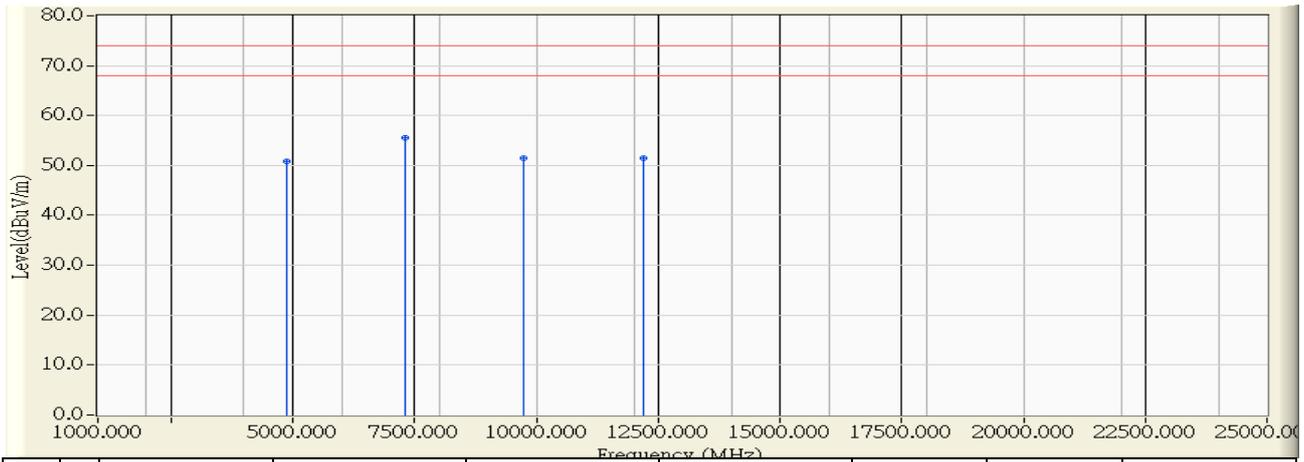


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	4825.800	-0.799	48.820	48.022	-25.978	74.000	PEAK
2	7233.800	5.491	41.100	46.591	-27.409	74.000	PEAK
3	9648.360	9.233	39.990	49.223	-24.777	74.000	PEAK
4	* 12058.540	11.526	39.030	50.556	-23.444	74.000	PEAK

Note:

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

Site : CB1	Time : 2012/10/26 - 20:31
Limit : FCC_SpartC_15.247_H_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	Power : AC 230V / 50Hz
EUT : High Power Wireless N Router	Note : Mode 1: Transmit (DSA-12PFA-09) _802.11n(20MHz)_2437MHz

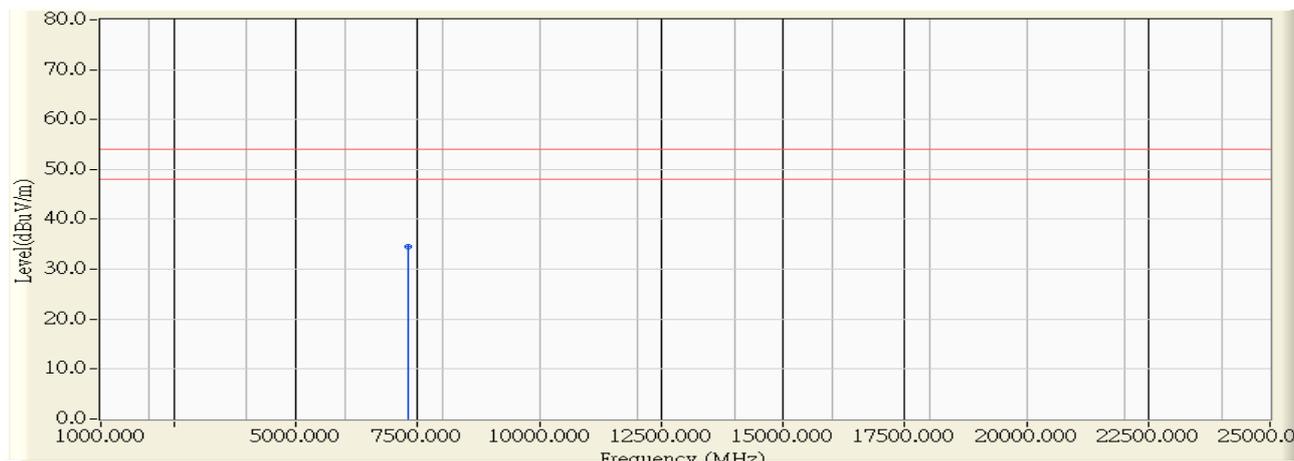


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	4872.520	-0.675	51.470	50.794	-23.206	74.000	PEAK
2	* 7312.120	5.680	49.960	55.640	-18.360	74.000	PEAK
3	9748.960	9.963	41.530	51.492	-22.508	74.000	PEAK
4	12185.560	11.480	39.980	51.461	-22.539	74.000	PEAK

Note:

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

Site : CB1	Time : 2012/10/26 - 20:32
Limit : FCC_SpartC_15.247_H_03M_AV	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	Power : AC 230V / 50Hz
EUT : High Power Wireless N Router	Note : Mode 1: Transmit (DSA-12PFA-09) _802.11n(20MHz)_2437MHz

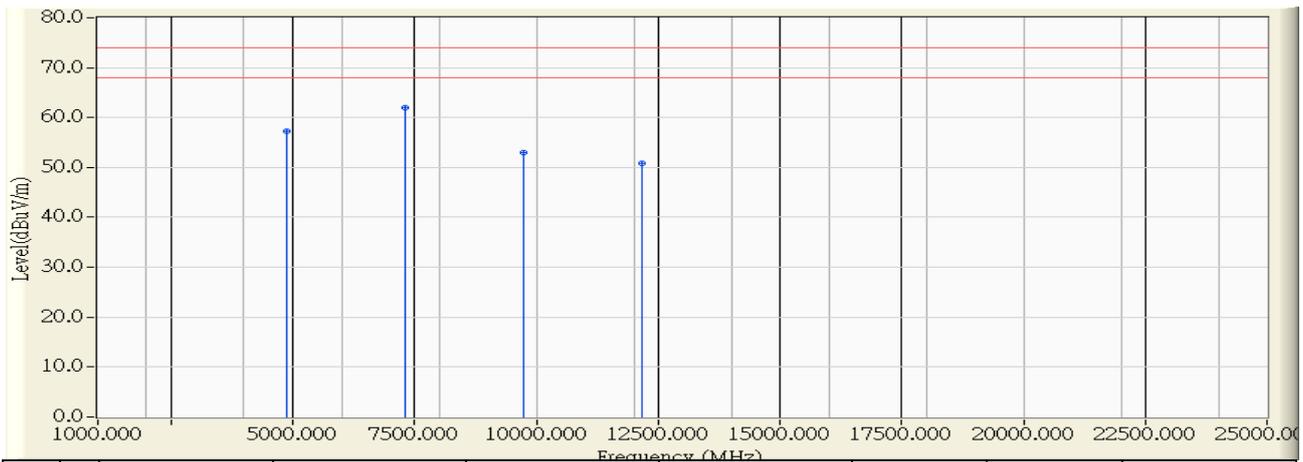


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	7310.200	5.675	28.830	34.506	-19.494	54.000	AVERAGE

Note:

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

Site : CB1	Time : 2012/10/26 - 20:35
Limit : FCC_SpartC_15.247_H_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	Power : AC 230V / 50Hz
EUT : High Power Wireless N Router	Note : Mode 1: Transmit (DSA-12PFA-09) _802.11n(20MHz)_2437MHz

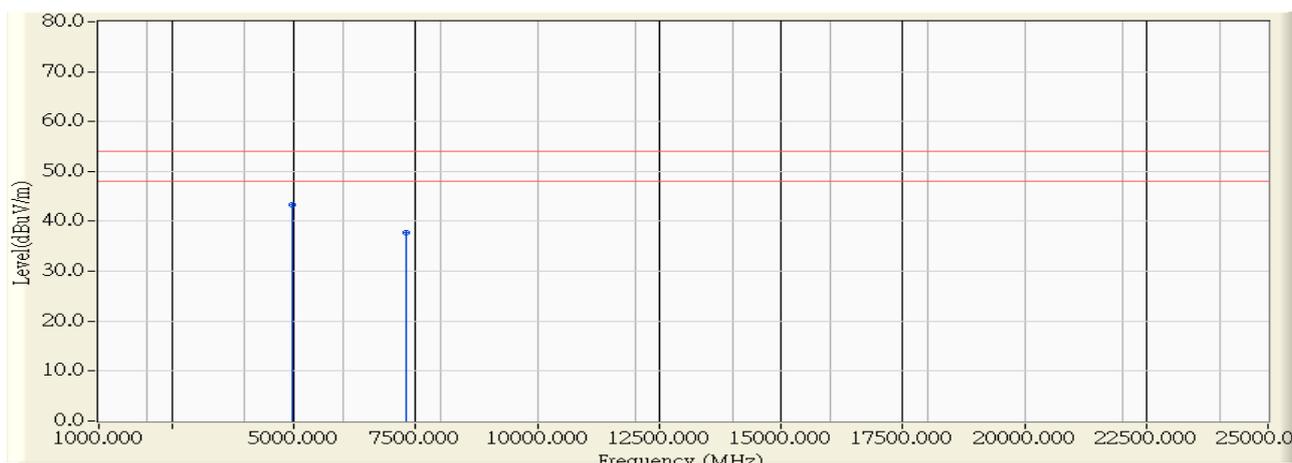


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	4874.240	-0.671	58.020	57.349	-16.651	74.000	PEAK
2	* 7306.360	5.667	56.240	61.906	-12.094	74.000	PEAK
3	9748.400	9.958	42.980	52.938	-21.062	74.000	PEAK
4	12184.480	11.482	39.270	50.751	-23.249	74.000	PEAK

Note:

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

Site : CB1	Time : 2012/10/26 - 20:37
Limit : FCC_SpartC_15.247_H_03M_AV	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	Power : AC 230V / 50Hz
EUT : High Power Wireless N Router	Note : Mode 1: Transmit (DSA-12PFA-09) _802.11n(20MHz)_2437MHz

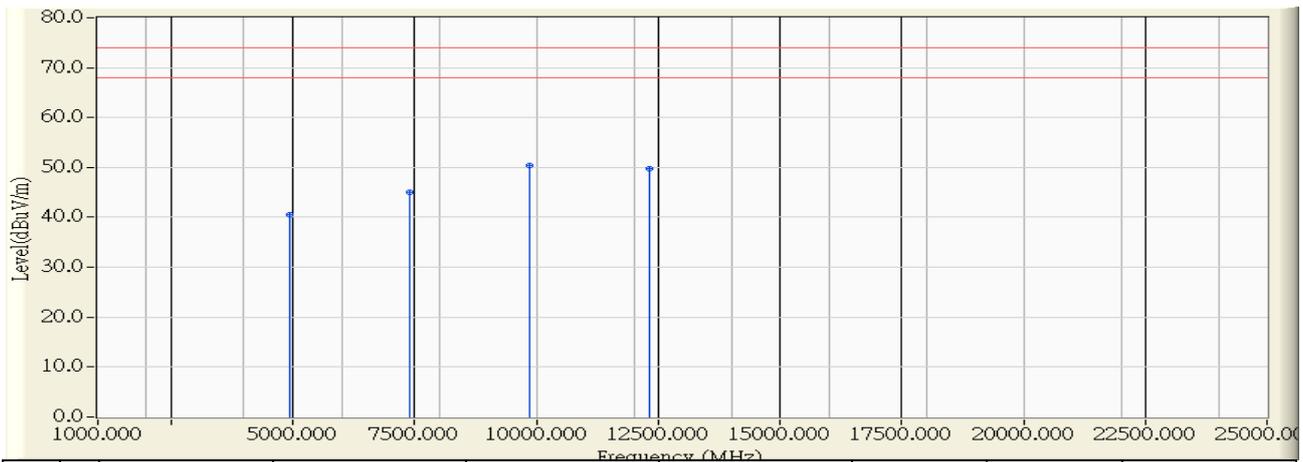


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	4974.600	-0.408	43.630	43.222	-10.778	54.000	AVERAGE
2		7312.560	5.681	32.060	37.741	-16.259	54.000	AVERAGE

Note:

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

Site : CB1	Time : 2012/10/26 - 20:44
Limit : FCC_SpartC_15.247_H_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	Power : AC 230V / 50Hz
EUT : High Power Wireless N Router	Note : Mode 1: Transmit (DSA-12PFA-09) _802.11n(20MHz)_2462MHz

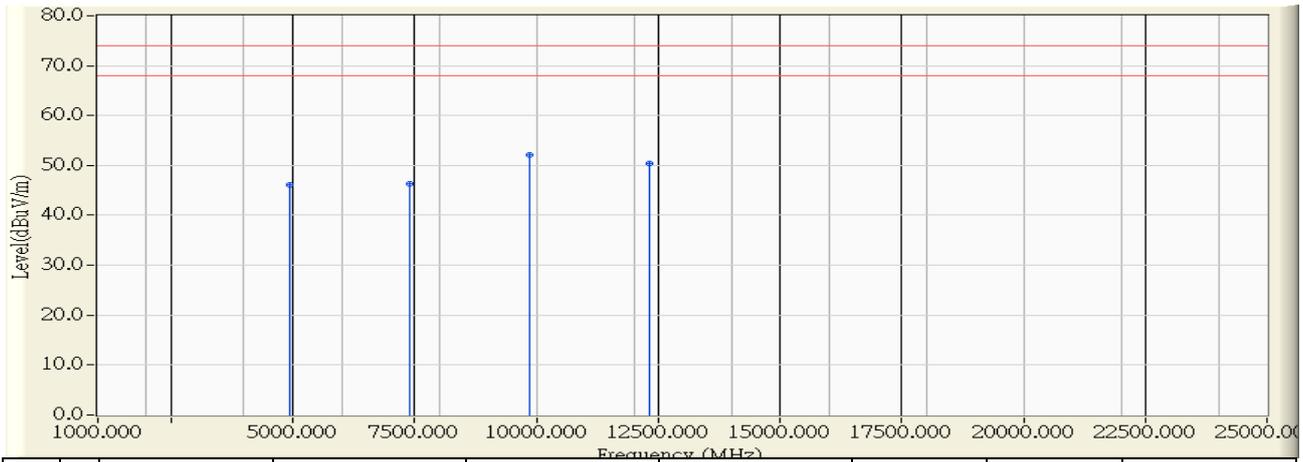


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	4929.640	-0.526	41.000	40.474	-33.526	74.000	PEAK
2	7385.480	5.857	39.230	45.087	-28.913	74.000	PEAK
3	* 9849.080	10.688	39.810	50.498	-23.502	74.000	PEAK
4	12314.600	11.436	38.230	49.665	-24.335	74.000	PEAK

Note:

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

Site : CB1	Time : 2012/10/26 - 20:44
Limit : FCC_SpartC_15.247_H_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	Power : AC 230V / 50Hz
EUT : High Power Wireless N Router	Note : Mode 1: Transmit (DSA-12PFA-09) _802.11n(20MHz)_2462MHz

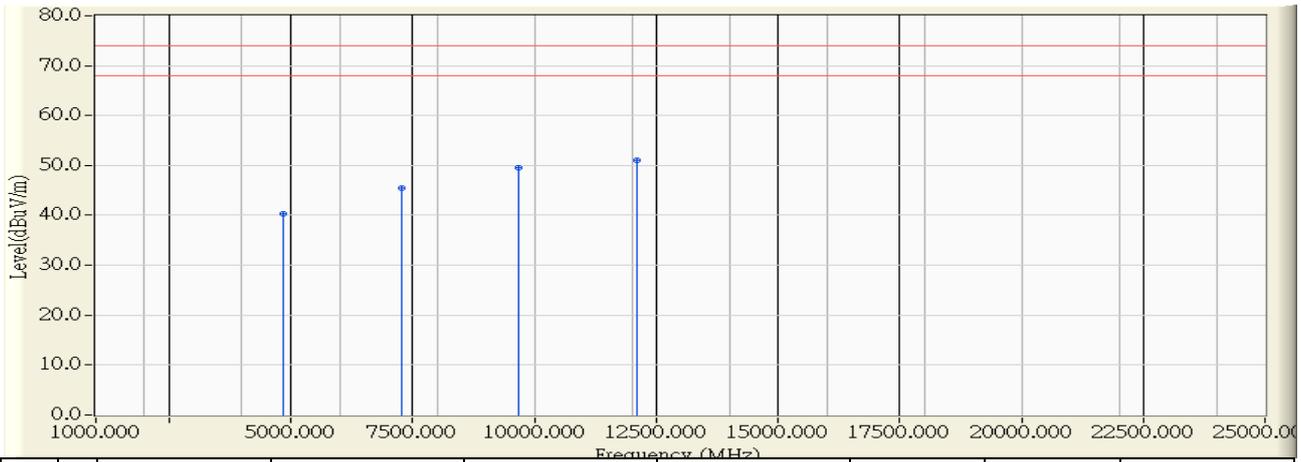


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	4925.560	-0.537	46.660	46.123	-27.877	74.000	PEAK
2	7387.120	5.861	40.390	46.251	-27.749	74.000	PEAK
3	* 9846.240	10.667	41.520	52.188	-21.812	74.000	PEAK
4	12310.000	11.437	39.010	50.447	-23.553	74.000	PEAK

Note:

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

Site : CB1	Time : 2012/10/26 - 20:49
Limit : FCC_SpartC_15.247_H_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	Power : AC 230V / 50Hz
EUT : High Power Wireless N Router	Note : Mode 1: Transmit (DSA-12PFA-09) _802.11n(40MHz)_2422MHz

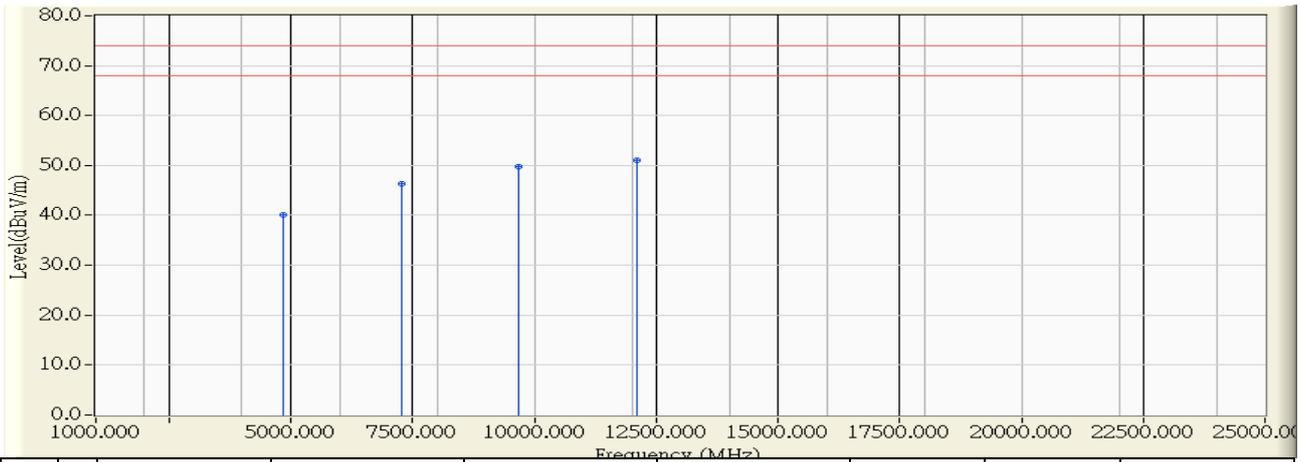


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	4845.000	-0.748	41.040	40.292	-33.708	74.000	PEAK
2	7266.800	5.572	39.850	45.421	-28.579	74.000	PEAK
3	9689.300	9.531	40.040	49.570	-24.430	74.000	PEAK
4	* 12106.100	11.509	39.530	51.039	-22.961	74.000	PEAK

Note:

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

Site : CB1	Time : 2012/10/26 - 20:51
Limit : FCC_SpartC_15.247_H_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	Power : AC 230V / 50Hz
EUT : High Power Wireless N Router	Note : Mode 1: Transmit (DSA-12PFA-09) _802.11n(40MHz)_2422MHz

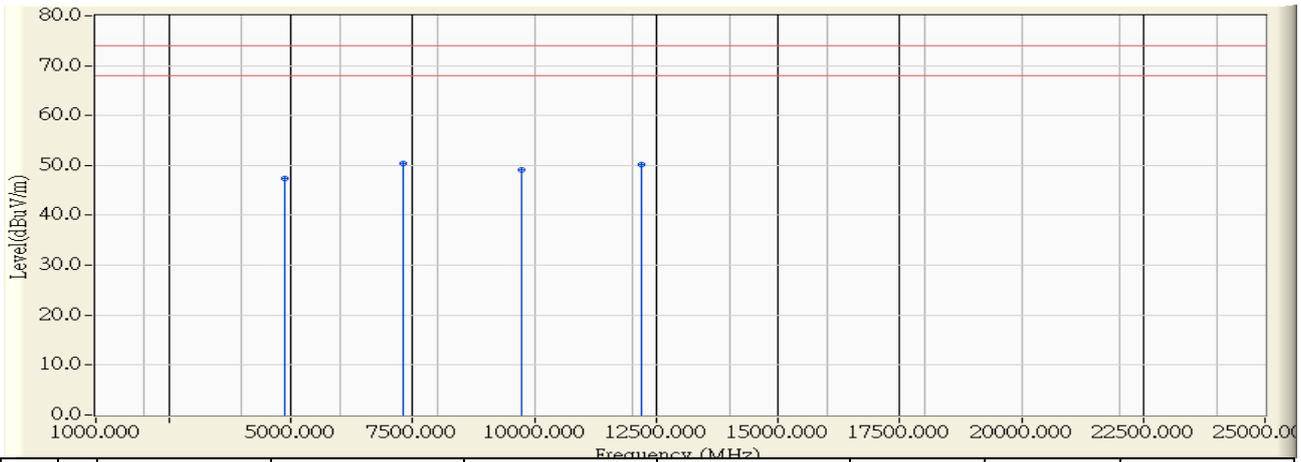


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	4844.500	-0.749	40.940	40.191	-33.809	74.000	PEAK
2	7268.200	5.573	40.660	46.234	-27.766	74.000	PEAK
3	9691.400	9.545	40.200	49.745	-24.255	74.000	PEAK
4	* 12109.800	11.508	39.550	51.058	-22.942	74.000	PEAK

Note:

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

Site : CB1	Time : 2012/10/26 - 20:56
Limit : FCC_SpartC_15.247_H_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	Power : AC 230V / 50Hz
EUT : High Power Wireless N Router	Note : Mode 1: Transmit (DSA-12PFA-09) _802.11n(40MHz)_2437MHz

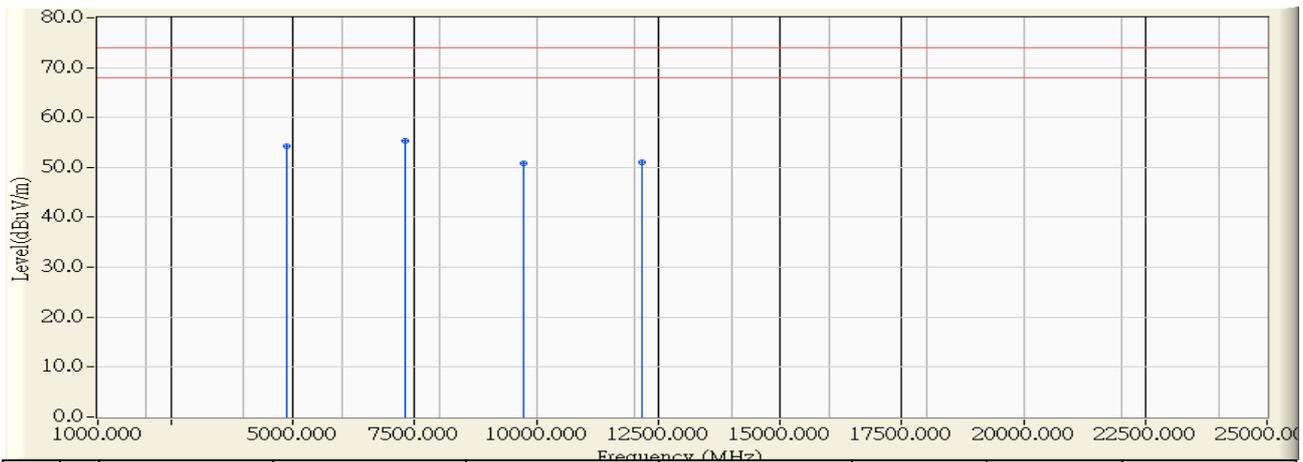


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	4870.700	-0.681	48.150	47.469	-26.531	74.000	PEAK
2	* 7312.400	5.682	44.800	50.481	-23.519	74.000	PEAK
3	9748.000	9.955	39.120	49.075	-24.925	74.000	PEAK
4	12191.100	11.479	38.760	50.239	-23.761	74.000	PEAK

Note:

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

Site : CB1	Time : 2012/10/26 - 20:59
Limit : FCC_SpartC_15.247_H_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	Power : AC 230V / 50Hz
EUT : High Power Wireless N Router	Note : Mode 1: Transmit (DSA-12PFA-09) _802.11n(40MHz)_2437MHz

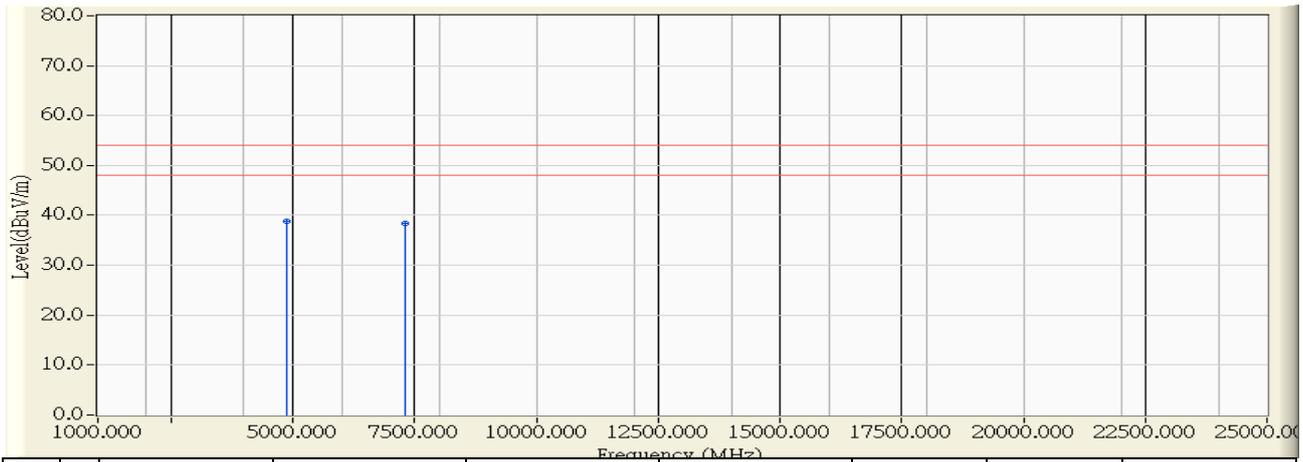


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	4870.700	-0.681	54.840	54.159	-19.841	74.000	PEAK
2	* 7305.900	5.666	49.710	55.375	-18.625	74.000	PEAK
3	9746.100	9.942	40.990	50.932	-23.068	74.000	PEAK
4	12184.320	11.481	39.640	51.121	-22.879	74.000	PEAK

Note:

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

Site : CB1	Time : 2012/10/26 - 21:03
Limit : FCC_SpartC_15.247_H_03M_AV	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	Power : AC 230V / 50Hz
EUT : High Power Wireless N Router	Note : Mode 1: Transmit (DSA-12PFA-09) _802.11n(40MHz)_2437MHz

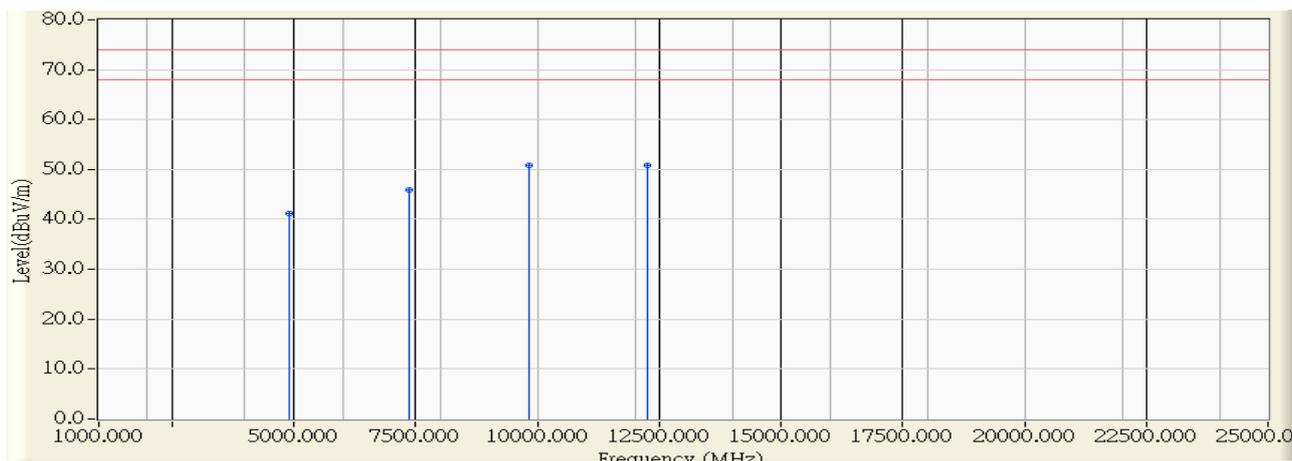


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	4875.700	-0.668	39.460	38.793	-35.207	74.000	AVERAGE
2	* 7312.100	5.680	32.680	38.360	-15.640	54.000	AVERAGE

Note:

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

Site : CB1	Time : 2012/10/26 - 21:07
Limit : FCC_SpartC_15.247_H_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL	Power : AC 230V / 50Hz
EUT : High Power Wireless N Router	Note : Mode 1: Transmit (DSA-12PFA-09) _802.11n(40MHz)_2452MHz

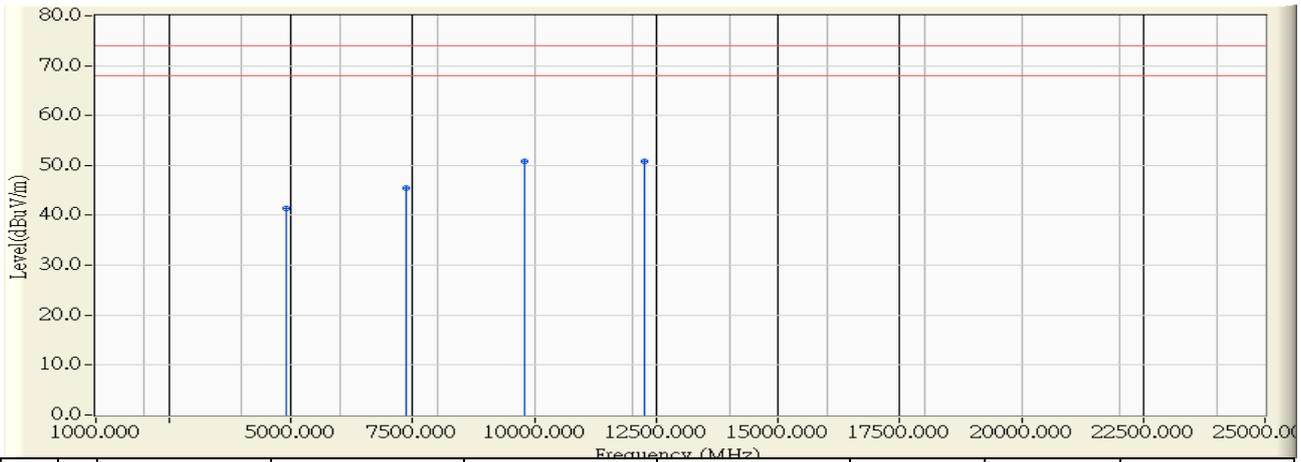


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	4901.400	-0.600	41.710	41.110	-32.890	74.000	PEAK
2	7358.000	5.790	40.020	45.811	-28.189	74.000	PEAK
3	* 9816.400	10.451	40.430	50.881	-23.119	74.000	PEAK
4	12258.500	11.455	39.280	50.735	-23.265	74.000	PEAK

Note:

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

Site : CB1	Time : 2012/10/26 - 21:09
Limit : FCC_SpartC_15.247_H_03M_PK	Margin : 6
Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL	Power : AC 230V / 50Hz
EUT : High Power Wireless N Router	Note : Mode 1: Transmit (DSA-12PFA-09) _802.11n(40MHz)_2452MHz



	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	4903.100	-0.595	41.980	41.384	-32.616	74.000	PEAK
2	7362.400	5.802	39.610	45.411	-28.589	74.000	PEAK
3	9809.900	10.404	40.440	50.844	-23.156	74.000	PEAK
4	* 12261.400	11.454	39.450	50.904	-23.096	74.000	PEAK

Note:

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

5. RF antenna conducted test

5.1. Test Equipment

The following test equipments are used during the test:

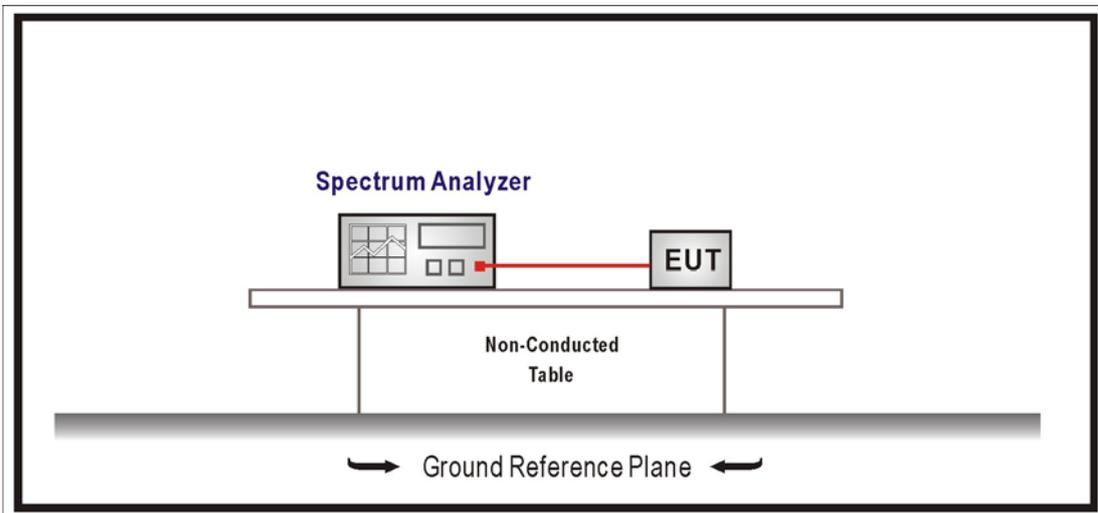
RF antenna conducted test / SR7

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

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

5.2. Test Setup

RF Antenna Conducted Measurement:



5.3. Limits

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

5.4. Test Procedure

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

5.5. Test Specification

According to FCC Part 15 Subpart C Paragraph 15.247: 2011

5.6. Uncertainty

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

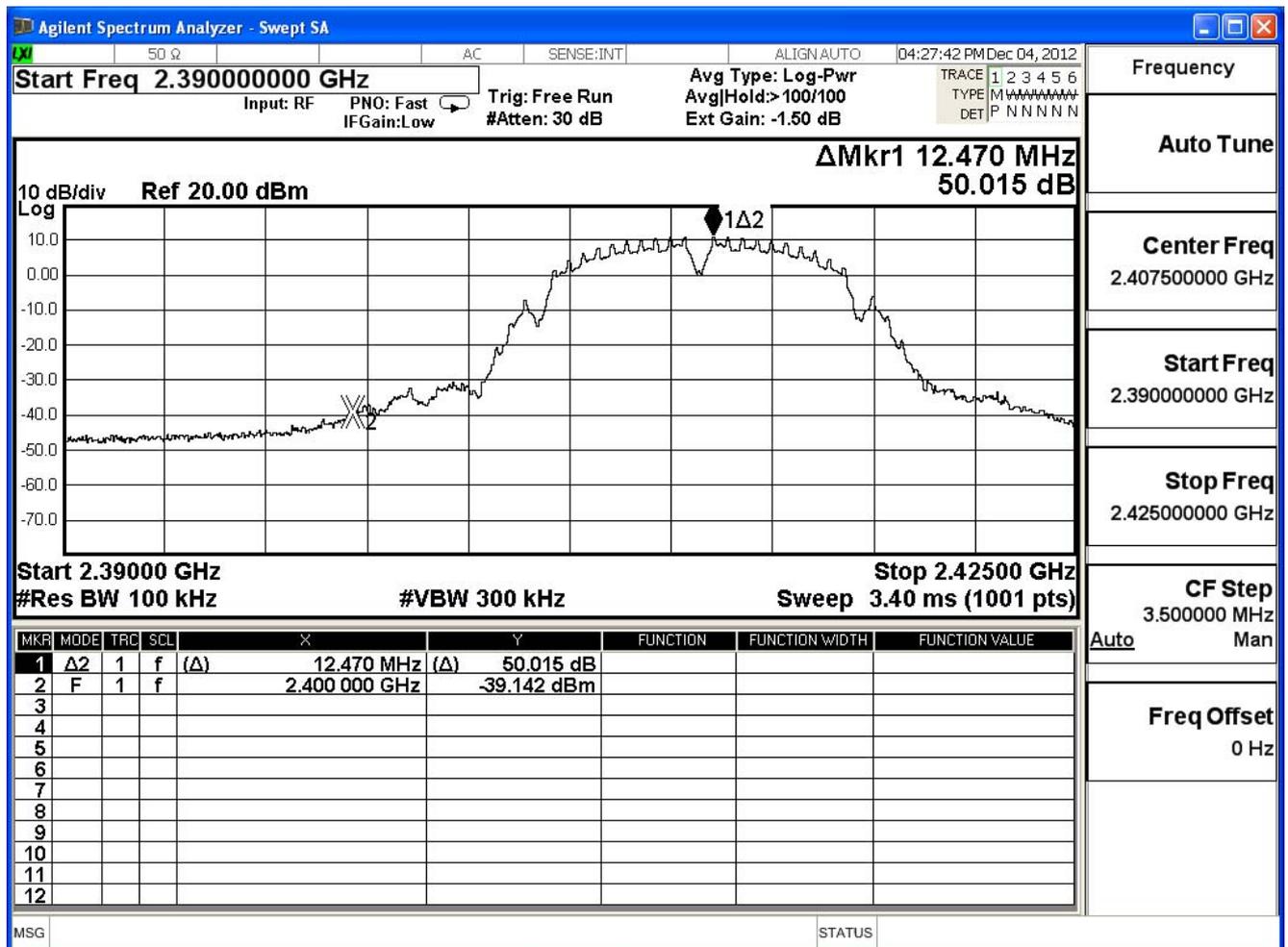
5.7. Test Result

Product	High Power Wireless N Router		
Test Item	RF antenna conducted test		
Test Mode	Mode 1: Transmit (DSA-12PFA-09)		
Date of Test	2012/12/04	Test Site	SR7

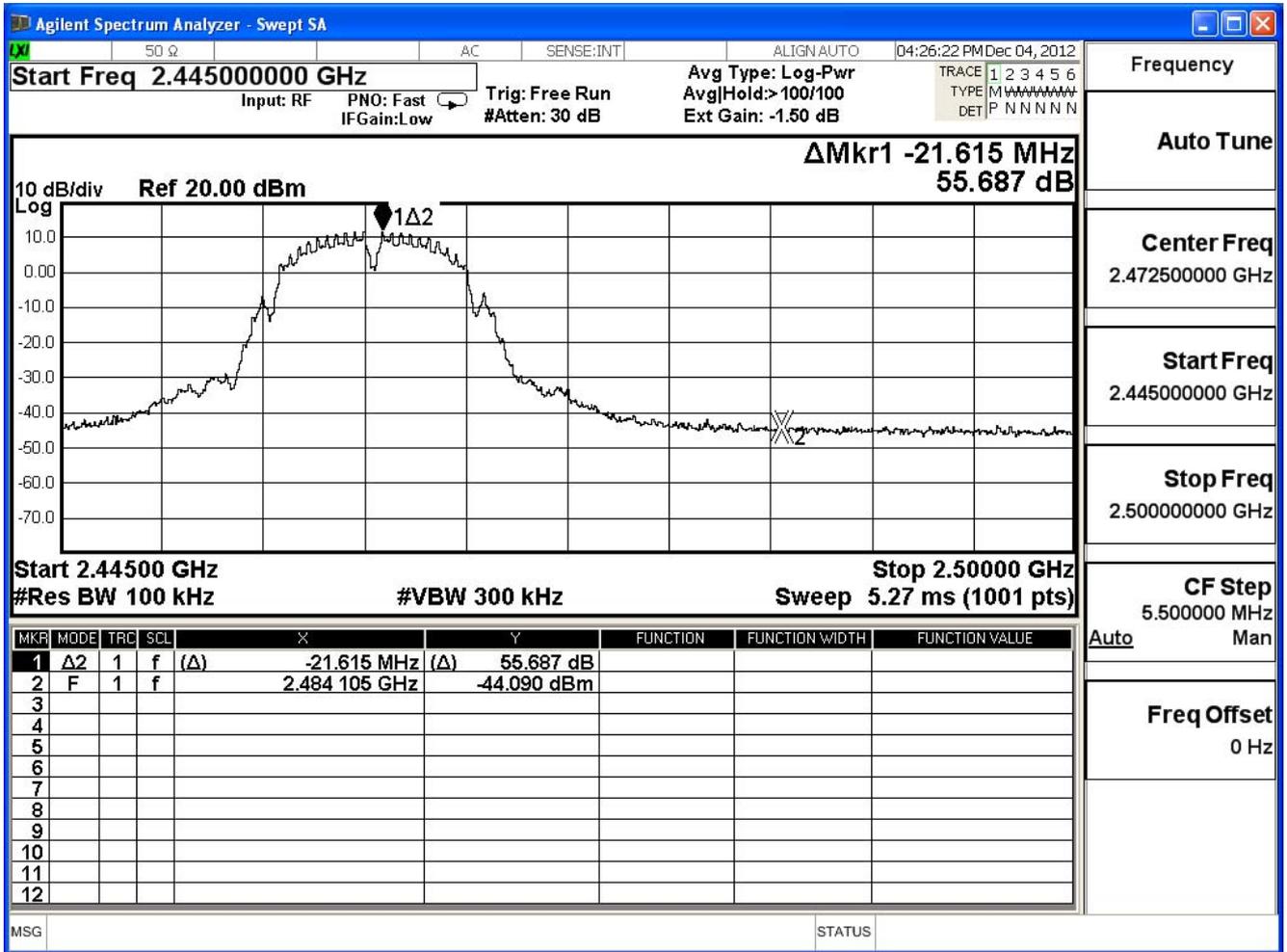
IEEE 802.11b, Duty Cycle: 1

Channel No.	Frequency (MHz)	Measure Level (dBc)	Limit (dBc)	Result
1	2412	50.015	≥20	Pass
11	2462	55.687	≥20	Pass

Channel 01 (2412MHz)



Channel 11 (2462MHz)

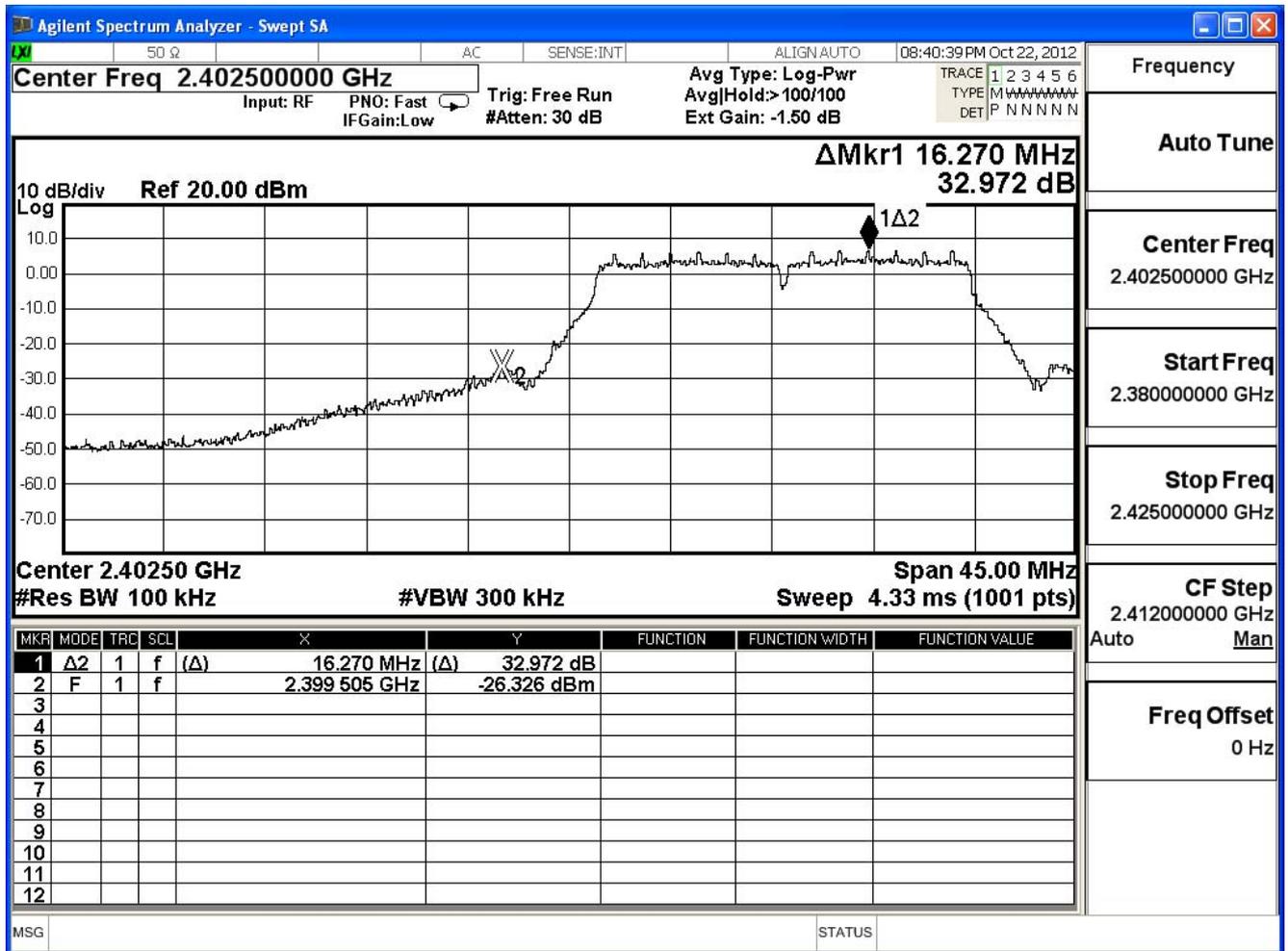


Product	High Power Wireless N Router		
Test Item	RF antenna conducted test		
Test Mode	Mode 1: Transmit (DSA-12PFA-09)		
Date of Test	2012/10/22	Test Site	SR7

IEEE 802.11g, Duty Cycle: 1

Channel No.	Frequency (MHz)	Measure Level (dBc)	Limit (dBc)	Result
1	2412	32.972	≥20	Pass
11	2462	50.648	≥20	Pass

Channel 01 (2412MHz)

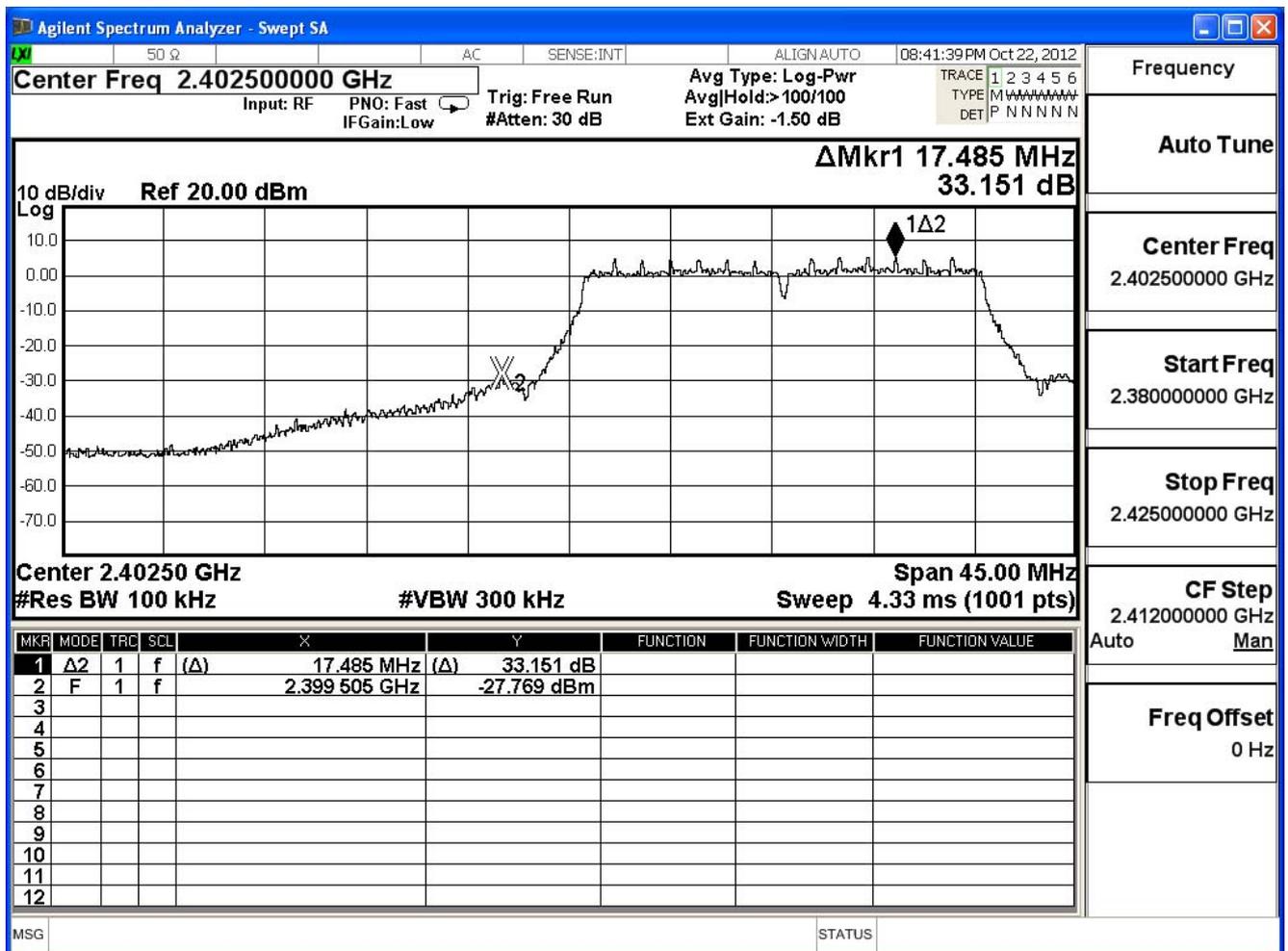


Product	High Power Wireless N Router		
Test Item	RF antenna conducted test		
Test Mode	Mode 1: Transmit (DSA-12PFA-09)		
Date of Test	2012/10/22	Test Site	SR7

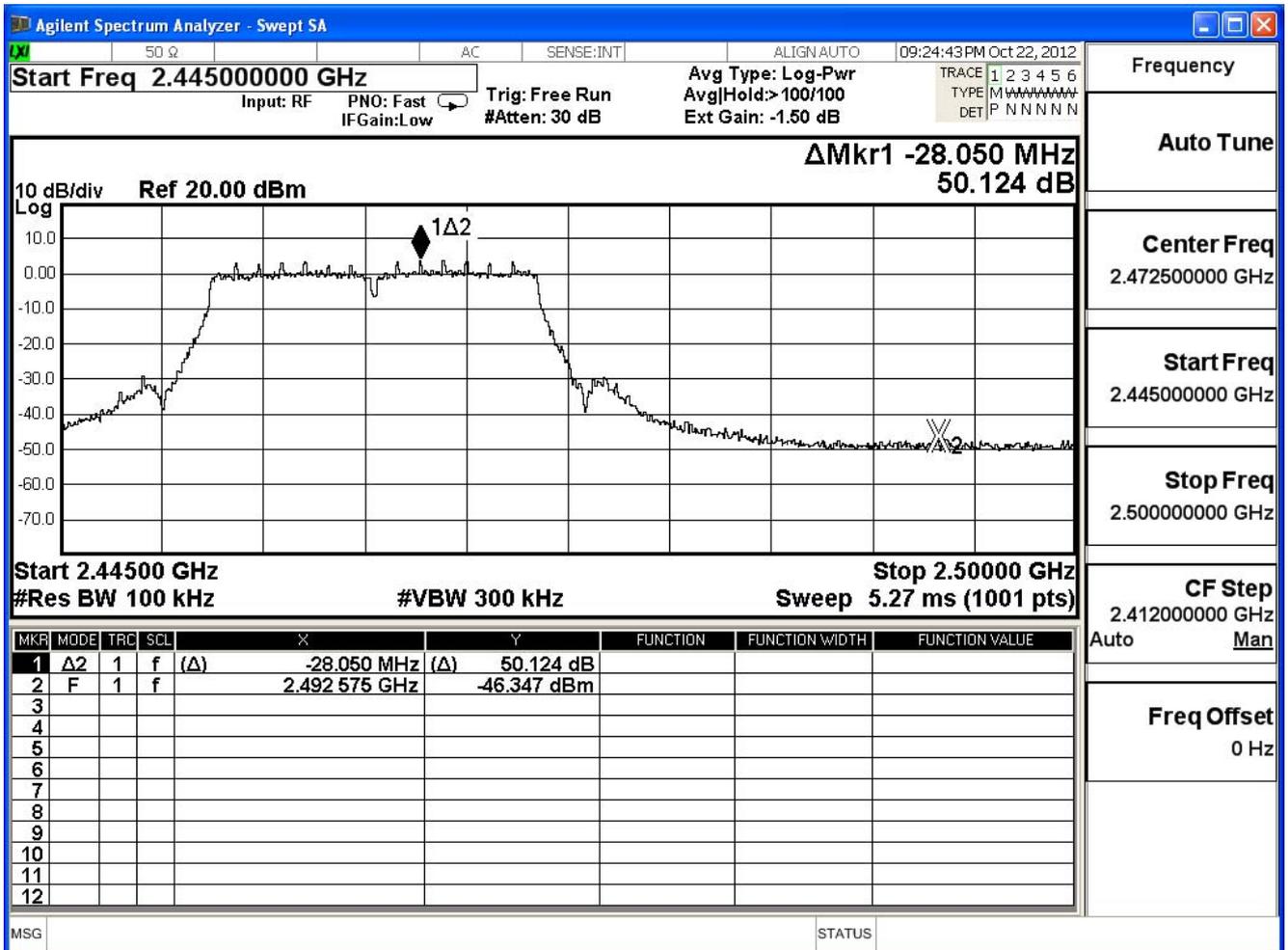
IEEE 802.11n (20MHz), (ANT 0) Duty Cycle: 1

Channel No.	Frequency (MHz)	Measure Level (dBc)	Limit (dBc)	Result
1	2412	33.151	≥20	Pass
11	2462	50.124	≥20	Pass

Channel 1 (2412MHz)



Channel 11 (2462MHz)

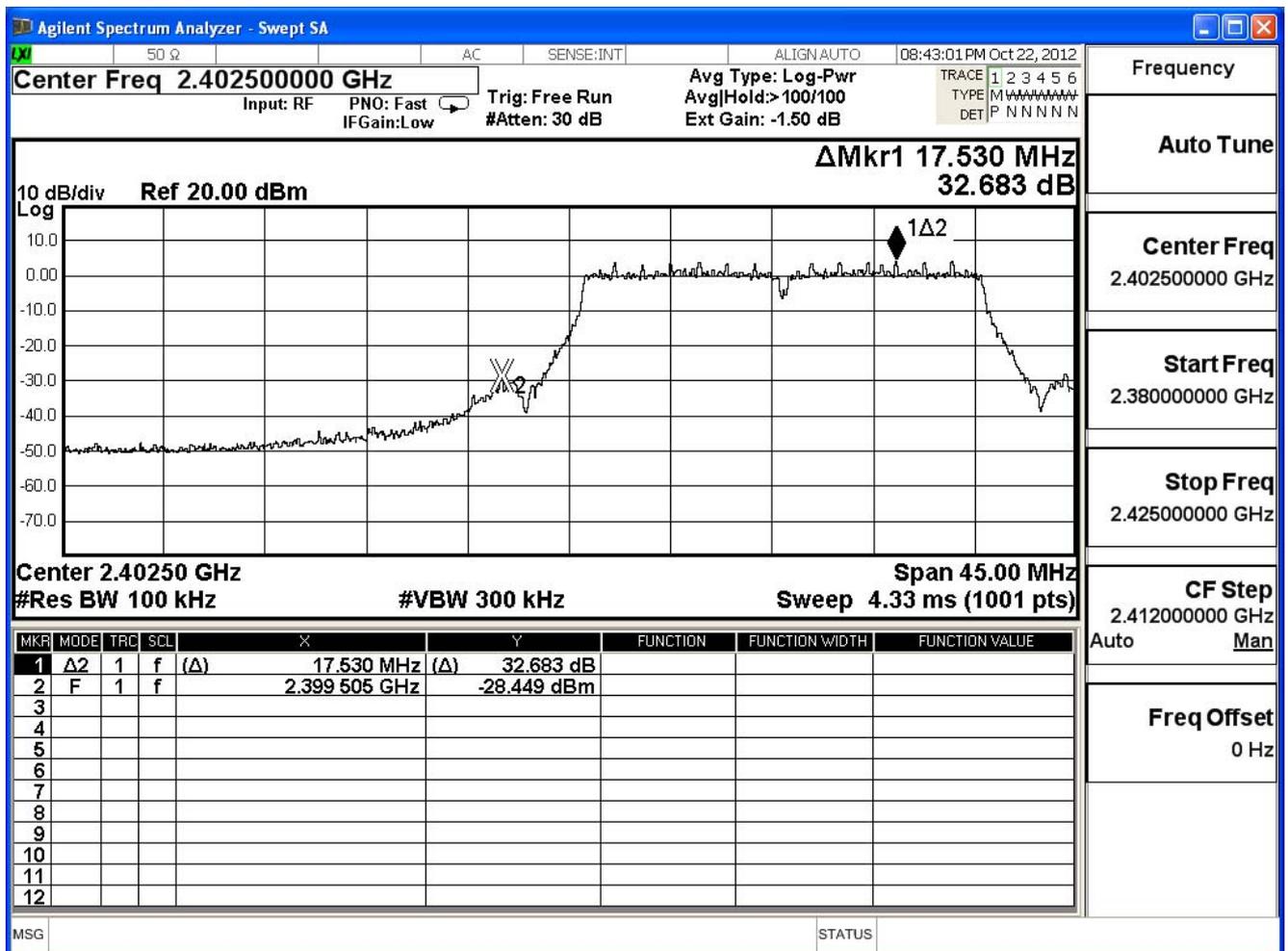


Product	High Power Wireless N Router		
Test Item	RF antenna conducted test		
Test Mode	Mode 1: Transmit (DSA-12PFA-09)		
Date of Test	2012/10/22	Test Site	SR7

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

Channel No.	Frequency (MHz)	Measure Level (dBc)	Limit (dBc)	Result
1	2412	32.683	≥20	Pass
11	2462	50.377	≥20	Pass

Channel 1 (2412MHz)

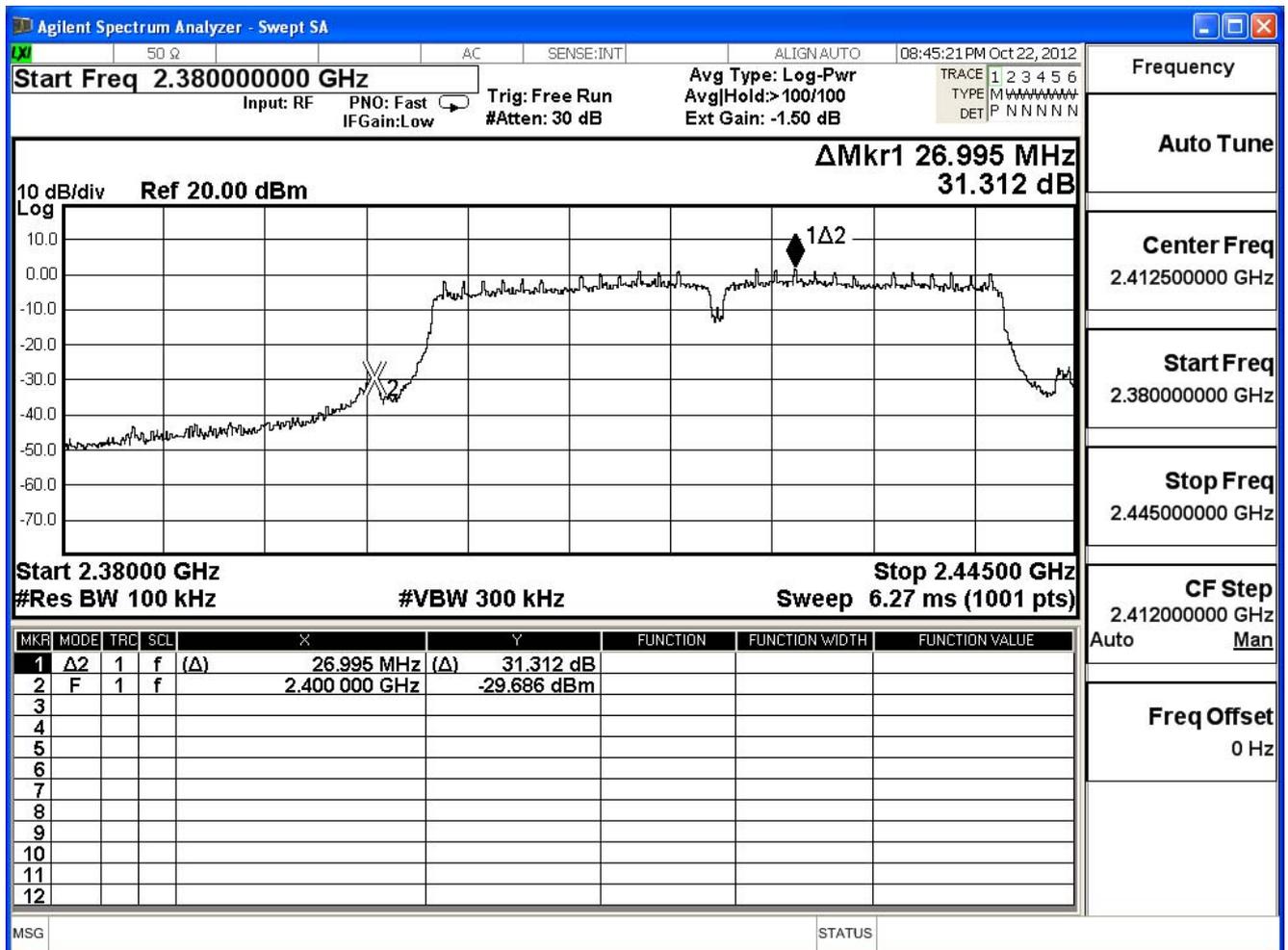


Product	High Power Wireless N Router		
Test Item	RF antenna conducted test		
Test Mode	Mode 1: Transmit (DSA-12PFA-09)		
Date of Test	2012/10/22	Test Site	SR7

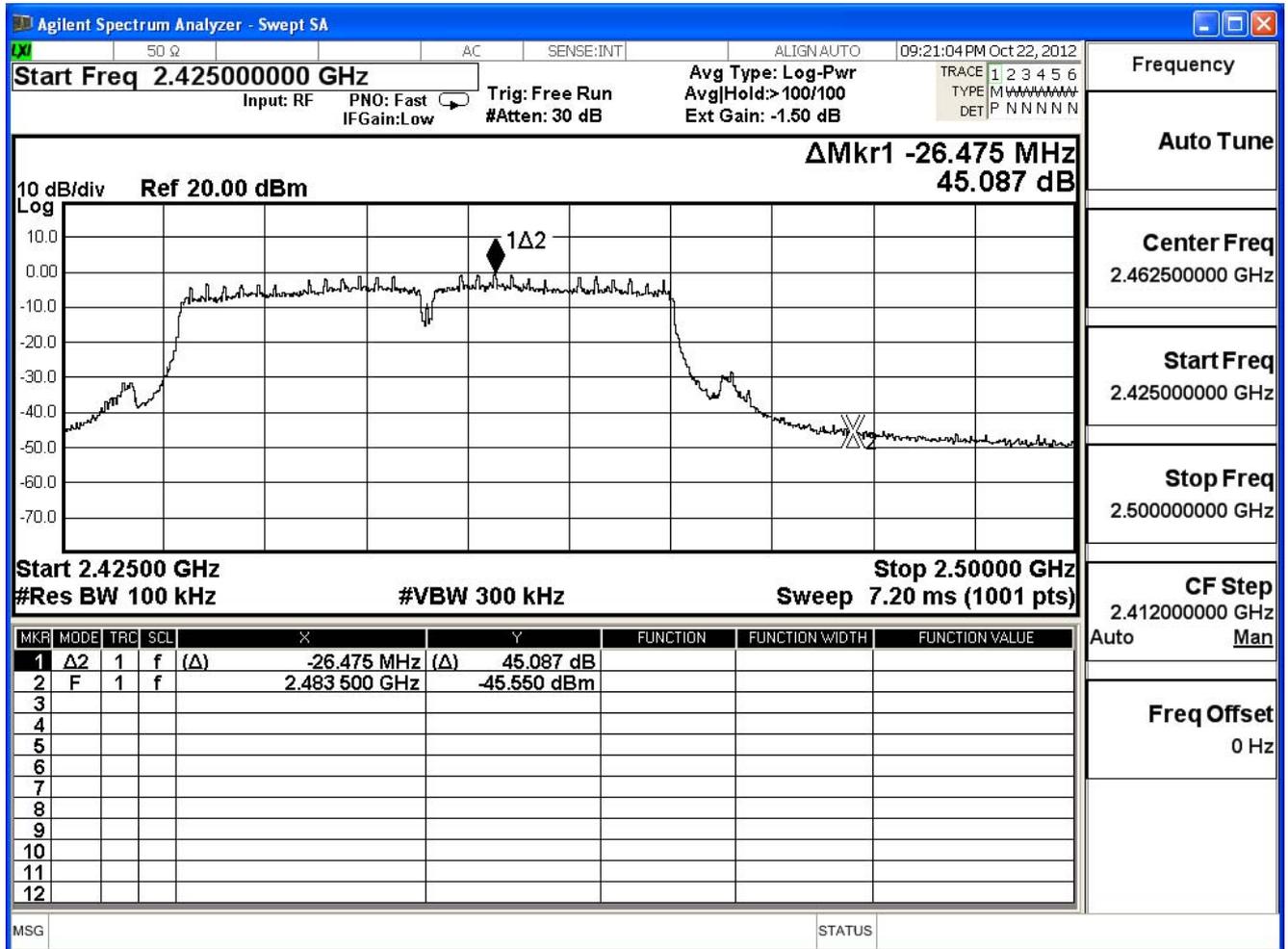
IEEE 802.11n (40MHz), (ANT 0) Duty Cycle: 1

Channel No.	Frequency (MHz)	Measure Level (dBc)	Limit (dBc)	Result
3	2422	31.312	≥20	Pass
9	2452	45.087	≥20	Pass

Channel 3 (2422MHz)



Channel 9 (2452MHz)

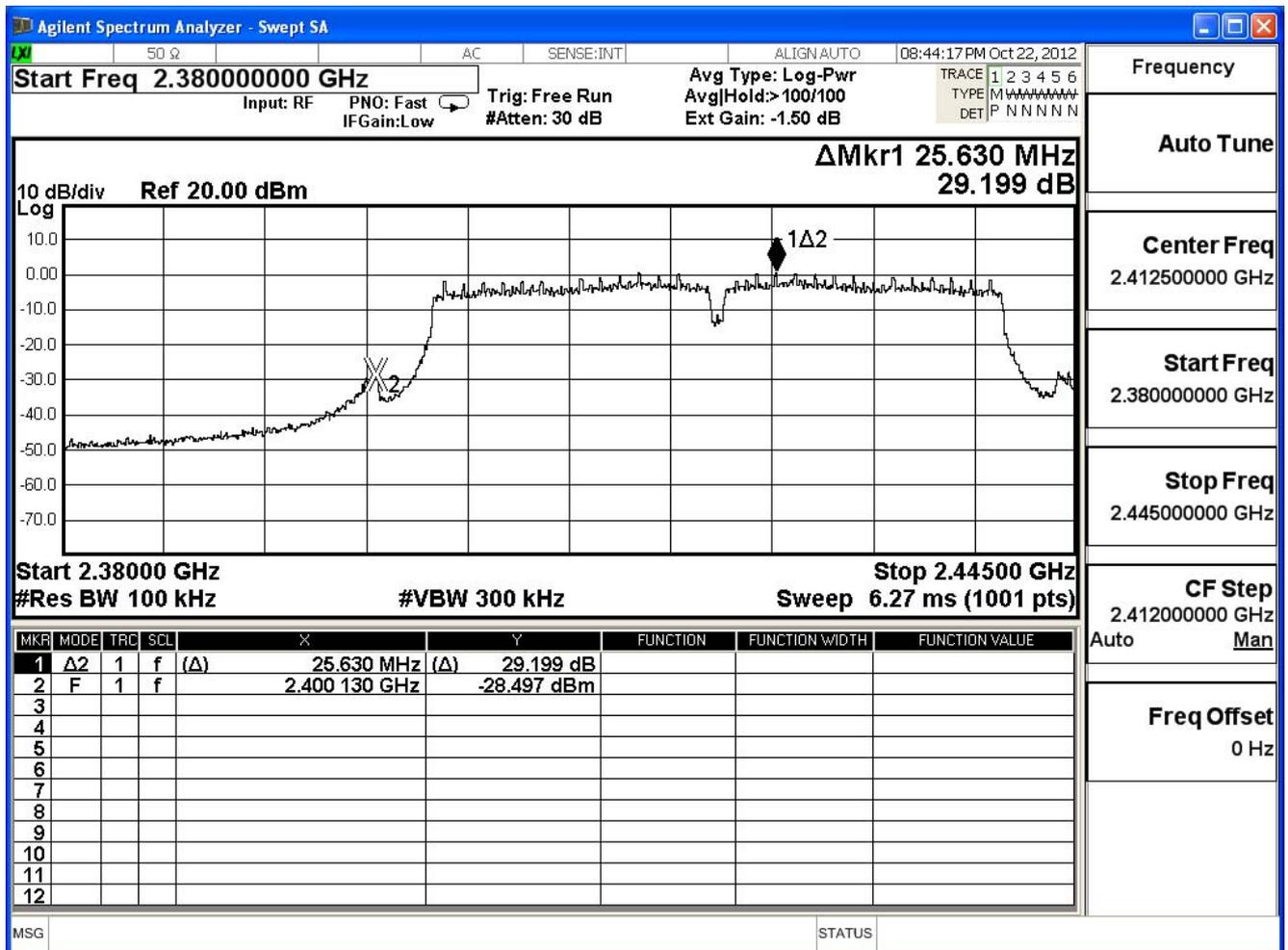


Product	High Power Wireless N Router		
Test Item	RF antenna conducted test		
Test Mode	Mode 1: Transmit (DSA-12PFA-09)		
Date of Test	2012/10/22	Test Site	SR7

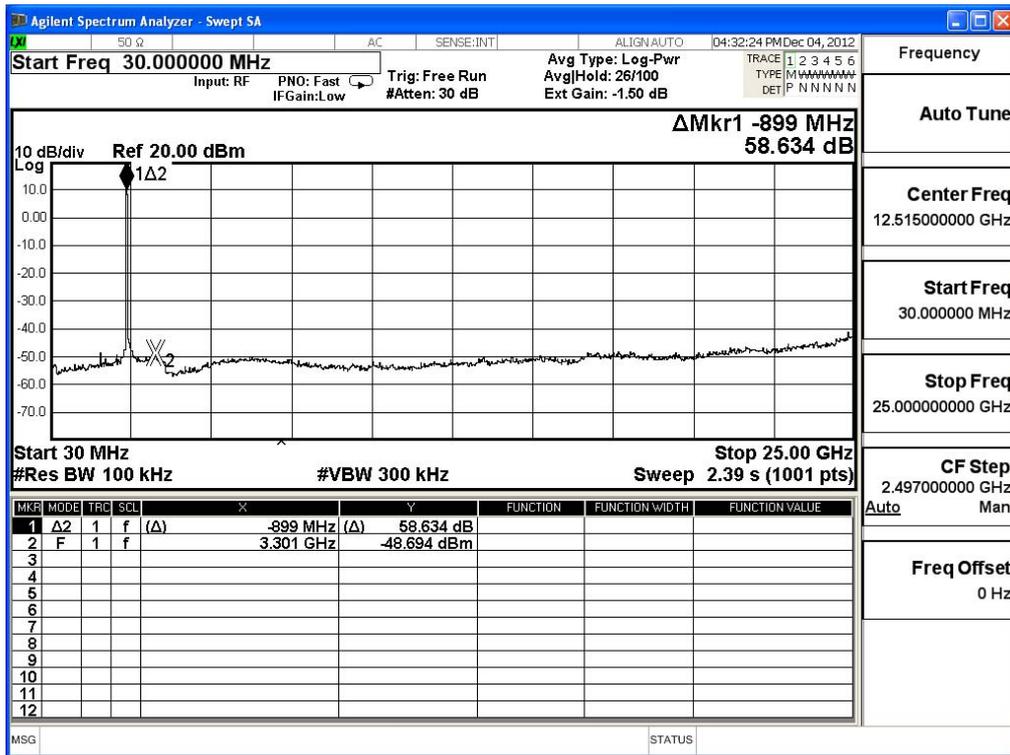
IEEE 802.11n (40MHz), (ANT 1) Duty Cycle: 1

Channel No.	Frequency (MHz)	Measure Level (dBc)	Limit (dBc)	Result
3	2422	29.199	≥20	Pass
9	2452	44.675	≥20	Pass

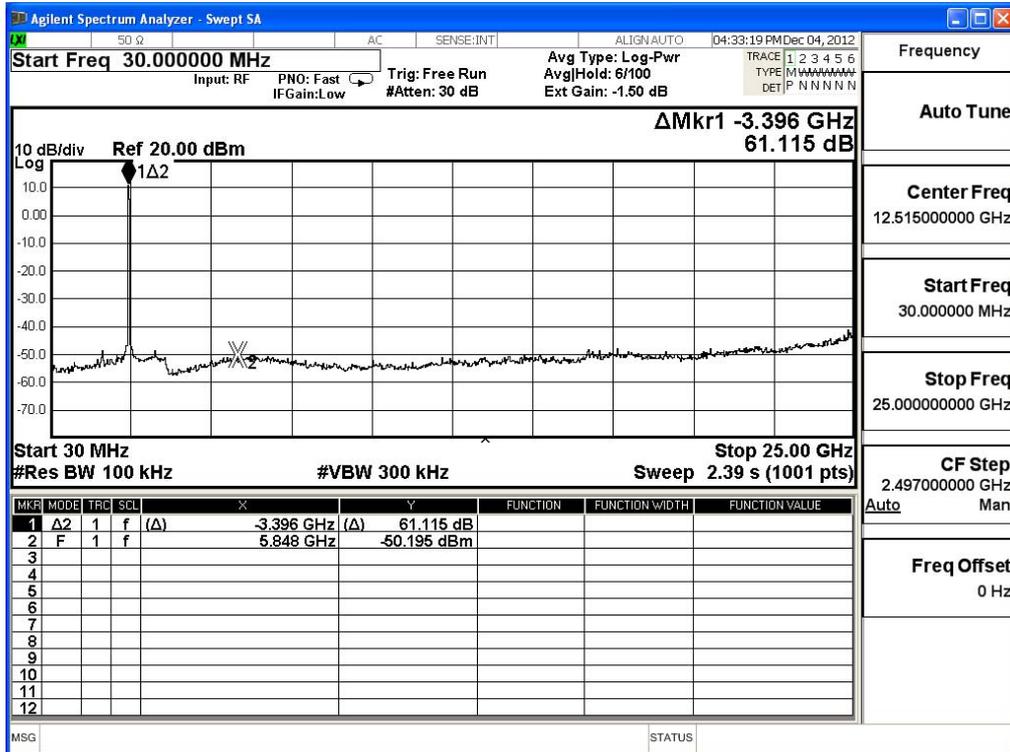
Channel 3 (2422MHz)



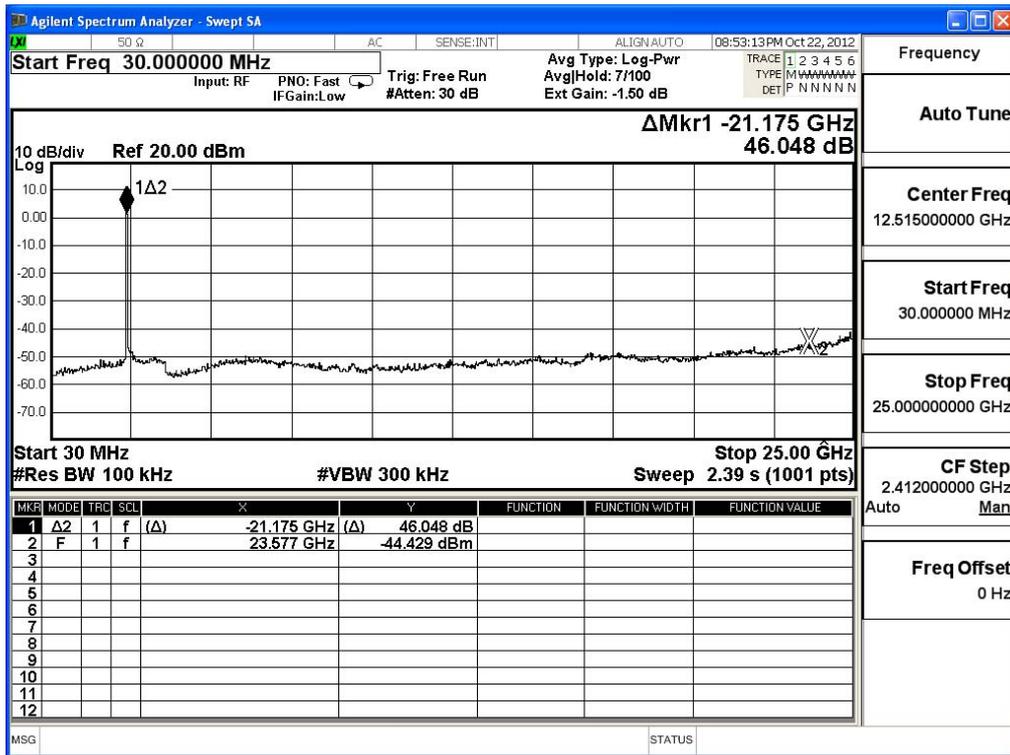
2412MHz (30MHz-25GHz)-802.11b



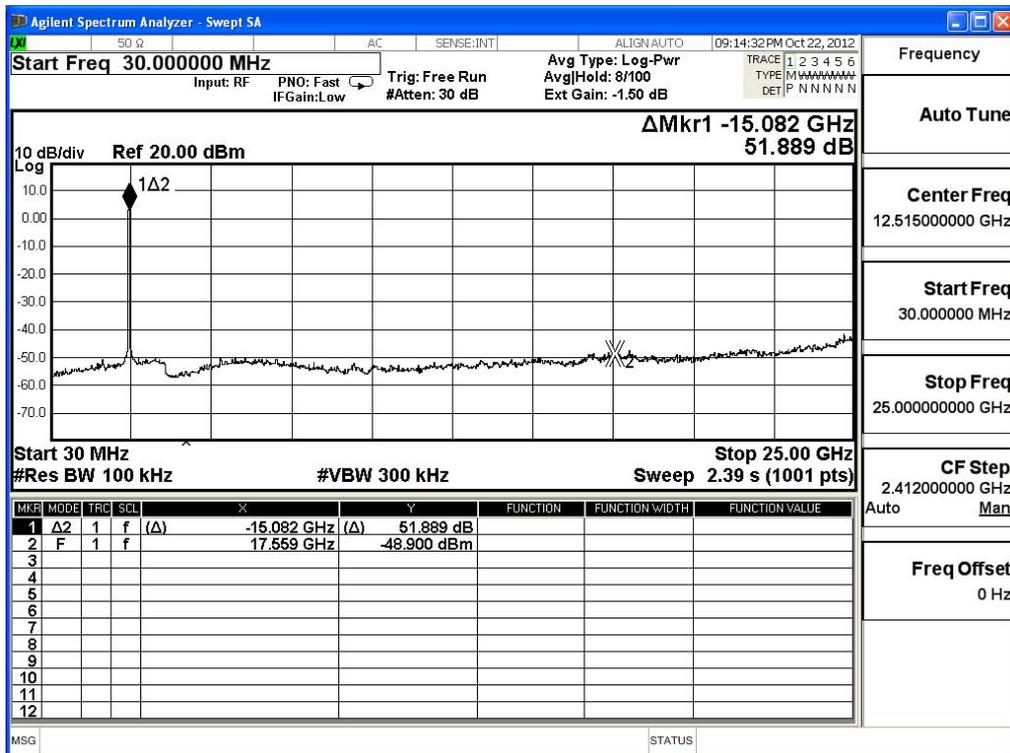
2462MHz (30MHz-25GHz) -802.11b



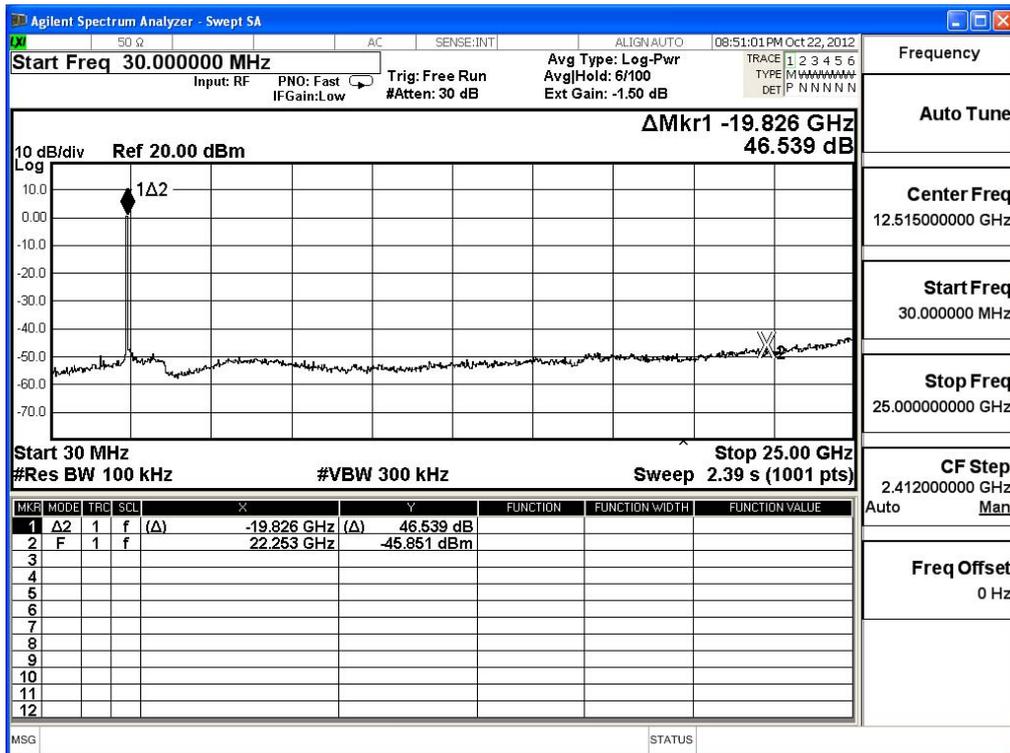
2412MHz (30MHz-25GHz)-802.11g



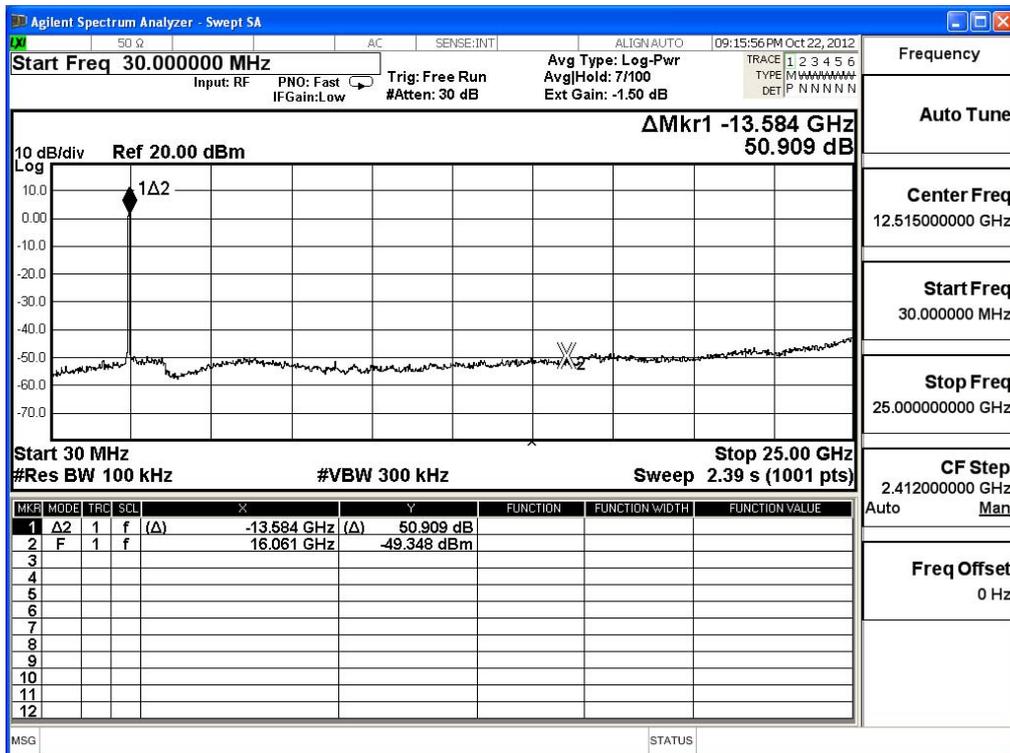
2462MHz (30MHz-25GHz) -802.11g



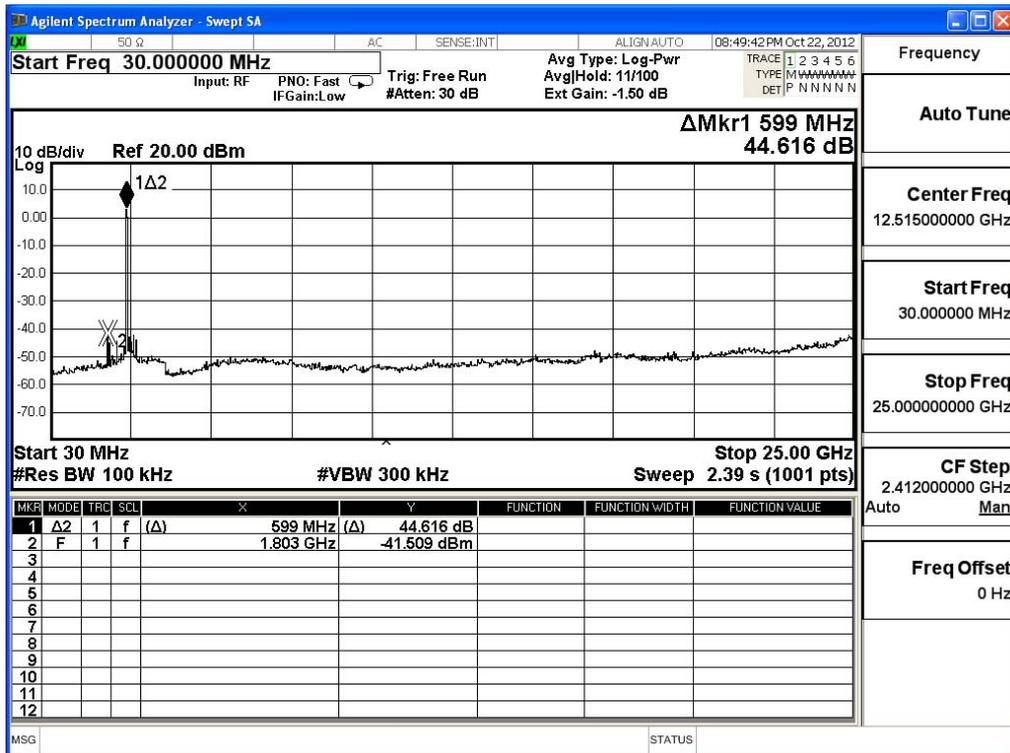
2412MHz (30MHz-25GHz)-802.11n(20MHz)-ANT 0



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



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



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

