

FCC Part15.247 Test Report

Product Name : ADSL2+ 4-port Wireless Router
Model No. : DSL-2750U, DSL-2750B
FCC ID : KA2DSL-2750U

Applicant : D-link Corporation
Address : NO. 289. Sinhu 3rd RD., Neihu District, Taipei
City 114, Taiwan

Date of Receipt : Dec. 10, 2010
Test Date : Dec. 10, 2010 ~ Dec. 20, 2010
Issued Date : Dec. 22, 2010
Report No. : 10CS018R-RF-US-P05V01
Report Version : V1.0

The test results relate only to the samples tested.

The test results shown in the test report are traceable to the national/international standard through the calibration of the equipment and evaluated measurement uncertainty herein.

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Test Report Certification

Issued Date : Dec. 22, 2010
 Report No. : 10CS018R-RF-US-P05V01



Product Name : ADSL2+ 4-port Wireless Router
 Applicant : D-link Corporation
 Address : NO. 289. Sinhu 3rd RD., Neihu District, Taipei City 114, Taiwan
 Manufacturer : D-link Corporation
 Address : NO. 289. Sinhu 3rd RD., Neihu District, Taipei City 114, Taiwan
 Model No. : DSL-2750U, DSL-2750B
 FCC ID : KA2DSL-2750U
 EUT Voltage : DC 12V, 1A
 Trade Name : D-Link
 Applicable Standard : FCC CFR Title 47 Part 15 Subpart C: 2008;
 ANSI C63.4: 2009; ANSI C63.10: 2009
 Test Result : Complied
 Performed Location : Suzhou EMC Laboratory
 No.99 Hongye Rd., Suzhou Industrial Park Loufeng Hi-Tech
 Development Zone., Suzhou, China
 TEL: +86-512-6251-5088 / FAX: +86-512-6251-5098
 FCC Registration Number: 800392

Documented By : *Alice Ni*
 (Engineering ADM: Alice Ni)
 Reviewed By : *Marlinchen*
 (Engineering Supervisor: Marlin Chen)
 Approved By : *Dream Cao*
 (Engineering Manager: Dream Cao)

Laboratory Information

We, **Quietek Corporation**, are an independent EMC and safety 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, EN 45001 and specified testing scope:

Taiwan R.O.C.	: BSMI, NCC, TAF
Germany	: TUV Rheinland
Norway	: Nemko, DNV
USA	: FCC, NVLAP
Japan	: VCCI

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

HsinChu Testing Laboratory :

No.75-2, 3rd Lin, Wangye Keng, Yonghxing Tsuen, Qionglin Shiang, Hsinchu County 307, Taiwan, R.O.C.
 TEL:+886-3-592-8858 / FAX:+886-3-592-8859 E-Mail : service@quietek.com



LinKou Testing Laboratory :

No. 5-22, Ruei-Shu Valley, Ruei-Ping Tsuen, Lin-Kou Shiang, Taipei, Taiwan, R.O.C.
 TEL : 886-2-8601-3788 / FAX : 886-2-8601-3789 E-Mail : service@quietek.com



Suzhou (China) Testing Laboratory :

No. 99 Hongye Rd., Suzhou Industrial Park Loufeng Hi-Tech Development Zone., Suzhou,China.
 TEL : +86-512-6251-5088 / FAX : +86-512-6251-5098 E-Mail : service@quietek.com



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1. General Information

1.1. EUT Description

Product Name	ADSL2+ 4-port Wireless Router
Trade Name	D-Link
Model No.	DSL-2750U, DSL-2750B
FCC ID	KA2DSL-2750U
Working Voltage	DC 12V, 1A
Frequency Range	802.11b/g/n(20MHz): 2412 - 2462 MHz 802.11n(40MHz):2422-2452MHz
Channel Number	802.11b/g/n(20MHz): 11, 802.11n(40MHz):7
Type of Modulation	802.11b: DSSS 802.11g/n: OFDM
Data Rate	802.11g: 6/9/12/18/24/36/48/54 Mbps 802.11b: 1/2/5.5/11 Mbps 802.11n: up to 270 Mbps
Channel Control	2*Tx + 2*Rx
Antenna Type	Monopole
Antenna Gain	2.0dBi
AC Adapter	Manufacturer: SHENZHEN FRECOM ELECTRONICS CO., LTD M/N: FM120010-US Input: 100-240V~50-60Hz, 0.6A Output: 12V, 1A

Note: The hardware of model DSL-2750B and DSL-2750U are the same, including RJ11 Telecommunication port, RJ45 network port etc. The difference is the location of capacitance and capability. Model DSL-2750U has five capacitance with the location of C48 C49 C50 C241 C242, the capability is 1000u F25V. Model DSL-2750B has two capacitance with the location of C48 C50, the capability is 470u F25V.

For 2.4GHz Band

802.11b/g/n(20MHz) Working Frequency of Each Channel:

Channel	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency
01	2412 MHz	02	2417 MHz	03	2422 MHz	04	2427 MHz
05	2432 MHz	06	2437 MHz	07	2442 MHz	08	2447 MHz
09	2452 MHz	10	2457 MHz	11	2462 MHz	N/A	N/A

802.11n(40MHz) Working Frequency of Each Channel:

Channel	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency
03	2422 MHz	04	2427 MHz	05	2432 MHz	06	2437 MHz
07	2442 MHz	08	2447 MHz	09	2452 MHz	N/A	N/A

1.2. Mode of Operation

Quietek has verified the construction and function in typical operation. All the test modes were carried out with the EUT in normal operation, which was shown in this test report and defined as:

Test Mode
Mode 1: Transmit by 802.11b
Mode 2: Transmit by 802.11g
Mode 3: Transmit by 802.11n (20MHz)
Mode 4: Transmit by 802.11n (40MHz)

Note:

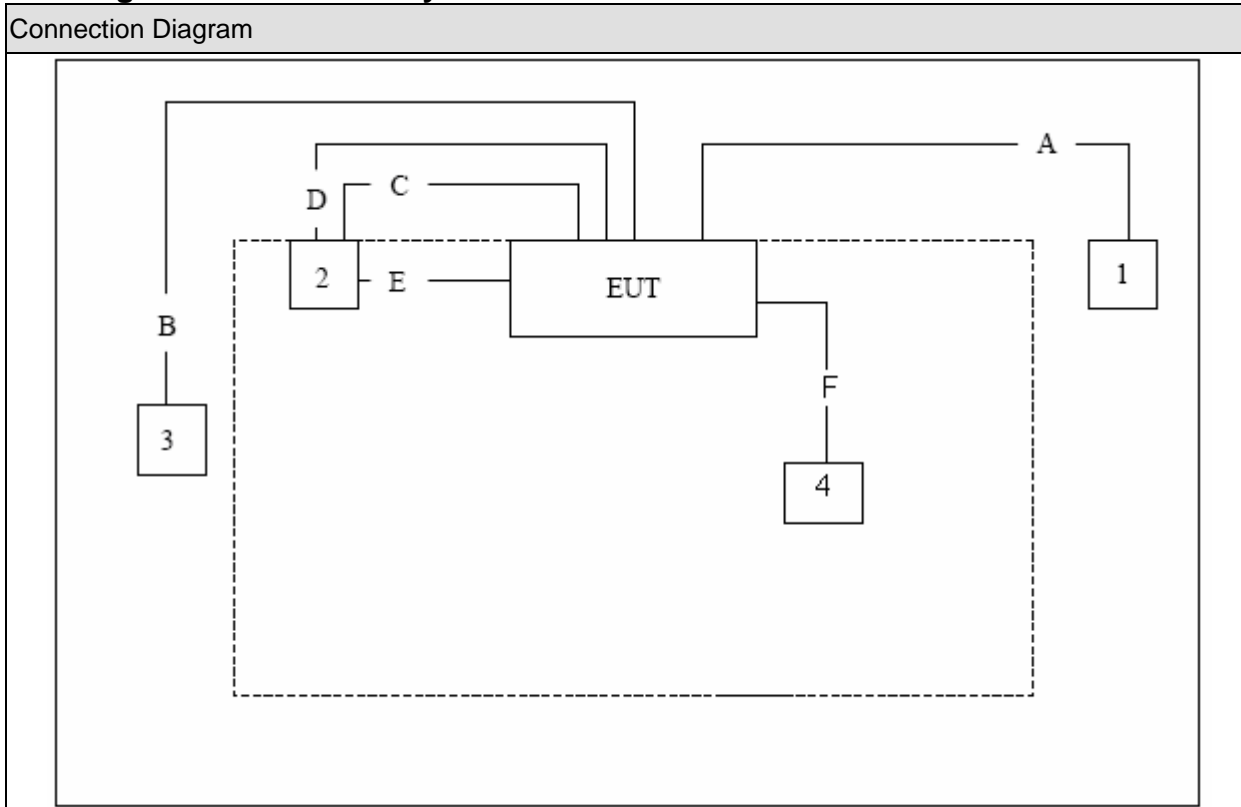
1. Regards to the frequency band operation: the lowest, middle and highest frequency of channel were selected to perform the test, then shown on this report.
2. This device is a composite device in accordance with Part 15 Subpart B regulations. The function for the receiver was measured and made a test report that the report number is 10CS018R-RF-US-P01V02.

1.3. 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.	Power Cord
1	Notebook	DELL	PP19L	JH097 A01	Power by adapter
2	Rouner	D-Link	DIR-605	PK11496006143	Non-Shielded, 1.8m
3	IP Express	ZyXEL	IES-1248-71	S523825530	Non-Shielded, 1.8m
	iPod	Apple	A1199	7J71085BVQ5	Power by PC

1.4. Configuration of Tested System



Signal Cable Type		Signal cable Description
A	LAN Cable	Non-Shielded, >10m
B	Telecom Cable	Non-Shielded, >10m
C	LAN Cable	Non-Shielded, 1.8m
D	LAN Cable	Non-Shielded, 1.8m
E	LAN Cable	Non-Shielded, 1.8m
F	USB Cable	Non-Shielded, 1.0m

1.5. EUT Exercise Software

1	Setup the EUT and simulators as shown on above
2	Turn on the power of equipment.
3	Input the commands in The Notebook (1), make the EUT Transmit or Receive, start test.

2. Technical Test

2.1. Summary of Test Result

- No deviations from the test standards
 Deviations from the test standards as below description:

Performed Test Item	Normative References	Test Performed	Deviation
Conducted Emission	FCC CFR Title 47 Part 15 Subpart C: 2008 Section 15.207	Yes	No
Radiated Emission	FCC CFR Title 47 Part 15 Subpart C: 2008 Section 15.209	Yes	No
RF Antenna Conducted Spurious	FCC CFR Title 47 Part 15 Subpart C: 2008 Section 15.247(d)	Yes	No
Radiated Emission Band Edge	FCC CFR Title 47 Part 15 Subpart C: 2008 15.247(d)	Yes	No
Operation Frequency Range of 20dB Bandwidth	FCC CFR Title 47 Part 15 Subpart C: 2008 15.215(c)	Yes	No
Occupied Bandwidth	FCC CFR Title 47 Part 15 Subpart C: 2008 Section 15.247(a)(2)	Yes	No
Power Output	FCC CFR Title 47 Part 15 Subpart C: 2008 Section 15.247(b)(3)	Yes	No
Power Spectral Density	FCC CFR Title 47 Part 15 Subpart C: 2008 Section 15.247(e)	Yes	No

2.2. Test Environment

Items	Required (IEC 68-1)	Actual
Temperature (°C)	15-35	21
Humidity (%RH)	25-75	50
Barometric pressure (mbar)	860-1060	950-1000

3. Conducted Emission

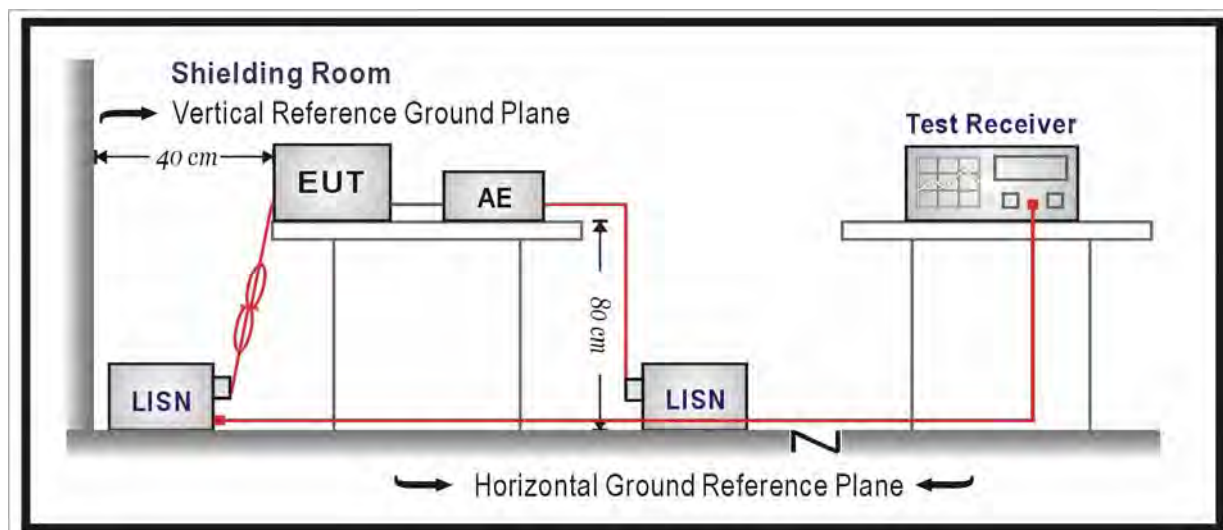
3.1. Test Equipment

Conducted Emission / TR-1

Instrument	Manufacturer	Type No.	Serial No.	Cali. Due Date
EMI Test Receiver	R&S	ESCI	100726	2011.04.23
Two-Line V-Network	R&S	ENV216	100043	2011.06.18
Two-Line V-Network	R&S	ENV216	100044	2011.09.07
50ohm Coaxial Switch	Anritsu	MP59B	6200464462	2011.05.05
50ohm Termination	SHX	TF2	07081401	2011.09.27
Temperature/Humidity Meter	zhicheng	ZC1-2	TR1-TH	2011.01.14

Note: All equipments are calibrated with traceable calibrations. Each calibration is traceable to the national or international standards.

3.2. Test Setup



3.3. Limit

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

Note 1: The lower limit shall apply at the transition frequencies.

Note 2: The limit decreases linearly with the logarithm of the frequency in the range 0.15 MHz to 0.5 MHz.

3.4. Test Procedure

The EUT was setup according to ANSI C63.4: 2009 and tested according to ANSI C63.10: 2009 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.

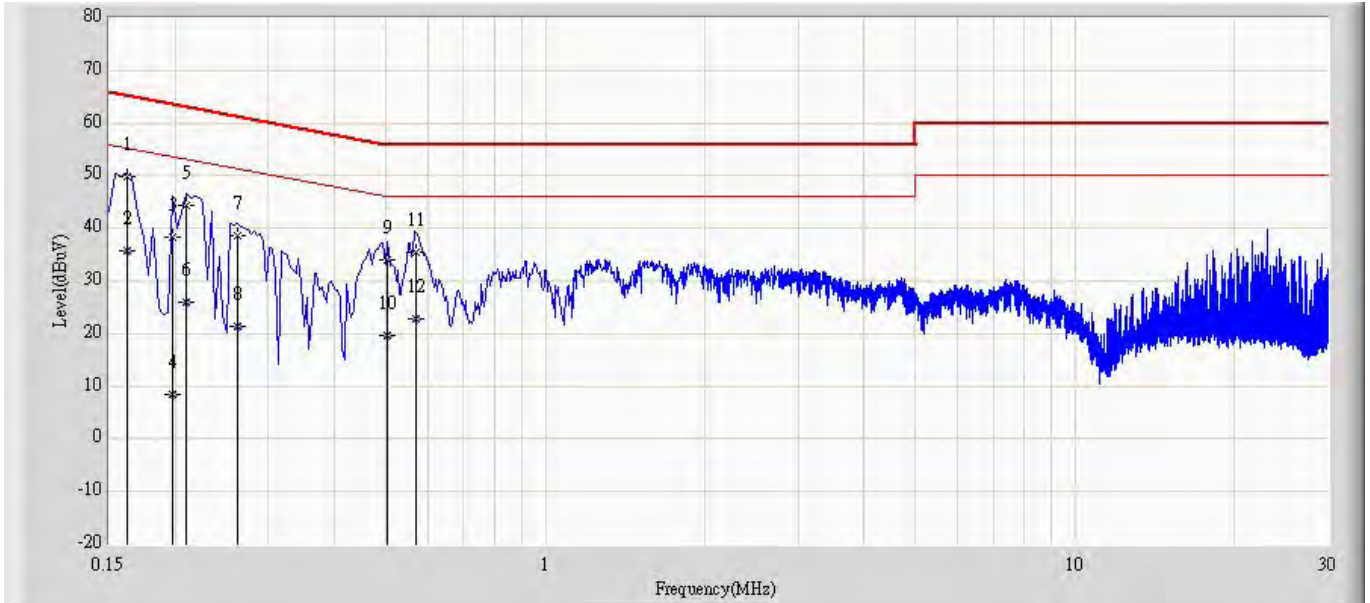
Conducted emissions were investigated over the frequency range from 0.15MHz to 30MHz using a receiver bandwidth of 9 kHz.

3.5. Uncertainty

The measurement uncertainty is defined as ± 2.02 dB

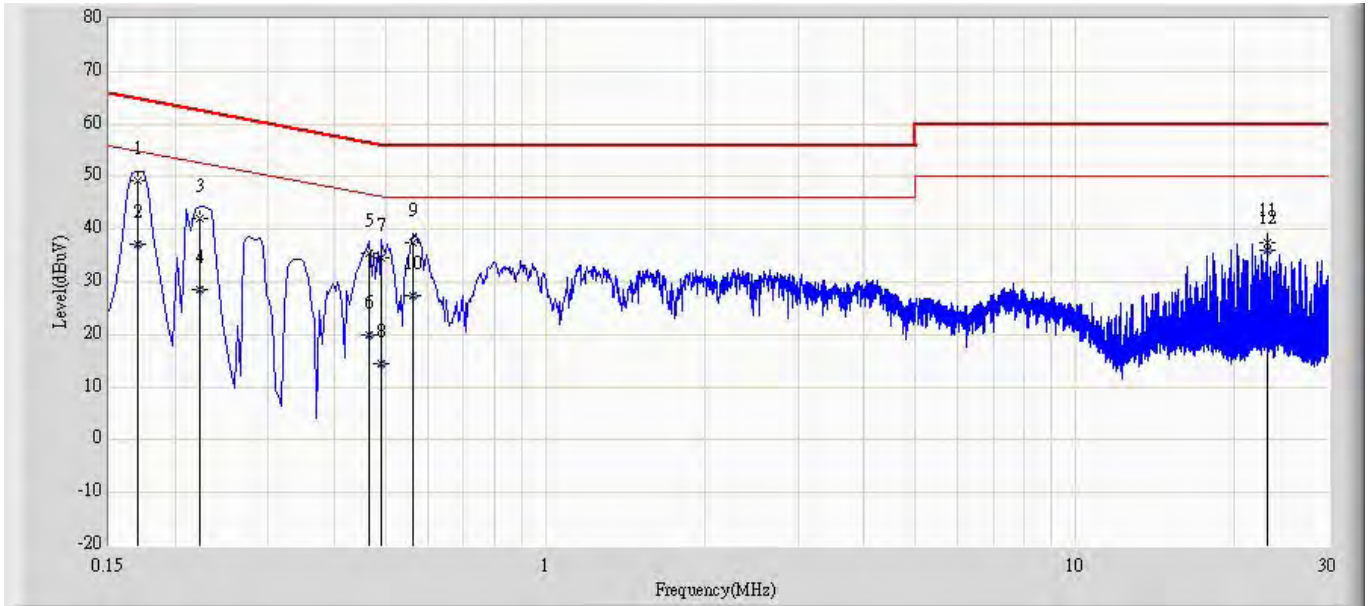
3.6. Test Result

Engineer: Steven	
Site: TR1	Time: 2010/12/14 - 13:42
Limit: FCC_Part15.207_CE_AC Power_ClassB	Margin: 0
Probe: ENV216_101043(0.009-30MHz)	Polarity: Line
EUT: ADSL2+ 4-port Wireless Router	Power: AC 120V/60Hz
Note: Mode 1	



No	Mark	Frequency (MHz)	Measure Level (dBuV)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV)	Factor (dB)	Type
1	*	0.162	49.941	40.352	-15.420	65.361	9.589	QP
2		0.162	35.692	26.103	-19.669	55.361	9.589	AV
3		0.198	38.261	28.599	-25.433	63.694	9.662	QP
4		0.198	8.542	-1.120	-45.152	53.694	9.662	AV
5		0.210	44.344	34.672	-18.861	63.205	9.672	QP
6		0.210	26.095	16.423	-27.110	53.205	9.672	AV
7		0.262	38.661	28.981	-22.706	61.368	9.680	QP
8		0.262	21.385	11.705	-29.983	51.368	9.680	AV
9		0.502	33.950	24.260	-22.050	56.000	9.690	QP
10		0.502	19.559	9.869	-26.441	46.000	9.690	AV
11		0.570	35.582	25.892	-20.418	56.000	9.690	QP
12		0.570	22.831	13.141	-23.169	46.000	9.690	AV

Engineer: Steven	
Site: TR1	Time: 2010/12/14 - 13:47
Limit: FCC_Part15.207_CE_AC Power_ClassB	Margin: 0
Probe: ENV216_101043(0.009-30MHz)	Polarity: Neutral
EUT: ADSL2+ 4-port Wireless Router	Power: AC 120V/60Hz
Note: Mode 1	



No	Mark	Frequency (MHz)	Measure Level (dBuV)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV)	Factor (dB)	Type
1		0.170	49.311	39.589	-15.649	64.960	9.722	QP
2		0.170	37.204	27.482	-17.757	54.960	9.722	AV
3		0.222	42.187	32.536	-20.557	62.744	9.651	QP
4		0.222	28.486	18.836	-24.257	52.744	9.651	AV
5		0.466	35.524	25.855	-21.061	56.585	9.669	QP
6		0.466	19.880	10.211	-26.705	46.585	9.669	AV
7		0.490	34.654	24.984	-21.514	56.168	9.670	QP
8		0.490	14.346	4.677	-31.821	46.168	9.670	AV
9		0.562	37.408	27.732	-18.592	56.000	9.676	QP
10		0.562	27.343	17.666	-18.657	46.000	9.676	AV
11		23.130	37.491	27.094	-22.509	60.000	10.396	QP
12	*	23.130	35.909	25.513	-14.091	50.000	10.396	AV

4. Radiated Emission

4.1. Test Equipment

Radiated Emission / AC-2

Instrument	Manufacturer	Type No.	Serial No.	Cali. Due Date
EMI Test Receiver	R&S	ESCI	100573	2011.04.23
Bilog Antenna	Teseq GmbH	CBL6112D	27611	2011.10.18
Coaxial Cable	Huber+Suhner	SUCOFLEX 106	AC2-C	2011.05.05
Temperature/Humidity Meter	Zhicheng	ZC1-2	AC2-TH	2011.01.14

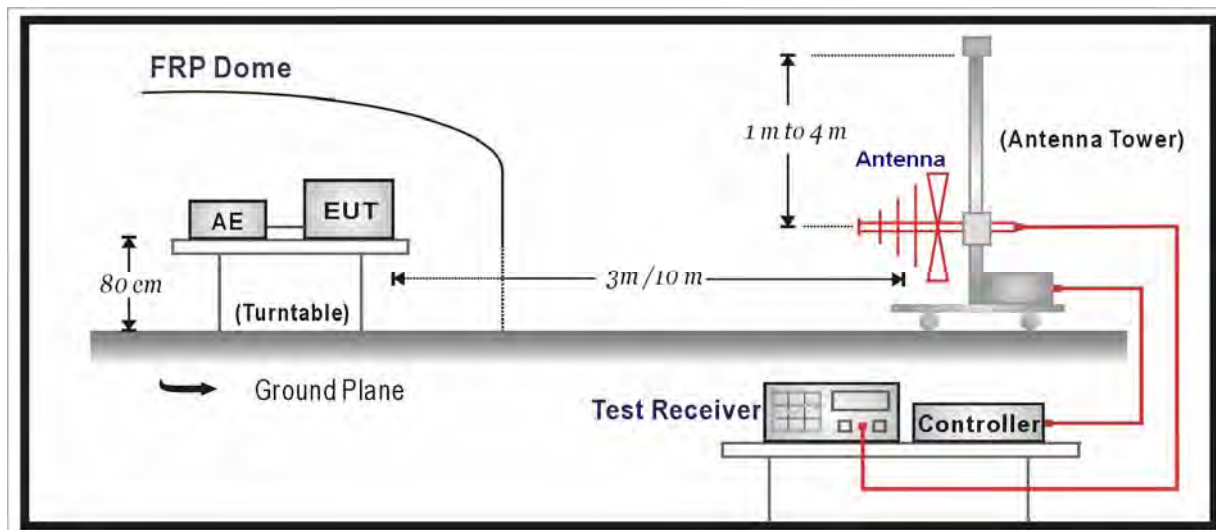
Radiated Emission / AC-5

Instrument	Manufacturer	Type No.	Serial No.	Cali. Due Date
Spectrum Analyzer	Agilent	N9010A	MY48030494	2011.04.23
EMI Test Receiver	R&S	ESCI	100906	2011.01.15
Preamplifier	Quietek	AP-180C	CHM-0602013	2011.05.05
Preamplifier	Quietek	AP-040G	CHM-0906001	2011.05.05
Bilog Antenna	Teseq GmbH	CBL6112D	27612	2011.10.18
Broad-Band Horn Antenna	Schwarzbeck	BBHA9120D	499	2011.06.11
High-Pass Filter	Wainwright	WHKX2.8/18G-12SS	SN1	2011.03.03
High-Pass Filter	Wainwright	WHKX7.0/18G-8SS	SN16	2011.03.03
Lowpass Filter	Wainwright	WLKS4500-9SS	SN2	2011.03.03
Temperature/Humidity Meter	Zhicheng	ZC1-2	AC5-TH	2011.01.14

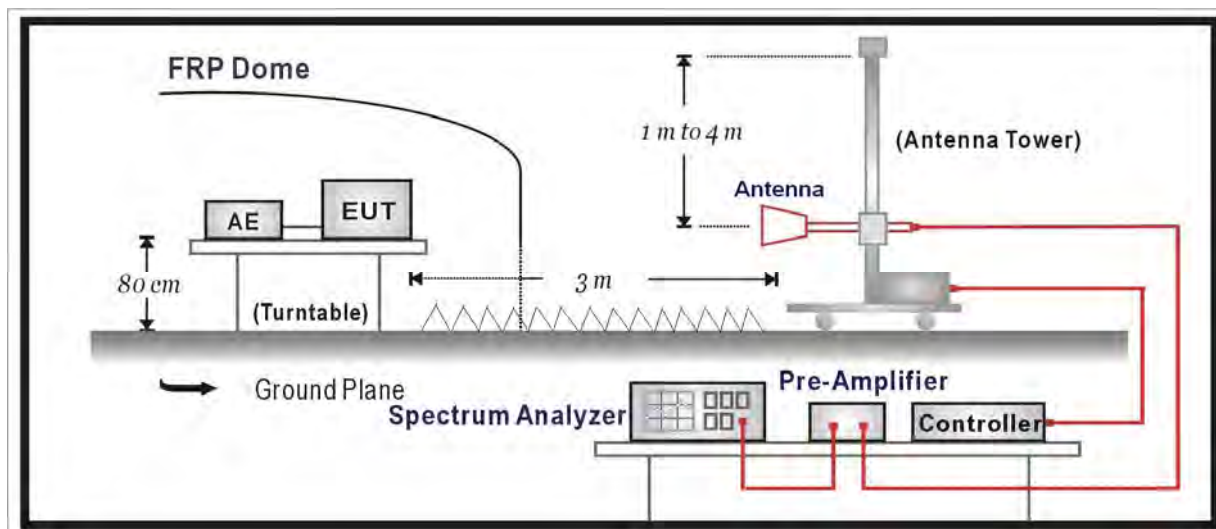
Note 1: All equipments are calibrated with traceable calibrations. Each calibration is traceable to the national or international standards.

4.2. Test Setup

Under 1GHz Test Setup:



Above 1GHz Test Setup:



4.3. Limit

FCC Part 15 Subpart C Paragraph 15.209		
Frequency (MHz)	Distance (m)	Level (dBuV/m)
30 - 88	3	40
88 - 216	3	43.5
216 - 960	3	46
Above 960	3	54

Note 1: The lower limit shall apply at the transition frequency.

Note 2: Distance refers to the distance in meters between the measuring instrument antenna and the closed point of any part of the device or system.

Note 3: 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 ANSI C63.10: 2009 for compliance to FCC 47CFR 15.247 requirements.

The EUT is placed on a turn table which is 0.8 meter above ground. The turn table is rotated 360 degrees to determine the position of the maximum emission level. The EUT was positioned such that the distance from antenna to the EUT was 3 meters.

The antenna is scanned from 1 meter to 4 meters to find out the maximum emission level. This is repeated for both horizontal and vertical polarization of the antenna. In order to find the maximum emission, all of the interface cables were manipulated according to ANSI C63.4: 2009 on radiated measurement.

The resolution bandwidth below 1GHz setting on the field strength meter is 120 kHz and above 1GHz is 1MHz.

The frequency range from 30MHz to 10th harmonic is checked.

Note: When doing emission measurement above 1GHz, the horn antenna will be bended down a little (as horn antenna has the narrow beamwidth) in order to keeping the antenna in the “cone of radiation” of EUT. The 3dB beamwidth is 60 degrees for H-plane and 90 degrees for E-plane.

4.5. Uncertainty

The measurement uncertainty above 1G is defined as ± 3.9 dB
 below 1G is defined as ± 3.8 dB

4.6. Test Result

All of the test result shown indicates the worst case, and spectrum analyzer parameters setting as shown below:

Peak detector: RBW = 1MHz, VBW = 3MHz, sweep time = 200ms;

Average detector: RBW = 1MHz, VBW = 10Hz, sweep time = auto.

802.11b

Chain	CH	Antenna	Frequency (MHz)	Reading Level (dBuV/m)	Factor (dB)	Measure Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
Ant 0	1	V	2412.0	76.2	30.9	107.1	Fundamental	/	PK
		H	317.1	48.5	-7.4	41.1	46	-4.9	QP
		H	960.2	33.6	1.9	35.5	54	-18.5	QP
		V	10001.5	38.4	10.4	48.8	54(note)	-5.2	PK
		V	4825.0	49.5	0.5	50.0	54(note)	-4.0	PK
		V	7502.5	43.1	6.8	49.9	54(note)	-4.1	PK
		H	24000.0	59.1	-8.9	50.2	54(note)	-3.8	PK
	6	V	2437.0	72.5	35.3	107.8	Fundamental	/	PK
		H	322.5	47.1	-7.3	39.7	46	-6.3	QP
		H	952.0	30.5	1.9	32.3	46	-13.7	QP
		V	10001.5	38.6	10.4	49.0	54(note)	-5.0	PK
		V	4876.0	48.0	0.2	48.3	54(note)	-5.7	PK
		V	7502.5	44.2	6.8	51.0	54(note)	-3.0	PK
		H	24000.0	59.1	-8.9	50.2	54(note)	-3.8	PK
	11	V	2462.1	77.4	31.0	108.4	Fundamental	/	PK
		H	324.9	48.3	-7.2	41.1	46	-4.9	QP
		H	960.2	33.7	1.9	35.7	54	-18.4	QP
		V	10001.5	38.3	10.4	48.7	54(note)	-5.3	PK
		V	4927.0	47.1	0.5	47.6	54(note)	-6.4	PK
		V	7502.5	42.6	6.8	49.4	54(note)	-4.7	PK
		H	24000.0	59.1	-8.9	50.2	54(note)	-3.8	PK

802.11g

Chain	CH	Antenna	Frequency (MHz)	Reading Level (dBuV/m)	Factor (dB)	Measure Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
Ant 0	1	V	2413.1	76.0	30.9	106.9	Fundamental	/	PK
		H	324.9	47.6	-7.2	40.4	46	-5.6	QP
		H	955.9	31.3	1.9	33.2	46	-12.8	QP
		V	10001.5	38.8	10.4	49.2	54(note)	-4.8	PK
		V	4816.5	43.1	0.4	43.6	54(note)	-10.4	PK
		V	7502.5	41.2	6.8	48.0	54(note)	-6.0	PK
		H	24000.0	59.1	-8.9	50.2	54(note)	-3.8	PK
	6	V	2437.0	77.0	30.4	107.4	Fundamental	/	PK
		H	320.0	48.1	-7.6	40.5	46	-5.5	QP
		H	960.2	33.3	1.9	35.2	54	-17.8	QP
		V	10001.5	39.3	10.4	49.7	54(note)	-4.3	PK
		V	5003.5	45.2	0.4	45.6	54(note)	-8.4	PK
		V	7502.5	43.0	6.8	49.8	54(note)	-4.2	PK
		H	24000.0	59.1	-8.9	50.2	54(note)	-3.8	PK
	11	V	2462.5	77.0	31.0	108.0	Fundamental	/	PK
		H	329.2	46.6	-7.1	39.5	46	-6.5	QP
		H	959.7	33.9	1.8	35.7	46	-10.3	QP
		V	10001.5	38.8	10.4	49.2	54(note)	-4.8	PK
		V	4927.0	43.9	0.5	44.4	54(note)	-9.6	PK
		V	7502.5	41.5	6.8	48.3	54(note)	-5.7	PK
		H	24000.0	59.1	-8.9	50.2	54(note)	-3.8	PK
Ant 1	1	V	2412.0	79.1	30.9	109.9	Fundamental	/	PK
		H	324.9	47.3	-7.2	40.1	46	-5.9	QP
		H	955.9	31.2	1.9	33.2	46	-12.8	QP
		V	10001.5	38.8	10.4	49.2	54(note)	-4.8	PK
		V	5003.5	43.7	0.4	44.0	54(note)	-10.0	PK
		V	7502.5	42.5	6.8	49.3	54(note)	-4.7	PK
		H	24000.0	59.1	-8.9	50.2	54(note)	-3.8	PK
	6	V	2437.0	79.2	30.3	109.5	Fundamental	/	PK
		H	320.0	48.4	-7.6	40.8	46	-5.2	QP
		H	960.2	33.9	1.9	35.8	54	-18.2	QP
		V	10001.5	38.9	10.4	49.3	54(note)	-4.7	PK
		V	5003.5	44.1	0.4	44.5	54(note)	-9.5	PK

		V	7307.0	45.7	6.8	52.5	54(note)	-1.5	PK
		H	24000.0	59.1	-8.9	50.2	54(note)	-3.8	PK
	11	V	2462.0	78.1	31.0	109.1	Fundamental	/	PK
		H	329.2	46.1	-7.1	39.1	46	-6.9	QP
		H	959.7	33.2	1.8	35.0	46	-11.0	QP
		V	10001.5	38.2	10.4	48.6	54(note)	-5.4	PK
		V	5003.5	43.9	0.4	44.3	54(note)	-9.7	PK
		V	7375.0	43.4	6.7	50.1	54(note)	-3.9	PK
		H	24000.0	59.1	-8.9	50.2	54(note)	-3.8	PK

802.11n(20MHz)

Chain	CH	Antenna	Frequency (MHz)	Reading Level (dBuV/m)	Factor (dB)	Measure Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	
Ant 0	1	V	2412.2	75.6	30.9	106.5	Fundamental	/	PK	
		H	324.9	47.9	-7.2	40.7	46	-5.3	QP	
		H	955.9	31.6	1.9	33.5	46	-12.5	QP	
		V	10001.5	39.5	10.4	49.9	54(note)	-4.1	PK	
		V	5003.5	44.6	0.4	45.0	54(note)	-9.0	PK	
		V	7502.5	41.6	6.8	48.4	54(note)	-5.6	PK	
		H	24000.0	59.1	-8.9	50.2	54(note)	-3.8	PK	
	6	V	2437.0	77.3	30.5	107.8	Fundamental	/	PK	
		H	320.0	48.1	-7.6	40.5	46	-5.5	QP	
		H	960.2	33.7	1.9	35.6	54	-18.4	QP	
		V	9891.0	36.2	10.5	46.8	54(note)	-7.2	PK	
		V	5003.5	45.1	0.4	45.5	54(note)	-8.5	PK	
		V	7502.5	42.5	6.8	49.3	54(note)	-4.7	PK	
		H	24000.0	59.1	-8.9	50.2	54(note)	-3.8	PK	
	11	V	2463.7	77.4	31.0	108.4	Fundamental	/	PK	
		H	329.2	46.6	-7.1	39.5	46	-6.5	QP	
		H	959.7	33.8	1.8	35.6	46	-10.4	QP	
		V	10001.5	38.8	10.4	49.2	54(note)	-4.8	PK	
		V	5003.5	44.0	0.4	44.4	54(note)	-9.7	PK	
		V	7502.5	41.0	6.8	47.8	54(note)	-6.2	PK	
		H	24000.0	59.1	-8.9	50.2	54(note)	-3.8	PK	
	Ant 1	1	V	2413.7	77.9	30.9	108.8	Fundamental	/	PK
			H	324.9	47.3	-7.2	40.1	46	-5.9	QP
			H	955.9	31.2	1.9	33.2	46	-12.8	QP
			V	9865.5	37.2	10.2	47.5	54(note)	-6.5	PK
			V	5003.5	44.4	0.4	44.8	54(note)	-9.2	PK
			V	7502.5	41.6	6.8	48.4	54(note)	-5.6	PK
H			24000.0	59.1	-8.9	50.2	54(note)	-3.8	PK	
6		V	2437.0	78.1	30.5	108.6	Fundamental	/	PK	
		H	320.0	48.4	-7.6	40.8	46	-5.2	QP	
		H	960.2	33.9	1.9	35.8	54	-18.2	QP	
		V	10001.5	38.3	10.4	48.8	54(note)	-5.3	PK	
		V	5003.5	43.9	0.4	44.3	54(note)	-9.7	PK	

		V	7502.5	41.2	6.8	48.0	54(note)	-6.0	PK	
		H	24000.0	59.1	-8.9	50.2	54(note)	-3.8	PK	
	11	V	2463.5	77.3	31.0	108.4	Fundamental	/	PK	
		H	329.2	46.1	-7.1	39.1	46	-6.9	QP	
		H	959.7	33.2	1.8	35.0	46	-11.0	QP	
		V	10001.5	37.9	10.4	48.3	54(note)	-5.7	PK	
		V	5003.5	44.4	0.4	44.8	54(note)	-9.2	PK	
		V	7502.5	43.0	6.8	49.8	54(note)	-4.2	PK	
		H	24000.0	59.1	-8.9	50.2	54(note)	-3.8	PK	
	Ant 0+1	1	V	2411.0	78.3	30.9	109.2	Fundamental	/	PK
			H	320.0	48.5	-7.6	40.9	46	-5.1	QP
			H	957.3	31.3	2.1	33.4	46	-12.6	QP
			V	9840.0	38.0	10.1	48.1	54(note)	-5.9	PK
			V	4825.0	45.7	0.5	46.2	54(note)	-7.8	PK
V			7230.5	46.9	7.0	53.9	54(note)	-0.1	PK	
H			24000.0	59.1	-8.9	50.2	54(note)	-3.8	PK	
6		V	2437.0	79.1	30.5	109.6	Fundamental	/	PK	
		H	323.9	47.2	-7.8	39.4	46	-6.6	QP	
		H	953.4	31.1	2.1	33.3	46	-12.7	QP	
		V	9891.0	36.7	10.5	47.2	54(note)	-6.8	PK	
		V	4876.0	44.9	0.2	45.2	54(note)	-8.8	PK	
		V	7315.5	47.9	6.8	54.7	74	-19.3	PK	
		V	7315.5	41.5	6.8	48.2	54	-5.8	AV	
11	H	24000.0	59.1	-8.9	50.2	54(note)	-3.8	PK		
	V	2461.3	78.9	31.0	110.0	Fundamental	/	PK		
	H	323.4	47.7	-7.7	40.0	46	-6.0	QP		
	H	959.7	35.8	1.8	37.7	46	-8.3	QP		
	V	10001.5	37.8	10.4	48.2	54(note)	-5.8	PK		
	V	4918.5	47.8	0.5	48.2	54(note)	-5.8	PK		
	V	7392.0	51.1	6.7	57.8	74	-16.2	PK		
V	7392.0	43.7	6.7	50.4	54	-3.6	AV			
H	24000.0	59.1	-8.9	50.2	54(note)	-3.8	PK			

802.11n(40MHz)

Chain	CH	Antenna	Frequency (MHz)	Reading Level (dBuV/m)	Factor (dB)	Measure Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
Ant 0	3	V	2426.7	73.9	30.8	104.7	Fundamental	/	PK
		H	318.1	48.1	-7.4	40.7	46	-5.3	QP
		H	951.5	30.5	1.7	32.2	46	-13.8	QP
		V	10001.5	38.4	10.4	48.8	54(note)	-5.2	PK
		V	5003.5	45.2	0.4	45.5	54(note)	-8.5	PK
		V	7502.5	41.3	6.8	48.0	54(note)	-6.0	PK
		H	24000.0	59.1	-8.9	50.2	54(note)	-3.8	PK
	6	V	2437.0	75.1	30.4	105.5	Fundamental	/	PK
		H	325.9	47.2	-8.0	39.2	46	-6.8	QP
		H	959.7	33.6	1.8	35.4	46	-10.6	QP
		V	10001.5	38.7	10.4	49.2	54(note)	-4.8	PK
		V	5003.5	43.5	0.4	43.9	54(note)	-10.1	PK
		V	7502.5	43.2	6.8	50.0	54(note)	-4.0	PK
		H	24000.0	59.1	-8.9	50.2	54(note)	-3.8	PK
	9	V	2456.3	74.4	31.0	105.4	Fundamental	/	PK
		H	320.0	49.2	-7.6	41.6	46	-4.4	QP
		H	959.7	35.1	1.8	36.9	46	-9.1	QP
		V	10001.5	39.1	10.4	49.5	54(note)	-4.5	PK
		V	5003.5	42.7	0.4	43.1	54(note)	-10.9	PK
		V	7502.5	42.7	6.8	49.5	54(note)	-4.5	PK
		H	24000.0	59.1	-8.9	50.2	54(note)	-3.8	PK
Ant 1	3	V	2427.4	73.9	30.8	104.7	Fundamental	/	PK
		H	318.1	47.8	-7.4	40.4	46	-5.6	QP
		H	951.5	30.9	1.7	32.6	46	-13.4	QP
		V	10001.5	40.0	10.4	50.4	54(note)	-3.6	PK
		V	5003.5	42.9	0.4	43.3	54(note)	-10.7	PK
		V	7502.5	42.4	6.8	49.1	54(note)	-4.9	PK
		H	24000.0	59.1	-8.9	50.2	54(note)	-3.8	PK
	6	V	2437.0	74.3	30.6	104.9	Fundamental	/	PK
		H	325.9	47.7	-8.0	39.7	46	-6.3	QP
		H	959.7	34.0	1.8	35.8	46	-10.2	QP
		V	10001.5	38.6	10.4	49.0	54(note)	-5.0	PK
		V	5003.5	43.1	0.4	43.5	54(note)	-10.5	PK

		V	7502.5	43.1	6.8	49.9	54(note)	-4.1	PK	
		H	24000.0	59.1	-8.9	50.2	54(note)	-3.8	PK	
	9	V	2456.7	74.4	31.0	105.4	Fundamental	/	PK	
		H	320.0	48.8	-7.6	41.2	46	-4.8	QP	
		H	959.7	34.5	1.8	36.3	46	-9.7	QP	
		V	10001.5	38.6	10.4	49.0	54(note)	-5.0	PK	
		V	5003.5	43.0	0.4	43.4	54(note)	-10.6	PK	
		V	7502.5	41.9	6.8	48.7	54(note)	-5.3	PK	
		H	24000.0	59.1	-8.9	50.2	54(note)	-3.8	PK	
	Ant 0+1	3	V	2420.6	72.2	30.8	103.1	Fundamental	/	PK
			H	320.5	48.6	-7.2	41.3	46	-4.7	QP
			H	956.4	33.1	1.9	35.0	46	-11.0	QP
			V	10001.5	40.1	10.4	50.5	54(note)	-3.5	PK
			V	5003.5	44.3	0.4	44.7	54(note)	-9.3	PK
V			7502.5	43.6	6.8	50.4	54(note)	-3.6	PK	
H			24000.0	59.1	-8.9	50.2	54(note)	-3.8	PK	
6		V	2437.0	74.1	30.5	104.6	Fundamental	/	PK	
		H	318.6	48.5	-7.5	41.1	46	-4.9	QP	
		H	960.2	35.5	1.9	37.4	54	-16.6	QP	
		V	10001.5	39.8	10.4	50.2	54(note)	-3.8	PK	
		V	5003.5	43.6	0.4	44.0	54(note)	-10.0	PK	
		V	7502.5	43.8	6.8	50.5	54(note)	-3.5	PK	
		H	24000.0	59.1	-8.9	50.2	54(note)	-3.8	PK	
9	V	2453.0	73.8	31.0	104.8	Fundamental	/	PK		
	H	319.1	48.6	-7.6	41.1	46	-4.9	QP		
	H	946.7	31.0	1.4	32.5	46	-13.5	QP		
	V	10001.5	39.2	10.4	49.6	54(note)	-4.4	PK		
	V	5003.5	44.2	0.4	44.6	54(note)	-9.4	PK		
	V	7502.5	42.5	6.8	49.3	54(note)	-4.7	PK		
	H	24000.0	59.1	-8.9	50.2	54(note)	-3.8	PK		

Note : This limit applies for using average detector, if the test result on peak is lower than average limit, then average measurement needn't be performed.

5. RF Antenna Conducted Spurious

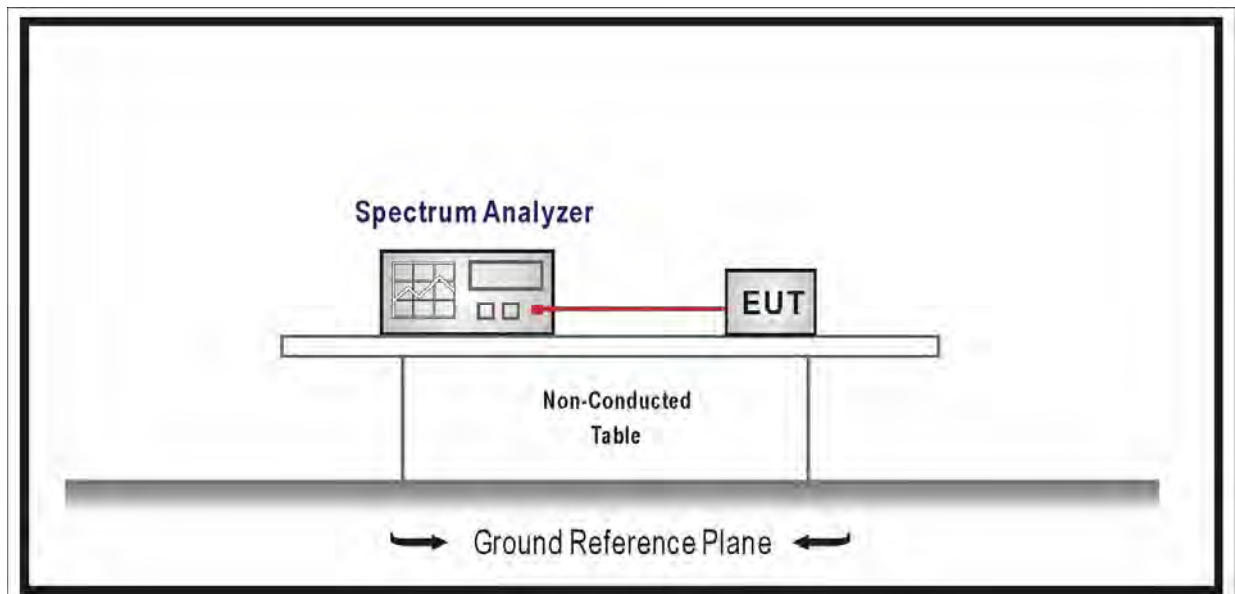
5.1. Test Equipment

RF Antenna Conducted Spurious / TR-8

Instrument	Manufacturer	Type No.	Serial No.	Cali. Due Date
Spectrum Analyzer	Agilent	E4446A	MY45300103	2011.04.30
Temperature/Humidity Meter	zhicheng	ZC1-2	TR8-TH	2011.01.14

Note: All equipments are calibrated with traceable calibrations. Each calibration is traceable to the national or international standards.

5.2. Test Setup



5.3. Limit

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 either an RF conducted or a radiated measurement.

5.4. Test Procedure

The EUT was tested according to ANSI C63.10: 2009 for compliance to FCC 47CFR 15.247 requirements.

Set RBW = 100 kHz, Set VBW > RBW, scan up through 10th harmonic.

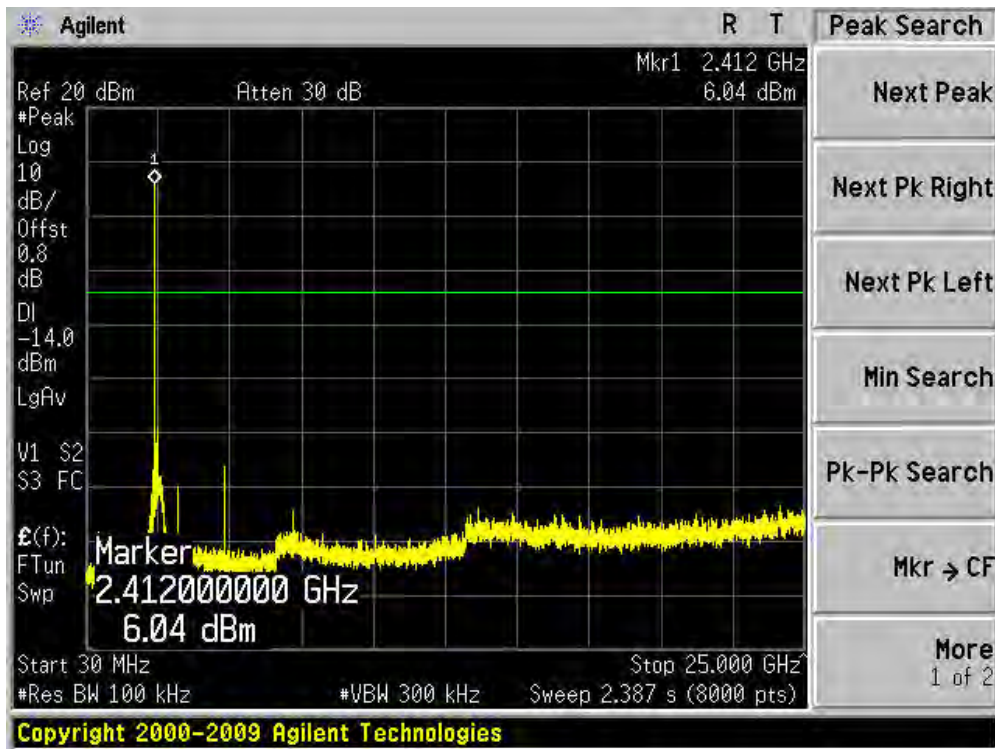
5.5. Uncertainty

The measurement uncertainty is defined as ± 1.27 dB

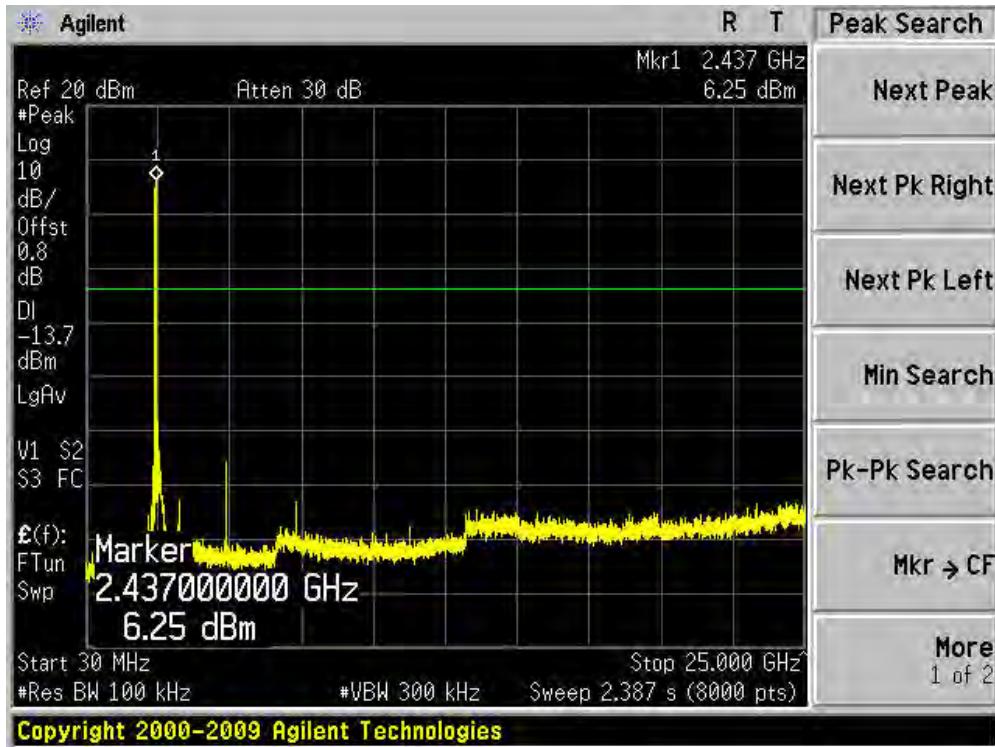
5.6. Test Result

Product	:	ADSL2+ 4-port Wireless Router
Test Item	:	RF Antenna Conducted Spurious
Test Site	:	TR-8
Test Mode	:	Mode 1: Transmit by 802.11b (Ant 0)

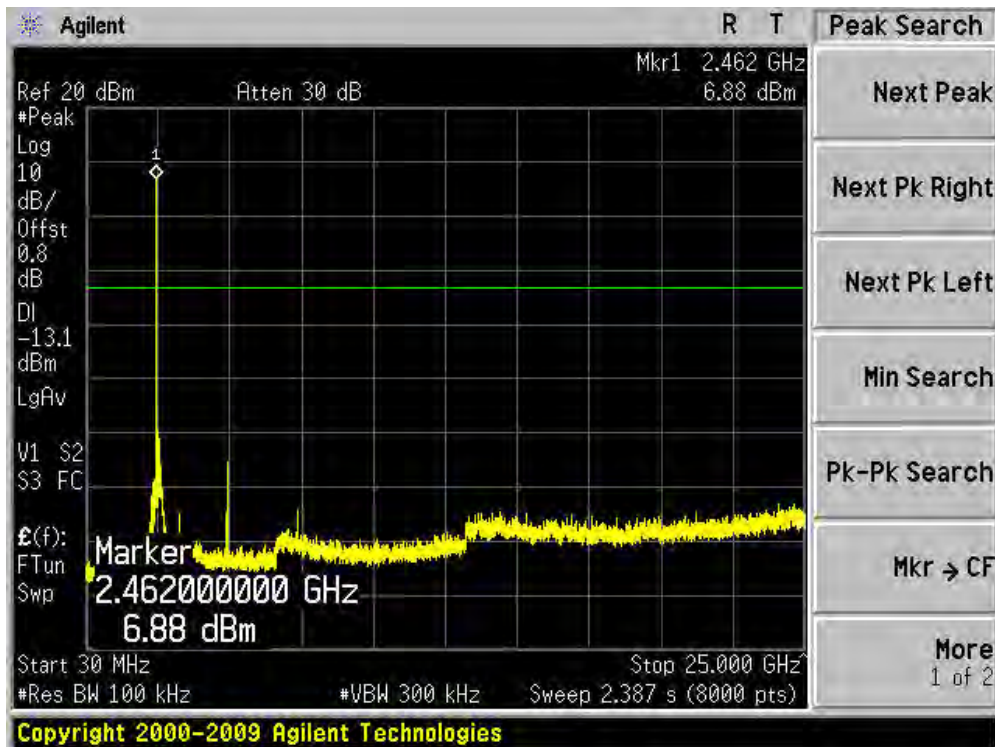
Channel 01 (2412MHz)



Channel 06 (2437MHz)

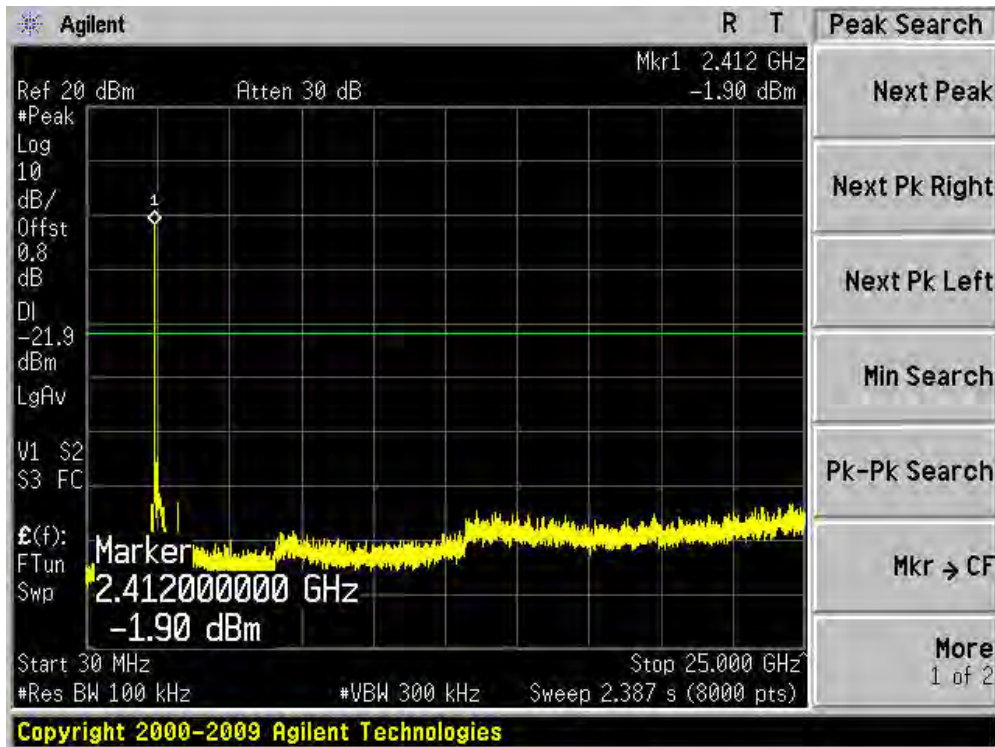


Channel 11 (2462MHz)

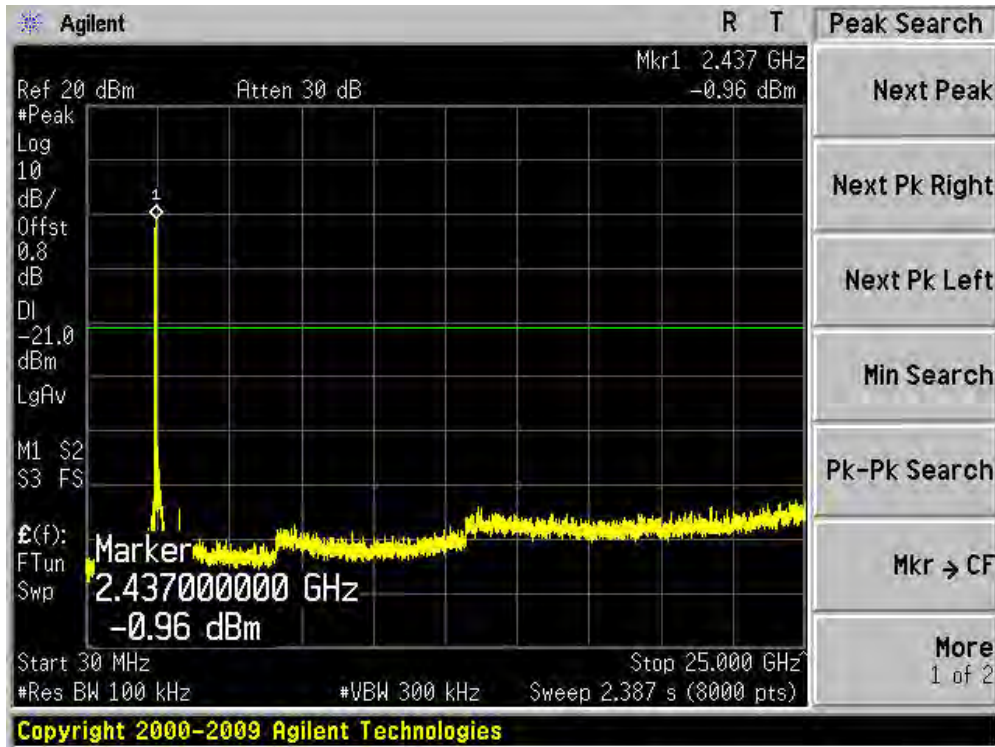


Product	:	ADSL2+ 4-port Wireless Router
Test Item	:	RF Antenna Conducted Spurious
Test Site	:	TR-8
Test Mode	:	Mode 2: Transmit by 802.11g (Ant 0)

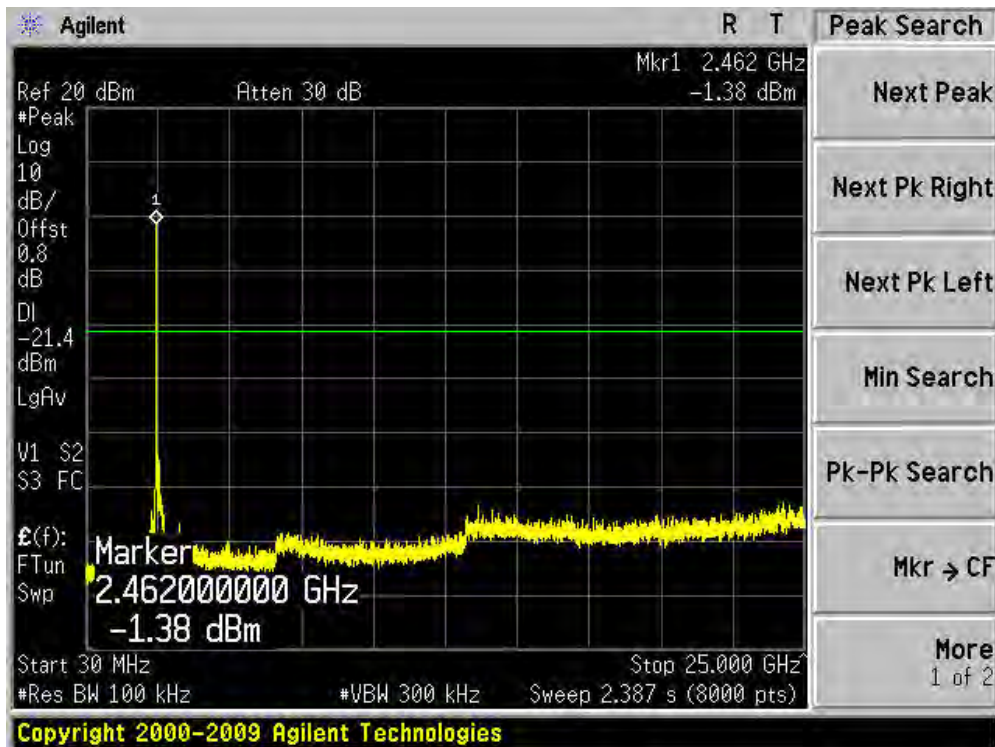
Channel 01 (2412MHz)



Channel 06 (2437MHz)

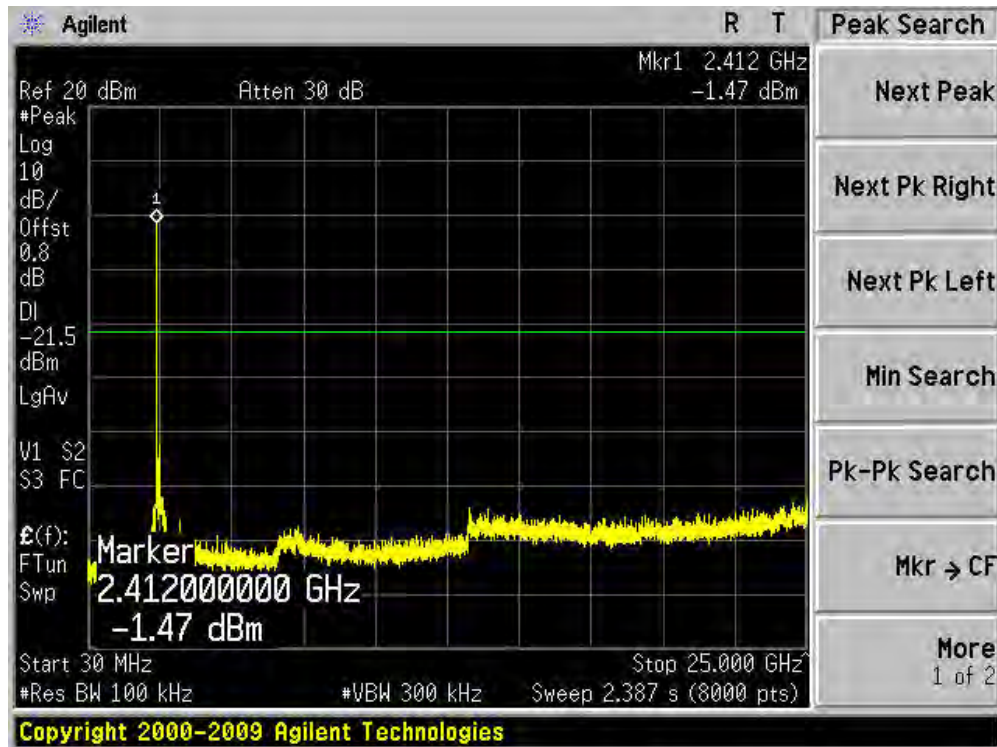


Channel 11 (2462MHz)

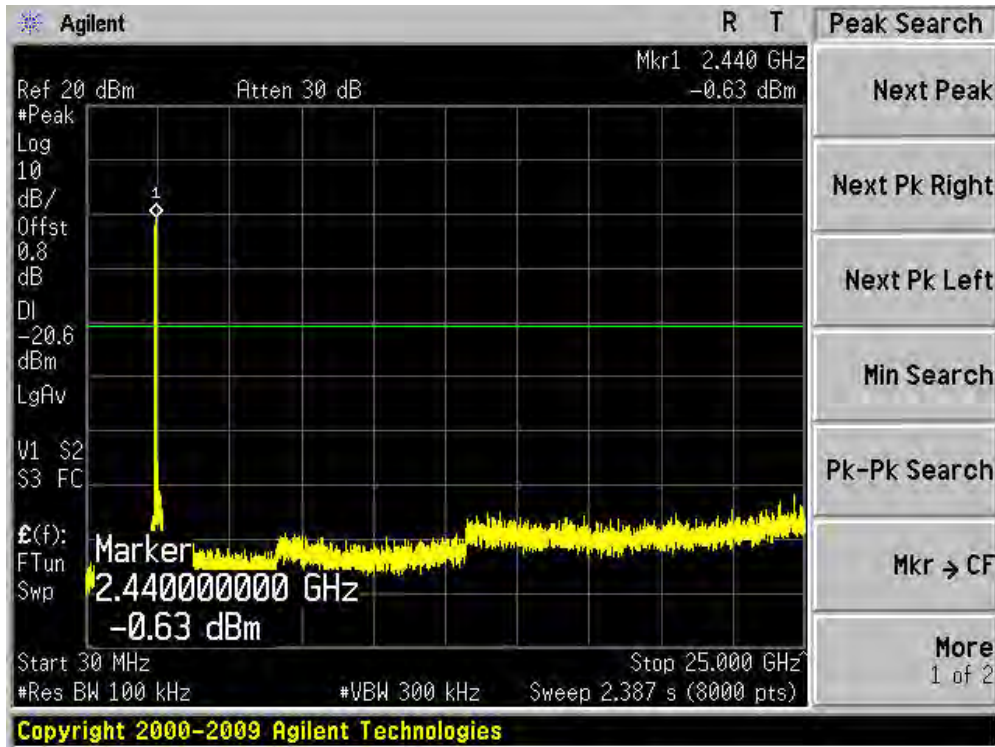


Product	: ADSL2+ 4-port Wireless Router
Test Item	: RF Antenna Conducted Spurious
Test Site	: TR-8
Test Mode	: Mode 3: Transmit by 802.11n (20MHz)(Ant 0)

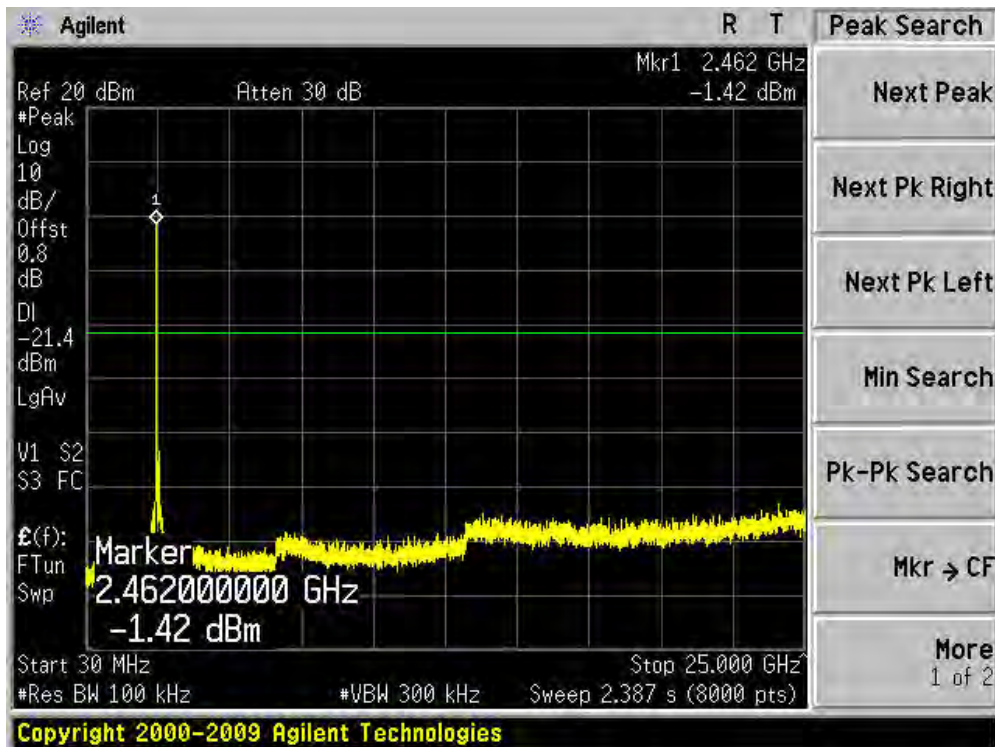
Channel 01 (2412MHz)



Channel 06 (2437MHz)

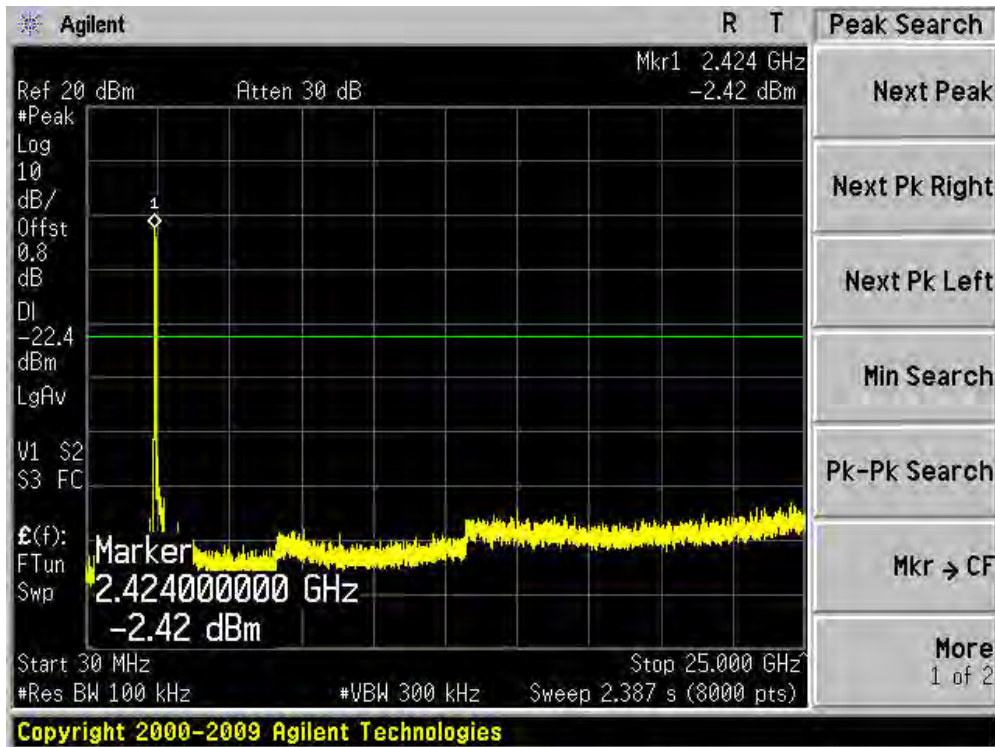


Channel 11 (2462MHz)

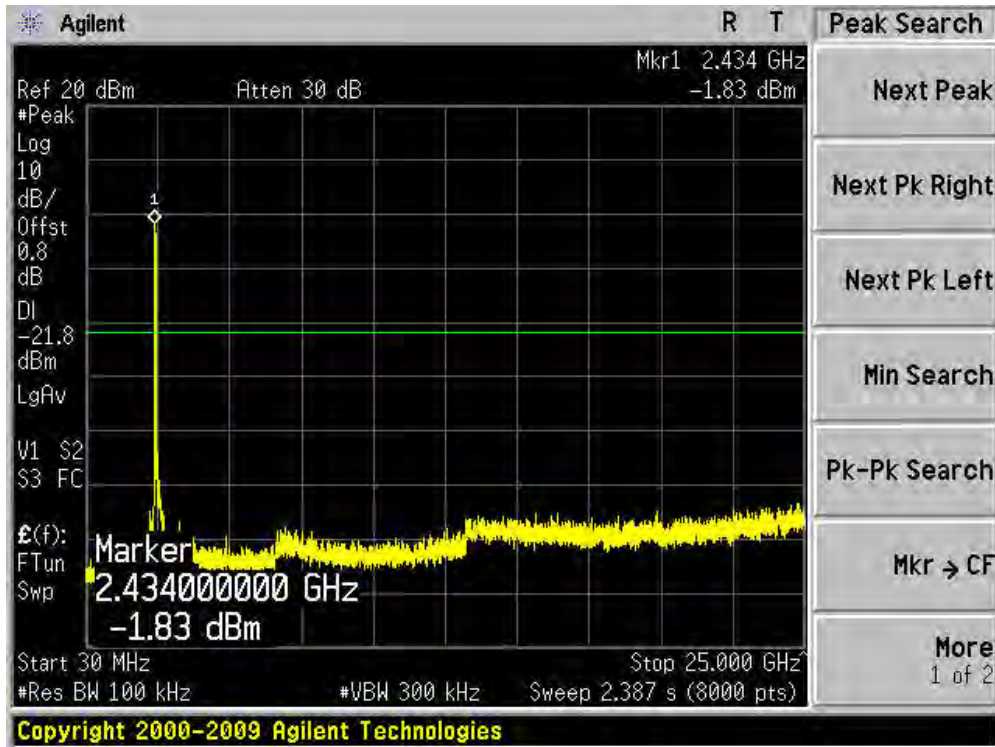


Product	: ADSL2+ 4-port Wireless Router
Test Item	: RF Antenna Conducted Spurious
Test Site	: TR-8
Test Mode	: Mode 4: Transmit by 802.11n (40MHz) (Ant 0)

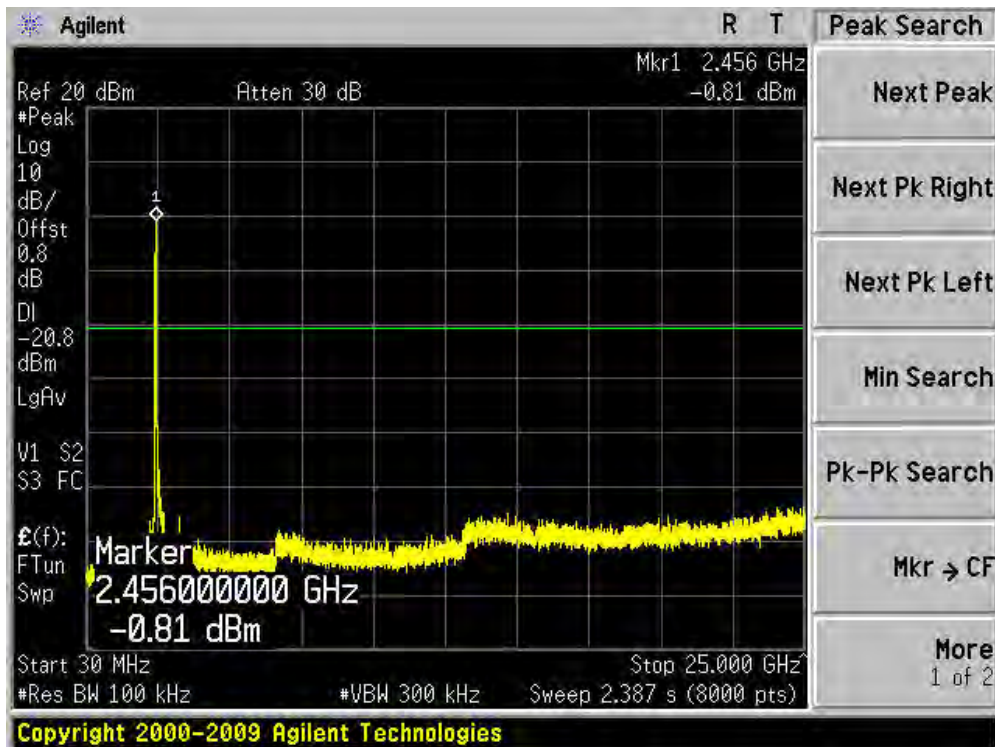
Channel 03 (2422MHz)



Channel 06 (2437MHz)

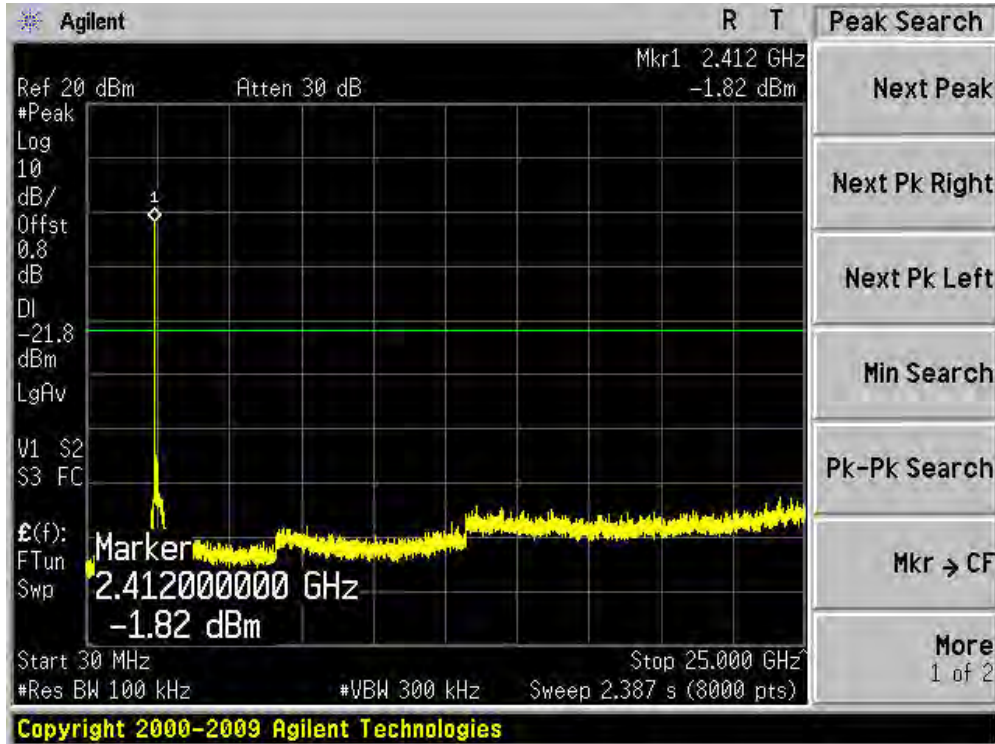


Channel 09 (2452MHz)

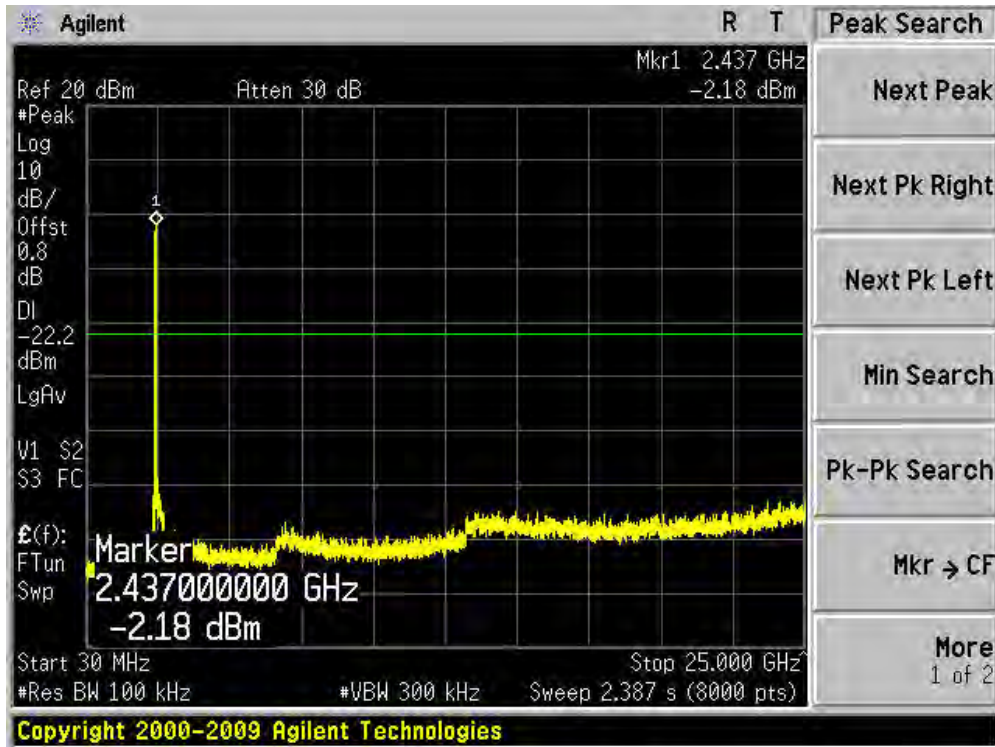


Product	:	ADSL2+ 4-port Wireless Router
Test Item	:	RF Antenna Conducted Spurious
Test Site	:	TR-8
Test Mode	:	Mode 2: Transmit by 802.11g (Ant 1)

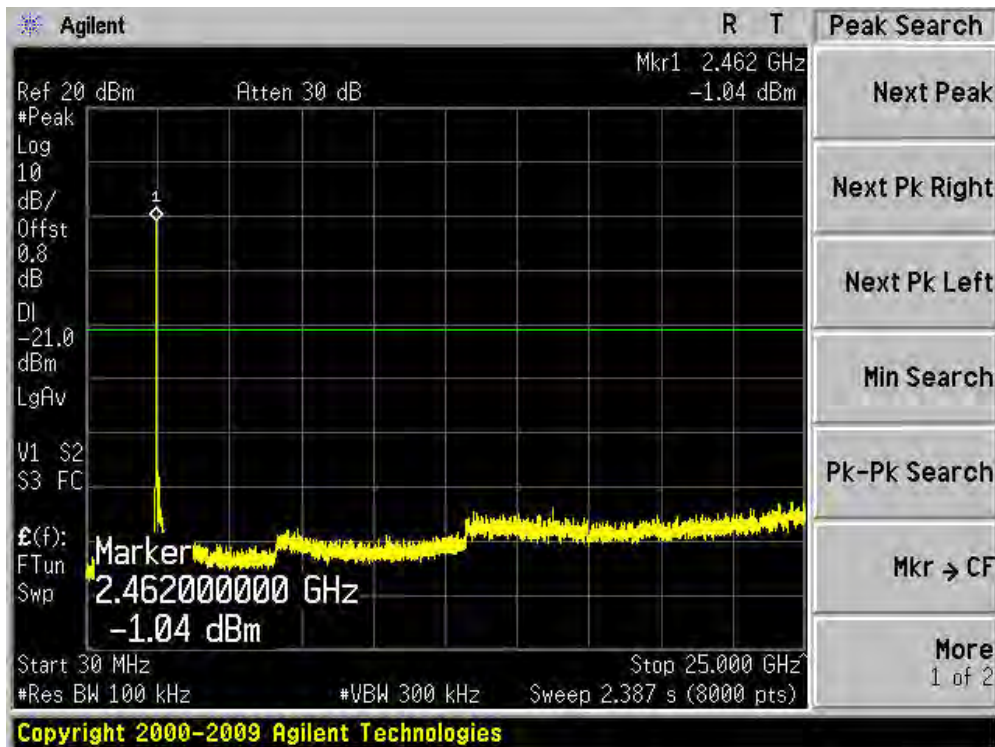
Channel 01 (2412MHz)



Channel 06 (2437MHz)

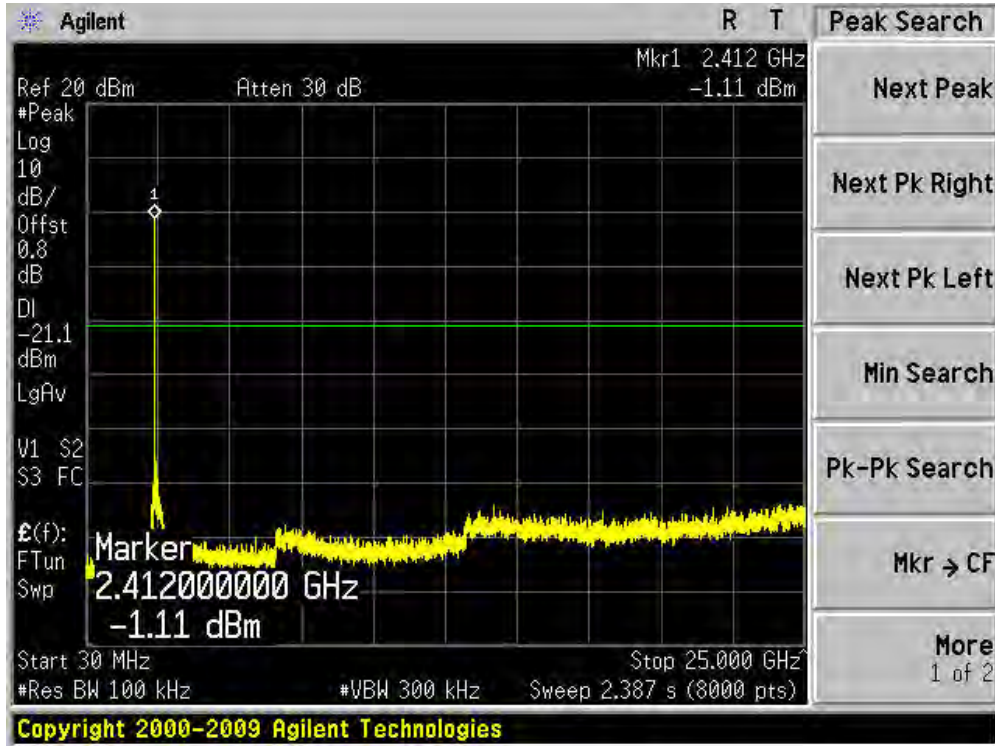


Channel 11 (2462MHz)

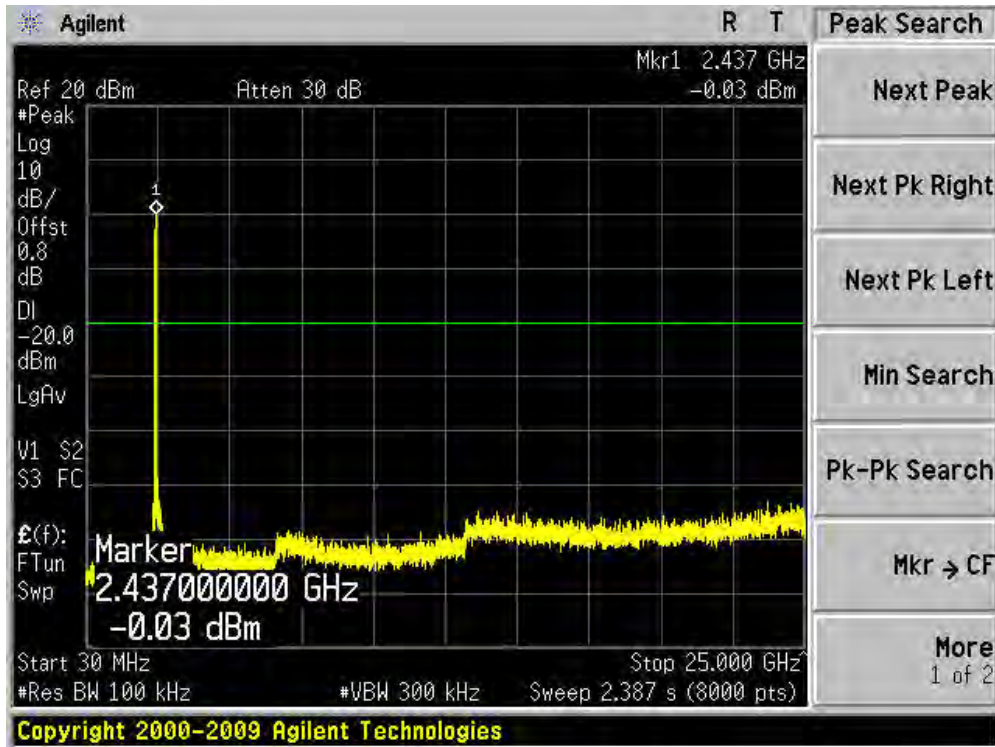


Product	: ADSL2+ 4-port Wireless Router
Test Item	: RF Antenna Conducted Spurious
Test Site	: TR-8
Test Mode	: Mode 3: Transmit by 802.11n (20MHz) (Ant 1)

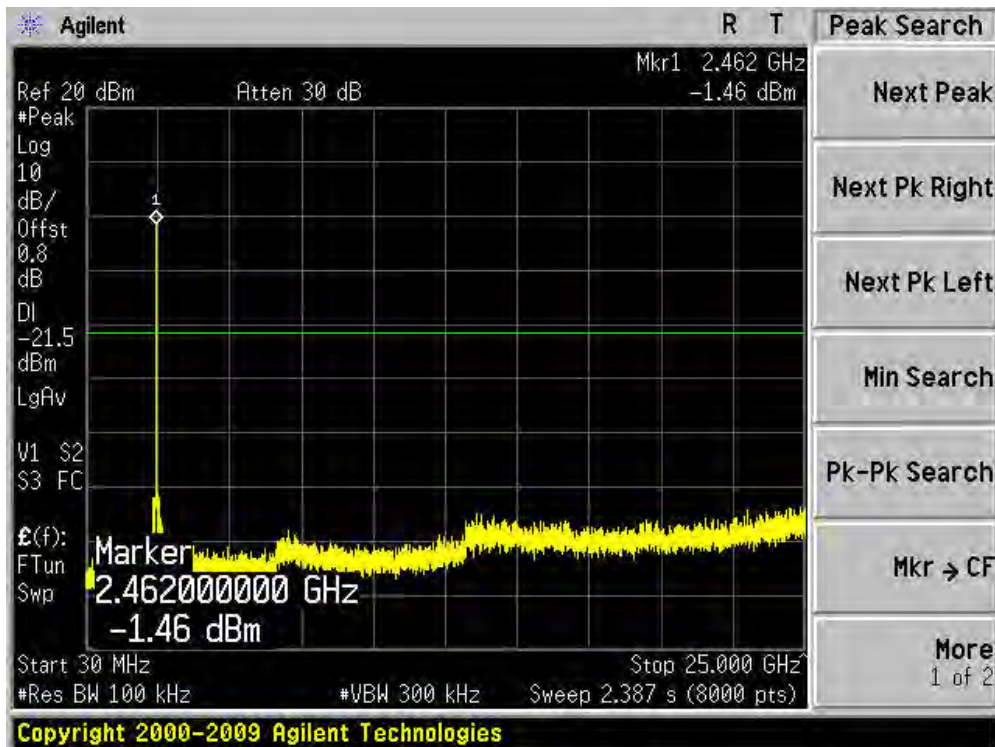
Channel 01 (2412MHz)



Channel 06 (2437MHz)

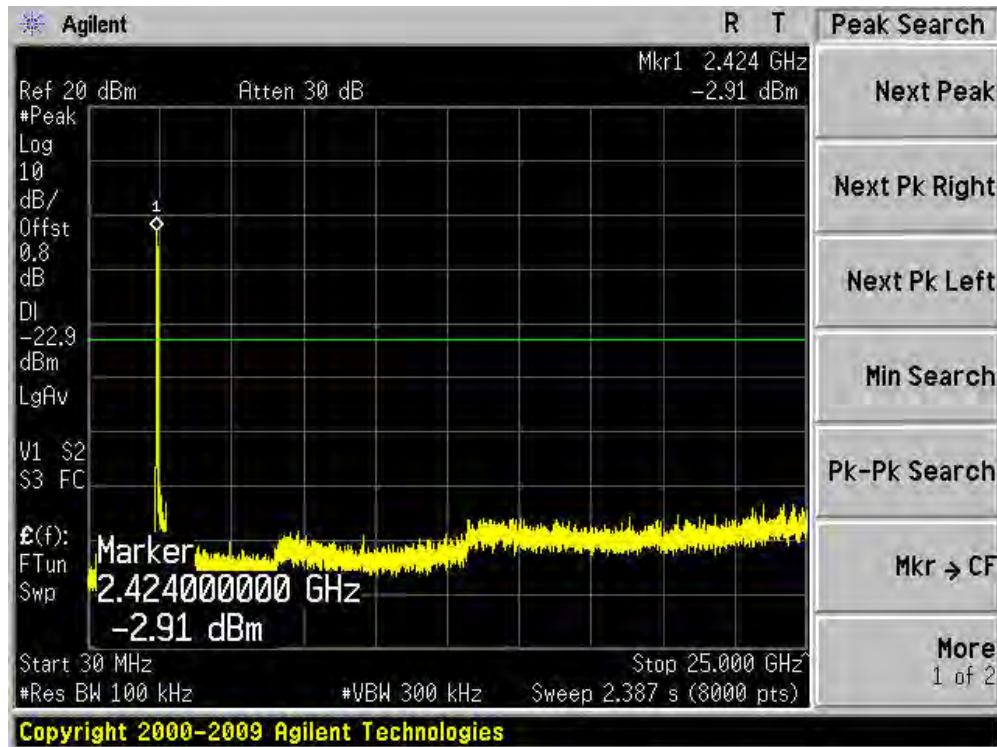


Channel 11 (2462MHz)

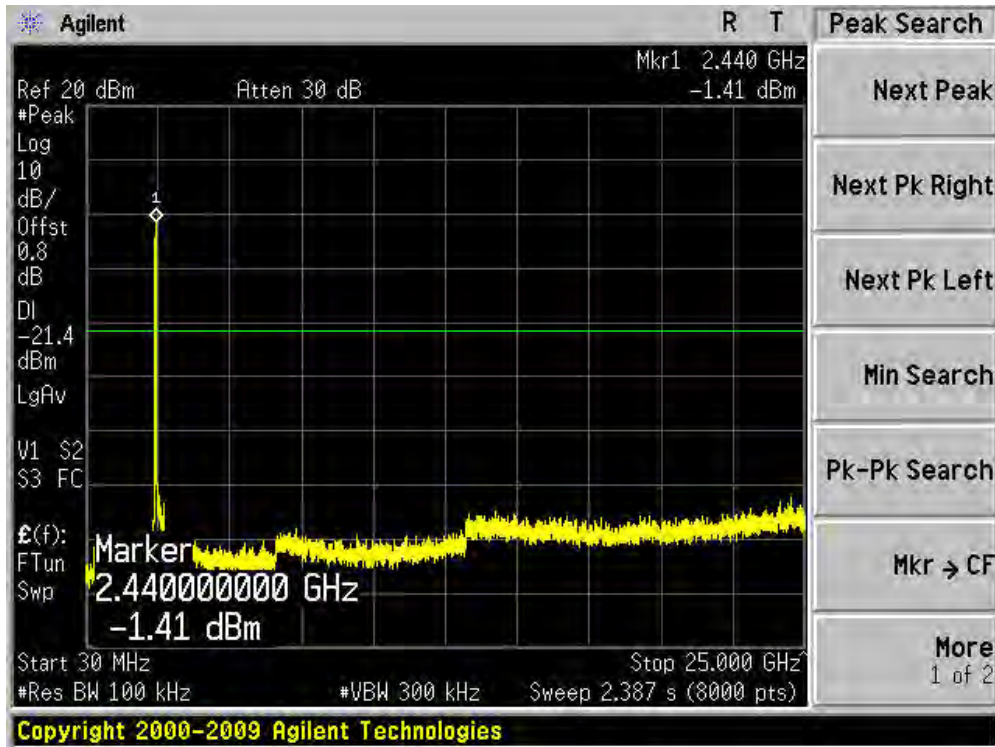


Product	:	ADSL2+ 4-port Wireless Router
Test Item	:	RF Antenna Conducted Spurious
Test Site	:	TR-8
Test Mode	:	Mode 4: Transmit by 802.11n (40MHz) (Ant 1)

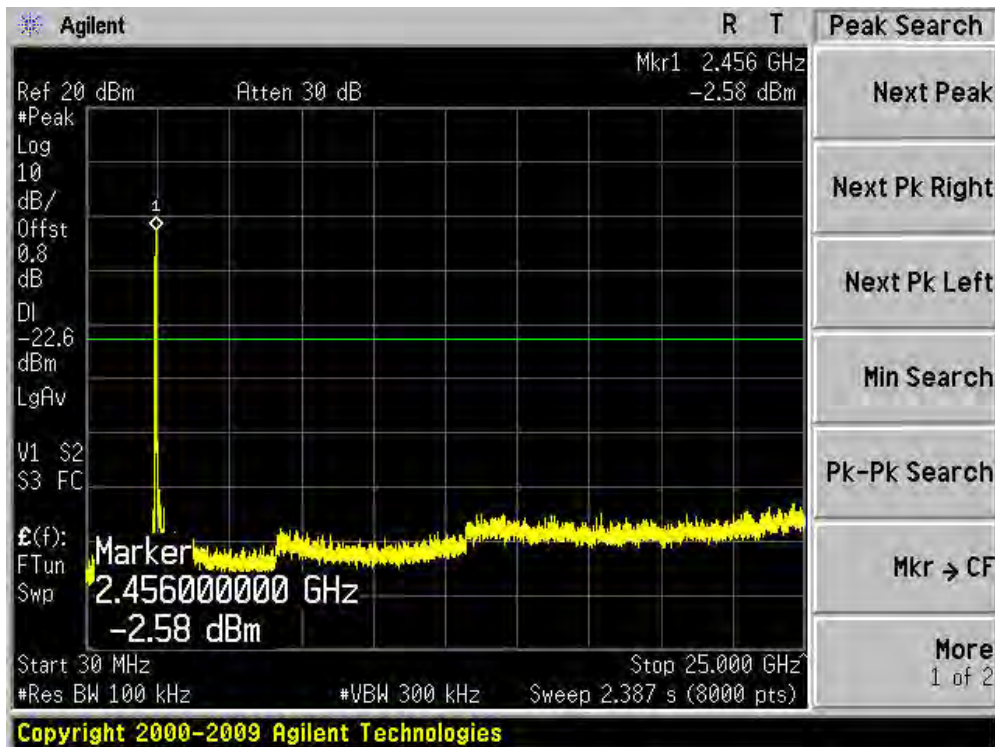
Channel 03 (2422MHz)



Channel 06 (2437MHz)



Channel 09 (2452MHz)



6. Radiated Emission Band Edge

6.1. Test Equipment

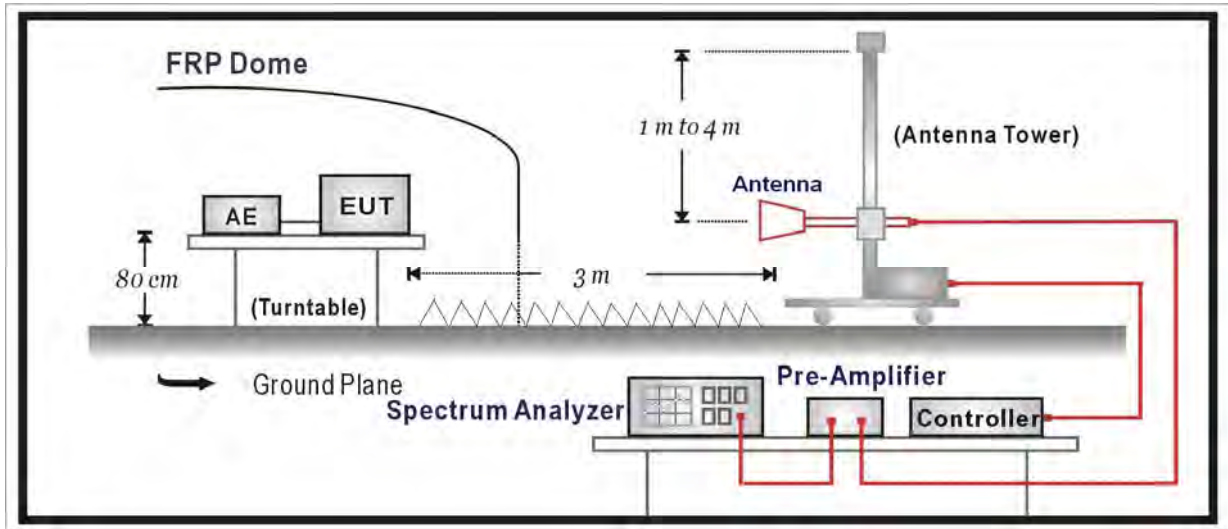
Radiated Emission Band Edge / AC-5

Instrument	Manufacturer	Type No.	Serial No.	Cali. Due Date
Spectrum Analyzer	Agilent	N9010A	MY48030494	2011.04.23
EMI Test Receiver	R&S	ESCI	100573	2011.04.23
Preamplifier	Quietek	AP-025C	CHM-0511006	2011.05.05
Preamplifier	Quietek	AP-180C	CHM-0602013	2011.05.05
Bilog Type Antenna	Schaffner	CBL6112B	2932	2011.10.18
Broad-Band Horn Antenna	Schwarzbeck	BBHA9120D	499	2011.06.11
50ohm Coaxial Switch	Anritsu	MP59B	6200464462	2011.05.05
Temperature/Humidity Meter	zhicheng	ZC1-2	AC5-TH	2011.01.14

Note 1: All equipments are calibrated with traceable calibrations. Each calibration is traceable to the national or international standards.

Note 2: The test instruments marked with "X" are used to measure the final test results.

6.2. Test Setup



6.3. Limit

Radiated emissions which fall in the restricted bands, as defined in Section 15.205(a) of FCC part 15, must also comply with the radiated emission limits specified in Section 15.209(a) (see Section 15.205(c)).

6.4. Test Procedure

The EUT was setup according to ANSI C63.4: 2009 and tested according to ANSI C63.10: 2009 for compliance to FCC 47CFR 15.247 requirements.

The EUT is placed on a turn table which is 0.8 meter above ground. The turn table is rotated 360 degrees to determine the position of the maximum emission level. The EUT was positioned such that the distance from antenna to the EUT was 3 meters.

The antenna is scanned from 1 meter to 4 meters to find out the maximum emission level. This is repeated for both horizontal and vertical polarization of the antenna. In order to find the maximum emission, all of the interface cables were manipulated according to ANSI C63.4: 2009 on radiated measurement.

6.5. Uncertainty

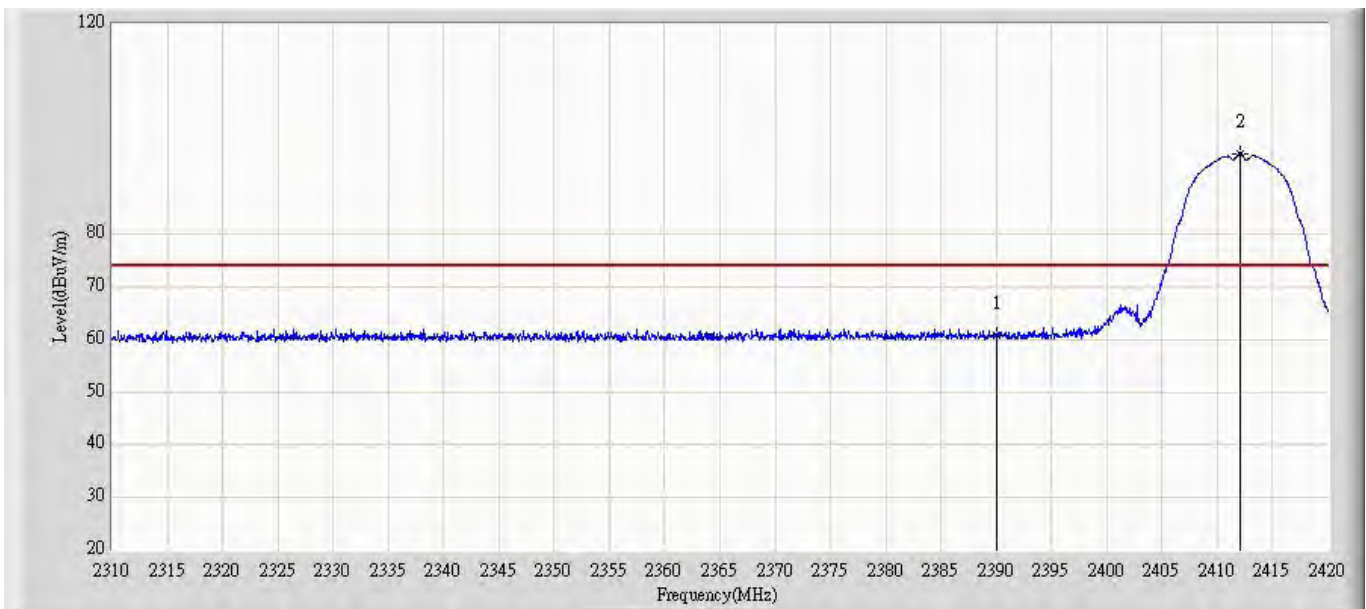
The measurement uncertainty above 1G is defined as ± 3.9 dB

6.6. Test Result

Peak detector: RBW = 1MHz, VBW = 3MHz, sweep time = 200ms;

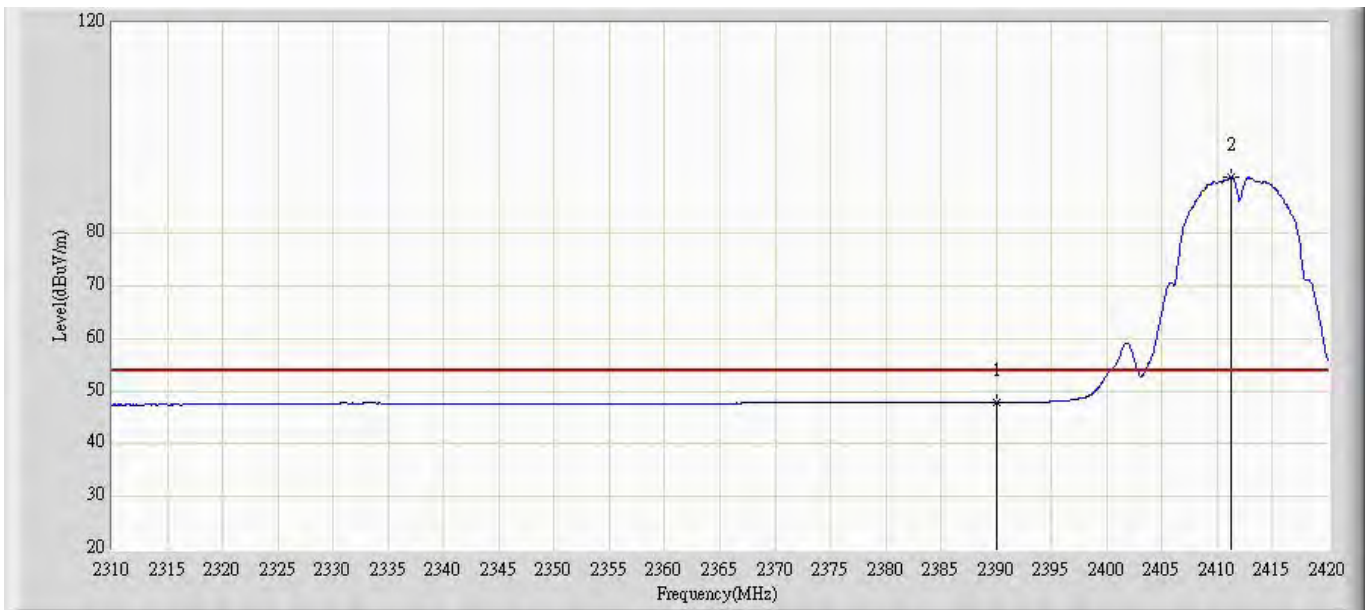
Average detector: RBW = 1MHz, VBW = 10Hz, sweep time = auto.

Profile: 10CS018R	Page No.: 9
Engineer: Steven	
Site: AC5	Time: 2010/12/13 - 10:46
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_499(1-18GHz)	Polarity: Horizontal
EUT: ADSL2+4-port Wireless Router	Power: AC 120V/60Hz
Note: Mode 1:Transmit at 2412 by 802.11b ant 0	



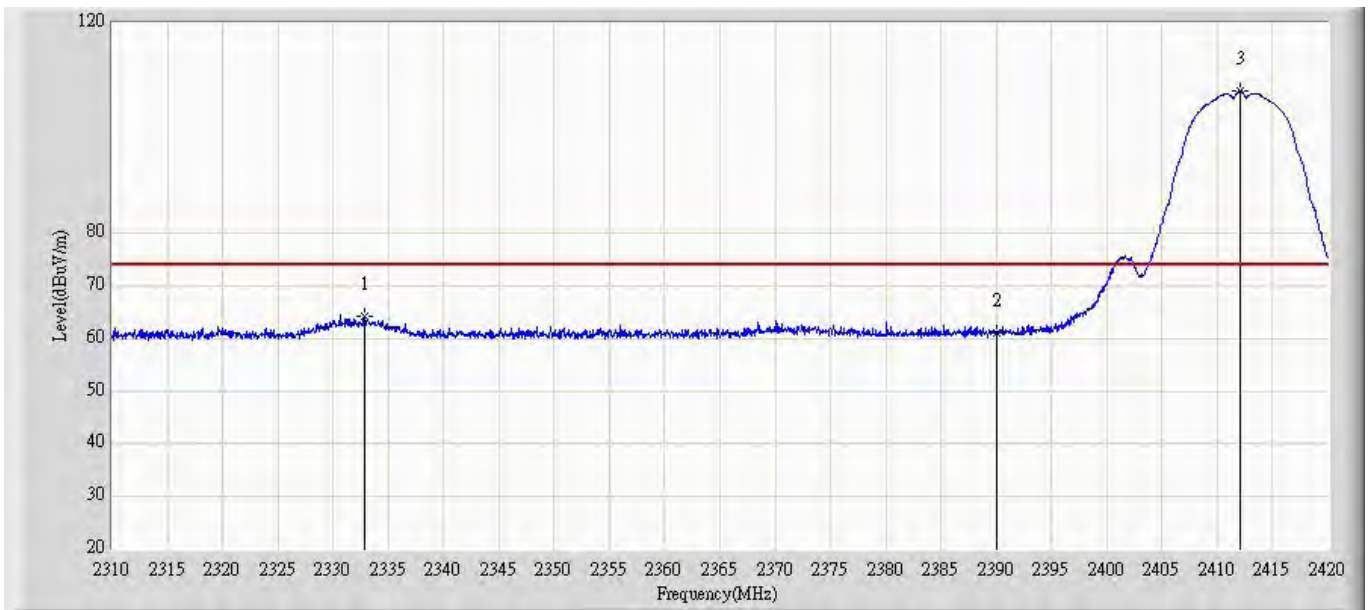
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		2390.000	60.739	29.827	-13.261	74.000	30.911	PK
2	*	2412.025	95.413	64.539	N/A	N/A	30.873	PK

Profile: 10CS018R	Page No.: 10
Engineer: Steven	
Site: AC5	Time: 2010/12/13 - 10:49
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_499(1-18GHz)	Polarity: Horizontal
EUT: ADSL2+4-port Wireless Router	Power: AC 120V/60Hz
Note: Mode 1:Transmit at 2412 by 802.11b ant 0	



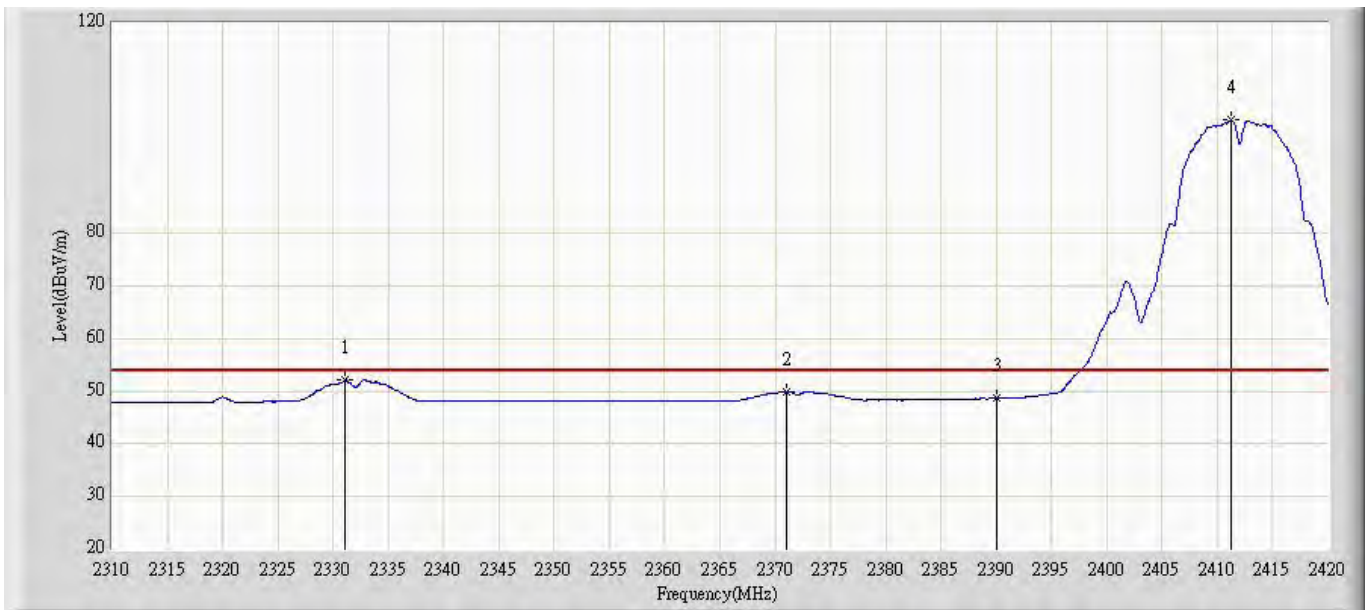
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		2390.000	47.900	16.988	-6.100	54.000	30.911	AV
2	*	2411.310	90.728	59.852	N/A	N/A	30.876	AV

Profile: 10CS018R	Page No.: 11
Engineer: Steven	
Site: AC5	Time: 2010/12/13 - 11:33
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_499(1-18GHz)	Polarity: Vertical
EUT: ADSL2+4-port Wireless Router	Power: AC 120V/60Hz
Note: Mode 1:Transmit at 2412 by 802.11b ant 0	



No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		2332.880	64.172	33.204	-9.828	74.000	30.969	PK
2		2390.000	61.153	30.241	-12.847	74.000	30.911	PK
3	*	2412.025	107.060	76.186	N/A	N/A	30.873	PK

Profile: 10CS018R	Page No.: 12
Engineer: Steven	
Site: AC5	Time: 2010/12/13 - 11:35
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_499(1-18GHz)	Polarity: Vertical
EUT: ADSL2+4-port Wireless Router	Power: AC 120V/60Hz
Note: Mode 1:Transmit at 2412 by 802.11b ant 0	



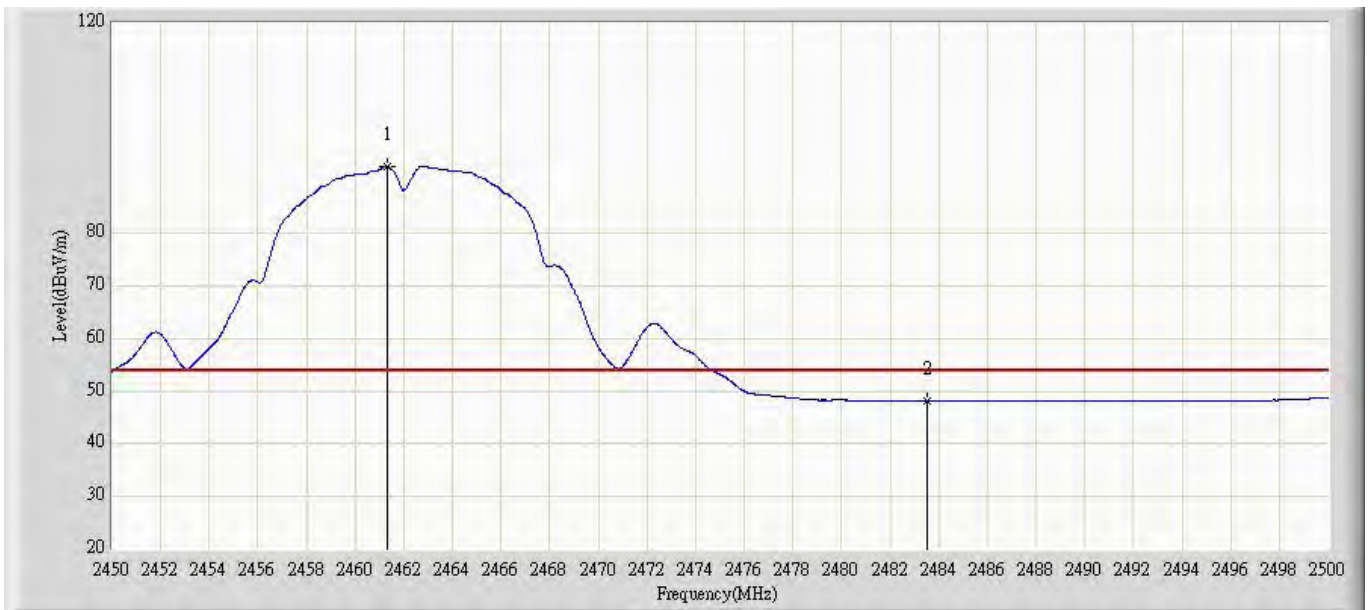
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		2331.065	52.165	21.193	-1.835	54.000	30.972	AV
2		2371.050	49.930	19.036	-4.070	54.000	30.895	AV
3		2390.000	48.626	17.714	-5.374	54.000	30.911	AV
4	*	2411.310	101.495	70.619	N/A	N/A	30.876	AV

Profile: 10CS018R	Page No.: 13
Engineer: Steven	
Site: AC5	Time: 2010/12/13 - 11:37
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_499(1-18GHz)	Polarity: Horizontal
EUT: ADSL2+4-port Wireless Router	Power: AC 120V/60Hz
Note: Mode 1:Transmit at 2462 by 802.11b ant 0	



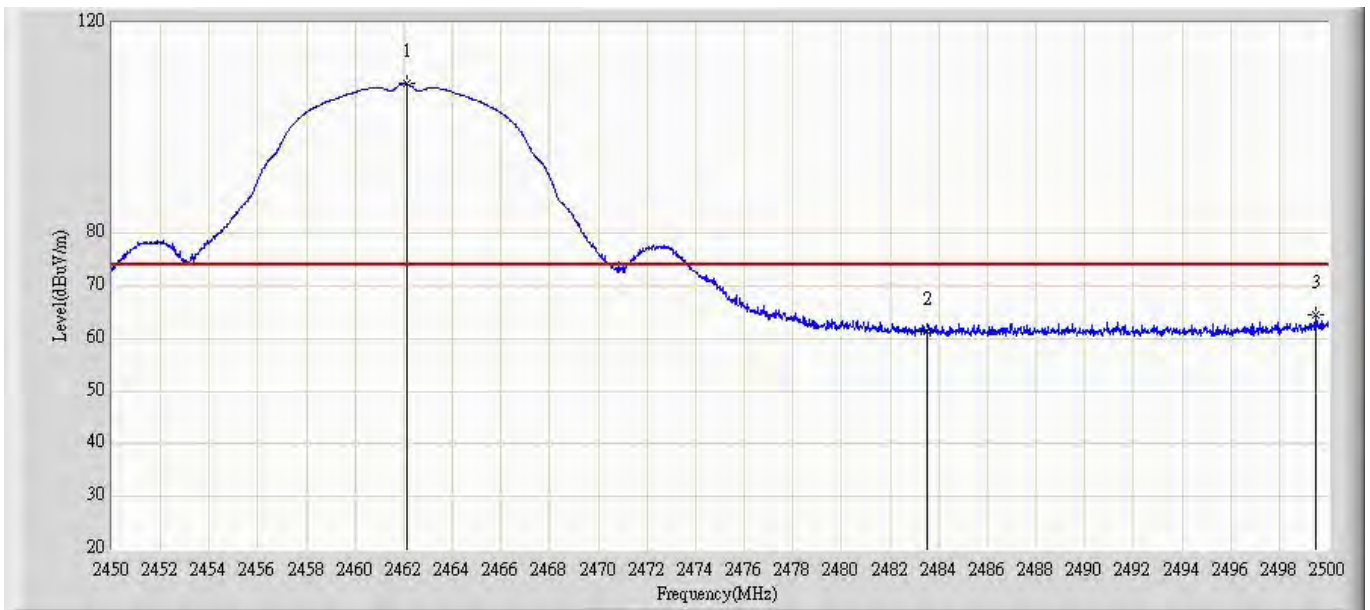
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2462.100	97.515	66.474	N/A	N/A	31.041	PK
2		2483.500	60.921	29.987	-13.079	74.000	30.934	PK

Profile: 10CS018R	Page No.: 14
Engineer: Steven	
Site: AC5	Time: 2010/12/13 - 11:42
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_499(1-18GHz)	Polarity: Horizontal
EUT: ADSL2+4-port Wireless Router	Power: AC 120V/60Hz
Note: Mode 1:Transmit at 2462 by 802.11b ant 0	



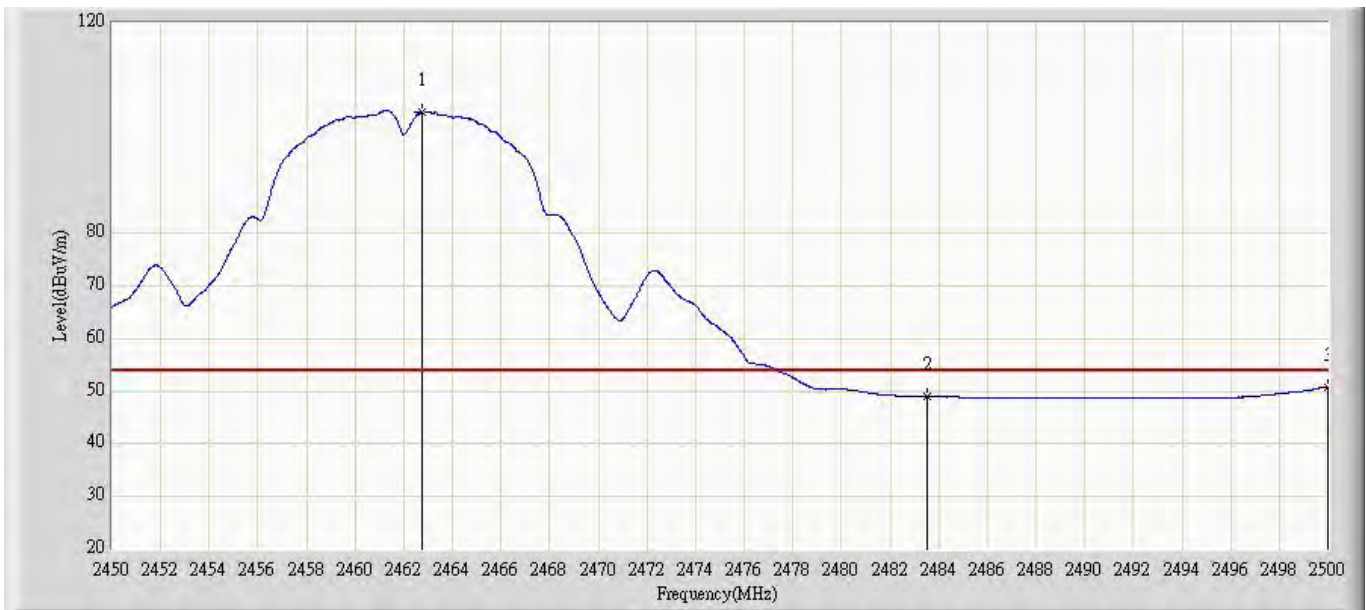
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2461.325	92.708	61.672	N/A	N/A	31.036	AV
2		2483.500	48.091	17.157	-5.909	54.000	30.934	AV

Profile: 10CS018R	Page No.: 15
Engineer: Steven	
Site: AC5	Time: 2010/12/13 - 11:44
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_499(1-18GHz)	Polarity: Vertical
EUT: ADSL2+4-port Wireless Router	Power: AC 120V/60Hz
Note: Mode 1:Transmit at 2462 by 802.11b ant 0	



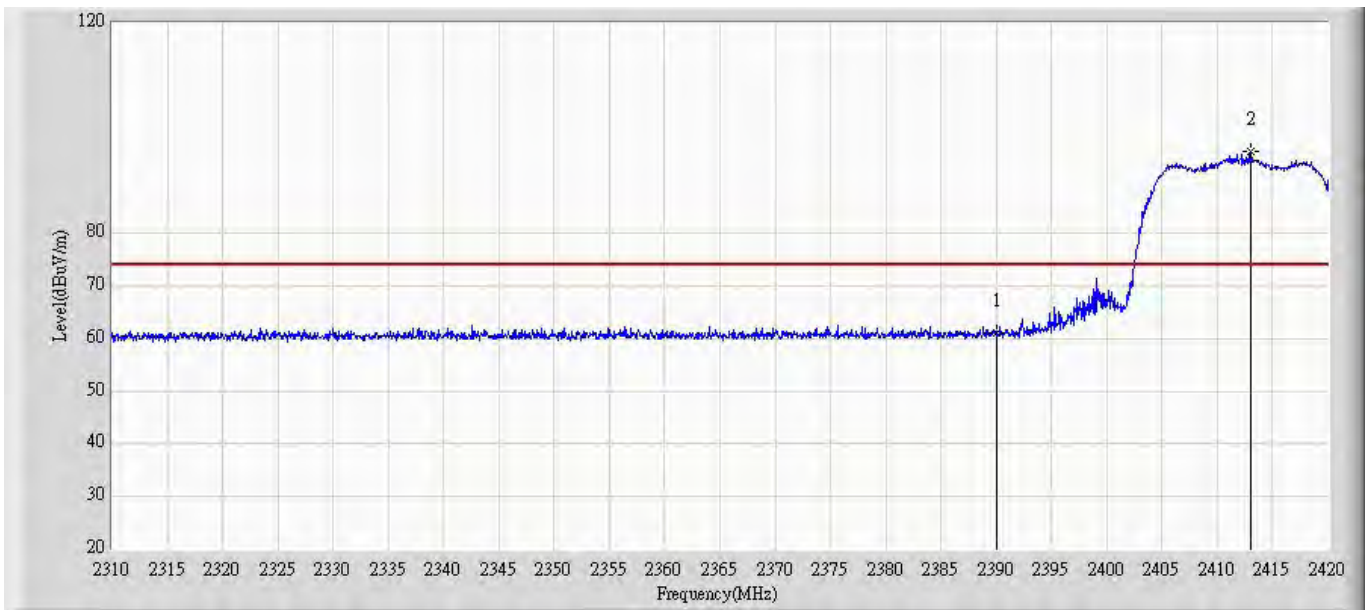
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2462.100	108.448	77.407	N/A	N/A	31.041	PK
2		2483.500	61.491	30.557	-12.509	74.000	30.934	PK
3		2499.525	64.448	33.584	-9.552	74.000	30.864	PK

Profile: 10CS018R	Page No.: 16
Engineer: Steven	
Site: AC5	Time: 2010/12/13 - 11:45
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_499(1-18GHz)	Polarity: Vertical
EUT: ADSL2+4-port Wireless Router	Power: AC 120V/60Hz
Note: Mode 1:Transmit at 2462 by 802.11b ant 0	



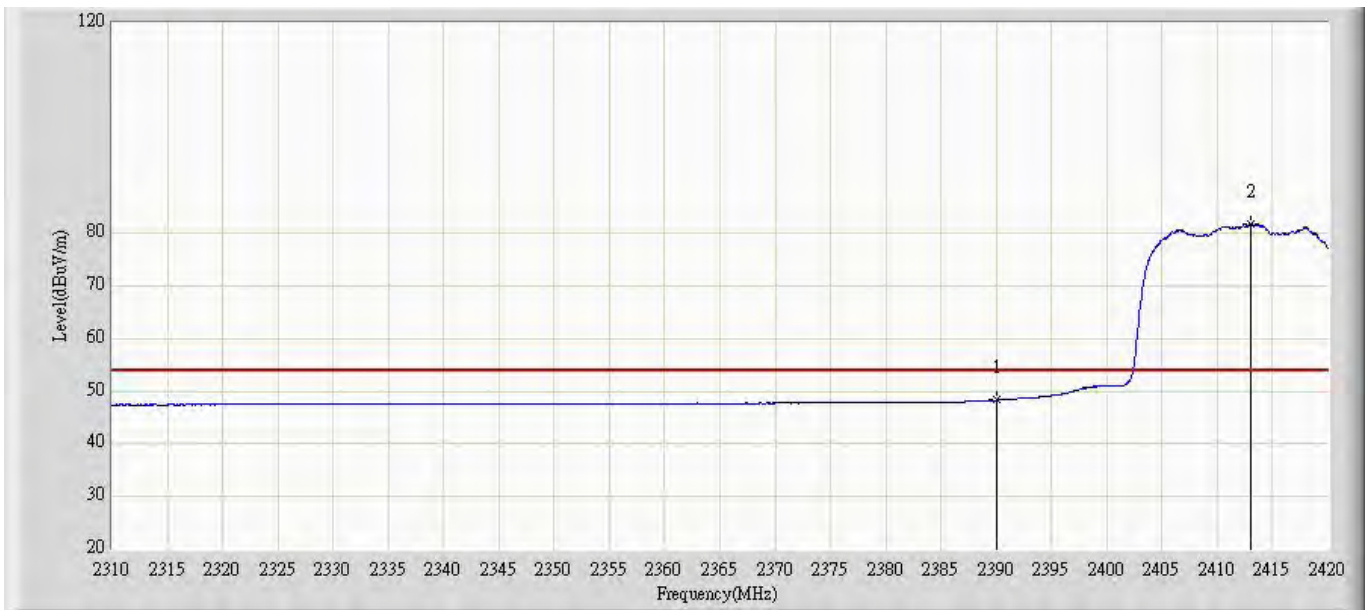
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2462.750	103.119	72.081	N/A	N/A	31.038	AV
2		2483.500	48.985	18.051	-5.015	54.000	30.934	AV
3		2499.975	50.807	19.941	-3.193	54.000	30.866	AV

Profile: 10CS018R	Page No.: 17
Engineer: Steven	
Site: AC5	Time: 2010/12/13 - 11:50
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_499(1-18GHz)	Polarity: Horizontal
EUT: ADSL2+4-port Wireless Router	Power: AC 120V/60Hz
Note: Mode 2:Transmit at 2412 by 802.11g ant 0	



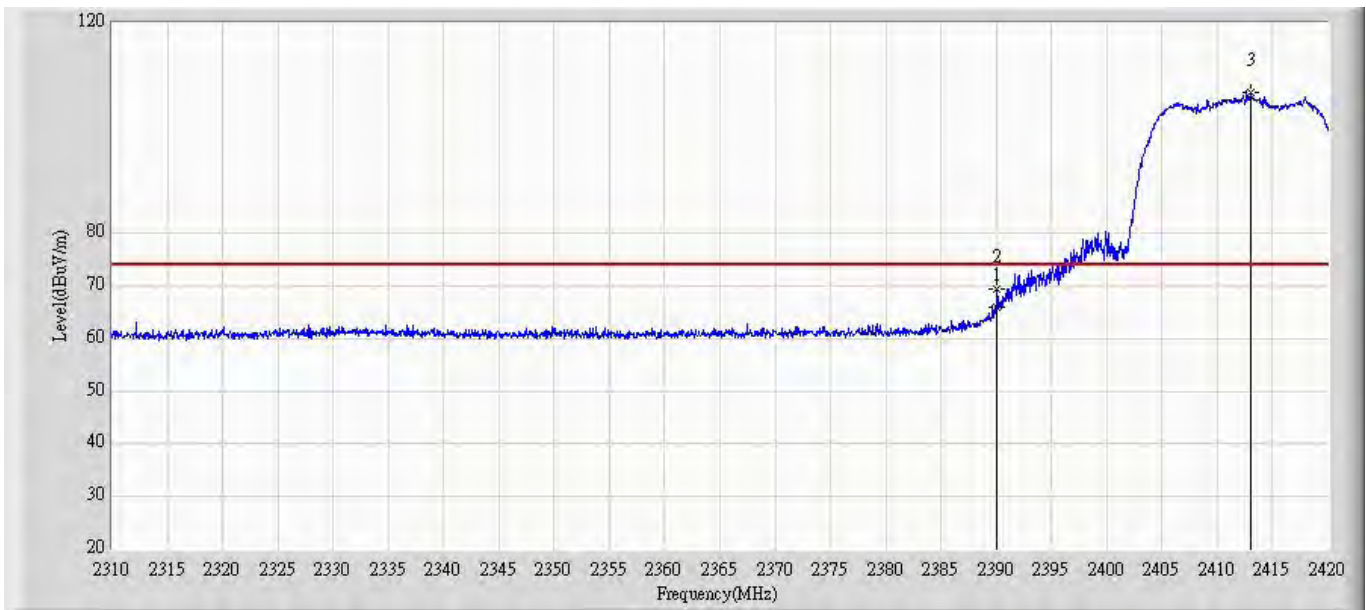
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		2390.000	61.059	30.147	-12.941	74.000	30.911	PK
2	*	2412.960	95.451	64.580	N/A	N/A	30.871	PK

Profile: 10CS018R	Page No.: 18
Engineer: Steven	
Site: AC5	Time: 2010/12/13 - 13:28
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_499(1-18GHz)	Polarity: Horizontal
EUT: ADSL2+4-port Wireless Router	Power: AC 120V/60Hz
Note: Mode 2:Transmit at 2412 by 802.11g ant 0	



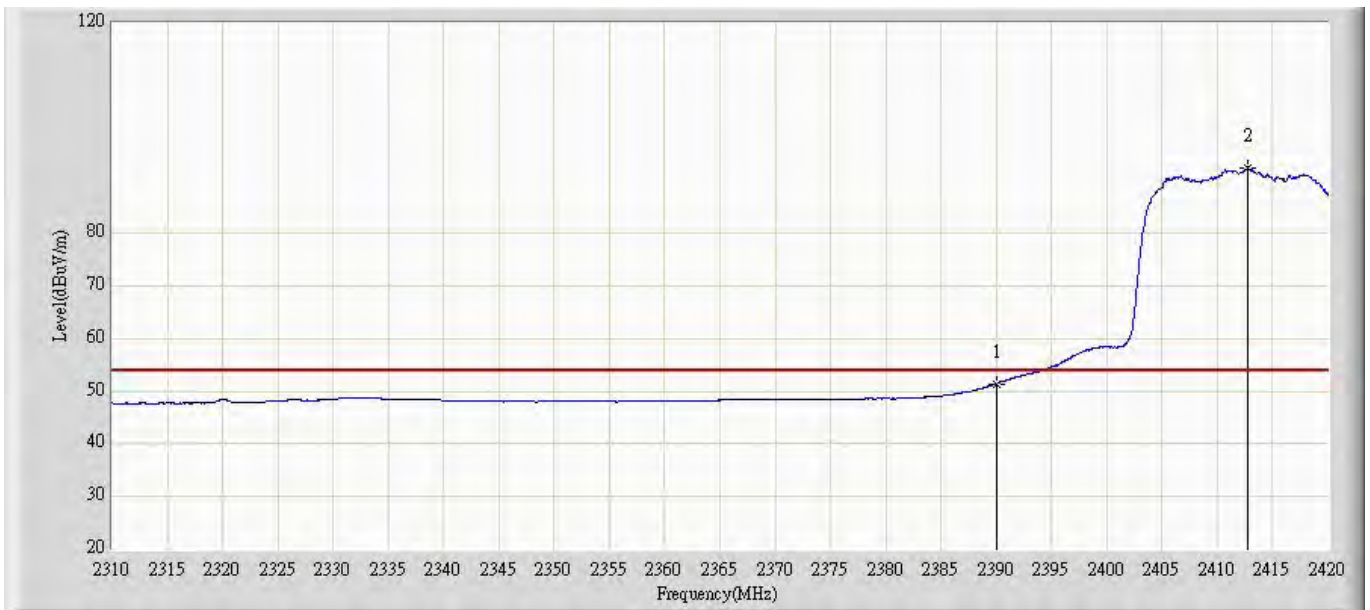
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		2390.000	48.311	17.399	-5.689	54.000	30.911	AV
2	*	2413.070	81.875	51.005	N/A	N/A	30.870	AV

Profile: 10CS018R	Page No.: 19
Engineer: Steven	
Site: AC5	Time: 2010/12/13 - 13:28
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_499(1-18GHz)	Polarity: Vertical
EUT: ADSL2+4-port Wireless Router	Power: AC 120V/60Hz
Note: Mode 2:Transmit at 2412 by 802.11g ant 0	



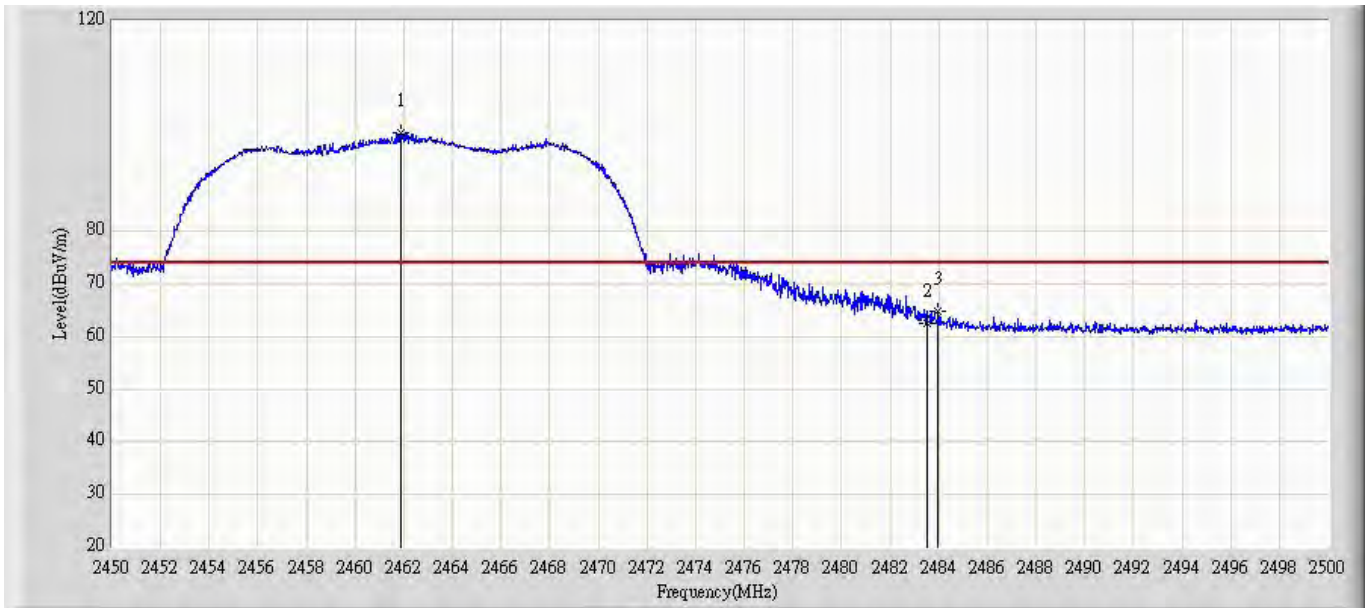
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		2390.000	66.085	35.173	-7.915	74.000	30.911	PK
2		2390.080	69.294	38.382	-4.706	74.000	30.912	PK
3	*	2413.070	106.901	76.031	N/A	N/A	30.870	PK

Profile: 10CS018R	Page No.: 20
Engineer: Steven	
Site: AC5	Time: 2010/12/13 - 13:38
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_499(1-18GHz)	Polarity: Vertical
EUT: ADSL2+4-port Wireless Router	Power: AC 120V/60Hz
Note: Mode 2:Transmit at 2412 by 802.11g ant 0	



No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		2390.000	51.393	20.481	-2.607	54.000	30.911	AV
2	*	2412.685	92.544	61.673	N/A	N/A	30.871	AV

Profile: 10CS018R	Page No.: 21
Engineer: Steven	
Site: AC5	Time: 2010/12/13 - 13:40
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_499(1-18GHz)	Polarity: Horizontal
EUT: ADSL2+4-port Wireless Router	Power: AC 120V/60Hz
Note: Mode 2:Transmit at 2462 by 802.11g ant 0	



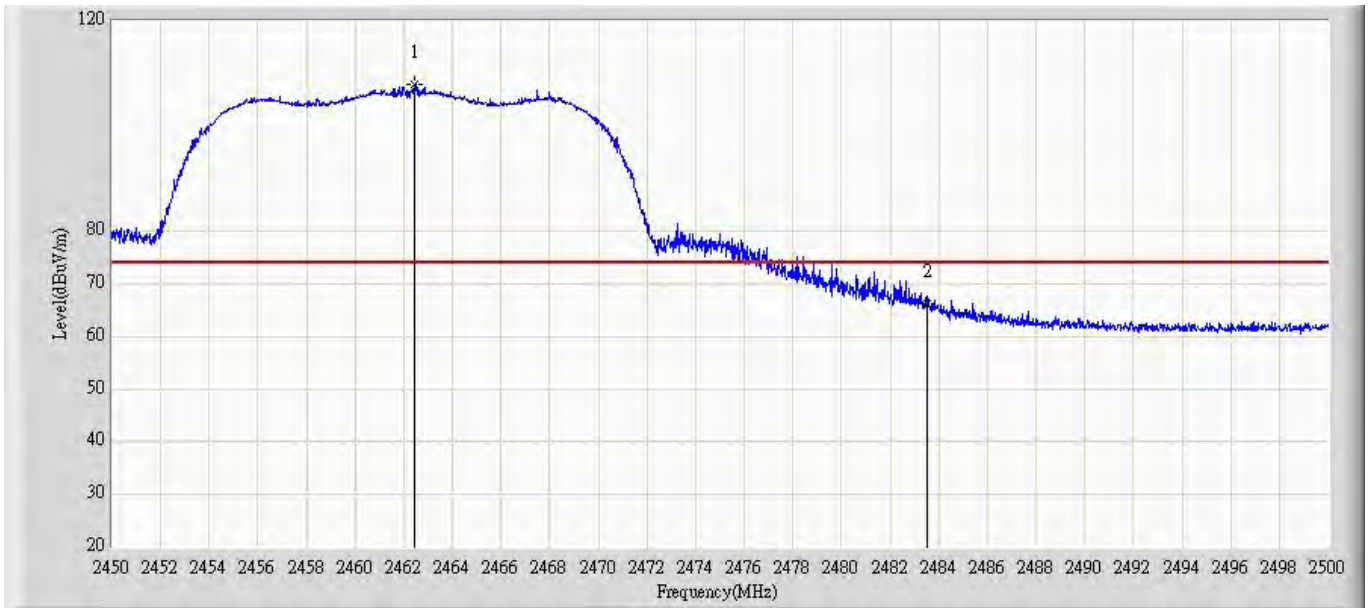
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2461.850	98.786	67.746	N/A	N/A	31.040	PK
2		2483.500	62.550	31.616	-11.450	74.000	30.934	PK
3		2483.975	64.945	34.014	-9.055	74.000	30.931	PK

Profile: 10CS018R	Page No.: 22
Engineer: Steven	
Site: AC5	Time: 2010/12/13 - 13:48
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_499(1-18GHz)	Polarity: Horizontal
EUT: ADSL2+4-port Wireless Router	Power: AC 120V/60Hz
Note: Mode 2:Transmit at 2462 by 802.11g ant 0	



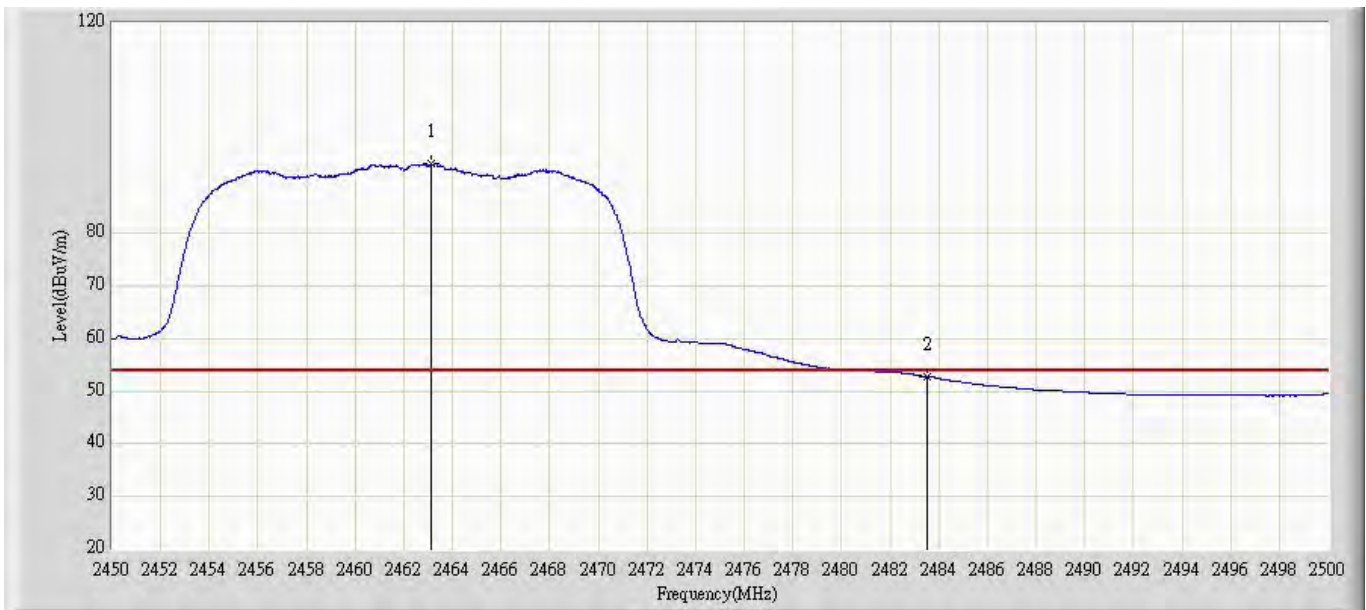
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2462.850	84.150	53.113	N/A	N/A	31.038	AV
2		2483.500	49.631	18.697	-4.369	54.000	30.934	AV

Profile: 10CS018R	Page No.: 23
Engineer: Steven	
Site: AC5	Time: 2010/12/13 - 13:49
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_499(1-18GHz)	Polarity: Vertical
EUT: ADSL2+4-port Wireless Router	Power: AC 120V/60Hz
Note: Mode 2:Transmit at 2462 by 802.11g ant 0	



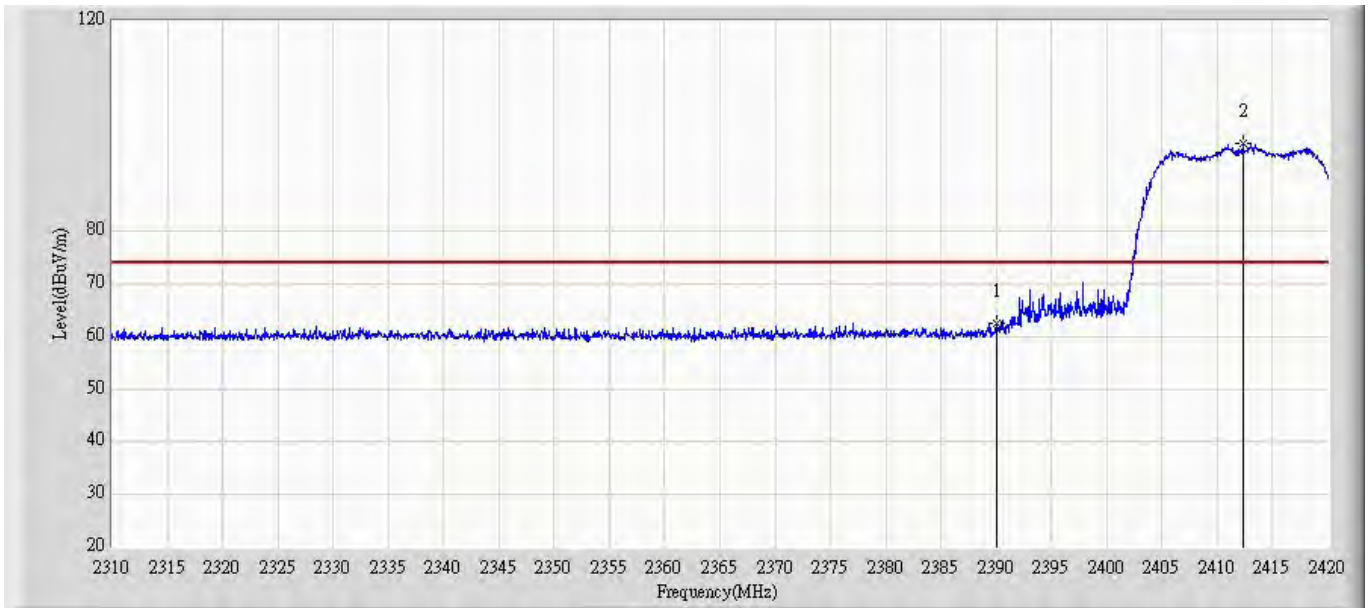
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2462.450	108.040	77.001	N/A	N/A	31.039	PK
2		2483.500	66.160	35.226	-7.840	74.000	30.934	PK

Profile: 10CS018R	Page No.: 24
Engineer: Steven	
Site: AC5	Time: 2010/12/13 - 13:50
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_499(1-18GHz)	Polarity: Vertical
EUT: ADSL2+4-port Wireless Router	Power: AC 120V/60Hz
Note: Mode 2:Transmit at 2462 by 802.11g ant 0	



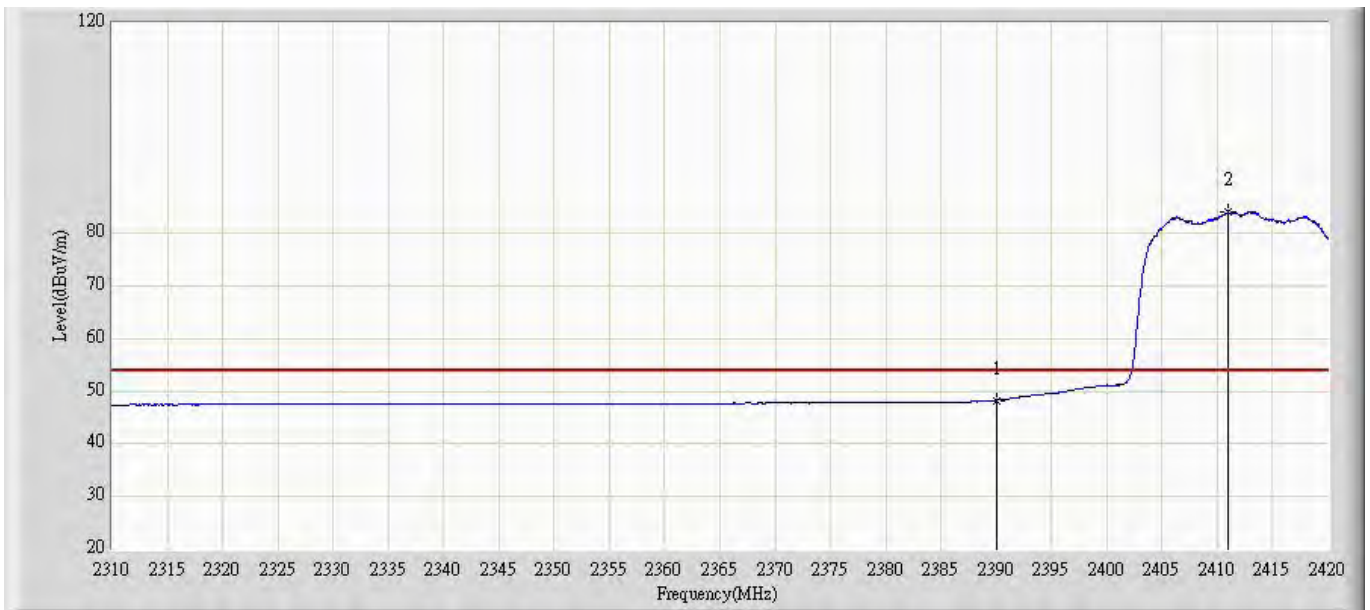
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2463.150	93.209	62.173	N/A	N/A	31.036	AV
2		2483.500	52.767	21.833	-1.233	54.000	30.934	AV

Profile: 10CS018R	Page No.: 25
Engineer: Steven	
Site: AC5	Time: 2010/12/13 - 13:53
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_499(1-18GHz)	Polarity: Horizontal
EUT: ADSL2+4-port Wireless Router	Power: AC 120V/60Hz
Note: Mode 2:Transmit at 2412 by 802.11g ant 1	



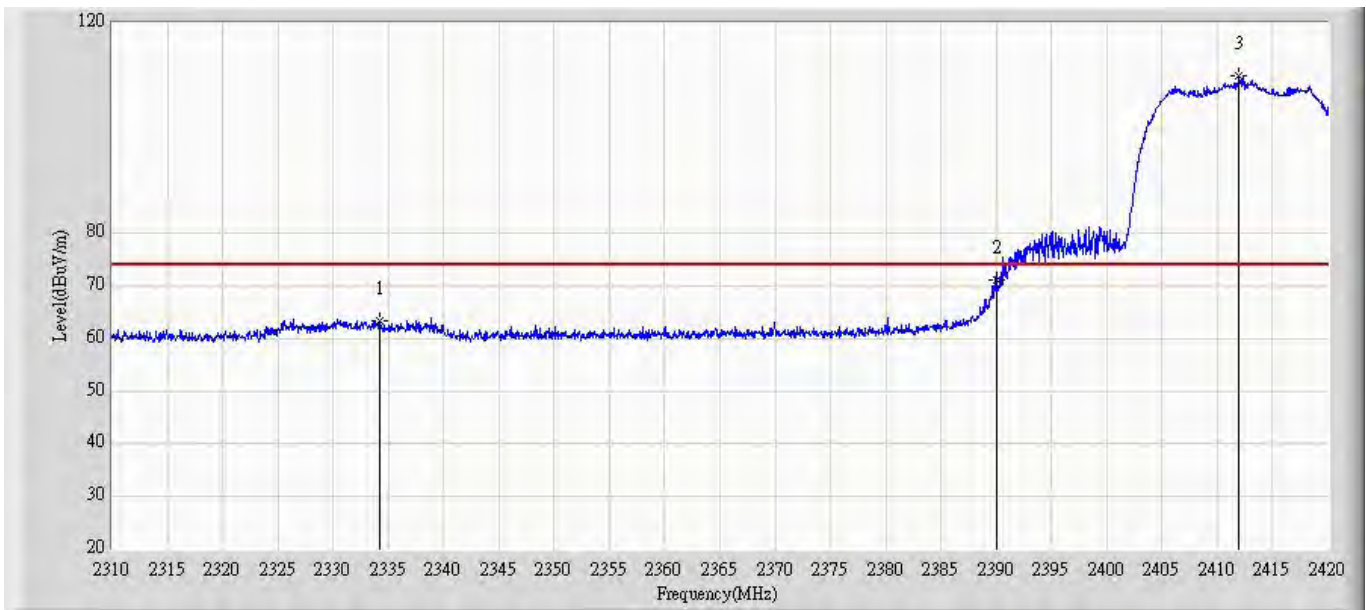
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		2390.000	62.629	31.717	-11.371	74.000	30.911	PK
2	*	2412.300	96.866	65.993	N/A	N/A	30.872	PK

Profile: 10CS018R	Page No.: 26
Engineer: Steven	
Site: AC5	Time: 2010/12/13 - 13:55
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_499(1-18GHz)	Polarity: Horizontal
EUT: ADSL2+4-port Wireless Router	Power: AC 120V/60Hz
Note: Mode 2:Transmit at 2412 by 802.11g ant 1	



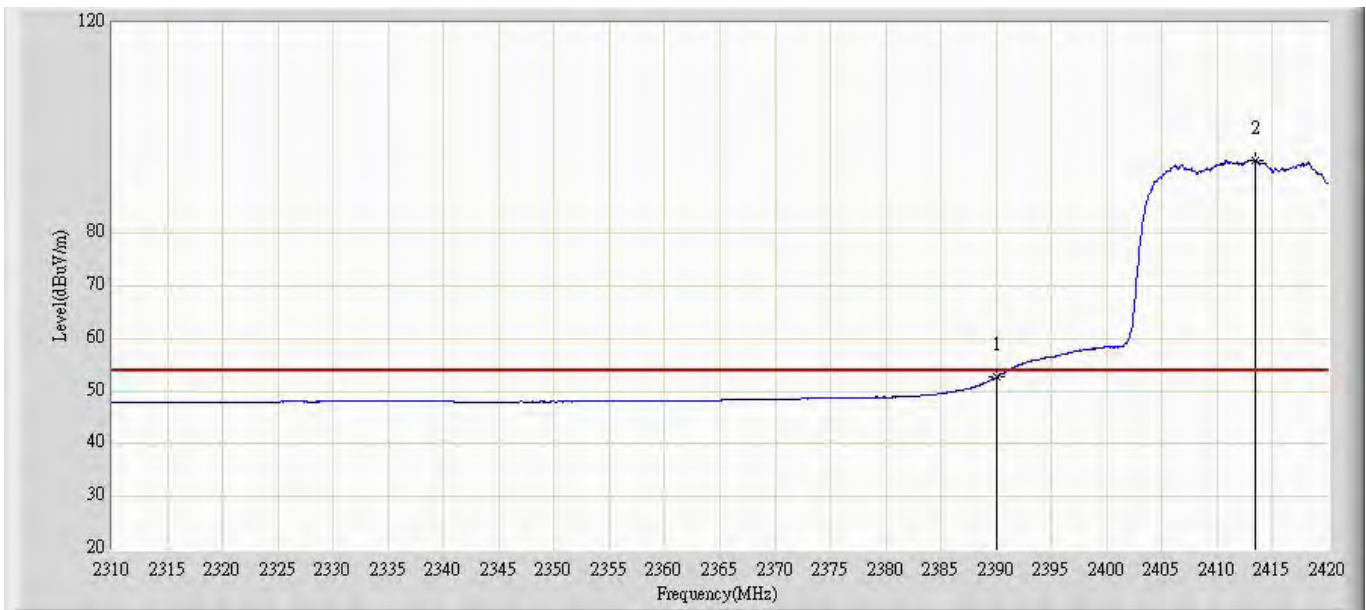
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		2390.000	48.296	17.384	-5.704	54.000	30.911	AV
2	*	2410.980	84.132	53.255	N/A	N/A	30.877	AV

Profile: 10CS018R	Page No.: 27
Engineer: Steven	
Site: AC5	Time: 2010/12/13 - 13:59
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_499(1-18GHz)	Polarity: Vertical
EUT: ADSL2+4-port Wireless Router	Power: AC 120V/60Hz
Note: Mode 2:Transmit at 2412 by 802.11g ant 1	



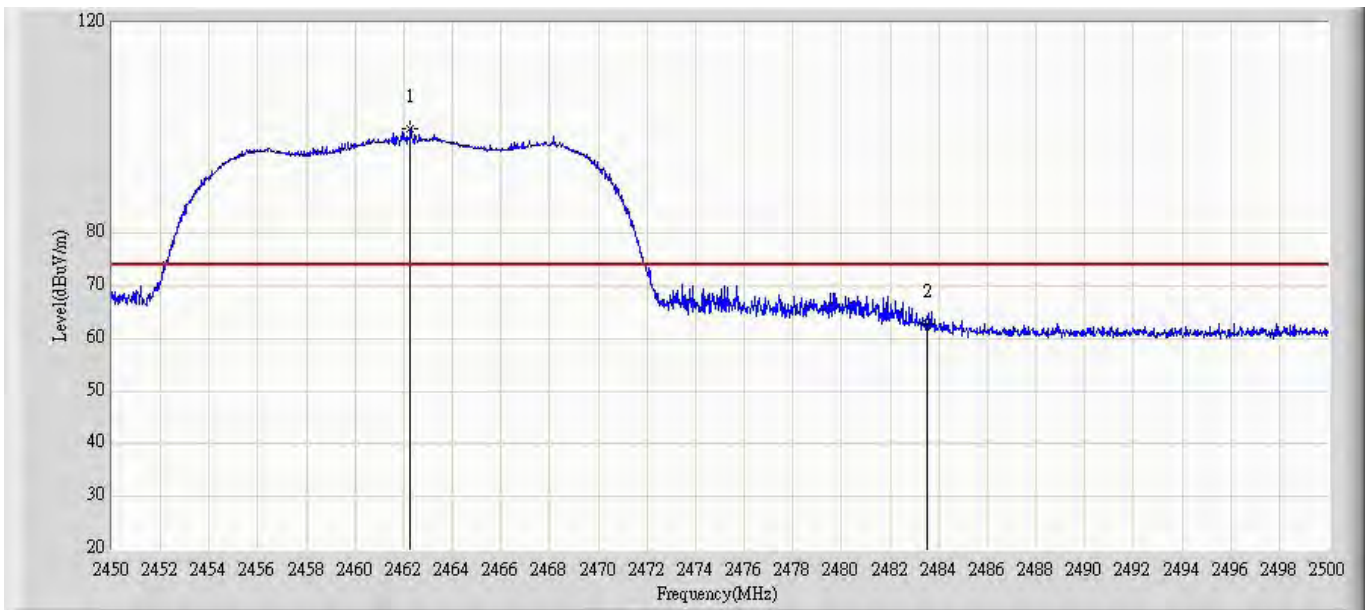
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		2334.200	63.352	32.386	-10.648	74.000	30.966	PK
2		2390.000	71.046	40.134	-2.954	74.000	30.911	PK
3	*	2411.970	109.930	79.056	N/A	N/A	30.873	PK

Profile: 10CS018R	Page No.: 28
Engineer: Steven	
Site: AC5	Time: 2010/12/13 - 14:02
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_499(1-18GHz)	Polarity: Vertical
EUT: ADSL2+4-port Wireless Router	Power: AC 120V/60Hz
Note: Mode 2:Transmit at 2412 by 802.11g ant 1	



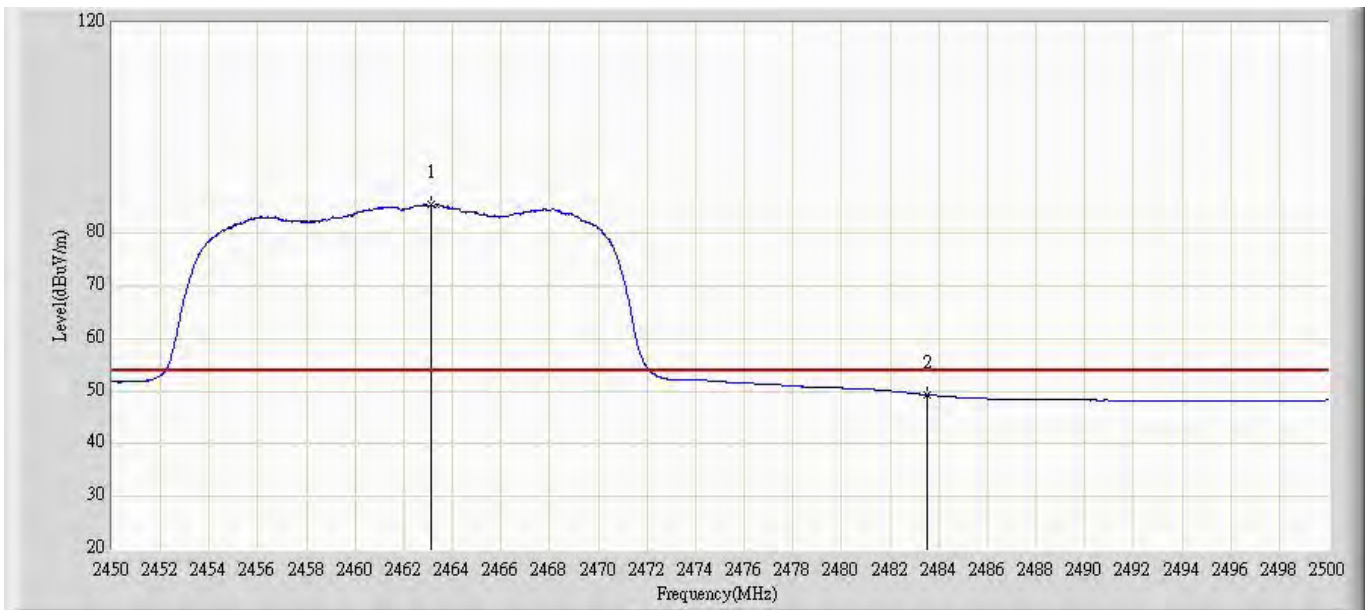
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		2390.000	52.698	21.786	-1.302	54.000	30.911	AV
2	*	2413.455	93.776	62.907	N/A	N/A	30.869	AV

Profile: 10CS018R	Page No.: 29
Engineer: Steven	
Site: AC5	Time: 2010/12/13 - 14:07
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_499(1-18GHz)	Polarity: Horizontal
EUT: ADSL2+4-port Wireless Router	Power: AC 120V/60Hz
Note: Mode 2:Transmit at 2462 by 802.11g ant 1	



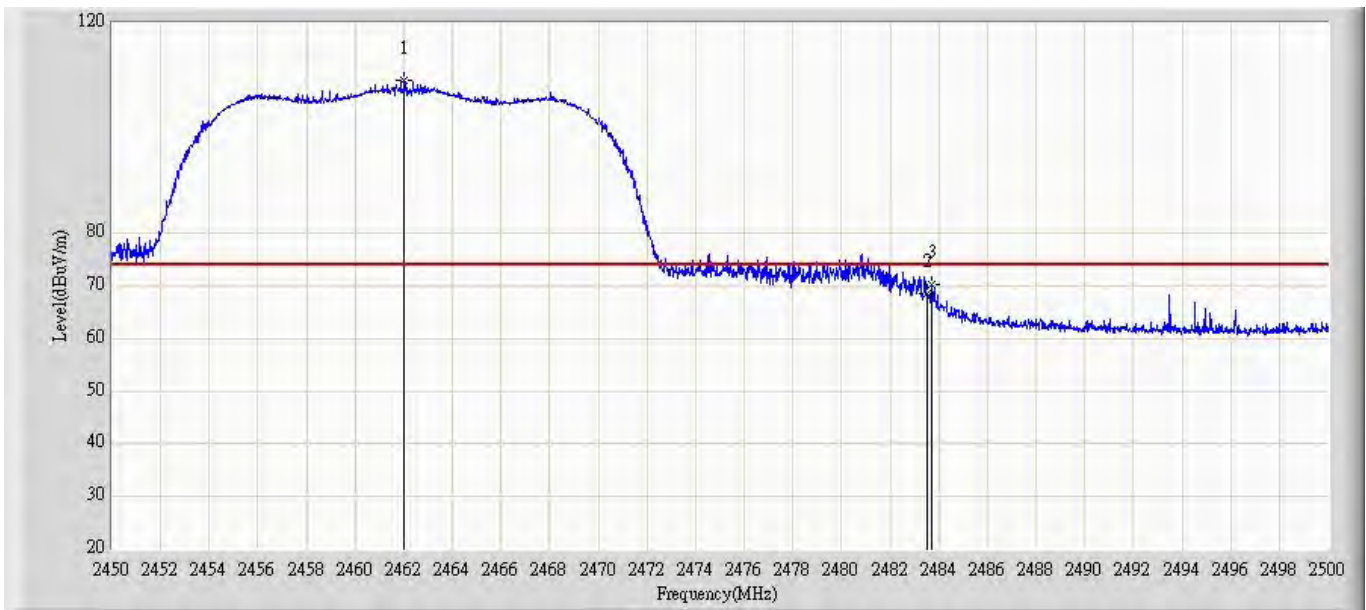
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2462.250	99.841	68.801	N/A	N/A	31.040	PK
2		2483.500	62.714	31.780	-11.286	74.000	30.934	PK

Profile: 10CS018R	Page No.: 30
Engineer: Steven	
Site: AC5	Time: 2010/12/13 - 14:11
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_499(1-18GHz)	Polarity: Horizontal
EUT: ADSL2+4-port Wireless Router	Power: AC 120V/60Hz
Note: Mode 2:Transmit at 2462 by 802.11g ant 1	



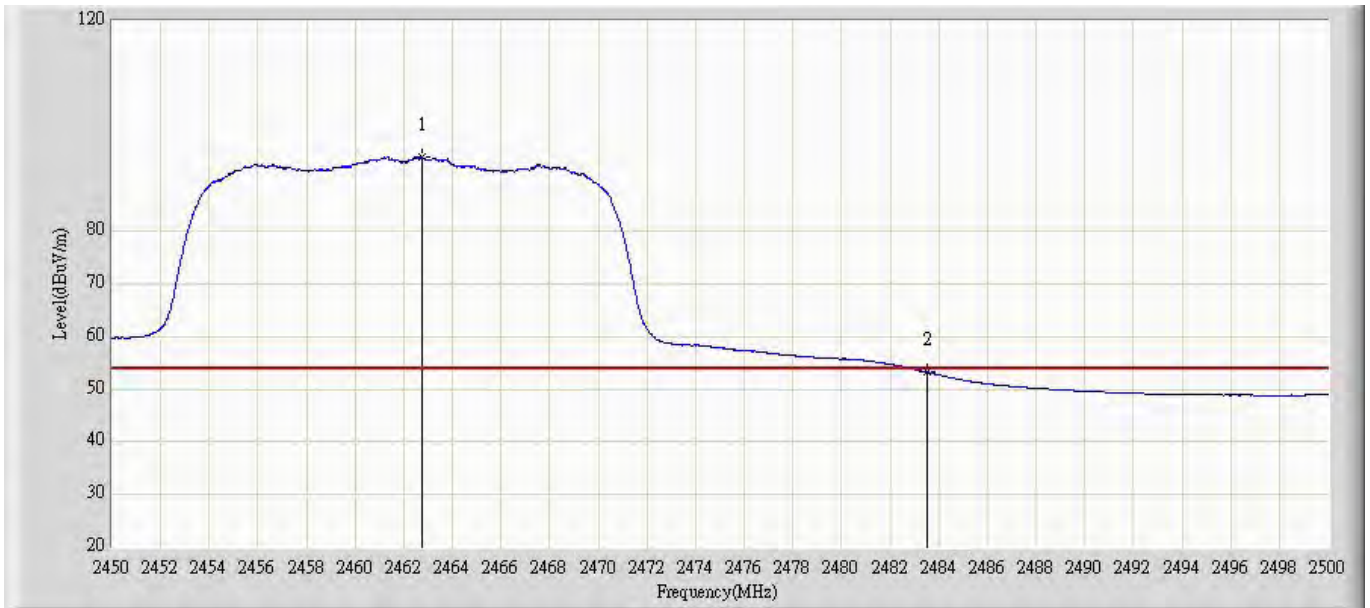
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2463.100	85.414	54.378	N/A	N/A	31.036	AV
2		2483.500	49.343	18.409	-4.657	54.000	30.934	AV

Profile: 10CS018R	Page No.: 31
Engineer: Steven	
Site: AC5	Time: 2010/12/13 - 14:11
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_499(1-18GHz)	Polarity: Vertical
EUT: ADSL2+4-port Wireless Router	Power: AC 120V/60Hz
Note: Mode 2:Transmit at 2462 by 802.11g ant 1	



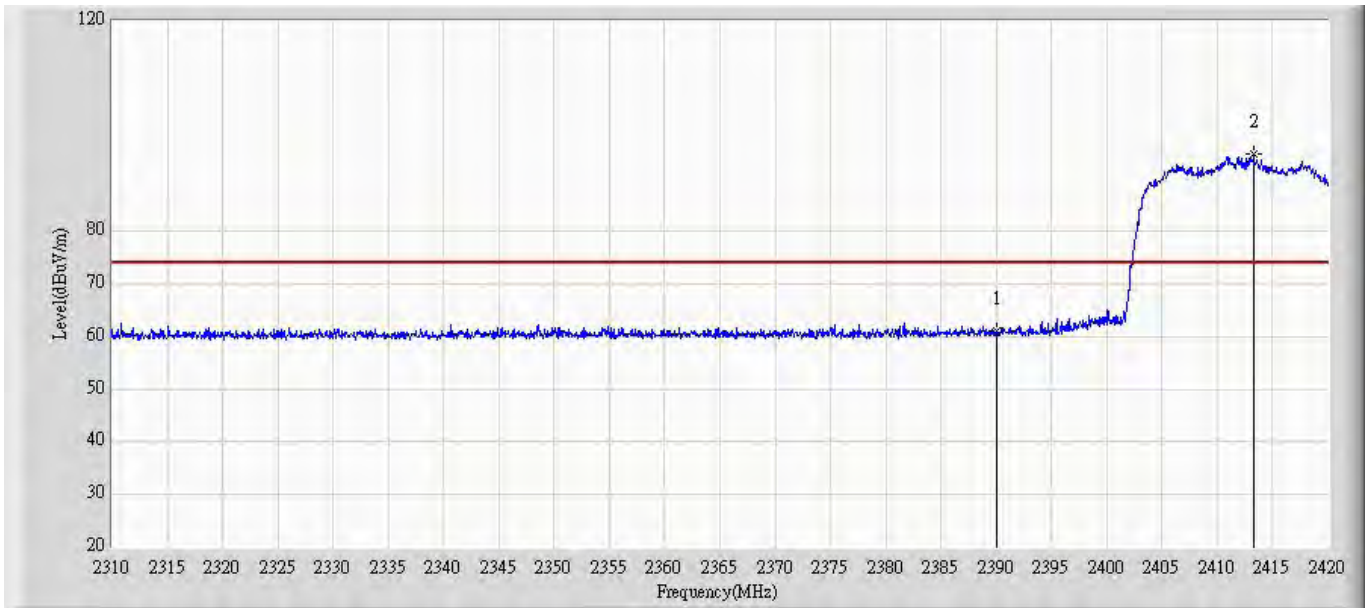
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2462.025	109.110	78.069	N/A	N/A	31.041	PK
2		2483.500	68.657	37.723	-5.343	74.000	30.934	PK
3		2483.700	70.396	39.463	-3.604	74.000	30.933	PK

Profile: 10CS018R	Page No.: 32
Engineer: Steven	
Site: AC5	Time: 2010/12/13 - 14:13
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_499(1-18GHz)	Polarity: Vertical
EUT: ADSL2+4-port Wireless Router	Power: AC 120V/60Hz
Note: Mode 2:Transmit at 2412 by 802.11g ant 1	



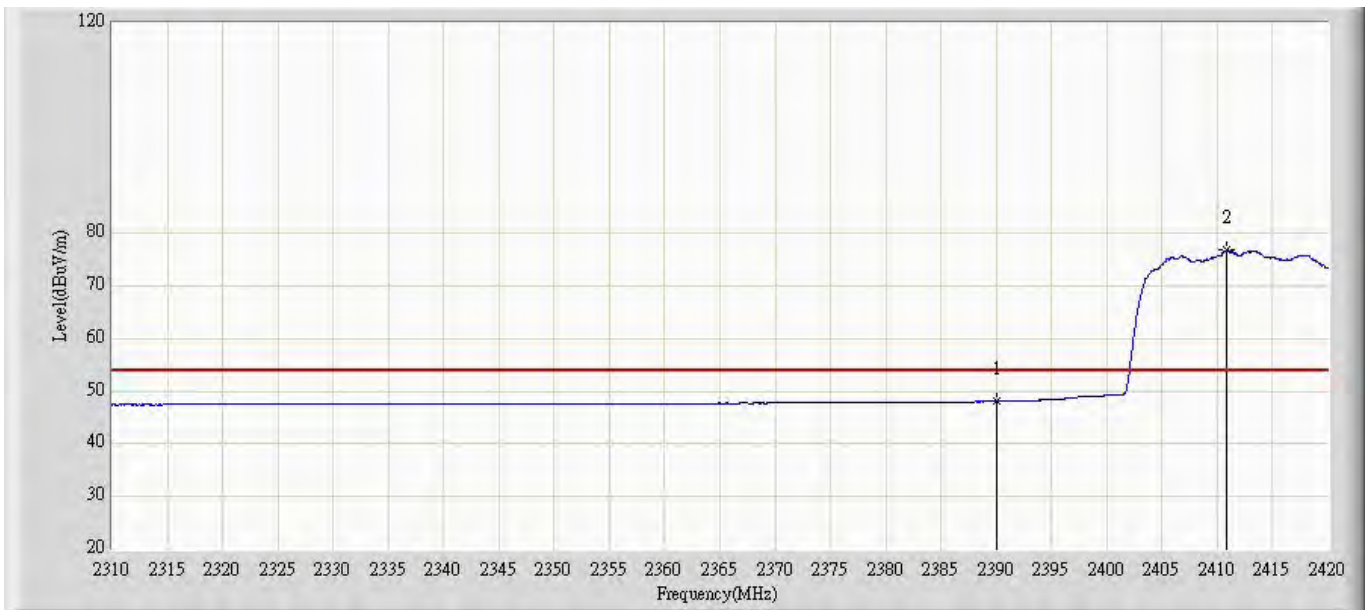
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2462.725	94.140	63.102	N/A	N/A	31.038	AV
2		2483.500	53.257	22.323	-0.743	54.000	30.934	AV

Profile: 10CS018R	Page No.: 33
Engineer: Steven	
Site: AC5	Time: 2010/12/13 - 15:31
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_499(1-18GHz)	Polarity: Horizontal
EUT: ADSL2+4-port Wireless Router	Power: AC 120V/60Hz
Note: Mode 3:Transmit at 2412 by 802.11n(20MHz) ant 0	



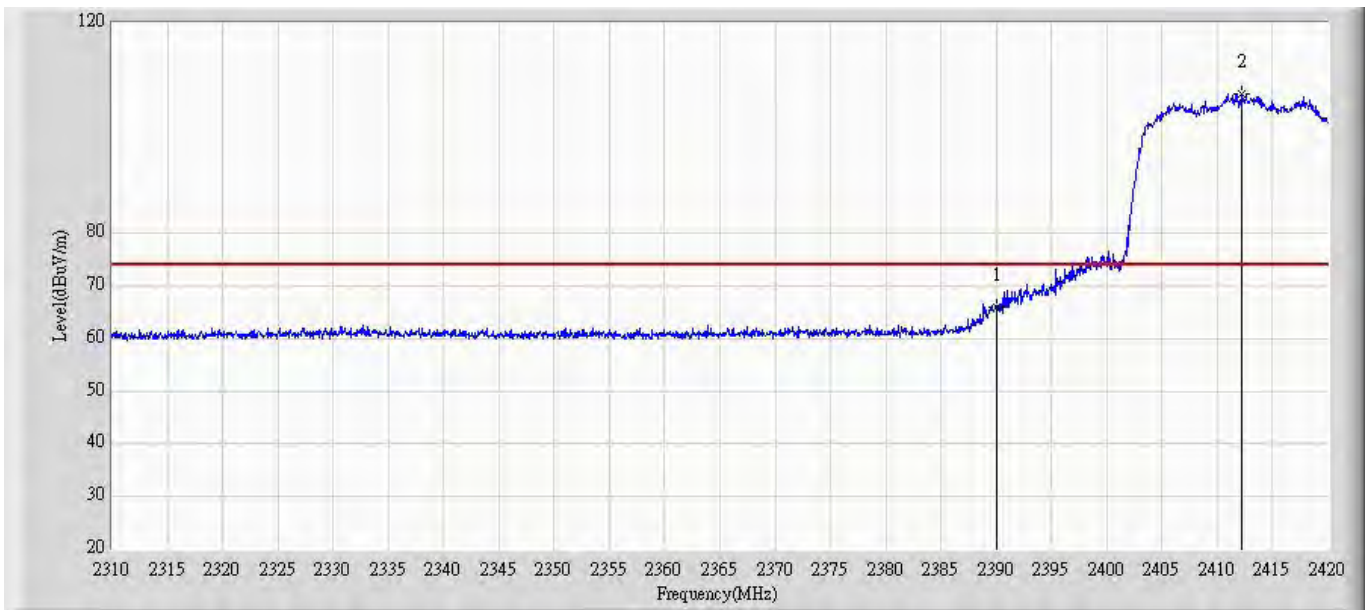
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		2390.000	60.982	30.070	-13.018	74.000	30.911	PK
2	*	2413.290	94.738	63.869	N/A	N/A	30.870	PK

Profile: 10CS018R	Page No.: 34
Engineer: Steven	
Site: AC5	Time: 2010/12/13 - 15:42
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_499(1-18GHz)	Polarity: Horizontal
EUT: ADSL2+4-port Wireless Router	Power: AC 120V/60Hz
Note: Mode 3:Transmit at 2412 by 802.11n(20MHz) ant 0	



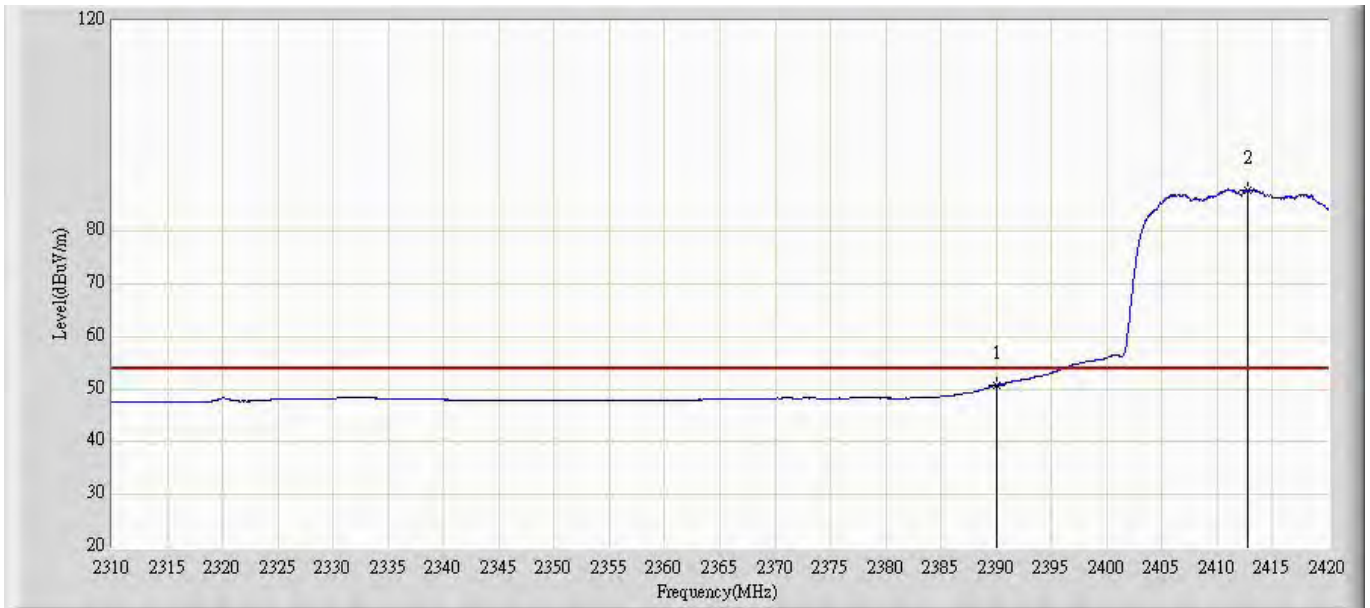
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		2390.000	48.092	17.180	-5.908	54.000	30.911	AV
2	*	2410.870	76.762	45.885	N/A	N/A	30.877	AV

Profile: 10CS018R	Page No.: 35
Engineer: Steven	
Site: AC5	Time: 2010/12/13 - 15:42
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_499(1-18GHz)	Polarity: Vertical
EUT: ADSL2+4-port Wireless Router	Power: AC 120V/60Hz
Note: Mode 3:Transmit at 2412 by 802.11n(20MHz) ant 0	



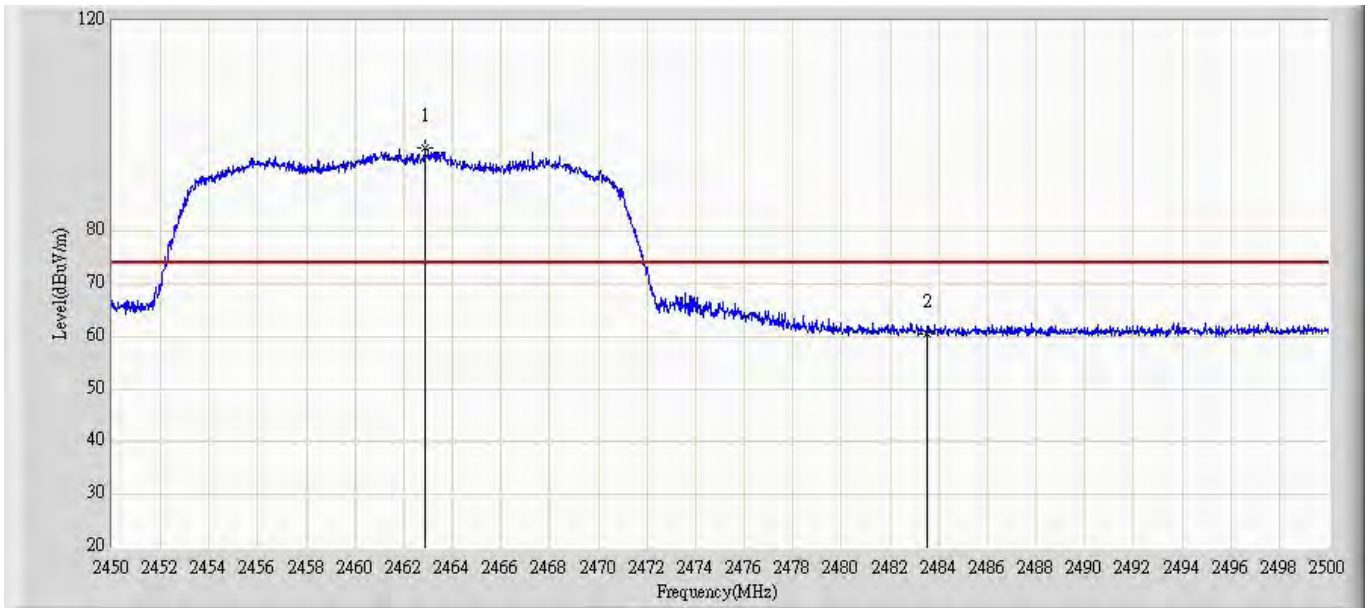
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		2390.000	65.969	35.057	-8.031	74.000	30.911	PK
2	*	2412.245	106.506	75.633	N/A	N/A	30.873	PK

Profile: 10CS018R	Page No.: 36
Engineer: Steven	
Site: AC5	Time: 2010/12/13 - 15:43
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_499(1-18GHz)	Polarity: Vertical
EUT: ADSL2+4-port Wireless Router	Power: AC 120V/60Hz
Note: Mode 3:Transmit at 2412 by 802.11n(20MHz) ant 0	



No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		2390.000	50.748	19.836	-3.252	54.000	30.911	AV
2	*	2412.795	87.858	56.987	N/A	N/A	30.871	AV

Profile: 10CS018R	Page No.: 37
Engineer: Steven	
Site: AC5	Time: 2010/12/13 - 15:43
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_499(1-18GHz)	Polarity: Horizontal
EUT: ADSL2+4-port Wireless Router	Power: AC 120V/60Hz
Note: Mode 3:Transmit at 2462 by 802.11n(20MHz) ant 0	



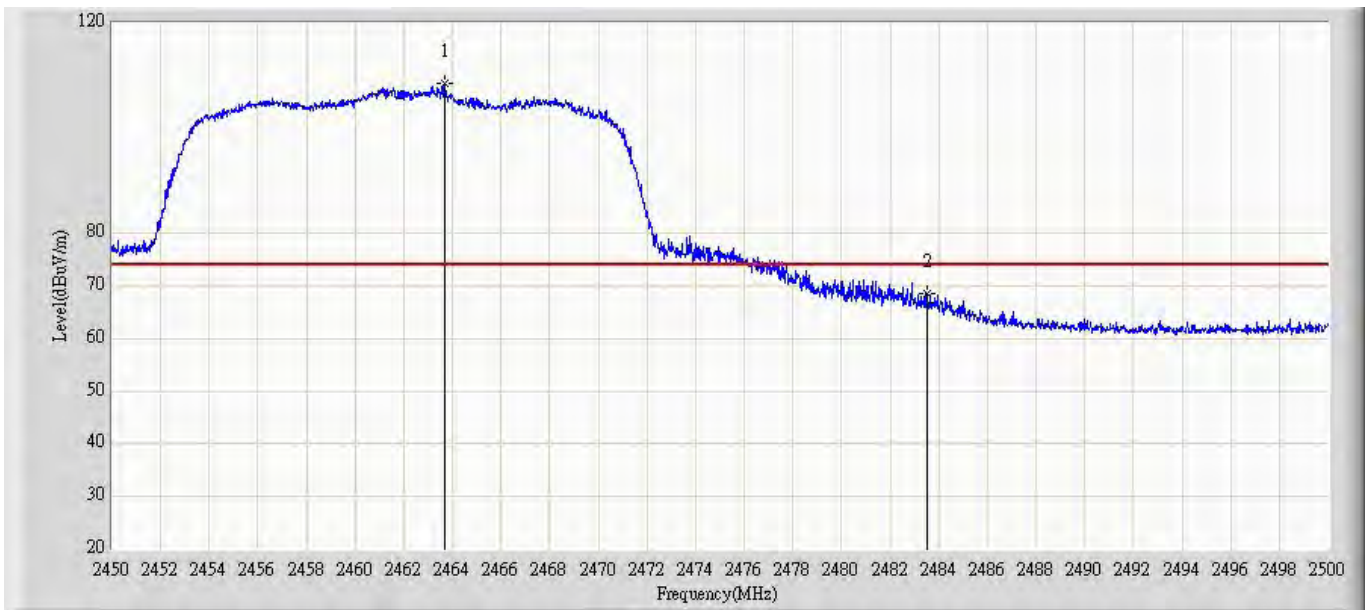
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2462.850	95.817	64.780	N/A	N/A	31.038	PK
2		2483.500	60.396	29.462	-13.604	74.000	30.934	PK

Profile: 10CS018R	Page No.: 38
Engineer: Steven	
Site: AC5	Time: 2010/12/13 - 15:46
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_499(1-18GHz)	Polarity: Horizontal
EUT: ADSL2+4-port Wireless Router	Power: AC 120V/60Hz
Note: Mode 3:Transmit at 2462 by 802.11n(20MHz) ant 0	



No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2461.000	79.221	48.188	N/A	N/A	31.033	AV
2		2483.500	48.496	17.562	-5.504	54.000	30.934	AV

Profile: 10CS018R	Page No.: 39
Engineer: Steven	
Site: AC5	Time: 2010/12/13 - 15:46
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_499(1-18GHz)	Polarity: Vertical
EUT: ADSL2+4-port Wireless Router	Power: AC 120V/60Hz
Note: Mode 3:Transmit at 2462 by 802.11n(20MHz) ant 0	



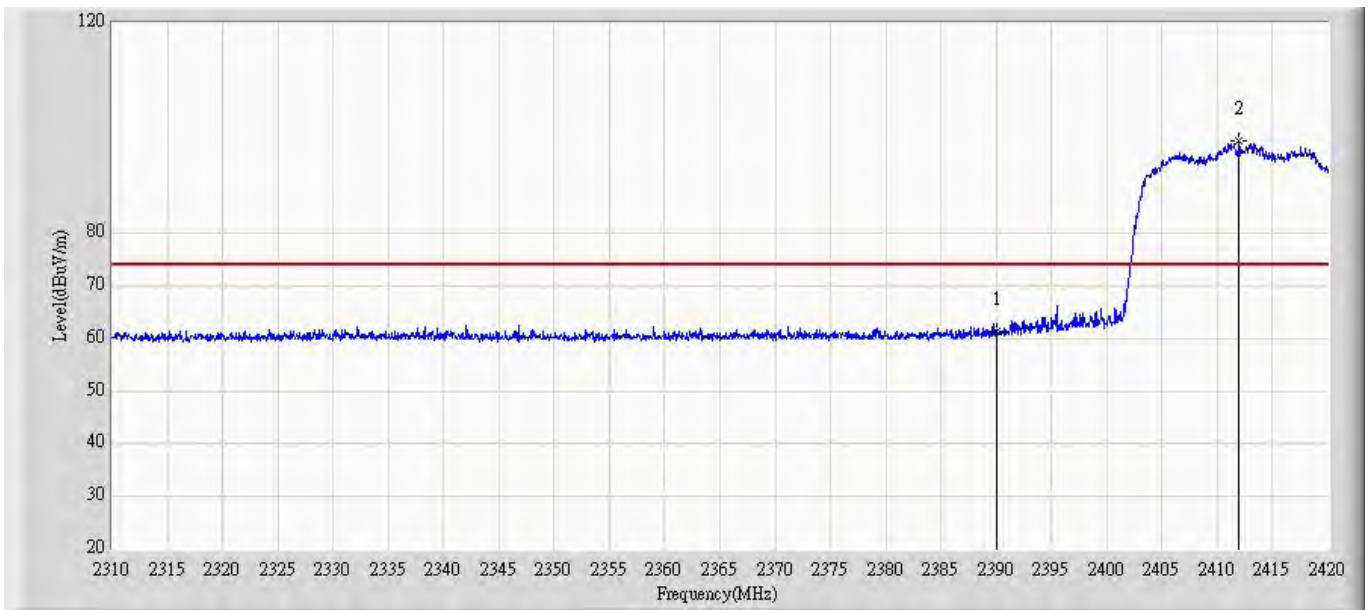
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2463.675	108.408	77.374	N/A	N/A	31.033	PK
2		2483.500	68.564	37.630	-5.436	74.000	30.934	PK

Profile: 10CS018R	Page No.: 40
Engineer: Steven	
Site: AC5	Time: 2010/12/13 - 15:46
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_499(1-18GHz)	Polarity: Vertical
EUT: ADSL2+4-port Wireless Router	Power: AC 120V/60Hz
Note: Mode 3:Transmit at 2462 by 802.11n(20MHz) ant 0	



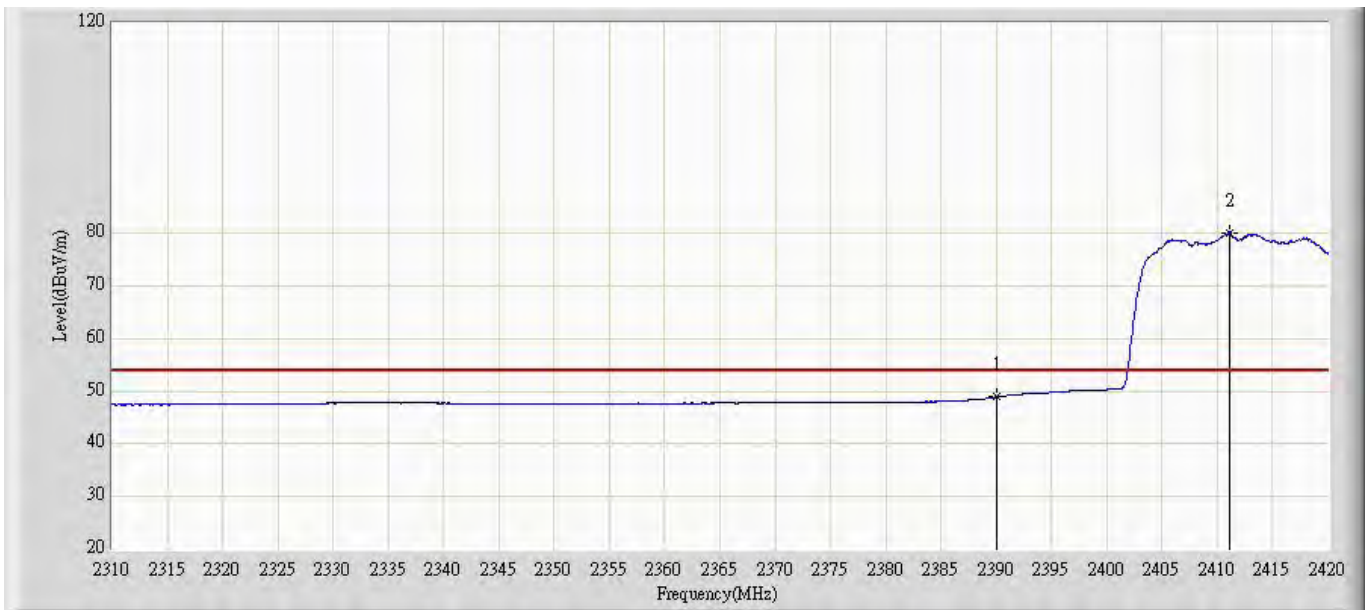
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2463.325	89.221	58.186	N/A	N/A	31.035	AV
2		2483.500	52.653	21.719	-1.347	54.000	30.934	AV

Profile: 10CS018R	Page No.: 41
Engineer: Steven	
Site: AC5	Time: 2010/12/13 - 15:47
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_499(1-18GHz)	Polarity: Horizontal
EUT: ADSL2+4-port Wireless Router	Power: AC 120V/60Hz
Note: Mode 3:Transmit at 2412 by 802.11n(20MHz) ant 1	



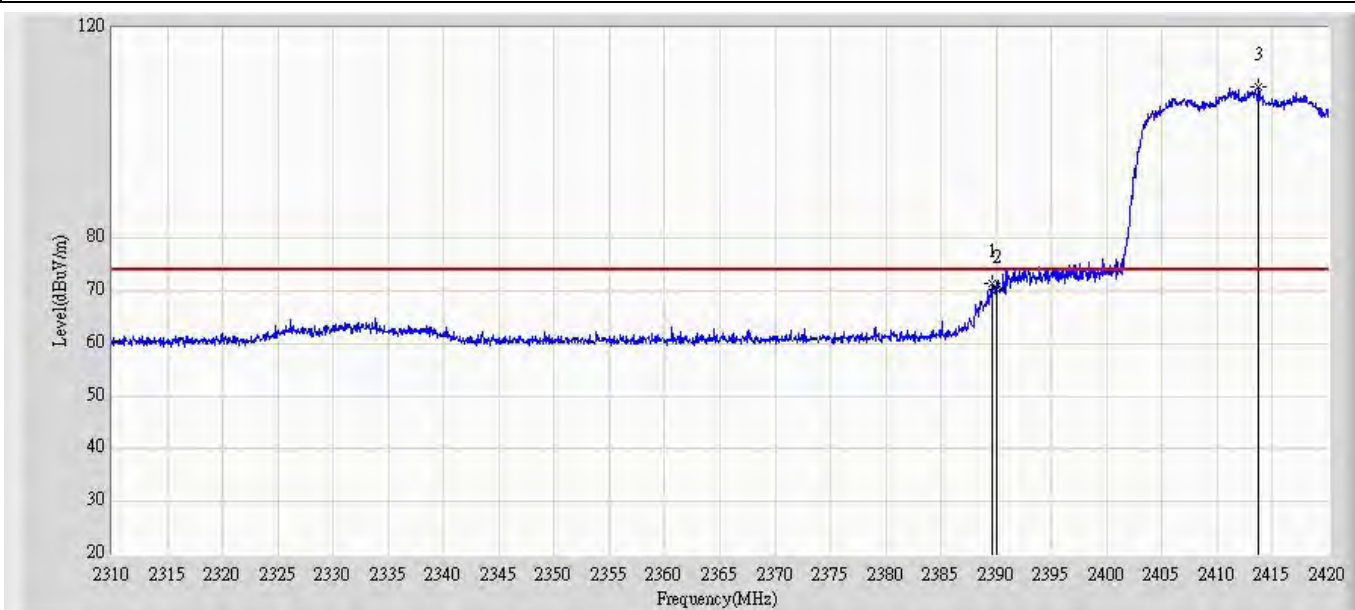
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		2390.000	61.364	30.452	-12.636	74.000	30.911	PK
2	*	2411.970	97.588	66.714	N/A	N/A	30.873	PK

Profile: 10CS018R	Page No.: 42
Engineer: Steven	
Site: AC5	Time: 2010/12/13 - 15:47
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_499(1-18GHz)	Polarity: Horizontal
EUT: ADSL2+4-port Wireless Router	Power: AC 120V/60Hz
Note: Mode 3:Transmit at 2412 by 802.11n(20MHz) ant 1	



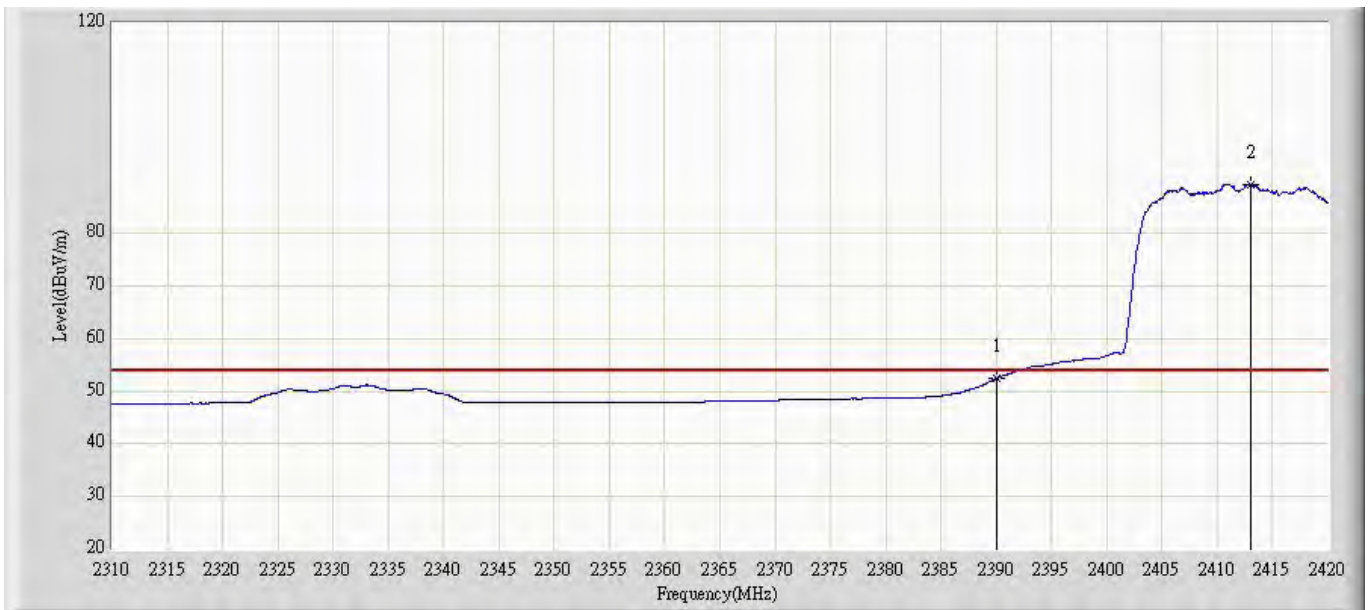
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		2390.000	48.918	18.006	-5.082	54.000	30.911	AV
2	*	2411.090	80.201	49.324	N/A	N/A	30.877	AV

Profile: 10CS018R	Page No.: 43
Engineer: Steven	
Site: AC5	Time: 2010/12/13 - 15:47
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_499(1-18GHz)	Polarity: Vertical
EUT: ADSL2+4-port Wireless Router	Power: AC 120V/60Hz
Note: Mode 3:Transmit at 2412 by 802.11n(20MHz) ant 1	



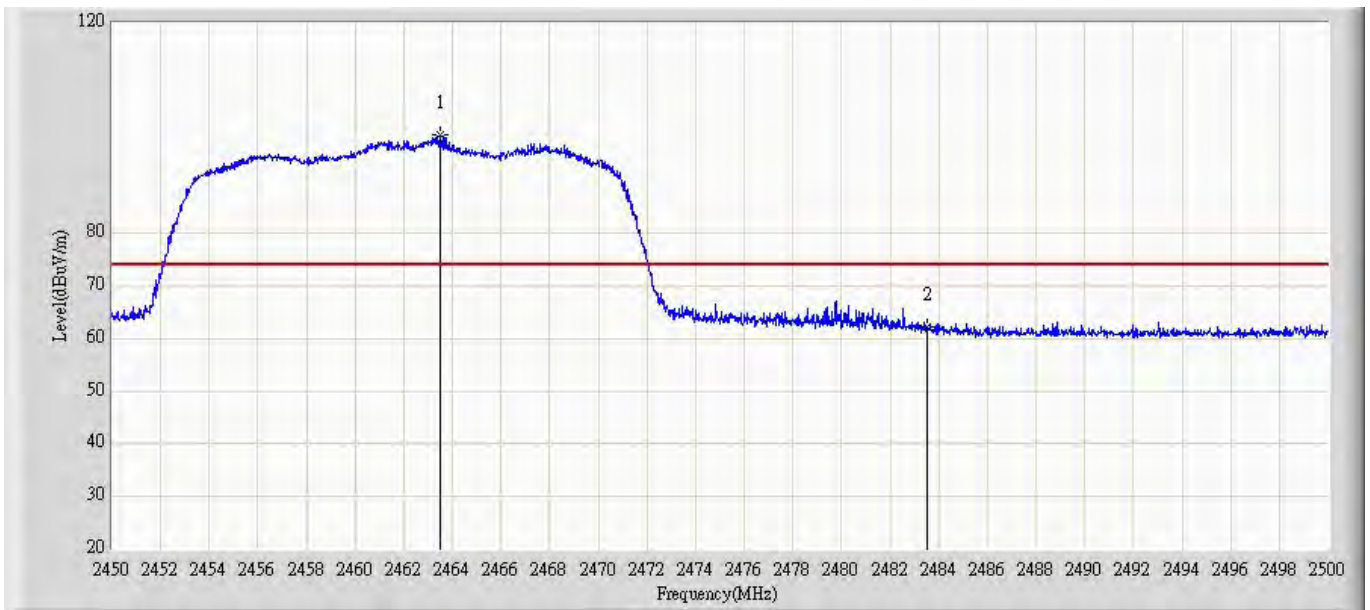
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		2389.695	71.459	40.548	-2.541	74.000	30.912	PK
2		2390.000	70.365	39.453	-3.635	74.000	30.911	PK
3	*	2413.675	108.807	77.939	N/A	N/A	30.868	PK

Profile: 10CS018R	Page No.: 44
Engineer: Steven	
Site: AC5	Time: 2010/12/13 - 15:47
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_499(1-18GHz)	Polarity: Vertical
EUT: ADSL2+4-port Wireless Router	Power: AC 120V/60Hz
Note: Mode 3:Transmit at 2412 by 802.11n(20MHz) ant 1	



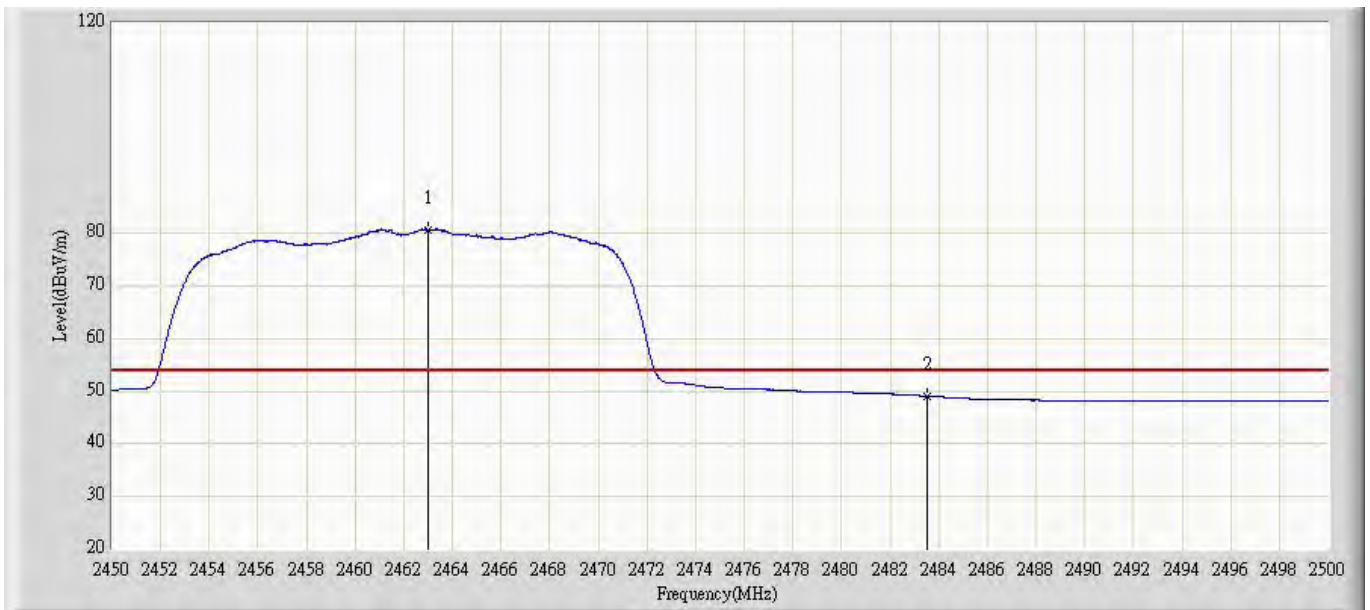
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		2390.000	52.414	21.502	-1.586	54.000	30.911	AV
2	*	2413.070	89.196	58.326	N/A	N/A	30.870	AV

Profile: 10CS018R	Page No.: 45
Engineer: Steven	
Site: AC5	Time: 2010/12/13 - 15:48
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_499(1-18GHz)	Polarity: Horizontal
EUT: ADSL2+4-port Wireless Router	Power: AC 120V/60Hz
Note: Mode 3:Transmit at 2462 by 802.11n(20MHz) ant 1	



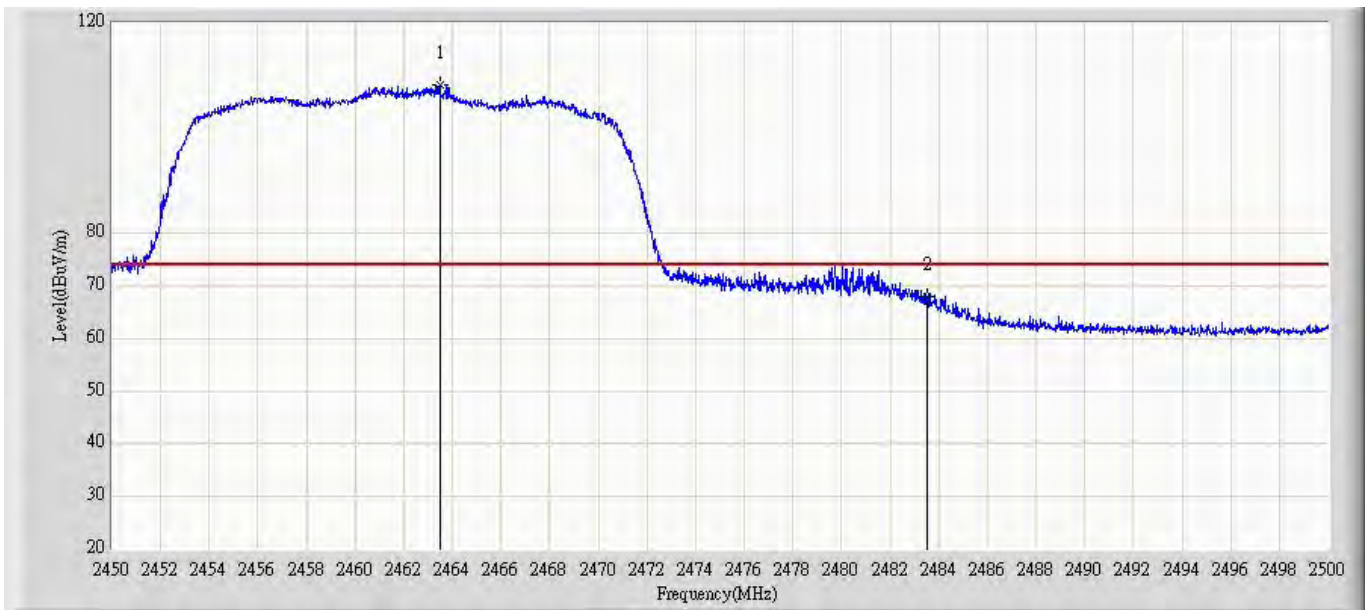
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2463.500	98.684	67.650	N/A	N/A	31.034	PK
2		2483.500	62.130	31.196	-11.870	74.000	30.934	PK

Profile: 10CS018R	Page No.: 46
Engineer: Steven	
Site: AC5	Time: 2010/12/13 - 15:48
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_499(1-18GHz)	Polarity: Horizontal
EUT: ADSL2+4-port Wireless Router	Power: AC 120V/60Hz
Note: Mode 3:Transmit at 2462 by 802.11n(20MHz) ant 1	



No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2463.025	80.730	49.694	N/A	N/A	31.036	AV
2		2483.500	49.071	18.137	-4.929	54.000	30.934	AV

Profile: 10CS018R	Page No.: 47
Engineer: Steven	
Site: AC5	Time: 2010/12/13 - 15:48
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_499(1-18GHz)	Polarity: Vertical
EUT: ADSL2+4-port Wireless Router	Power: AC 120V/60Hz
Note: Mode 3:Transmit at 2462 by 802.11n(20MHz) ant 1	



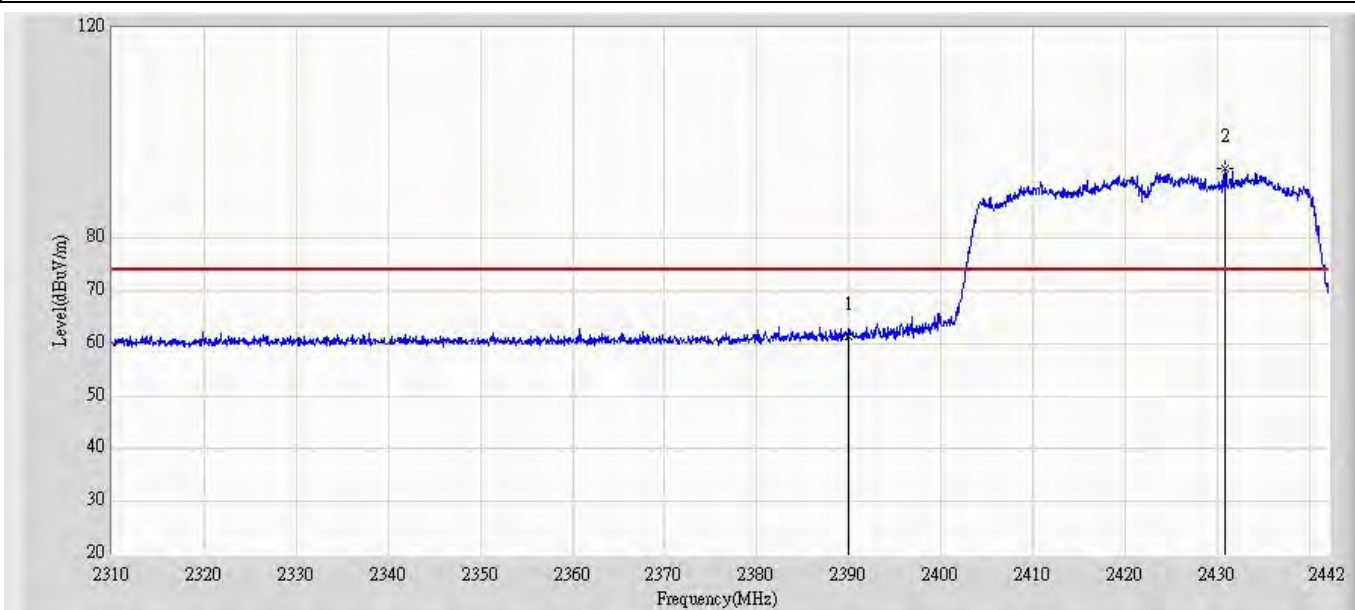
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2463.500	108.354	77.320	N/A	N/A	31.034	PK
2		2483.500	67.885	36.951	-6.115	74.000	30.934	PK

Profile: 10CS018R	Page No.: 48
Engineer: Steven	
Site: AC5	Time: 2010/12/13 - 15:48
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_499(1-18GHz)	Polarity: Vertical
EUT: ADSL2+4-port Wireless Router	Power: AC 120V/60Hz
Note: Mode 3:Transmit at 2412 by 802.11n(20MHz) ant 1	



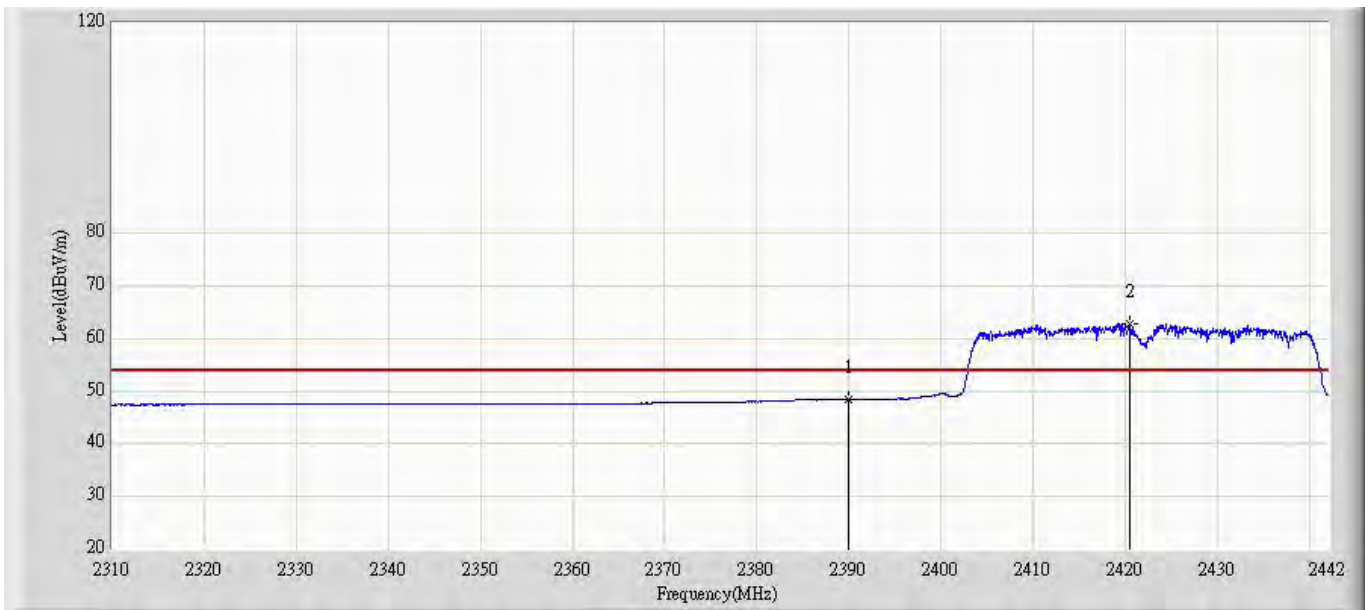
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2460.850	89.459	58.427	N/A	N/A	31.032	AV
2		2483.500	52.606	21.672	-1.394	54.000	30.934	AV

Profile: 10CS018R	Page No.: 49
Engineer: Steven	
Site: AC5	Time: 2010/12/13 - 16:55
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_499(1-18GHz)	Polarity: Horizontal
EUT: ADSL2+4-port Wireless Router	Power: AC 120V/60Hz
Note: Mode 4:Transmit at 2422 by 802.11n(40MHz) ant 0	



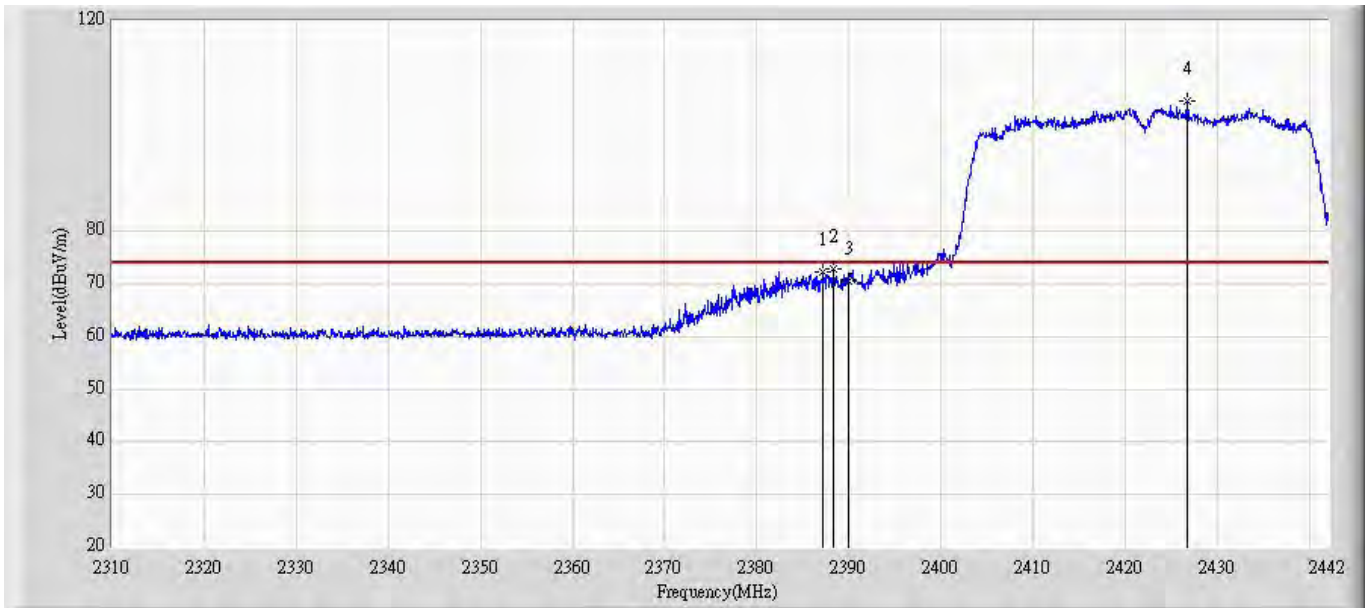
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		2390.000	61.499	30.587	-12.501	74.000	30.911	PK
2	*	2430.912	93.151	62.315	N/A	N/A	30.836	PK

Profile: 10CS018R	Page No.: 50
Engineer: Steven	
Site: AC5	Time: 2010/12/13 - 17:15
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_499(1-18GHz)	Polarity: Horizontal
EUT: ADSL2+4-port Wireless Router	Power: AC 120V/60Hz
Note: Mode 4:Transmit at 2422 by 802.11n(40MHz) ant 0	



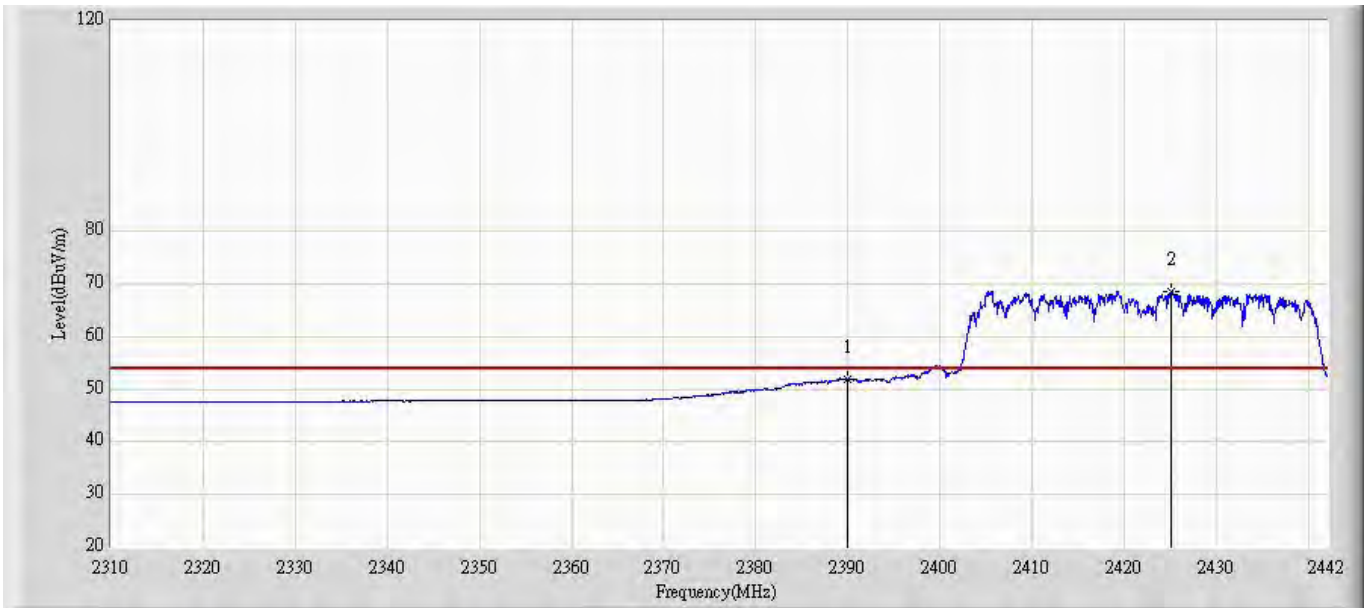
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		2390.000	48.516	17.604	-5.484	54.000	30.911	AV
2	*	2420.418	62.780	31.934	N/A	N/A	30.846	AV

Profile: 10CS018R	Page No.: 51
Engineer: Steven	
Site: AC5	Time: 2010/12/13 - 17:15
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_499(1-18GHz)	Polarity: Vertical
EUT: ADSL2+4-port Wireless Router	Power: AC 120V/60Hz
Note: Mode 4:Transmit at 2422 by 802.11n(40MHz) ant 0	



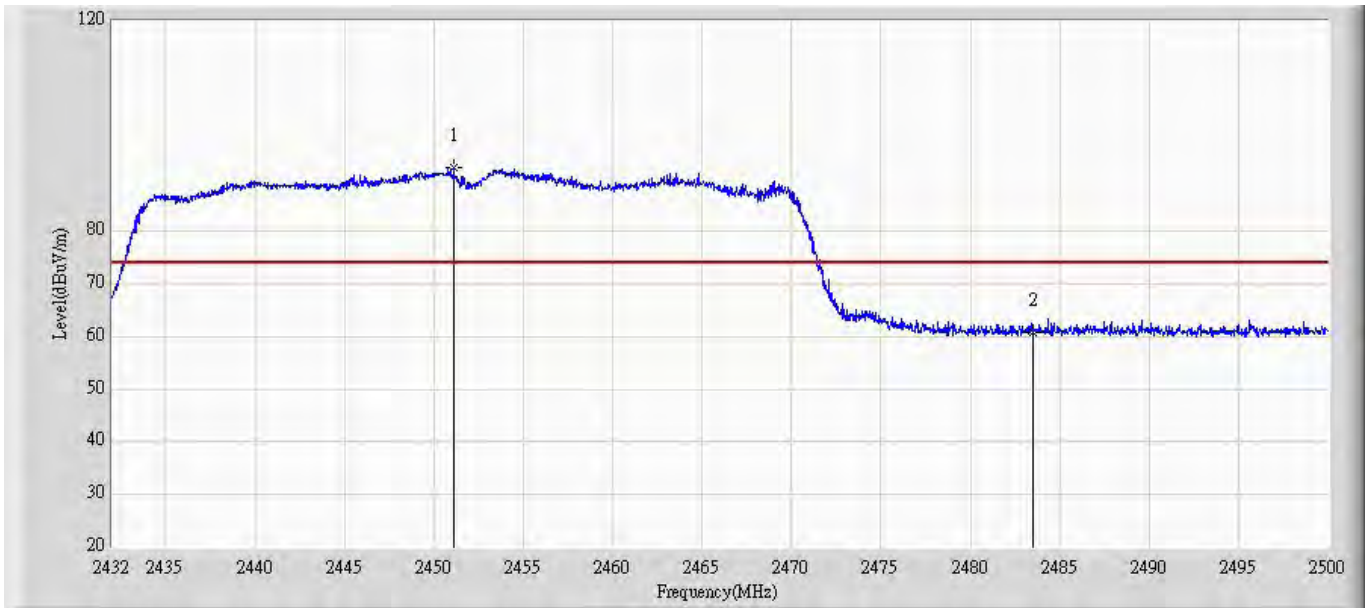
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		2387.220	72.340	41.432	-1.660	74.000	30.908	PK
2		2388.276	72.907	41.997	-1.093	74.000	30.910	PK
3		2390.000	70.518	39.606	-3.482	74.000	30.911	PK
4	*	2426.688	104.722	73.897	N/A	N/A	30.826	PK

Profile: 10CS018R	Page No.: 52
Engineer: Steven	
Site: AC5	Time: 2010/12/13 - 17:15
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_499(1-18GHz)	Polarity: Vertical
EUT: ADSL2+4-port Wireless Router	Power: AC 120V/60Hz
Note: Mode 4:Transmit at 2422 by 802.11n(40MHz) ant 0	



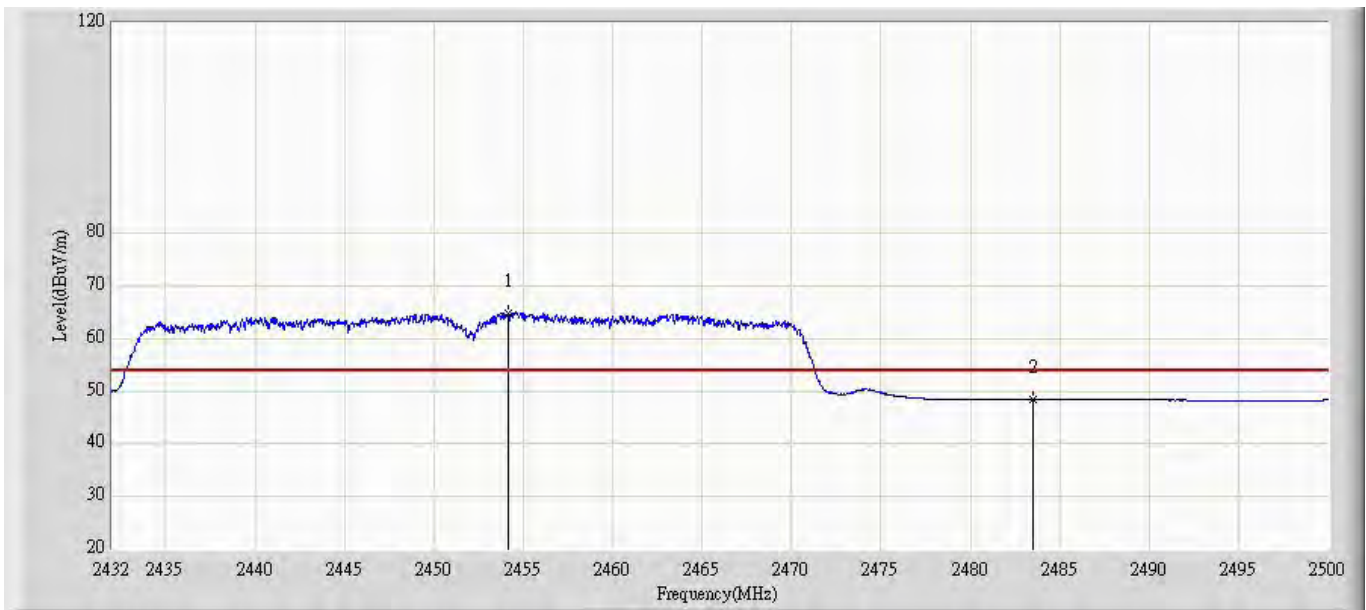
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		2390.000	51.796	20.884	-2.204	54.000	30.911	AV
2	*	2425.170	68.495	37.665	N/A	N/A	30.831	AV

Profile: 10CS018R	Page No.: 53
Engineer: Steven	
Site: AC5	Time: 2010/12/13 - 17:16
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_499(1-18GHz)	Polarity: Horizontal
EUT: ADSL2+4-port Wireless Router	Power: AC 120V/60Hz
Note: Mode 4:Transmit at 2452 by 802.11n(40MHz) ant 0	



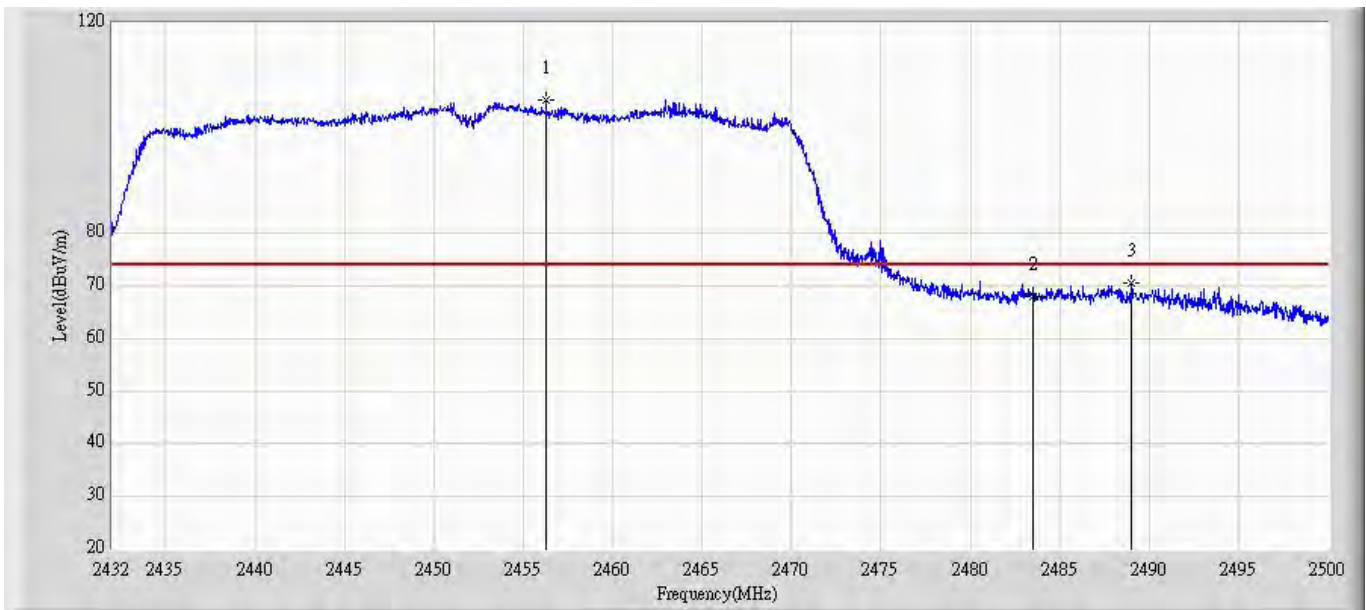
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2451.108	92.110	61.152	N/A	N/A	30.958	PK
2		2483.500	60.686	29.752	-13.314	74.000	30.934	PK

Profile: 10CS018R	Page No.: 54
Engineer: Steven	
Site: AC5	Time: 2010/12/13 - 17:20
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_499(1-18GHz)	Polarity: Horizontal
EUT: ADSL2+4-port Wireless Router	Power: AC 120V/60Hz
Note: Mode 4:Transmit at 2452 by 802.11n(40MHz) ant 0	



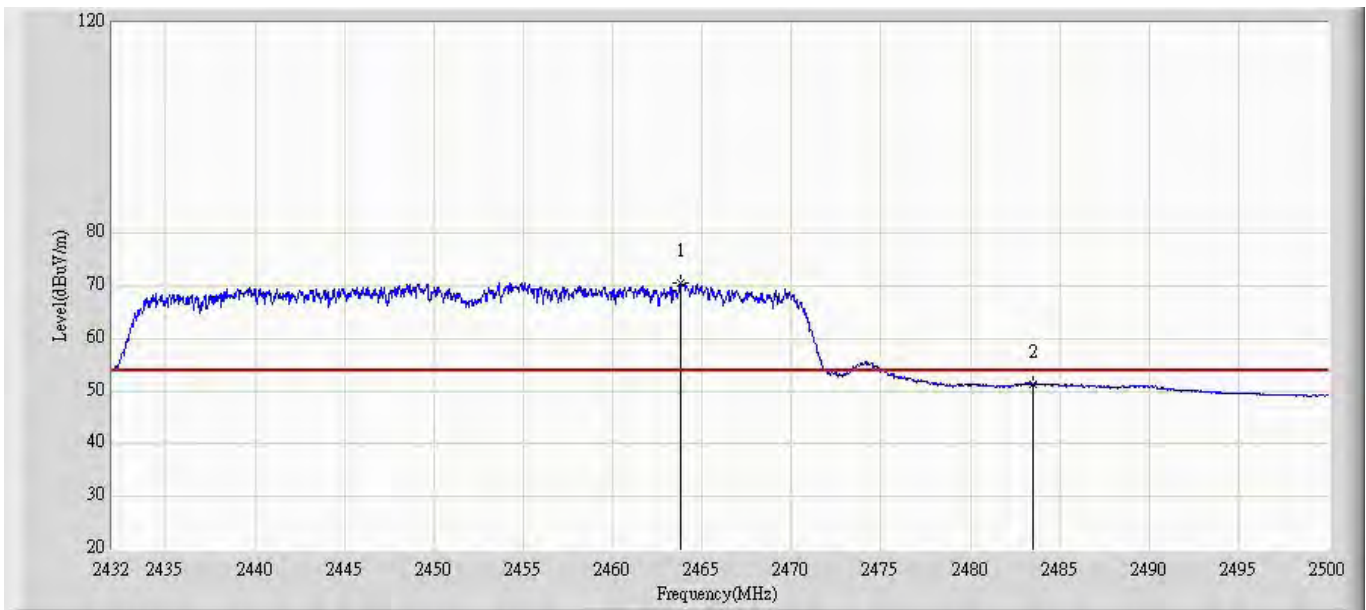
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2454.168	64.913	33.932	N/A	N/A	30.981	AV
2		2483.500	48.442	17.508	-5.558	54.000	30.934	AV

Profile: 10CS018R	Page No.: 55
Engineer: Steven	
Site: AC5	Time: 2010/12/13 - 17:22
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_499(1-18GHz)	Polarity: Vertical
EUT: ADSL2+4-port Wireless Router	Power: AC 120V/60Hz
Note: Mode 4:Transmit at 2452 by 802.11n(40MHz) ant 0	



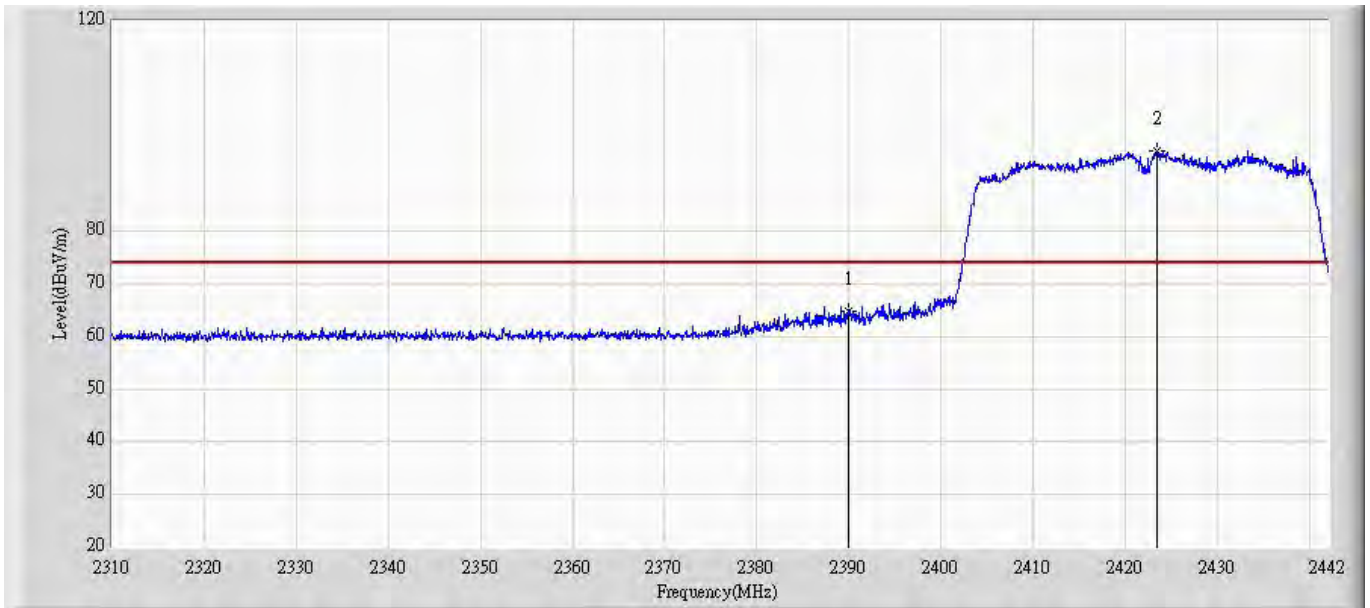
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2456.276	105.414	74.417	N/A	N/A	30.997	PK
2		2483.500	68.035	37.101	-5.965	74.000	30.934	PK
3		2489.018	70.488	39.591	-3.512	74.000	30.897	PK

Profile: 10CS018R	Page No.: 56
Engineer: Steven	
Site: AC5	Time: 2010/12/13 - 17:22
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_499(1-18GHz)	Polarity: Vertical
EUT: ADSL2+4-port Wireless Router	Power: AC 120V/60Hz
Note: Mode 4:Transmit at 2452 by 802.11n(40MHz) ant 0	



No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2463.790	70.521	39.488	N/A	N/A	31.033	AV
2		2483.500	51.371	20.437	-2.629	54.000	30.934	AV

Profile: 10CS018R	Page No.: 57
Engineer: Steven	
Site: AC5	Time: 2010/12/13 - 17:23
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_499(1-18GHz)	Polarity: Horizontal
EUT: ADSL2+4-port Wireless Router	Power: AC 120V/60Hz
Note: Mode 4:Transmit at 2422 by 802.11n(40MHz) ant 1	



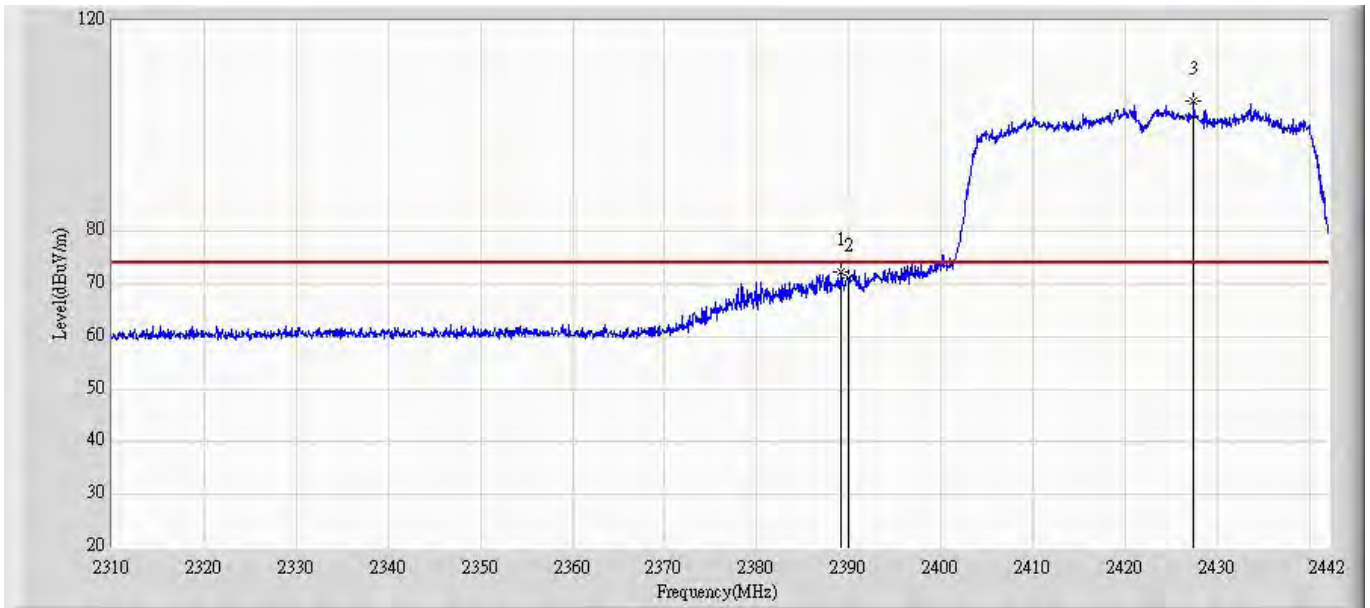
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		2390.000	64.950	34.038	-9.050	74.000	30.911	PK
2	*	2423.454	95.345	64.509	N/A	N/A	30.836	PK

Profile: 10CS018R	Page No.: 58
Engineer: Steven	
Site: AC5	Time: 2010/12/13 - 17:23
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_499(1-18GHz)	Polarity: Horizontal
EUT: ADSL2+4-port Wireless Router	Power: AC 120V/60Hz
Note: Mode 4:Transmit at 2422 by 802.11n(40MHz) ant 1	



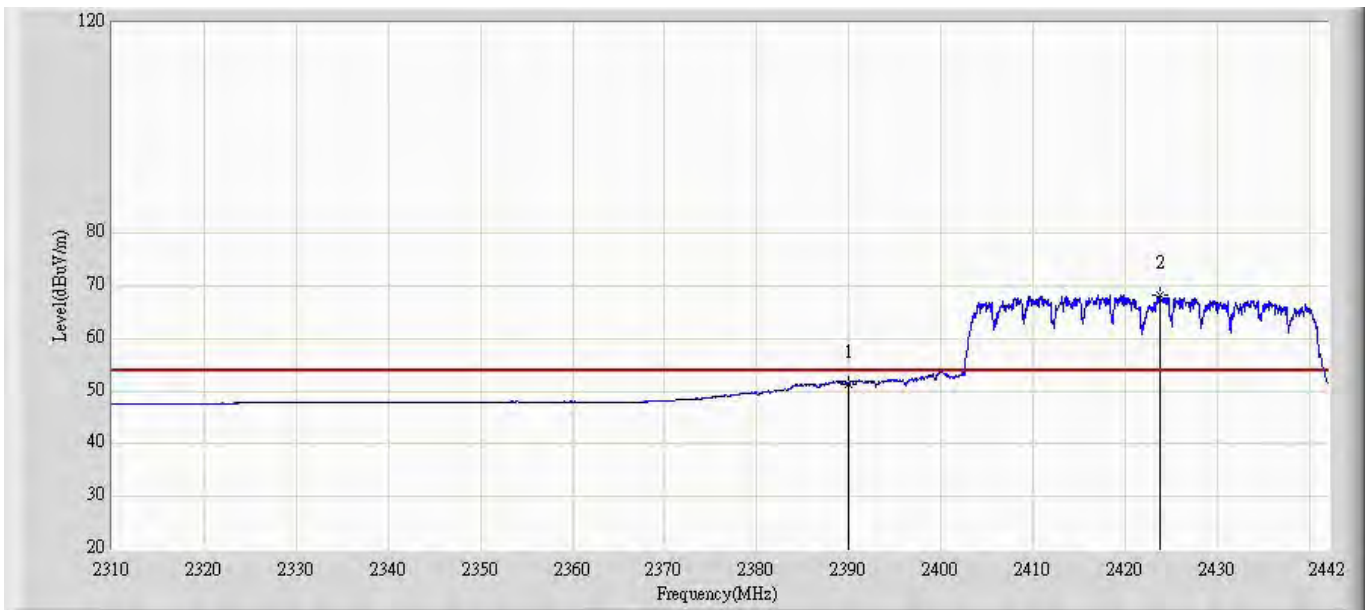
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		2390.000	48.975	18.063	-5.025	54.000	30.911	AV
2	*	2425.368	65.190	34.360	N/A	N/A	30.830	AV

Profile: 10CS018R	Page No.: 59
Engineer: Steven	
Site: AC5	Time: 2010/12/13 - 17:23
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_499(1-18GHz)	Polarity: Vertical
EUT: ADSL2+4-port Wireless Router	Power: AC 120V/60Hz
Note: Mode 4:Transmit at 2422 by 802.11n(40MHz) ant 1	



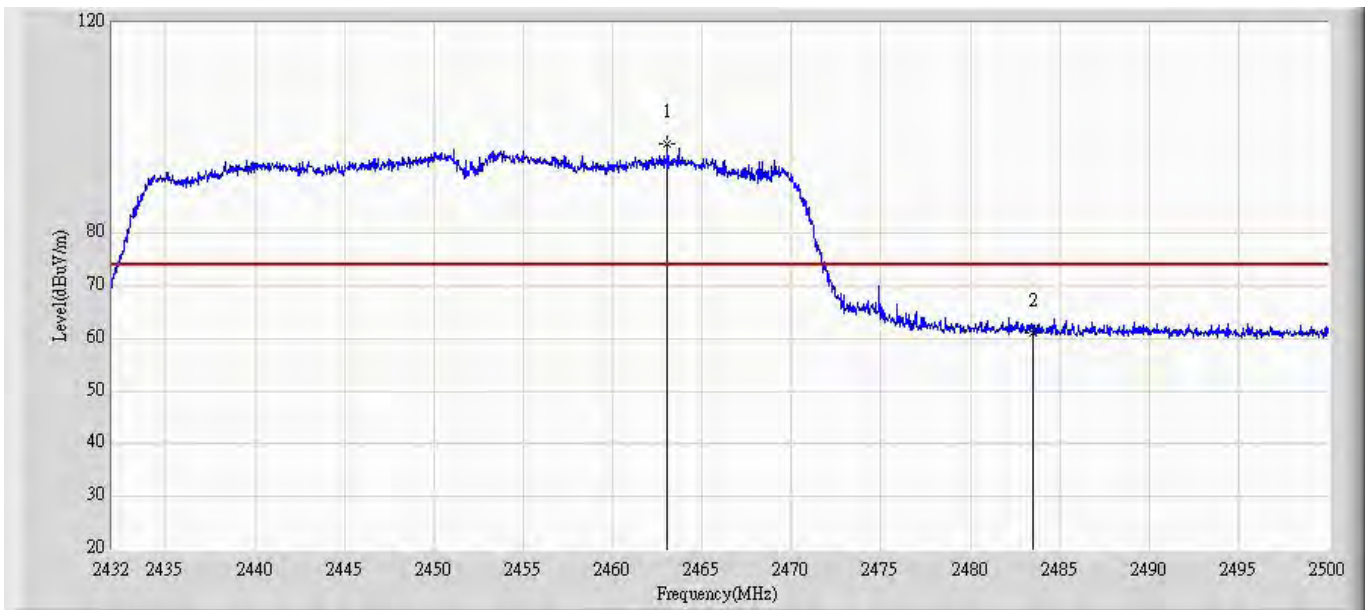
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		2389.068	72.218	41.308	-1.782	74.000	30.911	PK
2		2390.000	71.155	40.243	-2.845	74.000	30.911	PK
3	*	2427.414	104.731	73.908	N/A	N/A	30.823	PK

Profile: 10CS018R	Page No.: 60
Engineer: Steven	
Site: AC5	Time: 2010/12/13 - 17:23
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_499(1-18GHz)	Polarity: Vertical
EUT: ADSL2+4-port Wireless Router	Power: AC 120V/60Hz
Note: Mode 4:Transmit at 2422 by 802.11n(40MHz) ant 1	



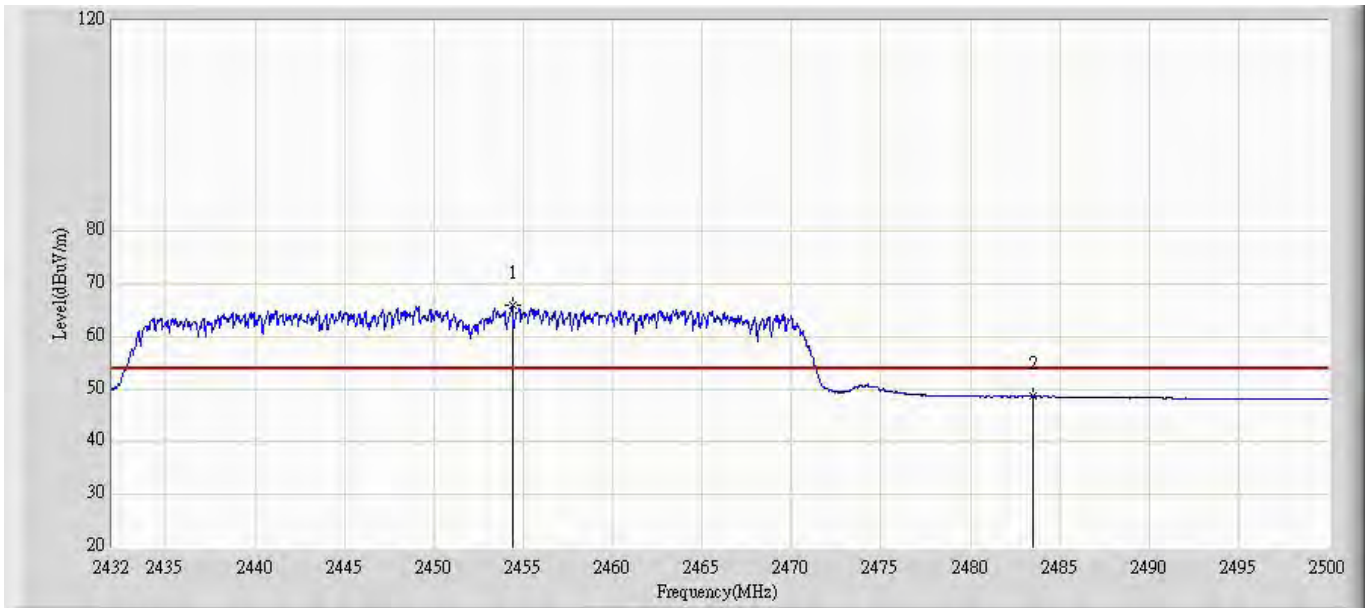
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		2390.000	51.448	20.536	-2.552	54.000	30.911	AV
2	*	2423.784	68.412	37.577	N/A	N/A	30.834	AV

Profile: 10CS018R	Page No.: 61
Engineer: Steven	
Site: AC5	Time: 2010/12/13 - 17:24
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_499(1-18GHz)	Polarity: Horizontal
EUT: ADSL2+4-port Wireless Router	Power: AC 120V/60Hz
Note: Mode 4:Transmit at 2452 by 802.11n(40MHz) ant 1	



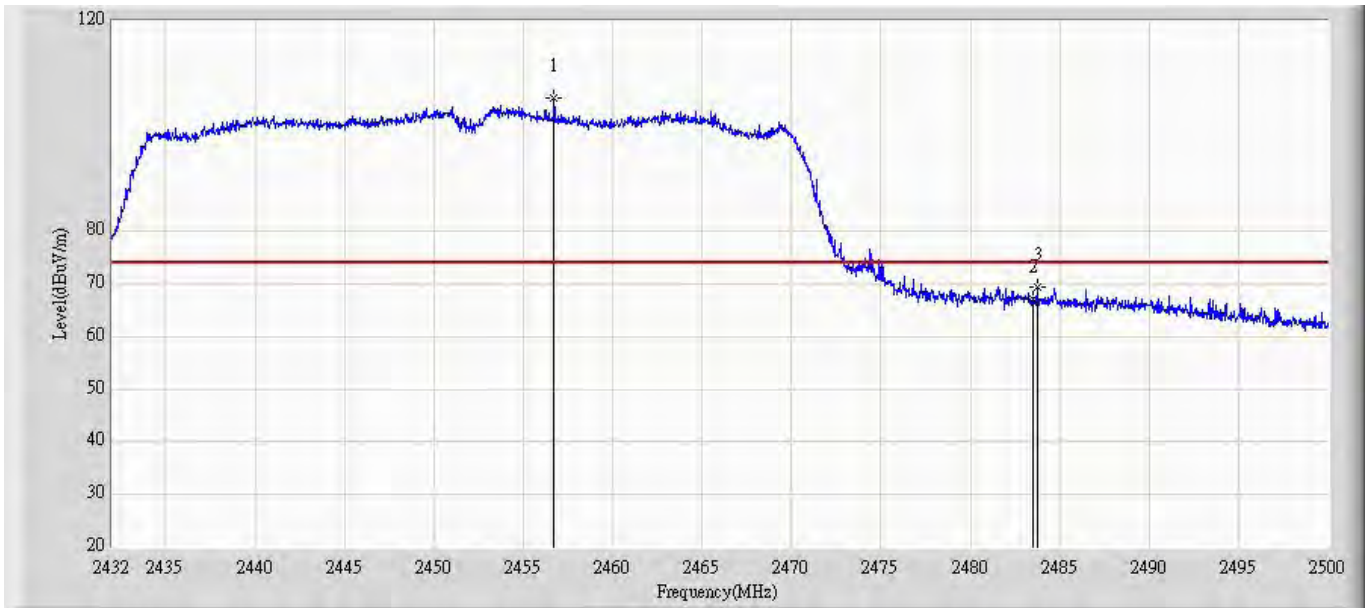
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2463.076	96.981	65.945	N/A	N/A	31.036	PK
2		2483.500	61.059	30.125	-12.941	74.000	30.934	PK

Profile: 10CS018R	Page No.: 62
Engineer: Steven	
Site: AC5	Time: 2010/12/13 - 17:24
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_499(1-18GHz)	Polarity: Horizontal
EUT: ADSL2+4-port Wireless Router	Power: AC 120V/60Hz
Note: Mode 4:Transmit at 2452 by 802.11n(40MHz) ant 1	



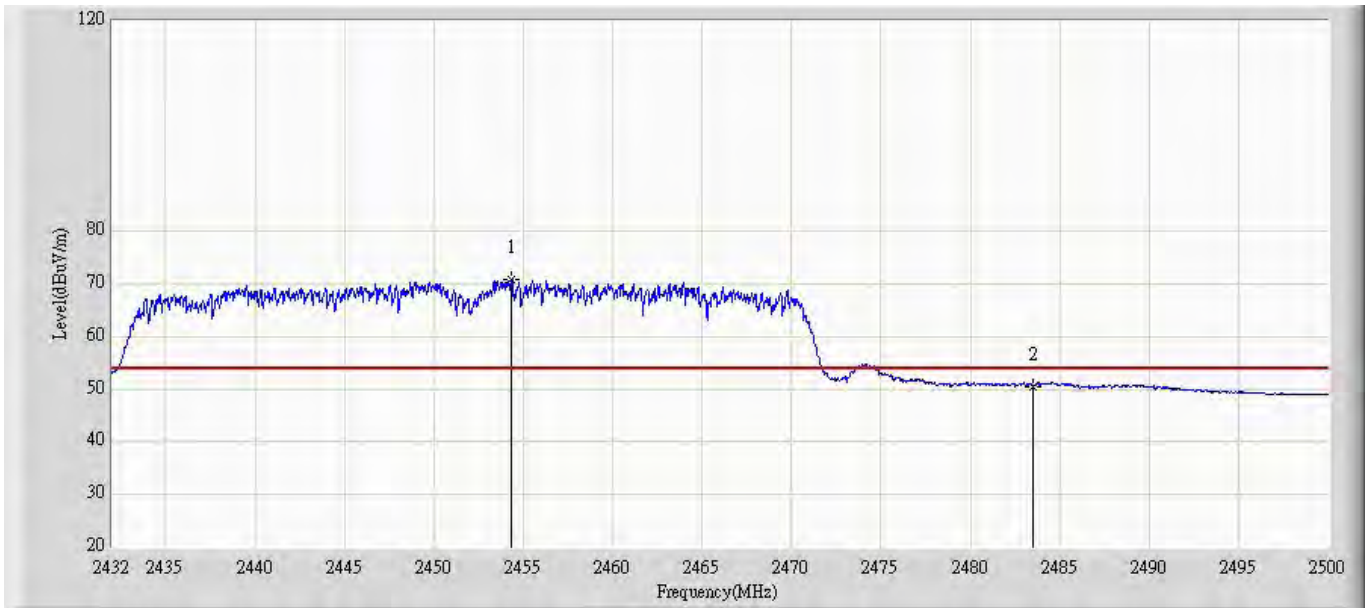
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2454.372	65.891	34.908	N/A	N/A	30.983	AV
2		2483.500	48.691	17.757	-5.309	54.000	30.934	AV

Profile: 10CS018R	Page No.: 63
Engineer: Steven	
Site: AC5	Time: 2010/12/13 - 17:24
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_499(1-18GHz)	Polarity: Vertical
EUT: ADSL2+4-port Wireless Router	Power: AC 120V/60Hz
Note: Mode 4:Transmit at 2452 by 802.11n(40MHz) ant 1	



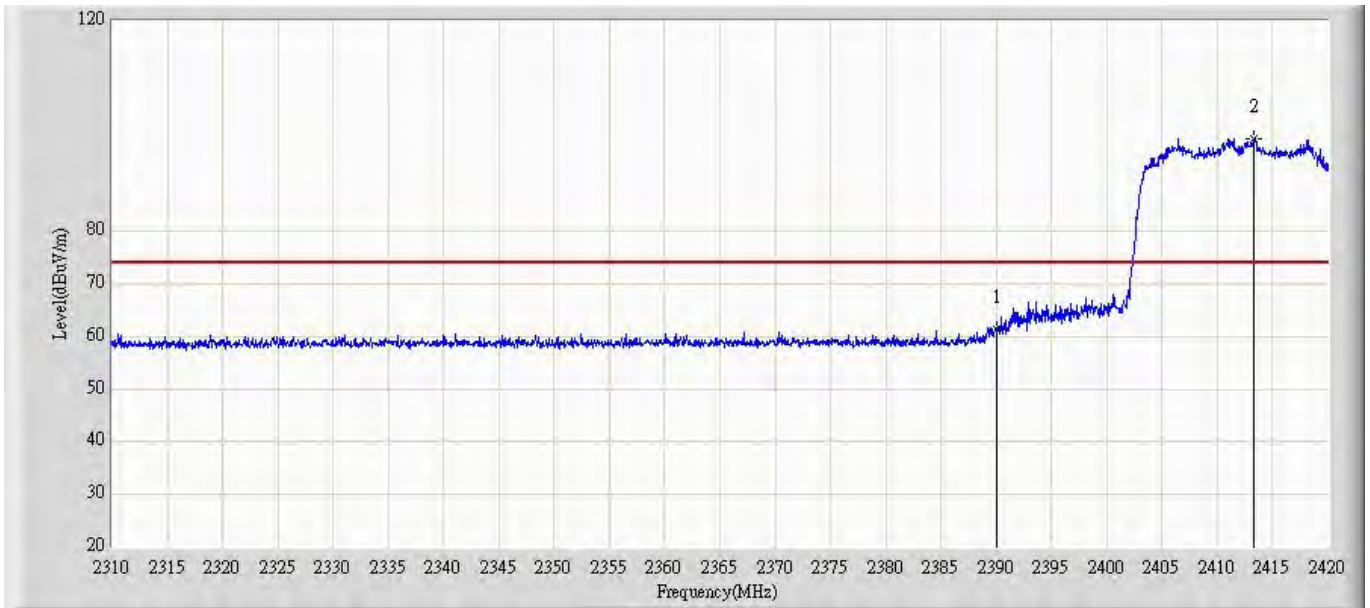
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2456.718	105.356	74.355	N/A	N/A	31.001	PK
2		2483.500	67.055	36.121	-6.945	74.000	30.934	PK
3		2483.748	69.549	38.616	-4.451	74.000	30.932	PK

Profile: 10CS018R	Page No.: 64
Engineer: Steven	
Site: AC5	Time: 2010/12/13 - 17:25
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_499(1-18GHz)	Polarity: Vertical
EUT: ADSL2+4-port Wireless Router	Power: AC 120V/60Hz
Note: Mode 4:Transmit at 2452 by 802.11n(40MHz) ant 1	



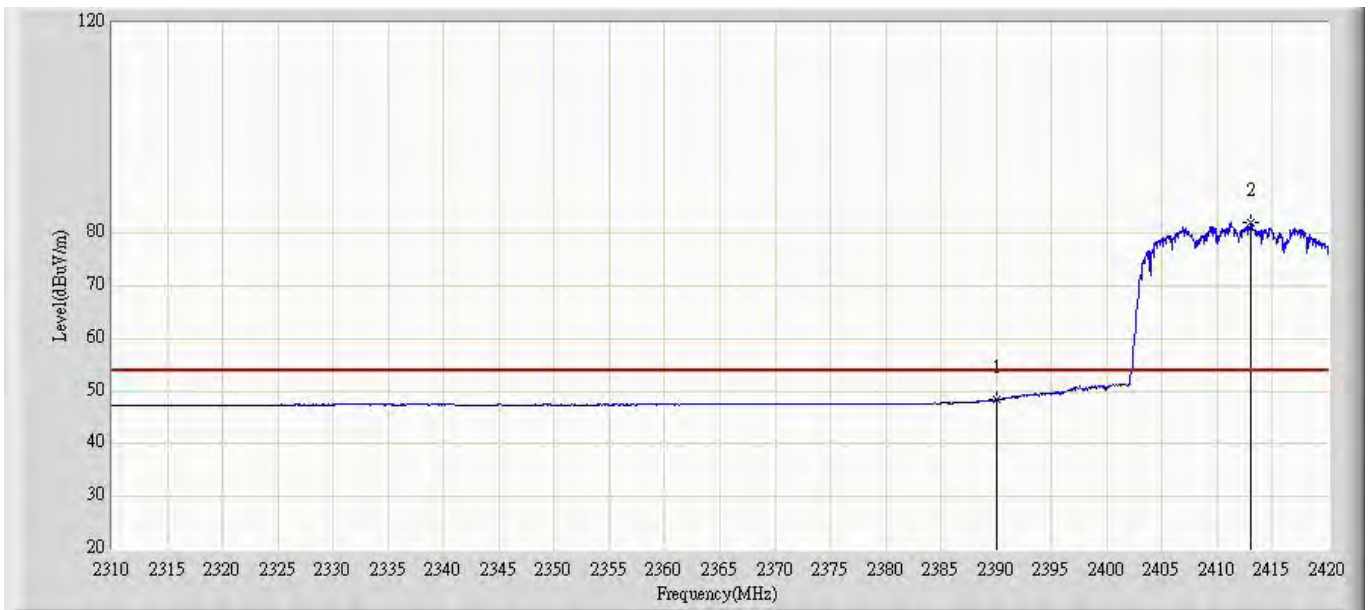
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2454.338	70.933	39.951	N/A	N/A	30.982	AV
2		2483.500	50.517	19.583	-3.483	54.000	30.934	AV

Profile: 10CS018R	Page No.: 65
Engineer: Steven	
Site: AC5	Time: 2010/12/13 - 19:46
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_499(1-18GHz)	Polarity: Horizontal
EUT: ADSL2+4-port Wireless Router	Power: AC 120V/60Hz
Note: Mode 3:Transmit at 2412 by 802.11n(20MHz) ant 0 + ant 1	



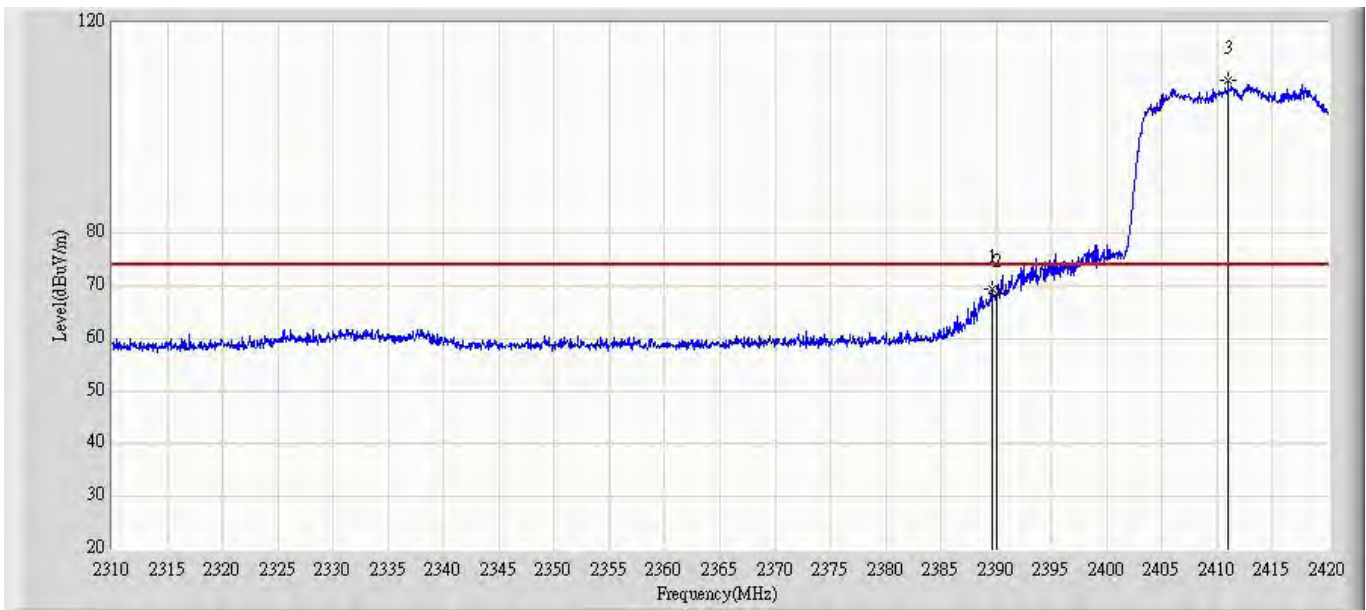
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		2390.000	61.333	30.421	-12.667	74.000	30.911	PK
2	*	2413.235	97.695	66.825	N/A	N/A	30.870	PK

Profile: 10CS018R	Page No.: 66
Engineer: Steven	
Site: AC5	Time: 2010/12/13 - 19:46
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_499(1-18GHz)	Polarity: Horizontal
EUT: ADSL2+4-port Wireless Router	Power: AC 120V/60Hz
Note: Mode 3:Transmit at 2412 by 802.11n(20MHz) ant 0 + ant 1	



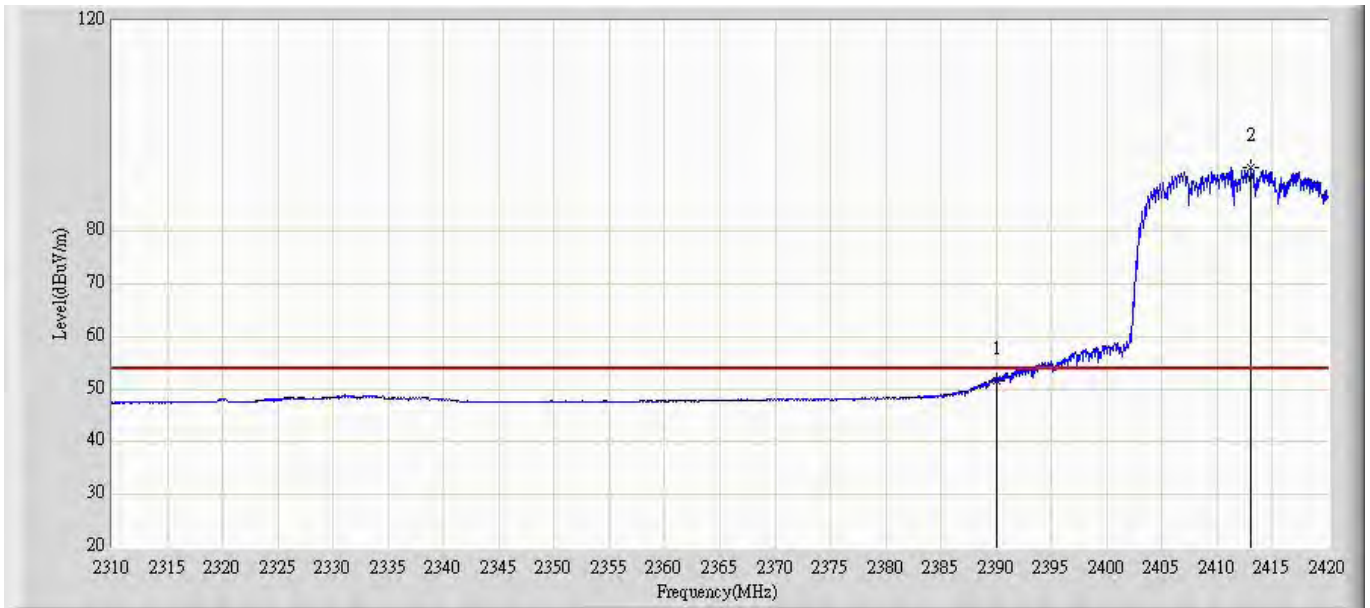
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		2390.000	48.316	17.404	-5.684	54.000	30.911	AV
2	*	2413.070	82.103	51.233	N/A	N/A	30.870	AV

Profile: 10CS018R	Page No.: 67
Engineer: Steven	
Site: AC5	Time: 2010/12/13 - 19:46
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_499(1-18GHz)	Polarity: Vertical
EUT: ADSL2+4-port Wireless Router	Power: AC 120V/60Hz
Note: Mode 3:Transmit at 2412 by 802.11n(20MHz) ant 0 + ant 1	



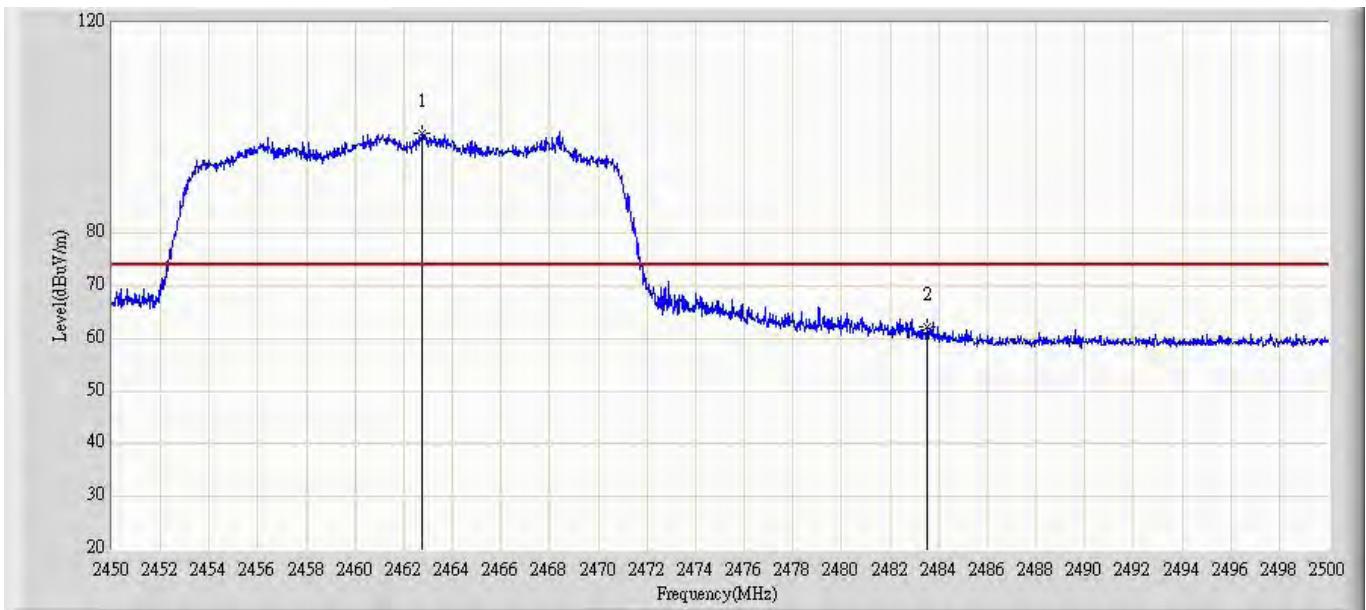
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		2389.585	69.361	38.450	-4.639	74.000	30.911	PK
2		2390.000	68.425	37.513	-5.575	74.000	30.911	PK
3	*	2410.980	109.167	78.290	N/A	N/A	30.877	PK

Profile: 10CS018R	Page No.: 68
Engineer: Steven	
Site: AC5	Time: 2010/12/13 - 19:47
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_499(1-18GHz)	Polarity: Vertical
EUT: ADSL2+4-port Wireless Router	Power: AC 120V/60Hz
Note: Mode 3:Transmit at 2412 by 802.11n(20MHz) ant 0 + ant 1	



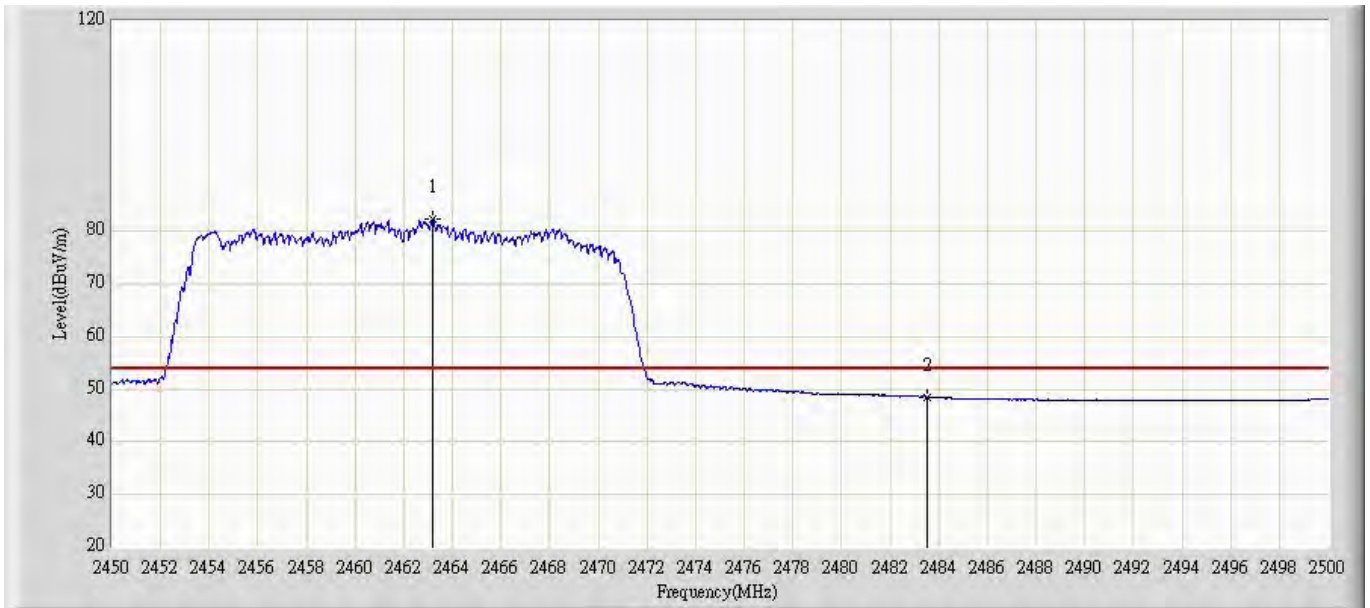
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		2390.000	51.556	20.644	-2.444	54.000	30.911	AV
2	*	2413.015	92.255	61.385	N/A	N/A	30.871	AV

Profile: 10CS018R	Page No.: 69
Engineer: Steven	
Site: AC5	Time: 2010/12/13 - 19:47
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_499(1-18GHz)	Polarity: Horizontal
EUT: ADSL2+4-port Wireless Router	Power: AC 120V/60Hz
Note: Mode 3:Transmit at 2462 by 802.11n(20MHz) ant 0 + ant 1	



No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2462.750	99.033	67.995	N/A	N/A	31.038	PK
2		2483.500	62.251	31.317	-11.749	74.000	30.934	PK

Profile: 10CS018R	Page No.: 70
Engineer: Steven	
Site: AC5	Time: 2010/12/13 - 19:47
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_499(1-18GHz)	Polarity: Horizontal
EUT: ADSL2+4-port Wireless Router	Power: AC 120V/60Hz
Note: Mode 3:Transmit at 2462 by 802.11n(20MHz) ant 0 + ant 1	



No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2463.175	82.339	51.303	N/A	N/A	31.035	AV
2		2483.500	48.497	17.563	-5.503	54.000	30.934	AV

Profile: 10CS018R	Page No.: 71
Engineer: Steven	
Site: AC5	Time: 2010/12/13 - 19:47
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_499(1-18GHz)	Polarity: Vertical
EUT: ADSL2+4-port Wireless Router	Power: AC 120V/60Hz
Note: Mode 3:Transmit at 2462 by 802.11n(20MHz) ant 0 + ant 1	



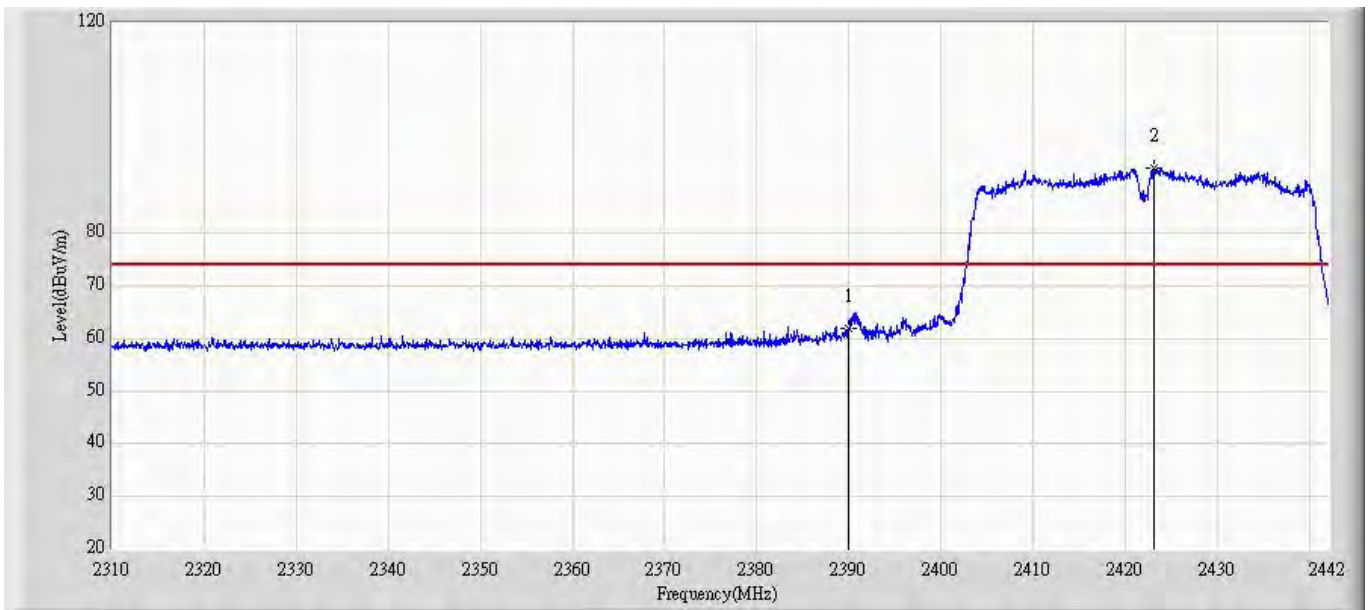
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2461.300	109.959	78.923	N/A	N/A	31.036	PK
2		2483.250	72.100	41.164	-1.900	74.000	30.936	PK
3		2483.500	69.746	38.812	-4.254	74.000	30.934	PK

Profile: 10CS018R	Page No.: 72
Engineer: Steven	
Site: AC5	Time: 2010/12/13 - 19:47
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_499(1-18GHz)	Polarity: Vertical
EUT: ADSL2+4-port Wireless Router	Power: AC 120V/60Hz
Note: Mode 3:Transmit at 2462 by 802.11n(20MHz) ant 0 + ant 1	



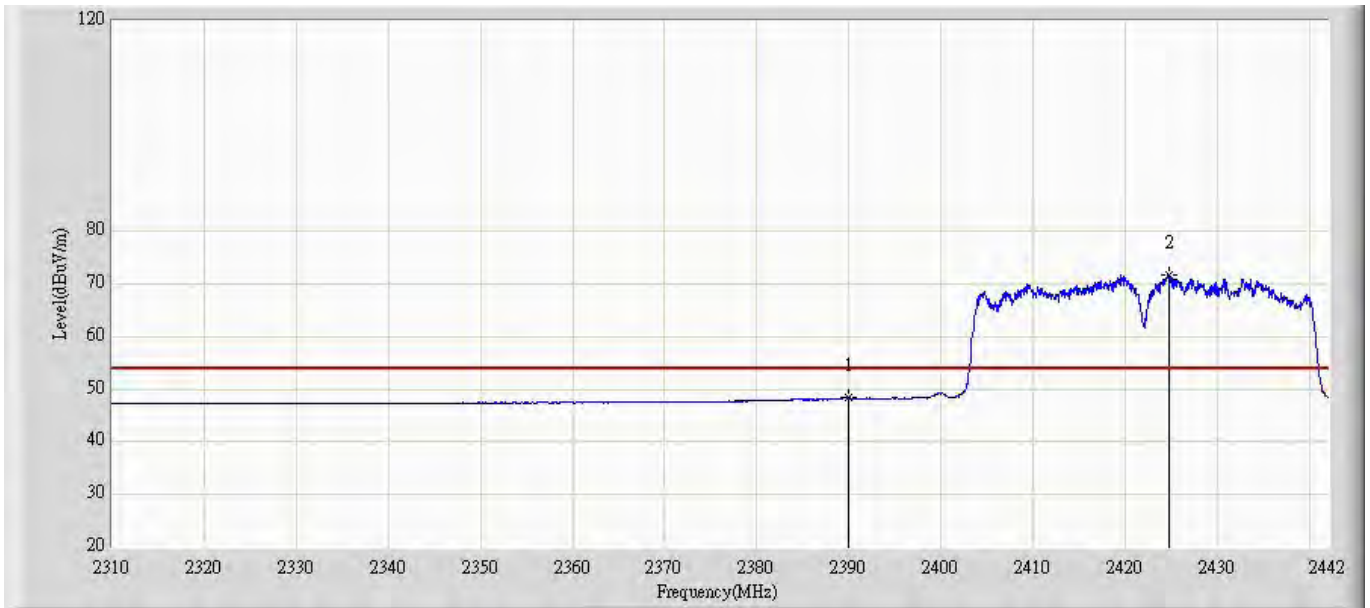
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2460.900	95.166	64.133	N/A	N/A	31.033	AV
2		2483.500	53.461	22.527	-0.539	54.000	30.934	AV

Profile: 10CS018R	Page No.: 73
Engineer: Steven	
Site: AC5	Time: 2010/12/13 - 20:07
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_499(1-18GHz)	Polarity: Horizontal
EUT: ADSL2+4-port Wireless Router	Power: AC 120V/60Hz
Note: Mode 4:Transmit at 2422 by 802.11n(40MHz) ant 0 + ant 1	



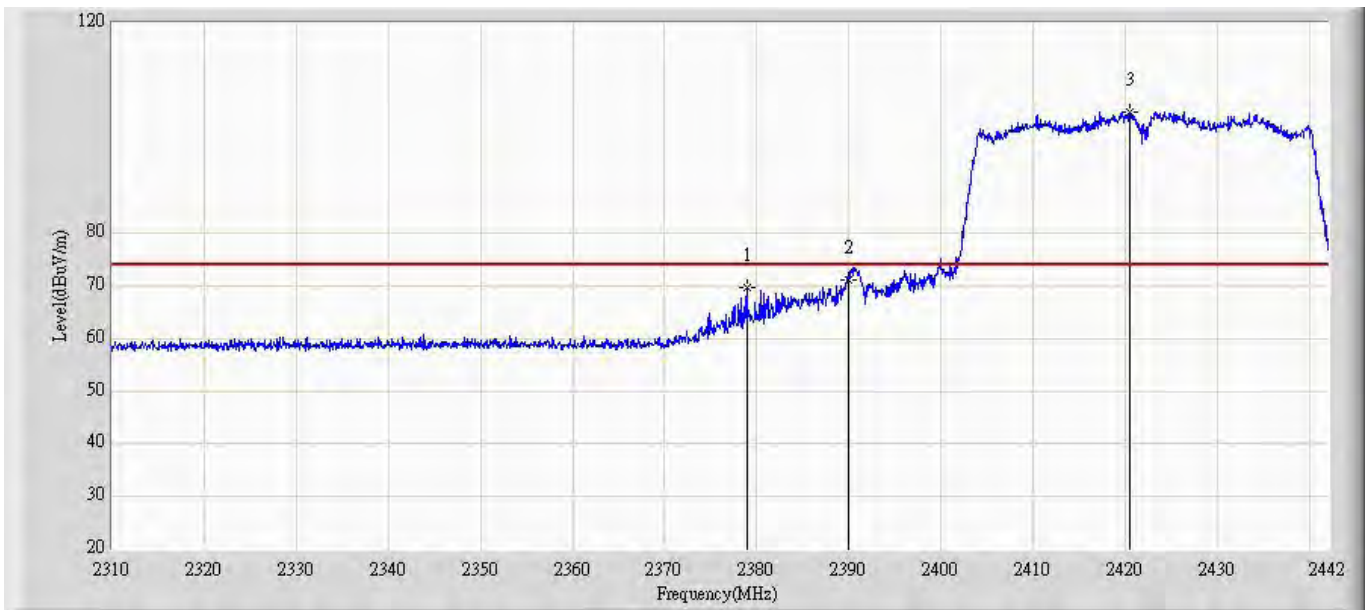
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		2390.000	61.841	30.929	-12.159	74.000	30.911	PK
2	*	2423.124	92.337	61.500	N/A	N/A	30.837	PK

Profile: 10CS018R	Page No.: 74
Engineer: Steven	
Site: AC5	Time: 2010/12/13 - 20:08
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_499(1-18GHz)	Polarity: Horizontal
EUT: ADSL2+4-port Wireless Router	Power: AC 120V/60Hz
Note: Mode 4:Transmit at 2422 by 802.11n(40MHz) ant 0 + ant 1	



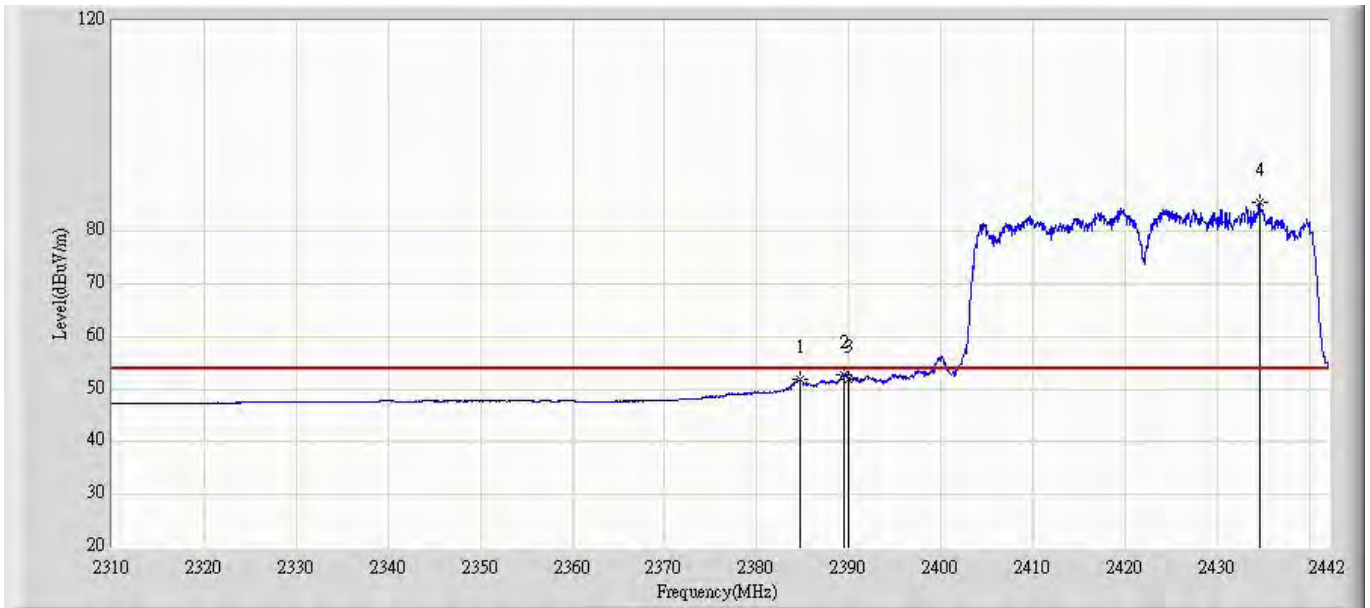
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		2390.000	48.316	17.404	-5.684	54.000	30.911	AV
2	*	2424.708	71.841	41.009	N/A	N/A	30.832	AV

Profile: 10CS018R	Page No.: 75
Engineer: Steven	
Site: AC5	Time: 2010/12/13 - 20:08
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_499(1-18GHz)	Polarity: Vertical
EUT: ADSL2+4-port Wireless Router	Power: AC 120V/60Hz
Note: Mode 4:Transmit at 2422 by 802.11n(40MHz) ant 0 + ant 1	



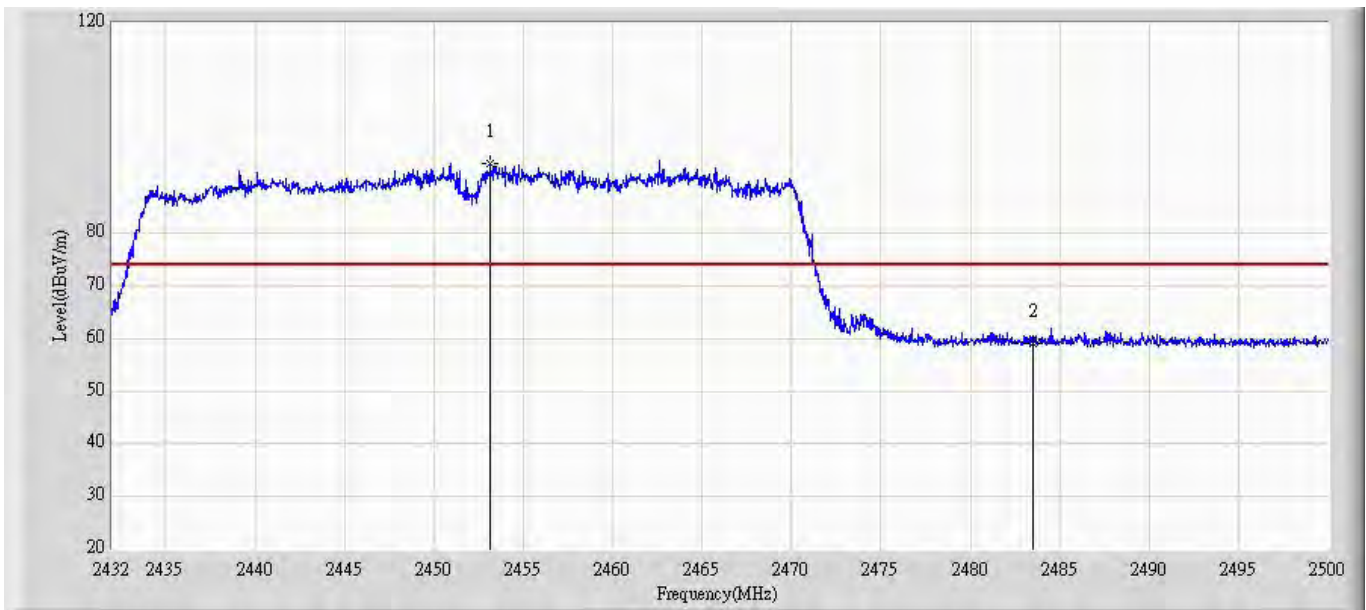
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		2378.904	69.595	38.696	-4.405	74.000	30.899	PK
2		2390.000	71.180	40.268	-2.820	74.000	30.911	PK
3	*	2420.550	103.052	72.206	N/A	N/A	30.845	PK

Profile: 10CS018R	Page No.: 76
Engineer: Steven	
Site: AC5	Time: 2010/12/13 - 20:08
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_499(1-18GHz)	Polarity: Vertical
EUT: ADSL2+4-port Wireless Router	Power: AC 120V/60Hz
Note: Mode 4:Transmit at 2422 by 802.11n(40MHz) ant 0 + ant 1	



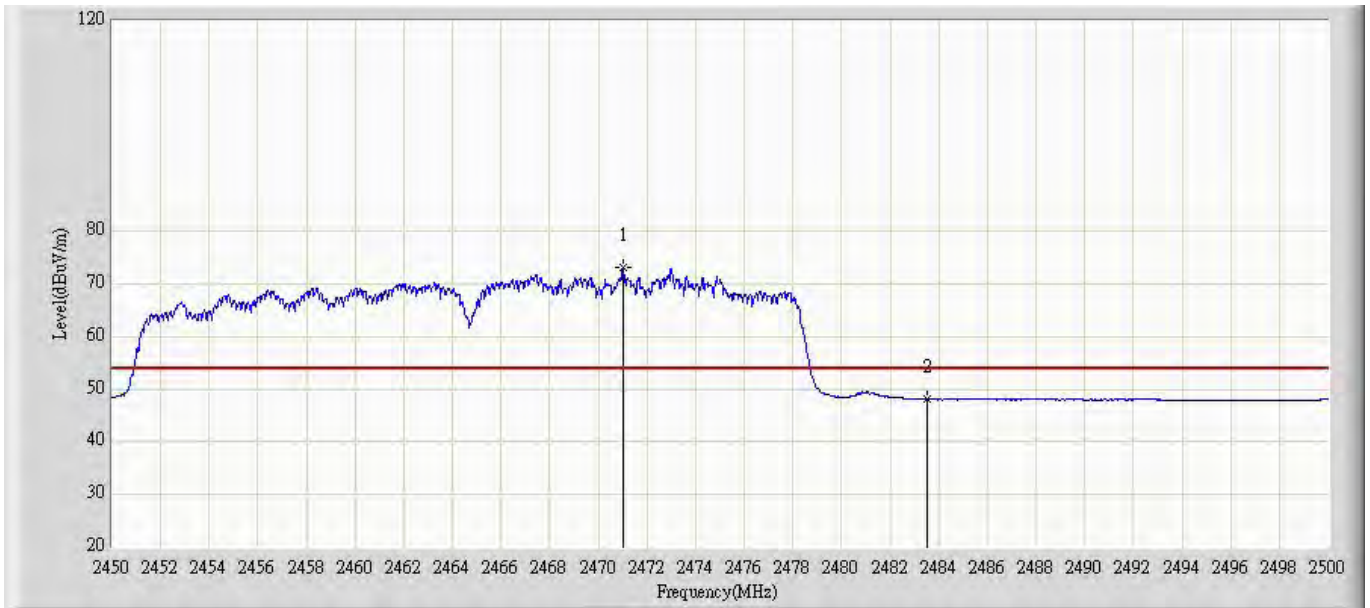
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		2384.646	51.849	20.943	-2.151	54.000	30.906	AV
2		2389.464	52.888	21.977	-1.112	54.000	30.911	AV
3		2390.000	51.989	21.077	-2.011	54.000	30.911	AV
4	*	2434.542	85.607	54.751	N/A	N/A	30.855	AV

Profile: 10CS018R	Page No.: 77
Engineer: Steven	
Site: AC5	Time: 2010/12/13 - 20:08
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_499(1-18GHz)	Polarity: Horizontal
EUT: ADSL2+4-port Wireless Router	Power: AC 120V/60Hz
Note: Mode 4:Transmit at 2452 by 802.11n(40MHz) ant 0 + ant 1	



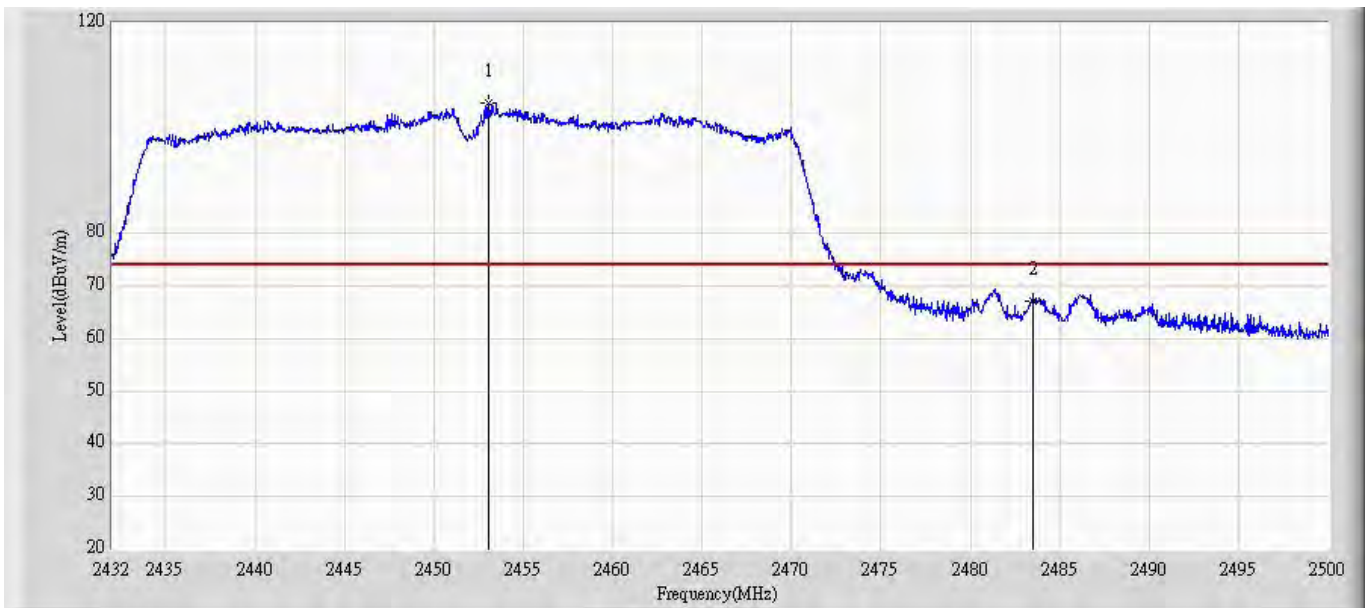
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2453.182	93.395	62.421	N/A	N/A	30.974	PK
2		2483.500	58.952	28.018	-15.048	74.000	30.934	PK

Profile: 10CS018R	Page No.: 78
Engineer: Steven	
Site: AC5	Time: 2010/12/13 - 20:09
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_499(1-18GHz)	Polarity: Horizontal
EUT: ADSL2+4-port Wireless Router	Power: AC 120V/60Hz
Note: Mode 4:Transmit at 2452 by 802.11n(40MHz) ant 0 + ant 1	



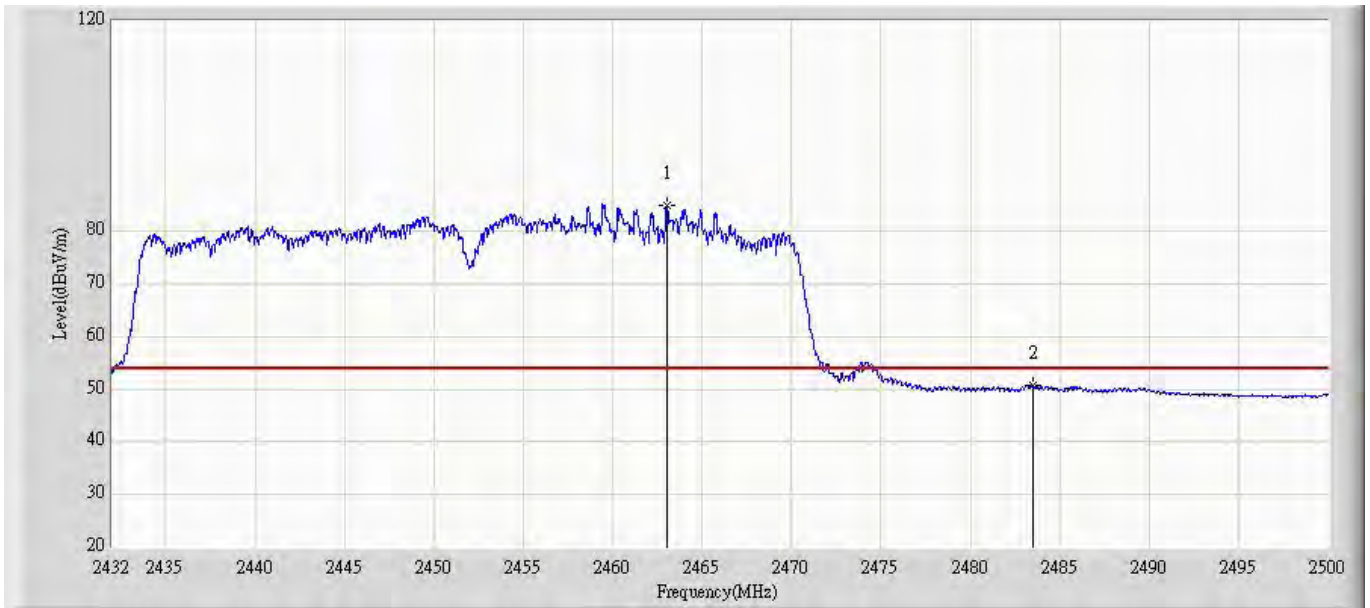
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2471.000	73.035	42.034	N/A	N/A	31.001	AV
2		2483.500	48.179	17.245	-5.821	54.000	30.934	AV

Profile: 10CS018R	Page No.: 79
Engineer: Steven	
Site: AC5	Time: 2010/12/13 - 20:09
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_499(1-18GHz)	Polarity: Vertical
EUT: ADSL2+4-port Wireless Router	Power: AC 120V/60Hz
Note: Mode 4:Transmit at 2452 by 802.11n(40MHz) ant 0 + ant 1	



No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2453.046	104.782	73.809	N/A	N/A	30.973	PK
2		2483.500	67.166	36.232	-6.834	74.000	30.934	PK

Profile: 10CS018R	Page No.: 80
Engineer: Steven	
Site: AC5	Time: 2010/12/13 - 20:09
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_499(1-18GHz)	Polarity: Vertical
EUT: ADSL2+4-port Wireless Router	Power: AC 120V/60Hz
Note: Mode 4:Transmit at 2452 by 802.11n(40MHz) ant 0 + ant 1	



No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2463.008	84.853	53.817	N/A	N/A	31.036	AV
2		2483.500	50.722	19.788	-3.278	54.000	30.934	AV

7. Operation Frequency Range of 20dB Bandwidth

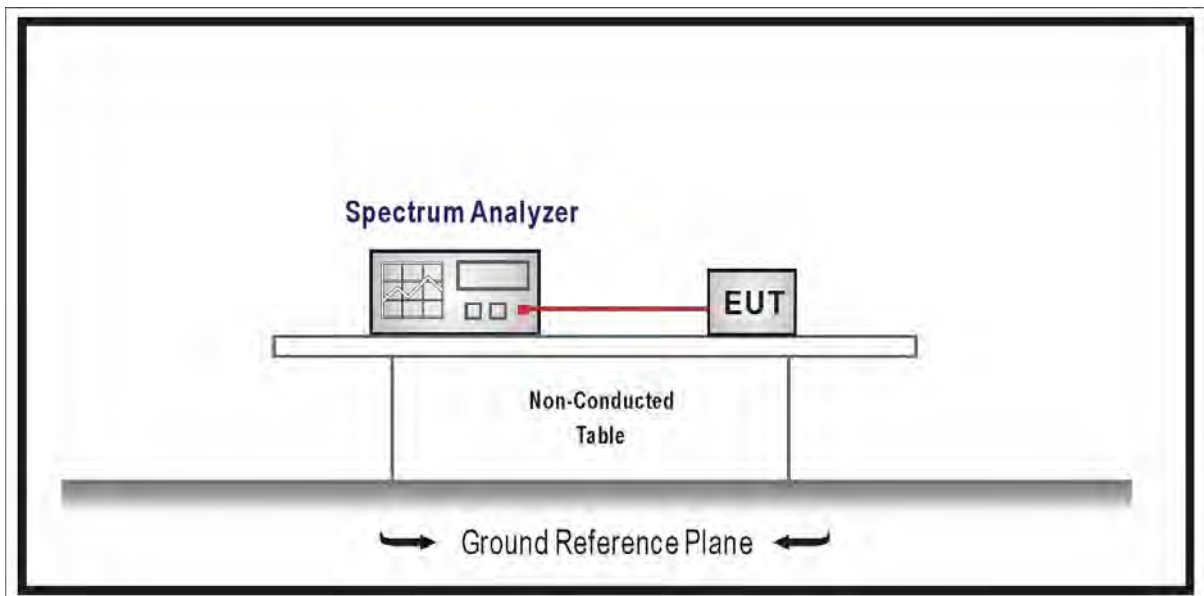
7.1. Test Equipment

Operation Frequency Range of 20dB Bandwidth / TR-8

Instrument	Manufacturer	Type No.	Serial No.	Cali. Due Date
Spectrum Analyzer	Agilent	E4446A	MY45300103	2011.04.30
Temperature/Humidity Meter	zhicheng	ZC1-2	TR8-TH	2011.01.14

Note: All equipments are calibrated with traceable calibrations. Each calibration is traceable to the national or international standards.

7.2. Test Setup



7.3. Limit

20 dB bandwidth of the emission is contained within the operation frequency band.

7.4. Test Procedure

The EUT was tested according to ANSI C63.10: 2009 for compliance to FCC 47CFR 15.247 requirements.

Set RBW = 100 kHz, Span greater than RBW.

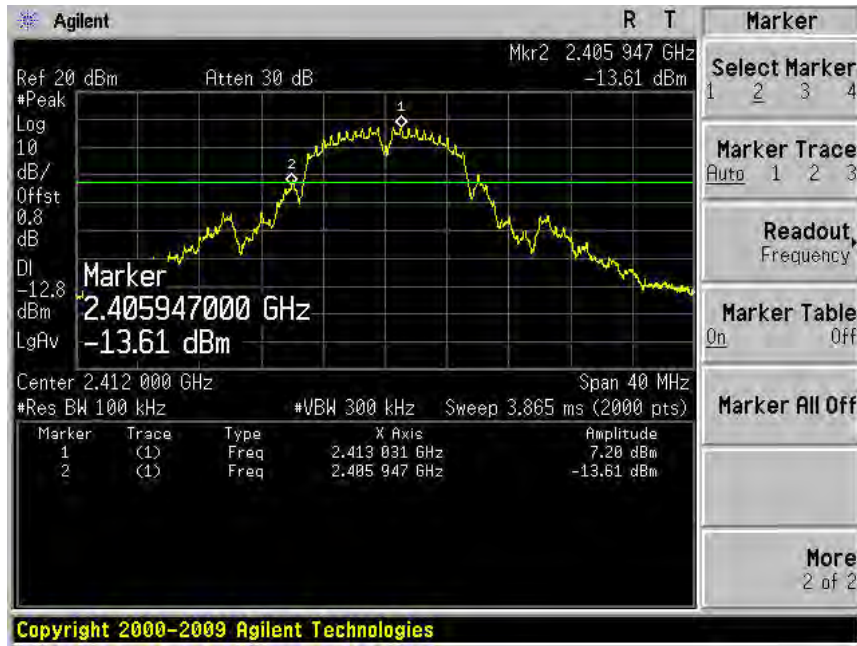
7.5. Uncertainty

The measurement uncertainty is defined as ± 1 kHz

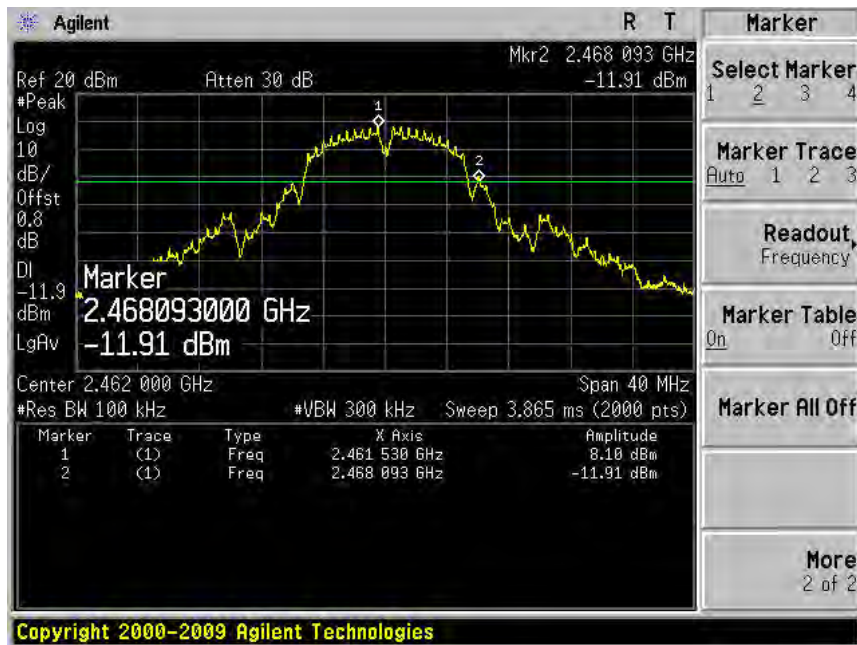
7.6. Test Result

Product	:	ADSL2+ 4-port Wireless Router
Test Item	:	Operation Frequency Range of 20dB Bandwidth
Test Site	:	TR-8
Test Mode	:	Mode 1: Transmit by 802.11b (Ant 0)

Channel 01 (2412MHz)

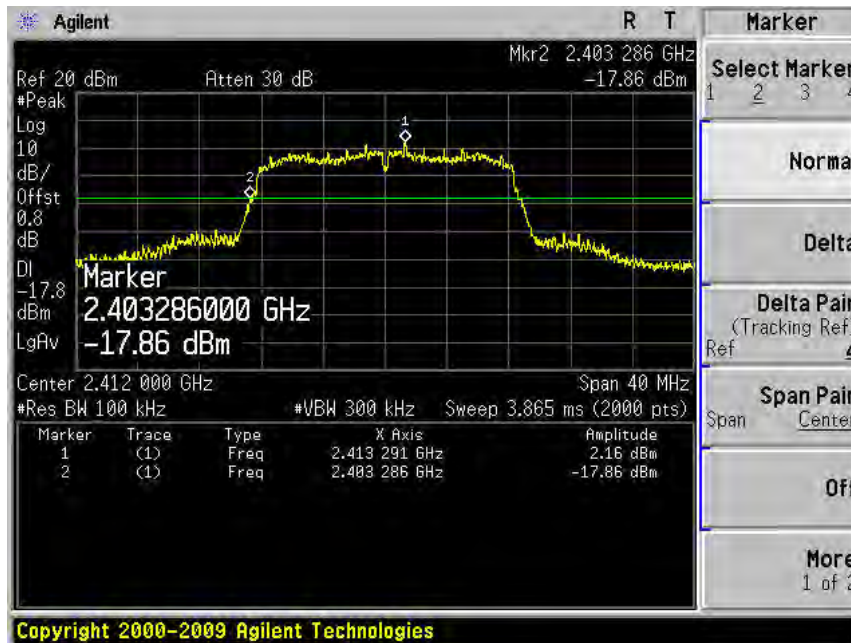


Channel 11 (2462MHz)

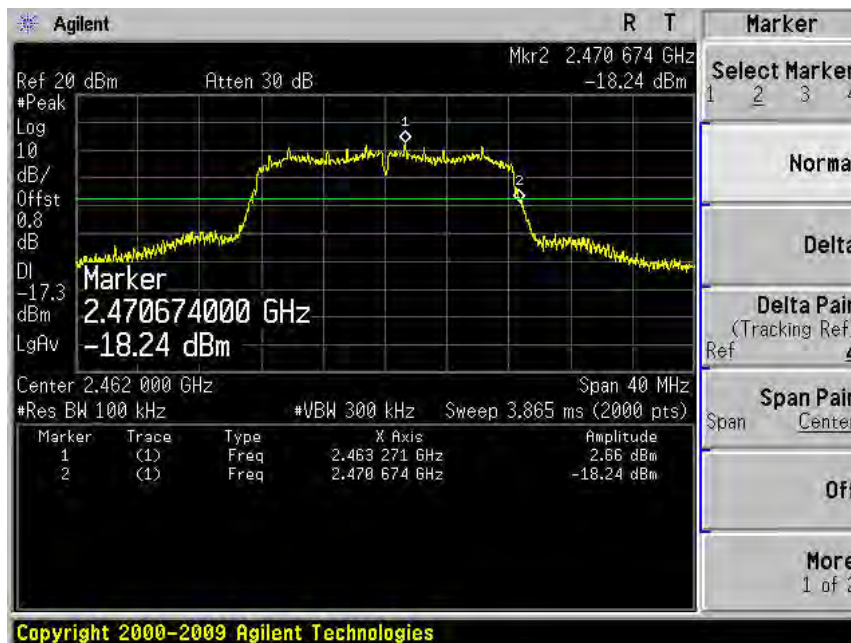


Product	: ADSL2+ 4-port Wireless Router
Test Item	: Operation Frequency Range of 20dB Bandwidth
Test Site	: TR-8
Test Mode	: Mode 2: Transmit by 802.11g (Ant 0)

Channel 01 (2412MHz)

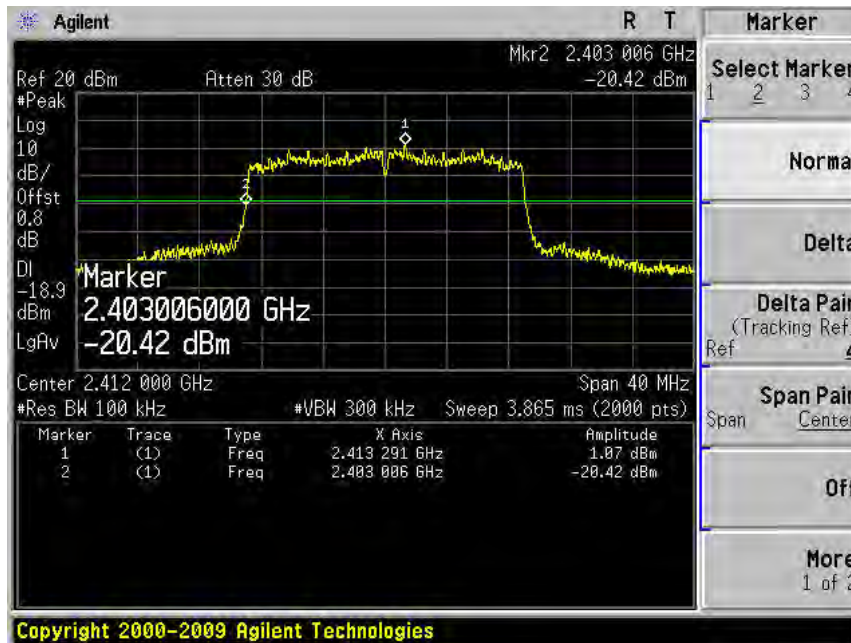


Channel 11 (2462MHz)

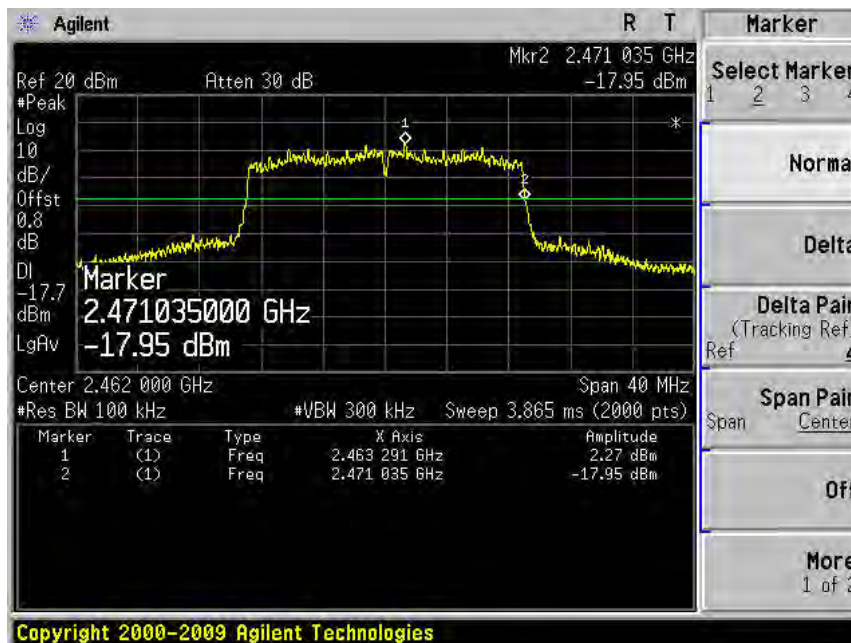


Product	: ADSL2+ 4-port Wireless Router
Test Item	: Operation Frequency Range of 20dB Bandwidth
Test Site	: TR-8
Test Mode	: Mode 3: Transmit by 802.11n (20MHz) (Ant 0)

Channel 01 (2412MHz)

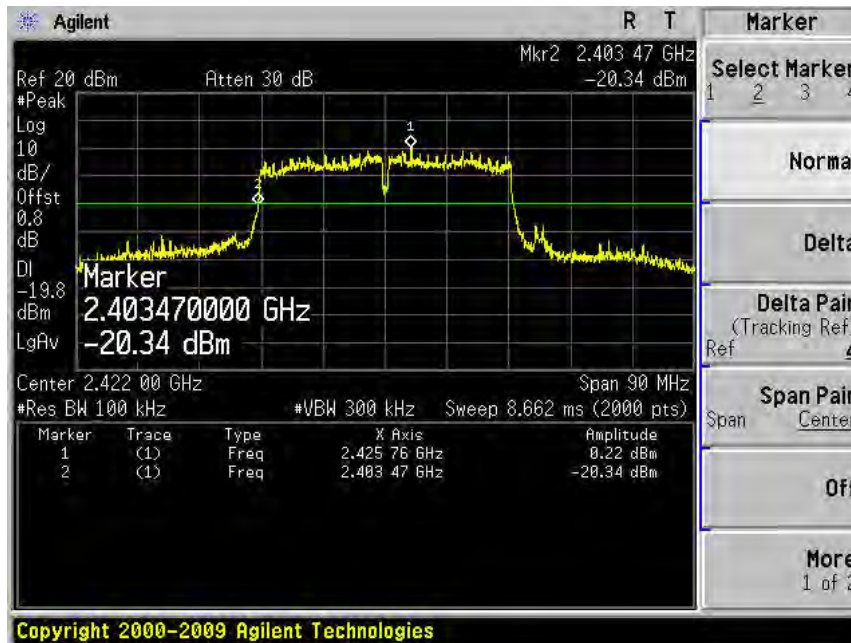


Channel 11 (2462MHz)

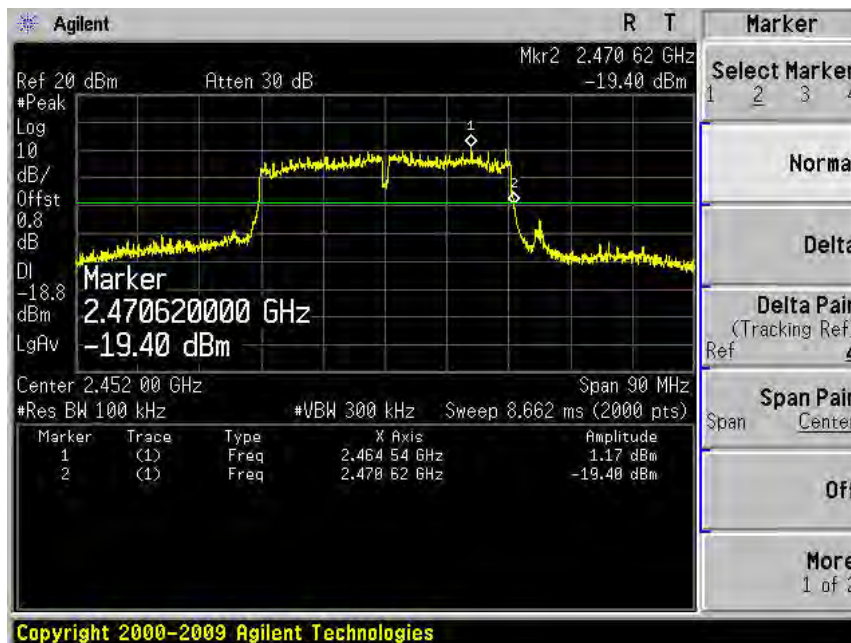


Product	: ADSL2+ 4-port Wireless Router
Test Item	: Operation Frequency Range of 20dB Bandwidth
Test Site	: TR-8
Test Mode	: Mode 4: Transmit by 802.11n (40MHz) (Ant 0)

Channel 03 (2422MHz)

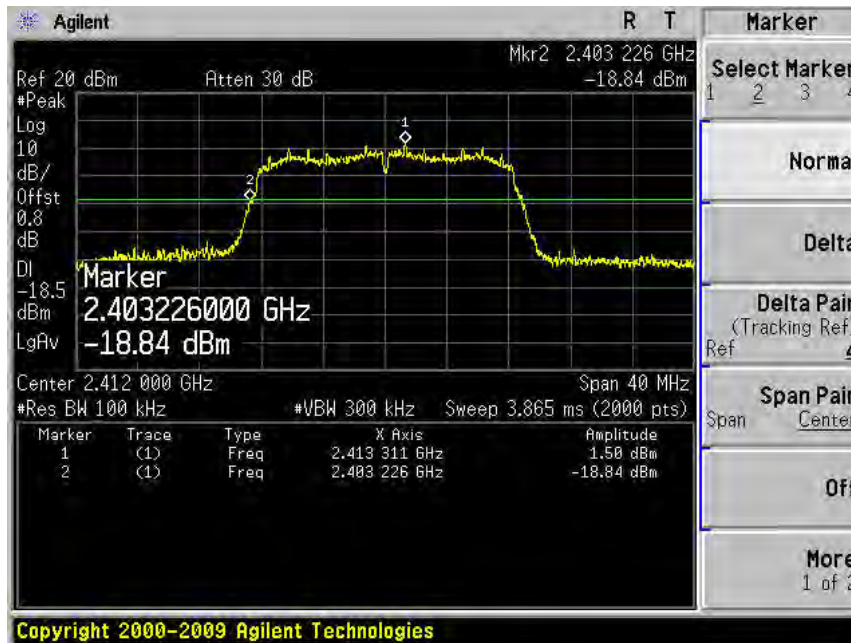


Channel 09 (2452MHz)

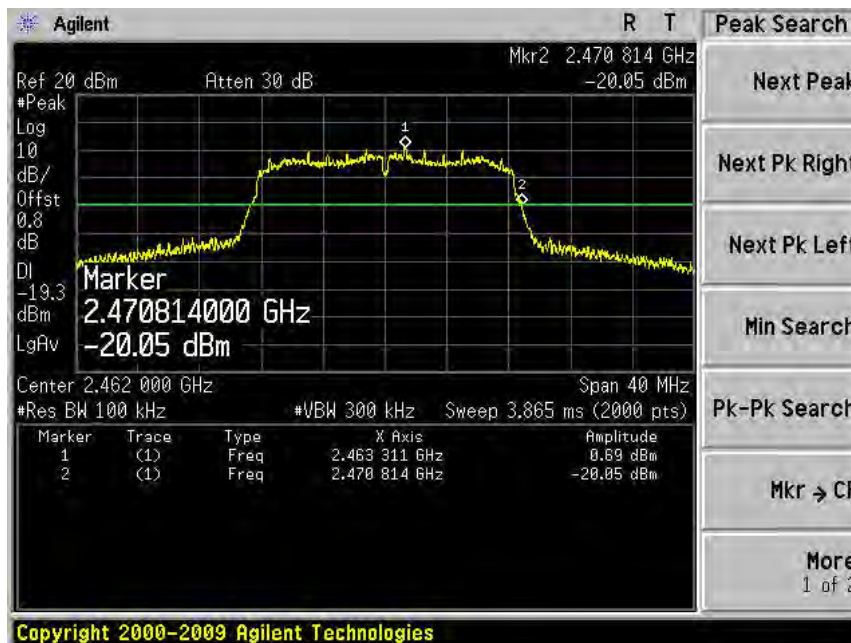


Product	: ADSL2+ 4-port Wireless Router
Test Item	: Operation Frequency Range of 20dB Bandwidth
Test Site	: TR-8
Test Mode	: Mode 2: Transmit by 802.11g (Ant 1)

Channel 01 (2412MHz)

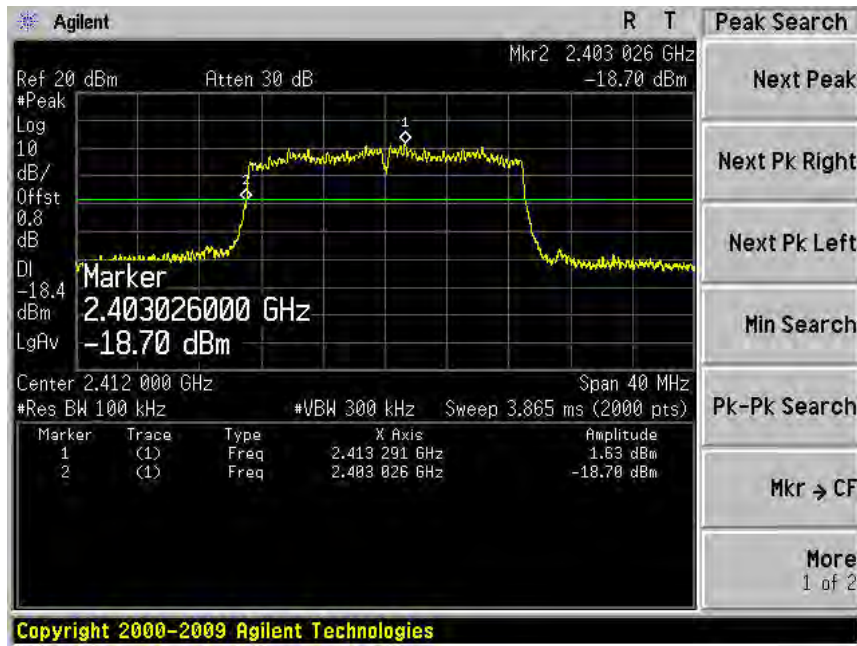


Channel 11 (2462MHz)

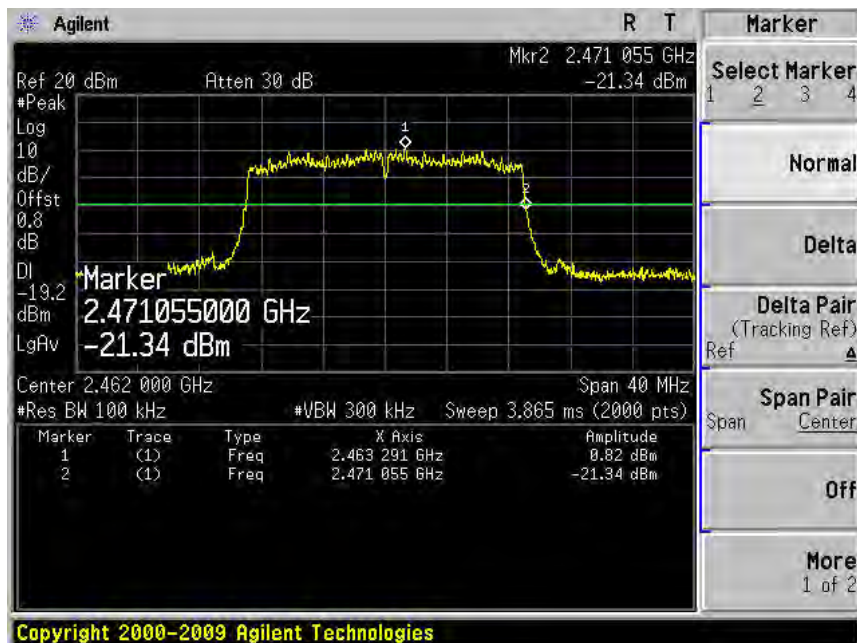


Product	: ADSL2+ 4-port Wireless Router
Test Item	: Operation Frequency Range of 20dB Bandwidth
Test Site	: TR-8
Test Mode	: Mode 3: Transmit by 802.11n (20MHz) (Ant 1)

Channel 01 (2412MHz)

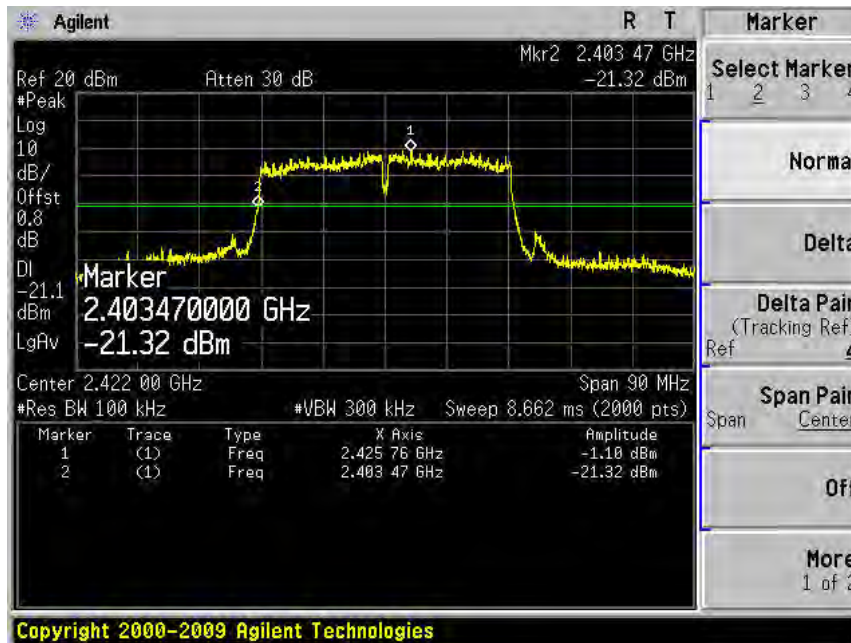


Channel 11 (2462MHz)

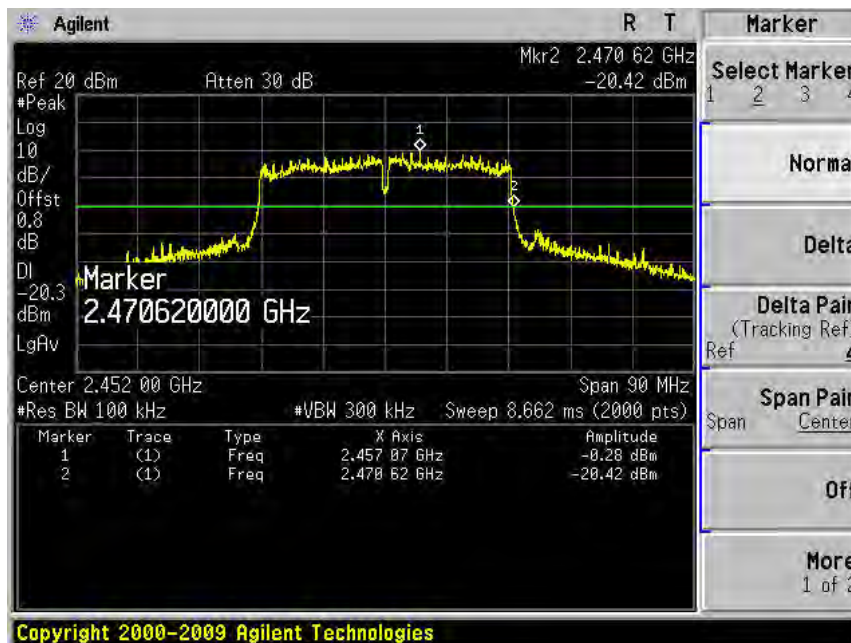


Product	: ADSL2+ 4-port Wireless Router
Test Item	: Operation Frequency Range of 20dB Bandwidth
Test Site	: TR-8
Test Mode	: Mode 4: Transmit by 802.11n (40MHz) (Ant 1)

Channel 03 (2422MHz)



Channel 09 (2452MHz)



8. Occupied Bandwidth

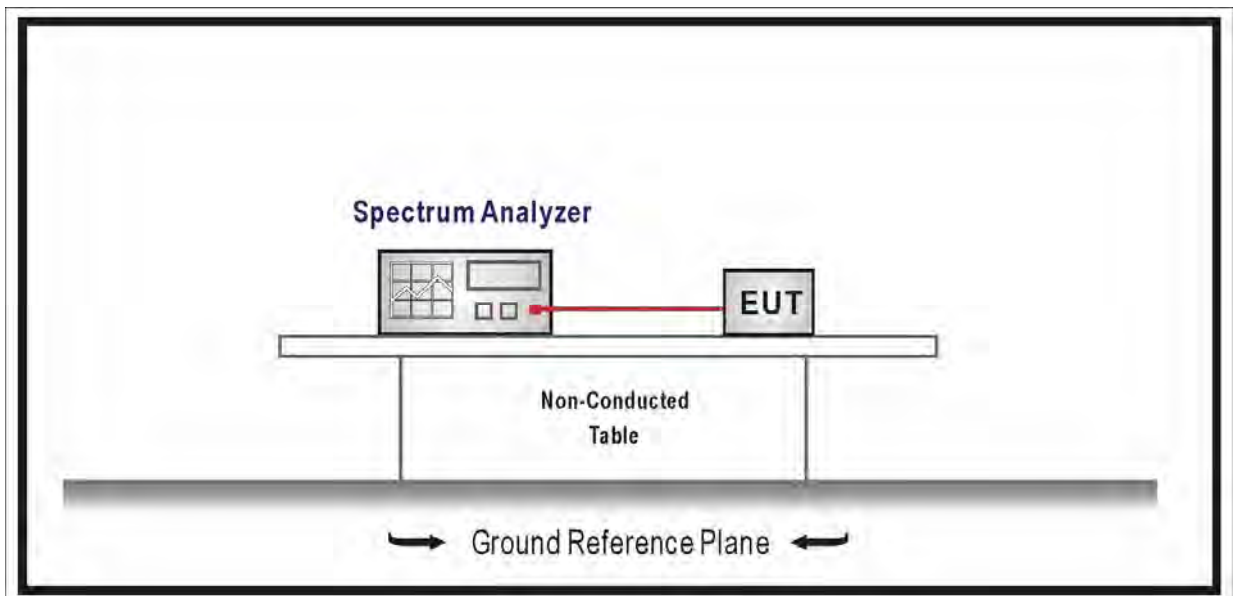
8.1. Test Equipment

Occupied Bandwidth / TR-8

Instrument	Manufacturer	Type No.	Serial No.	Cali. Due Date
Spectrum Analyzer	Agilent	E4446A	MY45300103	2011.04.30
Temperature/Humidity Meter	zhicheng	ZC1-2	TR8-TH	2011.01.14

Note: All equipments are calibrated with traceable calibrations. Each calibration is traceable to the national or international standards.

8.2. Test Setup



8.3. Limit

The minimum 6 dB bandwidth shall be at least 500 kHz.

8.4. Test Procedure

The EUT was tested according to ANSI C63.10: 2009 for compliance to FCC 47CFR 15.247 requirements.

Set RBW = 100 kHz, Span greater than RBW.

8.5. Uncertainty

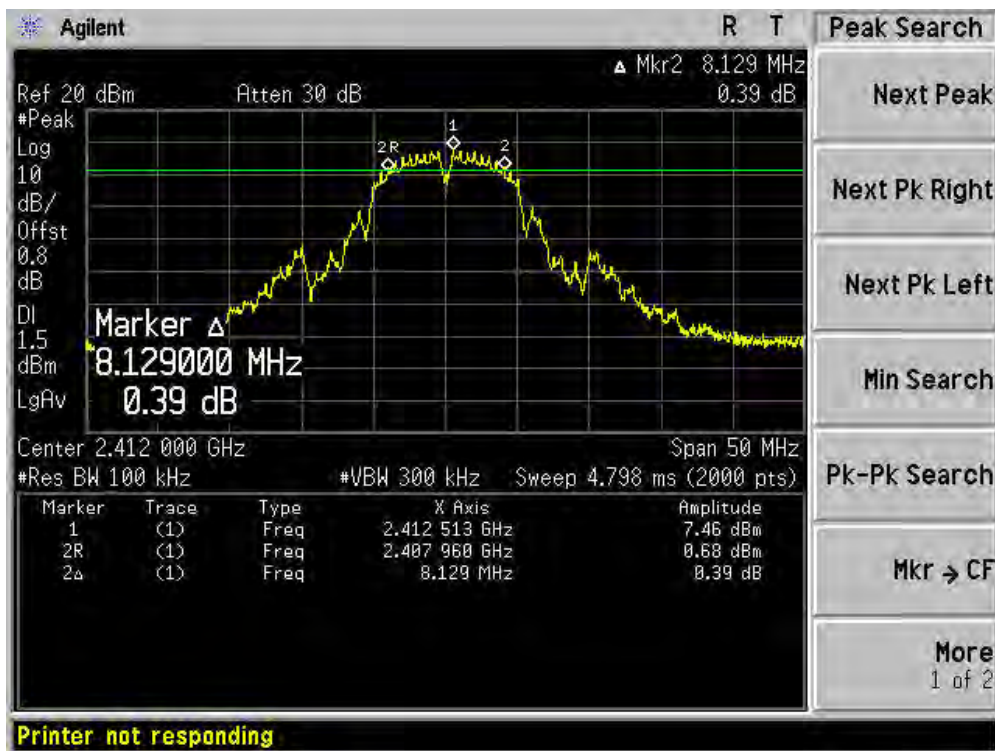
The measurement uncertainty is defined as ± 1 kHz

8.6. Test Result

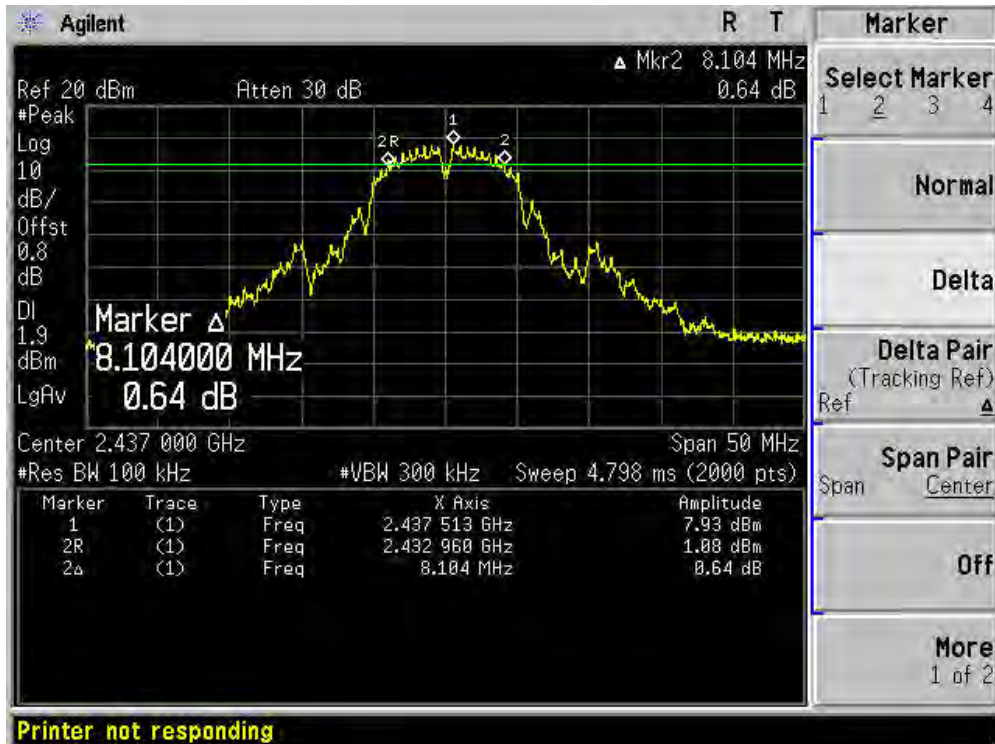
Product	:	ADSL2+ 4-port Wireless Router
Test Item	:	6dB Occupied Bandwidth
Test Site	:	TR-8
Test Mode	:	Mode 1: Transmit by 802.11b (Ant 0)

Channel No.	Frequency (MHz)	Occupied Bandwidth (kHz)	Limit (kHz)	Result
01	2412	8129	500	Pass
06	2437	8104	500	Pass
11	2462	8129	500	Pass

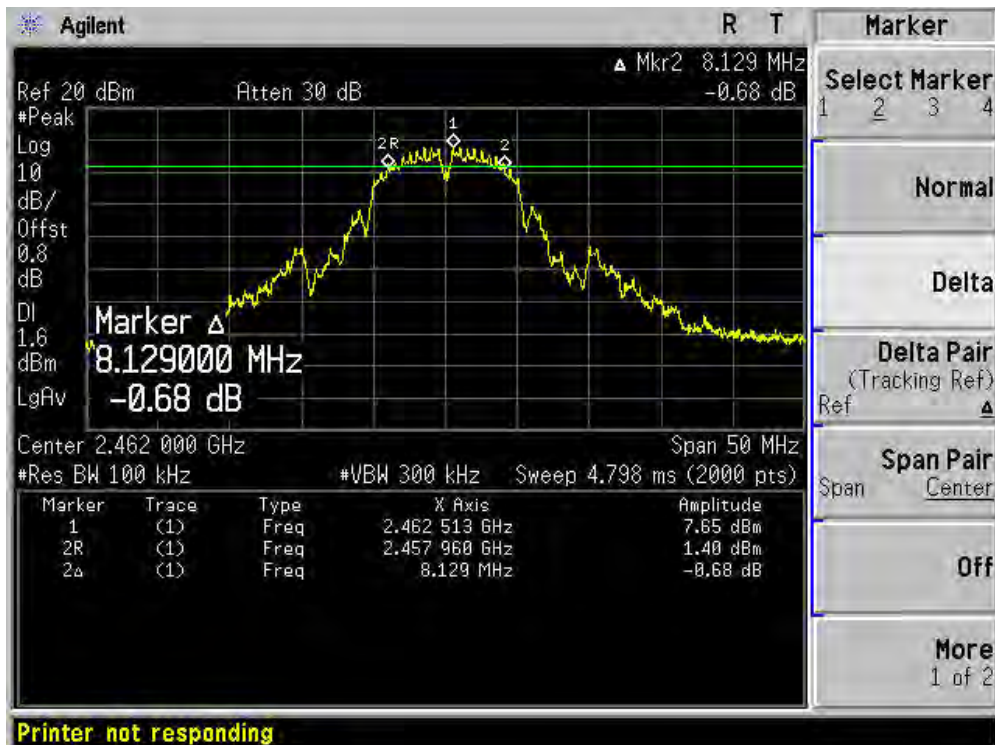
Channel 01 (2412MHz)



Channel 06 (2437MHz)



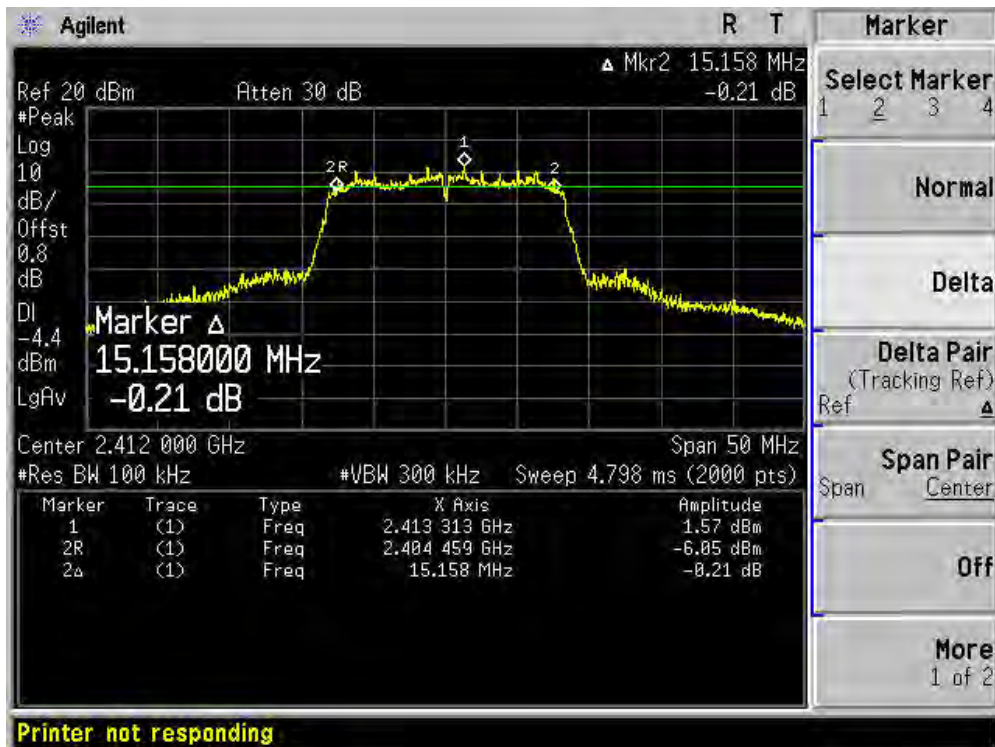
Channel 11 (2462MHz)



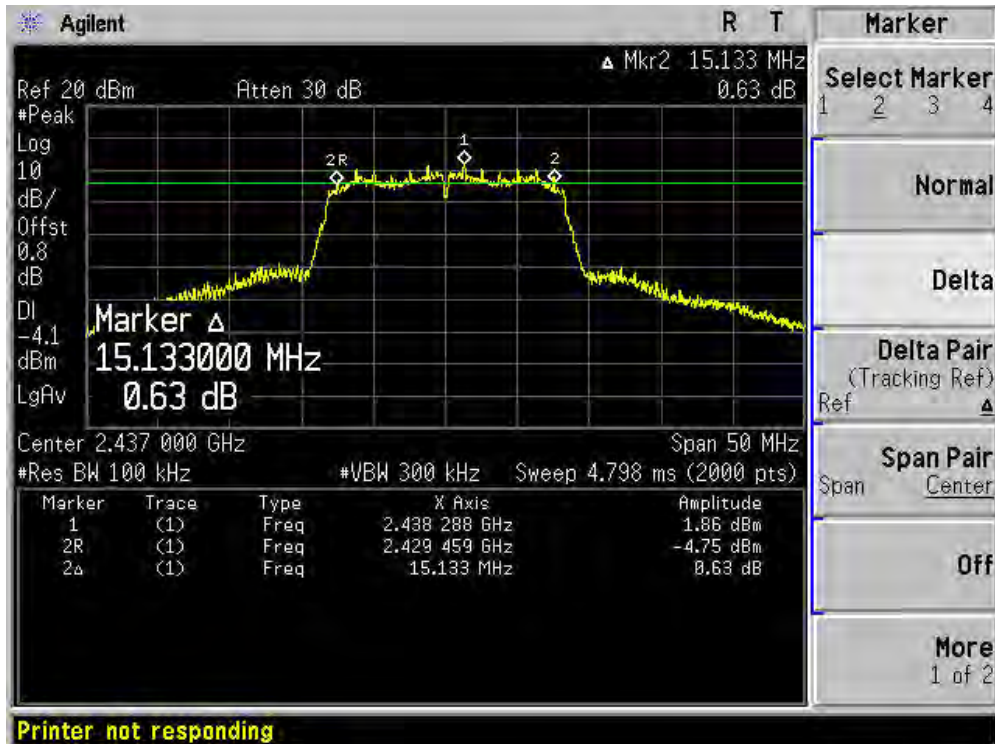
Product	: ADSL2+ 4-port Wireless Router
Test Item	: 6dB Occupied Bandwidth
Test Site	: TR-8
Test Mode	: Mode 2: Transmit by 802.11g (Ant 0)

Channel No.	Frequency (MHz)	Occupied Bandwidth (kHz)	Limit (kHz)	Result
01	2412	15158	500	Pass
06	2437	15133	500	Pass
11	2462	15133	500	Pass

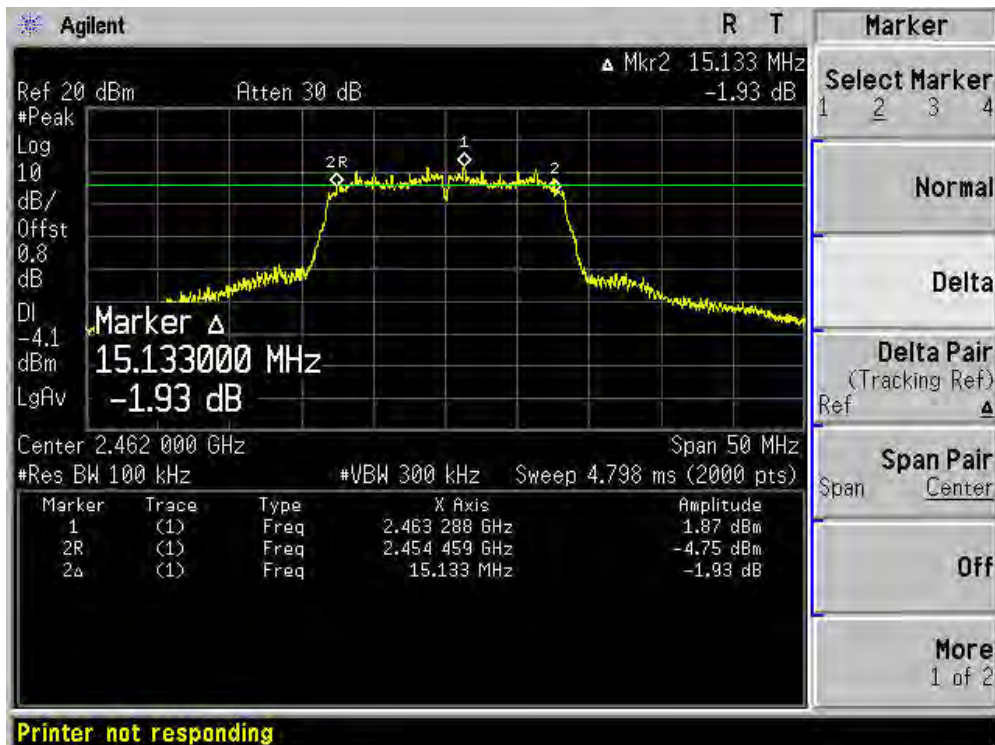
Channel 01 (2412MHz)



Channel 06 (2437MHz)



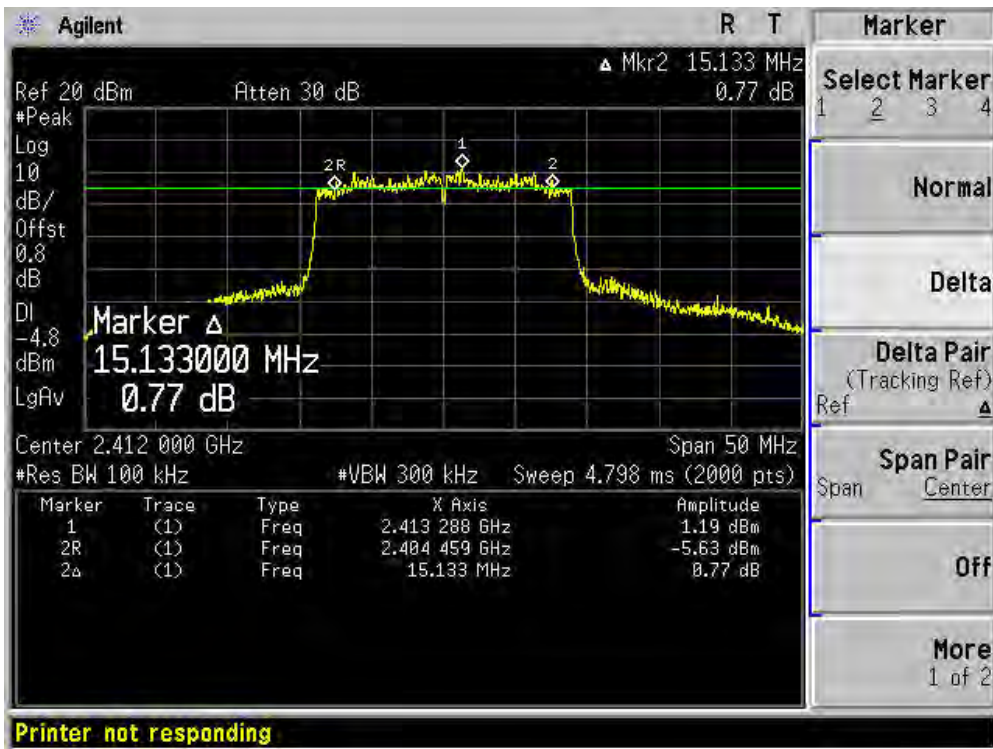
Channel 11 (2462MHz)



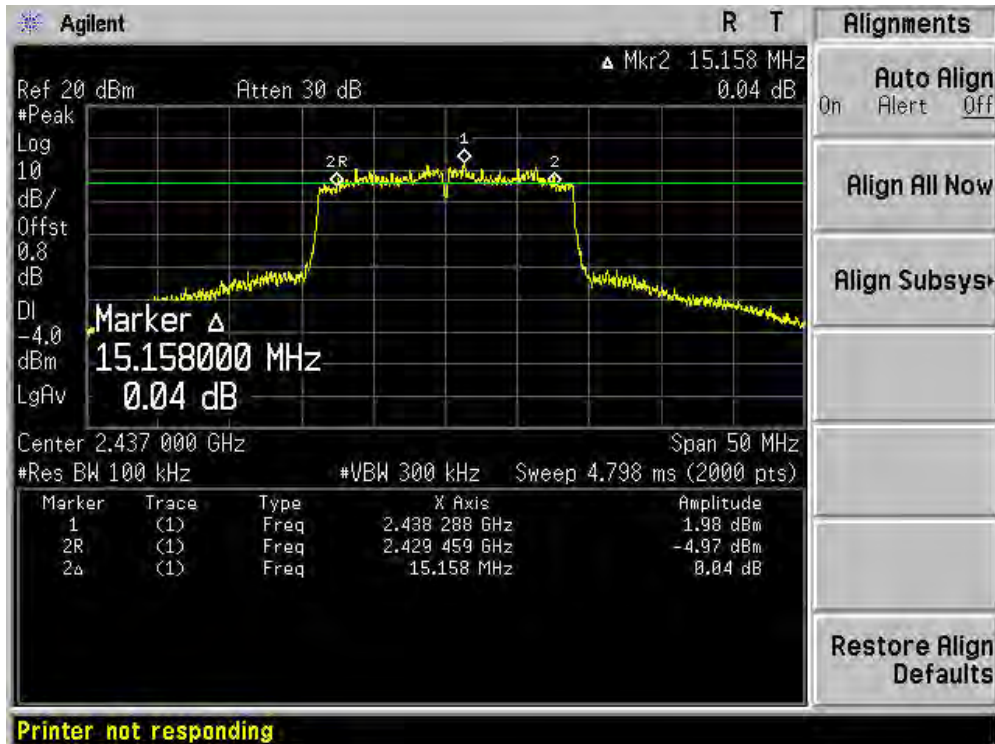
Product	: ADSL2+ 4-port Wireless Router
Test Item	: 6dB Occupied Bandwidth
Test Site	: TR-8
Test Mode	: Mode 3: Transmit by 802.11n (20MHz) (Ant 0)

Channel No.	Frequency (MHz)	Occupied Bandwidth (kHz)	Limit (kHz)	Result
01	2412	15133	500	Pass
06	2437	15158	500	Pass
11	2462	16358	500	Pass

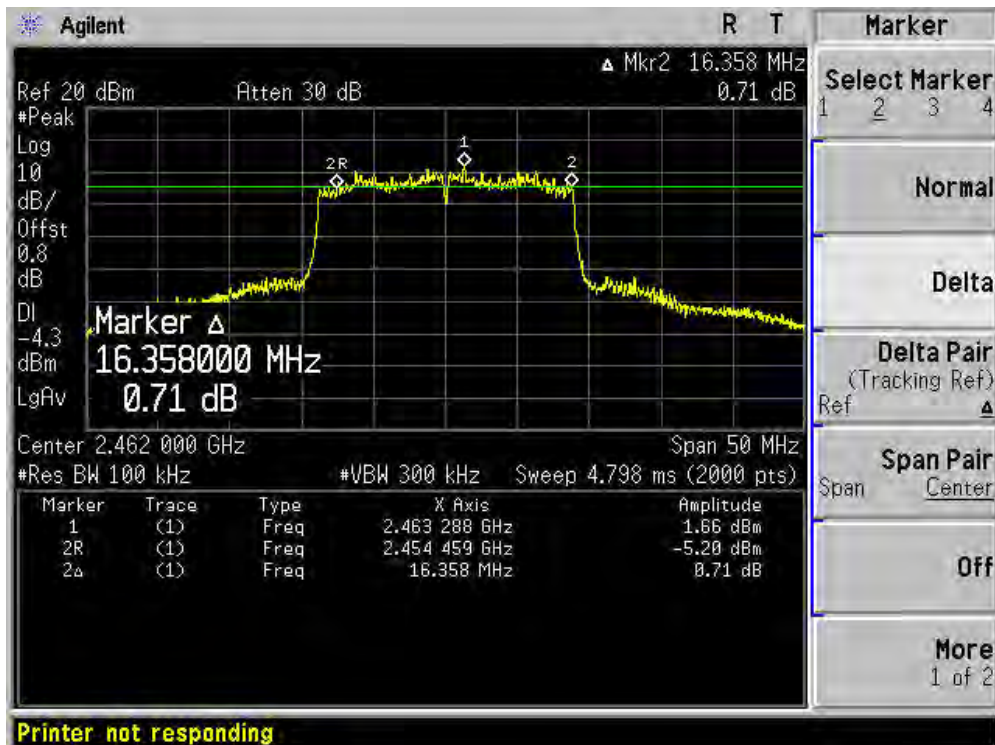
Channel 01 (2412MHz)



Channel 06 (2437MHz)



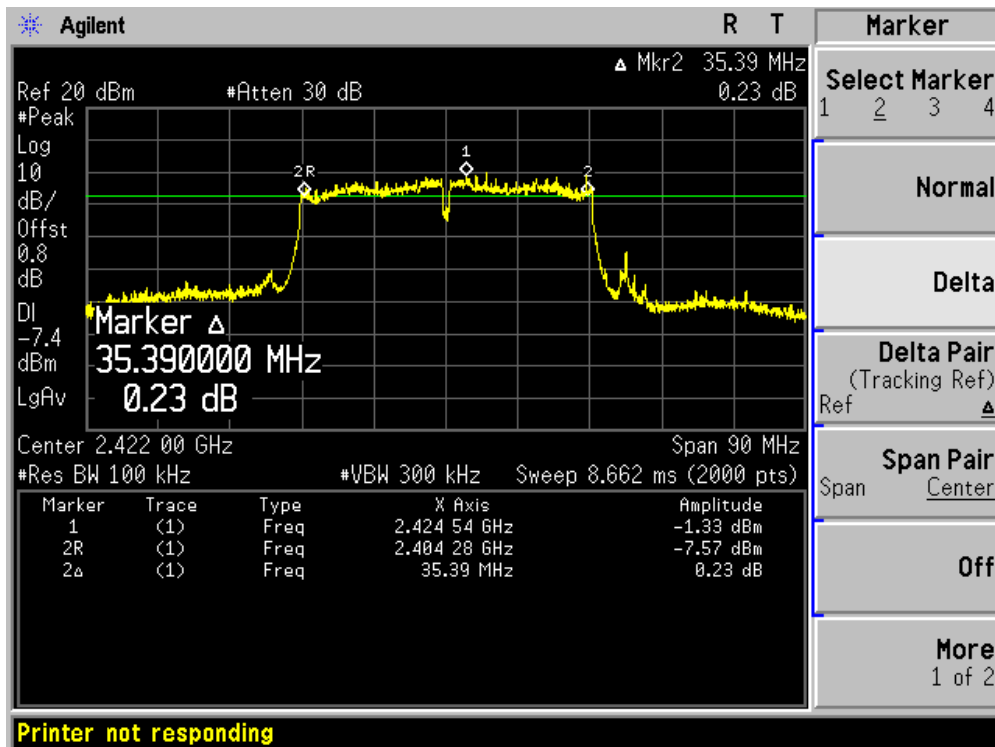
Channel 11 (2462MHz)



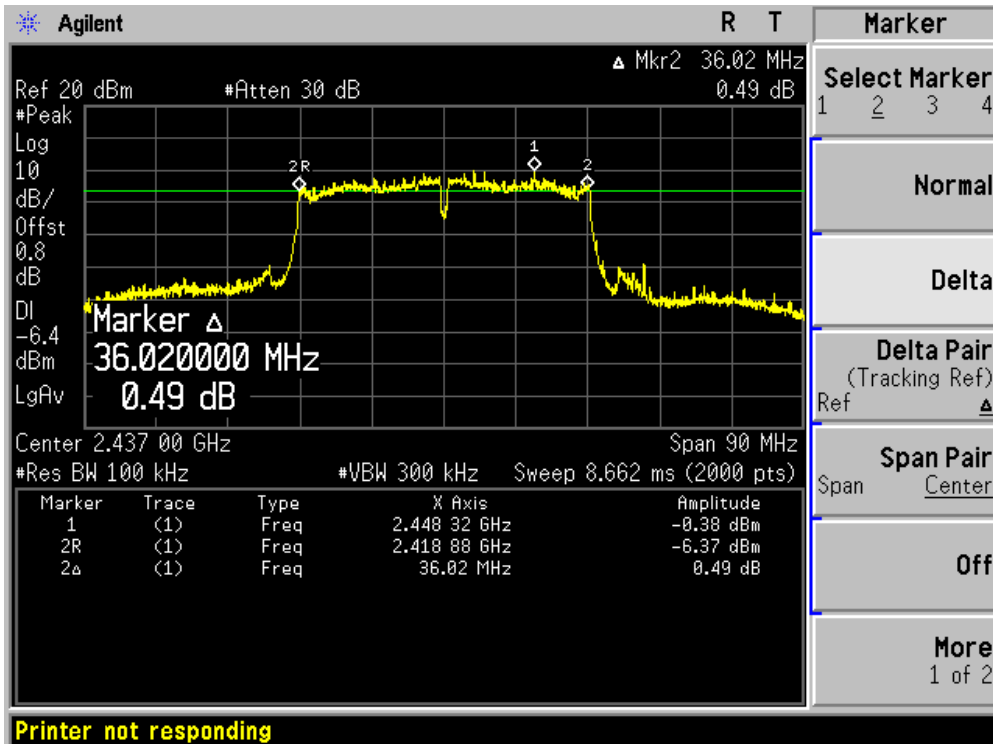
Product	: ADSL2+ 4-port Wireless Router
Test Item	: 6dB Occupied Bandwidth
Test Site	: TR-8
Test Mode	: Mode 4: Transmit by 802.11n (40MHz) (Ant 0)

Channel No.	Frequency (MHz)	Occupied Bandwidth (kHz)	Limit (kHz)	Result
03	2422	35390	500	Pass
06	2437	36020	500	Pass
09	2452	35750	500	Pass

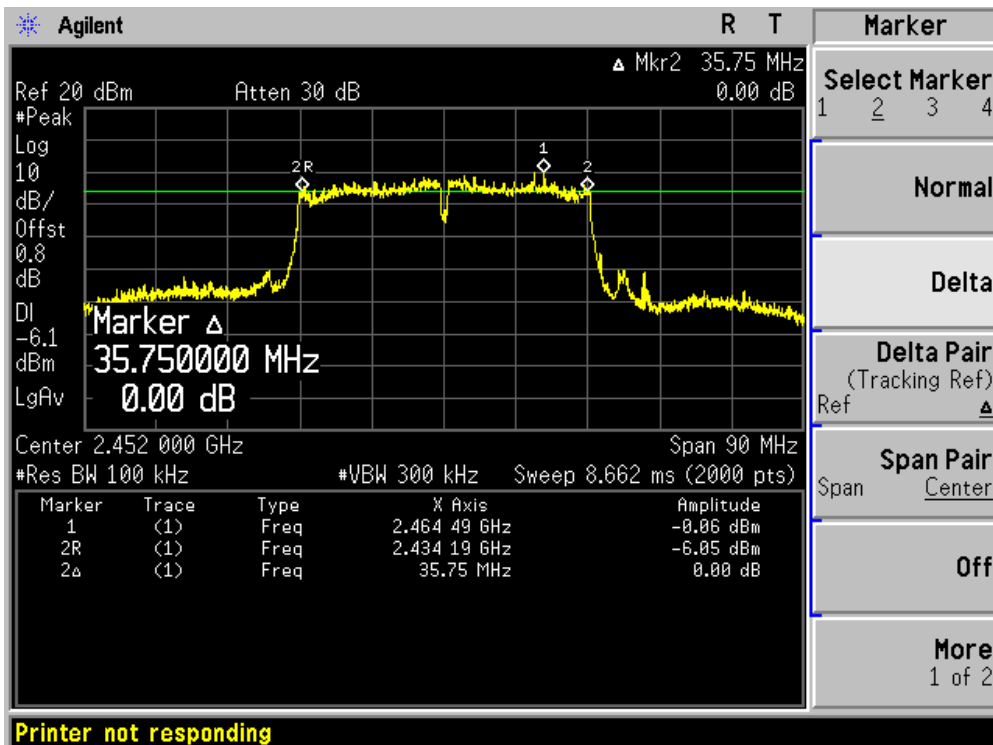
Channel 03 (2422MHz)



Channel 06 (2437MHz)



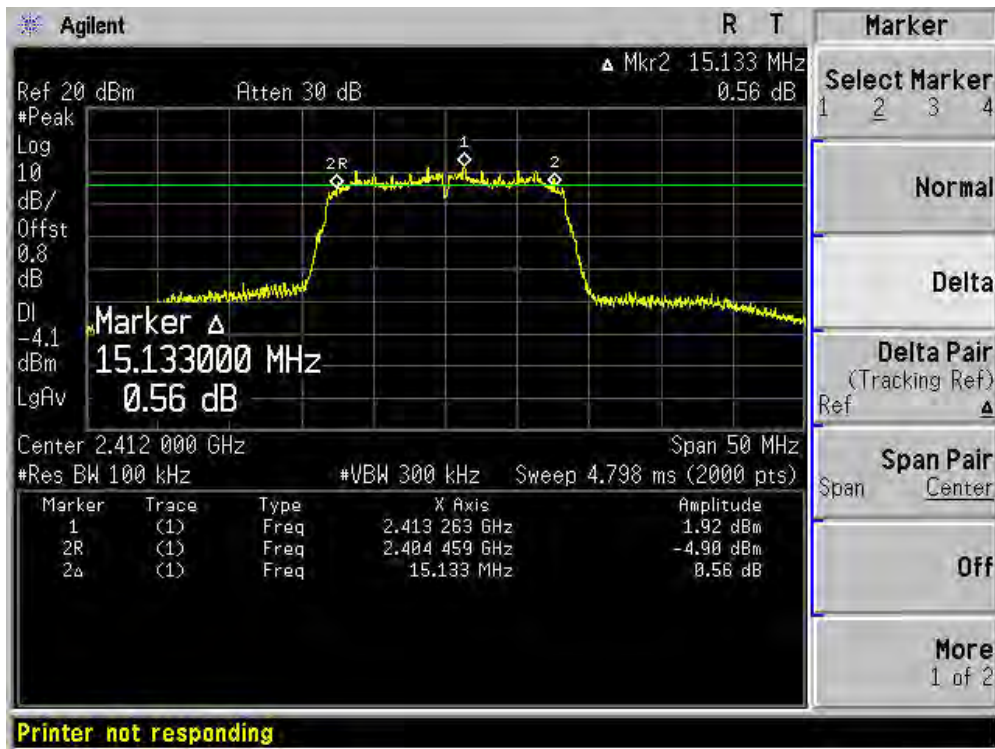
Channel 09 (2452MHz)



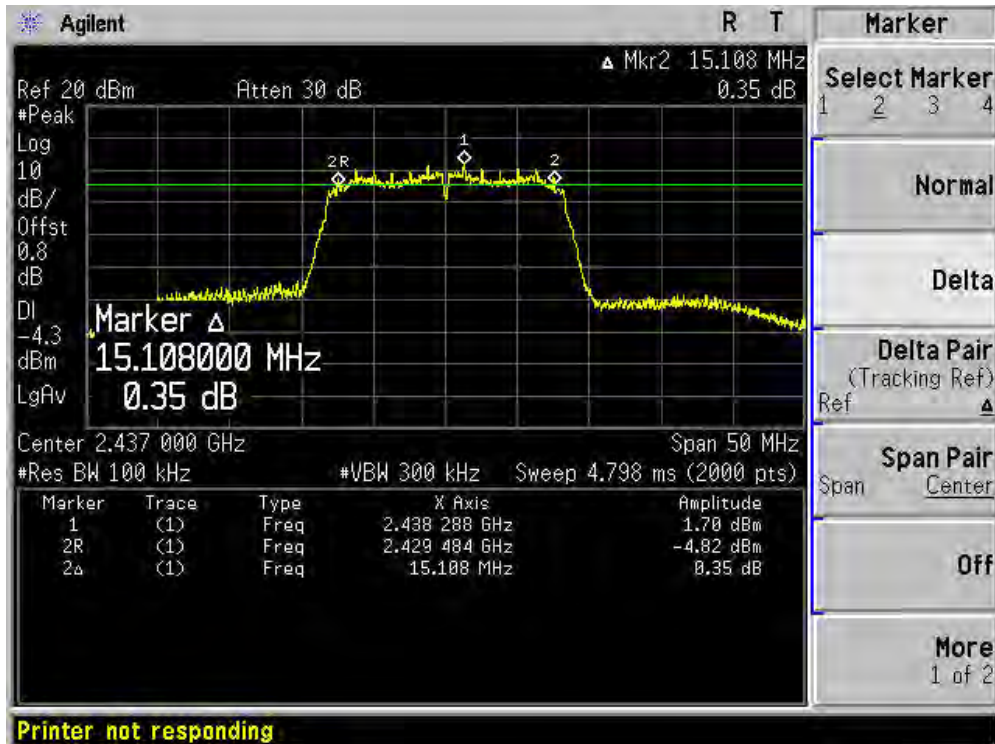
Product	: ADSL2+ 4-port Wireless Router
Test Item	: 6dB Occupied Bandwidth
Test Site	: TR-8
Test Mode	: Mode 2: Transmit by 802.11g (Ant 1)

Channel No.	Frequency (MHz)	Occupied Bandwidth (kHz)	Limit (kHz)	Result
01	2412	15133	500	Pass
06	2437	15108	500	Pass
11	2462	14482	500	Pass

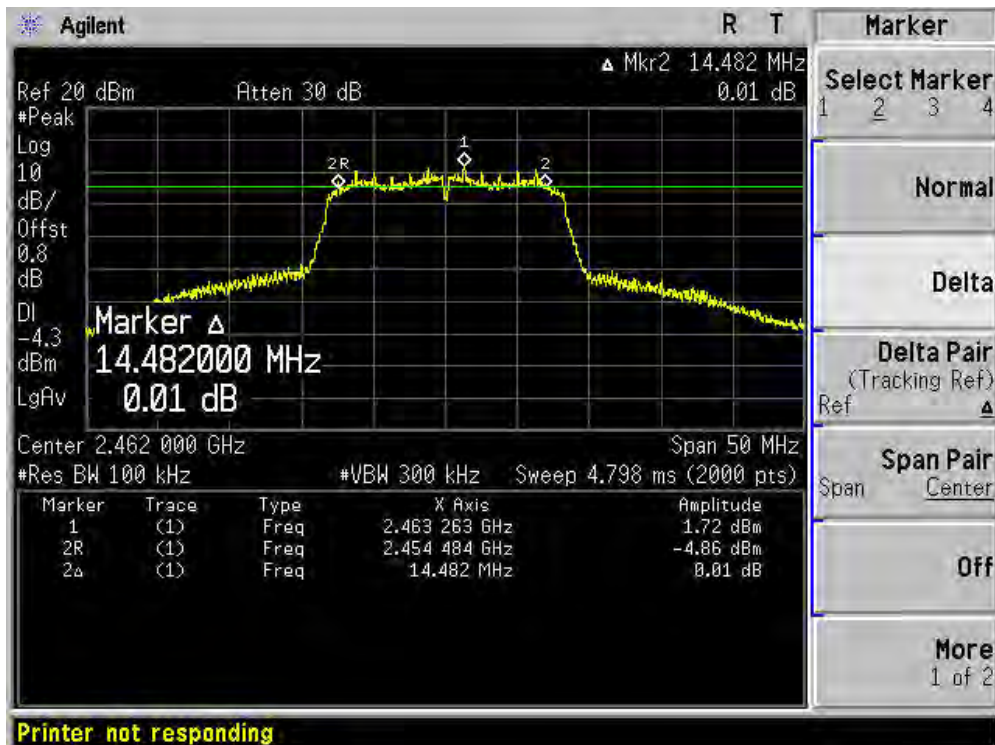
Channel 01 (2412MHz)



Channel 06 (2437MHz)



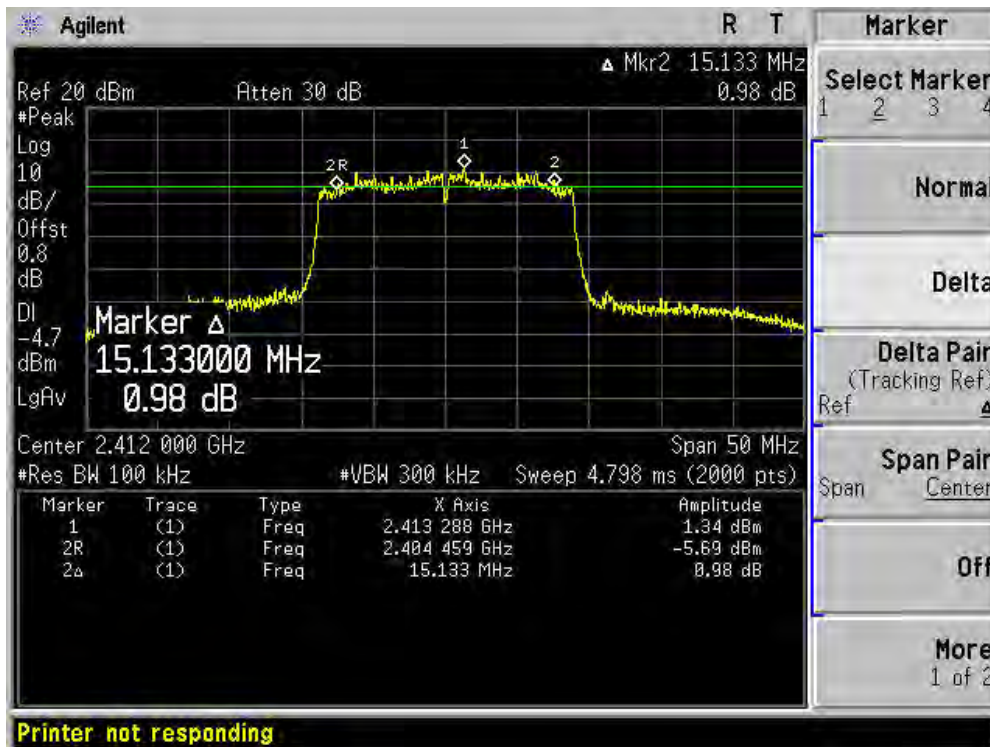
Channel 11 (2462MHz)



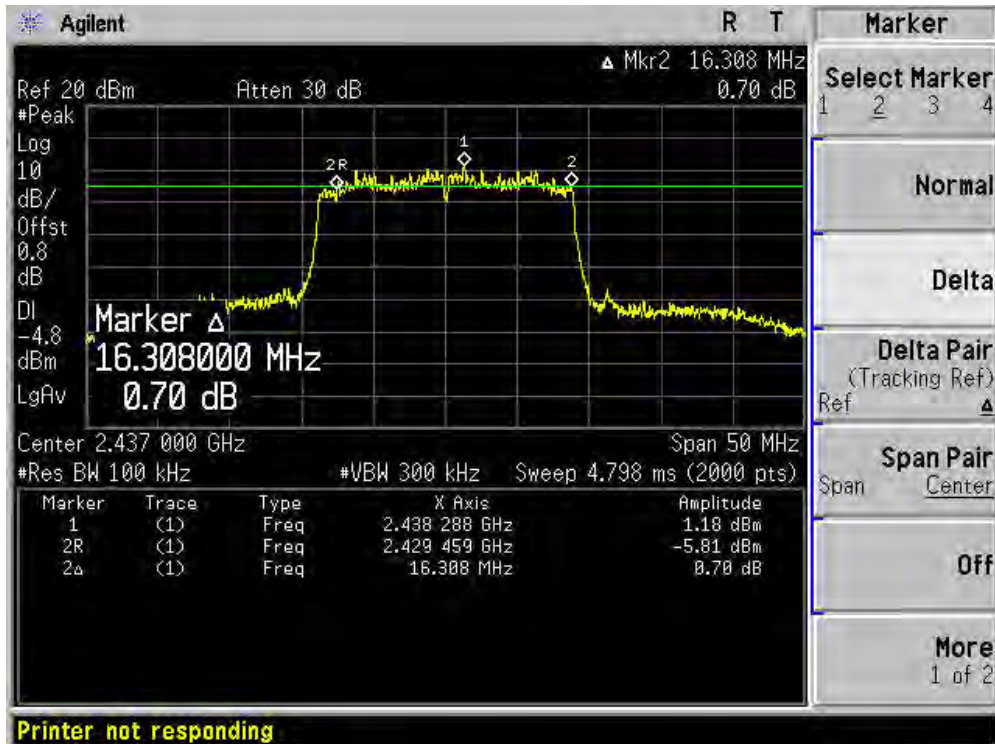
Product	: ADSL2+ 4-port Wireless Router
Test Item	: 6dB Occupied Bandwidth
Test Site	: TR-8
Test Mode	: Mode 3: Transmit by 802.11n (20MHz) (Ant 1)

Channel No.	Frequency (MHz)	Occupied Bandwidth (kHz)	Limit (kHz)	Result
01	2412	15133	500	Pass
06	2437	16308	500	Pass
11	2462	16358	500	Pass

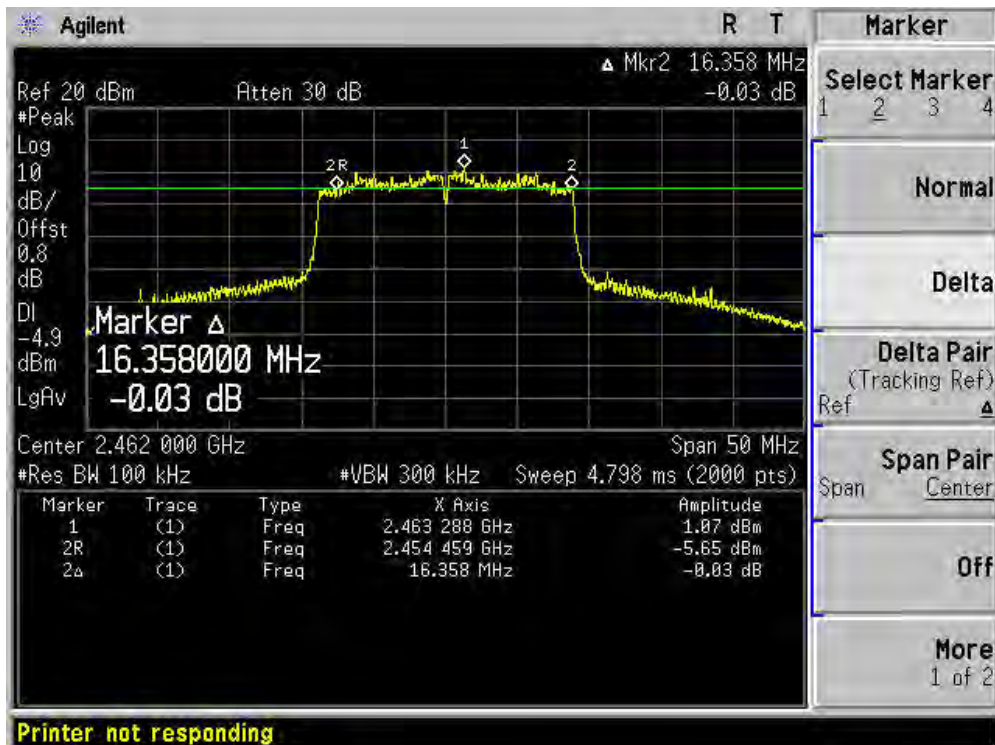
Channel 01 (2412MHz)



Channel 06 (2437MHz)



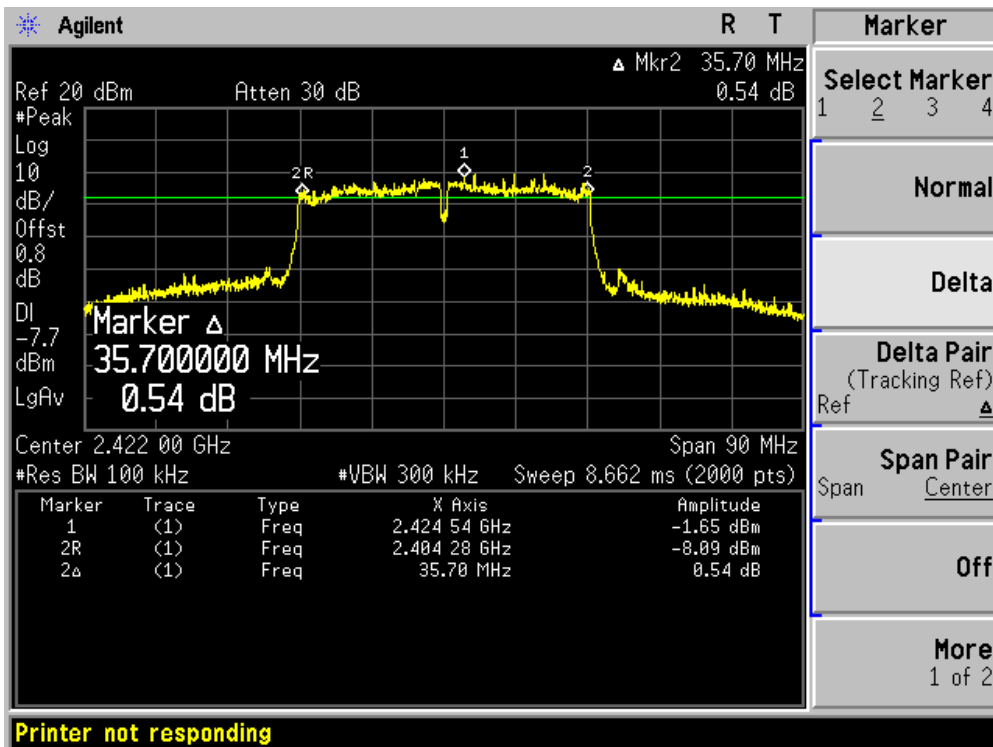
Channel 11 (2462MHz)



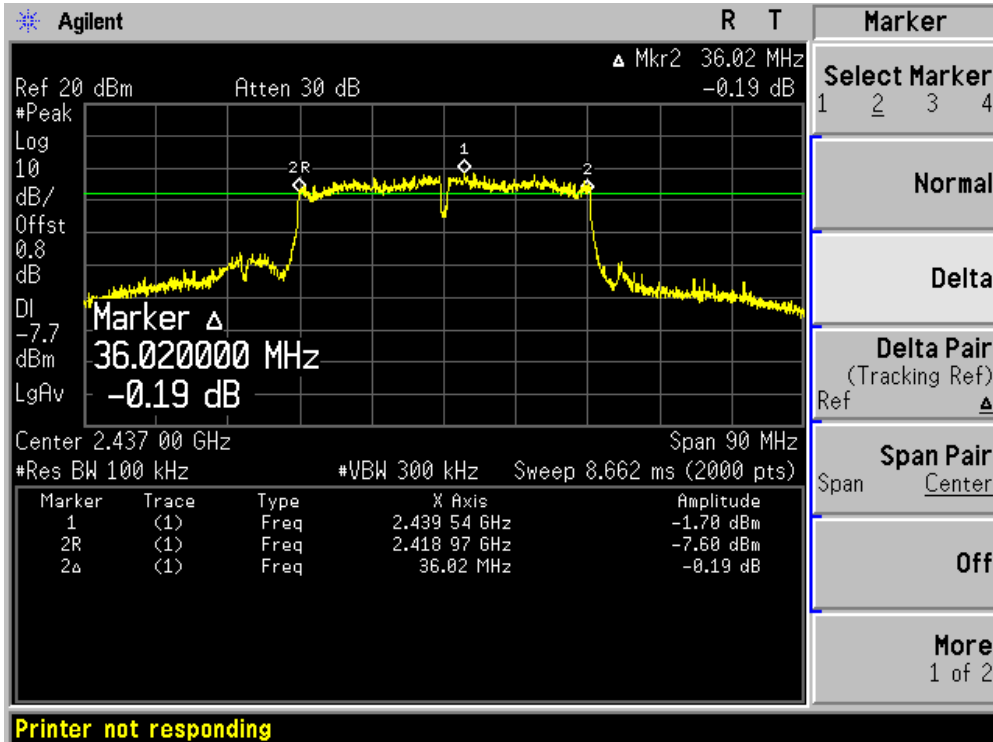
Product	: ADSL2+ 4-port Wireless Router
Test Item	: 6dB Occupied Bandwidth
Test Site	: TR-8
Test Mode	: Mode 4: Transmit by 802.11n (40MHz) (Ant 1)

Channel No.	Frequency (MHz)	Occupied Bandwidth (kHz)	Limit (kHz)	Result
03	2422	35700	500	Pass
06	2437	36020	500	Pass
09	2452	35840	500	Pass

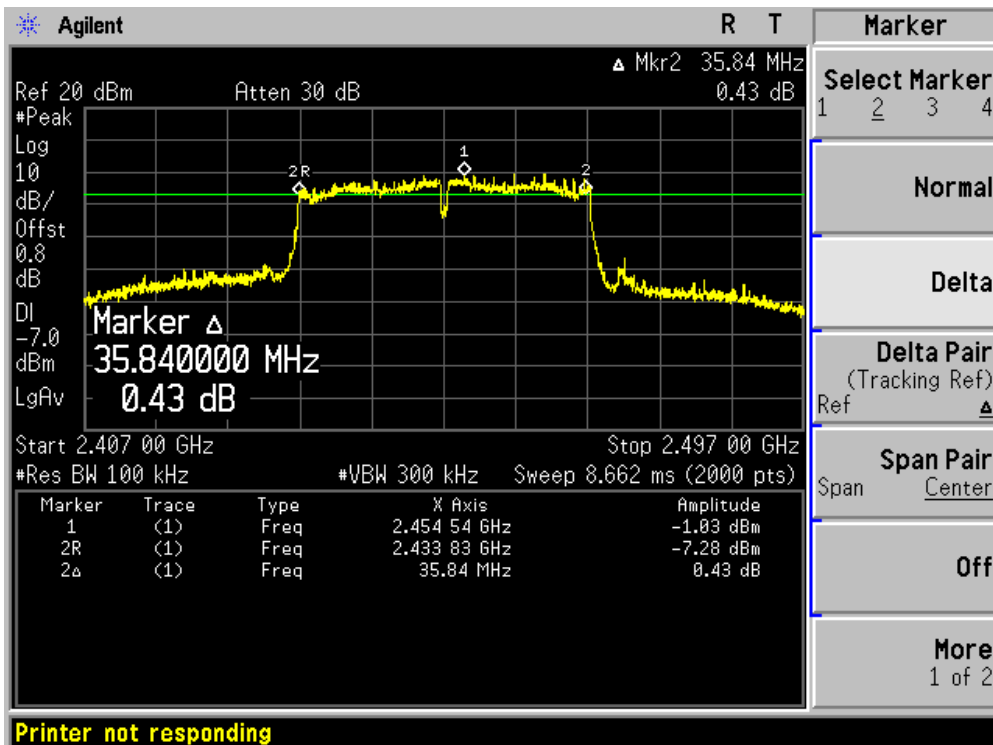
Channel 03 (2422MHz)



Channel 06 (2437MHz)



Channel 09 (2452MHz)



9. Power Output

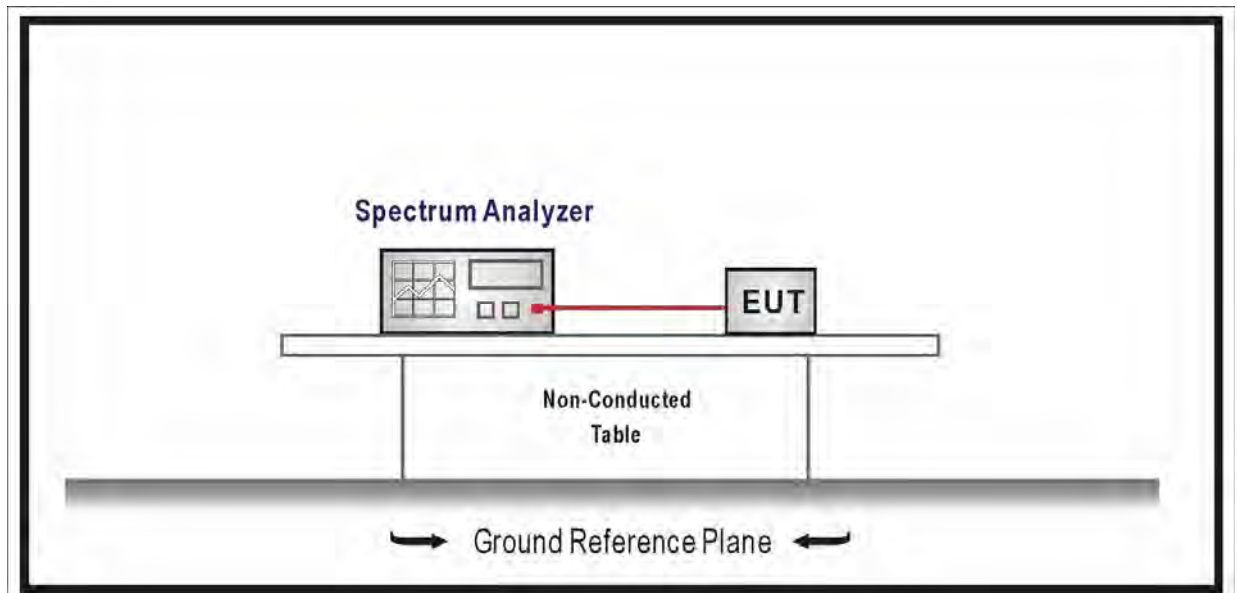
9.1. Test Equipment

Power Output / TR-8

Instrument	Manufacturer	Type No.	Serial No.	Cali. Due Date
Wideband Peak Power Meter	Anritsu	ML2495A	0905006	2011.01.12
Power Sensor	Anritsu	MA2411B	0846014	2011.01.12
Temperature/Humidity Meter	zhicheng	ZC1-2	TR8-TH	2011.01.14

Note: All equipments are calibrated with traceable calibrations. Each calibration is traceable to the national or international standards.

9.2. Test Setup



9.3. Limit

The maximum peak power shall be less 1 Watt (30dBm).

Note: the conducted output power limit specified above is based on the use the antennas with directional gains that do not exceed 6 dBi are used, the conducted output power from the intentional radiator shall be reduced below the stated values above, as appropriate, by the amount in dB that the directional gain of antenna exceeds 6 dBi.

9.4. Test Procedure

The EUT was tested according to ANSI C63.10: 2009 for compliance to FCC 47CFR 15.247 requirements.

Use the wideband power meter to test peak power and record the result.

9.5. Uncertainty

The measurement uncertainty is defined as ± 1.27 dB

9.6. Test Result

Power output test was verified over all data rates of each mode shown as below, and then choose the maximum power output (blue marker) for final test of each channel.

MCS Index for 802.11n	Spatial Streams	Data Rate (Mbps)					
		802.11b	802.11g	20MHz Bandwidth		40MHz Bandwidth	
				800ns GI	400ns GI	800ns GI	400ns GI
0	1	1	6	6.5	7.2	13.5	15.0
1	1	2	9	13.0	14.4	27.0	30.0
2	1	5.5	12	19.5	21.7	40.5	45.0
3	1	11	18	26.0	28.9	54.0	60.0
4	1	---	24	39.0	43.3	81.0	90.0
5	1	---	36	52.0	57.8	108.0	120.0
6	1	---	48	58.5	65.0	121.5	135.0
7	1	---	54	65.0	72.2	135.0	150.0
8	2	---	---	13.0	14.4	27.0	30.0
9	2	---	---	26.0	28.9	54.0	60.0
10	2	---	---	39.0	43.3	81.0	90.0
11	2	---	---	52.0	57.8	108.0	120.0
12	2	---	---	78.0	86.7	162.0	180.0
13	2	---	---	104.0	115.6	216.0	240.0
14	2	---	---	117.0	130.0	243.0	270.0
15	2	---	---	130.0	144.0	270.0	300.0

Power output at various data rates:

Test Mode	Antenna	Bandwidth	Frequency (MHz)	Channel	Data Rate	Peak Power (dBm)
802.11b	0	20	2437	6	1	18.05
					5.5	19.52
					11	20.49
802.11g	0	20	2437	6	6	18.22
					24	18.19
					54	18.03
802.11g	1	20	2437	6	6	18.15
					24	17.85
					54	17.76
802.11n	0	20	2437	6	HT0	17.64
					HT4	17.62
					HT7	17.49
802.11n	1	20	2437	6	HT0	17.41
					HT4	17.18
					HT7	17.09
802.11n	0	40	2437	6	HT0	18.40
					HT4	18.36
					HT7	18.33
802.11n	1	40	2437	6	HT0	18.68
					HT4	18.55
					HT7	18.37

Product	: ADSL2+ 4-port Wireless Router
Test Item	: Power Output
Test Site	: TR8
Test Mode	: Mode 1: Transmit by 802.11b (Ant 0)

Channel No.	Frequency (MHz)	Measurement Power Output (dBm)		Total Power (dBm)	Limit (dBm)	Result
		Ant 0	Ant 1			
1	2412	20.45	N/A	20.45	30.00	Pass
6	2437	20.49	N/A	20.49	30.00	Pass
11	2462	20.71	N/A	20.71	30.00	Pass

Product	: ADSL2+ 4-port Wireless Router
Test Item	: Power Output
Test Site	: TR8
Test Mode	: Mode 2: Transmit by 802.11g (Ant 0)

Channel No.	Frequency (MHz)	Measurement Power Output (dBm)		Total Power (dBm)	Limit (dBm)	Result
		Ant 0	Ant 1			
1	2412	18.12	N/A	18.12	30.00	Pass
6	2437	18.22	N/A	18.22	30.00	Pass
11	2462	18.49	N/A	18.49	30.00	Pass

Product	: ADSL2+ 4-port Wireless Router
Test Item	: Power Output
Test Site	: TR8
Test Mode	: Mode 2: Transmit by 802.11g (Ant 1)

Channel No.	Frequency (MHz)	Measurement Power Output (dBm)		Total Power (dBm)	Limit (dBm)	Result
		Ant 0	Ant 1			
1	2412	N/A	16.55	16.55	30.00	Pass
6	2437	N/A	18.15	18.15	30.00	Pass
11	2462	N/A	18.53	18.53	30.00	Pass

Product	:	ADSL2+ 4-port Wireless Router
Test Item	:	Power Output
Test Site	:	TR8
Test Mode	:	Mode 3: Transmit by 802.11n(20MHz) (Ant 0)

Channel No.	Frequency (MHz)	Measurement Power Output (dBm)		Total Power (dBm)	Limit (dBm)	Result
		Ant 0	Ant 1			
1	2412	17.55	N/A	17.55	30.00	Pass
6	2437	17.64	N/A	17.64	30.00	Pass
11	2462	17.94	N/A	17.94	30.00	Pass

Product	:	ADSL2+ 4-port Wireless Router
Test Item	:	Power Output
Test Site	:	TR8
Test Mode	:	Mode 3: Transmit by 802.11n(20MHz) (Ant 1)

Channel No.	Frequency (MHz)	Measurement Power Output (dBm)		Total Power (dBm)	Limit (dBm)	Result
		Ant 0	Ant 1			
1	2412	N/A	16.94	16.94	30.00	Pass
6	2437	N/A	17.41	17.41	30.00	Pass
11	2462	N/A	17.72	17.72	30.00	Pass

Product	:	ADSL2+ 4-port Wireless Router
Test Item	:	Power Output
Test Site	:	TR8
Test Mode	:	Mode 3: Transmit by 802.11n(20MHz) (Ant 0+1)

Channel No.	Frequency (MHz)	Measurement Power Output (dBm)		Total Power (dBm)	Limit (dBm)	Result
		Ant 0	Ant 1			
1	2412	19.94	18.91	22.47	30.00	Pass
6	2437	19.82	19.13	22.50	30.00	Pass
11	2462	19.89	19.45	22.69	30.00	Pass

Product	:	ADSL2+ 4-port Wireless Router
Test Item	:	Power Output
Test Site	:	TR8
Test Mode	:	Mode 4: Transmit by 802.11n(40MHz) (Ant 0)

Channel No.	Frequency (MHz)	Measurement Power Output (dBm)		Total Power (dBm)	Limit (dBm)	Result
		Ant 0	Ant 1			
3	2422	18.12	N/A	18.12	30.00	Pass
6	2437	18.40	N/A	18.40	30.00	Pass
9	2452	18.72	N/A	18.72	30.00	Pass

Product	:	ADSL2+ 4-port Wireless Router
Test Item	:	Power Output
Test Site	:	TR8
Test Mode	:	Mode 4: Transmit by 802.11n(40MHz) (Ant 1)

Channel No.	Frequency (MHz)	Measurement Power Output (dBm)		Total Power (dBm)	Limit (dBm)	Result
		Ant 0	Ant 1			
3	2422	N/A	18.23	18.23	30.00	Pass
6	2437	N/A	18.68	18.68	30.00	Pass
9	2452	N/A	18.46	18.46	30.00	Pass

Product	:	ADSL2+ 4-port Wireless Router
Test Item	:	Power Output
Test Site	:	TR8
Test Mode	:	Mode 4:Transmit by 802.11n(40MHz) (Ant 0+1)

Channel No.	Frequency (MHz)	Measurement Power Output (dBm)		Total Power (dBm)	Limit (dBm)	Result
		Ant 0	Ant 1			
3	2422	17.97	17.68	20.84	30.00	Pass
6	2437	18.12	17.58	20.87	30.00	Pass
9	2452	18.38	17.69	21.06	30.00	Pass

10. Power Spectral Density

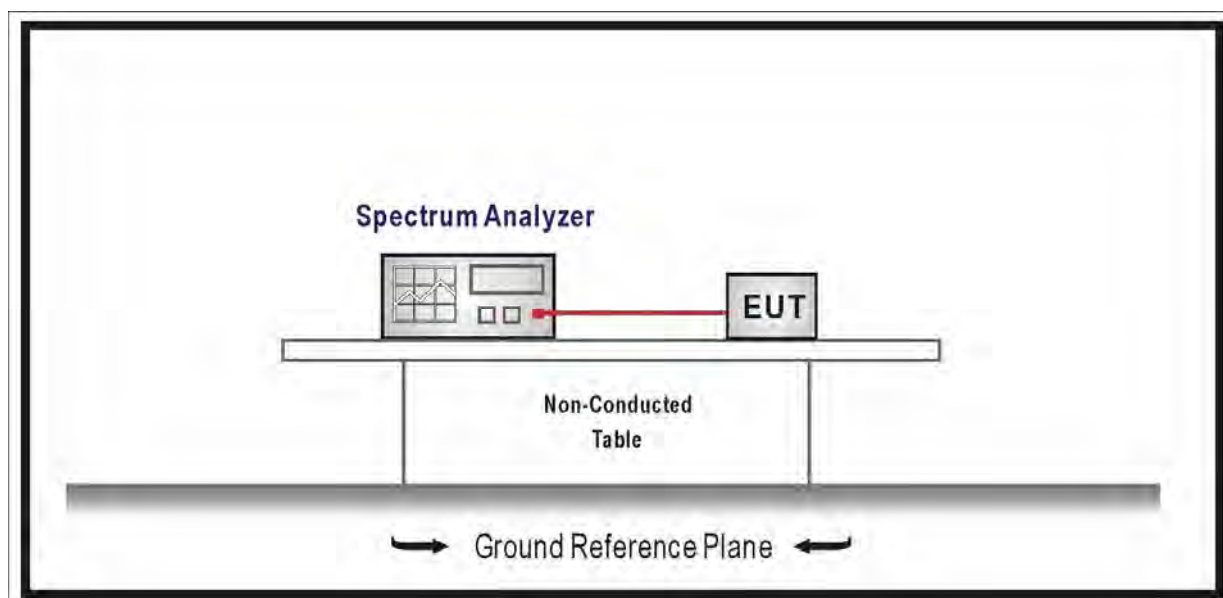
10.1. Test Equipment

Power Spectral Density / TR-8

Instrument	Manufacturer	Type No.	Serial No.	Cali. Due Date
Spectrum Analyzer	Agilent	E4446A	MY45300103	2011.04.30
Temperature/Humidity Meter	zhicheng	ZC1-2	TR8-TH	2011.01.14

Note: All equipments are calibrated with traceable calibrations. Each calibration is traceable to the national or international standards.

10.2. Test Setup



10.3. Limit

For digitally modulated systems, the power spectral density conducted from the intentional radiated to the antenna shall not be greater than 8dBm in any 3kHz band during any time interval of continuous transmission.

10.4. Test Procedure

The EUT was tested according to ANSI C63.10: 2009 for compliance to FCC 47CFR 15.247 requirements.

Set RBW= 3 kHz, Set VBW \cong 10 kHz, Sweep time=100s, Set detector=Peak detector.

10.5. Uncertainty

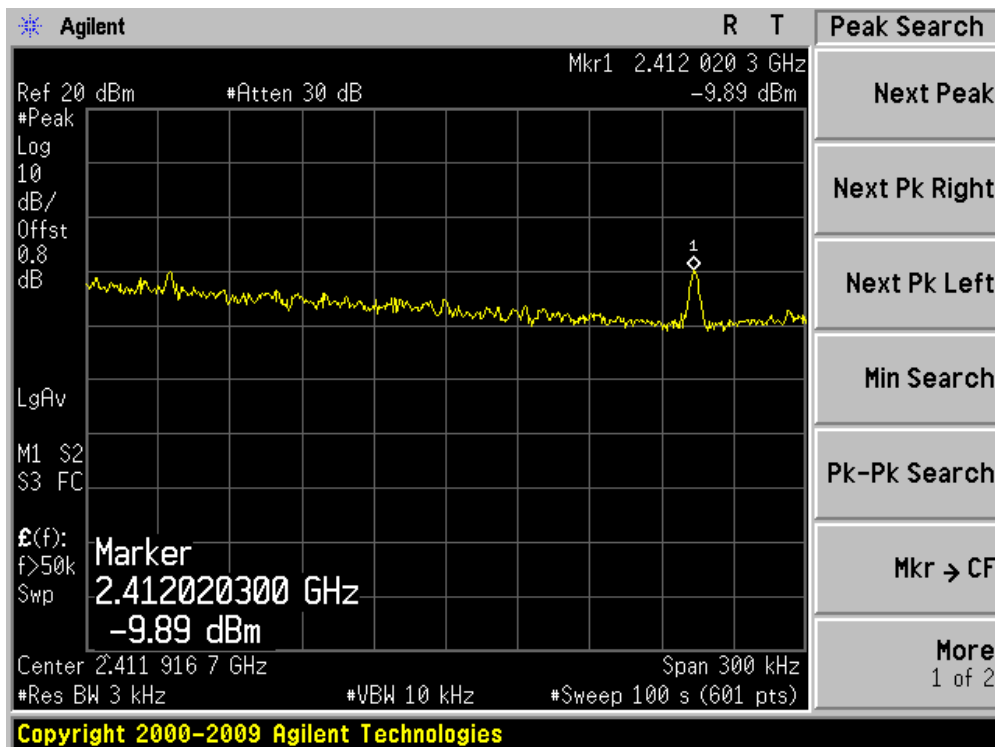
The measurement uncertainty is defined as ± 1.27 dB

10.6. Test Result

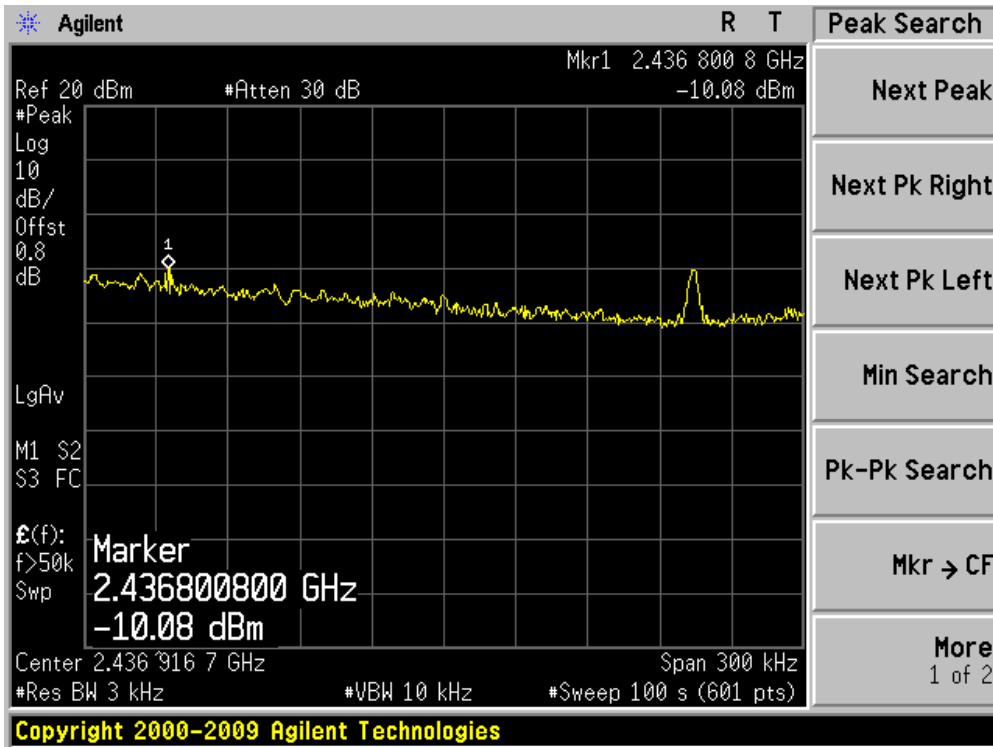
Product	:	ADSL2+ 4-port Wireless Router
Test Item	:	Power Spectral Density
Test Site	:	TR-8
Test Mode	:	Mode 1: Transmit by 802.11b (Ant 0)

Channel No.	Frequency (MHz)	Measurement PPSD (dBm)		Total PPSD (dBm)	Limit (dBm)	Result
		Ant 0	Ant 1			
01	2412	-9.89	N/A	-9.89	8	Pass
06	2437	-10.08	N/A	-10.08	8	Pass
11	2462	-9.30	N/A	-9.30	8	Pass

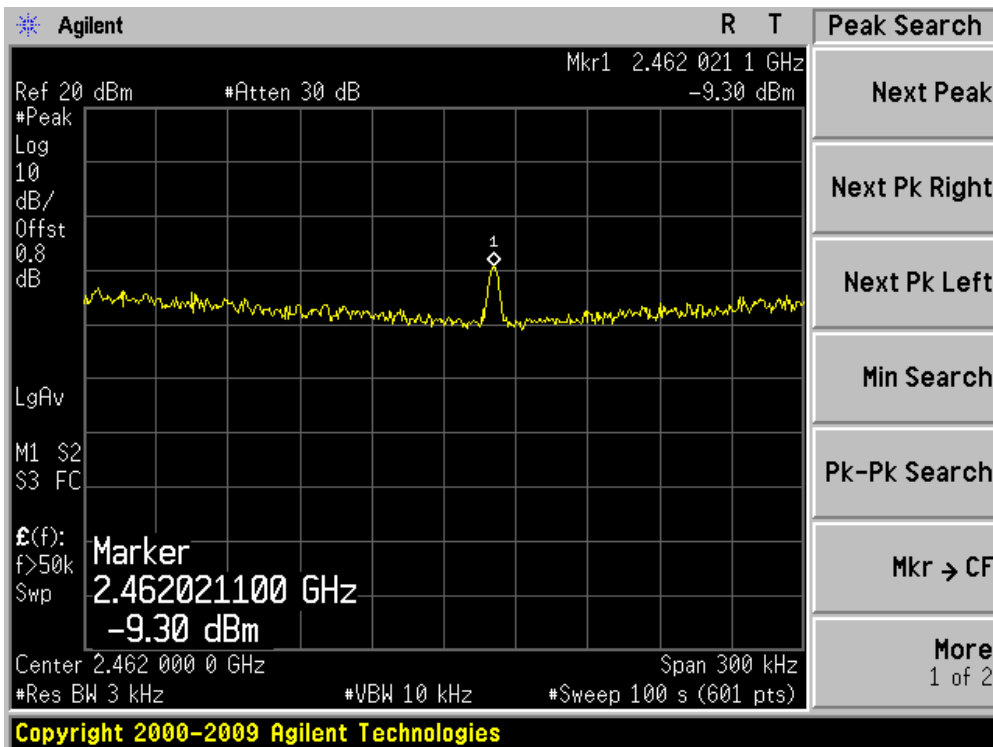
Channel 01 (2412MHz)



Channel 06 (2437MHz)



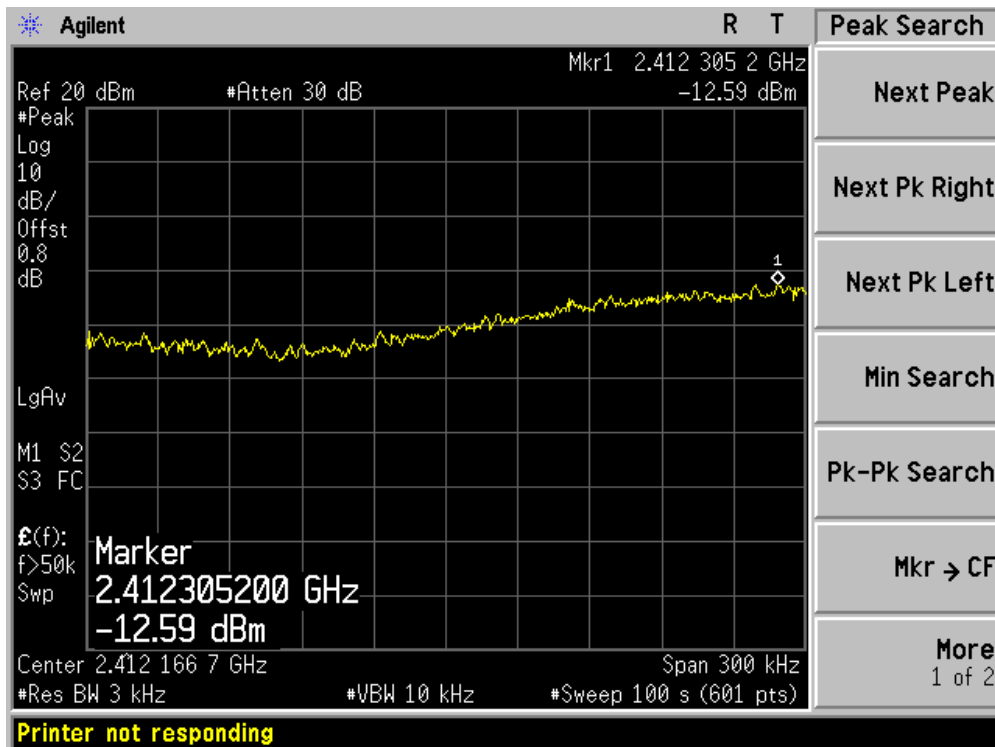
Channel 11 (2462MHz)



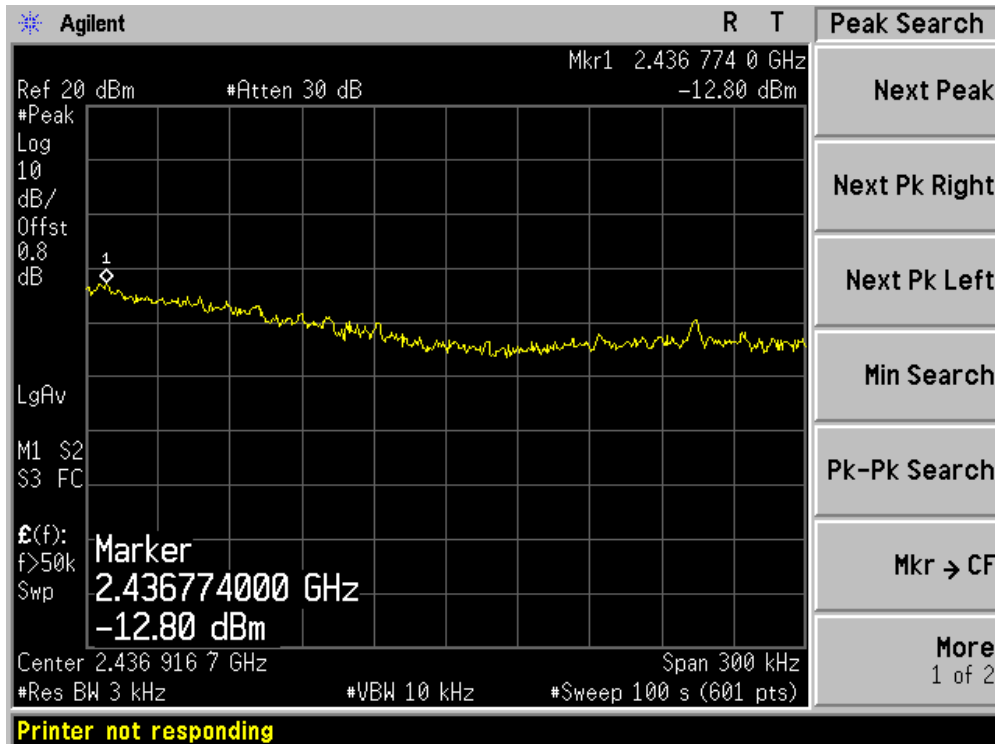
Product	:	ADSL2+ 4-port Wireless Router
Test Item	:	Power Spectral Density
Test Site	:	TR-8
Test Mode	:	Mode 2: Transmit by 802.11g (Ant 0)

Channel No.	Frequency (MHz)	Measurement PPSD (dBm)		Total PPSD (dBm)	Limit (dBm)	Result
		Ant 0	Ant 1			
01	2412	-12.59	N/A	-12.59	8	Pass
06	2437	-12.80	N/A	-12.80	8	Pass
11	2462	-12.77	N/A	-12.77	8	Pass

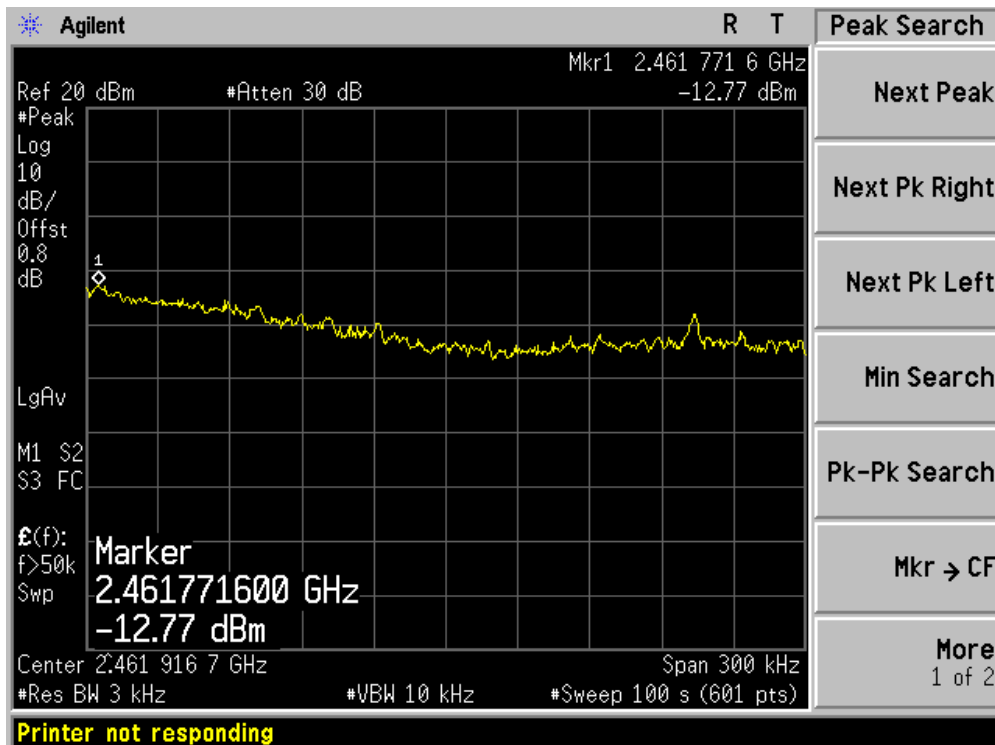
Channel 01 (2412MHz)



Channel 06 (2437MHz)



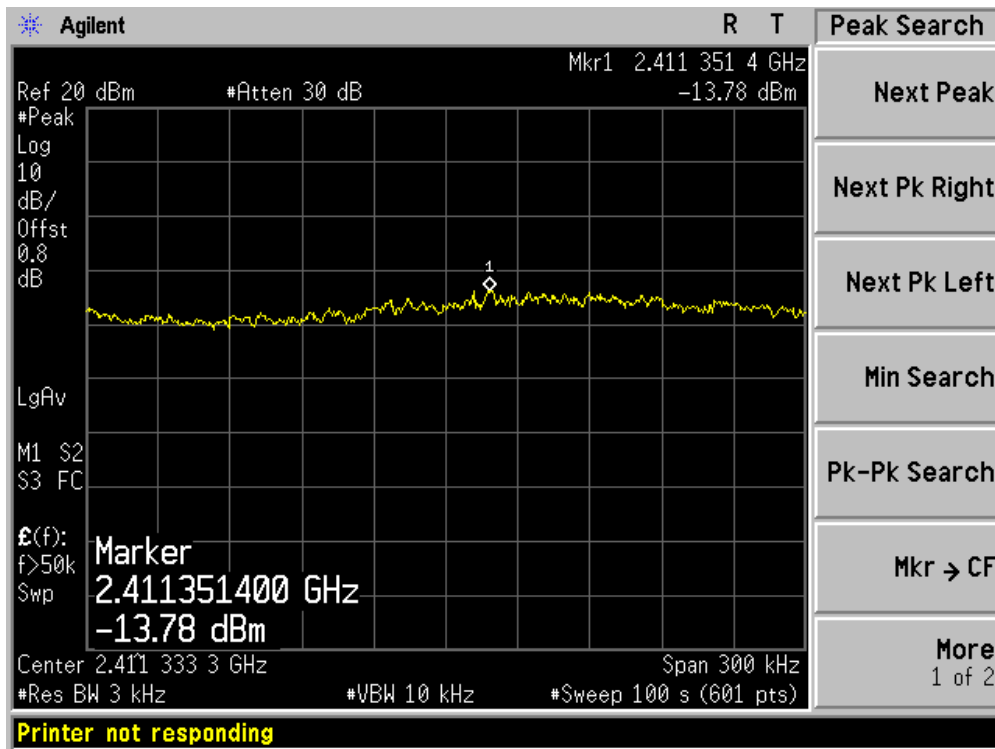
Channel 11 (2462MHz)



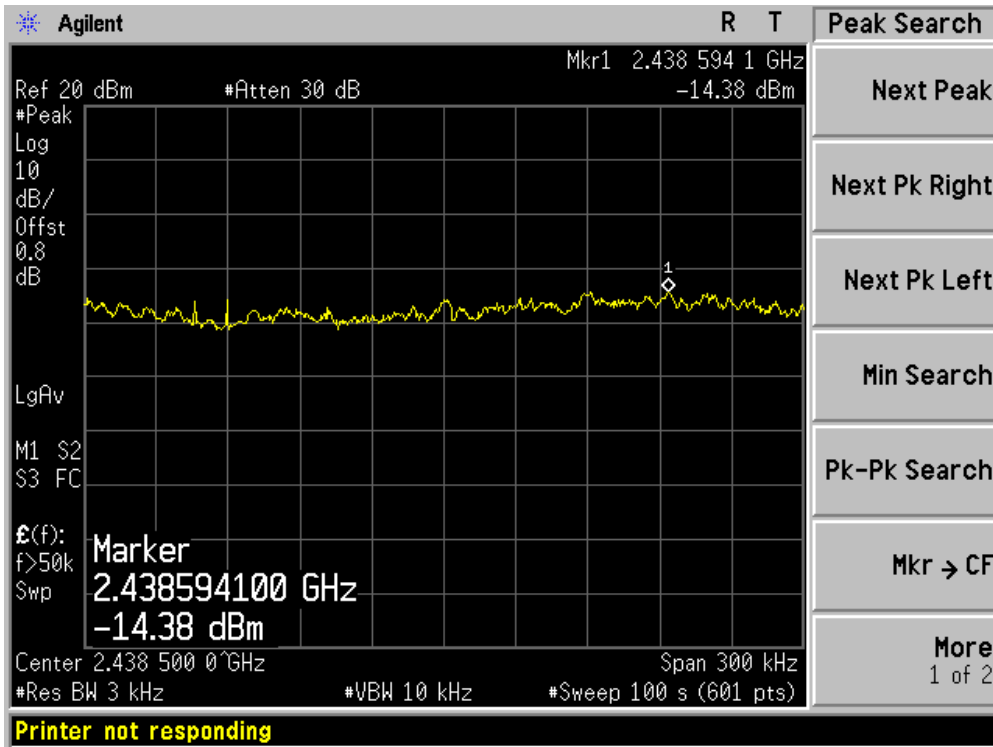
Product	:	ADSL2+ 4-port Wireless Router
Test Item	:	Power Spectral Density
Test Site	:	TR-8
Test Mode	:	Mode 3: Transmit by 802.11n (20MHz) (Ant 0)

Channel No.	Frequency (MHz)	Measurement PPSD (dBm)		Total PPSD (dBm)	Limit (dBm)	Result
		Ant 0	Ant 1			
01	2412	-13.78	N/A	-13.78	8	Pass
06	2437	-14.38	N/A	-14.38	8	Pass
11	2462	-14.10	N/A	-14.10	8	Pass

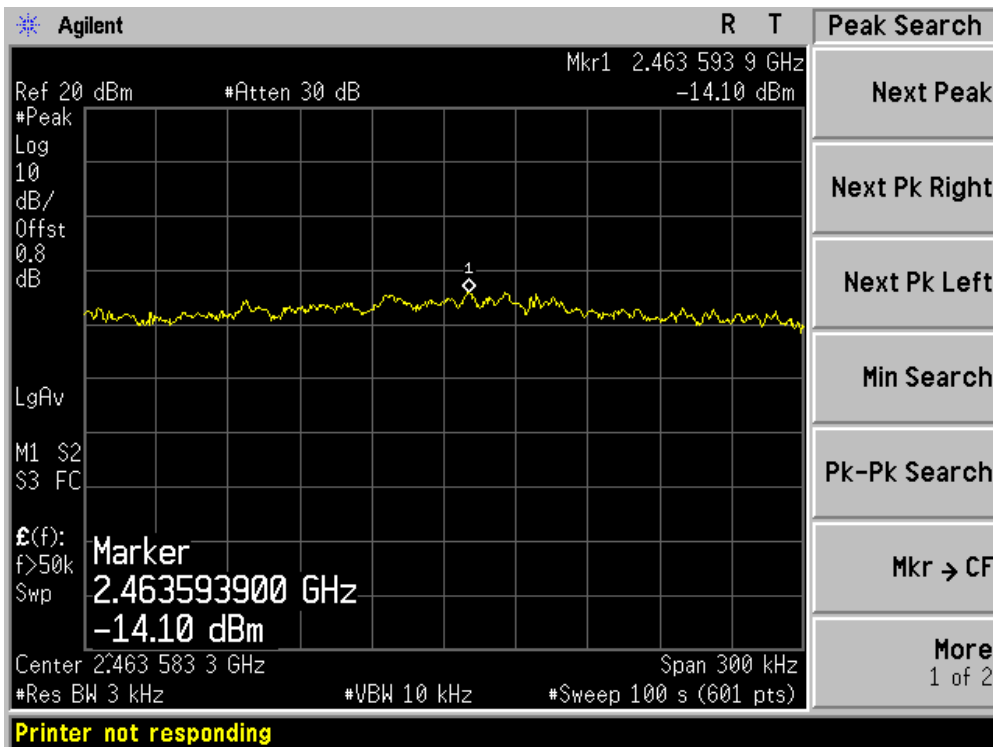
Channel 01 (2412MHz)



Channel 06 (2437MHz)



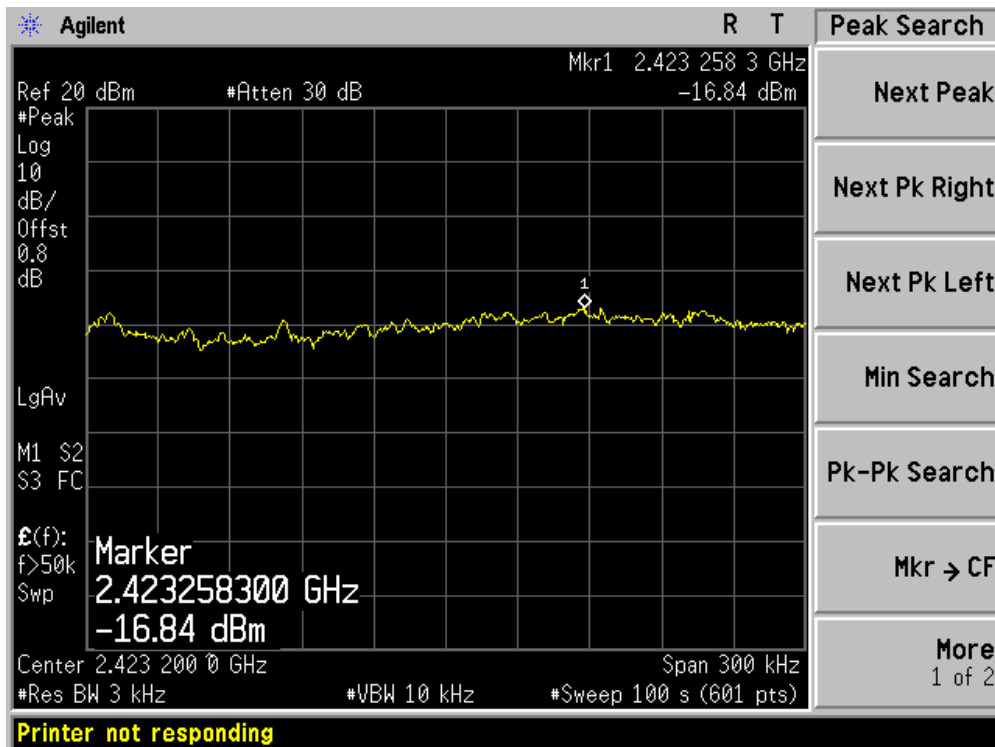
Channel 11 (2462MHz)



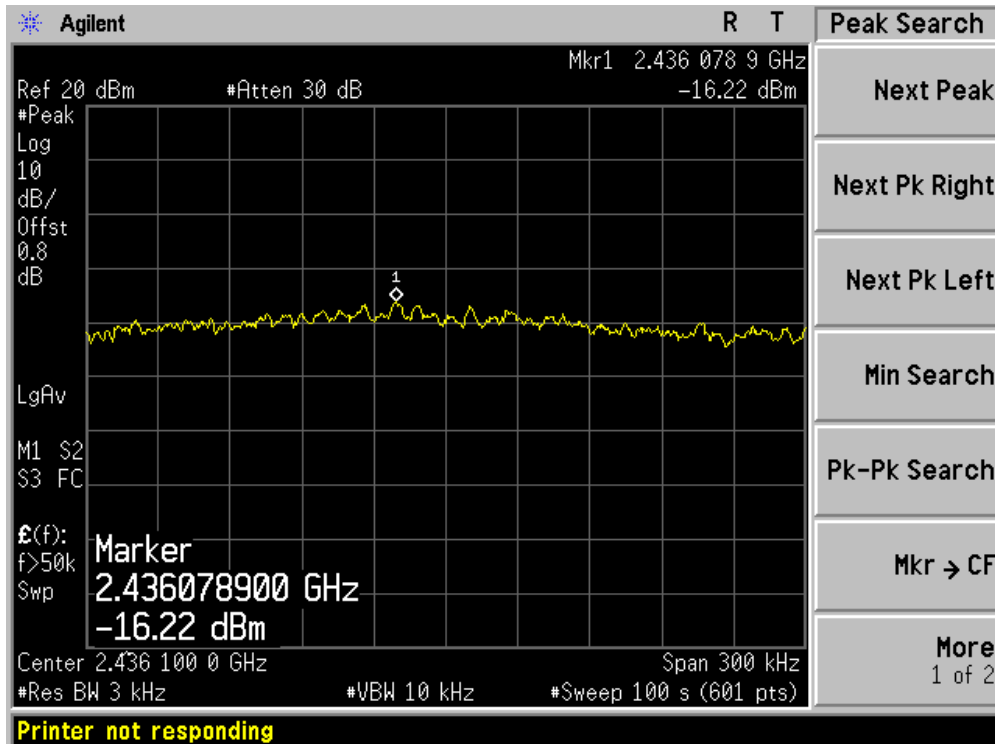
Product	:	ADSL2+ 4-port Wireless Router
Test Item	:	Power Spectral Density
Test Site	:	TR-8
Test Mode	:	Mode 4: Transmit by 802.11n (40MHz) (Ant 0)

Channel No.	Frequency (MHz)	Measurement PPSD (dBm)		Total PPSD (dBm)	Limit (dBm)	Result
		Ant 0	Ant 1			
03	2422	-16.84	N/A	-16.84	8	Pass
06	2437	-16.22	N/A	-16.22	8	Pass
09	2452	-15.33	N/A	-15.33	8	Pass

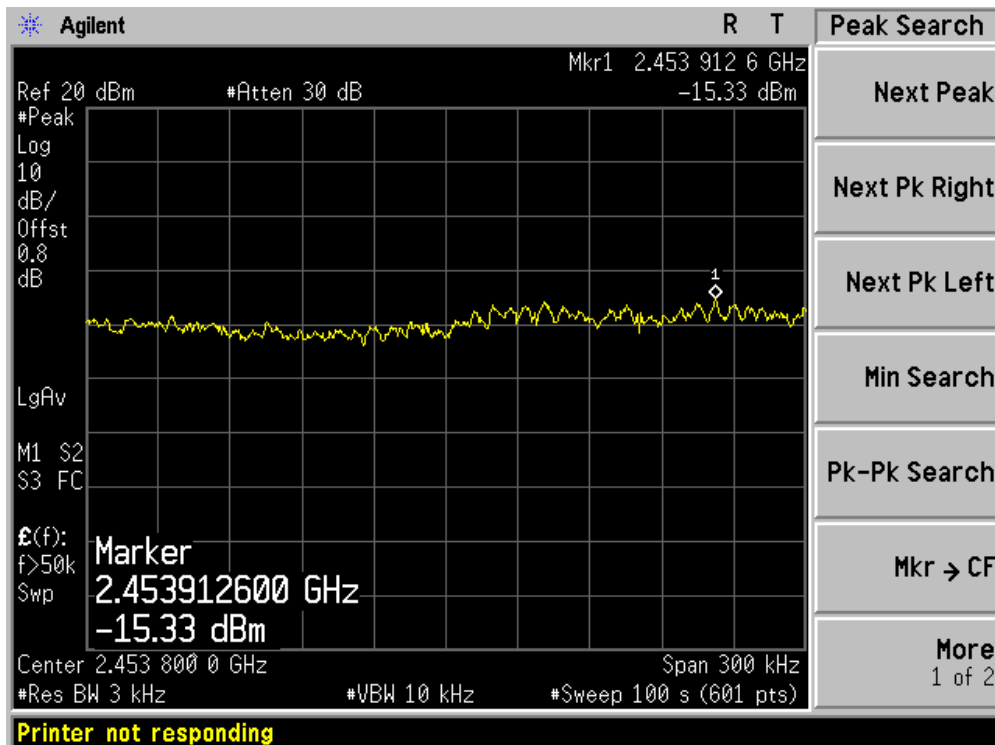
Channel 03 (2422MHz)



Channel 06 (2437MHz)



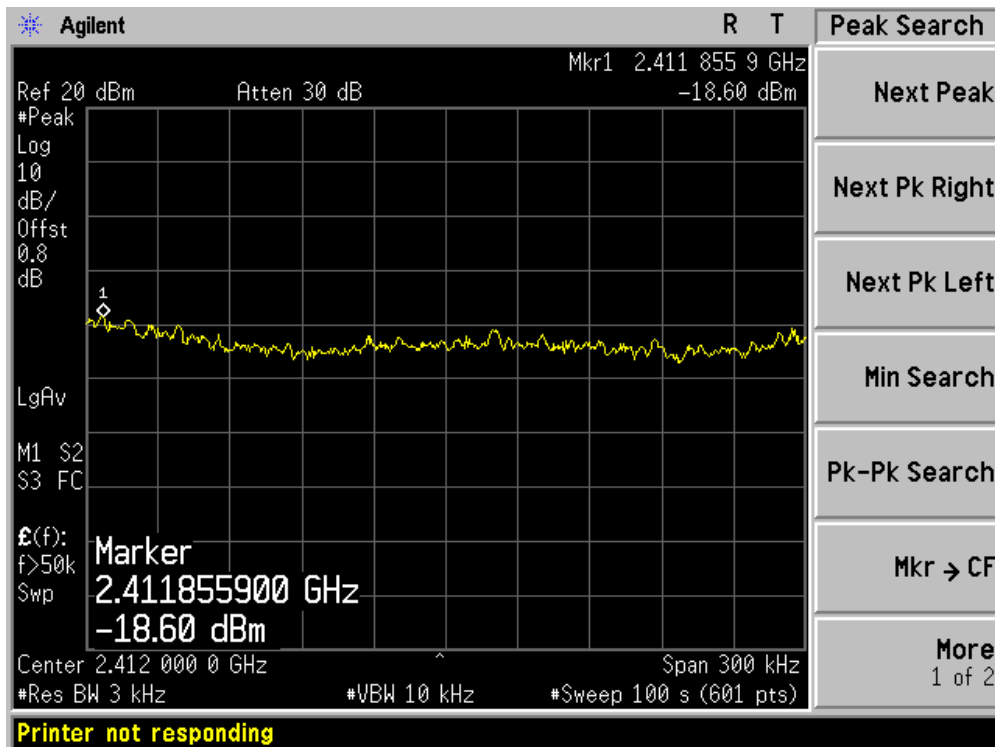
Channel 09 (2452MHz)



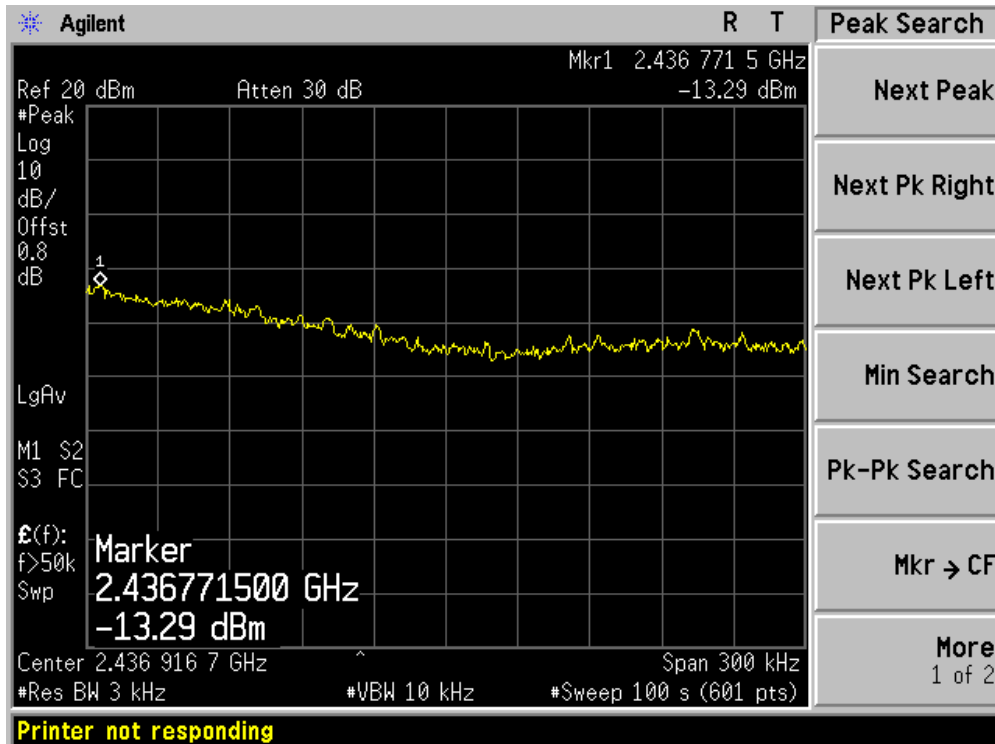
Product	:	ADSL2+ 4-port Wireless Router
Test Item	:	Power Spectral Density
Test Site	:	TR-8
Test Mode	:	Mode 2: Transmit by 802.11g (Ant 1)

Channel No.	Frequency (MHz)	Measurement PPSD (dBm)		Total PPSD (dBm)	Limit (dBm)	Result
		Ant 0	Ant 1			
01	2412	N/A	-18.60	-18.60	8	Pass
06	2437	N/A	-13.29	-13.29	8	Pass
11	2462	N/A	-11.65	-11.65	8	Pass

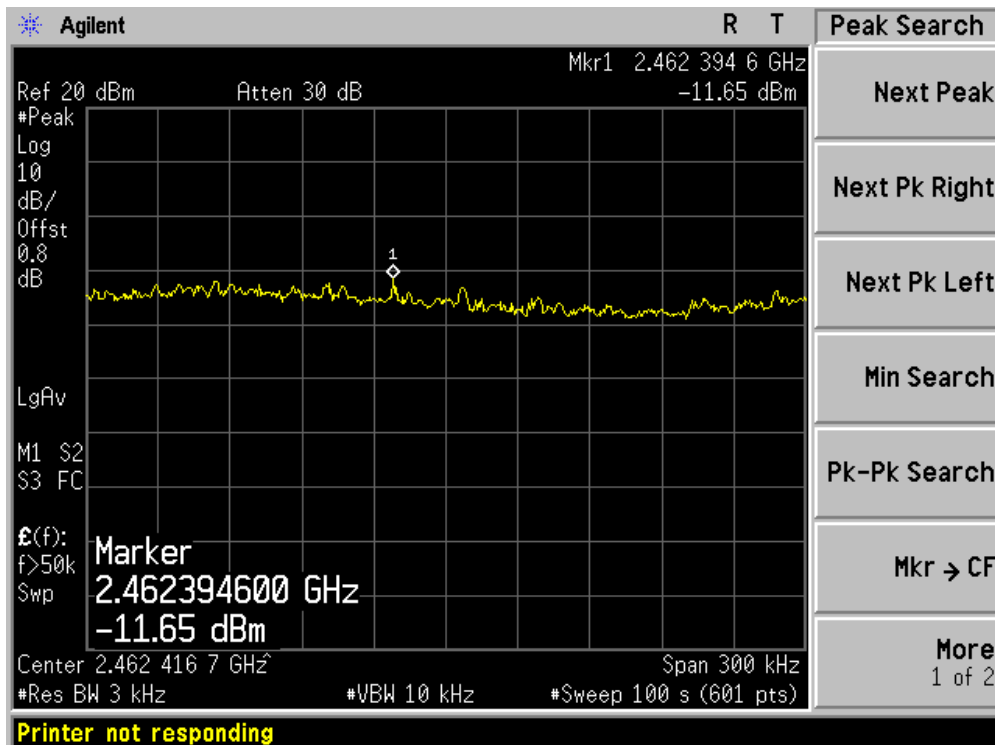
Channel 01 (2412MHz)



Channel 06 (2437MHz)



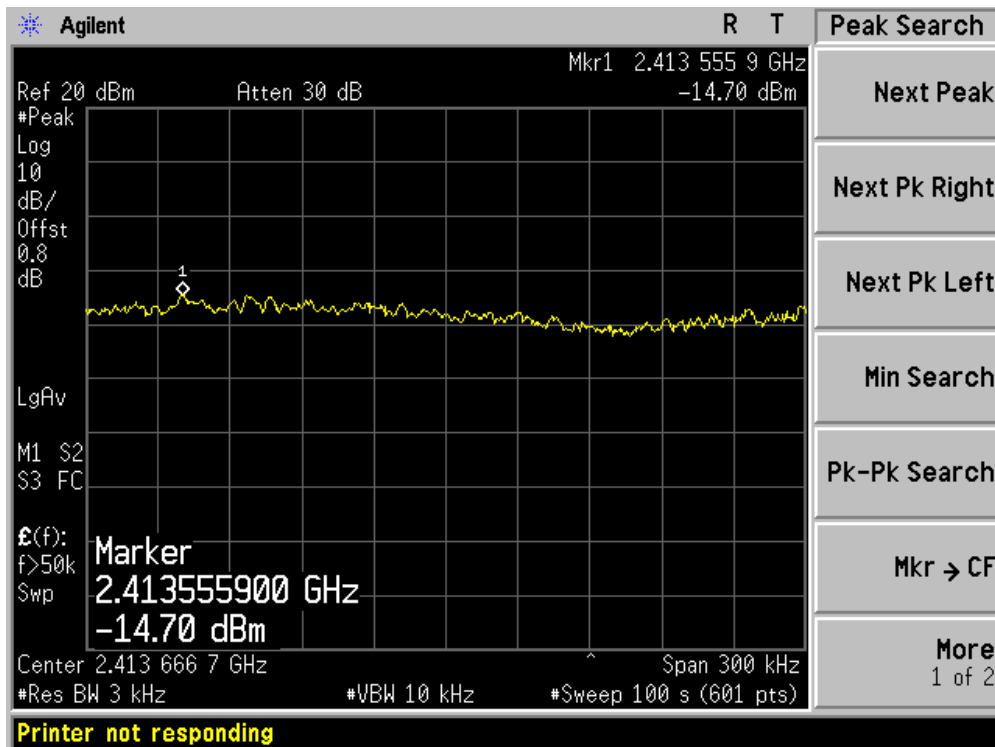
Channel 11 (2462MHz)



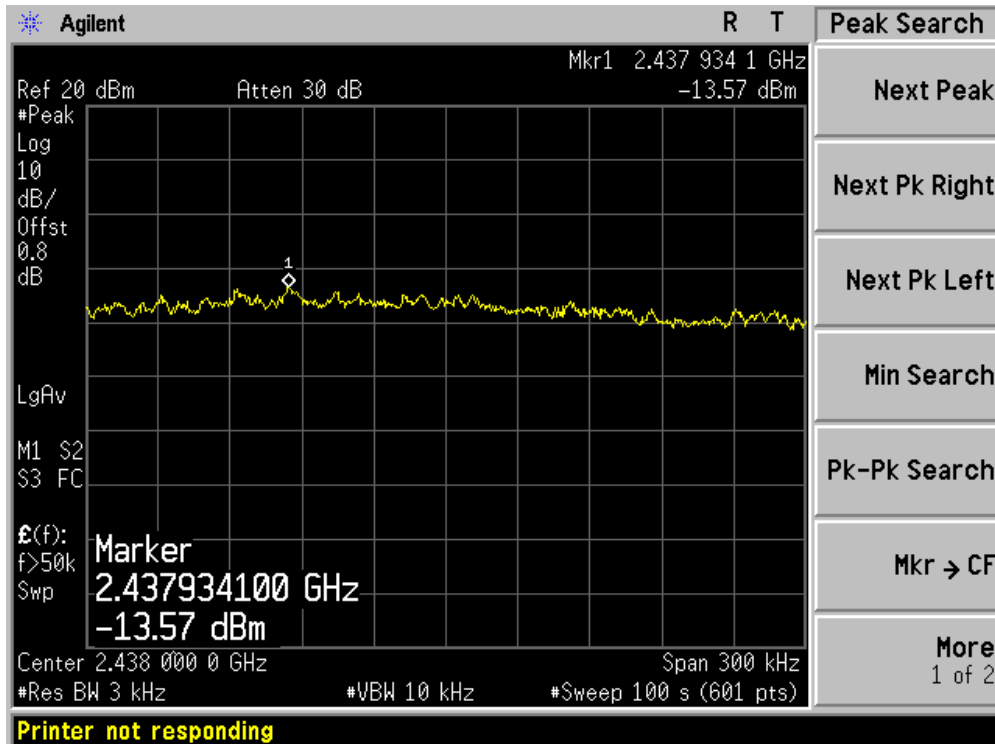
Product	:	ADSL2+ 4-port Wireless Router
Test Item	:	Power Spectral Density
Test Site	:	TR-8
Test Mode	:	Mode 3: Transmit by 802.11n (20MHz) (Ant 1)

Channel No.	Frequency (MHz)	Measurement PPSD (dBm)		Total PPSD (dBm)	Limit (dBm)	Result
		Ant 0	Ant 1			
01	2412	N/A	-14.70	-14.70	8	Pass
06	2437	N/A	-13.57	-13.57	8	Pass
11	2462	N/A	-13.55	-13.55	8	Pass

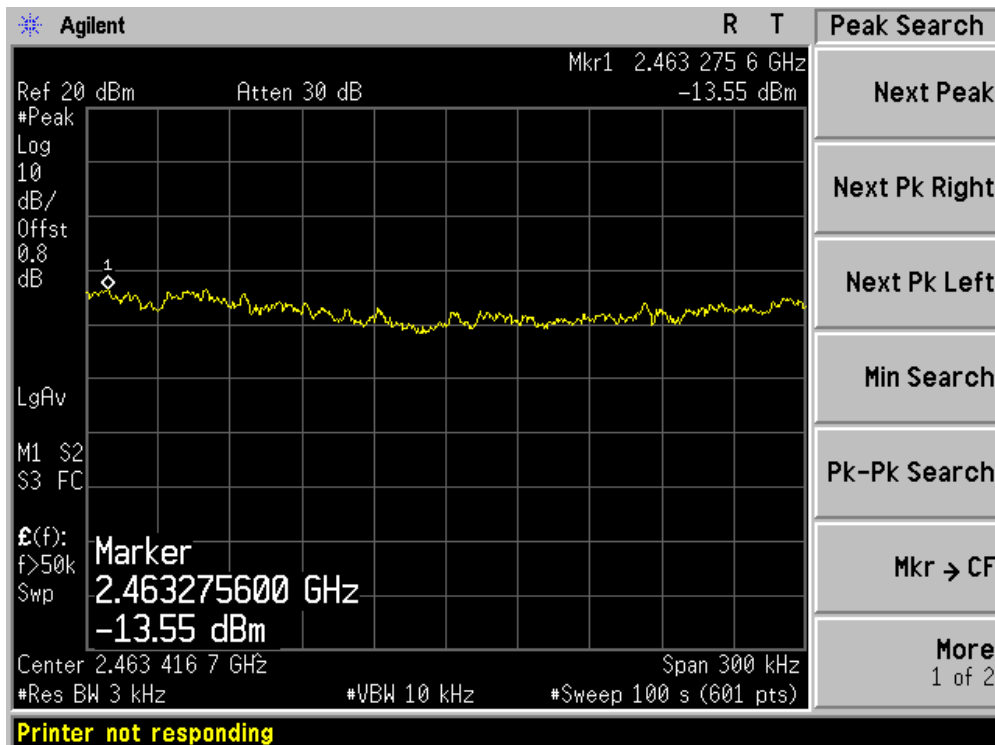
Channel 01 (2412MHz)



Channel 06 (2437MHz)



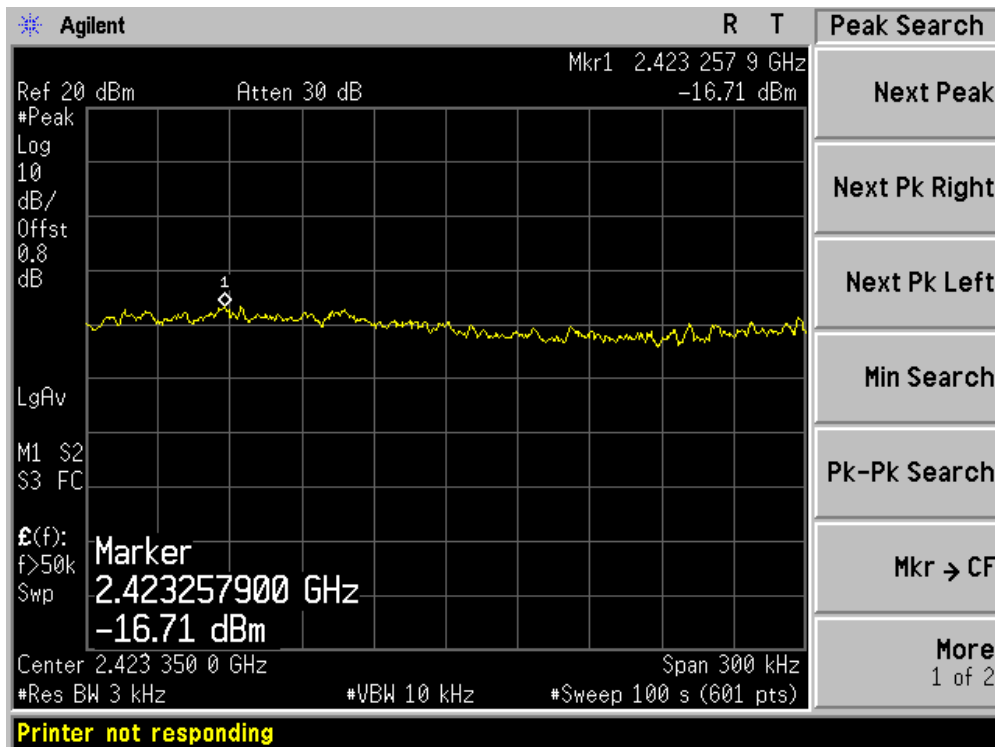
Channel 11 (2462MHz)



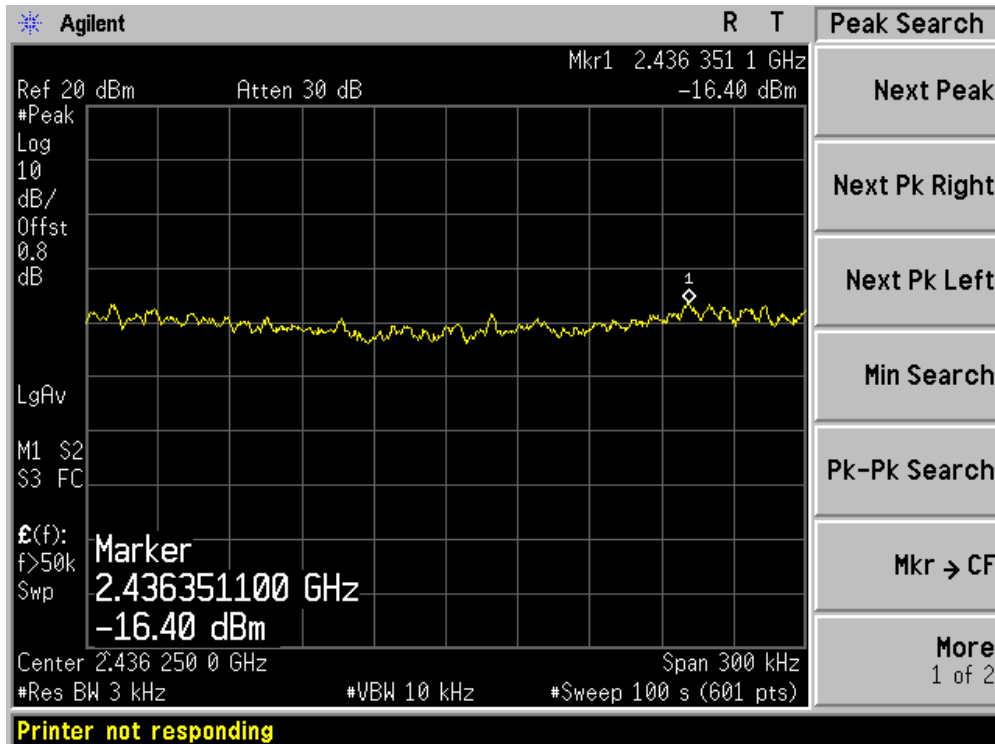
Product	:	ADSL2+ 4-port Wireless Router
Test Item	:	Power Spectral Density
Test Site	:	TR-8
Test Mode	:	Mode 4: Transmit by 802.11n (40MHz) (Ant 1)

Channel No.	Frequency (MHz)	Measurement PPSD (dBm)		Total PPSD (dBm)	Limit (dBm)	Result
		Ant 0	Ant 1			
03	2422	N/A	-16.71	-16.71	8	Pass
06	2437	N/A	-16.40	-16.40	8	Pass
09	2452	N/A	-16.58	-16.58	8	Pass

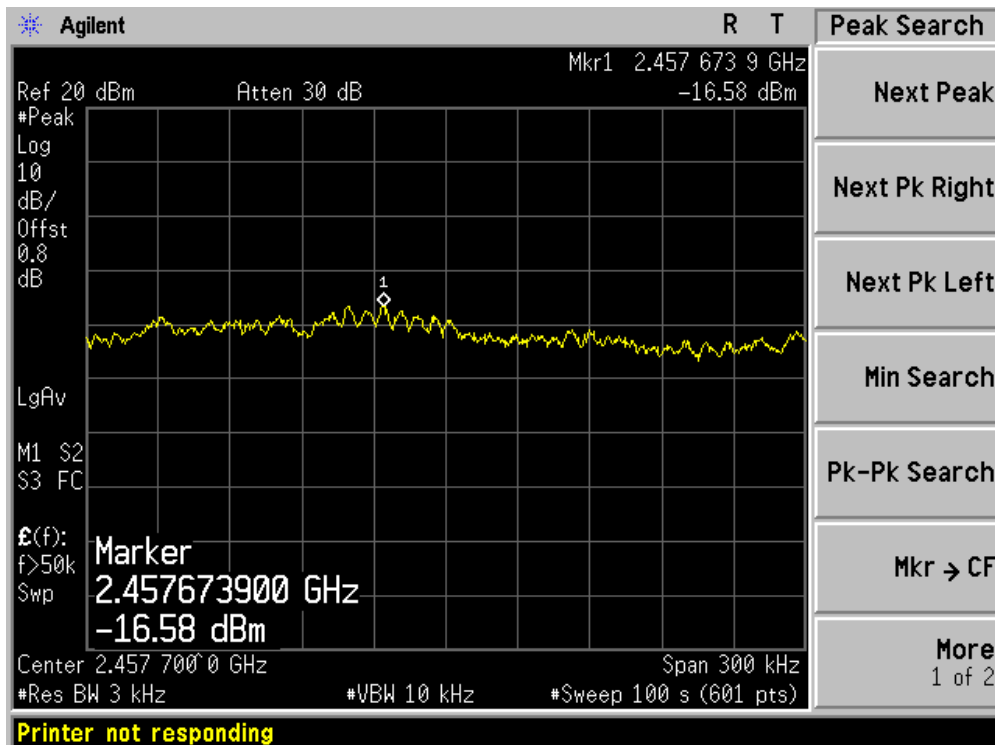
Channel 03 (2422MHz)



Channel 06 (2437MHz)



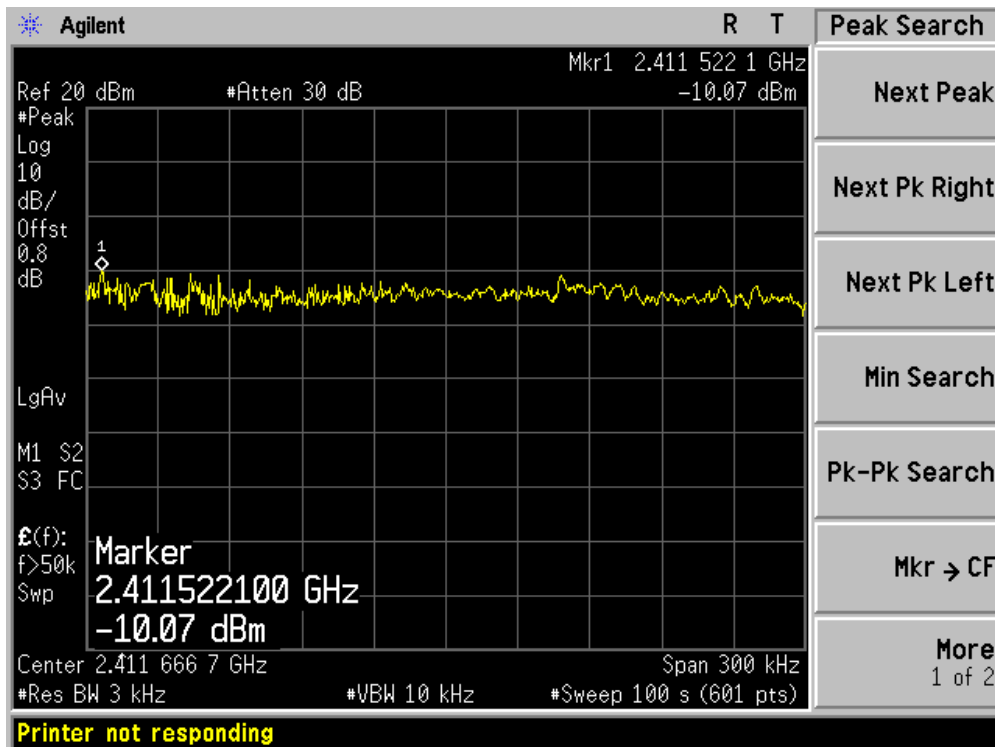
Channel 09 (2452MHz)



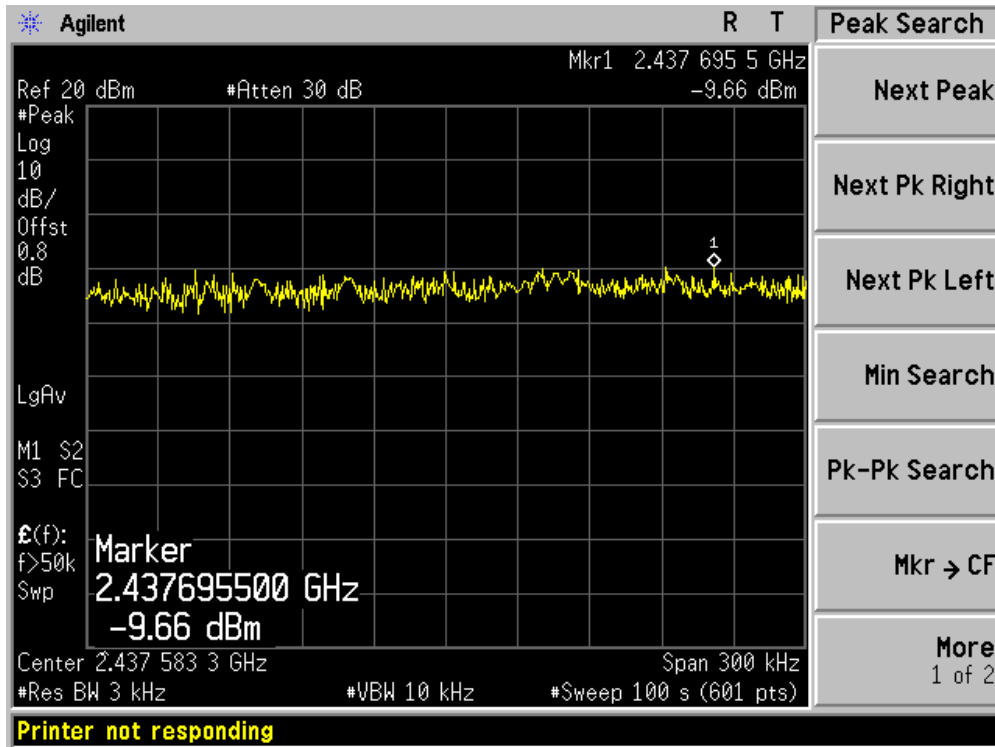
Product	:	ADSL2+ 4-port Wireless Router
Test Item	:	Power Spectral Density
Test Site	:	TR-8
Test Mode	:	Mode 3: Transmit by 802.11n (20MHz) (Ant 0+1)

Channel No.	Frequency (MHz)	Measurement PPSD (dBm)		Total PPSD (dBm)	Limit (dBm)	Result
		Ant 0	Ant 1			
01	2412	-10.07	-12.83	-8.22	8	Pass
06	2437	-9.66	-10.86	-7.21	8	Pass
11	2462	-8.36	-11.26	-6.56	8	Pass

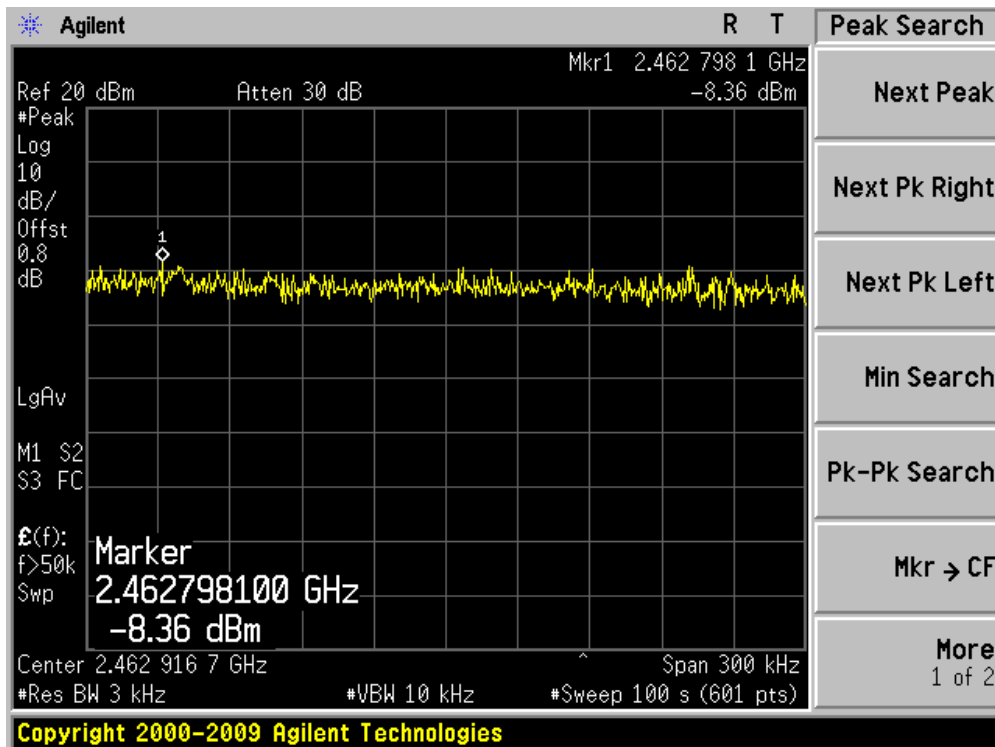
Channel 01 (2412MHz) – Ant 0



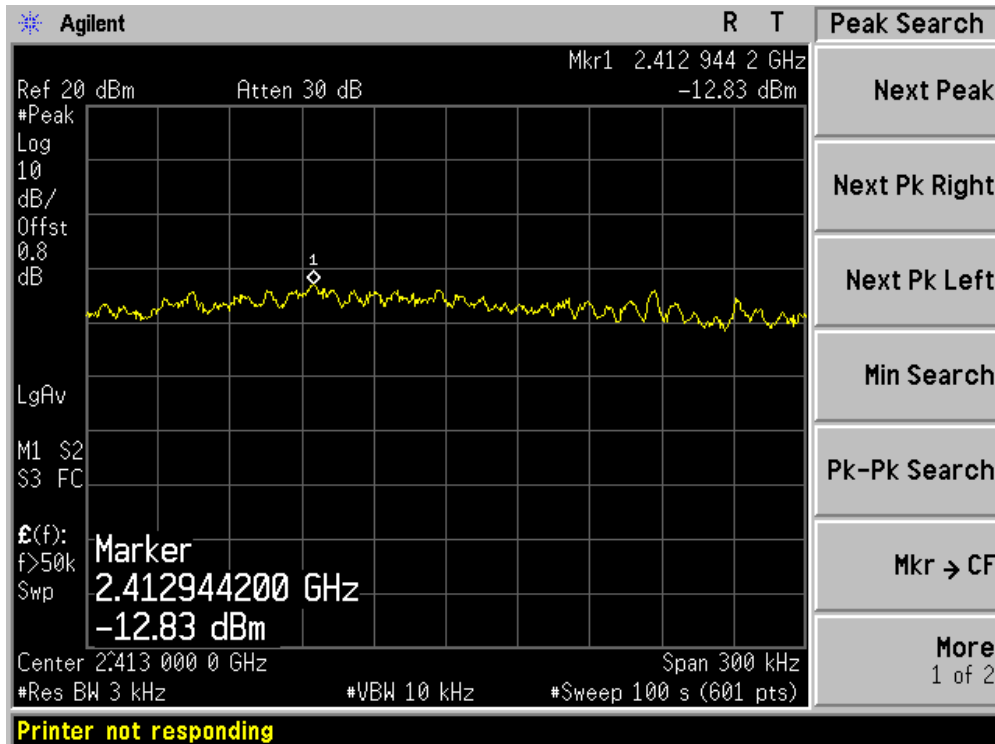
Channel 06 (2437MHz) – Ant 0



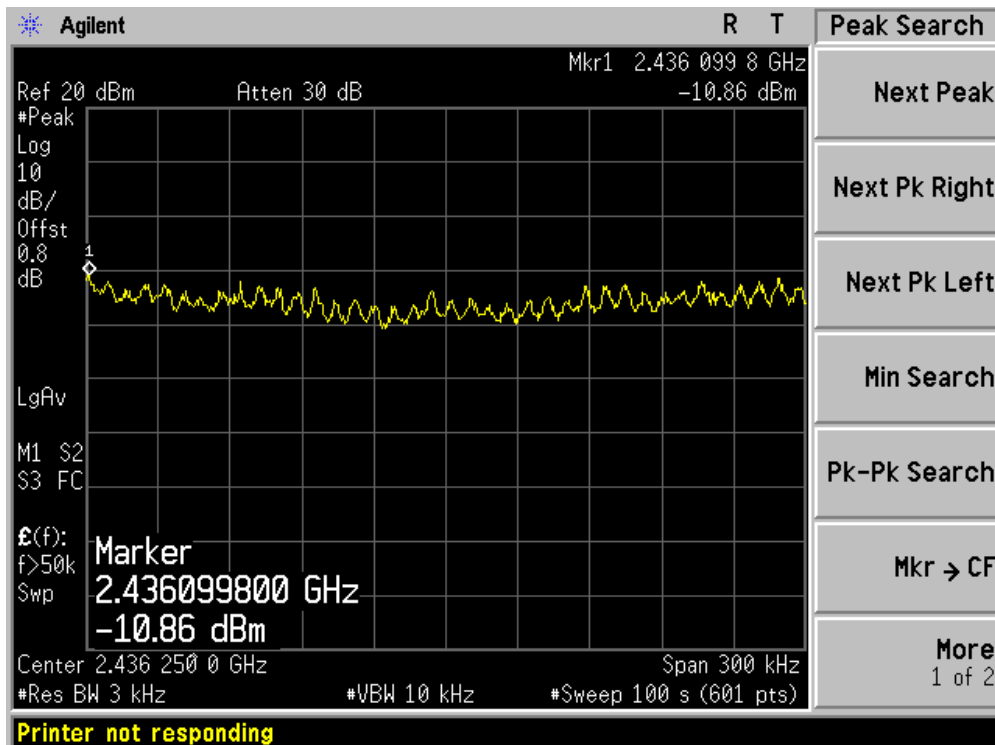
Channel 11 (2462MHz) – Ant 0



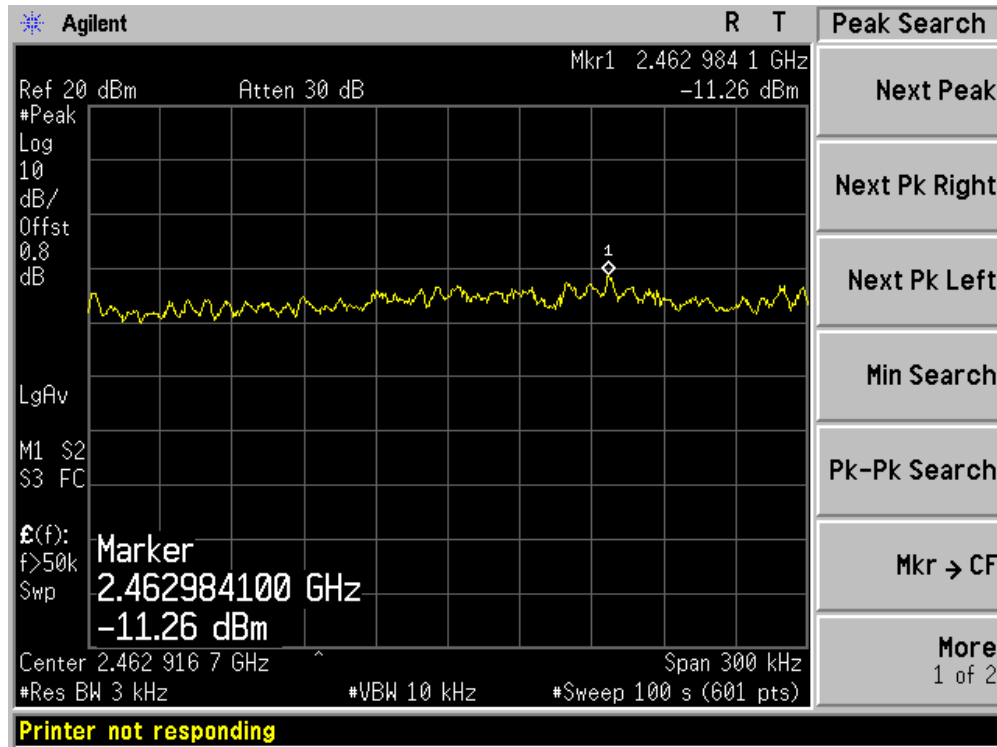
Channel 01 (2412MHz) – Ant 1



Channel 06 (2437MHz) – Ant 1



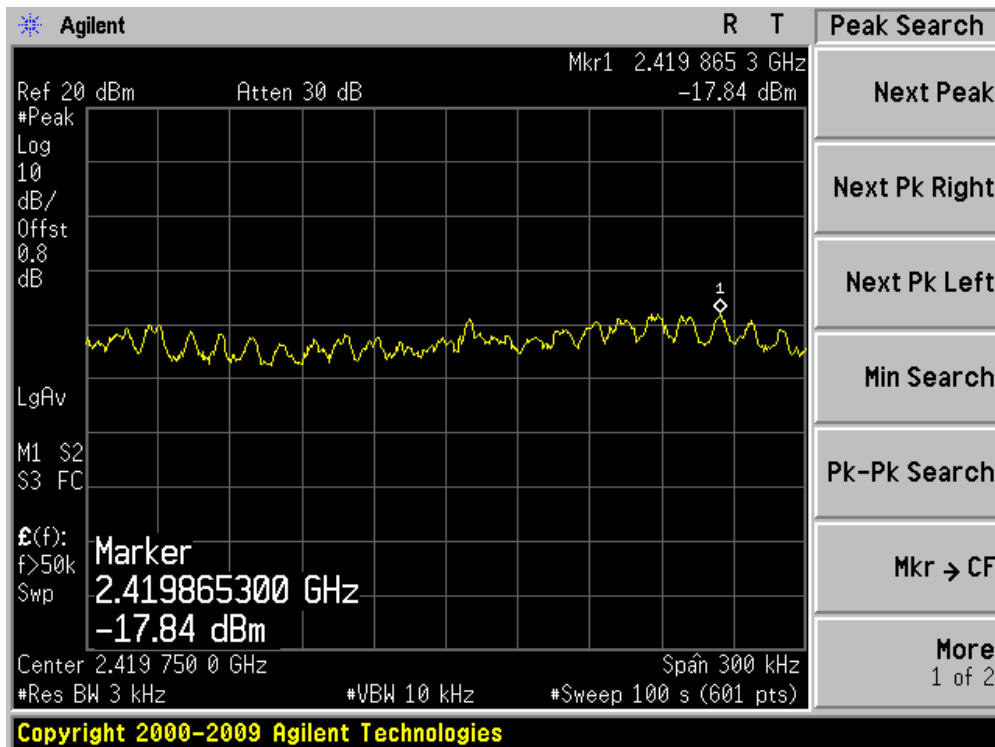
Channel 11 (2462MHz) – Ant 1



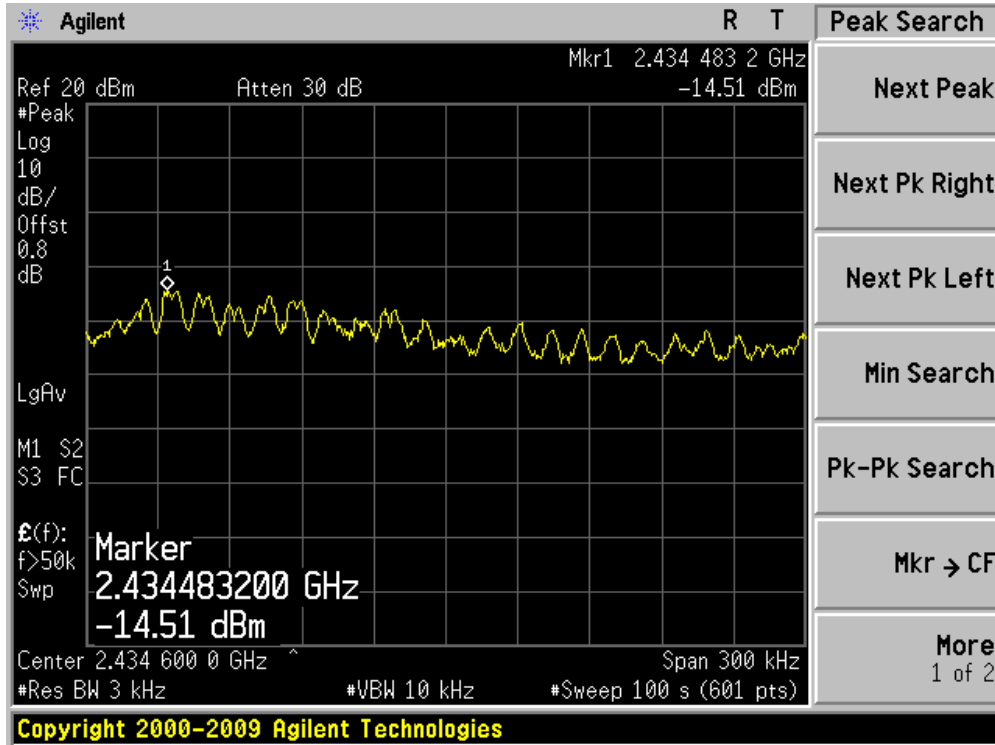
Product	:	ADSL2+ 4-port Wireless Router
Test Item	:	Power Spectral Density
Test Site	:	TR-8
Test Mode	:	Mode 4: Transmit by 802.11n (40MHz) (Ant 0+1)

Channel No.	Frequency (MHz)	Measurement PPSD (dBm)		Total PPSD (dBm)	Limit (dBm)	Result
		Ant 0	Ant 1			
03	2422	-17.84	-16.11	-13.88	8	Pass
06	2437	-14.51	-16.97	-12.56	8	Pass
09	2452	-16.11	-16.60	-13.34	8	Pass

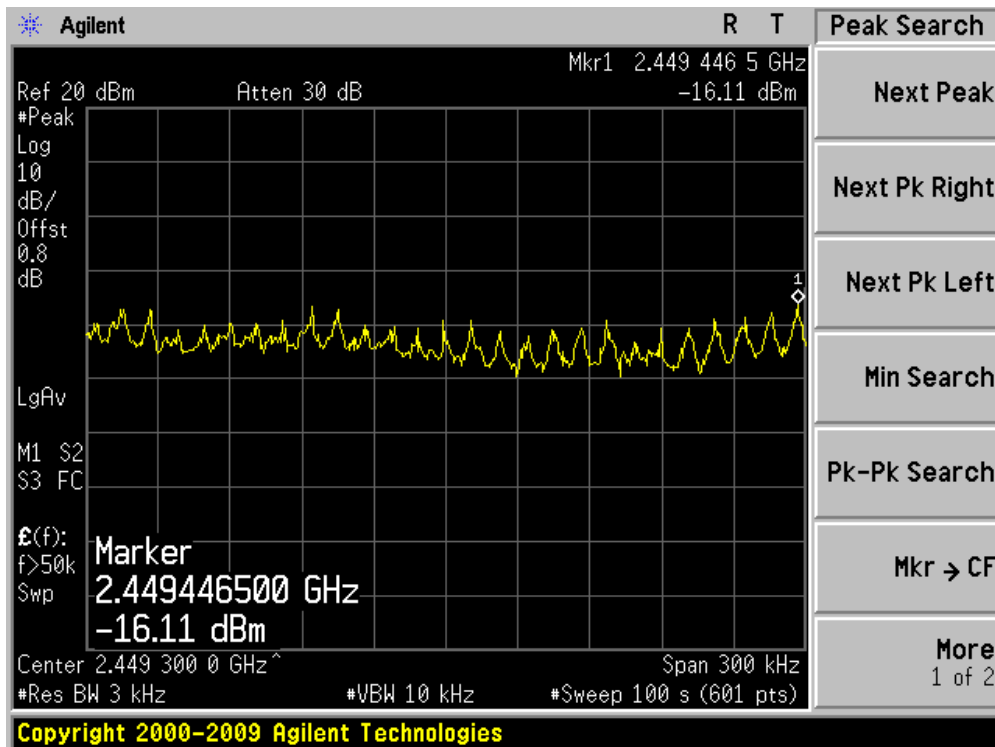
Channel 03 (2422MHz) – Ant 0



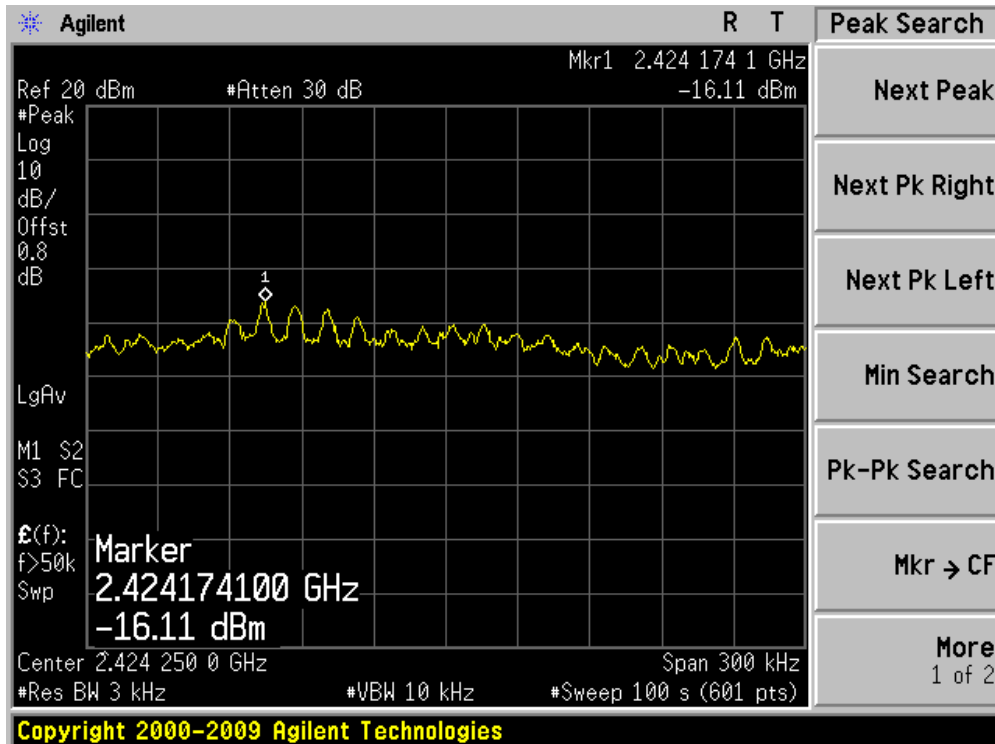
Channel 06 (2437MHz) – Ant 0



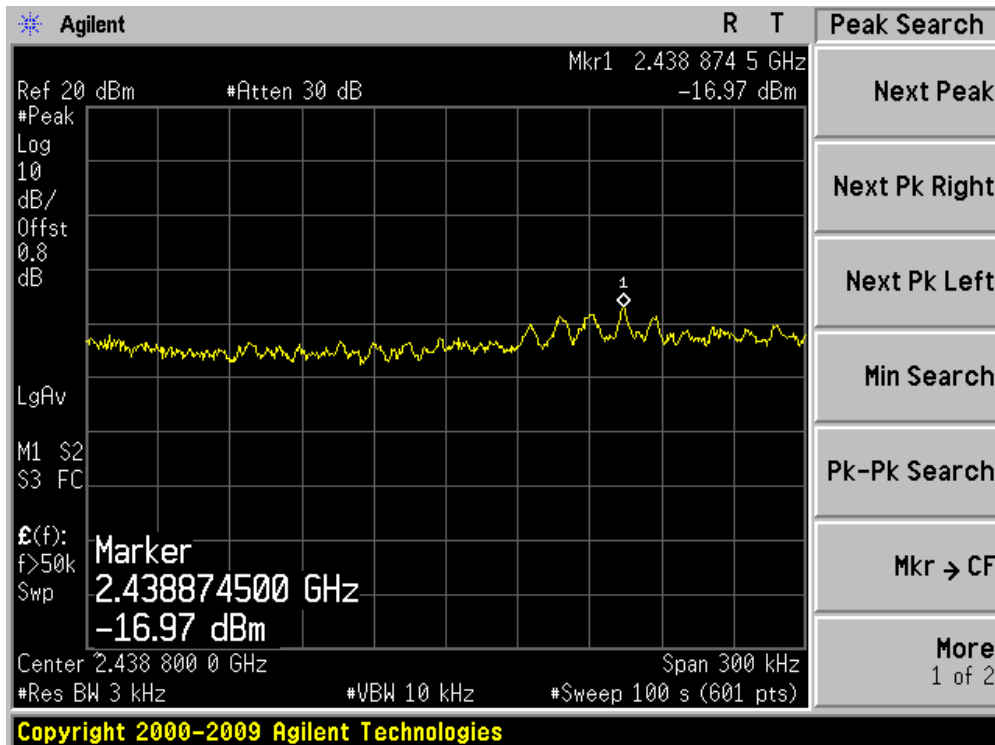
Channel 09 (2452MHz) – Ant 0



Channel 03 (2422MHz) – Ant 1



Channel 06 (2437MHz) – Ant 1



Channel 09 (2452MHz) – Ant 1

