FCC PART 15C TEST REPORT FOR CERTIFICATION
On Behalf of

LINXEE (BEIJING) TECHNOLOGY LTD.

Ultrathin Wireless Router

Model No.: R100

FCC ID: 2ABCTLINXEER100

Prepared for : LINXEE (BEIJING) TECHNOLOGY LTD.
801, 8F, Taipeng Mansion, No.10 Haidian North 2nd Street,
Haidian District, Beijing, China.

Prepared By : Audix Technology (Shenzhen) Co., Ltd.
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Report Number	:	ACS-F13351
Date of Test	:	Aug.24~Sep.03, 2013
Date of Report	:	Jan.02, 2014

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TEST REPORT CERTIFICATION

Applicant	:	LINXEE (BEIJING) TECHNOLOGY LTD.
Manufacturer	:	LONG BEN TECHNOLOGY LIMITED
EUT Description	:	Ultrathin Wireless Router
FCC ID	:	2ABCTLINXEER100

(A) MODEL NO. : R100
(B) SERIAL NO. : N/A
(C) POWER SUPPLY : DC 5V
(D) TEST VOLTAGE : DC 5V From PC Input AC 120V/60Hz

Tested for comply with:
FCC Rules and Regulations Part 15 Subpart C: 2012

Test procedure used:
ANSI C63.10:2009

The device described above is tested by AUDIX TECHNOLOGY (SHENZHEN) CO., LTD. to confirm comply with all the FCC Part 15 Subpart C requirements. The test results are contained in this test report and AUDIX TECHNOLOGY (SHENZHEN) CO., LTD. is assumed full responsibility for the accuracy and completeness of these tests. Also, this report shows that the Equipment Under Test (EUT) is to be technically compliant with the FCC and IC requirements. This report contains data that are not covered by the NVLAP accreditation.

This Report is made under FCC Part 2.1075. No modifications were required during testing to bring this product into compliance.

This report applies to above tested sample only. This report shall not be reproduced in part without written approval of AUDIX TECHNOLOGY (SHENZHEN) CO., LTD.

The report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the federal government.

Date of Test : Aug.24~ Sep.03, 2013 Report of date: Jan.02, 2014

Prepared by : Julia Zhu
Julia Zhu / Assistant

Reviewed by :
Sunny Lu / Assistant Manager

AUDIX® 信華科技（深圳）有限公司
Audix Technology (Shenzhen) Co., Ltd.
EMC 部門報告專用章
Stamp only for EMC Dept. Report

Approved & Authorized Signer :
Signature: David Jin 1.2
David Jin / Manager

1. SUMMARY OF STANDARDS AND RESULTS

1.1.Description of Standards and Results

The EUT have been tested according to the applicable standards as referenced below.

EMISSION		
Description of Test Item	**Standard**	**Results**
Power Line Conducted Emission	FCC Part 15: 15.207 ANSI C63.10: 2009	PASS
Radiated Emission	FCC Part 15: 15.209 ANSI C63.10: 2009	PASS
Band Edge Compliance	FCC Part 15: 15.247 ANSI C63.10: 2009	PASS
Conducted spurious emissions	FCC Part 15: 15.247 ANSI C63.10: 2009	PASS
6dB Bandwidth	FCC Part 15: 15.247 ANSI C63.10: 2009	PASS
Peak Output Power	FCC Part 15: 15.247 ANSI C63.10: 2009	PASS
Power Spectral Density	FCC Part 15: 15.247 ANSI C63.10: 2009	PASS
Antenna requirement	FCC Part 15: 15.203	PASS

2. GENERAL INFORMATION

2.1.Description of Device (EUT)

Product Name	:	Ultrathin Wireless Router
Model Number	:	R100
FCC ID	:	2ABCTLINXEER100
Radio	:	IEEE802.11b/g/n
Operation Frequency	:	IEEE 802.11b: 2412MHz—2462MHz IEEE 802.11g: 2412MHz—2462MHz IEEE802.11n HT20: 2412MHz—2462MHz IEEE802.11n HT40: 2422MHz—2452MHz
Modulation Technology	:	IEEE 802.11b: DSSS(CCK,DQPSK,DBPSK) IEEE 802.11g: OFDM(64QAM, 16QAM, QPSK, BPSK) IEEE 802.11n HT20, HT40: OFDM (64QAM, 16QAM, QPSK,BPSK)
Antenna Assembly Gain	:	Multi-layer chip antenna, PK gain 2dBi
USB Cable	:	Shielded, Detachable, 0.34m
Core	:	Manufacture: Ming Magnetic Electronic M/N: MLF-50B
Applicant	:	LINXEE (BEIJING) TECHNOLOGY LTD. 801, 8F, Taipeng Mansion, No.10 Haidian North 2nd Street, Haidian District, Beijing, China.
Manufacturer	:	LONG BEN TECHNOLOGY LIMITED NO.19, Jianshe Road, Shima Village, Tangxia Town, Dongguang City, China.
Date of Test	:	Aug.24~Sep.03, 2013
Date of Receipt	:	Aug.22, 2013
Sample Type	:	Prototype production

2.2.Test Information

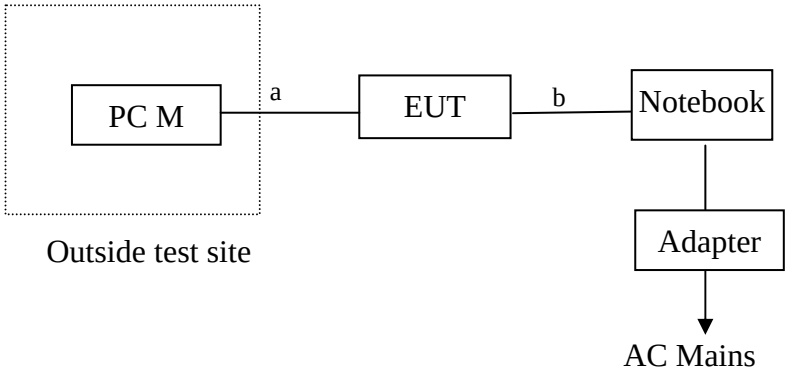
A special test software was used to control EUT work in Continuous TX mode(100% duty cycle), and select test channel, wireless mode and data rate.

Tested mode, channel, and data rate information			
Mode	data rate (Mpbs)(see Note)	Channel	Frequency (MHz)
IEEE 802.11b	11	Low :CH1	2412
	11	Middle: CH6	2437
	11	High: CH11	2462
IEEE 802.11g	54	Low :CH1	2412
	54	Middle: CH6	2437
	54	High: CH11	2462
IEEE 802.11n HT20	6.5	Low :CH1	2412
	6.5	Middle: CH6	2437
	6.5	High: CH11	2462
IEEE 802.11n HT40	13.5	Low :CH1	2422
	13.5	Middle: CH4	2437
	13.5	High: CH7	2452
Note1: According exploratory test, EUT will have maximum PK output power in those data rate, so those data rate were used for all test.			

2.3.Tested Supporting System Details

No.	Description	ACS No.	Manufacturer	Model	Serial Number	Approved type
1	Personal Computer	Test PC M	DELL	Studio 540	224XK2X	☑FCC DoC ☑BSMI ID:R33002
		Power Cord: Unshielded, Detachable, 1.8m				
2	Monitor	ACS-EMC-LM03R	DELL	1907FPt	CN-009759-71618-6CG-BDWV	☑FCC DoC ☑BSMI ID: R3A002
		Power Cord: Unshielded, Detachable, 1.8m VGA Cable: Shielded, Detachable, 2.0m (with two cores)				
3	USB Keyboard	ACS-EMC- K03R	DELL	SK-8115	CN-ODJ313-71616-711-04WJ	☑ FCC DoC ☑BSMI ID: T3A002
		Power Cord: shielded, Undetachable, 2.0m				
4	USB Mouse	ACS-EMC-M03R	DELL	M056UO	512023253	☑ FCC DoC ☑BSMI ID: R41108
		Power Cord: shielded, Undetachable, 1.8m				
5	Notebook	Test PC R	DELL	D430	PP09S	☑FCC DoC
		Power Adapter : Manufacturer: DELL, M/N: LA65NS1-00 Cable: Unshielded, Detachabled, 4.0m (Bond one ferrite core)				

2.4. Block Diagram of Test Setup



a: WAN port
b : USB Cable

(EUT: Ultrathin Wireless Router)

2.5. Test Facility

Site Description

Name of Firm : Audix Technology (Shenzhen) Co., Ltd.
No. 6, Ke Feng Rd., 52 Block, Shenzhen Science & Industrial Park,Nantou, Shenzhen, Guangdong, China

3m Anechoic Chamber : Certificated by FCC, USA
Registration Number: 90454
Valid Date: Feb.22, 2015

3m & 10m Anechoic Chamber : Certificated by FCC, USA
Registration Number: 794232
Valid Date: Oct.31, 2015

EMC Lab. : Certificated by Industry Canada
Registration Number: IC 5183A-1
Valid Date: Jun.13, 2014

: Certificated by DAkkS, Germany
Registration No: D-PL-12151-01-01
Valid Date: Feb.01, 2014

: Accredited by NVLAP, USA
NVLAP Code: 200372-0
Valid Date: Mar.31, 2014

2.6. Measurement Uncertainty (95% confidence levels, k=2)

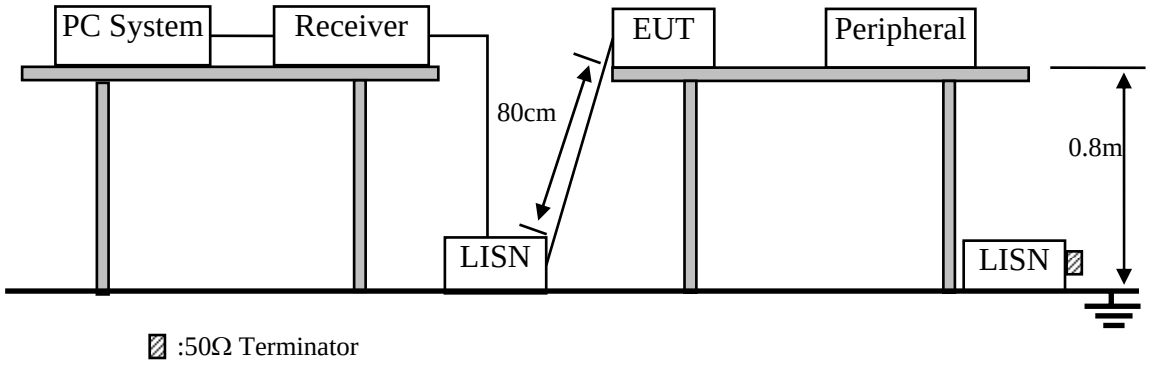
Test Item	Uncertainty
Uncertainty for Conduction emission test in No. 1 Conduction	3.1 dB (150KHz to 30MHz)
Uncertainty for Radiation Emission test in 3m chamber	3.22 dB(30~200MHz, Polarize: H)
	3.23 dB(30~200MHz, Polarize: V)
	3.49 dB(200M~1GHz, Polarize: H)
	3.39 dB(200M~1GHz, Polarize: V)
Uncertainty for Radiation Emission test in 3m chamber (1GHz-18GHz)	4.97dB (1~6GHz, Distance: 3m)
	4.99 dB (6~18GHz, Distance: 3m)
Uncertainty for Radiated Spurious Emission test in RF chamber	3.57 dB
Uncertainty for Conduction Spurious emission test	2.00 dB
Uncertainty for Output power test	0.73 dB
Uncertainty for Power density test	2.00 dB
Uncertainty for Frequency range test	$7x10^{-8}$
Uncertainty for Bandwidth test	83 kHz
Uncertainty for DC power test	0.038 %
Uncertainty for test site temperature and humidity	0.6℃
	3%

3. POWER LINE CONDUCTED EMISSION TEST

3.1. Test Equipments

Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
1.	Test Receiver	Rohde & Schwarz	ESHS10	838693/001	Oct.31, 12	1 Year
2.	L.I.S.N.#1	Rohde & Schwarz	ESH2-Z5	834066/011	Oct.31, 12	1 Year
3.	L.I.S.N.#3	Kyoritsu	KNW-242C	8-1920-1	May.08, 13	1 Year
4.	Terminator	Hubersuhner	50Ω	No. 1	May.08, 13	1 Year
5.	Terminator	Hubersuhner	50Ω	No. 2	May.08, 13	1 Year
6.	RF Cable	Fujikura	3D-2W	No.1	May.08, 13	1Year
7.	Coaxial Switch	Anritsu	MP59B	M50564	May.08, 13	1 Year
8.	Pulse Limiter	Rohde & Schwarz	ESH3-Z2	100341	May.08, 13	1 Year

3.2. Block Diagram of Test Setup



3.3. Power Line Conducted Emission Test Limits

Frequency	Maximum RF Line Voltage	
	Quasi-Peak Level dB(μV)	Average Level dB(μV)
150kHz ~ 500kHz	66 ~ 56*	56 ~ 46*
500kHz ~ 5MHz	56	46
5MHz ~ 30MHz	60	50

Notes: 1. * Decreasing linearly with logarithm of frequency.
2. The lower limit shall apply at the transition frequencies.

3.4. Configuration of EUT on Test

The following equipment are installed on Power Line Conducted Emission Test to meet the commission requirement and operating regulations in a manner which tends to maximize its emission characteristics in a normal application.

3.4.1. Ultrathin Wireless Router (EUT)

Model Number : R100
Serial Number : N/A

3.4.2. Support Equipment: As Tested Supporting System Details, in Section 2.2.

3.5. Operating Condition of EUT

3.5.1. Setup the EUT and simulator as shown as Section 3.2.

3.5.2. Turned on the power of all equipment.

3.5.3. PC run test software to control EUT work in Tx mode.

3.6. Test Procedure

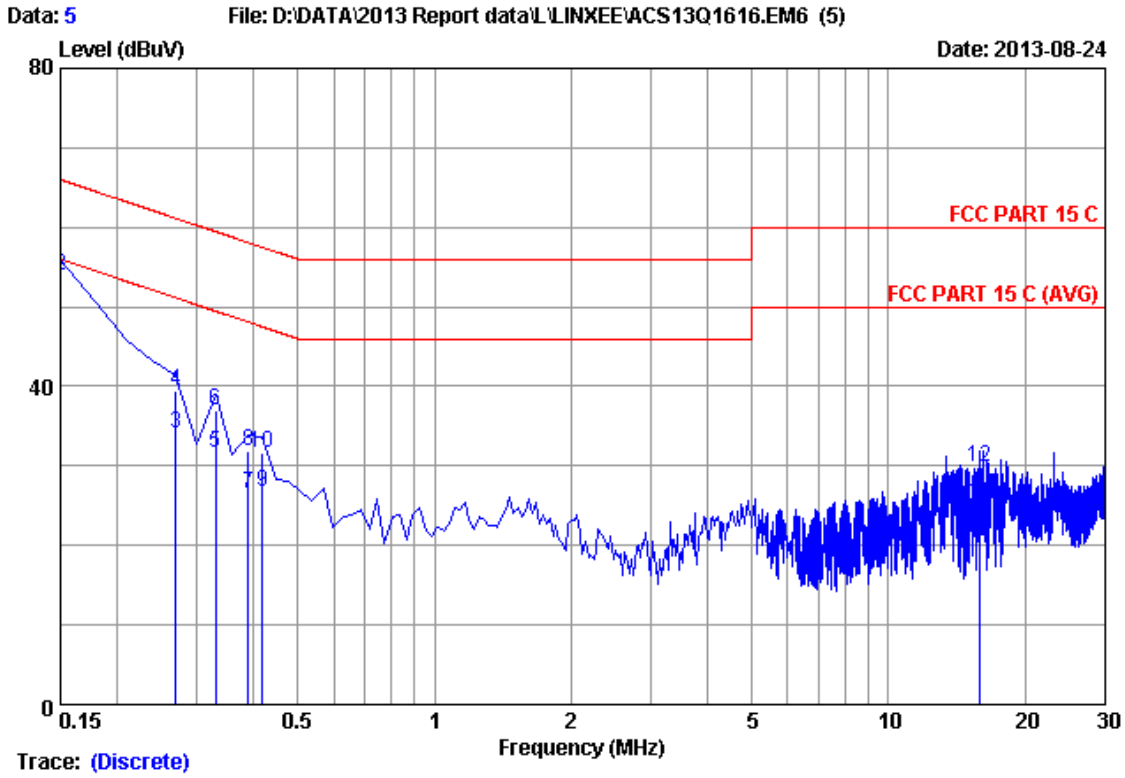
The EUT was placed on a non-metallic table, 80cm above the ground plane. The EUT Power connected to the power mains through a line impedance stabilization network (L.I.S.N. 1#). This provides a 50 ohm coupling impedance for the EUT (Please refer the block diagram of the test setup and photographs). The AC line are checked to find out the maximum conducted emission. In order to find the maximum emission levels, the relative positions of equipment and all of the interface cables shall be changed according to ANSI C63.10: 2009 on Conducted Emission Test.

The bandwidth of test receiver (R & S ESHS10) is set at 9kHz.

The frequency range from 150kHz to 30MHz is checked.

3.7. Power Line Conducted Emission Test Results

PASS. **(**All emissions not reported below are too low against the prescribed limits.)

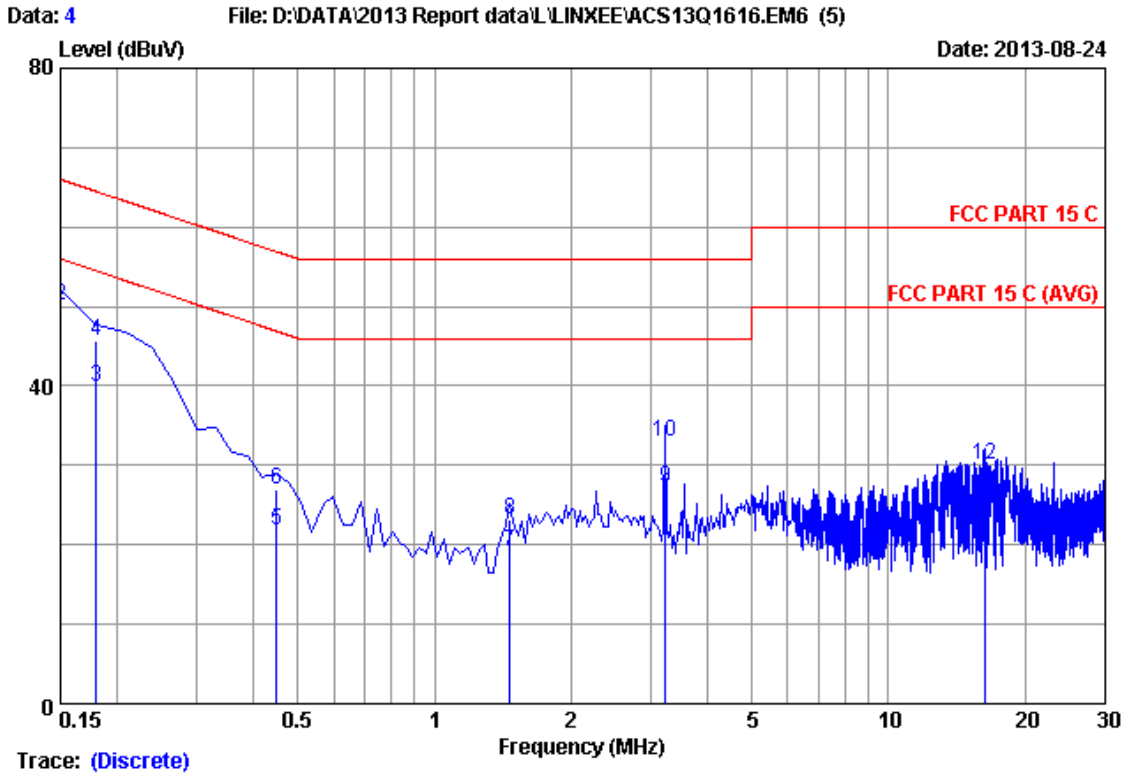


Trace: (Discrete)

Site no :1#conduction
Data No :5
Dis./Ant. :** 2012 ESH2-Z5 LINE
Limit :FCC PART 15 C
Env./Ins. :25.8*C/65%
Engineer :Leo-Li
EUT :Ultrathin Wireless Router
Power Rating :DC 5V From PC Input AC 120V/60Hz
Test Mode :Tx Mode
M/N:R100

No	Freq (MHz)	LISN Factor (dB)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV)	Limits (dBuV)	Margin (dB)	Remark
1	0.15000	0.19	0.01	48.62	48.82	56.00	7.18	Average
2	0.15000	0.19	0.01	53.72	53.92	66.00	12.08	QP
3	0.26940	0.19	0.01	33.87	34.07	51.14	17.07	Average
4	0.26940	0.19	0.01	39.15	39.35	61.14	21.79	QP
5	0.32910	0.19	0.01	31.46	31.66	49.47	17.81	Average
6	0.32910	0.19	0.01	36.79	36.99	59.47	22.48	QP
7	0.38880	0.19	0.02	26.36	26.57	48.09	21.52	Average
8	0.38880	0.19	0.02	31.70	31.91	58.09	26.18	QP
9	0.41865	0.19	0.02	26.49	26.70	47.47	20.77	Average
10	0.41865	0.19	0.02	31.38	31.59	57.47	25.88	QP
11	15.911	0.82	0.12	24.15	25.09	50.00	24.91	Average
12	15.911	0.82	0.12	28.99	29.93	60.00	30.07	QP

Remarks: 1.Emission Level=LISN Factor+Cable Loss+Reading.
2.If the average limit is met when useing a quasi-peak detector.
the EUT shall be deemed to meet both limits and measurement
with average detector is unnecessary.



Site no :1#conduction Data No :4
Dis./Ant. :** 2012 ESH2-Z5 NEUTRAL
Limit :FCC PART 15 C
Env./Ins. :25.8*C/65% Engineer :Leo-Li
EUT :Ultrathin Wireless Router
Power Rating :DC 5V From PC Input AC 120V/60Hz
Test Mode :Tx Mode
M/N:R100

No	Freq (MHz)	LISN Factor (dB)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV)	Limits (dBuV)	Margin (dB)	Remark
1	0.15000	0.21	0.01	44.24	44.46	56.00	11.54	Average
2	0.15000	0.21	0.01	49.97	50.19	66.00	15.81	QP
3	0.17985	0.21	0.01	39.78	40.00	54.49	14.49	Average
4	0.17985	0.21	0.01	45.57	45.79	64.49	18.70	QP
5	0.44850	0.23	0.02	21.49	21.74	46.90	25.16	Average
6	0.44850	0.23	0.02	26.77	27.02	56.90	29.88	QP
7	1.463	0.26	0.03	18.97	19.26	46.00	26.74	Average
8	1.463	0.26	0.03	22.96	23.25	56.00	32.75	QP
9	3.225	0.31	0.05	26.81	27.17	46.00	18.83	Average
10	3.225	0.31	0.05	32.61	32.97	56.00	23.03	QP
11	16.239	0.74	0.12	23.65	24.51	50.00	25.49	Average
12	16.239	0.74	0.12	29.21	30.07	60.00	29.93	QP

Remarks: 1.Emission Level=LISN Factor+Cable Loss+Reading.
2.If the average limit is met when useing a quasi-peak detector.
the EUT shall be deemed to meet both limits and measurement
with average detector is unnecessary.

4. RADIATED EMISSION TEST

4.1.Test Equipment

4.1.1. For frequency range 30MHz~1000MHz (At Anechoic Chamber)

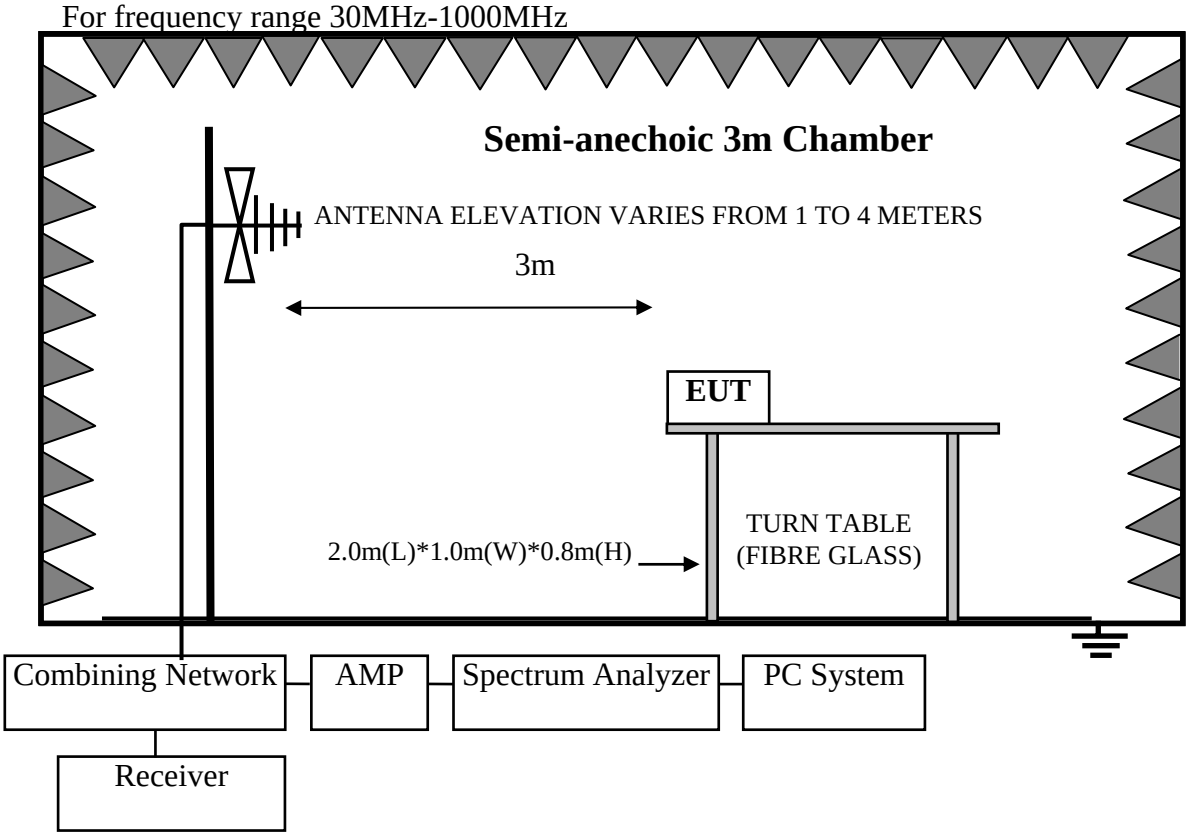
Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
1	3#Chamber	AUDIX	N/A	N/A	Nov.24, 12	1 Year
2	EMI Spectrum	Agilent	E4407B	MY41440292	May.08, 13	1 Year
3	Test Receiver	Rohde & Schwarz	ESVS10	834468/011	May.08, 13	1 Year
4	Amplifier	HP	8447D	2648A04738	May.08, 13	1 Year
5	Bilog Antenna	TESEQ	CBL6112D	35375	May.30, 13	1 Year
6	RF Cable	MIYAZAKI	CFD400-NL	3# Chamber No.1	May.08, 13	1 Year
7	Coaxial Switch	Anritsu	MP59B	M74389	May.08, 13	1 Year

4.1.2. For frequency range 1GHz~25GHz (At Anechoic Chamber)

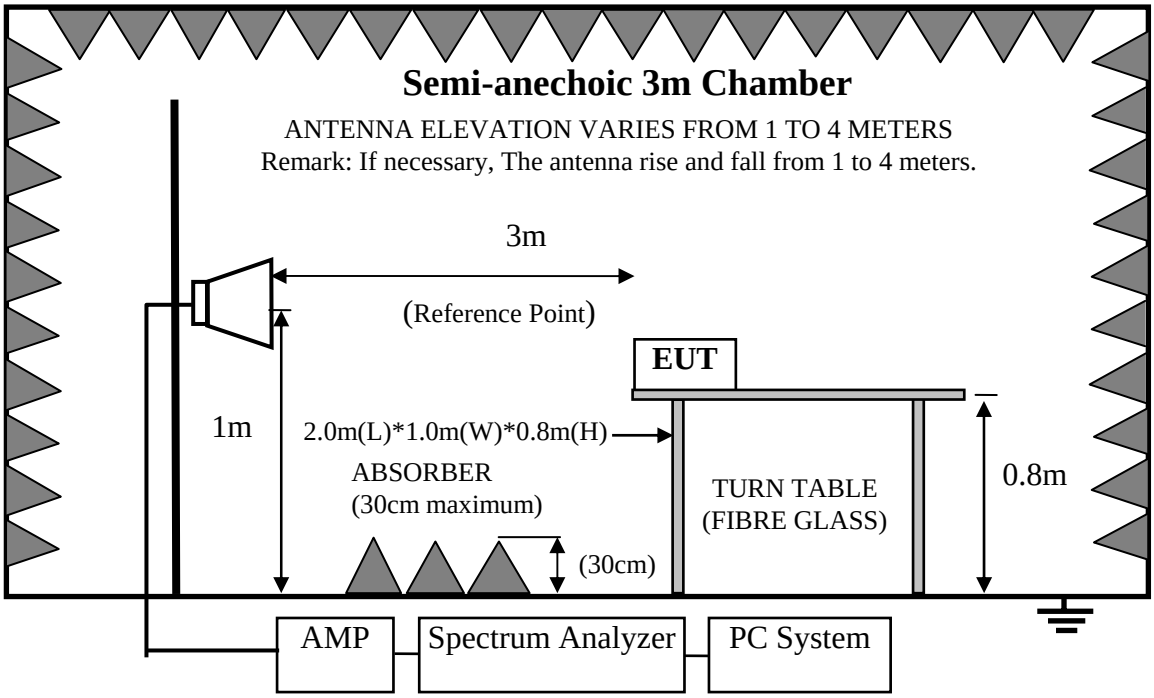
Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
1	Spectrum Analyzer	Agilent	E4407B	MY41440292	May.08, 13	1 Year
2	Horn Antenna	EMCO	3115	9510-4580	May.28, 13	1 Year
3	Amplifier	Agilent	8449B	3008A00863	May.08, 13	1 Year
4	RF Cable	Hubersuhner	SUCOFLEX106	77980/6	May.08, 13	1 Year
5	RF Cable	Hubersuhner	SUCOFLEX106	77977/6	May.08, 13	1 Year
6	Horn Antenna	EMCO	3116	00060089	Aug.28, 13	1 Year

4.2.Block Diagram of Test Setup

For frequency range 30MHz-1000MHz



For frequency range 1GHz-25GHz



4.3.Radiated Emission Limit

4.3.1. 15.209 limits

FREQUENCY MHz	DISTANCE Meters	FIELD STRENGTHS LIMIT	
		μV/m	dB(μV)/m
30 ~ 88	3	100	40.0
88 ~ 216	3	150	43.5
216 ~ 960	3	200	46.0
960 ~ 1000	3	500	54.0
Above 1000	3	74.0 dB(μV)/m (Peak) 54.0 dB(μV)/m (Average)	

Remark： (1) Emission level dBμV = 20 log Emission level μV/m

(2) The smaller limit shall apply at the cross point between two frequency bands.

(3) Distance is the distance in meters between the measuring instrument, antenna and the closest point of any part of the device or system.

4.3.2. 15.205 Restricted bands of operation

MHz	MHz	MHz	GHz
0.090 - 0.110	16.42 - 16.423	399.9 - 410	4.5 - 5.15
[1]0.495 - 0.505	16.69475 - 16.69525	608 - 614	5.35 - 5.46
2.1735 - 2.1905	16.80425 - 16.80475	960 - 1240	7.25 - 7.75
4.125 - 4.128	25.5 - 25.67	1300 - 1427	8.025 - 8.5
4.17725 - 4.17775	37.5 - 38.25	1435 - 1626.5	9.0 - 9.2
4.20725 - 4.20775	73 - 74.6	1645.5 - 1646.5	9.3 - 9.5
6.215 - 6.218	74.8 - 75.2	1660 - 1710	10.6 - 12.7
6.26775 - 6.26825	108 - 121.94	1718.8 - 1722.2	13.25 - 13.4
6.31175 - 6.31225	123 - 138	2200 - 2300	14.47 - 14.5
8.291 - 8.294	149.9 - 150.05	2310 - 2390	15.35 - 16.2
8.362 - 8.366	156.52475 - 156.52525	2483.5 - 2500	17.7 - 21.4
8.37625 - 8.38675	156.7 - 156.9	2690 - 2900	22.01 - 23.12
8.41425 - 8.41475	162.0125 - 167.17	3260 - 3267	23.6 - 24.0
12.29 - 12.293	167.72 - 173.2	3332 - 3339	31.2 - 31.8
12.51975 - 12.52025	240 - 285	3345.8 - 3358	36.43 - 36.5
12.57675 - 12.57725	322 - 335.4	3600 - 4400	([2])

All the emissions appearing within 15.205 restricted frequency bands shall not exceed the limits shown in 15.209, all the other emissions shall be at least 20dB below the fundamental emissions, or comply with 15.209 limits.

4.4. EUT Configuration on Test

The configurations of EUT are listed in Section 3.4.

4.5. Operating Condition of EUT

Same as Conducted Emission test that is listed in Section 3.5. except the test set up replaced by Section 4.2.

4.6. Test Procedure

EUT and its simulators are placed on a turn table, which is 0.8 meter high above ground. The turn table can rotate 360 degrees to determine the position of the maximum emission level. Power on the EUT and let it working in test mode, then test it. EUT is set 3 meters away from the receiving antenna, which is mounted on a antenna tower. The antenna can be moved up and down between 1 meter and 4 meters to find out the maximum emission level. Broadband antenna (calibrated bilog antenna) is used as receiving antenna. Both horizontal and vertical polarization of the antenna are set on test.

The bandwidth of the EMI test receiver (R&S ESVS10) is set at 120kHz for frequency range from 30MHz to 1000 MHz.

The bandwidth of the Spectrum's VBW is set at 3MHz and RBW is set at 1MHz for peak emissions measurement above 1GHz and 1MHz RBW, 10Hz VBW for average emissions measure above 1GHz

The frequency range from 30MHz to 10^{th} harmonic (25GHz) are checked. and no any emissions were found from 18GHz to 25 GHz, So the radiated emissions from 18GHz to 25GHz were not record.

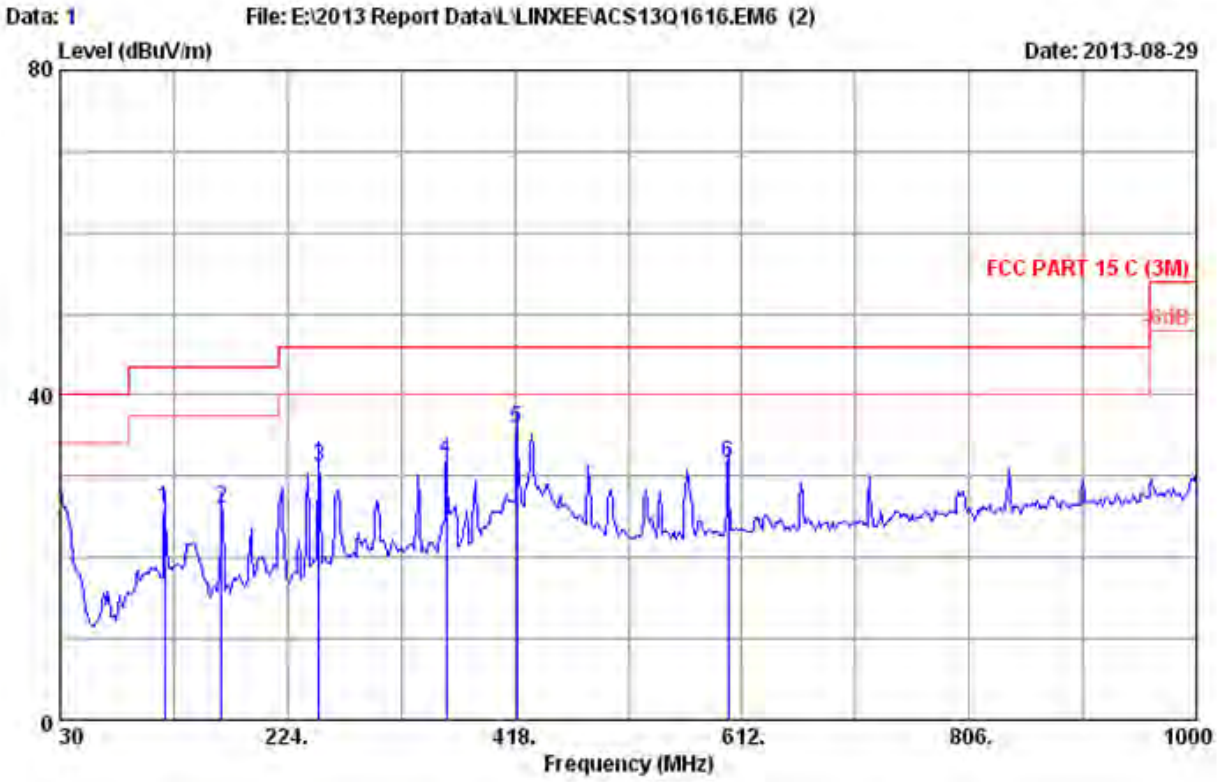
4.7.Radiated Emission Test Results

PASS.

All the emissions from 30MHz to 25 GHz were comply with 15.209 limits.

Note: For emissions above 1GHz, if peak level comply with average limit, then the average level is deemed to comply with average limit.

Frequency: 30MHz~1GHz

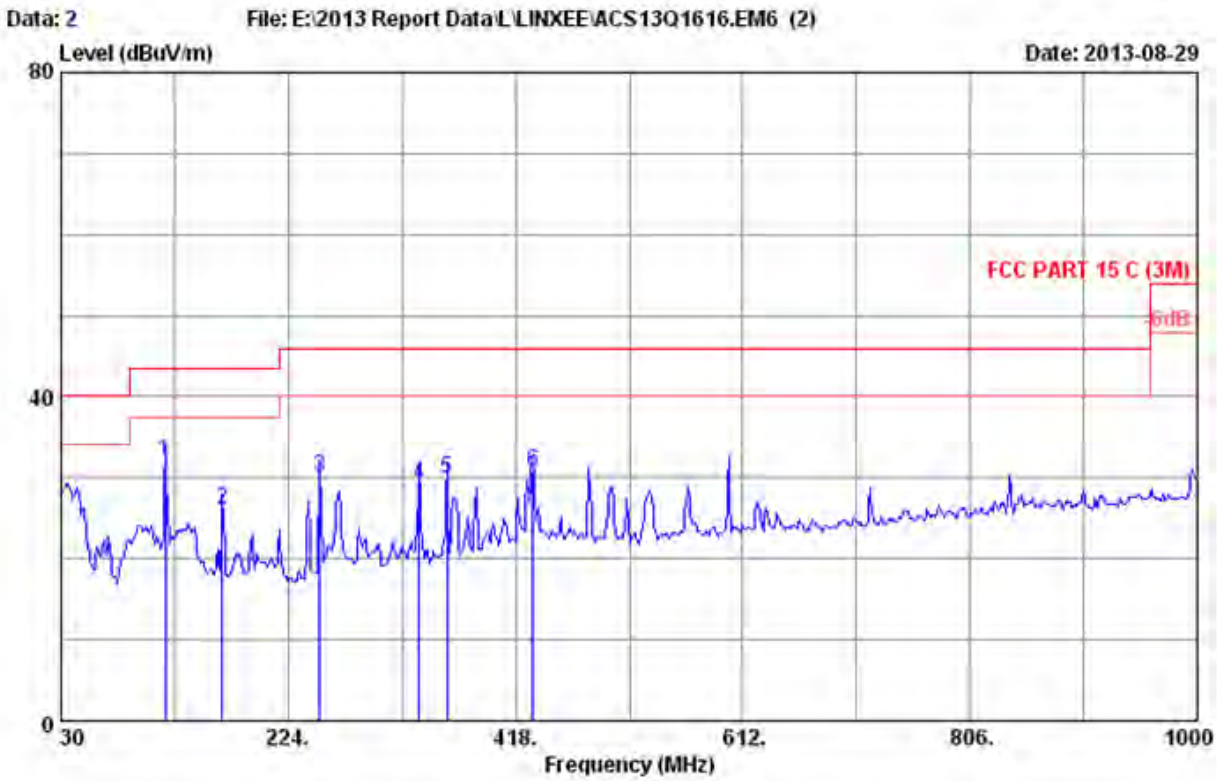


Site no. : 3m Chamber
Dis. / Ant. : 3m 2013 CBL6112D 35375
Limit : FCC PART 15 C (3M)
Env. / Ins. : 24*C/65%
EUT : Ultrathin Wireless Router
Power rating : DC 5V From PC Input AC 120V/60Hz
Test Mode : Tx Mode
M/N:R100

Data no. : 1
Ant. pol. : HORIZONTAL
Engineer : Leo-Li

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	119.246	12.76	1.48	11.84	26.08	43.50	17.42	QP
2	167.747	10.41	1.67	13.92	26.00	43.50	17.50	QP
3	251.166	13.16	1.98	16.16	31.30	46.00	14.70	QP
4	359.805	15.70	2.34	14.14	32.18	46.00	13.82	QP
5	419.947	17.40	2.52	15.89	35.81	46.00	10.19	QP
6	600.367	19.20	3.04	9.43	31.67	46.00	14.33	QP

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

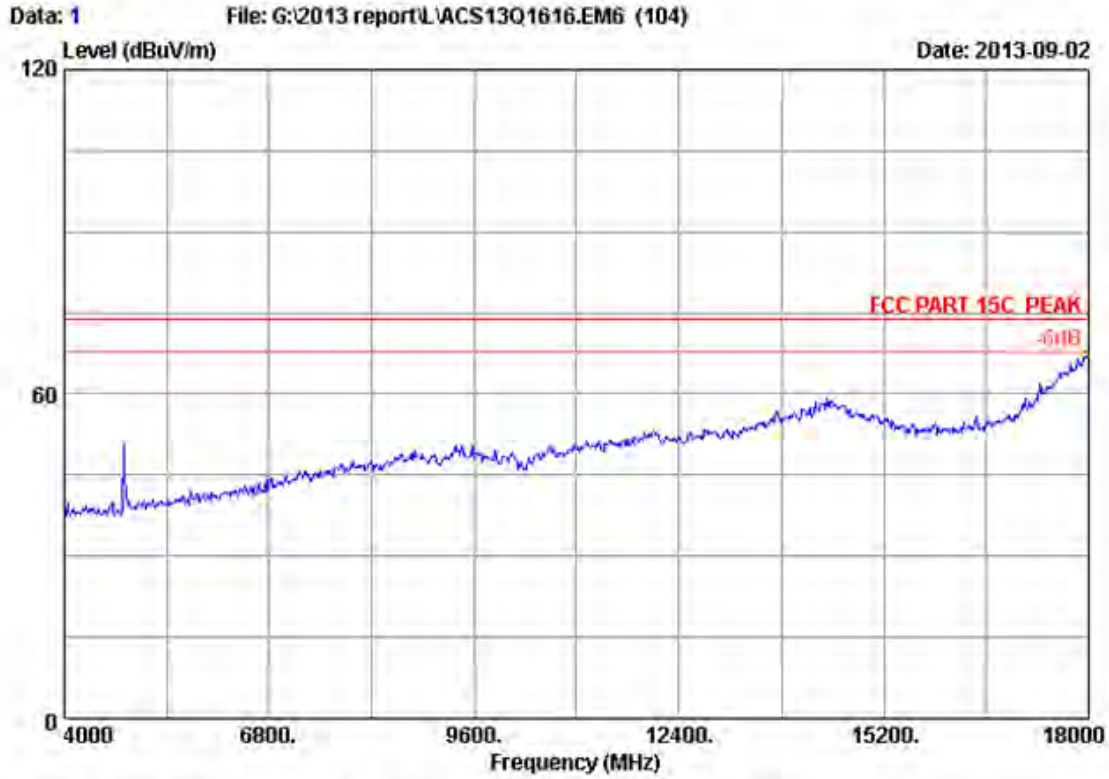


Site no. : 3m Chamber Data no. : 2
Dis. / Ant. : 3m 2013 CBL6112D 35375 Ant. pol. : VERTICAL
Limit : FCC PART 15 C (3M)
Env. / Ins. : 24*C/65% Engineer : Leo-Li
EUT : Ultrathin Wireless Router
Power rating : DC 5V From PC Input AC 120V/60Hz
Test Mode : Tx Mode
M/N:R100

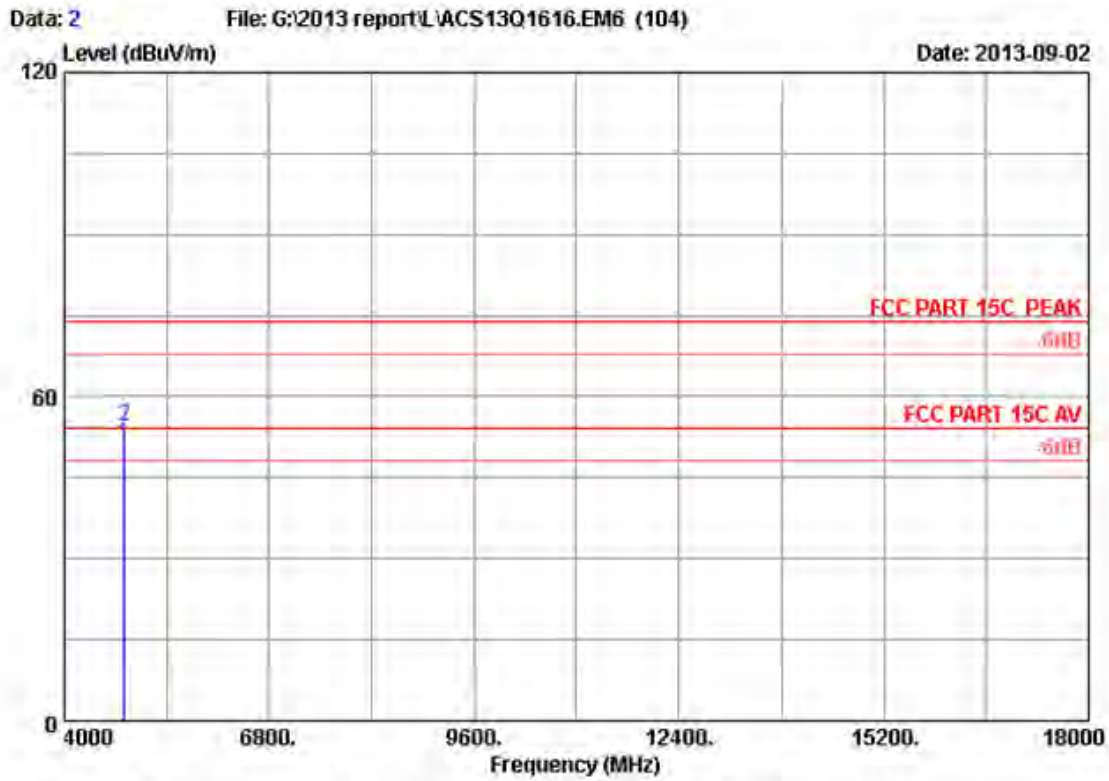
No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	119.242	12.76	1.48	17.83	32.07	43.50	11.43	QP
2	167.746	10.41	1.67	14.09	26.17	43.50	17.33	QP
3	251.164	13.16	1.98	15.04	30.18	46.00	15.82	QP
4	335.556	14.82	2.27	12.18	29.27	46.00	16.73	QP
5	359.823	15.70	2.34	11.72	29.76	46.00	16.24	QP
6	432.556	17.05	2.55	11.14	30.74	46.00	15.26	QP

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

Frequency: 1GHz~18GHz



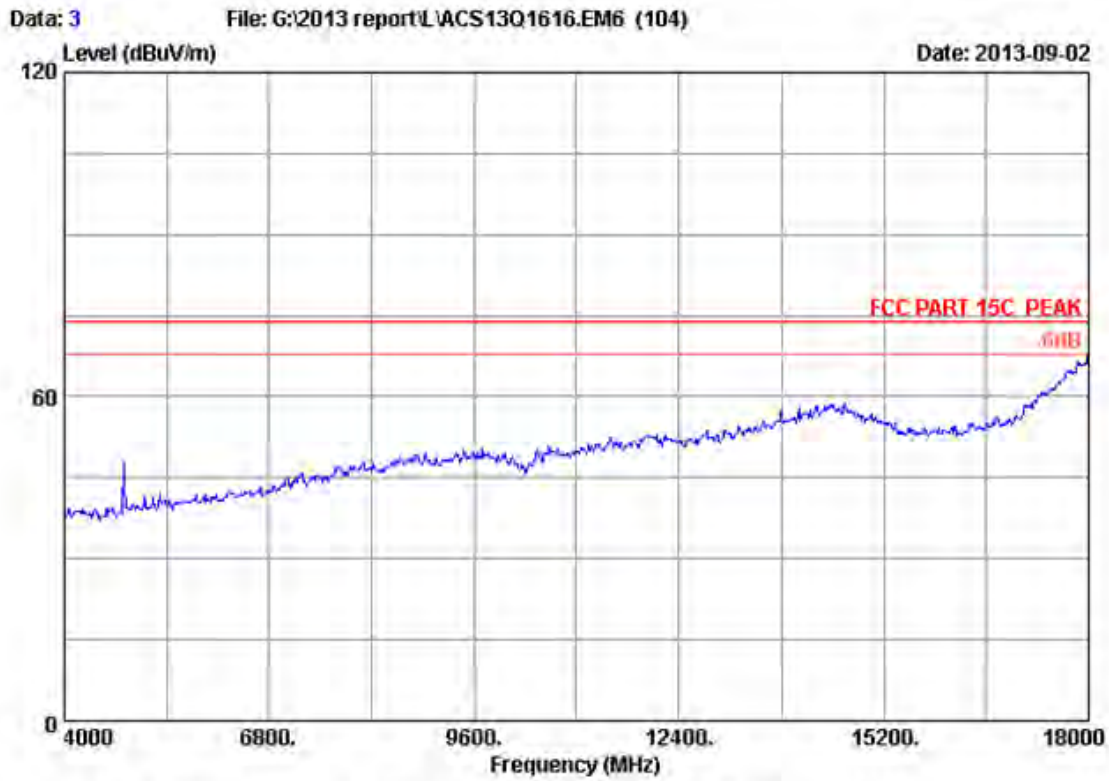
Site no.	: 3m Chamber	Data no.	: 1
Dis. / Ant.	: 3m 2012 3115 (4580)	Ant. pol.	: VERTICAL
Limit	: FCC PART 15C PEAK		
Env. / Ins.	: 23*C/54%	Engineer	: Leo-Li
EUT	: Ultrathin Wireless Router		
Power supply	: DC 5V From PC Input AC 120V/60Hz		
Test mode	: IEEE802.11b 2412MHz Tx Mode		
	R100		



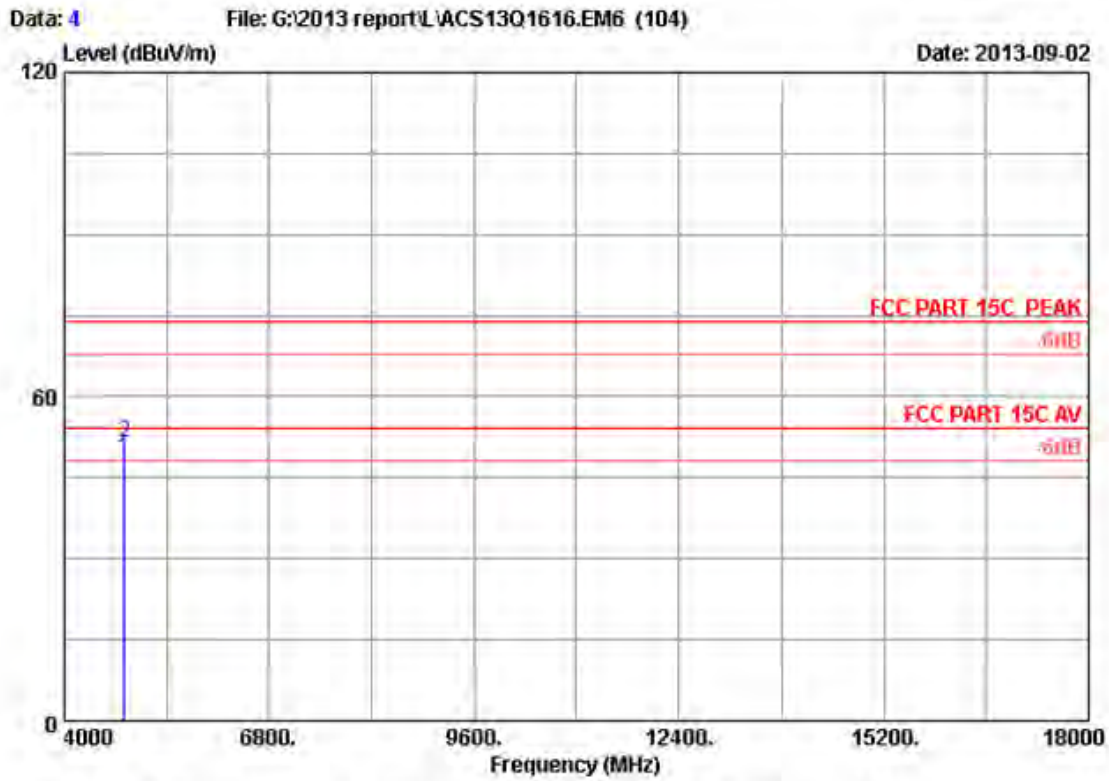
Site no. : 3m Chamber Data no. : 2
Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : VERTICAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23°C/54% Engineer : Leo-Li
EUT : Ultrathin Wireless Router
Power supply : DC 5V From PC Input AC 120V/60Hz
Test mode : IEEE802.11b 2412MHz Tx Mode
R100

	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	4824.000	32.51	8.58	35.70	45.86	51.25	54.00	2.75	Average
2	4824.000	32.51	8.58	35.70	49.12	54.51	74.00	19.49	Peak

Remarks:
1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.



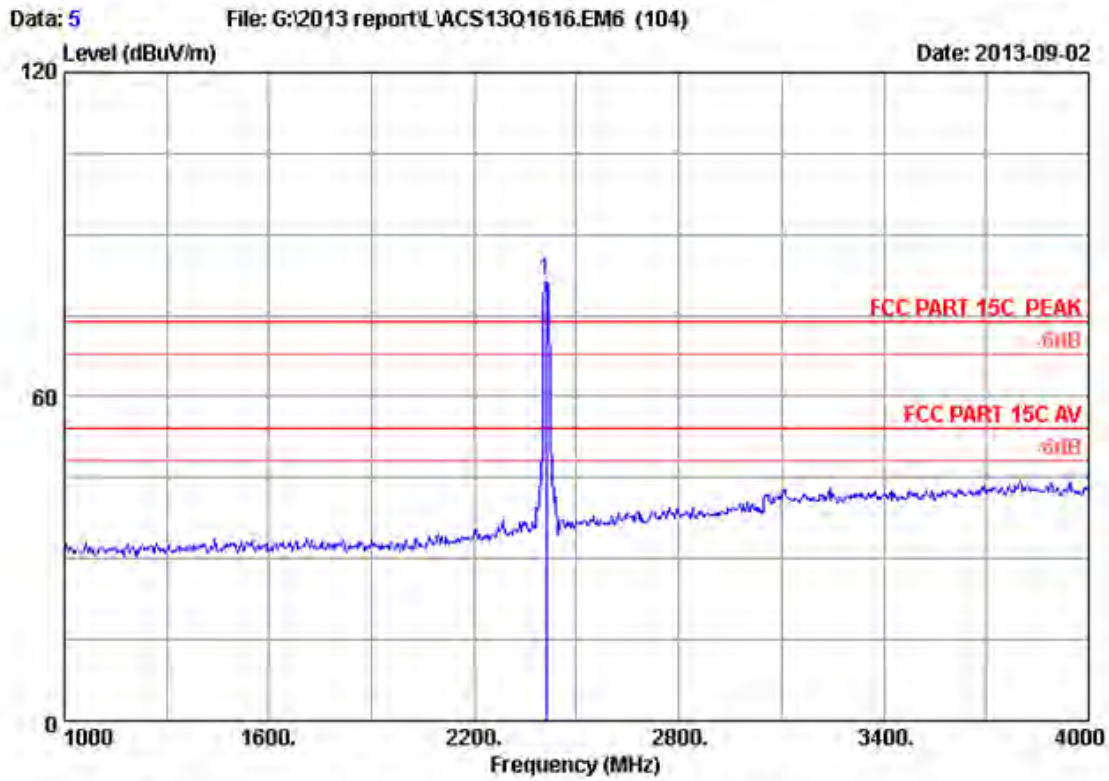
Site no.	: 3m Chamber	Data no.	: 3
Dis. / Ant.	: 3m 2012 3115 (4580)	Ant. pol.	: HORIZONTAL
Limit	: FCC PART 15C PEAK		
Env. / Ins.	: 23*C/54%	Engineer	: Leo-Li
EUT	: Ultrathin Wireless Router		
Power supply	: DC 5V From PC Input AC 120V/60Hz		
Test mode	: IEEE802.11b 2412MHz Tx Mode R100		



Site no. : 3m Chamber Data no. : 4
Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : HORIZONTAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23°C/54% Engineer : Leo-Li
EUT : Ultrathin Wireless Router
Power supply : DC 5V From PC Input AC 120V/60Hz
Test mode : IEEE802.11b 2412MHz Tx Mode
R100

	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	4824.000	32.51	8.58	35.70	43.18	48.57	54.00	5.43	Average
2	4824.000	32.51	8.58	35.70	46.23	51.62	74.00	22.38	Peak

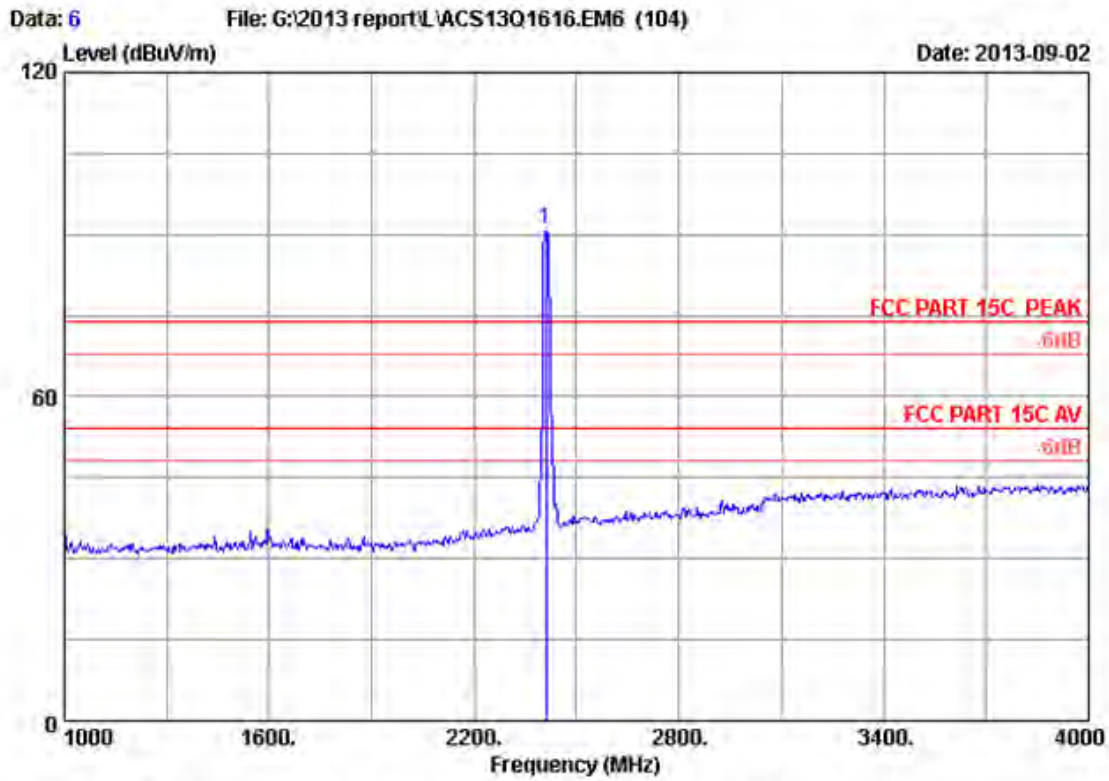
Remarks:
1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 5
Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : HORIZONTAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23*C/54% Engineer : Leo-Li
EUT : Ultrathin Wireless Router
Power supply : DC 5V From PC Input AC 120V/60Hz
Test mode : IEEE802.11b 2412MHz Tx Mode
R100

	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2412.000	26.84	5.81	35.70	84.62	81.57	74.00	-7.57	Peak

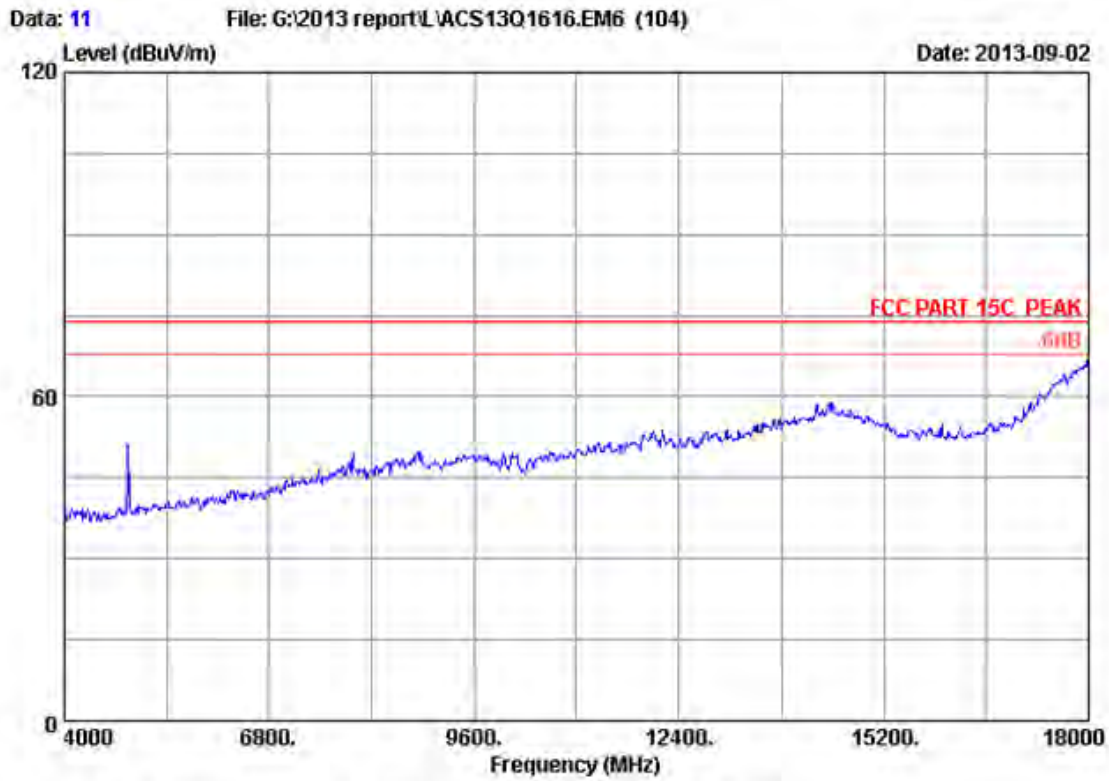
Remarks:
1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.



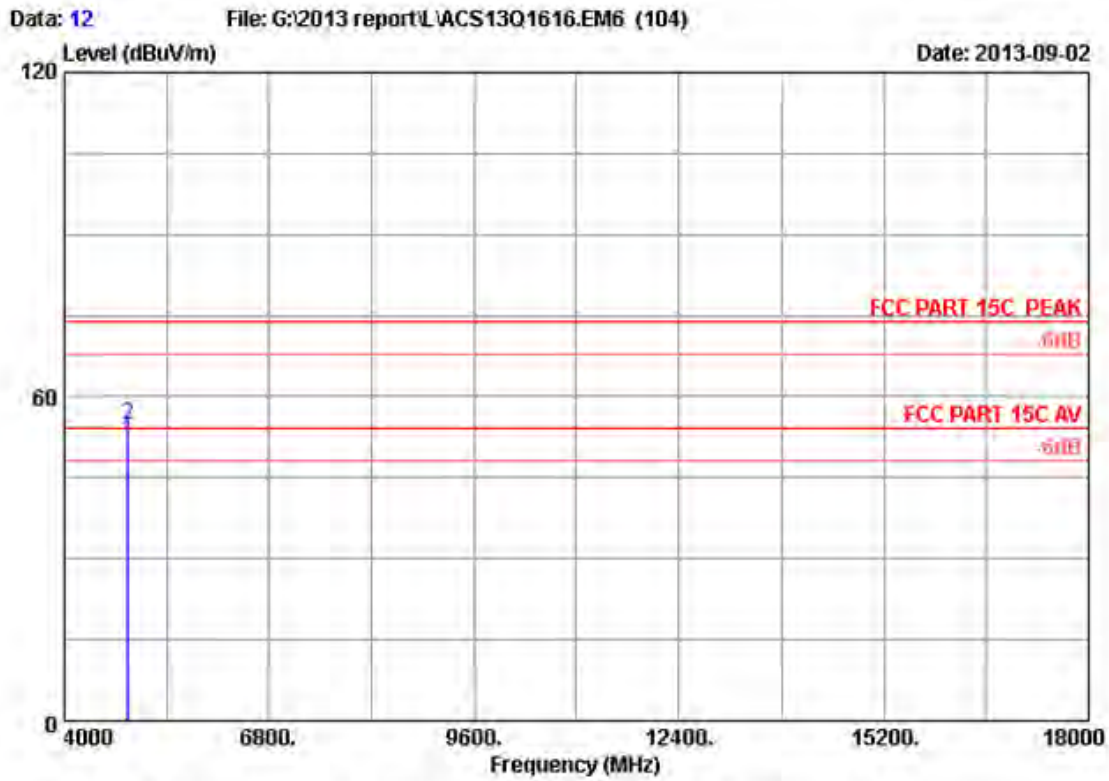
Site no. : 3m Chamber Data no. : 6
Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : VERTICAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23*C/54% Engineer : Leo-Li
EUT : Ultrathin Wireless Router
Power supply : DC 5V From PC Input AC 120V/60Hz
Test mode : IEEE802.11b 2412MHz Tx Mode
R100

	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2412.000	26.84	5.81	35.70	93.94	90.89	74.00	-16.89	Peak

Remarks:
1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.



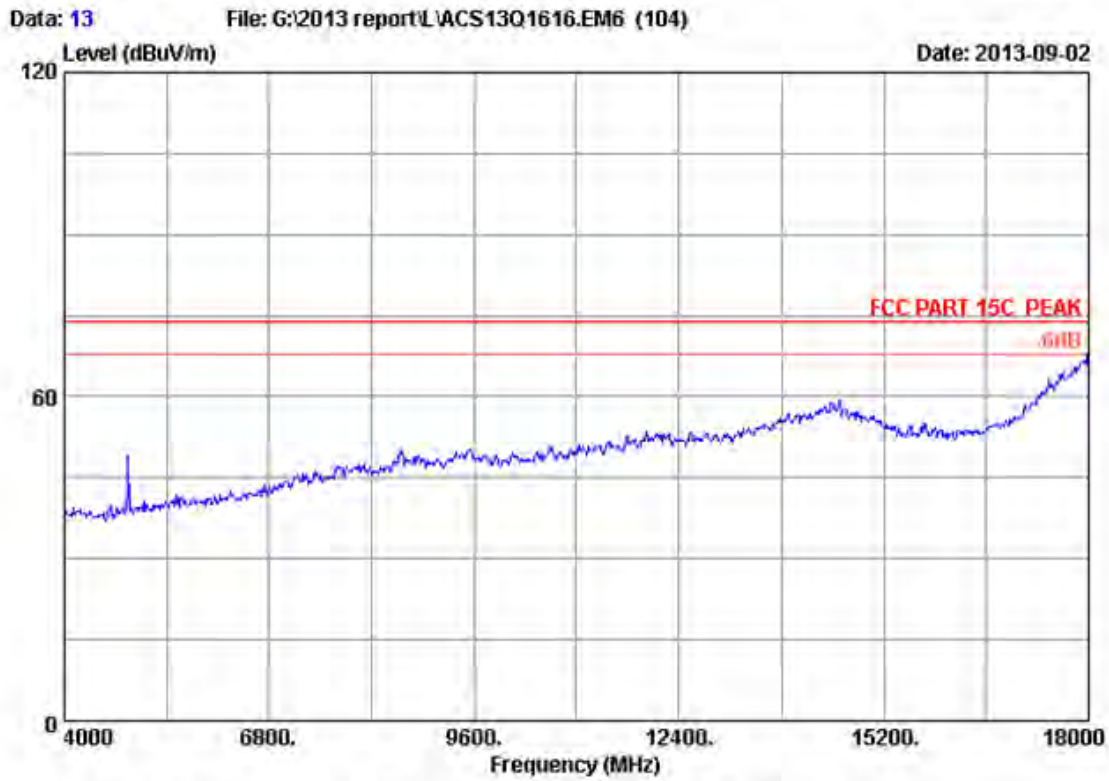
Site no.	: 3m Chamber	Data no.	: 11
Dis. / Ant.	: 3m 2012 3115 (4580)	Ant. pol.	: HORIZONTAL
Limit	: FCC PART 15C PEAK		
Env. / Ins.	: 23*C/54%	Engineer	: Leo-Li
EUT	: Ultrathin Wireless Router		
Power supply	: DC 5V From PC Input AC 120V/60Hz		
Test mode	: IEEE802.11b 2437MHz Tx Mode R100		



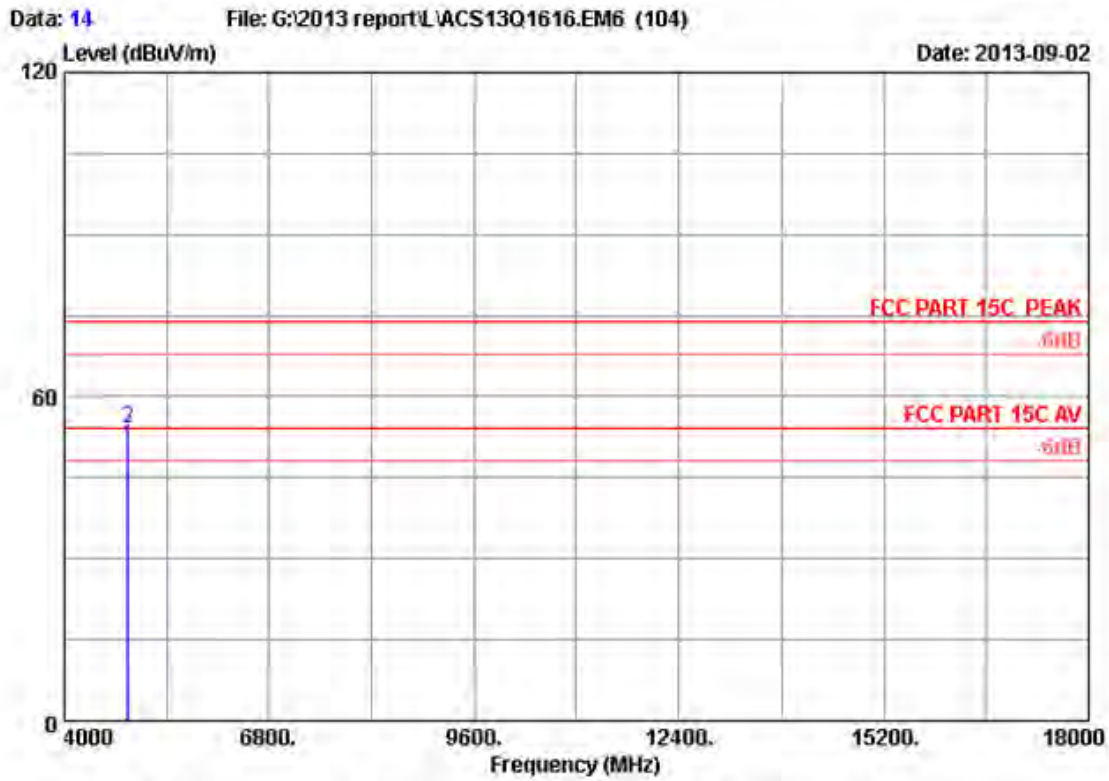
Site no. : 3m Chamber Data no. : 12
Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : HORIZONTAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23*C/54% Engineer : Leo-Li
EUT : Ultrathin Wireless Router
Power supply : DC 5V From PC Input AC 120V/60Hz
Test mode : IEEE802.11b 2437MHz Tx Mode
R100

	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	4874.000	32.62	8.63	35.70	46.41	51.96	54.00	2.04	Average
2	4874.000	32.62	8.63	35.70	49.39	54.94	74.00	19.06	Peak

Remarks:
1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.



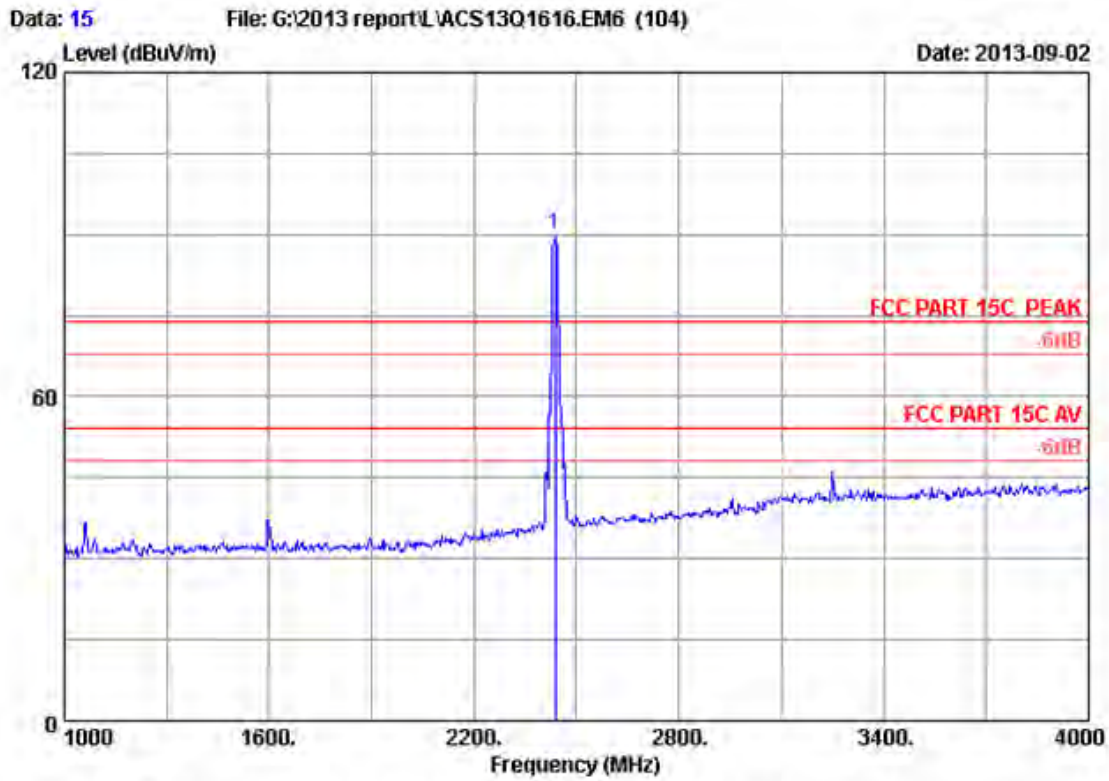
Site no.	: 3m Chamber	Data no.	: 13
Dis. / Ant.	: 3m 2012 3115 (4580)	Ant. pol.	: VERTICAL
Limit	: FCC PART 15C PEAK		
Env. / Ins.	: 23*C/54%	Engineer	: Leo-Li
EUT	: Ultrathin Wireless Router		
Power supply	: DC 5V From PC Input AC 120V/60Hz		
Test mode	: IEEE802.11b 2437MHz Tx Mode R100		



Site no. : 3m Chamber Data no. : 14
Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : VERTICAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23*C/54% Engineer : Leo-Li
EUT : Ultrathin Wireless Router
Power supply : DC 5V From PC Input AC 120V/60Hz
Test mode : IEEE802.11b 2437MHz Tx Mode
R100

	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	4874.000	32.62	8.63	35.70	45.21	50.76	54.00	3.24	Average
2	4874.000	32.62	8.63	35.70	48.58	54.13	74.00	19.87	Peak

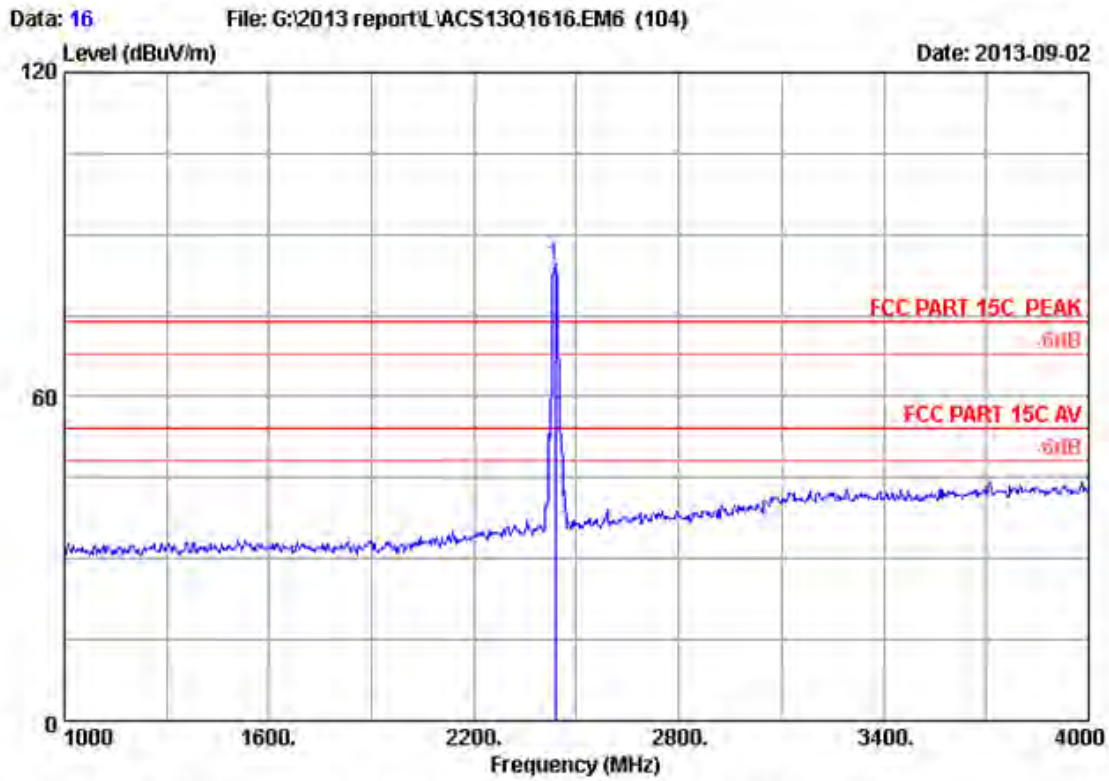
Remarks:
1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 15
Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : VERTICAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23*C/54% Engineer : Leo-Li
EUT : Ultrathin Wireless Router
Power supply : DC 5V From PC Input AC 120V/60Hz
Test mode : IEEE802.11b 2437MHz Tx Mode
R100

	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2437.000	27.00	5.85	35.70	92.61	89.76	74.00	-15.76	Peak

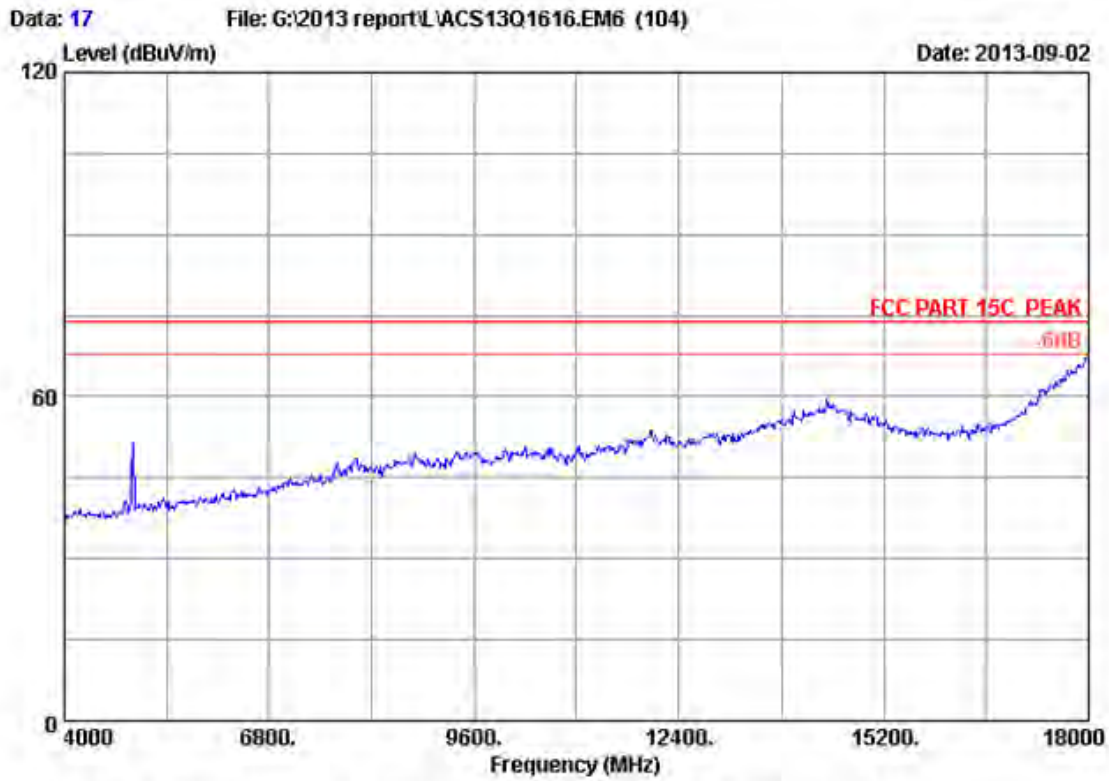
Remarks:
1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.



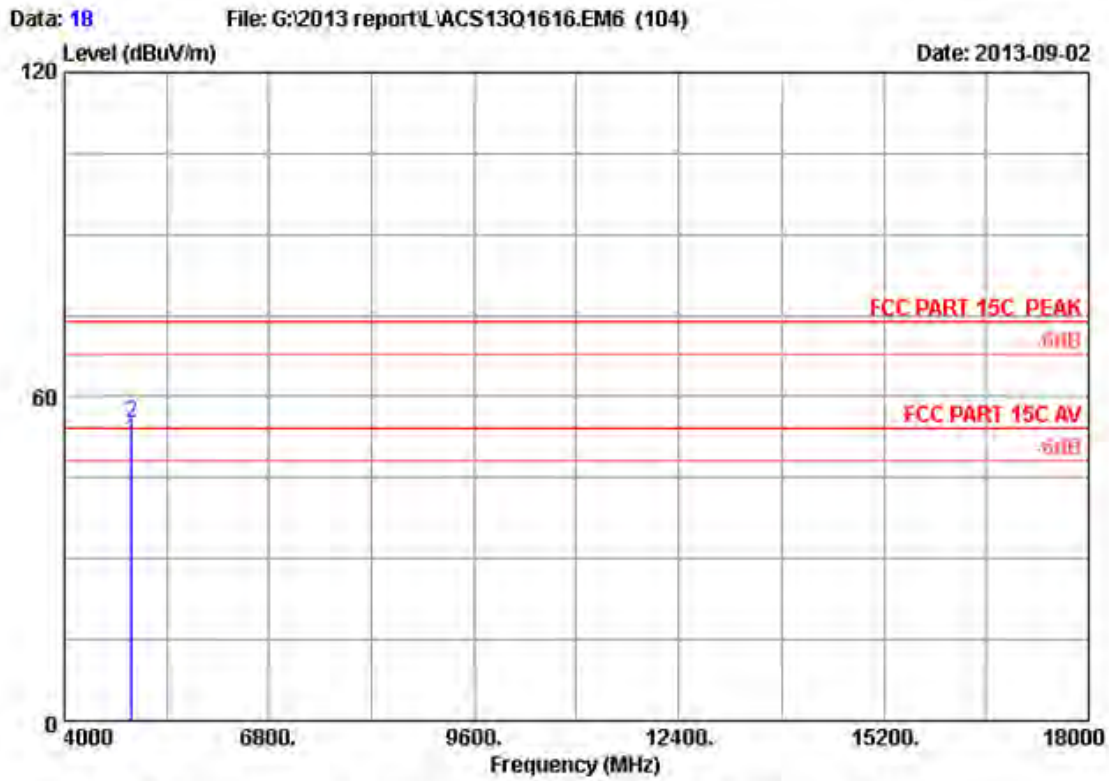
Site no. : 3m Chamber Data no. : 16
Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : HORIZONTAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23*C/54% Engineer : Leo-Li
EUT : Ultrathin Wireless Router
Power supply : DC 5V From PC Input AC 120V/60Hz
Test mode : IEEE802.11b 2437MHz Tx Mode
R100

	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2437.000	27.00	5.85	35.70	87.19	84.34	74.00	-10.34	Peak

Remarks:
1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.



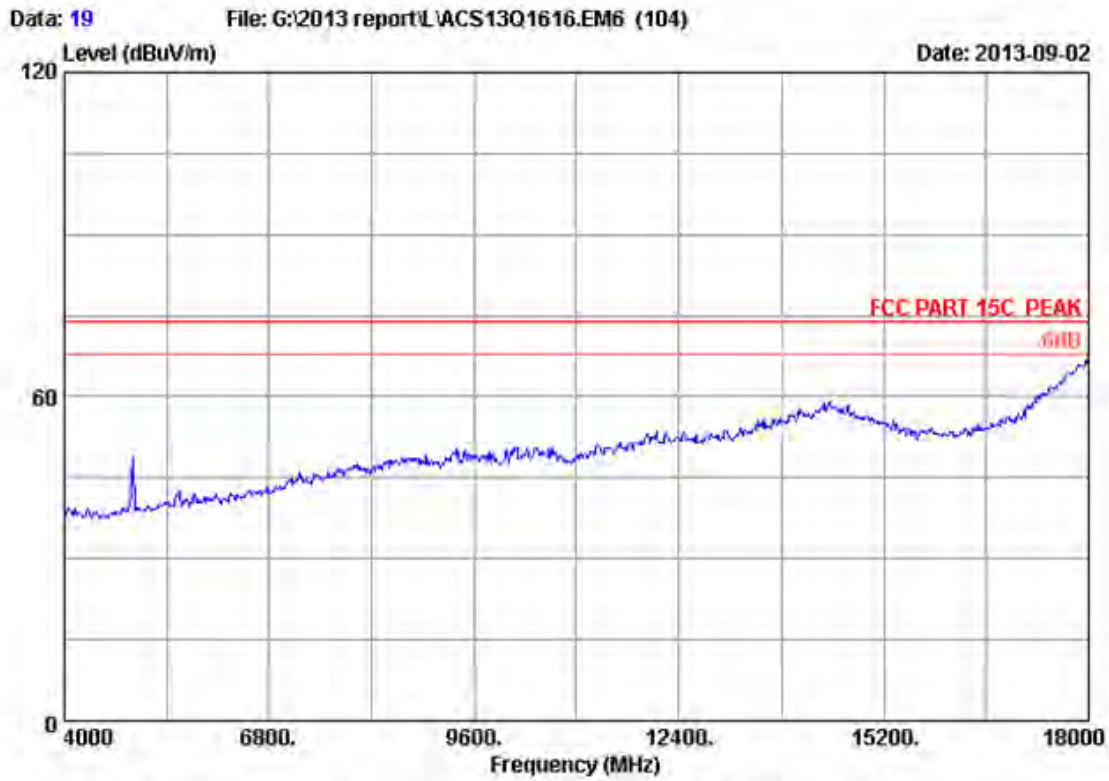
Site no.	: 3m Chamber	Data no.	: 17
Dis. / Ant.	: 3m 2012 3115 (4580)	Ant. pol.	: HORIZONTAL
Limit	: FCC PART 15C PEAK		
Env. / Ins.	: 23*C/54%	Engineer	: Leo-Li
EUT	: Ultrathin Wireless Router		
Power supply	: DC 5V From PC Input AC 120V/60Hz		
Test mode	: IEEE802.11b 2462MHz Tx Mode R100		



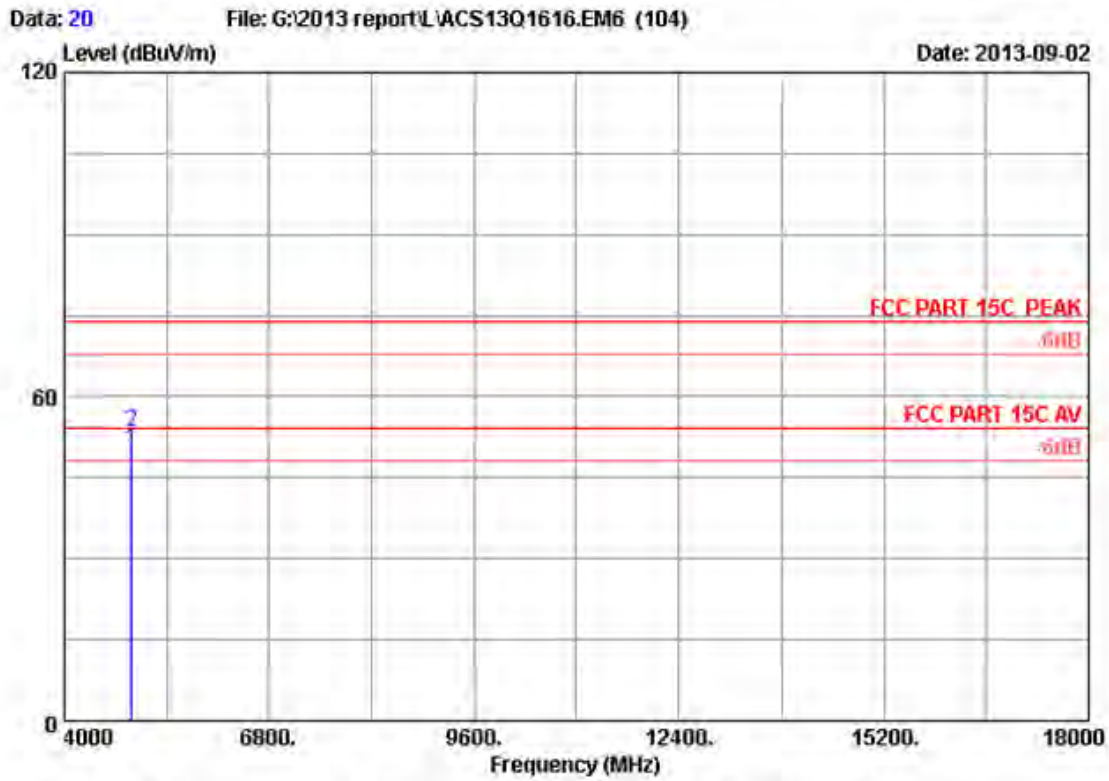
Site no. : 3m Chamber Data no. : 18
Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : HORIZONTAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23*C/54% Engineer : Leo-Li
EUT : Ultrathin Wireless Router
Power supply : DC 5V From PC Input AC 120V/60Hz
Test mode : IEEE802.11b 2462MHz Tx Mode
R100

	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	4924.000	32.73	8.69	35.70	46.05	51.77	54.00	2.23	Average
2	4924.000	32.73	8.69	35.70	49.59	55.31	74.00	18.69	Peak

Remarks:
1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.



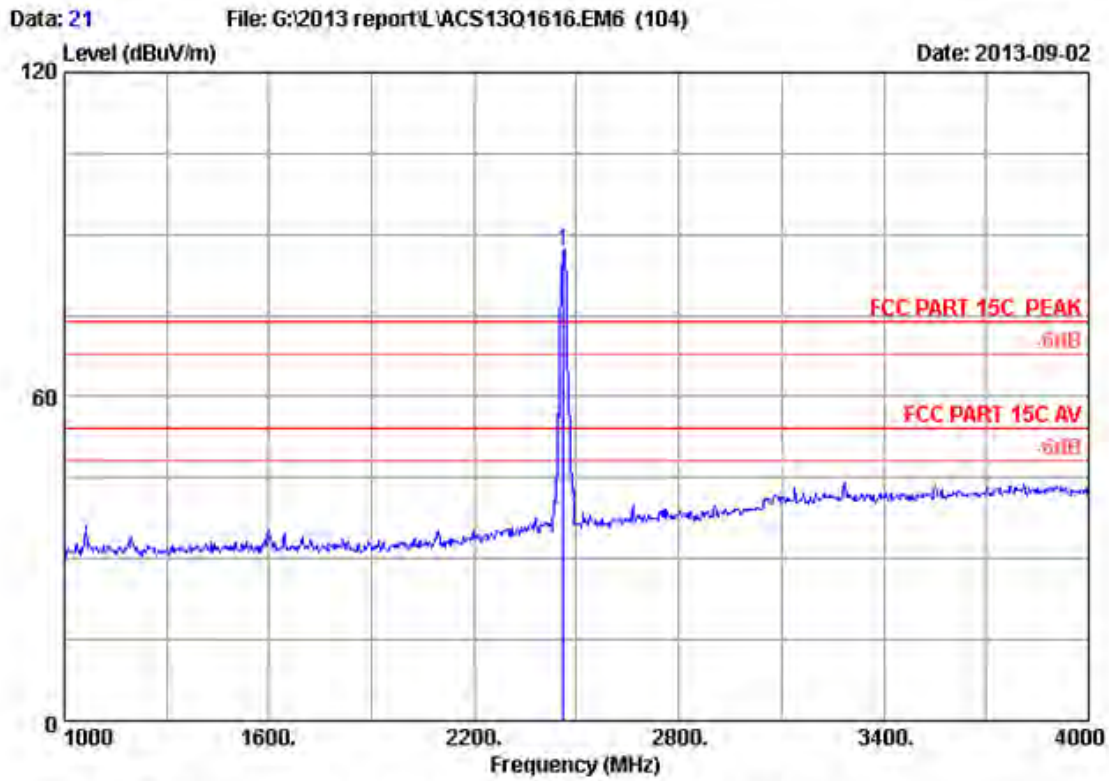
Site no.	: 3m Chamber	Data no.	: 19
Dis. / Ant.	: 3m 2012 3115 (4580)	Ant. pol.	: VERTICAL
Limit	: FCC PART 15C PEAK		
Env. / Ins.	: 23*C/54%	Engineer	: Leo-Li
EUT	: Ultrathin Wireless Router		
Power supply	: DC 5V From PC Input AC 120V/60Hz		
Test mode	: IEEE802.11b 2462MHz Tx Mode R100		



Site no. : 3m Chamber Data no. : 20
Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : VERTICAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23*C/54% Engineer : Leo-Li
EUT : Ultrathin Wireless Router
Power supply : DC 5V From PC Input AC 120V/60Hz
Test mode : IEEE802.11b 2462MHz Tx Mode
R100

	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	4924.000	32.73	8.69	35.70	44.48	50.20	54.00	3.80	Average
2	4924.000	32.73	8.69	35.70	47.68	53.40	74.00	20.60	Peak

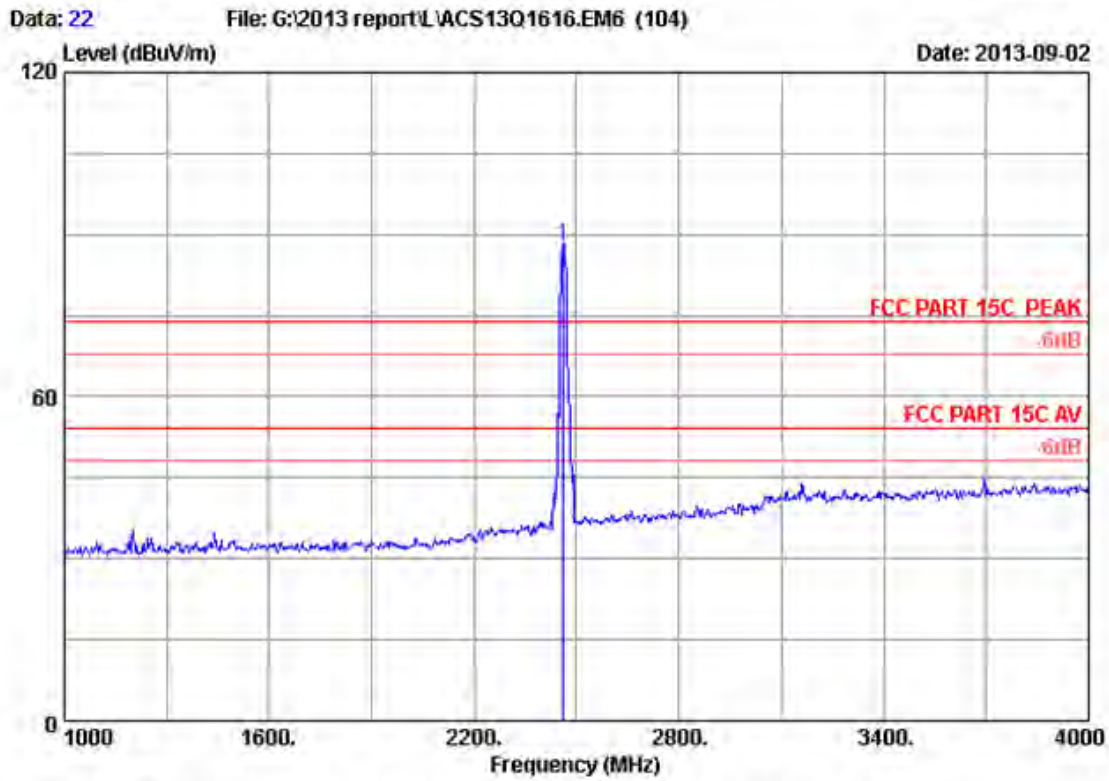
Remarks:
1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 21
Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : VERTICAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23*C/54% Engineer : Leo-Li
EUT : Ultrathin Wireless Router
Power supply : DC 5V From PC Input AC 120V/60Hz
Test mode : IEEE802.11b 2462MHz Tx Mode
R100

	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2462.000	27.16	5.89	35.70	89.68	87.03	74.00	-13.03	Peak

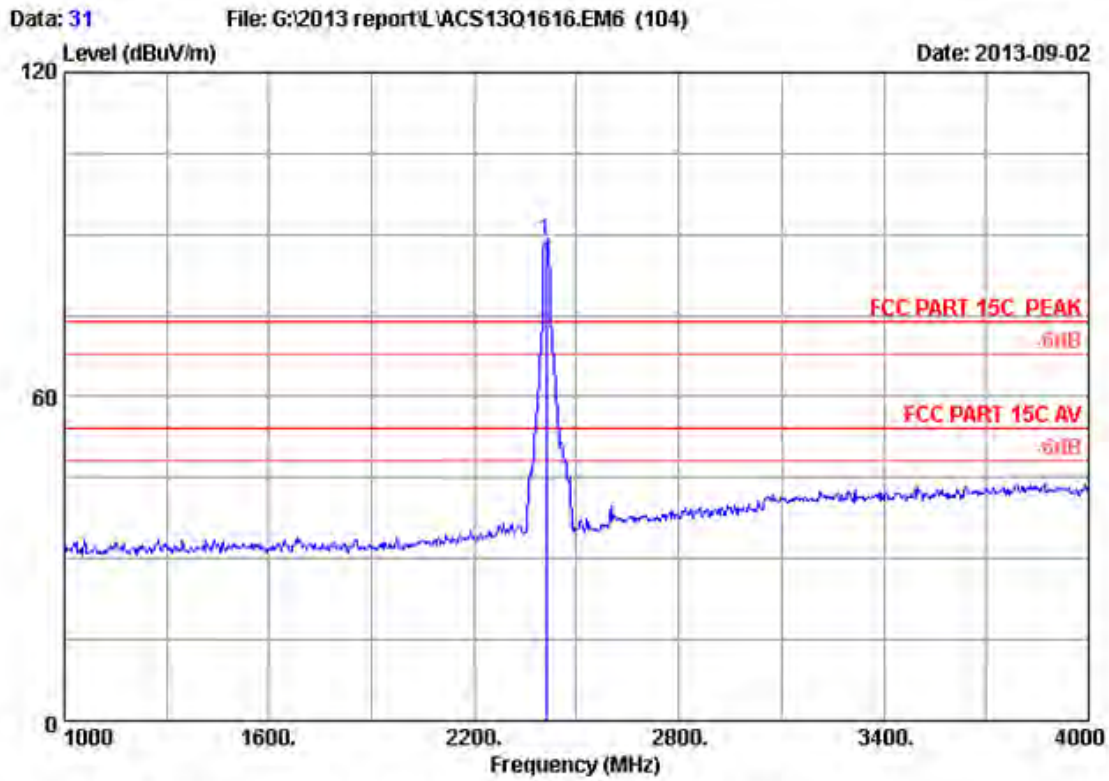
Remarks:
1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 22
Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : HORIZONTAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23*C/54% Engineer : Leo-Li
EUT : Ultrathin Wireless Router
Power supply : DC 5V From PC Input AC 120V/60Hz
Test mode : IEEE802.11b 2462MHz Tx Mode
R100

	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2462.000	27.16	5.89	35.70	90.67	88.02	74.00	-14.02	Peak

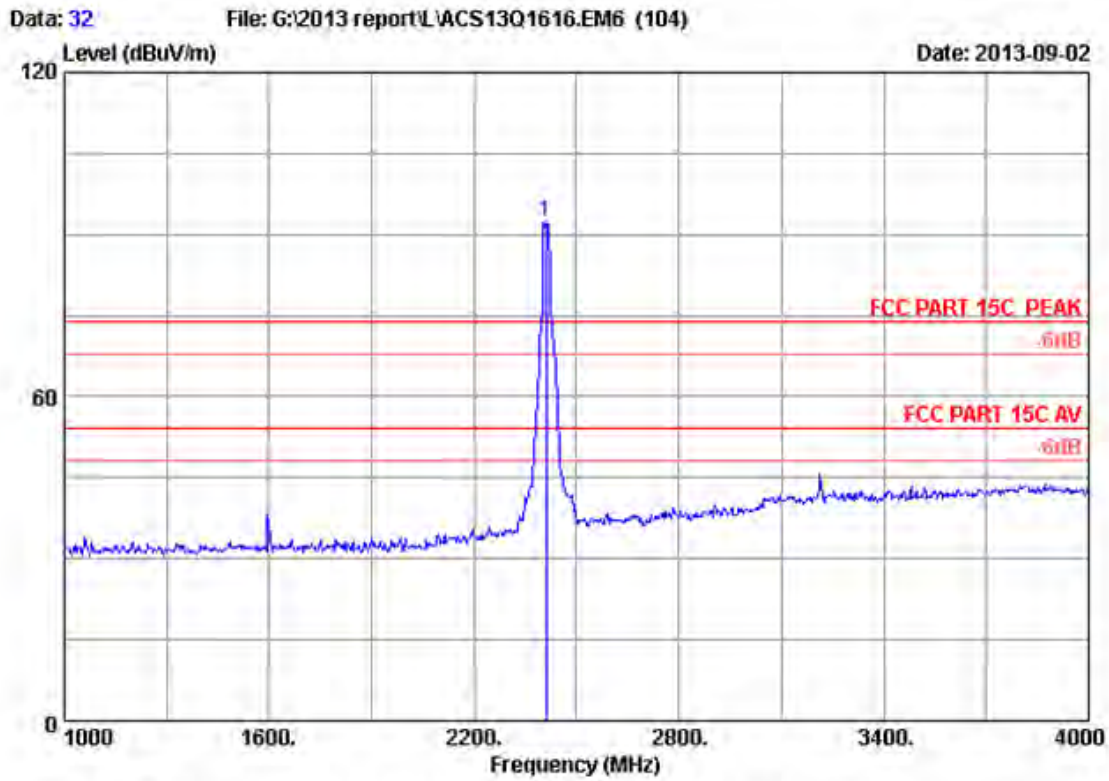
Remarks:
1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 31
Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : HORIZONTAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23*C/54% Engineer : Leo-Li
EUT : Ultrathin Wireless Router
Power supply : DC 5V From PC Input AC 120V/60Hz
Test mode : IEEE802.11g 2412MHz Tx Mode
R100

	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2412.000	26.84	5.81	35.70	92.08	89.03	74.00	-15.03	Peak

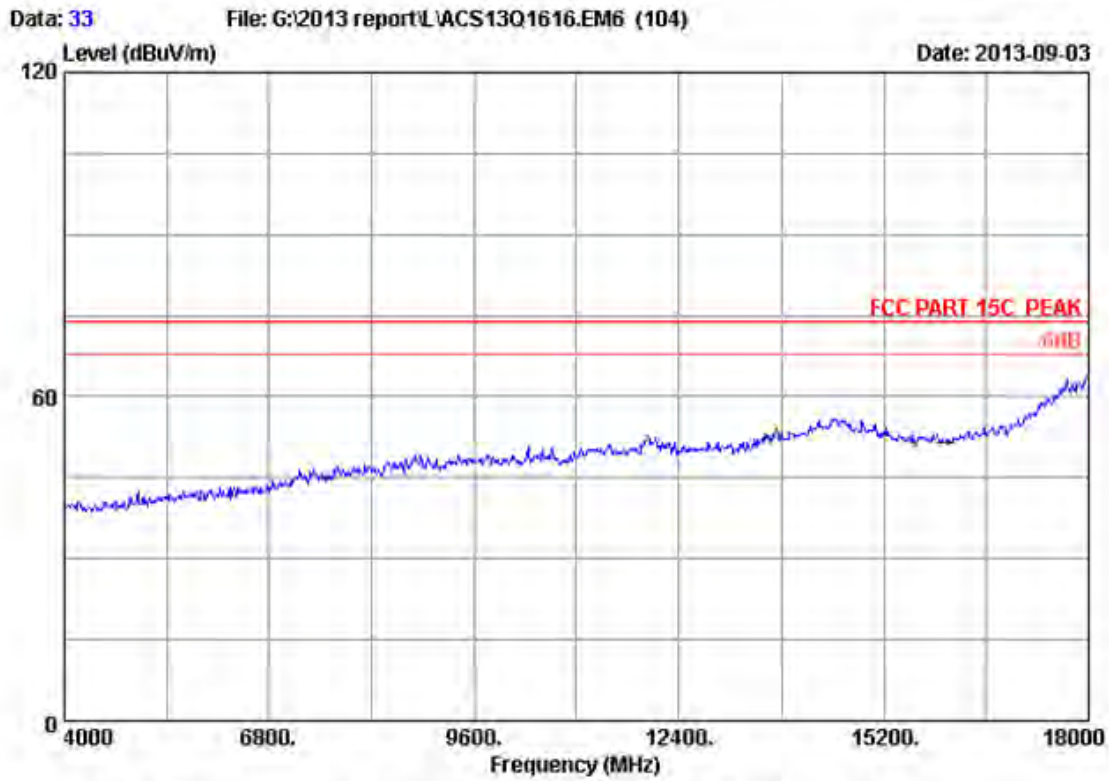
Remarks:
1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.



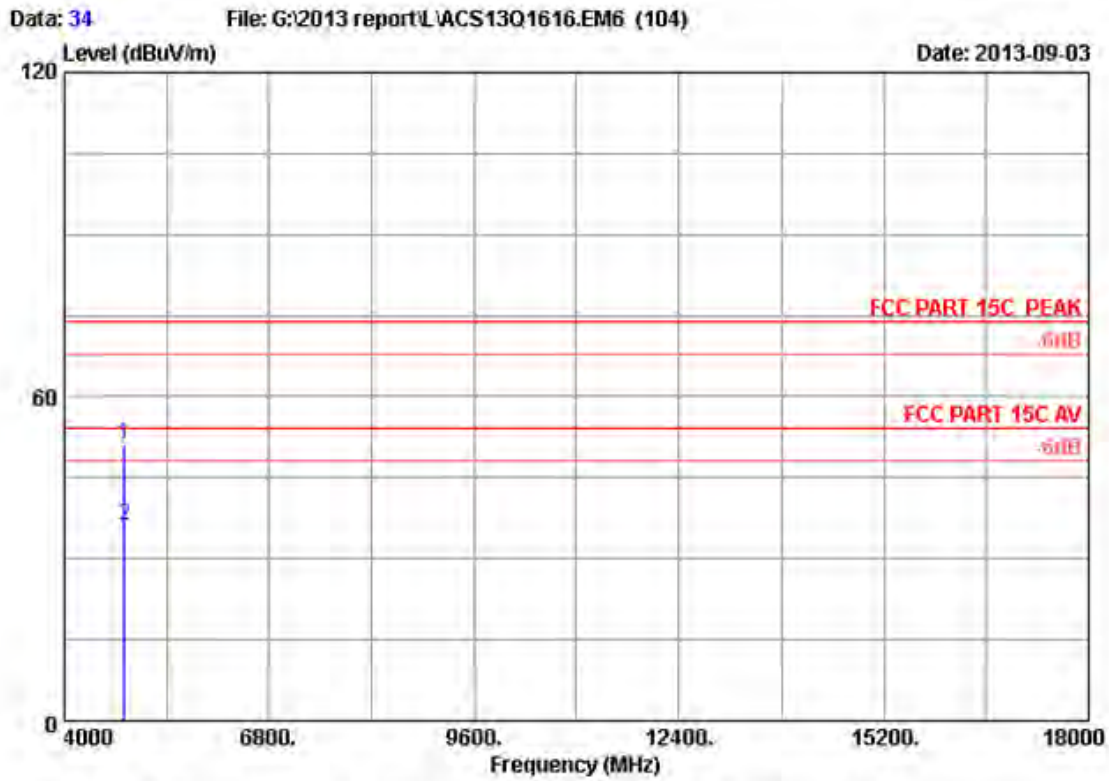
Site no. : 3m Chamber Data no. : 32
Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : VERTICAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23°C/54% Engineer : Leo-Li
EUT : Ultrathin Wireless Router
Power supply : DC 5V From PC Input AC 120V/60Hz
Test mode : IEEE802.11g 2412MHz Tx Mode
R100

	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2412.000	26.84	5.81	35.70	95.42	92.37	74.00	-18.37	Peak

Remarks:
1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.



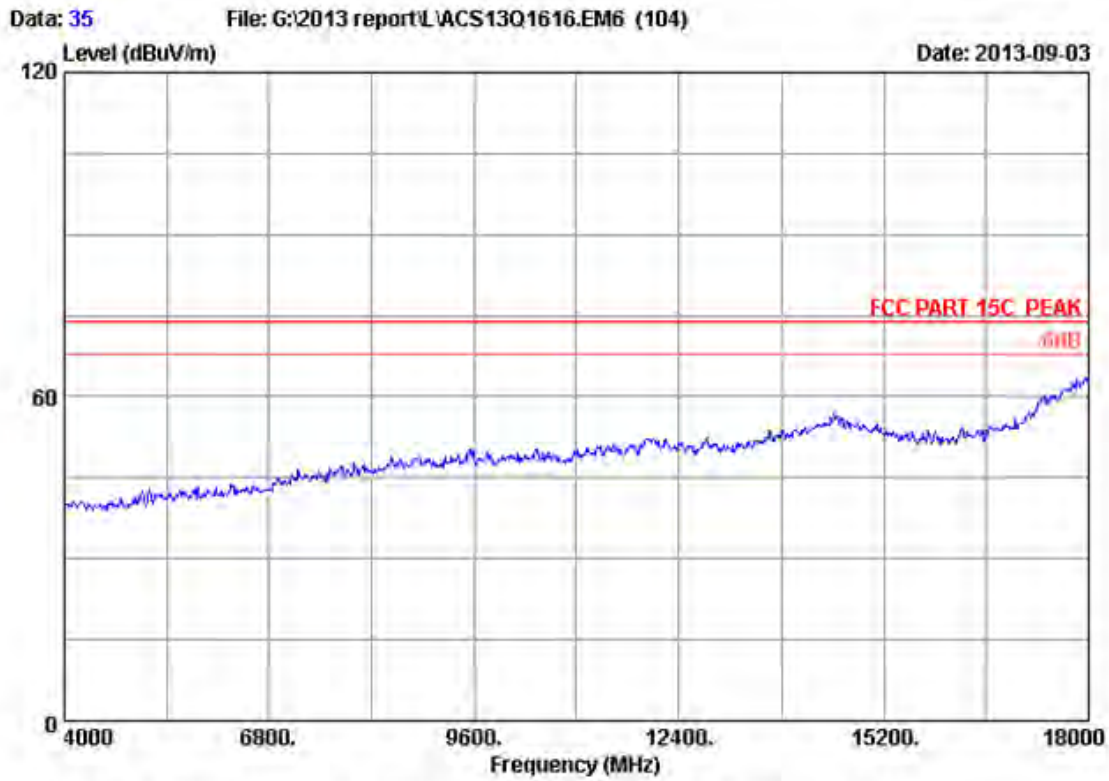
Site no.	: 3m Chamber	Data no.	: 33
Dis. / Ant.	: 3m 2012 3115 (4580)	Ant. pol.	: VERTICAL
Limit	: FCC PART 15C PEAK		
Env. / Ins.	: 23*C/54%	Engineer	: leo-Li
EUT	: Ultrathin Wireless Router		
Power supply	: DC 5V From PC Input AC 120V/60Hz		
Test mode	: IEEE802.11g CH1 2412MHz Tx R100		



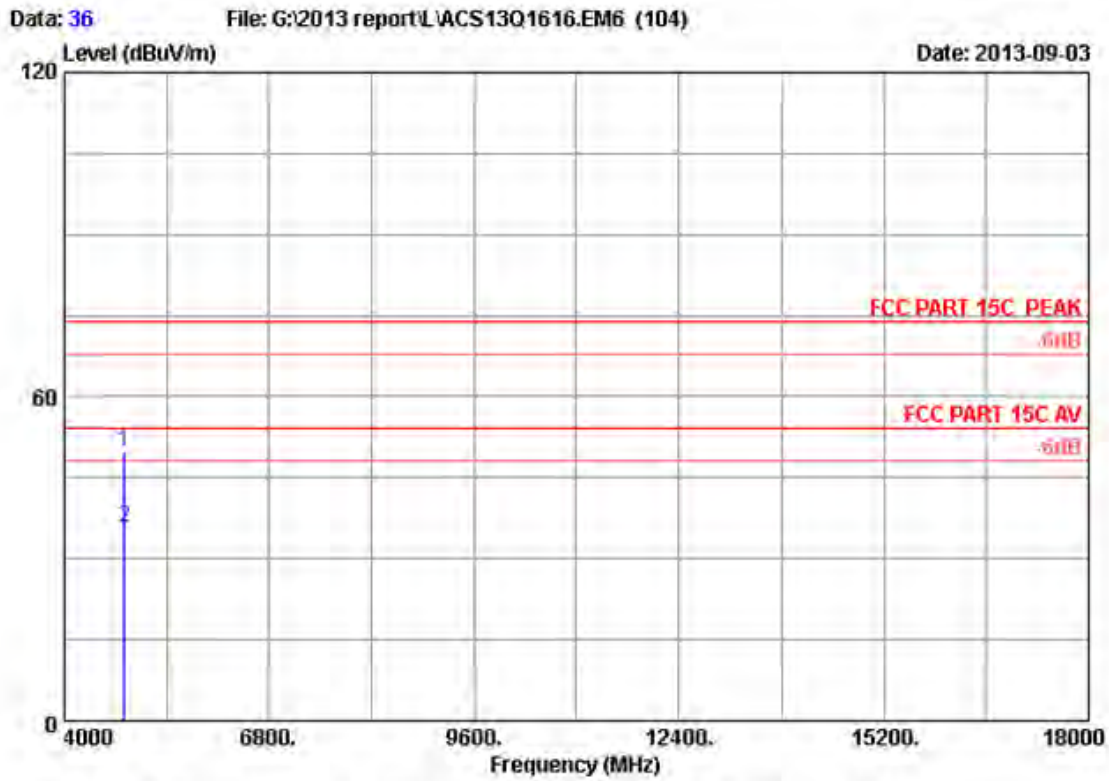
Site no. : 3m Chamber Data no. : 34
Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : VERTICAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23*C/54% Engineer : leo-Li
EUT : Ultrathin Wireless Router
Power supply : DC 5V From PC Input AC 120V/60Hz
Test mode : IEEE802.11g CH1 2412MHz Tx
R100

	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	4824.000	32.51	8.58	35.70	45.66	51.05	74.00	22.95	Peak
2	4824.000	32.51	8.58	35.70	30.78	36.17	54.00	17.83	Average

Remarks:
1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.



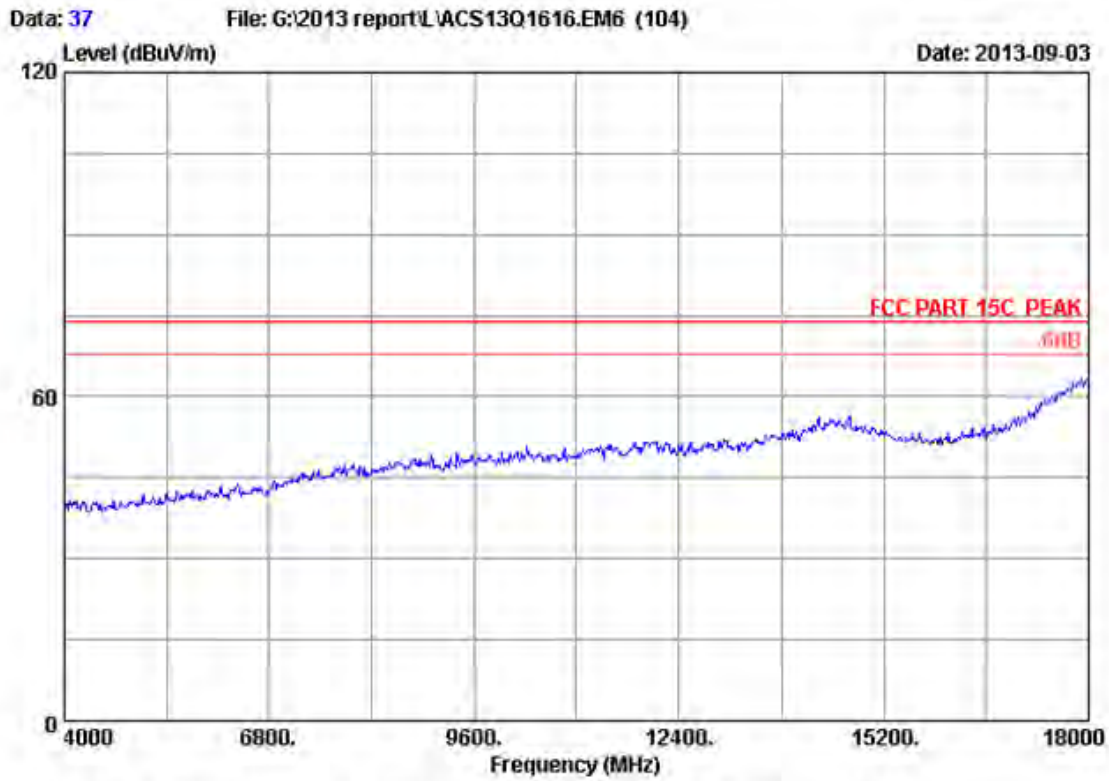
Site no.	: 3m Chamber	Data no.	: 35
Dis. / Ant.	: 3m 2012 3115 (4580)	Ant. pol.	: HORIZONTAL
Limit	: FCC PART 15C PEAK		
Env. / Ins.	: 23*C/54%	Engineer	: leo-Li
EUT	: Ultrathin Wireless Router		
Power supply	: DC 5V From PC Input AC 120V/60Hz		
Test mode	: IEEE802.11g CH1 2412MHz Tx R100		



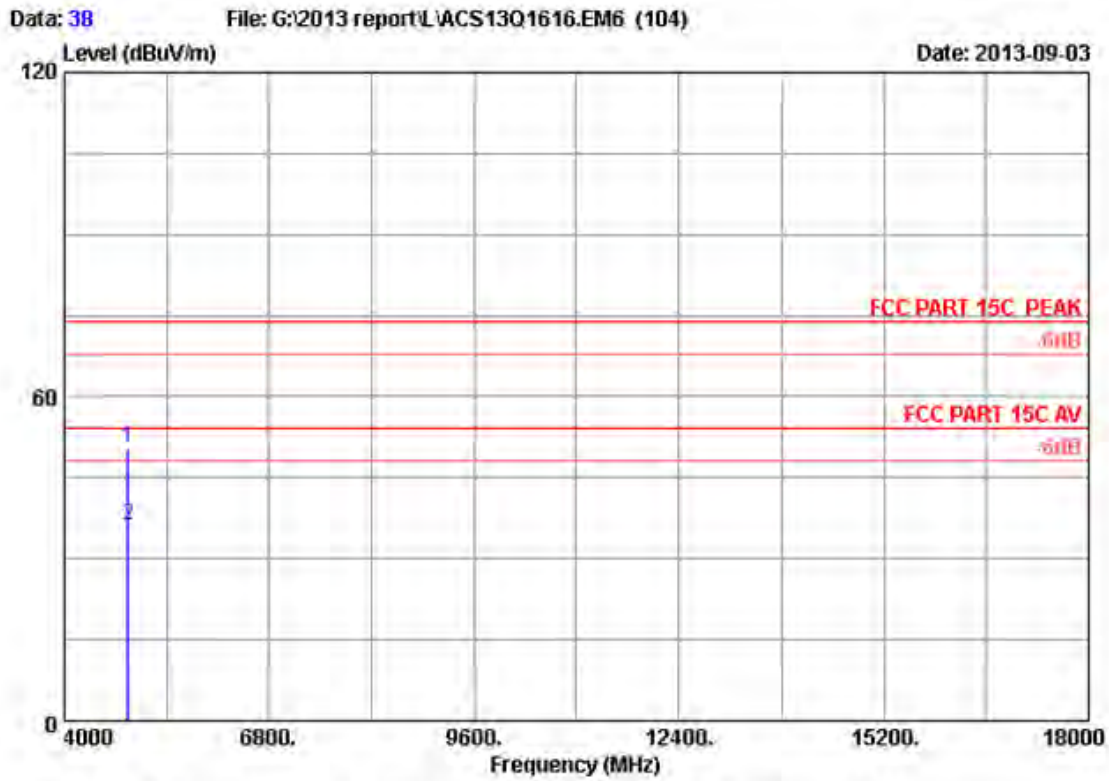
Site no. : 3m Chamber Data no. : 36
Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : HORIZONTAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23*C/54% Engineer : leo-Li
EUT : Ultrathin Wireless Router
Power supply : DC 5V From PC Input AC 120V/60Hz
Test mode : IEEE802.11g CH1 2412MHz Tx
R100

	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	4824.000	32.51	8.58	35.70	44.57	49.96	74.00	24.04	Peak
2	4824.000	32.51	8.58	35.70	30.52	35.91	54.00	18.09	Average

Remarks:
1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.



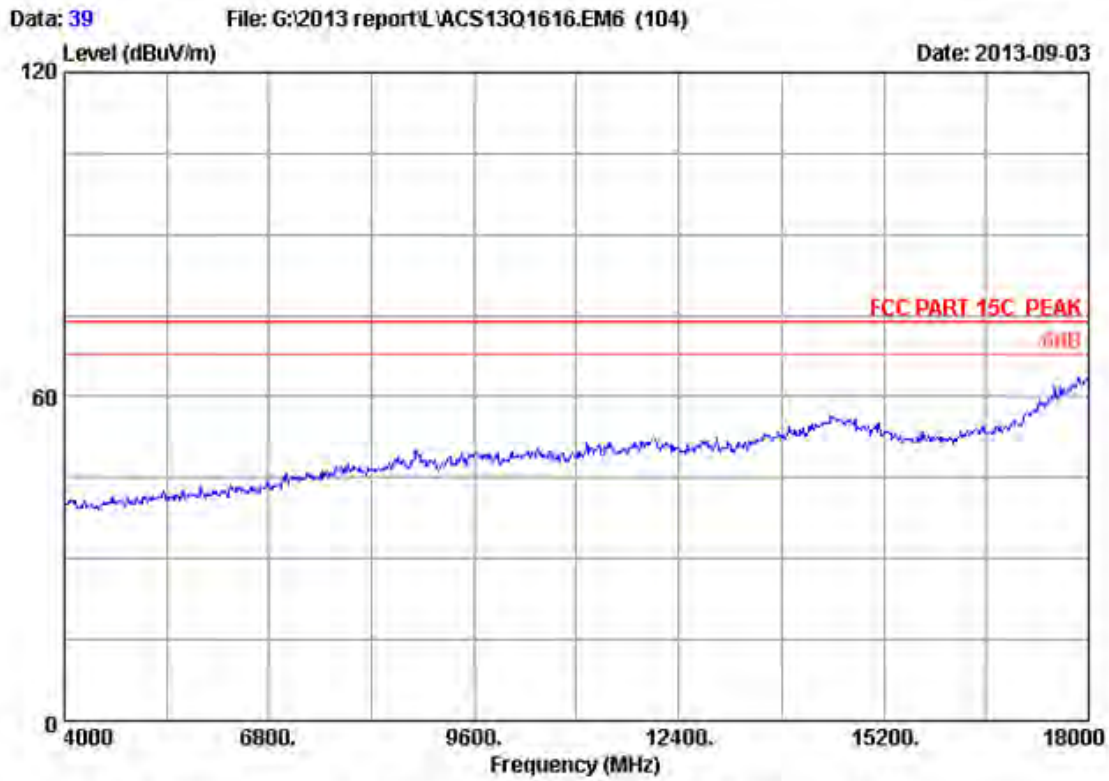
Site no.	: 3m Chamber	Data no.	: 37
Dis. / Ant.	: 3m 2012 3115 (4580)	Ant. pol.	: HORIZONTAL
Limit	: FCC PART 15C PEAK		
Env. / Ins.	: 23*C/54%	Engineer	: leo-Li
EUT	: Ultrathin Wireless Router		
Power supply	: DC 5V From PC Input AC 120V/60Hz		
Test mode	: IEEE802.11g CH6 2437MHz Tx R100		



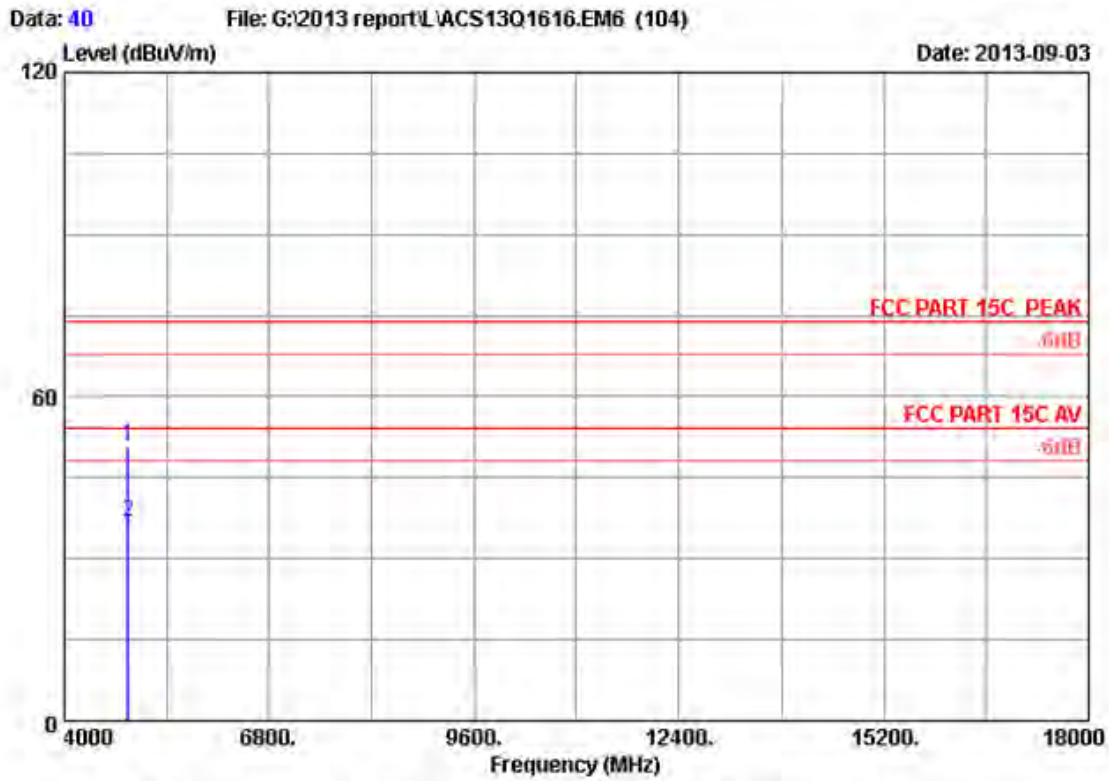
Site no. : 3m Chamber Data no. : 38
Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : HORIZONTAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23*C/54% Engineer : leo-Li
EUT : Ultrathin Wireless Router
Power supply : DC 5V From PC Input AC 120V/60Hz
Test mode : IEEE802.11g CH6 2437MHz Tx
R100

	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	4874.000	32.62	8.63	35.70	44.96	50.51	74.00	23.49	Peak
2	4874.000	32.62	8.63	35.70	30.57	36.12	54.00	17.88	Average

Remarks:
1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.



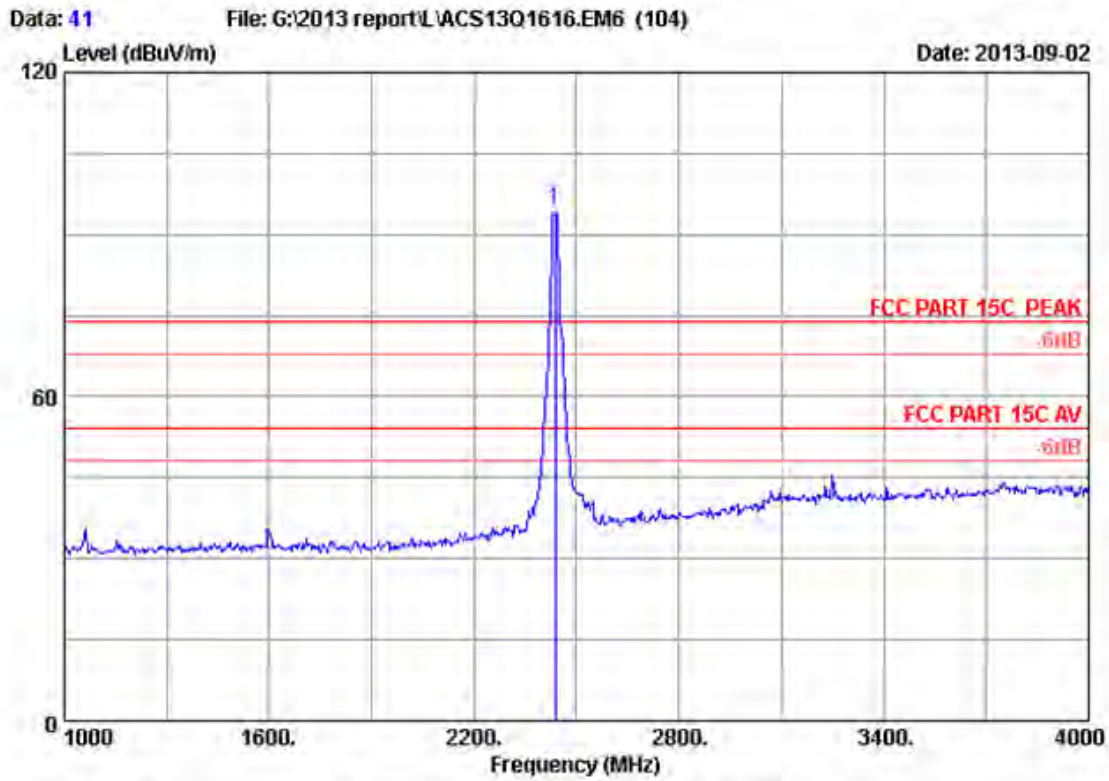
Site no.	: 3m Chamber	Data no.	: 39
Dis. / Ant.	: 3m 2012 3115 (4580)	Ant. pol.	: VERTICAL
Limit	: FCC PART 15C PEAK		
Env. / Ins.	: 23*C/54%	Engineer	: leo-Li
EUT	: Ultrathin Wireless Router		
Power supply	: DC 5V From PC Input AC 120V/60Hz		
Test mode	: IEEE802.11g CH6 2437MHz Tx R100		



Site no. : 3m Chamber Data no. : 40
Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : VERTICAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23*C/54% Engineer : leo-Li
EUT : Ultrathin Wireless Router
Power supply : DC 5V From PC Input AC 120V/60Hz
Test mode : IEEE802.11g CH6 2437MHz Tx
R100

	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	4874.000	32.62	8.63	35.70	45.29	50.84	74.00	23.16	Peak
2	4874.000	32.62	8.63	35.70	31.25	36.80	54.00	17.20	Average

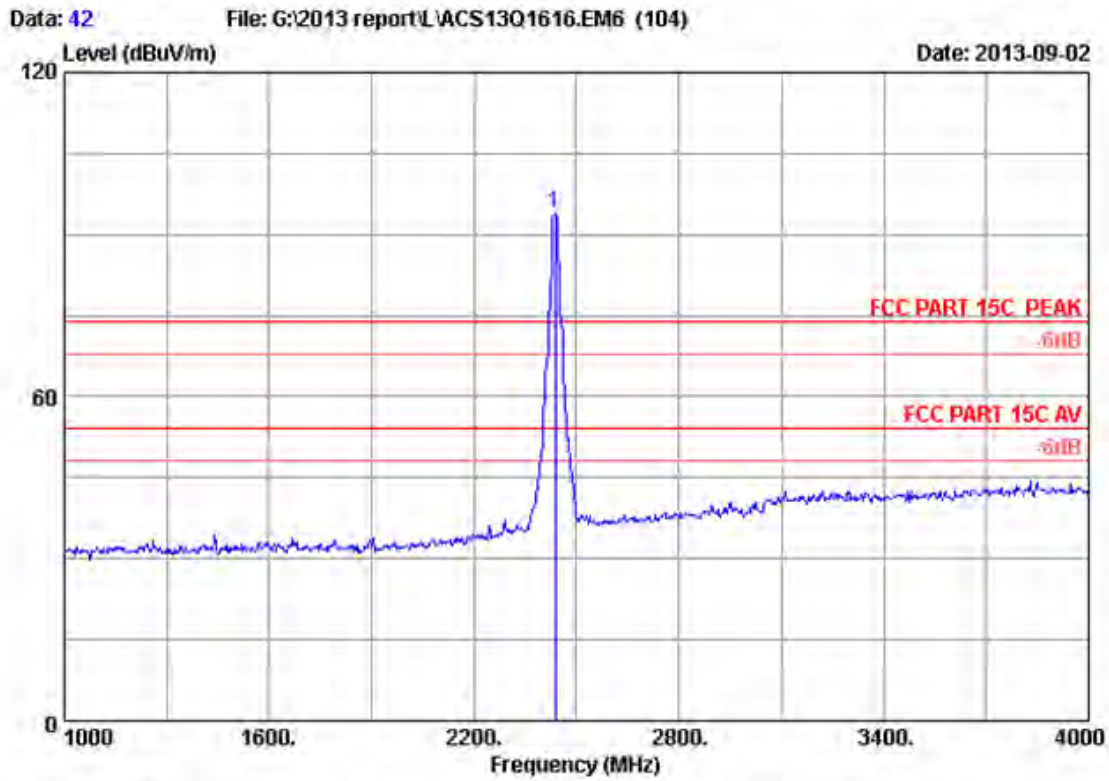
Remarks:
1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 41
Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : VERTICAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23*C/54% Engineer : Leo-Li
EUT : Ultrathin Wireless Router
Power supply : DC 5V From PC Input AC 120V/60Hz
Test mode : IEEE802.11g 2437MHz Tx Mode
R100

	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2437.000	27.00	5.85	35.70	97.32	94.47	74.00	-20.47	Peak

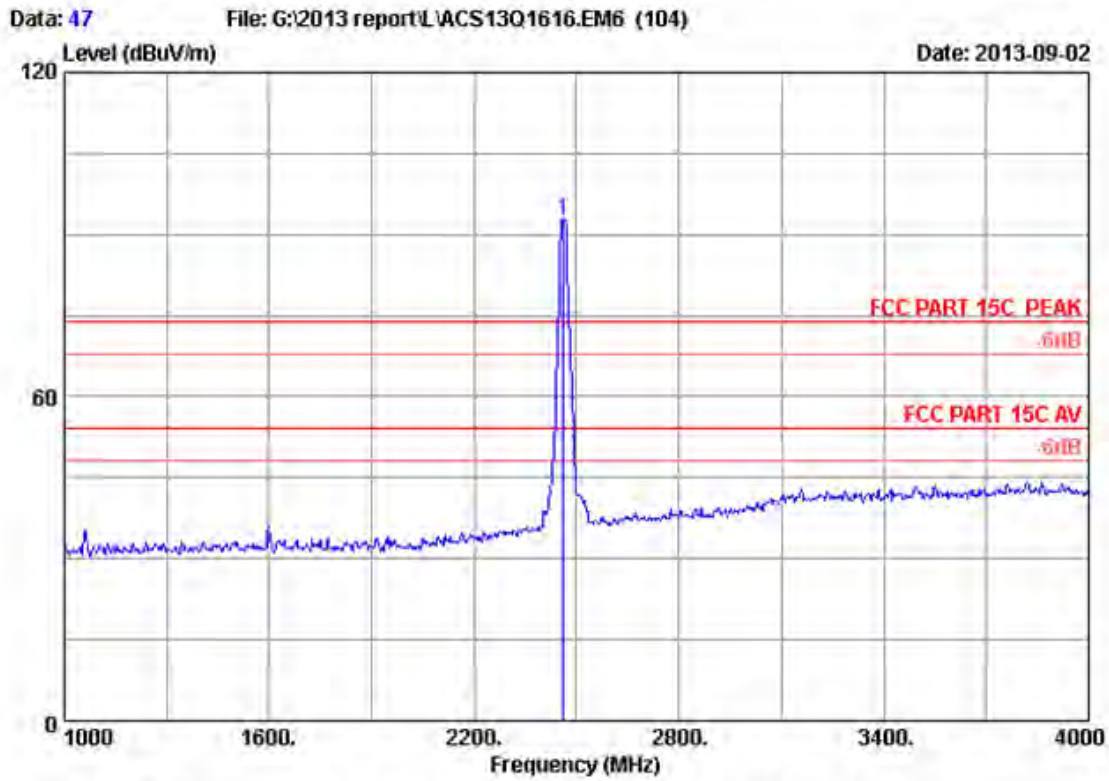
Remarks:
1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 42
Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : HORIZONTAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23*C/54% Engineer : Leo-Li
EUT : Ultrathin Wireless Router
Power supply : DC 5V From PC Input AC 120V/60Hz
Test mode : IEEE802.11g 2437MHz Tx Mode
R100

	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2437.000	27.00	5.85	35.70	96.67	93.82	74.00	-19.82	Peak

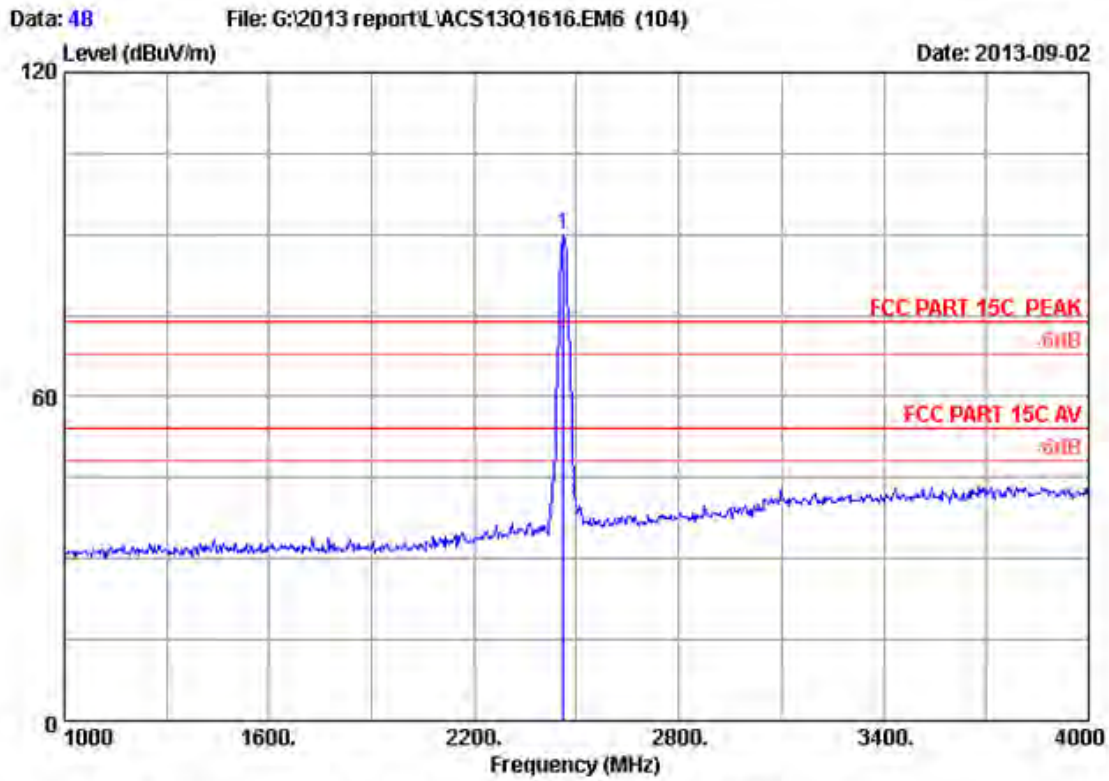
Remarks:
1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 47
Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : VERTICAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23*C/54% Engineer : Leo-Li
EUT : Ultrathin Wireless Router
Power supply : DC 5V From PC Input AC 120V/60Hz
Test mode : IEEE802.11g 2462MHz Tx Mode
R100

	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2462.000	27.16	5.89	35.70	95.25	92.60	74.00	-18.60	Peak

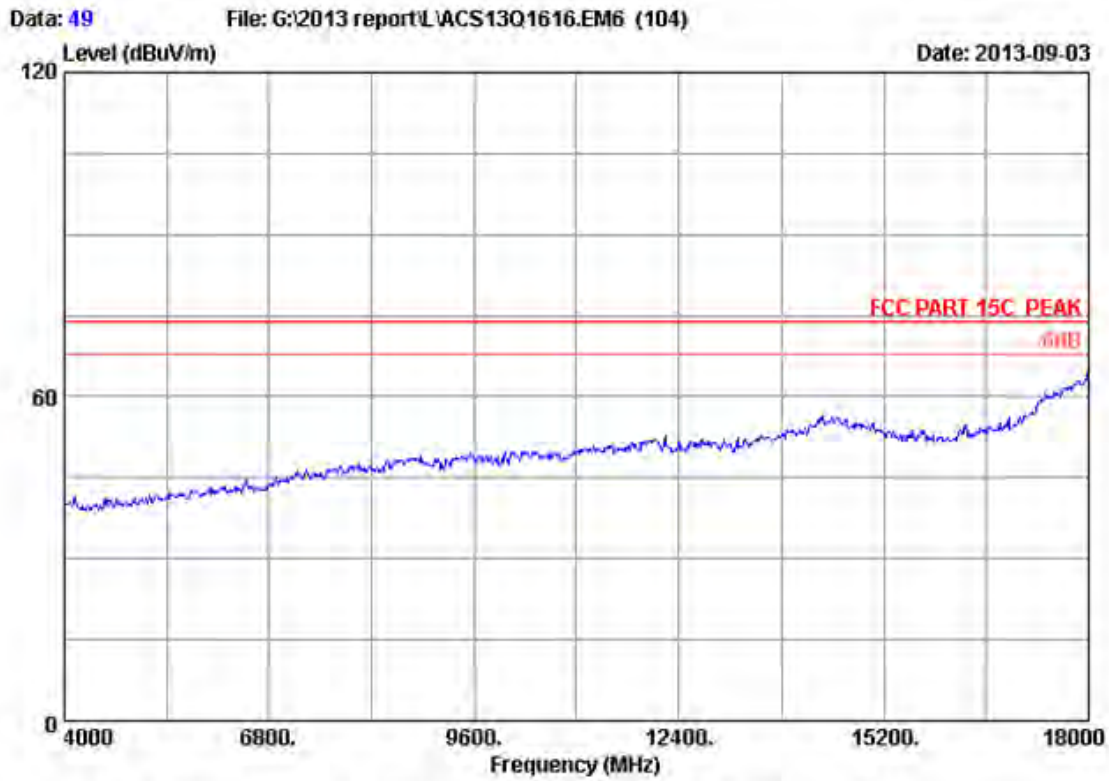
Remarks:
1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.



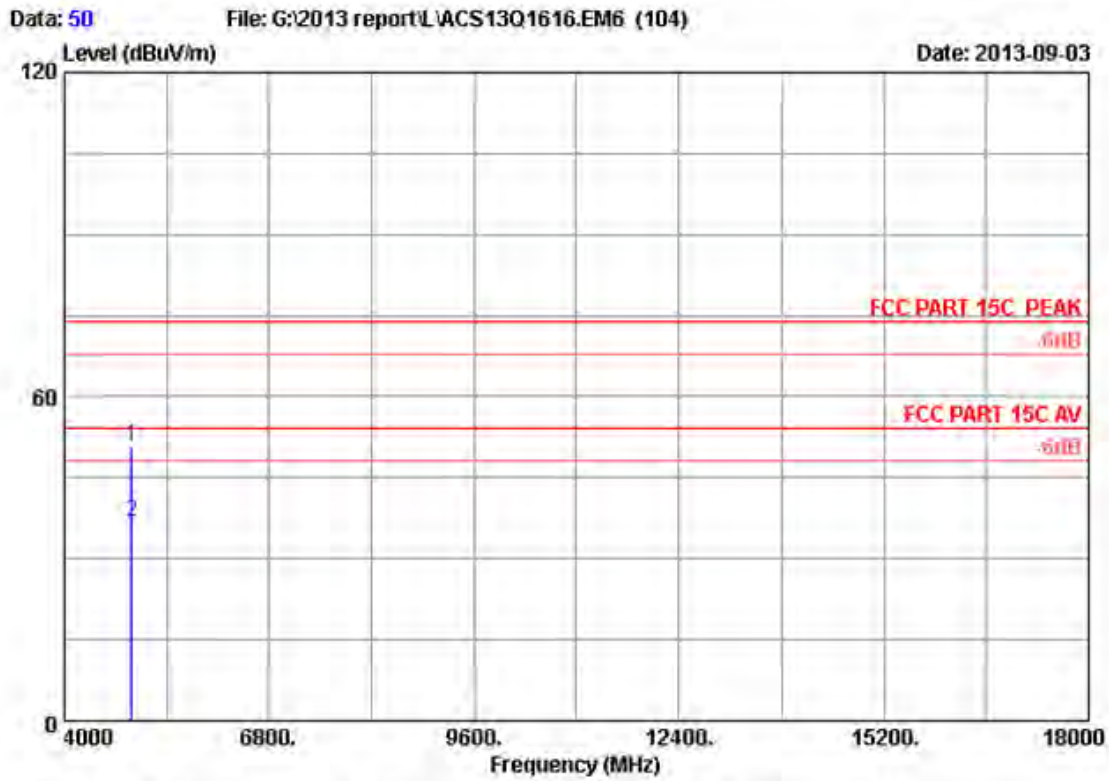
Site no. : 3m Chamber Data no. : 48
Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : HORIZONTAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23*C/54% Engineer : Leo-Li
EUT : Ultrathin Wireless Router
Power supply : DC 5V From PC Input AC 120V/60Hz
Test mode : IEEE802.11g 2462MHz Tx Mode
R100

	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2462.000	27.16	5.89	35.70	92.70	90.05	74.00	-16.05	Peak

Remarks:
1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.



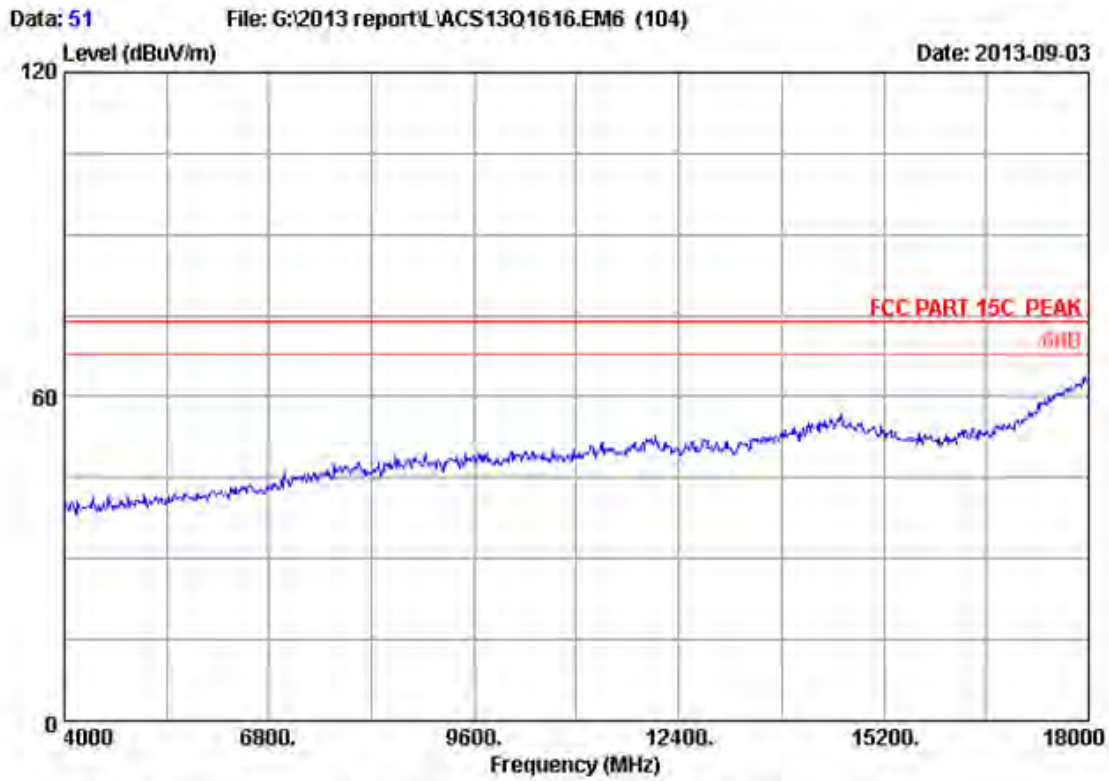
Site no.	: 3m Chamber	Data no.	: 49
Dis. / Ant.	: 3m 2012 3115 (4580)	Ant. pol.	: VERTICAL
Limit	: FCC PART 15C PEAK		
Env. / Ins.	: 23*C/54%	Engineer	: leo-Li
EUT	: Ultrathin Wireless Router		
Power supply	: DC 5V From PC Input AC 120V/60Hz		
Test mode	: IEEE802.11g CH11 2462MHz Tx R100		



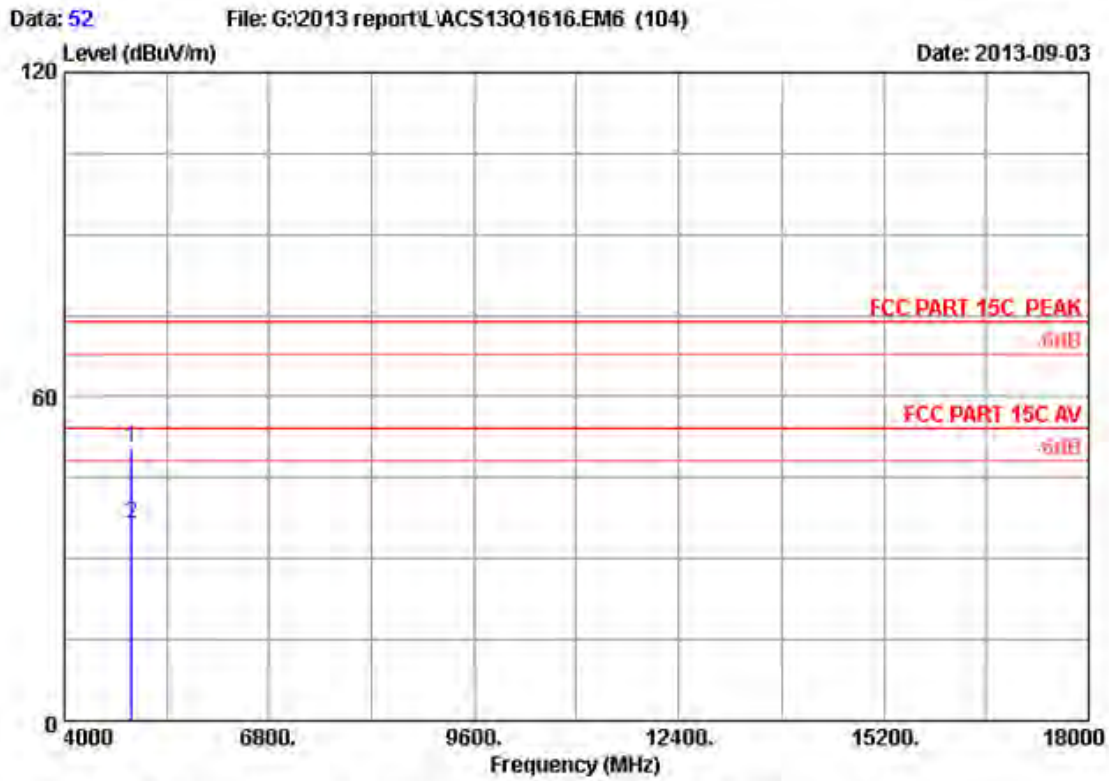
Site no. : 3m Chamber Data no. : 50
Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : VERTICAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23*C/54% Engineer : leo-Li
EUT : Ultrathin Wireless Router
Power supply : DC 5V From PC Input AC 120V/60Hz
Test mode : IEEE802.11g CH11 2462MHz Tx
R100

	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	4924.000	32.73	8.69	35.70	45.23	50.95	74.00	23.05	Peak
2	4924.000	32.73	8.69	35.70	31.02	36.74	54.00	17.26	Average

Remarks:
1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.



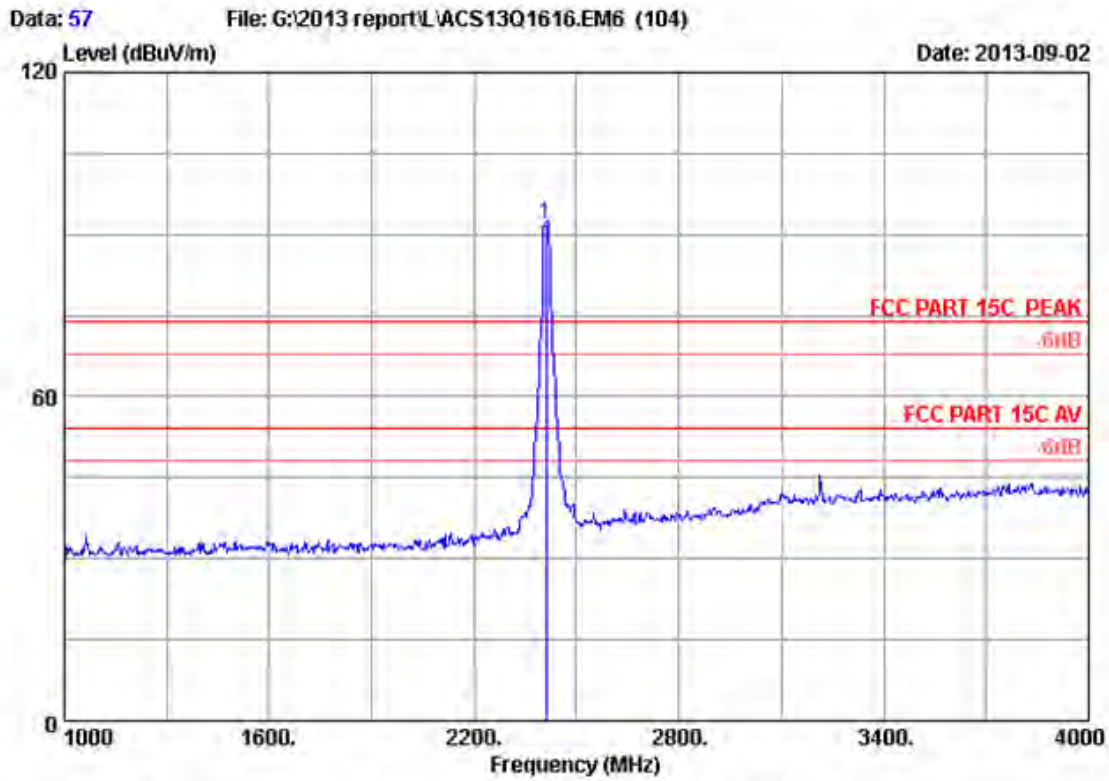
Site no.	: 3m Chamber	Data no.	: 51
Dis. / Ant.	: 3m 2012 3115 (4580)	Ant. pol.	: HORIZONTAL
Limit	: FCC PART 15C PEAK		
Env. / Ins.	: 23*C/54%	Engineer	: leo-Li
EUT	: Ultrathin Wireless Router		
Power supply	: DC 5V From PC Input AC 120V/60Hz		
Test mode	: IEEE802.11g CH11 2462MHz Tx R100		



Site no. : 3m Chamber Data no. : 52
Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : HORIZONTAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23*C/54% Engineer : leo-Li
EUT : Ultrathin Wireless Router
Power supply : DC 5V From PC Input AC 120V/60Hz
Test mode : IEEE802.11g CH11 2462MHz Tx
R100

	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	4924.000	32.73	8.69	35.70	44.59	50.31	74.00	23.69	Peak
2	4924.000	32.73	8.69	35.70	30.71	36.43	54.00	17.57	Average

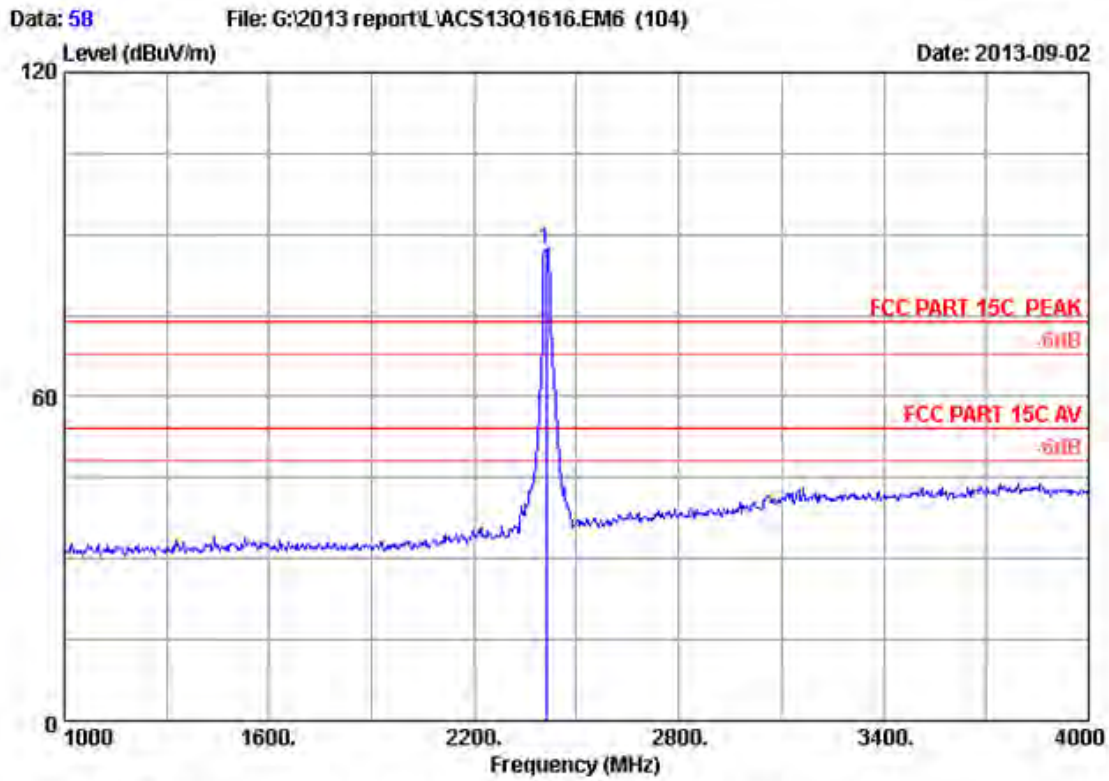
Remarks:
1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 57
Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : VERTICAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23*C/54% Engineer : Leo-Li
EUT : Ultrathin Wireless Router
Power supply : DC 5V From PC Input AC 120V/60Hz
Test mode : IEEE802.11nHT20 2412MHz Tx Mode
R100

	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2412.000	26.84	5.81	35.70	95.12	92.07	74.00	-18.07	Peak

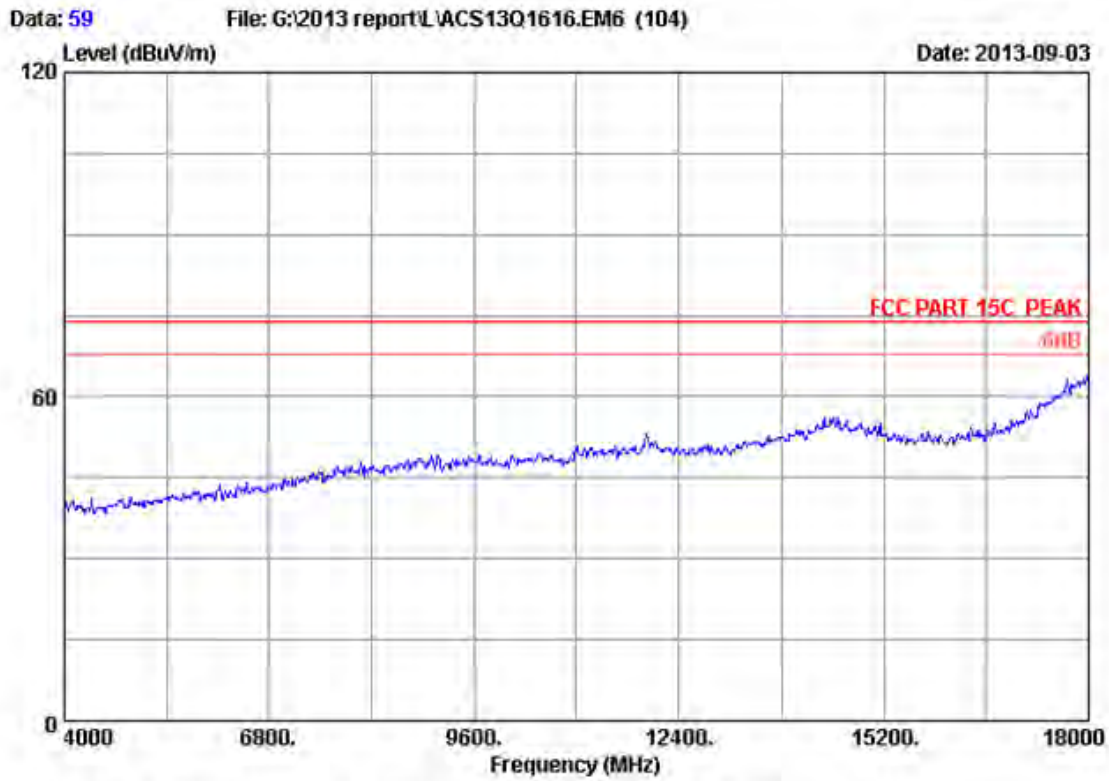
Remarks:
1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.



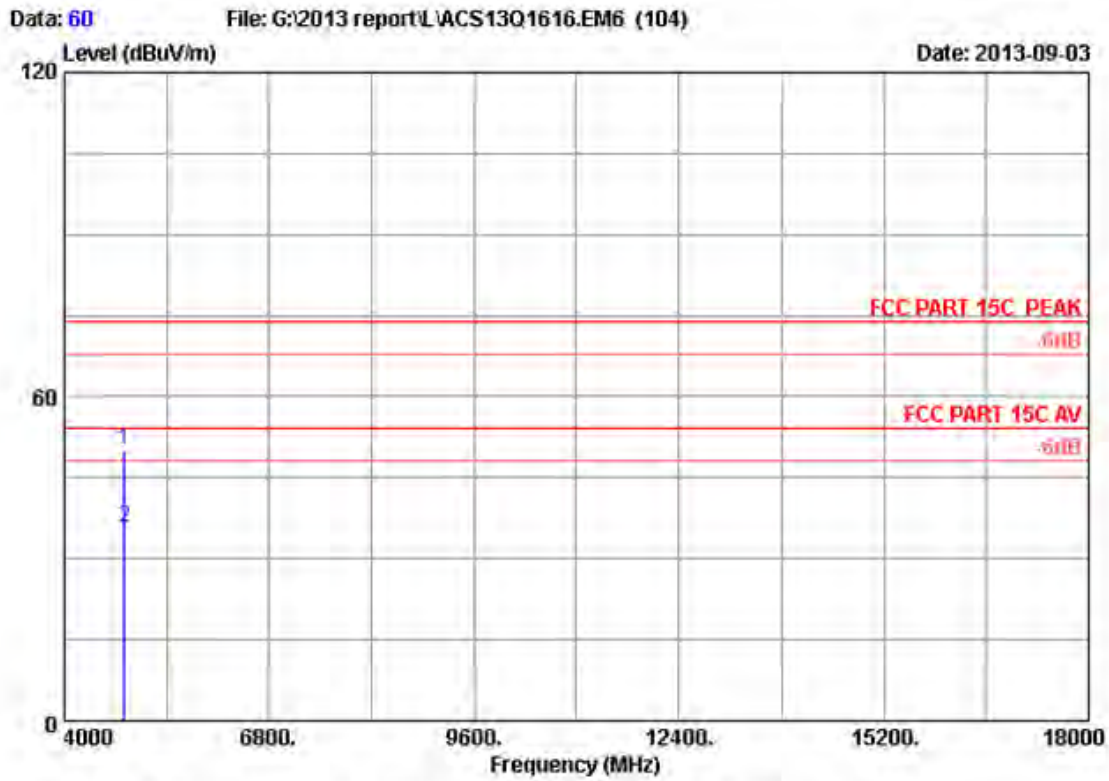
Site no. : 3m Chamber Data no. : 58
Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : HORIZONTAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23*C/54% Engineer : Leo-Li
EUT : Ultrathin Wireless Router
Power supply : DC 5V From PC Input AC 120V/60Hz
Test mode : IEEE802.11nHT20 2412MHz Tx Mode
R100

	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2412.000	26.84	5.81	35.70	90.24	87.19	74.00	-13.19	Peak

Remarks:
1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.



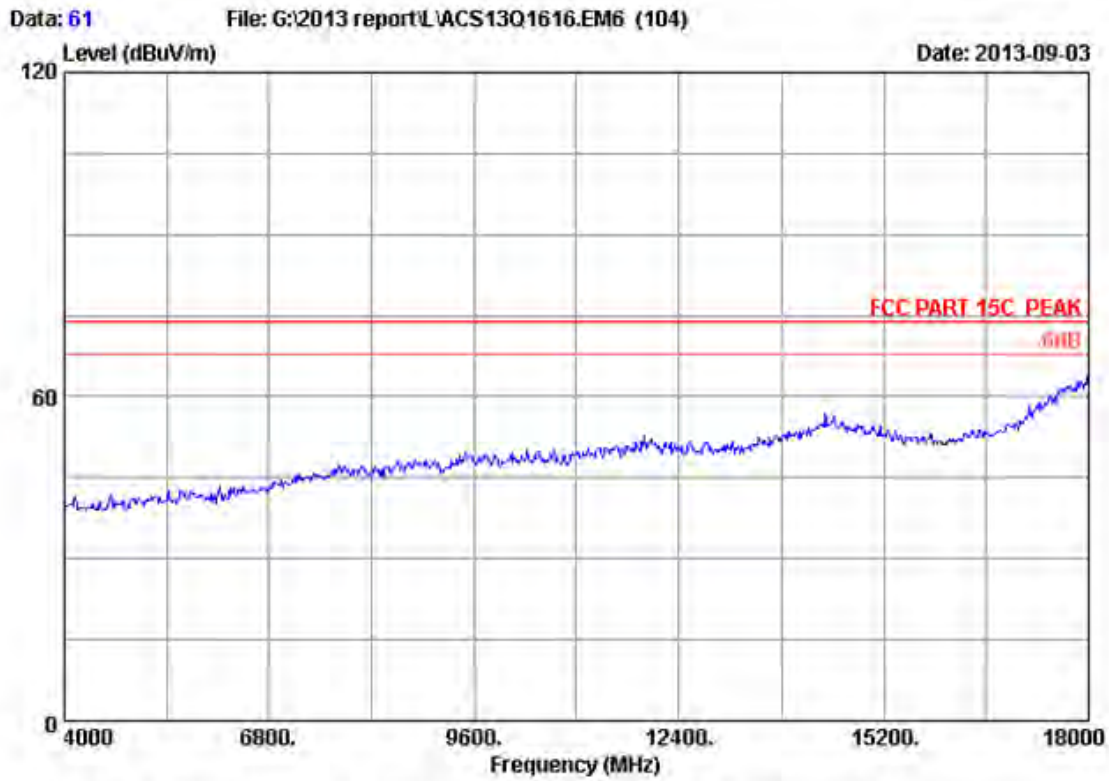
Site no.	: 3m Chamber	Data no.	: 59
Dis. / Ant.	: 3m 2012 3115 (4580)	Ant. pol.	: HORIZONTAL
Limit	: FCC PART 15C PEAK		
Env. / Ins.	: 23*C/54%	Engineer	: leo-Li
EUT	: Ultrathin Wireless Router		
Power supply	: DC 5V From PC Input AC 120V/60Hz		
Test mode	: IEEE802.11nHT20 CH1 2412MHz Tx R100		



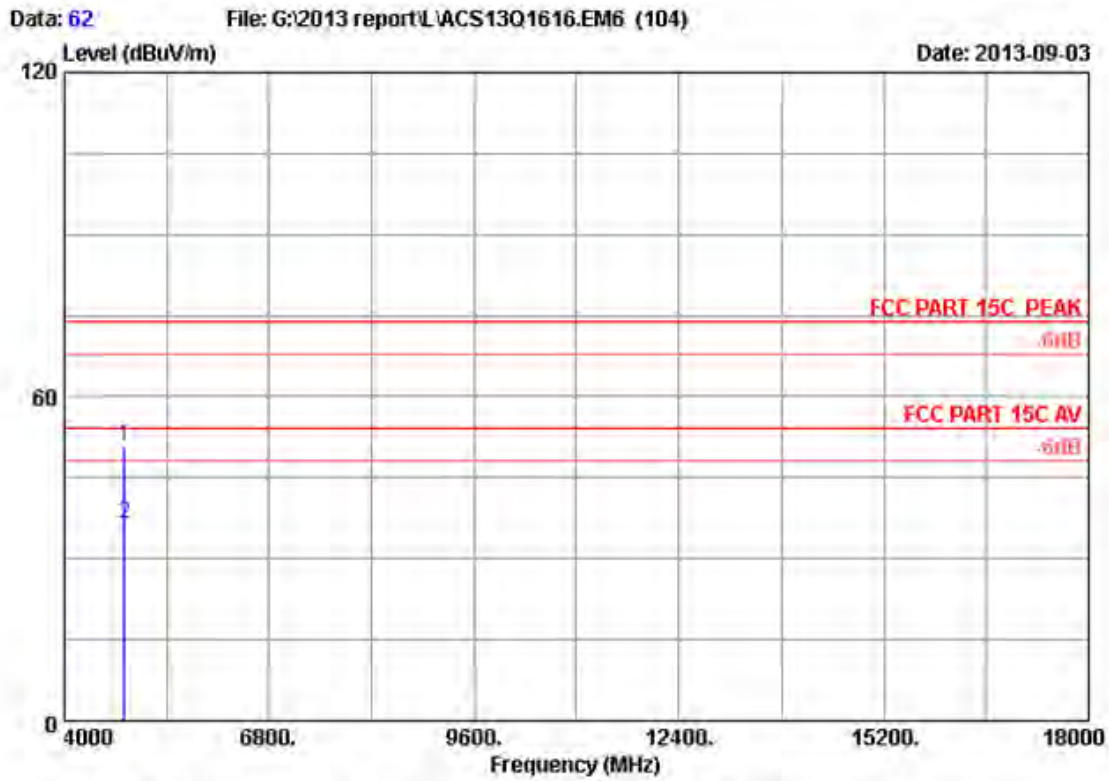
Site no. : 3m Chamber Data no. : 60
Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : HORIZONTAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23*C/54% Engineer : leo-Li
EUT : Ultrathin Wireless Router
Power supply : DC 5V From PC Input AC 120V/60Hz
Test mode : IEEE802.11nHT20 CH1 2412MHz Tx
R100

	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	4824.000	32.51	8.58	35.70	44.73	50.12	74.00	23.88	Peak
2	4824.000	32.51	8.58	35.70	30.41	35.80	54.00	18.20	Average

Remarks:
1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.



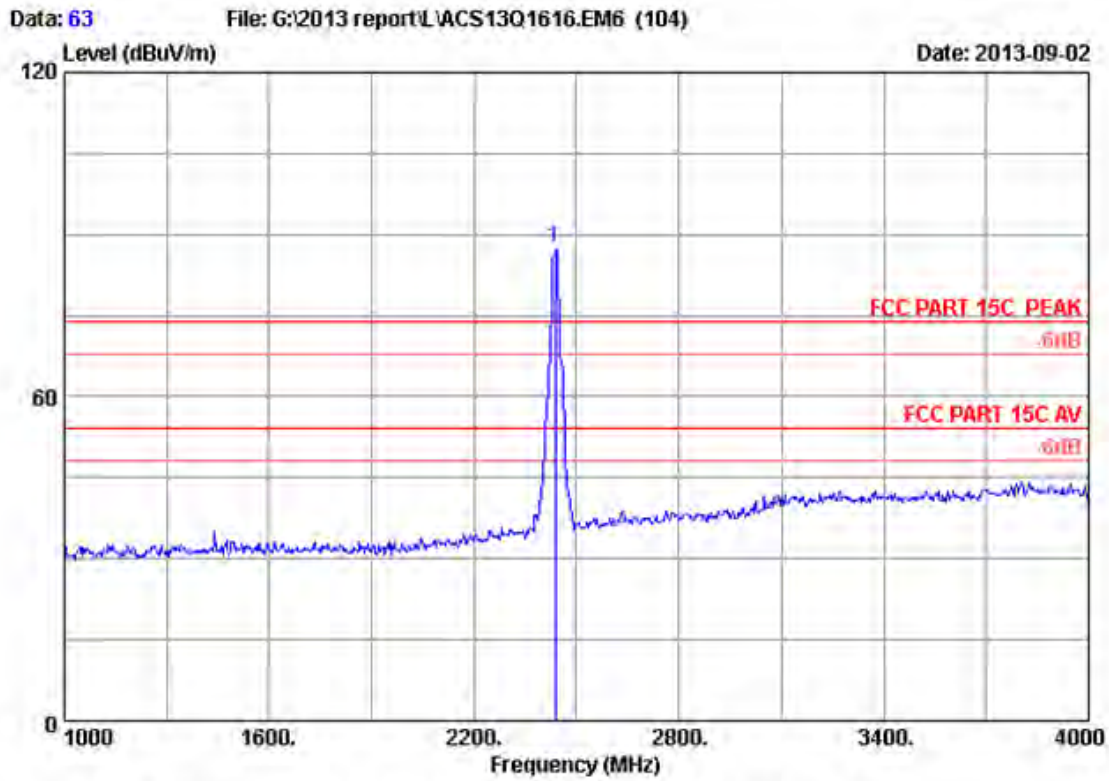
Site no.	: 3m Chamber	Data no.	: 61
Dis. / Ant.	: 3m 2012 3115 (4580)	Ant. pol.	: VERTICAL
Limit	: FCC PART 15C PEAK		
Env. / Ins.	: 23*C/54%	Engineer	: leo-Li
EUT	: Ultrathin Wireless Router		
Power supply	: DC 5V From PC Input AC 120V/60Hz		
Test mode	: IEEE802.11nHT20 CH1 2412MHz Tx R100		



Site no. : 3m Chamber Data no. : 62
Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : VERTICAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23*C/54% Engineer : leo-Li
EUT : Ultrathin Wireless Router
Power supply : DC 5V From PC Input AC 120V/60Hz
Test mode : IEEE802.11nHT20 CH1 2412MHz Tx
R100

	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	4824.000	32.51	8.58	35.70	45.33	50.72	74.00	23.28	Peak
2	4824.000	32.51	8.58	35.70	31.12	36.51	54.00	17.49	Average

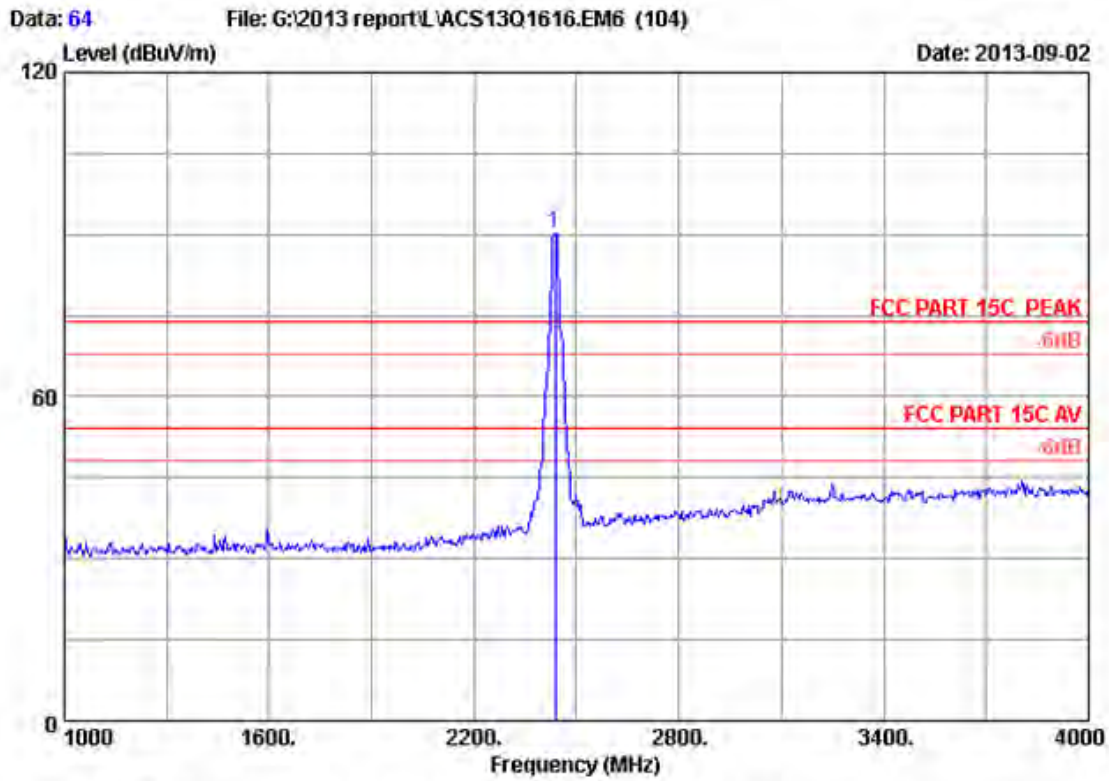
Remarks:
1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 63
Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : HORIZONTAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23*C/54% Engineer : Leo-Li
EUT : Ultrathin Wireless Router
Power supply : DC 5V From PC Input AC 120V/60Hz
Test mode : IEEE802.11nHT20 2437MHz Tx Mode
R100

	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2437.000	27.00	5.85	35.70	90.47	87.62	74.00	-13.62	Peak

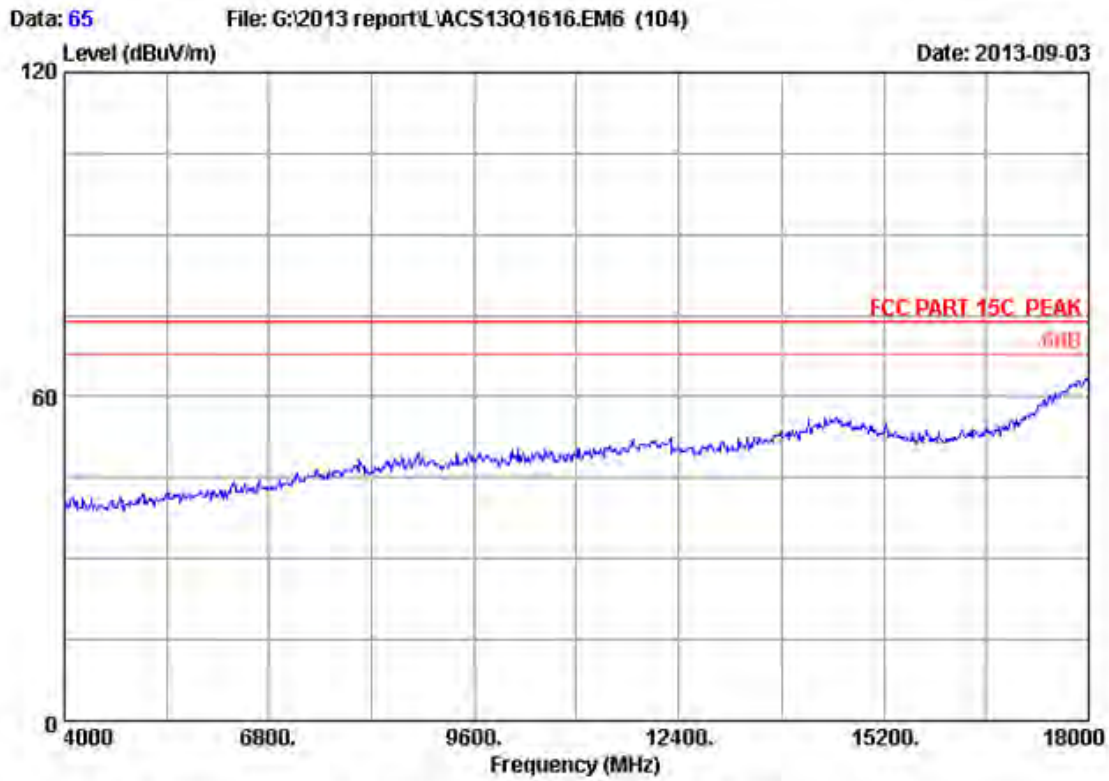
Remarks:
1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.



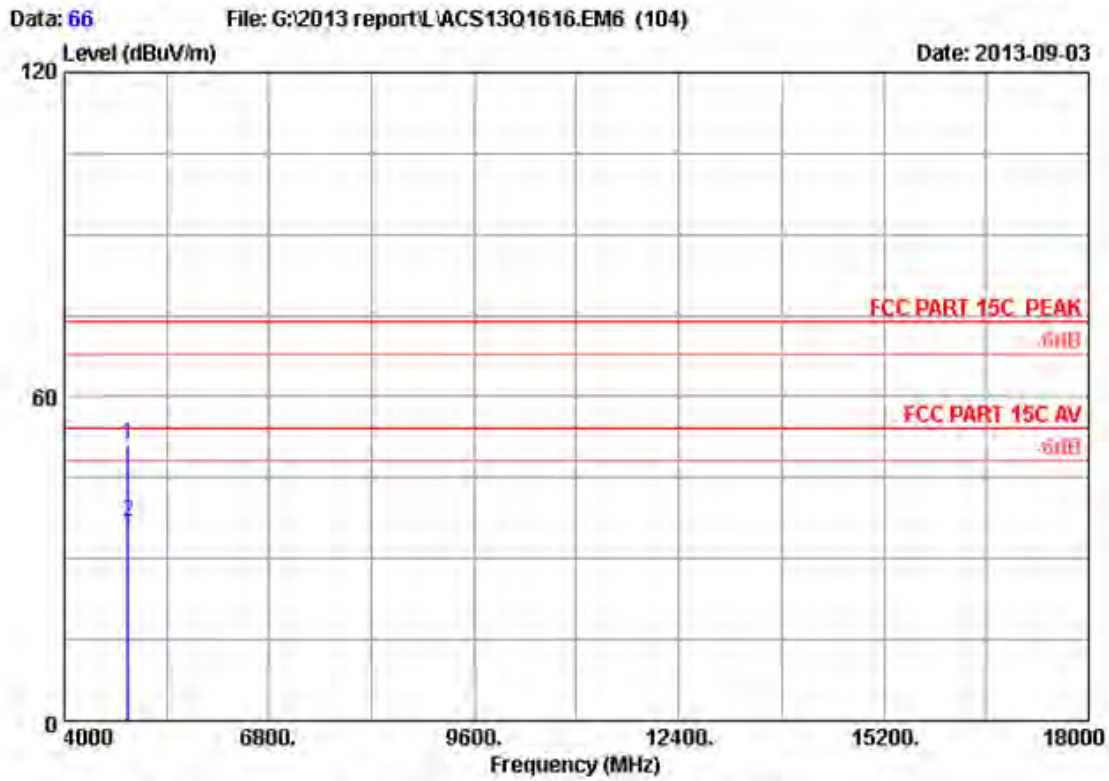
Site no. : 3m Chamber Data no. : 64
Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : VERTICAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23*C/54% Engineer : Leo-Li
EUT : Ultrathin Wireless Router
Power supply : DC 5V From PC Input AC 120V/60Hz
Test mode : IEEE802.11nHT20 2437MHz Tx Mode
R100

	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2437.000	27.00	5.85	35.70	93.06	90.21	74.00	-16.21	Peak

Remarks:
1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.



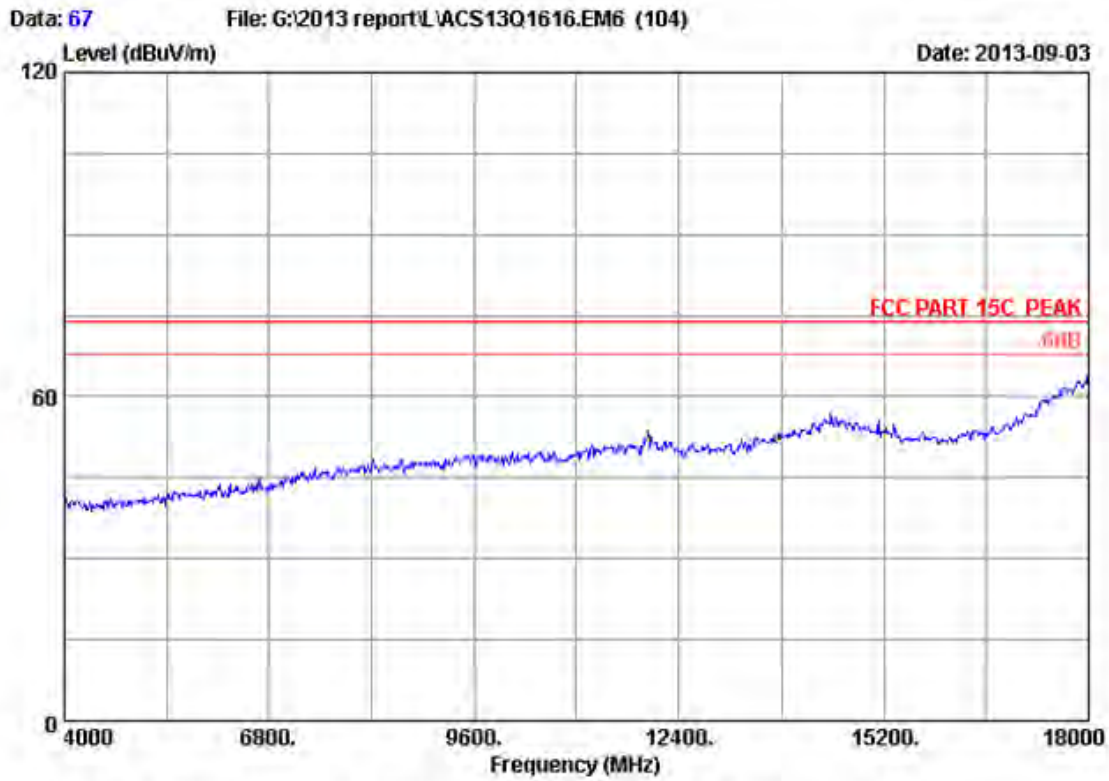
Site no.	: 3m Chamber	Data no.	: 65
Dis. / Ant.	: 3m 2012 3115 (4580)	Ant. pol.	: VERTICAL
Limit	: FCC PART 15C PEAK		
Env. / Ins.	: 23*C/54%	Engineer	: leo-Li
EUT	: Ultrathin Wireless Router		
Power supply	: DC 5V From PC Input AC 120V/60Hz		
Test mode	: IEEE802.11nHT20 CH6 2437MHz Tx R100		



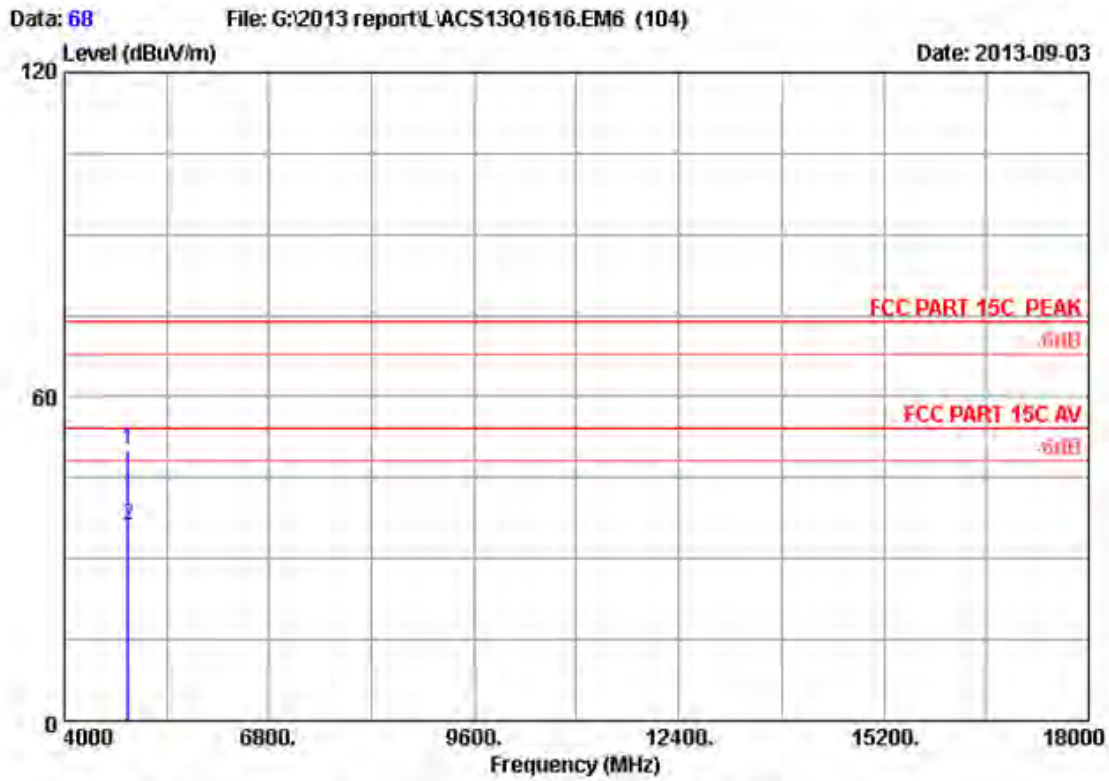
Site no. : 3m Chamber Data no. : 66
Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : VERTICAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23*C/54% Engineer : leo-Li
EUT : Ultrathin Wireless Router
Power supply : DC 5V From PC Input AC 120V/60Hz
Test mode : IEEE802.11nHT20 CH6 2437MHz Tx
R100

	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	4874.000	32.62	8.63	35.70	45.49	51.04	74.00	22.96	Peak
2	4874.000	32.62	8.63	35.70	31.10	36.65	54.00	17.35	Average

Remarks:
1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.



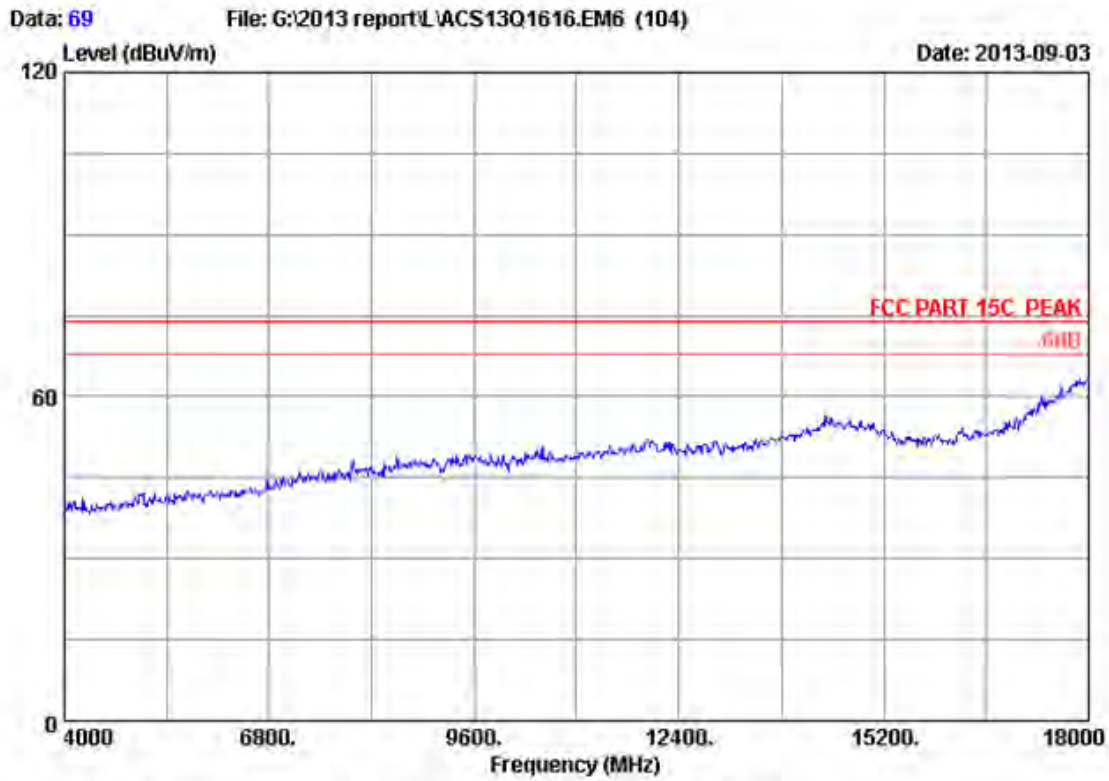
Site no.	: 3m Chamber	Data no.	: 67
Dis. / Ant.	: 3m 2012 3115 (4580)	Ant. pol.	: HORIZONTAL
Limit	: FCC PART 15C PEAK		
Env. / Ins.	: 23*C/54%	Engineer	: leo-Li
EUT	: Ultrathin Wireless Router		
Power supply	: DC 5V From PC Input AC 120V/60Hz		
Test mode	: IEEE802.11nHT20 CH6 2437MHz Tx R100		



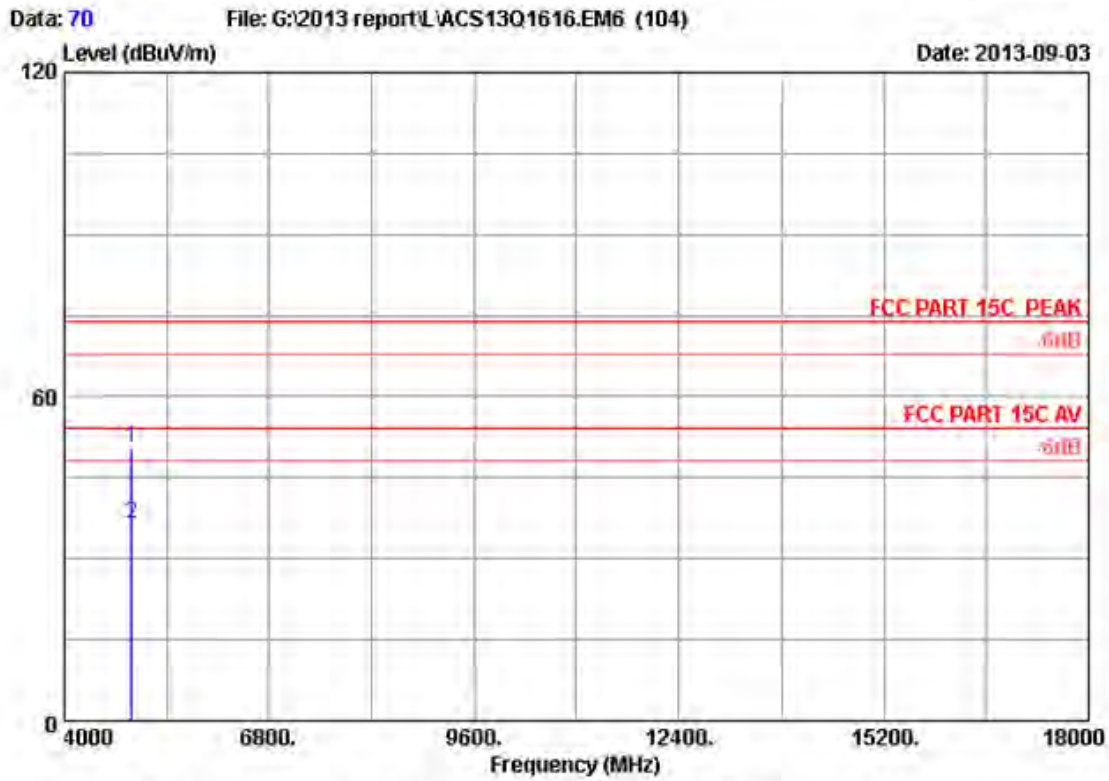
Site no. : 3m Chamber Data no. : 68
Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : HORIZONTAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23*C/54% Engineer : leo-Li
EUT : Ultrathin Wireless Router
Power supply : DC 5V From PC Input AC 120V/60Hz
Test mode : IEEE802.11nHT20 CH6 2437MHz Tx R100

	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	4874.000	32.62	8.63	35.70	44.69	50.24	74.00	23.76	Peak
2	4874.000	32.62	8.63	35.70	30.48	36.03	54.00	17.97	Average

Remarks:
1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.



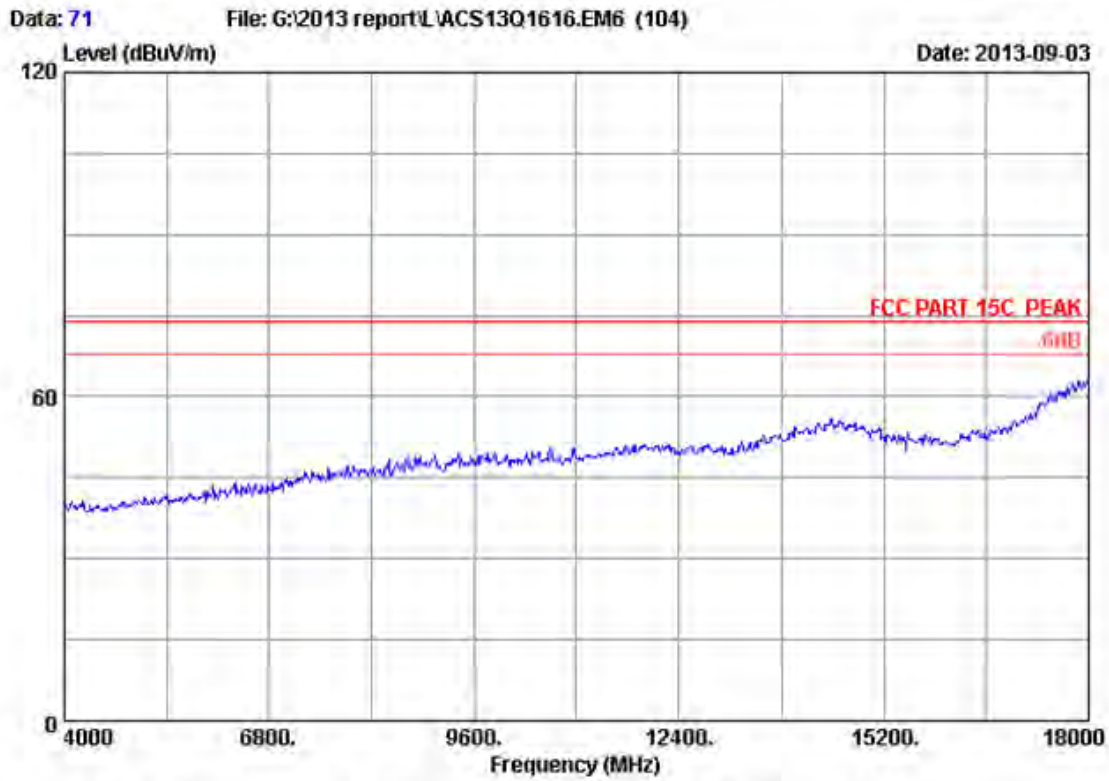
Site no.	: 3m Chamber	Data no.	: 69
Dis. / Ant.	: 3m 2012 3115 (4580)	Ant. pol.	: HORIZONTAL
Limit	: FCC PART 15C PEAK		
Env. / Ins.	: 23*C/54%	Engineer	: leo-Li
EUT	: Ultrathin Wireless Router		
Power supply	: DC 5V From PC Input AC 120V/60Hz		
Test mode	: IEEE802.11nHT20 CH11 2462MHz Tx R100		



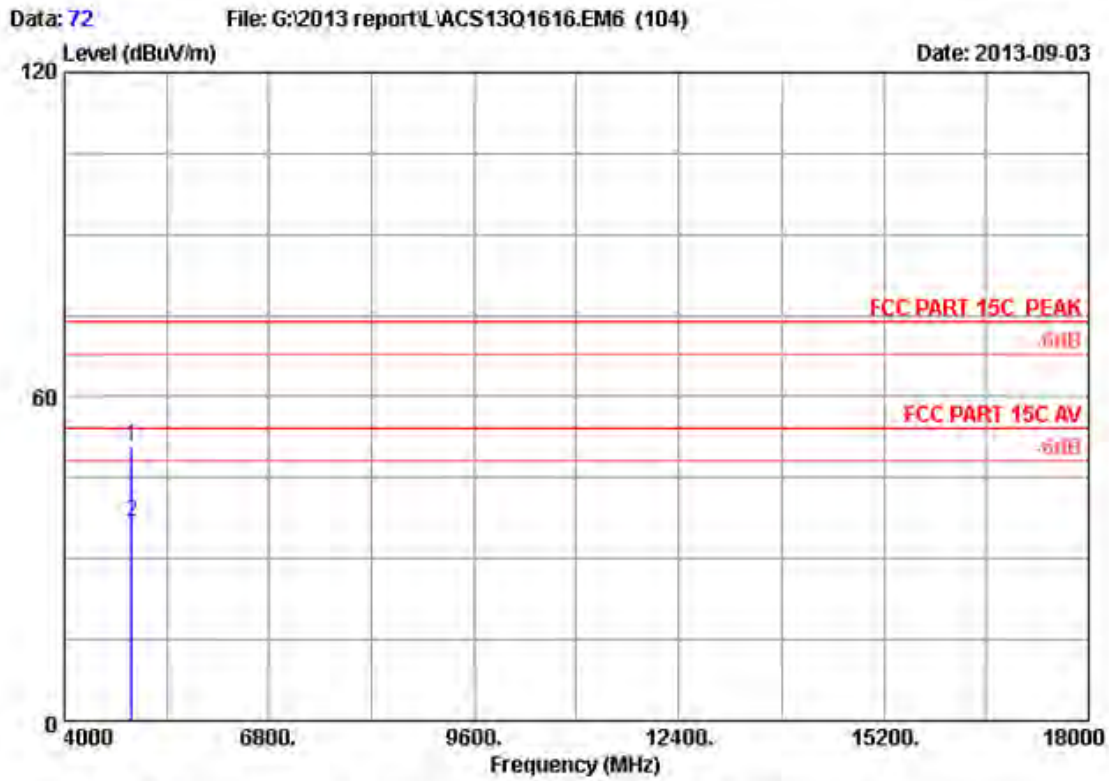
Site no. : 3m Chamber Data no. : 70
Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : HORIZONTAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23*C/54% Engineer : leo-Li
EUT : Ultrathin Wireless Router
Power supply : DC 5V From PC Input AC 120V/60Hz
Test mode : IEEE802.11nHT20 CH11 2462MHz Tx R100

	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	4924.000	32.73	8.69	35.70	44.81	50.53	74.00	23.47	Peak
2	4924.000	32.73	8.69	35.70	30.55	36.27	54.00	17.73	Average

Remarks:
1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.



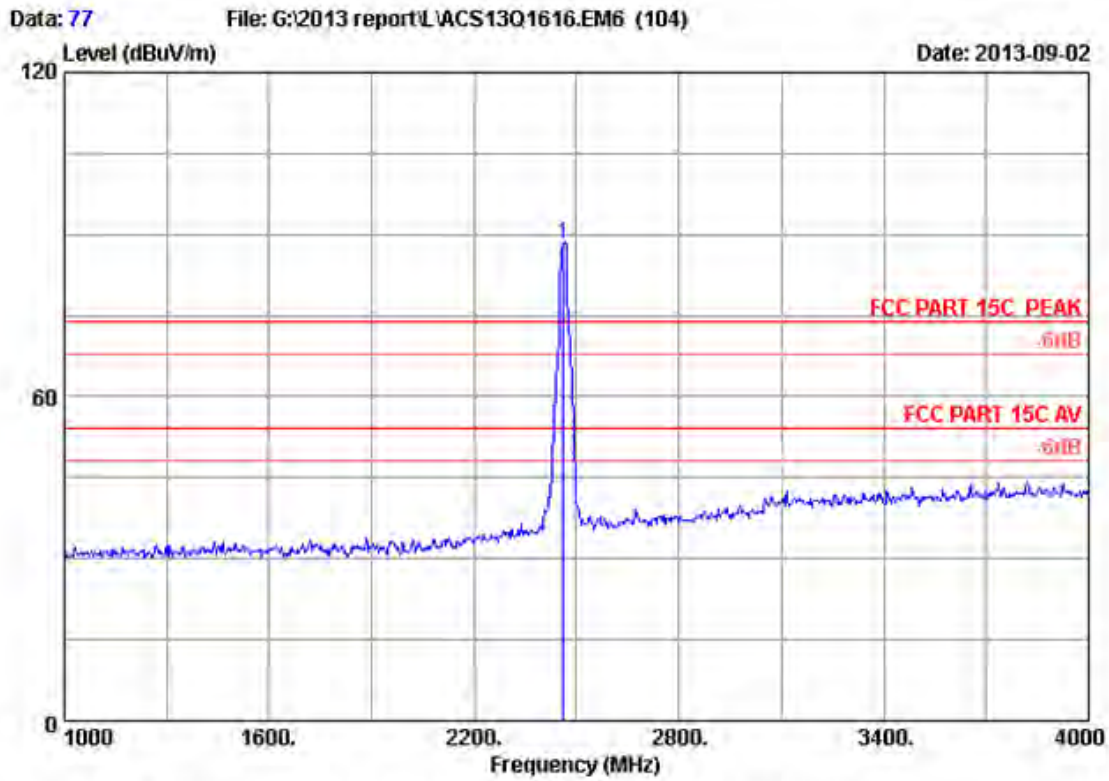
Site no.	: 3m Chamber	Data no.	: 71
Dis. / Ant.	: 3m 2012 3115 (4580)	Ant. pol.	: VERTICAL
Limit	: FCC PART 15C PEAK		
Env. / Ins.	: 23*C/54%	Engineer	: leo-Li
EUT	: Ultrathin Wireless Router		
Power supply	: DC 5V From PC Input AC 120V/60Hz		
Test mode	: IEEE802.11nHT20 CH11 2462MHz Tx R100		



Site no. : 3m Chamber Data no. : 72
Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : VERTICAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23*C/54% Engineer : leo-Li
EUT : Ultrathin Wireless Router
Power supply : DC 5V From PC Input AC 120V/60Hz
Test mode : IEEE802.11nHT20 CH11 2462MHz Tx R100

	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	4924.000	32.73	8.69	35.70	45.13	50.85	74.00	23.15	Peak
2	4924.000	32.73	8.69	35.70	30.98	36.70	54.00	17.30	Average

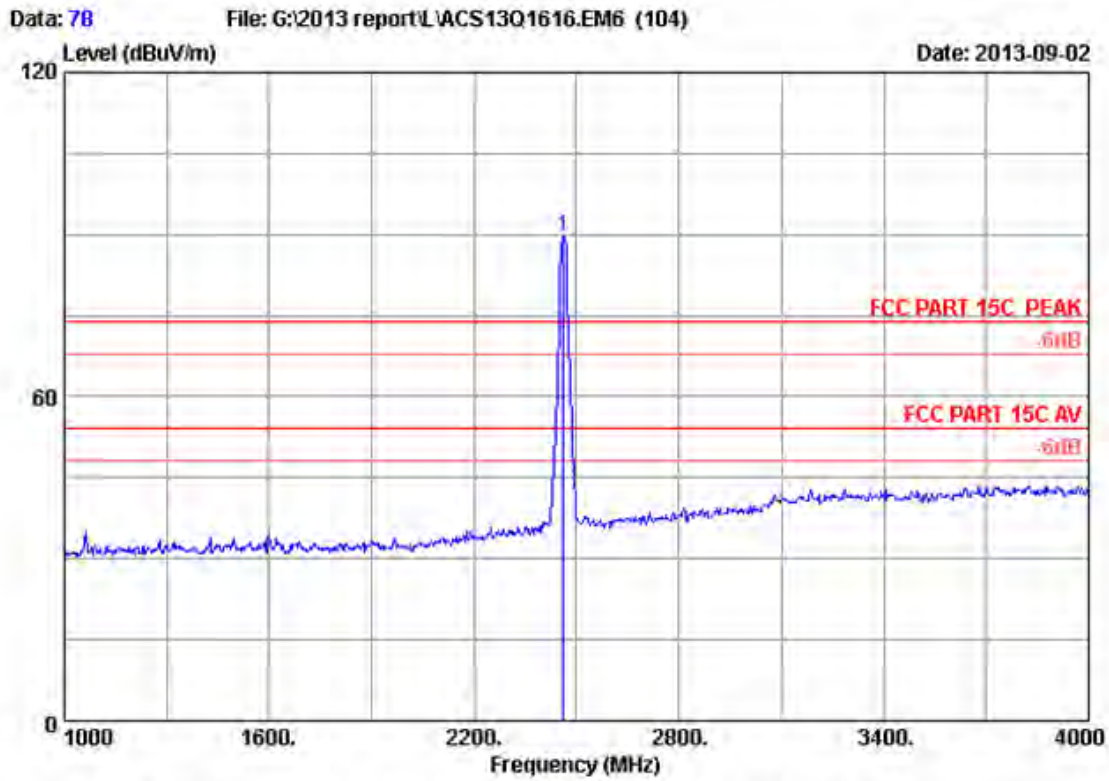
Remarks:
1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 77
Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : HORIZONTAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23*C/54% Engineer : Leo-Li
EUT : Ultrathin Wireless Router
Power supply : DC 5V From PC Input AC 120V/60Hz
Test mode : IEEE802.11nHT20 2462MHz Tx Mode
R100

	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2462.000	27.16	5.89	35.70	91.00	88.35	74.00	-14.35	Peak

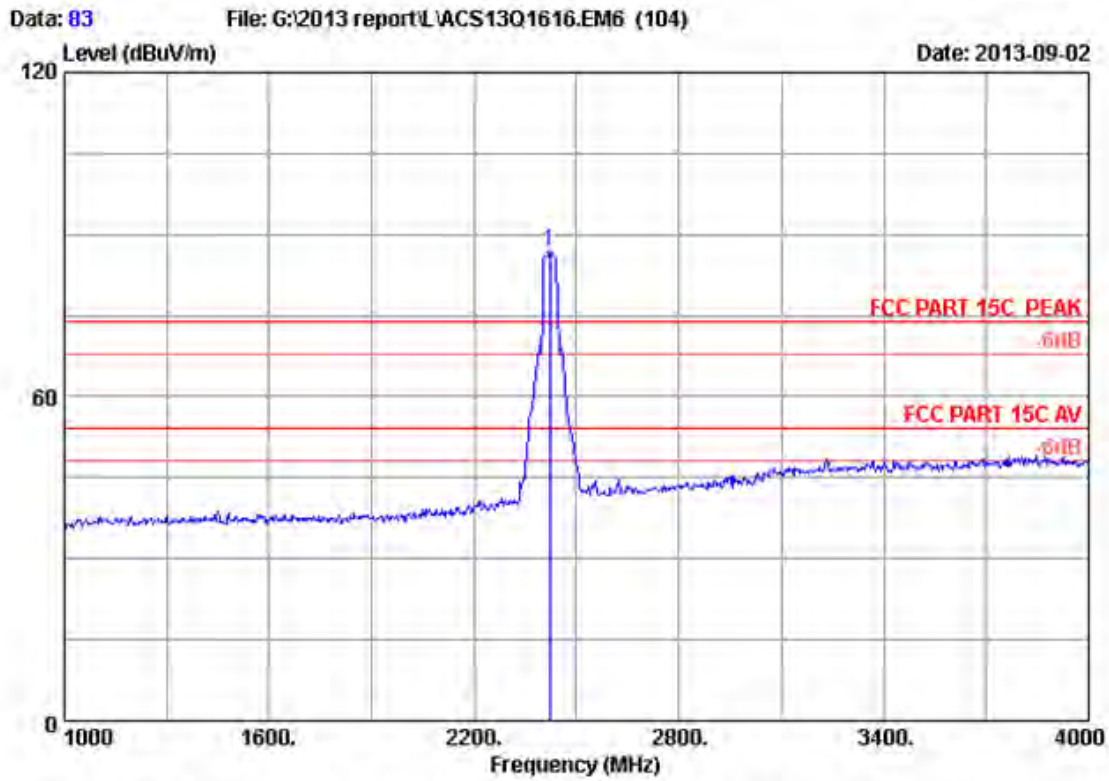
Remarks:
1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 78
Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : VERTICAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23*C/54% Engineer : Leo-Li
EUT : Ultrathin Wireless Router
Power supply : DC 5V From PC Input AC 120V/60Hz
Test mode : IEEE802.11nHT20 2462MHz Tx Mode
R100

	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2461.000	27.15	5.89	35.70	92.22	89.56	74.00	-15.56	Peak

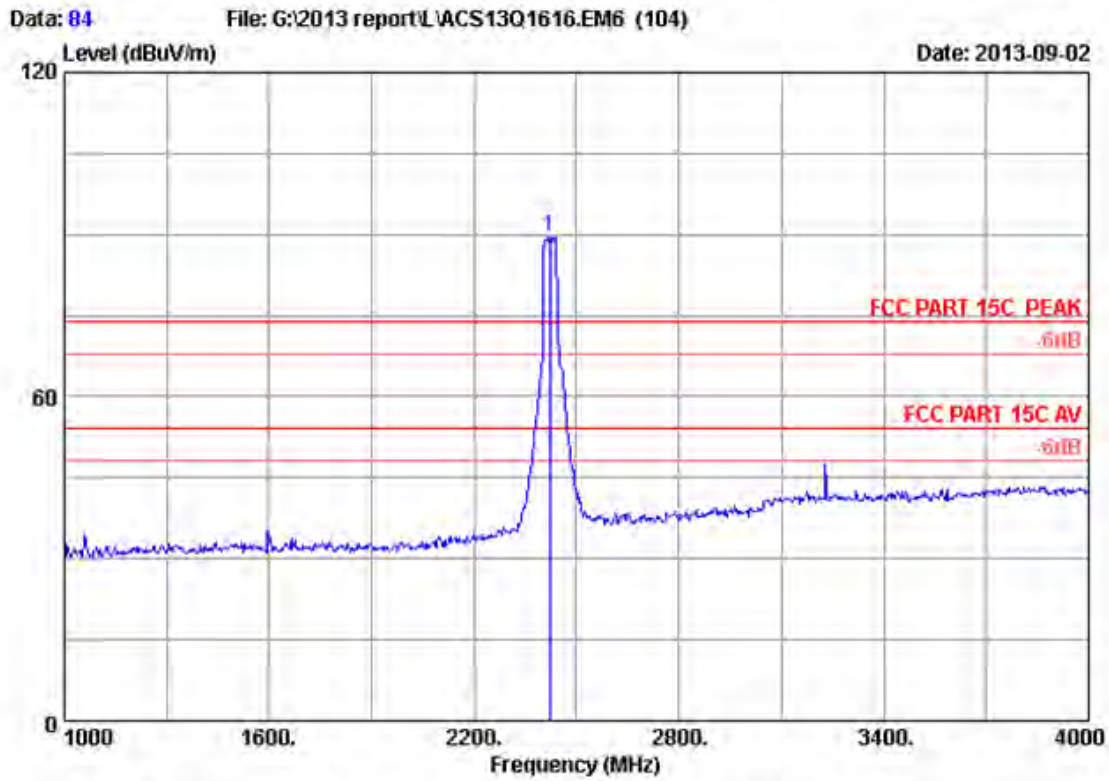
Remarks:
1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 83
Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : HORIZONTAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23*C/54% Engineer : Leo-Li
EUT : Ultrathin Wireless Router
Power supply : DC 5V From PC Input AC 120V/60Hz
Test mode : IEEE802.11nHT40 2422MHz Tx Mode
R100

	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2422.000	26.90	5.83	35.70	89.78	86.81	74.00	-12.81	Peak

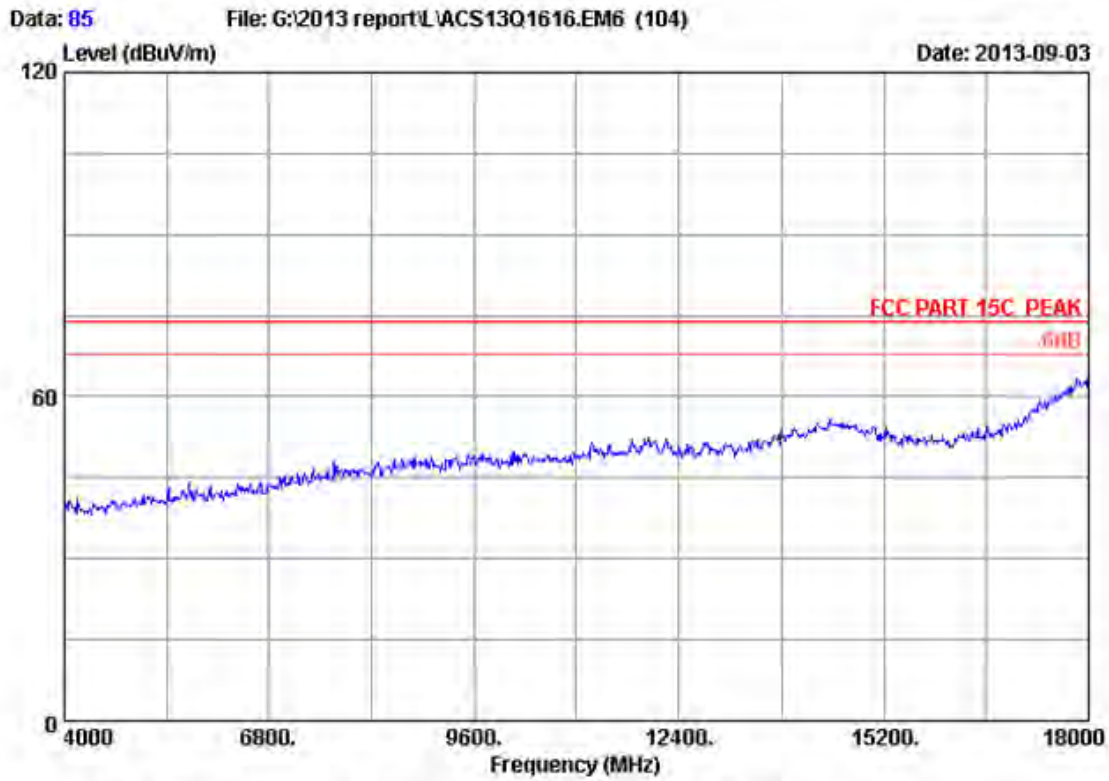
Remarks:
1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.



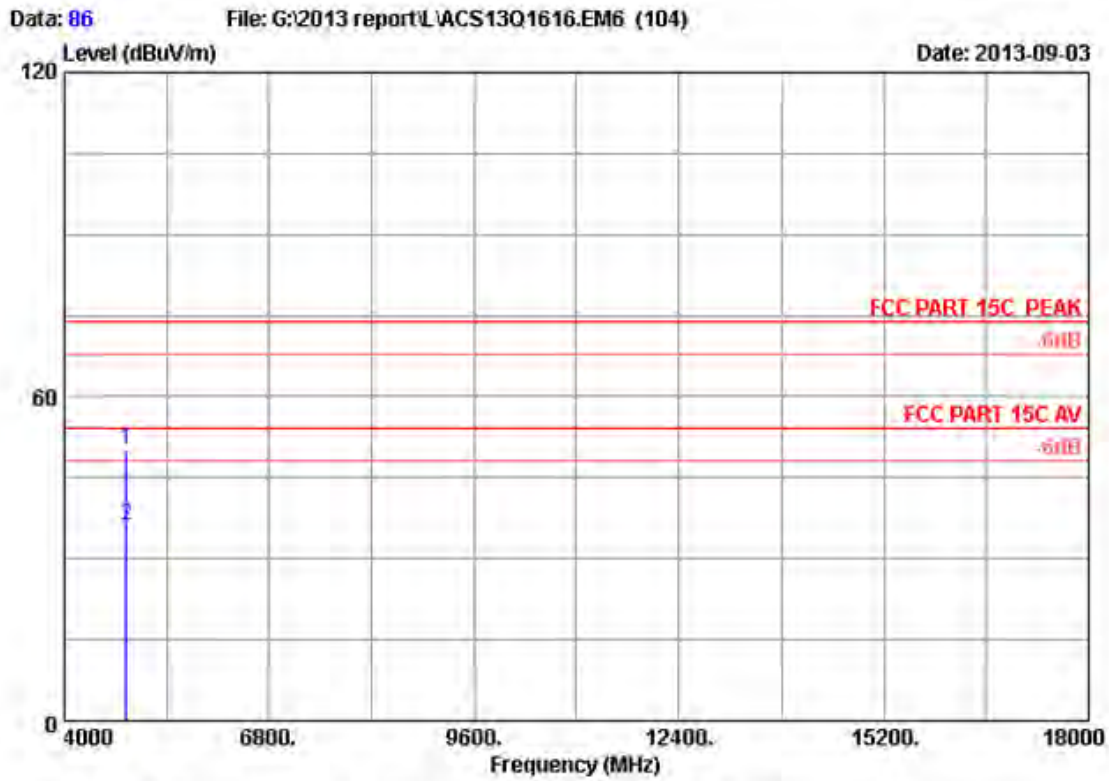
Site no. : 3m Chamber Data no. : 84
Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : VERTICAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23*C/54% Engineer : Leo-Li
EUT : Ultrathin Wireless Router
Power supply : DC 5V From PC Input AC 120V/60Hz
Test mode : IEEE802.11nHT40 2422MHz Tx Mode
R100

	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2422.000	26.90	5.83	35.70	92.63	89.66	74.00	-15.66	Peak

Remarks:
1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.



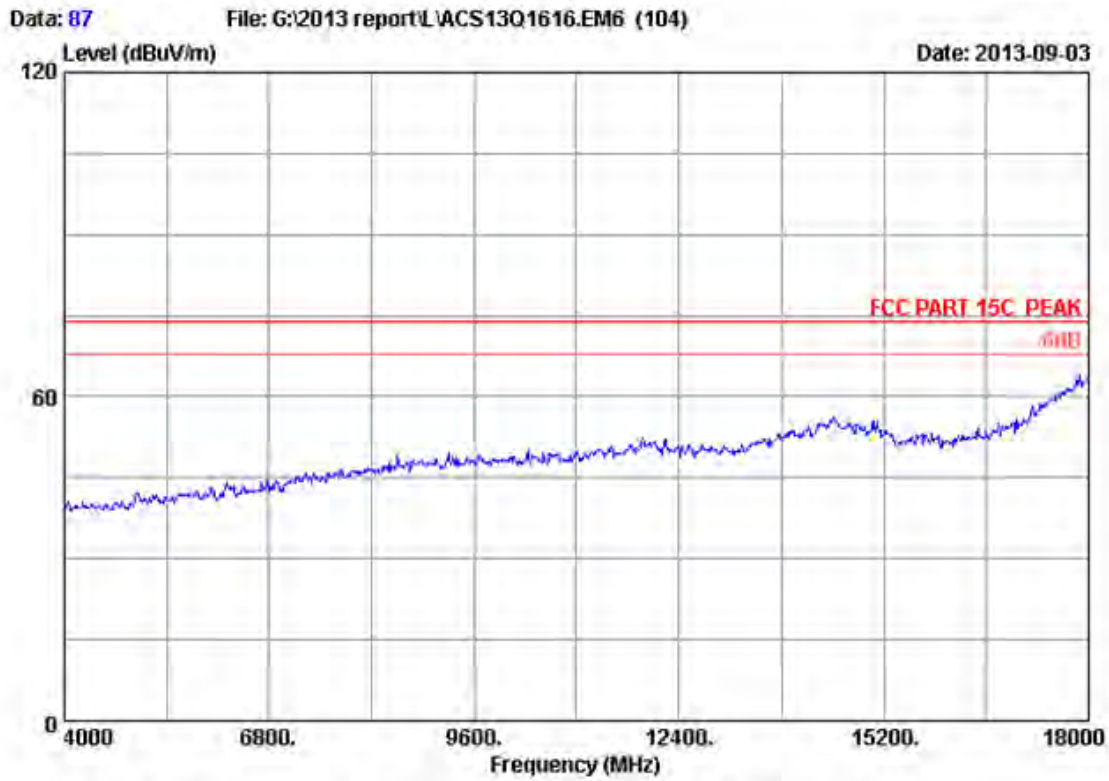
Site no.	: 3m Chamber	Data no.	: 85
Dis. / Ant.	: 3m 2012 3115 (4580)	Ant. pol.	: VERTICAL
Limit	: FCC PART 15C PEAK		
Env. / Ins.	: 23*C/54%	Engineer	: leo-Li
EUT	: Ultrathin Wireless Router		
Power supply	: DC 5V From PC Input AC 120V/60Hz		
Test mode	: IEEE802.11nHT40 CH1 2422MHz Tx R100		



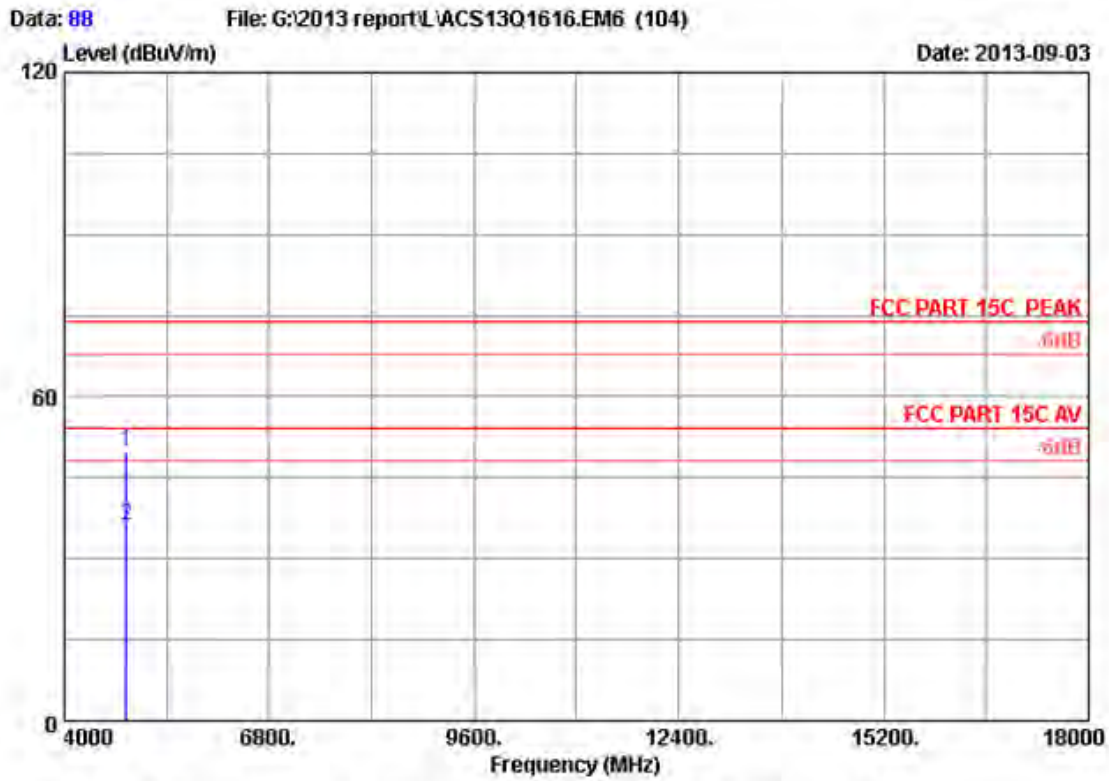
Site no. : 3m Chamber Data no. : 86
Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : VERTICAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23*C/54% Engineer : leo-Li
EUT : Ultrathin Wireless Router
Power supply : DC 5V From PC Input AC 120V/60Hz
Test mode : IEEE802.11nHT40 CH1 2422MHz Tx
R100

	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	4844.000	32.56	8.60	35.70	44.83	50.29	74.00	23.71	Peak
2	4844.000	32.56	8.60	35.70	30.75	36.21	54.00	17.79	Average

Remarks:
1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.



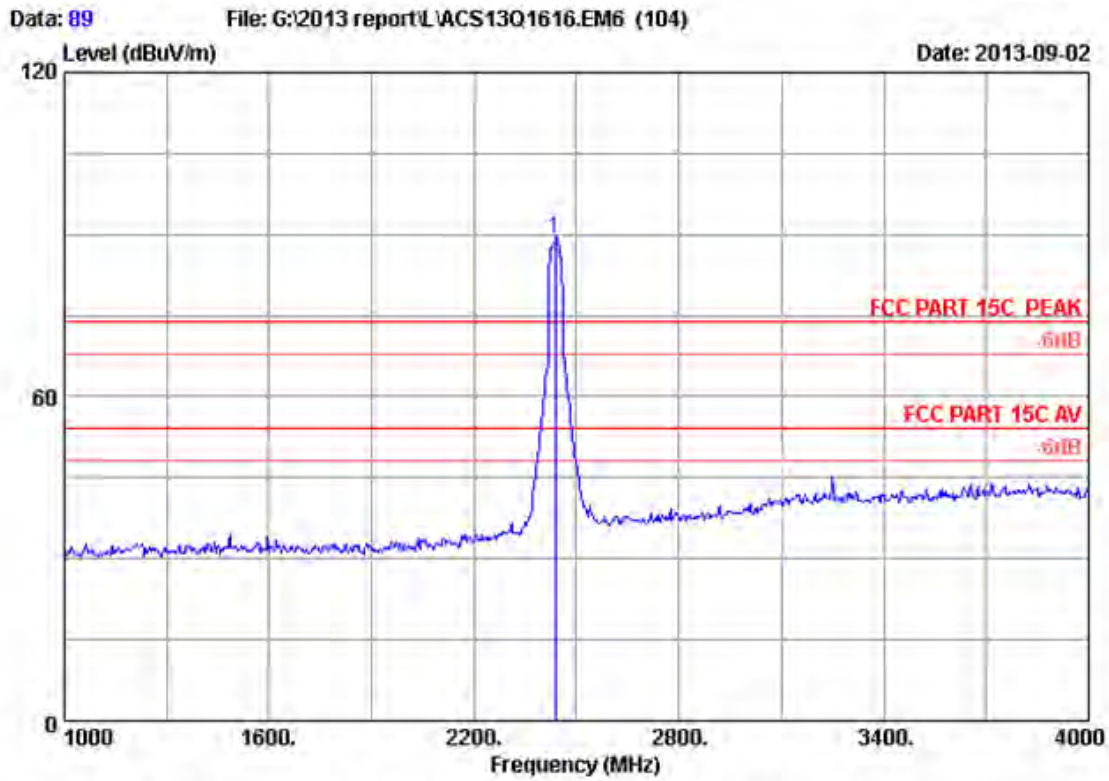
Site no.	: 3m Chamber	Data no.	: 87
Dis. / Ant.	: 3m 2012 3115 (4580)	Ant. pol.	: HORIZONTAL
Limit	: FCC PART 15C PEAK		
Env. / Ins.	: 23*C/54%	Engineer	: leo-Li
EUT	: Ultrathin Wireless Router		
Power supply	: DC 5V From PC Input AC 120V/60Hz		
Test mode	: IEEE802.11nHT40 CH1 2422MHz Tx R100		



Site no. : 3m Chamber Data no. : 88
Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : HORIZONTAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23*C/54% Engineer : leo-Li
EUT : Ultrathin Wireless Router
Power supply : DC 5V From PC Input AC 120V/60Hz
Test mode : IEEE802.11nHT40 CH1 2422MHz Tx R100

	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	4844.000	32.56	8.60	35.70	44.38	49.84	74.00	24.16	Peak
2	4844.000	32.56	8.60	35.70	30.51	35.97	54.00	18.03	Average

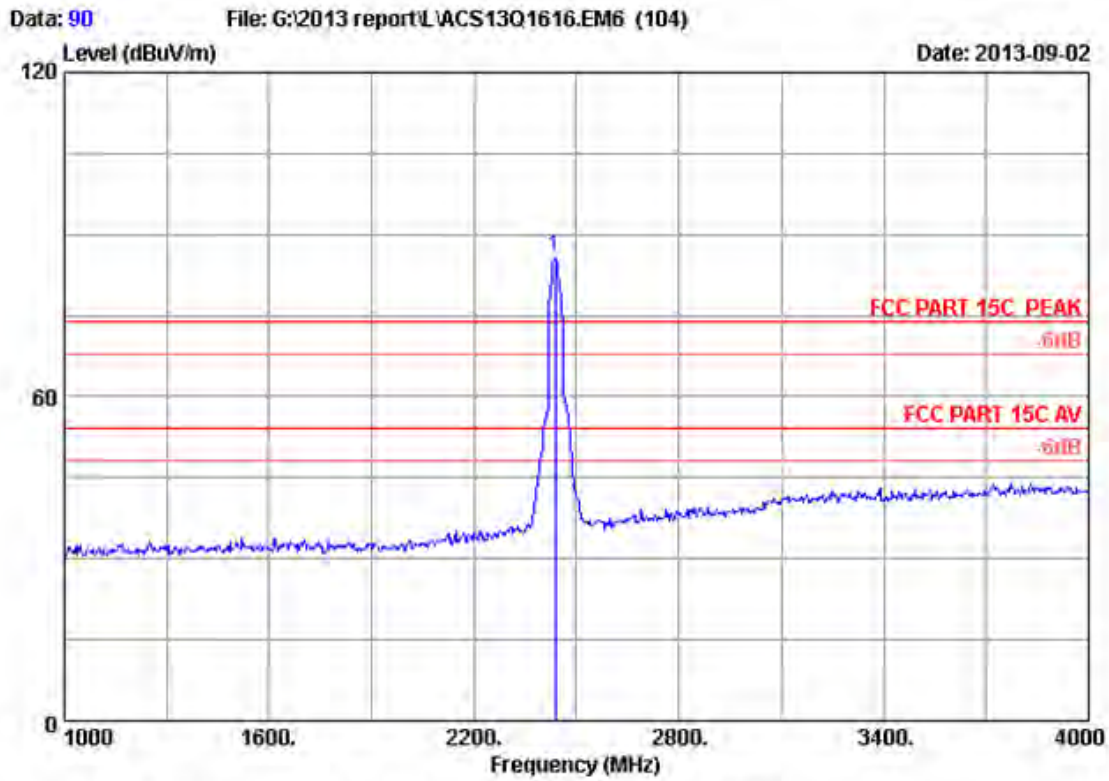
Remarks:
1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 89
Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : VERTICAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23*C/54% Engineer : Leo-Li
EUT : Ultrathin Wireless Router
Power supply : DC 5V From PC Input AC 120V/60Hz
Test mode : IEEE802.11nHT40 2437MHz Tx Mode
R100

	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2437.000	27.00	5.85	35.70	92.15	89.30	74.00	-15.30	Peak

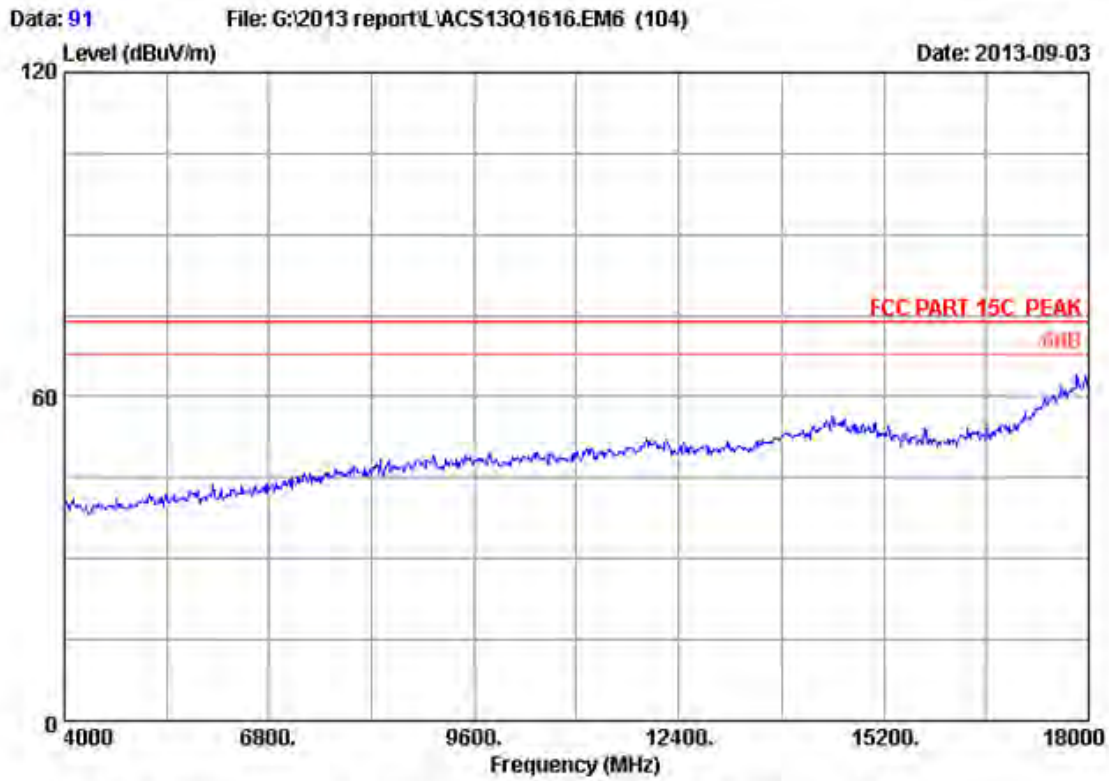
Remarks:
1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.



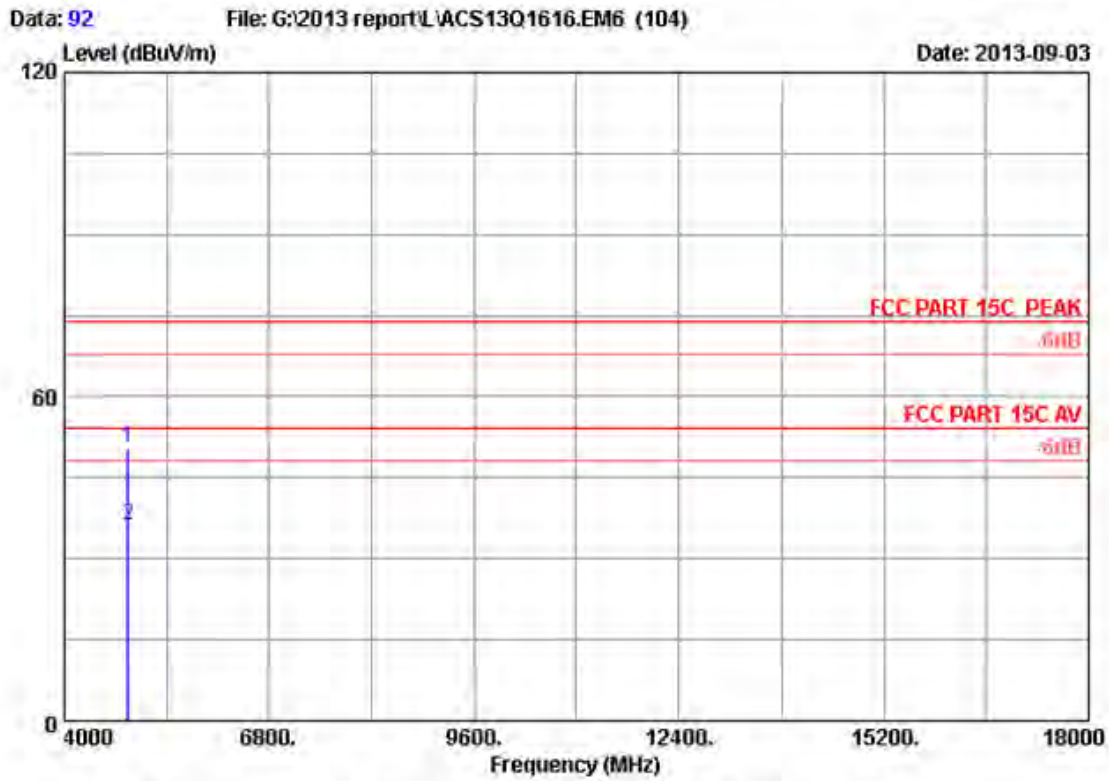
Site no. : 3m Chamber Data no. : 90
Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : HORIZONTAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23*C/54% Engineer : Leo-Li
EUT : Ultrathin Wireless Router
Power supply : DC 5V From PC Input AC 120V/60Hz
Test mode : IEEE802.11nHT40 2437MHz Tx Mode
R100

	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2437.000	27.00	5.85	35.70	88.71	85.86	74.00	-11.86	Peak

Remarks:
1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.



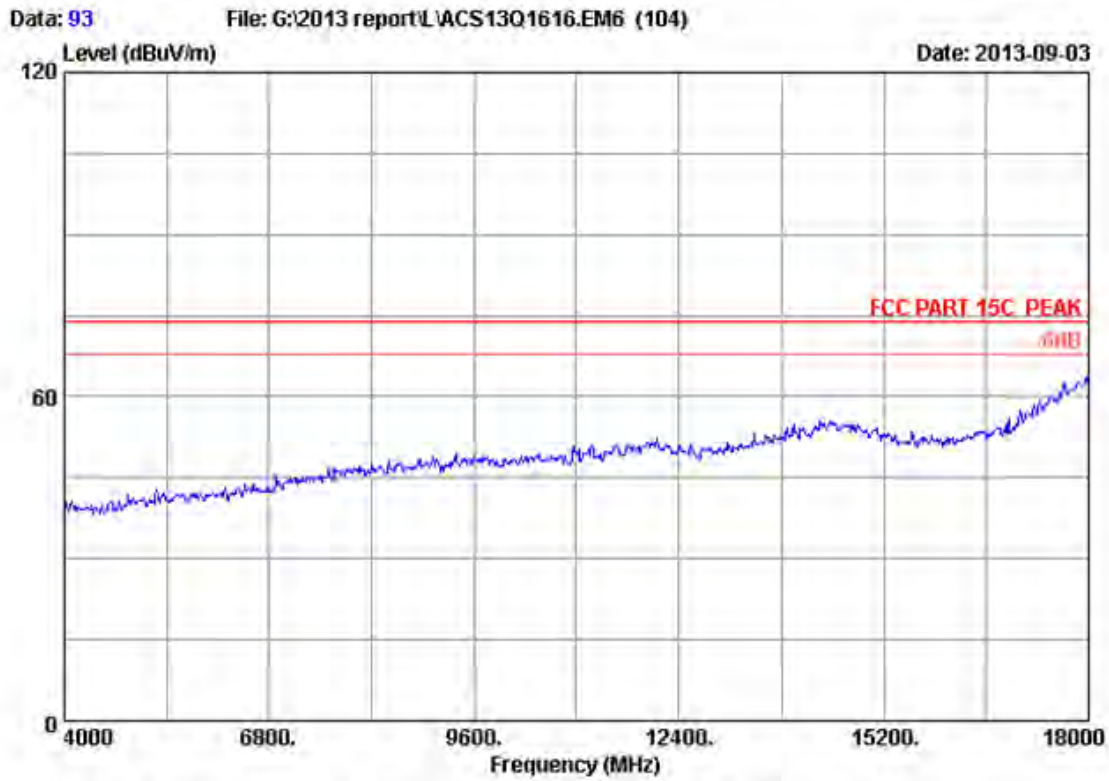
Site no.	: 3m Chamber	Data no.	: 91
Dis. / Ant.	: 3m 2012 3115 (4580)	Ant. pol.	: HORIZONTAL
Limit	: FCC PART 15C PEAK		
Env. / Ins.	: 23*C/54%	Engineer	: leo-Li
EUT	: Ultrathin Wireless Router		
Power supply	: DC 5V From PC Input AC 120V/60Hz		
Test mode	: IEEE802.11nHT40 CH4 2437MHz Tx R100		



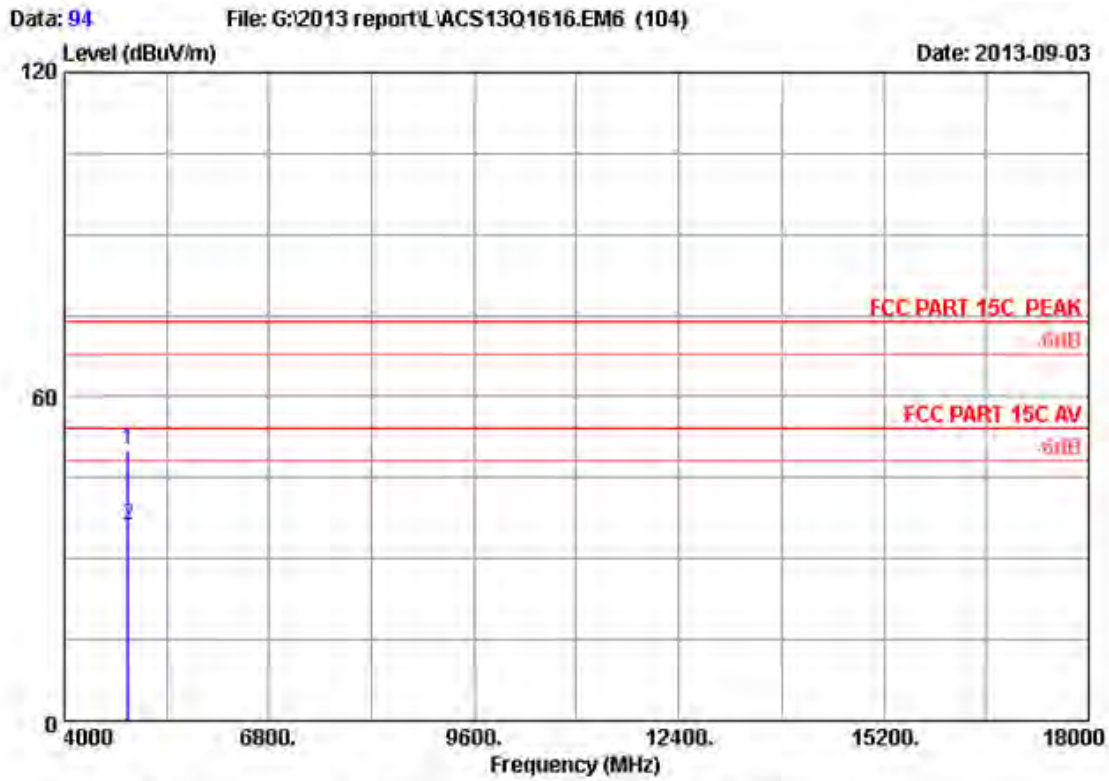
Site no. : 3m Chamber Data no. : 92
Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : HORIZONTAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23*C/54% Engineer : leo-Li
EUT : Ultrathin Wireless Router
Power supply : DC 5V From PC Input AC 120V/60Hz
Test mode : IEEE802.11nHT40 CH4 2437MHz Tx R100

	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	4874.000	32.62	8.63	35.70	44.79	50.34	74.00	23.66	Peak
2	4874.000	32.62	8.63	35.70	30.60	36.15	54.00	17.85	Average

Remarks:
1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.



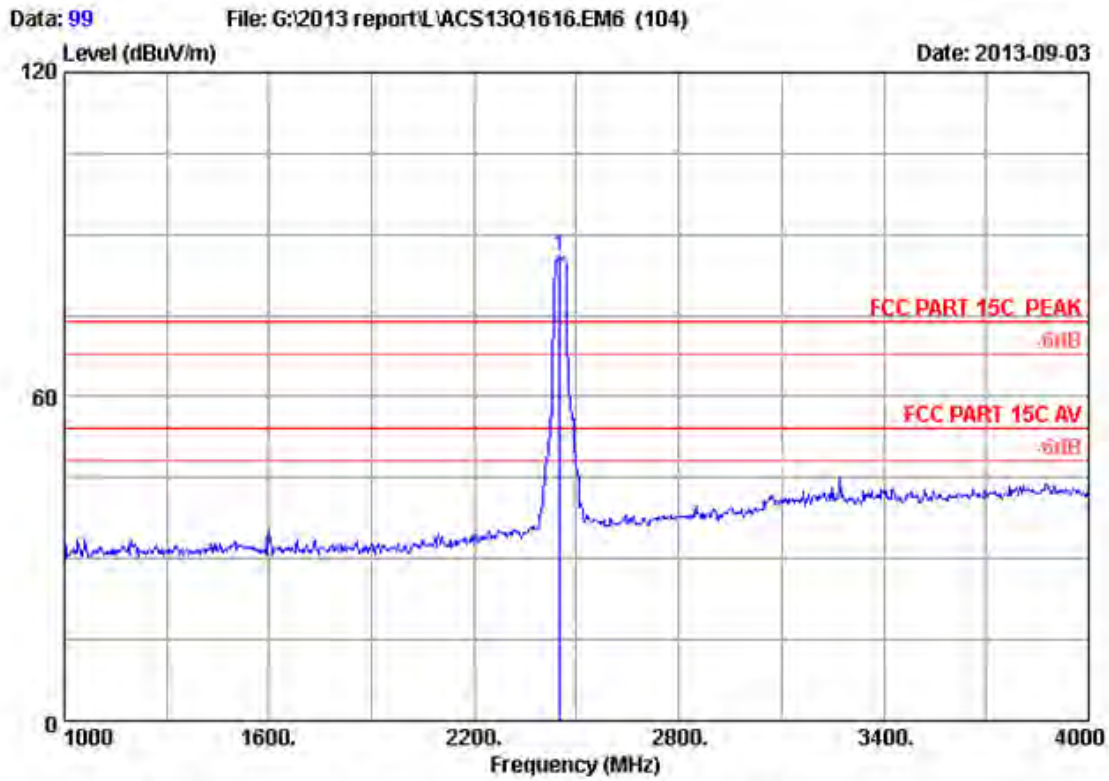
Site no.	: 3m Chamber	Data no.	: 93
Dis. / Ant.	: 3m 2012 3115 (4580)	Ant. pol.	: VERTICAL
Limit	: FCC PART 15C PEAK		
Env. / Ins.	: 23*C/54%	Engineer	: leo-Li
EUT	: Ultrathin Wireless Router		
Power supply	: DC 5V From PC Input AC 120V/60Hz		
Test mode	: IEEE802.11nHT40 CH4 2437MHz Tx R100		



Site no. : 3m Chamber Data no. : 94
Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : VERTICAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23*C/54% Engineer : leo-Li
EUT : Ultrathin Wireless Router
Power supply : DC 5V From PC Input AC 120V/60Hz
Test mode : IEEE802.11nHT40 CH4 2437MHz Tx R100

	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	4874.000	32.62	8.63	35.70	44.70	50.25	74.00	23.75	Peak
2	4874.000	32.62	8.63	35.70	30.52	36.07	54.00	17.93	Average

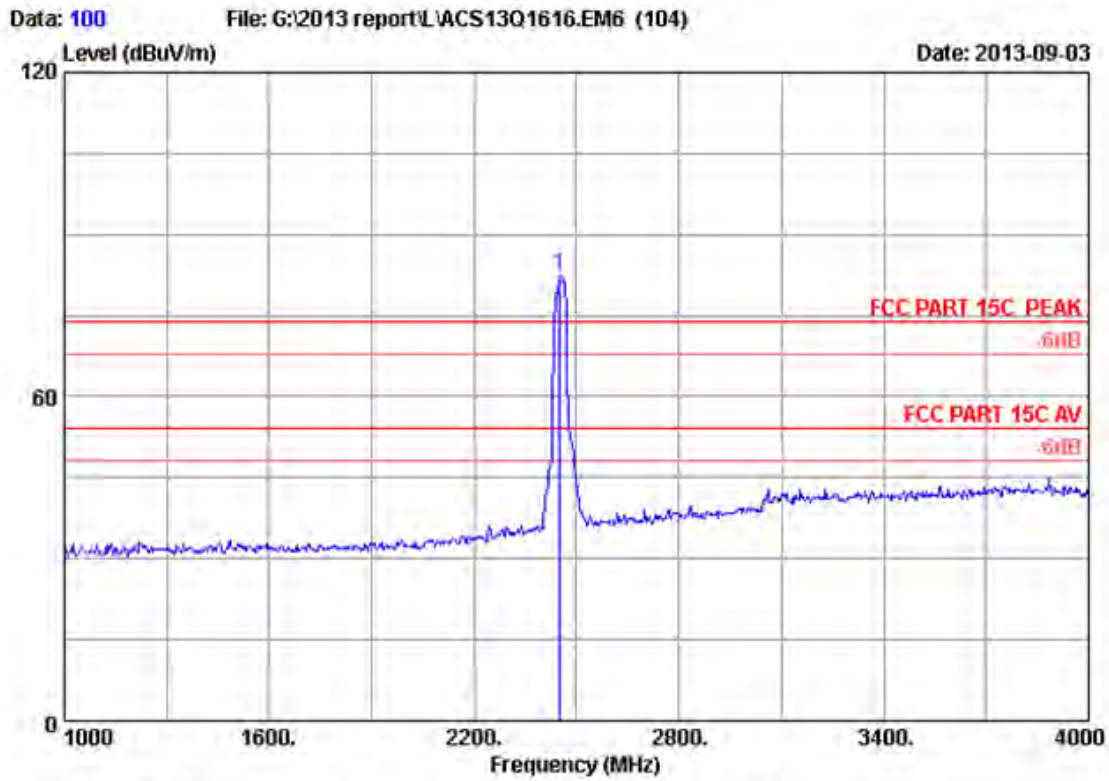
Remarks:
1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 99
Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : VERTICAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23*C/54% Engineer : Leo-Li
EUT : Ultrathin Wireless Router
Power supply : DC 5V From PC Input AC 120V/60Hz
Test mode : IEEE802.11nHT40 2452MHz Tx Mode
R100

	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2452.000	27.09	5.87	35.70	88.73	85.99	74.00	-11.99	Peak

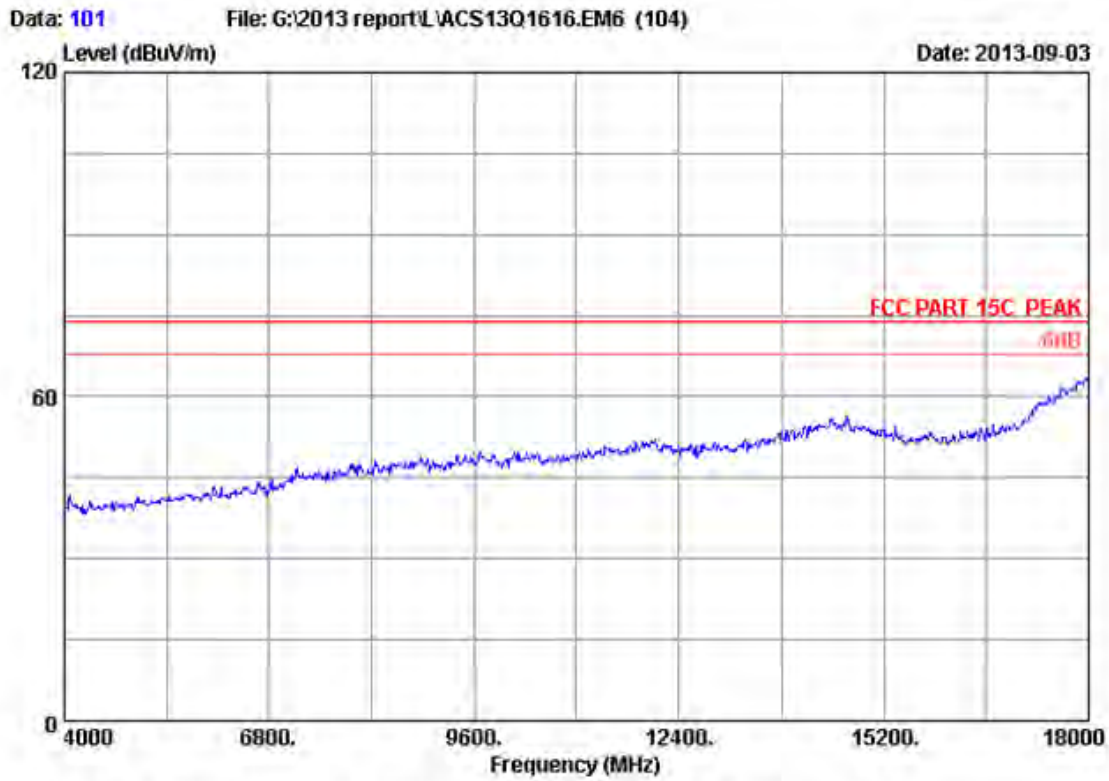
Remarks:
1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.



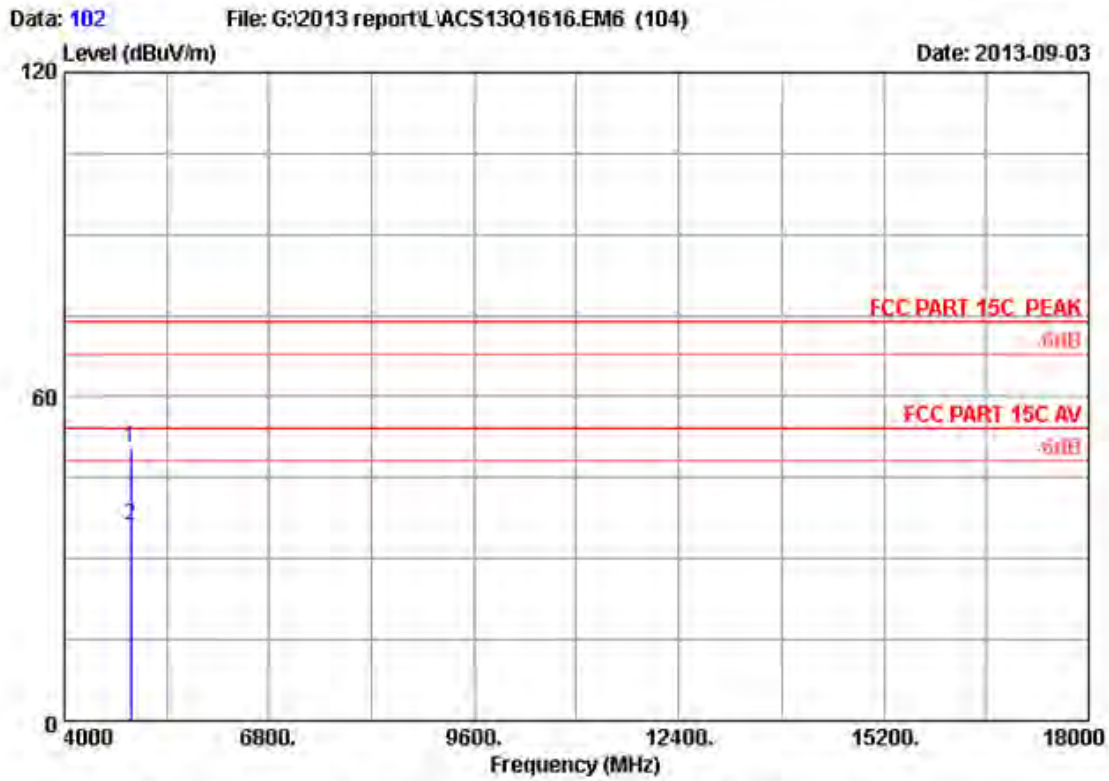
Site no. : 3m Chamber Data no. : 100
Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : HORIZONTAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23*C/54% Engineer : Leo-Li
EUT : Ultrathin Wireless Router
Power supply : DC 5V From PC Input AC 120V/60Hz
Test mode : IEEE802.11nHT40 2452MHz Tx Mode
R100

	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2452.000	27.09	5.87	35.70	85.46	82.72	74.00	-8.72	Peak

Remarks:
1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.



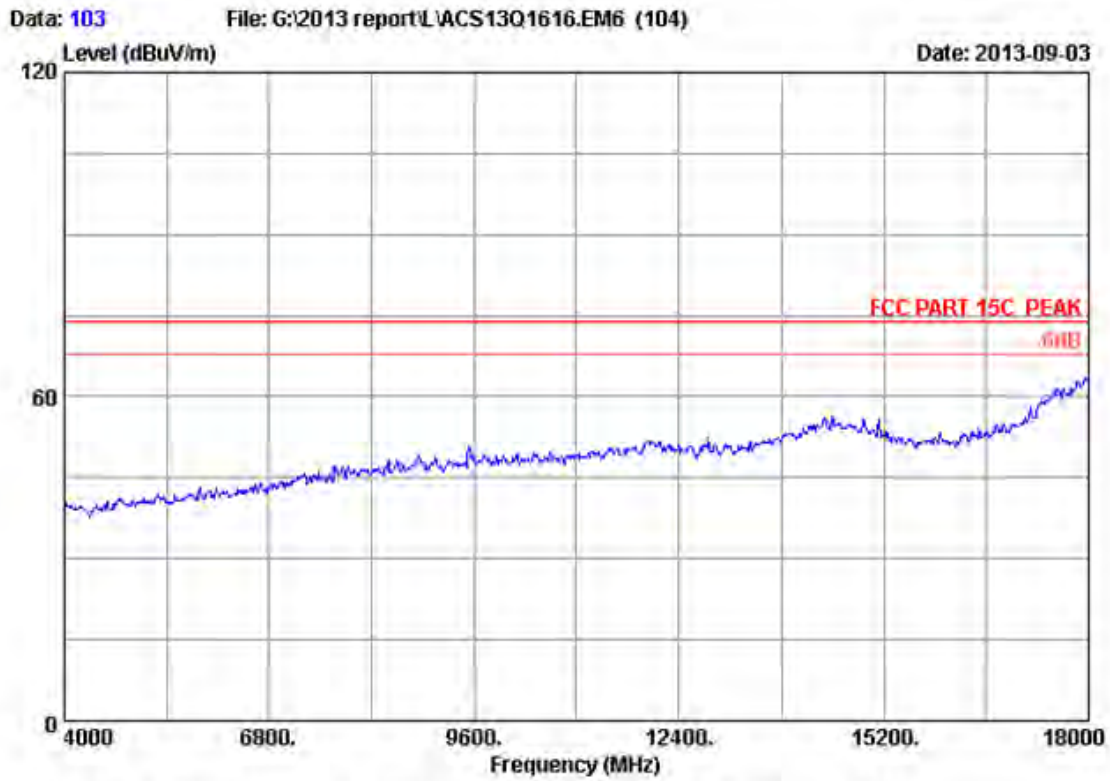
Site no.	: 3m Chamber	Data no.	: 101
Dis. / Ant.	: 3m 2012 3115 (4580)	Ant. pol.	: VERTICAL
Limit	: FCC PART 15C PEAK		
Env. / Ins.	: 23*C/54%	Engineer	: leo-Li
EUT	: Ultrathin Wireless Router		
Power supply	: DC 5V From PC Input AC 120V/60Hz		
Test mode	: IEEE802.11nHT40 CH7 2452MHz Tx R100		



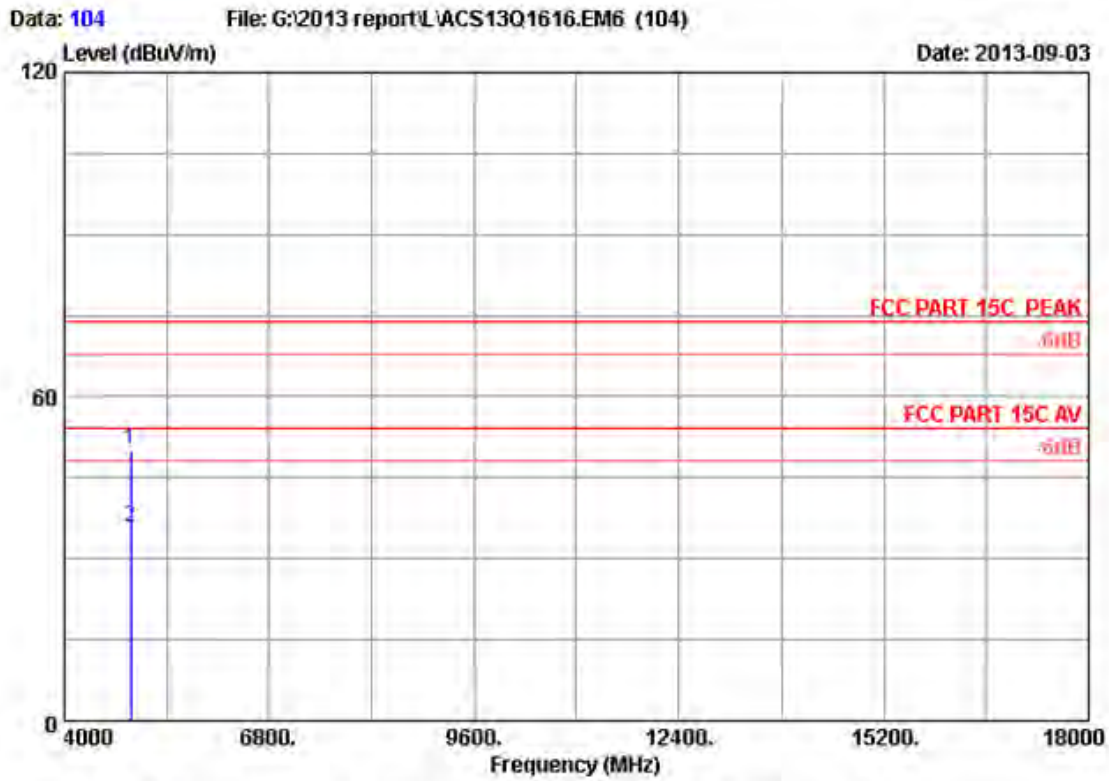
Site no. : 3m Chamber Data no. : 102
Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : VERTICAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23*C/54% Engineer : leo-Li
EUT : Ultrathin Wireless Router
Power supply : DC 5V From PC Input AC 120V/60Hz
Test mode : IEEE802.11nHT40 CH7 2452MHz Tx R100

	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	4904.000	32.69	8.66	35.70	44.73	50.38	74.00	23.62	Peak
2	4904.000	32.69	8.66	35.70	30.37	36.02	54.00	17.98	Average

Remarks:
1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.



Site no.	: 3m Chamber	Data no.	: 103
Dis. / Ant.	: 3m 2012 3115 (4580)	Ant. pol.	: HORIZONTAL
Limit	: FCC PART 15C PEAK		
Env. / Ins.	: 23*C/54%	Engineer	: leo-Li
EUT	: Ultrathin Wireless Router		
Power supply	: DC 5V From PC Input AC 120V/60Hz		
Test mode	: IEEE802.11nHT40 CH7 2452MHz Tx R100		



Site no. : 3m Chamber Data no. : 104
Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : HORIZONTAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23*C/54% Engineer : leo-Li
EUT : Ultrathin Wireless Router
Power supply : DC 5V From PC Input AC 120V/60Hz
Test mode : IEEE802.11nHT40 CH7 2452MHz Tx R100

	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	4904.000	32.69	8.66	35.70	44.36	50.01	74.00	23.99	Peak
2	4904.000	32.69	8.66	35.70	30.19	35.84	54.00	18.16	Average

Remarks:
1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

5. CONDUCTED SPURIOUS EMISSIONS

5.1.Test Equipment

Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
1.	Spectrum Analyzer	Agilent	E4446A	US44300459	Oct.31, 12	1Year
2.	Attenuator	Agilent	8491B	MY39262165	May.08,13	1 Year
3.	RF Cable	Hubersuhner	SUCOFLEX102	28618/2	May.08,13	1Year

5.2.Limit

In any 100kHz bandwidth outside the frequency bands in which the spread spectrum intentional radiator in operating, the radio frequency power that is produced by the intentional radiator shall be at least 20dB below that in the 100kHz bandwidth within the band that contains the highest level of the desired power.

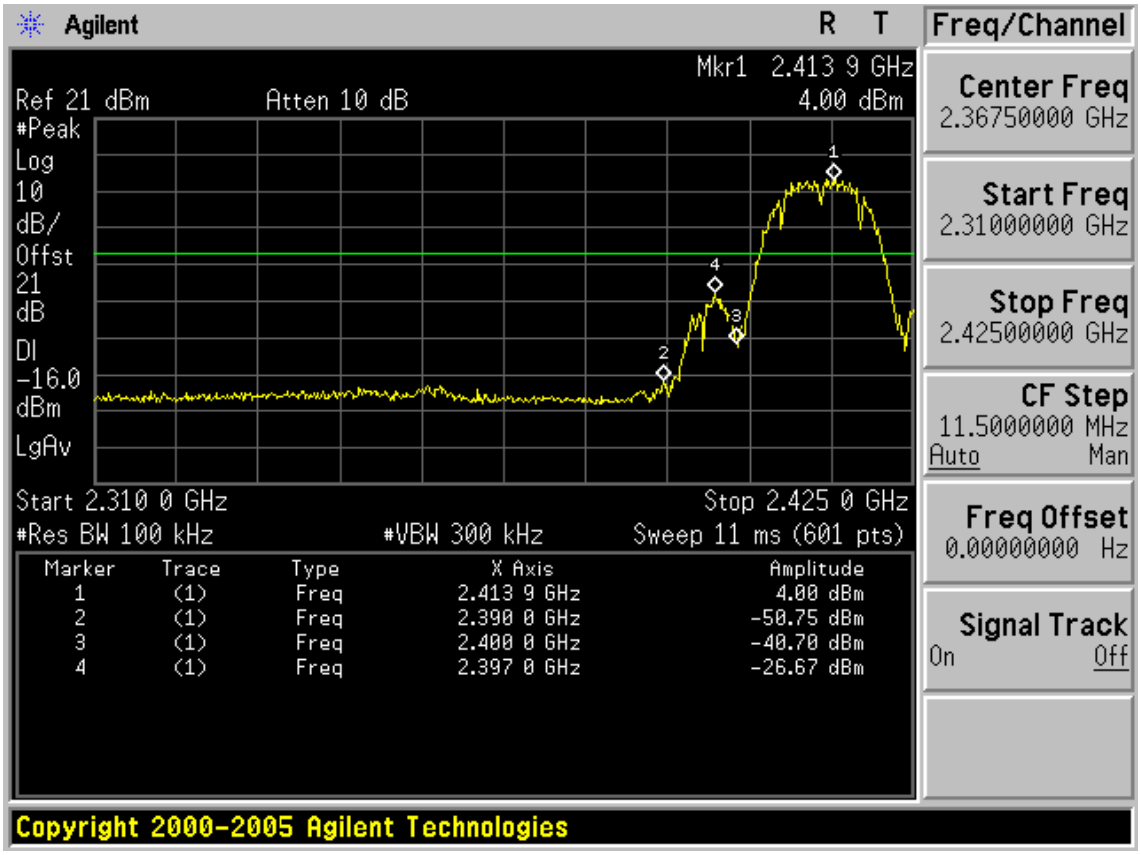
5.3.Test Procedure

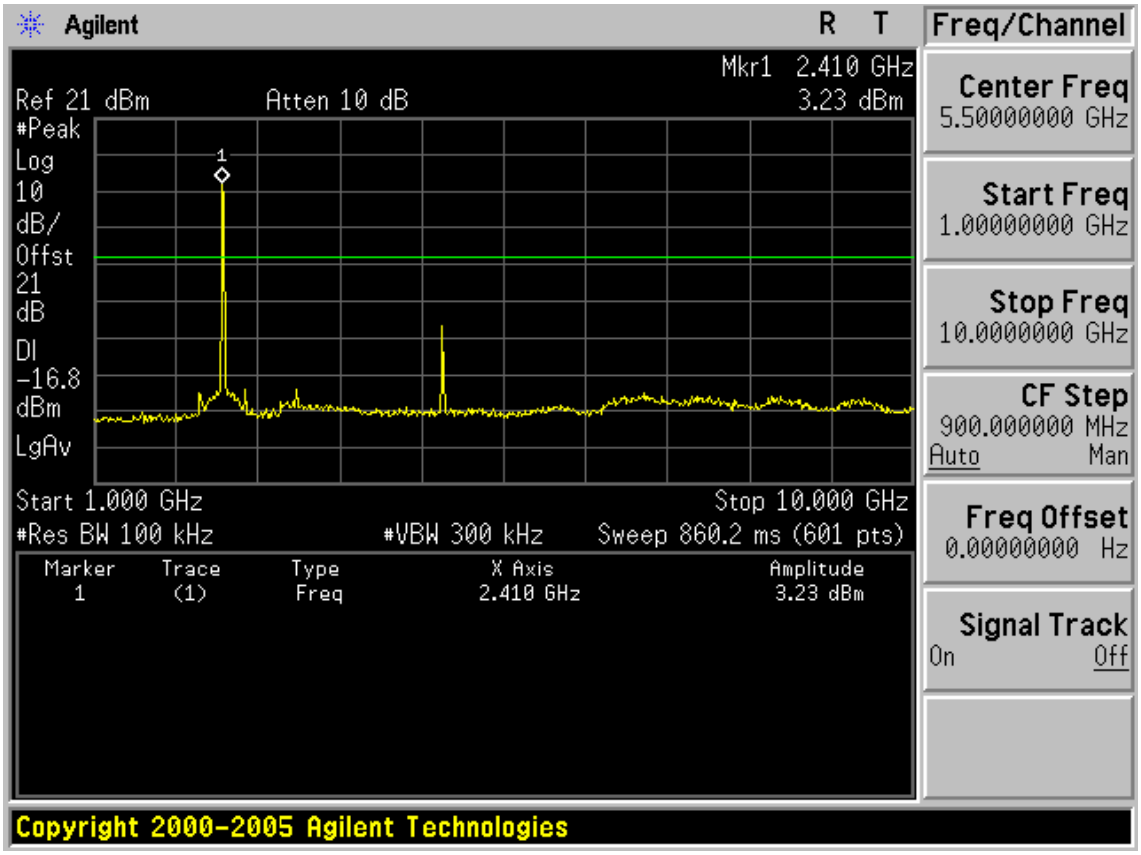
The transmitter output was connected to a spectrum analyzer, The resolution bandwidth is set to 100 kHz, The video bandwidth is set to 300 kHz and measure all the emissions detected.

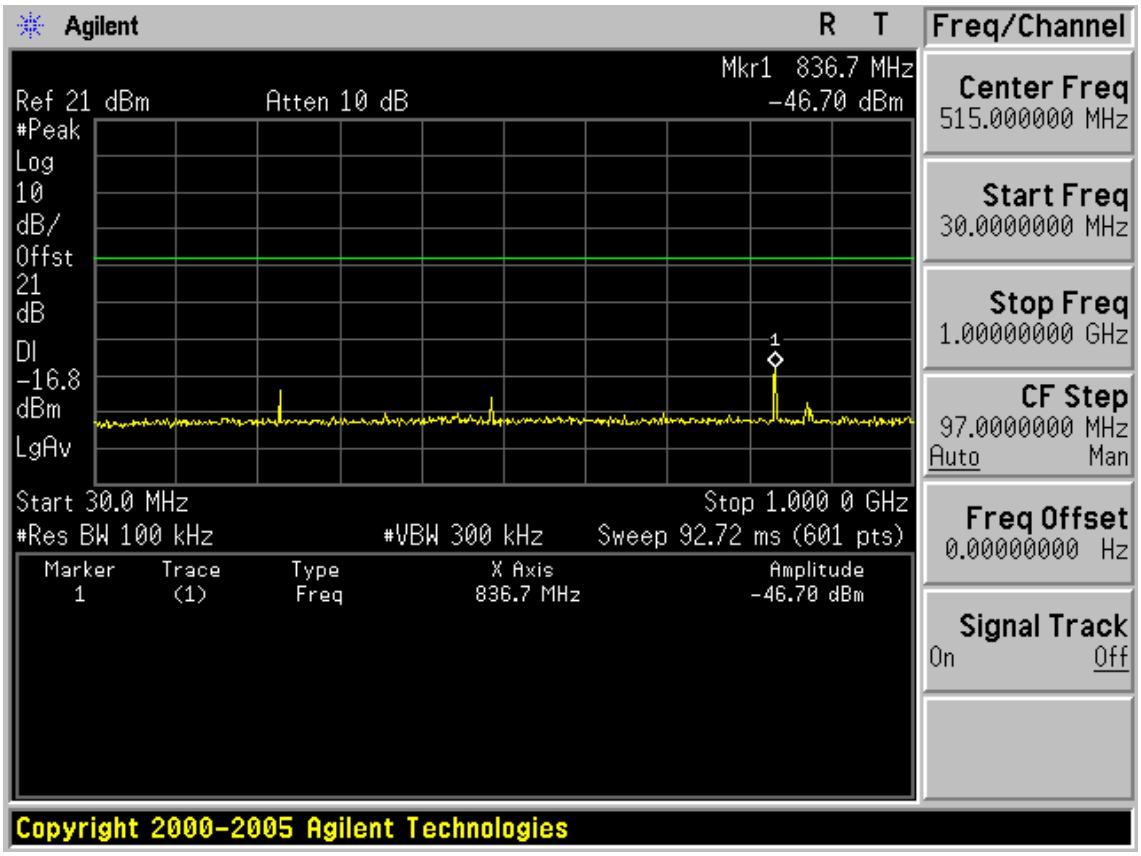
5.4.Test result

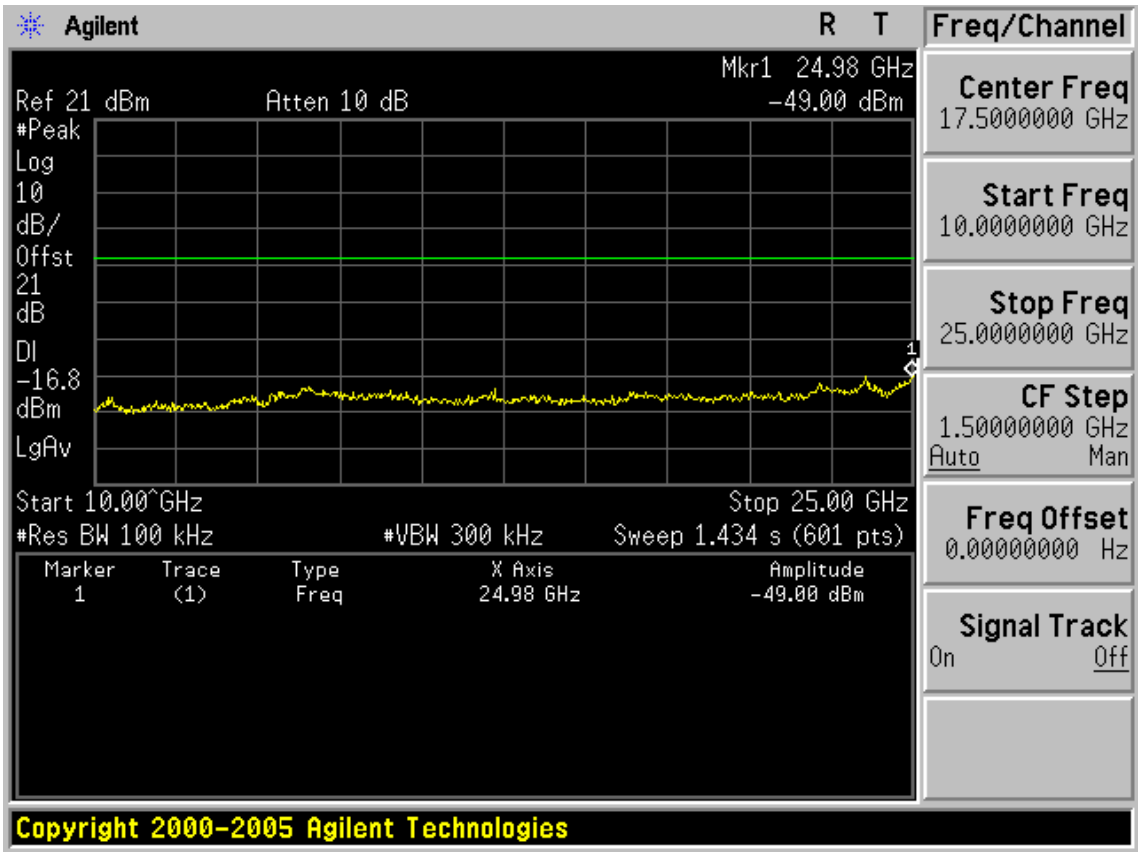
PASS (The testing data was attached in the next pages.)

Test Mode: IEEE 802.11b TX
Test CH1: 2412MHz

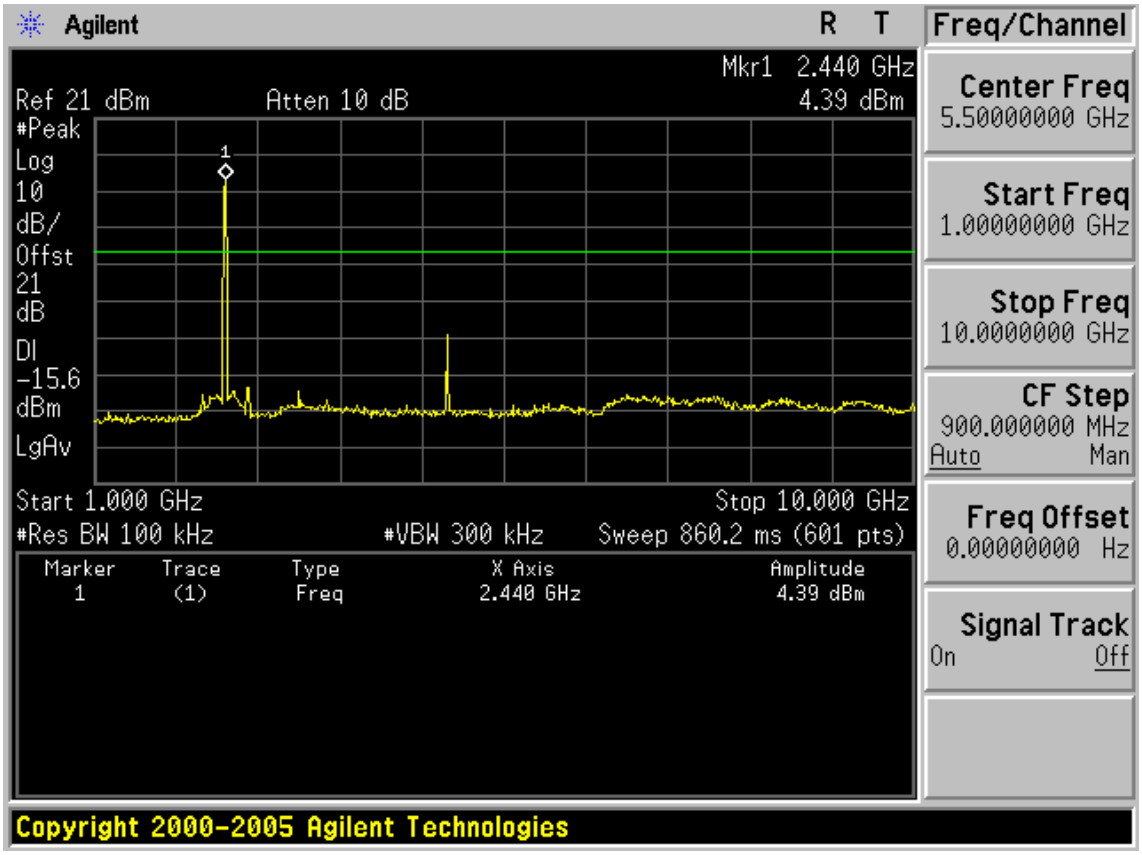


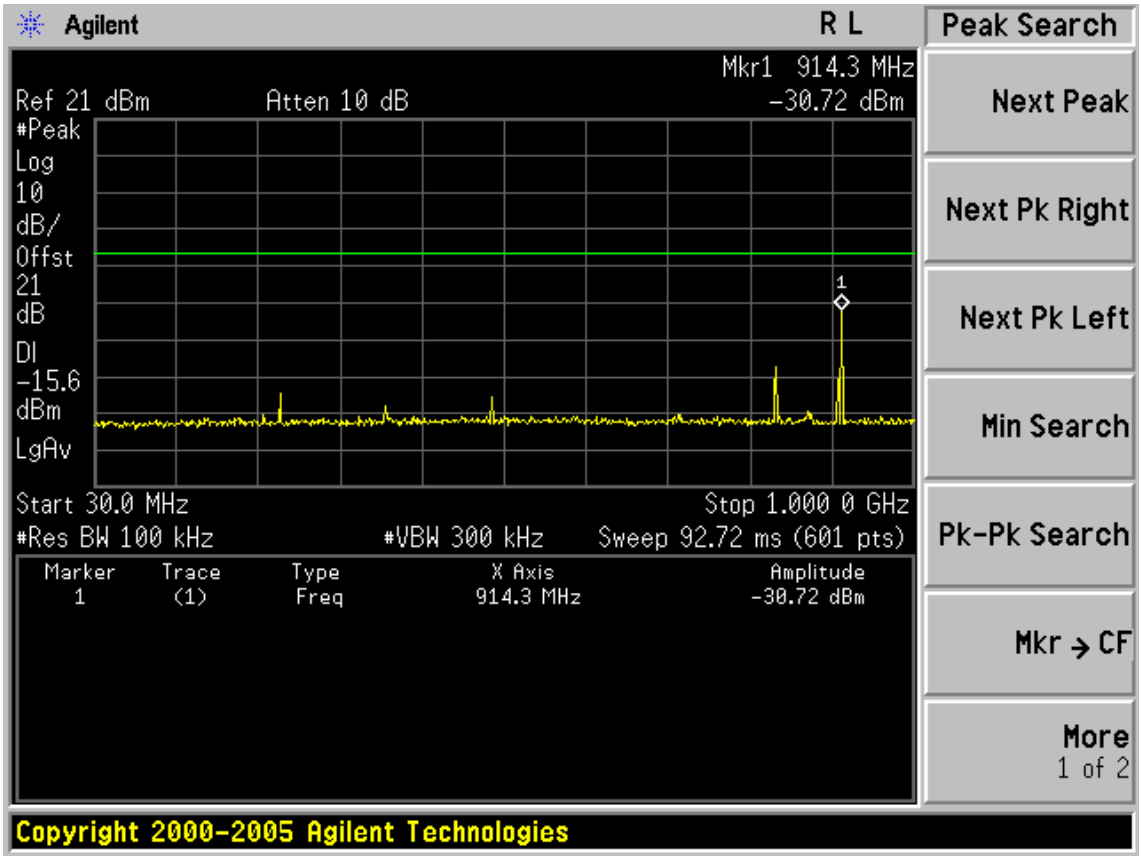


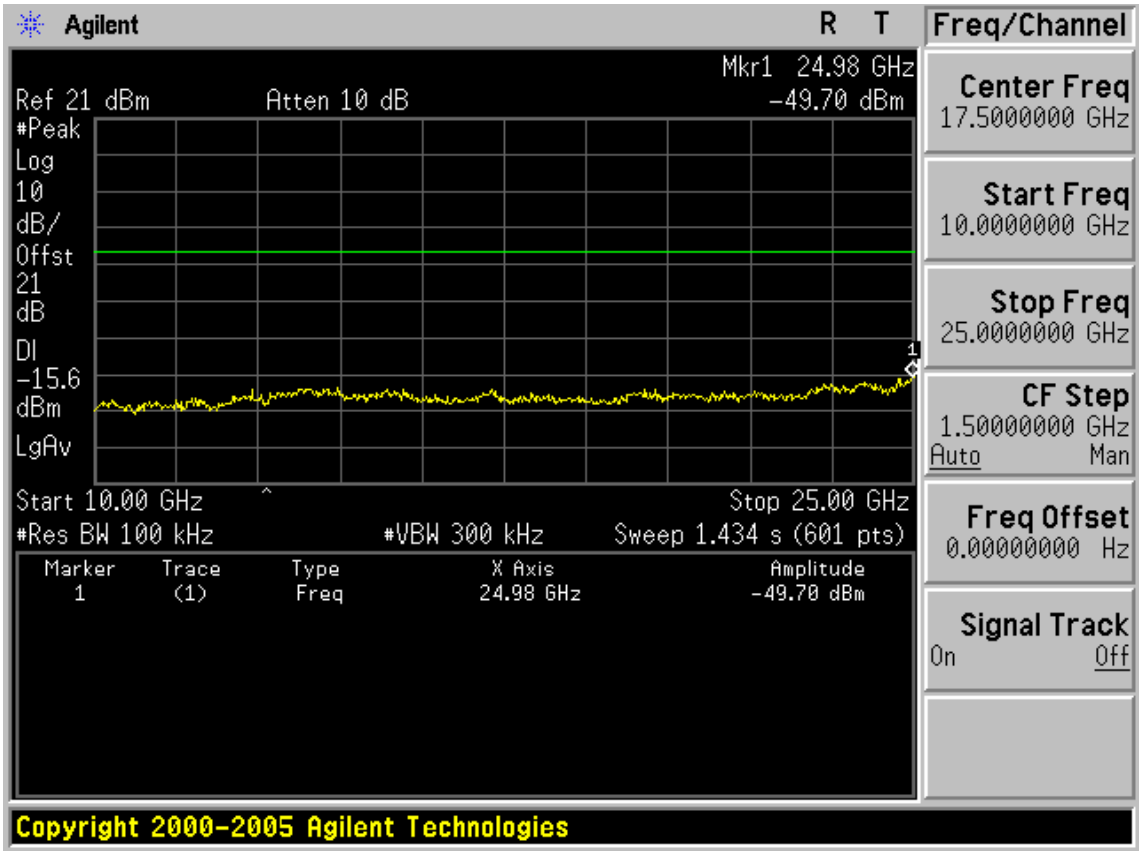

Agilent
R T
Freq/Channel
Mkr1 836.7 MHz
Ref 21 dBm
Atten 10 dB
-46.70 dBm
#Peak
Log
10
dB/
Offst
21
dB
Dl
-16.8
dBm
LgAv
1
Center Freq
515.000000 MHz
Start Freq
30.0000000 MHz
Stop Freq
1.00000000 GHz
CF Step
97.0000000 MHz
Auto
Man
Freq Offset
0.00000000 Hz
Signal Track
On
Off
Start 30.0 MHz
Stop 1.000 0 GHz
#Res BW 100 kHz
#VBW 300 kHz
Sweep 92.72 ms (601 pts)
Marker Trace Type X Axis Amplitude
1 (1) Freq 836.7 MHz -46.70 dBm
Copyright 2000-2005 Agilent Technologies


Agilent
R T
Freq/Channel
Mkr1 24.98 GHz
Ref 21 dBm
Atten 10 dB
-49.00 dBm
#Peak
Log
10
dB/
Offst
21
dB
Dl
-16.8
dBm
LgAv
1
Center Freq
17.5000000 GHz
Start Freq
10.0000000 GHz
Stop Freq
25.0000000 GHz
CF Step
1.50000000 GHz
Auto
Man
Freq Offset
0.00000000 Hz
Signal Track
On
Off
Start 10.00^GHz
Stop 25.00 GHz
#Res BW 100 kHz
#VBW 300 kHz
Sweep 1.434 s (601 pts)
Marker Trace Type X Axis Amplitude
1 (1) Freq 24.98 GHz -49.00 dBm
Copyright 2000-2005 Agilent Technologies

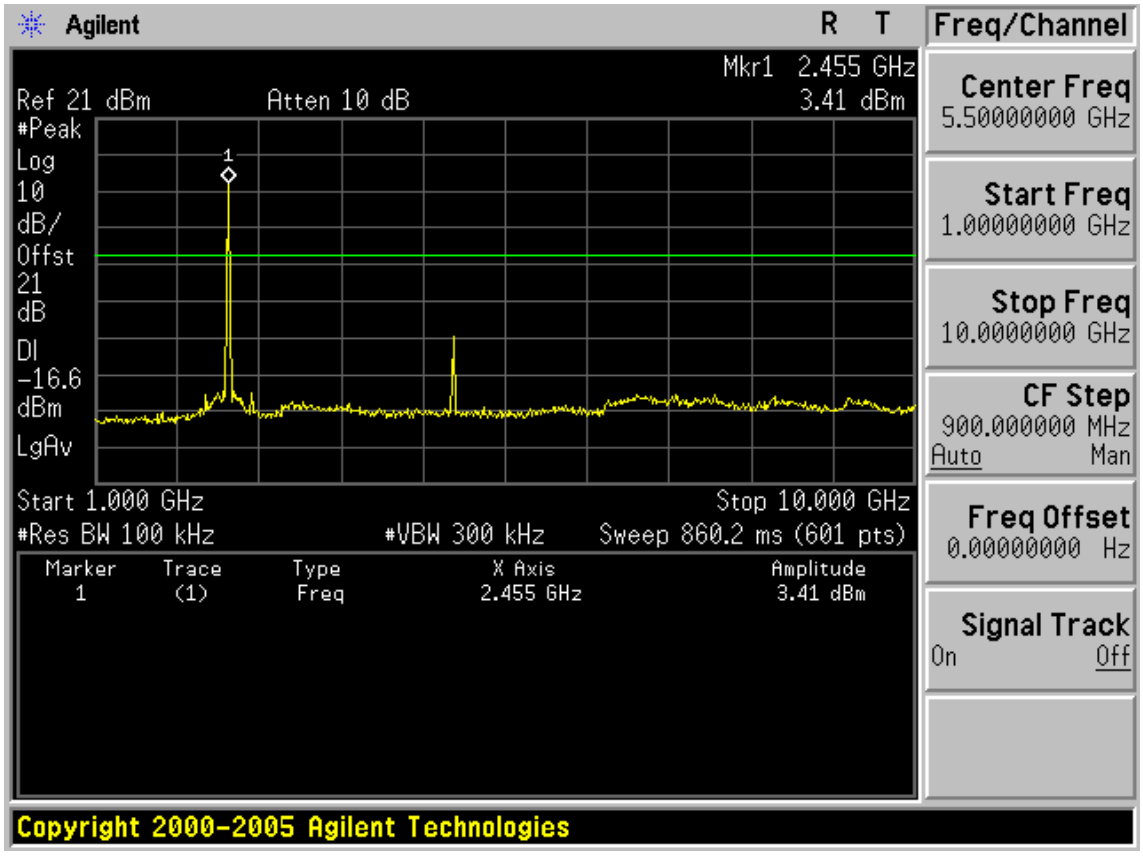
Test CH6: 2437MHz

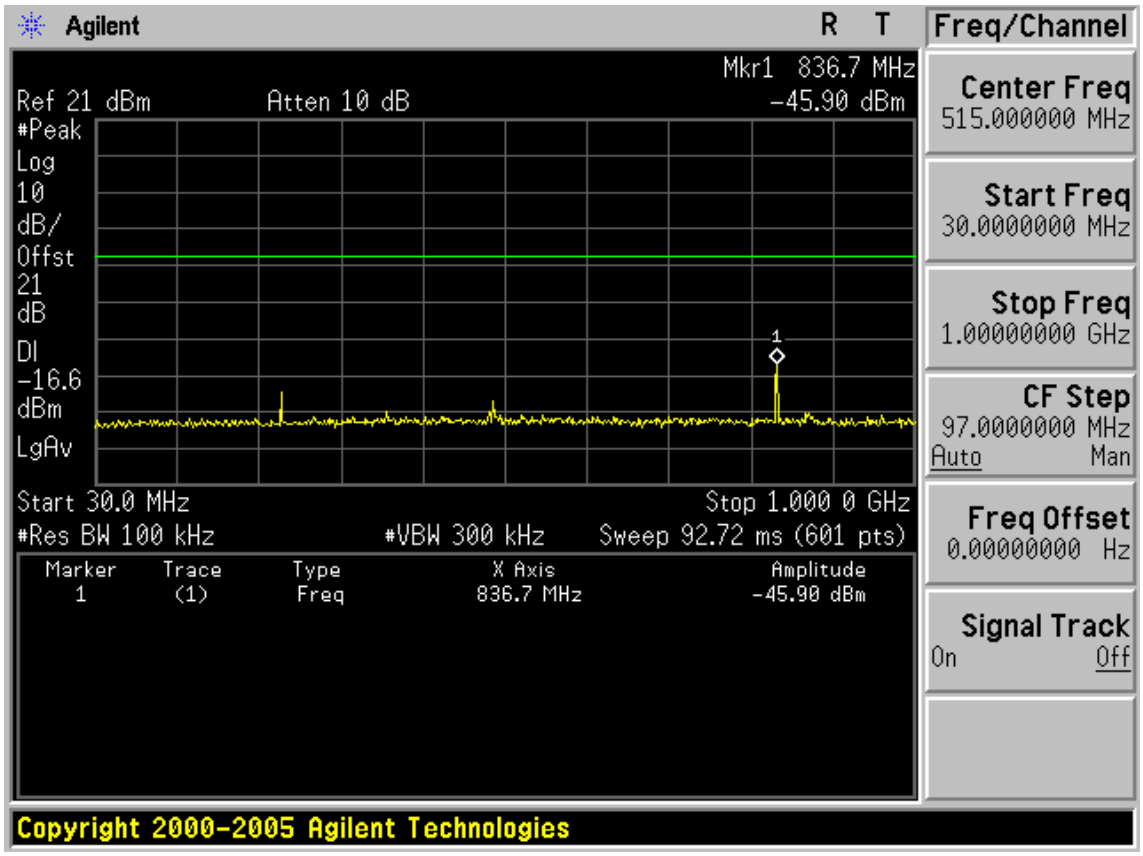


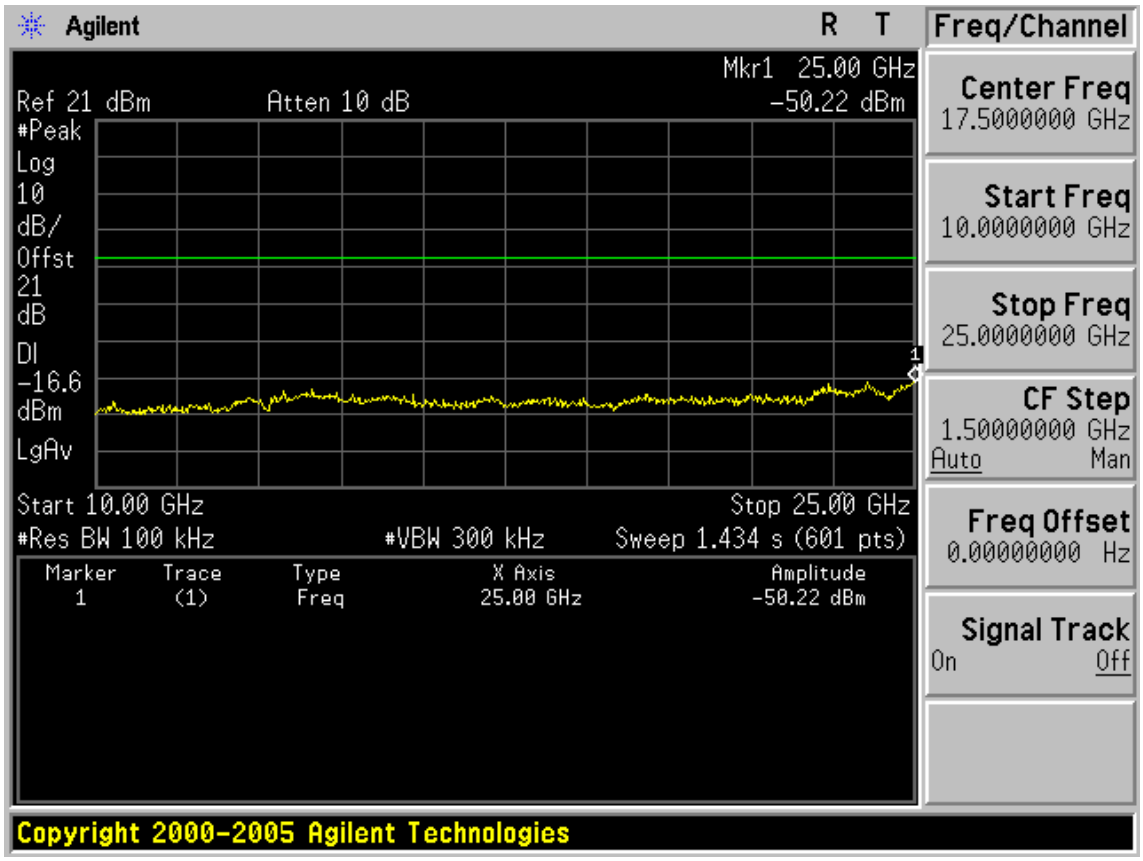


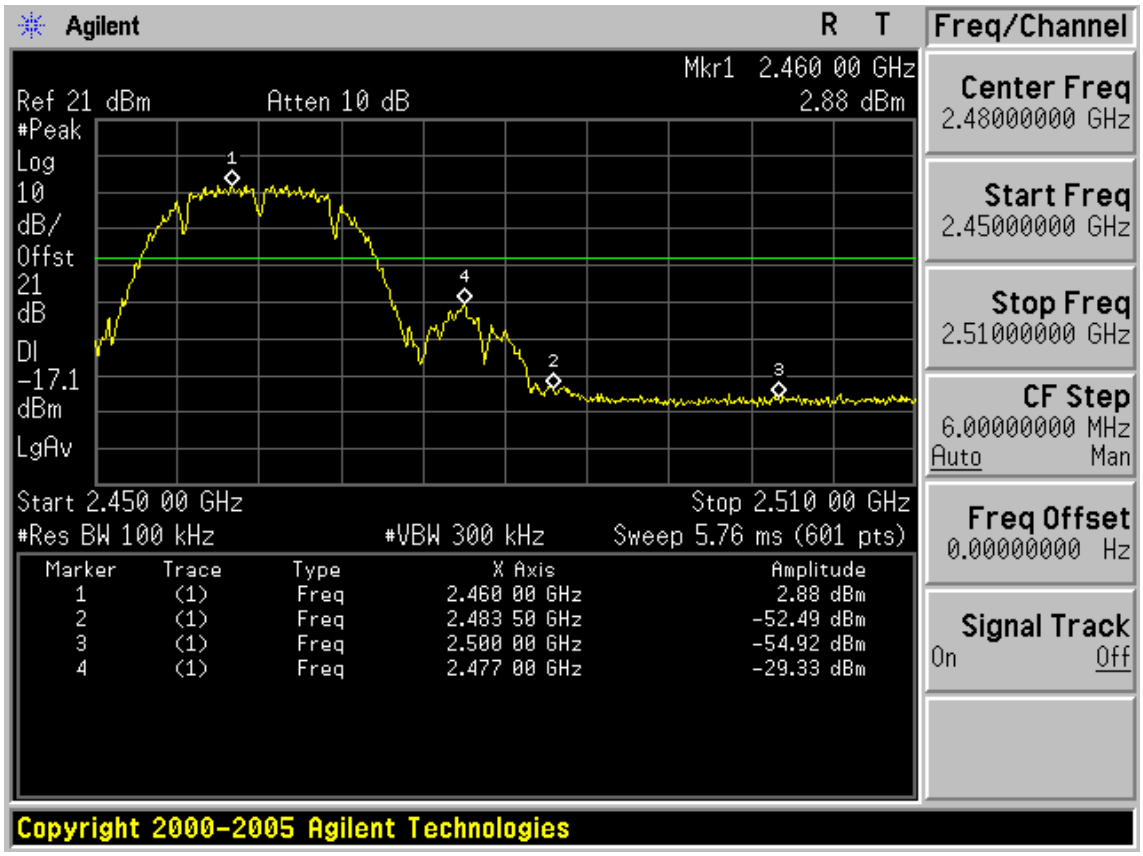


Test CH11: 2462MHz

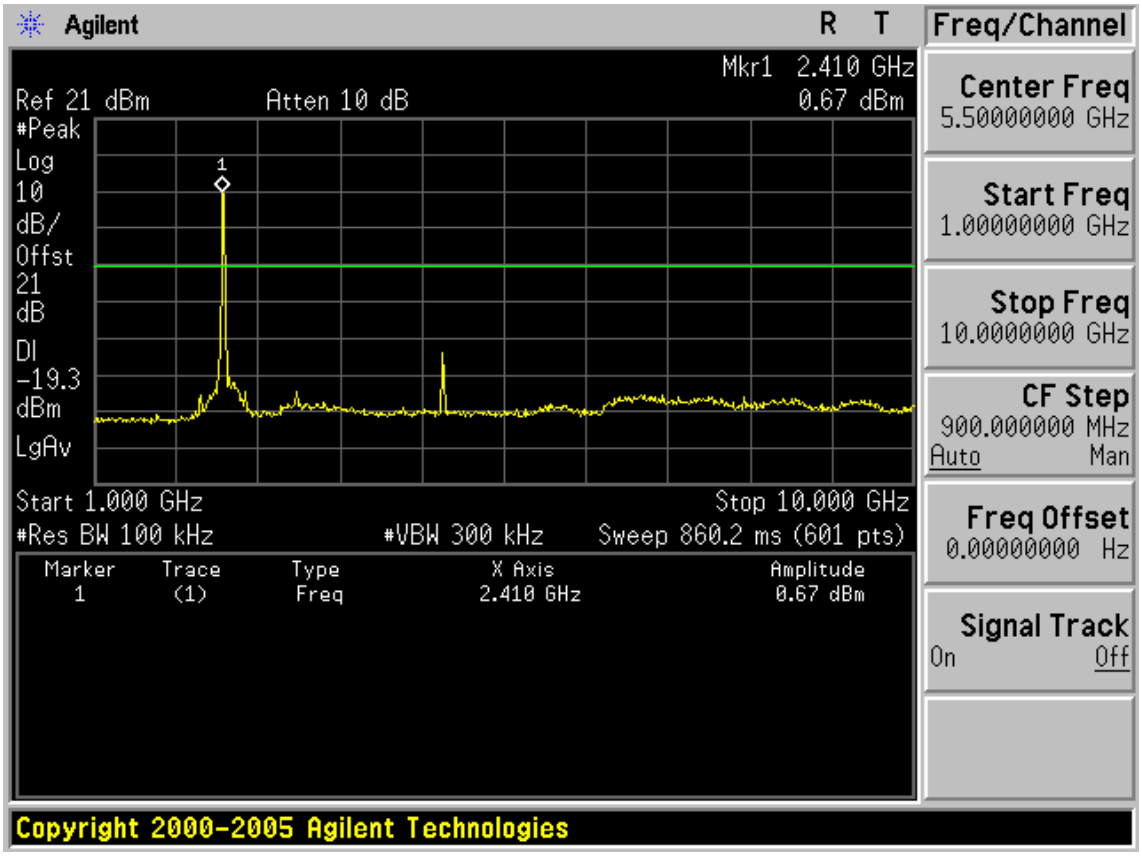


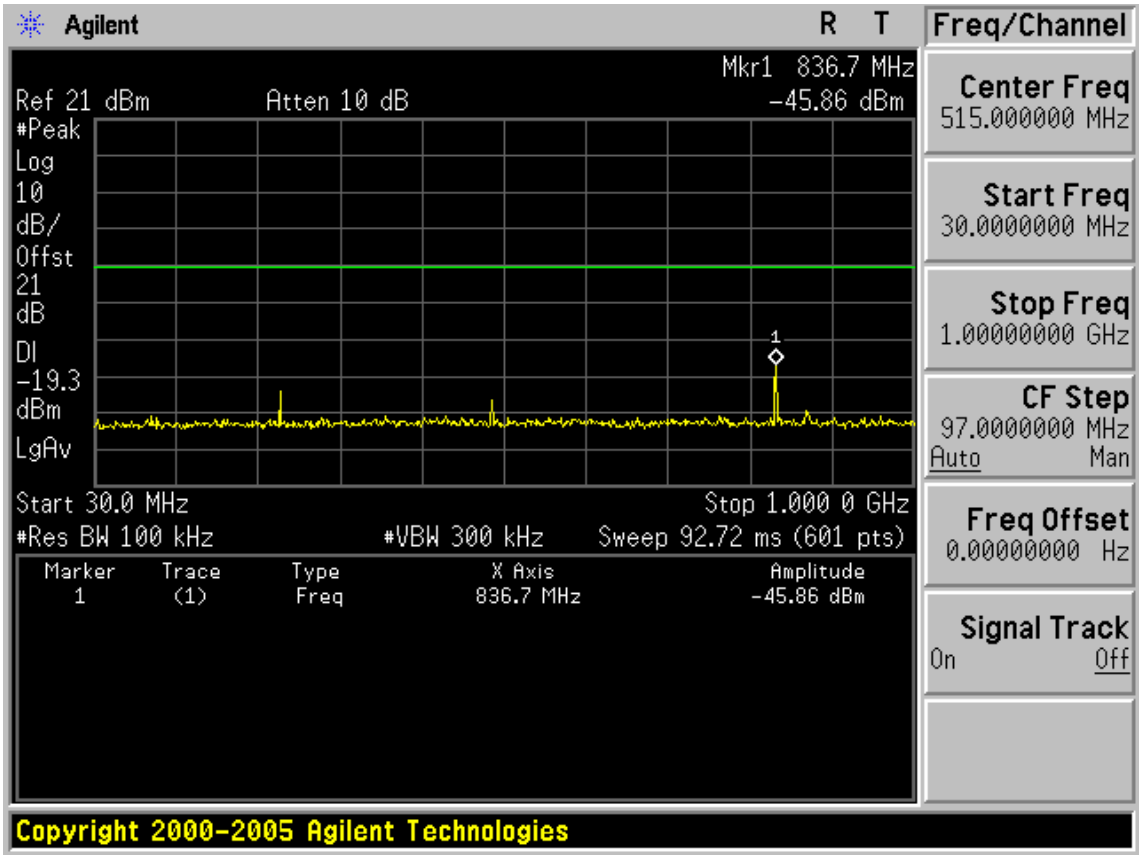

Agilent
R T
Freq/Channel
Mkr1 836.7 MHz
Ref 21 dBm
Atten 10 dB
-45.90 dBm
#Peak
Log
10
dB/
Offst
21
dB
Dl
-16.6
dBm
LgAv
1
Center Freq
515.000000 MHz
Start Freq
30.0000000 MHz
Stop Freq
1.00000000 GHz
CF Step
97.0000000 MHz
Auto Man
Start 30.0 MHz
Stop 1.000 0 GHz
#Res BW 100 kHz
#VBW 300 kHz
Sweep 92.72 ms (601 pts)
Freq Offset
0.00000000 Hz
Marker Trace Type X Axis Amplitude
1 (1) Freq 836.7 MHz -45.90 dBm
Signal Track
On Off
Copyright 2000-2005 Agilent Technologies

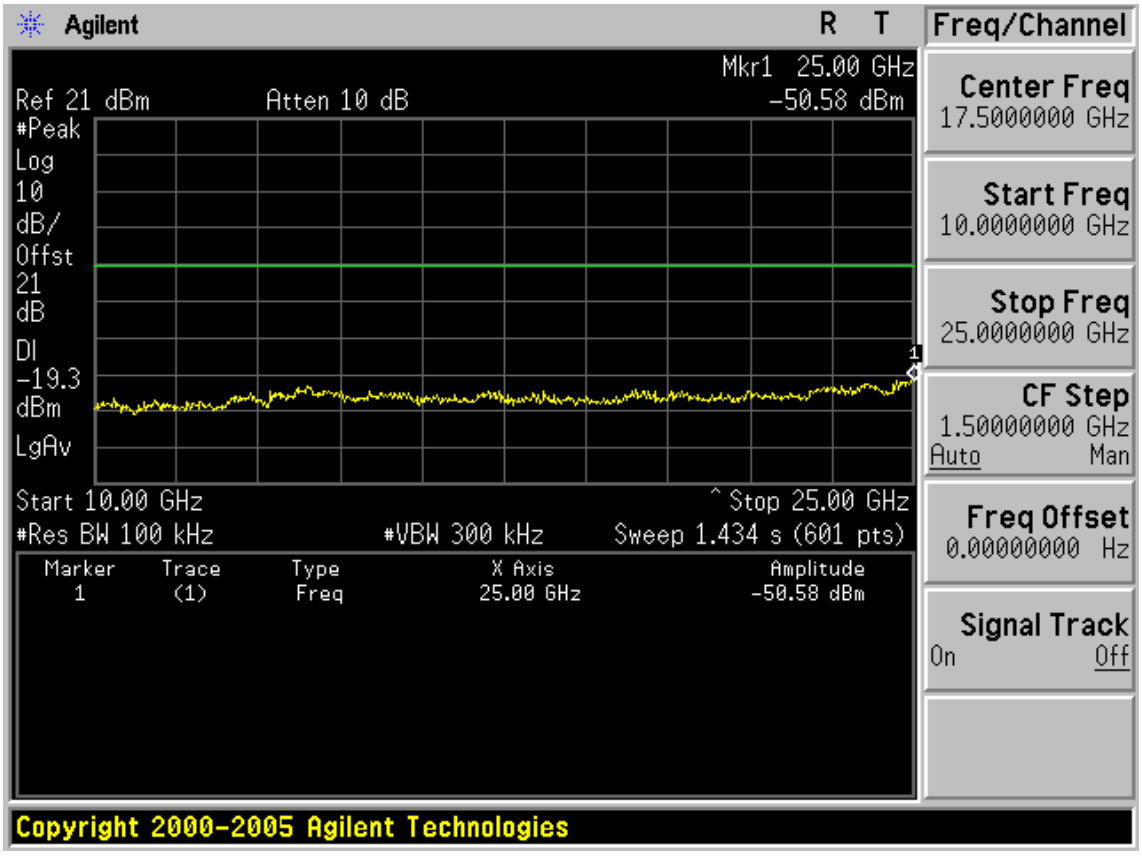

Agilent
R T
Freq/Channel
Mkr1 25.00 GHz
Ref 21 dBm
Atten 10 dB
-50.22 dBm
#Peak
Log
10
dB/
Offst
21
dB
Dl
-16.6
dBm
LgAv
1
Center Freq
17.5000000 GHz
Start Freq
10.0000000 GHz
Stop Freq
25.0000000 GHz
CF Step
1.50000000 GHz
Auto Man
Start 10.00 GHz
Stop 25.00 GHz
#Res BW 100 kHz
#VBW 300 kHz
Sweep 1.434 s (601 pts)
Freq Offset
0.00000000 Hz
Marker Trace Type X Axis Amplitude
1 (1) Freq 25.00 GHz -50.22 dBm
Signal Track
On Off
Copyright 2000-2005 Agilent Technologies

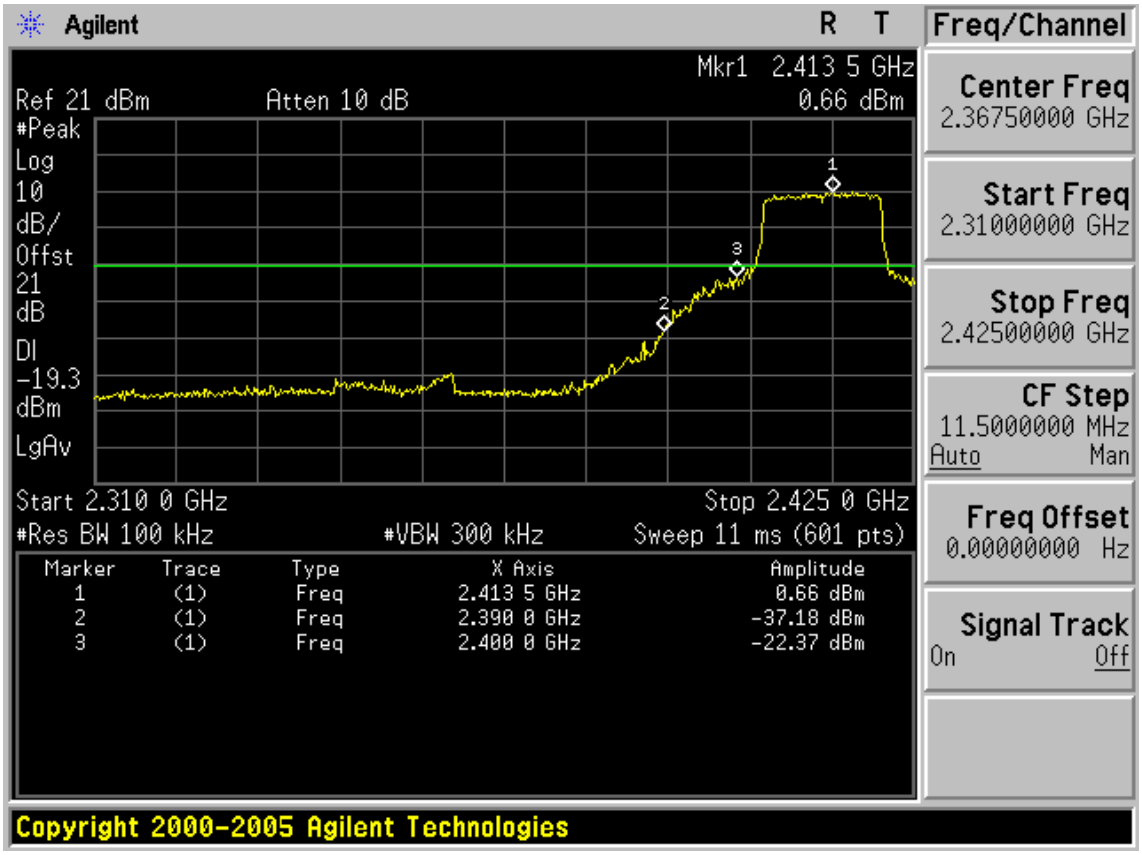


Test Mode: IEEE 802.11g TX
Test CH1: 2412MHz

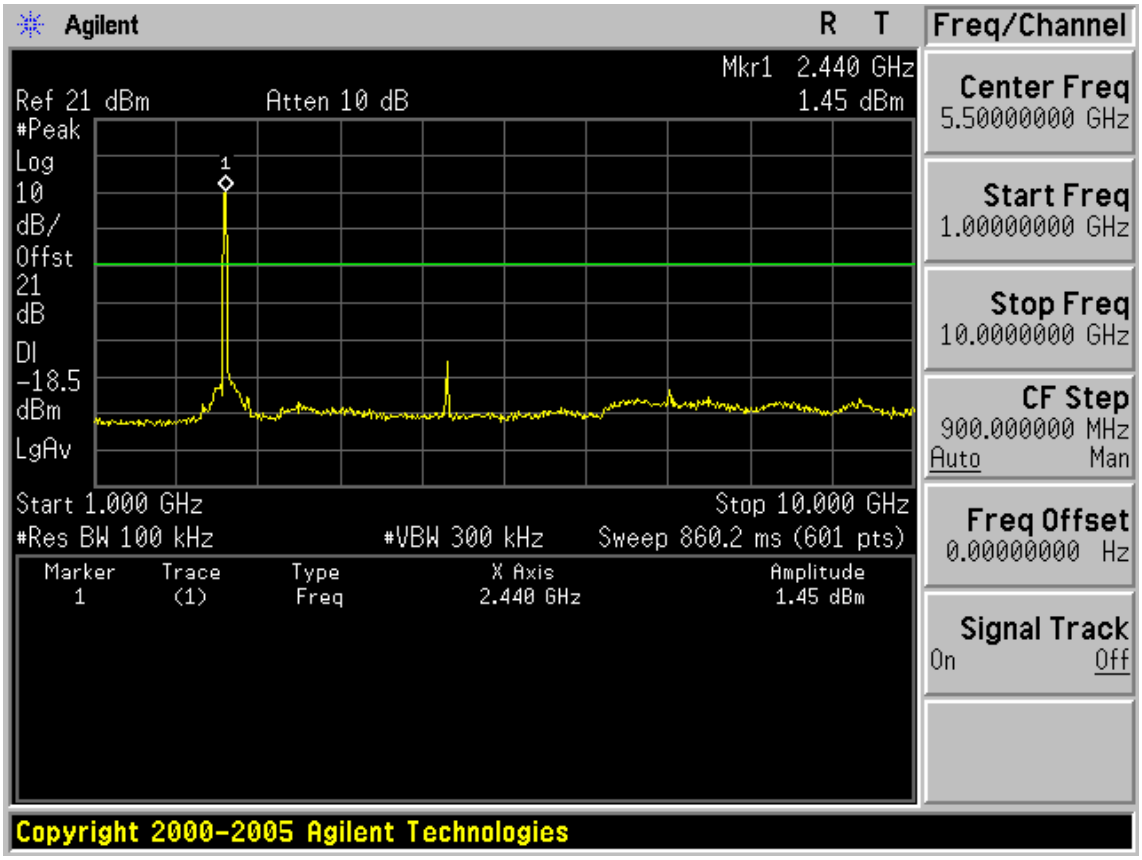


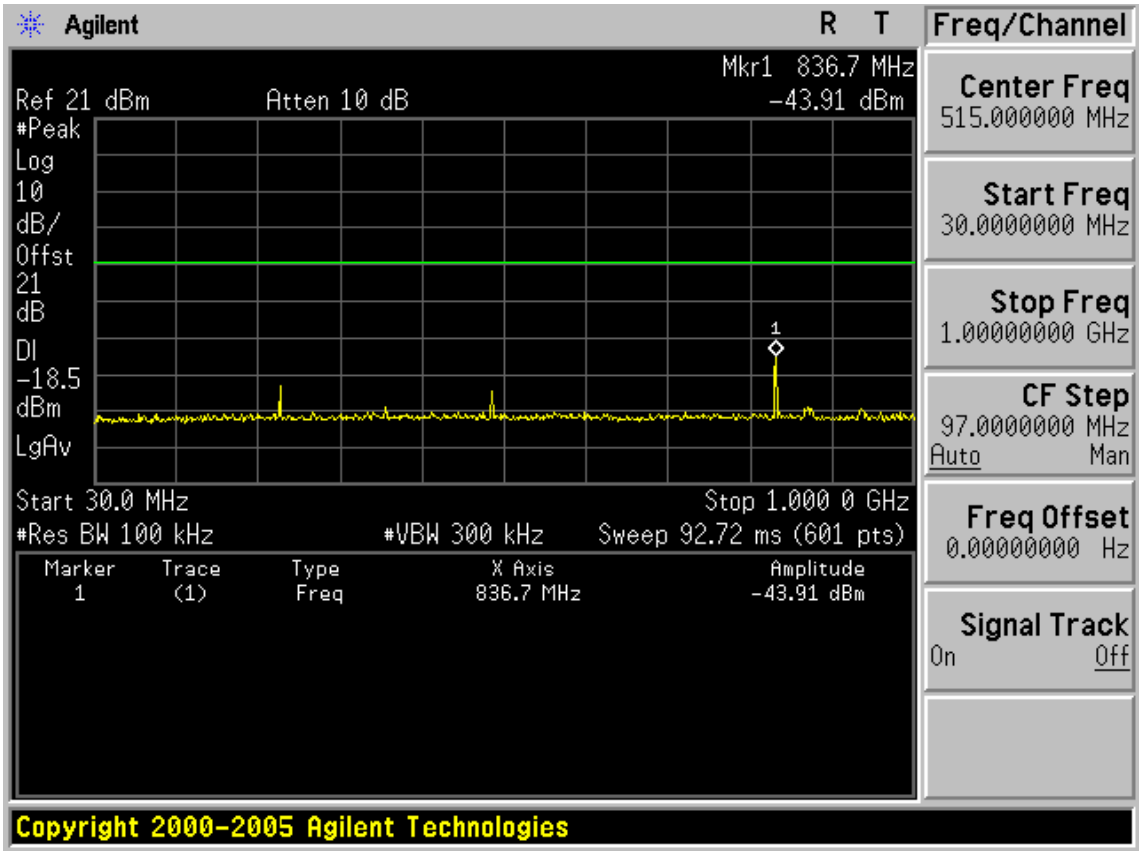

Agilent
R T
Freq/Channel
Mkr1 836.7 MHz
Ref 21 dBm
Atten 10 dB
-45.86 dBm
#Peak
Log
10
dB/
Offst
21
dB
Dl
-19.3
dBm
LgAv
Center Freq
515.000000 MHz
Start Freq
30.0000000 MHz
Stop Freq
1.00000000 GHz
CF Step
97.0000000 MHz
Auto Man
Start 30.0 MHz
Stop 1.000 0 GHz
#Res BW 100 kHz
#VBW 300 kHz
Sweep 92.72 ms (601 pts)
Freq Offset
0.00000000 Hz
Marker Trace Type X Axis Amplitude
1 (1) Freq 836.7 MHz -45.86 dBm
Signal Track
On Off
Copyright 2000-2005 Agilent Technologies

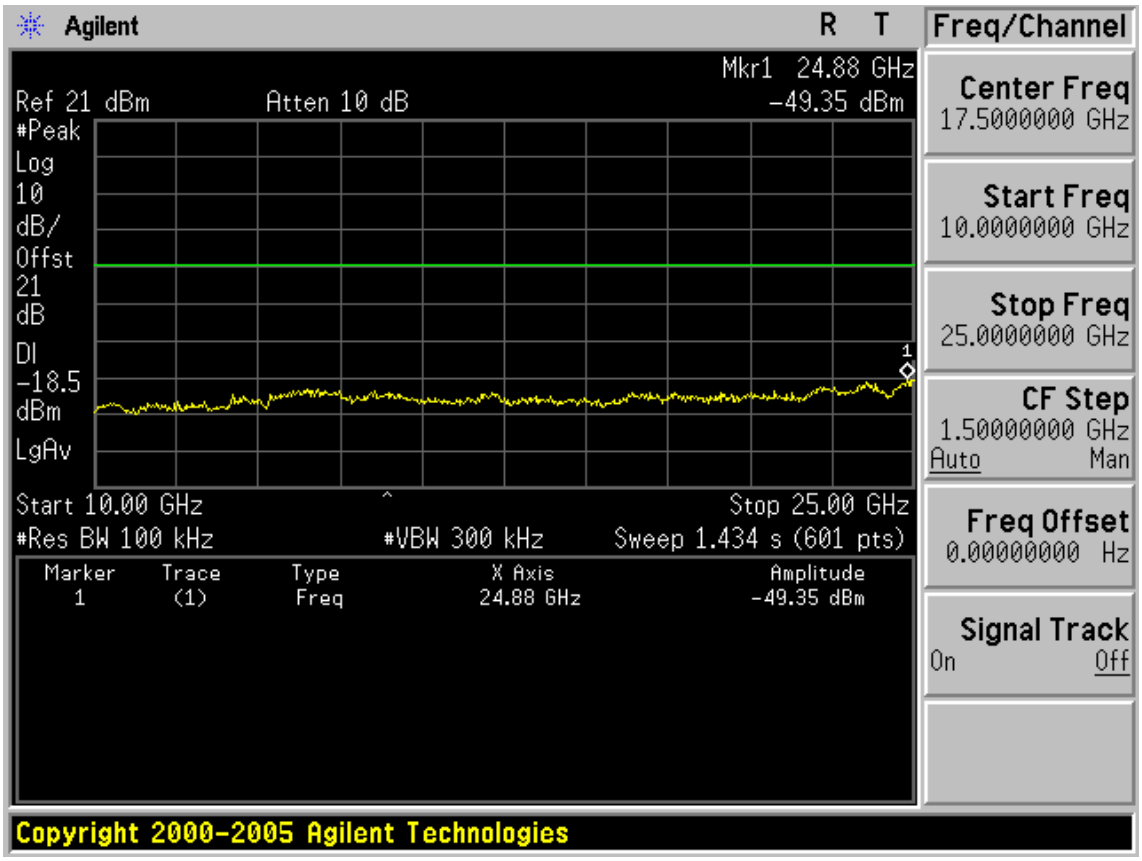

Agilent
R T
Freq/Channel
Mkr1 25.00 GHz
Ref 21 dBm
Atten 10 dB
-50.58 dBm
#Peak
Log
10
dB/
Offst
21
dB
Dl
-19.3
dBm
LgAv
Center Freq
17.5000000 GHz
Start Freq
10.0000000 GHz
Stop Freq
25.0000000 GHz
CF Step
1.50000000 GHz
Auto Man
Start 10.00 GHz
Stop 25.00 GHz
#Res BW 100 kHz
#VBW 300 kHz
Sweep 1.434 s (601 pts)
Freq Offset
0.00000000 Hz
Marker Trace Type X Axis Amplitude
1 (1) Freq 25.00 GHz -50.58 dBm
Signal Track
On Off
Copyright 2000-2005 Agilent Technologies



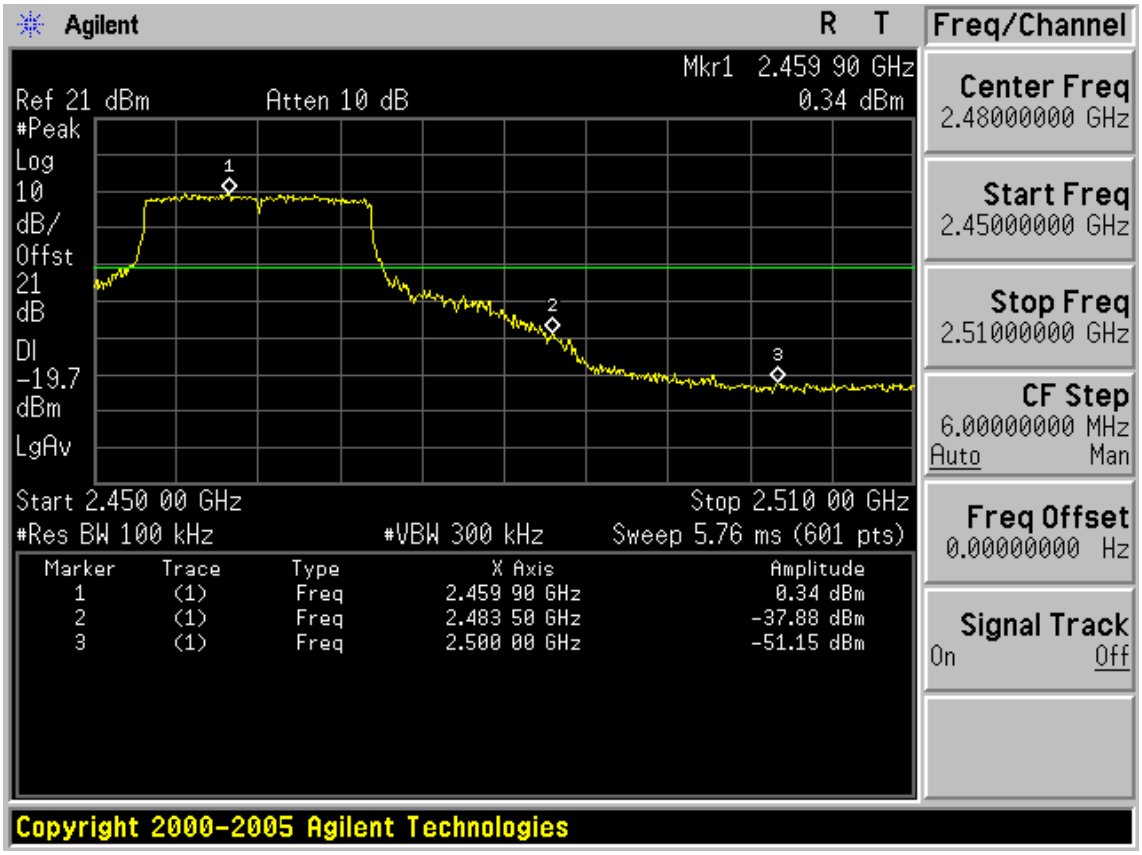
Test CH6: 2437MHz

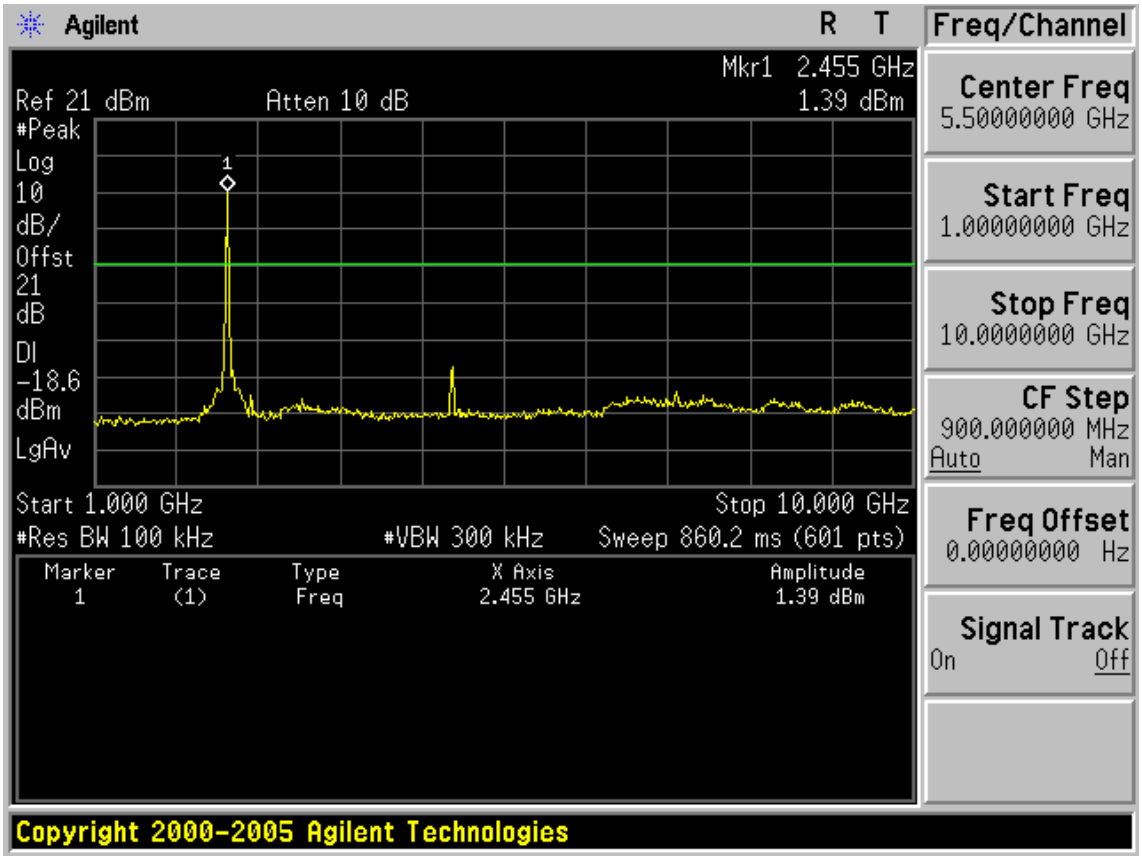


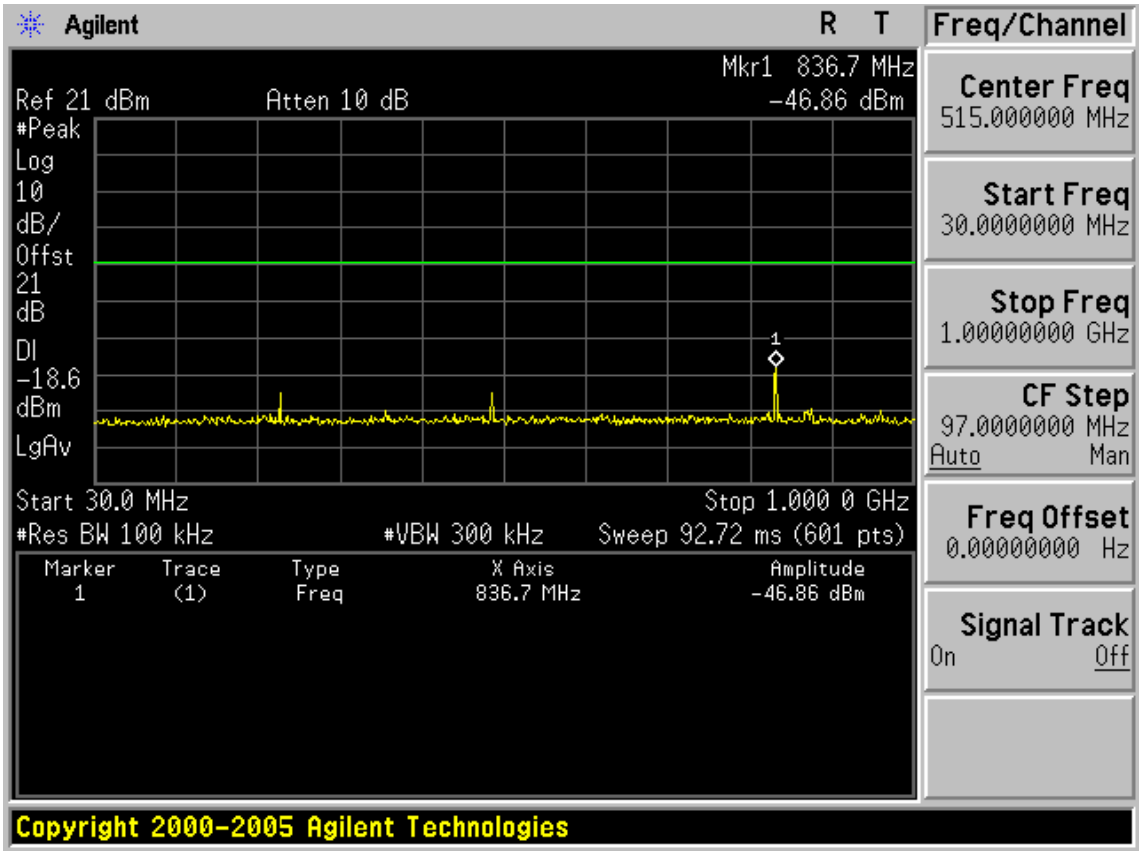

Agilent
R T
Freq/Channel
Mkr1 836.7 MHz
Ref 21 dBm
Atten 10 dB
-43.91 dBm
#Peak
Log
10
dB/
Offst
21
dB
Dl
-18.5
dBm
LgAv
Center Freq
515.000000 MHz
Start Freq
30.0000000 MHz
Stop Freq
1.00000000 GHz
CF Step
97.0000000 MHz
Auto Man
Start 30.0 MHz
Stop 1.000 0 GHz
#Res BW 100 kHz
#VBW 300 kHz
Sweep 92.72 ms (601 pts)
Freq Offset
0.00000000 Hz
Marker Trace Type X Axis Amplitude
1 (1) Freq 836.7 MHz -43.91 dBm
Signal Track
On Off
Copyright 2000-2005 Agilent Technologies

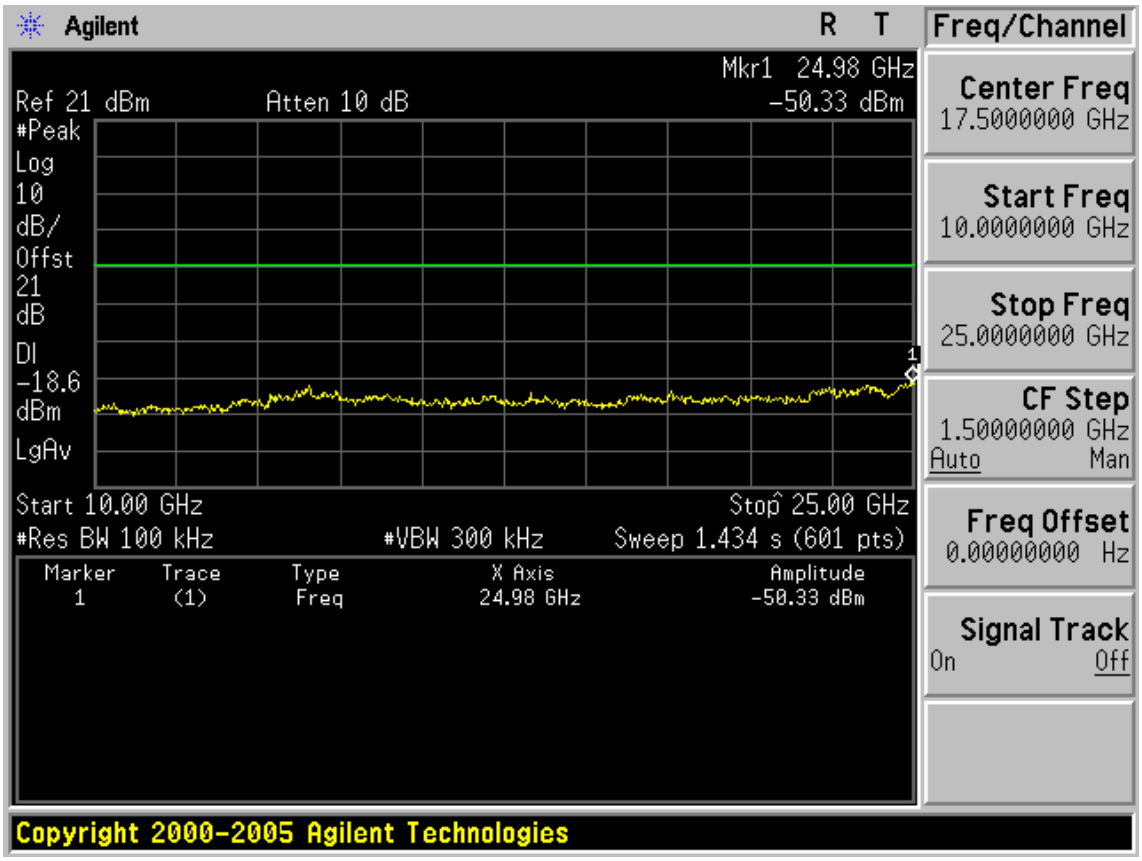

Agilent
R T
Freq/Channel
Mkr1 24.88 GHz
Ref 21 dBm
Atten 10 dB
-49.35 dBm
#Peak
Log
10
dB/
Offst
21
dB
Dl
-18.5
dBm
LgAv
Center Freq
17.5000000 GHz
Start Freq
10.0000000 GHz
Stop Freq
25.0000000 GHz
CF Step
1.50000000 GHz
Auto Man
Start 10.00 GHz
Stop 25.00 GHz
#Res BW 100 kHz
#VBW 300 kHz
Sweep 1.434 s (601 pts)
Freq Offset
0.00000000 Hz
Marker Trace Type X Axis Amplitude
1 (1) Freq 24.88 GHz -49.35 dBm
Signal Track
On Off
Copyright 2000-2005 Agilent Technologies

Test CH11: 2462MHz

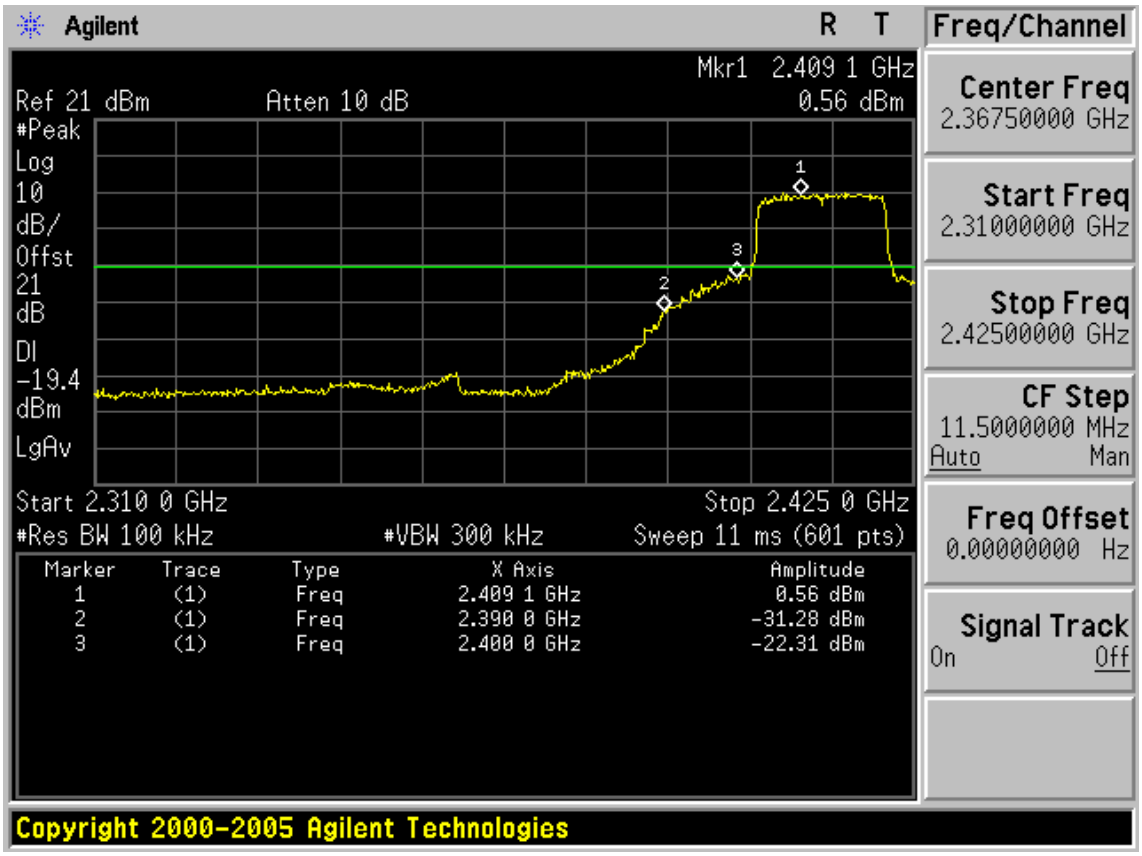


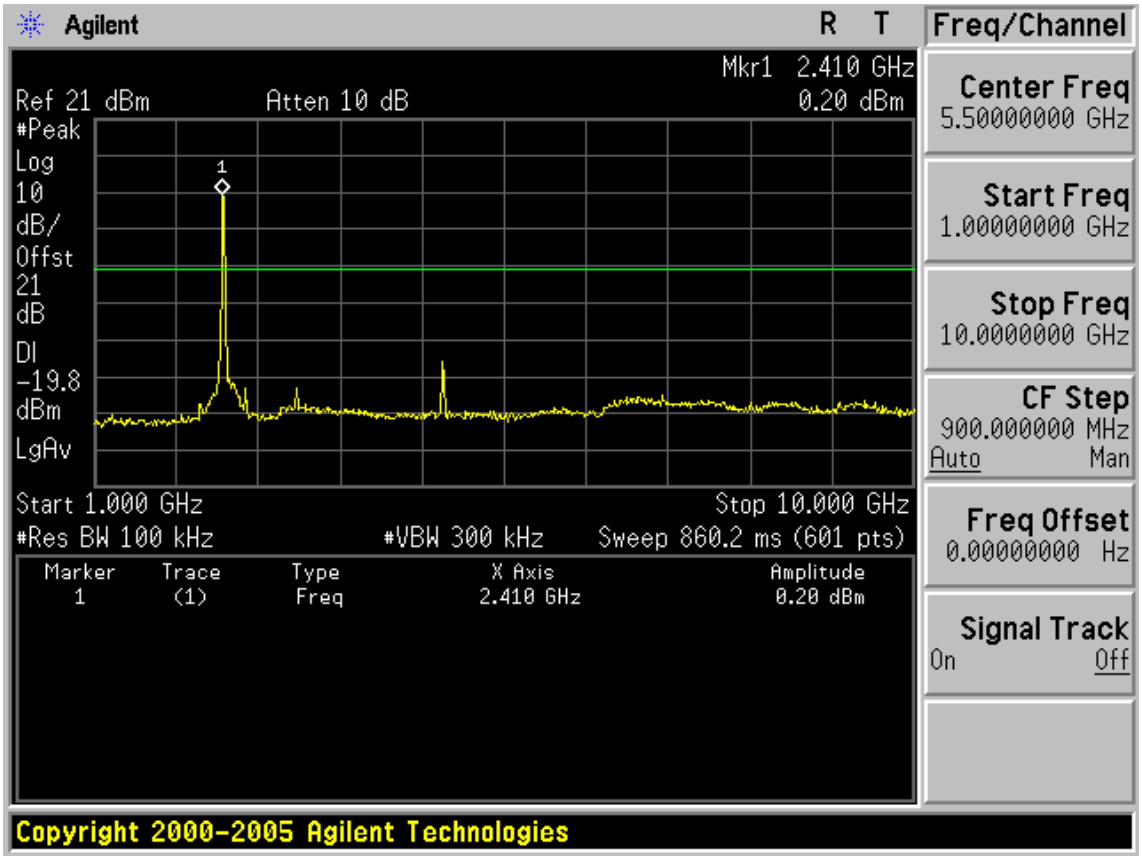


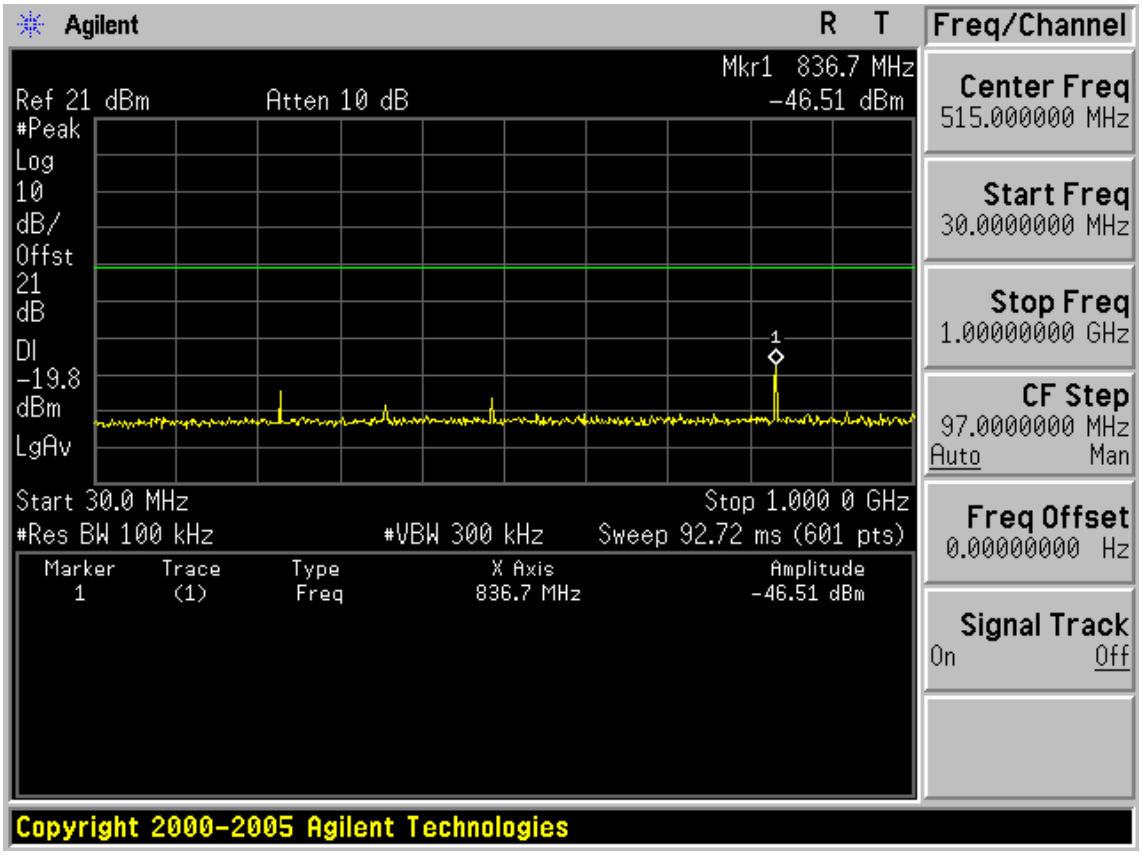

Agilent
R T
Freq/Channel
Mkr1 836.7 MHz
Ref 21 dBm
Atten 10 dB
-46.86 dBm
#Peak
Log
10
dB/
Offst
21
dB
Dl
-18.6
dBm
LgAv
Center Freq
515.000000 MHz
Start Freq
30.0000000 MHz
Stop Freq
1.00000000 GHz
CF Step
97.0000000 MHz
Auto Man
Start 30.0 MHz
Stop 1.000 0 GHz
#Res BW 100 kHz
#VBW 300 kHz
Sweep 92.72 ms (601 pts)
Freq Offset
0.00000000 Hz
Marker Trace Type X Axis Amplitude
1 (1) Freq 836.7 MHz -46.86 dBm
Signal Track
On Off
Copyright 2000-2005 Agilent Technologies

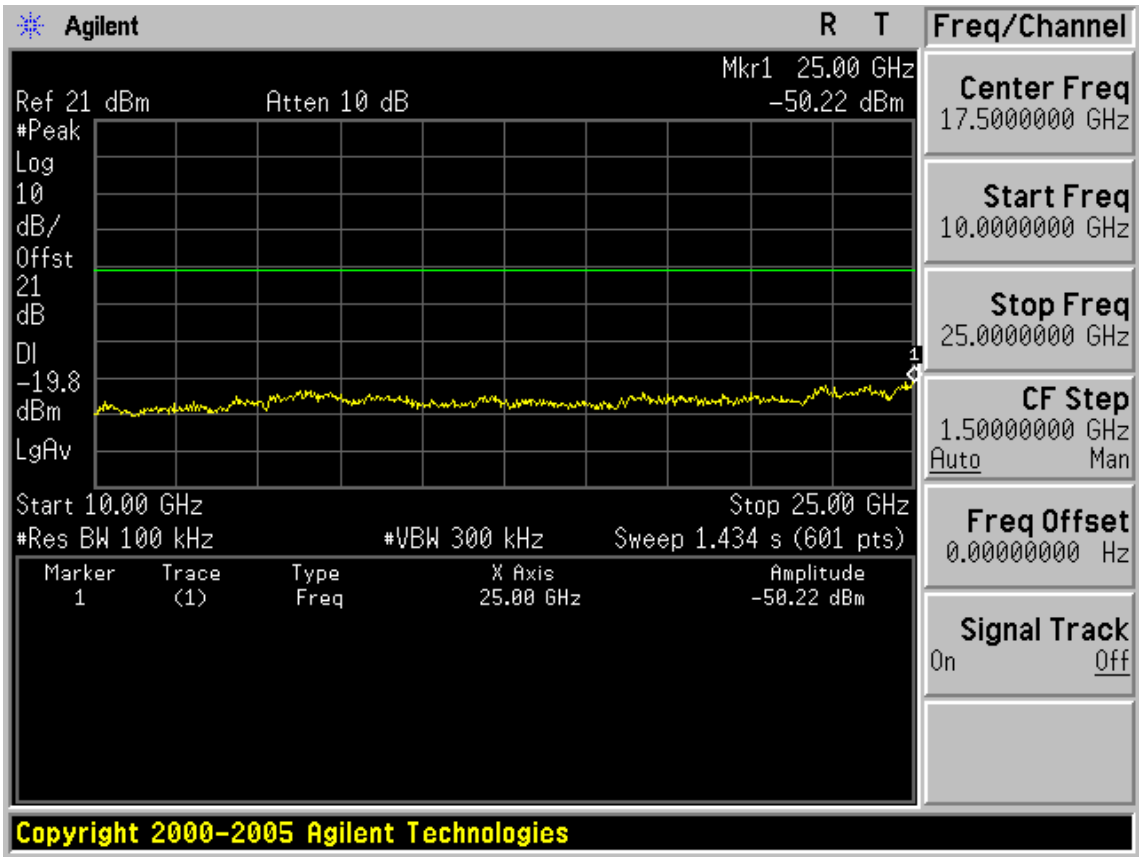

Agilent
R T
Freq/Channel
Mkr1 24.98 GHz
Ref 21 dBm
Atten 10 dB
-50.33 dBm
#Peak
Log
10
dB/
Offst
21
dB
Dl
-18.6
dBm
LgAv
Center Freq
17.5000000 GHz
Start Freq
10.0000000 GHz
Stop Freq
25.0000000 GHz
CF Step
1.50000000 GHz
Auto Man
Start 10.00 GHz
Stop 25.00 GHz
#Res BW 100 kHz
#VBW 300 kHz
Sweep 1.434 s (601 pts)
Freq Offset
0.00000000 Hz
Marker Trace Type X Axis Amplitude
1 (1) Freq 24.98 GHz -50.33 dBm
Signal Track
On Off
Copyright 2000-2005 Agilent Technologies

Test Mode: IEEE 802.11n HT20 TX
Test CH1: 2412MHz

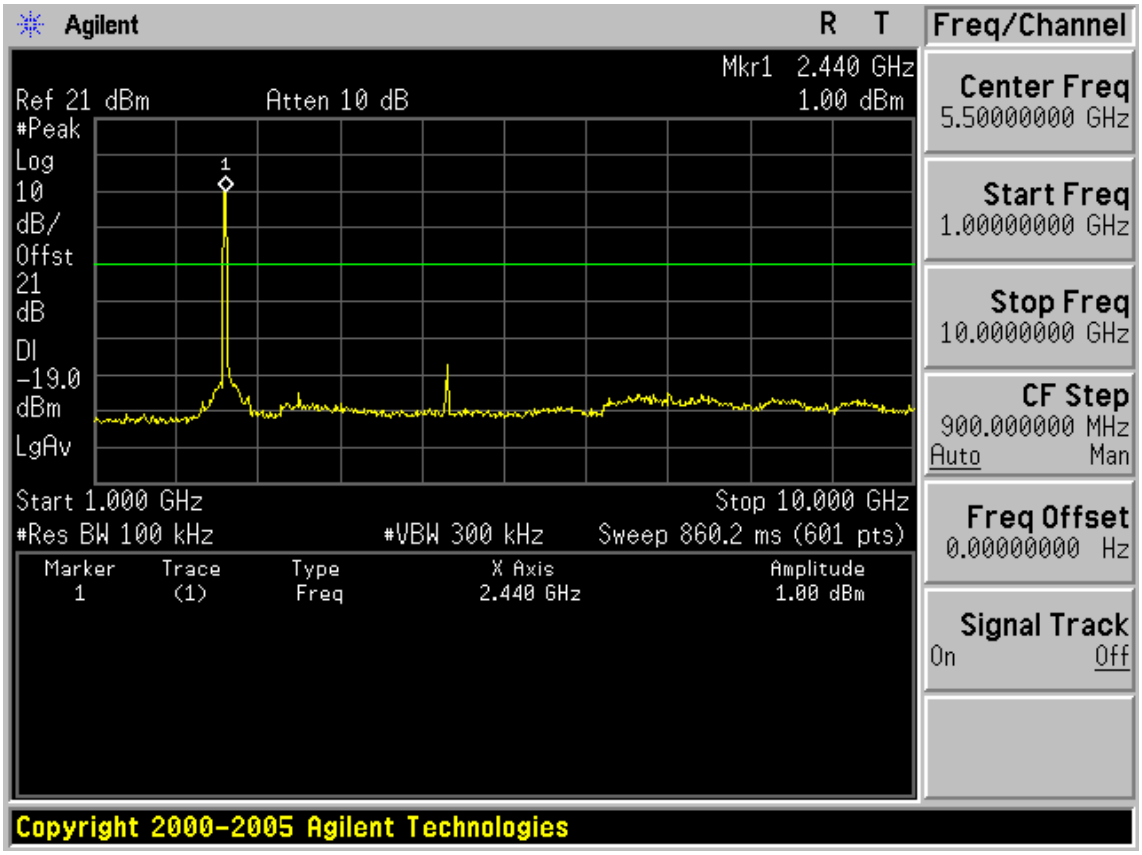


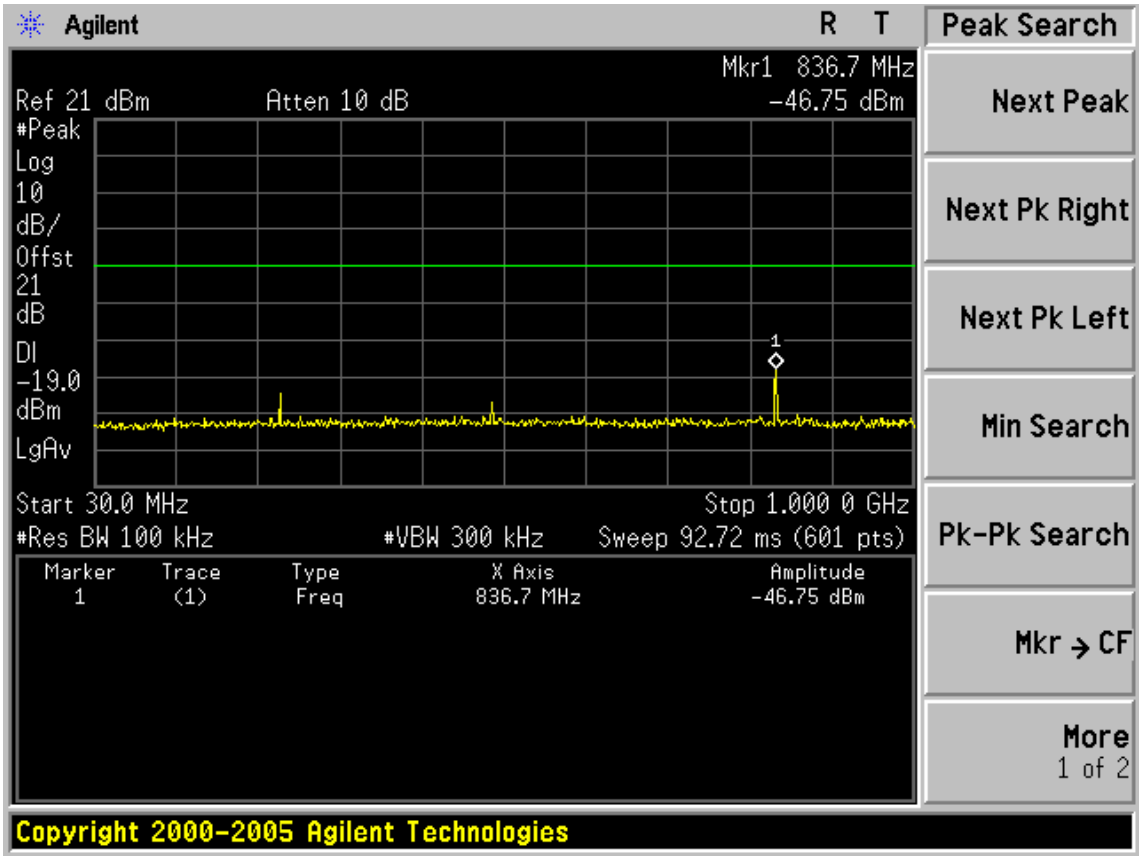


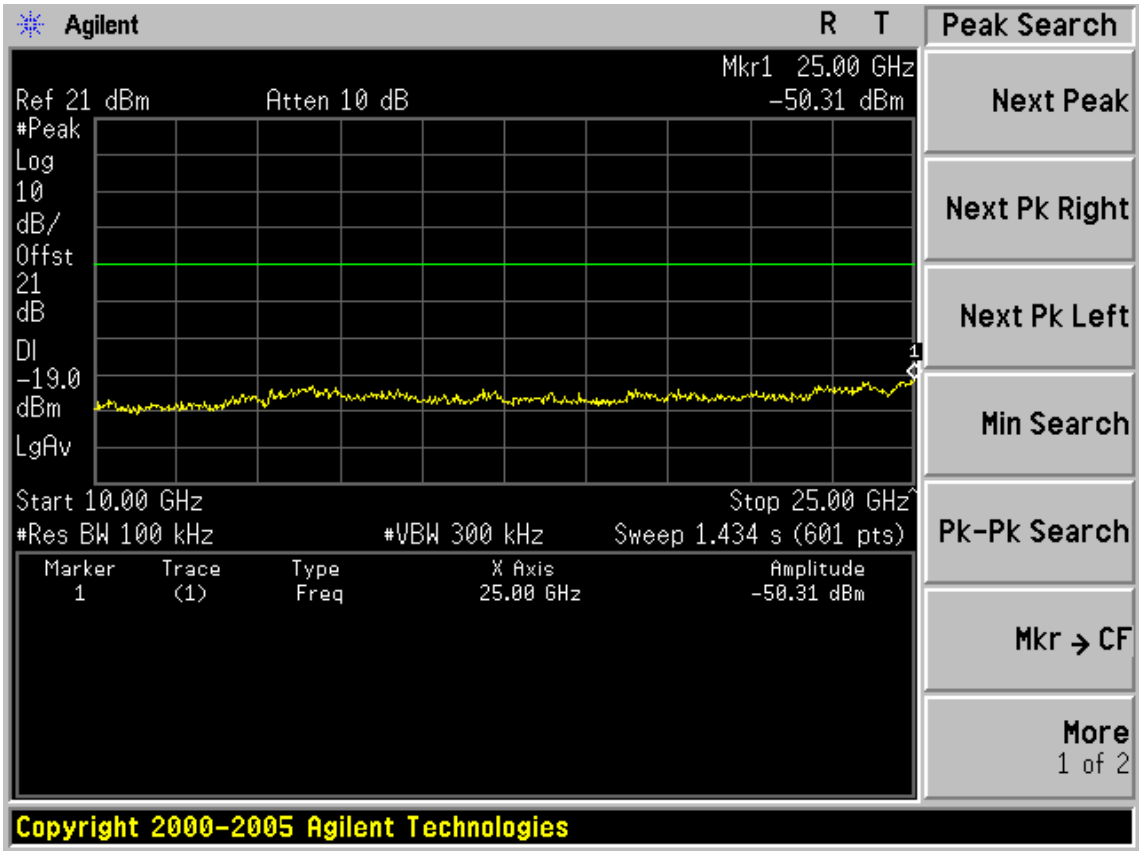

Agilent
R T
Freq/Channel
Mkr1 836.7 MHz
Ref 21 dBm
Atten 10 dB
-46.51 dBm
#Peak
Log
10
dB/
Offst
21
dB
Dl
-19.8
dBm
LgAv
Center Freq
515.000000 MHz
Start Freq
30.0000000 MHz
Stop Freq
1.00000000 GHz
CF Step
97.0000000 MHz
Auto Man
Start 30.0 MHz
Stop 1.000 0 GHz
#Res BW 100 kHz
#VBW 300 kHz
Sweep 92.72 ms (601 pts)
Freq Offset
0.00000000 Hz
Marker Trace Type X Axis Amplitude
1 (1) Freq 836.7 MHz -46.51 dBm
Signal Track
On Off
Copyright 2000-2005 Agilent Technologies


Agilent
R T
Freq/Channel
Mkr1 25.00 GHz
Ref 21 dBm
Atten 10 dB
-50.22 dBm
#Peak
Log
10
dB/
Offst
21
dB
Dl
-19.8
dBm
LgAv
Center Freq
17.5000000 GHz
Start Freq
10.0000000 GHz
Stop Freq
25.0000000 GHz
CF Step
1.50000000 GHz
Auto Man
Start 10.00 GHz
Stop 25.00 GHz
#Res BW 100 kHz
#VBW 300 kHz
Sweep 1.434 s (601 pts)
Freq Offset
0.00000000 Hz
Marker Trace Type X Axis Amplitude
1 (1) Freq 25.00 GHz -50.22 dBm
Signal Track
On Off
Copyright 2000-2005 Agilent Technologies

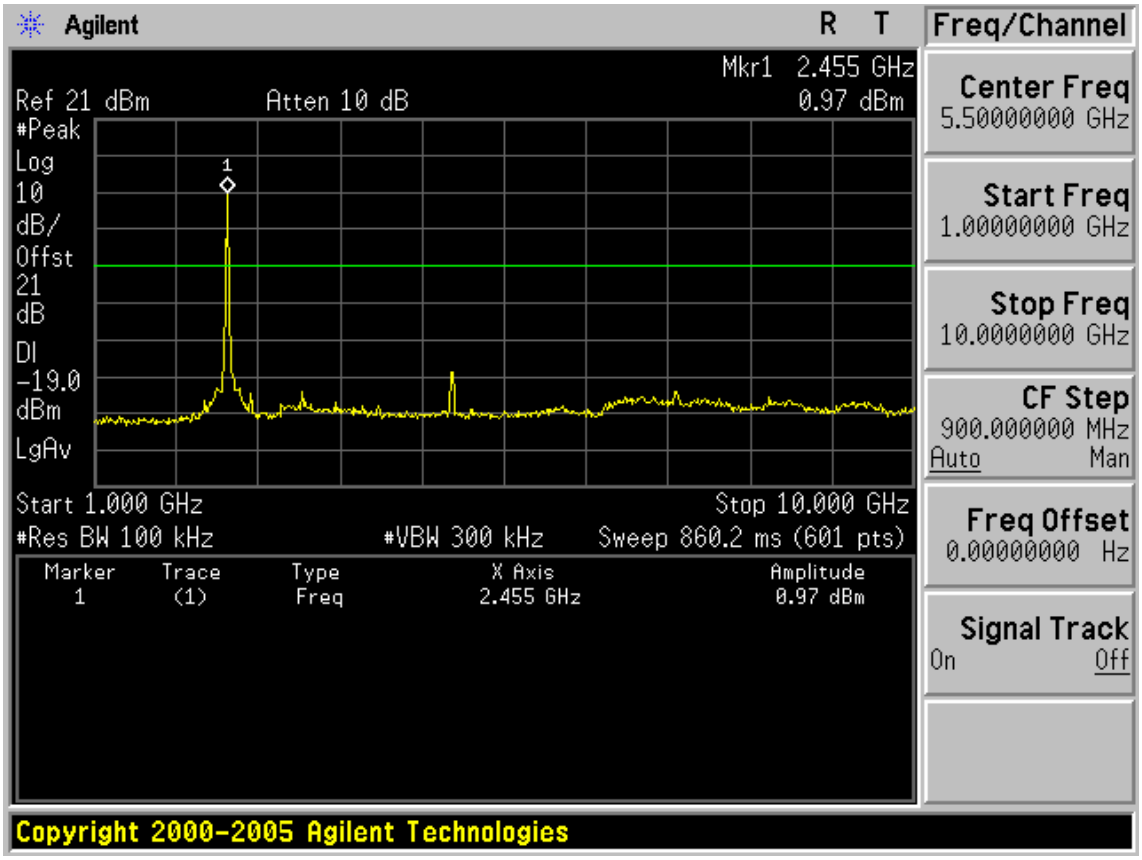
Test CH6: 2437MHz

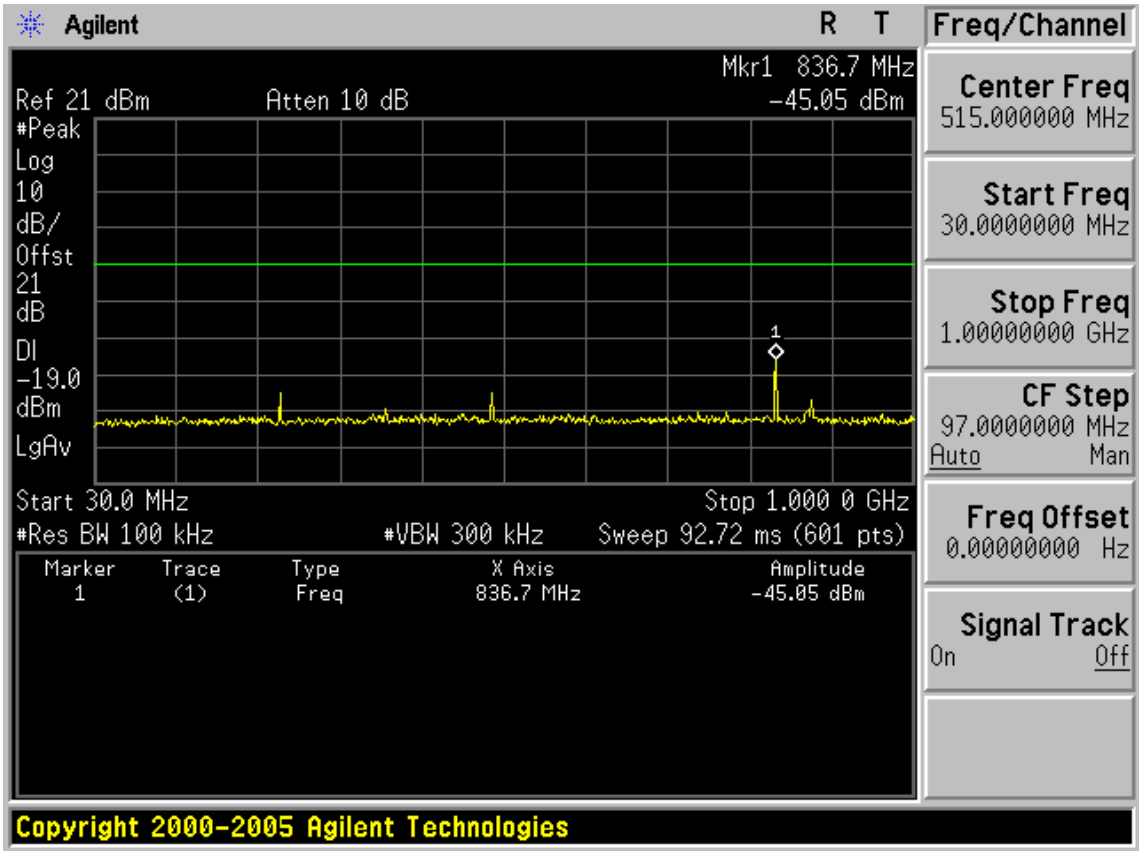


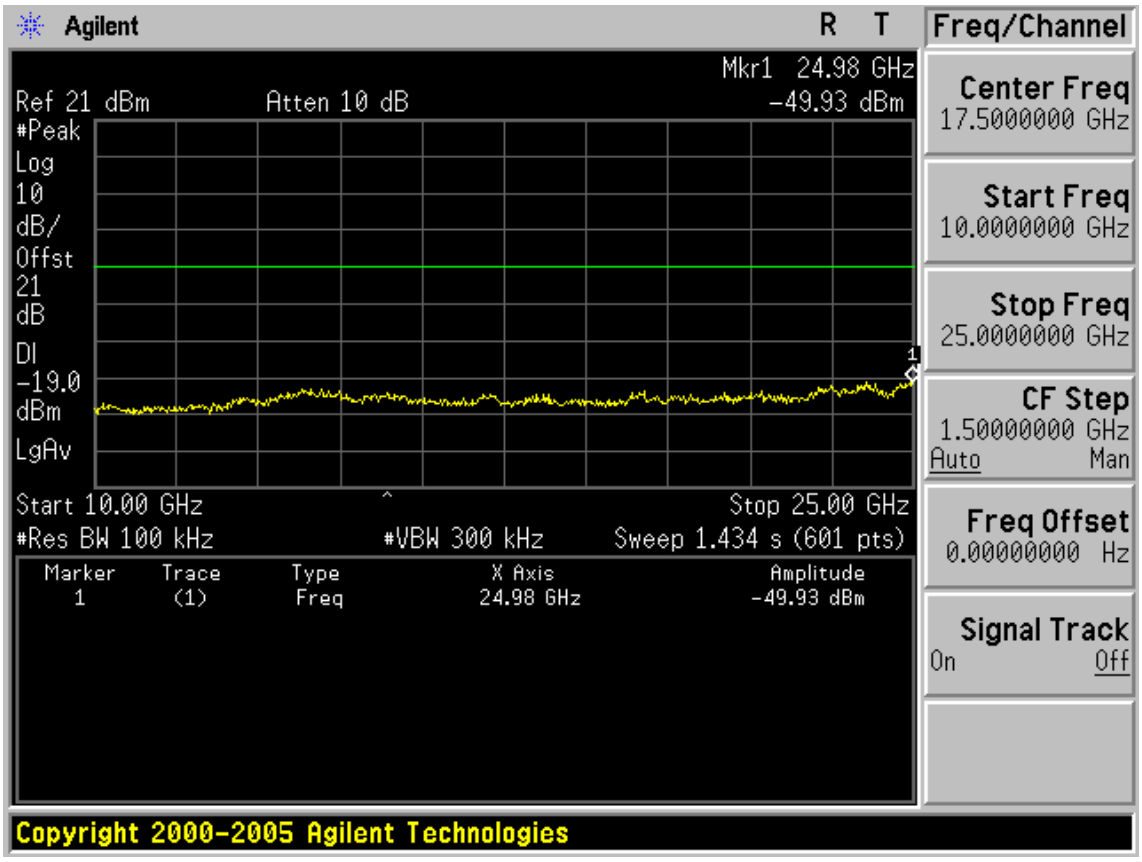


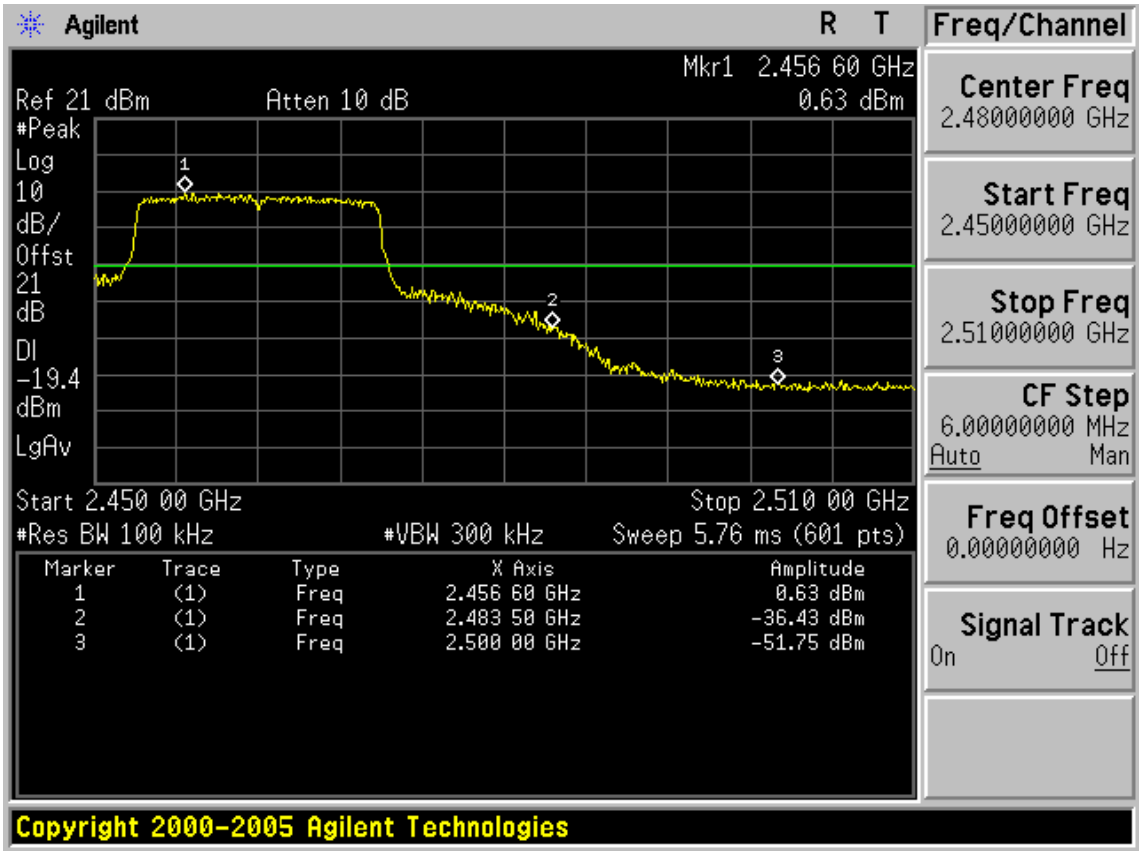


Test CH11: 2462MHz

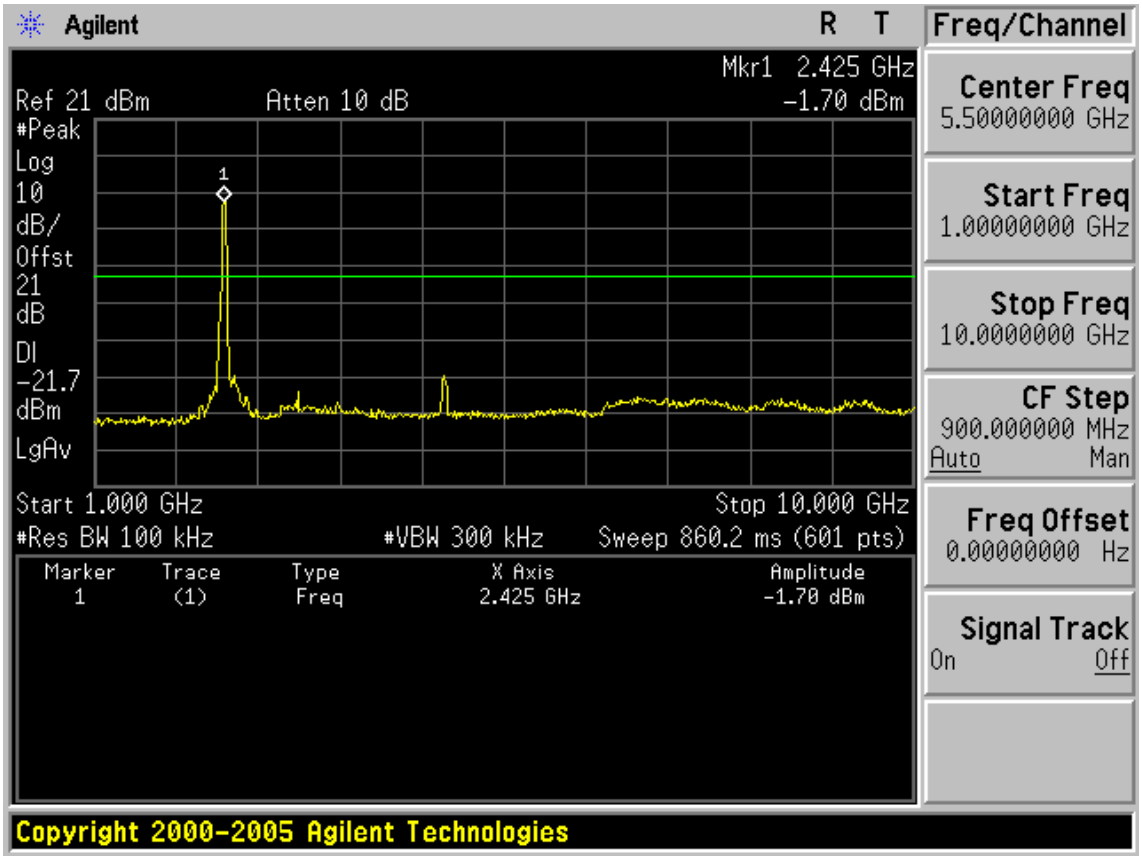


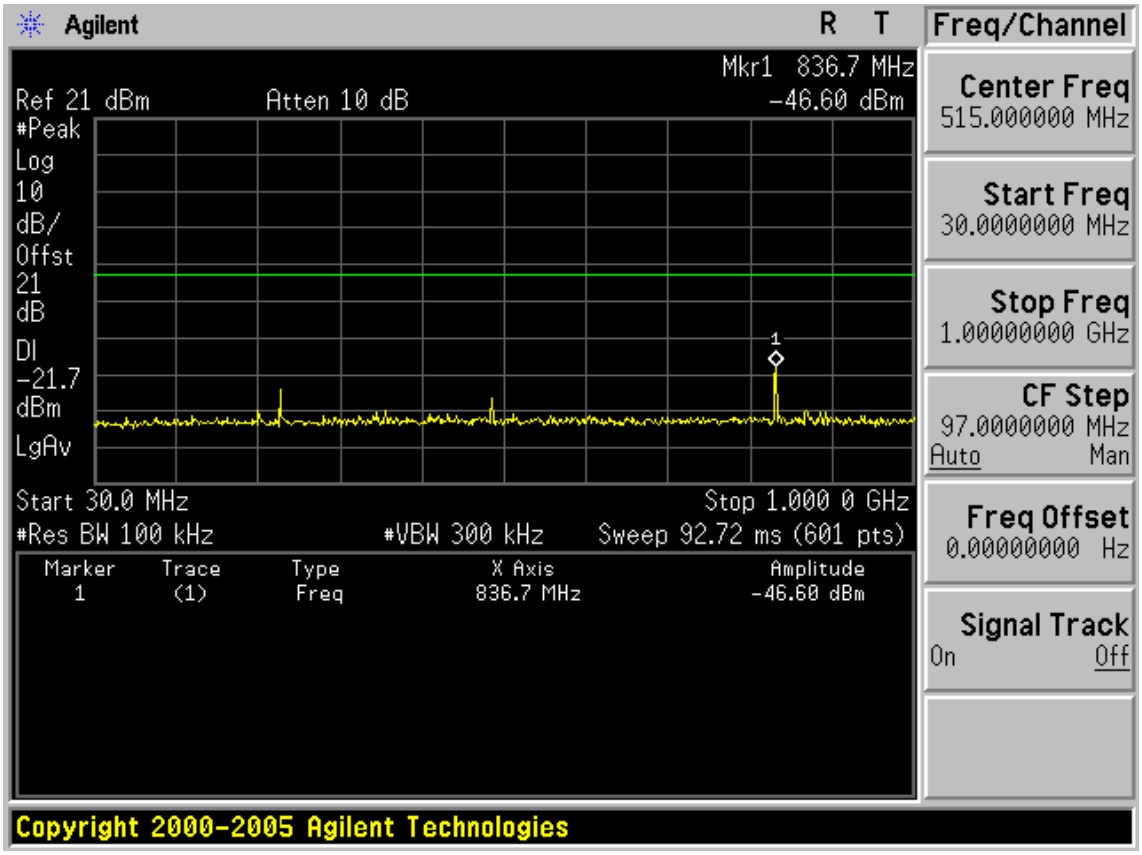

Agilent
R T
Freq/Channel
Mkr1 836.7 MHz
Ref 21 dBm
Atten 10 dB
-45.05 dBm
#Peak
Log
10
dB/
Offst
21
dB
Dl
-19.0
dBm
LgAv
Center Freq
515.000000 MHz
Start Freq
30.0000000 MHz
Stop Freq
1.00000000 GHz
CF Step
97.0000000 MHz
Auto Man
Start 30.0 MHz
Stop 1.000 0 GHz
#Res BW 100 kHz
#VBW 300 kHz
Sweep 92.72 ms (601 pts)
Freq Offset
0.00000000 Hz
Marker Trace Type X Axis Amplitude
1 (1) Freq 836.7 MHz -45.05 dBm
Signal Track
On Off
Copyright 2000-2005 Agilent Technologies

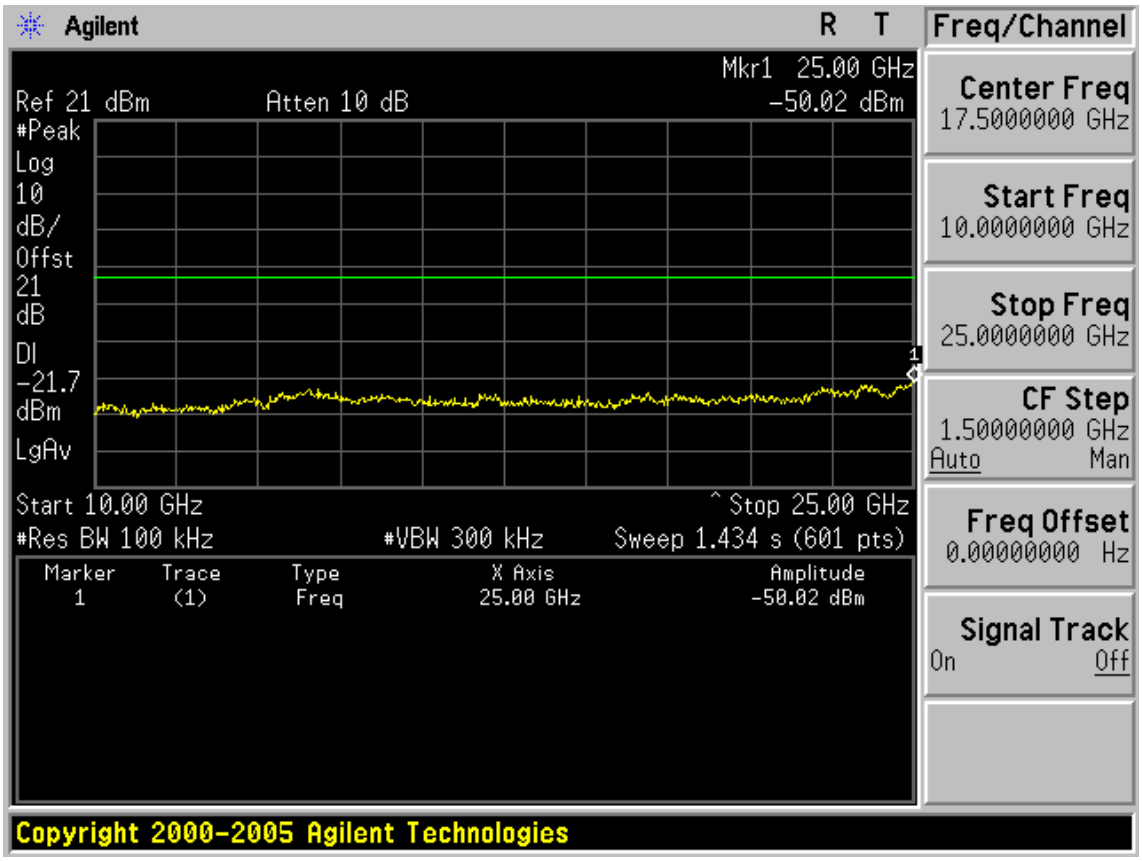

Agilent
R T
Freq/Channel
Mkr1 24.98 GHz
Ref 21 dBm
Atten 10 dB
-49.93 dBm
#Peak
Log
10
dB/
Offst
21
dB
Dl
-19.0
dBm
LgAv
Center Freq
17.5000000 GHz
Start Freq
10.0000000 GHz
Stop Freq
25.0000000 GHz
CF Step
1.50000000 GHz
Auto Man
Start 10.00 GHz
Stop 25.00 GHz
#Res BW 100 kHz
#VBW 300 kHz
Sweep 1.434 s (601 pts)
Freq Offset
0.00000000 Hz
Marker Trace Type X Axis Amplitude
1 (1) Freq 24.98 GHz -49.93 dBm
Signal Track
On Off
Copyright 2000-2005 Agilent Technologies

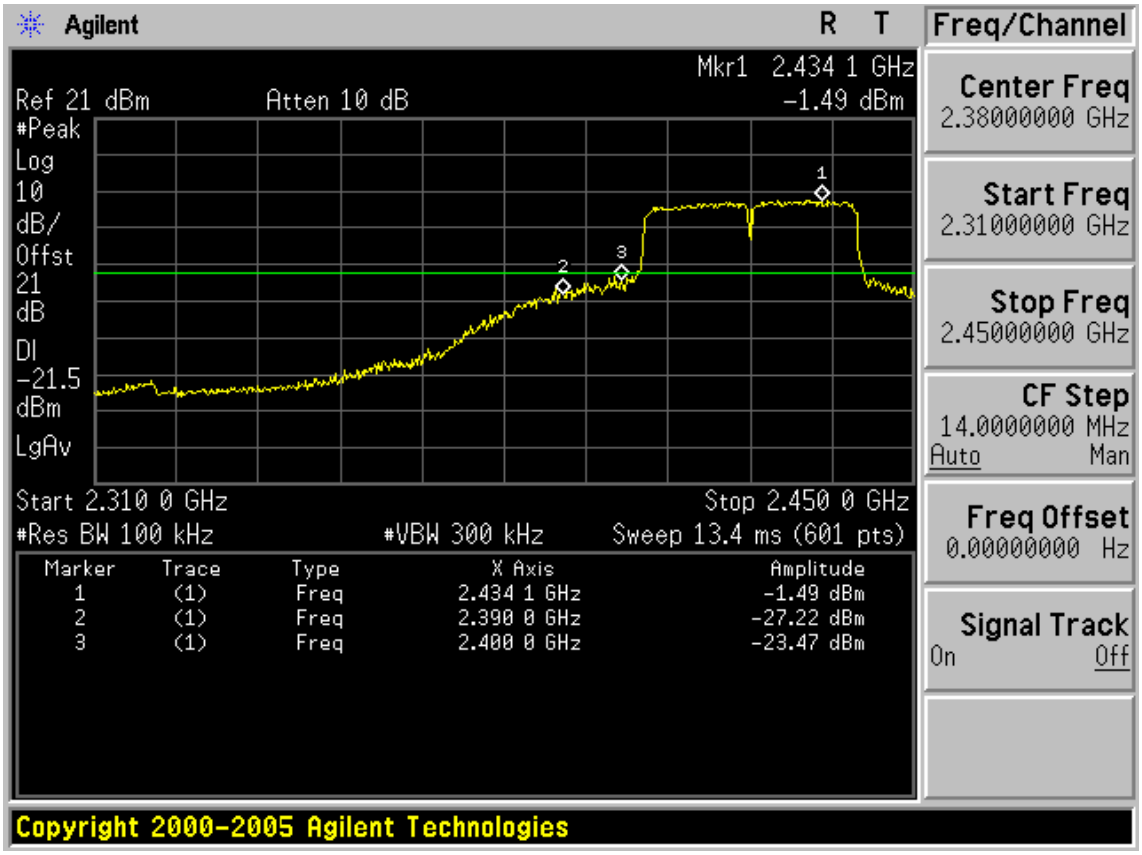


Test Mode: IEEE 802.11n HT40 TX
Test CH1: 2422MHz

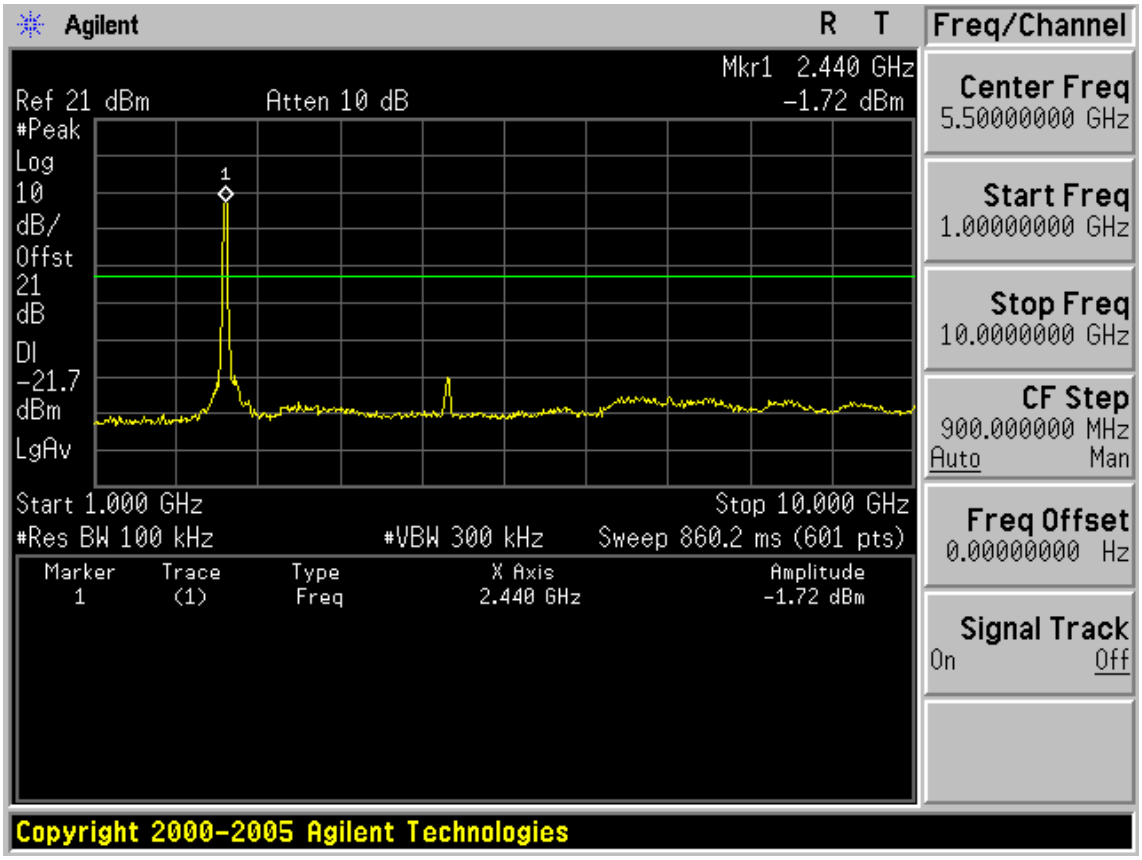


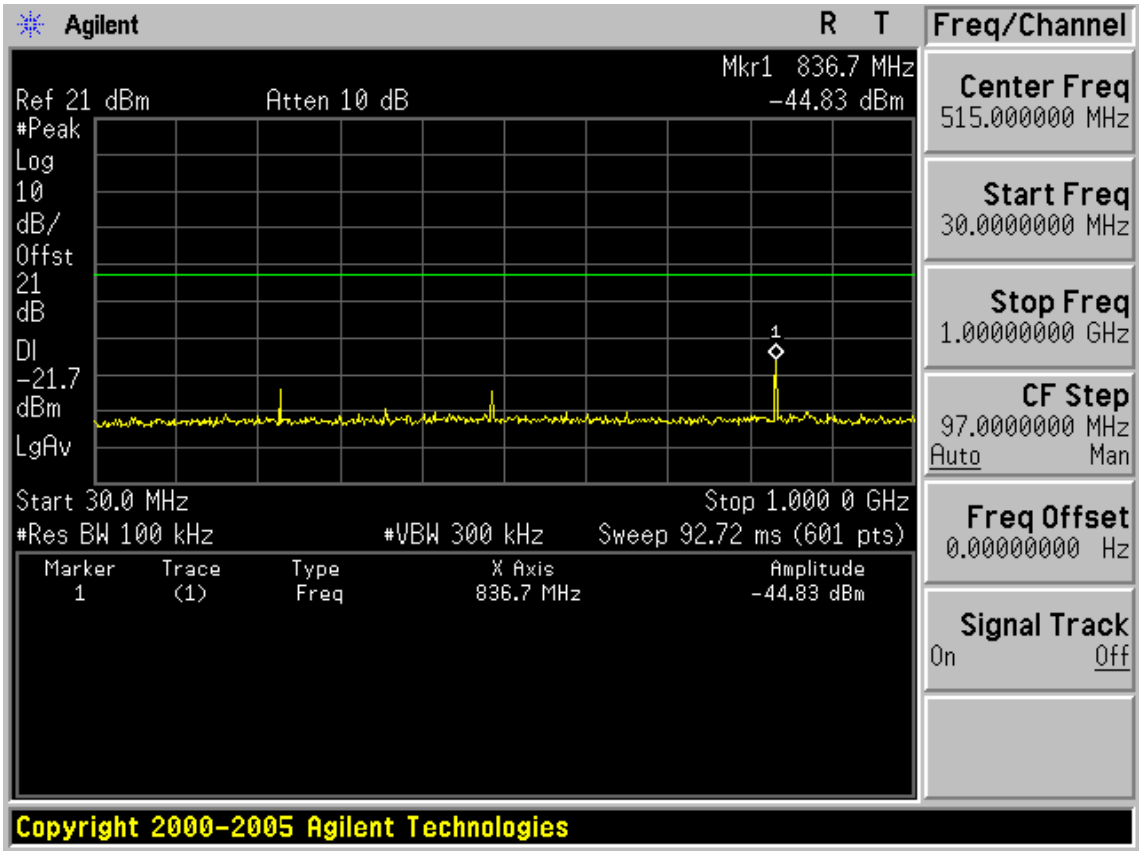

Agilent
R T
Freq/Channel
Mkr1 836.7 MHz
Ref 21 dBm
Atten 10 dB
-46.60 dBm
#Peak
Log
10
dB/
Offst
21
dB
Dl
-21.7
dBm
LgAv
Center Freq
515.000000 MHz
Start Freq
30.0000000 MHz
Stop Freq
1.00000000 GHz
CF Step
97.0000000 MHz
Auto Man
Start 30.0 MHz
Stop 1.000 0 GHz
#Res BW 100 kHz
#VBW 300 kHz
Sweep 92.72 ms (601 pts)
Freq Offset
0.00000000 Hz
Marker Trace Type X Axis Amplitude
1 (1) Freq 836.7 MHz -46.60 dBm
Signal Track
On Off
Copyright 2000-2005 Agilent Technologies

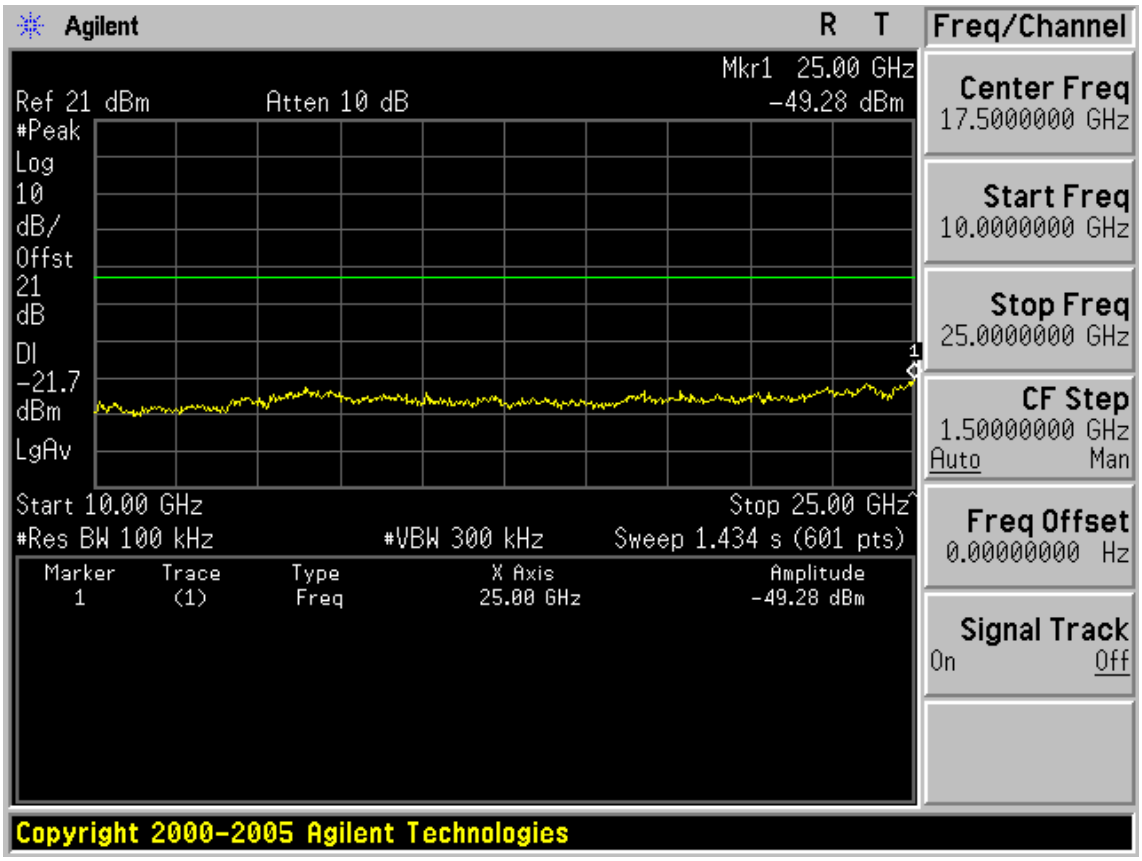

Agilent
R T
Freq/Channel
Mkr1 25.00 GHz
Ref 21 dBm
Atten 10 dB
-50.02 dBm
#Peak
Log
10
dB/
Offst
21
dB
Dl
-21.7
dBm
LgAv
Center Freq
17.5000000 GHz
Start Freq
10.0000000 GHz
Stop Freq
25.0000000 GHz
CF Step
1.50000000 GHz
Auto Man
Start 10.00 GHz
Stop 25.00 GHz
#Res BW 100 kHz
#VBW 300 kHz
Sweep 1.434 s (601 pts)
Freq Offset
0.00000000 Hz
Marker Trace Type X Axis Amplitude
1 (1) Freq 25.00 GHz -50.02 dBm
Signal Track
On Off
Copyright 2000-2005 Agilent Technologies



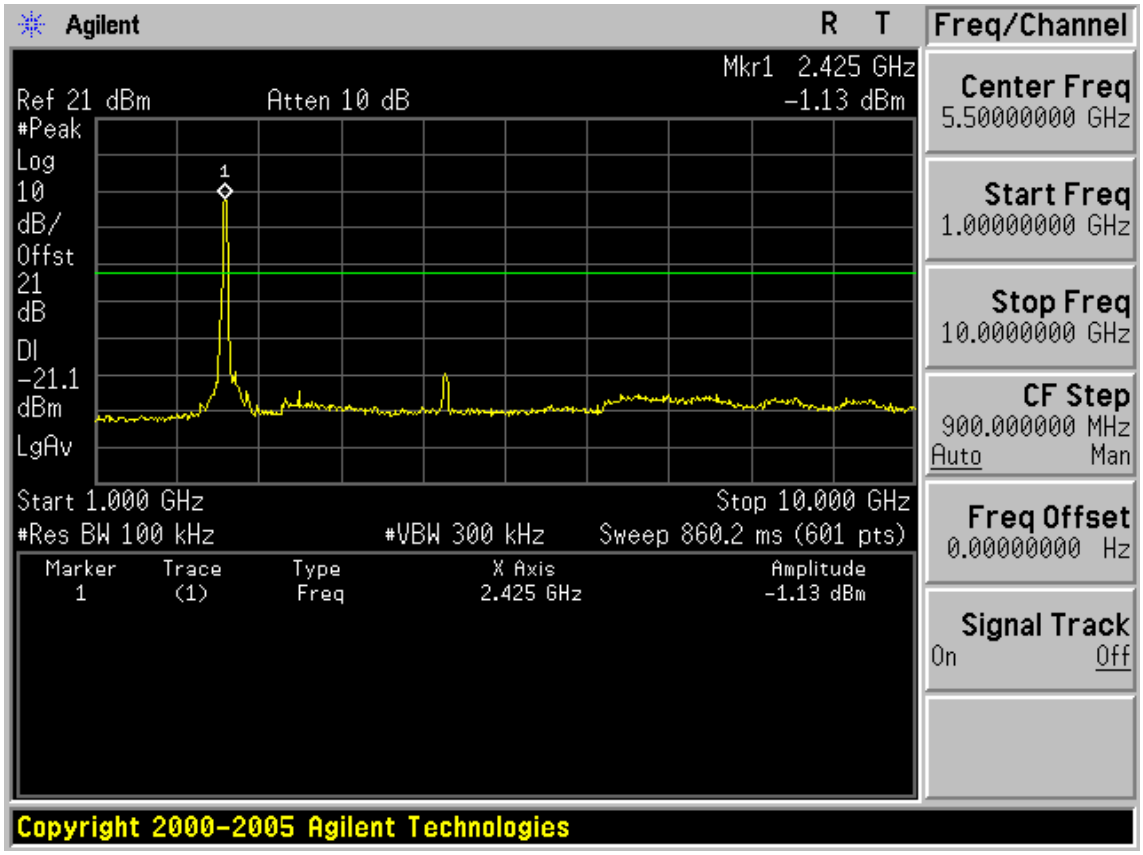
Test CH4: 2437MHz

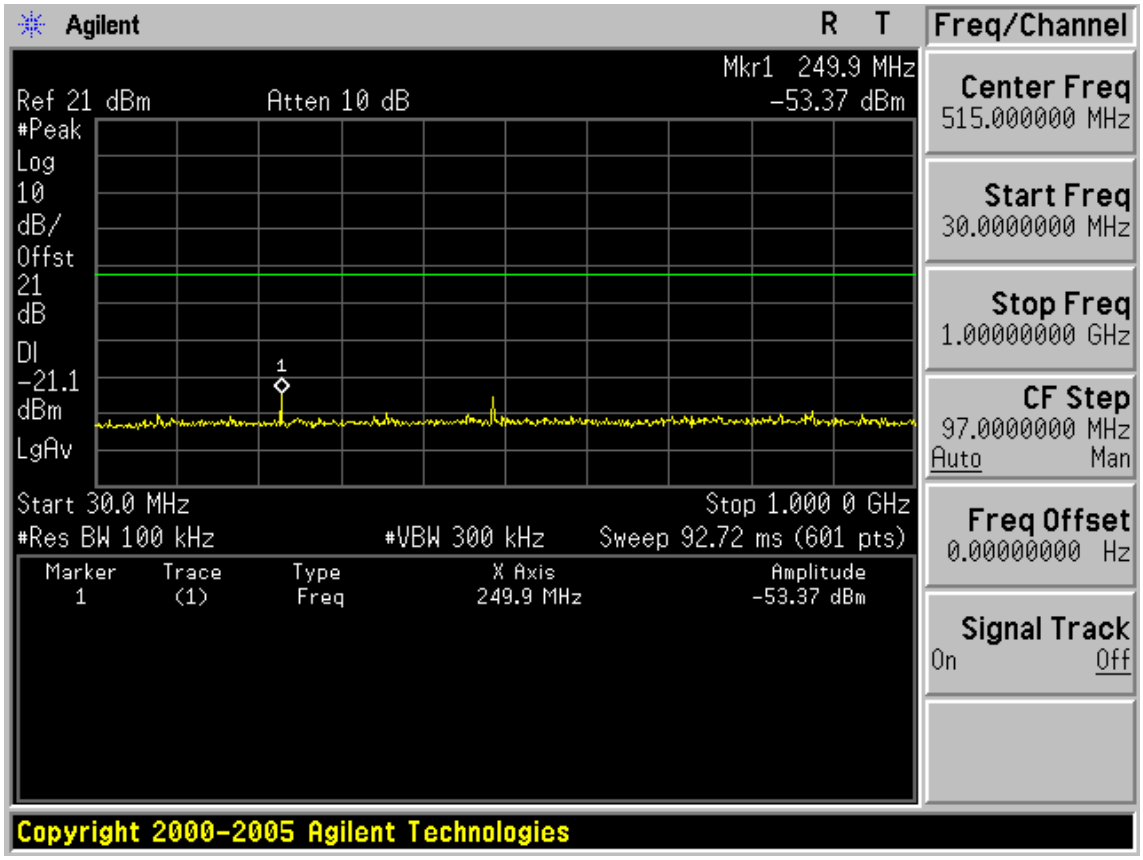


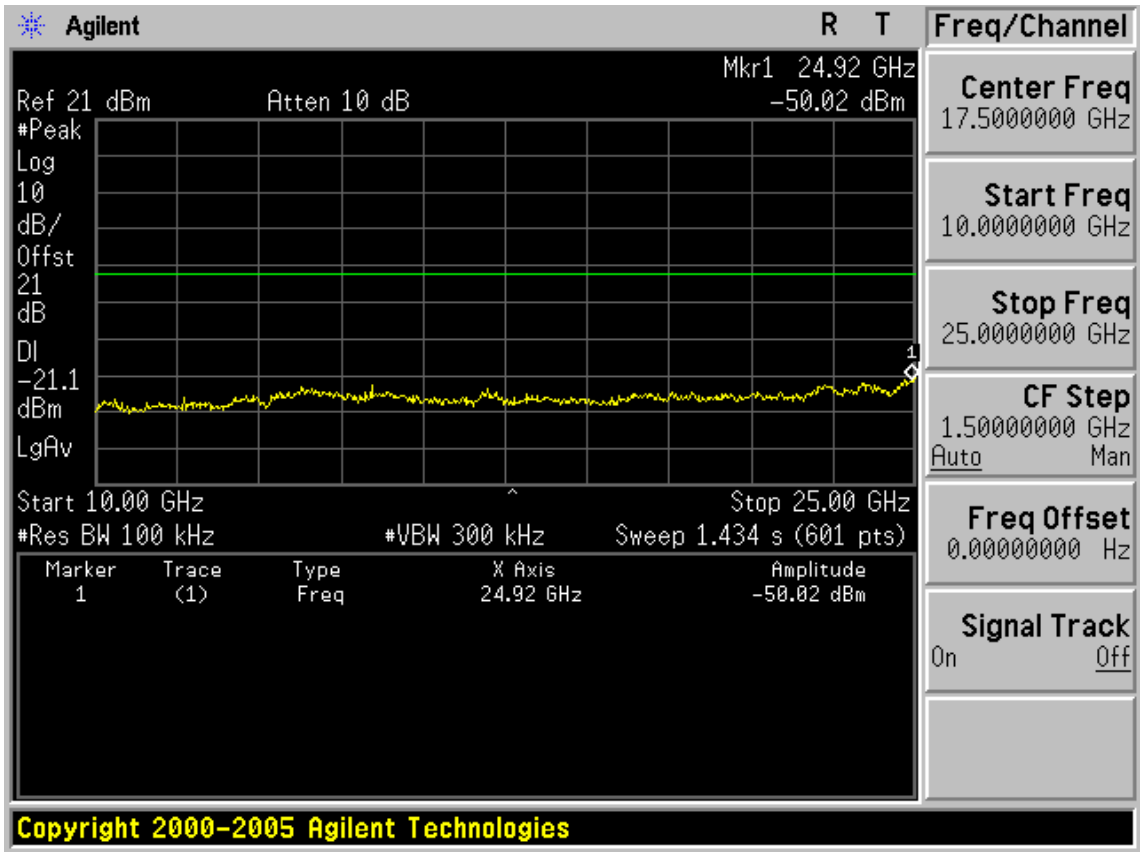

Agilent
R T
Freq/Channel
Mkr1 836.7 MHz
Ref 21 dBm
Atten 10 dB
-44.83 dBm
#Peak
Log
10
dB/
Offst
21
dB
Dl
-21.7
dBm
LgAv
Center Freq
515.000000 MHz
Start Freq
30.0000000 MHz
Stop Freq
1.00000000 GHz
CF Step
97.0000000 MHz
Auto Man
Start 30.0 MHz
Stop 1.000 0 GHz
#Res BW 100 kHz
#VBW 300 kHz
Sweep 92.72 ms (601 pts)
Freq Offset
0.00000000 Hz
Marker Trace Type X Axis Amplitude
1 (1) Freq 836.7 MHz -44.83 dBm
Signal Track
On Off
Copyright 2000-2005 Agilent Technologies

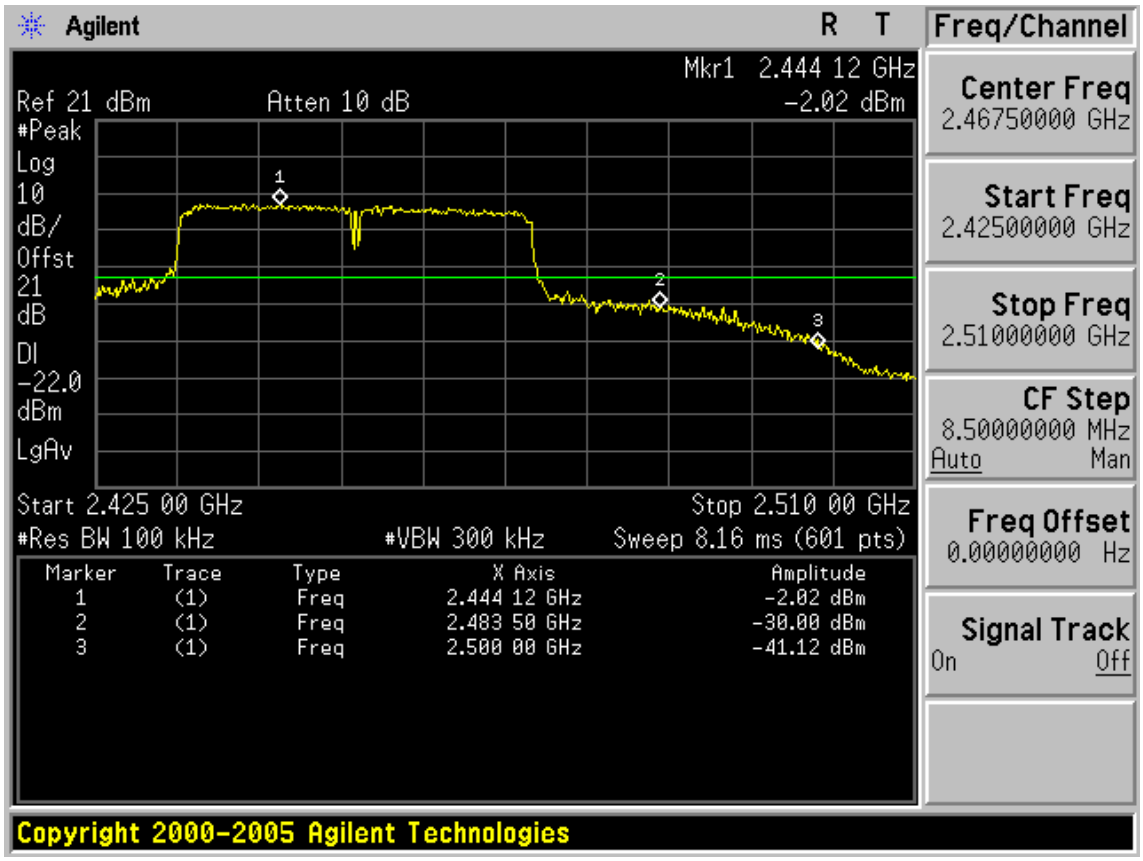

Agilent
R T
Freq/Channel
Mkr1 25.00 GHz
Ref 21 dBm
Atten 10 dB
-49.28 dBm
#Peak
Log
10
dB/
Offst
21
dB
Dl
-21.7
dBm
LgAv
Center Freq
17.5000000 GHz
Start Freq
10.0000000 GHz
Stop Freq
25.0000000 GHz
CF Step
1.50000000 GHz
Auto Man
Start 10.00 GHz
Stop 25.00 GHz
#Res BW 100 kHz
#VBW 300 kHz
Sweep 1.434 s (601 pts)
Freq Offset
0.00000000 Hz
Marker Trace Type X Axis Amplitude
1 (1) Freq 25.00 GHz -49.28 dBm
Signal Track
On Off
Copyright 2000-2005 Agilent Technologies

Test CH7: 2452MHz






Agilent
R T
Freq/Channel
Mkr1 24.92 GHz
Ref 21 dBm
Atten 10 dB
-50.02 dBm
#Peak
Log
10
dB/
Offst
21
dB
Dl
-21.1
dBm
LgAv
Center Freq
17.5000000 GHz
Start Freq
10.0000000 GHz
Stop Freq
25.0000000 GHz
CF Step
1.50000000 GHz
Auto Man
Start 10.00 GHz
Stop 25.00 GHz
#Res BW 100 kHz
#VBW 300 kHz
Sweep 1.434 s (601 pts)
Freq Offset
0.00000000 Hz
Marker Trace Type X Axis Amplitude
1 (1) Freq 24.92 GHz -50.02 dBm
Signal Track
On Off
Copyright 2000-2005 Agilent Technologies


Agilent
R T
Freq/Channel
Mkr1 2.444 12 GHz
Ref 21 dBm
Atten 10 dB
-2.02 dBm
#Peak
Log
10
dB/
Offst
21
dB
Dl
-22.0
dBm
LgAv
Center Freq
2.46750000 GHz
Start Freq
2.42500000 GHz
Stop Freq
2.51000000 GHz
CF Step
8.50000000 MHz
Auto Man
Start 2.425 00 GHz
Stop 2.510 00 GHz
#Res BW 100 kHz
#VBW 300 kHz
Sweep 8.16 ms (601 pts)
Freq Offset
0.00000000 Hz
Marker Trace Type X Axis Amplitude
1 (1) Freq 2.444 12 GHz -2.02 dBm
2 (1) Freq 2.483 50 GHz -30.00 dBm
3 (1) Freq 2.500 00 GHz -41.12 dBm
Signal Track
On Off
Copyright 2000-2005 Agilent Technologies

6. BAND EDGE COMPLIANCE TEST

6.1.Test Equipment

Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
1.	Spectrum	Agilent	E4446A	US44300459	May.08, 13	1 Year
2.	Amp	HP	8449B	3008A08495	May.08, 13	1 Year
3.	Horn Antenna	EMCO	3115	9510-4580	May.28, 13	1 Year
4.	HF Cable	Hubersuhne	Sucoflex104	-	May.08, 13	1 Year

6.2.Limit

All the lower and upper band-edges emissions appearing within 2310MHz to 2390MHz and 2483.5MHz to 2500MHz restricted frequency bands shall not exceed the limits shown in 15.209, all the other emissions outside operation frequency band 2400MHz to 2483.5MHz shall be at least 20dB below the fundamental emissions, or comply with 15.209 limits.

6.3.Test Produce

1. The EUT is placed on a turntable, which is 0.8m above the ground plane and worked at highest radiated power.

2. The turntable was rotated for 360 degrees to determine the position of maximum emission level.

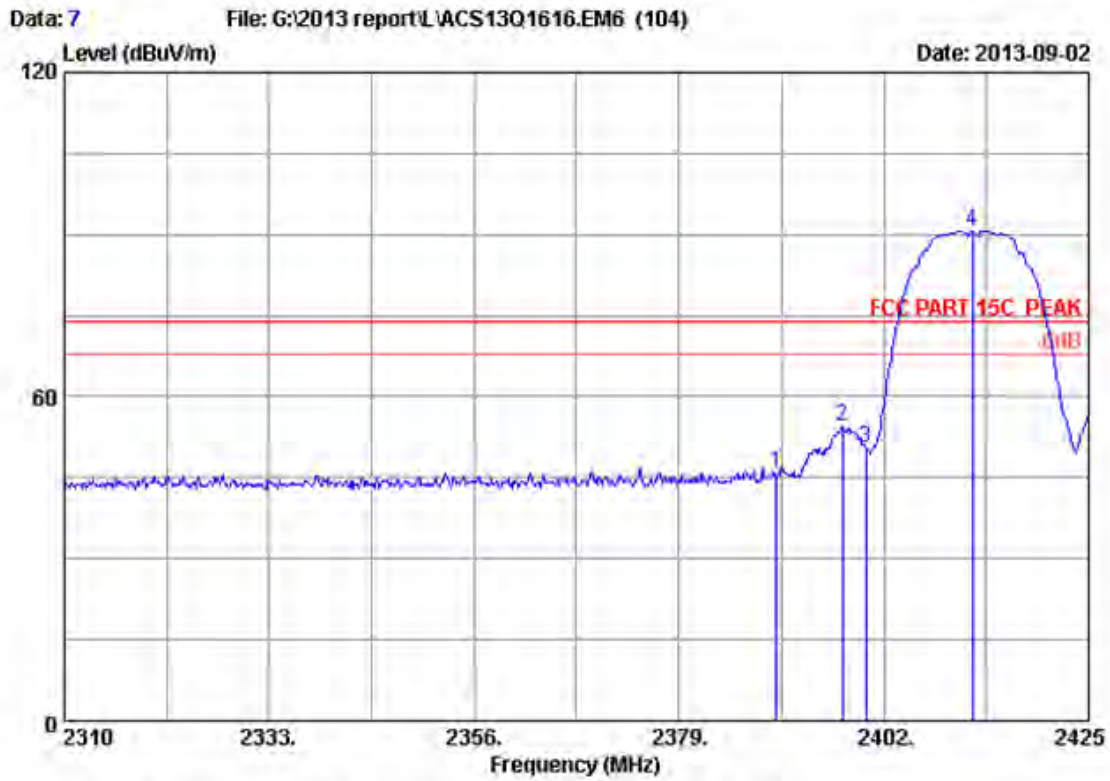
3. EUT is set 3m away from the receiving antenna, which is varied from 1m to 4m to find out the highest emission.

4. Set the spectrum analyzer in the following setting in order to capture the lower and upper band-edges of the emission:

(a) PEAK: RBW=1MHz; VBW=3MHz; Sweep=AUTO
(b) AVERAGE: RBW=1MHz; VBW=10Hz; Sweep=AUTO

6.4.Test Results

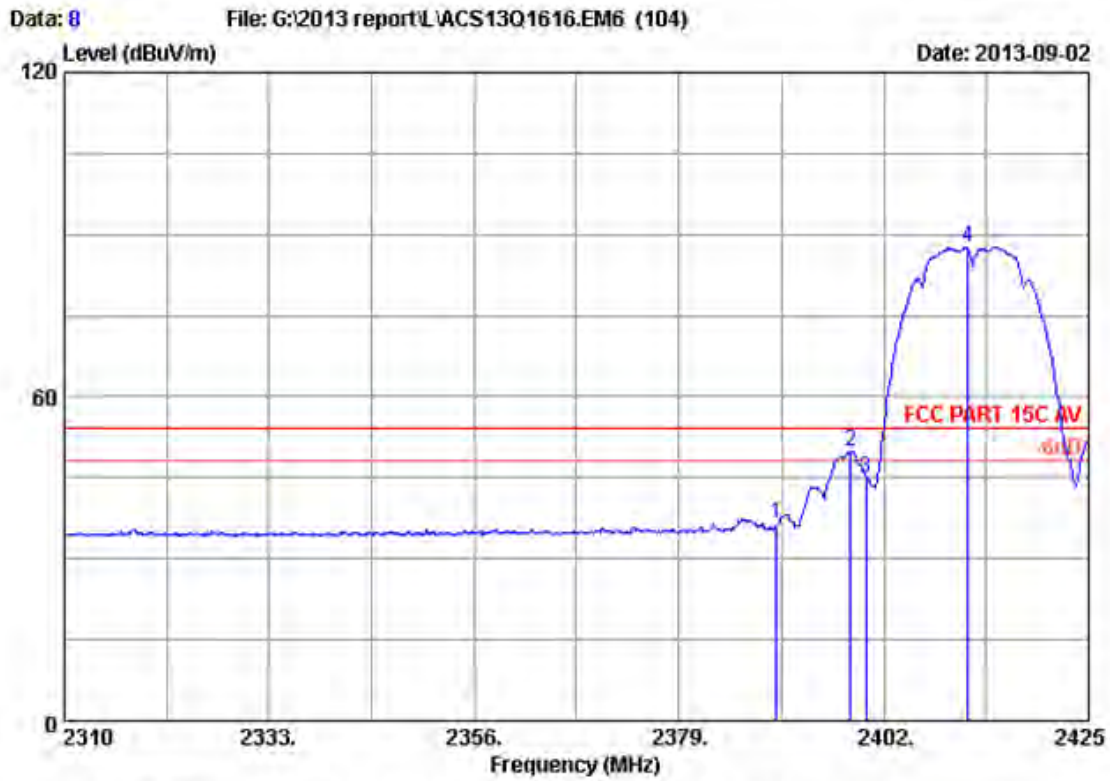
Pass (The testing data was attached in the next pages.)



Site no. : 3m Chamber Data no. : 7
Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : VERTICAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23*C/54% Engineer : Leo-Li
EUT : Ultrathin Wireless Router
Power supply : DC 5V From PC Input AC 120V/60Hz
Test mode : IEEE802.11b 2412MHz Tx Mode
R100

	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2390.000	26.70	5.78	35.70	48.86	45.64	74.00	28.36	Peak
2	2397.400	26.74	5.79	35.70	57.53	54.36	74.00	19.64	Peak
3	2400.000	26.76	5.80	35.70	53.56	50.42	74.00	23.58	Peak
4	2412.005	26.84	5.81	35.70	93.73	90.68	74.00	-16.68	Peak

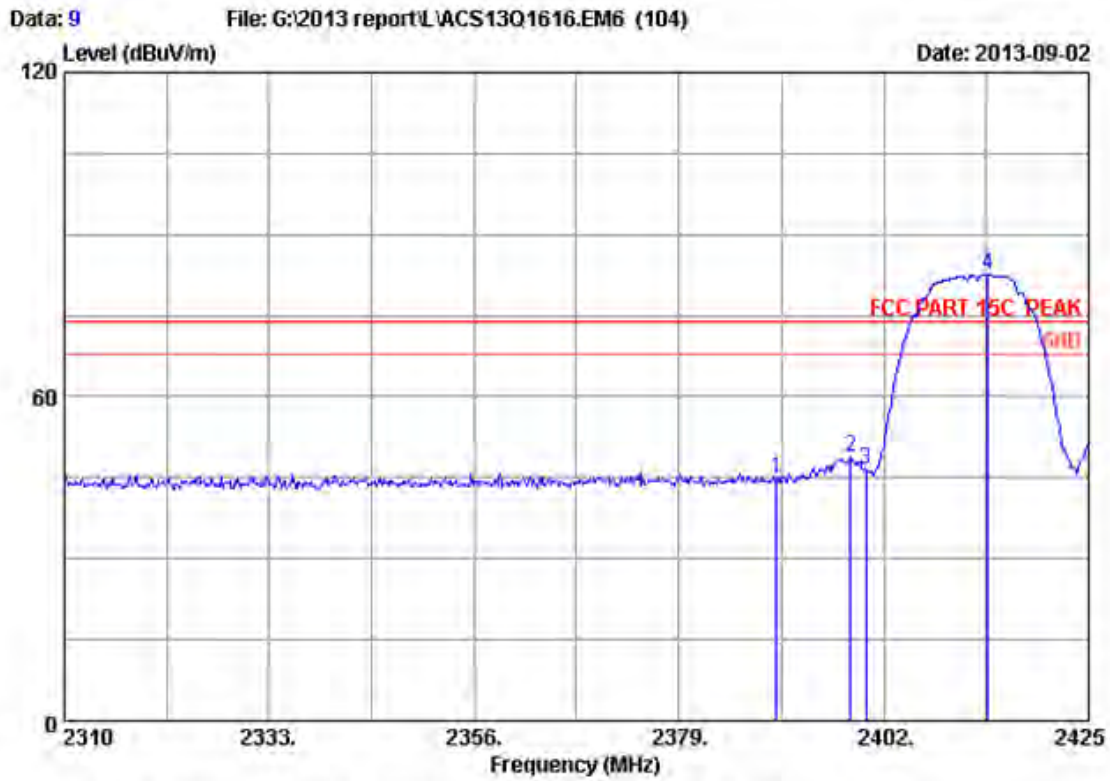
Remarks:
1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 8
Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : VERTICAL
Limit : FCC PART 15C AV
Env. / Ins. : 23*C/54% Engineer : Leo-Li
EUT : Ultrathin Wireless Router
Power supply : DC 5V From PC Input AC 120V/60Hz
Test mode : IEEE802.11b 2412MHz Tx Mode
R100

	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2390.000	26.70	5.78	35.70	39.51	36.29	54.00	17.71	Average
2	2398.320	26.75	5.79	35.70	53.05	49.89	54.00	4.11	Average
3	2400.000	26.76	5.80	35.70	48.07	44.93	54.00	9.07	Average
4	2411.430	26.83	5.81	35.70	90.65	87.59	54.00	-33.59	Average

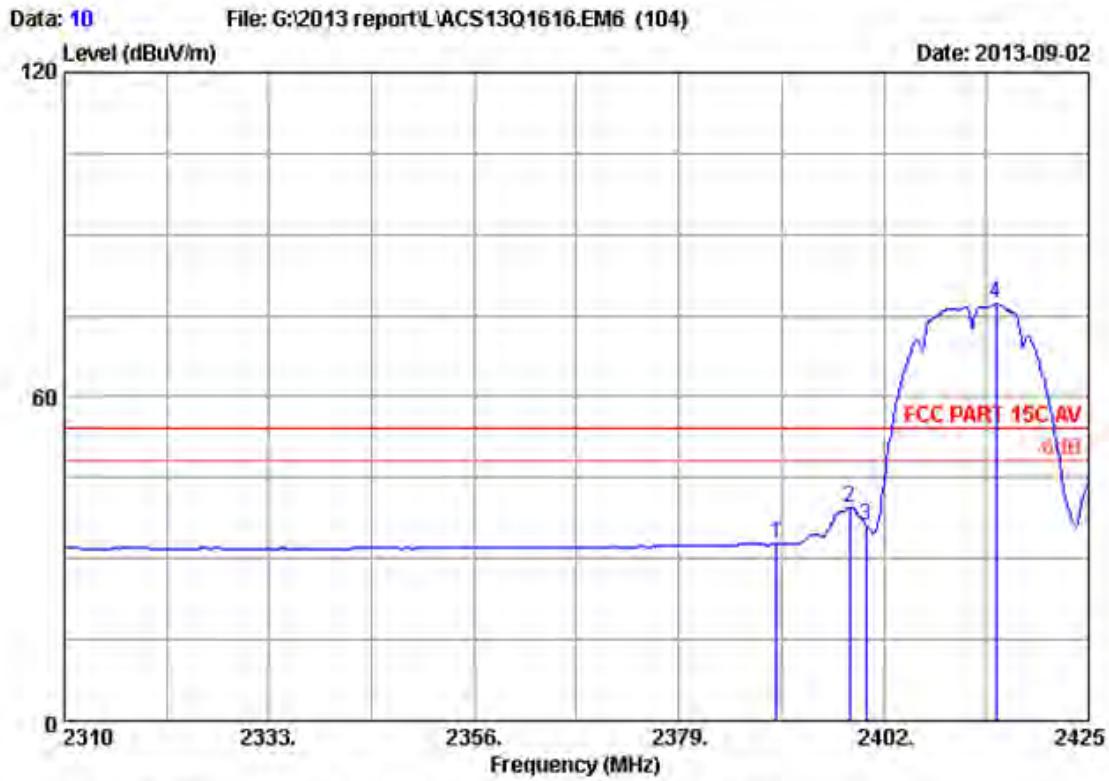
Remarks:
1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 9
Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : HORIZONTAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23*C/54% Engineer : Leo-Li
EUT : Ultrathin Wireless Router
Power supply : DC 5V From PC Input AC 120V/60Hz
Test mode : IEEE802.11b 2412MHz Tx Mode
R100

	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2390.000	26.70	5.78	35.70	48.05	44.83	74.00	29.17	Peak
2	2398.320	26.75	5.79	35.70	51.83	48.67	74.00	25.33	Peak
3	2400.000	26.76	5.80	35.70	49.48	46.34	74.00	27.66	Peak
4	2413.730	26.85	5.82	35.70	85.61	82.58	74.00	-8.58	Peak

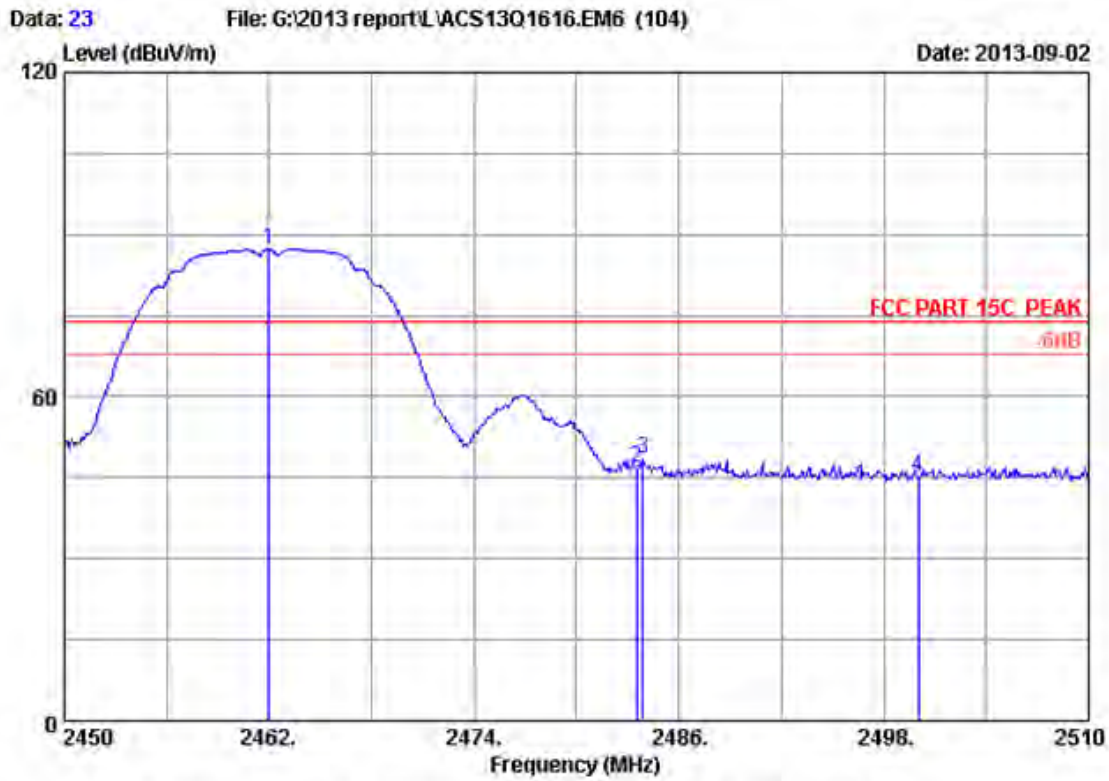
Remarks:
1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 10
Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : HORIZONTAL
Limit : FCC PART 15C AV
Env. / Ins. : 23*C/54% Engineer : Leo-Li
EUT : Ultrathin Wireless Router
Power supply : DC 5V From PC Input AC 120V/60Hz
Test mode : IEEE802.11b 2412MHz Tx Mode
R100

	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2390.000	26.70	5.78	35.70	35.91	32.69	54.00	21.31	Average
2	2398.205	26.75	5.79	35.70	42.70	39.54	54.00	14.46	Average
3	2400.000	26.76	5.80	35.70	39.24	36.10	54.00	17.90	Average
4	2414.650	26.85	5.82	35.70	80.20	77.17	54.00	-23.17	Average

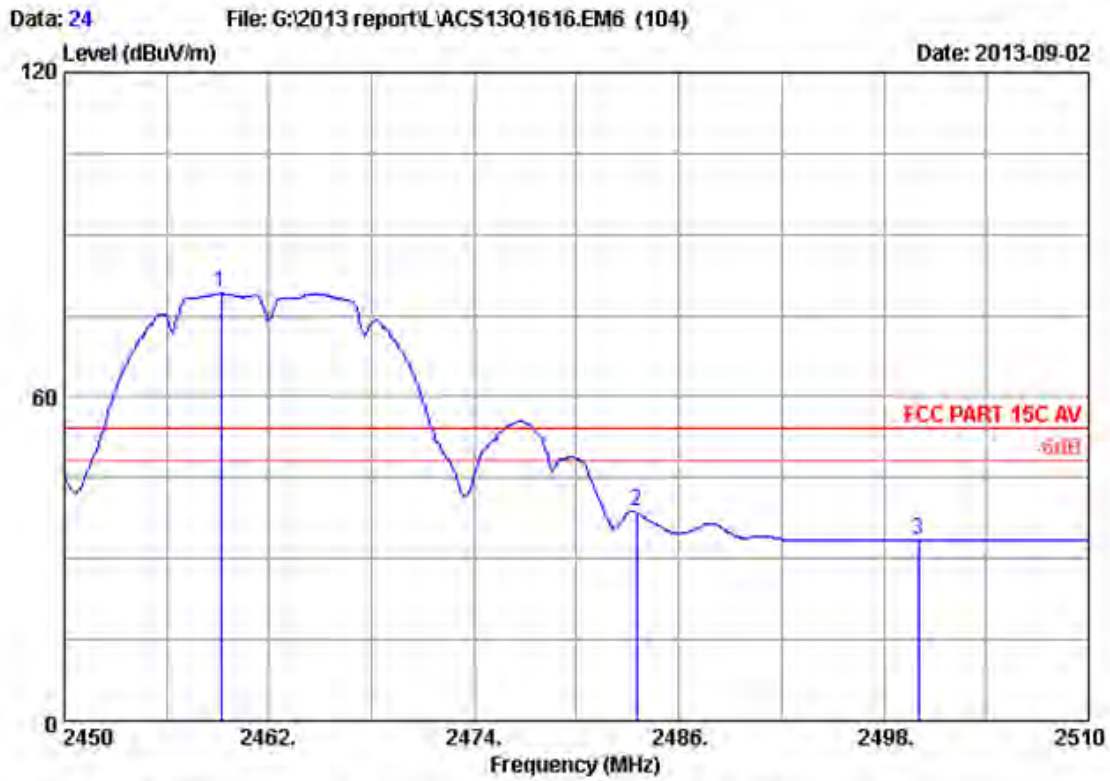
Remarks:
1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 23
Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : HORIZONTAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23*C/54% Engineer : Leo-Li
EUT : Ultrathin Wireless Router
Power supply : DC 5V From PC Input AC 120V/60Hz
Test mode : IEEE802.11b 2462MHz Tx Mode
R100

	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2462.000	27.16	5.89	35.70	89.97	87.32	74.00	-13.32	Peak
2	2483.500	27.29	5.92	35.70	49.45	46.96	74.00	27.04	Peak
3	2483.900	27.30	5.92	35.70	50.83	48.35	74.00	25.65	Peak
4	2500.000	27.40	5.94	35.70	47.65	45.29	74.00	28.71	Peak

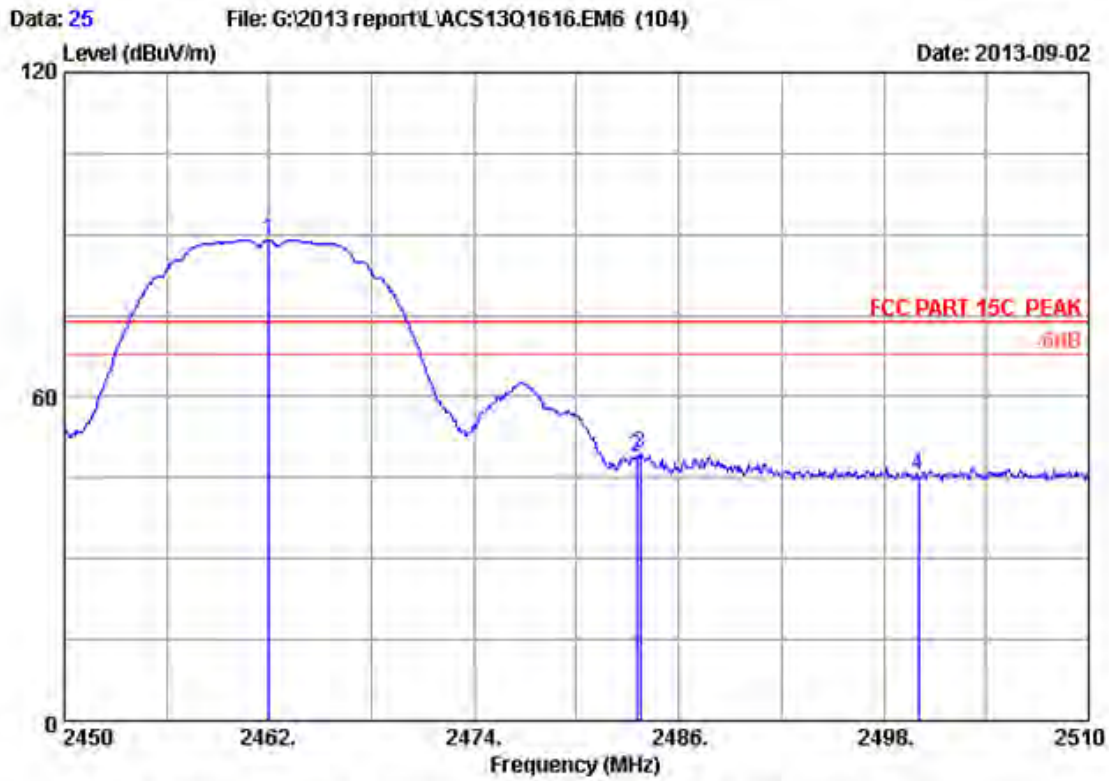
Remarks:
1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 24
Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : HORIZONTAL
Limit : FCC PART 15C AV
Env. / Ins. : 23*C/54% Engineer : Leo-Li
EUT : Ultrathin Wireless Router
Power supply : DC 5V From PC Input AC 120V/60Hz
Test mode : IEEE802.11b 2462MHz Tx Mode
R100

	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2459.180	27.14	5.88	35.70	81.80	79.12	54.00	-25.12	Average
2	2483.500	27.29	5.92	35.70	41.15	38.66	54.00	15.34	Average
3	2500.000	27.40	5.94	35.70	35.68	33.32	54.00	20.68	Average

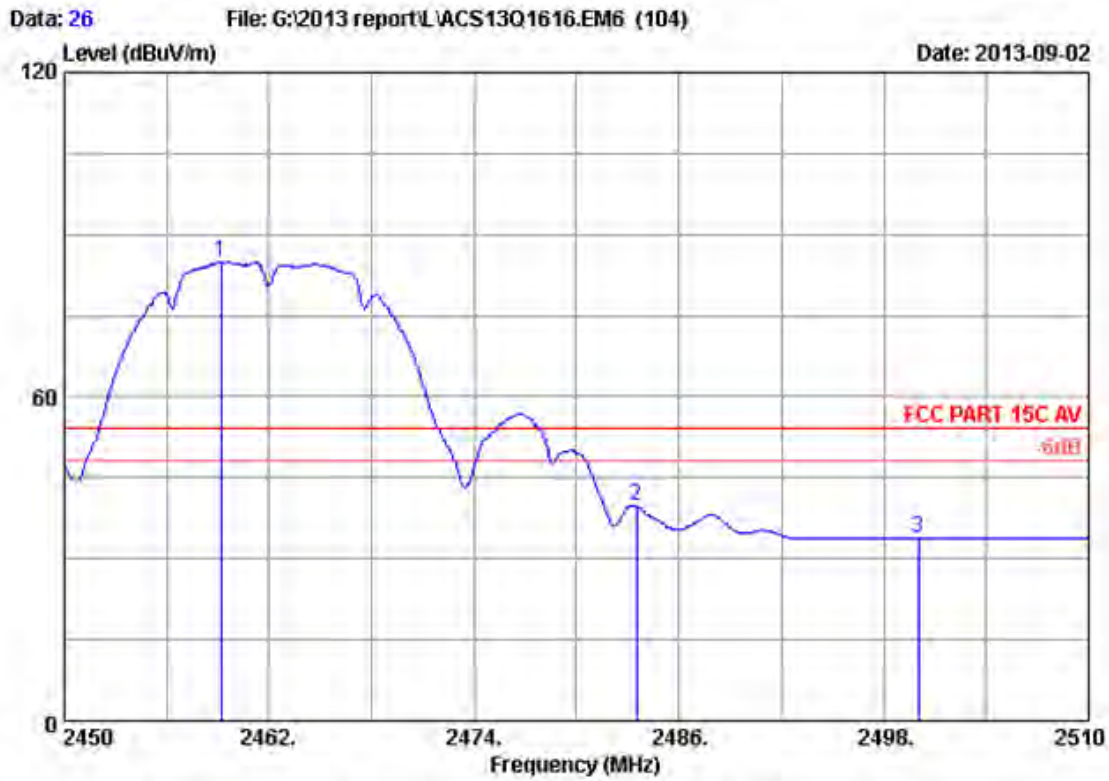
Remarks:
1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 25
Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : VERTICAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23*C/54% Engineer : Leo-Li
EUT : Ultrathin Wireless Router
Power supply : DC 5V From PC Input AC 120V/60Hz
Test mode : IEEE802.11b 2462MHz Tx Mode
R100

	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2462.000	27.16	5.89	35.70	91.66	89.01	74.00	-15.01	Peak
2	2483.500	27.29	5.92	35.70	51.43	48.94	74.00	25.06	Peak
3	2483.720	27.30	5.92	35.70	51.96	49.48	74.00	24.52	Peak
4	2500.000	27.40	5.94	35.70	47.65	45.29	74.00	28.71	Peak

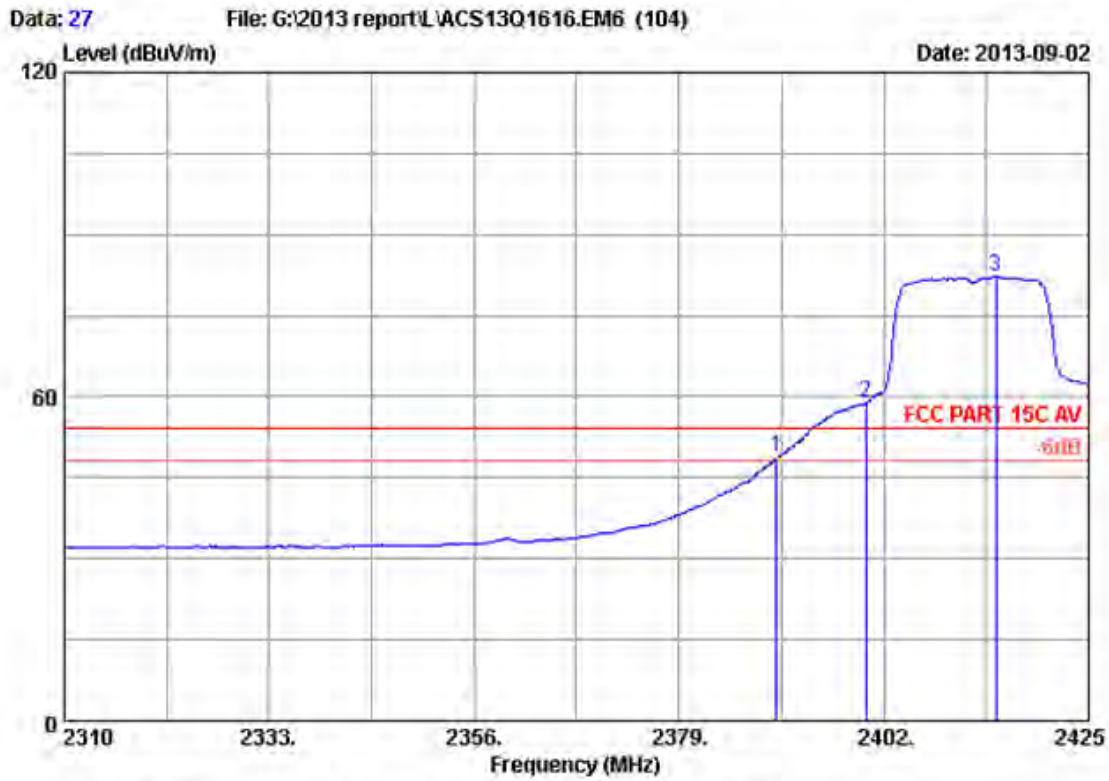
Remarks:
1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 26
Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : VERTICAL
Limit : FCC PART 15C AV
Env. / Ins. : 23*C/54% Engineer : Leo-Li
EUT : Ultrathin Wireless Router
Power supply : DC 5V From PC Input AC 120V/60Hz
Test mode : IEEE802.11b 2462MHz Tx Mode
R100

	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2459.180	27.14	5.88	35.70	87.58	84.90	54.00	-30.90	Average
2	2483.500	27.29	5.92	35.70	42.23	39.74	54.00	14.26	Average
3	2500.000	27.40	5.94	35.70	36.11	33.75	54.00	20.25	Average

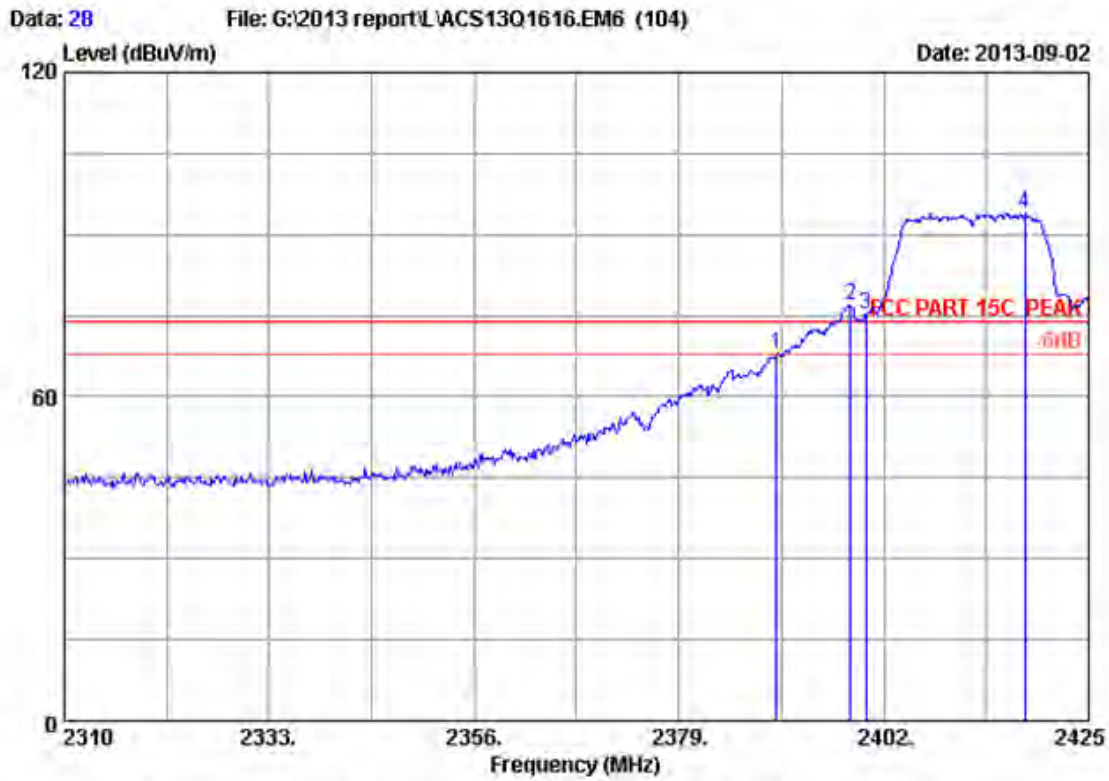
Remarks:
1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 27
Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : VERTICAL
Limit : FCC PART 15C AV
Env. / Ins. : 23*C/54% Engineer : Leo-Li
EUT : Ultrathin Wireless Router
Power supply : DC 5V From PC Input AC 120V/60Hz
Test mode : IEEE802.11g 2412MHz Tx Mode
R100

	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2390.000	26.70	5.78	35.70	51.87	48.65	54.00	5.35	Average
2	2400.000	26.76	5.80	35.70	62.03	58.89	54.00	-4.89	Average
3	2414.650	26.85	5.82	35.70	85.18	82.15	54.00	-28.15	Average

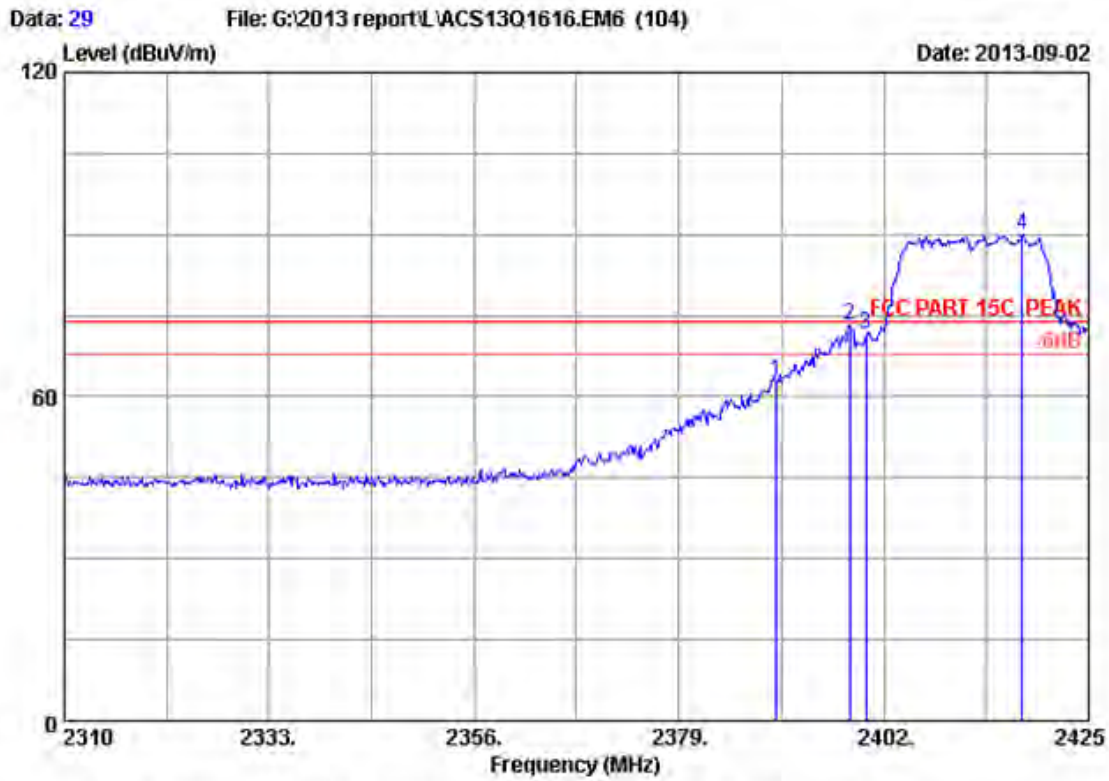
Remarks:
1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 28
Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : VERTICAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23*C/54% Engineer : Leo-Li
EUT : Ultrathin Wireless Router
Power supply : DC 5V From PC Input AC 120V/60Hz
Test mode : IEEE802.11g 2412MHz Tx Mode
R100

	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2390.000	26.70	5.78	35.70	70.97	67.75	74.00	6.25	Peak
2	2398.320	26.75	5.79	35.70	79.91	76.75	74.00	-2.75	Peak
3	2400.000	26.76	5.80	35.70	78.43	75.29	74.00	-1.29	Peak
4	2417.870	26.87	5.82	35.70	96.97	93.96	74.00	-19.96	Peak

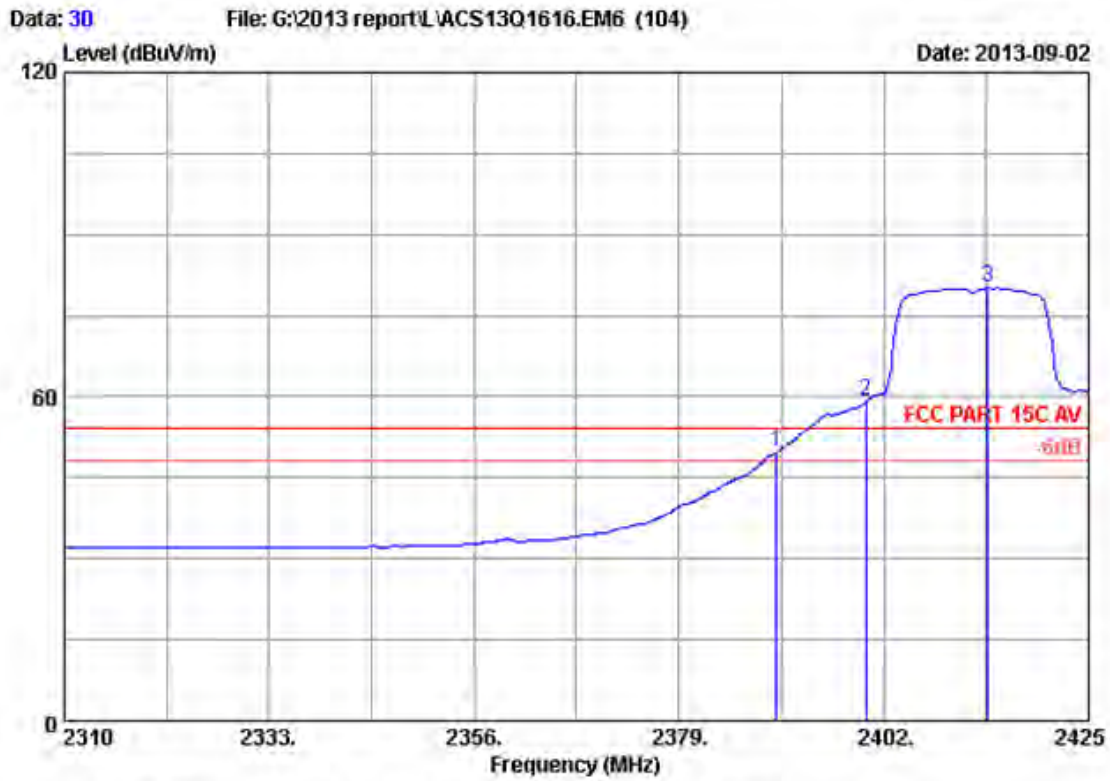
Remarks:
1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 29
Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : HORIZONTAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23*C/54% Engineer : Leo-Li
EUT : Ultrathin Wireless Router
Power supply : DC 5V From PC Input AC 120V/60Hz
Test mode : IEEE802.11g 2412MHz Tx Mode
R100

	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2390.000	26.70	5.78	35.70	66.08	62.86	74.00	11.14	Peak
2	2398.205	26.75	5.79	35.70	76.46	73.30	74.00	0.70	Peak
3	2400.000	26.76	5.80	35.70	74.69	71.55	74.00	2.45	Peak
4	2417.525	26.87	5.82	35.70	92.87	89.86	74.00	-15.86	Peak

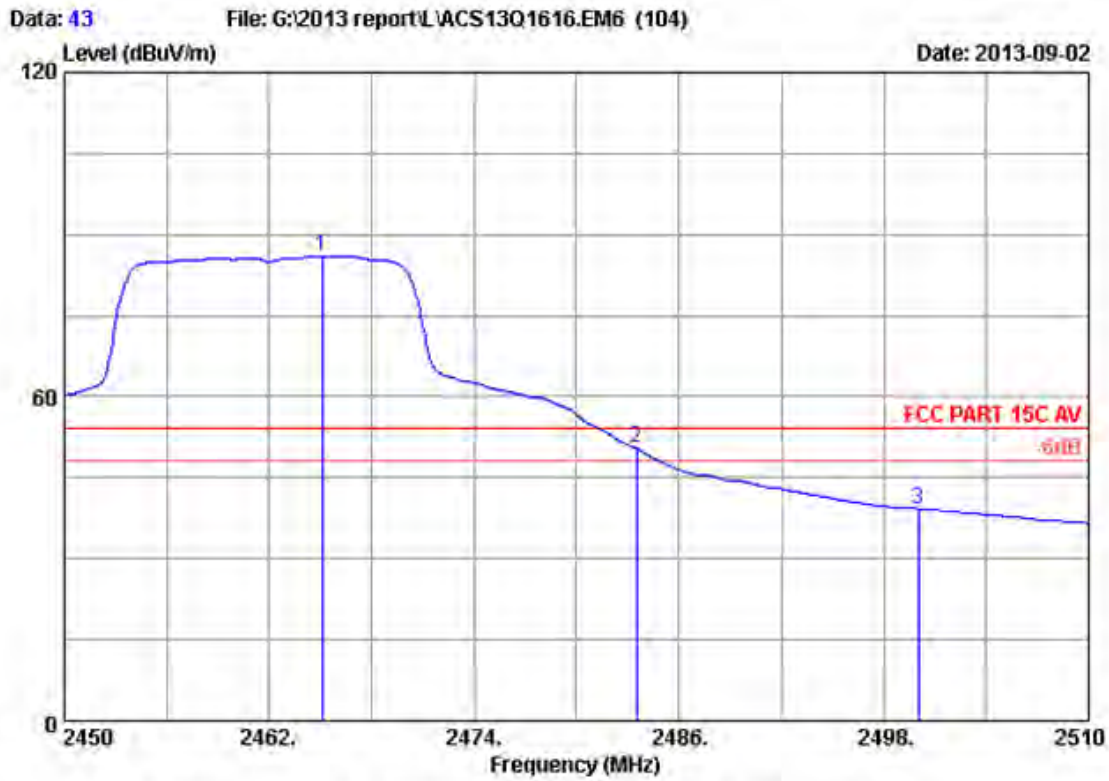
Remarks:
1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 30
Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : HORIZONTAL
Limit : FCC PART 15C AV
Env. / Ins. : 23*C/54% Engineer : Leo-Li
EUT : Ultrathin Wireless Router
Power supply : DC 5V From PC Input AC 120V/60Hz
Test mode : IEEE802.11g 2412MHz Tx Mode
R100

	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2390.000	26.70	5.78	35.70	52.89	49.67	54.00	4.33	Average
2	2400.000	26.76	5.80	35.70	62.34	59.20	54.00	-5.20	Average
3	2413.730	26.85	5.82	35.70	83.10	80.07	54.00	-26.07	Average

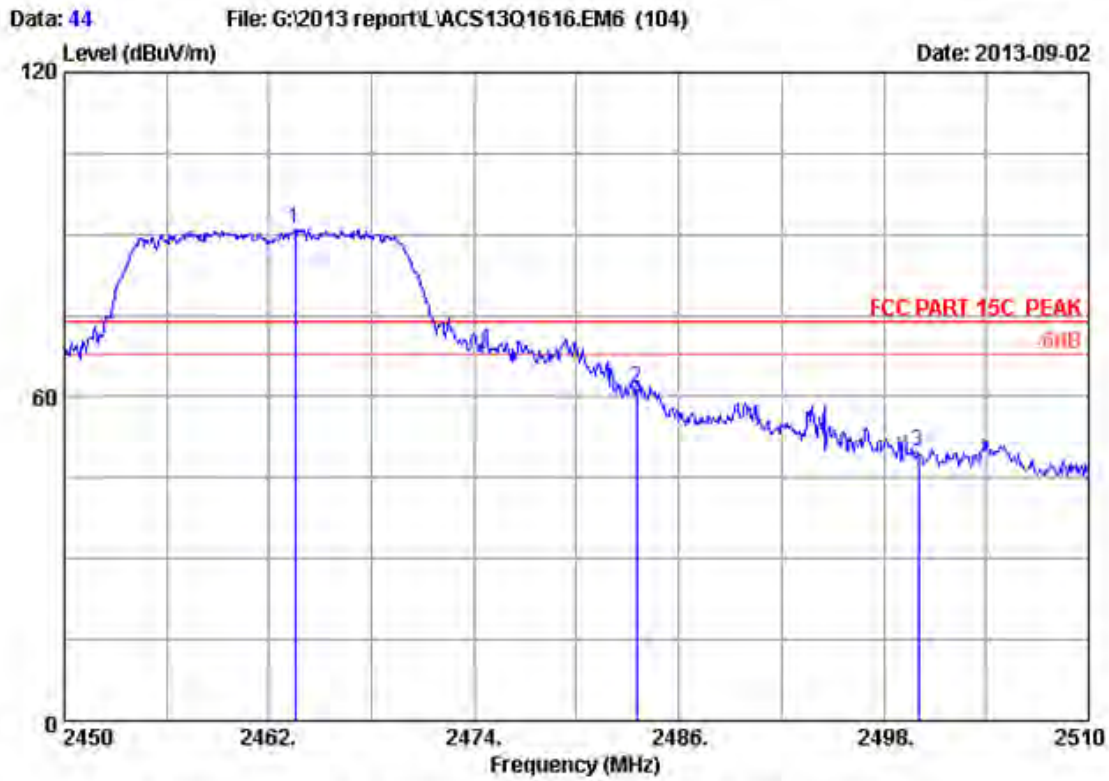
Remarks:
1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 43
Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : HORIZONTAL
Limit : FCC PART 15C AV
Env. / Ins. : 23*C/54% Engineer : Leo-Li
EUT : Ultrathin Wireless Router
Power supply : DC 5V From PC Input AC 120V/60Hz
Test mode : IEEE802.11g 2462MHz Tx Mode
R100

	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2465.120	27.18	5.89	35.70	88.67	86.04	54.00	-32.04	Average
2	2483.500	27.29	5.92	35.70	52.94	50.45	54.00	3.55	Average
3	2500.000	27.40	5.94	35.70	41.60	39.24	54.00	14.76	Average

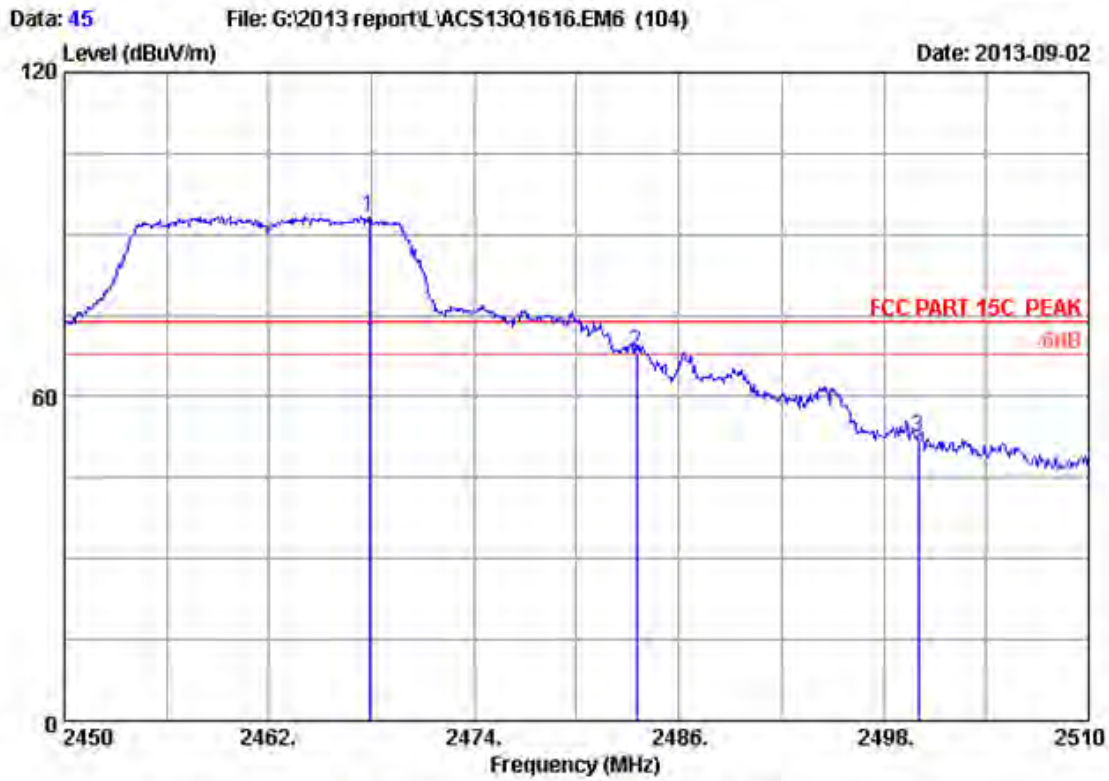
Remarks:
1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 44
Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : HORIZONTAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23*C/54% Engineer : Leo-Li
EUT : Ultrathin Wireless Router
Power supply : DC 5V From PC Input AC 120V/60Hz
Test mode : IEEE802.11g 2462MHz Tx Mode
R100

	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2463.500	27.17	5.89	35.70	93.64	91.00	74.00	-17.00	Peak
2	2483.500	27.29	5.92	35.70	63.96	61.47	74.00	12.53	Peak
3	2500.000	27.40	5.94	35.70	52.32	49.96	74.00	24.04	Peak

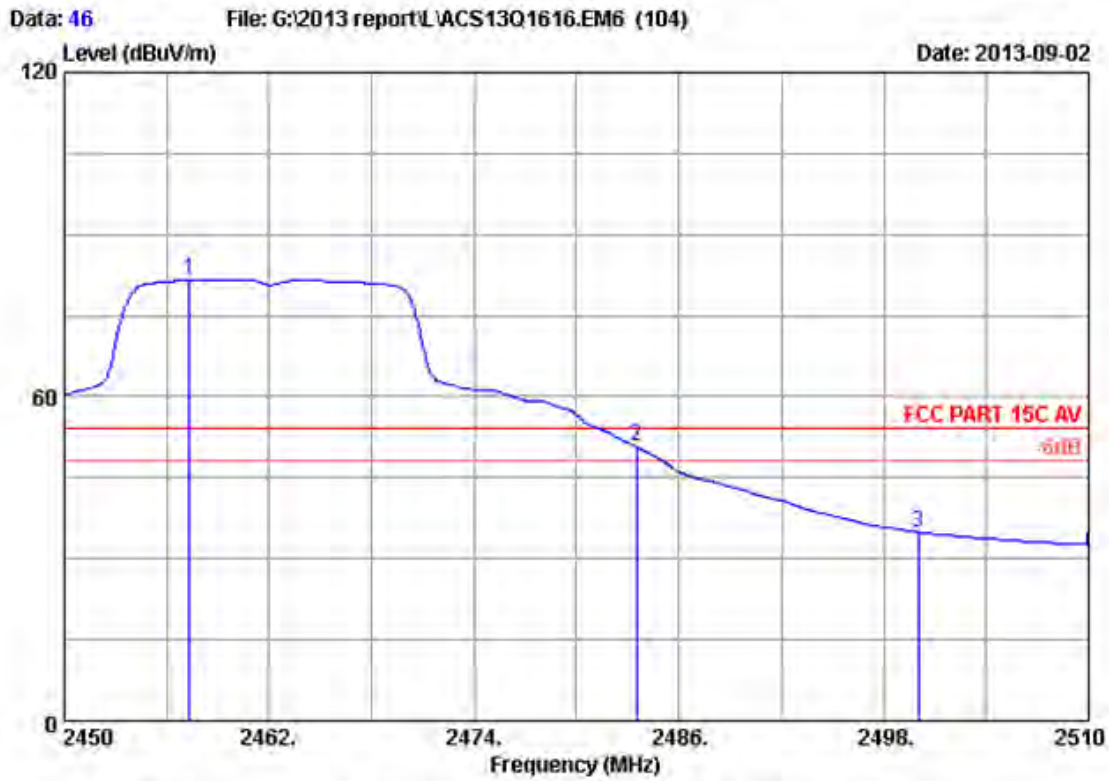
Remarks:
1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 45
Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : VERTICAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23*C/54% Engineer : Leo-Li
EUT : Ultrathin Wireless Router
Power supply : DC 5V From PC Input AC 120V/60Hz
Test mode : IEEE802.11g 2462MHz Tx Mode
R100

	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2467.880	27.19	5.90	35.70	95.89	93.28	74.00	-19.28	Peak
2	2483.500	27.29	5.92	35.70	70.78	68.29	74.00	5.71	Peak
3	2500.000	27.40	5.94	35.70	54.86	52.50	74.00	21.50	Peak

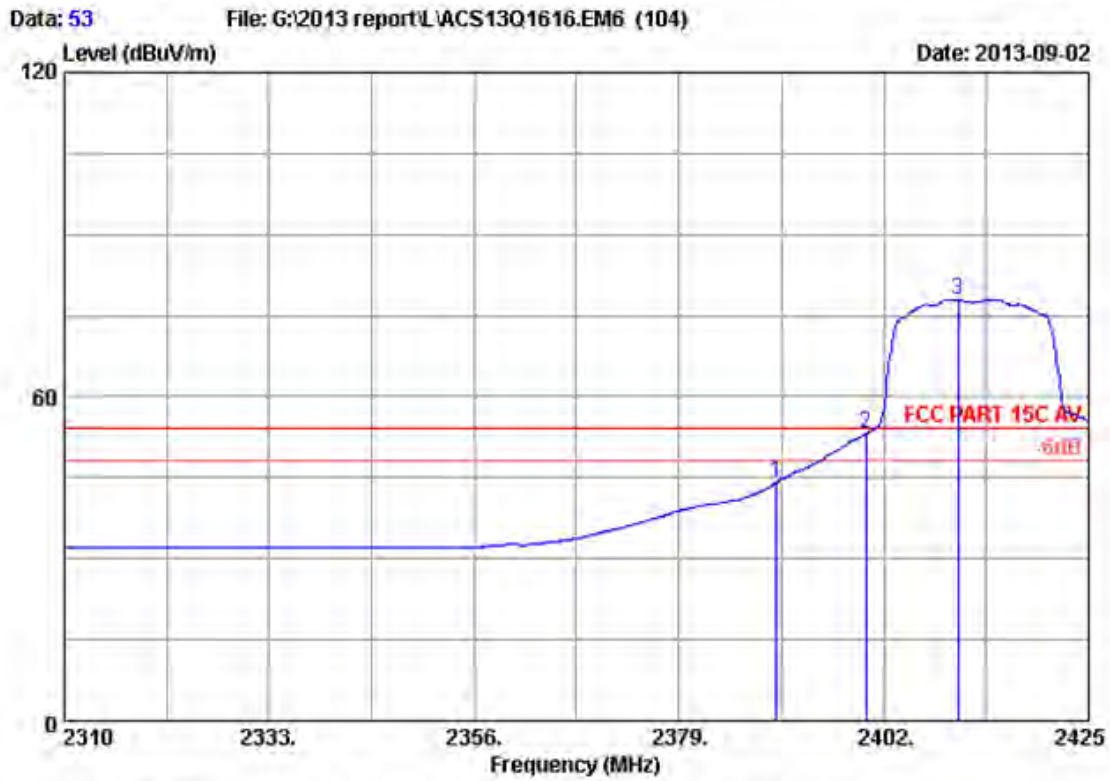
Remarks:
1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 46
Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : VERTICAL
Limit : FCC PART 15C AV
Env. / Ins. : 23*C/54% Engineer : Leo-Li
EUT : Ultrathin Wireless Router
Power supply : DC 5V From PC Input AC 120V/60Hz
Test mode : IEEE802.11g 2462MHz Tx Mode
R100

	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2457.320	27.13	5.88	35.70	84.28	81.59	54.00	-27.59	Average
2	2483.500	27.29	5.92	35.70	53.28	50.79	54.00	3.21	Average
3	2500.000	27.40	5.94	35.70	37.27	34.91	54.00	19.09	Average

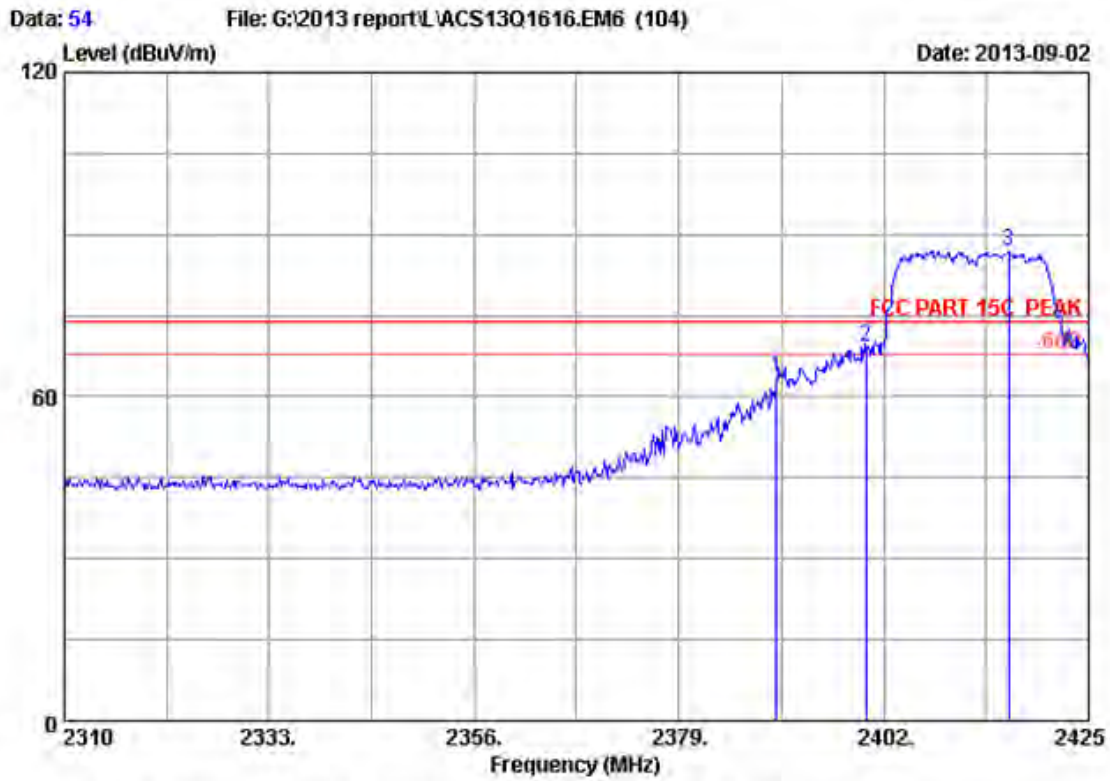
Remarks:
1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 53
Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : HORIZONTAL
Limit : FCC PART 15C AV
Env. / Ins. : 23*C/54% Engineer : Leo-Li
EUT : Ultrathin Wireless Router
Power supply : DC 5V From PC Input AC 120V/60Hz
Test mode : IEEE802.11nHT20 2412MHz Tx Mode
R100

	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2390.000	26.70	5.78	35.70	47.49	44.27	54.00	9.73	Average
2	2400.000	26.76	5.80	35.70	56.36	53.22	54.00	0.78	Average
3	2410.395	26.83	5.81	35.70	80.99	77.93	54.00	-23.93	Average

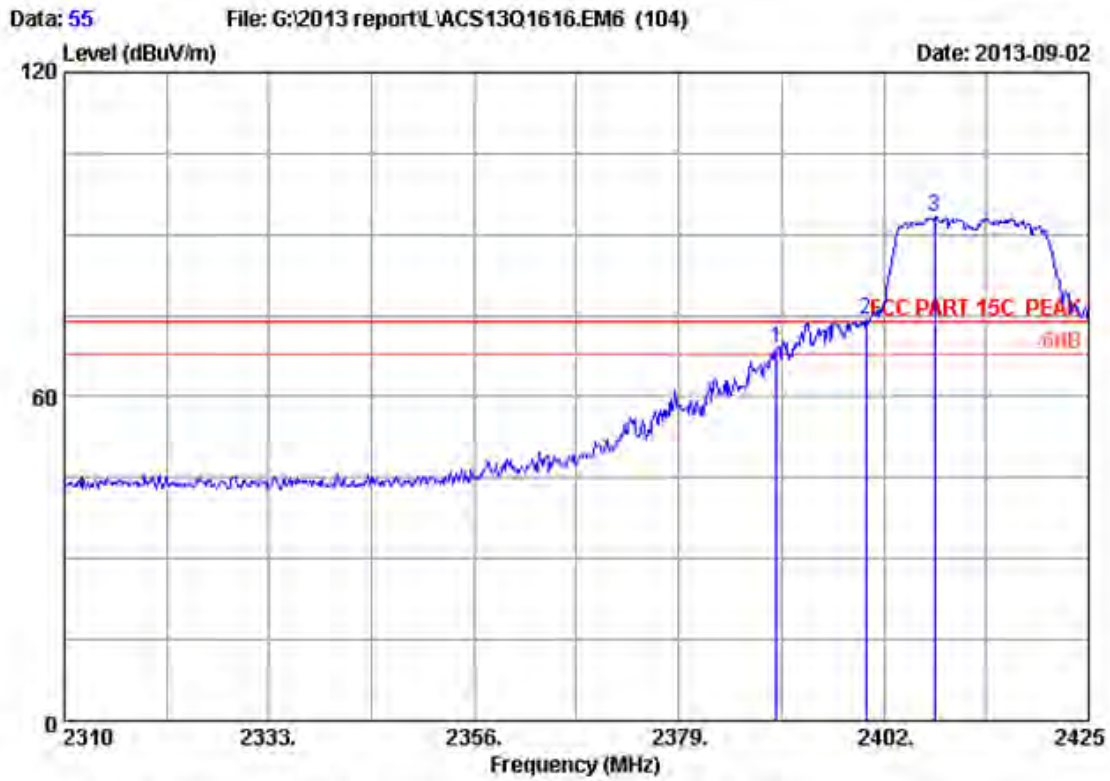
Remarks:
1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 54
Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : HORIZONTAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23*C/54% Engineer : Leo-Li
EUT : Ultrathin Wireless Router
Power supply : DC 5V From PC Input AC 120V/60Hz
Test mode : IEEE802.11nHT20 2412MHz Tx Mode
R100

	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2390.000	26.70	5.78	35.70	66.56	63.34	74.00	10.66	Peak
2	2400.000	26.76	5.80	35.70	72.36	69.22	74.00	4.78	Peak
3	2416.030	26.86	5.82	35.70	89.93	86.91	74.00	-12.91	Peak

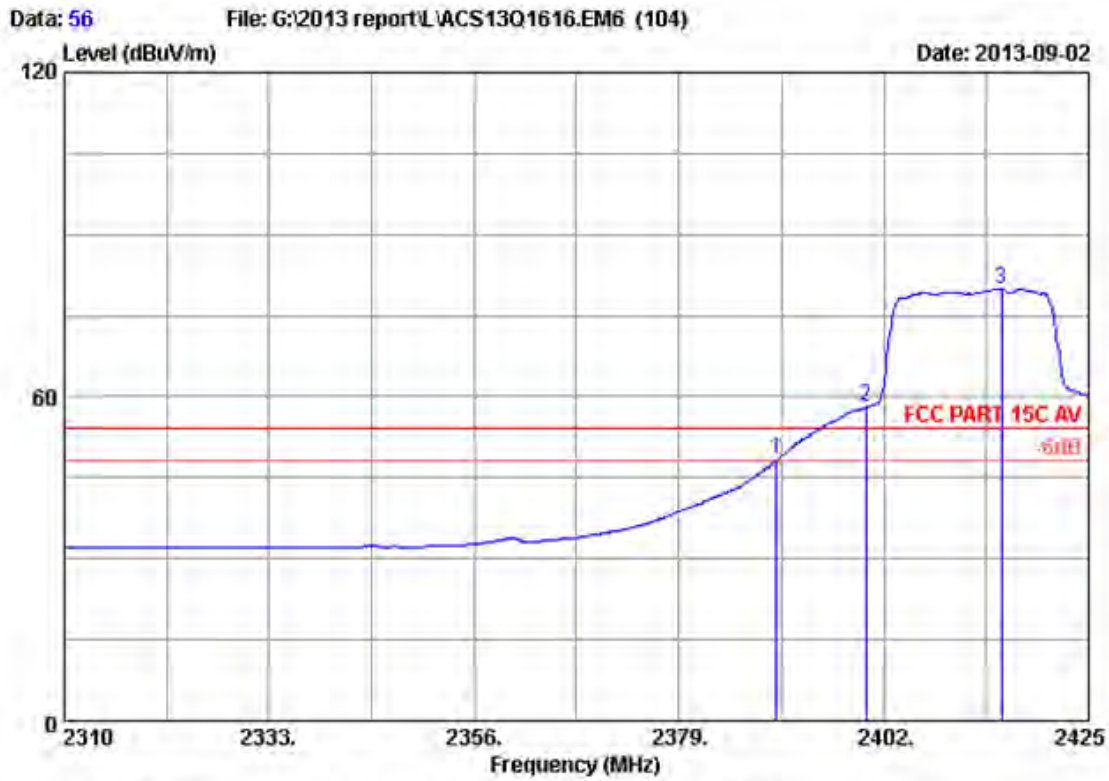
Remarks:
1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 55
Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : VERTICAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23*C/54% Engineer : Leo-Li
EUT : Ultrathin Wireless Router
Power supply : DC 5V From PC Input AC 120V/60Hz
Test mode : IEEE802.11nHT20 2412MHz Tx Mode
R100

	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2390.000	26.70	5.78	35.70	72.24	69.02	74.00	4.98	Peak
2	2400.000	26.76	5.80	35.70	77.21	74.07	74.00	-0.07	Peak
3	2407.750	26.81	5.81	35.70	96.25	93.17	74.00	-19.17	Peak

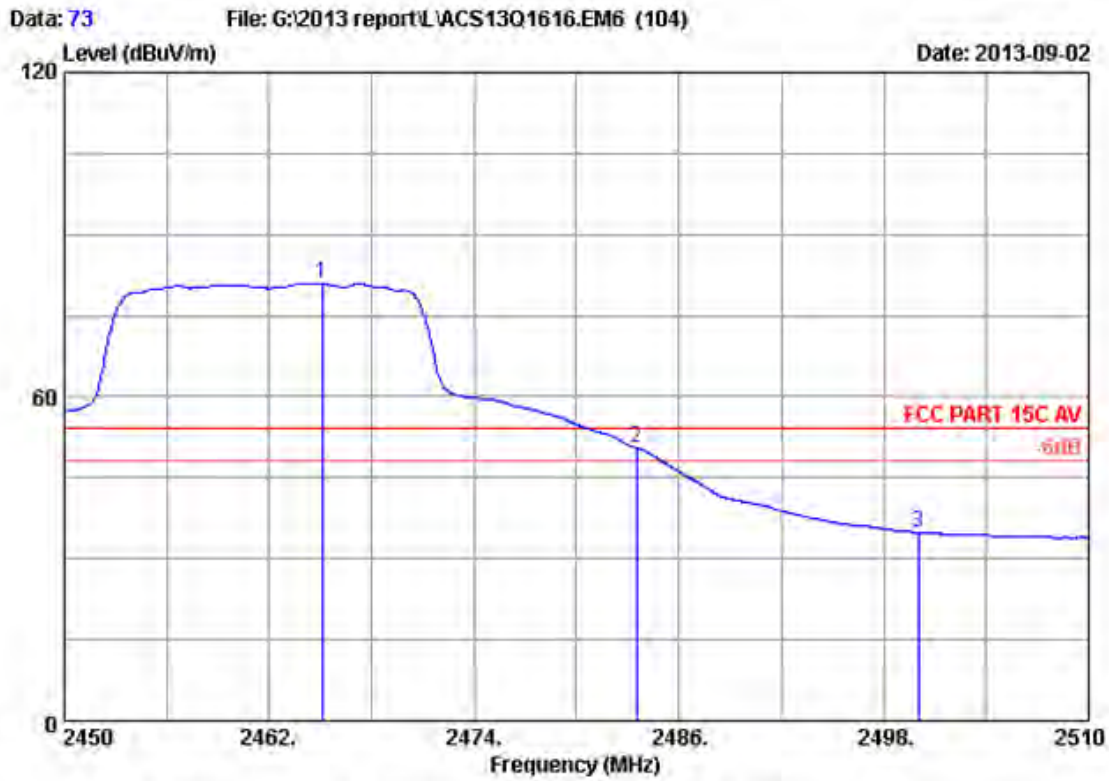
Remarks:
1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 56
Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : VERTICAL
Limit : FCC PART 15C AV
Env. / Ins. : 23*C/54% Engineer : Leo-Li
EUT : Ultrathin Wireless Router
Power supply : DC 5V From PC Input AC 120V/60Hz
Test mode : IEEE802.11nHT20 2412MHz Tx Mode
R100

	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2390.000	26.70	5.78	35.70	51.66	48.44	54.00	5.56	Average
2	2400.000	26.76	5.80	35.70	61.26	58.12	54.00	-4.12	Average
3	2415.225	26.86	5.82	35.70	82.86	79.84	54.00	-25.84	Average

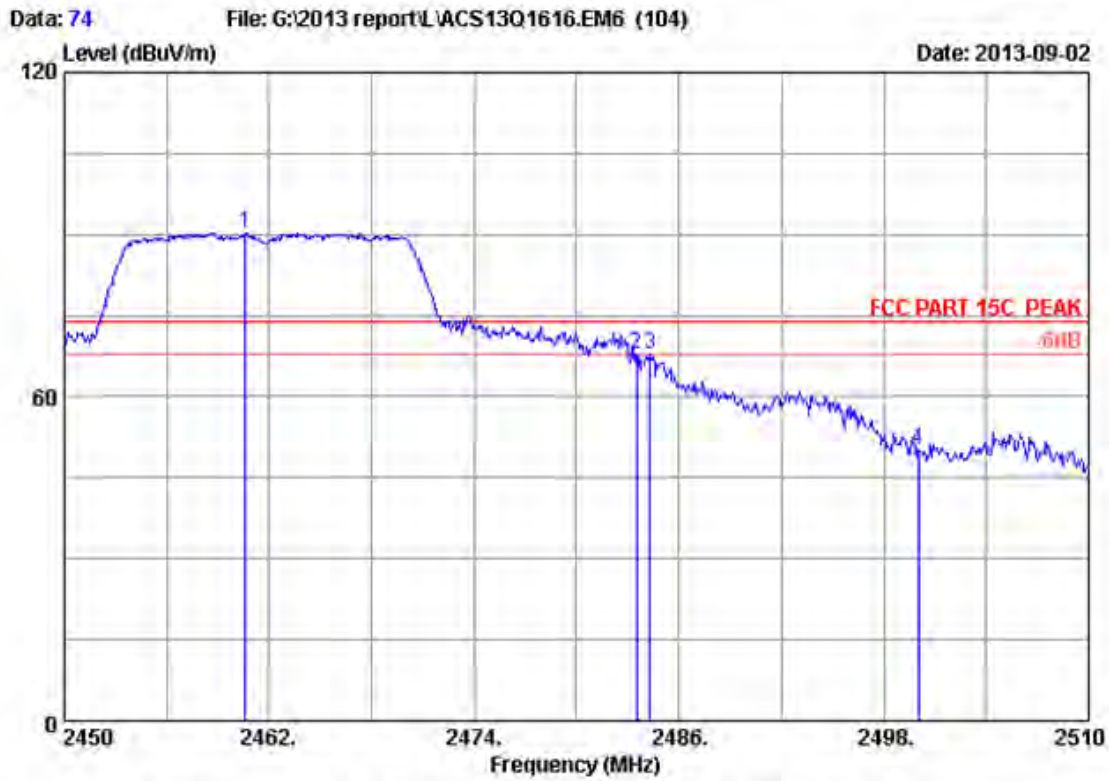
Remarks:
1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 73
Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : VERTICAL
Limit : FCC PART 15C AV
Env. / Ins. : 23*C/54% Engineer : Leo-Li
EUT : Ultrathin Wireless Router
Power supply : DC 5V From PC Input AC 120V/60Hz
Test mode : IEEE802.11nHT20 2462MHz Tx Mode
R100

	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2465.120	27.18	5.89	35.70	83.56	80.93	54.00	-26.93	Average
2	2483.500	27.29	5.92	35.70	53.04	50.55	54.00	3.45	Average
3	2500.000	27.40	5.94	35.70	37.17	34.81	54.00	19.19	Average

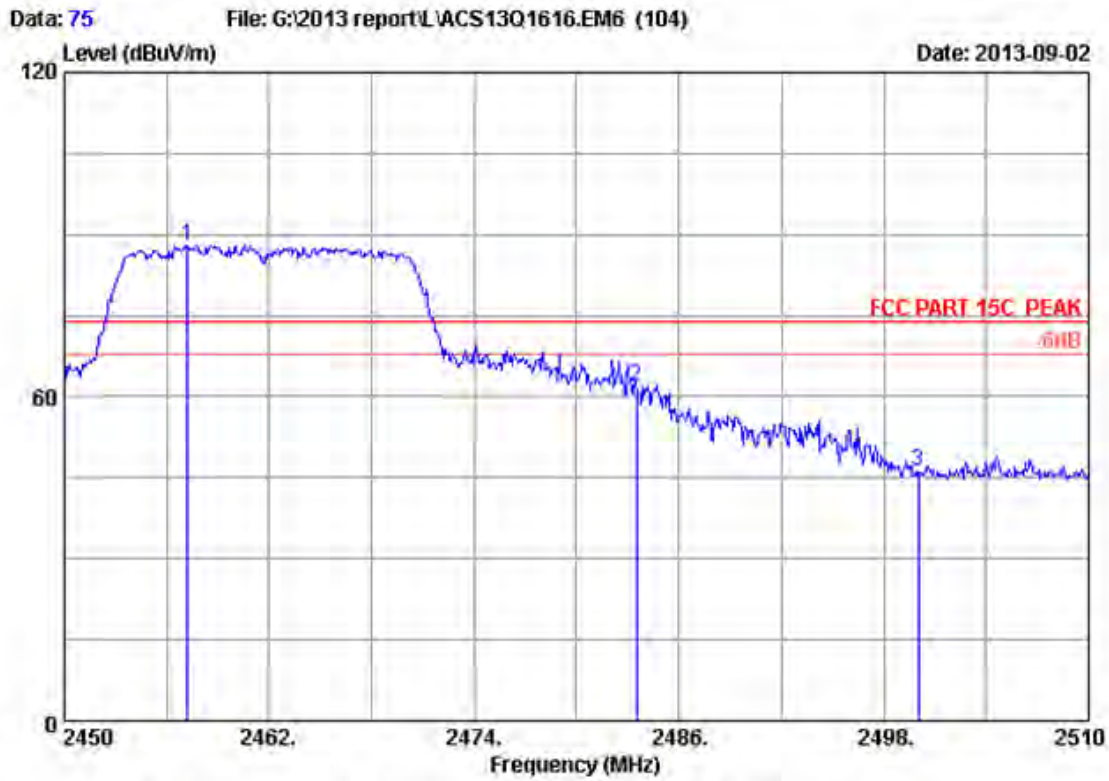
Remarks:
1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 74
Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : VERTICAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23*C/54% Engineer : Leo-Li
EUT : Ultrathin Wireless Router
Power supply : DC 5V From PC Input AC 120V/60Hz
Test mode : IEEE802.11nHT20 2462MHz Tx Mode
R100

	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2460.620	27.15	5.89	35.70	92.89	90.23	74.00	-16.23	Peak
2	2483.500	27.29	5.92	35.70	70.26	67.77	74.00	6.23	Peak
3	2484.320	27.30	5.92	35.70	70.45	67.97	74.00	6.03	Peak
4	2500.000	27.40	5.94	35.70	52.36	50.00	74.00	24.00	Peak

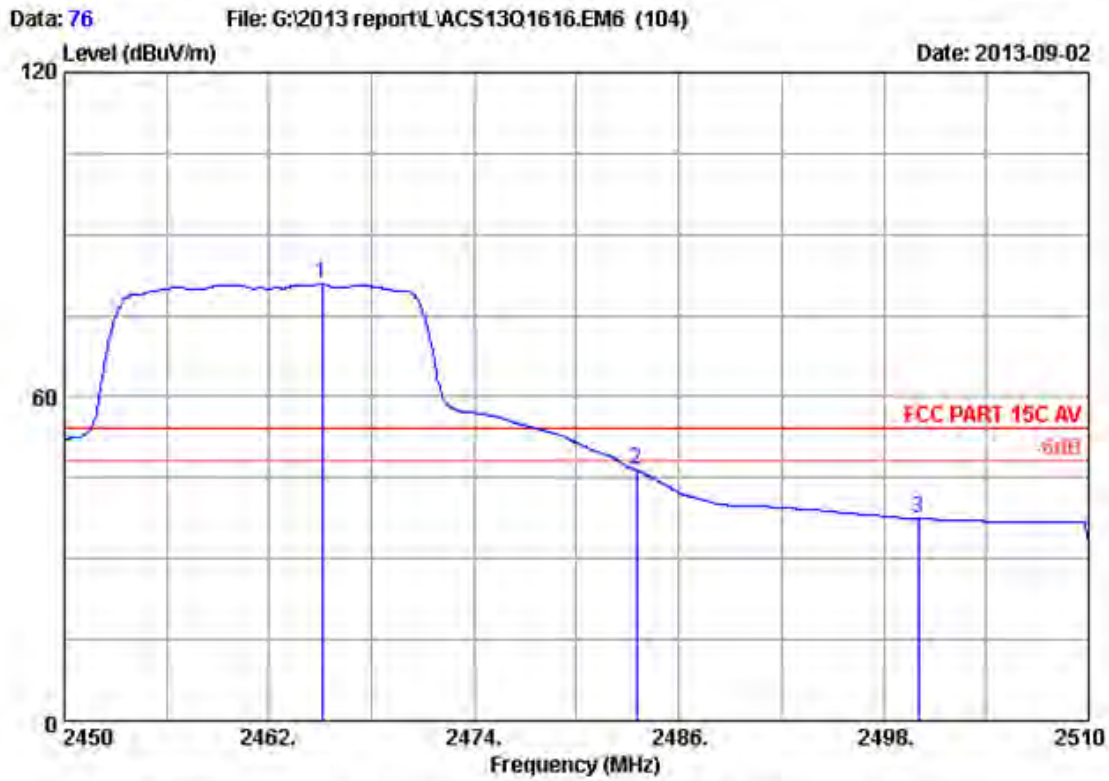
Remarks:
1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 75
Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : HORIZONTAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23*C/54% Engineer : Leo-Li
EUT : Ultrathin Wireless Router
Power supply : DC 5V From PC Input AC 120V/60Hz
Test mode : IEEE802.11nHT20 2462MHz Tx Mode
R100

	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2457.200	27.13	5.88	35.70	90.71	88.02	74.00	-14.02	Peak
2	2483.500	27.29	5.92	35.70	64.36	61.87	74.00	12.13	Peak
3	2500.000	27.40	5.94	35.70	48.40	46.04	74.00	27.96	Peak

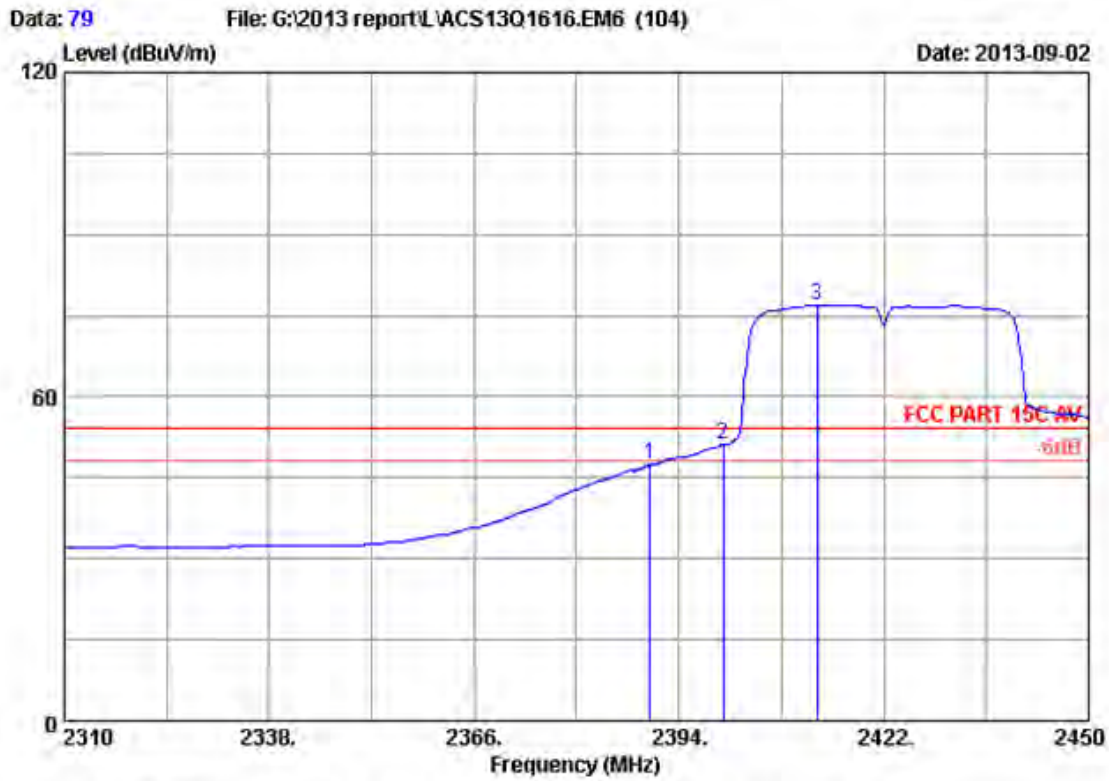
Remarks:
1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 76
Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : HORIZONTAL
Limit : FCC PART 15C AV
Env. / Ins. : 23*C/54% Engineer : Leo-Li
EUT : Ultrathin Wireless Router
Power supply : DC 5V From PC Input AC 120V/60Hz
Test mode : IEEE802.11nHT20 2462MHz Tx Mode
R100

	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2465.120	27.18	5.89	35.70	83.40	80.77	54.00	-26.77	Average
2	2483.500	27.29	5.92	35.70	48.88	46.39	54.00	7.61	Average
3	2500.000	27.40	5.94	35.70	39.80	37.44	54.00	16.56	Average

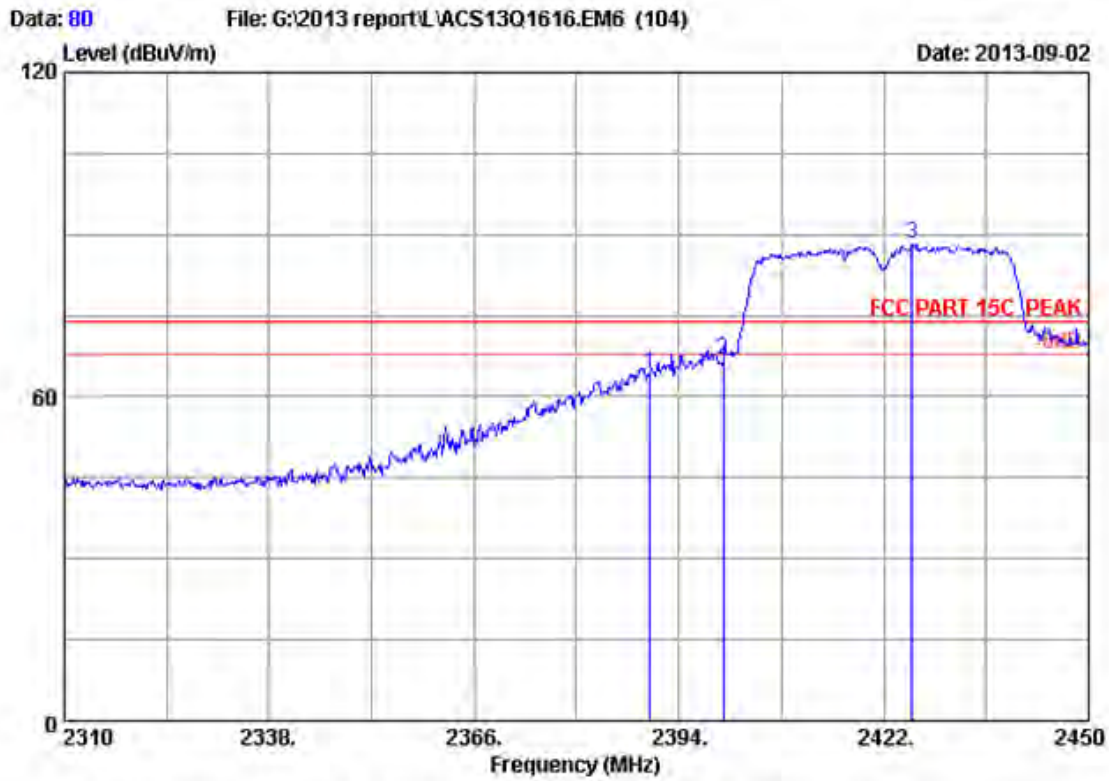
Remarks:
1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 79
Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : VERTICAL
Limit : FCC PART 15C AV
Env. / Ins. : 23*C/54% Engineer : Leo-Li
EUT : Ultrathin Wireless Router
Power supply : DC 5V From PC Input AC 120V/60Hz
Test mode : IEEE802.11nHT40 2422MHz Tx Mode
R100

	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2390.000	26.70	5.78	35.70	50.58	47.36	54.00	6.64	Average
2	2400.000	26.76	5.80	35.70	54.32	51.18	54.00	2.82	Average
3	2412.900	26.84	5.82	35.70	79.98	76.94	54.00	-22.94	Average

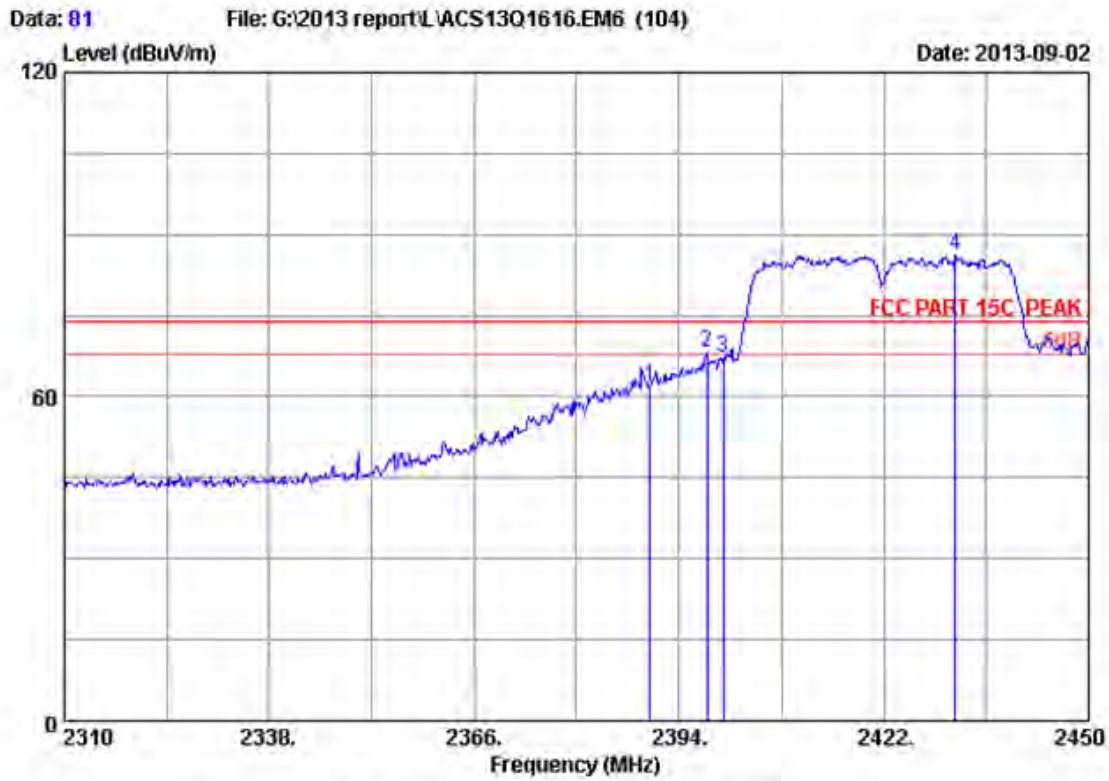
Remarks:
1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 80
Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : VERTICAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23*C/54% Engineer : Leo-Li
EUT : Ultrathin Wireless Router
Power supply : DC 5V From PC Input AC 120V/60Hz
Test mode : IEEE802.11nHT40 2422MHz Tx Mode
R100

	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2390.000	26.70	5.78	35.70	67.38	64.16	74.00	9.84	Peak
2	2400.000	26.76	5.80	35.70	69.97	66.83	74.00	7.17	Peak
3	2425.920	26.93	5.83	35.70	91.09	88.15	74.00	-14.15	Peak

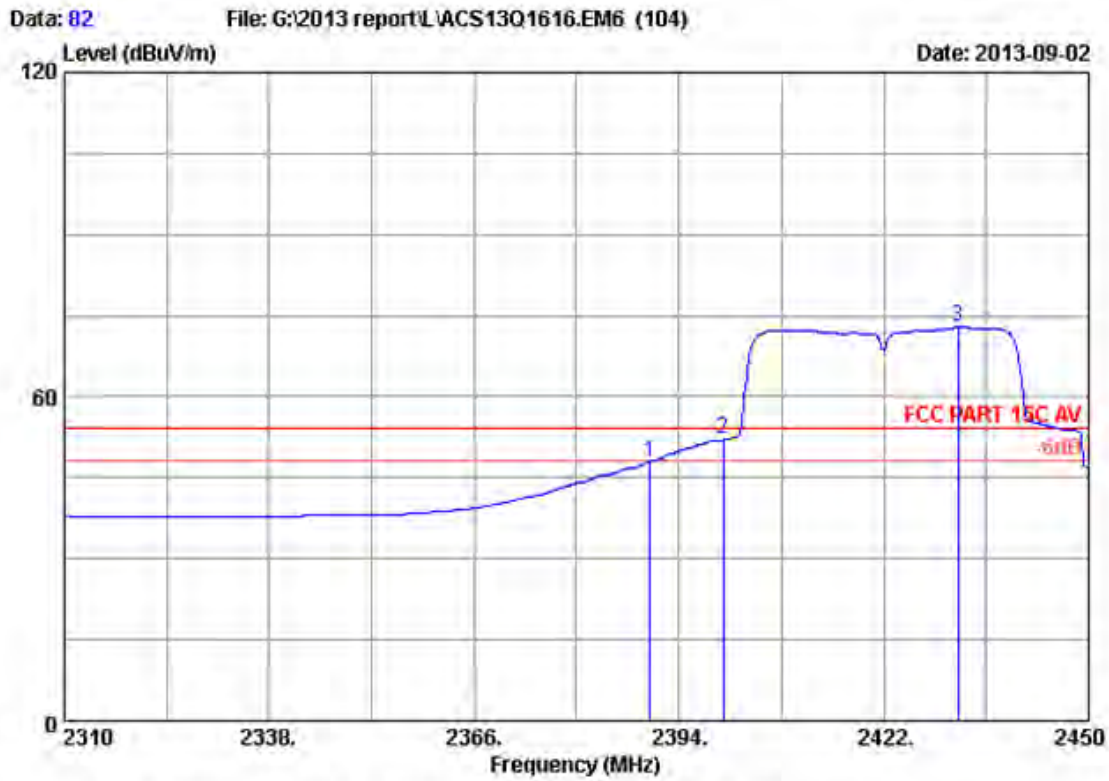
Remarks:
1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 81
Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : HORIZONTAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23*C/54% Engineer : Leo-Li
EUT : Ultrathin Wireless Router
Power supply : DC 5V From PC Input AC 120V/60Hz
Test mode : IEEE802.11nHT40 2422MHz Tx Mode
R100

	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2390.000	26.70	5.78	35.70	65.03	61.81	74.00	12.19	Peak
2	2397.780	26.75	5.79	35.70	71.45	68.29	74.00	5.71	Peak
3	2400.000	26.76	5.80	35.70	70.40	67.26	74.00	6.74	Peak
4	2431.800	26.96	5.84	35.70	89.25	86.35	74.00	-12.35	Peak

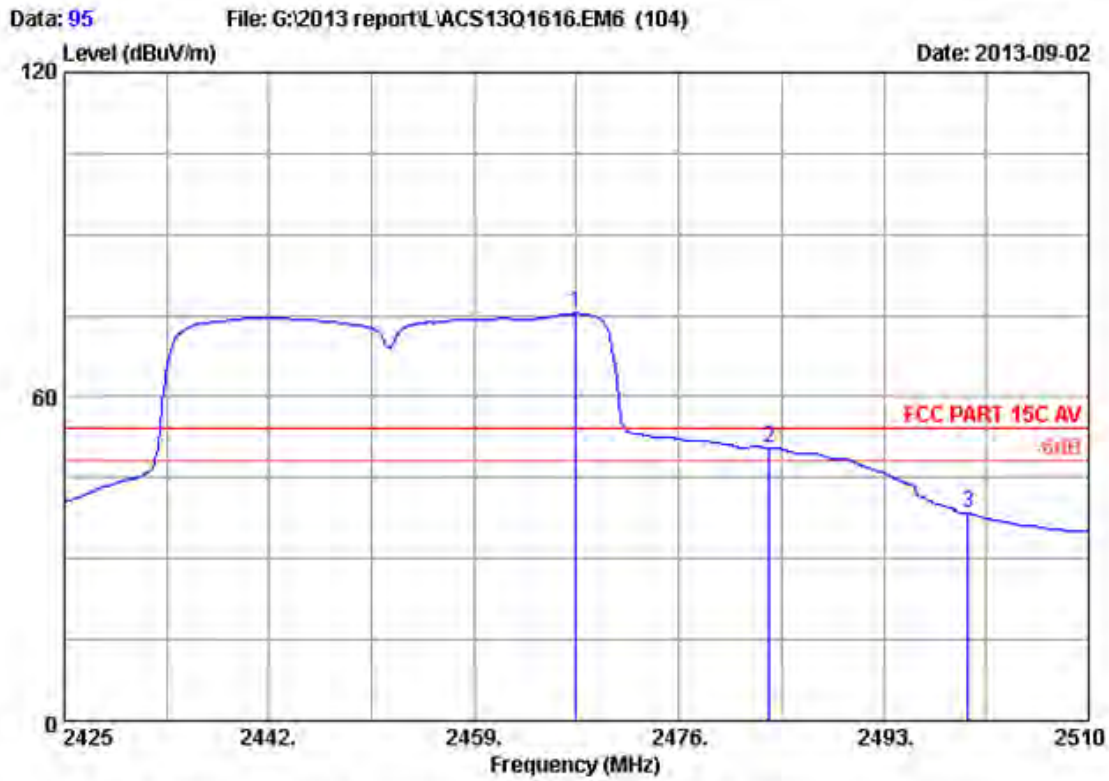
Remarks:
1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 82
Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : HORIZONTAL
Limit : FCC PART 15C AV
Env. / Ins. : 23*C/54% Engineer : Leo-Li
EUT : Ultrathin Wireless Router
Power supply : DC 5V From PC Input AC 120V/60Hz
Test mode : IEEE802.11nHT40 2422MHz Tx Mode
R100

	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2390.000	26.70	5.78	35.70	51.17	47.95	54.00	6.05	Average
2	2400.000	26.76	5.80	35.70	55.15	52.01	54.00	1.99	Average
3	2432.220	26.97	5.84	35.70	75.64	72.75	54.00	-18.75	Average

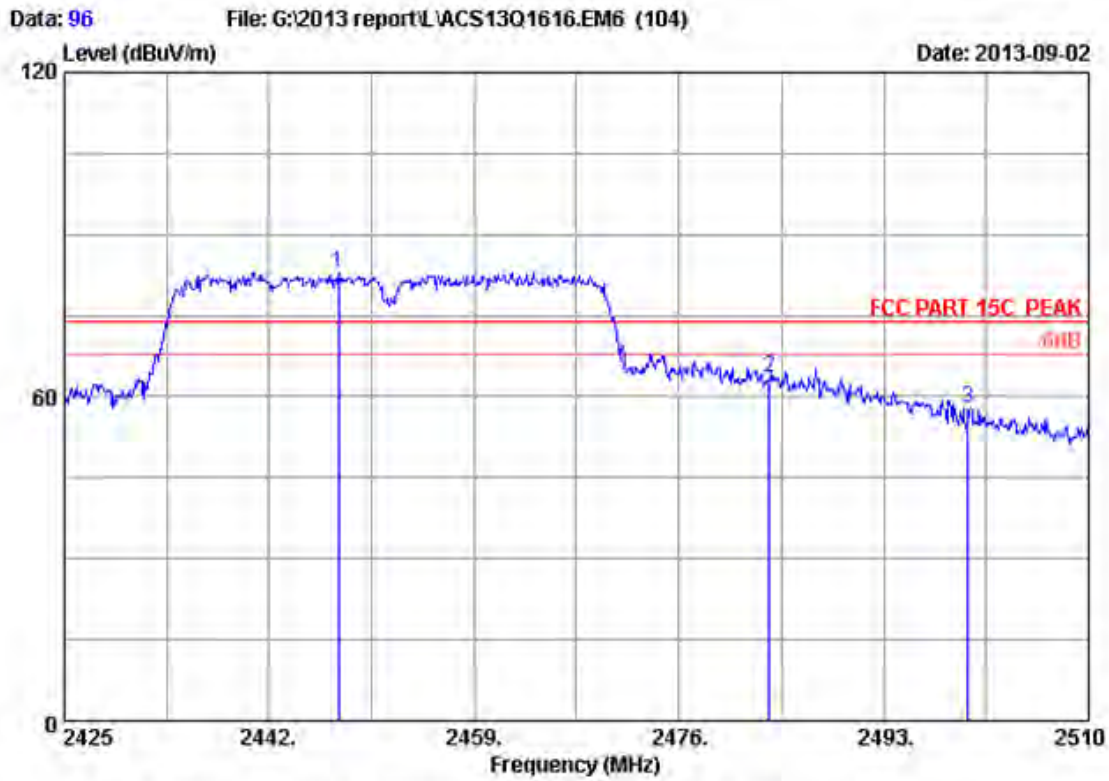
Remarks:
1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 95
Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : HORIZONTAL
Limit : FCC PART 15C AV
Env. / Ins. : 23*C/54% Engineer : Leo-Li
EUT : Ultrathin Wireless Router
Power supply : DC 5V From PC Input AC 120V/60Hz
Test mode : IEEE802.11nHT40 2452MHz Tx Mode
R100

	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2467.500	27.19	5.90	35.70	77.99	75.38	54.00	-21.38	Average
2	2483.500	27.29	5.92	35.70	53.00	50.51	54.00	3.49	Average
3	2500.000	27.40	5.94	35.70	40.73	38.37	54.00	15.63	Average

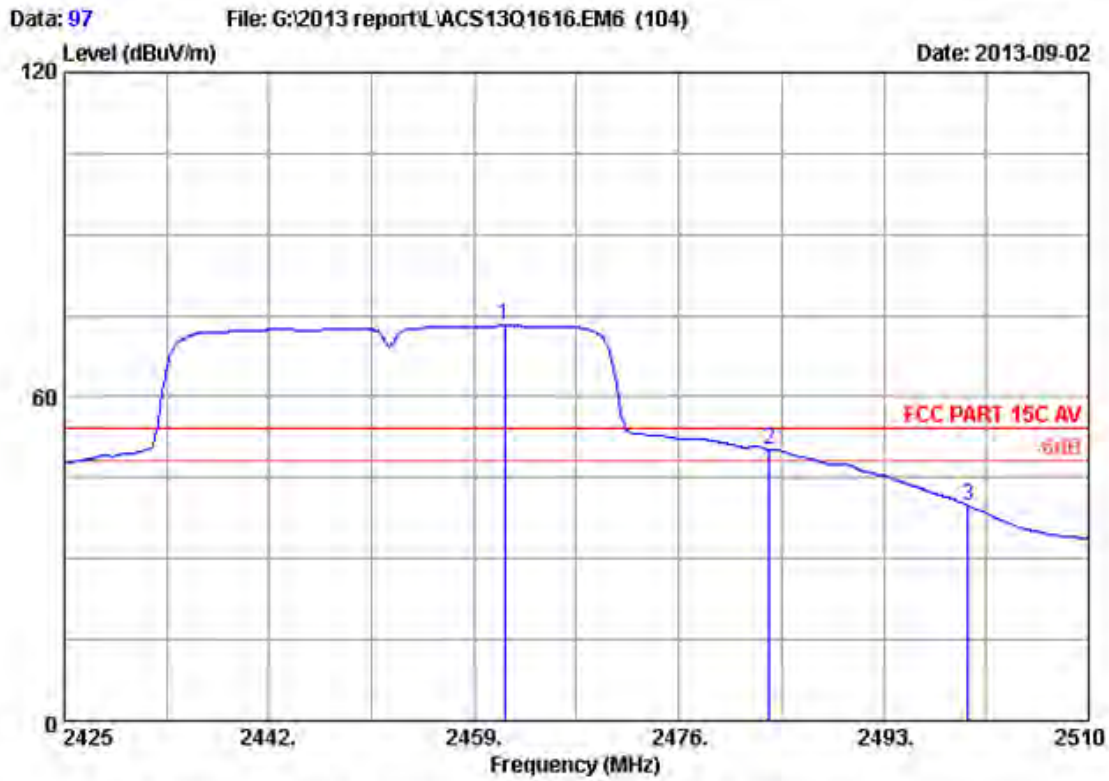
Remarks:
1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 96
Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : HORIZONTAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23*C/54% Engineer : Leo-Li
EUT : Ultrathin Wireless Router
Power supply : DC 5V From PC Input AC 120V/60Hz
Test mode : IEEE802.11nHT40 2452MHz Tx Mode
R100

	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2447.780	27.07	5.87	35.70	85.71	82.95	74.00	-8.95	Peak
2	2483.500	27.29	5.92	35.70	65.91	63.42	74.00	10.58	Peak
3	2500.000	27.40	5.94	35.70	60.15	57.79	74.00	16.21	Peak

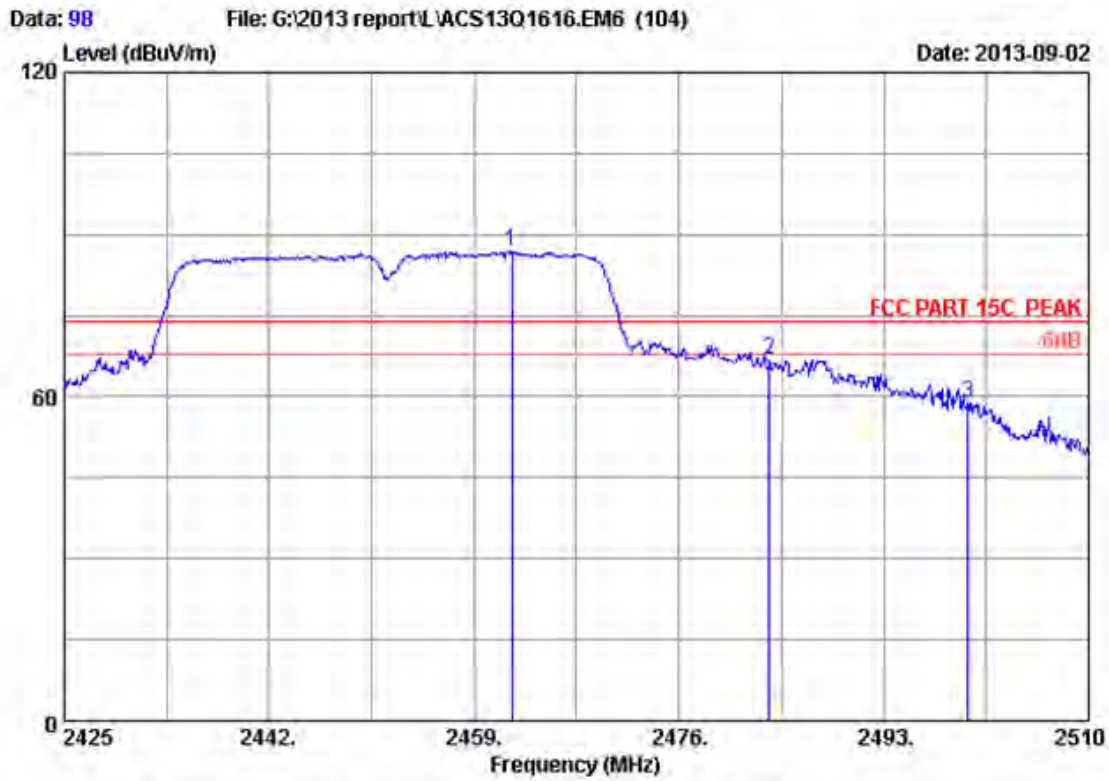
Remarks:
1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 97
Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : VERTICAL
Limit : FCC PART 15C AV
Env. / Ins. : 23*C/54% Engineer : Leo-Li
EUT : Ultrathin Wireless Router
Power supply : DC 5V From PC Input AC 120V/60Hz
Test mode : IEEE802.11nHT40 2452MHz Tx Mode
R100

	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2461.550	27.15	5.89	35.70	75.76	73.10	54.00	-19.10	Average
2	2483.500	27.29	5.92	35.70	52.71	50.22	54.00	3.78	Average
3	2500.000	27.40	5.94	35.70	42.23	39.87	54.00	14.13	Average

Remarks:
1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 98
Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : VERTICAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23*C/54% Engineer : Leo-Li
EUT : Ultrathin Wireless Router
Power supply : DC 5V From PC Input AC 120V/60Hz
Test mode : IEEE802.11nHT40 2452MHz Tx Mode
R100

	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2462.145	27.16	5.89	35.70	89.55	86.90	74.00	-12.90	Peak
2	2483.500	27.29	5.92	35.70	69.24	66.75	74.00	7.25	Peak
3	2500.000	27.40	5.94	35.70	61.20	58.84	74.00	15.16	Peak

Remarks:
1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

7. 6dB Bandwidth Test

7.1.Test Equipment

Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
1.	Spectrum	Agilent	E4446A	US44300459	Oct.31, 12	1Year
2.	Horn Antenna	EMCO	3115	9510-4580	May.28, 13	1 Year
3.	HF Cable	Hubersuhner	Sucoflex104	-	May.08, 13	1 Year

7.2.Limit

For direct sequence systems, the minimum 6dB bandwidth shall be at least 500kHz

7.3.Test Procedure

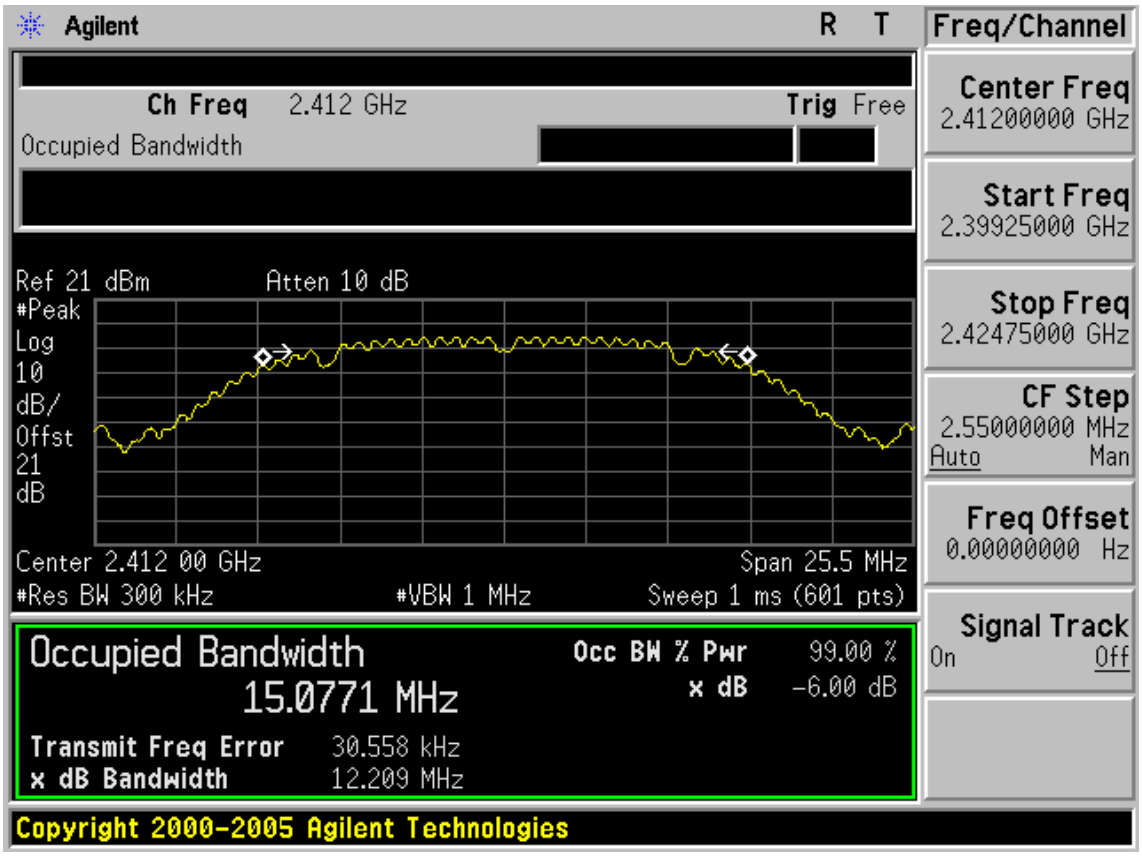
The transmitter output was connected to a spectrum analyzer, The bandwidth of the fundamental frequency was measured by spectrum analyzer with 100kHz RBW and 300 kHz VBW. The 6dB bandwidth is defined as the total spectrum the power of which is higher than peak power minus 6dB.

7.4.Test Results

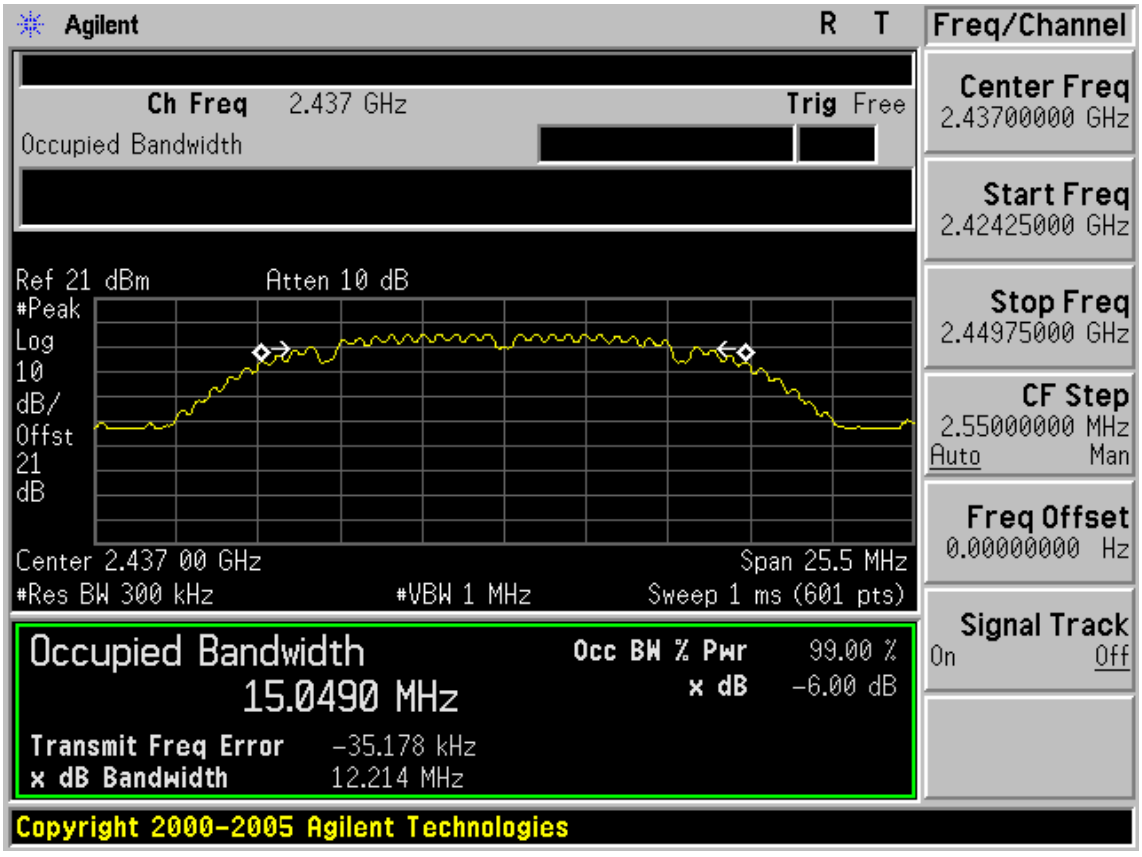
EUT: Ultrathin Wireless Router		
M/N: R100		
Test date:2013-09-01	Pressure: 101.2±1.0kpa	Humidity: 51.5±3.0%
Tested by: Leo-Li	Test site: RF Site	Temperature：23.4±0.6℃

Cable loss: 1 dB		Attenuator loss: 20 dB	
Test Mode	CH	6dB bandwidth （MHz）	Limit (KHz)
11b	CH1	12.209	>500
	CH6	12.214	>500
	CH11	12.226	>500
11g	CH1	16.661	>500
	CH6	16.625	>500
	CH11	16.706	>500
11n HT20	CH1	17.536	>500
	CH6	17.530	>500
	CH11	17.611	>500
11n HT40	CH1	35.908	>500
	CH4	35.632	>500
	CH7	35.696	>500
Conclusion：PASS			

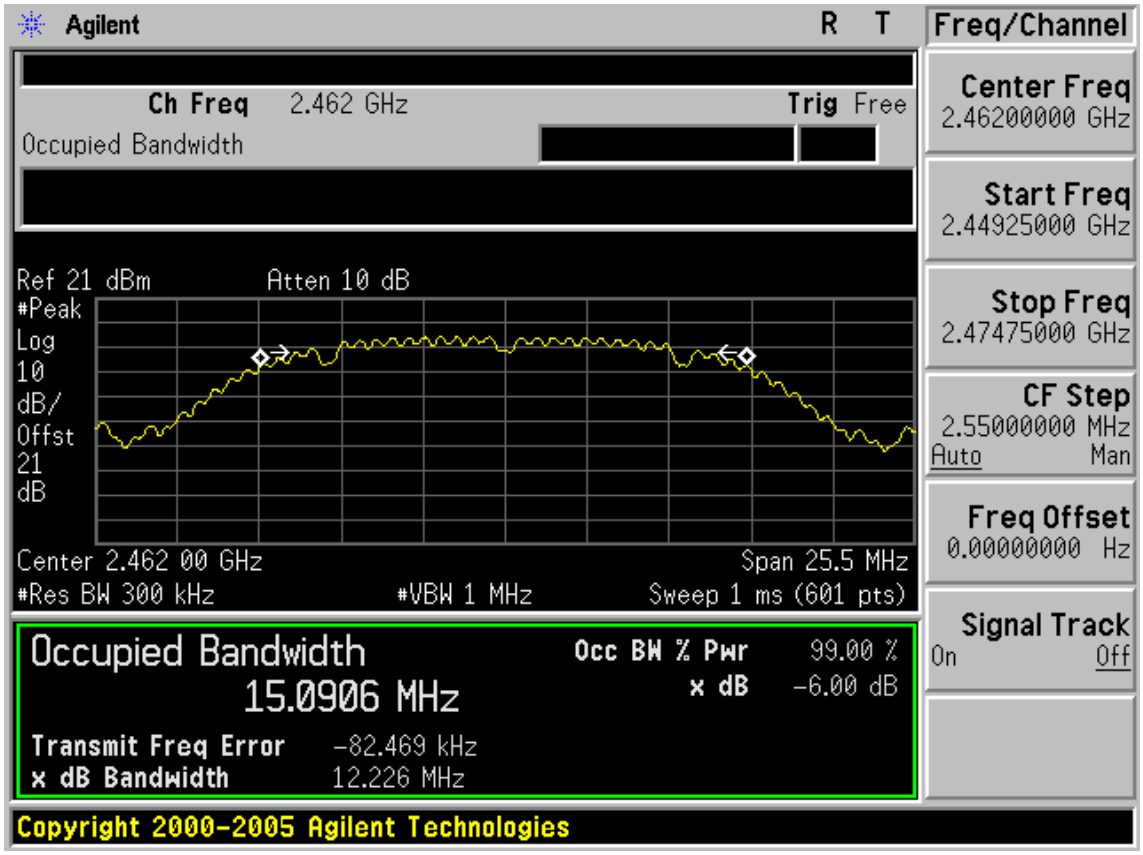
Test Mode: IEEE 802.11b TX
Test CH1: 2412MHz



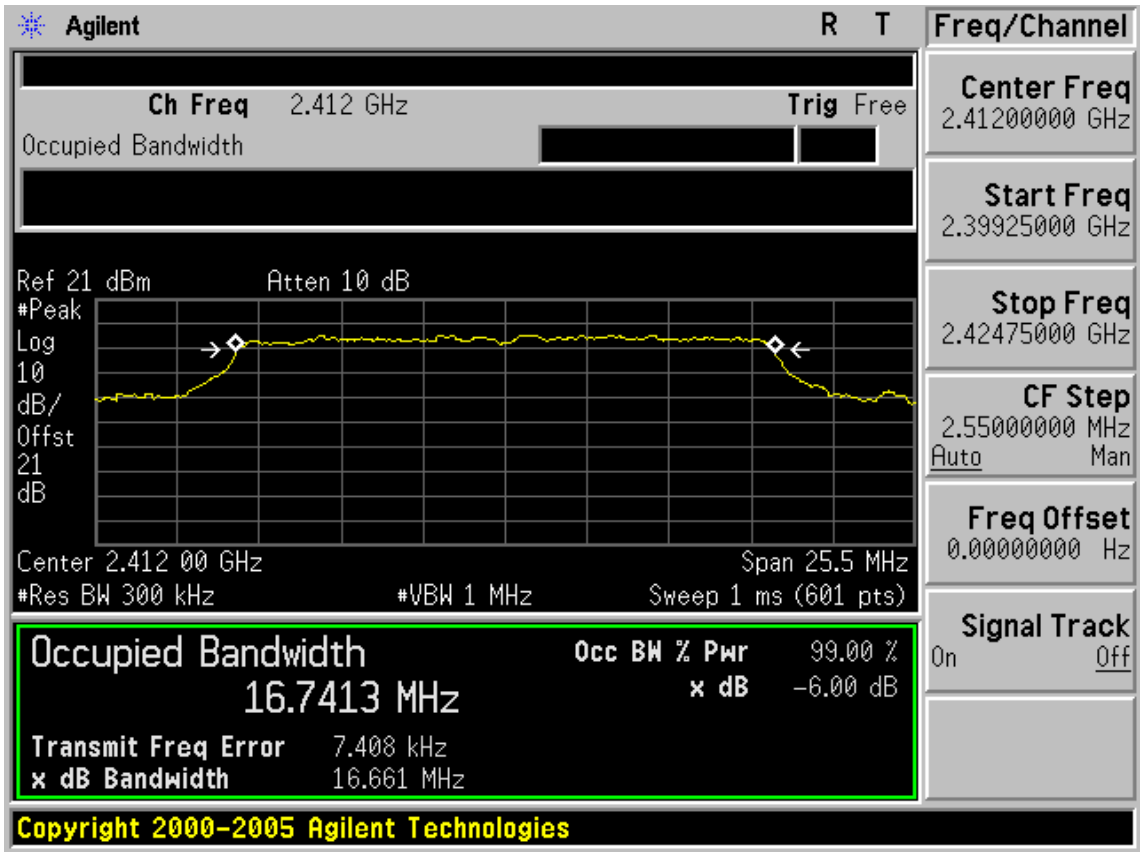
Test CH6: 2437MHz



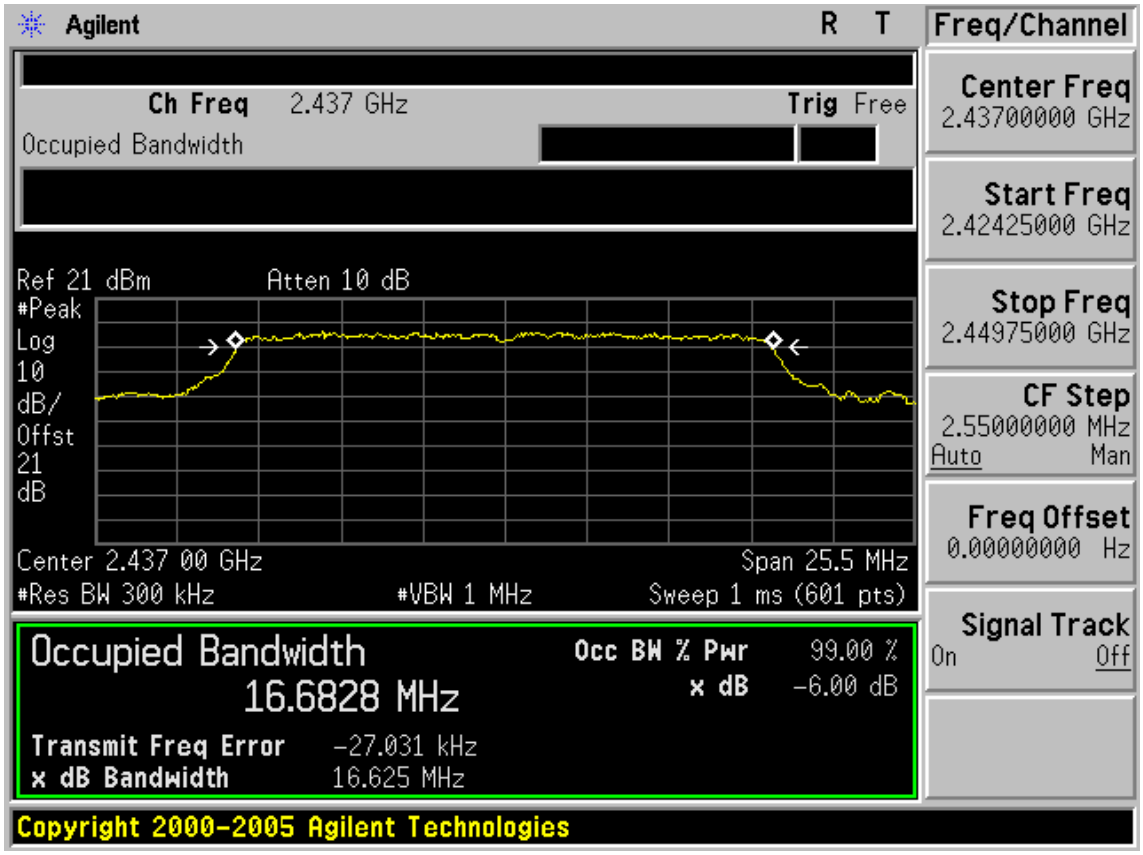
Test CH11: 2462MHz



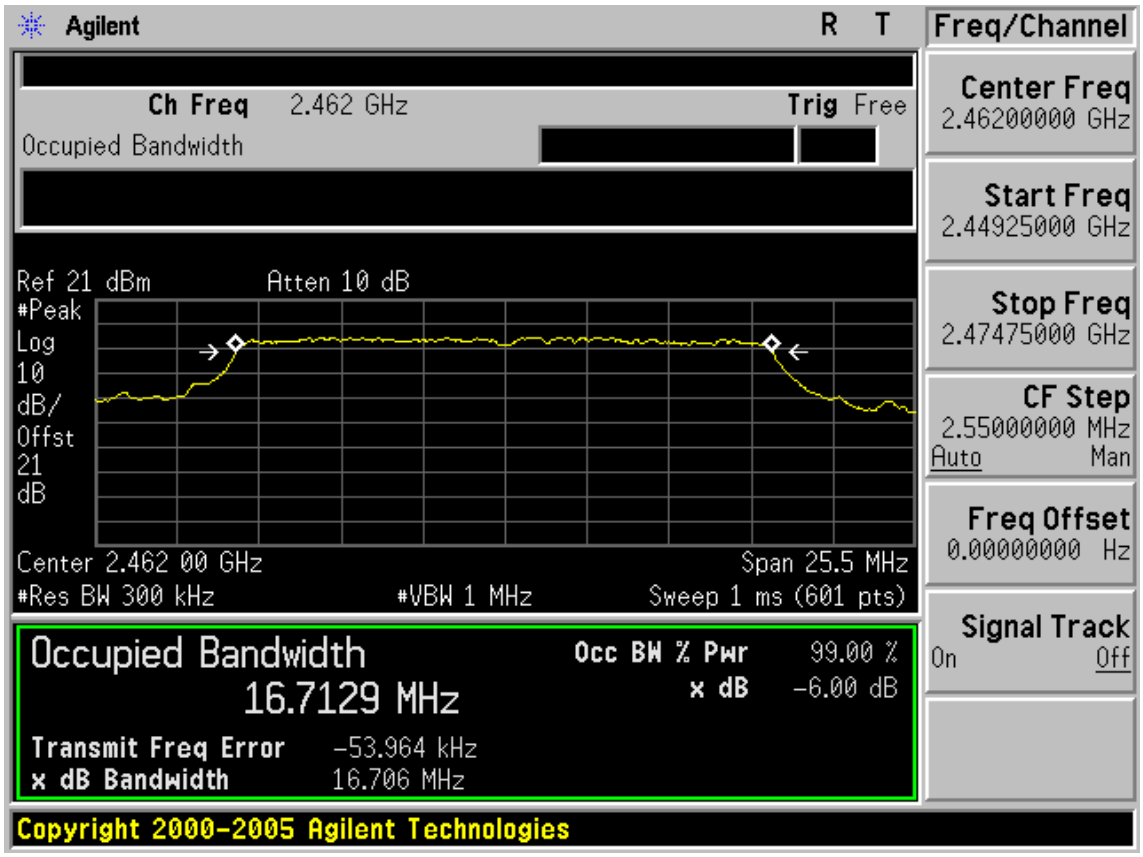
Test Mode: IEEE 802.11g TX
Test CH1: 2412MHz



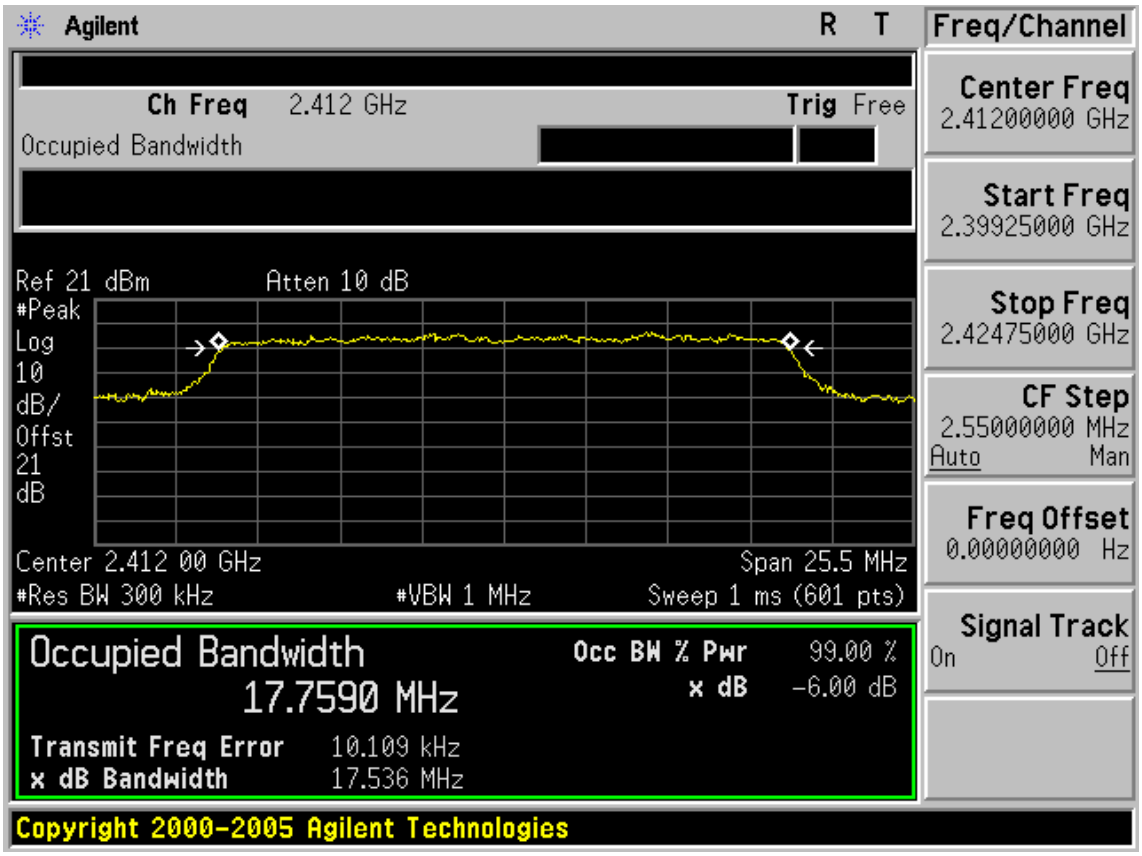
Test CH6: 2437MHz



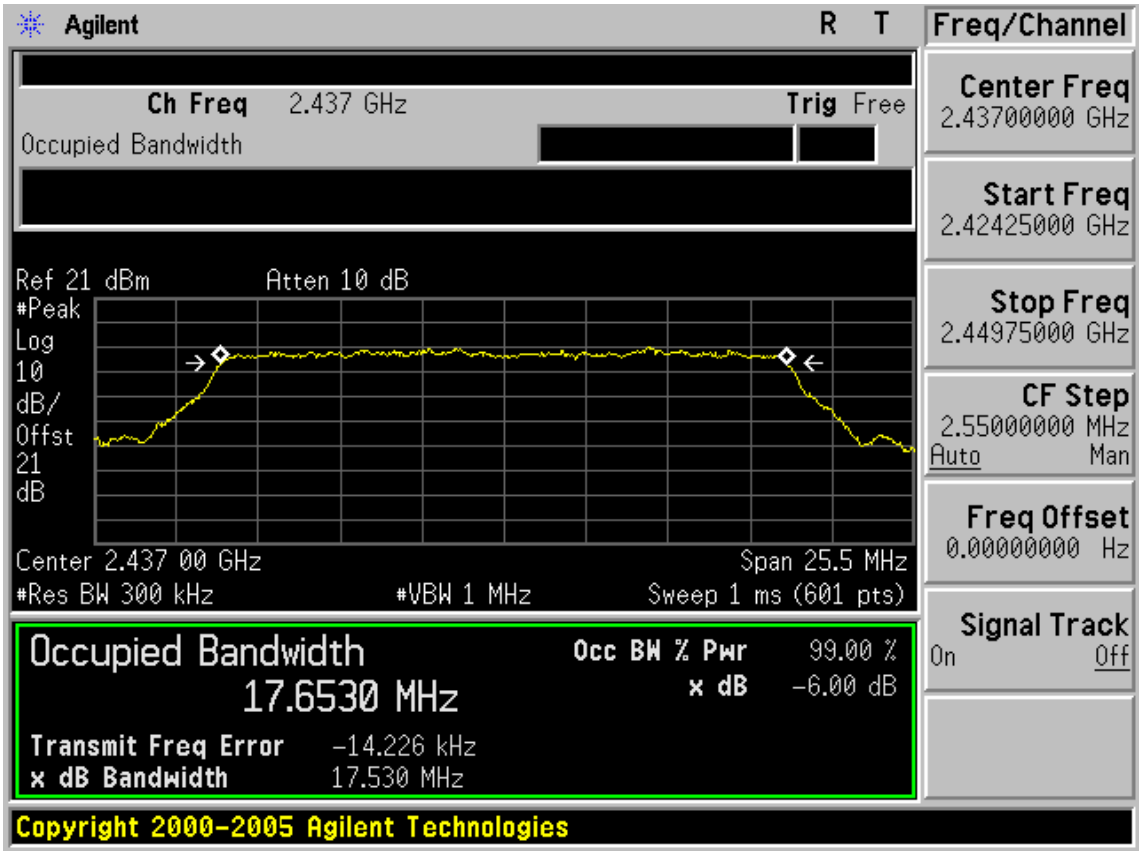
Test CH11: 2462MHz



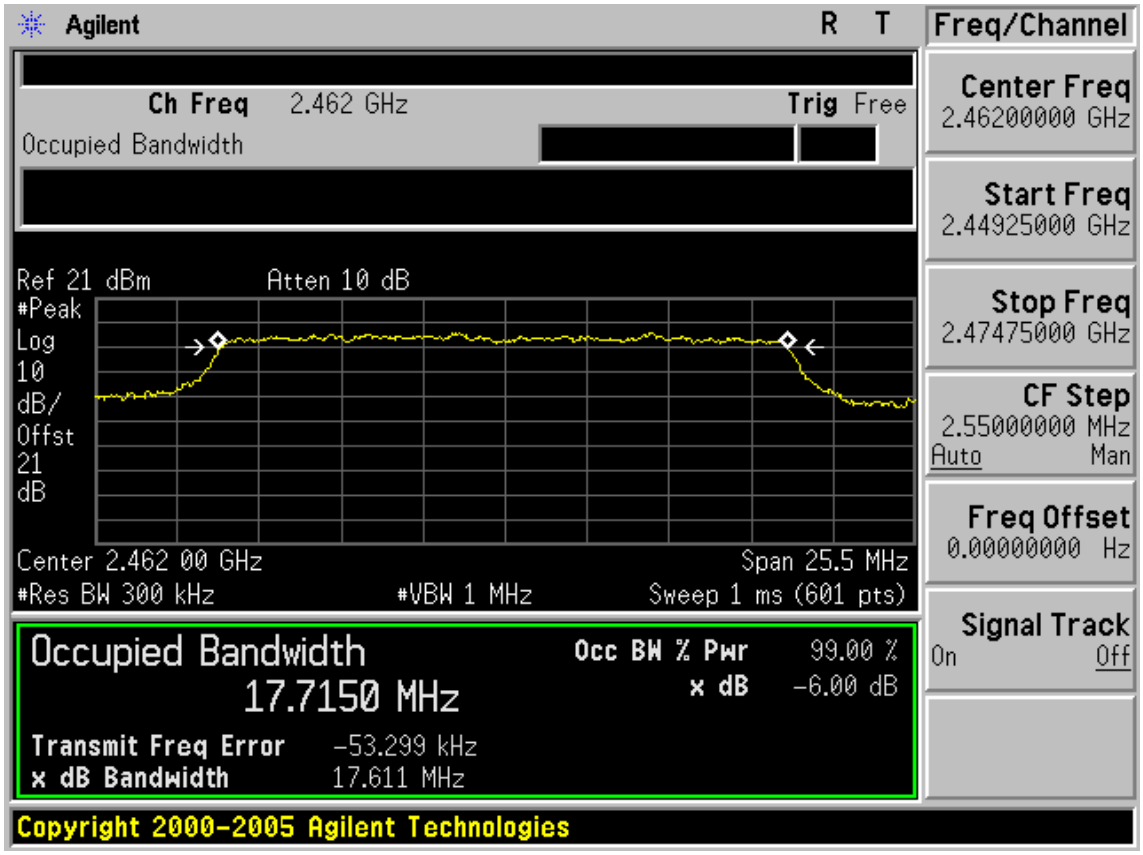
Test Mode: IEEE 802.11n HT20 TX
Test CH1: 2412MHz



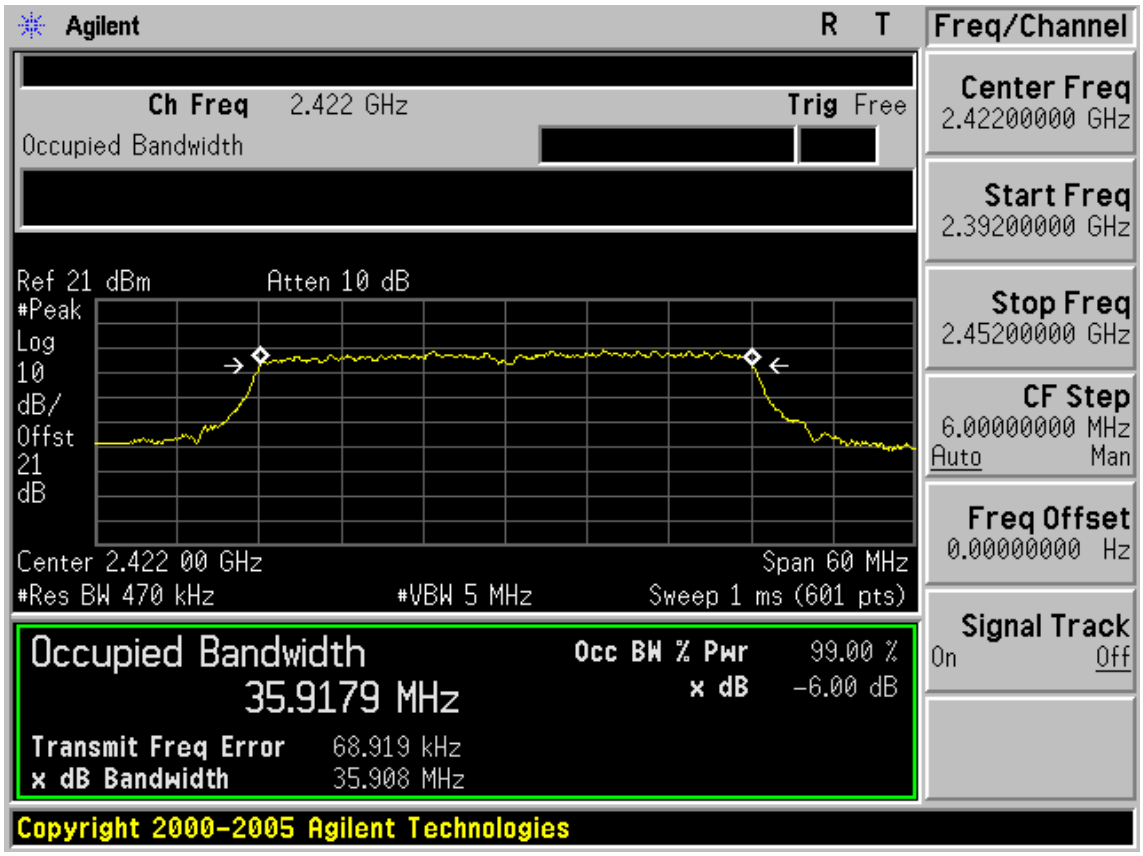
Test CH6: 2437MHz



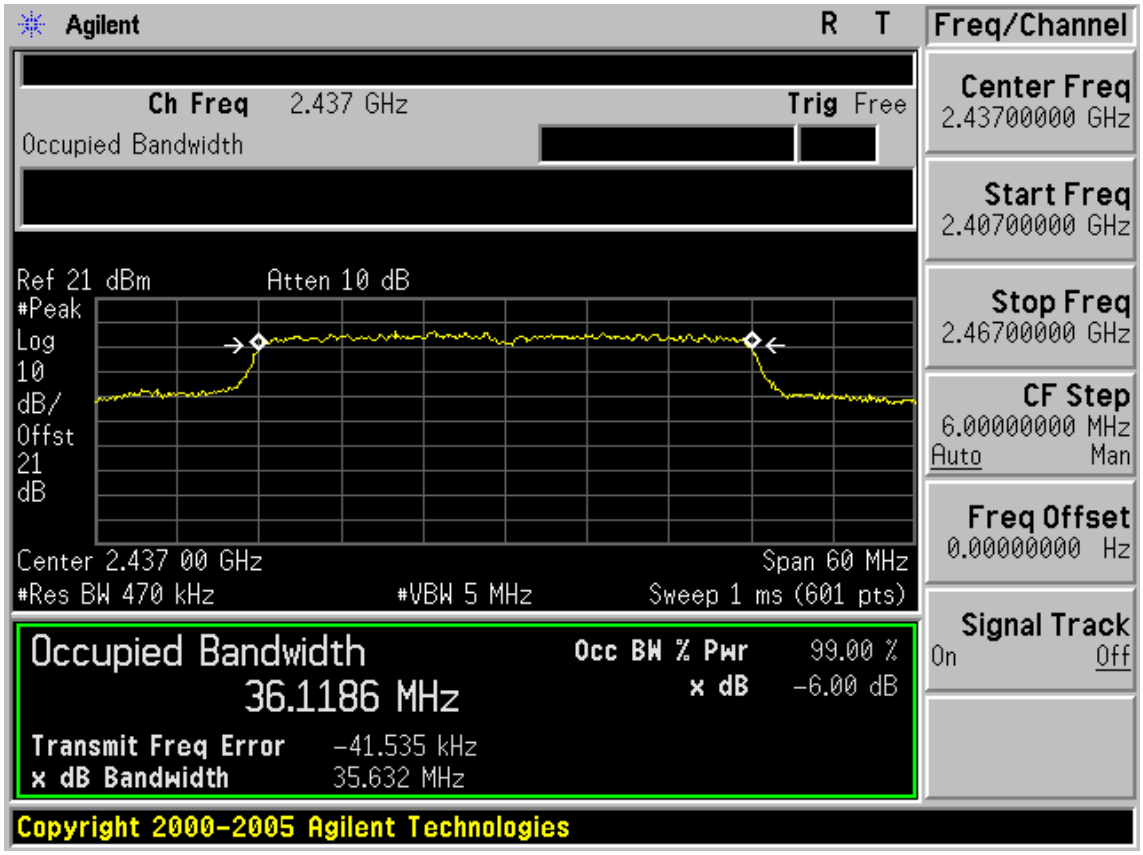
Test CH11: 2462MHz



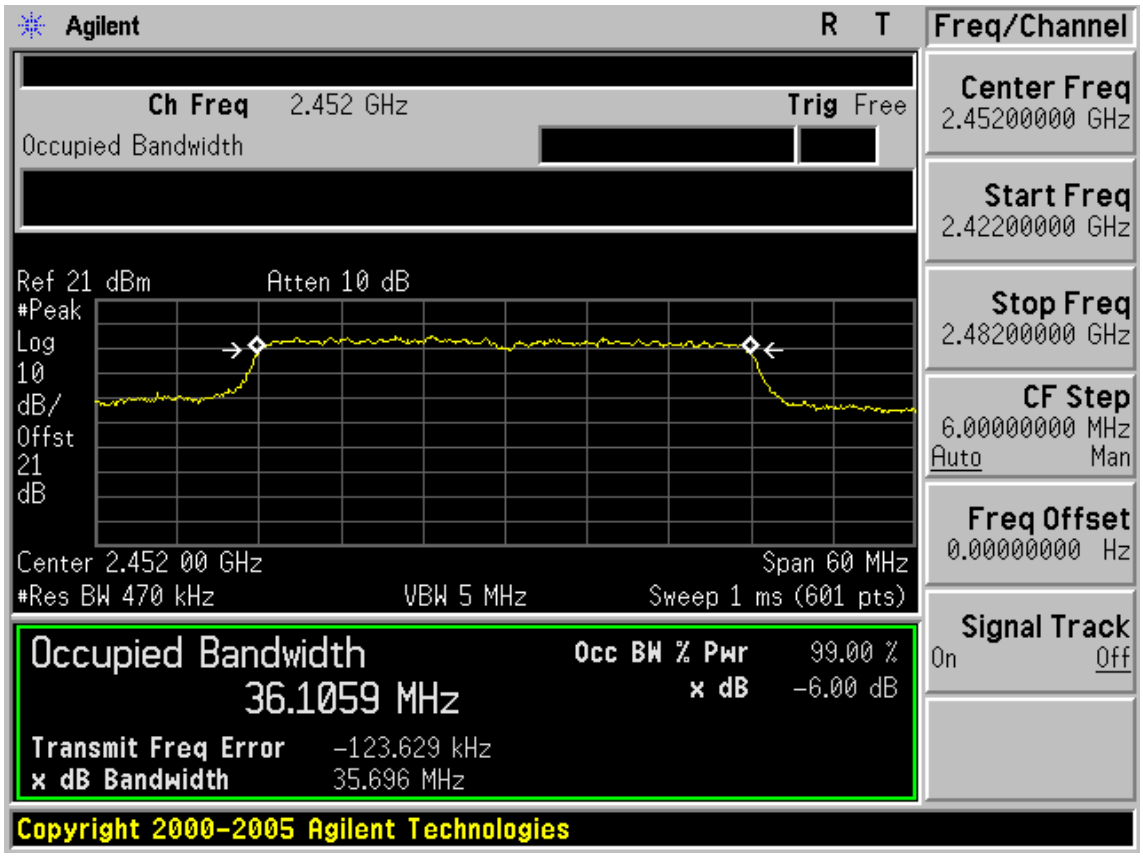
Test Mode: IEEE 802.11n HT40 TX
Test CH1: 2422MHz



Test CH4: 2437MHz



Test CH7: 2452MHz



8. OUTPUT POWER TEST

8.1.Test Equipment

Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
1.	Spectrum Analyzer	Agilent	N9030A	MY51380221	Oct.31, 13	1 Year
2.	Amp	HP	8449B	3008A08495	May.08, 13	1 Year
3.	Horn Antenna	EMCO	3115	9510-4580	May.28, 13	1 Year
4.	HF Cable	Hubersuhne	Sucoflex104	-	May.08, 13	1 Year
5.	Power Meter	Anritsu	ML2487A	6K00002472	May.08, 13	1 Year
6.	Power Sensor	Anritsu	MA2491A	033005	May.08, 13	1 Year

8.2.Limit (FCC Part 15C 15.247 b(3))

For systems using digital modulation in the 2400—2483.5MHz, The Peak out put Power shall not exceed 1W(30dBm)

8.3.Test Procedure

1, Use the spectrum analyzer's channel power function.
2, Set the RBW=1MHz
3, Set the VBW=3MHz
4, Set the span to a value that is 5-30% greater than the EBW.
5, Detector=Peak
6, Sweep time=auto couple
7, Trace mode=max hold
8, Allow trace to fully stabilize
9, Record the measurement power.

8.4.Test Results

EUT: Ultrathin Wireless Router		
M/N: R100		
Test date:2013-09-03	Pressure: 101.1±1.0kpa	Humidity: 52.2±3.0 %
Tested by: Leo-Li	Test site: RF site	Temperature: 24.1±0.6 ℃

Cable loss: 1.0dB		Attenuator loss: 20 dB	
Test Mode	CH (MHz)	Peak output Power（dBm）	Limit (dBm)
11b	CH1	19.10	30
	CH6	19.33	30
	CH11	19.45	30
11g	CH1	23.94	30
	CH6	24.04	30
	CH11	22.98	30
11n HT20	CH1	24.57	30
	CH6	24.68	30
	CH11	21.20	30
11n HT40	CH1	23.52	30
	CH4	23.35	30
	CH7	22.26	30
Conclusion: PASS			

Test Mode: IEEE 802.11b TX

Test CH1: 2412MHz

Test CH6: 2437MHz

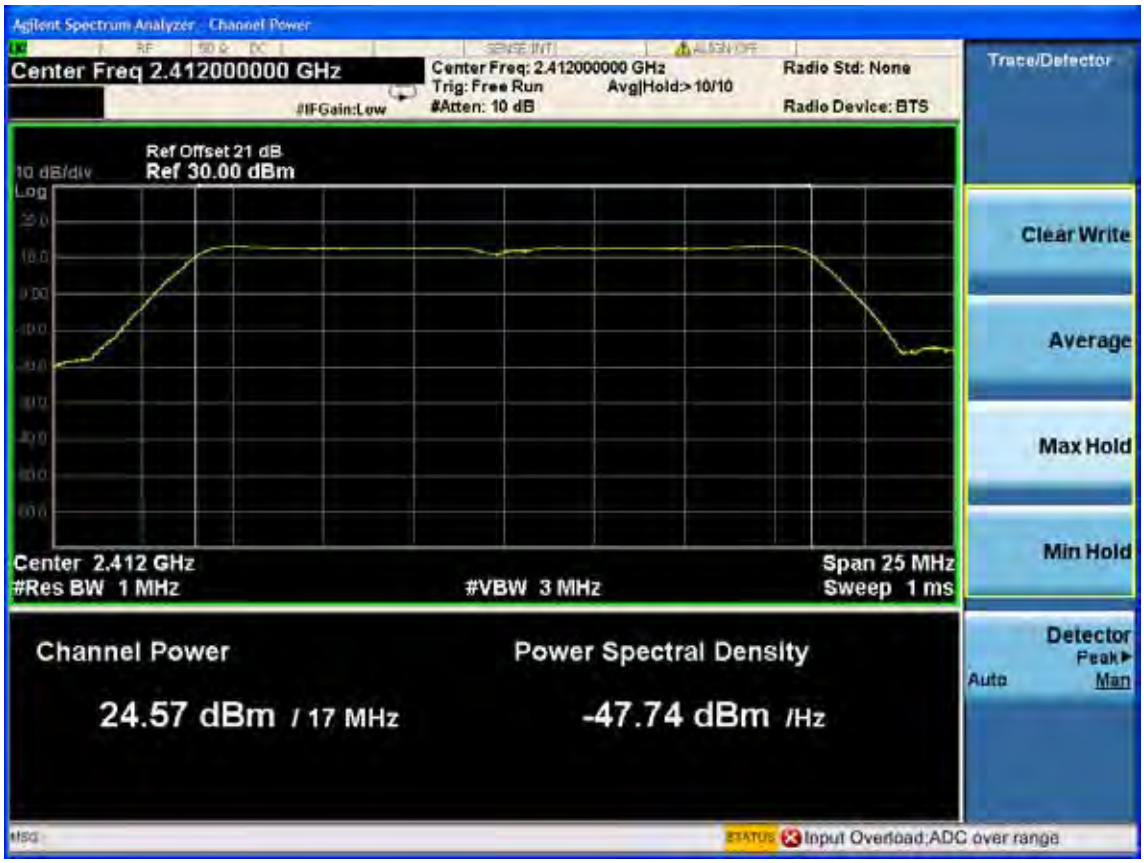
Test CH11: 2462MHz

Test Mode: IEEE 802.11g TX
Test CH1: 2412MHz

Test CH6: 2437MHz

Test CH11: 2462MHz

Test Mode: IEEE 802.11n HT20 TX
Test CH1: 2412MHz



Test CH6: 2437MHz

Test CH11: 2462MHz

Test Mode: IEEE 802.11n HT40 TX
Test CH1: 2422MHz

Test CH4: 2437MHz

Test CH7: 2452MHz

9. POWER SPECTRAL DENSITY TEST

9.1.Test Equipment

Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
1.	Spectrum	Agilent	E4446A	US44300459	May.08, 13	1Year
2.	Amp	HP	8449B	3008A08495	May.08, 13	1 Year
3.	Horn Antenna	EMCO	3115	9510-4580	May.28, 13	1 Year
4.	HF Cable	Hubersuhne	Sucoflex104	-	May.08, 13	1 Year

9.2.Limit

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

9.3.Test Procedure

1. Connected the EUT's antenna port to spectrum analyzer device by 20dB attenuator.

2 , Set the test frequency as center frequency,Set RBW=3KHz,VBW=10KHz,Span large enough capture the entire frequency,Read out maximum peak leval frequency

3, Set the frequency read from produce 2 as center frequency,then set the span= 300KHz, Sweep time=Span/RBW,Then Max hold,read out each mode and each chain's Power density.

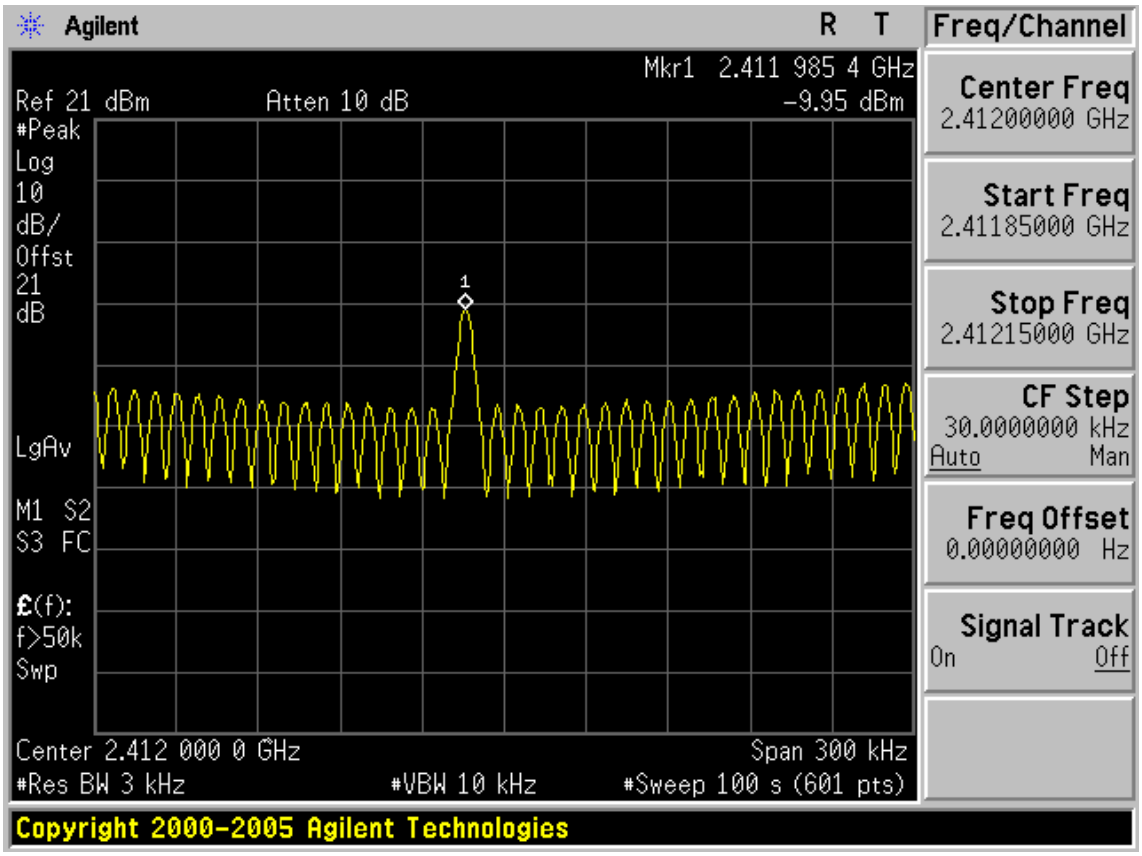
Note: The cable loss and attenuator loss were offset into measure device as an amplitude

9.4.Test Results

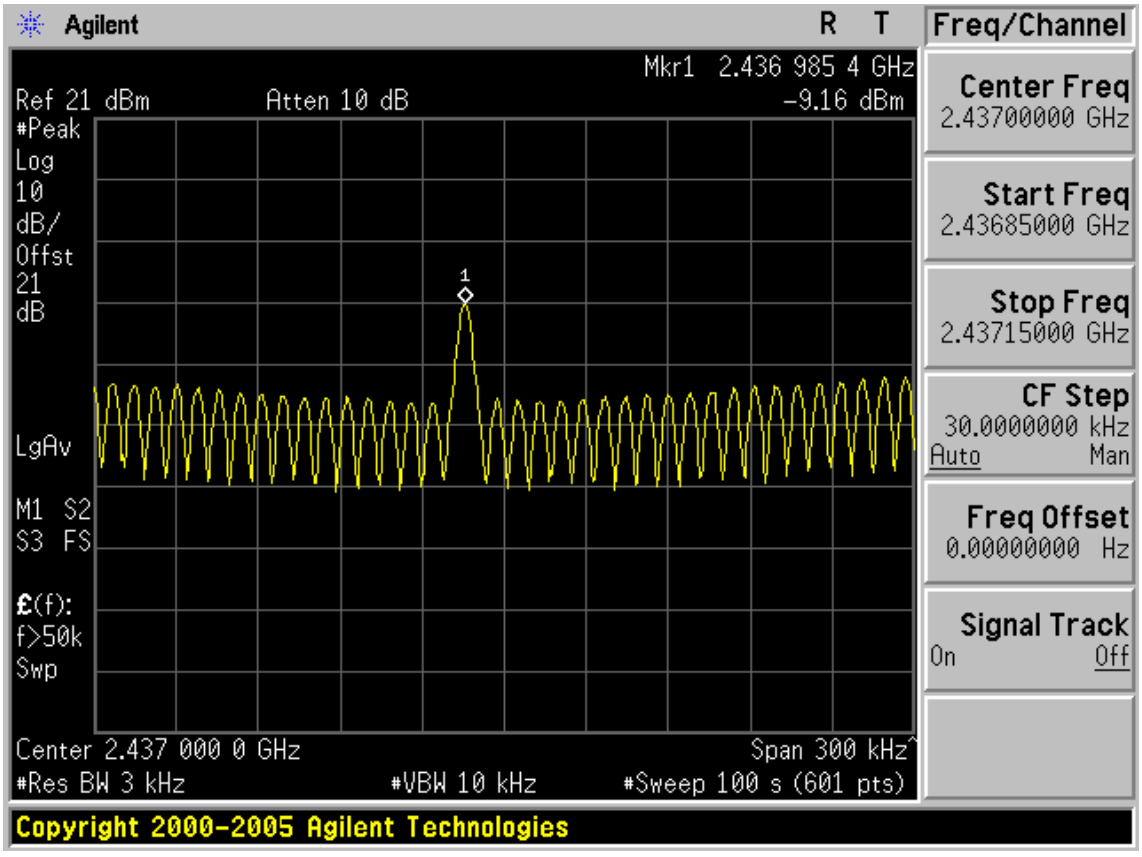
EUT:Ultrathin Wireless Router		
M/N: R100		
Test date: 2013-09-01	Pressure: 101.1±1.0kpa	Humidity: 51.8±3.0 %
Tested by: Leo-Li	Test site: RF Site	Temperature: 23.3±0.6℃

Cable loss: 1 dB		Attenuator loss: 20 dB	
Test Mode	CH	Power density（dBm/3KHz）	Limit (dBm/3KHz)
11b	CH1	-9.95	8
	CH6	-9.16	8
	CH11	-10.92	8
11g	CH1	-7.04	8
	CH6	-5.85	8
	CH11	-7.11	8
11n HT20	CH1	-6.53	8
	CH6	-5.55	8
	CH11	-6.88	8
11n HT40	CH1	-6.74	8
	CH4	-6.17	8
	CH7	-6.91	8
Conclusion：PASS			

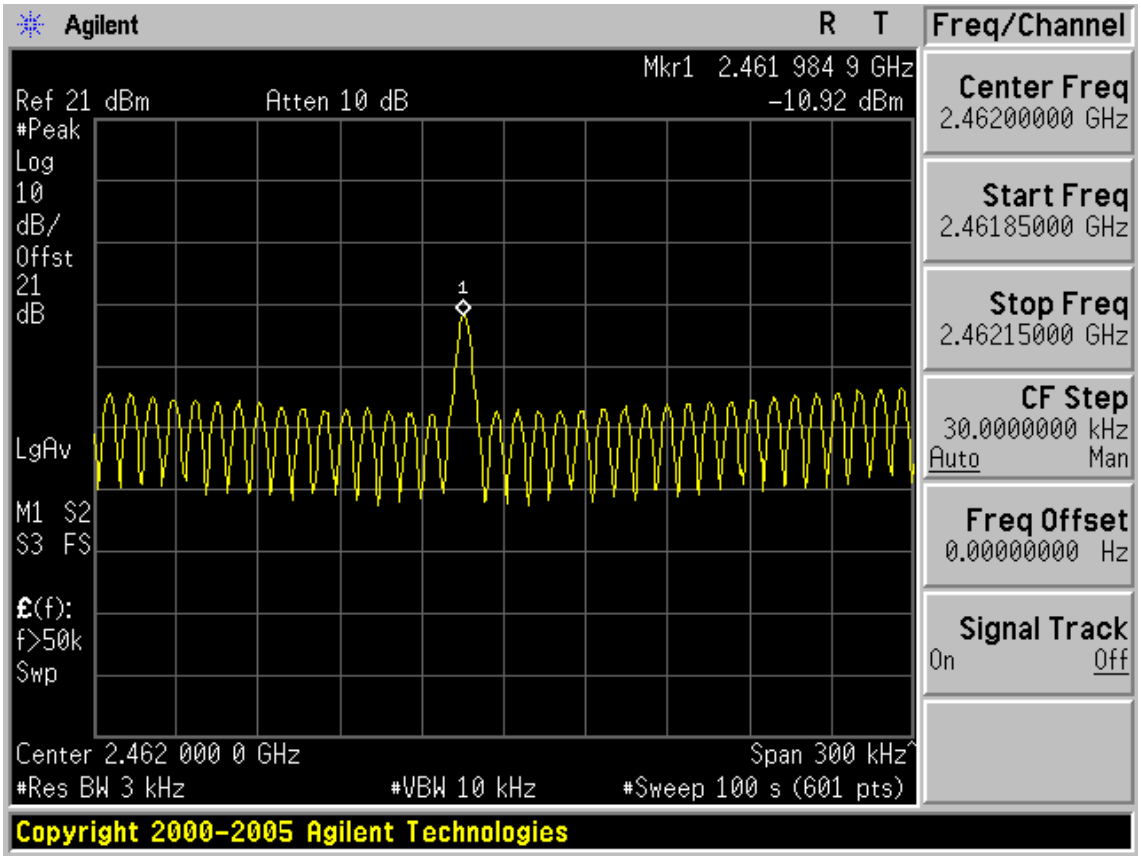
Test Mode: IEEE 802.11b TX
Test CH1: 2412MHz



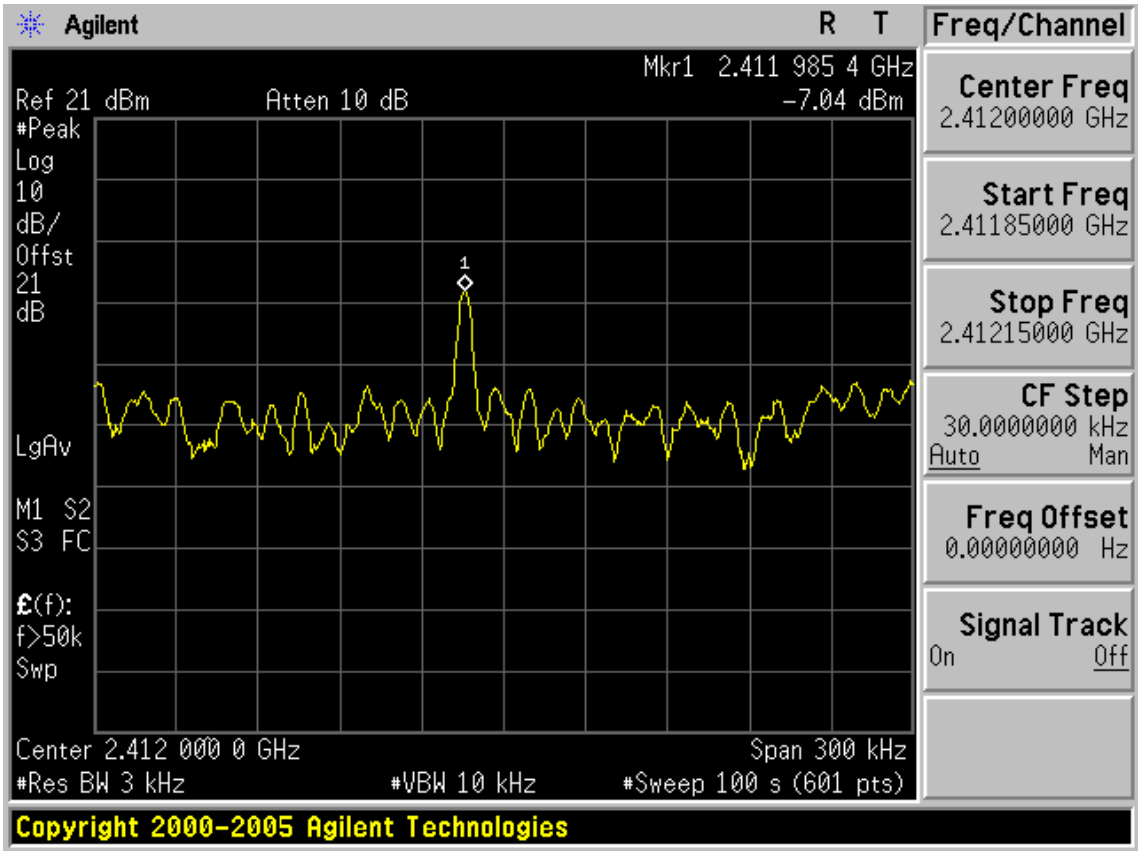
Test CH6: 2437MHz



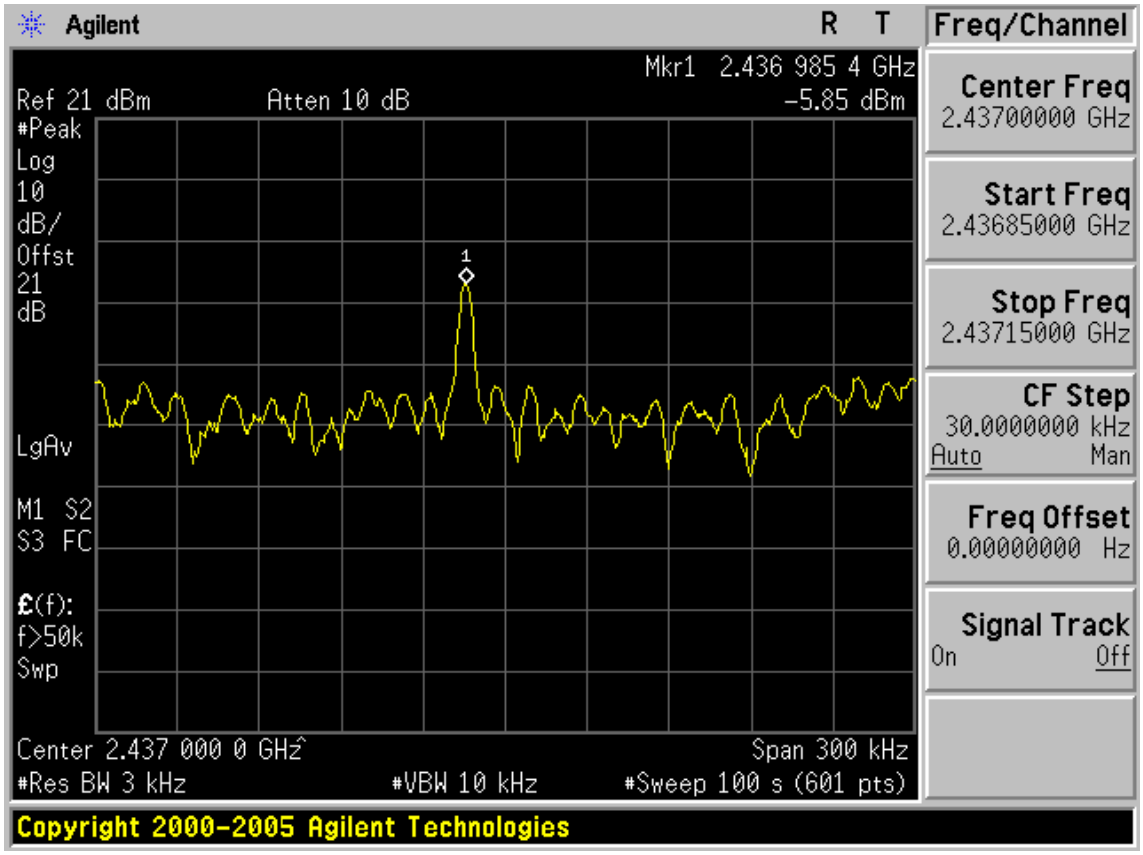
Test CH11: 2462MHz



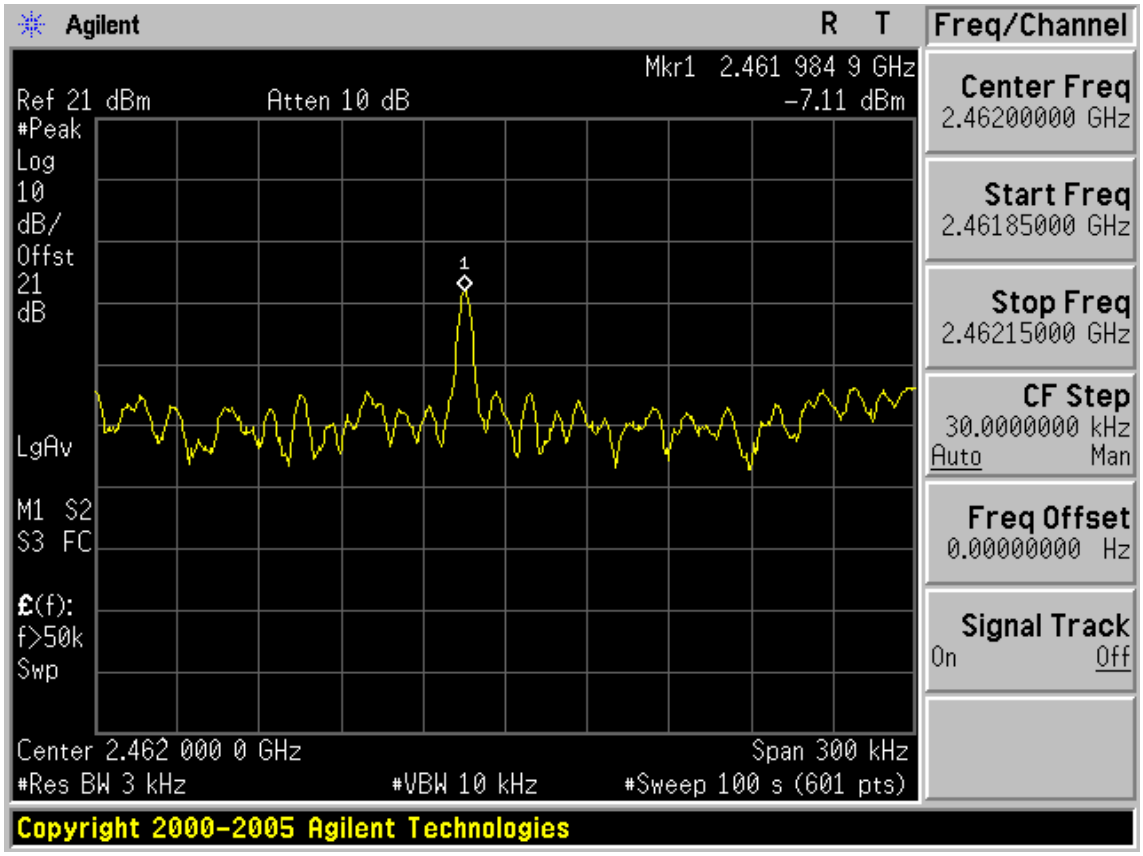
Test Mode: IEEE 802.11g TX
Test CH1: 2412MHz



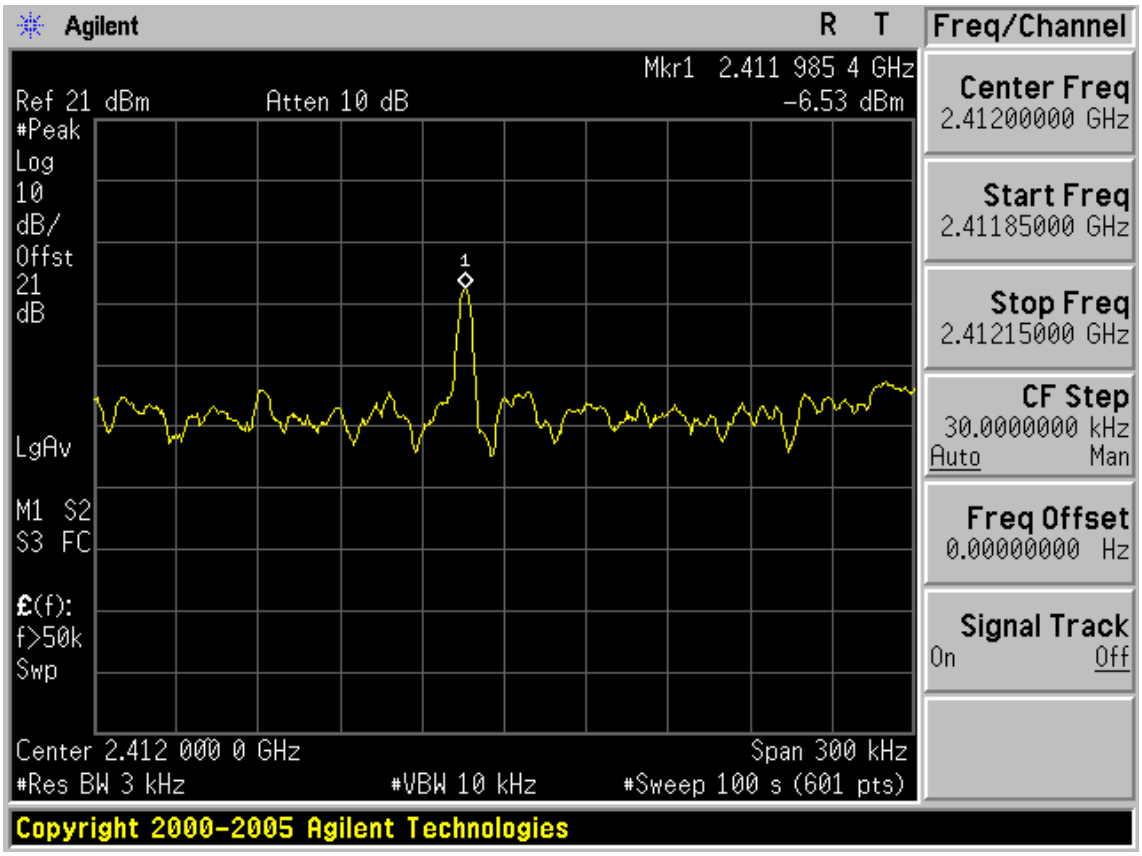
Test CH6: 2437MHz



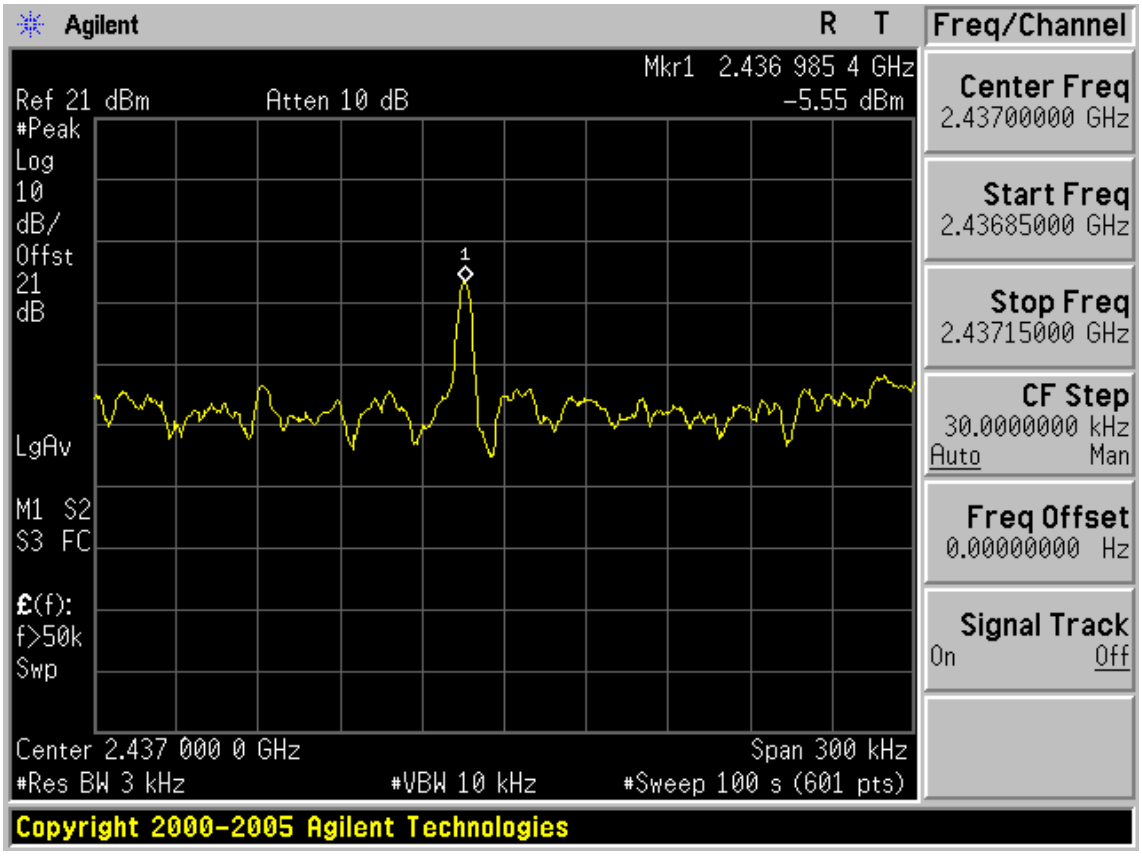
Test CH11: 2462MHz



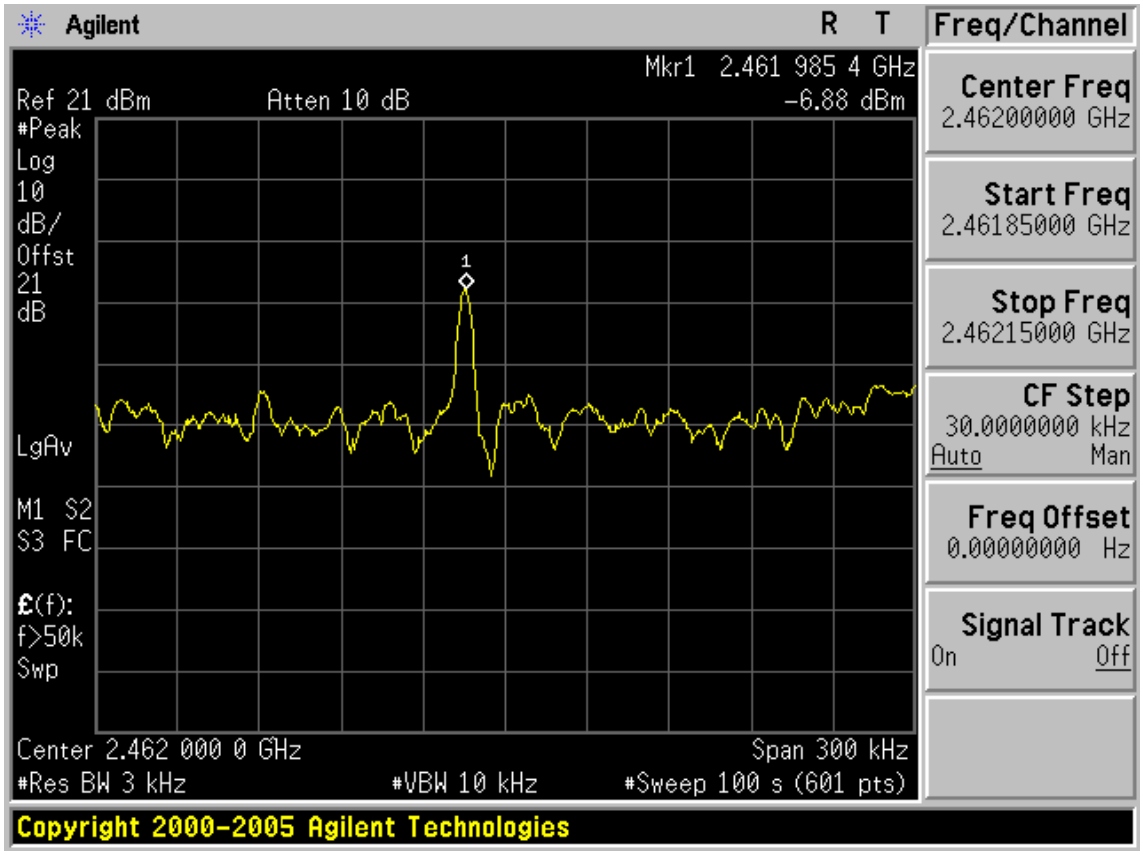
Test Mode: IEEE 802.11n HT20 TX
Test CH1: 2412MHz



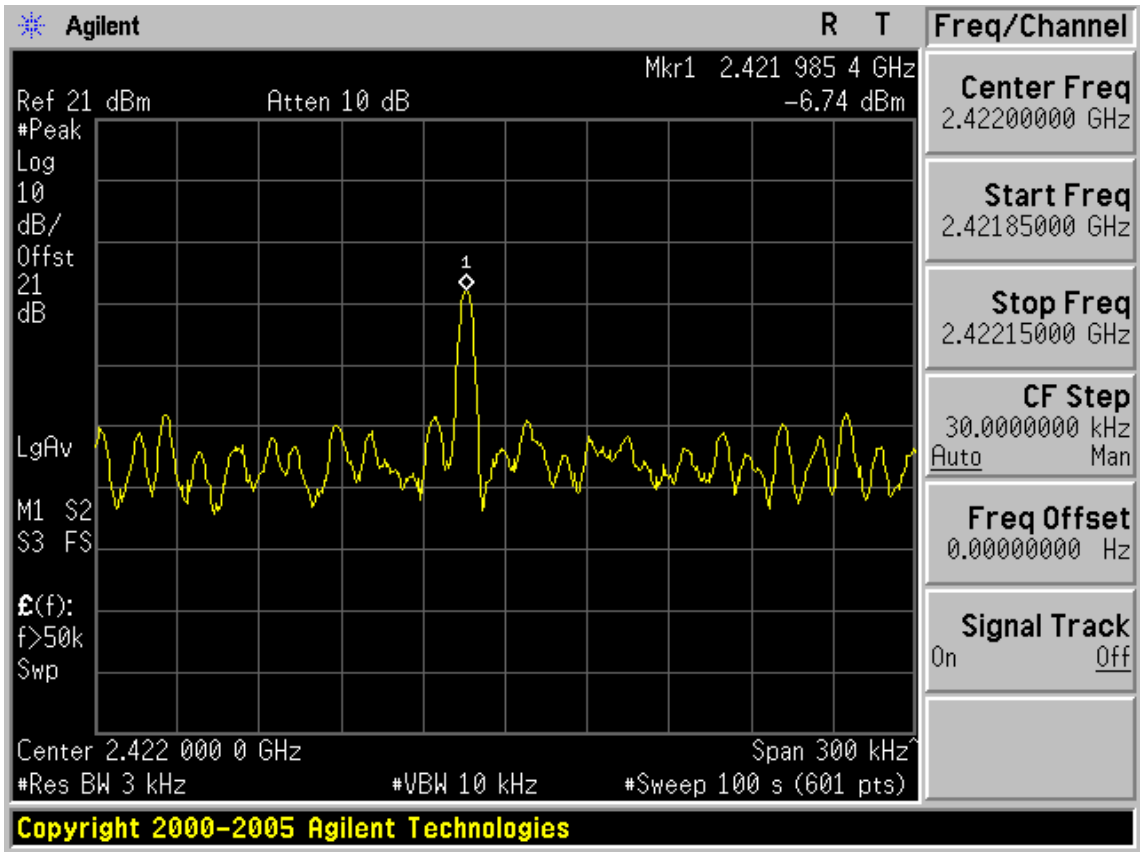
Test CH6: 2437MHz



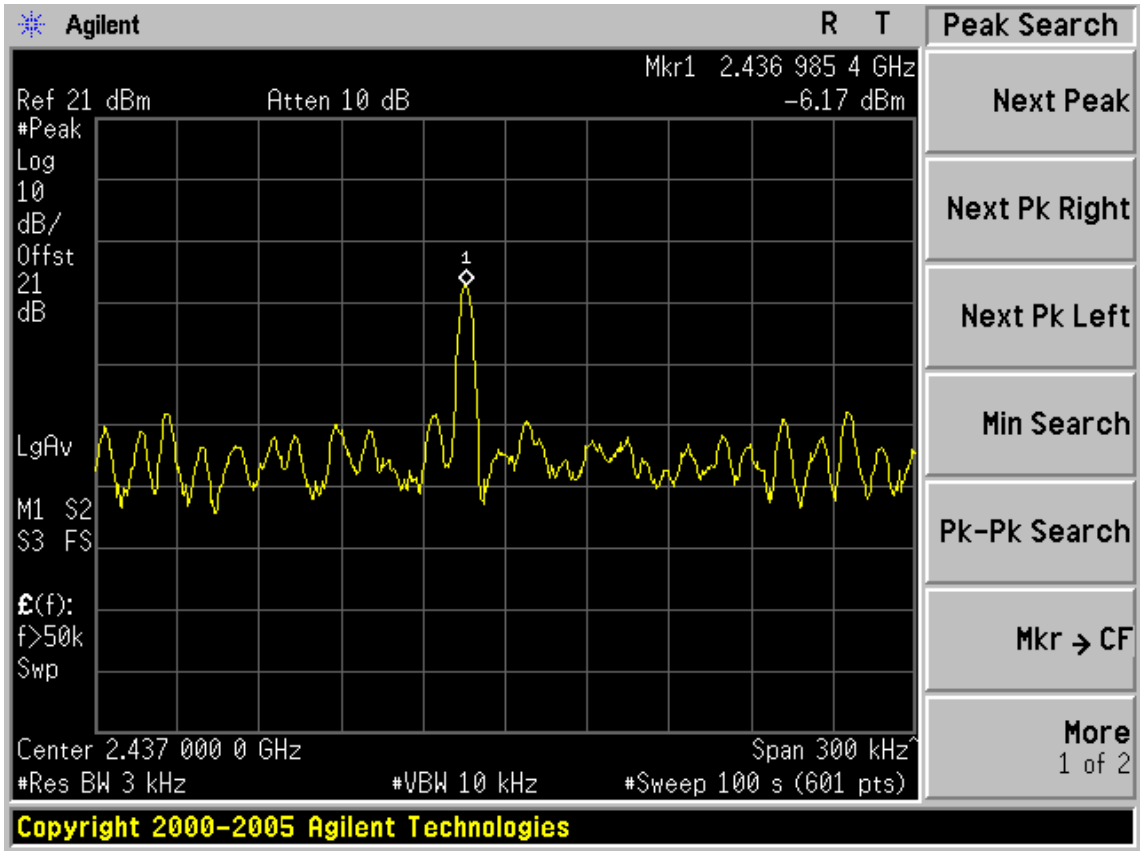
Test CH11: 2462MHz



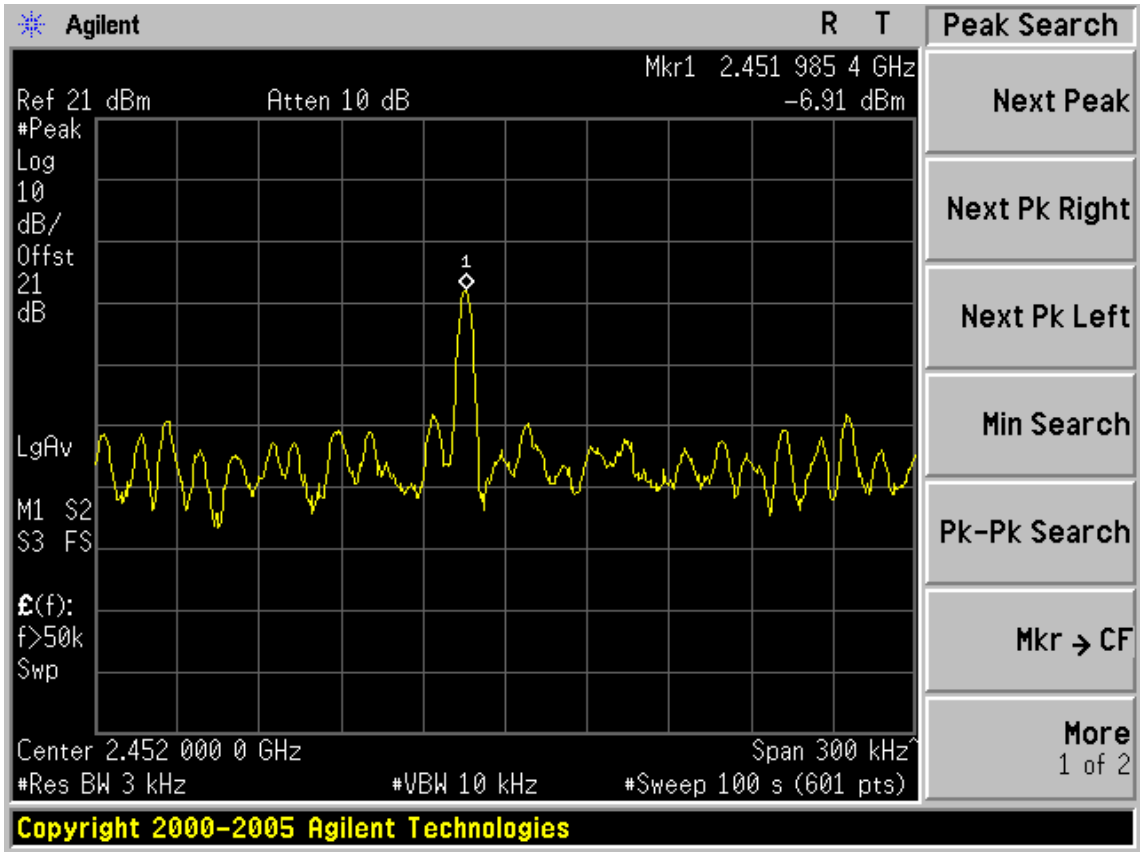
Test Mode: IEEE 802.11n HT40 TX
Test CH1: 2422MHz



Test CH4: 2437MHz



Test CH7: 2452MHz



10. ANTENNA REQUIREMENT

10.1. STANDARD APPLICABLE

For intentional device, according to FCC 47 CFR Section 15.203, an intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. And according to FCC 47 CFR Section 15.247 (b), if transmitting antennas of directional gain greater than 6dBi are used, the power shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6dBi.

10.2. ANTENNA CONNECTED CONSTRUCTION

The antennas used for this product are Multi-layer chip antenna that no antenna other than that furnished by the responsible party shall be used with the device, the maximum peak gain of the transmit antenna is 2dBi.

11.MPE ESTIMATION

11.1.Limit for General Population/ Uncontrolled Exposures

Frequency	**Power density (mW/ cm^2)**	**Averaging time(minutes)**
300MHz----1.5GHz	F/1500	30
1.5GHz---100GHz	1.0	30

Frequency(MHz)	**Power density (mW/ cm^2)**	**Averaging time(minutes)**
2412	1	30
2437	1	30
2462	1	30

Note: F= Frequency in MHz

11.2. Estimation Result

EUT: Ultrathin Wireless Router		
M/N: R100		
Test date: 2013-09-03	Pressure: 101.3±1.0 kpa	Humidity: 48.9±3.0%
Tested by: Leo-Li	Test site: RF site	Temperature: 22.5±0.6 ℃

Cable loss: 1 dB		Attenuator loss: 20 dB				Antenna Gain: 1.32dBi	
Test Mode	CH	Frequency（MHz）	Peak Output Power (dBm)	Output Power (mW)	Antenna Gain (dBi)	Antenna Gain (Linear)	MPE
11b	CH1	2412	19.10	81.28	2	1.58	0.0256
	CH6	2437	19.33	85.70	2	1.58	0.0270
	CH11	2462	19.45	88.10	2	1.58	0.0278
11g	CH1	2412	23.94	247.74	2	1.58	0.0782
	CH6	2437	24.04	253.51	2	1.58	0.0800
	CH11	2462	22.98	198.61	2	1.58	0.0627
11n HT20	CH1	2412	24.57	286.42	2	1.58	0.0904
	CH6	2437	24.68	293.76	2	1.58	0.0927
	CH11	2462	21.20	131.83	2	1.58	0.0416
11n HT40	CH1	2422	23.52	224.91	2	1.58	0.0709
	CH4	2437	23.35	216.27	2	1.58	0.0682
	CH7	2452	22.26	168.27	2	1.58	0.0531

12.DEVIATION TO TEST SPECIFICATIONS

[NONE]