



FCC ID:HEDSMCWPCI-N3

AUDIX Technology (Shenzhen) Co., Ltd.

FCC PART 15C TEST REPORT FOR CERTIFICATION
On Behalf of

Accton Technology Corporation

EZ Connect™ N 11n Wireless PCI Adapter

Model No.: SMCWPCI-N3

FCC ID: HEDSMCWPCI-N3

Prepared for : Accton Technology Corporation
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Date of Report : Dec.23, 2010

TABLE OF CONTENTS

Description	Page
1. SUMMARY OF STANDARDS AND RESULTS.....	1-1
1.1. Description of Standards and Results	1-1
2. GENERAL INFORMATION	2-1
2.1. Description of Device (EUT)	2-1
2.2. Test Information.....	2-2
2.3. Data rate VS power.....	错误！未定义书签。
2.4. Tested Supporting System Details	2-3
2.5. Block diagram of connection between the EUT and simulators	2-3
2.6. Test Facility	2-4
2.7. Measurement Uncertainty (95% confidence levels, k=2)	2-5
3. POWER LINE CONDUCTED EMISSION TEST	3-1
3.1. Test Equipments.....	3-1
3.2. Block Diagram of Test Setup.....	3-1
3.3. Power Line Conducted Emission Test Limits.....	3-1
3.4. Configuration of EUT on Test	3-2
3.5. Operating Condition of EUT.....	3-2
3.6. Test Procedure.....	3-2
3.7. Power Line Conducted Emission Test Results	3-2
4. RADIATED EMISSION TEST	4-1
4.1. Test Equipment	4-1
4.2. Block Diagram of Test Setup.....	4-1
4.3. Radiated Emission Limit.....	4-2
4.4. EUT Configuration on Test.....	4-3
4.5. Operating Condition of EUT.....	4-3
4.6. Test Procedure.....	4-3
4.7. Radiated Emission Test Results	4-4
5. CONDUCTED SPURIOUS EMISSIONS.....	5-1
5.1. Test Equipment	5-1
5.2. Limit.....	5-1
5.3. Test Procedure.....	5-1
5.4. Test result.....	5-1
6. BAND EDGE COMPLIANCE TEST	6-1
6.1. Test Equipment	6-1
6.2. Limit.....	6-1
6.3. Test Produce	6-1
6.4. Test Results	6-1
7. 6dB Bandwidth Test.....	7-1
7.1. Test Equipment	7-1
7.2. Limit.....	7-1
7.3. Test Procedure.....	7-1
7.4. Test Results	7-1
8. OUTPUT POWER TEST.....	8-1
8.1. Test Equipment	8-1
8.2. Limit (FCC Part 15C 15.247 b(3)).....	8-1
8.3. Test Procedure.....	8-1

8.4.	Test Results	8-2
9.	POWER SPECTRAL DENSITY TEST	9-6
9.1.	Test Equipment	9-6
9.2.	Limit.....	9-6
9.3.	Test Procedure.....	9-6
9.4.	Test Results	9-7
10.	ANTENNA REQUIREMENT	10-1
10.1.	STANDARD APPLICABLE	10-1
10.2.	ANTENNA CONNECTED CONSTRUCTION	10-1
11.	MPE ESTIMATION.....	11-2
11.1.	Limit for General Population/ Uncontrolled Exposures	11-2
11.2.	Estimation Result	11-2
12.	DEVIATION TO TEST SPECIFICATIONS.....	12-1
13.	PHOTOGRAPH OF TEST	13-1
13.1.	Photos of Power Line Conducted Emission Test	13-1
13.2.	Photos of Radiated Emission Test.....	13-2
14.	PHOTOGRAPH OF EUT	14-1



FCC ID: HEDSMCWPCI-N3

AUDIX Technology (Shenzhen) Co., Ltd.

TEST REPORT CERTIFICATION

Applicant : Accton Technology Corporation
Manufacturer : Accton Technology Corporation
EUT Description : EZ Connect™ N 11n Wireless PCI Adapter
FCC ID : HEDSMCWPCI-N3
(A) MODEL NO. : SMCWPCI-N3
(B) SERIAL NO. : N/A
(C) POWER SUPPLY : DC 3.3V From PC
(D) TEST VOLTAGE : DC 3.3V From PC Input AC 120V/60Hz

Tested for comply with:
FCC Rules and Regulations Part 15 Subpart C: 2008

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

Date of Test : Dec.15~16, 2010 Report of date: Dec.23,2010

Prepared by : Annie Wu Reviewer by : Jamy Yu
Annie Wu / Supervisor Jamy Yu / Supervisor

Approved & Authorized Signer : Ken Lu
Ken Lu / 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: 15.207 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	:	EZ Connect™ N 11n Wireless PCI Adapter
Model Number	:	SMCWPCI-N3
FCC ID	:	HEDSMCWPCI-N3
Operation Frequency	:	IEEE 802.11b: 2412MHz—2462MHz IEEE 802.11g: 2412MHz—2462MHz IEEE 802.11n HT20: 2412MHz—2462MHz IEEE 802.11n HT40: 2422MHz—2452MHz
Channel Number	:	IEEE 802.11b/g, IEEE 802.11n HT20: 11 Channels IEEE 802.11n HT40: 7Channels
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	:	MIMO 2X2 Dipole Antenna, 2dBi Gain
Applicant	:	Accton Technology Corporation No.1, Creation Rd. III, Science-bansed Industrial Park, Hsinchu, 30077, Taiwan, R.O.C
Manufacturer	:	Accton Technology Corporation No.1, Creation Rd. III, Science-bansed Industrial Park, Hsinchu, 30077, Taiwan, R.O.C
Date of Test	:	Dec.15~16, 2010
Date of Receipt	:	Dec.14, 2010
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 (Mbps)(see Note)	Channel	Frequency (MHz)
IEEE 802.11b	1	Low :CH1	2412
	1	Middle: CH6	2437
	1	High: CH11	2462
IEEE 802.11g	6	Low :CH1	2412
	6	Middle: CH6	2437
	6	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

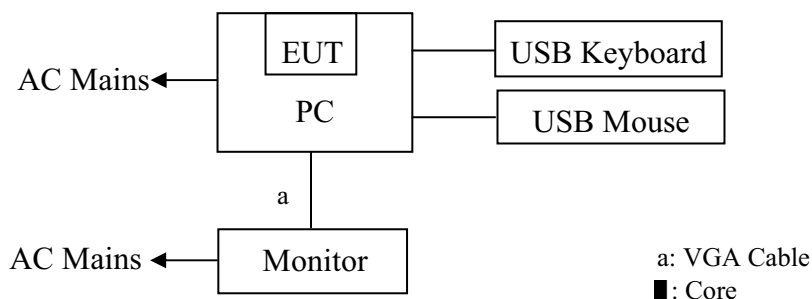
Note1: According exploratory test, EUT will have maximum output power in those data rate, so those data rate were used for all test.

Note2: This device use MIMO 2X2 antennas, for 802.11b/g mode, based exploratory test, when transmit with Chain 0 have worse emissions, so the final radiated emissions and band edge test for 802.11b/g mode were tested with chain 0 transmit mode. For 802.11n mode, all the radiated emissions and band edge test were performed with two antennas transmit synchronous.

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 Display Card: HD3450 (DVI+VGA+HDMI)				
2.	Monitor	ACS-EMC-LM05R	DELL	2407WFPb	CN-0YY528-4663 3-764-1TCS	☒ FCC DoC ☒ BSMI ID: R43002
		Power Cord: Unshielded, Detachable, 1.8m VGA Cable: Shielded, Detachable, 2.0m (with two cores) DVI Cable: Shielded, Detachable, 2.0m (with two cores)				
3.	USB Keyboard	ACS-EMC- K03R	DELL	SK-8115	CN-ODJ313-7161 6-711-04WJ	☒ 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				

2.4. Block diagram of connection between the EUT and simulators



(EUT: EZ Connect™ N 11n Wireless PCI Adapter)

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 : Mar.31, 2009 File on Federal
Communication Commission
Registration Number: 90454

3m & 10m Anechoic Chamber : Dec. 30, 2009 File on Federal
Communication Commission
Registration Number: 794232

EMC Lab. : Certificated by Industry Canada
Registration Number: IC 5183A-1
Jul. 03, 2009

: Accredited by DATech, German
Registration Number: DAT-P-091/99-01
Feb. 02, 2009

Accredited by NVLAP, USA
NVLAP Code: 200372-0
Apr. 01, 2010

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

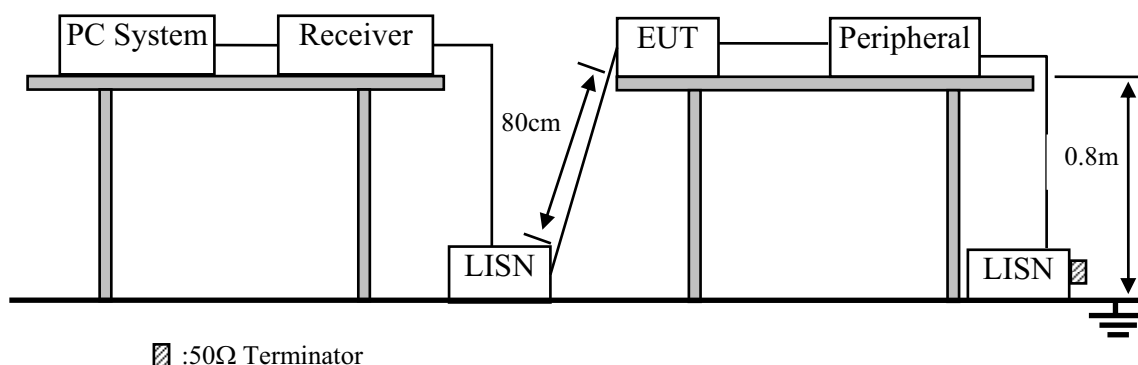
Test Item	Uncertainty
Uncertainty for Conduction emission test in No. 1 Conduction	3.64 dB (9kHz to 150kHz)
	3.22 dB(150kHz to 30MHz)
Uncertainty for Radiation Emission test in 3m chamber	4.20 dB (Polarize: V)
	4.66 dB (Polarize: H)
Uncertainty for Radiated Spurious Emission test in RF chamber	2.70 dB(Bilog antenna 30M~1000MHz)
	2.27 dB(Horn antenna 1000M~12750MHz)
Uncertainty for Conduction Spurious emission test	2.12 dB
Uncertainty for Output power test	0.97 dB
Uncertainty for Power density test	2.21 dB
Uncertainty for Frequency range test	1×10^{-9}
Uncertainty for Bandwidth test	1×10^{-9}
Uncertainty for DC power test	0.038 %
Uncertainty for test site temperature and humidity	0.3°C
	2%

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	Dec.18, 09	1 Year
2.	L.I.S.N.#1	Rohde & Schwarz	ESH2-Z5	834066/011	Mar.30, 10	1 Year
3.	Terminator	Hubersuhner	50Ω	No. 1	May.08, 10	1 Year
4.	RF Cable	Fujikura	3D-2W	LISN Cable 1#	May.08, 10	1 Year
5.	Coaxial Switch	Anritsu	MP59B	M55367	May.08, 10	1 Year
6.	Passive Probe	Rohde & Schwarz	ESH2-Z3	299.7810.52	May.08, 10	1 Year
7.	Pulse Limiter	Rohde & Schwarz	ESH3-Z2	100341	May.08, 10	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.EZ Connect™ N 11n Wireless PCI Adapter (EUT)

Model Number : SMCWPCI-N3

Serial Number : N/A

3.4.2.Support Equipment: As Tested Supporting System Details, in Section 2.3.

3.5.Operating Condition of EUT

3.5.1.Setup the EUT and simulator as shown as Section 2.4.

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

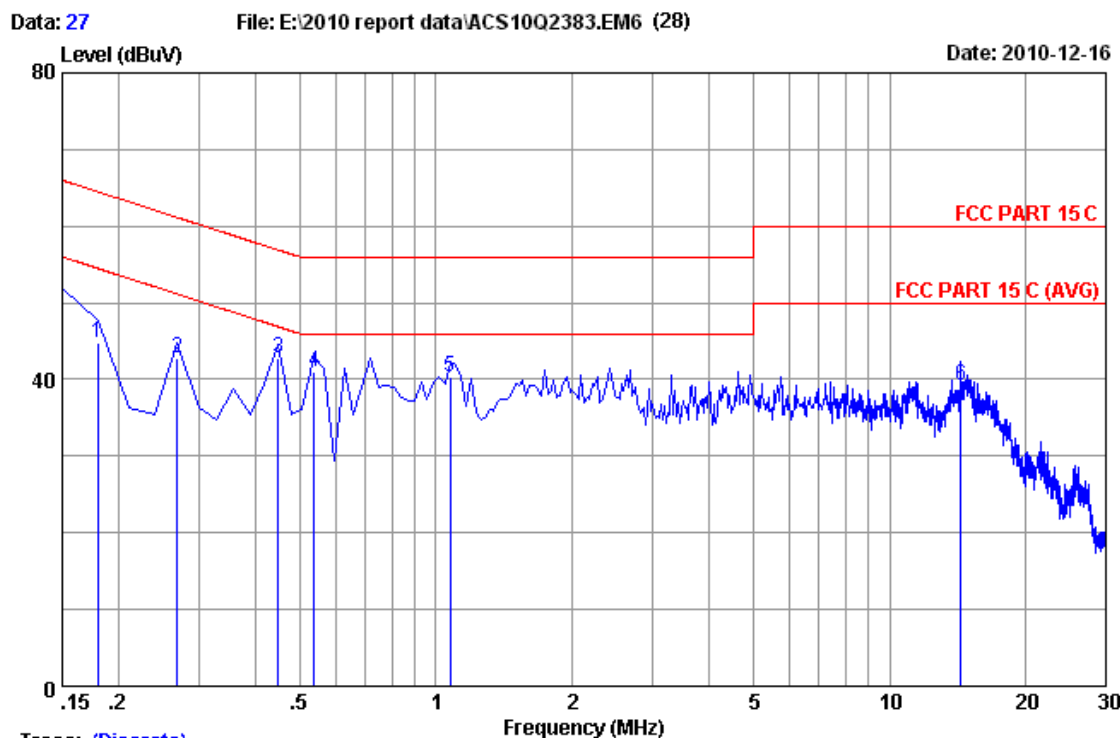
The EUT was placed on a non-metallic table, 80cm above the ground plane. The EUT Power Via PC connected to the power mains through a line impedance stabilization network (L.I.S.N. 1#). This provides a 50 ohm coupling impedance for the EUT (Please refer the block diagram of the test setup and photographs). 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 10kHz.

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.)

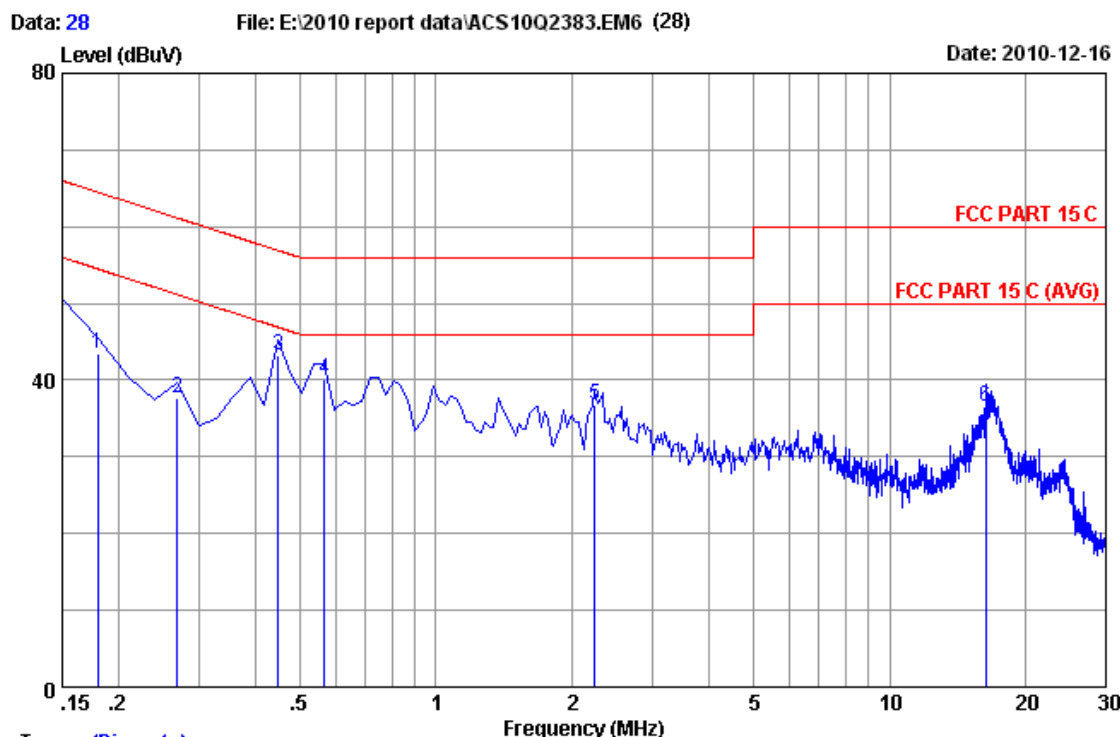


Trace: (Discrete)

Site no : Audix No.1 Conduction Data no : 27
 Dis./Ant. : ** 2009 KNW407 VA
 Limit : FCC PART 15 C
 Env./Ins. : Temp:23'C Humi:54% Engineer : Paul Tian
 EUT : EZ ConnectTM 11n Wireless PCI Adapter
 Power : DC 3.3V From PC input AC 120V/60Hz
 Test mode : Tx Mode
 M/N : SMCWPCI-N3

No	Freq (MHz)	LISN Factor (dB)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV)	Limits (dBuV)	Margin (dB)	Remark
1	0.17985	0.43	9.88	34.46	44.77	64.49	19.72	QP
2	0.26940	0.40	9.88	32.57	42.85	61.14	18.29	QP
3	0.44850	0.34	9.89	32.45	42.68	56.90	14.22	QP
4	0.53805	0.34	9.89	30.79	41.02	56.00	14.98	QP
5	1.075	0.33	9.89	30.11	40.33	56.00	15.67	QP
6	14.388	0.48	9.97	28.81	39.26	60.00	20.74	QP

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



Trace: (Discrete)

Site no : Audix No.1 Conduction Data no : 28
 Dis./Ant. : ** 2009 KNW407 VB
 Limit : FCC PART 15 C
 Env./Ins. : Temp:23'C Humi:54% Engineer : Paul Tian
 EUT : EZ ConnectTM 11n Wireless PCI Adapter
 Power : DC 3.3V From PC input AC 120V/60Hz
 Test mode : Tx Mode
 M/N : SMCWPCI-N3

No	Freq (MHz)	LISN Factor (dB)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV)	Limits (dBuV)	Margin (dB)	Remark
1	0.17985	0.45	9.88	33.19	43.52	64.49	20.97	QP
2	0.26940	0.42	9.88	27.31	37.61	61.14	23.53	QP
3	0.44850	0.35	9.89	33.01	43.25	56.90	13.65	QP
4	0.56790	0.35	9.89	29.86	40.10	56.00	15.90	QP
5	2.240	0.36	9.90	26.40	36.66	56.00	19.34	QP
6	16.269	0.50	9.98	26.06	36.54	60.00	23.46	QP

Remarks: 1.Emission Level=LISN Factor+Cable Loss+Reading.
 2.If the average limit is met when using 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

Frequency rang: 30~1000MHz

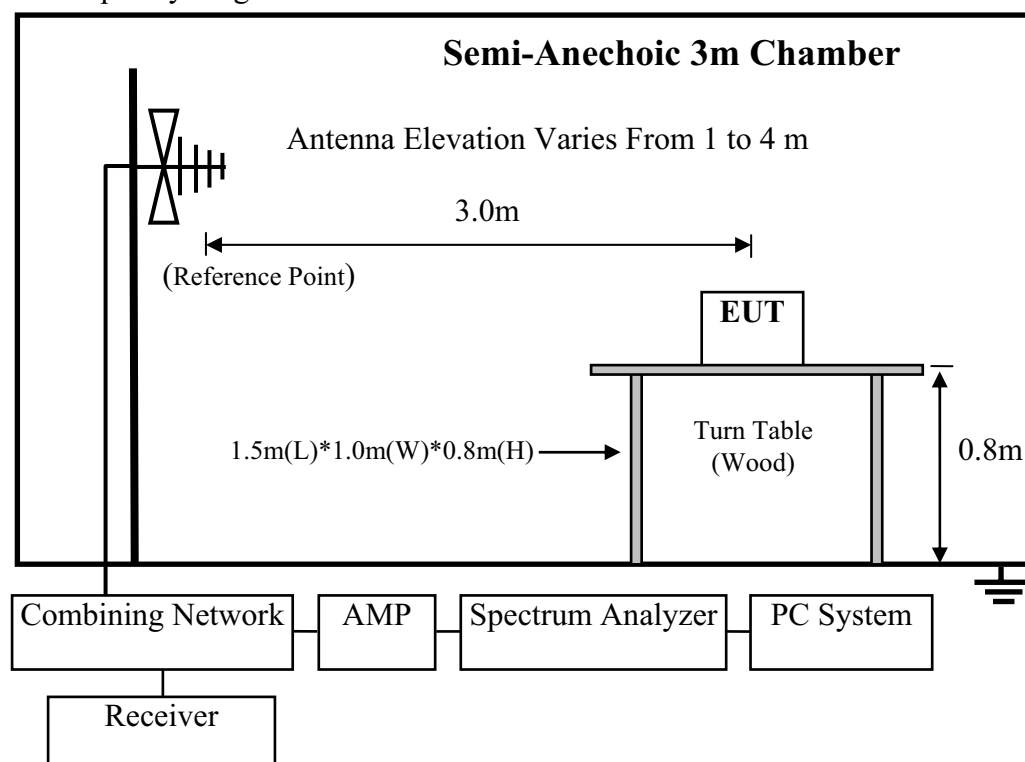
Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
1	3#Chamber	AUDIX	N/A	N/A	Dec.05,09	1 Year
2	EMI Spectrum	Agilent	E4407B	MY41440292	May.08, 10	1 Year
3	Test Receiver	Rohde & Schwarz	ESVS10	834468/011	May.08, 10	1 Year
4	Amplifier	HP	8447D	2648A04738	May.08, 10	1 Year
5	Bilog Antenna	Schaffner	CBL6111C	2598	Dec.14, 09	1 Year
6	RF Cable	MIYAZAKI	8D-FB	3# Chamber No.1	May.08, 10	1 Year
7	Coaxial Switch	Anritsu	MP59B	M73989	May.08, 10	1 Year

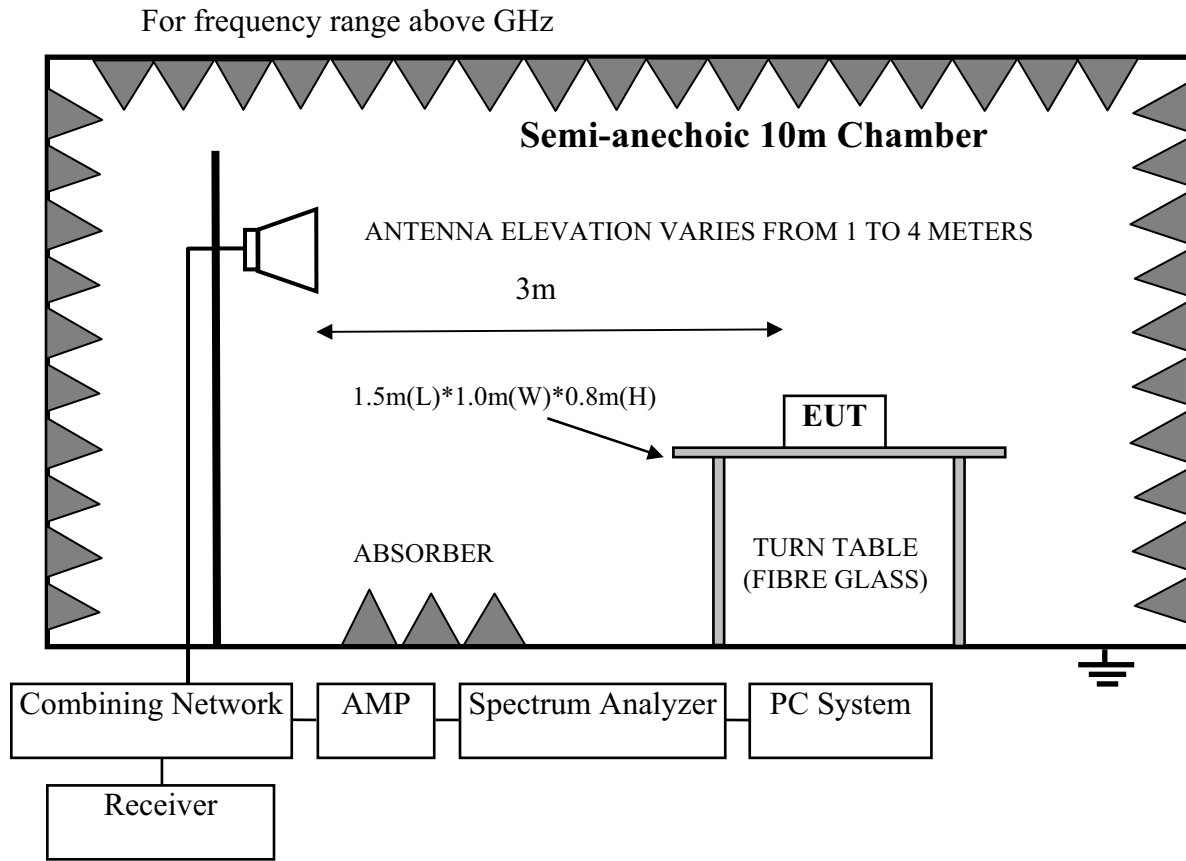
Frequency rang: above 1000MHz

Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
1	Spectrum Analyzer	Agilent	E4446A	US44300459	May.08, 10	1 Year
2	Horn Antenna	EMCO	3115	9607-4877	Nov.25, 09	1.5 Year
3	Horn Antenna	EMCO	3116	00060089	Nov.25, 09	1.5 Year
4	Amplifier	Agilent	8449B	3008A00863	May.08, 10	1 Year
5	RF Cable	Hubersuhner	SUCOFLEX102	28620/2	May.08, 10	1 Year
6	RF Cable	Hubersuhner	SUCOFLEX102	29091/2	May.08, 10	1 Year

4.2. Block Diagram of Test Setup

For frequency range 30MHz-1000MHz





4.3. Radiated Emission Limit

4.3.1.15.209 limits

FREQUENCY MHz	DISTANCE Meters	FIELD STRENGTHS LIMIT	
		$\mu\text{V/m}$	$\text{dB}(\mu\text{V})/\text{m}$
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 $\text{dB}(\mu\text{V})/\text{m}$ (Peak) 54.0 $\text{dB}(\mu\text{V})/\text{m}$ (Average)	

- Remark :
- (1) Emission level $\text{dB}\mu\text{V} = 20 \log \text{Emission level } \mu\text{V/m}$
 - (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 3.5.

4.5.Operating Condition of EUT

Same as Conducted Emission test that is listed in Section 3.6. 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 10th 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.

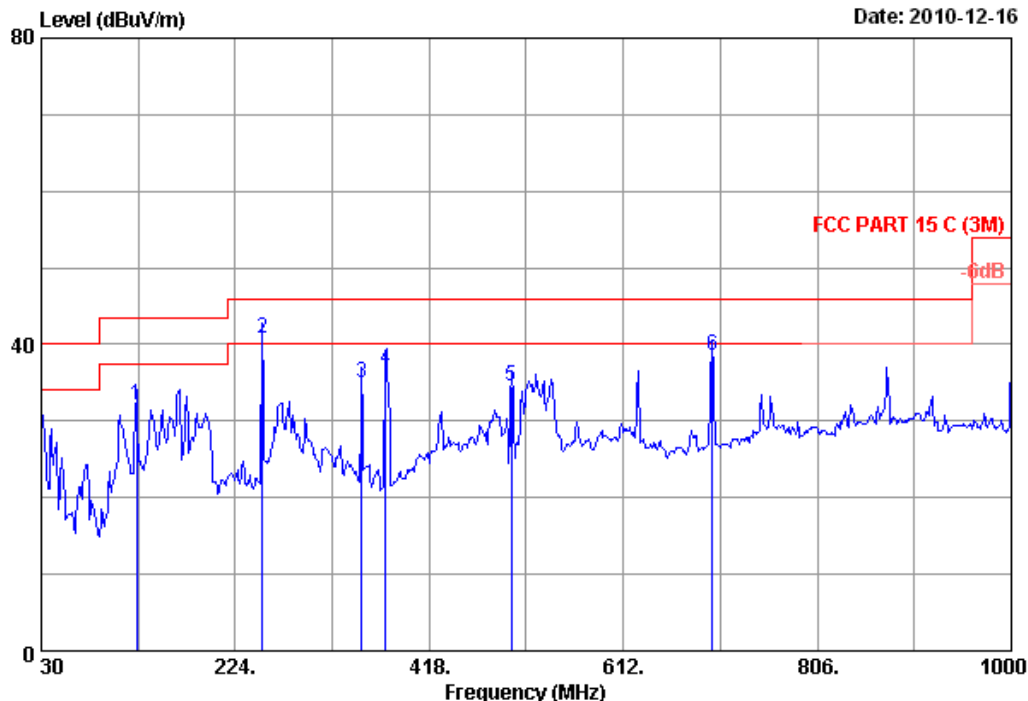
Note: For emissions above 1GHz, if peak level comply with average limit, then the average level is deemed to comply with average limit.

Frequency: 30MHz~1GHz

Data: 2

File: E:\2010 report data\ACS10Q2383.EM6 (4)

Date: 2010-12-16



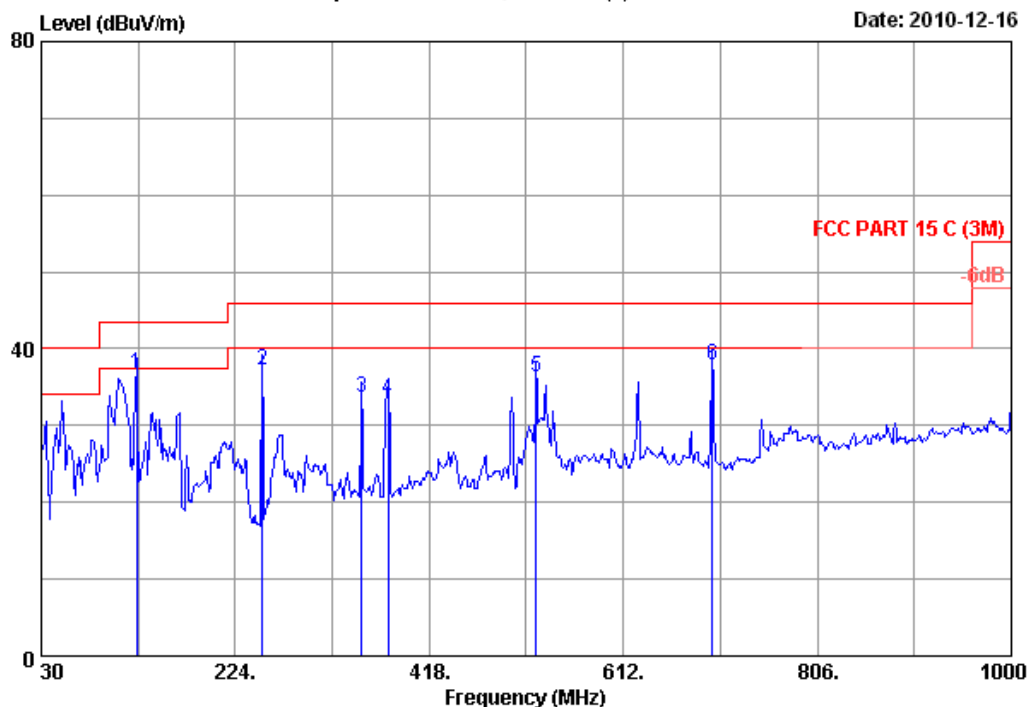
Site no. : 3m Chamber Data no. : 2
 Dis. / Ant. : 3m CBL6111C Ant. pol. : HORIZONTAL
 Limit : FCC PART 15 C (3M)
 Env. / Ins. : 24°C/56% Engineer : Paul Tian
 EUT : EZ Connect™ N 11n Wireless PCI Adapter
 Power : DC 3.3V From PC input AC 120V/60Hz
 Test mode : Tx Mode
 M/N : SMCWPCI-N3

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	125.060	11.97	1.00	19.14	32.11	43.50	11.39	QP
2	251.160	12.75	1.64	26.29	40.68	46.00	5.32	QP
3	350.100	15.08	1.83	17.97	34.88	46.00	11.12	QP
4	374.350	15.52	1.88	19.47	36.87	46.00	9.13	QP
5	500.450	18.04	2.25	14.34	34.63	46.00	11.37	QP
6	701.240	20.58	2.80	15.21	38.59	46.00	7.41	QP

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

Data: 1 File: E:\2010 report data\ACS10Q2383.EM6 (4)

Date: 2010-12-16



Site no. : 3m Chamber Data no. : 1
 Dis. / Ant. : 3m CBL6111C Ant. pol. : VERTICAL
 Limit : FCC PART 15 C (3M)
 Env. / Ins. : 24°C/56% Engineer : Paul Tian
 EUT : EZ Connect™ N 11n Wireless PCI Adapter
 Power : DC 3.3V From PC input AC 120V/60Hz
 Test mode : Tx Mode
 M/N : SMCWPCI-N3

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	125.060	11.97	1.00	23.79	36.76	43.50	6.74	QP
2	251.160	12.75	1.64	22.79	37.18	46.00	8.82	QP
3	350.100	15.08	1.83	16.69	33.60	46.00	12.40	QP
4	377.260	15.57	1.88	16.03	33.48	46.00	12.52	QP
5	524.700	18.26	2.31	15.64	36.21	46.00	9.79	QP
6	701.240	20.58	2.80	14.46	37.84	46.00	8.16	QP

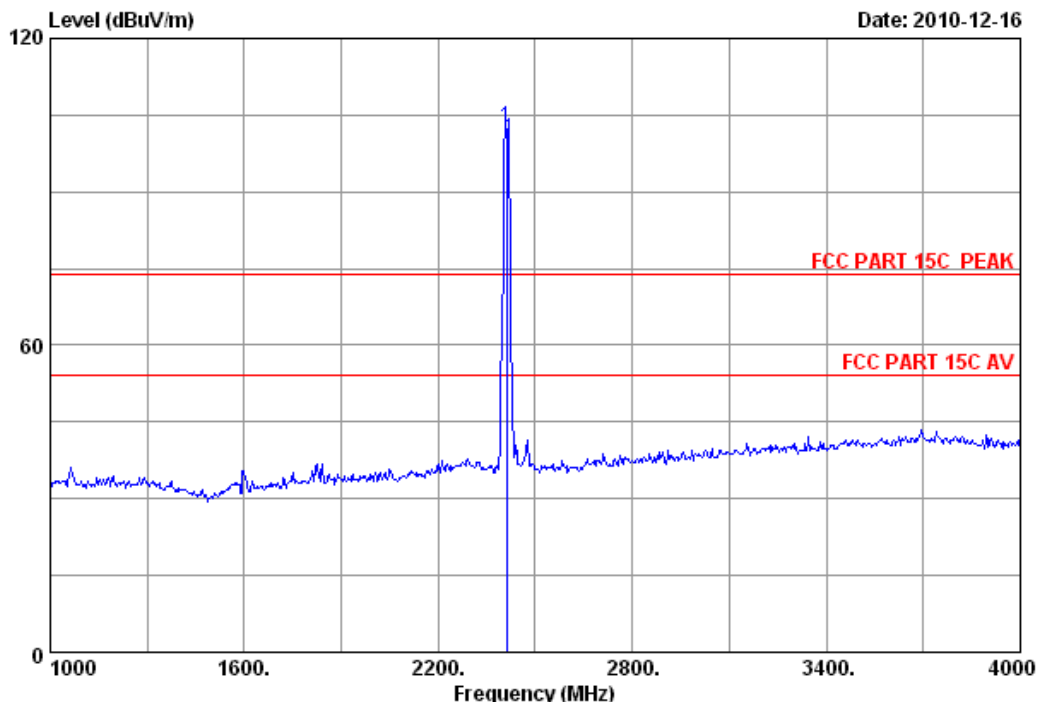
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.

Frequency: 1GHz~18GHz

Data: 1

File: E:\2010 report data\ACS10Q2383.EM6 (108)

Date: 2010-12-16

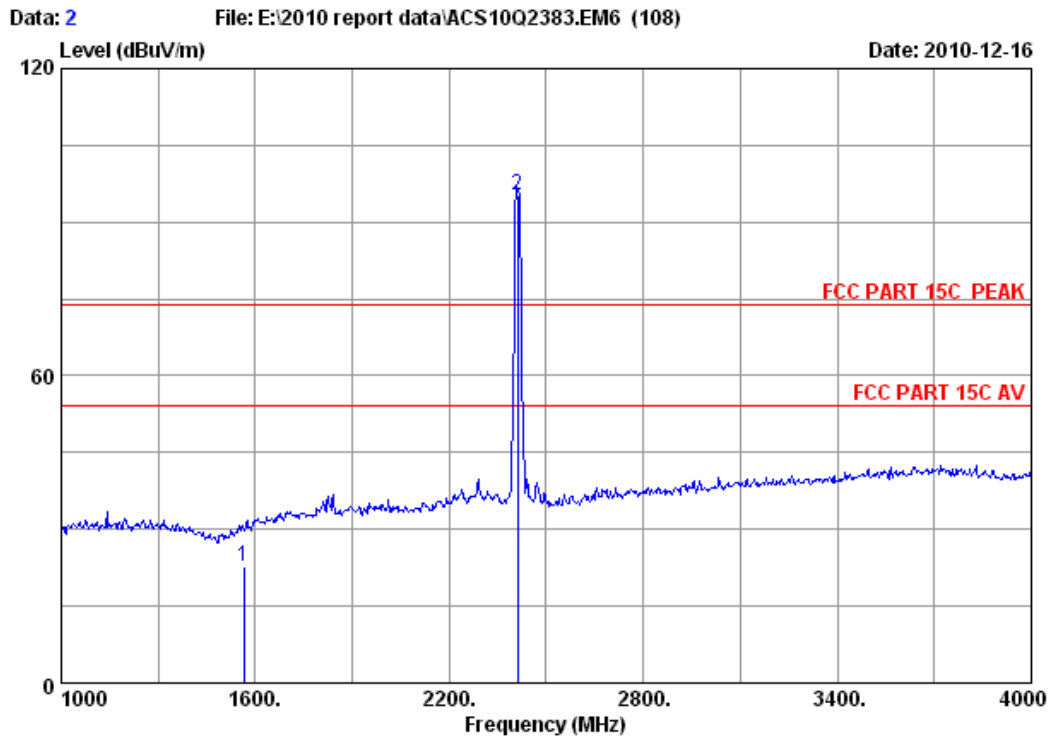


Site no. : RF Chamber Data no. : 1
 Dis. / Ant. : 3m 3115(0911) Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 23°C/54% Engineer : Paul Tian
 EUT : EZ Connect™ N 11n Wireless PCI Adapter
 Power : DC 3.3V From PC input AC 120V/60Hz
 Test mode : IEEE802.11b CH1 2412MHz
 M/N : SMCWPCI-N3

	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dBuV)	Emission			Remark
						Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	
1	2412.000	29.45	8.72	35.95	100.38	102.60	74.00	-28.60	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.

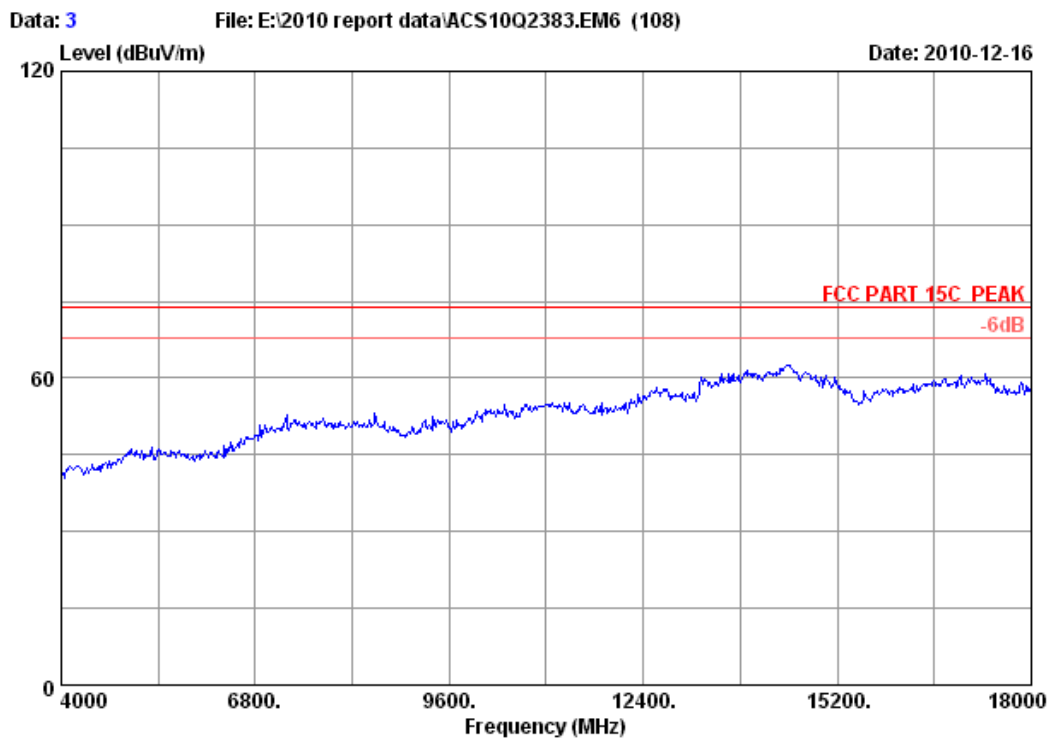


Site no. : RF Chamber Data no. : 2
 Dis. / Ant. : 3m 3115(0911) Ant. pol. : VERTICAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 23°C/54% Engineer : Paul Tian
 EUT : EZ Connect™ N 11n Wireless PCI Adapter
 Power : DC 3.3V From PC input AC 120V/60Hz
 Test mode : IEEE802.11b CH1 2412MHz
 M/N : SMCWPCI-N3

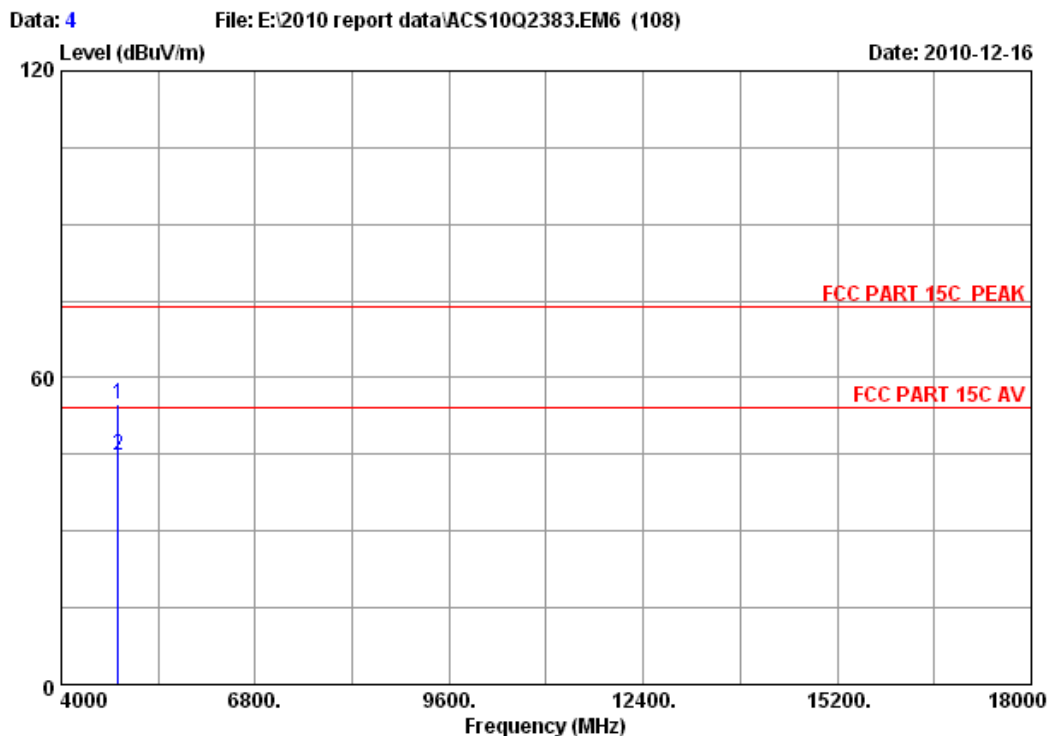
	Ant.	Cable	Amp.		Emission				
	Freq.	Factor	loss	Factor	Reading	Level	Limits	Margin	Remark
	(MHz)	(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)	
1	1564.000	26.77	6.86	36.42	25.52	22.73	74.00	51.27	Peak
2	2412.000	29.45	8.72	35.95	93.18	95.40	74.00	-21.40	Peak

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.	: RF Chamber	Data no. :	3
Dis. / Ant.	: 3m 3115(0911)	Ant. pol. :	VERTICAL
Limit	: FCC PART 15C PEAK		
Env. / Ins.	: 23°C/54%	Engineer :	Paul Tian
EUT	: EZ Connect™ N 11n Wireless PCI Adapter		
Power	: DC 3.3V From PC input AC 120V/60Hz		
Test mode	: IEEE802.11b CH1 2412MHz		
M/N	: SMCWPCI-N3		

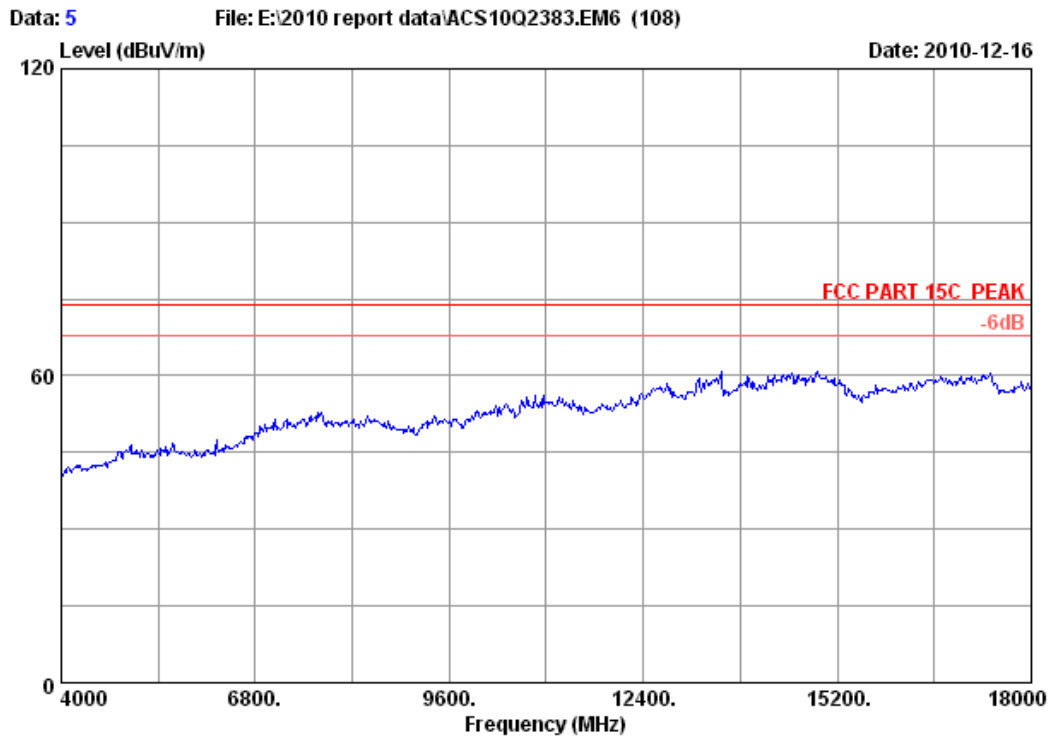


Site no. : RF Chamber Data no. : 4
 Dis. / Ant. : 3m 3115(0911) Ant. pol. : VERTICAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 23°C/54% Engineer : Paul Tian
 EUT : EZ Connect™ N 11n Wireless PCI Adapter
 Power : DC 3.3V From PC input AC 120V/60Hz
 Test mode : IEEE802.11b CH1 2412MHz
 M/N : SMCWPCI-N3

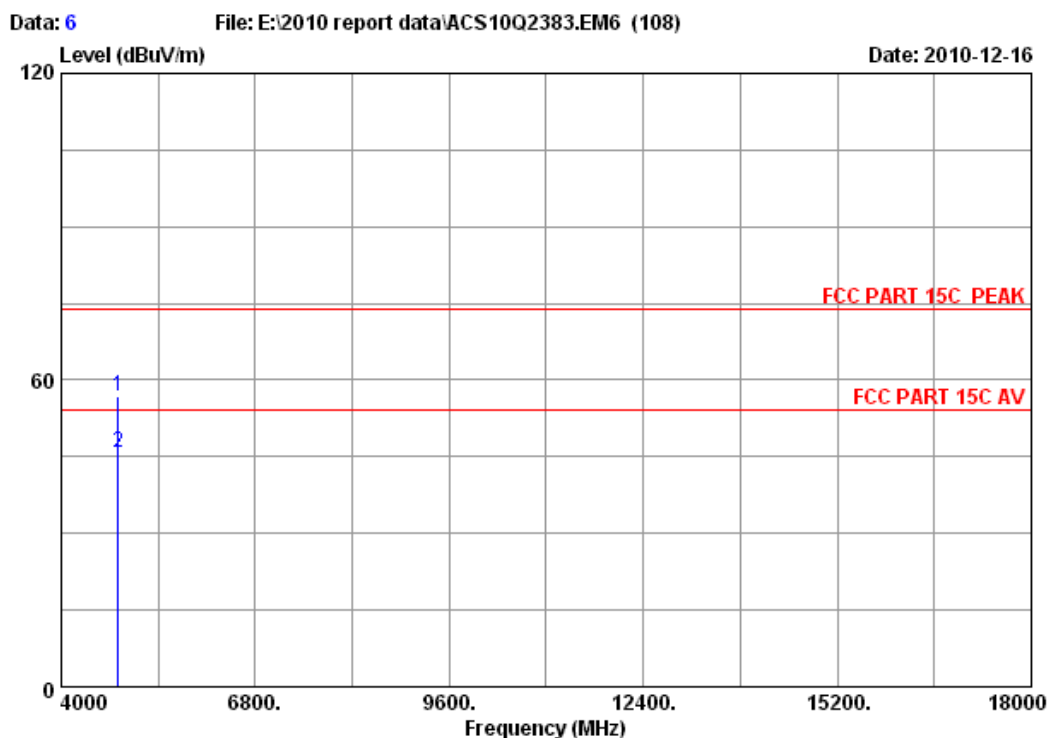
		Ant.	Cable	Amp.		Emission			
	Freq.	Factor	loss	Factor	Reading	Level	Limits	Margin	Remark
	(MHz)	(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)	
1	4824.000	34.32	12.38	35.25	43.28	54.73	74.00	19.27	Peak
2	4824.000	34.32	12.38	35.25	33.28	44.73	54.00	9.27	Average

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.	: RF Chamber	Data no. :	5
Dis. / Ant.	: 3m 3115(0911)	Ant. pol. :	HORIZONTAL
Limit	: FCC PART 15C PEAK		
Env. / Ins.	: 23°C/54%	Engineer :	Paul Tian
EUT	: EZ Connect™ N 11n Wireless PCI Adapter		
Power	: DC 3.3V From PC input AC 120V/60Hz		
Test mode	: IEEE802.11b CH1 2412MHz		
M/N	: SMCWPCI-N3		

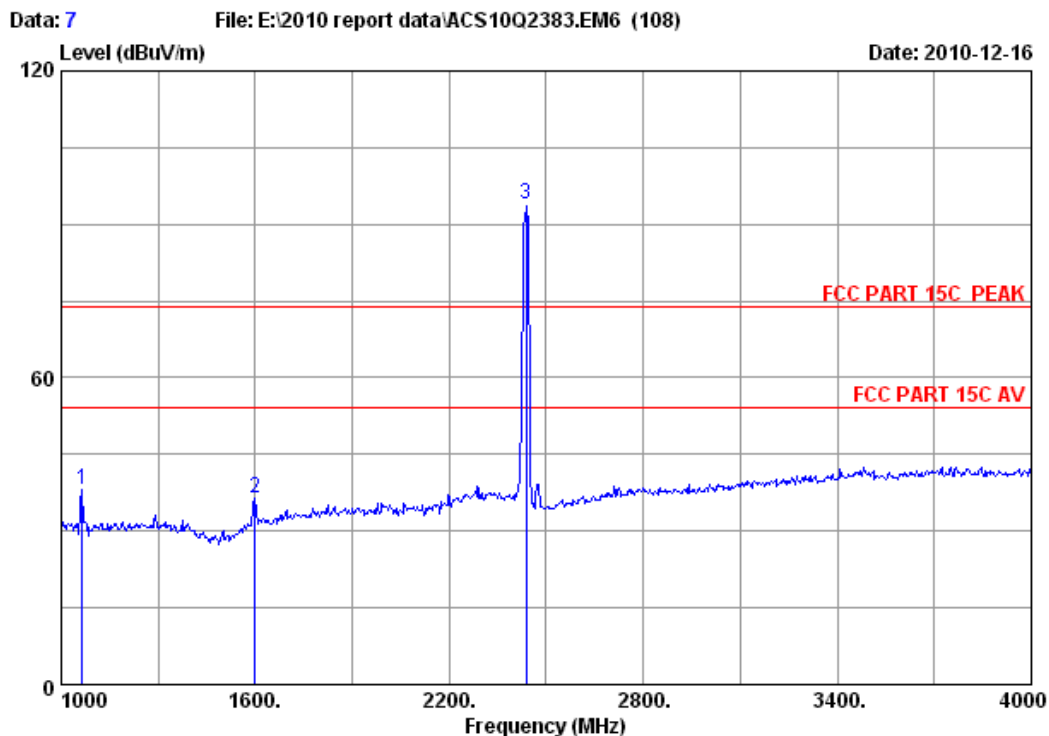


Site no. : RF Chamber Data no. : 6
 Dis. / Ant. : 3m 3115(0911) Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 23°C/54% Engineer : Paul Tian
 EUT : EZ Connect™ N 11n Wireless PCI Adapter
 Power : DC 3.3V From PC input AC 120V/60Hz
 Test mode : IEEE802.11b CH1 2412MHz
 M/N : SMCWPCI-N3

	Ant.	Cable	Amp.		Emission				
Freq.	Factor	loss	Factor	Reading	Level	Limits	Margin	Remark	
(MHz)	(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)		
1 4824.000	34.32	12.38	35.25	45.38	56.83	74.00	17.17	Peak	
2 4824.000	34.32	12.38	35.25	34.34	45.79	54.00	8.21	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.

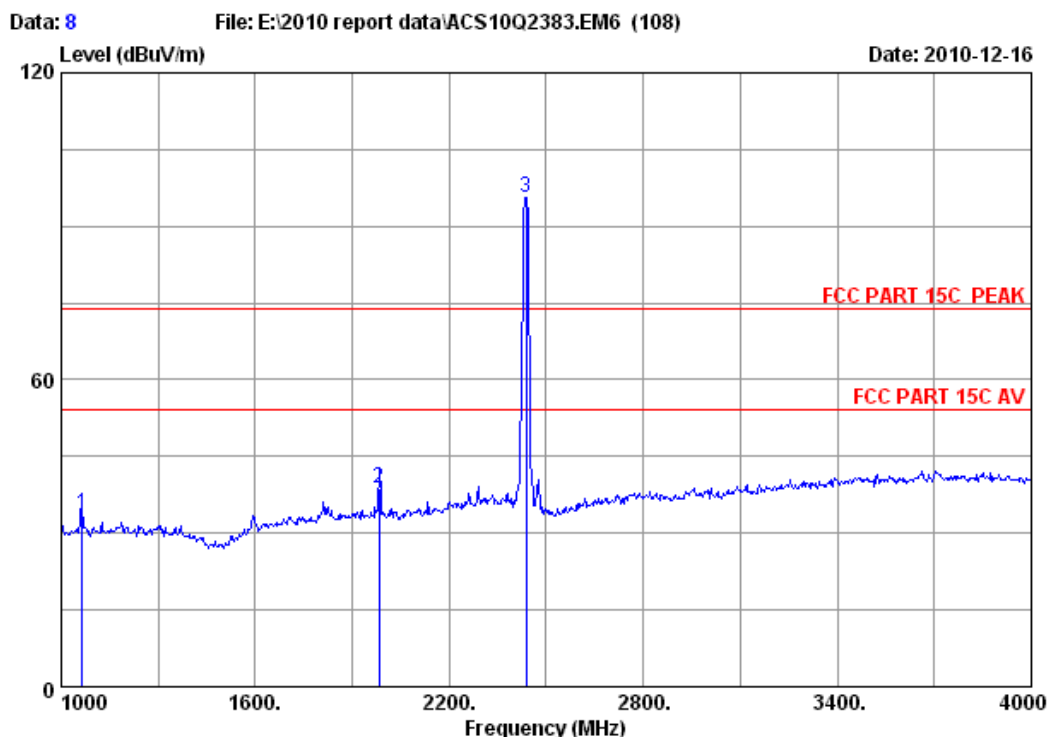


Site no. : RF Chamber Data no. : 7
 Dis. / Ant. : 3m 3115(0911) Ant. pol. : VERTICAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 23°C/54% Engineer : Paul Tian
 EUT : EZ Connect™ N 11n Wireless PCI Adapter
 Power : DC 3.3V From PC input AC 120V/60Hz
 Test mode : IEEE802.11b CH6 2437MHz
 M/N : SMCWPCI-N3

	Ant.	Cable	Amp.		Emission				
Freq.	Factor	loss	Factor	Reading	Level	Limits	Margin	Remark	
(MHz)	(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)		
1 1066.000	25.54	5.60	37.26	44.31	38.19	74.00	35.81	Peak	
2 1600.000	26.96	6.98	36.43	39.03	36.54	74.00	37.46	Peak	
3 2437.000	29.47	8.77	36.06	91.63	93.81	74.00	-19.81	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.

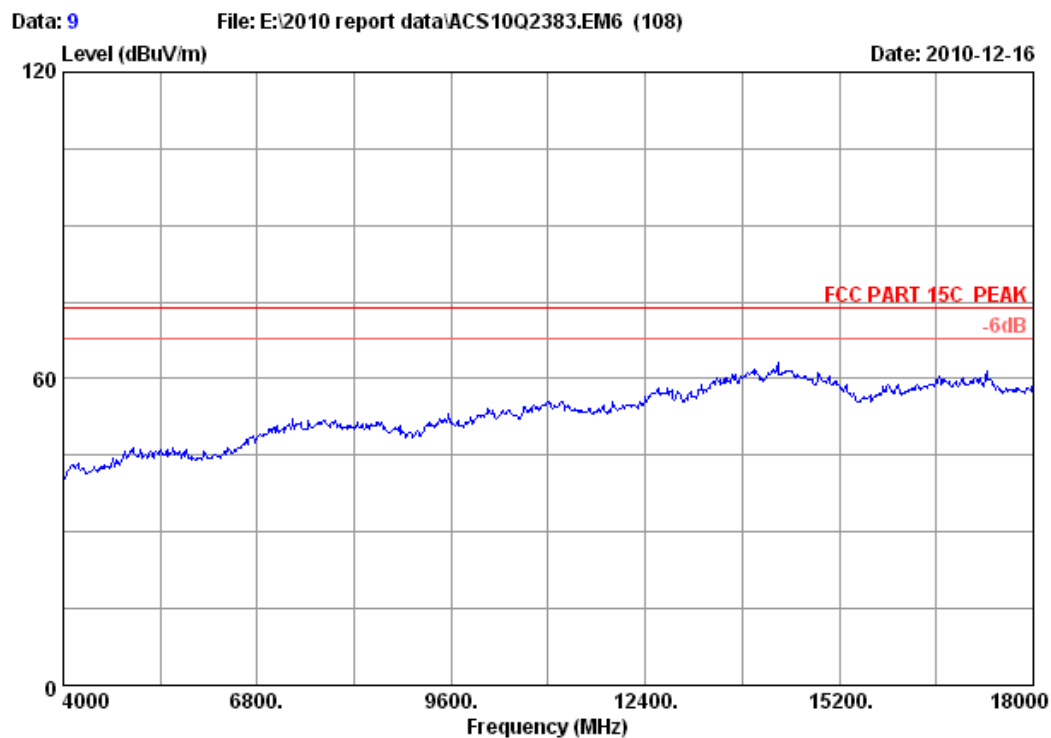


Site no. : RF Chamber Data no. : 8
 Dis. / Ant. : 3m 3115(0911) Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 23°C/54% Engineer : Paul Tian
 EUT : EZ Connect™ N 11n Wireless PCI Adapter
 Power : DC 3.3V From PC input AC 120V/60Hz
 Test mode : IEEE802.11b CH6 2437MHz
 M/N : SMCWPCI-N3

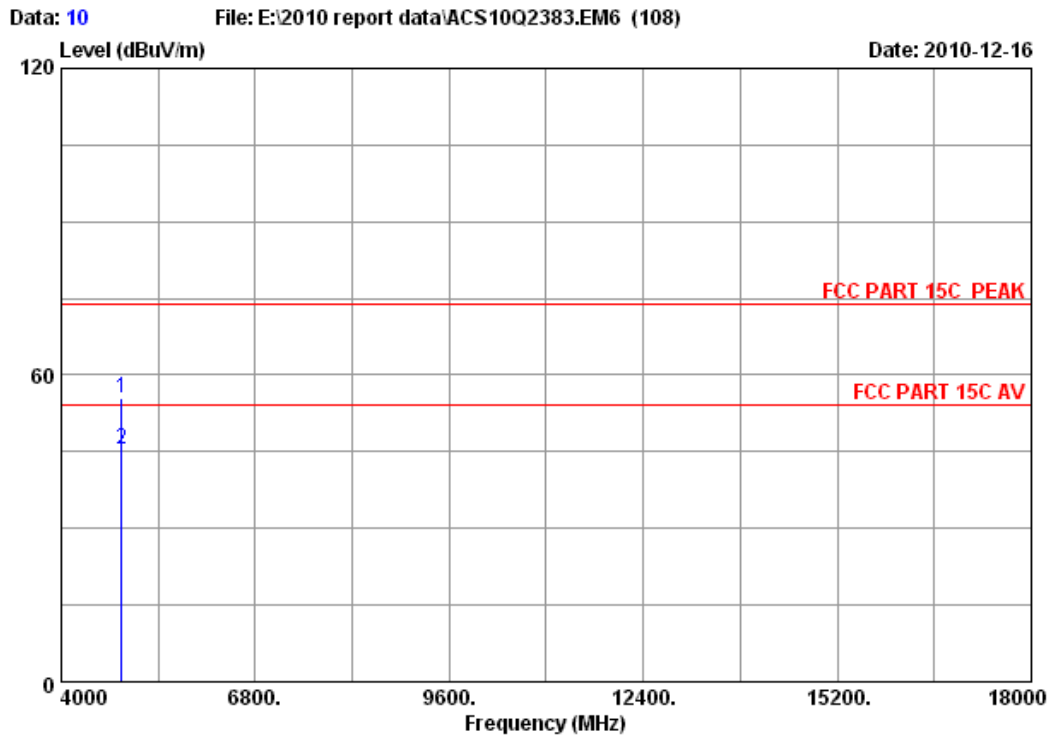
	Ant.	Cable	Amp.		Emission				
Freq.	Factor	loss	Factor	Reading	Level	Limits	Margin	Remark	
(MHz)	(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)		
1	1066.000	25.54	5.60	37.26	39.86	33.74	74.00	40.26	Peak
2	1984.000	29.11	7.87	36.06	37.86	38.78	74.00	35.22	Peak
3	2437.000	29.47	8.77	36.06	93.40	95.58	74.00	-21.58	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.	: RF Chamber	Data no. :	9
Dis. / Ant.	: 3m 3115(0911)	Ant. pol. :	HORIZONTAL
Limit	: FCC PART 15C PEAK		
Env. / Ins.	: 23°C/54%	Engineer :	Paul Tian
EUT	: EZ Connect™ N 11n Wireless PCI Adapter		
Power	: DC 3.3V From PC input AC 120V/60Hz		
Test mode	: IEEE802.11b CH6 2437MHz		
M/N	: SMCWPCI-N3		

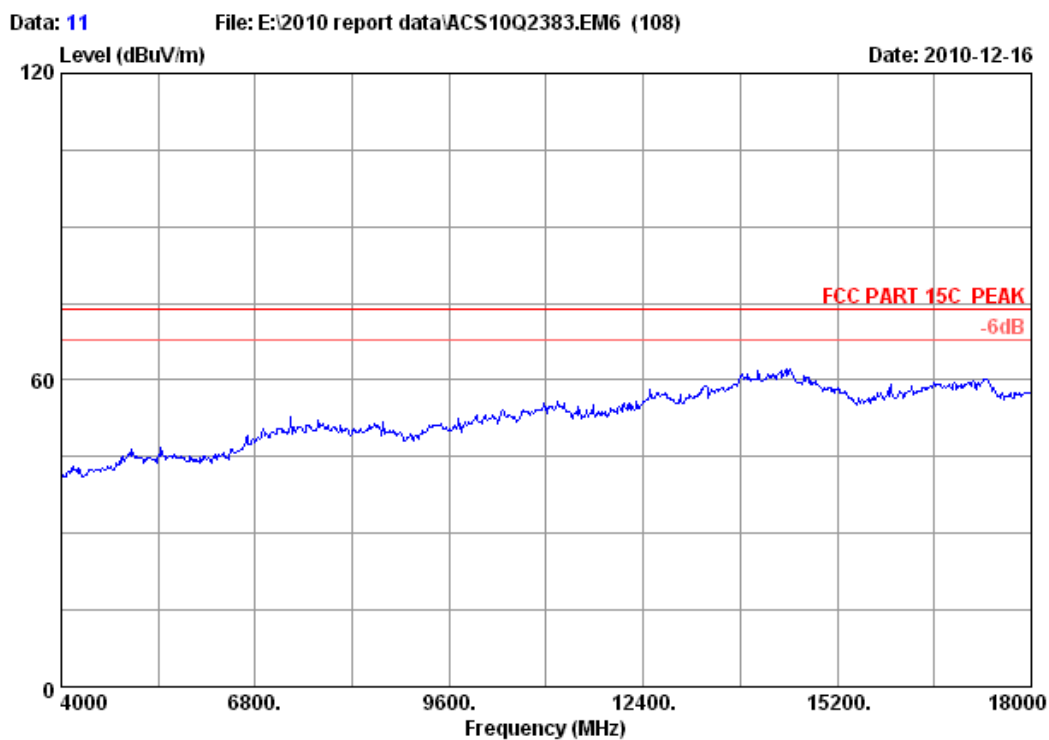


Site no. : RF Chamber Data no. : 10
 Dis. / Ant. : 3m 3115(0911) Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 23°C/54% Engineer : Paul Tian
 EUT : EZ Connect™ N 11n Wireless PCI Adapter
 Power : DC 3.3V From PC input AC 120V/60Hz
 Test mode : IEEE802.11b CH6 2437MHz
 M/N : SMCWPCI-N3

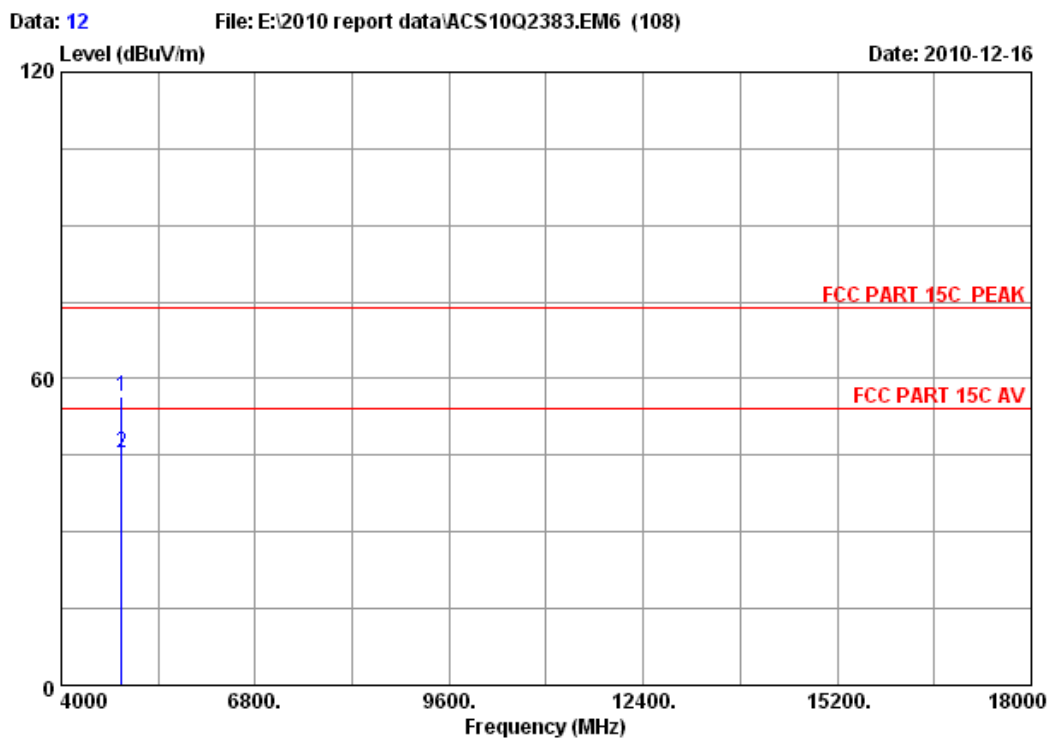
	Ant.	Cable	Amp.		Emission				
Freq.	Factor	loss	Factor	Reading	Level	Limits	Margin	Remark	
(MHz)	(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)		
1 4874.000	34.41	12.44	35.36	44.16	55.65	74.00	18.35	Peak	
2 4874.000	34.41	12.44	35.36	34.07	45.56	54.00	8.44	Average	

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.	: RF Chamber	Data no. :	11
Dis. / Ant.	: 3m 3115(0911)	Ant. pol. :	VERTICAL
Limit	: FCC PART 15C PEAK		
Env. / Ins.	: 23°C/54%	Engineer :	Paul Tian
EUT	: EZ Connect™ N 11n Wireless PCI Adapter		
Power	: DC 3.3V From PC input AC 120V/60Hz		
Test mode	: IEEE802.11b CH6 2437MHz		
M/N	: SMCWPCI-N3		

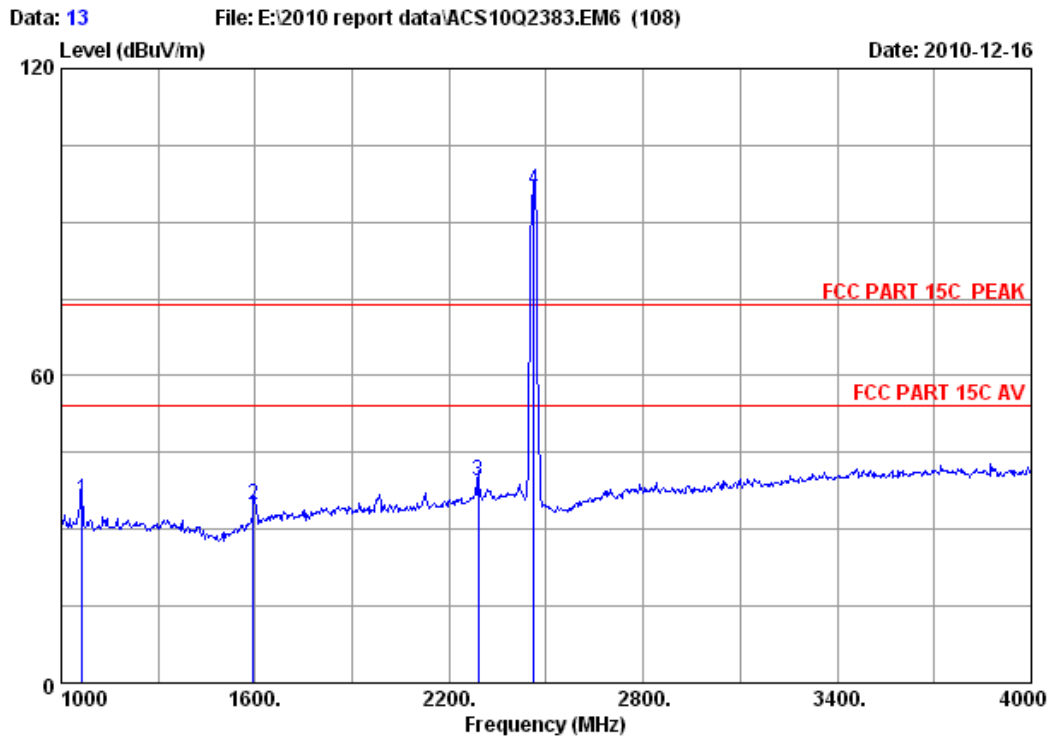


Site no. : RF Chamber Data no. : 12
 Dis. / Ant. : 3m 3115(0911) Ant. pol. : VERTICAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 23°C/54% Engineer : Paul Tian
 EUT : EZ Connect™ N 11n Wireless PCI Adapter
 Power : DC 3.3V From PC input AC 120V/60Hz
 Test mode : IEEE802.11b CH6 2437MHz
 M/N : SMCWPCI-N3

	Ant.	Cable	Amp.		Emission				
	Freq.	Factor	loss	Factor	Reading	Level	Limits	Margin	Remark
	(MHz)	(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)	
1	4874.000	34.41	12.44	35.36	44.92	56.41	74.00	17.59	Peak
2	4874.000	34.41	12.44	35.36	33.86	45.35	54.00	8.65	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.

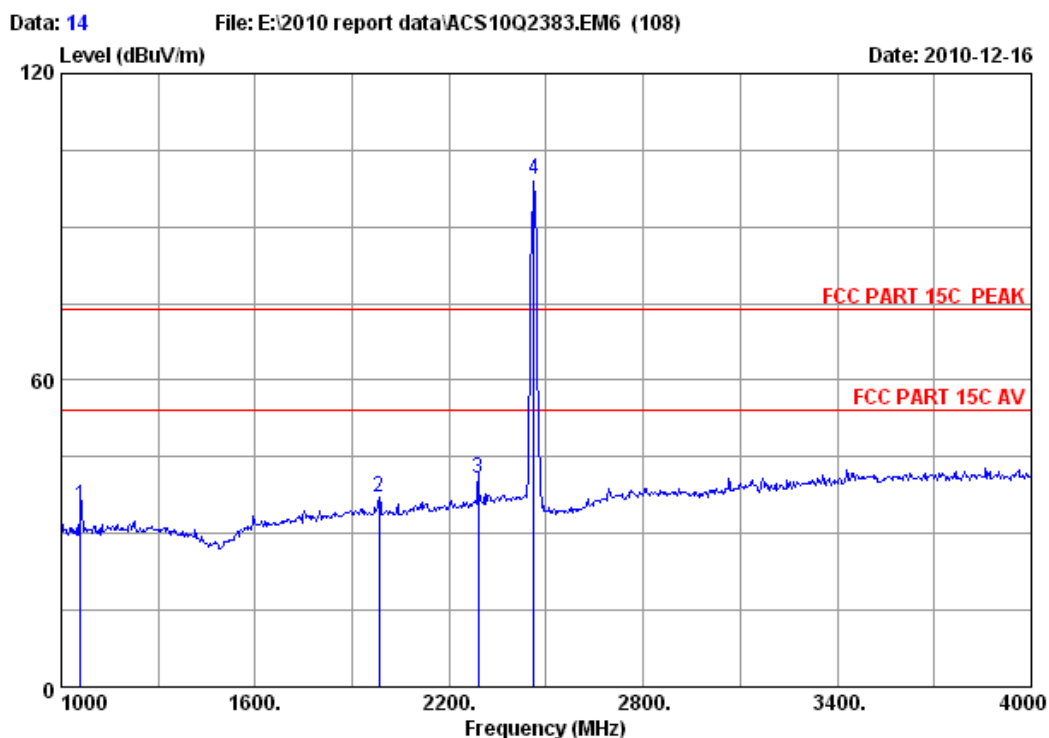


Site no. : RF Chamber Data no. : 13
 Dis. / Ant. : 3m 3115(0911) Ant. pol. : VERTICAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 23°C/54% Engineer : Paul Tian
 EUT : EZ Connect™ N 11n Wireless PCI Adapter
 Power : DC 3.3V From PC input AC 120V/60Hz
 Test mode : IEEE802.11b CH11 2462MHz
 M/N : SMCWPCI-N3

	Ant.	Cable	Amp.		Emission				
	Freq.	Factor	loss	Factor	Reading	Level	Limits	Margin	Remark
	(MHz)	(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)	
1	1066.000	25.54	5.60	37.26	42.05	35.93	74.00	38.07	Peak
2	1594.000	26.96	6.92	36.43	37.39	34.84	74.00	39.16	Peak
3	2290.000	29.38	8.47	35.92	37.46	39.39	74.00	34.61	Peak
4	2462.000	29.48	8.82	36.02	93.86	96.14	74.00	-22.14	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.

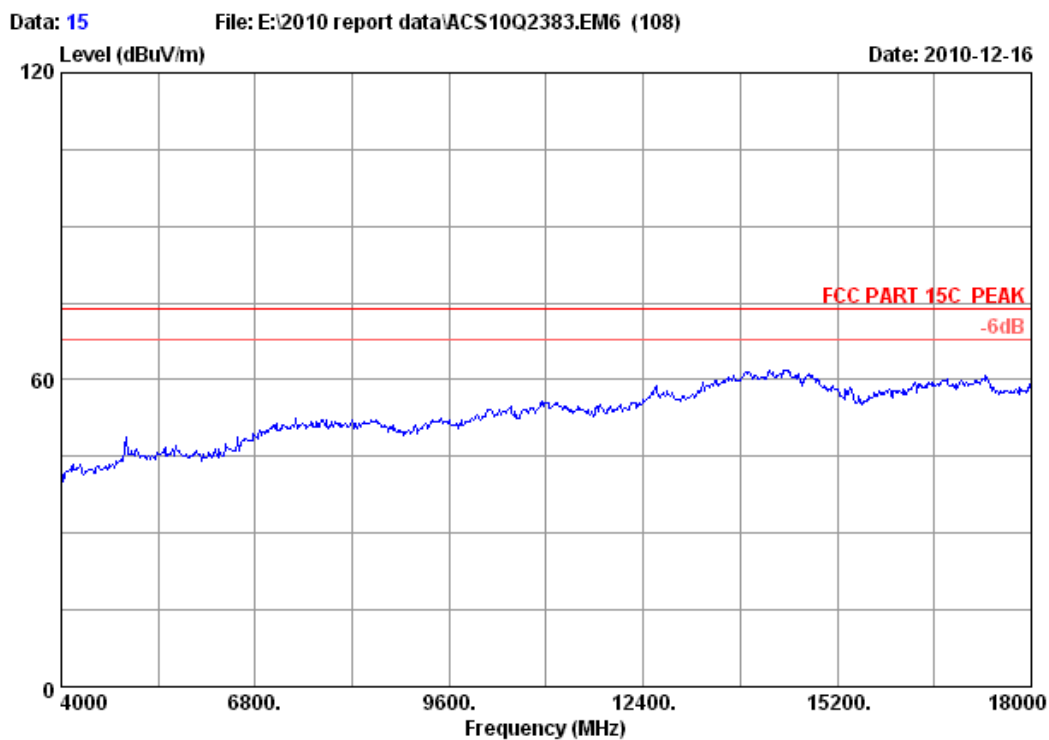


Site no. : RF Chamber Data no. : 14
 Dis. / Ant. : 3m 3115(0911) Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 23°C/54% Engineer : Paul Tian
 EUT : EZ Connect™ N 11n Wireless PCI Adapter
 Power : DC 3.3V From PC input AC 120V/60Hz
 Test mode : IEEE802.11b CH11 2462MHz
 M/N : SMCWPCI-N3

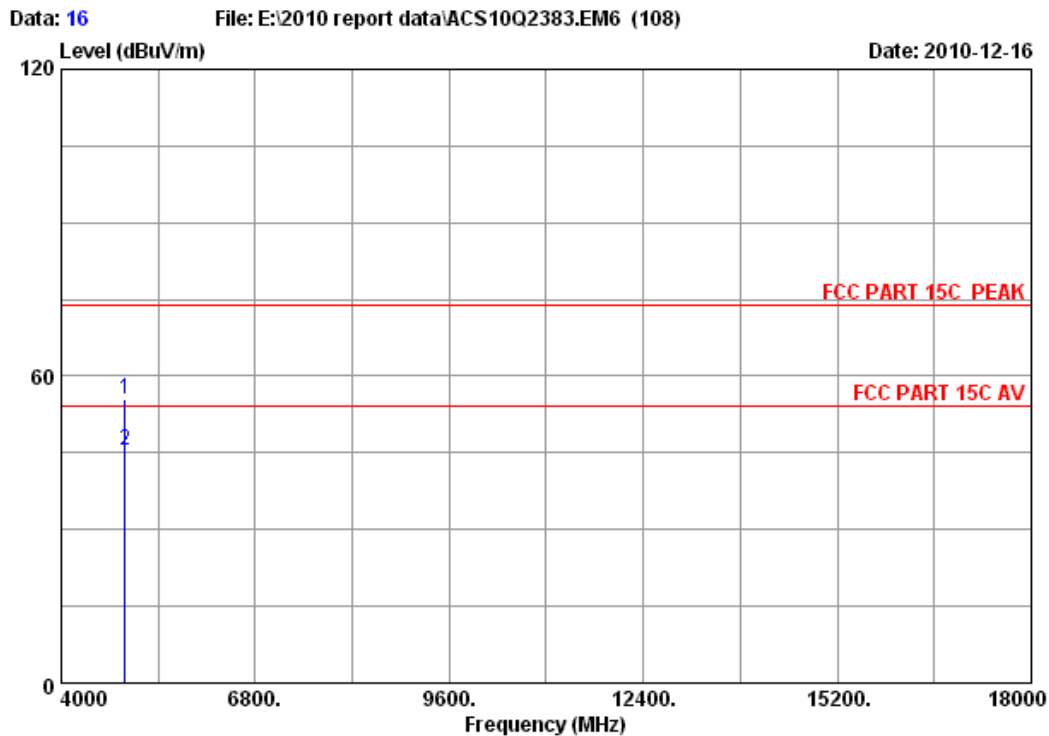
	Ant.	Cable	Amp.		Emission				
Freq.	Factor	loss	Factor	Reading	Level	Limits	Margin	Remark	
(MHz)	(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)		
1	1060.000	25.54	5.60	37.26	41.71	35.59	74.00	38.41	Peak
2	1984.000	29.11	7.87	36.06	36.03	36.95	74.00	37.05	Peak
3	2290.000	29.38	8.47	35.92	38.93	40.86	74.00	33.14	Peak
4	2462.000	29.48	8.82	36.02	97.06	99.34	74.00	-25.34	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.	: RF Chamber	Data no. :	15
Dis. / Ant.	: 3m 3115(0911)	Ant. pol. :	HORIZONTAL
Limit	: FCC PART 15C PEAK		
Env. / Ins.	: 23°C/54%	Engineer :	Paul Tian
EUT	: EZ Connect™ N 11n Wireless PCI Adapter		
Power	: DC 3.3V From PC input AC 120V/60Hz		
Test mode	: IEEE802.11b CH11 2462MHz		
M/N	: SMCWPCI-N3		

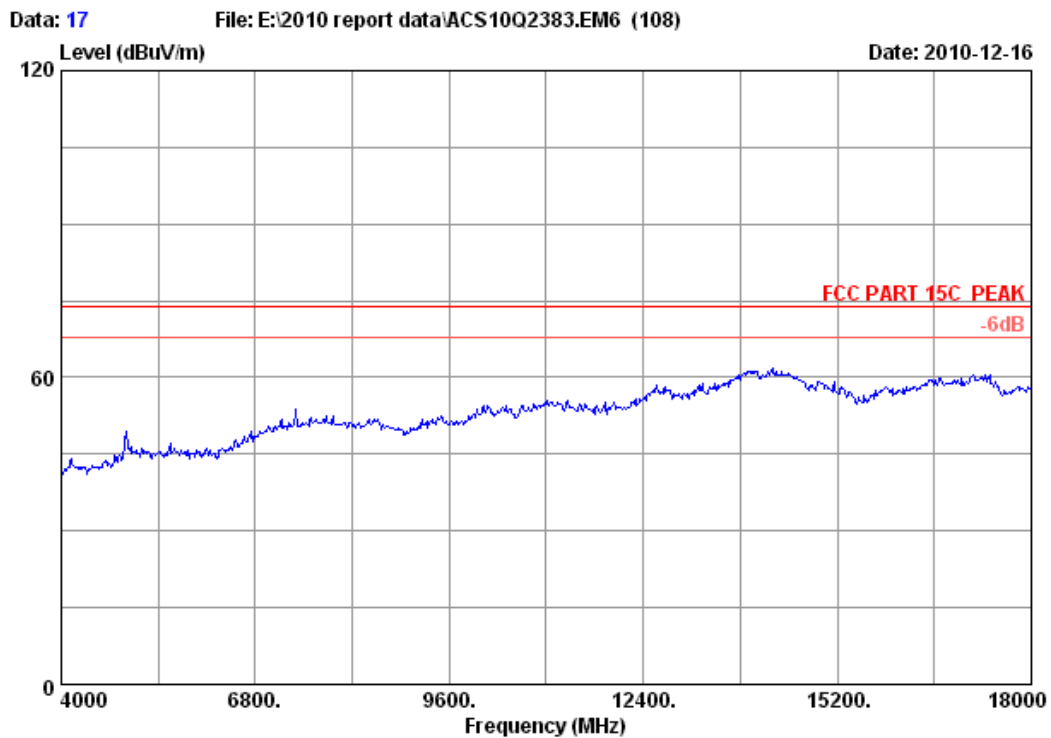


Site no. : RF Chamber Data no. : 16
 Dis. / Ant. : 3m 3115(0911) Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 23°C/54% Engineer : Paul Tian
 EUT : EZ Connect™ N 11n Wireless PCI Adapter
 Power : DC 3.3V From PC input AC 120V/60Hz
 Test mode : IEEE802.11b CH11 2462MHz
 M/N : SMCWPCI-N3

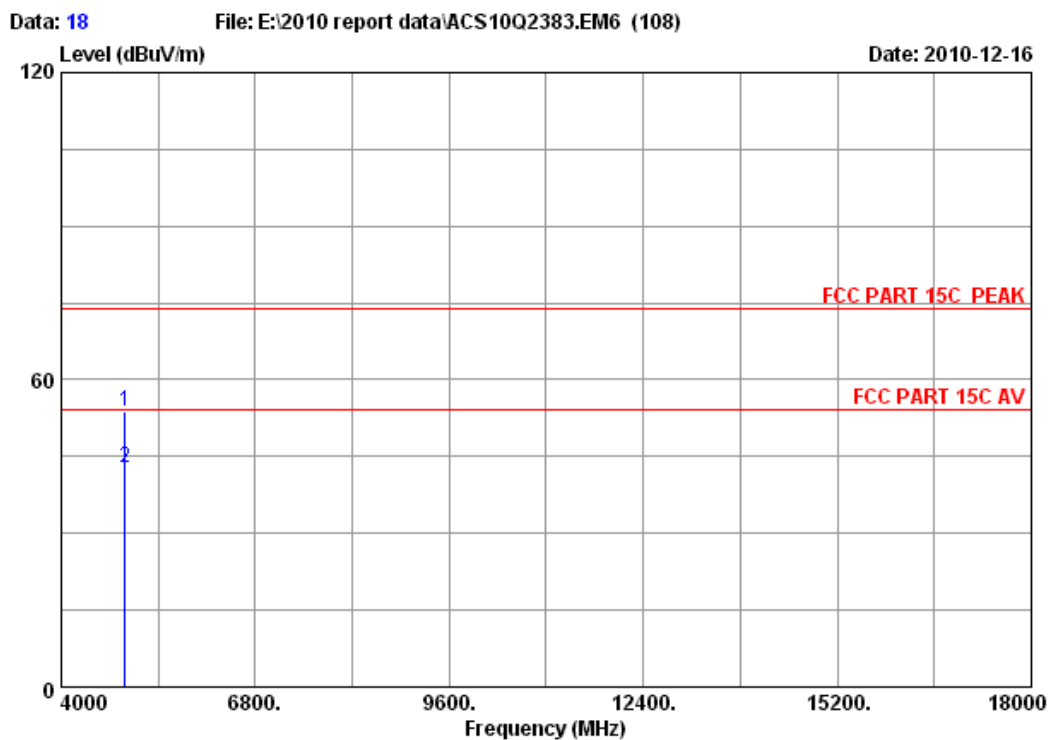
		Ant.	Cable	Amp.	Emission				
	Freq.	Factor	loss	Factor	Reading	Level	Limits	Margin	Remark
	(MHz)	(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)	
1	4924.000	34.49	12.50	35.34	43.69	55.34	74.00	18.66	Peak
2	4924.000	34.49	12.50	35.34	33.83	45.48	54.00	8.52	Average

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.	: RF Chamber	Data no. :	17
Dis. / Ant.	: 3m 3115(0911)	Ant. pol. :	VERTICAL
Limit	: FCC PART 15C PEAK		
Env. / Ins.	: 23°C/54%	Engineer :	Paul Tian
EUT	: EZ Connect™ N 11n Wireless PCI Adapter		
Power	: DC 3.3V From PC input AC 120V/60Hz		
Test mode	: IEEE802.11b CH11 2462MHz		
M/N	: SMCWPCI-N3		

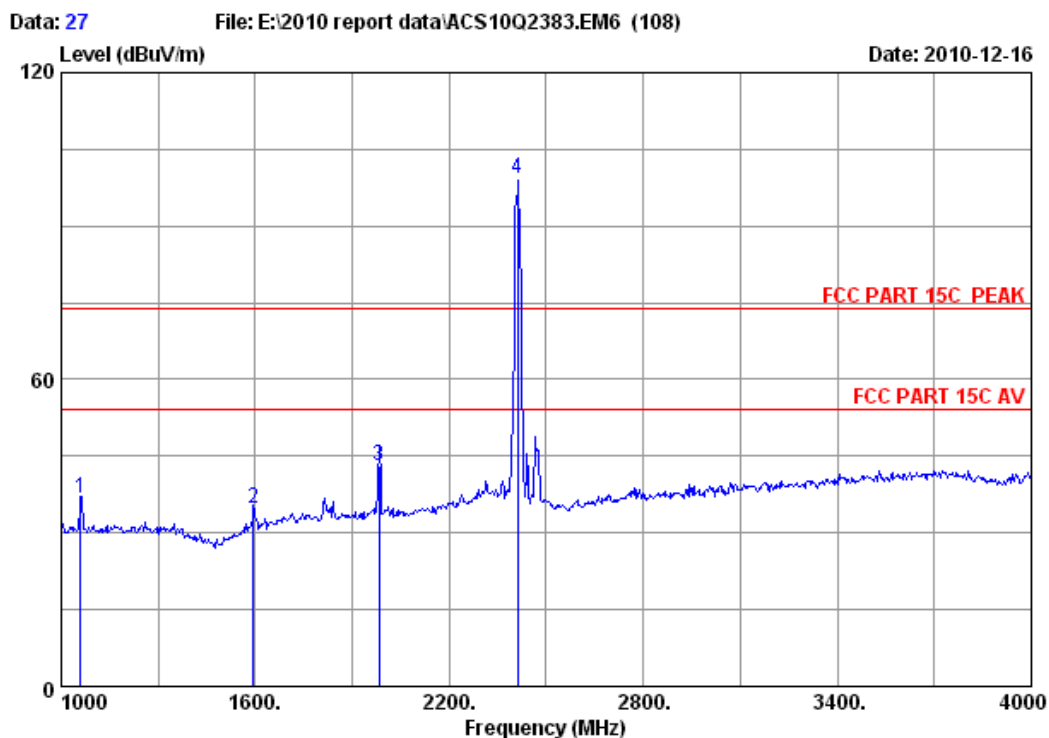


Site no. : RF Chamber Data no. : 18
 Dis. / Ant. : 3m 3115(0911) Ant. pol. : VERTICAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 23°C/54% Engineer : Paul Tian
 EUT : EZ Connect™ N 11n Wireless PCI Adapter
 Power : DC 3.3V From PC input AC 120V/60Hz
 Test mode : IEEE802.11b CH11 2462MHz
 M/N : SMCWPCI-N3

	Ant.	Cable	Amp.		Emission				
	Freq.	Factor	loss	Factor	Reading	Level	Limits	Margin	Remark
	(MHz)	(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)	
1	4924.000	34.49	12.50	35.34	42.17	53.82	74.00	20.18	Peak
2	4924.000	34.49	12.50	35.34	31.02	42.67	54.00	11.33	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.

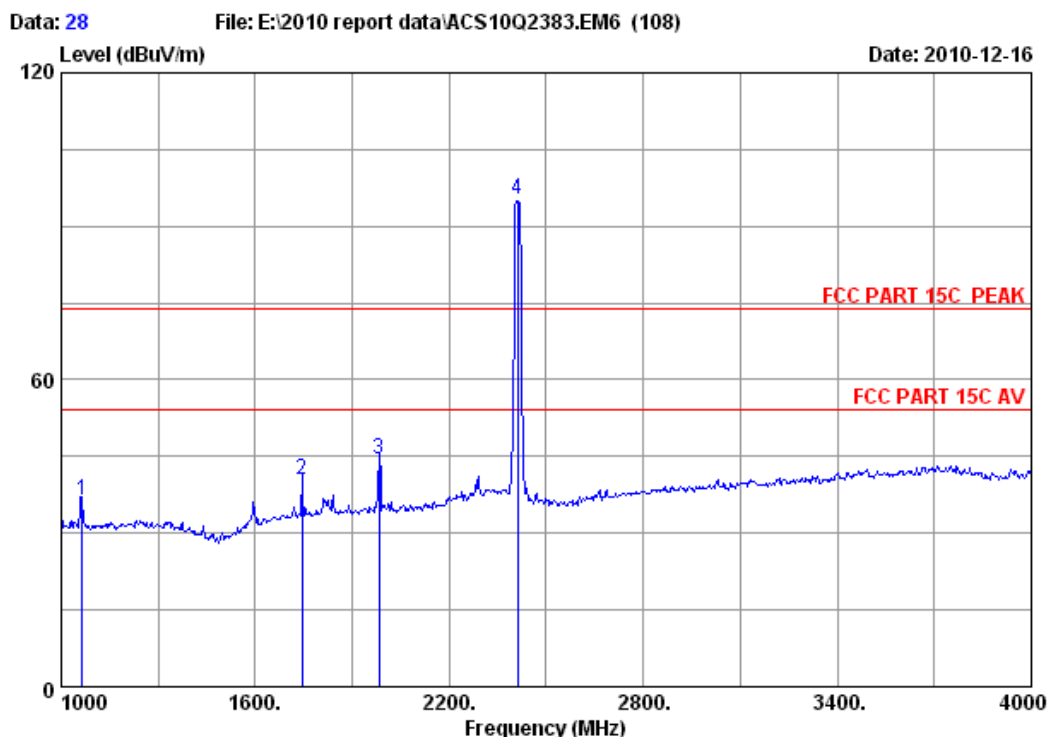


Site no. : RF Chamber Data no. : 27
 Dis. / Ant. : 3m 3115(0911) Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 23°C/54% Engineer : Paul Tian
 EUT : EZ Connect™ N 11n Wireless PCI Adapter
 Power : DC 3.3V From PC input AC 120V/60Hz
 Test mode : IEEE802.11g CH1 2412MHz
 M/N : SMCWPCI-N3

	Freq.	Ant.	Cable	Amp.	Emission				
	(MHz)	Factor	loss	Factor	Reading	Level	Limits	Margin	Remark
		(dB/m)	(dB)	(dB)	(dBUV)	(dBUV/m)	(dBUV/m)	(dB)	
1	1060.000	25.54	5.60	37.26	42.76	36.64	74.00	37.36	Peak
2	1594.000	26.96	6.92	36.43	37.41	34.86	74.00	39.14	Peak
3	1984.000	29.11	7.87	36.06	42.17	43.09	74.00	30.91	Peak
4	2412.000	29.45	8.72	35.95	97.06	99.28	74.00	-25.28	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.

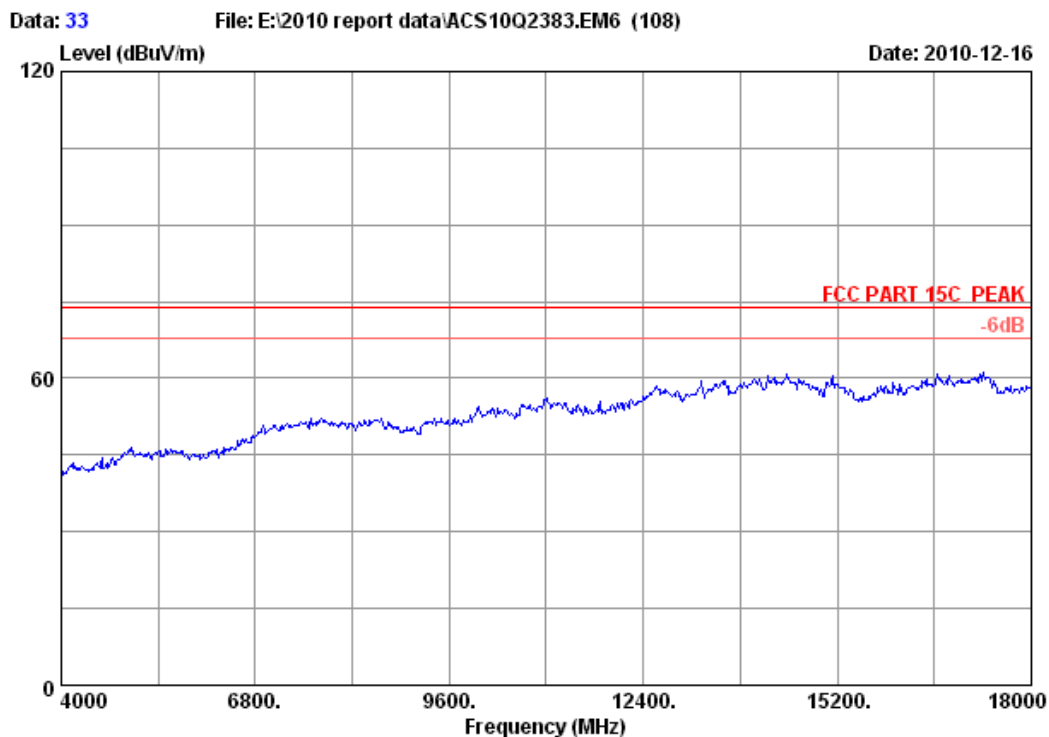


Site no. : RF Chamber Data no. : 28
 Dis. / Ant. : 3m 3115(0911) Ant. pol. : VERTICAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 23°C/54% Engineer : Paul Tian
 EUT : EZ Connect™ N 11n Wireless PCI Adapter
 Power : DC 3.3V From PC input AC 120V/60Hz
 Test mode : IEEE802.11g CH1 2412MHz
 M/N : SMCWPCI-N3

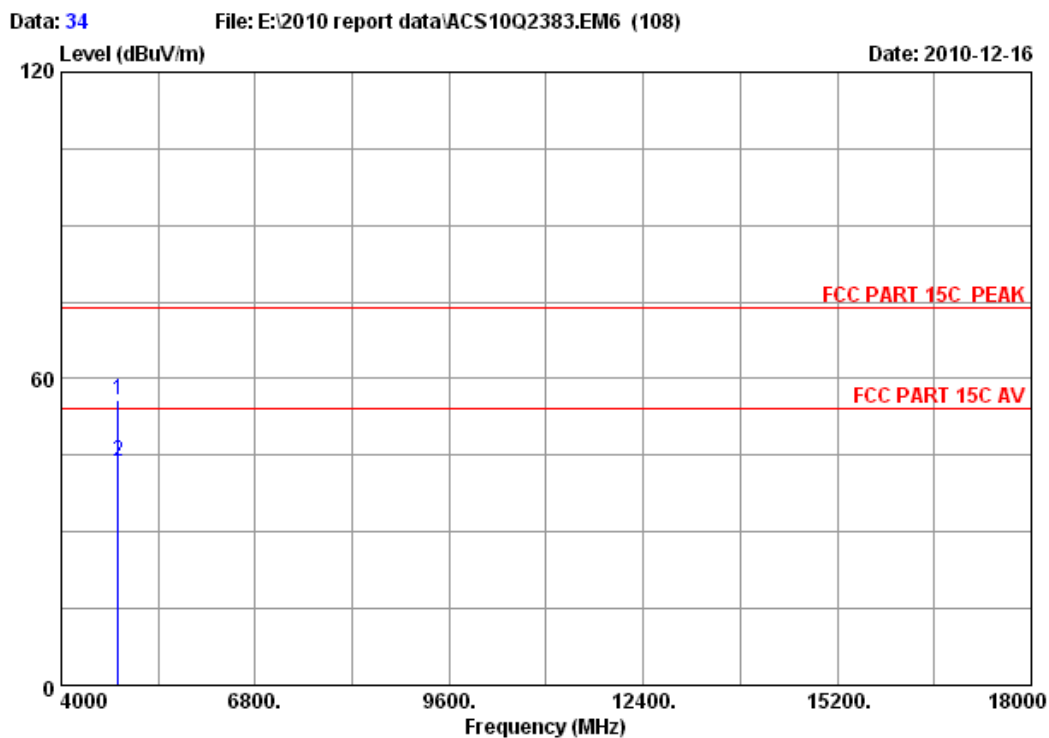
	Ant.	Cable	Amp.		Emission				
Freq.	Factor	loss	Factor	Reading	Level	Limits	Margin	Remark	
(MHz)	(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)		
1	1066.000	25.54	5.60	37.26	42.71	36.59	74.00	37.41	Peak
2	1744.000	27.80	7.27	36.29	41.55	40.33	74.00	33.67	Peak
3	1984.000	29.11	7.87	36.06	43.48	44.40	74.00	29.60	Peak
4	2412.000	29.45	8.72	35.95	93.09	95.31	74.00	-21.31	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.	: RF Chamber	Data no. :	33
Dis. / Ant.	: 3m 3115(0911)	Ant. pol. :	HORIZONTAL
Limit	: FCC PART 15C PEAK		
Env. / Ins.	: 23°C/54%	Engineer :	Paul Tian
EUT	: EZ Connect™ N 11n Wireless PCI Adapter		
Power	: DC 3.3V From PC input AC 120V/60Hz		
Test mode	: IEEE802.11g CH1 2412MHz		
M/N	: SMCWPCI-N3		

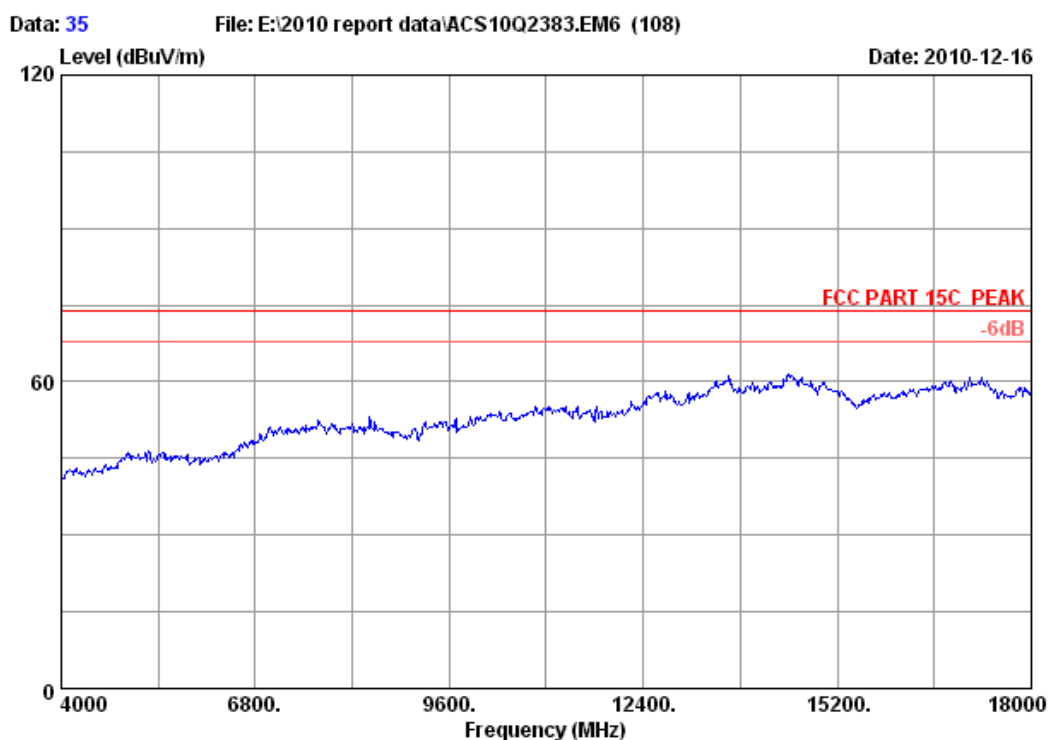


Site no. : RF Chamber Data no. : 34
 Dis. / Ant. : 3m 3115(0911) Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 23°C/54% Engineer : Paul Tian
 EUT : EZ Connect™ N 11n Wireless PCI Adapter
 Power : DC 3.3V From PC input AC 120V/60Hz
 Test mode : IEEE802.11g CH1 2412MHz
 M/N : SMCWPCI-N3

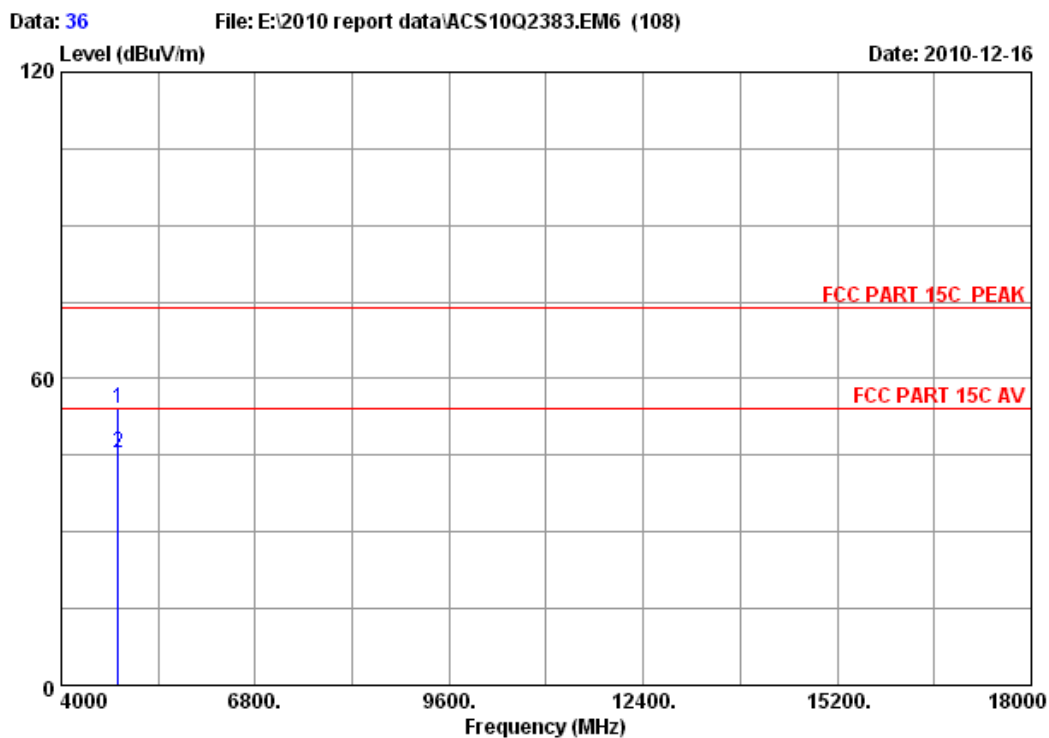
	Ant.	Cable	Amp.		Emission				
	Freq.	Factor	loss	Factor	Reading	Level	Limits	Margin	Remark
	(MHz)	(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)	
1	4824.000	34.32	12.38	35.25	44.29	55.74	74.00	18.26	Peak
2	4824.000	34.32	12.38	35.25	32.46	43.91	54.00	10.09	Average

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.	: RF Chamber	Data no. :	35
Dis. / Ant.	: 3m 3115(0911)	Ant. pol. :	VERTICAL
Limit	: FCC PART 15C PEAK		
Env. / Ins.	: 23°C/54%	Engineer :	Paul Tian
EUT	: EZ Connect™ N 11n Wireless PCI Adapter		
Power	: DC 3.3V From PC input AC 120V/60Hz		
Test mode	: IEEE802.11g CH1 2412MHz		
M/N	: SMCWPCI-N3		

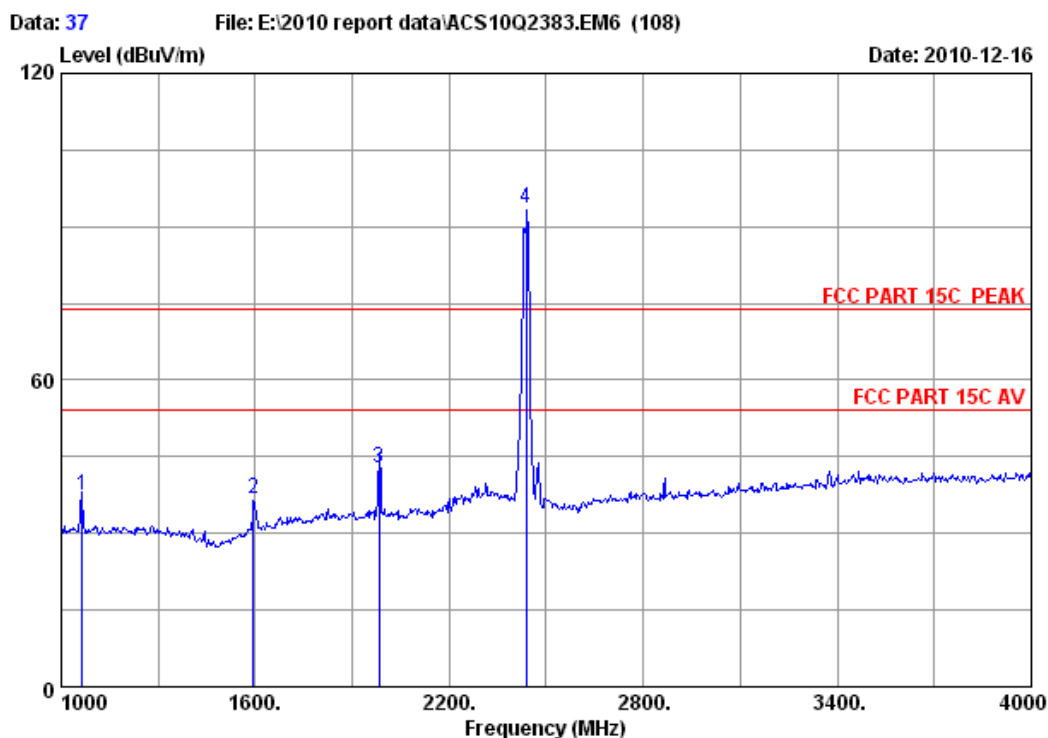


Site no. : RF Chamber Data no. : 36
 Dis. / Ant. : 3m 3115(0911) Ant. pol. : VERTICAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 23°C/54% Engineer : Paul Tian
 EUT : EZ Connect™ N 11n Wireless PCI Adapter
 Power : DC 3.3V From PC input AC 120V/60Hz
 Test mode : IEEE802.11g CH1 2412MHz
 M/N : SMCWPCI-N3

	Ant.	Cable	Amp.		Emission				
	Freq.	Factor	loss	Factor	Reading	Level	Limits	Margin	Remark
	(MHz)	(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)	
1	4824.000	34.32	12.38	35.25	42.81	54.26	74.00	19.74	Peak
2	4824.000	34.32	12.38	35.25	34.05	45.50	54.00	8.50	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.

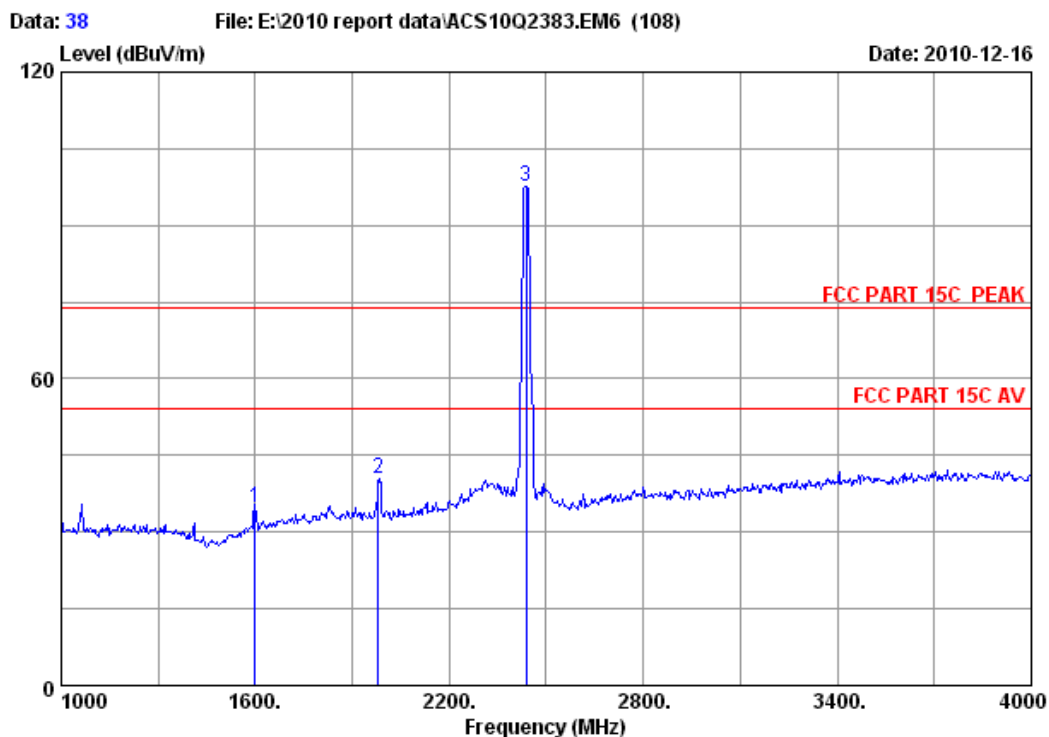


Site no. : RF Chamber Data no. : 37
 Dis. / Ant. : 3m 3115(0911) Ant. pol. : VERTICAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 23°C/54% Engineer : Paul Tian
 EUT : EZ Connect™ N 11n Wireless PCI Adapter
 Power : DC 3.3V From PC input AC 120V/60Hz
 Test mode : IEEE802.11g CH6 2437MHz
 M/N : SMCWPCI-N3

	Ant.	Cable	Amp.		Emission				
Freq.	Factor	loss	Factor	Reading	Level	Limits	Margin	Remark	
(MHz)	(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)		
1	1066.000	25.54	5.60	37.26	43.43	37.31	74.00	36.69	Peak
2	1594.000	26.96	6.92	36.43	39.28	36.73	74.00	37.27	Peak
3	1984.000	29.11	7.87	36.06	41.94	42.86	74.00	31.14	Peak
4	2437.000	29.47	8.77	36.06	91.44	93.62	74.00	-19.62	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.

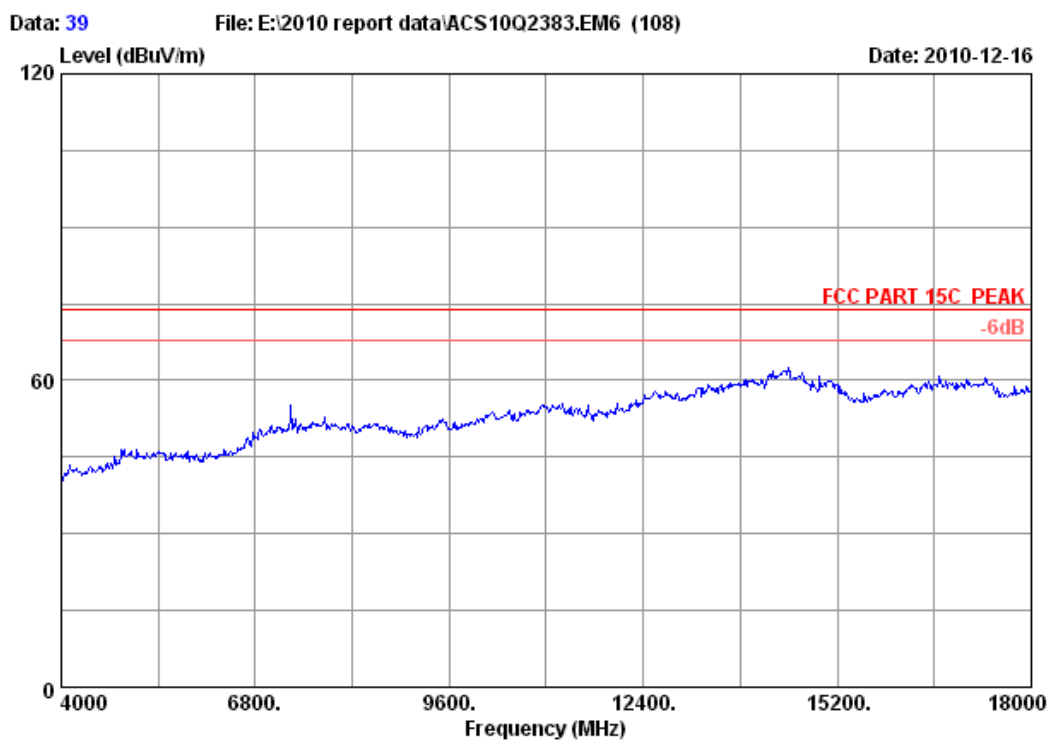


Site no. : RF Chamber Data no. : 38
 Dis. / Ant. : 3m 3115(0911) Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 23°C/54% Engineer : Paul Tian
 EUT : EZ Connect™ N 11n Wireless PCI Adapter
 Power : DC 3.3V From PC input AC 120V/60Hz
 Test mode : IEEE802.11g CH6 2437MHz
 M/N : SMCWPCI-N3

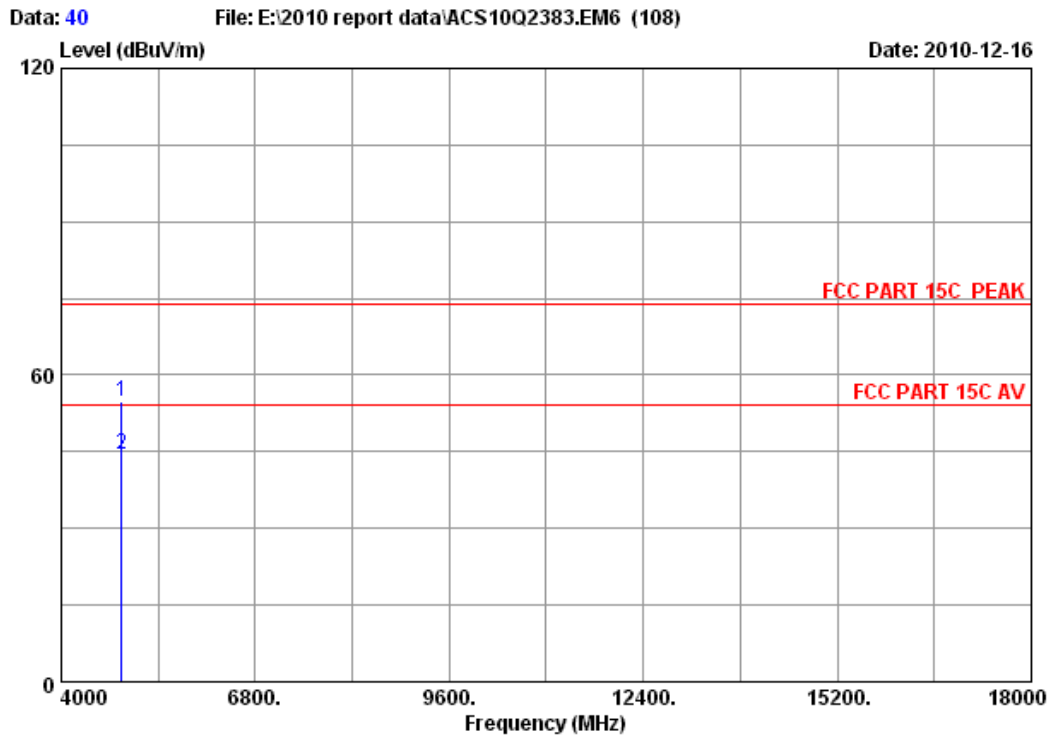
	Ant.	Cable	Amp.		Emission				
Freq.	Factor	loss	Factor	Reading	Level	Limits	Margin	Remark	
(MHz)	(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)		
1 1600.000	26.96	6.98	36.43	37.13	34.64	74.00	39.36	Peak	
2 1981.000	29.11	7.87	36.06	39.49	40.41	74.00	33.59	Peak	
3 2437.000	29.47	8.77	36.06	95.30	97.48	74.00	-23.48	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.	: RF Chamber	Data no. :	39
Dis. / Ant.	: 3m 3115(0911)	Ant. pol. :	HORIZONTAL
Limit	: FCC PART 15C PEAK		
Env. / Ins.	: 23°C/54%	Engineer :	Paul Tian
EUT	: EZ Connect™ N 11n Wireless PCI Adapter		
Power	: DC 3.3V From PC input AC 120V/60Hz		
Test mode	: IEEE802.11g CH6 2437MHz		
M/N	: SMCWPCI-N3		

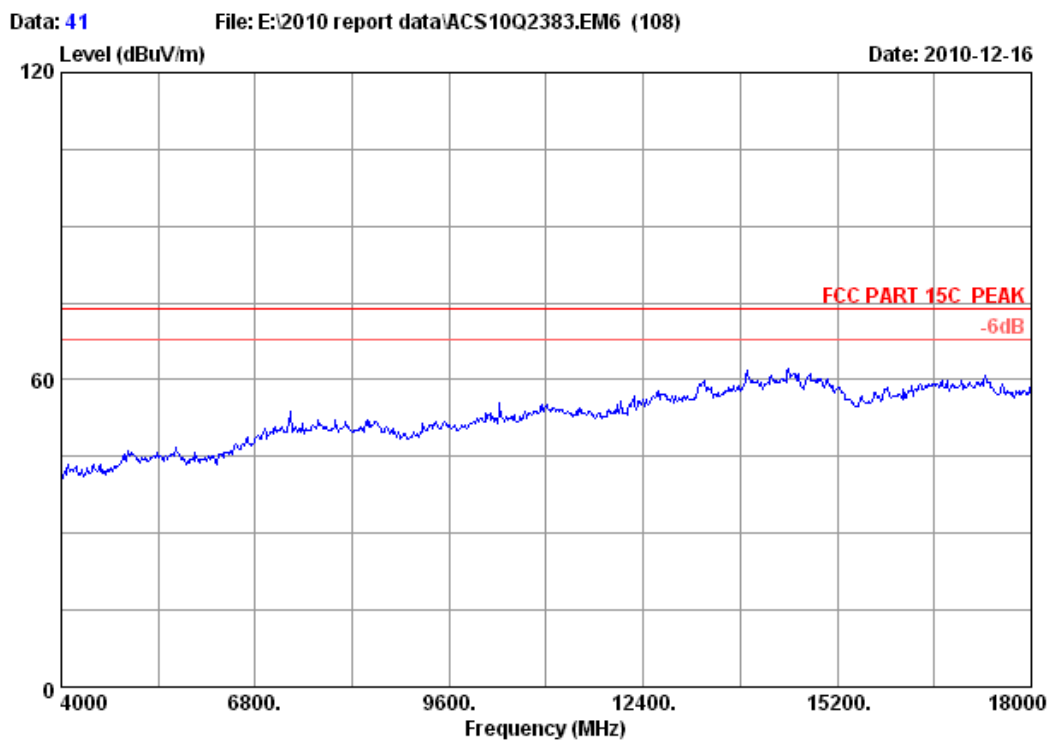


Site no. : RF Chamber Data no. : 40
 Dis. / Ant. : 3m 3115(0911) Ant. pol. : VERTICAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 23°C/54% Engineer : Sunny
 EUT : EZ Connect™ N 11n Wireless PCI Adapter
 Power : DC 3.3V From PC input AC 120V/60Hz
 Test mode : IEEE802.11b CH11 2462MHz
 M/N : SMCWPCI-N3

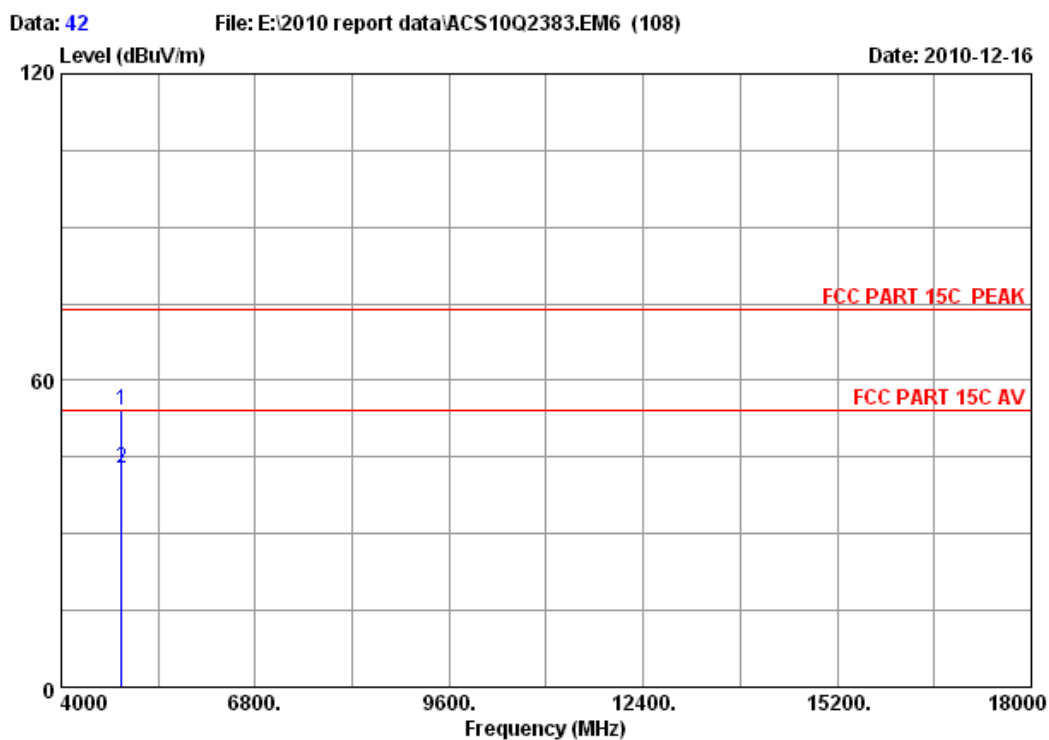
	Ant.	Cable	Amp.		Emission				
Freq.	Factor	loss	Factor	Reading	Level	Limits	Margin	Remark	
(MHz)	(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)		
1 4874.000	34.41	12.44	35.36	43.35	54.84	74.00	19.16	Peak	
2 4874.000	34.41	12.44	35.36	32.80	44.29	54.00	9.71	Average	

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.	: RF Chamber	Data no. :	41
Dis. / Ant.	: 3m 3115(0911)	Ant. pol. :	VERTICAL
Limit	: FCC PART 15C PEAK		
Env. / Ins.	: 23°C/54%	Engineer :	Paul Tian
EUT	: EZ Connect™ N 11n Wireless PCI Adapter		
Power	: DC 3.3V From PC input AC 120V/60Hz		
Test mode	: IEEE802.11g CH6 2437MHz		
M/N	: SMCWPCI-N3		

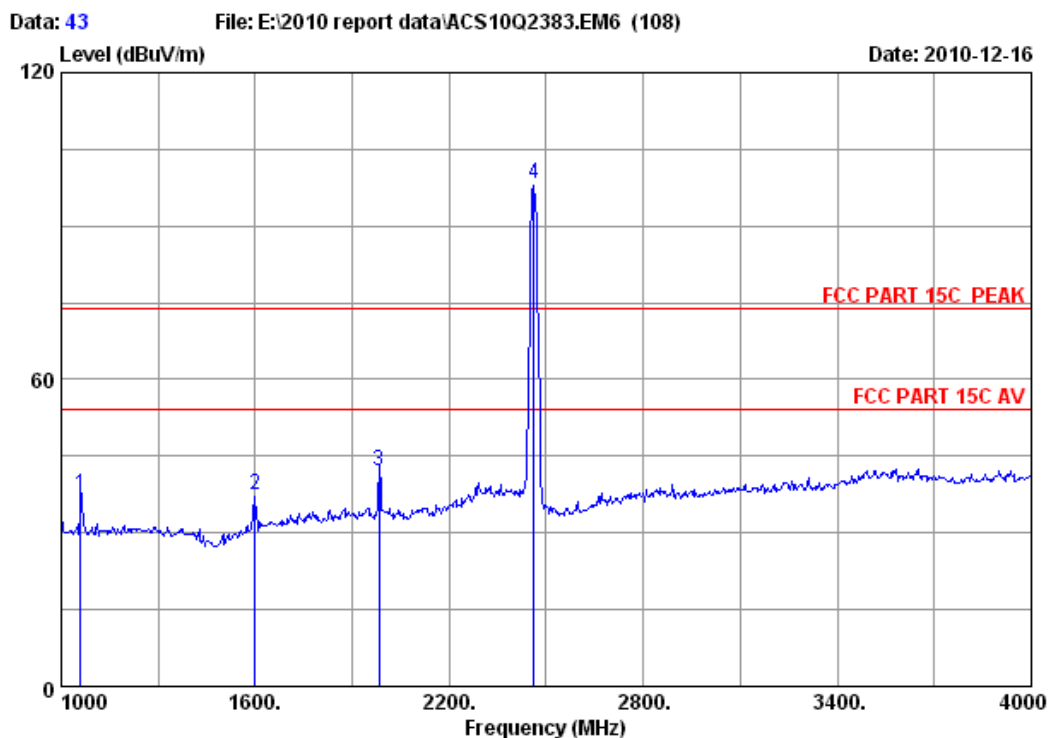


Site no. : RF Chamber Data no. : 42
 Dis. / Ant. : 3m 3115(0911) Ant. pol. : VERTICAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 23°C/54% Engineer : Paul Tian
 EUT : EZ Connect™ N 11n Wireless PCI Adapter
 Power : DC 3.3V From PC input AC 120V/60Hz
 Test mode : IEEE802.11g CH6 2437MHz
 M/N : SMCWPCI-N3

	Ant.	Cable	Amp.		Emission				
Freq.	Factor	loss	Factor	Reading	Level	Limits	Margin	Remark	
(MHz)	(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)		
1 4874.000	34.41	12.44	35.36	42.81	54.30	74.00	19.70	Peak	
2 4874.000	34.41	12.44	35.36	31.24	42.73	54.00	11.27	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.

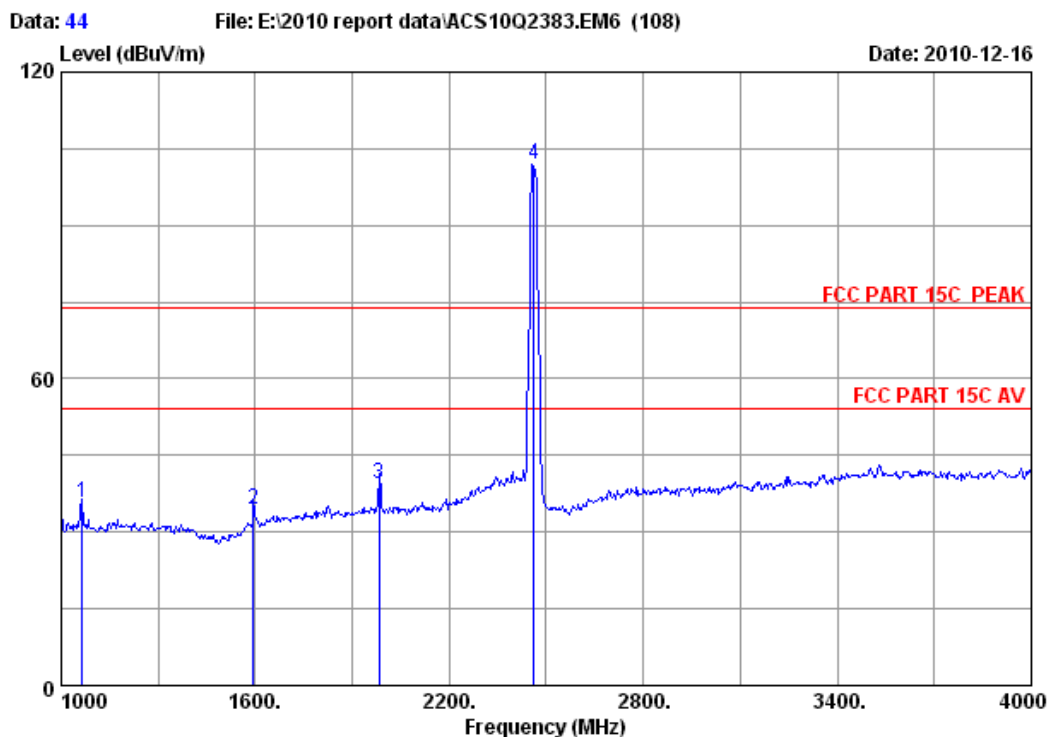


Site no. : RF Chamber Data no. : 43
 Dis. / Ant. : 3m 3115(0911) Ant. pol. : VERTICAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 23°C/54% Engineer : Paul Tian
 EUT : EZ Connect™ N 11n Wireless PCI Adapter
 Power : DC 3.3V From PC input AC 120V/60Hz
 Test mode : IEEE802.11g CH11 2462MHz
 M/N : SMCWPCI-N3

	Ant.	Cable	Amp.		Emission				
Freq.	Factor	loss	Factor	Reading	Level	Limits	Margin	Remark	
(MHz)	(dB/m)	(dB)	(dB)	(dBUV)	(dBUV/m)	(dBUV/m)	(dB)		
1 1060.000	25.54	5.60	37.26	43.40	37.28	74.00	36.72	Peak	
2 1600.000	26.96	6.98	36.43	39.77	37.28	74.00	36.72	Peak	
3 1984.000	29.11	7.87	36.06	41.18	42.10	74.00	31.90	Peak	
4 2462.000	29.48	8.82	36.02	95.85	98.13	74.00	-24.13	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.

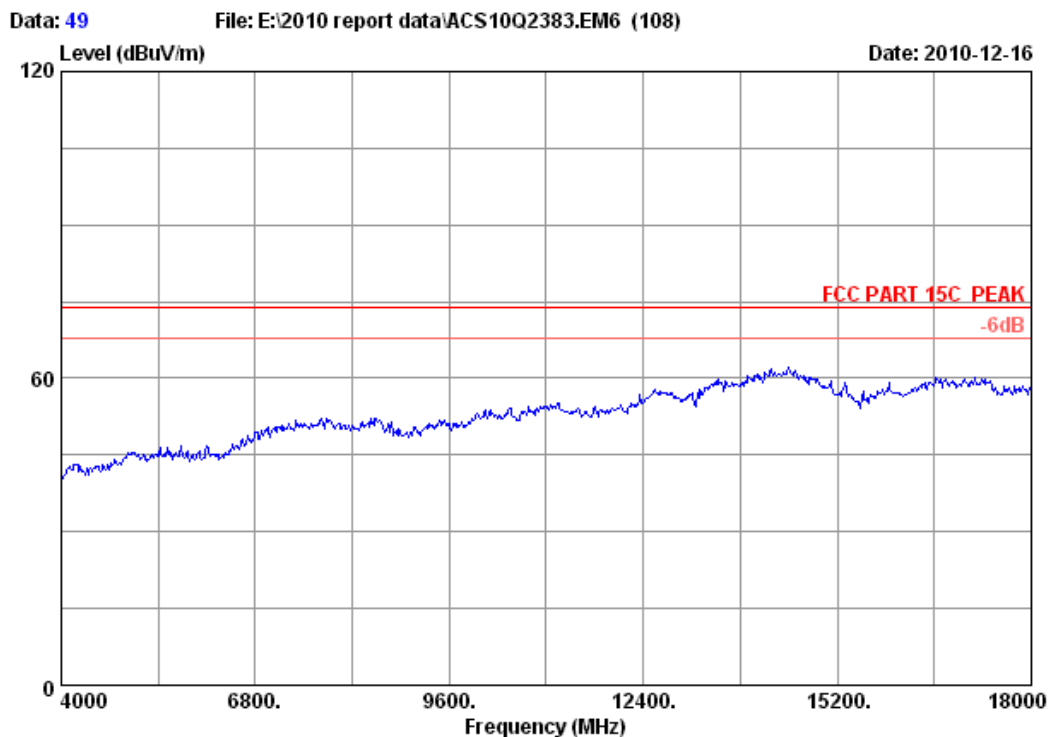


Site no. : RF Chamber Data no. : 44
 Dis. / Ant. : 3m 3115(0911) Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 23°C/54% Engineer : Paul Tian
 EUT : EZ Connect™ N 11n Wireless PCI Adapter
 Power : DC 3.3V From PC input AC 120V/60Hz
 Test mode : IEEE802.11g CH11 2462MHz
 M/N : SMCWPCI-N3

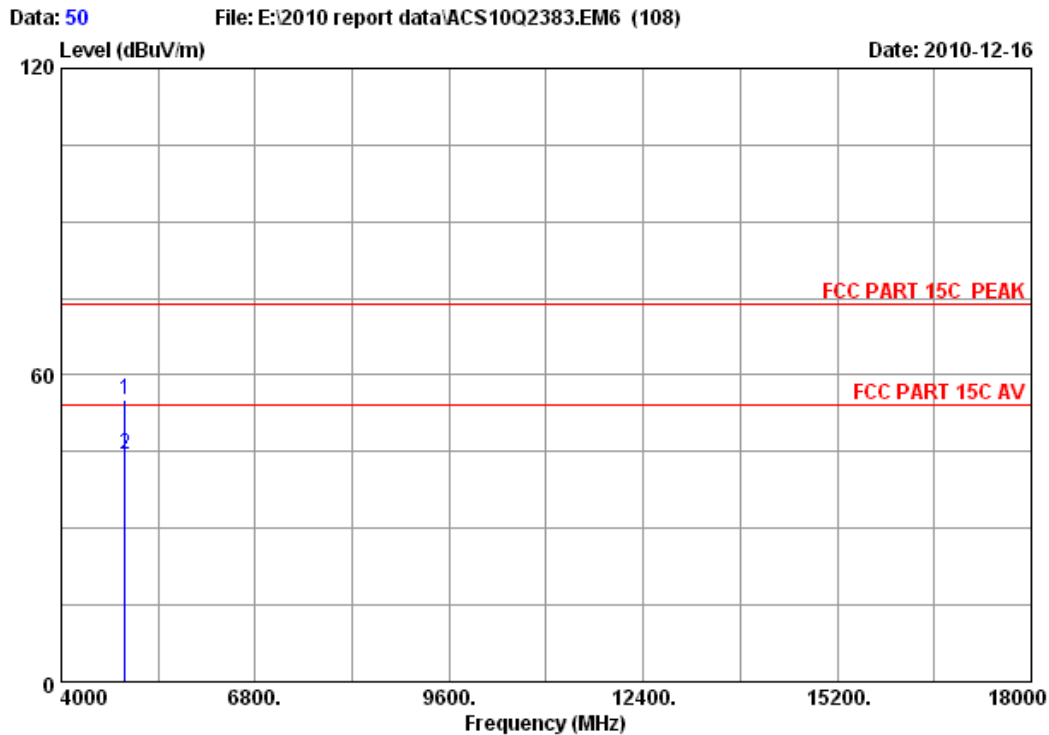
	Ant.	Cable	Amp.		Emission				
Freq.	Factor	loss	Factor	Reading	Level	Limits	Margin	Remark	
(MHz)	(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)		
1	1066.000	25.54	5.60	37.26	41.77	35.65	74.00	38.35	Peak
2	1594.000	26.96	6.92	36.43	37.09	34.54	74.00	39.46	Peak
3	1984.000	29.11	7.87	36.06	38.60	39.52	74.00	34.48	Peak
4	2462.000	29.48	8.82	36.02	99.66	101.94	74.00	-27.94	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.	: RF Chamber	Data no. :	49
Dis. / Ant.	: 3m 3115(0911)	Ant. pol. :	VERTICAL
Limit	: FCC PART 15C PEAK		
Env. / Ins.	: 23°C/54%	Engineer :	Paul Tian
EUT	: EZ Connect™ N 11n Wireless PCI Adapter		
Power	: DC 3.3V From PC input AC 120V/60Hz		
Test mode	: IEEE802.11g CH11 2462MHz		
M/N	: SMCWPCI-N3		

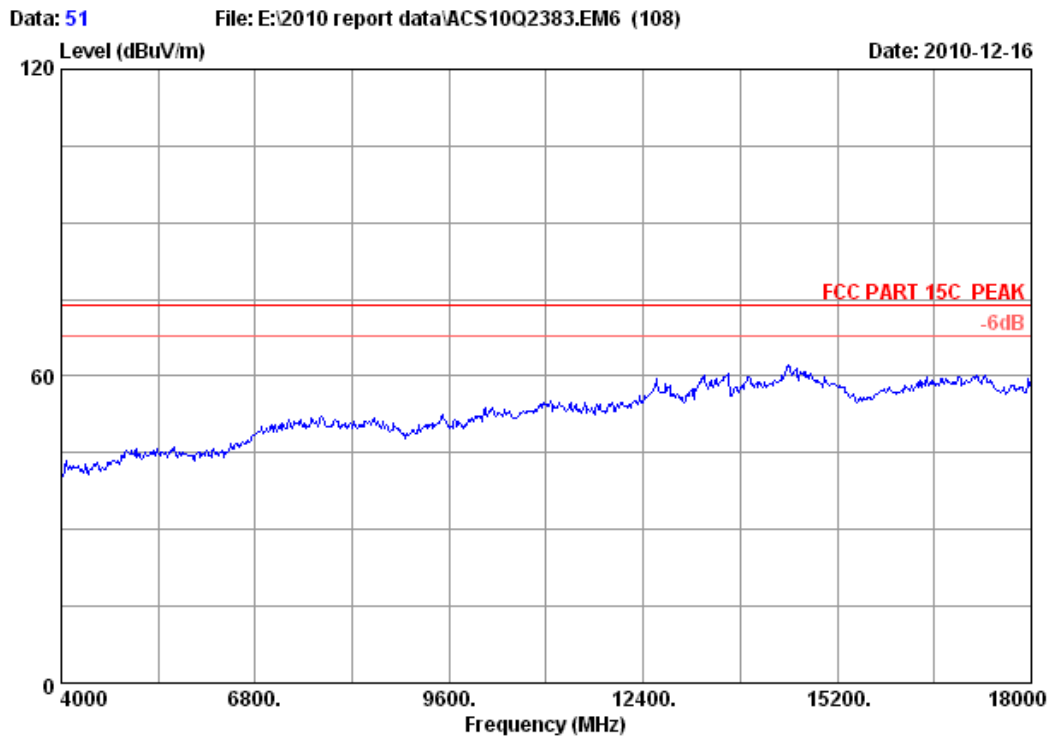


Site no. : RF Chamber Data no. : 50
 Dis. / Ant. : 3m 3115(0911) Ant. pol. : VERTICAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 23°C/54% Engineer : Paul Tian
 EUT : EZ Connect™ N 11n Wireless PCI Adapter
 Power : DC 3.3V From PC input AC 120V/60Hz
 Test mode : IEEE802.11g CH11 2462MHz
 M/N : SMCWPCI-N3

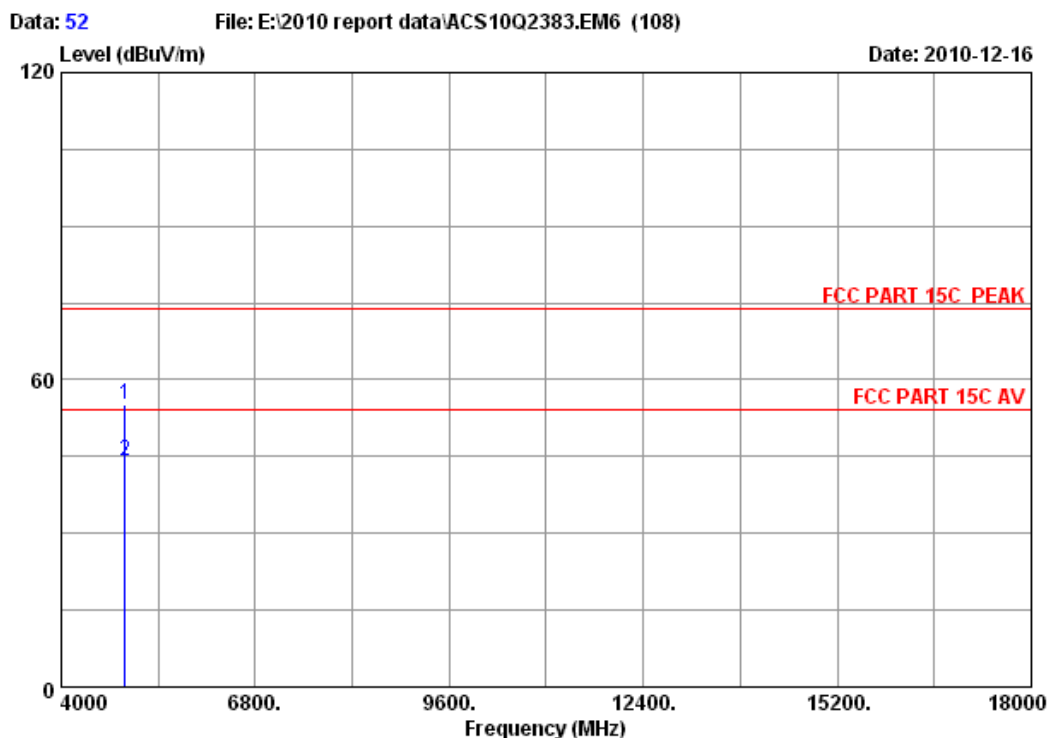
	Ant.	Cable	Amp.		Emission				
Freq.	Factor	loss	Factor	Reading	Level	Limits	Margin	Remark	
(MHz)	(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)		
1 4924.000	34.49	12.50	35.34	43.48	55.13	74.00	18.87	Peak	
2 4924.000	34.49	12.50	35.34	32.91	44.56	54.00	9.44	Average	

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.	: RF Chamber	Data no. :	51
Dis. / Ant.	: 3m 3115(0911)	Ant. pol. :	HORIZONTAL
Limit	: FCC PART 15C PEAK		
Env. / Ins.	: 23°C/54%	Engineer :	Paul Tian
EUT	: EZ Connect™ N 11n Wireless PCI Adapter		
Power	: DC 3.3V From PC input AC 120V/60Hz		
Test mode	: IEEE802.11g CH11 2462MHz		
M/N	: SMCWPCI-N3		

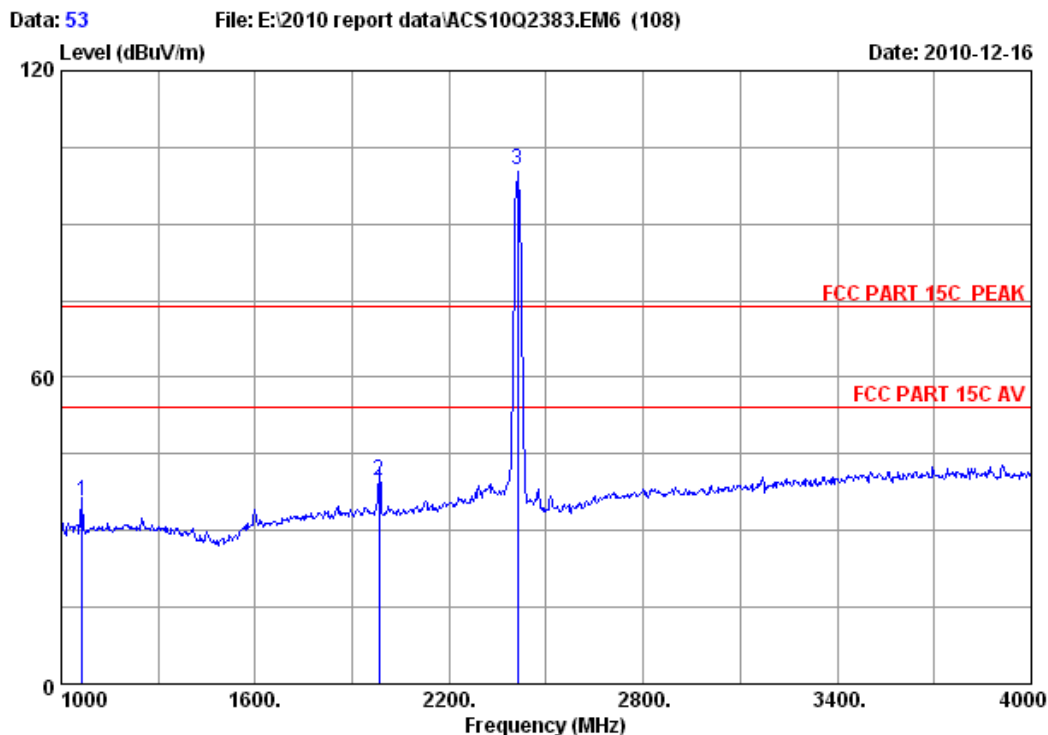


Site no. : RF Chamber Data no. : 52
 Dis. / Ant. : 3m 3115(0911) Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 23°C/54% Engineer : Paul Tian
 EUT : EZ Connect™ N 11n Wireless PCI Adapter
 Power : DC 3.3V From PC input AC 120V/60Hz
 Test mode : IEEE802.11g CH11 2462MHz
 M/N : SMCWPCI-N3

	Ant.	Cable	Amp.		Emission				
	Freq.	Factor	loss	Factor	Reading	Level	Limits	Margin	Remark
	(MHz)	(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)	
1	4924.000	34.49	12.50	35.34	43.45	55.10	74.00	18.90	Peak
2	4924.000	34.49	12.50	35.34	32.38	44.03	54.00	9.97	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.

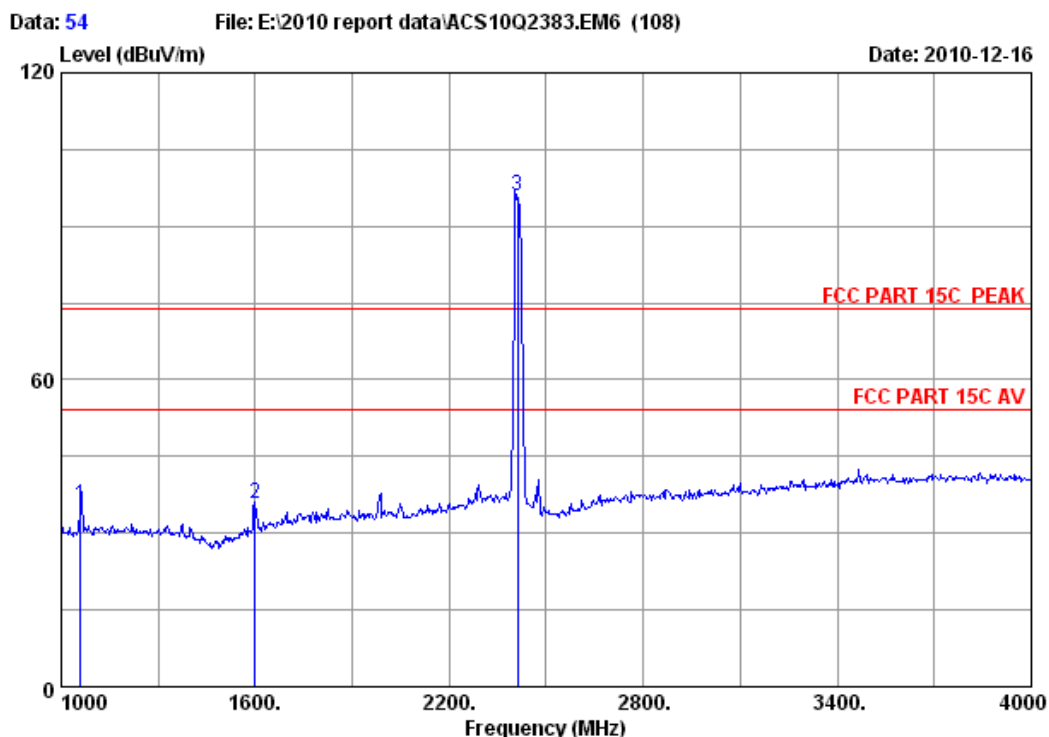


Site no. : RF Chamber Data no. : 53
 Dis. / Ant. : 3m 3115(0911) Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 23°C/54% Engineer : Paul Tian
 EUT : EZ Connect™ N 11n Wireless PCI Adapter
 Power : DC 3.3V From PC input AC 120V/60Hz
 Test mode : IEEE802.11n HT20 CH1 2412MHz
 M/N : SMCWPCI-N3

	Ant.	Cable	Amp.		Emission				
	Freq.	Factor	loss	Factor	Reading	Level	Limits	Margin	Remark
	(MHz)	(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)	
1	1066.000	25.54	5.60	37.26	41.91	35.79	74.00	38.21	Peak
2	1984.000	29.11	7.87	36.06	38.97	39.89	74.00	34.11	Peak
3	2412.000	29.45	8.72	35.95	98.23	100.45	74.00	-26.45	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.

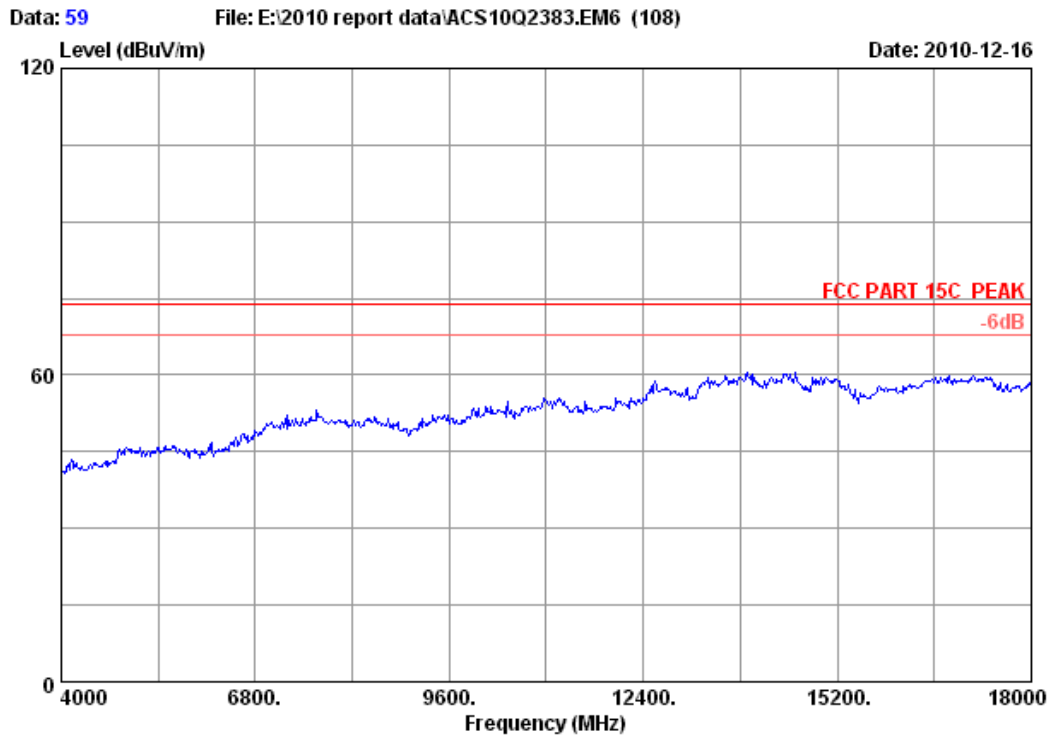


Site no. : RF Chamber Data no. : 54
 Dis. / Ant. : 3m 3115(0911) Ant. pol. : VERTICAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 23°C/54% Engineer : Paul Tian
 EUT : EZ Connect™ N 11n Wireless PCI Adapter
 Power : DC 3.3V From PC input AC 120V/60Hz
 Test mode : IEEE802.11n HT20 CH1 2412MHz
 M/N : SMCWPCI-N3

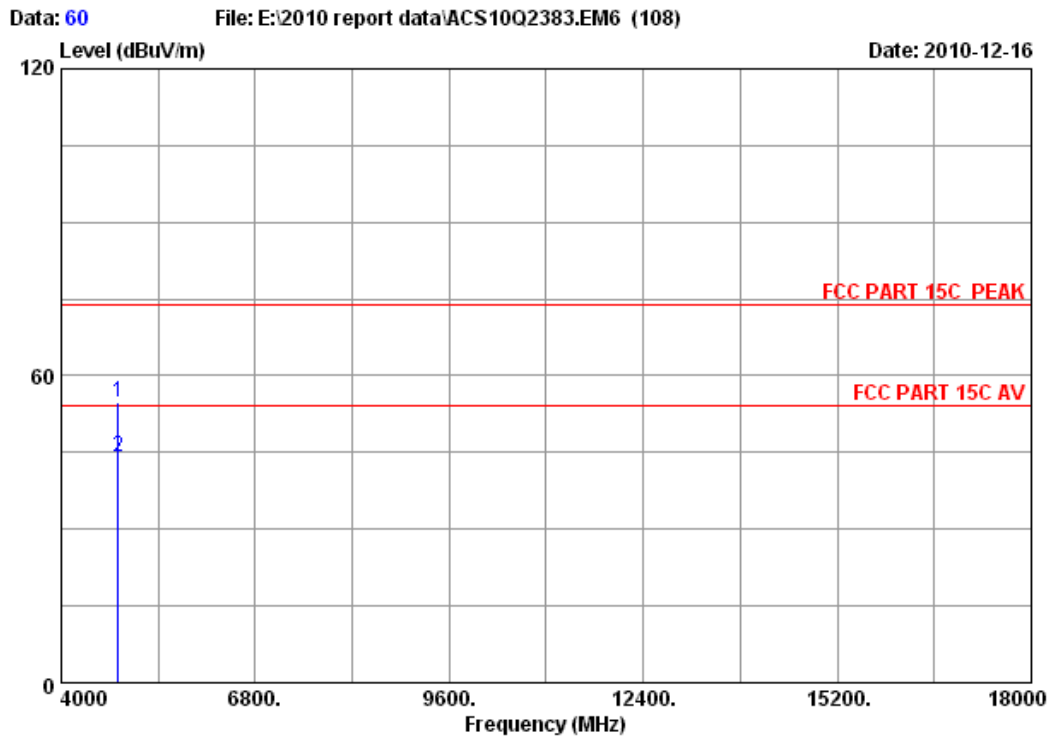
	Ant.	Cable	Amp.		Emission				
Freq.	Factor	loss	Factor	Reading	Level	Limits	Margin	Remark	
(MHz)	(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)		
1 1060.000	25.54	5.60	37.26	41.41	35.29	74.00	38.71	Peak	
2 1600.000	26.96	6.98	36.43	38.09	35.60	74.00	38.40	Peak	
3 2412.000	29.45	8.72	35.95	93.69	95.91	74.00	-21.91	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.	: RF Chamber	Data no. :	59
Dis. / Ant.	: 3m 3115(0911)	Ant. pol. :	HORIZONTAL
Limit	: FCC PART 15C PEAK		
Env. / Ins.	: 23°C/54%	Engineer :	Paul Tian
EUT	: EZ Connect™ N 11n Wireless PCI Adapter		
Power	: DC 3.3V From PC input AC 120V/60Hz		
Test mode	: IEEE802.11n HT20 CH1 2412MHz		
M/N	: SMCWPCI-N3		

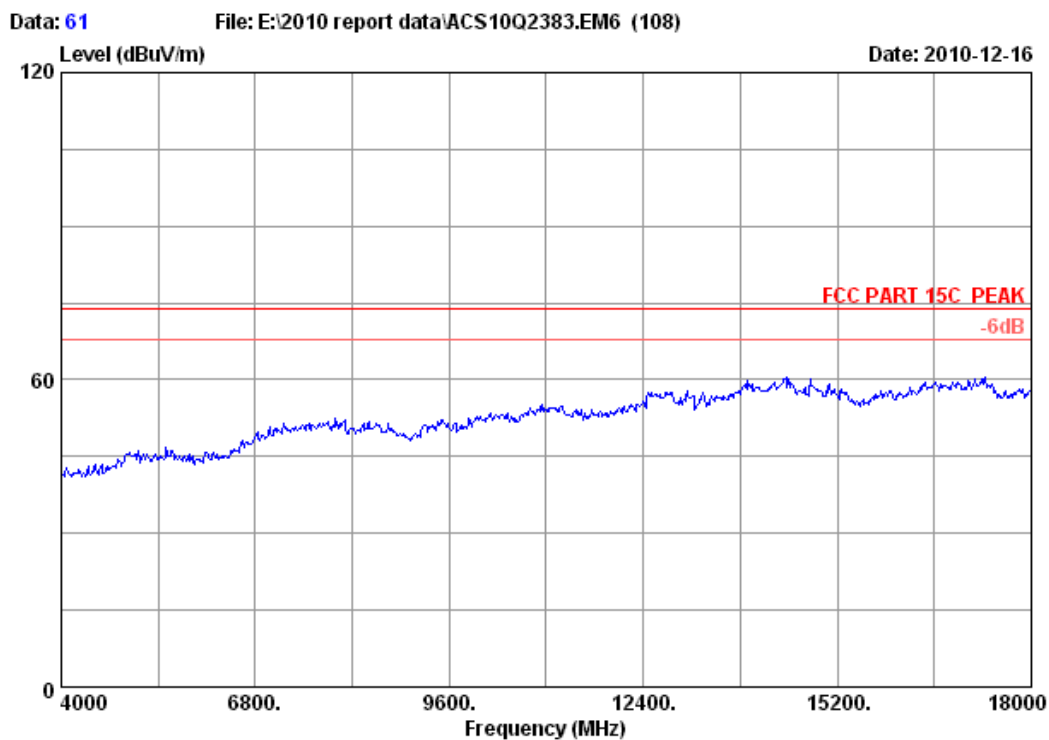


Site no. : RF Chamber Data no. : 60
 Dis. / Ant. : 3m 3115(0911) Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 23°C/54% Engineer : Paul Tian
 EUT : EZ Connect™ N 11n Wireless PCI Adapter
 Power : DC 3.3V From PC input AC 120V/60Hz
 Test mode : IEEE802.11n HT20 CH1 2412MHz
 M/N : SMCWPCI-N3

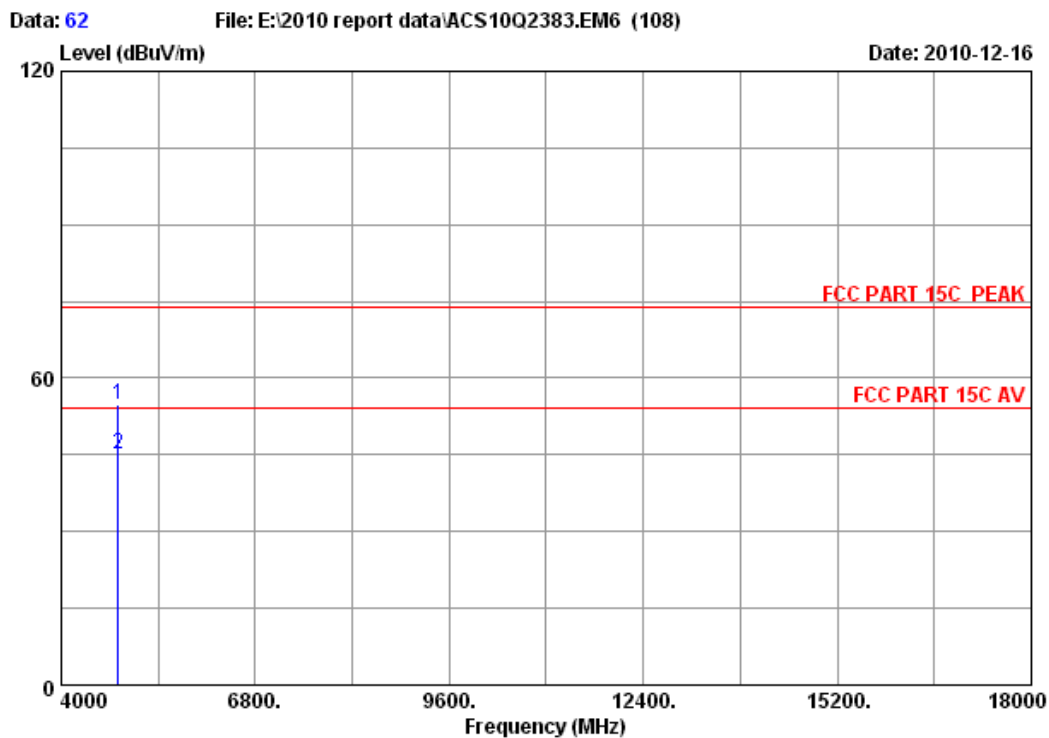
	Ant.	Cable	Amp.		Emission				
Freq.	Factor	loss	Factor	Reading	Level	Limits	Margin	Remark	
(MHz)	(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)		
1 4824.000	34.32	12.38	35.25	43.21	54.66	74.00	19.34	Peak	
2 4824.000	34.32	12.38	35.25	32.52	43.97	54.00	10.03	Average	

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.	: RF Chamber	Data no. :	61
Dis. / Ant.	: 3m 3115(0911)	Ant. pol. :	VERTICAL
Limit	: FCC PART 15C PEAK		
Env. / Ins.	: 23°C/54%	Engineer :	Paul Tian
EUT	: EZ Connect™ N 11n Wireless PCI Adapter		
Power	: DC 3.3V From PC input AC 120V/60Hz		
Test mode	: IEEE802.11n HT20 CH1 2412MHz		
M/N	: SMCWPCI-N3		

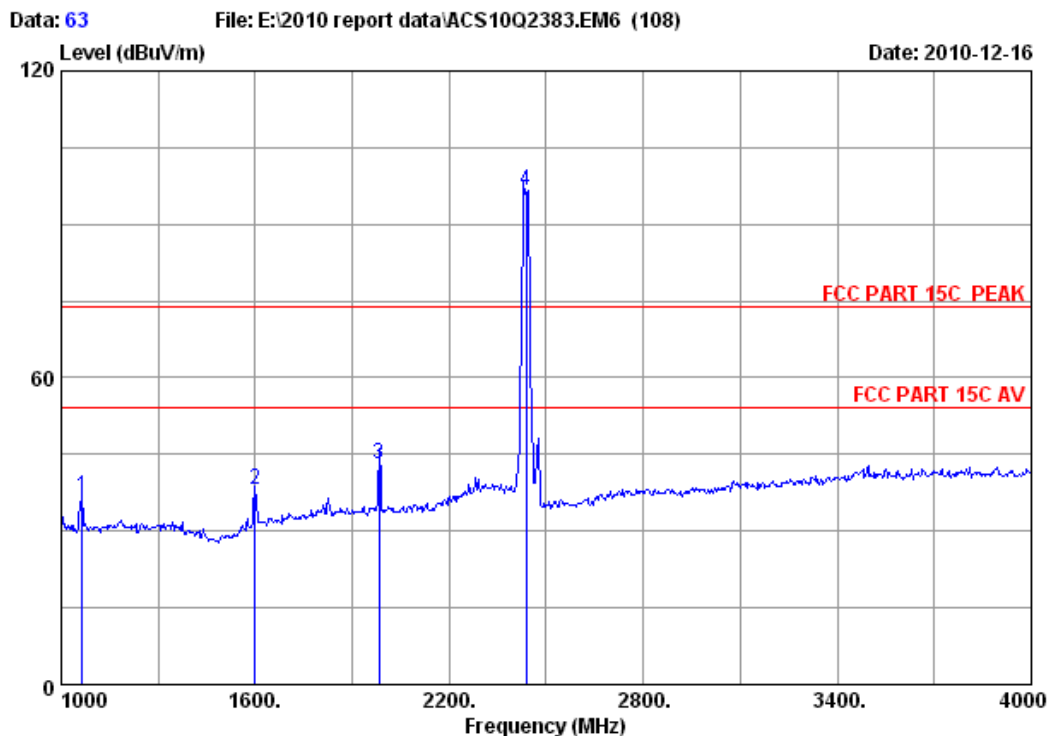


Site no. : RF Chamber Data no. : 62
 Dis. / Ant. : 3m 3115(0911) Ant. pol. : VERTICAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 23°C/54% Engineer : Paul Tian
 EUT : EZ Connect™ N 11n Wireless PCI Adapter
 Power : DC 3.3V From PC input AC 120V/60Hz
 Test mode : IEEE802.11n HT20 CH1 2412MHz
 M/N : SMCWPCI-N3

	Ant.	Cable	Amp.		Emission				
Freq.	Factor	loss	Factor	Reading	Level	Limits	Margin	Remark	
(MHz)	(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)		
1 4824.000	34.32	12.38	35.25	43.49	54.94	74.00	19.06	Peak	
2 4824.000	34.32	12.38	35.25	33.84	45.29	54.00	8.71	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.

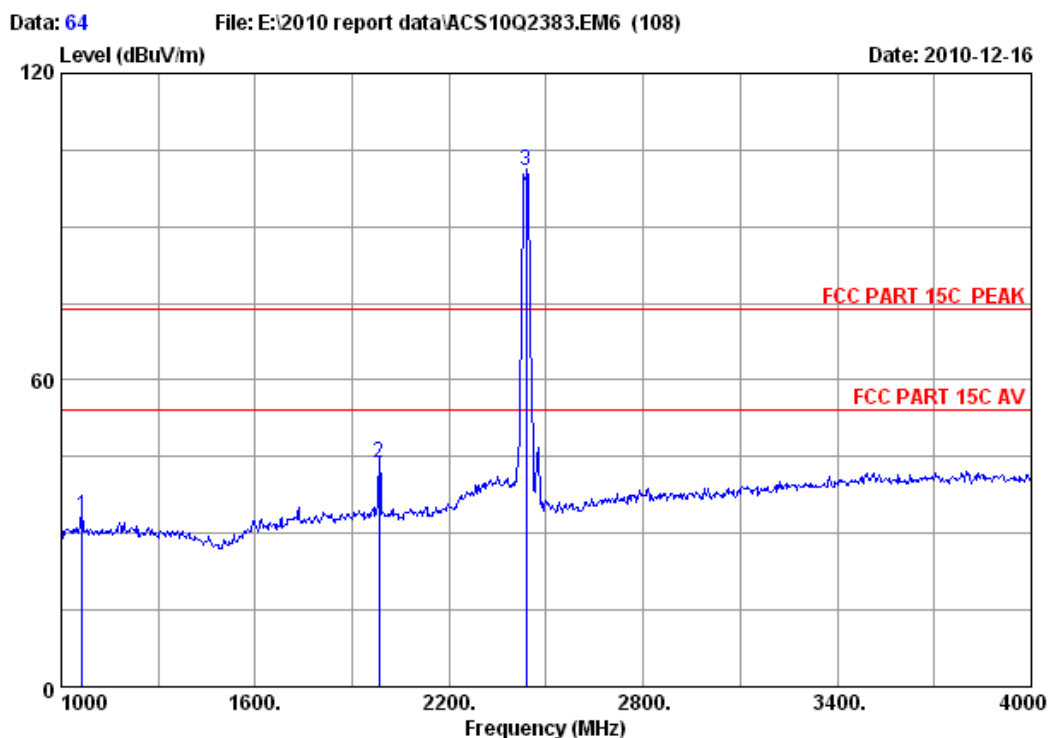


Site no. : RF Chamber Data no. : 63
 Dis. / Ant. : 3m 3115(0911) Ant. pol. : VERTICAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 23°C/54% Engineer : Paul Tian
 EUT : EZ Connect™ N 11n Wireless PCI Adapter
 Power : DC 3.3V From PC input AC 120V/60Hz
 Test mode : IEEE802.11n HT20 CH6 2437MHz
 M/N : SMCWPCI-N3

	Ant.	Cable	Amp.		Emission				
Freq.	Factor	loss	Factor	Reading	Level	Limits	Margin	Remark	
(MHz)	(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)		
1	1066.000	25.54	5.60	37.26	43.03	36.91	74.00	37.09	Peak
2	1600.000	26.96	6.98	36.43	40.58	38.09	74.00	35.91	Peak
3	1984.000	29.11	7.87	36.06	42.26	43.18	74.00	30.82	Peak
4	2437.000	29.47	8.77	36.06	94.44	96.62	74.00	-22.62	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.

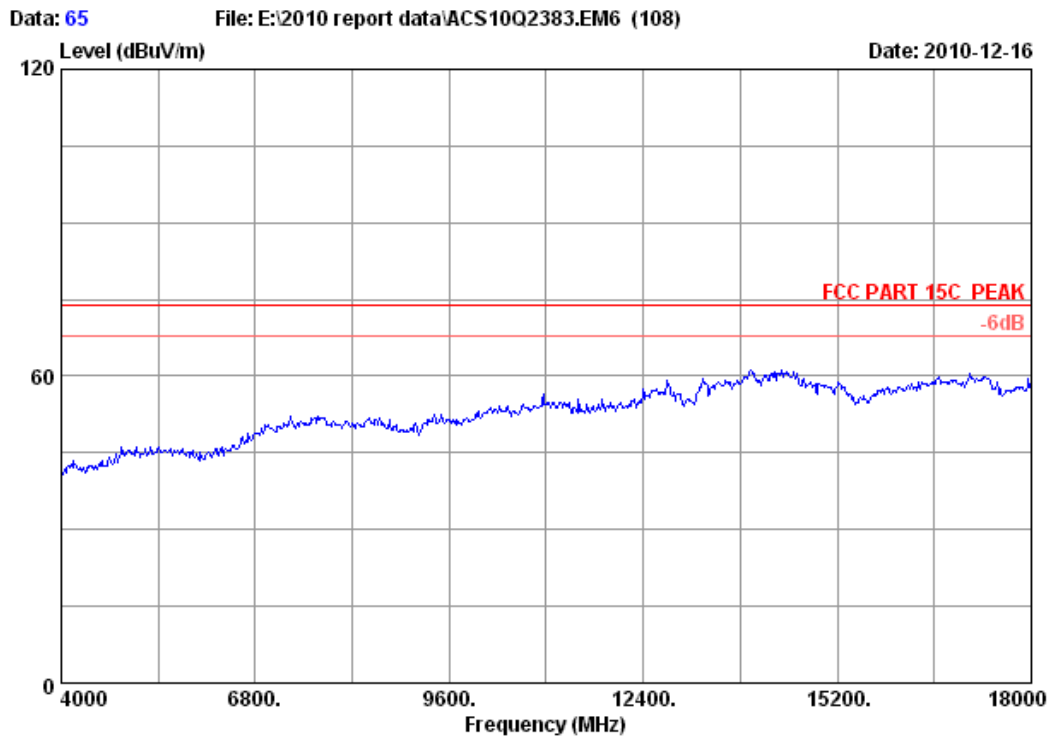


Site no. : RF Chamber Data no. : 64
 Dis. / Ant. : 3m 3115(0911) Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 23°C/54% Engineer : Paul Tian
 EUT : EZ Connect™ N 11n Wireless PCI Adapter
 Power : DC 3.3V From PC input AC 120V/60Hz
 Test mode : IEEE802.11n HT20 CH6 2437MHz
 M/N : SMCWPCI-N3

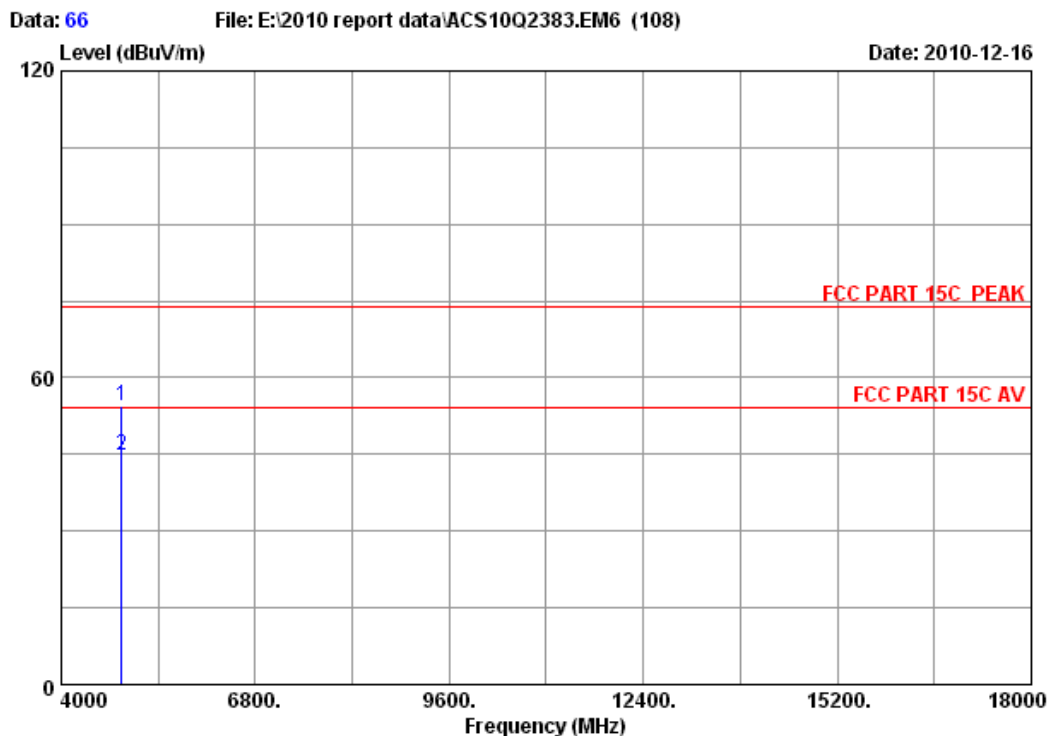
	Ant.	Cable	Amp.		Emission				
Freq.	Factor	loss	Factor	Reading	Level	Limits	Margin	Remark	
(MHz)	(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)		
1	1066.000	25.54	5.60	37.26	39.43	33.31	74.00	40.69	Peak
2	1984.000	29.11	7.87	36.06	42.91	43.83	74.00	30.17	Peak
3	2437.000	29.47	8.77	36.06	98.72	100.90	74.00	-26.90	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.	: RF Chamber	Data no. :	65
Dis. / Ant.	: 3m 3115(0911)	Ant. pol. :	HORIZONTAL
Limit	: FCC PART 15C PEAK		
Env. / Ins.	: 23°C/54%	Engineer :	Paul Tian
EUT	: EZ Connect™ N 11n Wireless PCI Adapter		
Power	: DC 3.3V From PC input AC 120V/60Hz		
Test mode	: IEEE802.11n HT20 CH6 2437MHz		
M/N	: SMCWPCI-N3		

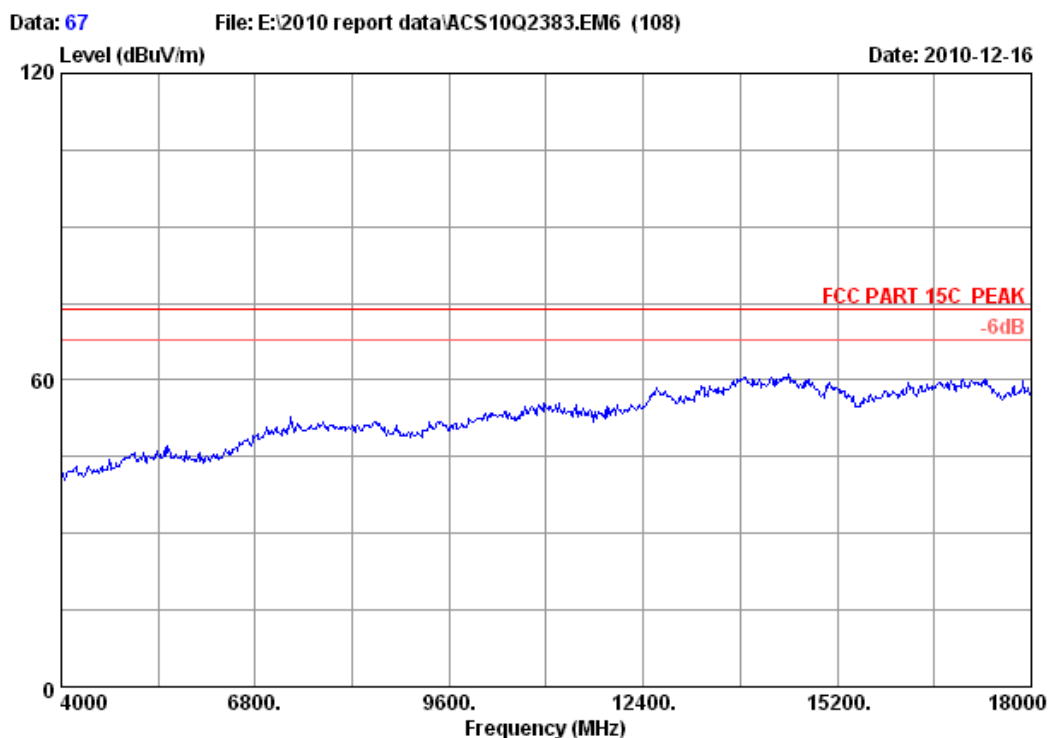


Site no. : RF Chamber Data no. : 66
 Dis. / Ant. : 3m 3115(0911) Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 23°C/54% Engineer : Paul Tian
 EUT : EZ Connect™ N 11n Wireless PCI Adapter
 Power : DC 3.3V From PC input AC 120V/60Hz
 Test mode : IEEE802.11n HT20 CH6 2437MHz
 M/N : SMCWPCI-N3

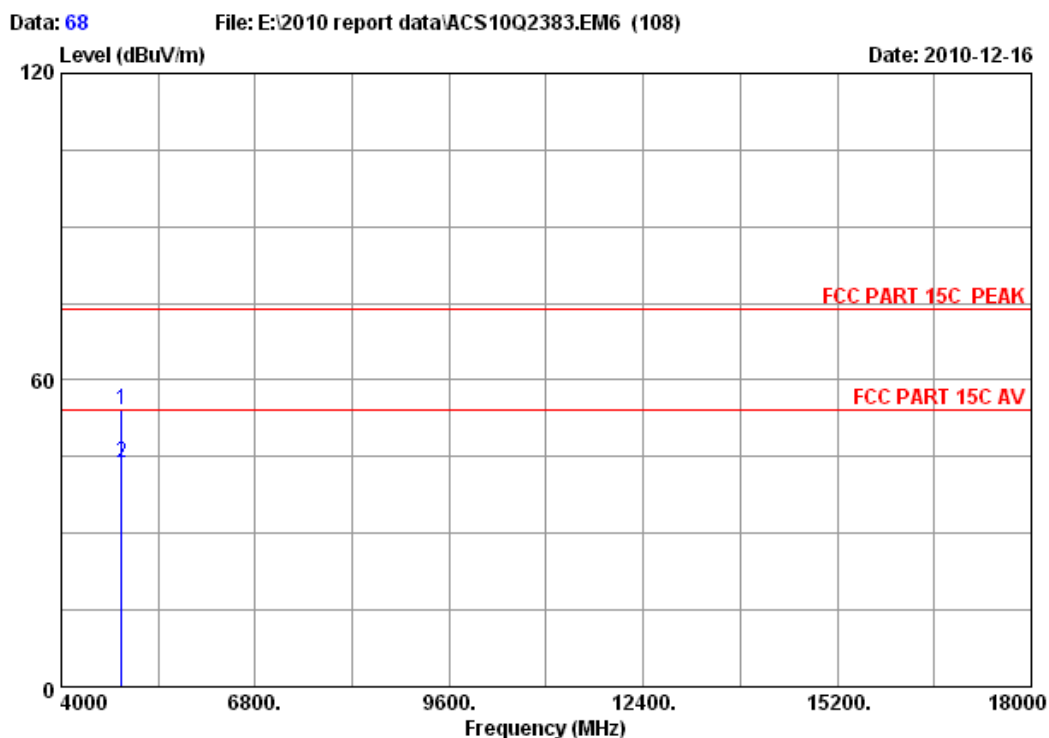
	Ant.	Cable	Amp.		Emission				
Freq.	Factor	loss	Factor	Reading	Level	Limits	Margin	Remark	
(MHz)	(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)		
1 4874.000	34.41	12.44	35.36	42.90	54.39	74.00	19.61	Peak	
2 4874.000	34.41	12.44	35.36	33.14	44.63	54.00	9.37	Average	

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.	: RF Chamber	Data no. :	67
Dis. / Ant.	: 3m 3115(0911)	Ant. pol. :	VERTICAL
Limit	: FCC PART 15C PEAK		
Env. / Ins.	: 23°C/54%	Engineer :	Paul Tian
EUT	: EZ Connect™ N 11n Wireless PCI Adapter		
Power	: DC 3.3V From PC input AC 120V/60Hz		
Test mode	: IEEE802.11n HT20 CH6 2437MHz		
M/N	: SMCWPCI-N3		

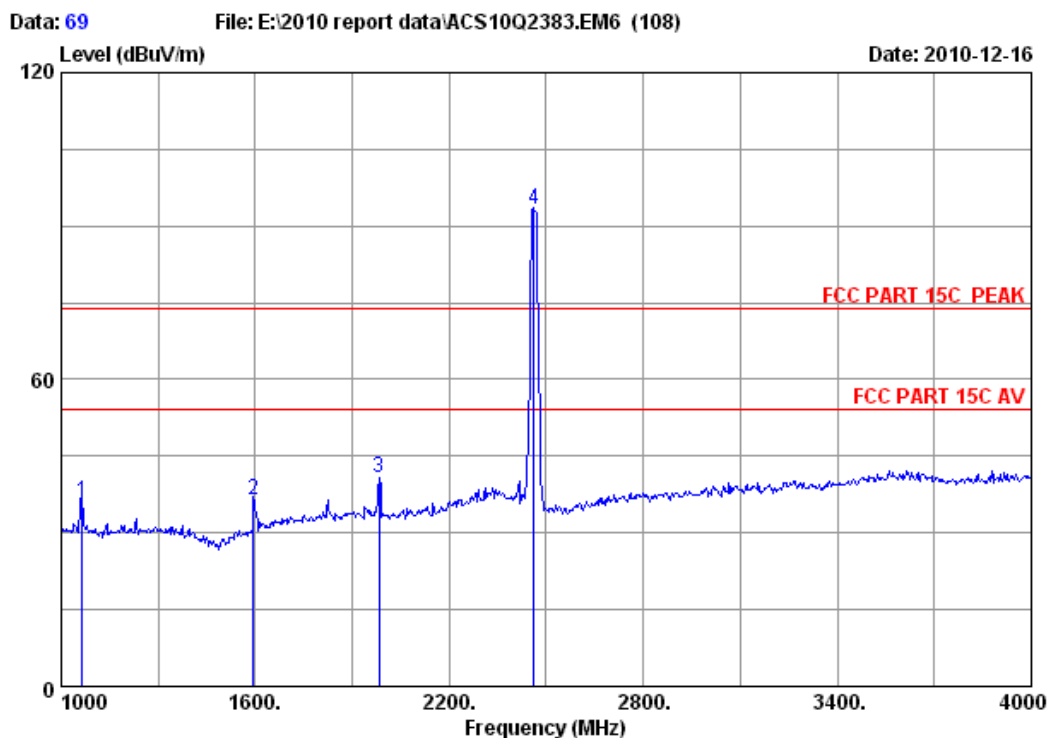


Site no. : RF Chamber Data no. : 68
 Dis. / Ant. : 3m 3115(0911) Ant. pol. : VERTICAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 23°C/54% Engineer : Paul Tian
 EUT : EZ Connect™ N 11n Wireless PCI Adapter
 Power : DC 3.3V From PC input AC 120V/60Hz
 Test mode : IEEE802.11n HT20 CH6 2437MHz
 M/N : SMCWPCI-N3

	Ant.	Cable	Amp.		Emission				
Freq.	Factor	loss	Factor	Reading	Level	Limits	Margin	Remark	
(MHz)	(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)		
1 4874.000	34.41	12.44	35.36	42.57	54.06	74.00	19.94	Peak	
2 4874.000	34.41	12.44	35.36	32.43	43.92	54.00	10.08	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.

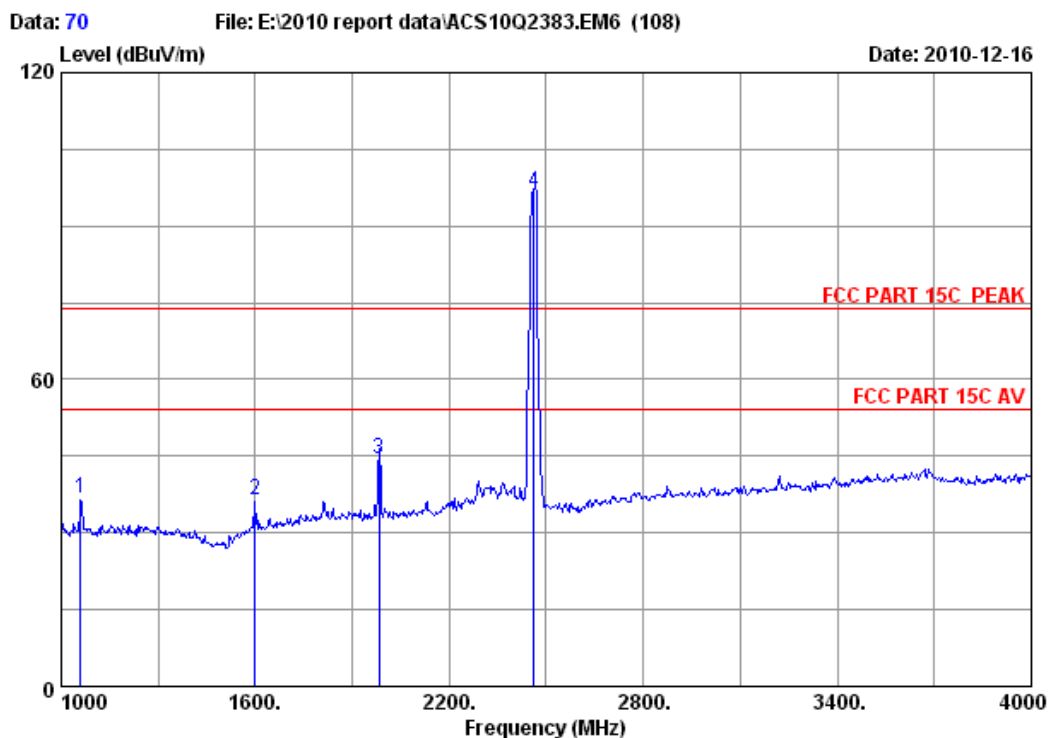


Site no. : RF Chamber Data no. : 69
 Dis. / Ant. : 3m 3115(0911) Ant. pol. : VERTICAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 23°C/54% Engineer : Paul Tian
 EUT : EZ Connect™ N 11n Wireless PCI Adapter
 Power : DC 3.3V From PC input AC 120V/60Hz
 Test mode : IEEE802.11n HT20 CH11 2462MHz
 M/N : SMCWPCI-N3

	Ant.	Cable	Amp.		Emission				
Freq.	Factor	loss	Factor	Reading	Level	Limits	Margin	Remark	
(MHz)	(dB/m)	(dB)	(dB)	(dBUV)	(dBUV/m)	(dBUV/m)	(dB)		
1	1066.000	25.54	5.60	37.26	42.28	36.16	74.00	37.84	Peak
2	1594.000	26.96	6.92	36.43	38.93	36.38	74.00	37.62	Peak
3	1984.000	29.11	7.87	36.06	39.97	40.89	74.00	33.11	Peak
4	2462.000	29.48	8.82	36.02	91.01	93.29	74.00	-19.29	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.

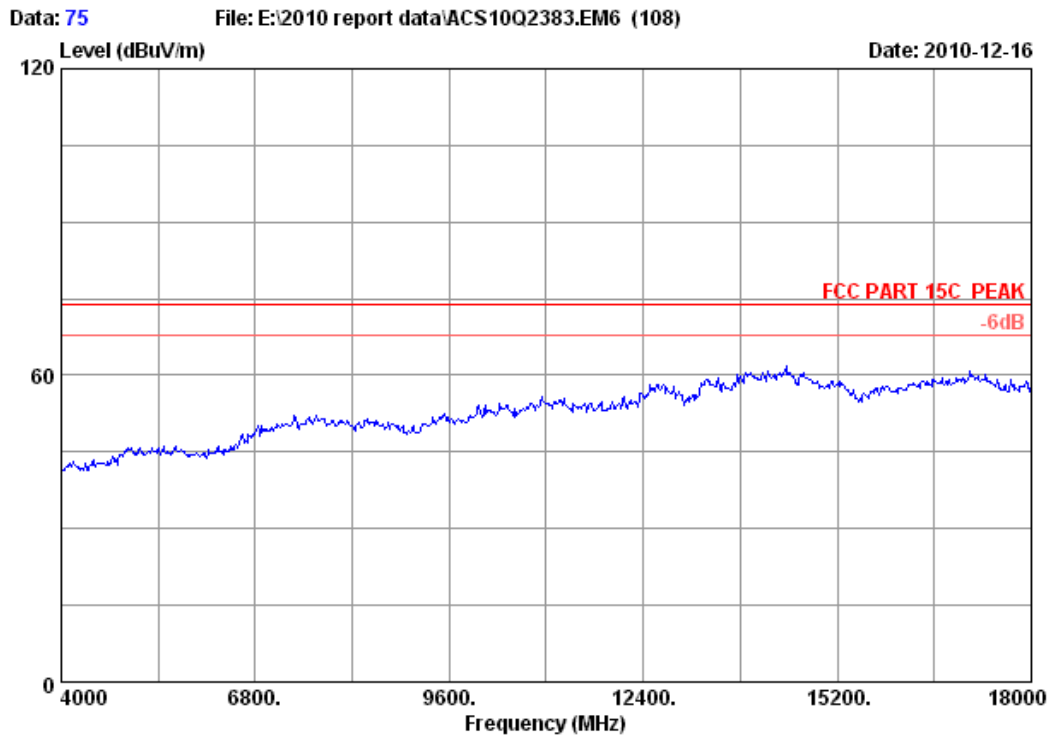


Site no. : RF Chamber Data no. : 70
 Dis. / Ant. : 3m 3115(0911) Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 23°C/54% Engineer : Paul Tian
 EUT : EZ Connect™ N 11n Wireless PCI Adapter
 Power : DC 3.3V From PC input AC 120V/60Hz
 Test mode : IEEE802.11n HT20 CH11 2462MHz
 M/N : SMCWPCI-N3

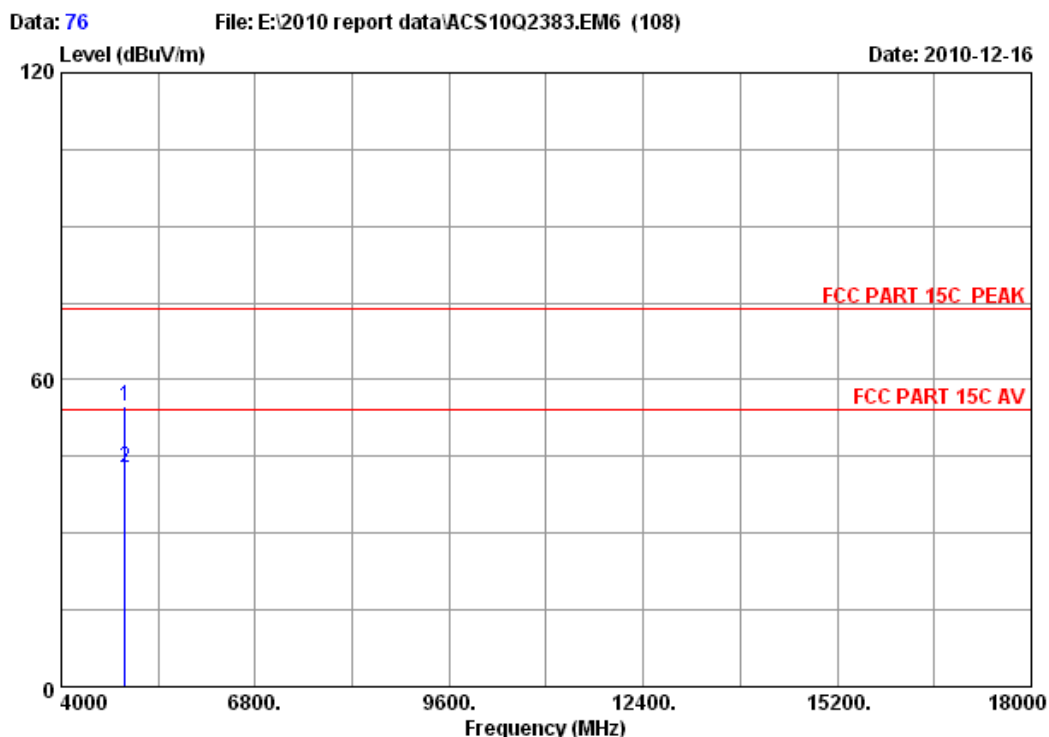
	Ant.	Cable	Amp.		Emission				
Freq.	Factor	loss	Factor	Reading	Level	Limits	Margin	Remark	
(MHz)	(dB/m)	(dB)	(dB)	(dBUV)	(dBUV/m)	(dBUV/m)	(dB)		
1	1060.000	25.54	5.60	37.26	42.82	36.70	74.00	37.30	Peak
2	1600.000	26.96	6.98	36.43	38.88	36.39	74.00	37.61	Peak
3	1984.000	29.11	7.87	36.06	43.56	44.48	74.00	29.52	Peak
4	2462.000	29.48	8.82	36.02	94.19	96.47	74.00	-22.47	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.	: RF Chamber	Data no. :	75
Dis. / Ant.	: 3m 3115(0911)	Ant. pol. :	VERTICAL
Limit	: FCC PART 15C PEAK		
Env. / Ins.	: 23°C/54%	Engineer :	Paul Tian
EUT	: EZ Connect™ N 11n Wireless PCI Adapter		
Power	: DC 3.3V From PC input AC 120V/60Hz		
Test mode	: IEEE802.11n HT20 CH11 2462MHz		
M/N	: SMCWPCI-N3		

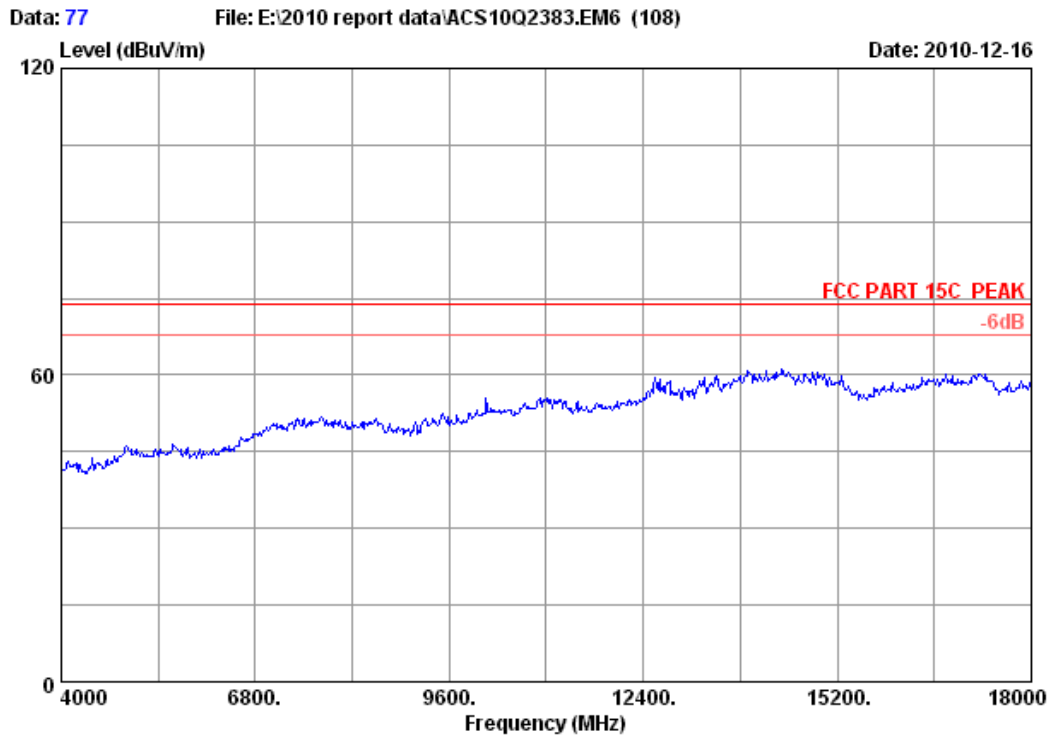


Site no. : RF Chamber Data no. : 76
 Dis. / Ant. : 3m 3115(0911) Ant. pol. : VERTICAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 23°C/54% Engineer : Paul Tian
 EUT : EZ Connect™ N 11n Wireless PCI Adapter
 Power : DC 3.3V From PC input AC 120V/60Hz
 Test mode : IEEE802.11n HT20 CH11 2462MHz
 M/N : SMCWPCI-N3

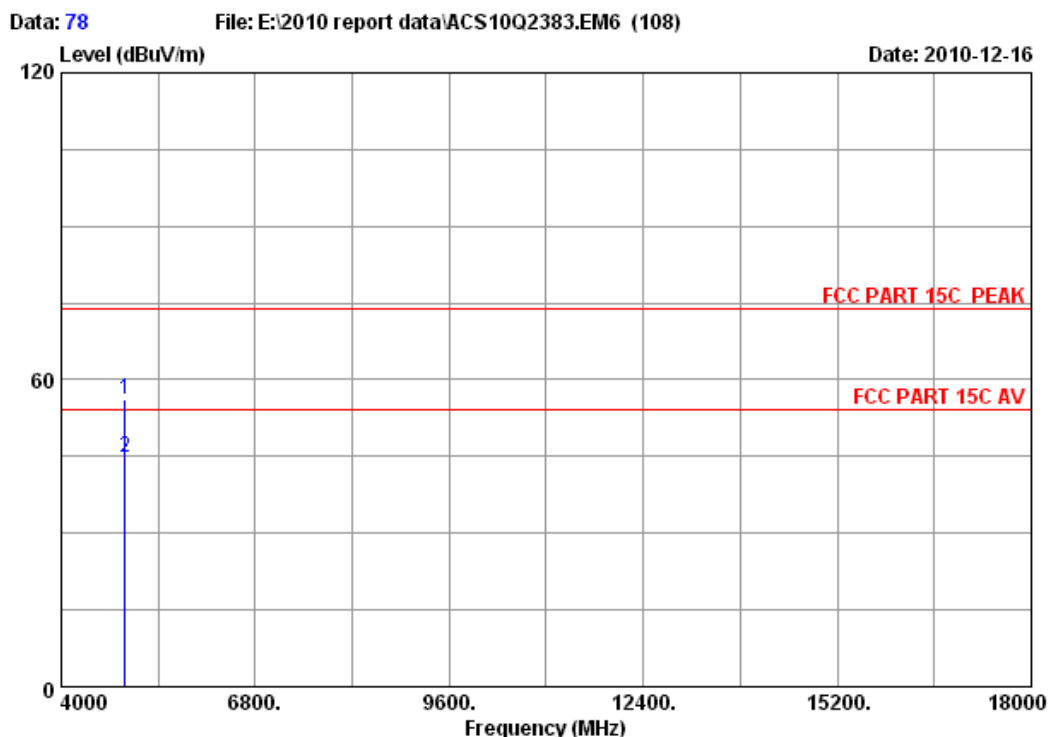
	Ant.	Cable	Amp.		Emission				
Freq.	Factor	loss	Factor	Reading	Level	Limits	Margin	Remark	
(MHz)	(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)		
1 4924.000	34.49	12.50	35.34	43.28	54.93	74.00	19.07	Peak	
2 4924.000	34.49	12.50	35.34	31.24	42.89	54.00	11.11	Average	

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.	: RF Chamber	Data no. :	77
Dis. / Ant.	: 3m 3115(0911)	Ant. pol. :	HORIZONTAL
Limit	: FCC PART 15C PEAK		
Env. / Ins.	: 23°C/54%	Engineer :	Paul Tian
EUT	: EZ Connect™ N 11n Wireless PCI Adapter		
Power	: DC 3.3V From PC input AC 120V/60Hz		
Test mode	: IEEE802.11n HT20 CH11 2462MHz		
M/N	: SMCWPCI-N3		

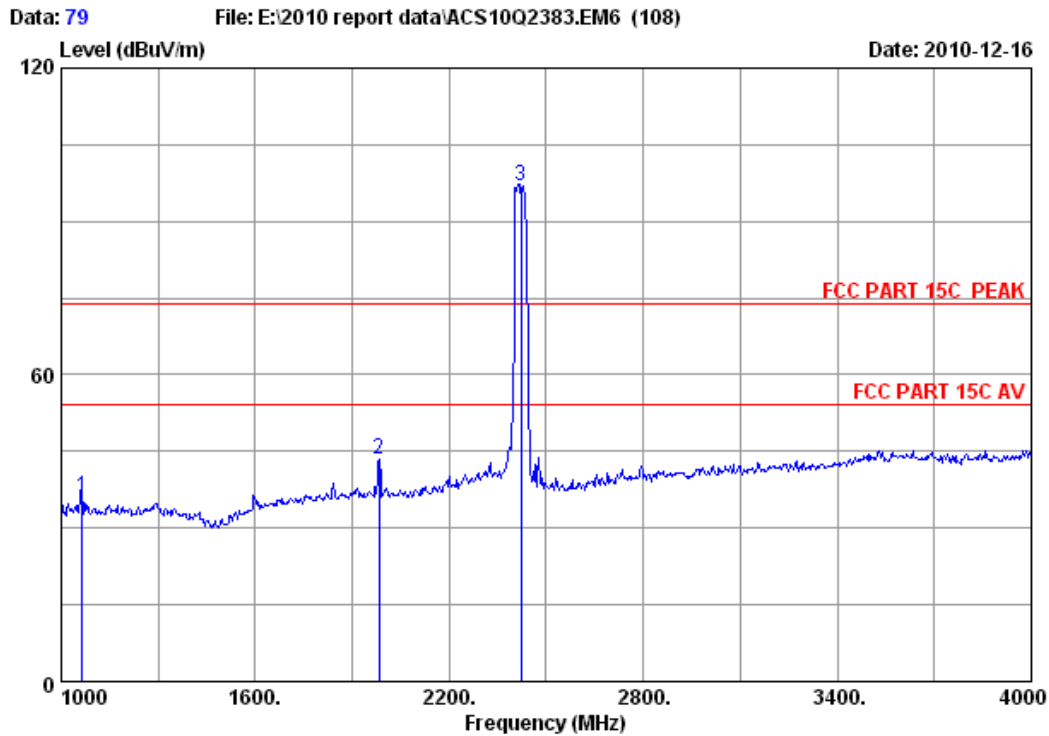


Site no. : RF Chamber Data no. : 78
 Dis. / Ant. : 3m 3115(0911) Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 23°C/54% Engineer : Paul Tian
 EUT : EZ Connect™ N 11n Wireless PCI Adapter
 Power : DC 3.3V From PC input AC 120V/60Hz
 Test mode : IEEE802.11n HT20 CH11 2462MHz
 M/N : SMCWPCI-N3

	Ant.	Cable	Amp.		Emission				
Freq.	Factor	loss	Factor	Reading	Level	Limits	Margin	Remark	
(MHz)	(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)		
1 4924.000	34.49	12.50	35.34	44.52	56.17	74.00	17.83	Peak	
2 4924.000	34.49	12.50	35.34	33.26	44.91	54.00	9.09	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.

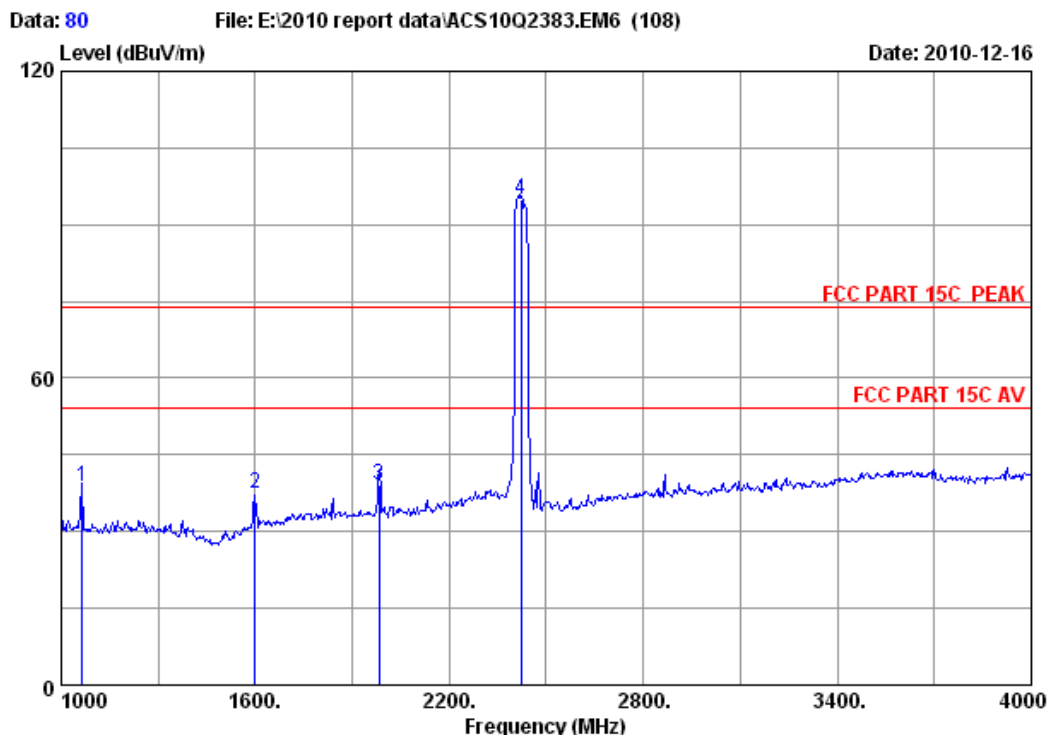


Site no. : RF Chamber Data no. : 79
 Dis. / Ant. : 3m 3115(0911) Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 23°C/54% Engineer : Paul Tian
 EUT : EZ Connect™ N 11n Wireless PCI Adapter
 Power : DC 3.3V From PC input AC 120V/60Hz
 Test mode : IEEE802.11n HT40 CH1 2422MHz
 M/N : SMCWPCI-N3

	Ant.	Cable	Amp.		Emission				
Freq.	Factor	loss	Factor	Reading	Level	Limits	Margin	Remark	
(MHz)	(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)		
1 1066.000	25.54	5.60	37.26	42.28	36.16	74.00	37.84	Peak	
2 1984.000	29.11	7.87	36.06	42.63	43.55	74.00	30.45	Peak	
3 2422.000	29.46	8.77	36.01	94.86	97.08	74.00	-23.08	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.

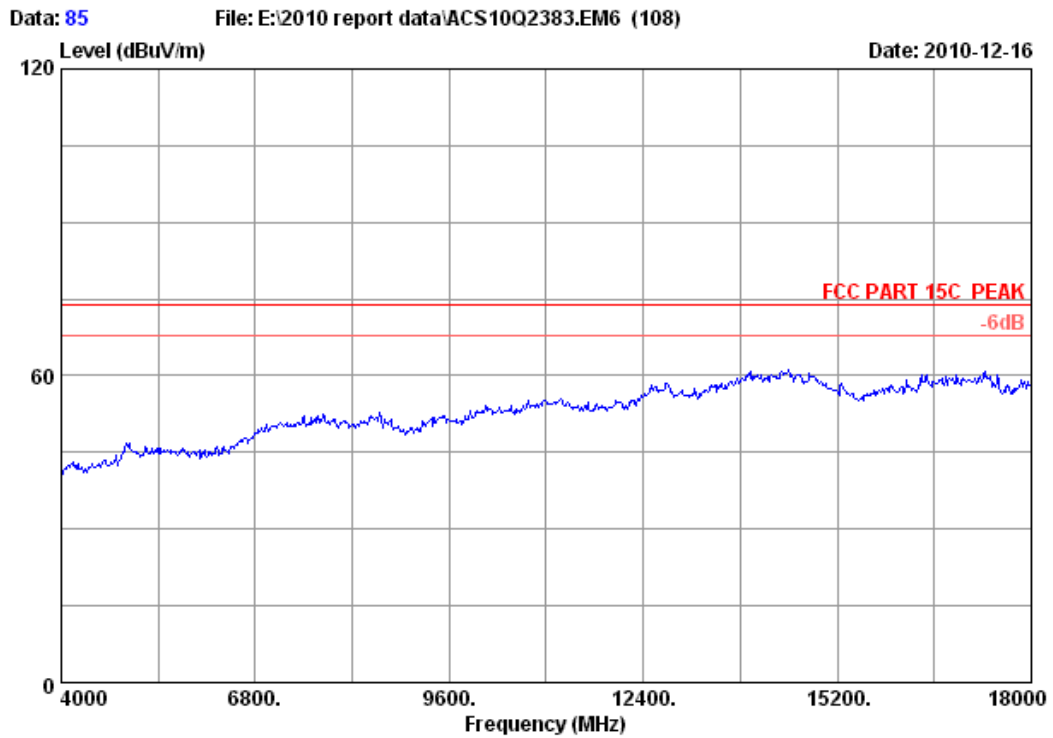


Site no. : RF Chamber Data no. : 80
 Dis. / Ant. : 3m 3115(0911) Ant. pol. : VERTICAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 23°C/54% Engineer : Paul Tian
 EUT : EZ Connect™ N 11n Wireless PCI Adapter
 Power : DC 3.3V From PC input AC 120V/60Hz
 Test mode : IEEE802.11n HT40 CH1 2422MHz
 M/N : SMCWPCI-N3

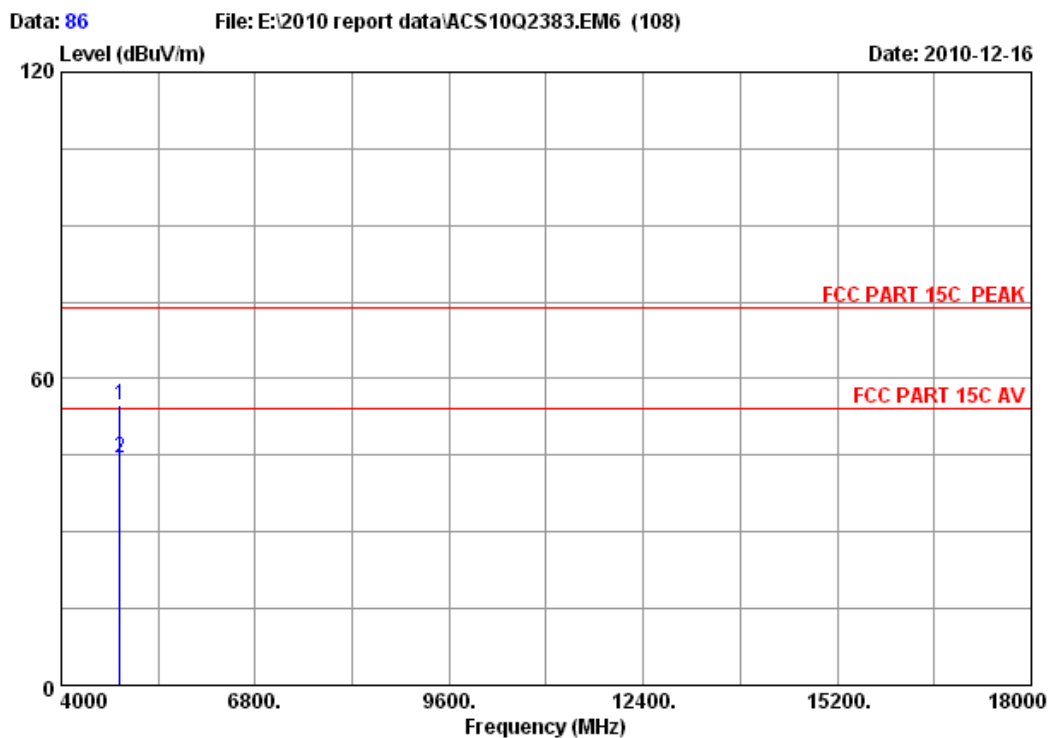
	Ant.	Cable	Amp.		Emission				
Freq.	Factor	loss	Factor	Reading	Level	Limits	Margin	Remark	
(MHz)	(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)		
1	1066.000	25.54	5.60	37.26	45.00	38.88	74.00	35.12	Peak
2	1600.000	26.96	6.98	36.43	39.98	37.49	74.00	36.51	Peak
3	1984.000	29.11	7.87	36.06	38.32	39.24	74.00	34.76	Peak
4	2422.000	29.46	8.77	36.01	92.54	94.76	74.00	-20.76	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.	: RF Chamber	Data no. :	85
Dis. / Ant.	: 3m 3115(0911)	Ant. pol. :	HORIZONTAL
Limit	: FCC PART 15C PEAK		
Env. / Ins.	: 23°C/54%	Engineer :	Paul Tian
EUT	: EZ Connect™ N 11n Wireless PCI Adapter		
Power	: DC 3.3V From PC input AC 120V/60Hz		
Test mode	: IEEE802.11n HT40 CH1 2422MHz		
M/N	: SMCWPCI-N3		

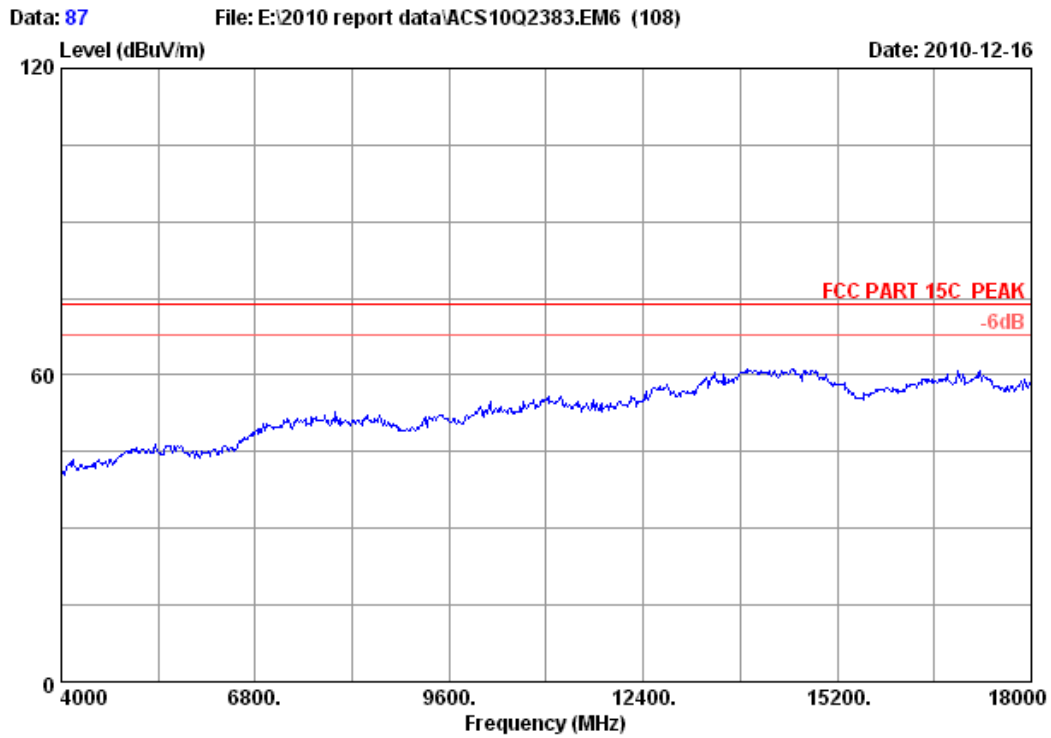


Site no. : RF Chamber Data no. : 86
 Dis. / Ant. : 3m 3115(0911) Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 23°C/54% Engineer : Paul Tian
 EUT : EZ Connect™ N 11n Wireless PCI Adapter
 Power : DC 3.3V From PC input AC 120V/60Hz
 Test mode : IEEE802.11n HT40 CH1 2422MHz
 M/N : SMCWPCI-N3

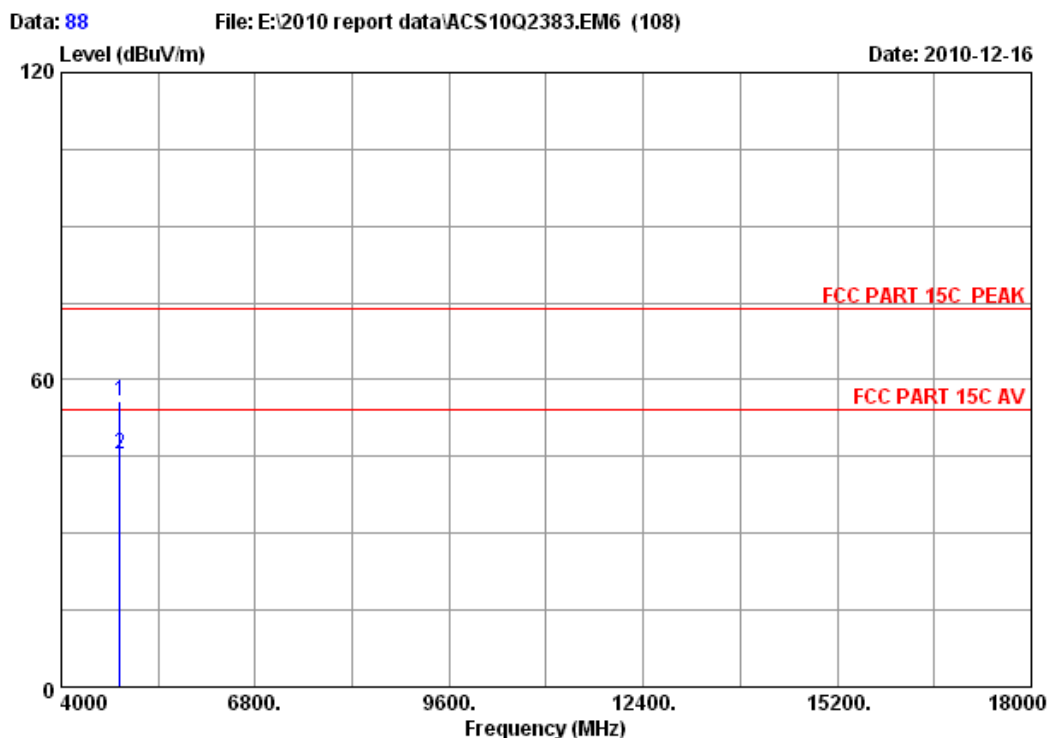
	Ant.	Cable	Amp.		Emission				
	Freq.	Factor	loss	Factor	Reading	Level	Limits	Margin	Remark
	(MHz)	(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)	
1	4844.000	34.35	12.38	35.25	43.21	54.69	74.00	19.31	Peak
2	4844.000	34.35	12.38	35.25	33.00	44.48	54.00	9.52	Average

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.	: RF Chamber	Data no. :	87
Dis. / Ant.	: 3m 3115(0911)	Ant. pol. :	VERTICAL
Limit	: FCC PART 15C PEAK		
Env. / Ins.	: 23°C/54%	Engineer :	Paul Tian
EUT	: EZ Connect™ N 11n Wireless PCI Adapter		
Power	: DC 3.3V From PC input AC 120V/60Hz		
Test mode	: IEEE802.11n HT40 CH1 2422MHz		
M/N	: SMCWPCI-N3		

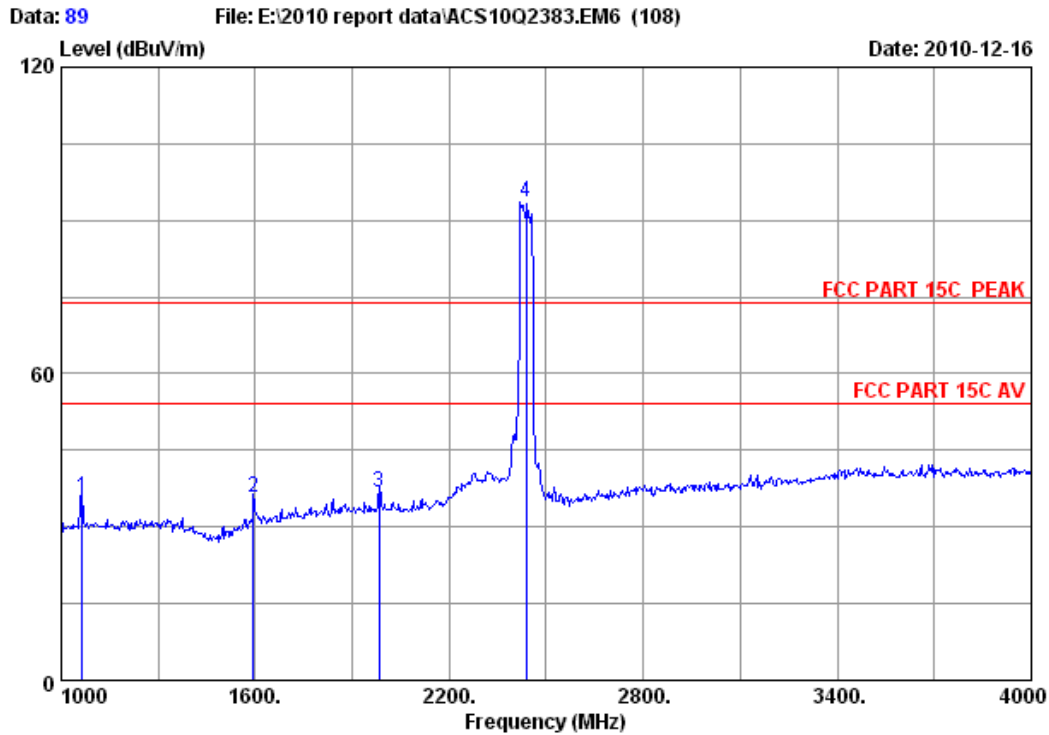


Site no. : RF Chamber Data no. : 88
 Dis. / Ant. : 3m 3115(0911) Ant. pol. : VERTICAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 23°C/54% Engineer : Paul Tian
 EUT : EZ Connect™ N 11n Wireless PCI Adapter
 Power : DC 3.3V From PC input AC 120V/60Hz
 Test mode : IEEE802.11n HT40 CH1 2422MHz
 M/N : SMCWPCI-N3

		Ant.	Cable	Amp.		Emission			
	Freq.	Factor	loss	Factor	Reading	Level	Limits	Margin	Remark
	(MHz)	(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)	
1	4844.000	34.35	12.38	35.25	44.44	55.92	74.00	18.08	Peak
2	4844.000	34.35	12.38	35.25	34.06	45.54	54.00	8.46	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.

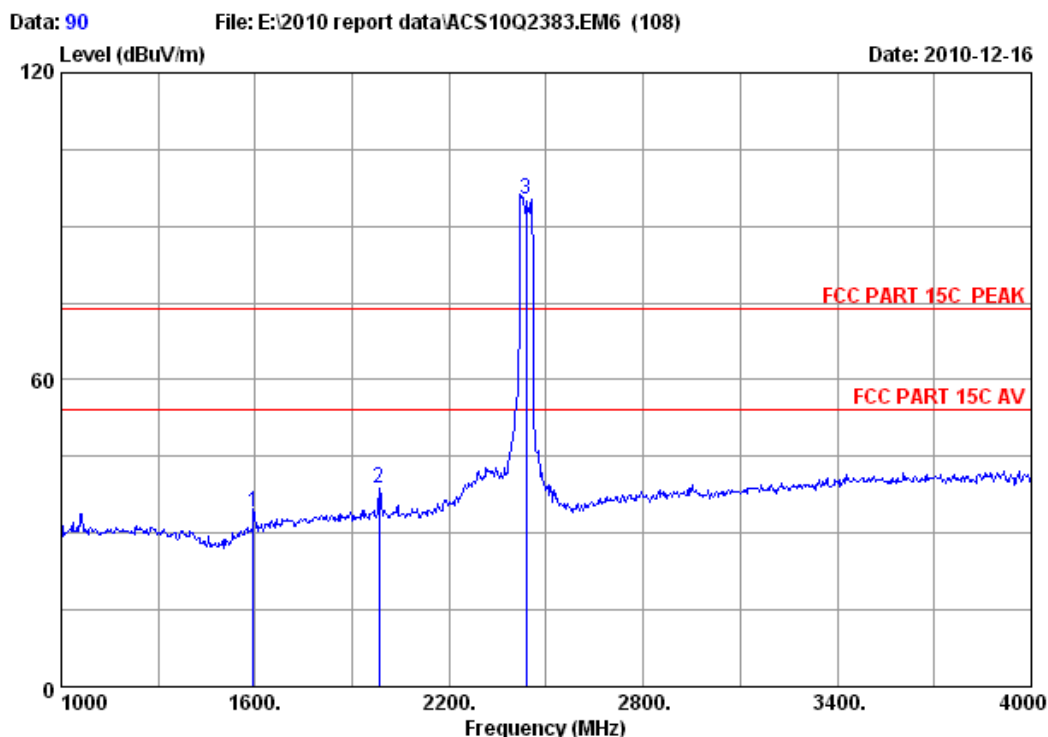


Site no. : RF Chamber Data no. : 89
 Dis. / Ant. : 3m 3115(0911) Ant. pol. : VERTICAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 23°C/54% Engineer : Paul Tian
 EUT : EZ Connect™ N 11n Wireless PCI Adapter
 Power : DC 3.3V From PC input AC 120V/60Hz
 Test mode : IEEE802.11n HT40 CH4 2437MHz
 M/N : SMCWPCI-N3

	Ant.	Cable	Amp.		Emission				
Freq.	Factor	loss	Factor	Reading	Level	Limits	Margin	Remark	
(MHz)	(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)		
1	1066.000	25.54	5.60	37.26	41.90	35.78	74.00	38.22	Peak
2	1594.000	26.96	6.92	36.43	38.23	35.68	74.00	38.32	Peak
3	1984.000	29.11	7.87	36.06	35.79	36.71	74.00	37.29	Peak
4	2437.000	29.47	8.77	36.06	91.37	93.55	74.00	-19.55	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.

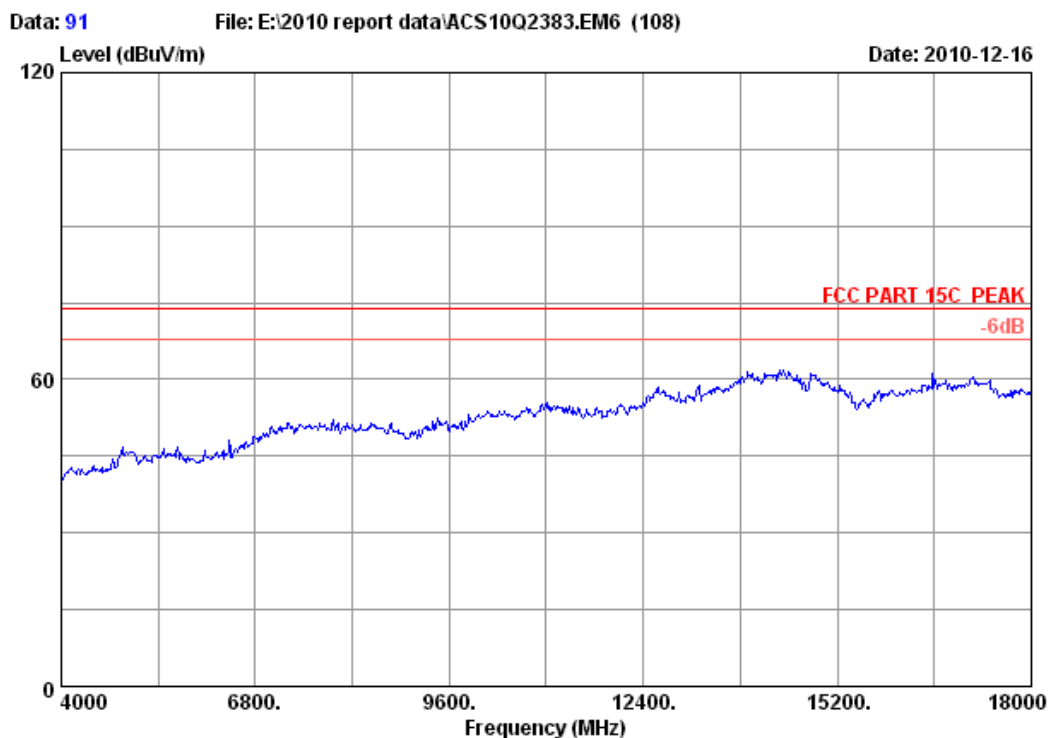


Site no. : RF Chamber Data no. : 90
 Dis. / Ant. : 3m 3115(0911) Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 23°C/54% Engineer : Paul Tian
 EUT : EZ Connect™ N 11n Wireless PCI Adapter
 Power : DC 3.3V From PC input AC 120V/60Hz
 Test mode : IEEE802.11n HT40 CH4 2437MHz
 M/N : SMCWPCI-N3

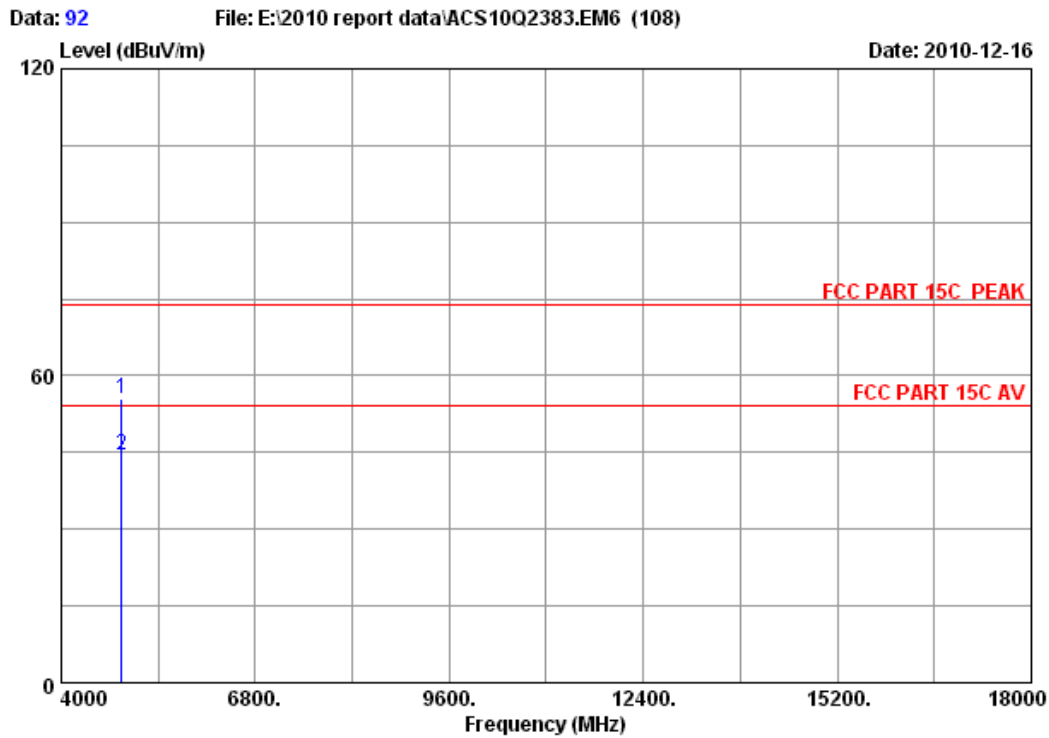
	Ant.	Cable	Amp.		Emission				
Freq.	Factor	loss	Factor	Reading	Level	Limits	Margin	Remark	
(MHz)	(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)		
1 1594.000	26.96	6.92	36.43	36.49	33.94	74.00	40.06	Peak	
2 1984.000	29.11	7.87	36.06	37.70	38.62	74.00	35.38	Peak	
3 2437.000	29.47	8.77	36.06	92.93	95.11	74.00	-21.11	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.	: RF Chamber	Data no. :	91
Dis. / Ant.	: 3m 3115(0911)	Ant. pol. :	HORIZONTAL
Limit	: FCC PART 15C PEAK		
Env. / Ins.	: 23°C/54%	Engineer :	Paul Tian
EUT	: EZ Connect™ N 11n Wireless PCI Adapter		
Power	: DC 3.3V From PC input AC 120V/60Hz		
Test mode	: IEEE802.11n HT40 CH4 2437MHz		
M/N	: SMCWPCI-N3		

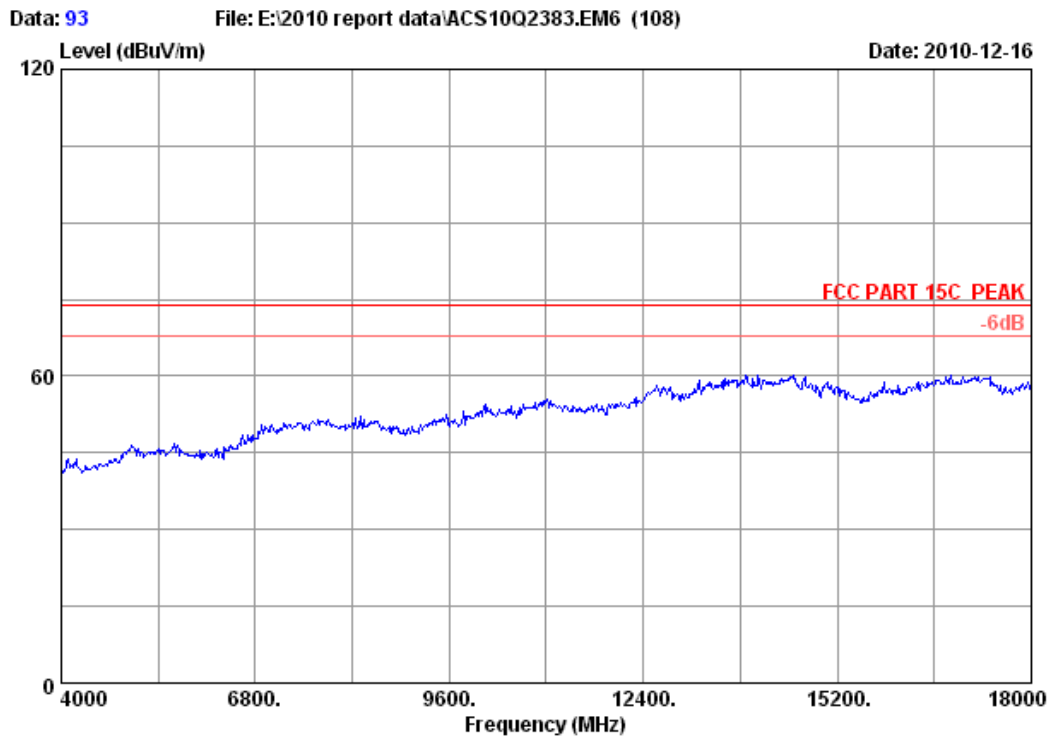


Site no. : RF Chamber Data no. : 92
 Dis. / Ant. : 3m 3115(0911) Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 23°C/54% Engineer : Paul Tian
 EUT : EZ Connect™ N 11n Wireless PCI Adapter
 Power : DC 3.3V From PC input AC 120V/60Hz
 Test mode : IEEE802.11n HT40 CH4 2437MHz
 M/N : SMCWPCI-N3

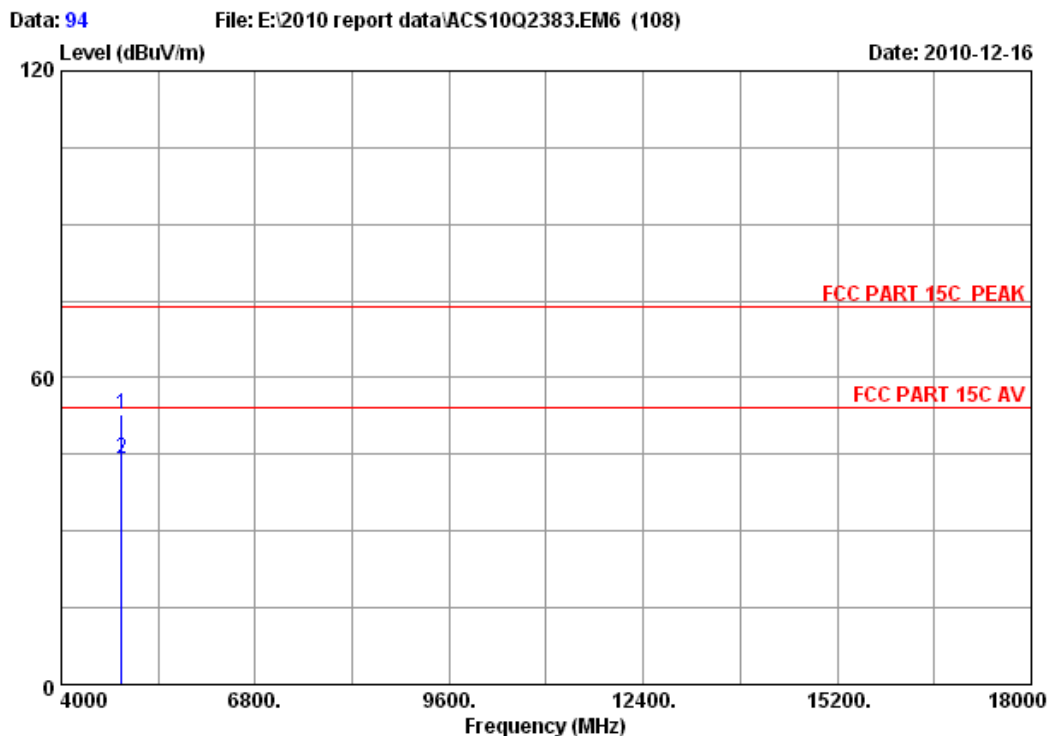
	Ant.	Cable	Amp.		Emission				
Freq.	Factor	loss	Factor	Reading	Level	Limits	Margin	Remark	
(MHz)	(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)		
1 4874.000	34.41	12.44	35.36	44.02	55.51	74.00	18.49	Peak	
2 4874.000	34.41	12.44	35.36	32.90	44.39	54.00	9.61	Average	

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.	: RF Chamber	Data no. :	93
Dis. / Ant.	: 3m 3115(0911)	Ant. pol. :	VERTICAL
Limit	: FCC PART 15C PEAK		
Env. / Ins.	: 23°C/54%	Engineer :	Paul Tian
EUT	: EZ Connect™ N 11n Wireless PCI Adapter		
Power	: DC 3.3V From PC input AC 120V/60Hz		
Test mode	: IEEE802.11n HT40 CH4 2437MHz		
M/N	: SMCWPCI-N3		

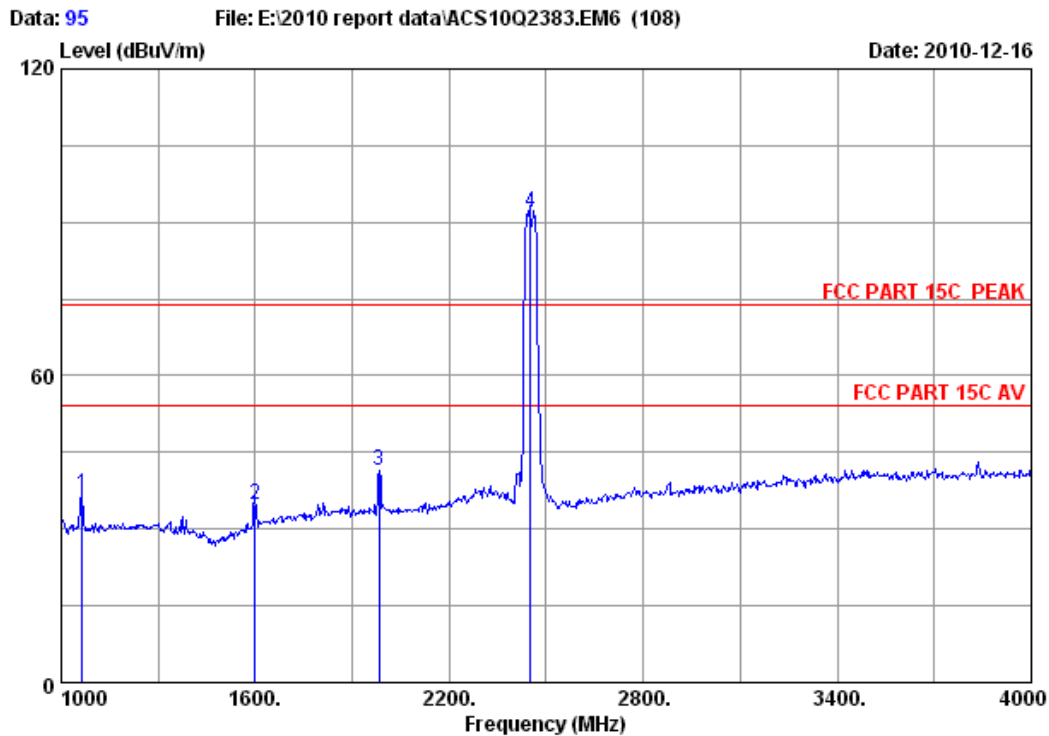


Site no. : RF Chamber Data no. : 94
 Dis. / Ant. : 3m 3115(0911) Ant. pol. : VERTICAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 23°C/54% Engineer : Paul Tian
 EUT : EZ Connect™ N 11n Wireless PCI Adapter
 Power : DC 3.3V From PC input AC 120V/60Hz
 Test mode : IEEE802.11n HT40 CH4 2437MHz
 M/N : SMCWPCI-N3

		Ant.	Cable	Amp.		Emission			
	Freq.	Factor	loss	Factor	Reading	Level	Limits	Margin	Remark
	(MHz)	(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)	
1	4874.000	34.41	12.44	35.36	41.40	52.89	74.00	21.11	Peak
2	4874.000	34.41	12.44	35.36	32.51	44.00	54.00	10.00	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.

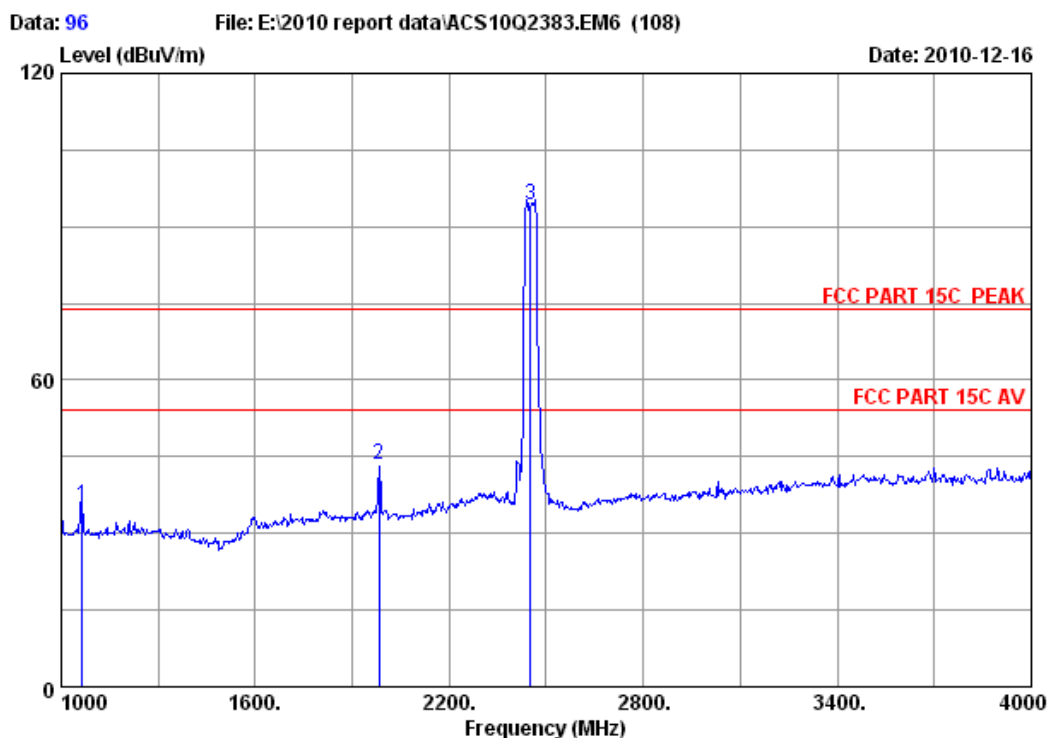


Site no. : RF Chamber Data no. : 95
 Dis. / Ant. : 3m 3115(0911) Ant. pol. : VERTICAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 23°C/54% Engineer : Paul Tian
 EUT : EZ Connect™ N 11n Wireless PCI Adapter
 Power : DC 3.3V From PC input AC 120V/60Hz
 Test mode : IEEE802.11n HT40 CH7 2452MHz
 M/N : SMCWPCI-N3

		Ant.	Cable	Amp.		Emission			
	Freq.	Factor	loss	Factor	Reading	Level	Limits	Margin	Remark
	(MHz)	(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)	
1	1066.000	25.54	5.60	37.26	42.76	36.64	74.00	37.36	Peak
2	1600.000	26.96	6.98	36.43	37.24	34.75	74.00	39.25	Peak
3	1984.000	29.11	7.87	36.06	40.57	41.49	74.00	32.51	Peak
4	2452.000	29.47	8.82	36.06	89.82	92.05	74.00	-18.05	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.

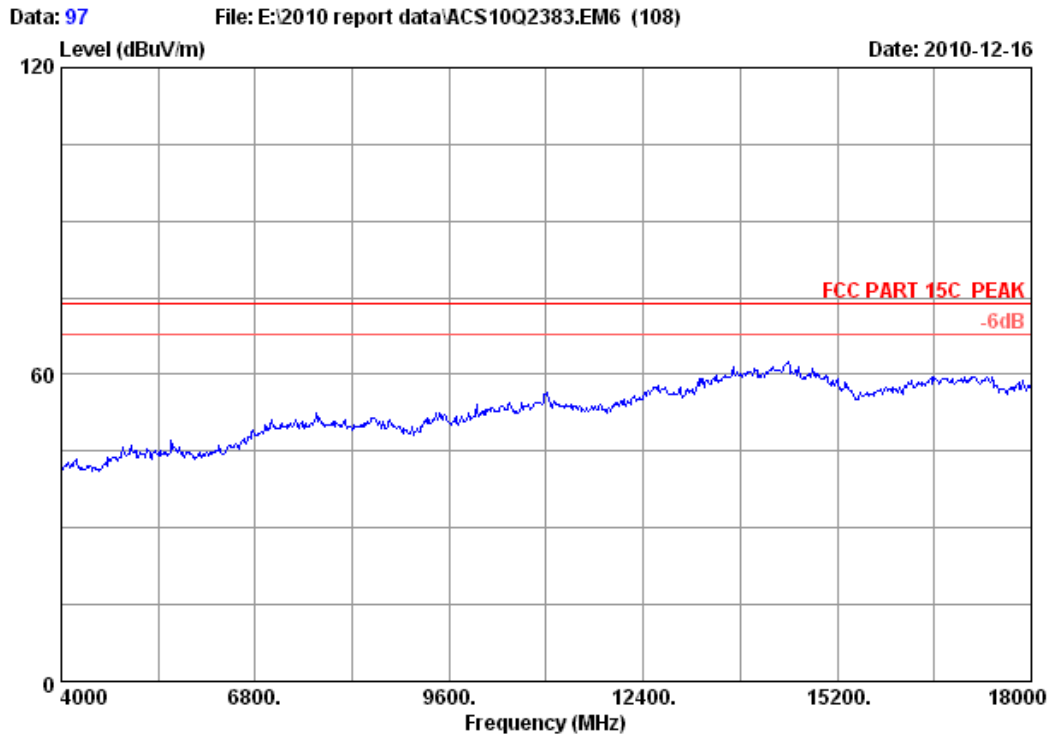


Site no. : RF Chamber Data no. : 96
 Dis. / Ant. : 3m 3115(0911) Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 23°C/54% Engineer : Paul Tian
 EUT : EZ Connect™ N 11n Wireless PCI Adapter
 Power : DC 3.3V From PC input AC 120V/60Hz
 Test mode : IEEE802.11n HT40 CH7 2452MHz
 M/N : SMCWPCI-N3

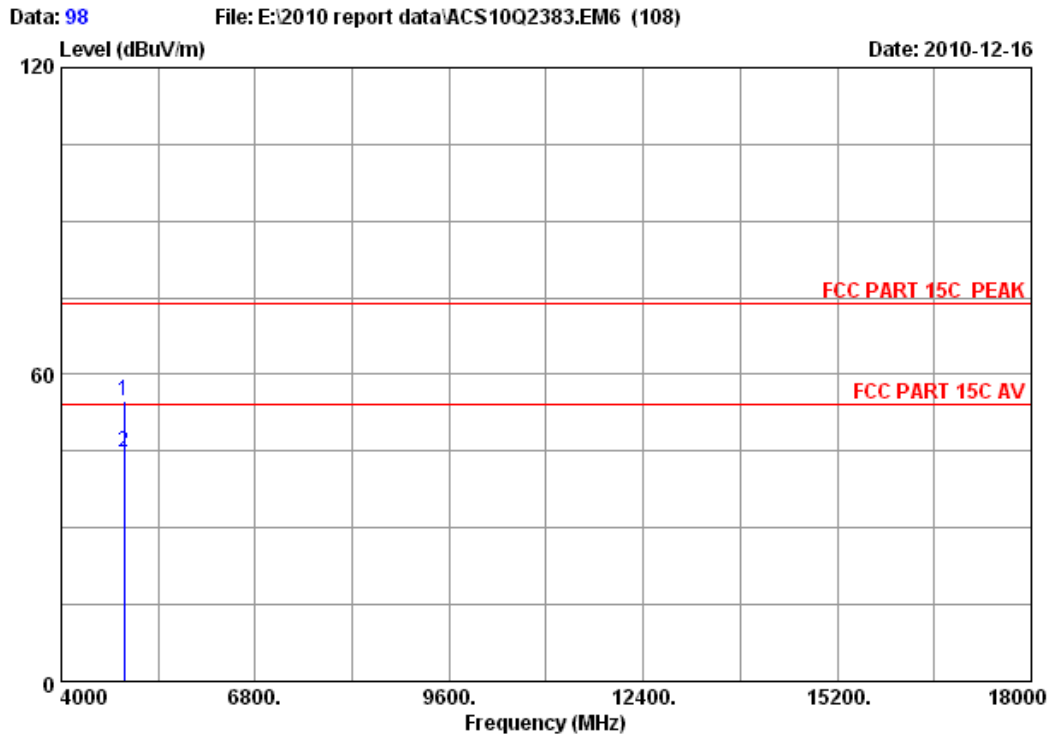
	Ant.	Cable	Amp.		Emission				
Freq.	Factor	loss	Factor	Reading	Level	Limits	Margin	Remark	
(MHz)	(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)		
1	1066.000	25.54	5.60	37.26	41.43	35.31	74.00	38.69	Peak
2	1984.000	29.11	7.87	36.06	42.66	43.58	74.00	30.42	Peak
3	2452.000	29.47	8.82	36.06	91.96	94.19	74.00	-20.19	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.	: RF Chamber	Data no. :	97
Dis. / Ant.	: 3m 3115(0911)	Ant. pol. :	HORIZONTAL
Limit	: FCC PART 15C PEAK		
Env. / Ins.	: 23°C/54%	Engineer :	Paul Tian
EUT	: EZ Connect™ N 11n Wireless PCI Adapter		
Power	: DC 3.3V From PC input AC 120V/60Hz		
Test mode	: IEEE802.11n HT40 CH7 2452MHz		
M/N	: SMCWPCI-N3		

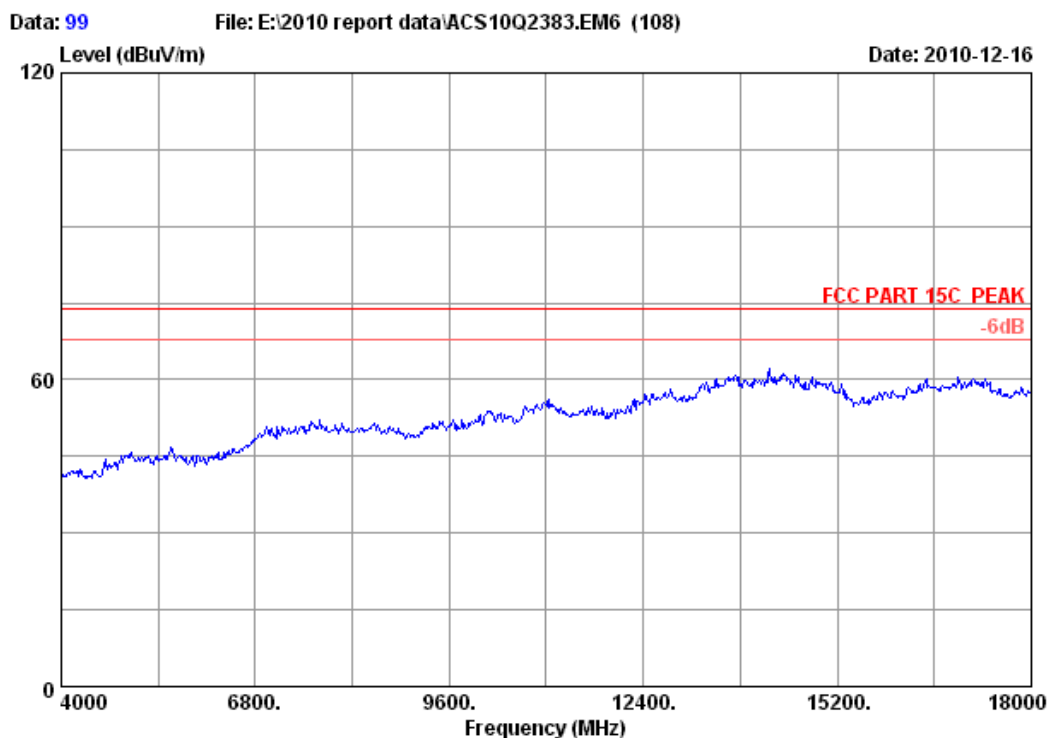


Site no. : RF Chamber Data no. : 98
 Dis. / Ant. : 3m 3115(0911) Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 23°C/54% Engineer : Paul Tian
 EUT : EZ Connect™ N 11n Wireless PCI Adapter
 Power : DC 3.3V From PC input AC 120V/60Hz
 Test mode : IEEE802.11n HT40 CH7 2452MHz
 M/N : SMCWPCI-N3

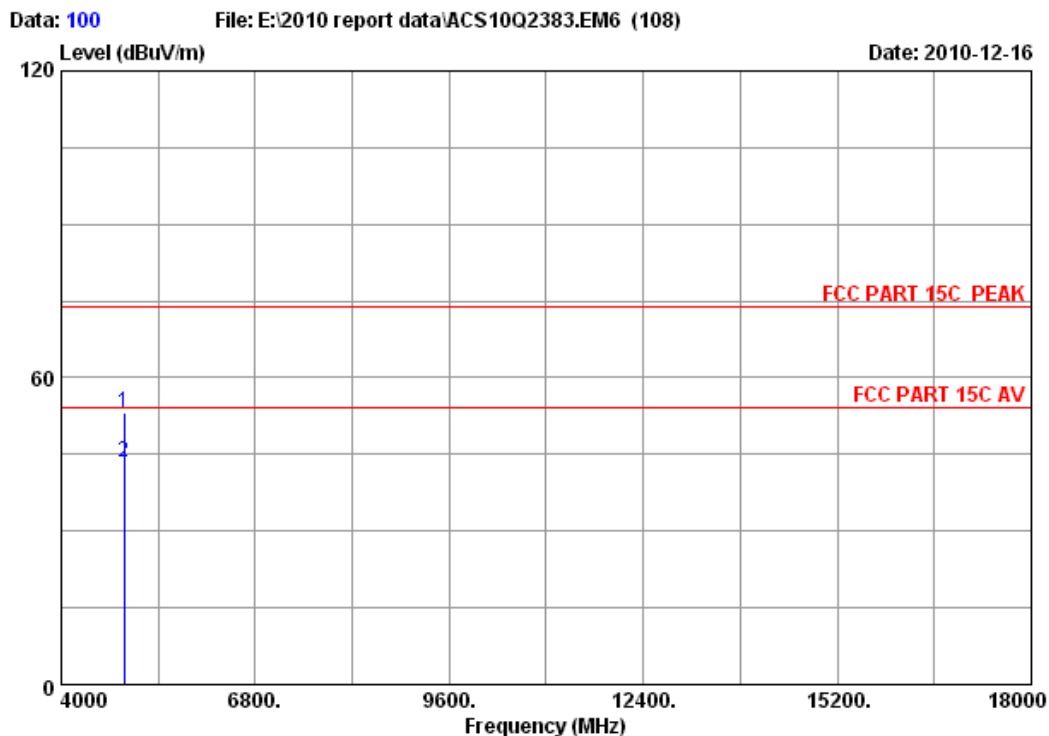
	Ant.	Cable	Amp.		Emission				
Freq.	Factor	loss	Factor	Reading	Level	Limits	Margin	Remark	
(MHz)	(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)		
1 4904.000	34.46	12.47	35.27	43.10	54.76	74.00	19.24	Peak	
2 4904.000	34.46	12.47	35.27	32.99	44.65	54.00	9.35	Average	

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.	: RF Chamber	Data no. :	99
Dis. / Ant.	: 3m 3115(0911)	Ant. pol. :	VERTICAL
Limit	: FCC PART 15C PEAK		
Env. / Ins.	: 23°C/54%	Engineer :	Paul Tian
EUT	: EZ Connect™ N 11n Wireless PCI Adapter		
Power	: DC 3.3V From PC input AC 120V/60Hz		
Test mode	: IEEE802.11n HT40 CH7 2452MHz		
M/N	: SMCWPCI-N3		



Site no. : RF Chamber Data no. : 100
 Dis. / Ant. : 3m 3115(0911) Ant. pol. : VERTICAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 23°C/54% Engineer : Paul Tian
 EUT : EZ Connect™ N 11n Wireless PCI Adapter
 Power : DC 3.3V From PC input AC 120V/60Hz
 Test mode : IEEE802.11n HT40 CH7 2452MHz
 M/N : SMCWPCI-N3

		Ant.	Cable	Amp.		Emission			
	Freq.	Factor	loss	Factor	Reading	Level	Limits	Margin	Remark
	(MHz)	(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)	
1	4904.000	34.46	12.47	35.27	41.49	53.15	74.00	20.85	Peak
2	4904.000	34.46	12.47	35.27	31.89	43.55	54.00	10.45	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	May.08,10	1 Year
2.	Attenuator	Agilent	8491B	MY39262165	May.08,10	1 Year
3.	RF Cable	Hubersuhner	SUCOFLEX102	28618/2	May.08,10	1 Year

5.2. Limit

In any 100kHz bandwidth outside the frequency bands in which the spread spectrum intentional radiator is 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

EUT: EZ Connect™ N 11n Wireless PCI Adapter		
M/N: SMCWPCI-N3		
Test date: 2010-12-16	Pressure: 101.3kpa	Humidity: 61 %
Tested by: Paul Tian	Test site: RF site	Temperature: 25°C

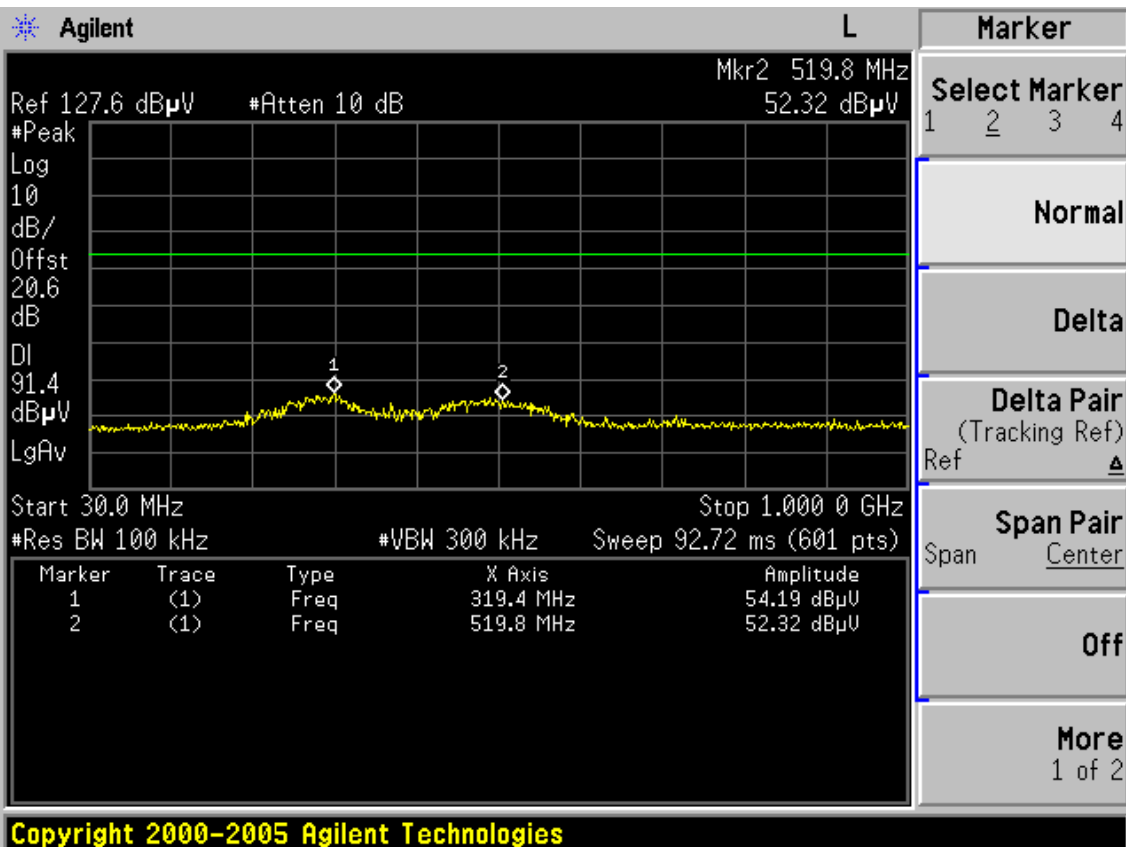
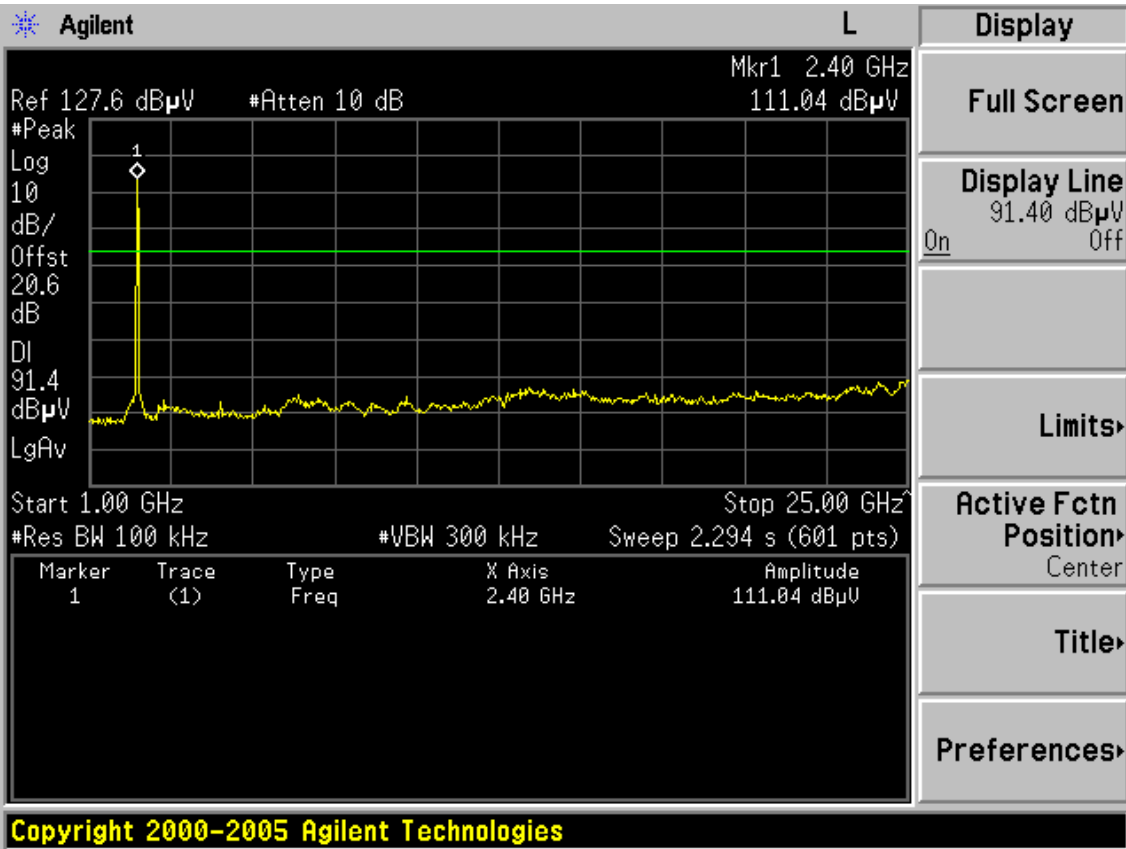
Cable loss: 0.6dB		Attenuator loss: 20dB	Antenna Gain: 2.0dBi
Test Mode	CH	Result	
		Chain 0	Chain 1
11b	CH1	PASS	PASS
	CH6	PASS	PASS
	CH11	PASS	PASS
11g	CH1	PASS	PASS
	CH6	PASS	PASS
	CH11	PASS	PASS
11n HT20	CH1	PASS	PASS
	CH6	PASS	PASS
	CH11	PASS	PASS
11n HT40	CH1	PASS	PASS
	CH4	PASS	PASS
	CH7	PASS	PASS
Note: See below original test data.			

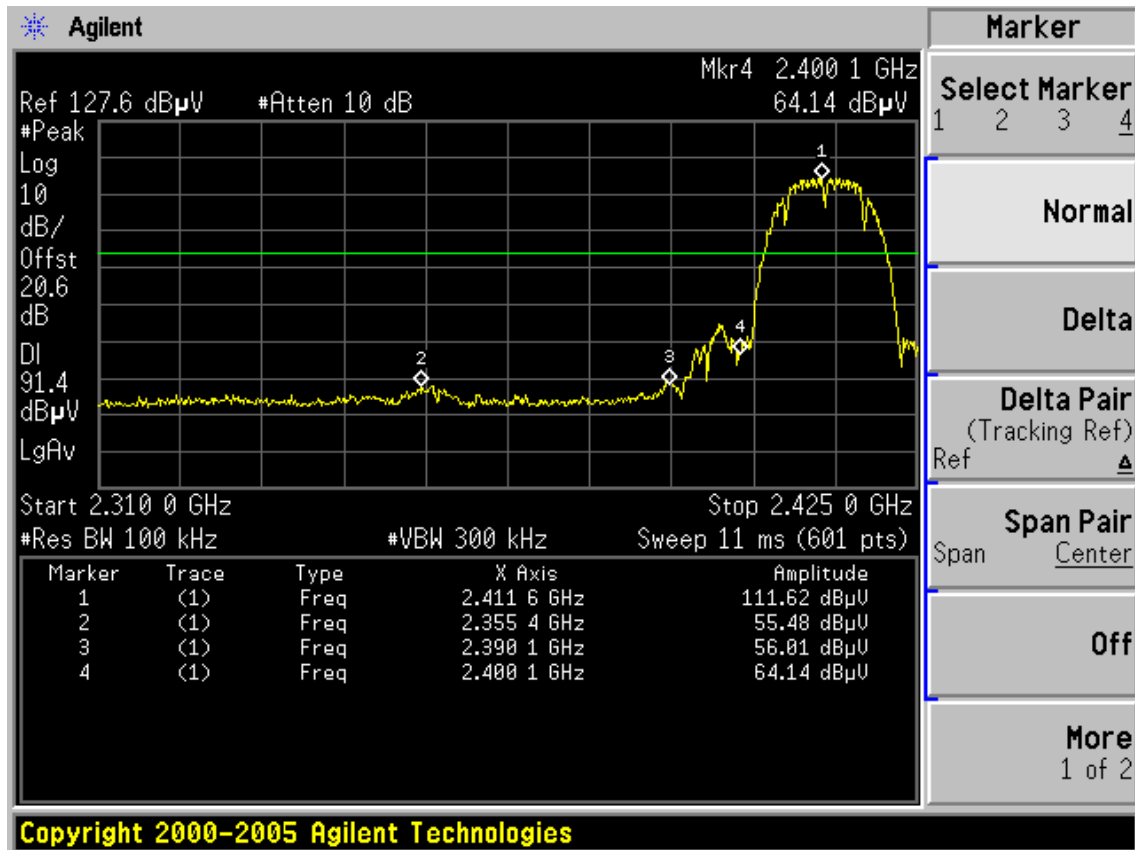
Conducted emission test data:

Chain 0:

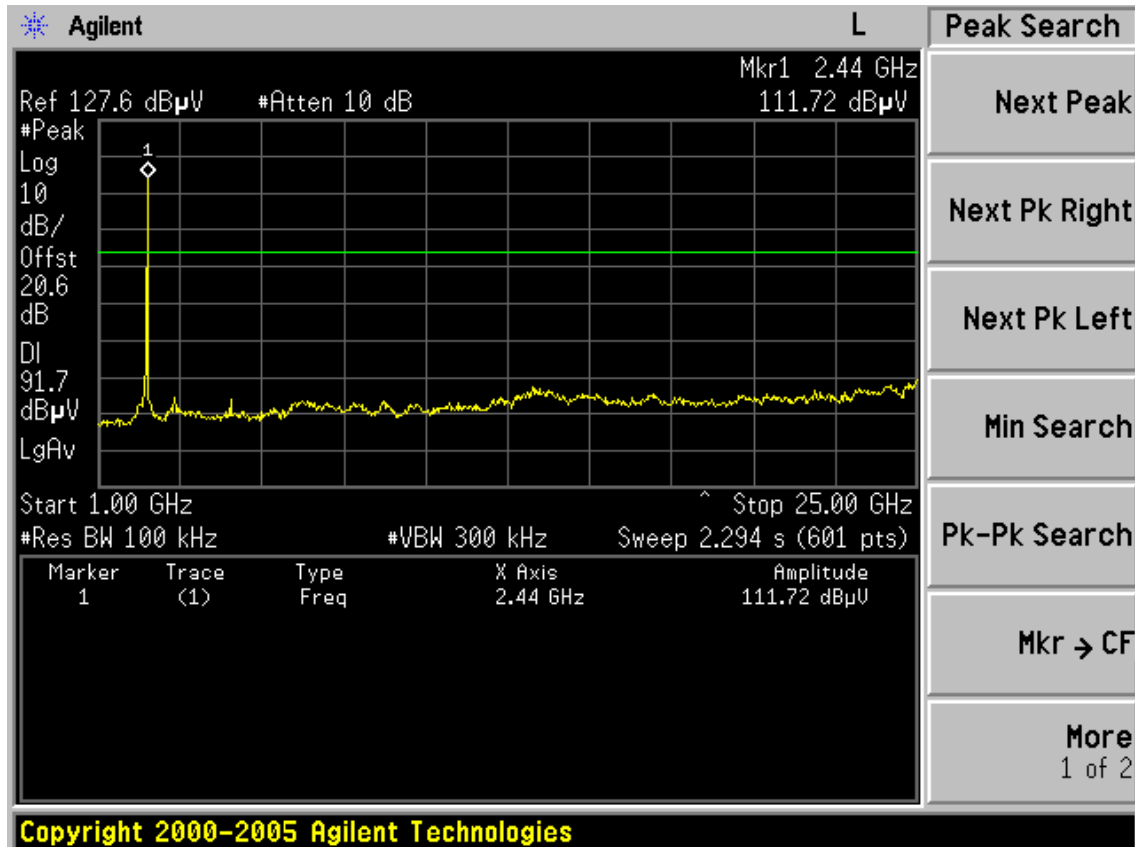
Test Mode: IEEE 802.11b TX

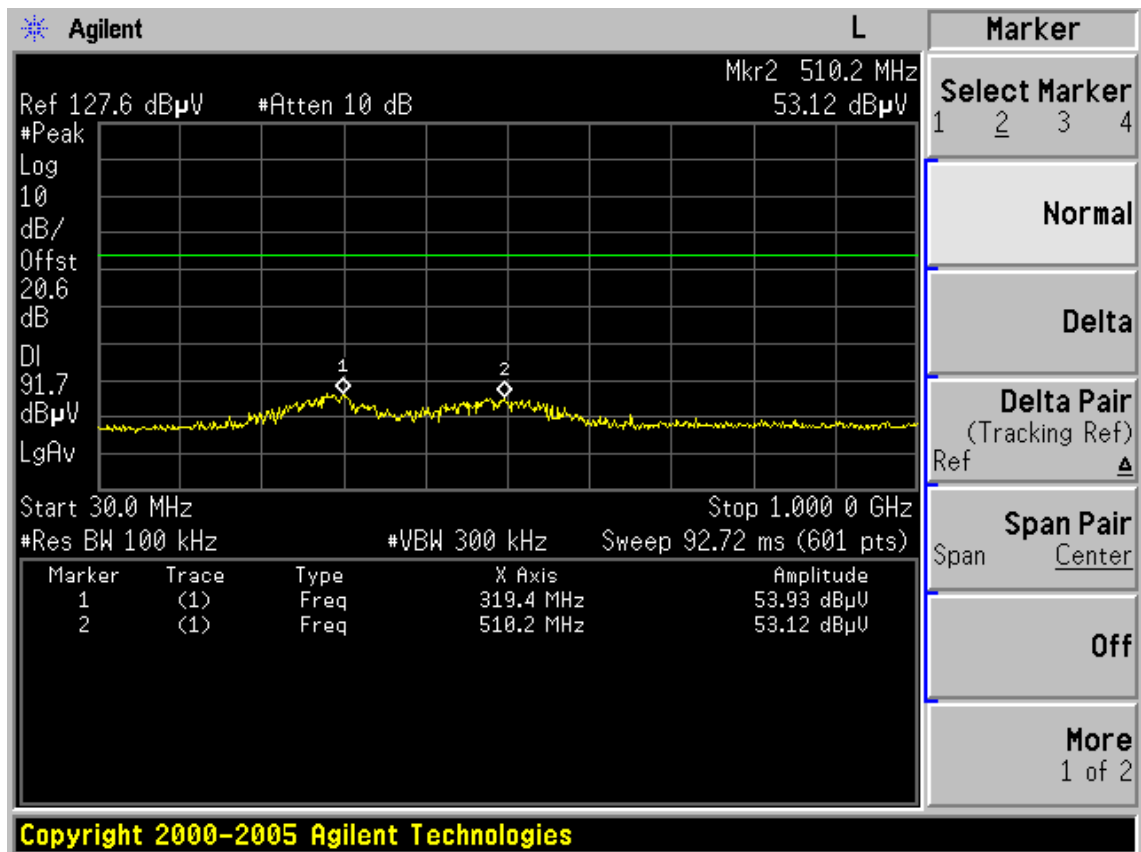
Test CH1: 2412MHz



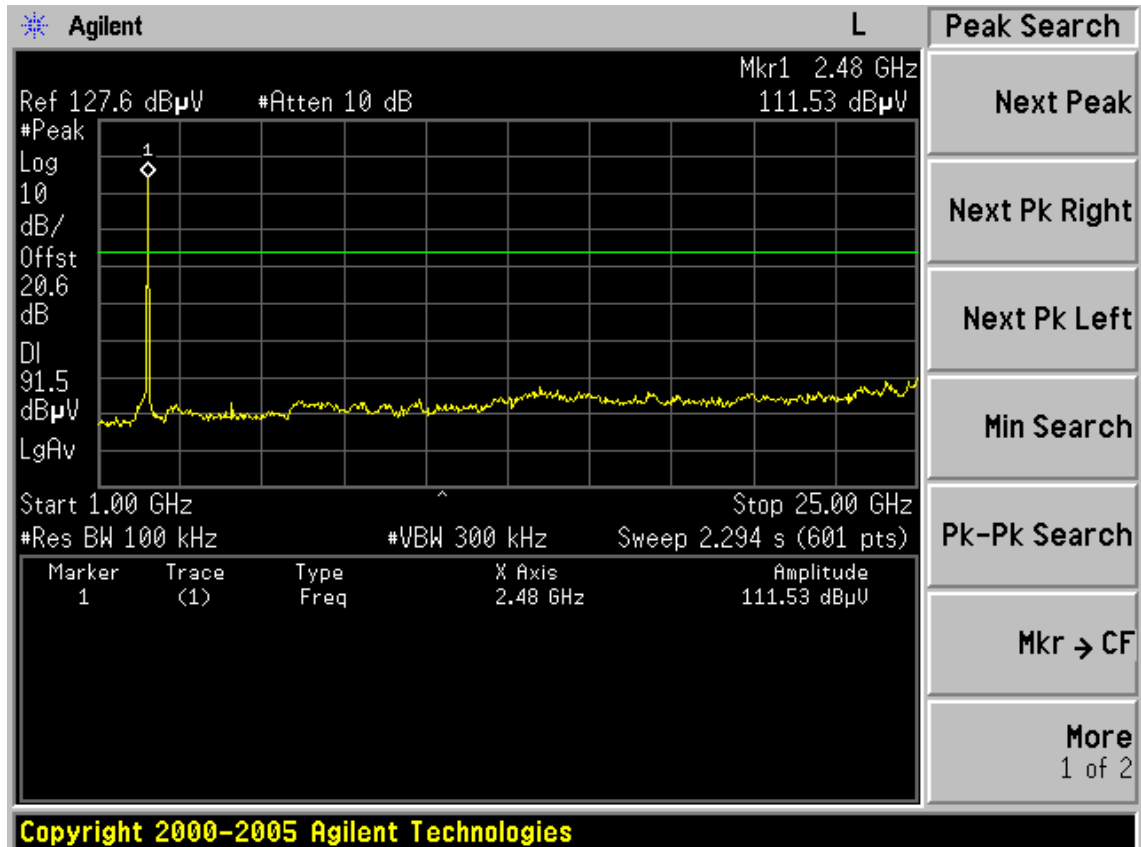


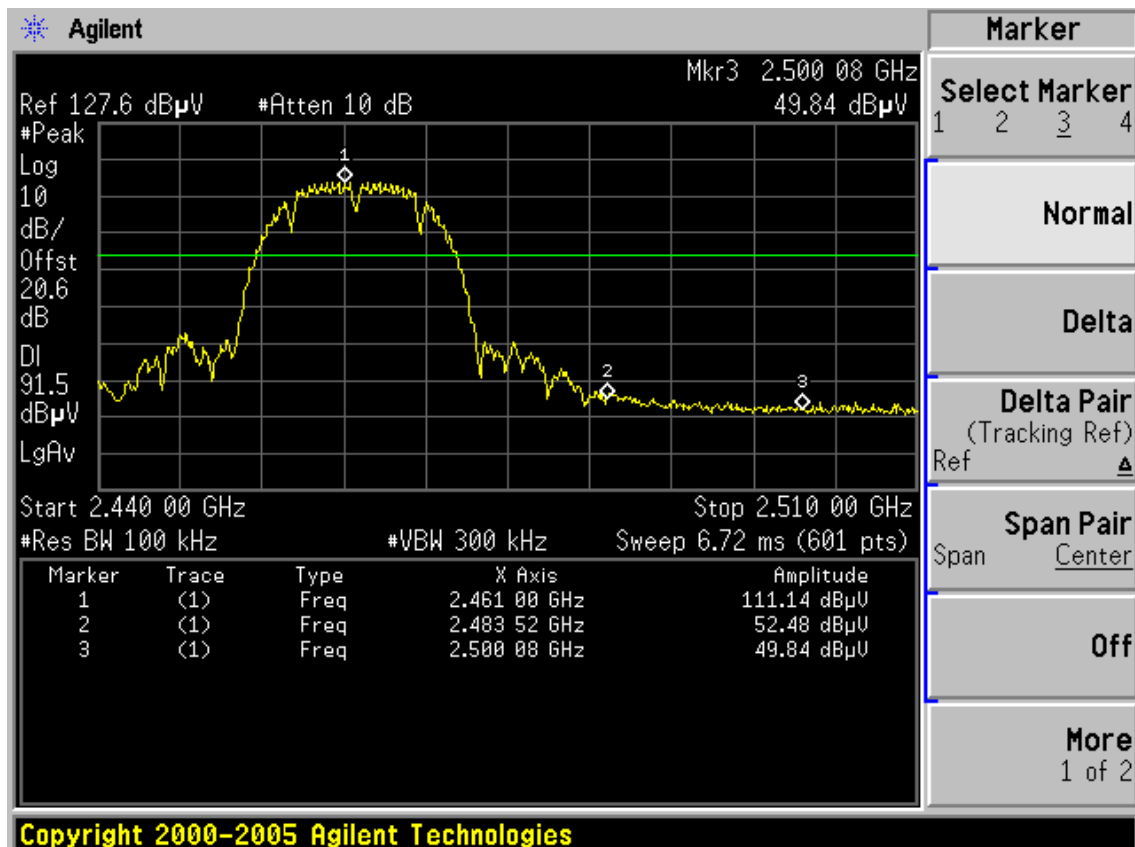
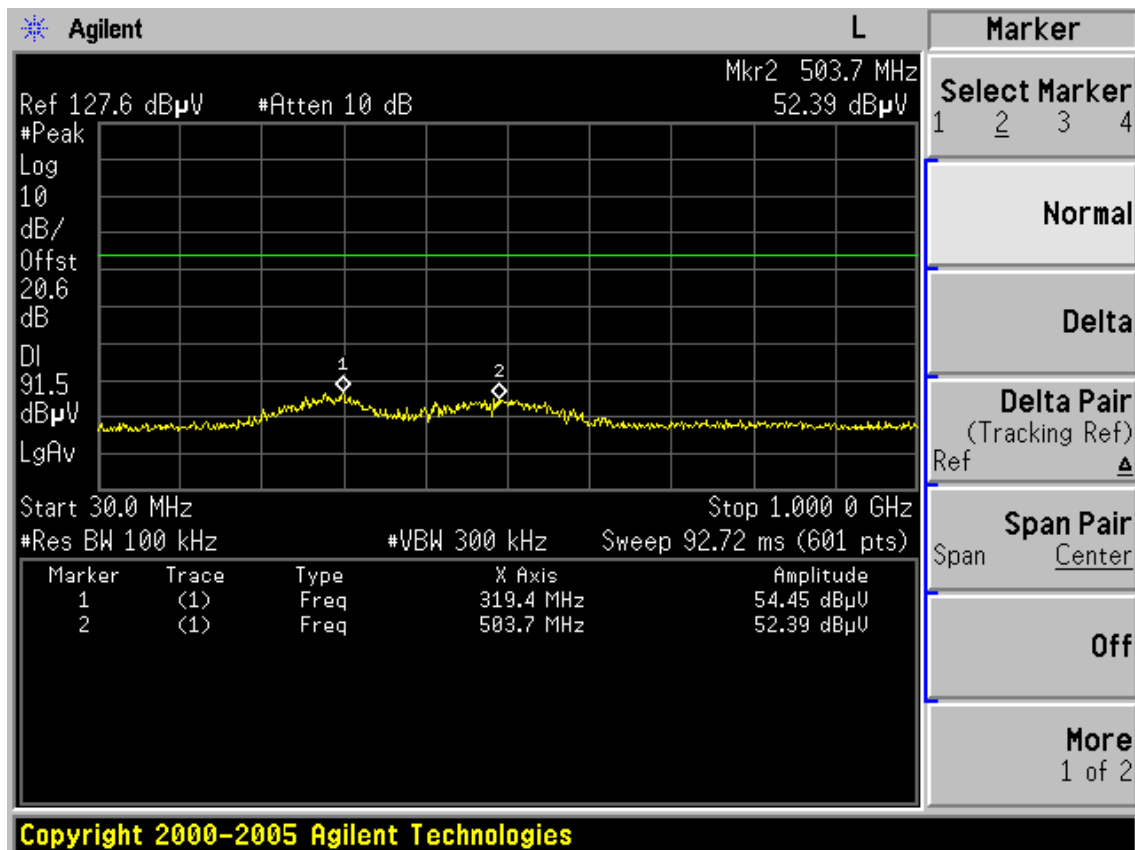
Test CH6: 2437MHz





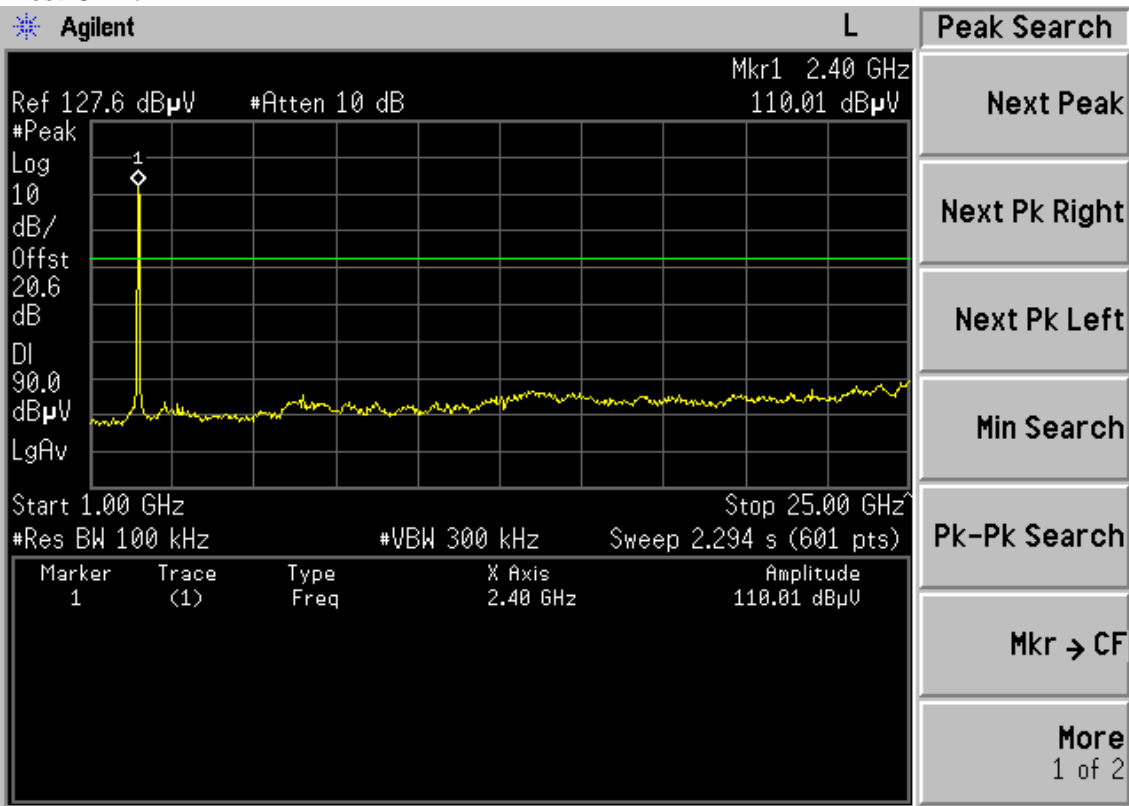
Test CH11: 2462MHz



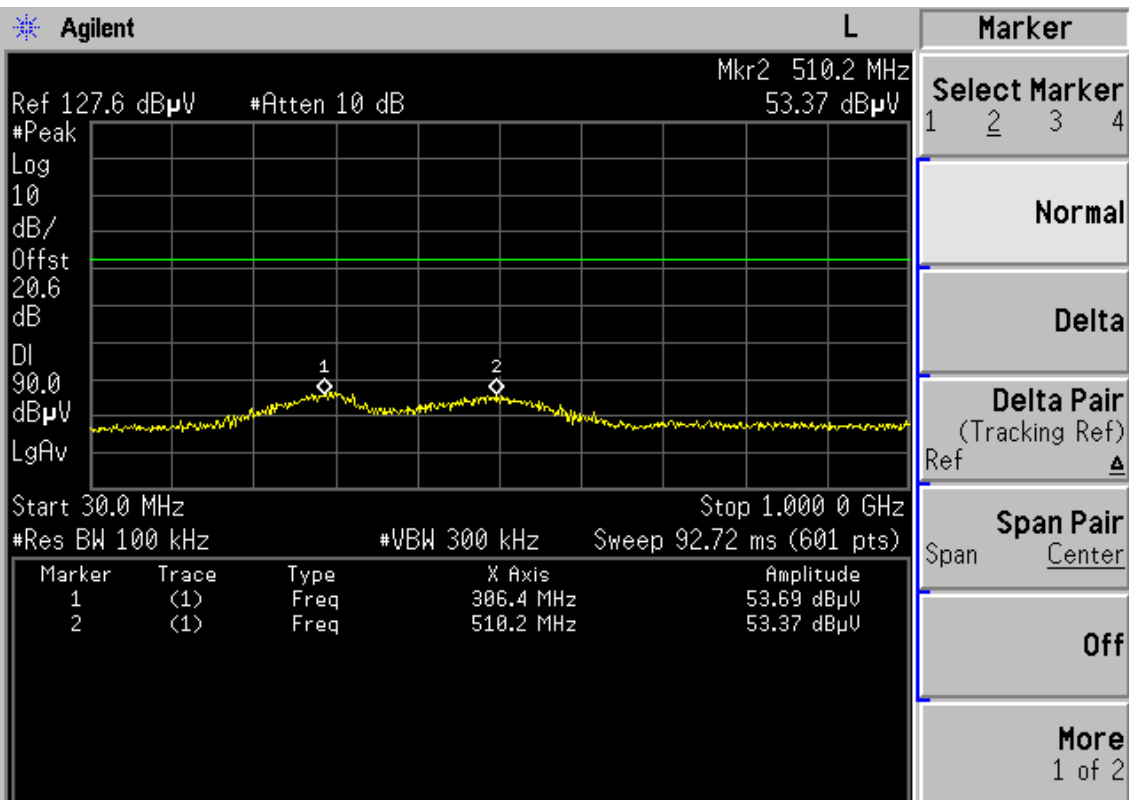


Test Mode: IEEE 802.11g TX

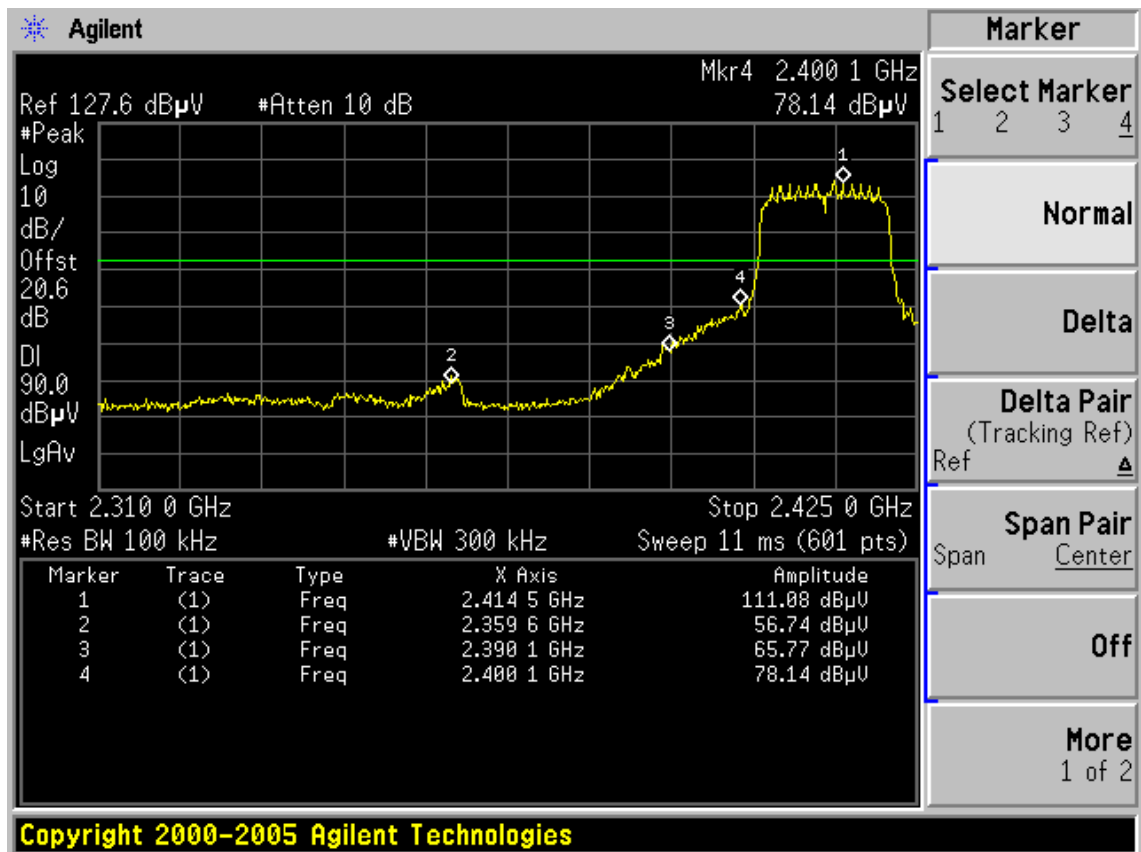
Test CH1: 2412MHz



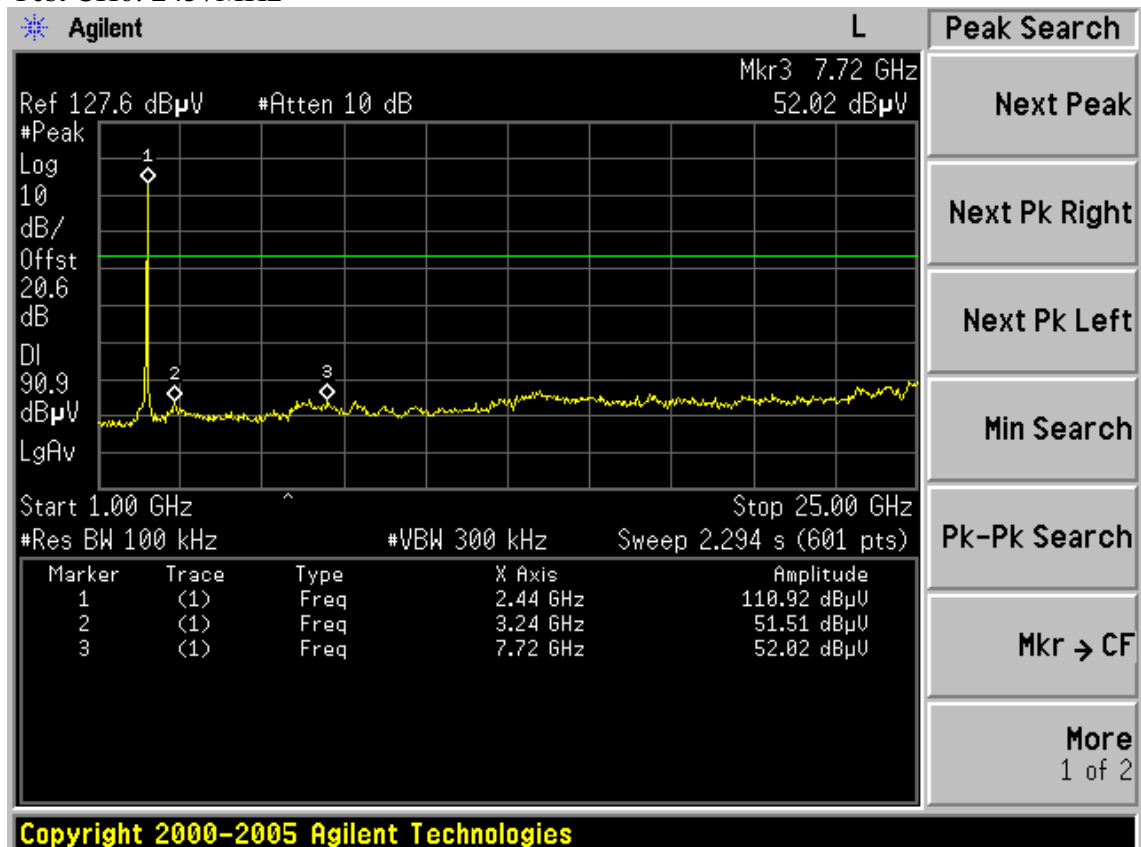
Copyright 2000-2005 Agilent Technologies

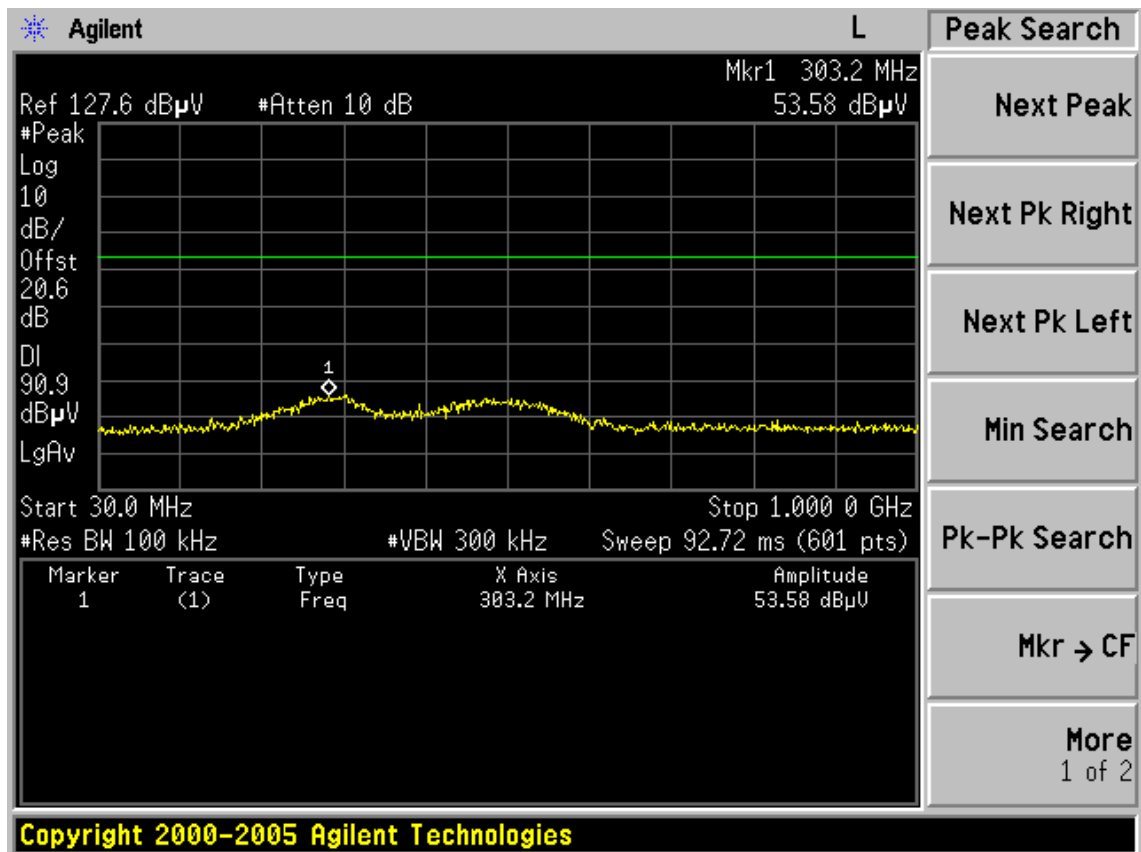


Copyright 2000-2005 Agilent Technologies

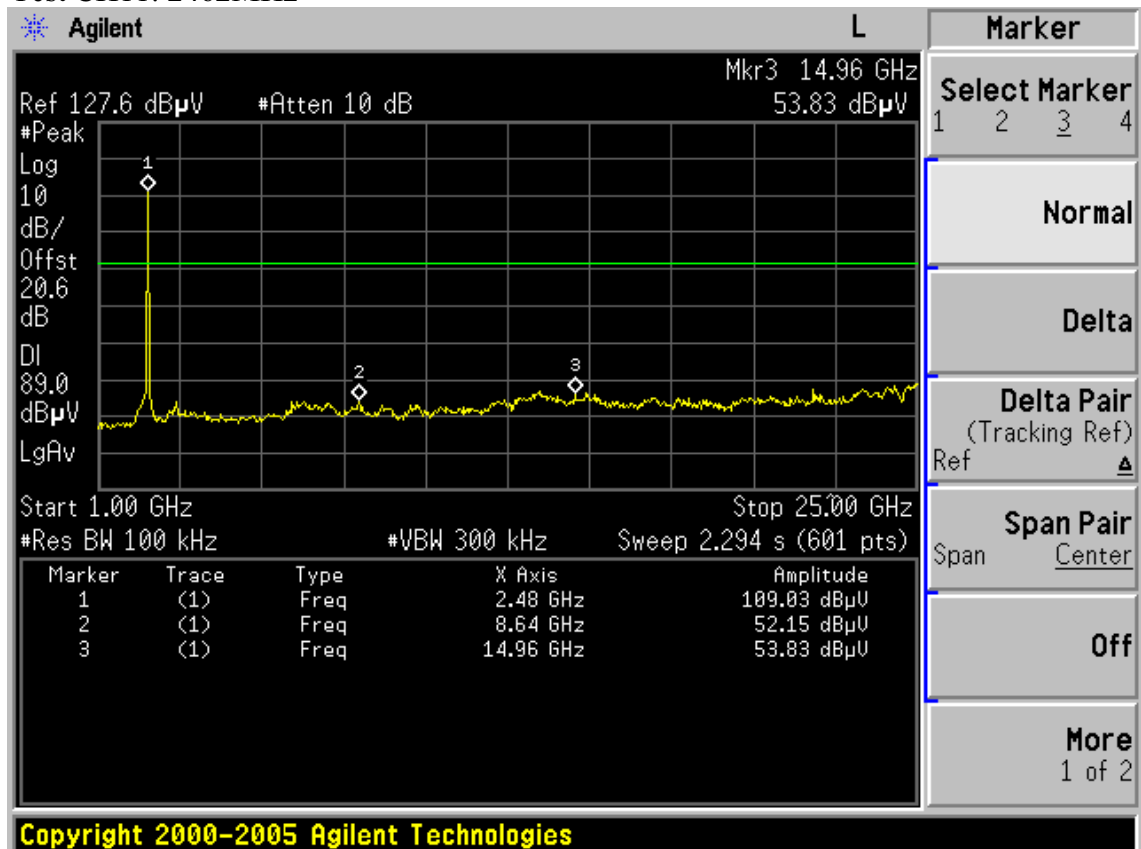


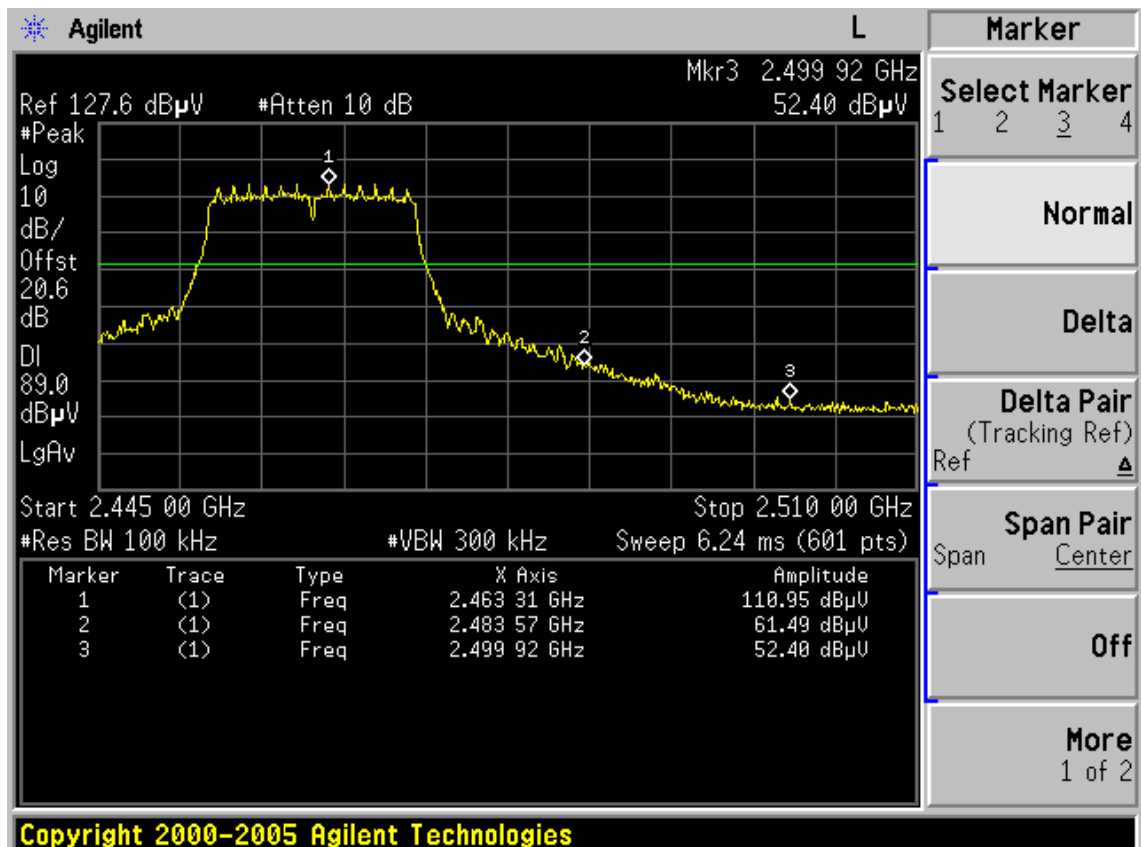
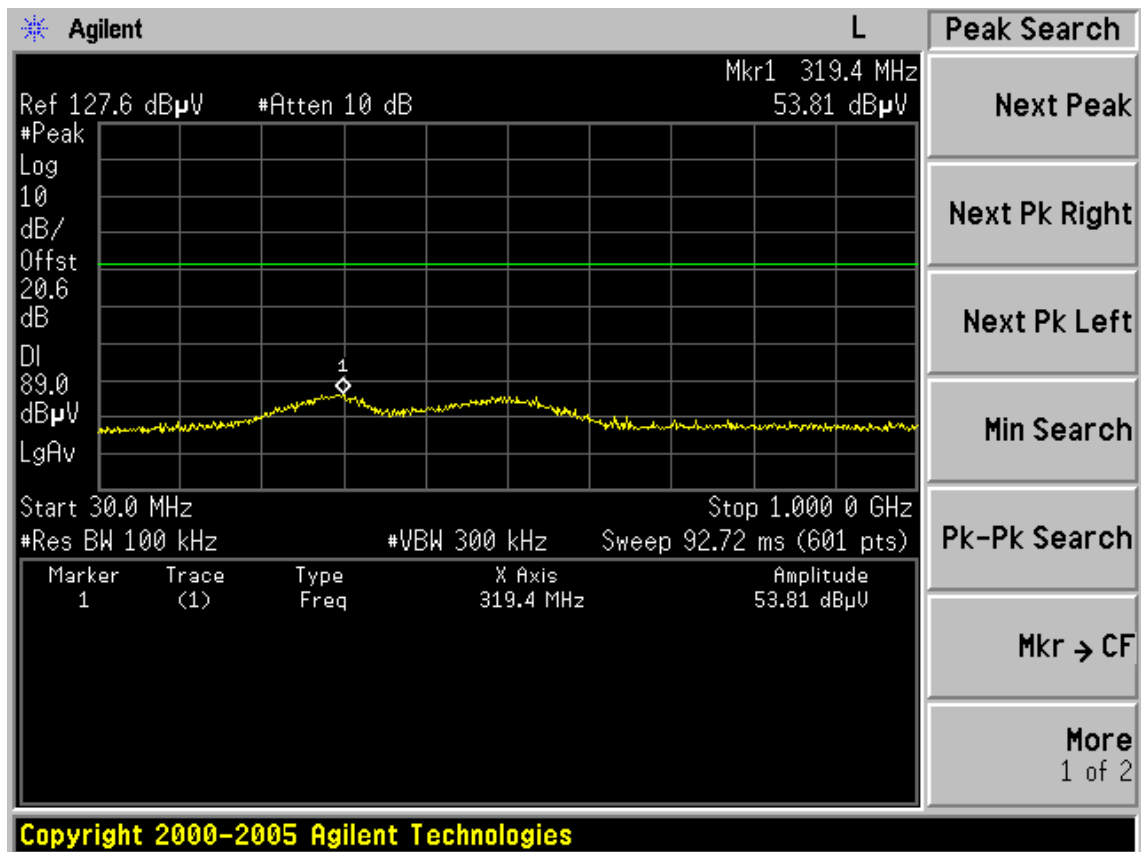
Test CH6: 2437MHz





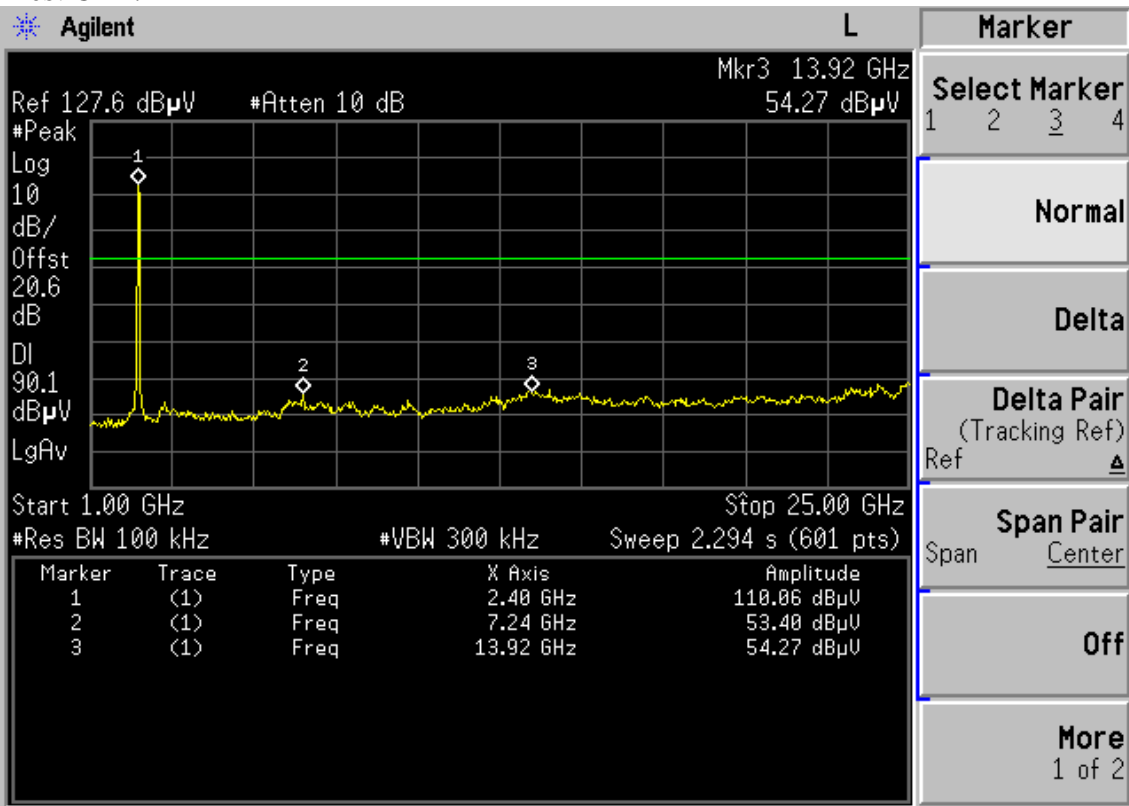
Test CH11: 2462MHz



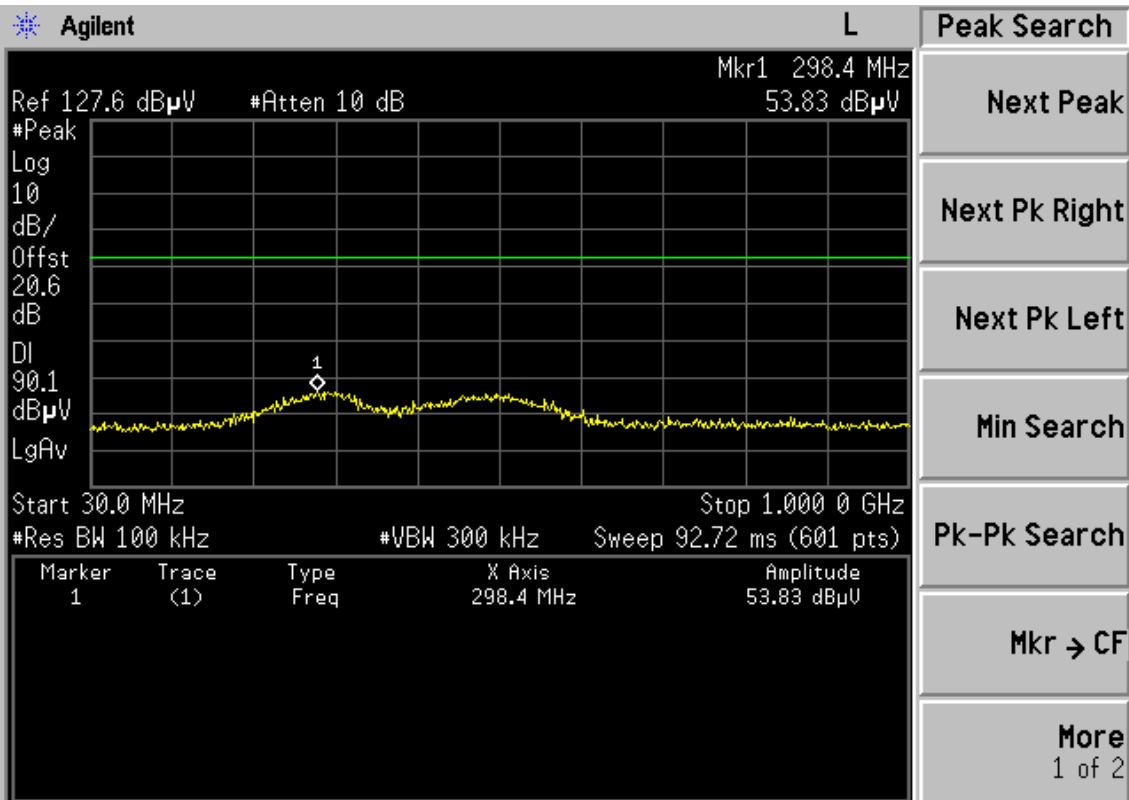


Test Mode: IEEE 802.11n HT20 TX

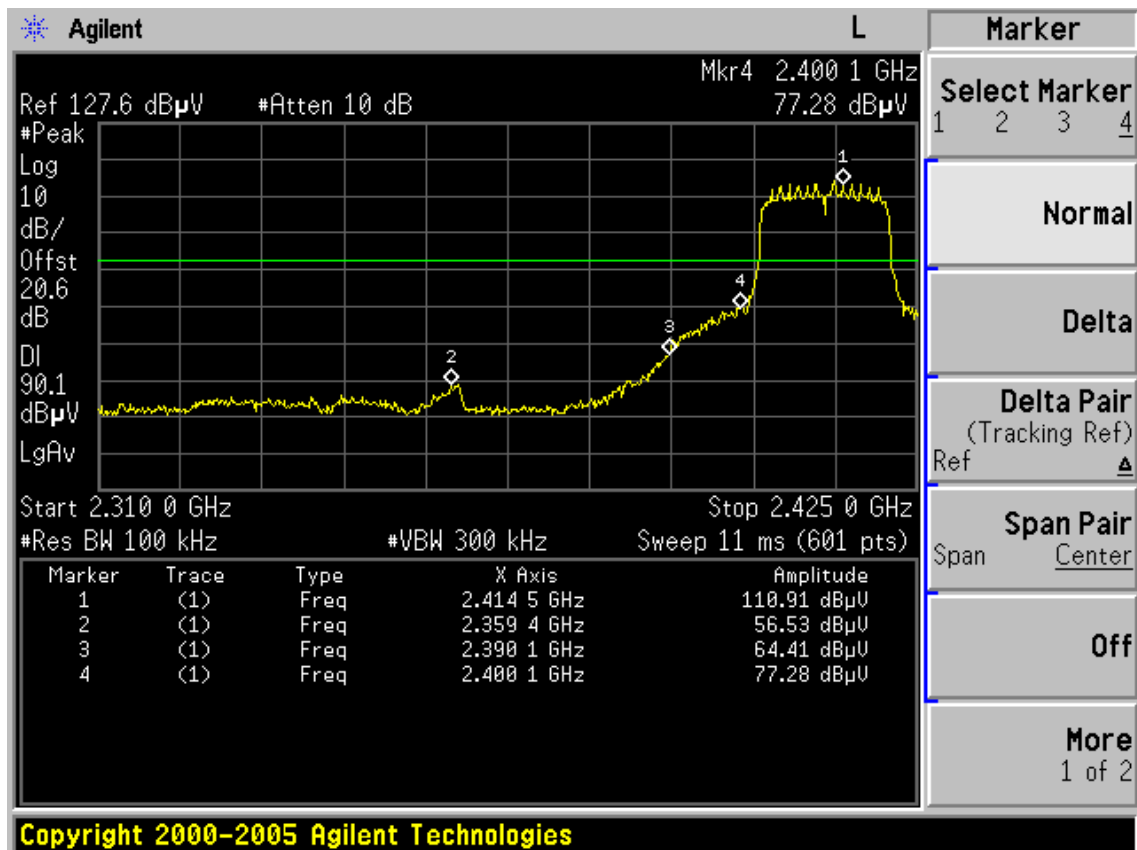
Test CH1: 2412MHz



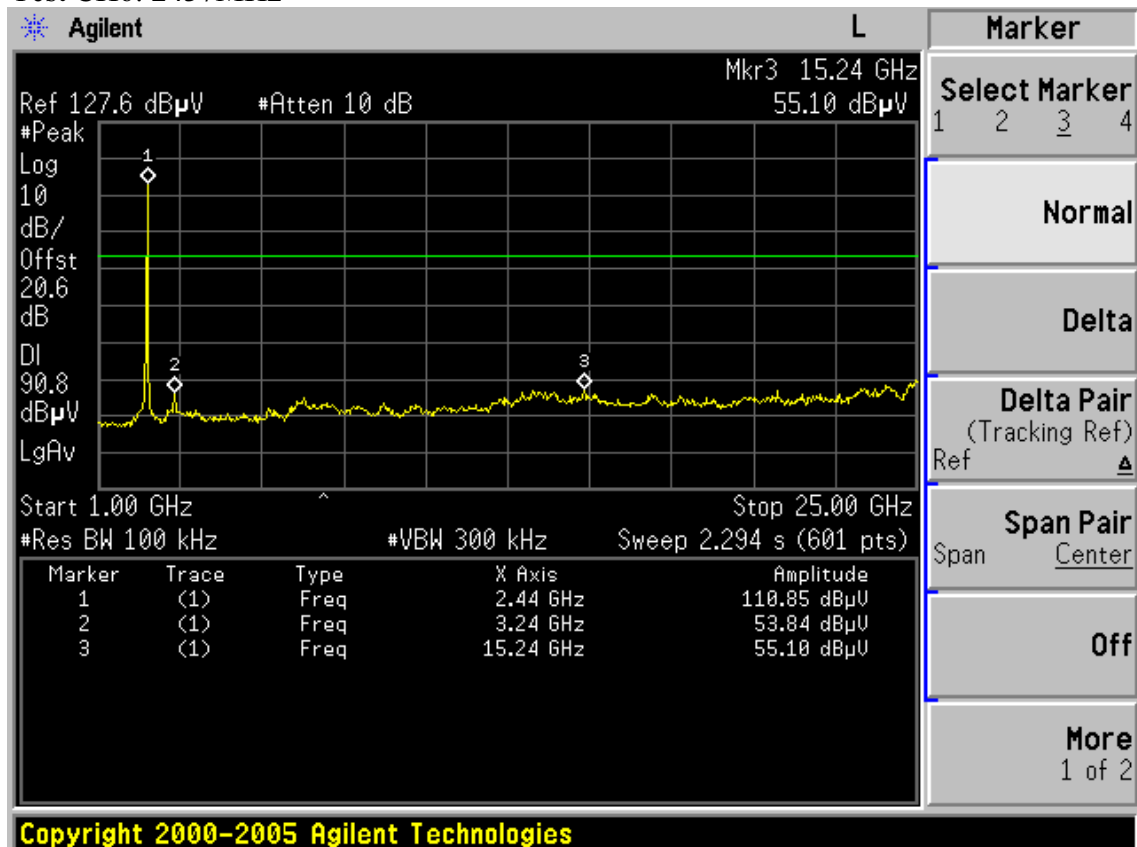
Copyright 2000-2005 Agilent Technologies

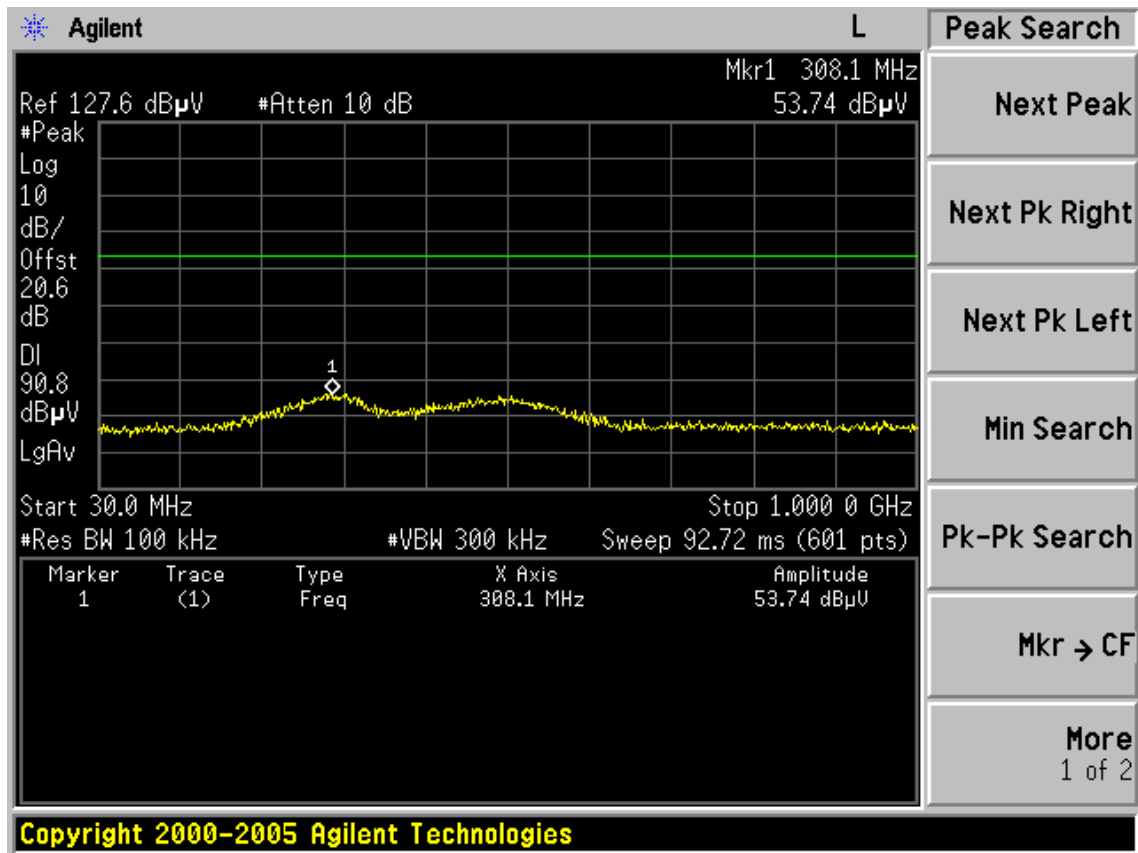


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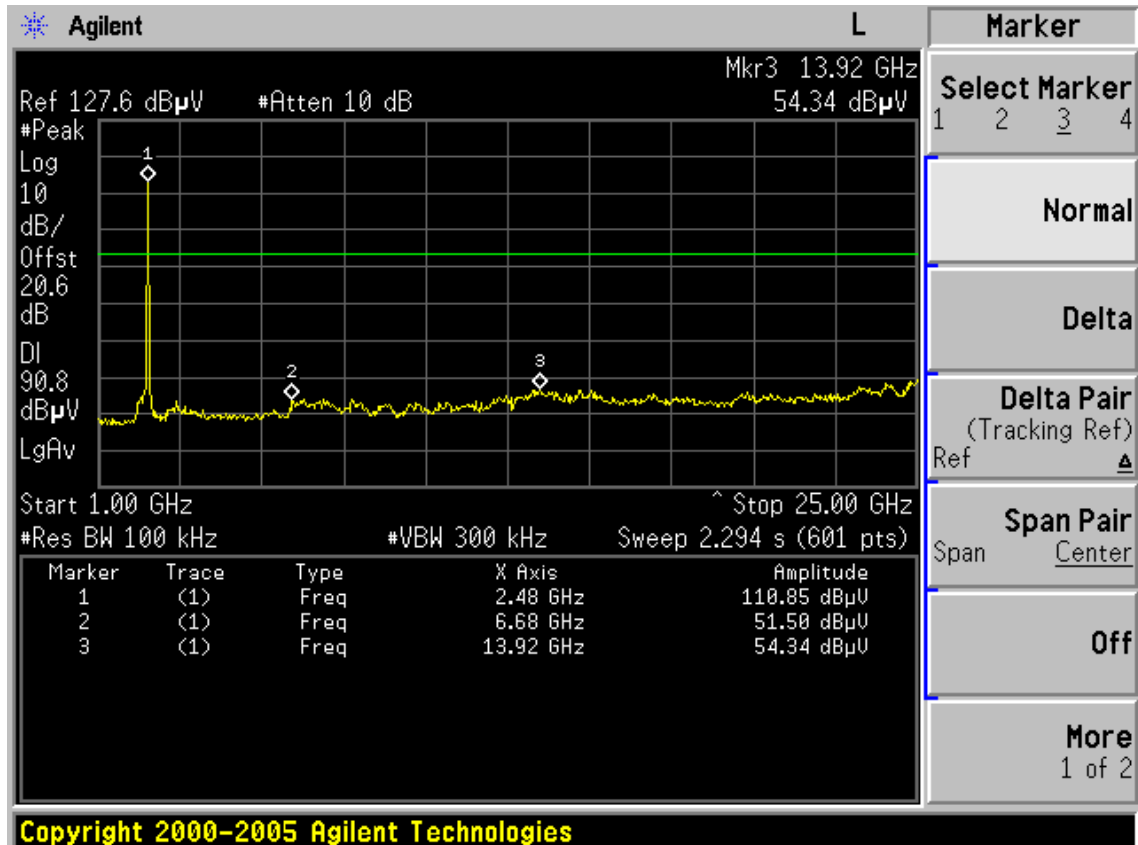


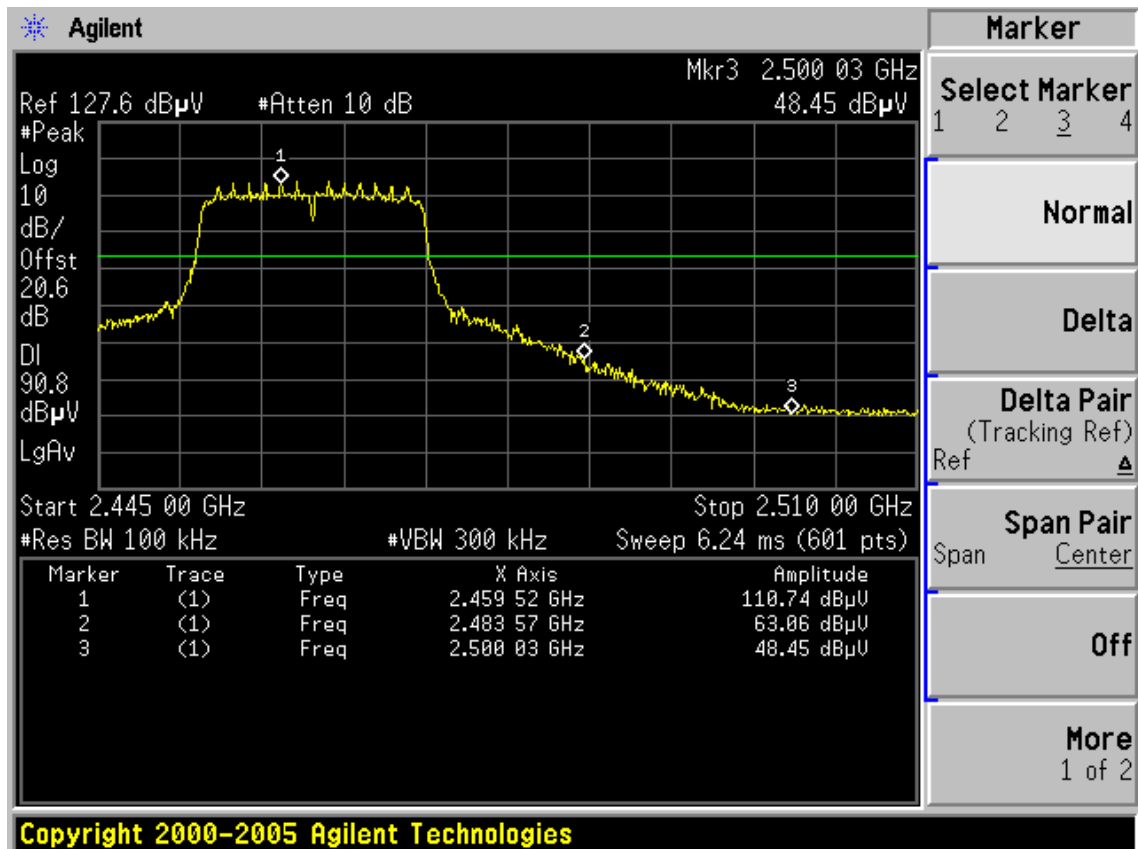
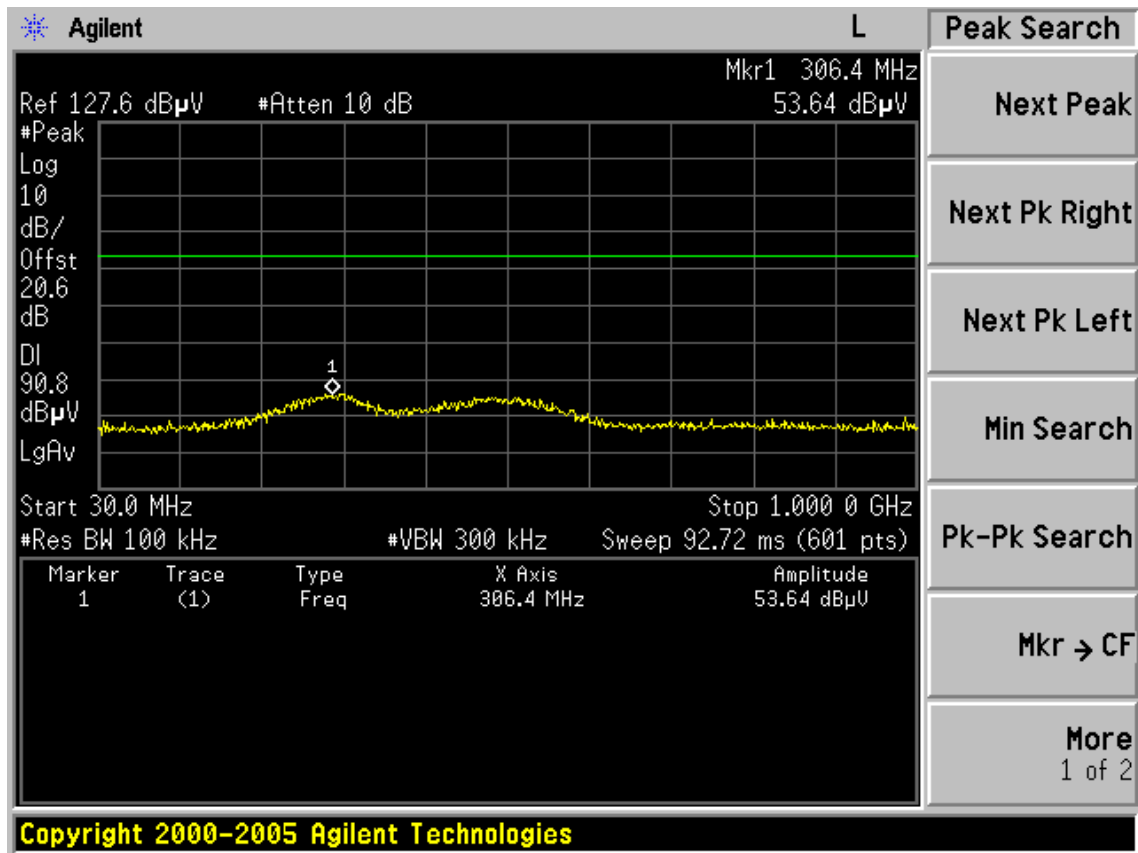
Test CH6: 2437MHz





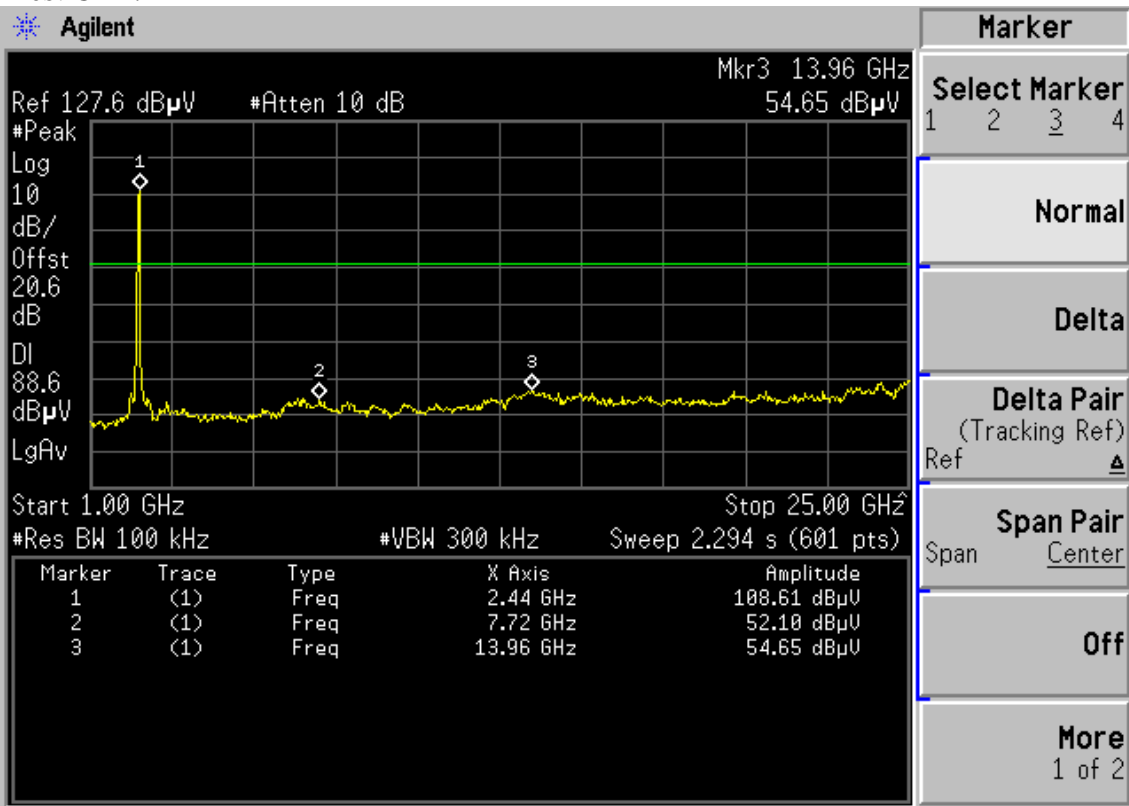
Test CH11: 2462MHz



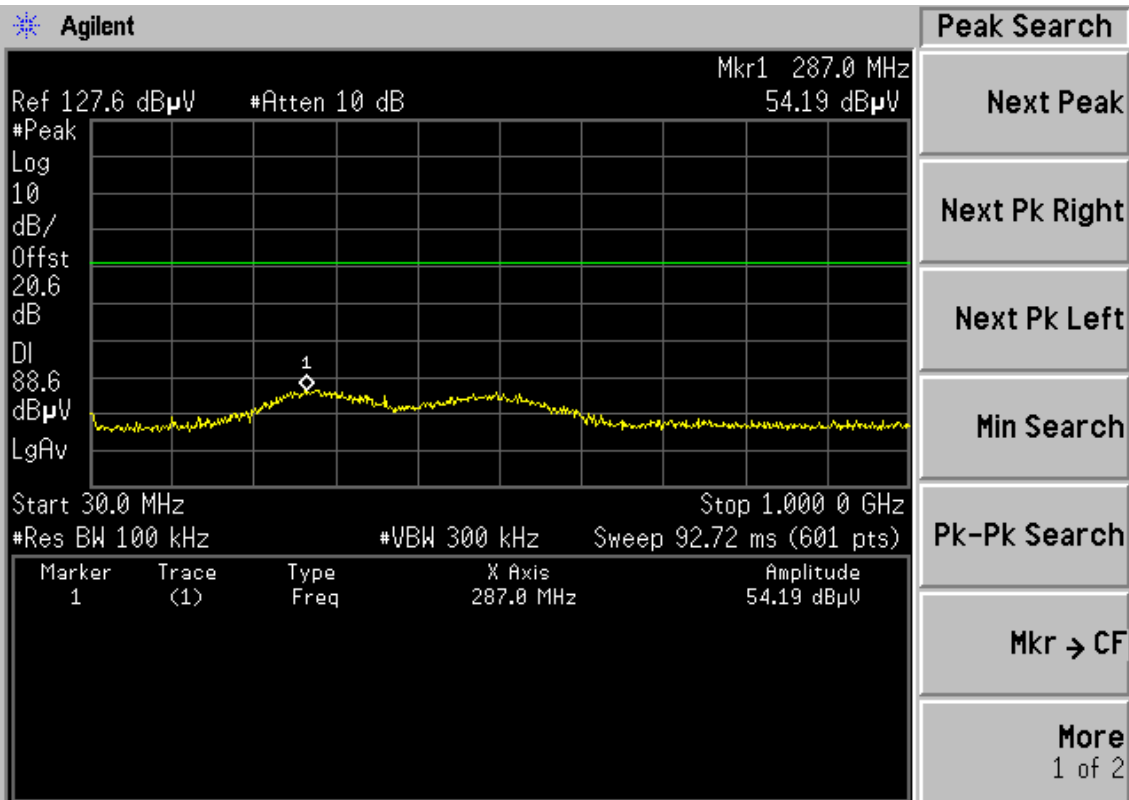


Test Mode: IEEE 802.11n HT40 TX

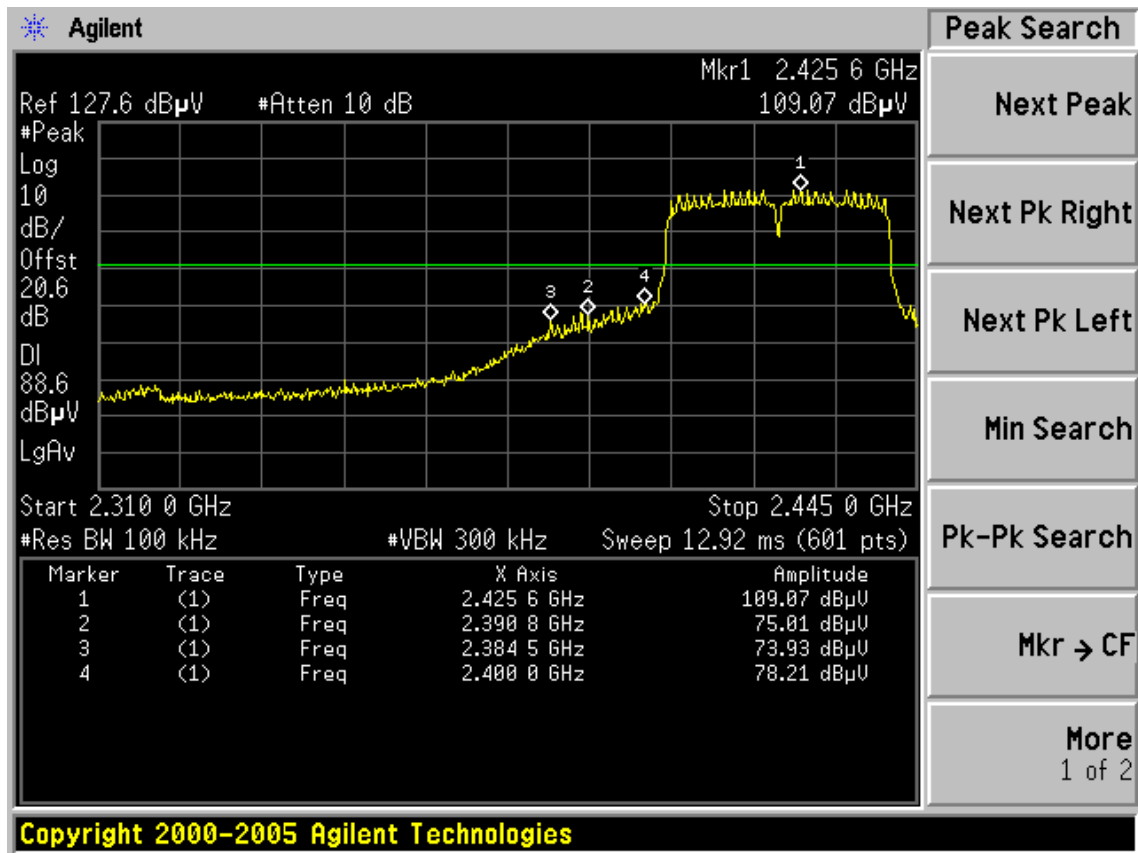
Test CH1: 2422MHz



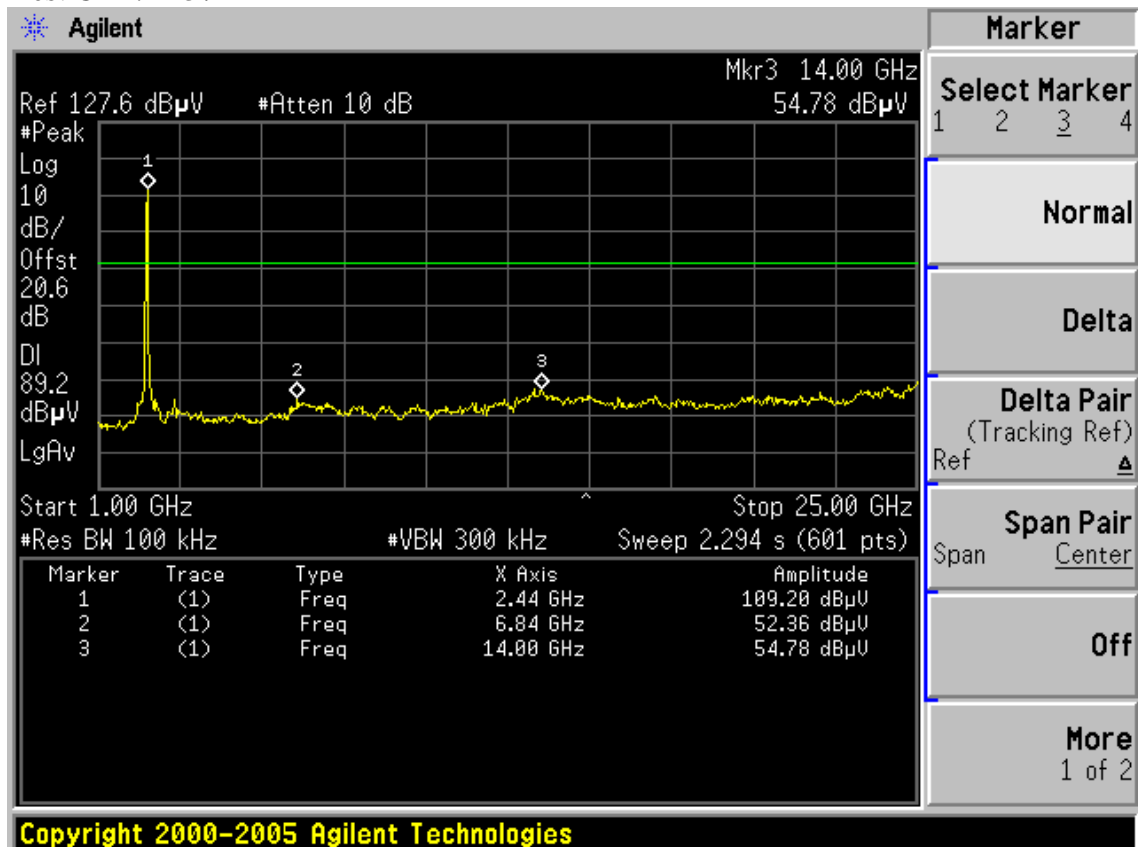
Copyright 2000-2005 Agilent Technologies

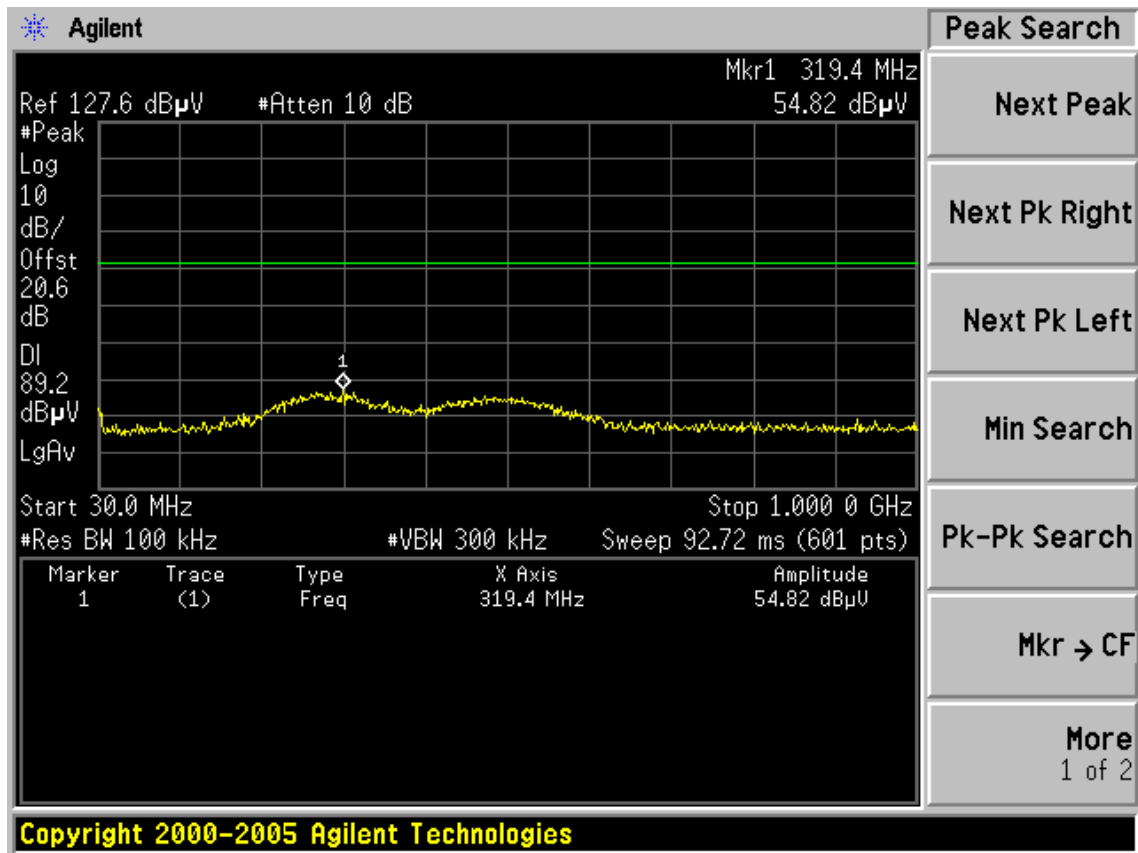


Copyright 2000-2005 Agilent Technologies

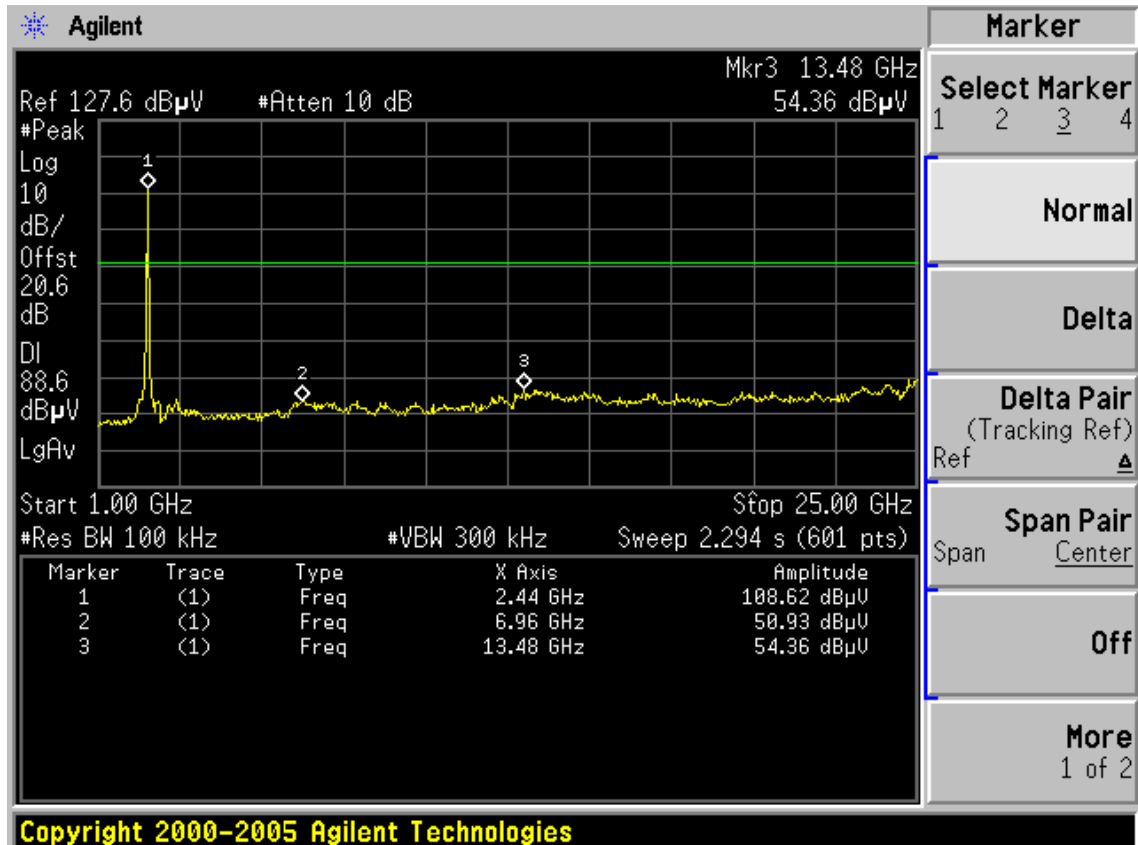


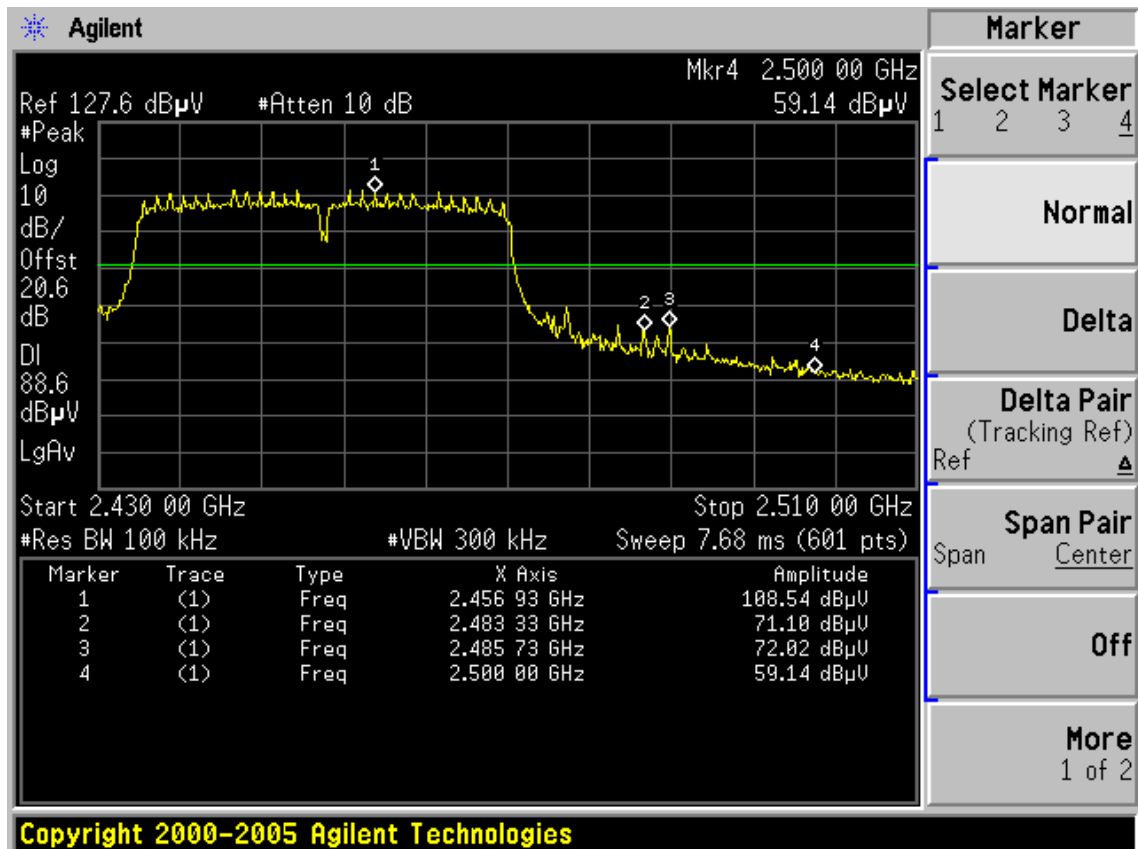
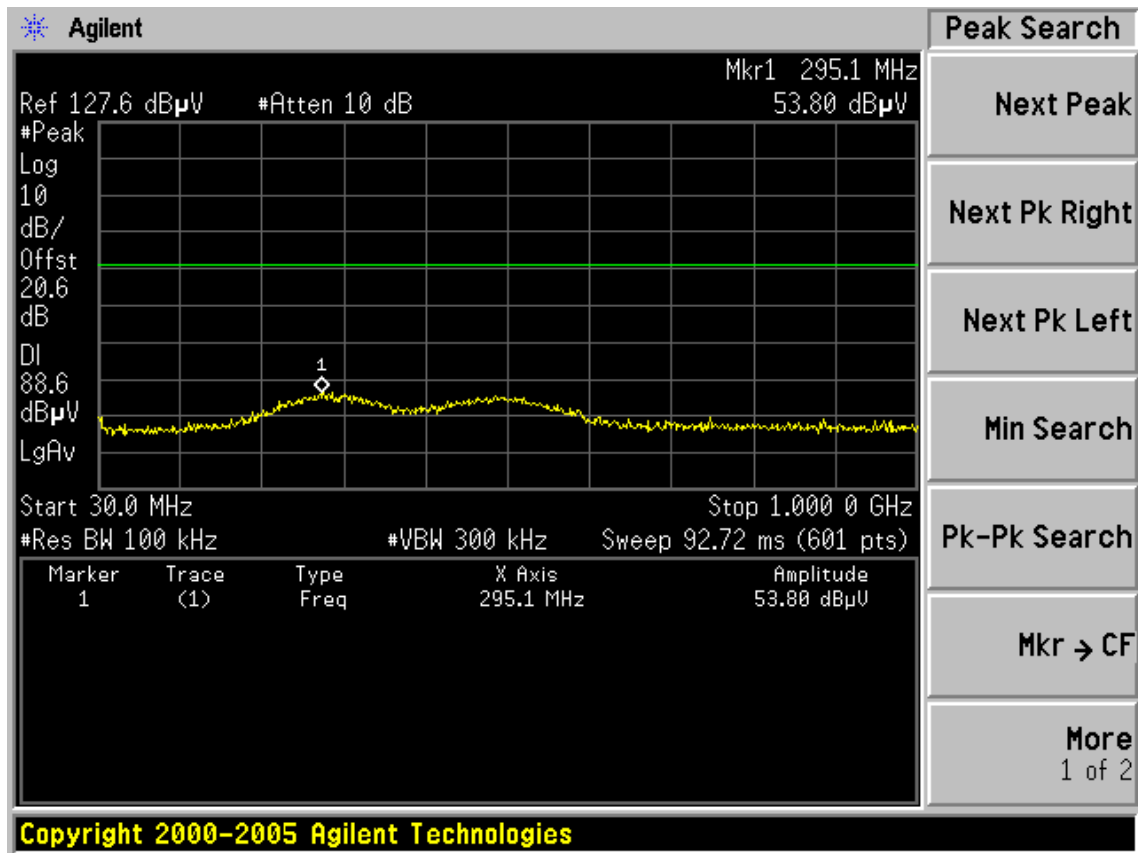
Test CH4: 2437MHz





Test CH7: 2452MHz

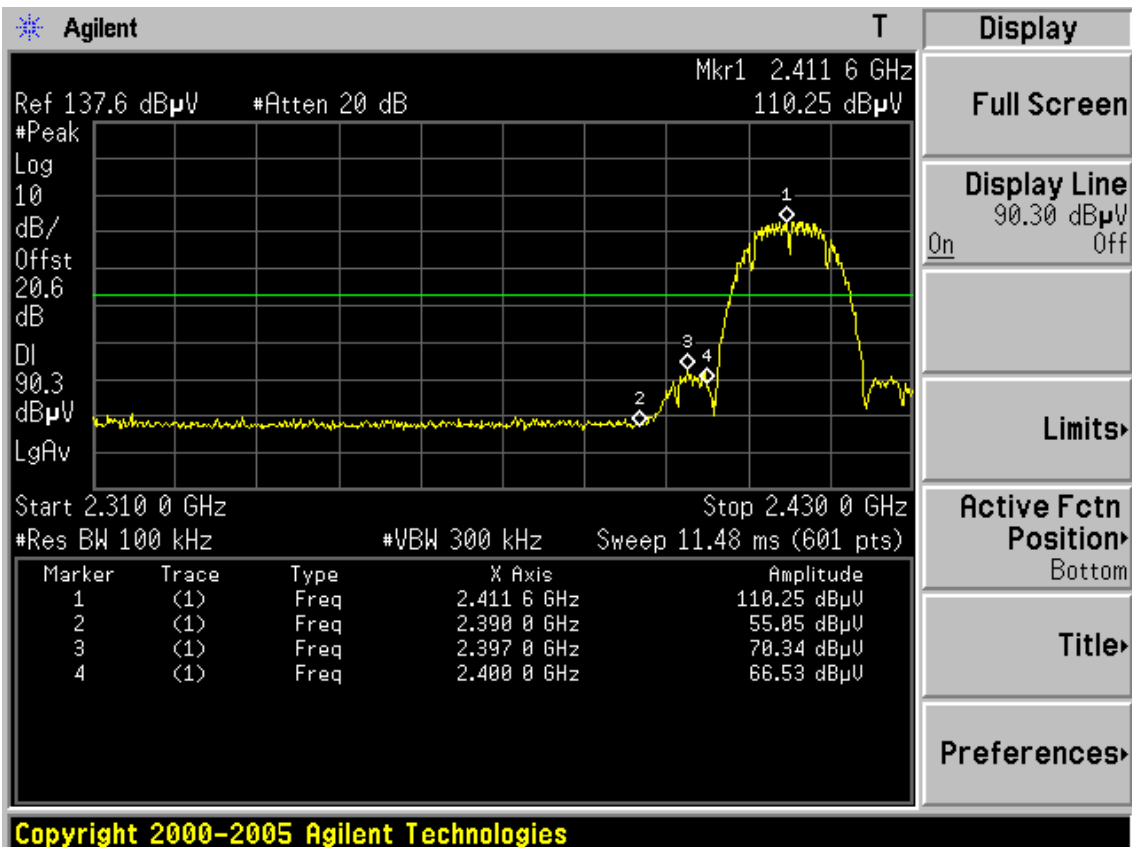
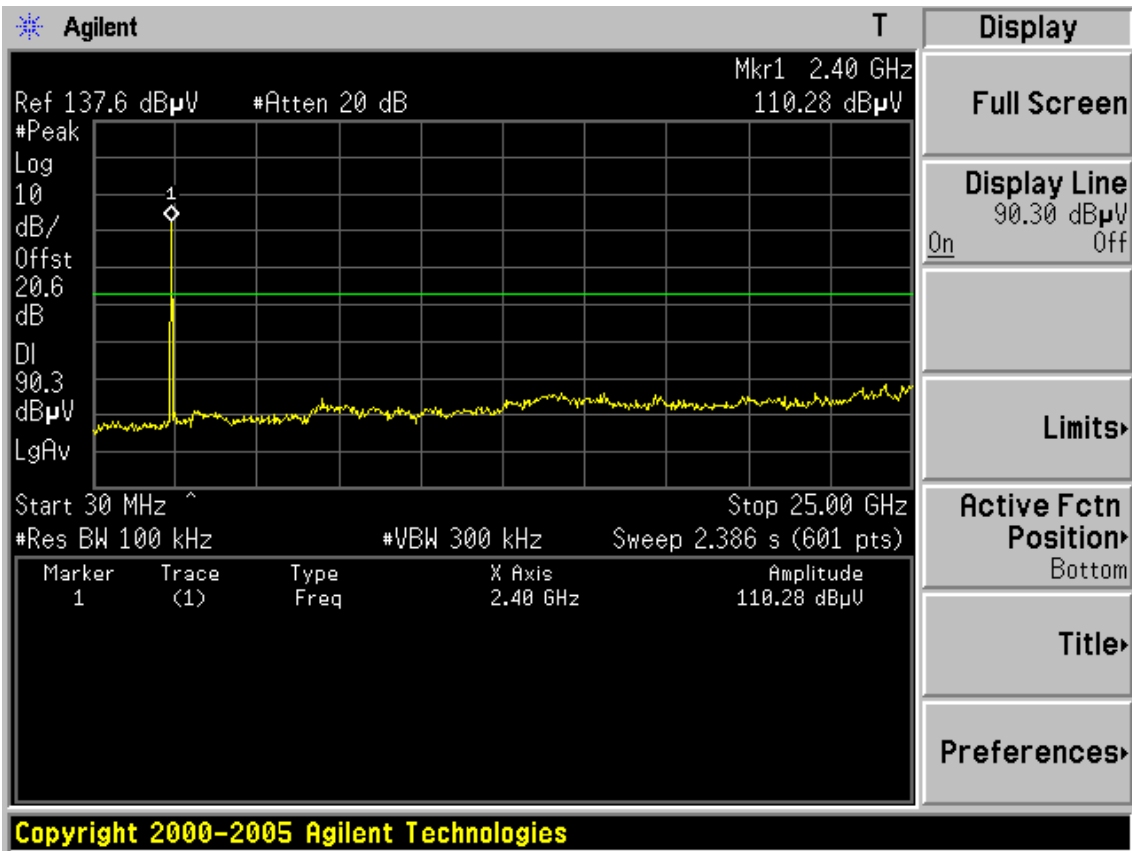




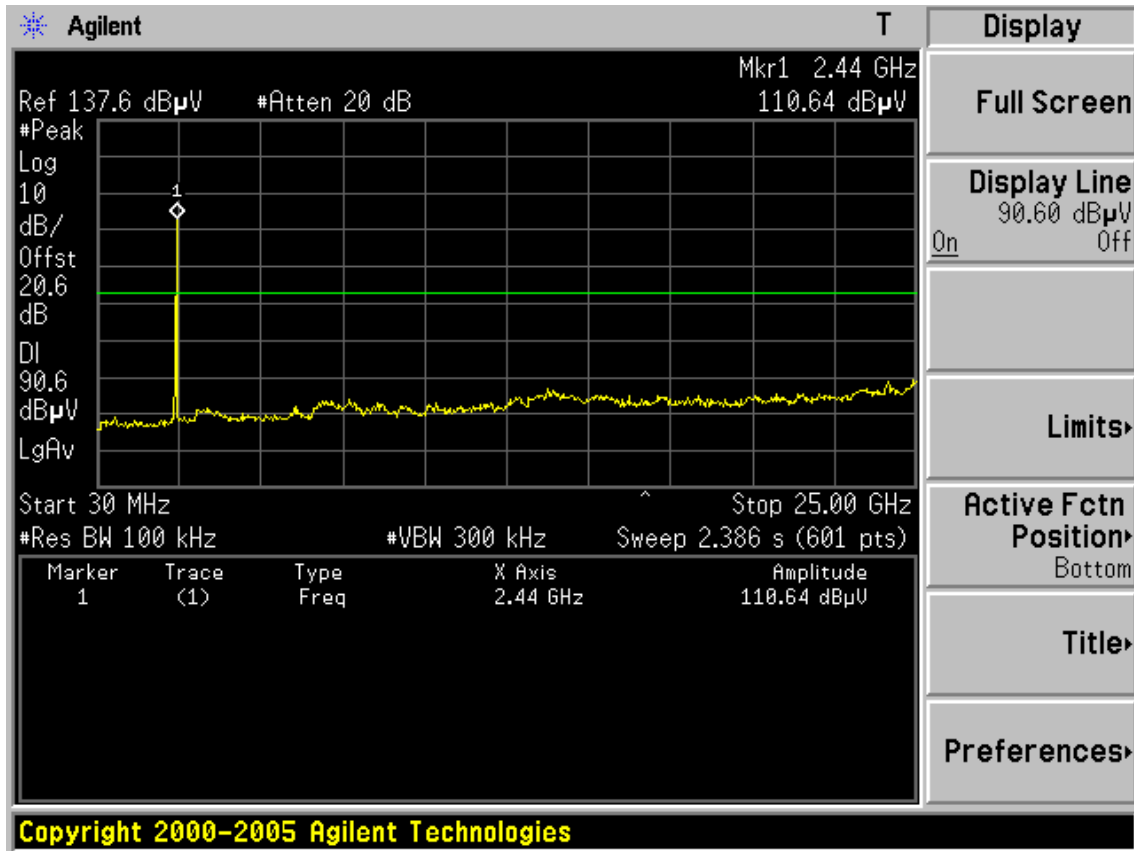
Chain 1:

Test Mode: IEEE 802.11b TX

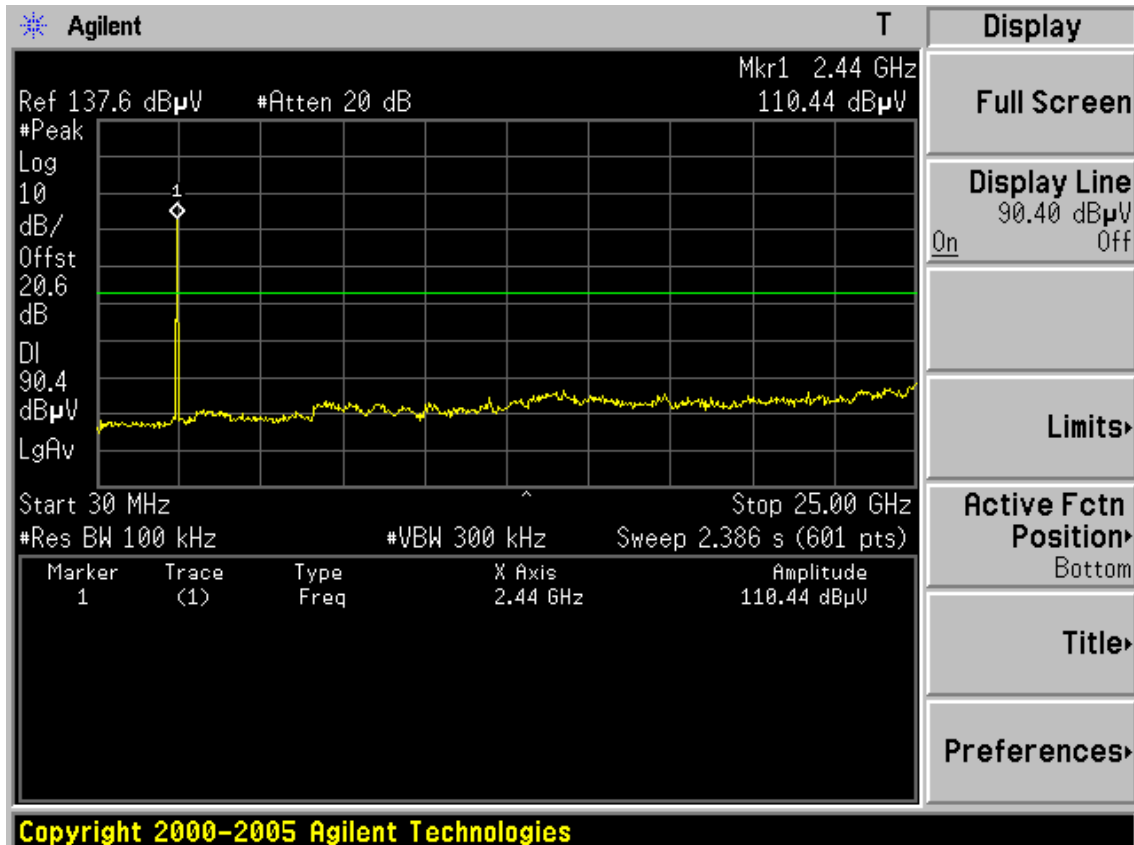
Test CH1: 2412MHz

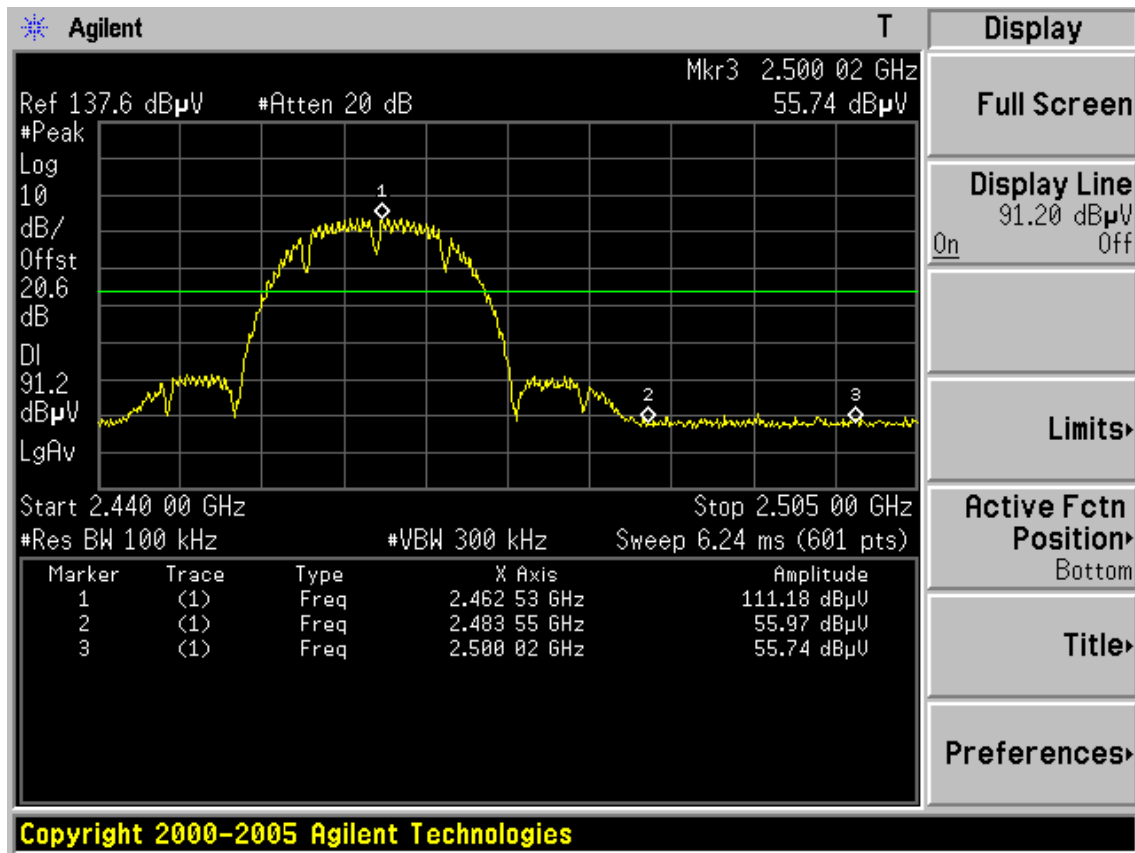


Test CH6: 2437MHz

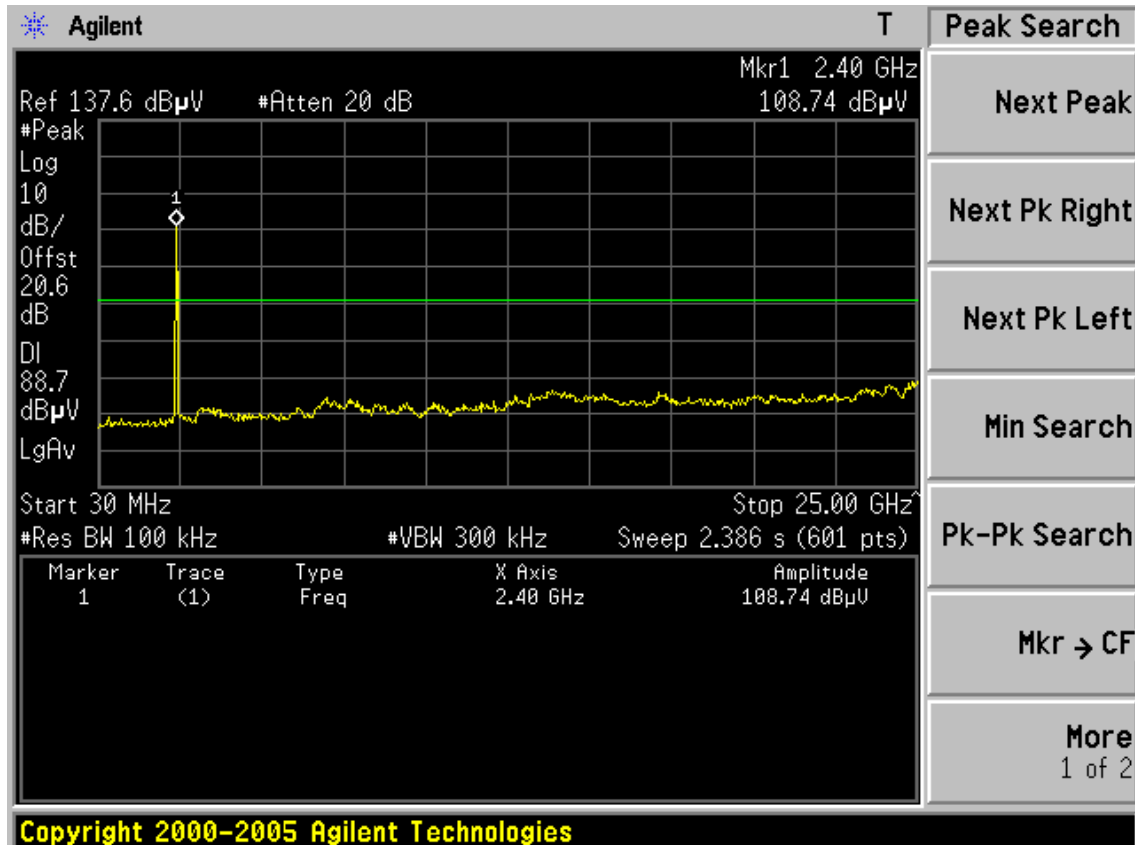


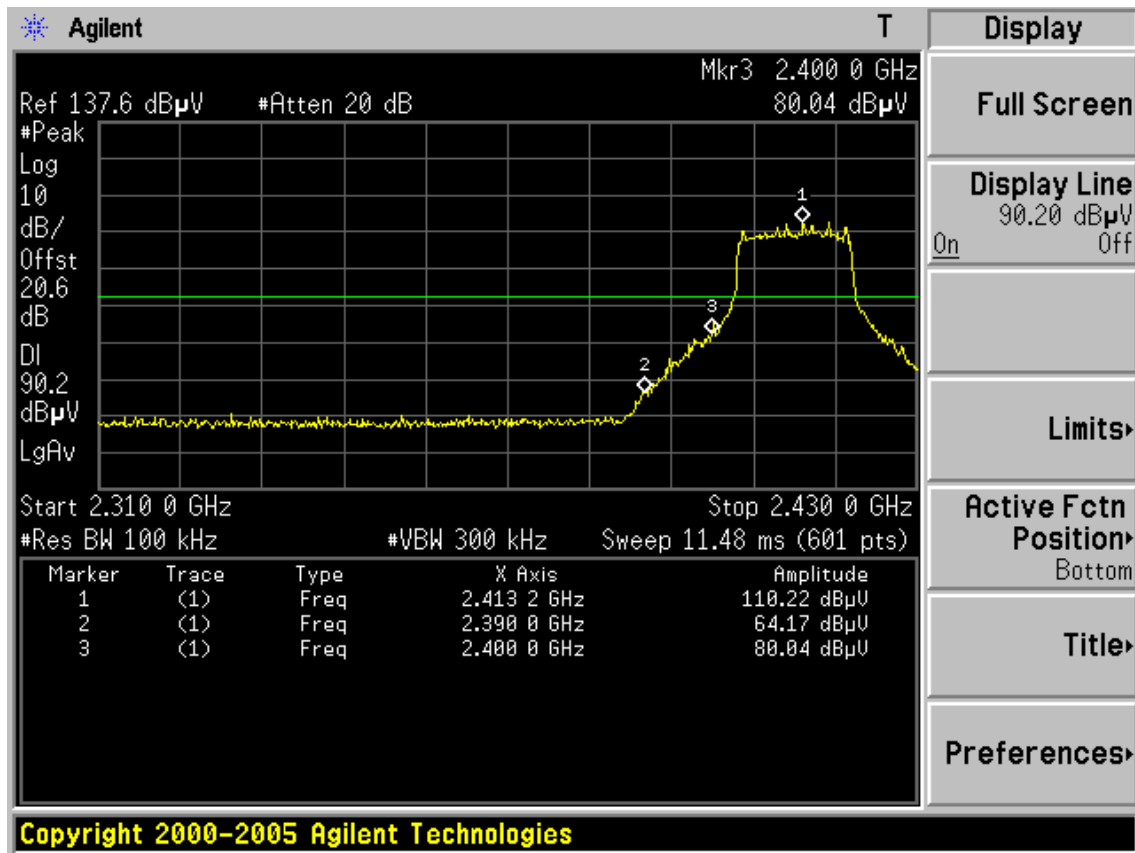
Test CH11: 2462MHz



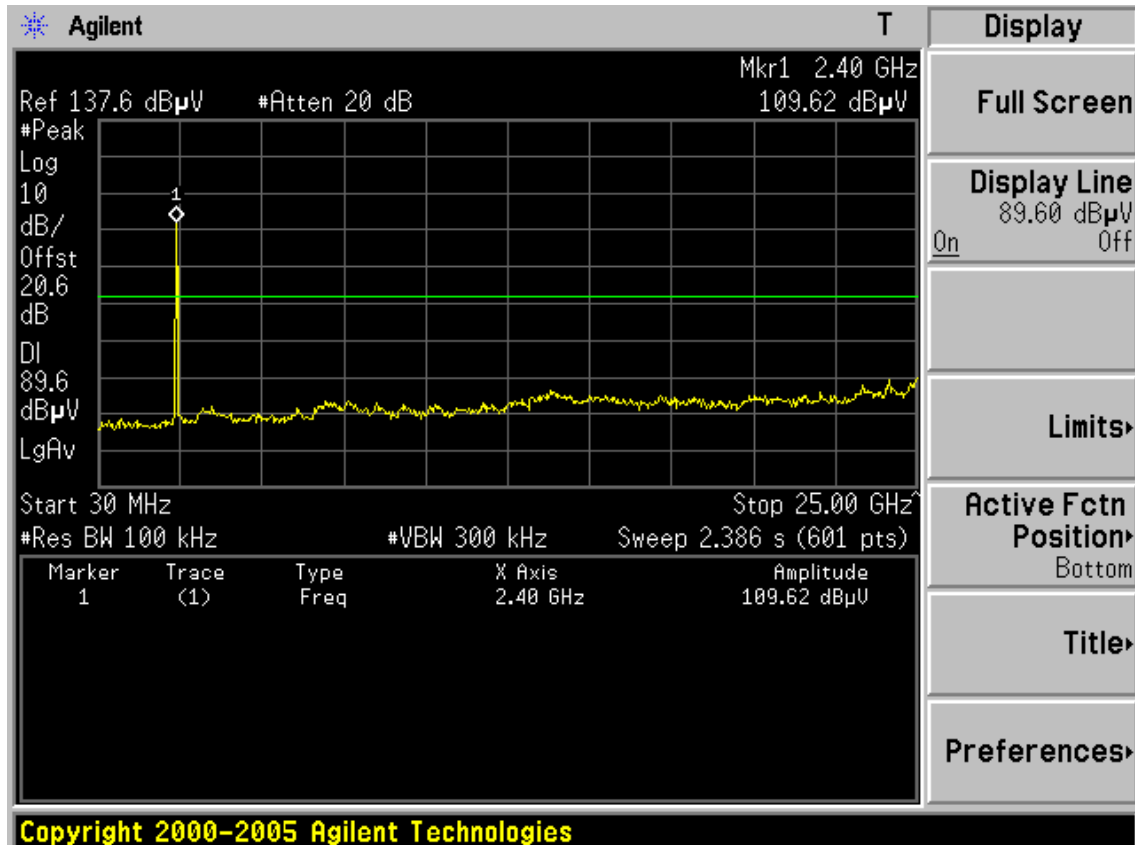


Test Mode: IEEE 802.11g TX
Test CH1: 2412MHz

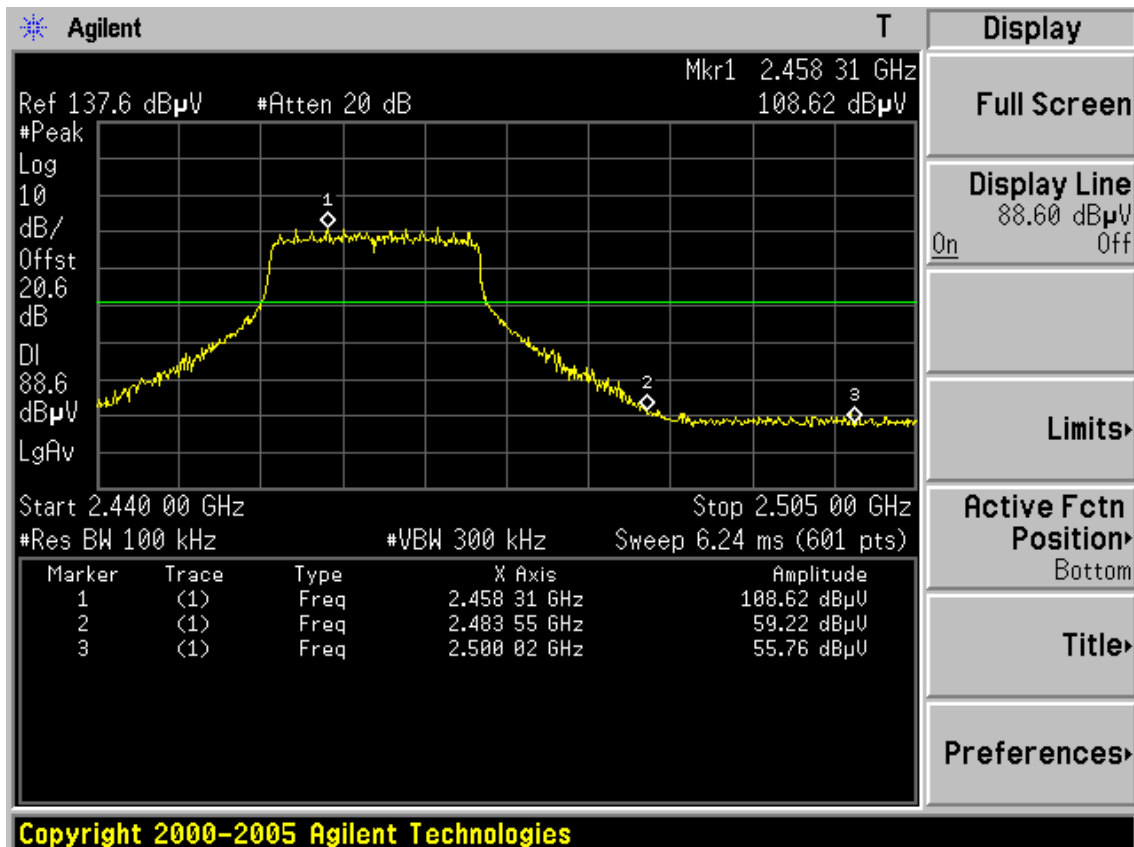
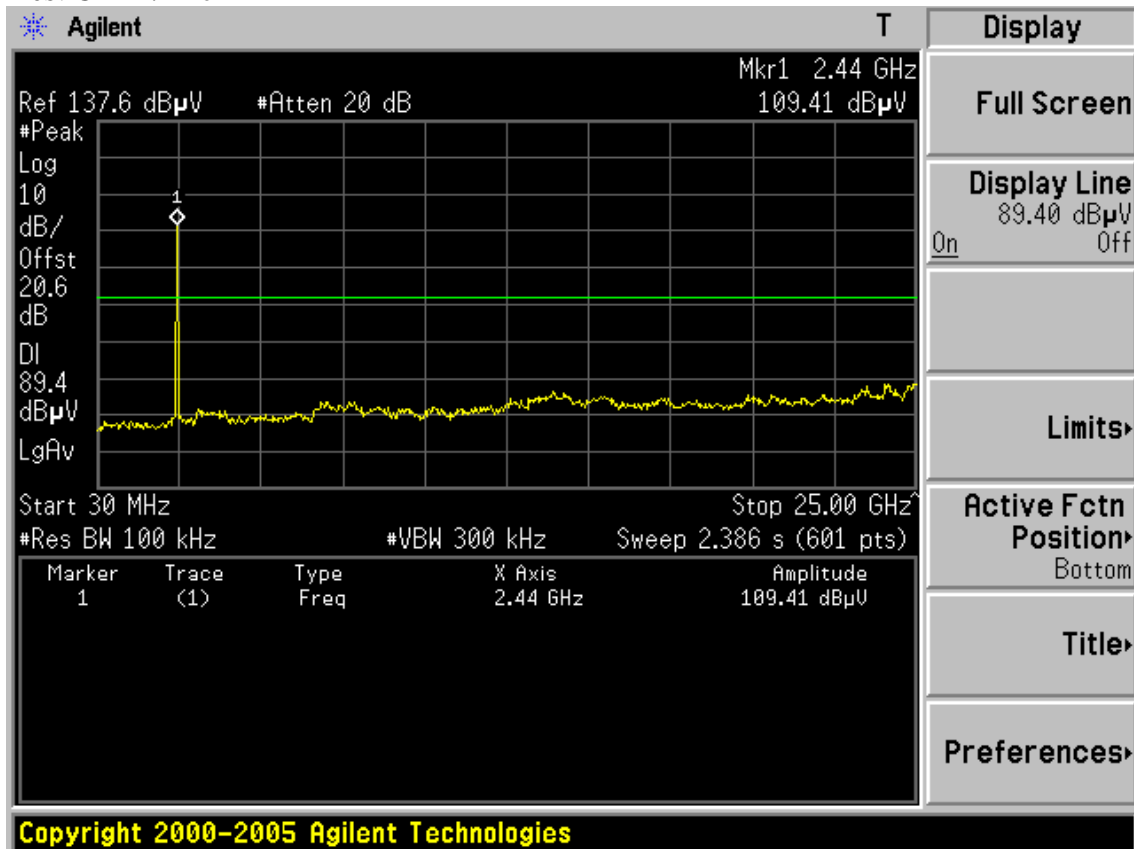




Test CH6: 2437MHz

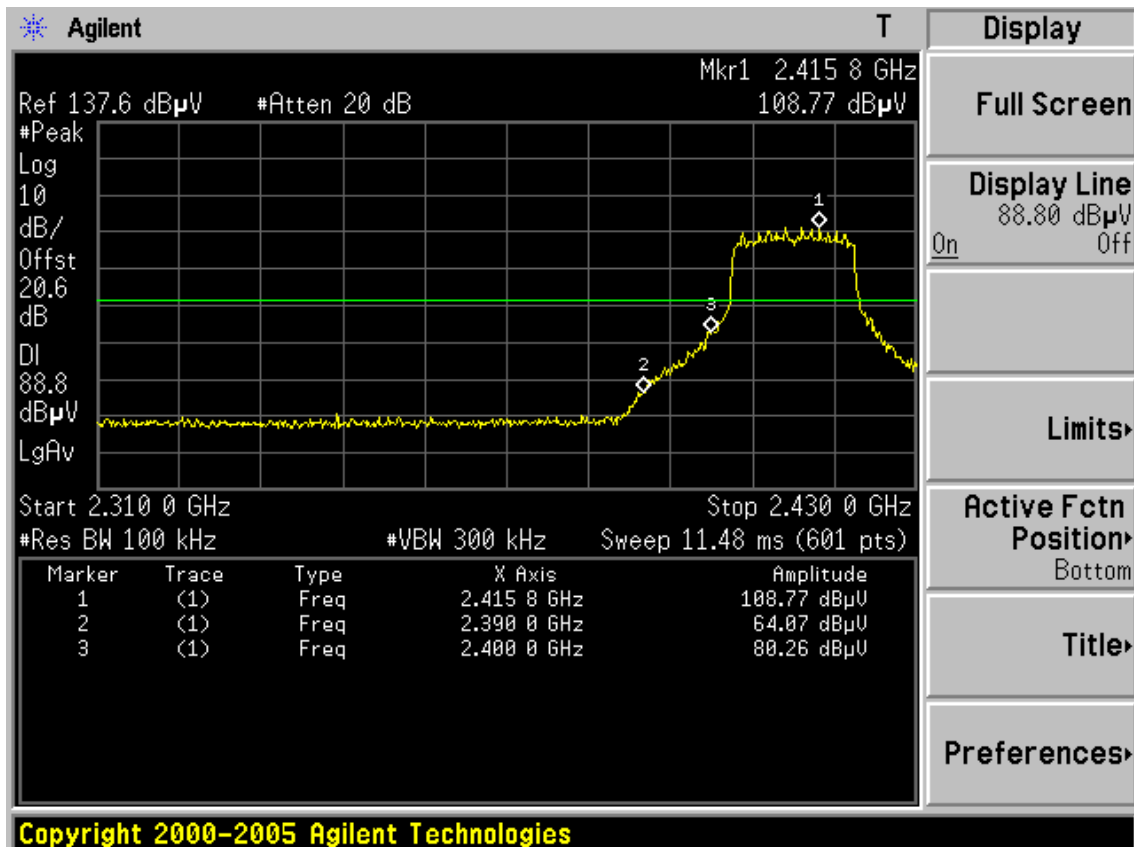
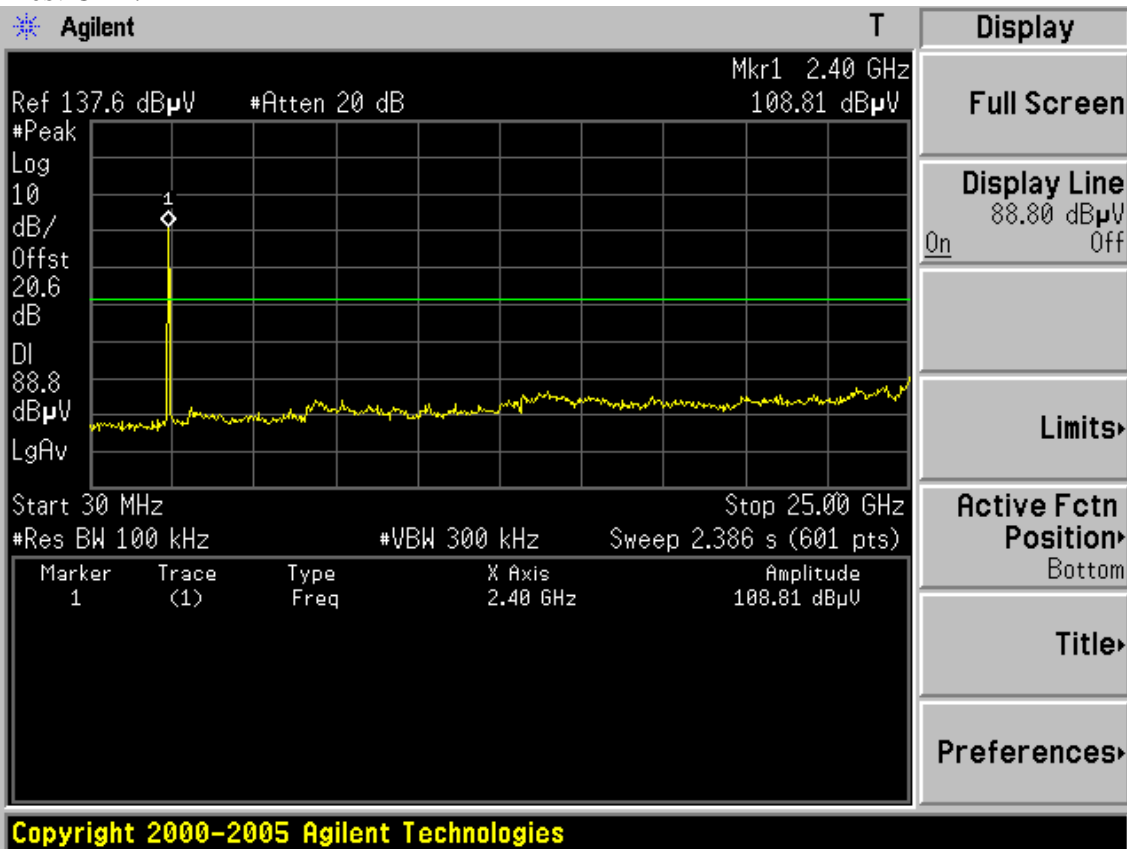


Test CH11: 2462MHz

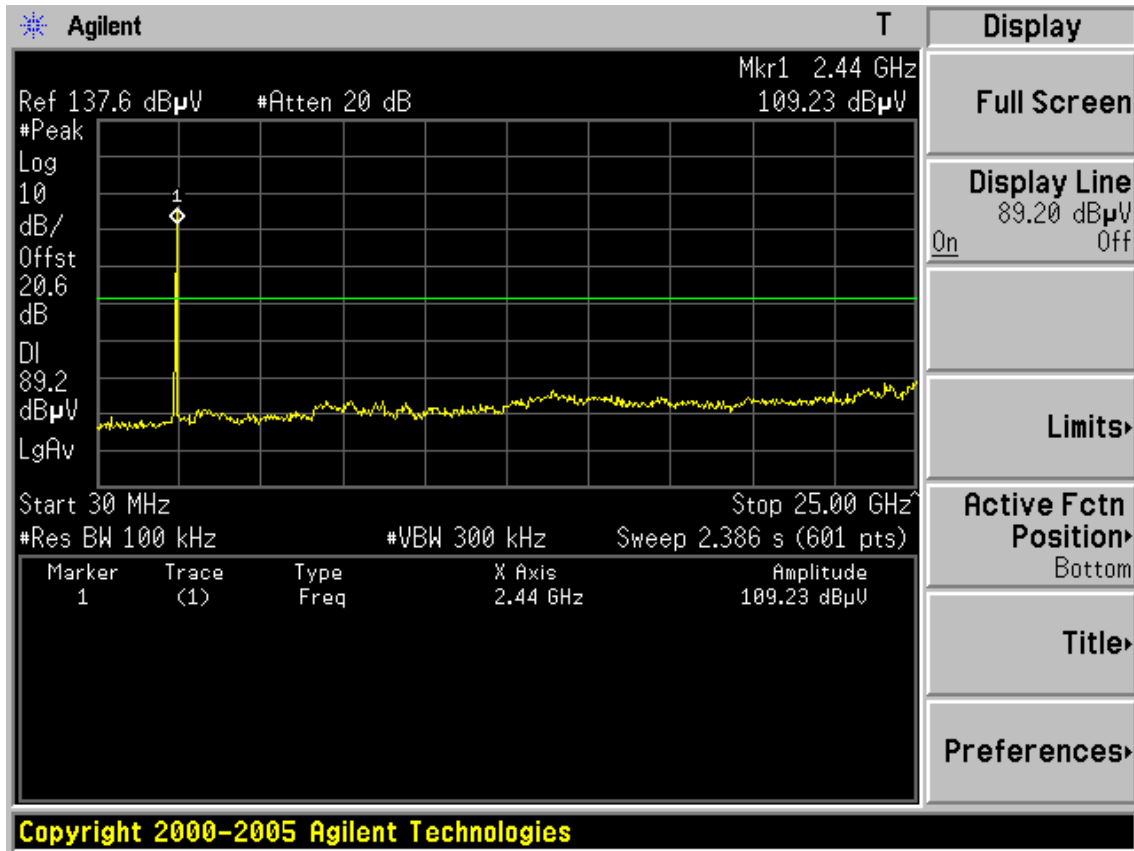


Test Mode: IEEE 802.11n HT20 TX

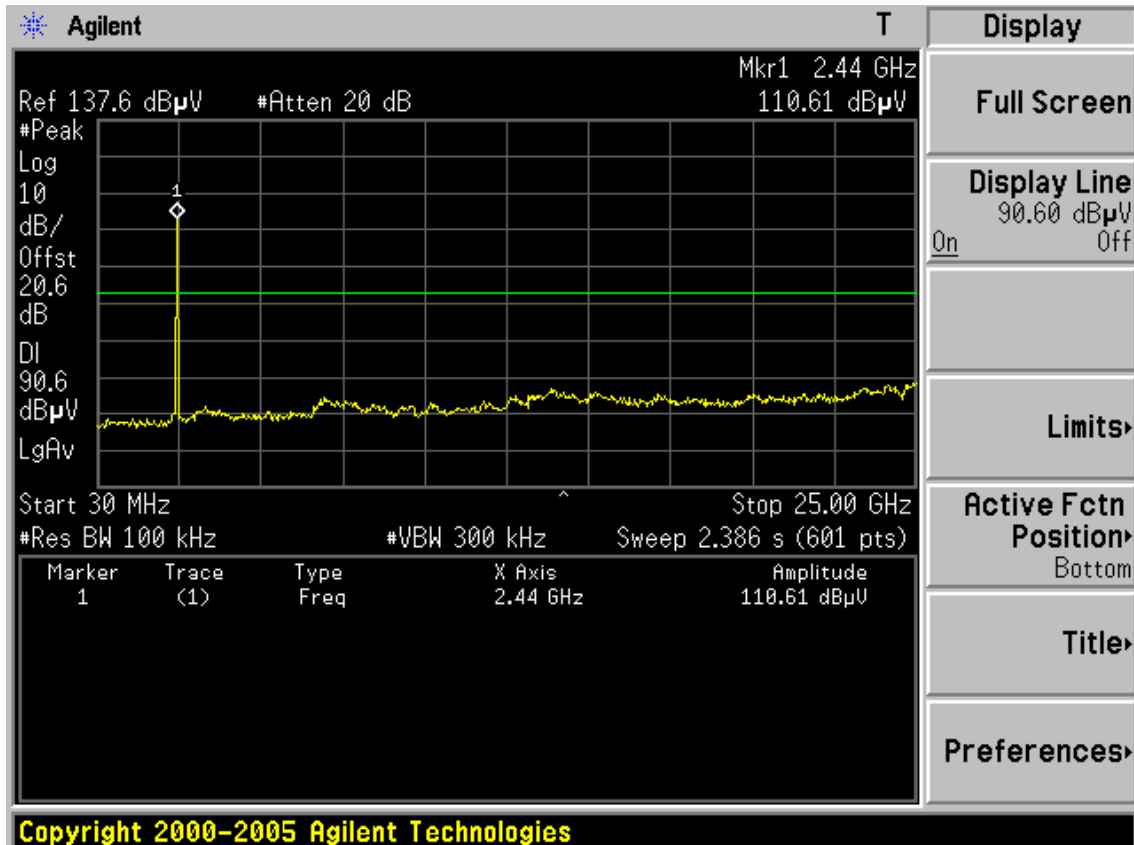
Test CH1: 2412MHz

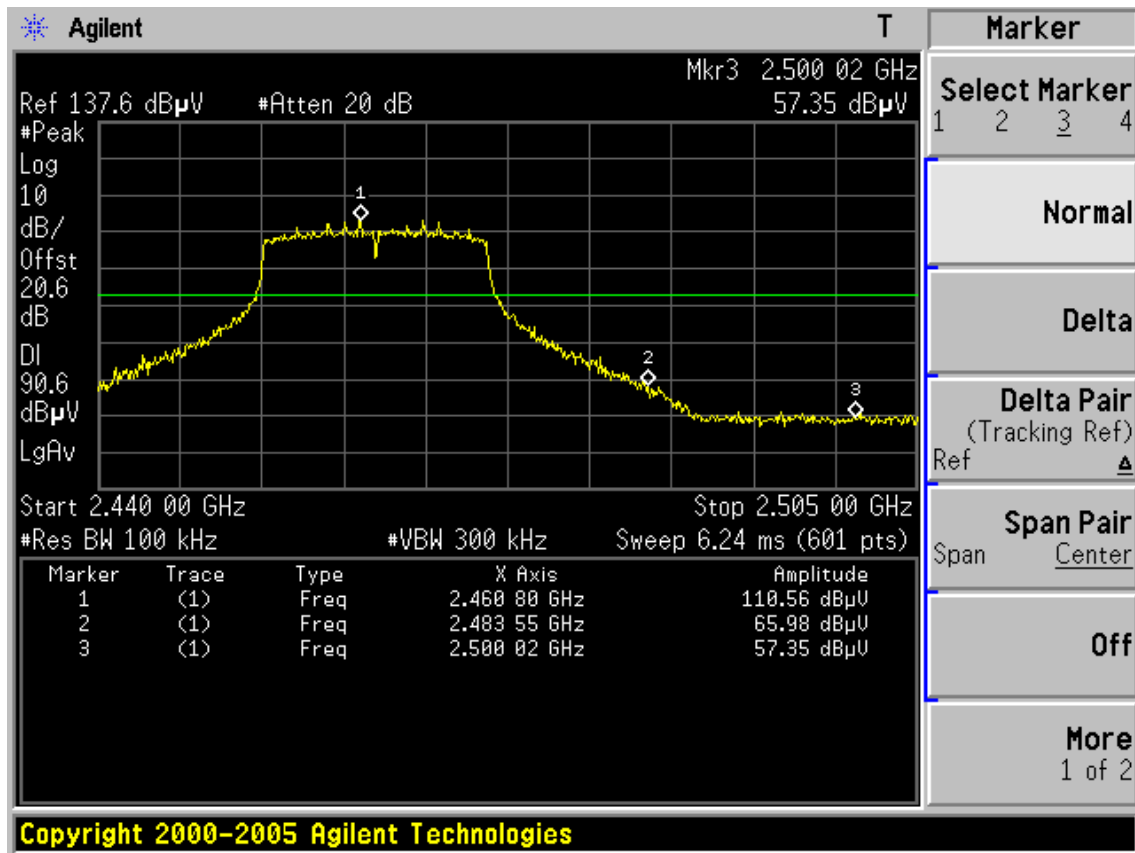


Test CH6: 2437MHz



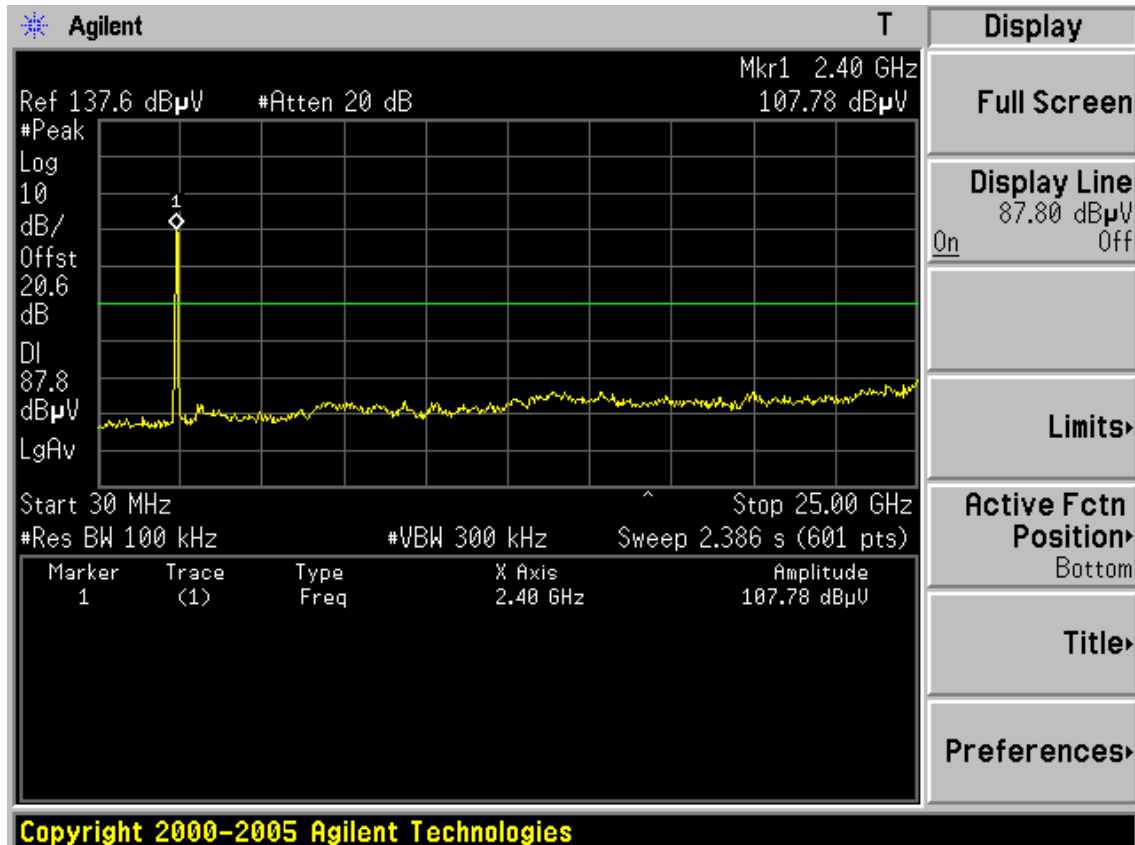
Test CH11: 2462MHz

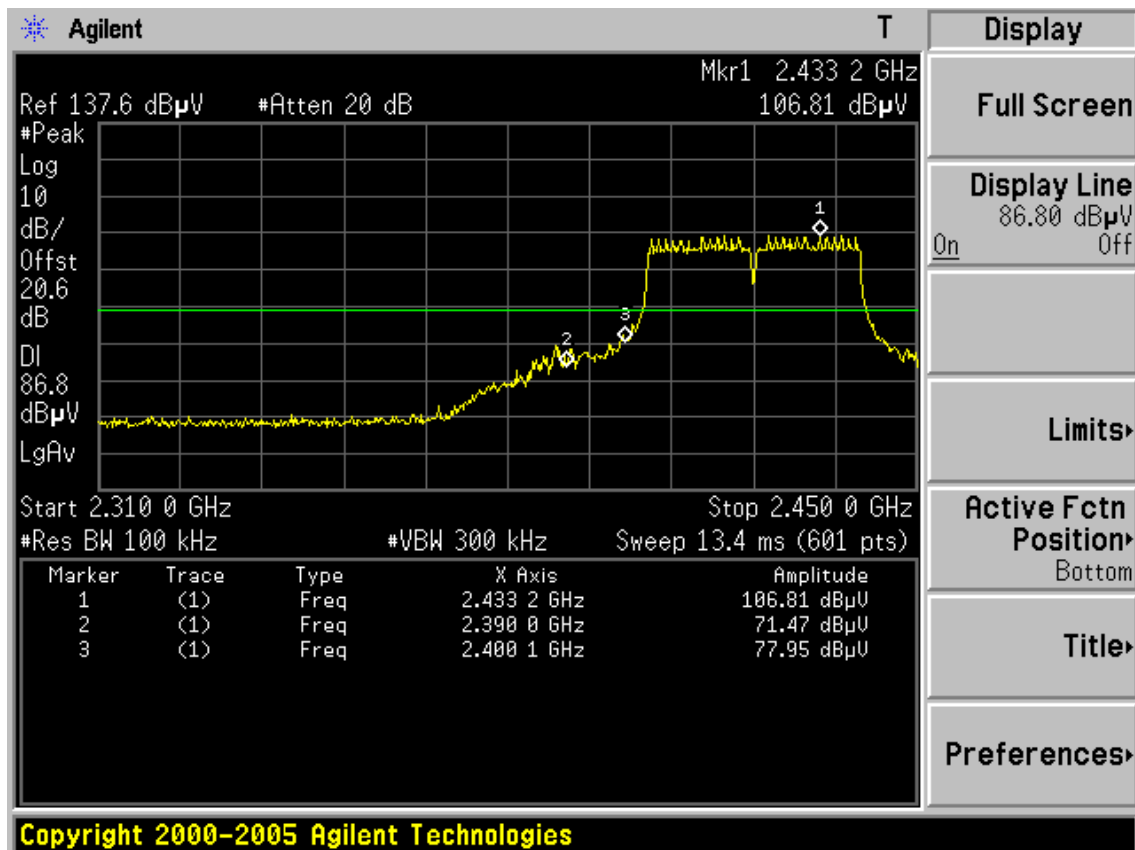




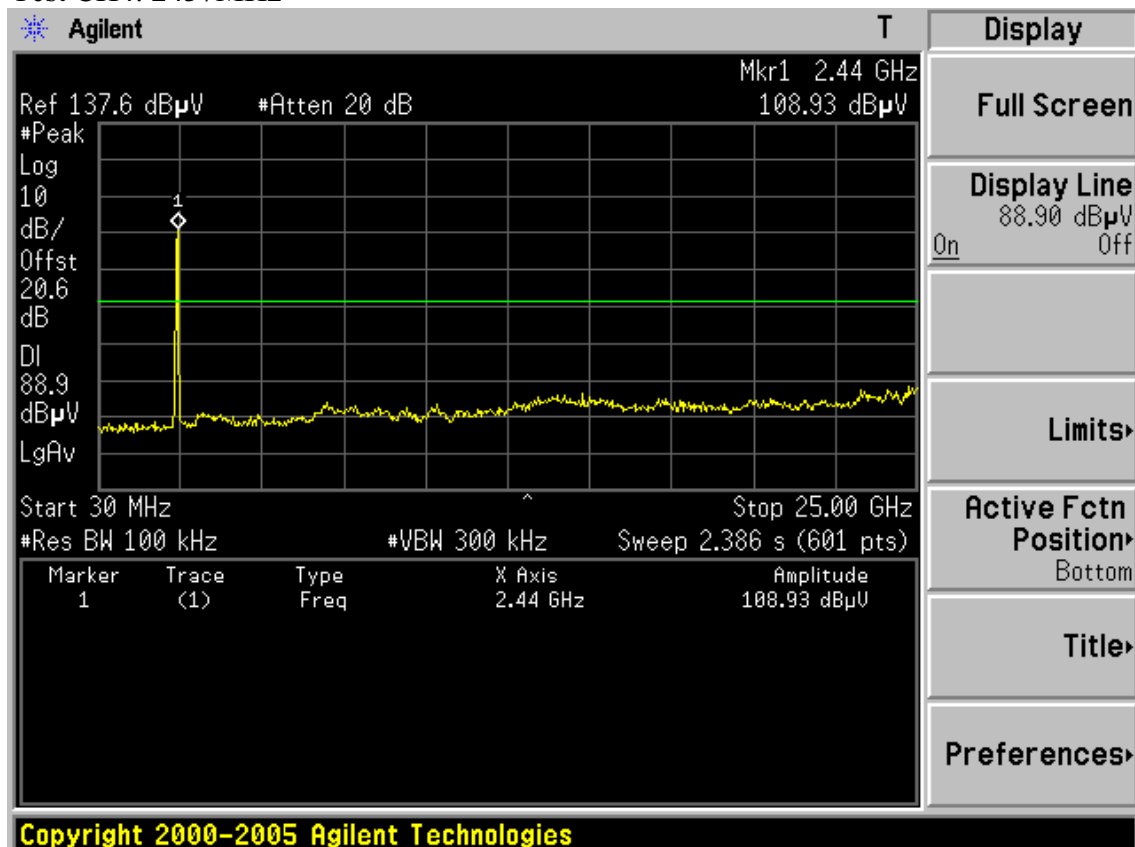
Test Mode: IEEE 802.11n HT40 TX

Test CH1: 2422MHz

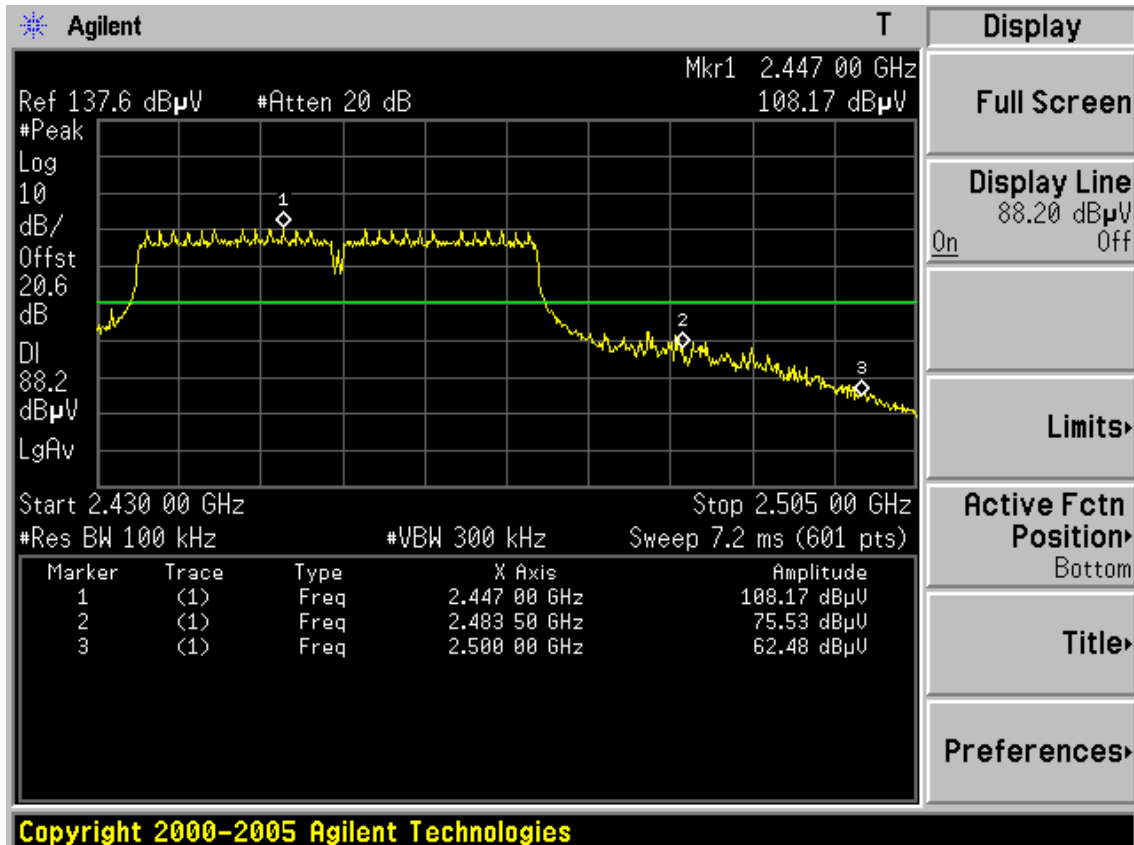
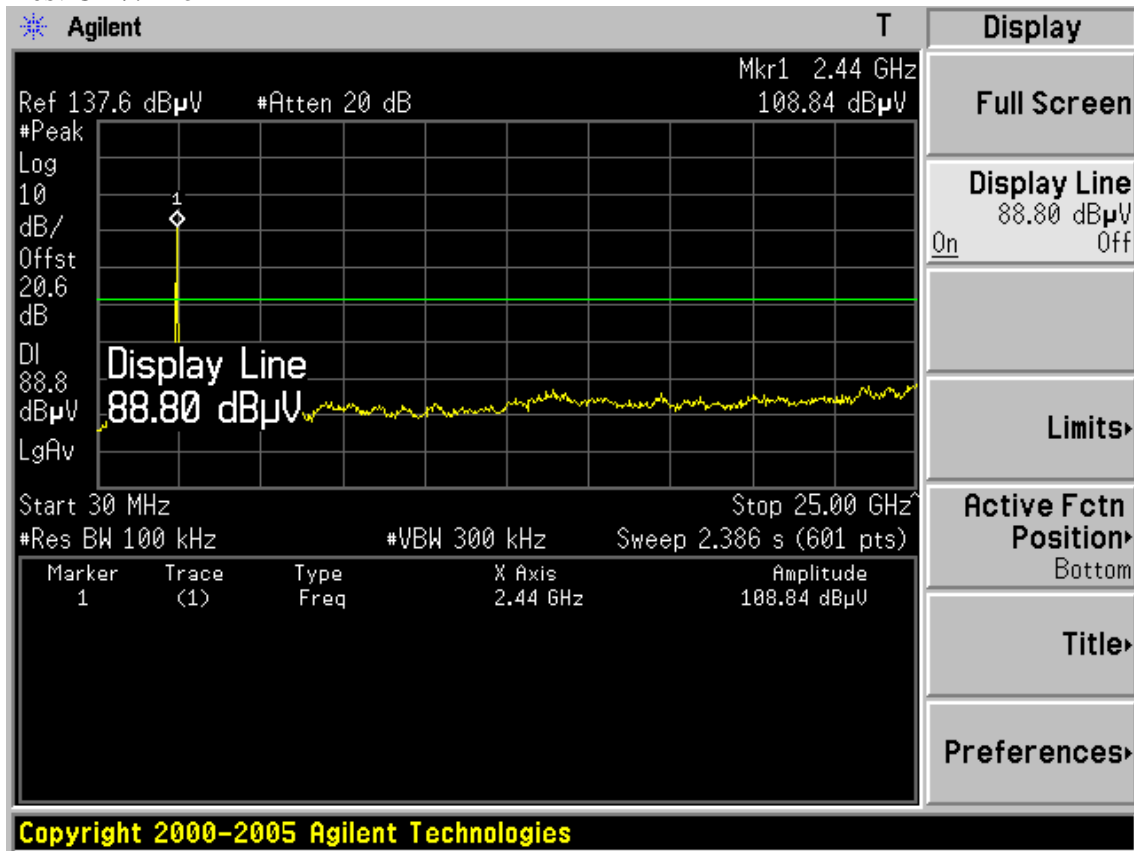




Test CH4: 2437MHz



Test CH7: 2452MHz



6. BAND EDGE COMPLIANCE TEST

6.1. Test Equipment

Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
1.	Spectrum Analyzer	Agilent	E4446A	US44300459	May.08,10	1 Year
2.	Horn Antenna	EMCO	3115	9607-4877	Nov.25, 09	1.5 Year
3.	Amplifier	Agilent	8449B	3008A02495	May.08, 10	1 Year
4.	RF Cable	Hubersuhner	SUCOFLEX102	28620/2	May.08,10	1 Year
5.	RF Cable	Hubersuhner	SUCOFLEX102	28618/2	May.08,10	1 Year
6.	RF Cable	Hubersuhner	SUCOFLEX102	28610/2	May.08,10	1 Year

6.2. Limit

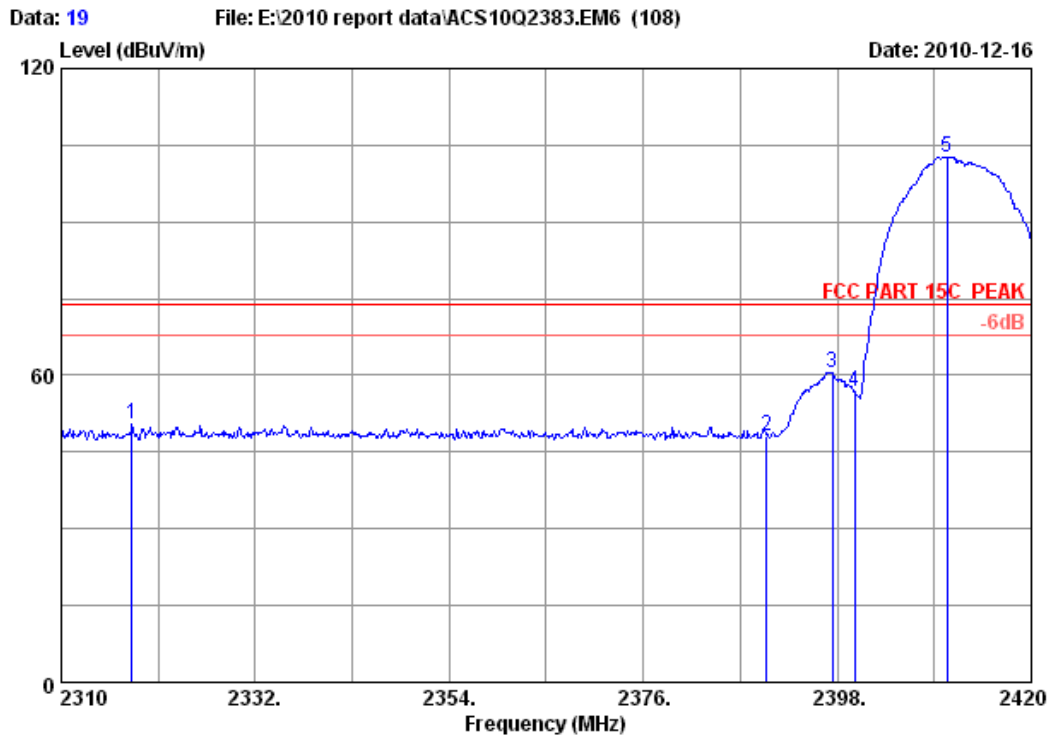
All the lower and upper band-edges emissions appearing within 2310MHz to 2390MHz and 2483.5MHz to 2500MHz restricted frequency bands shall not exceed the limits shown in 15.209, all the other emissions outside operation frequency band 2400MHz to 2483.5MHz shall be at least 20dB below the fundamental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

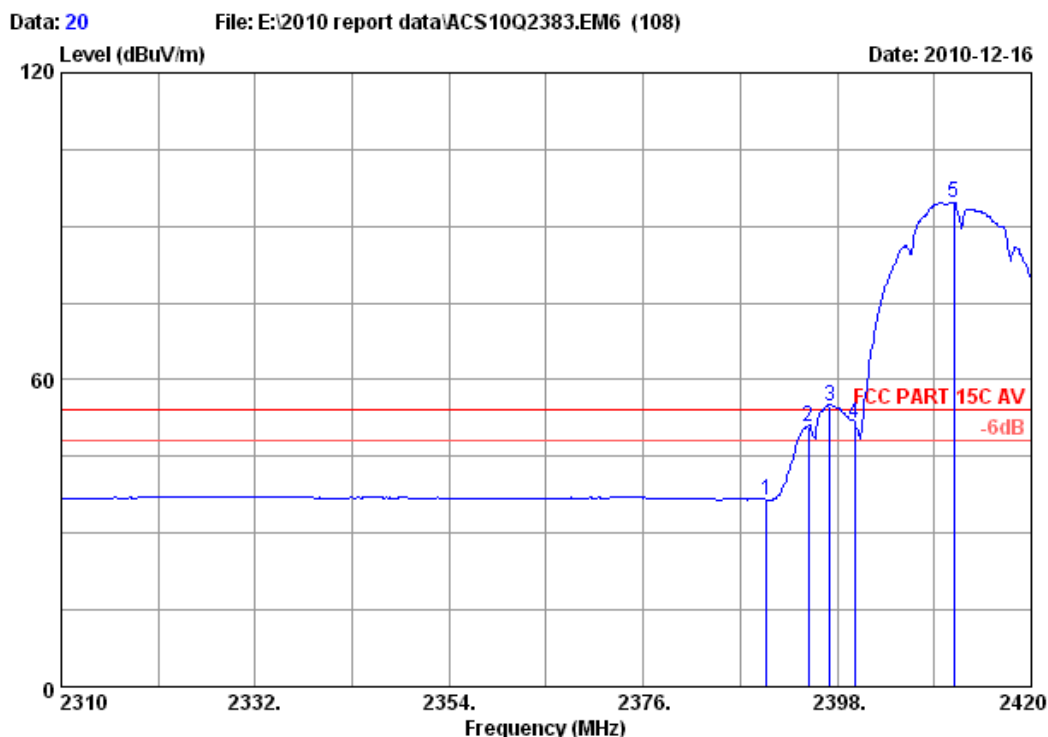


Site no. : RF Chamber Data no. : 19
 Dis. / Ant. : 3m 3115(0911) Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 23°C/54% Engineer : Paul Tian
 EUT : EZ Connect™ N 11n Wireless PCI Adapter
 Power : DC 3.3V From PC input AC 120V/60Hz
 Test mode : IEEE802.11b CH1 2412MHz
 M/N : SMCWPCI-N3

	Ant.	Cable	Amp.		Emission				
	Freq.	Factor	loss	Factor	Reading	Level	Limits	Margin	Remark
	(MHz)	(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)	
1	2318.030	29.40	8.52	36.06	48.56	50.42	74.00	23.58	Peak
2	2390.000	29.44	8.67	36.09	46.28	48.30	74.00	25.70	Peak
3	2397.450	29.44	8.72	36.09	58.40	60.47	74.00	13.53	Peak
4	2400.000	29.44	8.72	36.09	54.61	56.68	74.00	17.32	Peak
5	2410.430	29.45	8.72	35.95	100.41	102.63	74.00	-28.63	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.

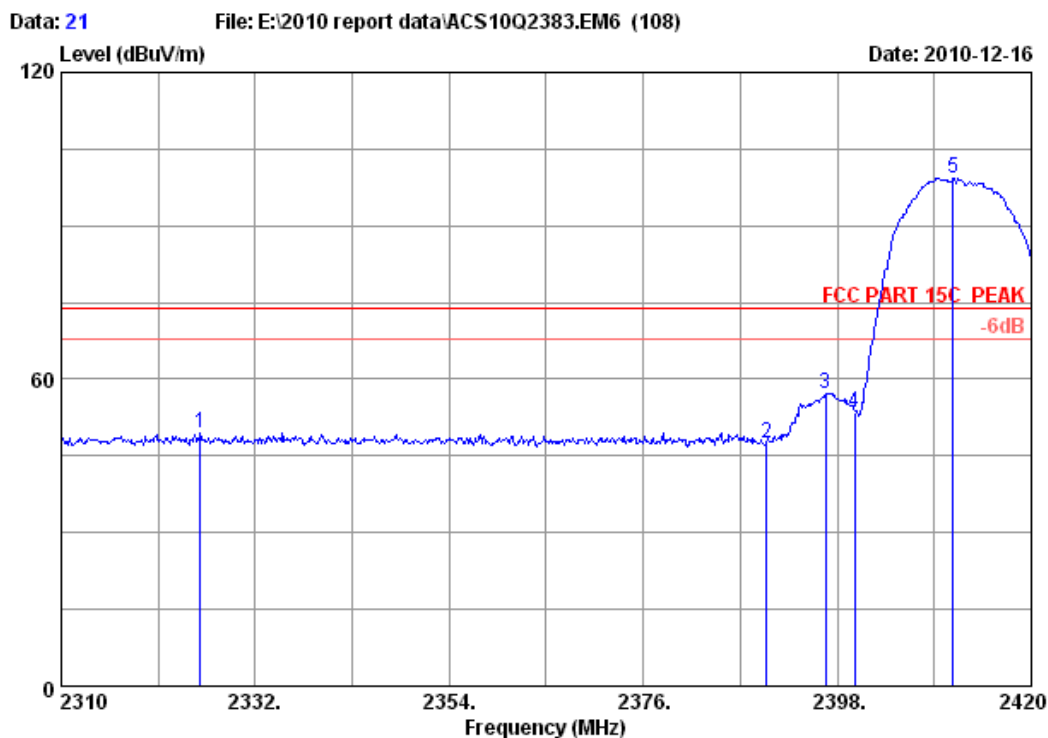


Site no. : RF Chamber Data no. : 20
 Dis. / Ant. : 3m 3115(0911) Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C AV
 Env. / Ins. : 23°C/54% Engineer : Paul Tian
 EUT : EZ Connect™ N 11n Wireless PCI Adapter
 Power : DC 3.3V From PC input AC 120V/60Hz
 Test mode : IEEE802.11b CH1 2412MHz
 M/N : SMCWPCI-N3

	Ant.	Cable	Amp.		Emission				
Freq.	Factor	loss	Factor	Reading	Level	Limits	Margin	Remark	
(MHz)	(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)		
1 2390.000	29.44	8.67	36.09	34.36	36.38	54.00	17.62	Average	
2 2394.700	29.44	8.67	36.09	48.78	50.80	54.00	3.20	Average	
3 2397.120	29.44	8.72	36.09	52.90	54.97	54.00	-0.97	Average	
4 2400.000	29.44	8.72	36.09	49.41	51.48	54.00	2.52	Average	
5 2411.200	29.45	8.72	35.95	92.42	94.64	54.00	-40.64	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.

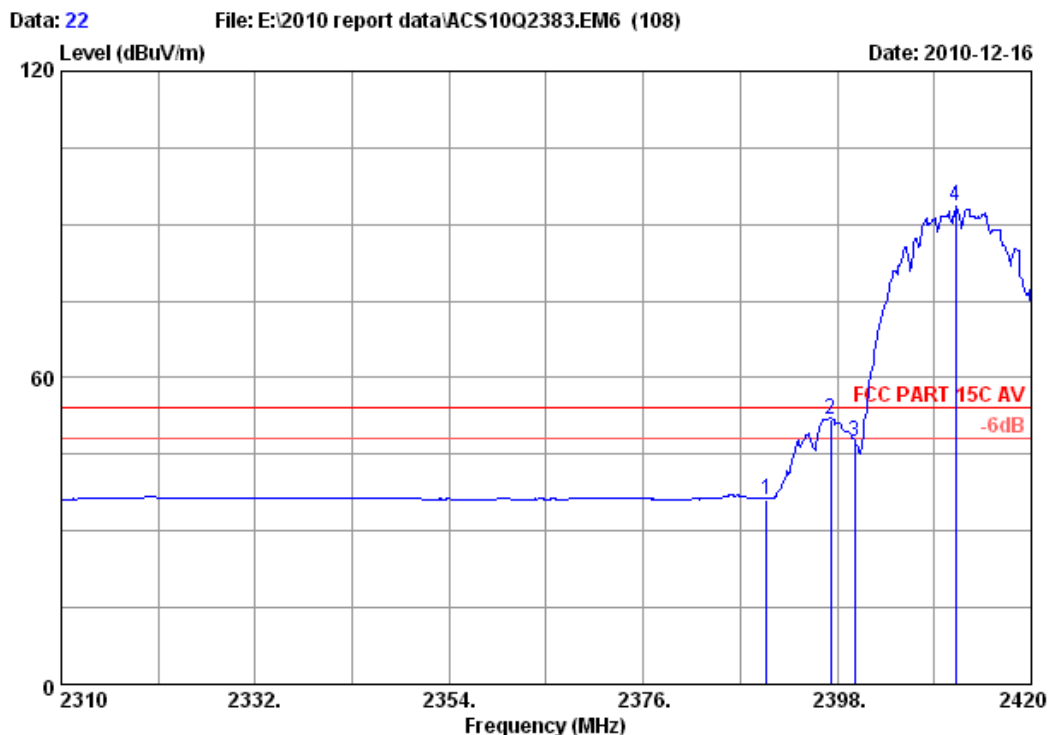


Site no. : RF Chamber Data no. : 21
 Dis. / Ant. : 3m 3115(0911) Ant. pol. : VERTICAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 23°C/54% Engineer : Paul Tian
 EUT : EZ Connect™ N 11n Wireless PCI Adapter
 Power : DC 3.3V From PC input AC 120V/60Hz
 Test mode : IEEE802.11b CH1 2412MHz
 M/N : SMCWPCI-N3

	Ant.	Cable	Amp.		Emission				
Freq.	Factor	loss	Factor	Reading	Level	Limits	Margin	Remark	
(MHz)	(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)		
1 2325.730	29.40	8.57	36.06	47.61	49.52	74.00	24.48	Peak	
2 2390.000	29.44	8.67	36.09	45.40	47.42	74.00	26.58	Peak	
3 2396.680	29.44	8.72	36.09	55.08	57.15	74.00	16.85	Peak	
4 2400.000	29.44	8.72	36.09	51.56	53.63	74.00	20.37	Peak	
5 2411.090	29.45	8.72	35.95	97.11	99.33	74.00	-25.33	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.

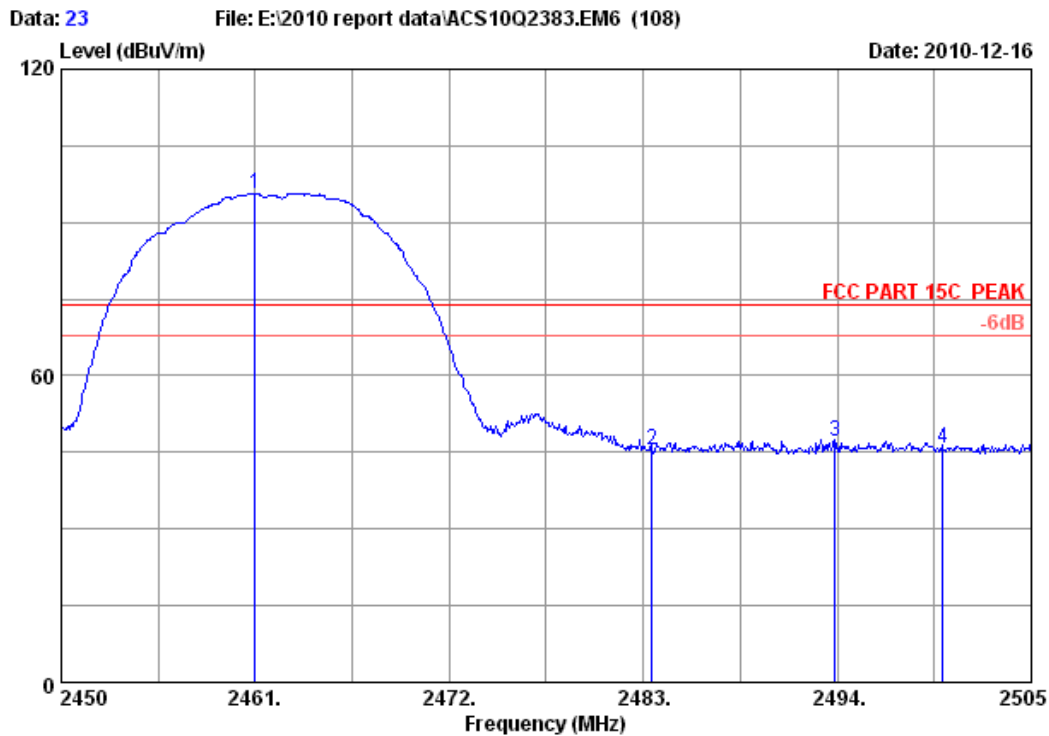


Site no. : RF Chamber Data no. : 22
 Dis. / Ant. : 3m 3115(0911) Ant. pol. : VERTICAL
 Limit : FCC PART 15C AV
 Env. / Ins. : 23°C/54% Engineer : Paul Tian
 EUT : EZ Connect™ N 11n Wireless PCI Adapter
 Power : DC 3.3V From PC input AC 120V/60Hz
 Test mode : IEEE802.11b CH1 2412MHz
 M/N : SMCWPCI-N3

	Ant.	Cable	Amp.		Emission				
Freq.	Factor	loss	Factor	Reading	Level	Limits	Margin	Remark	
(MHz)	(dB/m)	(dB)	(dB)	(dBUV)	(dBUV/m)	(dBUV/m)	(dB)		
1 2390.000	29.44	8.67	36.09	34.14	36.16	54.00	17.84	Average	
2 2397.230	29.44	8.72	36.09	49.79	51.86	54.00	2.14	Average	
3 2400.000	29.44	8.72	36.09	45.54	47.61	54.00	6.39	Average	
4 2411.420	29.45	8.72	35.95	91.25	93.47	54.00	-39.47	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.

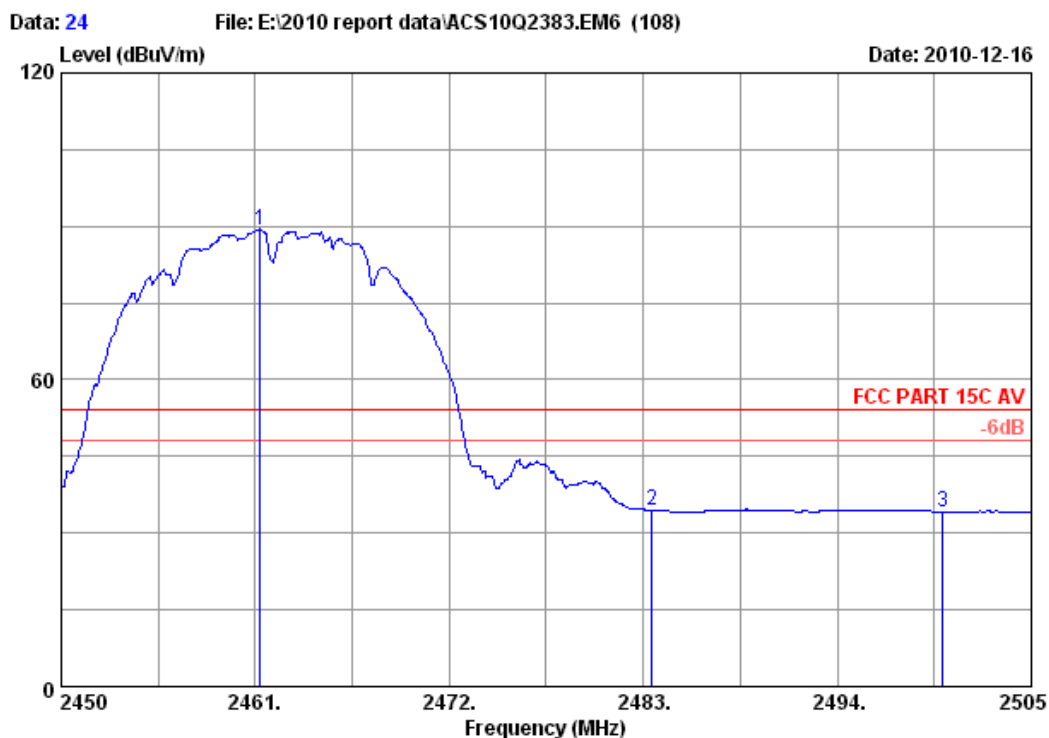


Site no. : RF Chamber Data no. : 23
 Dis. / Ant. : 3m 3115(0911) Ant. pol. : VERTICAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 23°C/54% Engineer : Paul Tian
 EUT : EZ Connect™ N 11n Wireless PCI Adapter
 Power : DC 3.3V From PC input AC 120V/60Hz
 Test mode : IEEE802.11b CH11 2462MHz
 M/N : SMCWPCI-N3

	Ant.	Cable	Amp.		Emission				
Freq.	Factor	loss	Factor	Reading	Level	Limits	Margin	Remark	
(MHz)	(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)		
1 2461.000	29.48	8.82	36.02	93.32	95.60	74.00	-21.60	Peak	
2 2483.500	29.49	8.87	35.97	43.22	45.61	74.00	28.39	Peak	
3 2493.890	29.50	8.87	36.00	44.84	47.21	74.00	26.79	Peak	
4 2500.000	29.50	8.92	36.00	43.31	45.73	74.00	28.27	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.

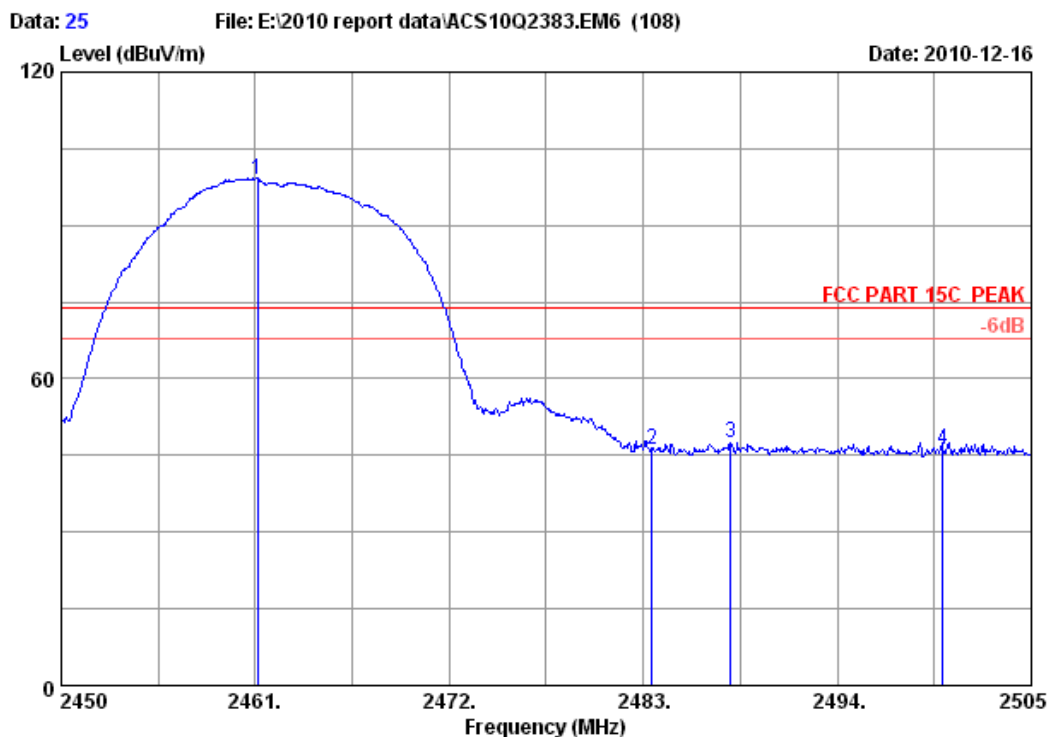


Site no. : RF Chamber Data no. : 24
 Dis. / Ant. : 3m 3115(0911) Ant. pol. : VERTICAL
 Limit : FCC PART 15C AV
 Env. / Ins. : 23°C/54% Engineer : Paul Tian
 EUT : EZ Connect™ N 11n Wireless PCI Adapter
 Power : DC 3.3V From PC input AC 120V/60Hz
 Test mode : IEEE802.11b CH11 2462MHz
 M/N : SMCWPCI-N3

	Ant.	Cable	Amp.		Emission				
Freq.	Factor	loss	Factor	Reading	Level	Limits	Margin	Remark	
(MHz)	(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)		
1 2461.275	29.48	8.82	36.02	86.98	89.26	54.00	-35.26	Average	
2 2483.500	29.49	8.87	35.97	32.05	34.44	54.00	19.56	Average	
3 2500.000	29.50	8.92	36.00	31.69	34.11	54.00	19.89	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.

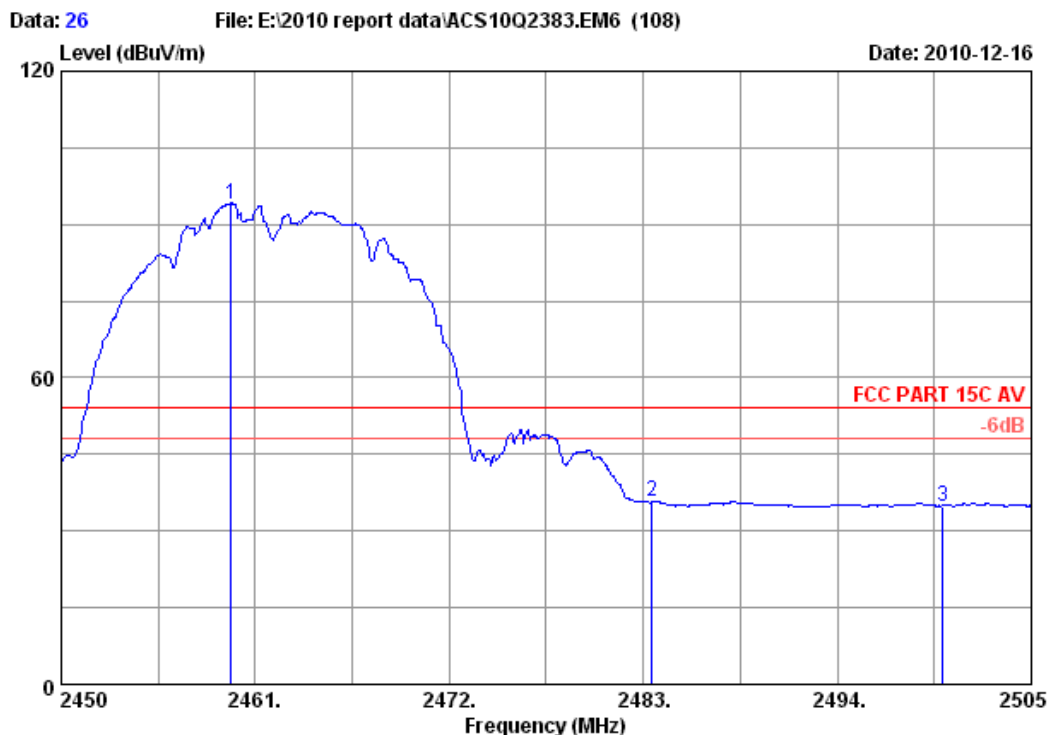


Site no. : RF Chamber Data no. : 25
 Dis. / Ant. : 3m 3115(0911) Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 23°C/54% Engineer : Paul Tian
 EUT : EZ Connect™ N 11n Wireless PCI Adapter
 Power : DC 3.3V From PC input AC 120V/60Hz
 Test mode : IEEE802.11b CH11 2462MHz
 M/N : SMCWPCI-N3

	Ant.	Cable	Amp.		Emission				
Freq.	Factor	loss	Factor	Reading	Level	Limits	Margin	Remark	
(MHz)	(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)		
1 2461.110	29.48	8.82	36.02	96.74	99.02	74.00	-25.02	Peak	
2 2483.500	29.49	8.87	35.97	43.84	46.23	74.00	27.77	Peak	
3 2487.950	29.50	8.87	36.00	44.95	47.32	74.00	26.68	Peak	
4 2500.000	29.50	8.92	36.00	43.87	46.29	74.00	27.71	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.

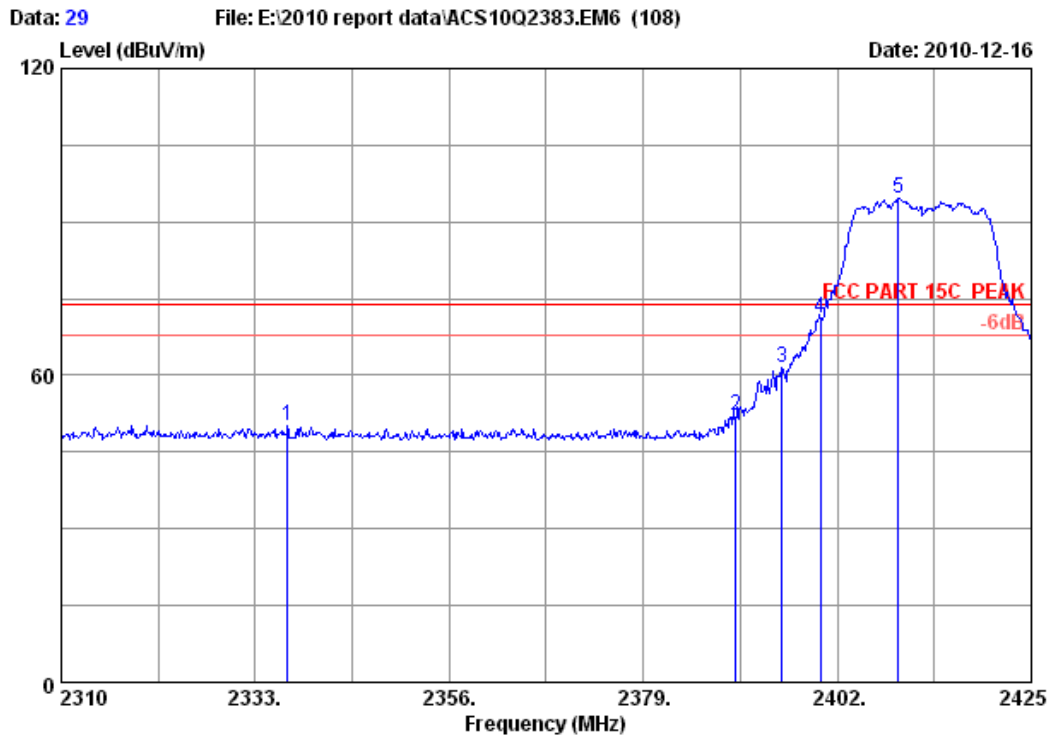


Site no. : RF Chamber Data no. : 26
 Dis. / Ant. : 3m 3115(0911) Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C AV
 Env. / Ins. : 23°C/54% Engineer : Paul Tian
 EUT : EZ Connect™ N 11n Wireless PCI Adapter
 Power : DC 3.3V From PC input AC 120V/60Hz
 Test mode : IEEE802.11b CH11 2462MHz
 M/N : SMCWPCI-N3

	Ant.	Cable	Amp.		Emission				
Freq.	Factor	loss	Factor	Reading	Level	Limits	Margin	Remark	
(MHz)	(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)		
1 2459.625	29.48	8.82	36.02	91.68	93.96	54.00	-39.96	Average	
2 2483.500	29.49	8.87	35.97	33.29	35.68	54.00	18.32	Average	
3 2500.000	29.50	8.92	36.00	32.48	34.90	54.00	19.10	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.

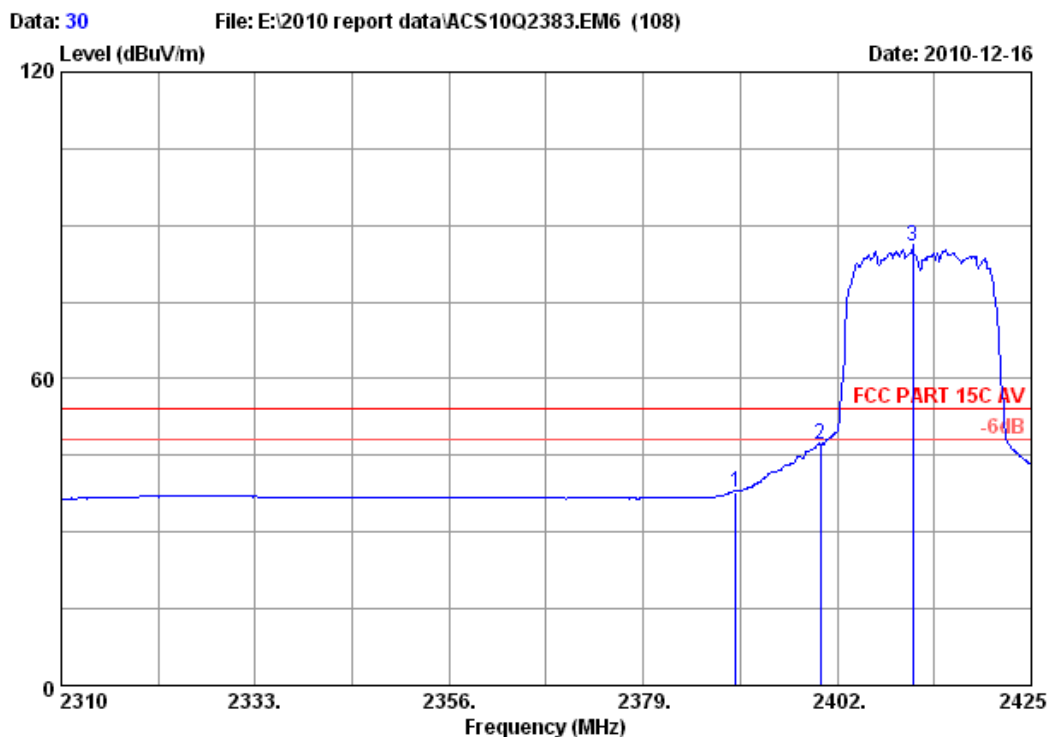


Site no. : RF Chamber Data no. : 29
 Dis. / Ant. : 3m 3115(0911) Ant. pol. : VERTICAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 23°C/54% Engineer : Paul Tian
 EUT : EZ Connect™ N 11n Wireless PCI Adapter
 Power : DC 3.3V From PC input AC 120V/60Hz
 Test mode : IEEE802.11g CH1 2412MHz
 M/N : SMCWPCI-N3

	Ant.	Cable	Amp.		Emission				
	Freq.	Factor	loss	Factor	Reading	Level	Limits	Margin	Remark
	(MHz)	(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)	
1	2336.795	29.41	8.57	35.99	48.15	50.14	74.00	23.86	Peak
2	2390.000	29.44	8.67	36.09	50.11	52.13	74.00	21.87	Peak
3	2395.445	29.44	8.67	36.09	59.37	61.39	74.00	12.61	Peak
4	2400.000	29.44	8.72	36.09	69.12	71.19	74.00	2.81	Peak
5	2409.245	29.45	8.72	35.95	92.32	94.54	74.00	-20.54	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.

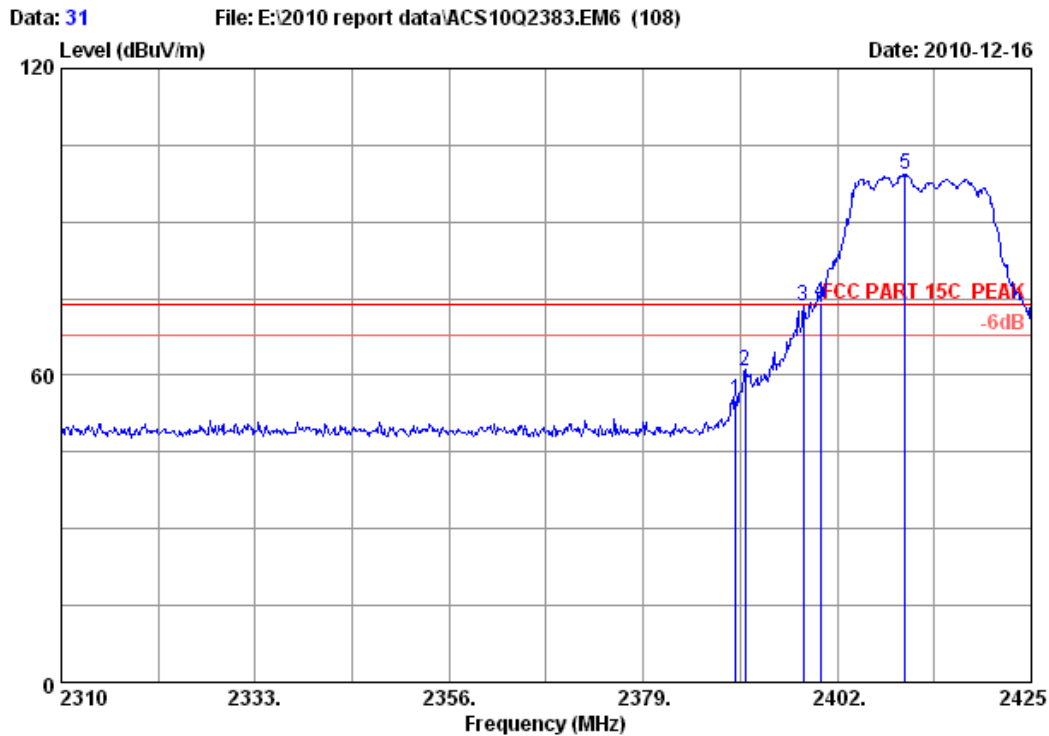


Site no. : RF Chamber Data no. : 30
 Dis. / Ant. : 3m 3115(0911) Ant. pol. : VERTICAL
 Limit : FCC PART 15C AV
 Env. / Ins. : 23°C/54% Engineer : Paul Tian
 EUT : EZ Connect™ N 11n Wireless PCI Adapter
 Power : DC 3.3V From PC input AC 120V/60Hz
 Test mode : IEEE802.11g CH1 2412MHz
 M/N : SMCWPCI-N3

	Ant.	Cable	Amp.		Emission				
Freq.	Factor	loss	Factor	Reading	Level	Limits	Margin	Remark	
(MHz)	(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)		
1 2390.000	29.44	8.67	36.09	35.83	37.85	54.00	16.15	Average	
2 2400.000	29.44	8.72	36.09	44.93	47.00	54.00	7.00	Average	
3 2410.970	29.45	8.72	35.95	83.83	86.05	54.00	-32.05	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.

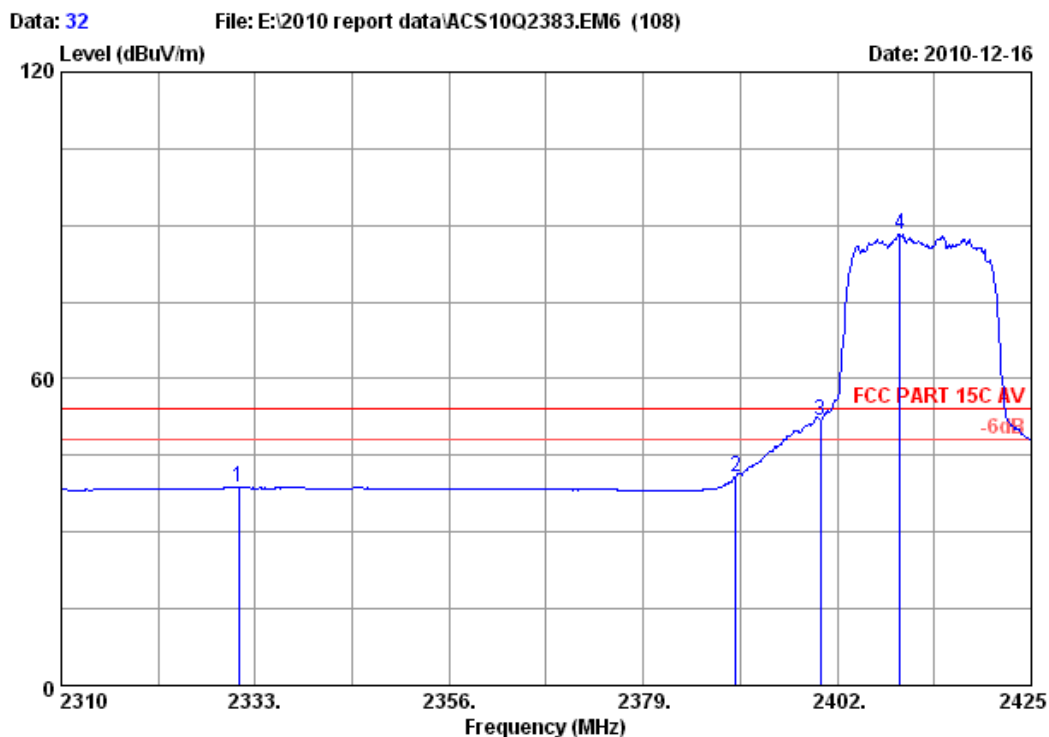


Site no. : RF Chamber Data no. : 31
 Dis. / Ant. : 3m 3115(0911) Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 23°C/54% Engineer : Paul Tian
 EUT : EZ Connect™ N 11n Wireless PCI Adapter
 Power : DC 3.3V From PC input AC 120V/60Hz
 Test mode : IEEE802.11g CH1 2412MHz
 M/N : SMCWPCI-N3

	Ant.	Cable	Amp.		Emission				
	Freq.	Factor	loss	Factor	Reading	Level	Limits	Margin	Remark
	(MHz)	(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)	
1	2390.000	29.44	8.67	36.09	53.23	55.25	74.00	18.75	Peak
2	2391.075	29.44	8.67	36.09	58.88	60.90	74.00	13.10	Peak
3	2397.975	29.44	8.72	36.09	71.31	73.38	74.00	0.62	Peak
4	2400.000	29.44	8.72	36.09	72.27	74.34	74.00	-0.34	Peak
5	2410.050	29.45	8.72	35.95	96.95	99.17	74.00	-25.17	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.

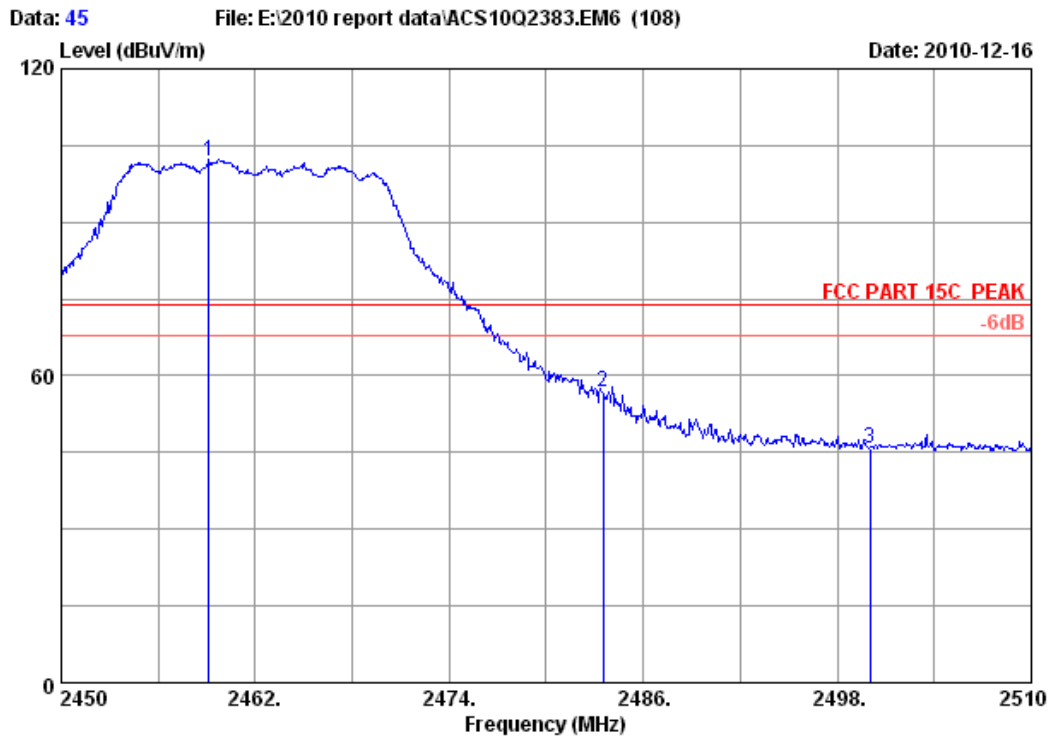


Site no. : RF Chamber Data no. : 32
 Dis. / Ant. : 3m 3115(0911) Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C AV
 Env. / Ins. : 23°C/54% Engineer : Paul Tian
 EUT : EZ Connect™ N 11n Wireless PCI Adapter
 Power : DC 3.3V From PC input AC 120V/60Hz
 Test mode : IEEE802.11g CH1 2412MHz
 M/N : SMCWPCI-N3

	Ant.	Cable	Amp.		Emission				
Freq.	Factor	loss	Factor	Reading	Level	Limits	Margin	Remark	
(MHz)	(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)		
1 2331.045	29.40	8.57	36.06	36.73	38.64	54.00	15.36	Average	
2 2390.000	29.44	8.67	36.09	38.87	40.89	54.00	13.11	Average	
3 2400.000	29.44	8.72	36.09	49.58	51.65	54.00	2.35	Average	
4 2409.475	29.45	8.72	35.95	86.12	88.34	54.00	-34.34	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.

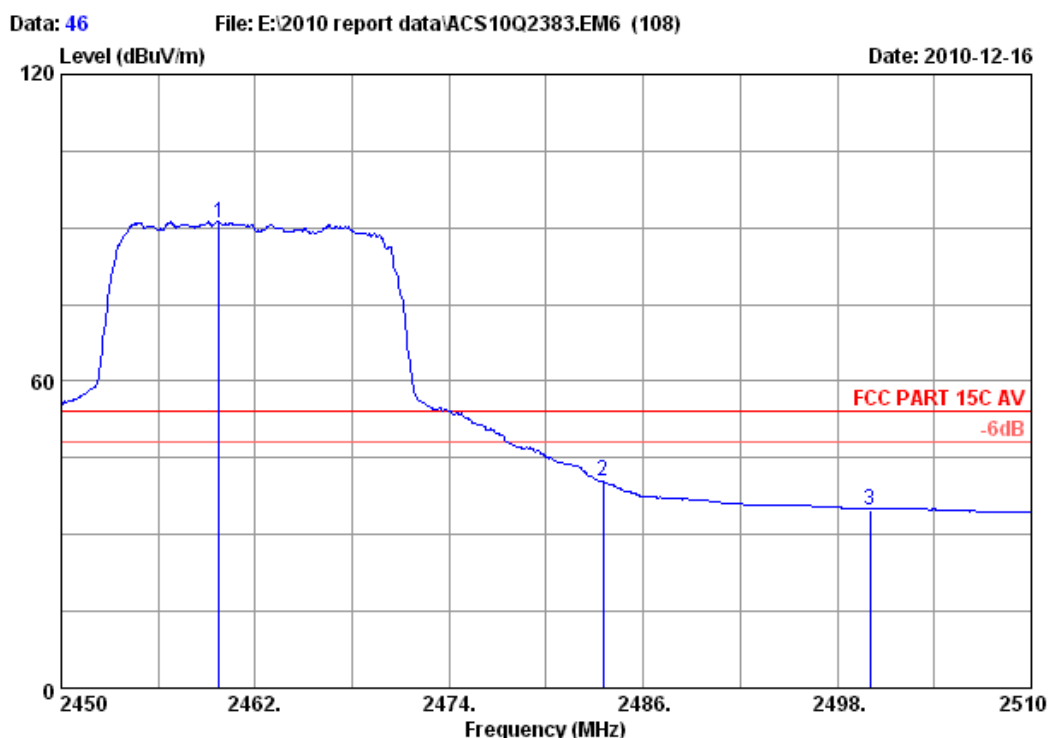


Site no. : RF Chamber Data no. : 45
 Dis. / Ant. : 3m 3115(0911) Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 23°C/54% Engineer : Paul Tian
 EUT : EZ Connect™ N 11n Wireless PCI Adapter
 Power : DC 3.3V From PC input AC 120V/60Hz
 Test mode : IEEE802.11g CH11 2462MHz
 M/N : SMCWPCI-N3

	Ant.	Cable	Amp.		Emission				
Freq.	Factor	loss	Factor	Reading	Level	Limits	Margin	Remark	
(MHz)	(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)		
1 2459.120	29.48	8.82	36.02	99.83	102.11	74.00	-28.11	Peak	
2 2483.500	29.49	8.87	35.97	54.48	56.87	74.00	17.13	Peak	
3 2500.000	29.50	8.92	36.00	43.35	45.77	74.00	28.23	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.

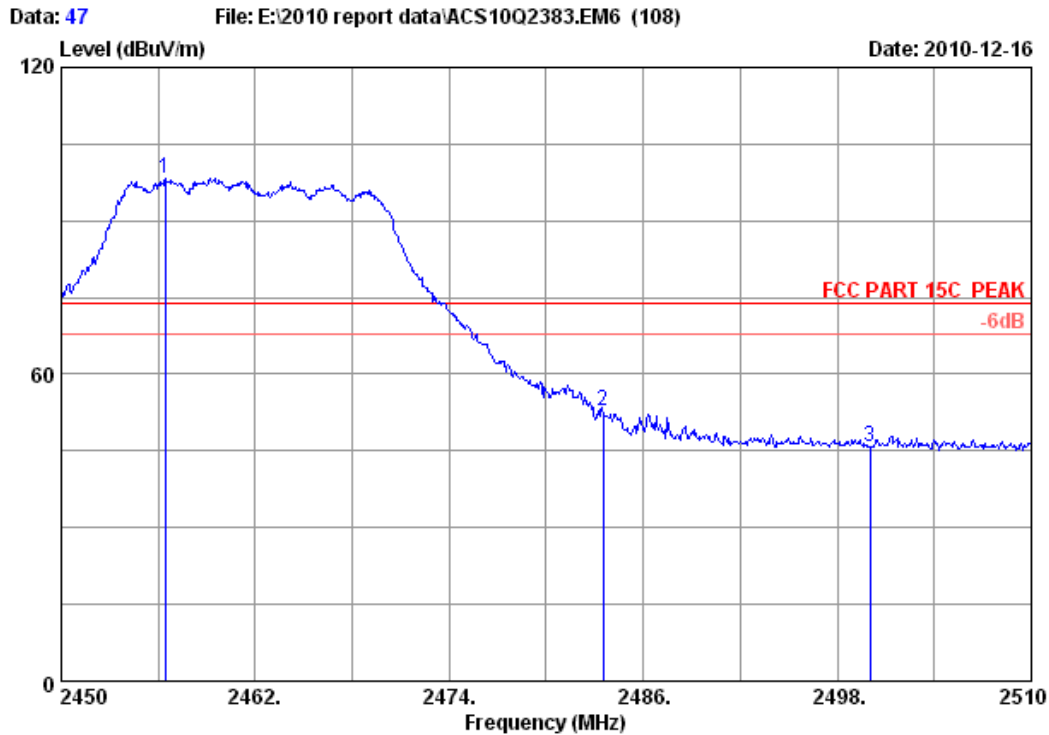


Site no. : RF Chamber Data no. : 46
 Dis. / Ant. : 3m 3115(0911) Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C AV
 Env. / Ins. : 23°C/54% Engineer : Paul Tian
 EUT : EZ Connect™ N 11n Wireless PCI Adapter
 Power : DC 3.3V From PC input AC 120V/60Hz
 Test mode : IEEE802.11g CH11 2462MHz
 M/N : SMCWPCI-N3

	Ant.	Cable	Amp.		Emission				
Freq.	Factor	loss	Factor	Reading	Level	Limits	Margin	Remark	
(MHz)	(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)		
1 2459.780	29.48	8.82	36.02	88.79	91.07	54.00	-37.07	Average	
2 2483.500	29.49	8.87	35.97	37.91	40.30	54.00	13.70	Average	
3 2500.000	29.50	8.92	36.00	32.49	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.

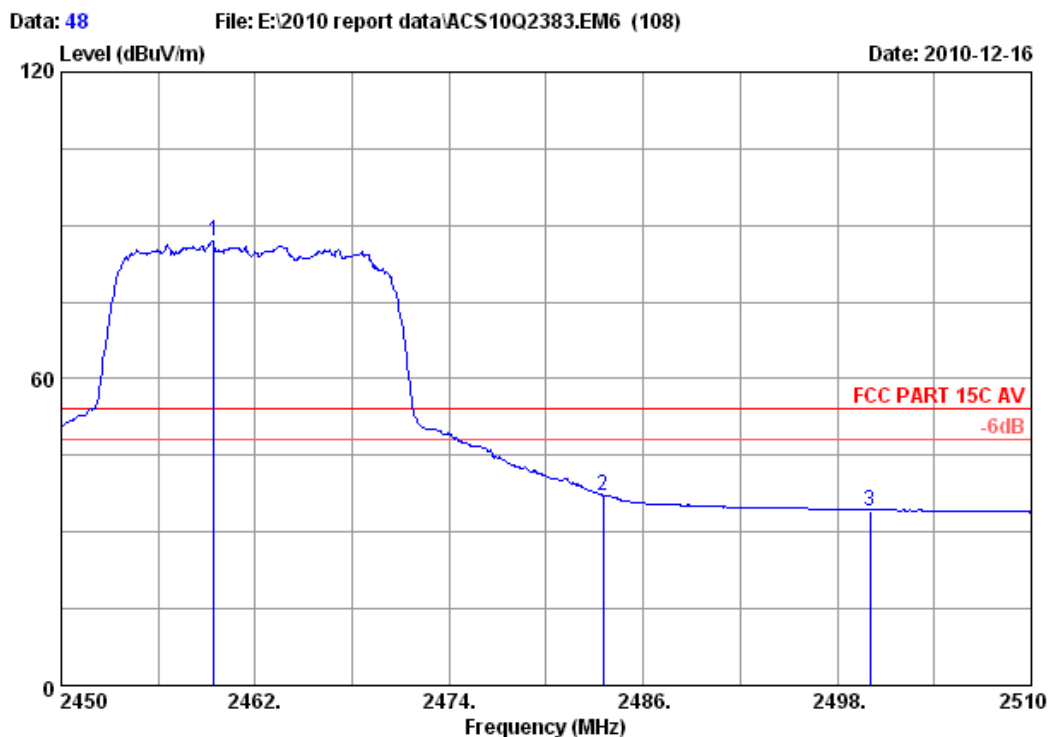


Site no. : RF Chamber Data no. : 47
 Dis. / Ant. : 3m 3115(0911) Ant. pol. : VERTICAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 23°C/54% Engineer : Paul Tian
 EUT : EZ Connect™ N 11n Wireless PCI Adapter
 Power : DC 3.3V From PC input AC 120V/60Hz
 Test mode : IEEE802.11g CH11 2462MHz
 M/N : SMCWPCI-N3

	Ant.	Cable	Amp.		Emission				
Freq.	Factor	loss	Factor	Reading	Level	Limits	Margin	Remark	
(MHz)	(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)		
1 2456.420	29.48	8.82	36.02	95.91	98.19	74.00	-24.19	Peak	
2 2483.500	29.49	8.87	35.97	50.51	52.90	74.00	21.10	Peak	
3 2500.000	29.50	8.92	36.00	43.22	45.64	74.00	28.36	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.

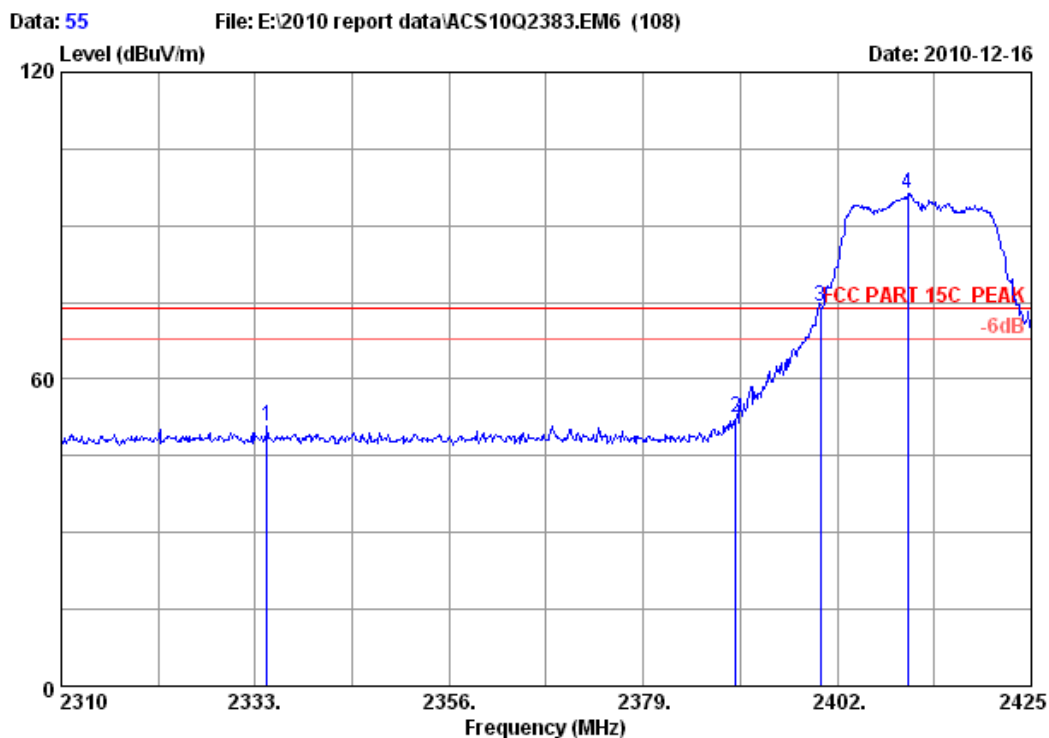


Site no. : RF Chamber Data no. : 48
 Dis. / Ant. : 3m 3115(0911) Ant. pol. : VERTICAL
 Limit : FCC PART 15C AV
 Env. / Ins. : 23°C/54% Engineer : Paul Tian
 EUT : EZ Connect™ N 11n Wireless PCI Adapter
 Power : DC 3.3V From PC input AC 120V/60Hz
 Test mode : IEEE802.11g CH11 2462MHz
 M/N : SMCWPCI-N3

	Freq.	Ant.	Cable	Amp.	Emission				
	(MHz)	Factor	loss	Factor	Reading	Level	Limits	Margin	Remark
		(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)	
1	2459.420	29.48	8.82	36.02	84.63	86.91	54.00	-32.91	Average
2	2483.500	29.49	8.87	35.97	34.77	37.16	54.00	16.84	Average
3	2500.000	29.50	8.92	36.00	31.77	34.19	54.00	19.81	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.

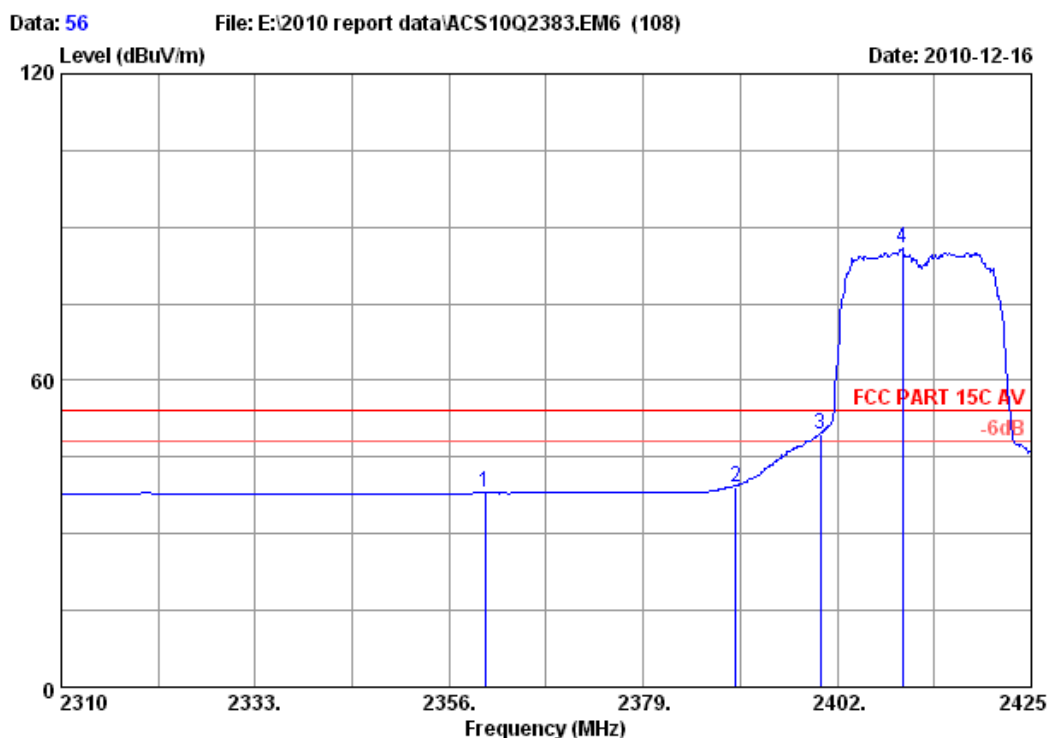


Site no. : RF Chamber Data no. : 55
 Dis. / Ant. : 3m 3115(0911) Ant. pol. : VERTICAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 23°C/54% Engineer : Paul Tian
 EUT : EZ Connect™ N 11n Wireless PCI Adapter
 Power : DC 3.3V From PC input AC 120V/60Hz
 Test mode : IEEE802.11n HT20 CH1 2412MHz
 M/N : SMCWPCI-N3

	Ant.	Cable	Amp.		Emission				
	Freq.	Factor	loss	Factor	Reading	Level	Limits	Margin	Remark
	(MHz)	(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)	
1	2334.380	29.40	8.57	36.06	48.76	50.67	74.00	23.33	Peak
2	2390.000	29.44	8.67	36.09	50.43	52.45	74.00	21.55	Peak
3	2400.000	29.44	8.72	36.09	72.18	74.25	74.00	-0.25	Peak
4	2410.395	29.45	8.72	35.95	94.00	96.22	74.00	-22.22	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.

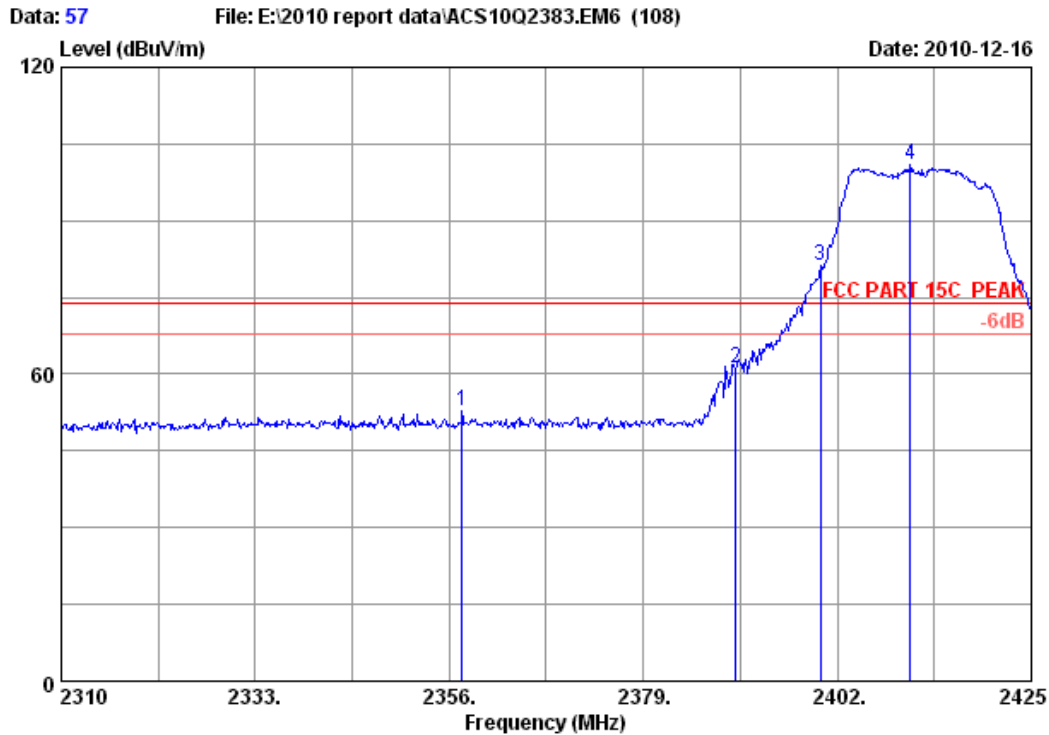


Site no. : RF Chamber Data no. : 56
 Dis. / Ant. : 3m 3115(0911) Ant. pol. : VERTICAL
 Limit : FCC PART 15C AV
 Env. / Ins. : 23°C/54% Engineer : Paul Tian
 EUT : EZ Connect™ N 11n Wireless PCI Adapter
 Power : DC 3.3V From PC input AC 120V/60Hz
 Test mode : IEEE802.11n HT20 CH1 2412MHz
 M/N : SMCWPCI-N3

	Ant.	Cable	Amp.		Emission				
Freq.	Factor	loss	Factor	Reading	Level	Limits	Margin	Remark	
(MHz)	(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)		
1 2360.255	29.42	8.62	35.91	36.12	38.25	54.00	15.75	Average	
2 2390.000	29.44	8.67	36.09	37.21	39.23	54.00	14.77	Average	
3 2400.000	29.44	8.72	36.09	47.45	49.52	54.00	4.48	Average	
4 2409.705	29.45	8.72	35.95	83.53	85.75	54.00	-31.75	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.

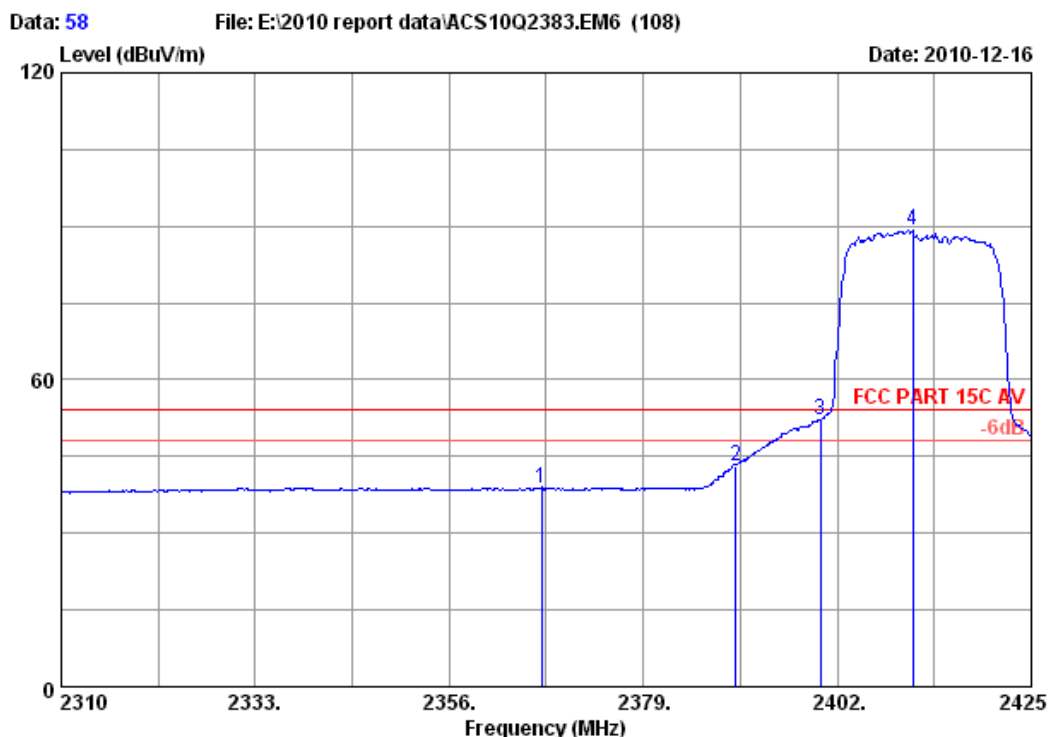


Site no. : RF Chamber Data no. : 57
 Dis. / Ant. : 3m 3115(0911) Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 23°C/54% Engineer : Paul Tian
 EUT : EZ Connect™ N 11n Wireless PCI Adapter
 Power : DC 3.3V From PC input AC 120V/60Hz
 Test mode : IEEE802.11n HT20 CH1 2412MHz
 M/N : SMCWPCI-N3

	Ant.	Cable	Amp.		Emission				
Freq.	Factor	loss	Factor	Reading	Level	Limits	Margin	Remark	
(MHz)	(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)		
1 2357.495	29.42	8.62	35.91	50.70	52.83	74.00	21.17	Peak	
2 2390.000	29.44	8.67	36.09	59.22	61.24	74.00	12.76	Peak	
3 2400.000	29.44	8.72	36.09	79.02	81.09	74.00	-7.09	Peak	
4 2410.625	29.45	8.72	35.95	98.60	100.82	74.00	-26.82	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.

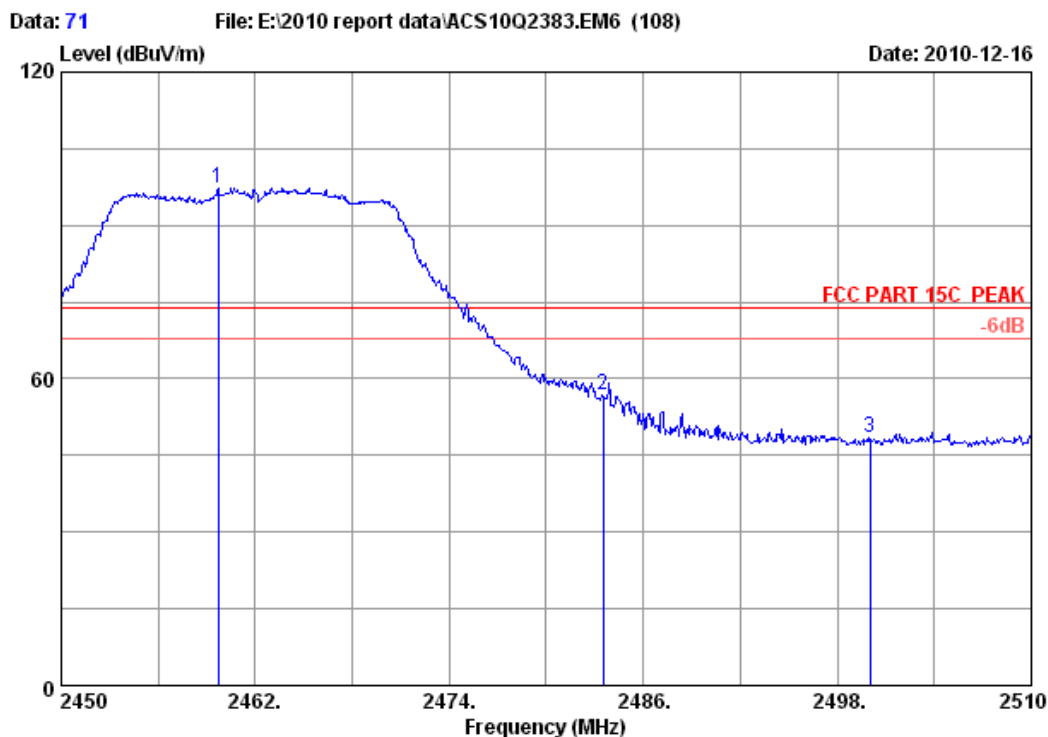


Site no. : RF Chamber Data no. : 58
 Dis. / Ant. : 3m 3115(0911) Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C AV
 Env. / Ins. : 23°C/54% Engineer : Paul Tian
 EUT : EZ Connect™ N 11n Wireless PCI Adapter
 Power : DC 3.3V From PC input AC 120V/60Hz
 Test mode : IEEE802.11n HT20 CH1 2412MHz
 M/N : SMCWPCI-N3

	Ant.	Cable	Amp.		Emission				
Freq.	Factor	loss	Factor	Reading	Level	Limits	Margin	Remark	
(MHz)	(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)		
1	2366.925	29.42	8.62	35.91	36.81	38.94	54.00	15.06	Average
2	2390.000	29.44	8.67	36.09	41.19	43.21	54.00	10.79	Average
3	2400.000	29.44	8.72	36.09	50.06	52.13	54.00	1.87	Average
4	2410.970	29.45	8.72	35.95	87.02	89.24	54.00	-35.24	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.

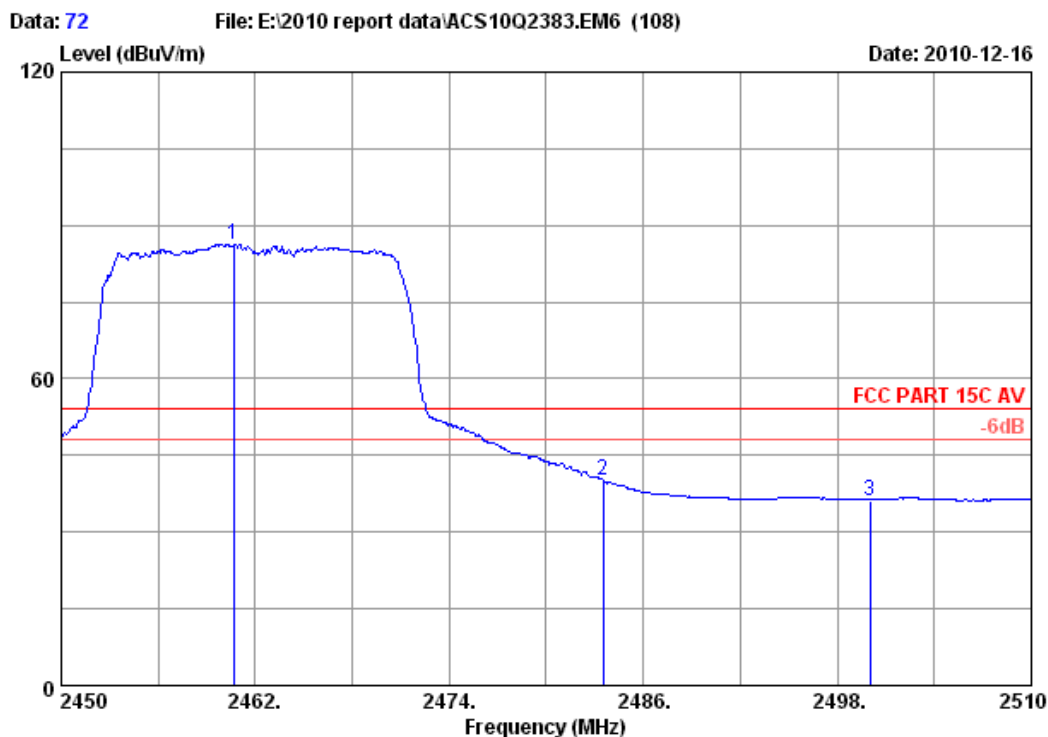


Site no. : RF Chamber Data no. : 71
 Dis. / Ant. : 3m 3115(0911) Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 23°C/54% Engineer : Paul Tian
 EUT : EZ Connect™ N 11n Wireless PCI Adapter
 Power : DC 3.3V From PC input AC 120V/60Hz
 Test mode : IEEE802.11n HT20 CH11 2462MHz
 M/N : SMCWPCI-N3

	Ant.	Cable	Amp.		Emission				
Freq.	Factor	loss	Factor	Reading	Level	Limits	Margin	Remark	
(MHz)	(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)		
1 2459.720	29.48	8.82	36.02	94.90	97.18	74.00	-23.18	Peak	
2 2483.500	29.49	8.87	35.97	54.42	56.81	74.00	17.19	Peak	
3 2500.000	29.50	8.92	36.00	46.00	48.42	74.00	25.58	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.

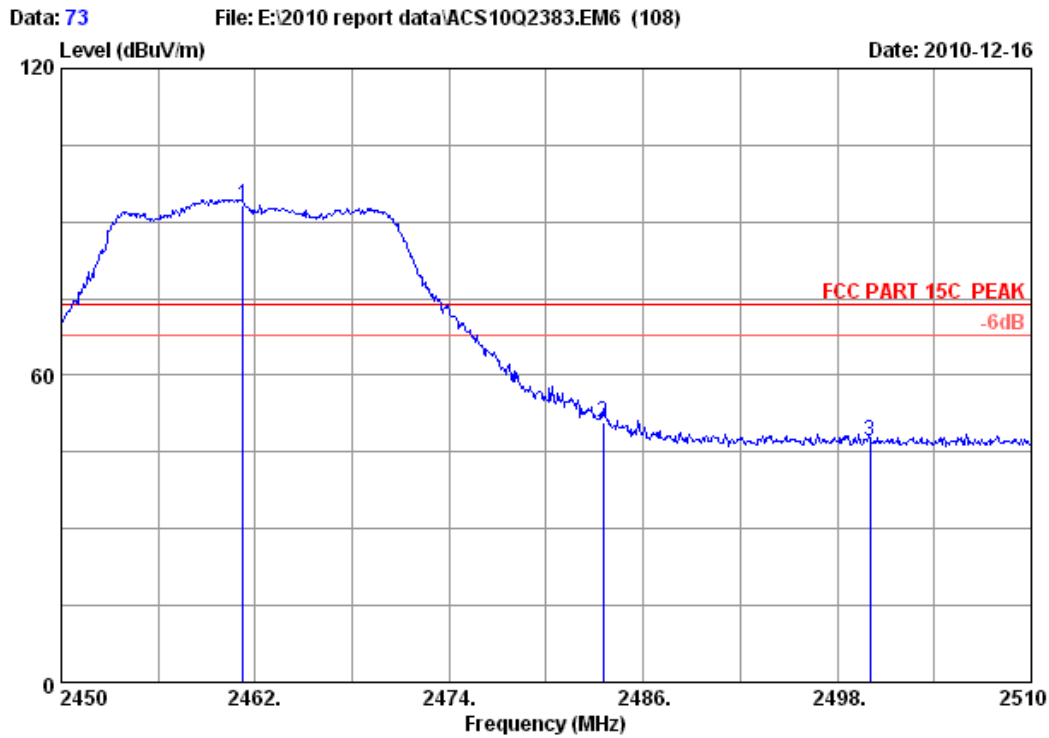


Site no. : RF Chamber Data no. : 72
 Dis. / Ant. : 3m 3115(0911) Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C AV
 Env. / Ins. : 23°C/54% Engineer : Paul Tian
 EUT : EZ Connect™ N 11n Wireless PCI Adapter
 Power : DC 3.3V From PC input AC 120V/60Hz
 Test mode : IEEE802.11n HT20 CH11 2462MHz
 M/N : SMCWPCI-N3

	Ant.	Cable	Amp.		Emission				
Freq.	Factor	loss	Factor	Reading	Level	Limits	Margin	Remark	
(MHz)	(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)		
1 2460.680	29.48	8.82	36.02	83.86	86.14	54.00	-32.14	Average	
2 2483.500	29.49	8.87	35.97	37.80	40.19	54.00	13.81	Average	
3 2500.000	29.50	8.92	36.00	33.75	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.

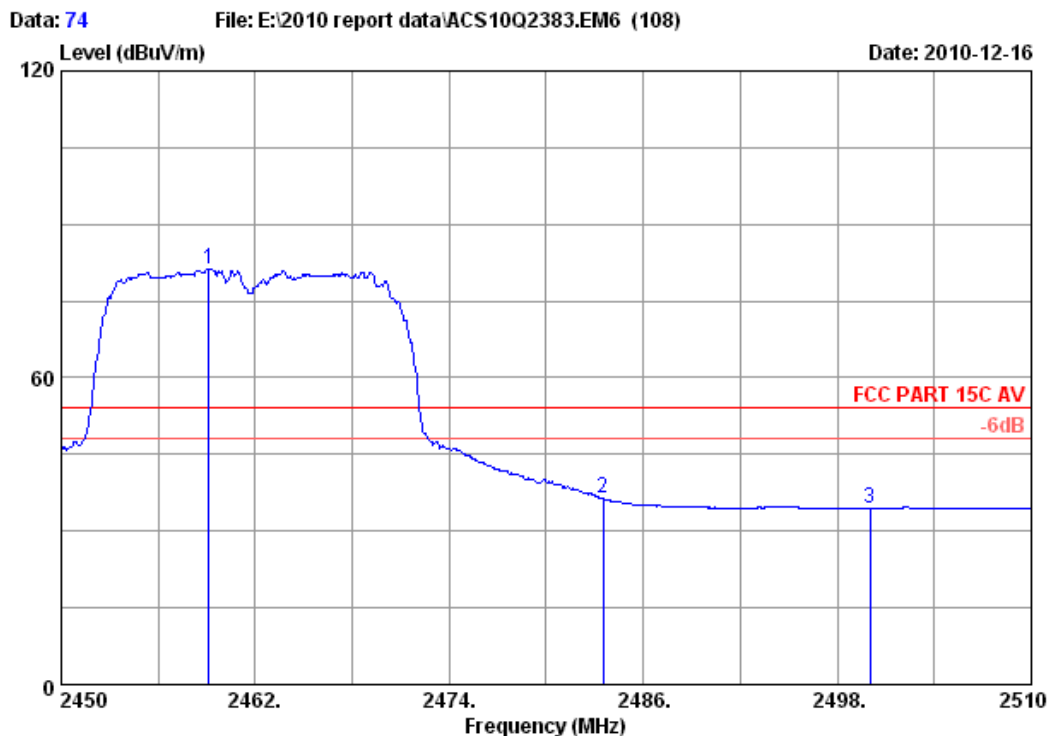


Site no. : RF Chamber Data no. : 73
 Dis. / Ant. : 3m 3115(0911) Ant. pol. : VERTICAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 23°C/54% Engineer : Paul Tian
 EUT : EZ Connect™ N 11n Wireless PCI Adapter
 Power : DC 3.3V From PC input AC 120V/60Hz
 Test mode : IEEE802.11n HT20 CH11 2462MHz
 M/N : SMCWPCI-N3

	Ant.	Cable	Amp.		Emission				
Freq.	Factor	loss	Factor	Reading	Level	Limits	Margin	Remark	
(MHz)	(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)		
1 2461.220	29.48	8.82	36.02	91.13	93.41	74.00	-19.41	Peak	
2 2483.500	29.49	8.87	35.97	48.29	50.68	74.00	23.32	Peak	
3 2500.000	29.50	8.92	36.00	44.74	47.16	74.00	26.84	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.

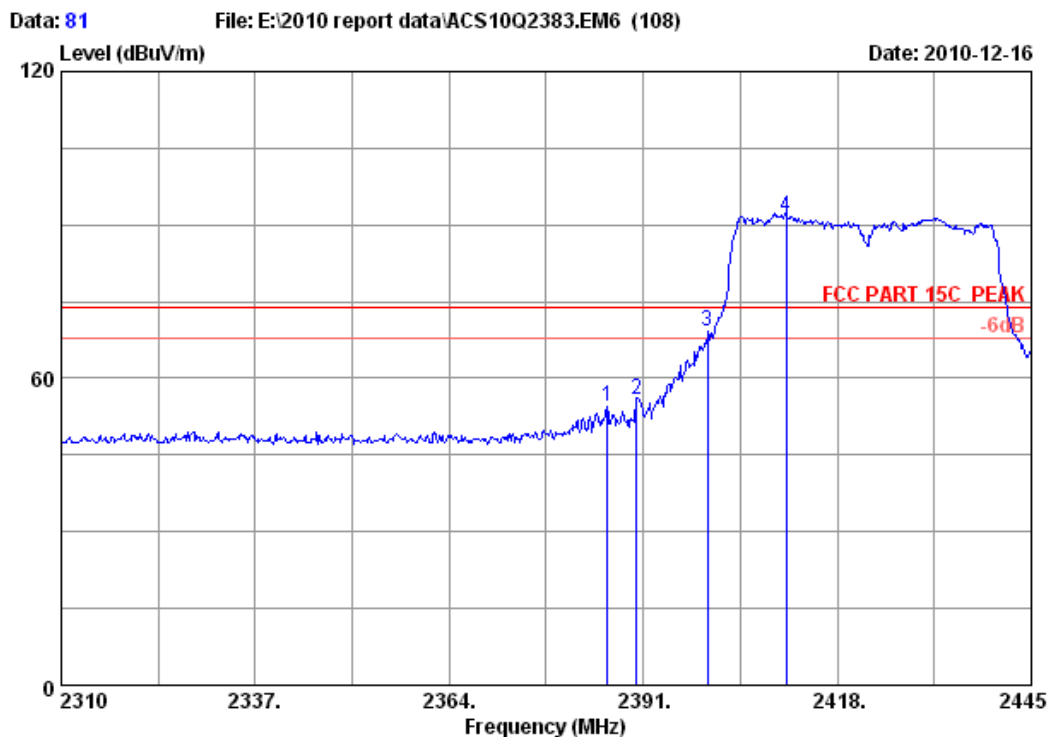


Site no. : RF Chamber Data no. : 74
 Dis. / Ant. : 3m 3115(0911) Ant. pol. : VERTICAL
 Limit : FCC PART 15C AV
 Env. / Ins. : 23°C/54% Engineer : Paul Tian
 EUT : EZ Connect™ N 11n Wireless PCI Adapter
 Power : DC 3.3V From PC input AC 120V/60Hz
 Test mode : IEEE802.11n HT20 CH11 2462MHz
 M/N : SMCWPCI-N3

	Ant.	Cable	Amp.		Emission				
Freq.	Factor	loss	Factor	Reading	Level	Limits	Margin	Remark	
(MHz)	(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)		
1 2459.120	29.48	8.82	36.02	78.89	81.17	54.00	-27.17	Average	
2 2483.500	29.49	8.87	35.97	33.97	36.36	54.00	17.64	Average	
3 2500.000	29.50	8.92	36.00	32.01	34.43	54.00	19.57	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.

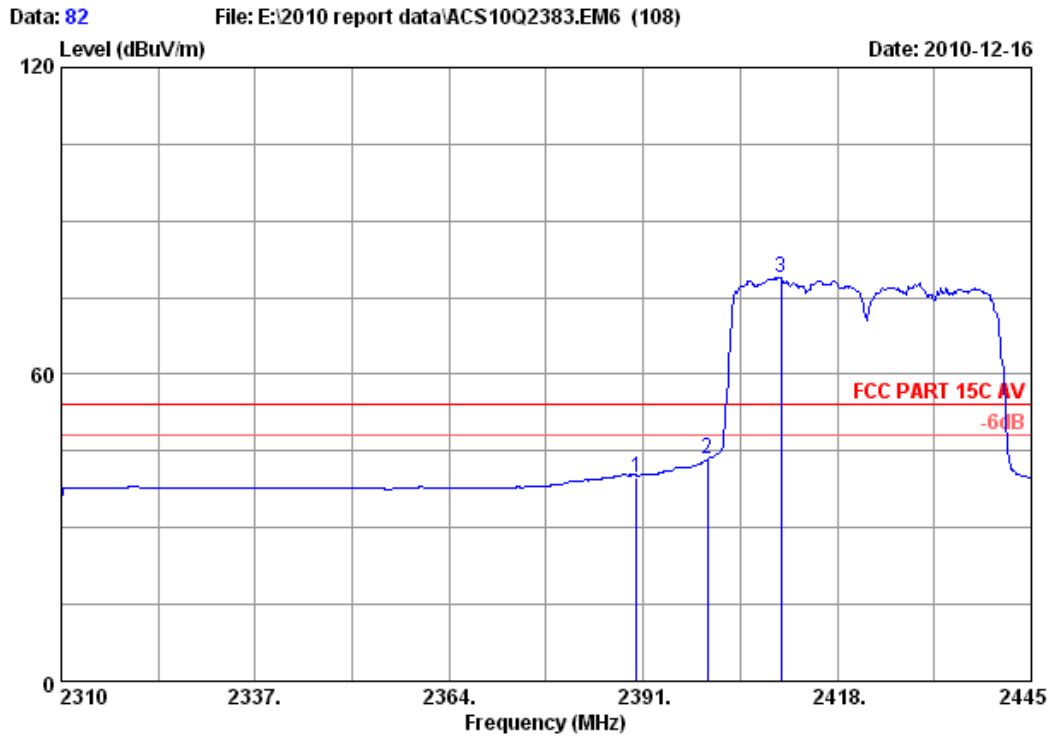


Site no. : RF Chamber Data no. : 81
 Dis. / Ant. : 3m 3115(0911) Ant. pol. : VERTICAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 23°C/54% Engineer : Paul Tian
 EUT : EZ Connect™ N 11n Wireless PCI Adapter
 Power : DC 3.3V From PC input AC 120V/60Hz
 Test mode : IEEE802.11n HT40 CH1 2422MHz
 M/N : SMCWPCI-N3

	Ant.	Cable	Amp.		Emission				
Freq.	Factor	loss	Factor	Reading	Level	Limits	Margin	Remark	
(MHz)	(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)		
1	2386.005	29.44	8.67	36.09	52.37	54.39	74.00	19.61	Peak
2	2390.000	29.44	8.67	36.09	53.94	55.96	74.00	18.04	Peak
3	2400.000	29.44	8.72	36.09	67.00	69.07	74.00	4.93	Peak
4	2410.845	29.45	8.72	35.95	89.22	91.44	74.00	-17.44	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.

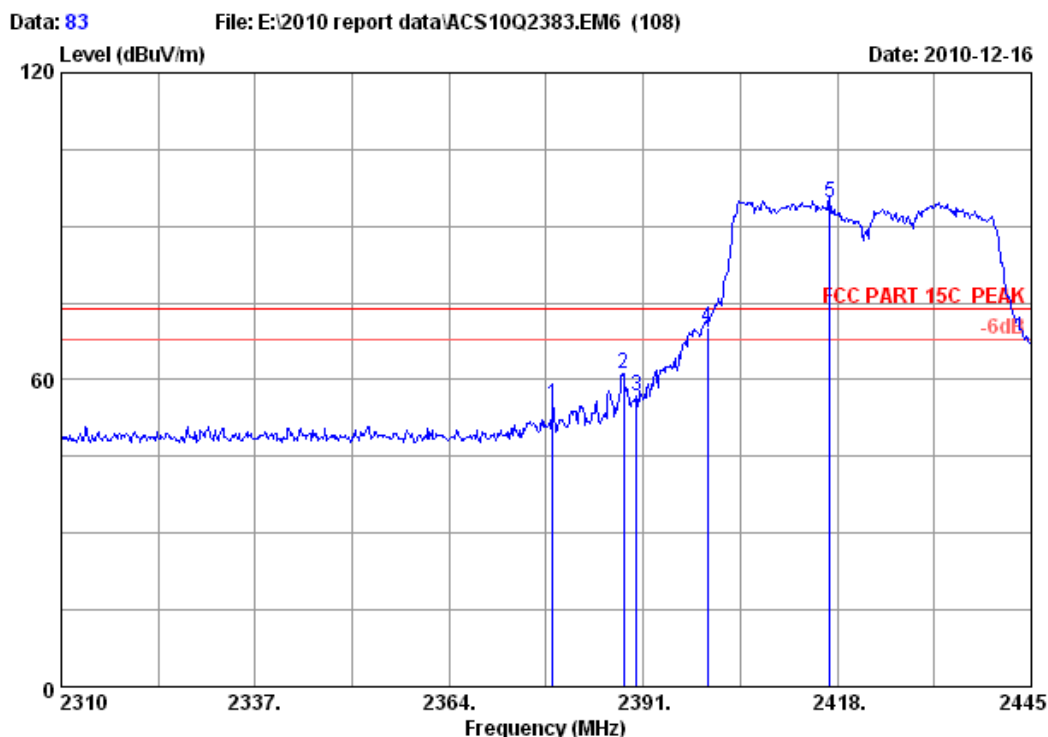


Site no. : RF Chamber Data no. : 82
 Dis. / Ant. : 3m 3115(0911) Ant. pol. : VERTICAL
 Limit : FCC PART 15C AV
 Env. / Ins. : 23°C/54% Engineer : Paul Tian
 EUT : EZ Connect™ N 11n Wireless PCI Adapter
 Power : DC 3.3V From PC input AC 120V/60Hz
 Test mode : IEEE802.11n HT40 CH1 2422MHz
 M/N : SMCWPCI-N3

	Ant.	Cable	Amp.		Emission				
Freq.	Factor	loss	Factor	Reading	Level	Limits	Margin	Remark	
(MHz)	(dB/m)	(dB)	(dB)	(dBUV)	(dBUV/m)	(dBUV/m)	(dB)		
1 2390.000	29.44	8.67	36.09	37.92	39.94	54.00	14.06	Average	
2 2400.000	29.44	8.72	36.09	41.25	43.32	54.00	10.68	Average	
3 2410.170	29.45	8.72	35.95	76.63	78.85	54.00	-24.85	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.

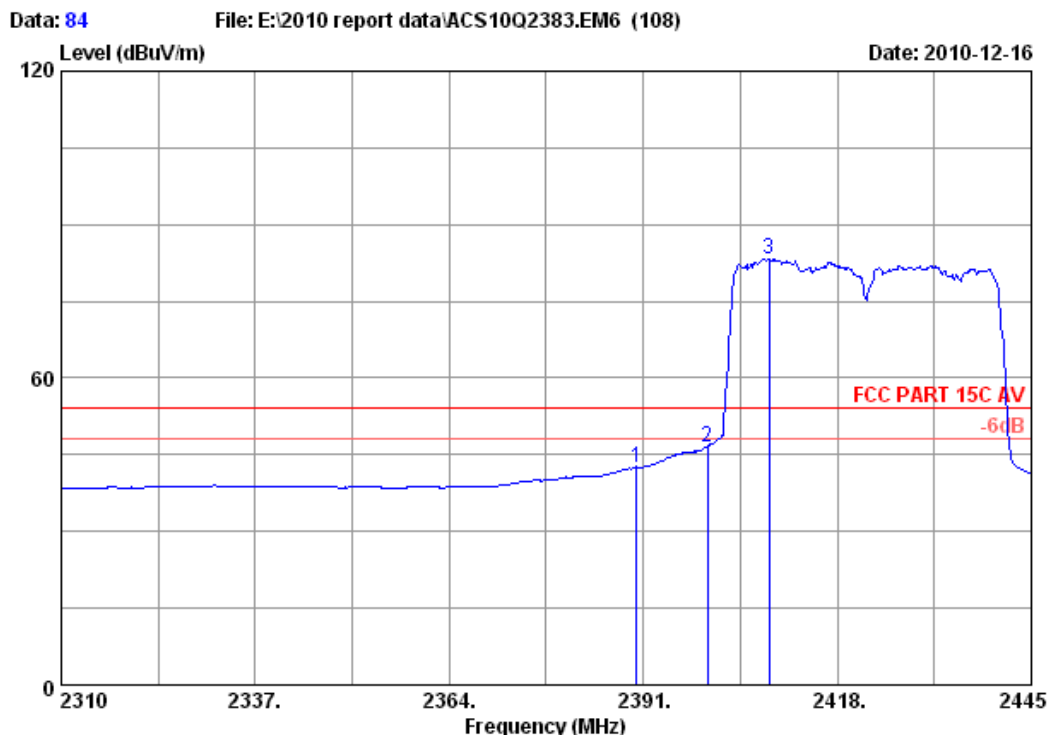


Site no. : RF Chamber Data no. : 83
 Dis. / Ant. : 3m 3115(0911) Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 23°C/54% Engineer : Paul Tian
 EUT : EZ Connect™ N 11n Wireless PCI Adapter
 Power : DC 3.3V From PC input AC 120V/60Hz
 Test mode : IEEE802.11n HT40 CH1 2422MHz
 M/N : SMCWPCI-N3

	Ant.	Cable	Amp.		Emission				
Freq.	Factor	loss	Factor	Reading	Level	Limits	Margin	Remark	
(MHz)	(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)		
1	2378.445	29.43	8.67	36.00	53.14	55.24	74.00	18.76	Peak
2	2388.300	29.44	8.67	36.09	58.99	61.01	74.00	12.99	Peak
3	2390.000	29.44	8.67	36.09	54.76	56.78	74.00	17.22	Peak
4	2400.000	29.44	8.72	36.09	68.21	70.28	74.00	3.72	Peak
5	2416.920	29.45	8.72	35.95	92.35	94.57	74.00	-20.57	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.

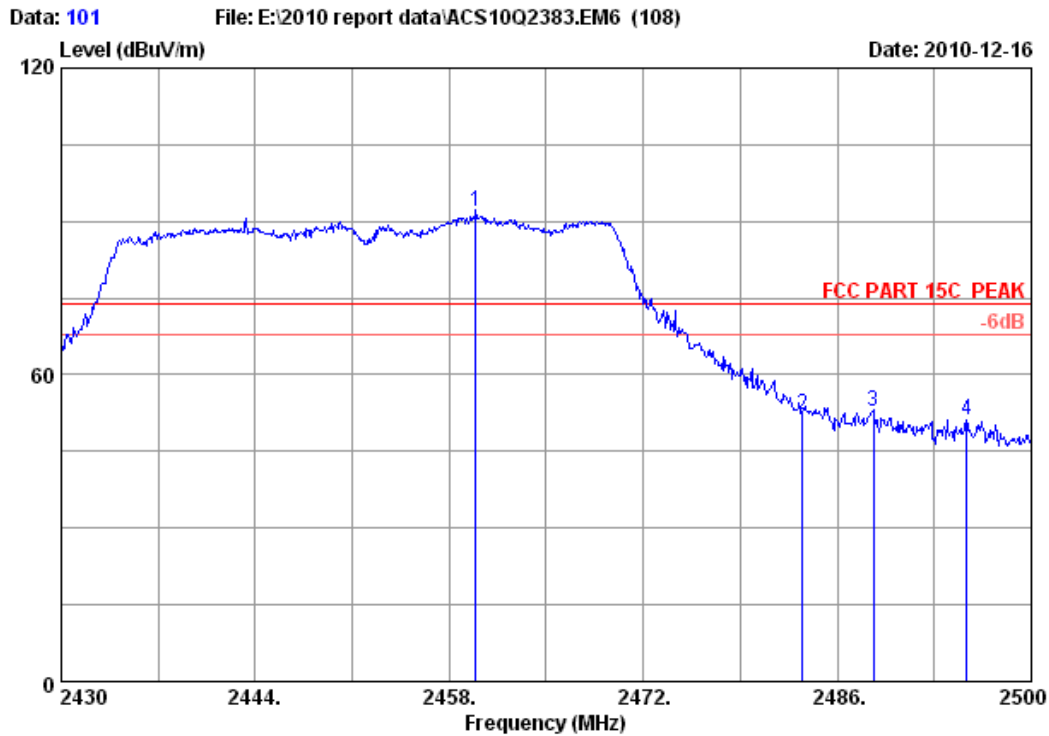


Site no. : RF Chamber Data no. : 84
 Dis. / Ant. : 3m 3115(0911) Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C AV
 Env. / Ins. : 23°C/54% Engineer : Paul Tian
 EUT : EZ Connect™ N 11n Wireless PCI Adapter
 Power : DC 3.3V From PC input AC 120V/60Hz
 Test mode : IEEE802.11n HT40 CH1 2422MHz
 M/N : SMCWPCI-N3

	Ant.	Cable	Amp.		Emission				
	Freq.	Factor	loss	Factor	Reading	Level	Limits	Margin	Remark
	(MHz)	(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)	
1	2390.000	29.44	8.67	36.09	40.40	42.42	54.00	11.58	Average
2	2400.000	29.44	8.72	36.09	44.42	46.49	54.00	7.51	Average
3	2408.550	29.45	8.72	35.95	80.97	83.19	54.00	-29.19	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.

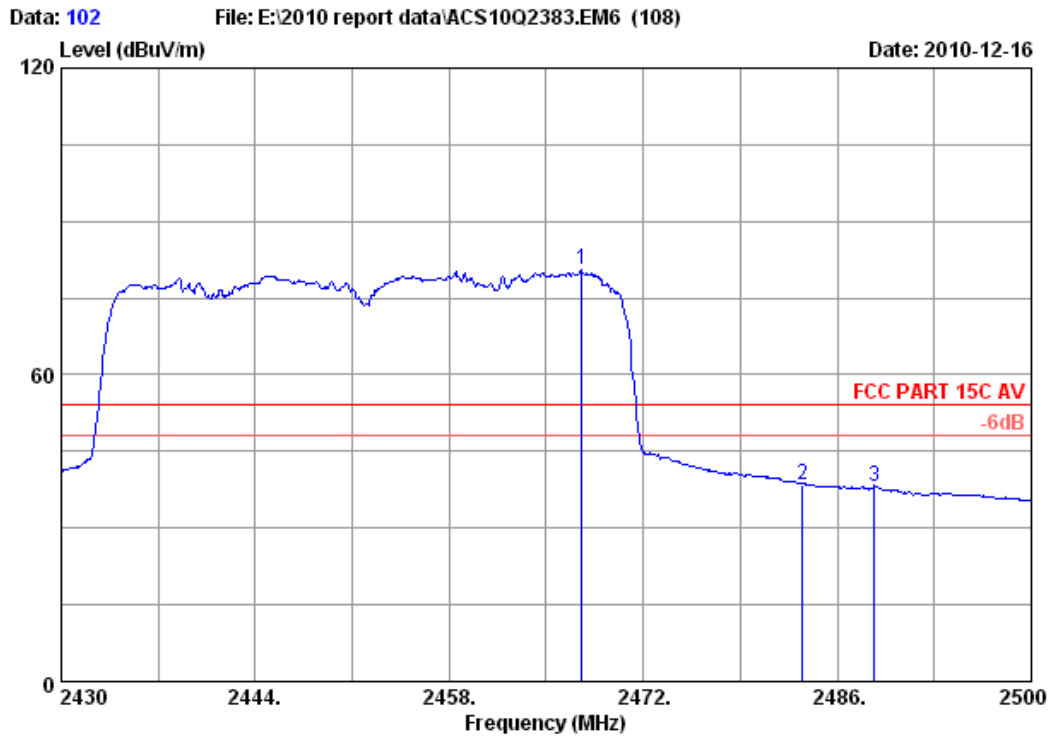


Site no. : RF Chamber Data no. : 101
 Dis. / Ant. : 3m 3115(0911) Ant. pol. : VERTICAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 23°C/54% Engineer : Paul Tian
 EUT : EZ Connect™ N 11n Wireless PCI Adapter
 Power : DC 3.3V From PC input AC 120V/60Hz
 Test mode : IEEE802.11n HT40 CH7 2452MHz
 M/N : SMCWPCI-N3

	Ant.	Cable	Amp.		Emission				
Freq.	Factor	loss	Factor	Reading	Level	Limits	Margin	Remark	
(MHz)	(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)		
1 2459.890	29.48	8.82	36.02	89.73	92.01	74.00	-18.01	Peak	
2 2483.500	29.49	8.87	35.97	49.87	52.26	74.00	21.74	Peak	
3 2488.590	29.50	8.87	36.00	50.60	52.97	74.00	21.03	Peak	
4 2495.310	29.50	8.87	36.00	48.62	50.99	74.00	23.01	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.

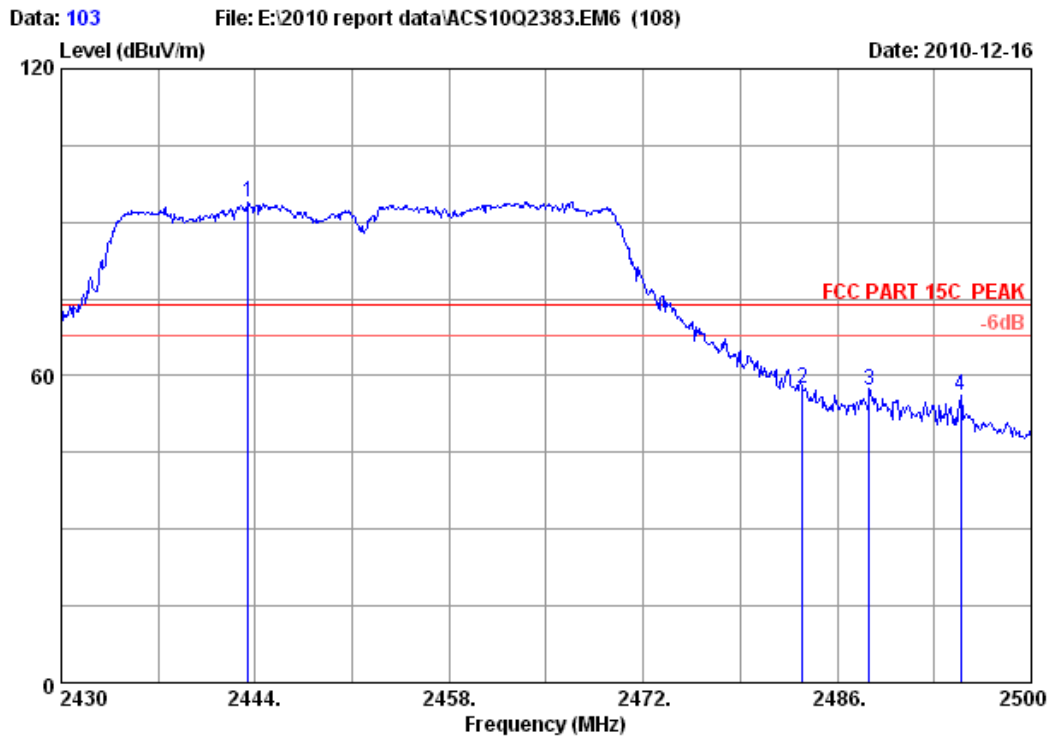


Site no. : RF Chamber Data no. : 102
 Dis. / Ant. : 3m 3115(0911) Ant. pol. : VERTICAL
 Limit : FCC PART 15C AV
 Env. / Ins. : 23°C/54% Engineer : Paul Tian
 EUT : EZ Connect™ N 11n Wireless PCI Adapter
 Power : DC 3.3V From PC input AC 120V/60Hz
 Test mode : IEEE802.11n HT40 CH7 2452MHz
 M/N : SMCWPCI-N3

	Ant.	Cable	Amp.		Emission				
Freq.	Factor	loss	Factor	Reading	Level	Limits	Margin	Remark	
(MHz)	(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)		
1 2467.590	29.48	8.82	36.02	78.13	80.41	54.00	-26.41	Average	
2 2483.500	29.49	8.87	35.97	36.20	38.59	54.00	15.41	Average	
3 2488.660	29.50	8.87	36.00	35.72	38.09	54.00	15.91	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.

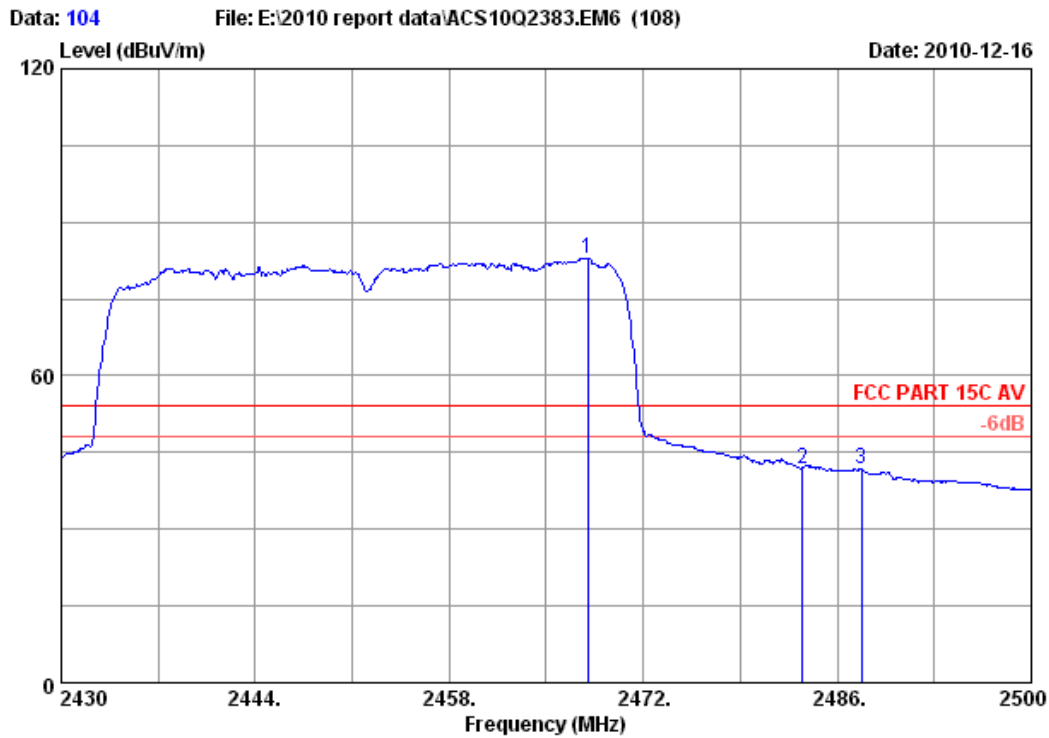


Site no. : RF Chamber Data no. : 103
 Dis. / Ant. : 3m 3115(0911) Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 23°C/54% Engineer : Paul Tian
 EUT : EZ Connect™ N 11n Wireless PCI Adapter
 Power : DC 3.3V From PC input AC 120V/60Hz
 Test mode : IEEE802.11n HT40 CH7 2452MHz
 M/N : SMCWPCI-N3

	Ant.	Cable	Amp.		Emission				
Freq.	Factor	loss	Factor	Reading	Level	Limits	Margin	Remark	
(MHz)	(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)		
1	2443.510	29.47	8.77	36.06	91.69	93.87	74.00	-19.87	Peak
2	2483.500	29.49	8.87	35.97	55.18	57.57	74.00	16.43	Peak
3	2488.310	29.50	8.87	36.00	54.81	57.18	74.00	16.82	Peak
4	2494.890	29.50	8.87	36.00	53.66	56.03	74.00	17.97	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. : RF Chamber Data no. : 104
 Dis. / Ant. : 3m 3115(0911) Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C AV
 Env. / Ins. : 23°C/54% Engineer : Paul Tian
 EUT : EZ Connect™ N 11n Wireless PCI Adapter
 Power : DC 3.3V From PC input AC 120V/60Hz
 Test mode : IEEE802.11n HT40 CH7 2452MHz
 M/N : SMCWPCI-N3

	Ant.	Cable	Amp.		Emission				
	Freq.	Factor	loss	Factor	Reading	Level	Limits	Margin	Remark
	(MHz)	(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)	
1	2468.010	29.48	8.82	36.02	80.48	82.76	54.00	-28.76	Average
2	2483.500	29.49	8.87	35.97	39.53	41.92	54.00	12.08	Average
3	2487.750	29.50	8.87	36.00	39.43	41.80	54.00	12.20	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.

7. 6dB Bandwidth Test

7.1. Test Equipment

Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
1.	Spectrum Analyzer	Agilent	E4446A	US44300459	May.08,10	1 Year
2.	Attenuator	Agilent	8491B	MY39262165	May.08,10	1 Year
3.	RF Cable	Hubersuhner	SUCOFLEX102	28618/2	May.08,10	1Year

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

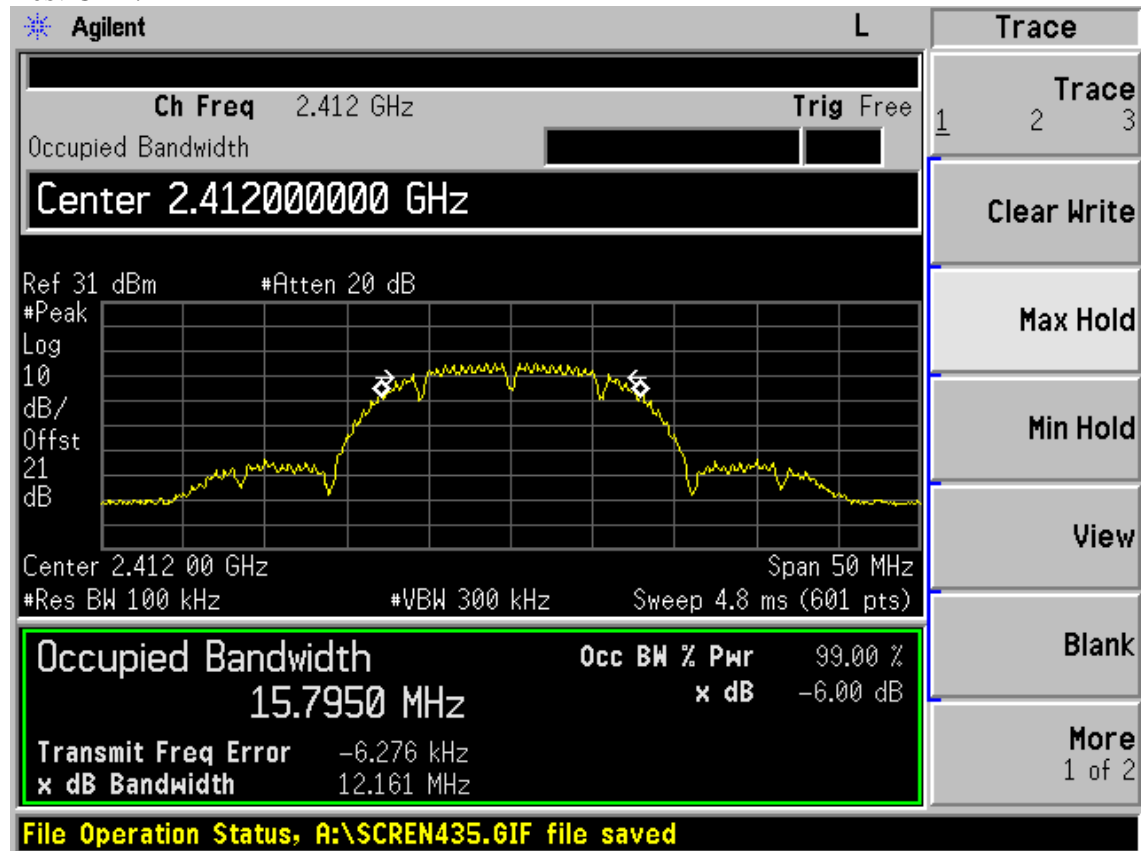
EUT:EZ Connect™ N 11n Wireless PCI Adapter		
M/N:SMCWPCI-N3		
Tested by: Paul Tian	Test site:RF site	Temperature:22.3 °C
Test date:2010-12-16	Pressure:100.6 kpa	Humidity:50 %

Cable loss: 1.0 dB		Attenuator loss:20.0 dB		Antenna Gain: 2 dBi
Test Mode	CH	Result		Limit (KHz)
		Chain0 6dB bandwidth (KHz)	Chain1 6dB bandwidth (KHz)	
11b	CH1	12161	10163	>500
	CH6	12572	10151	>500
	CH11	12148	10152	>500
11g	CH1	16491	16471	>500
	CH6	16495	16428	>500
	CH11	16504	16459	>500
11n HT20	CH1	17725	17593	>500
	CH6	17720	17645	>500
	CH11	17725	17636	>500
11n HT40	CH1	36419	36355	>500
	CH4	36414	36394	>500
	CH7	36396	36408	>500
Conclusion : PASS				

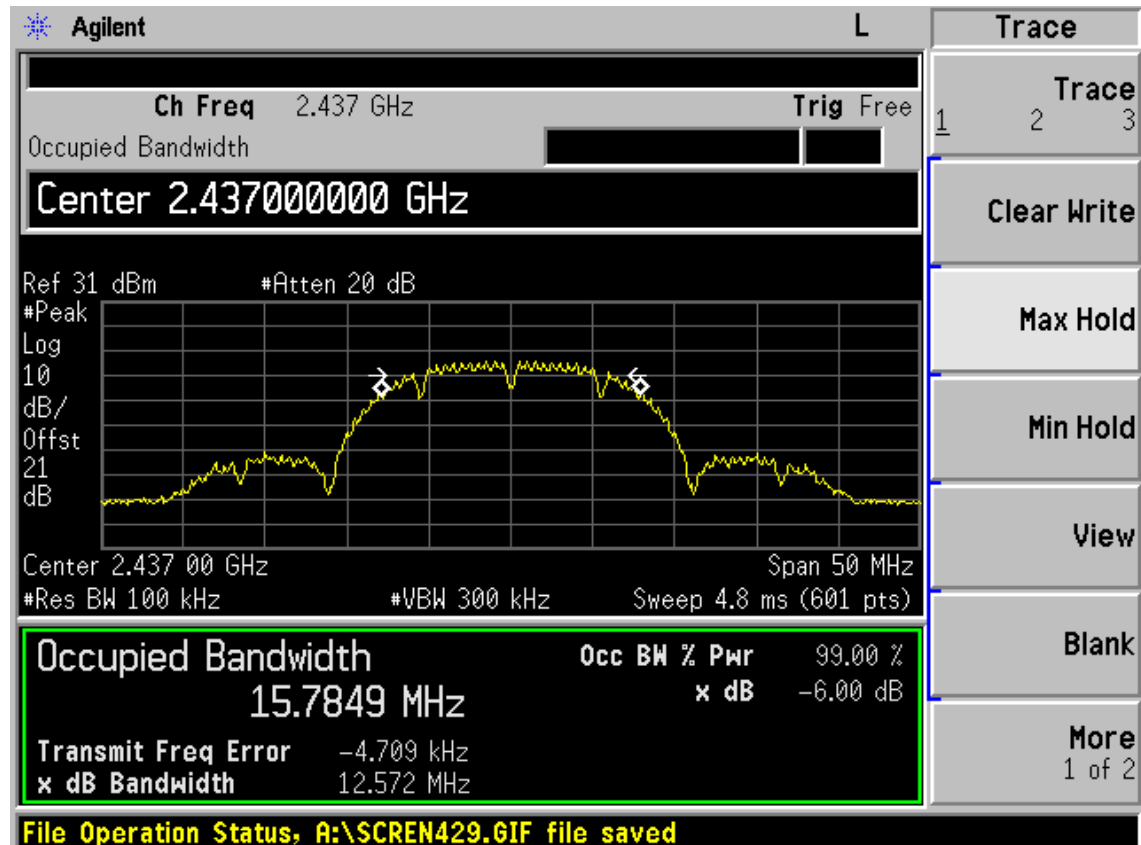
Chain0

Test Mode: IEEE 802.11b TX

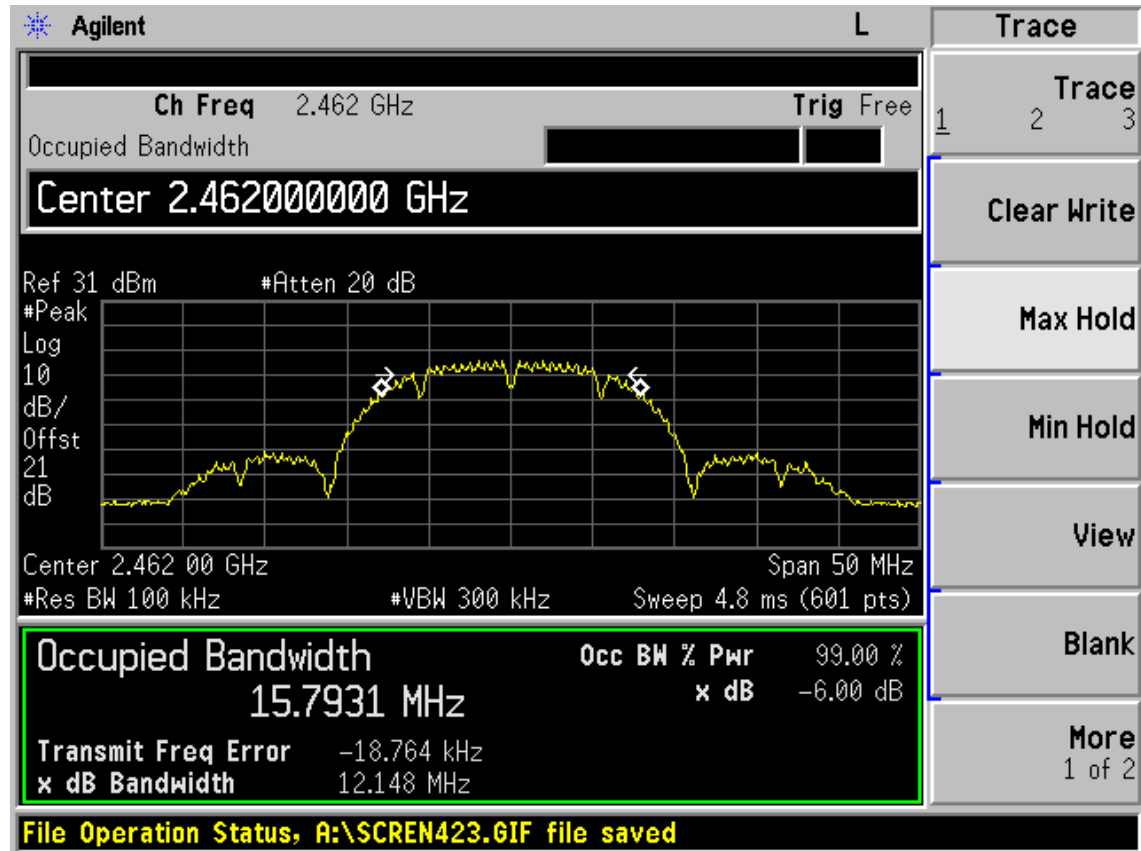
Test CH1: 2412MHz



Test CH6: 2437MHz

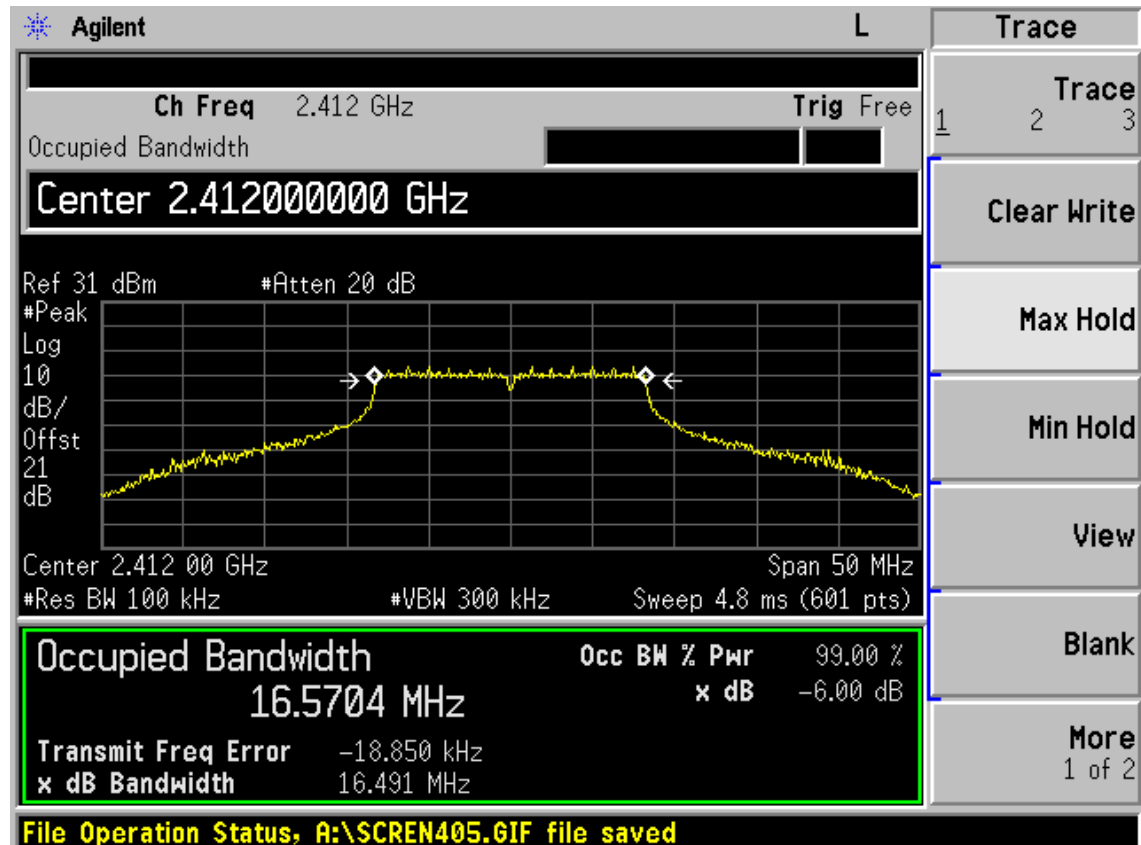


Test CH11: 2462MHz

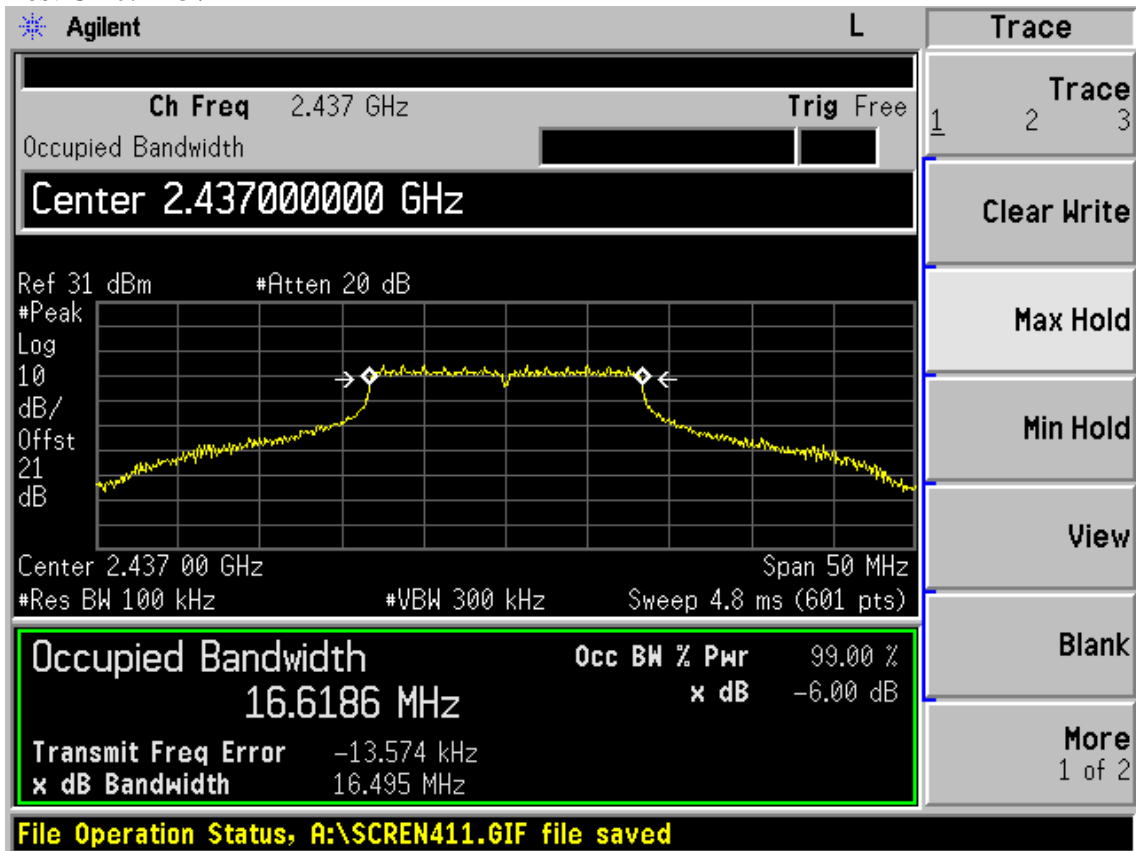


Test Mode: IEEE 802.11g TX

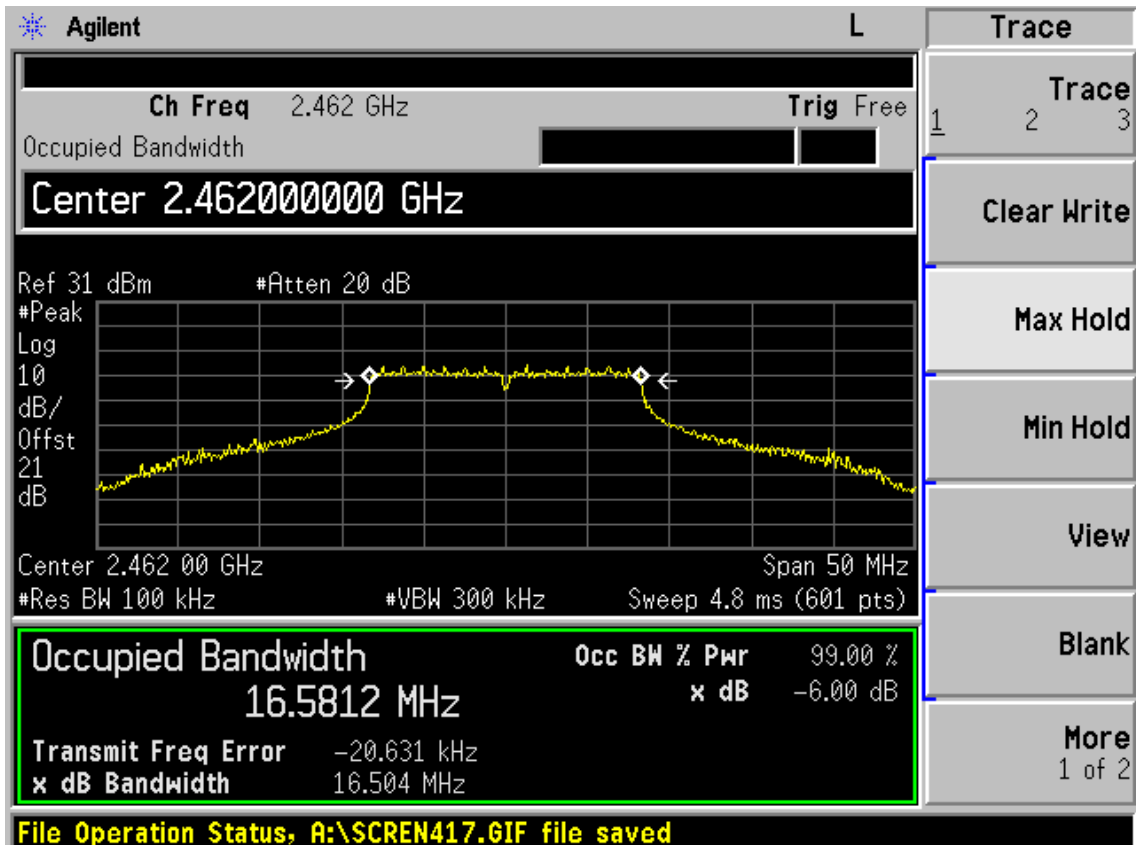
Test CH1: 2412MHz



Test CH6: 2437MHz

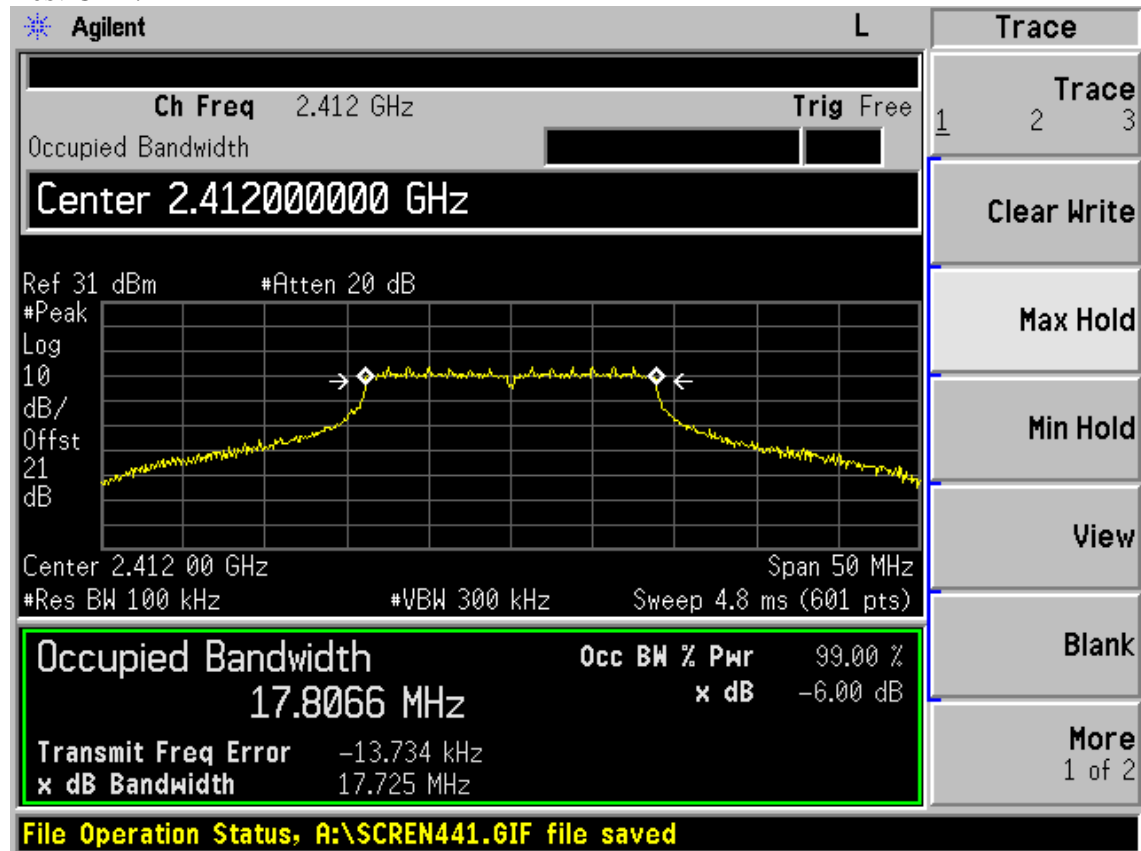


Test CH11: 2462MHz

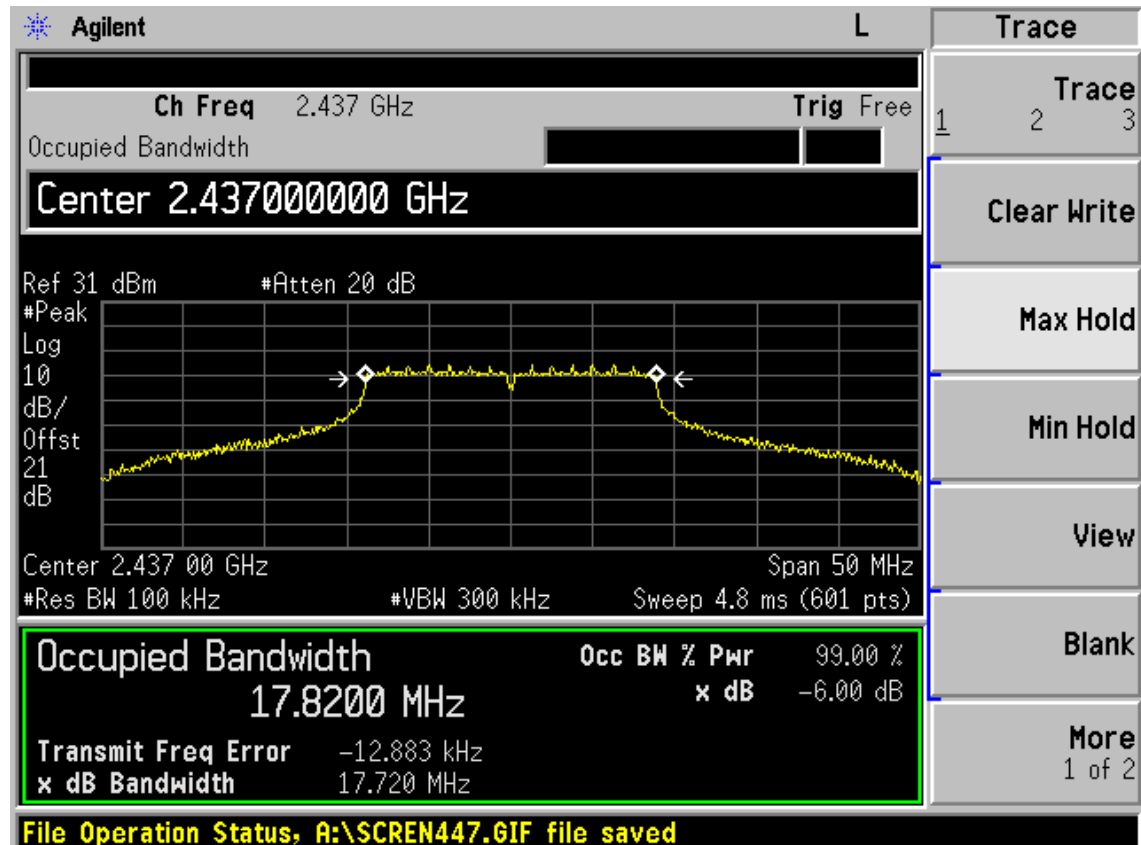


Test Mode: IEEE 802.11n HT20 TX

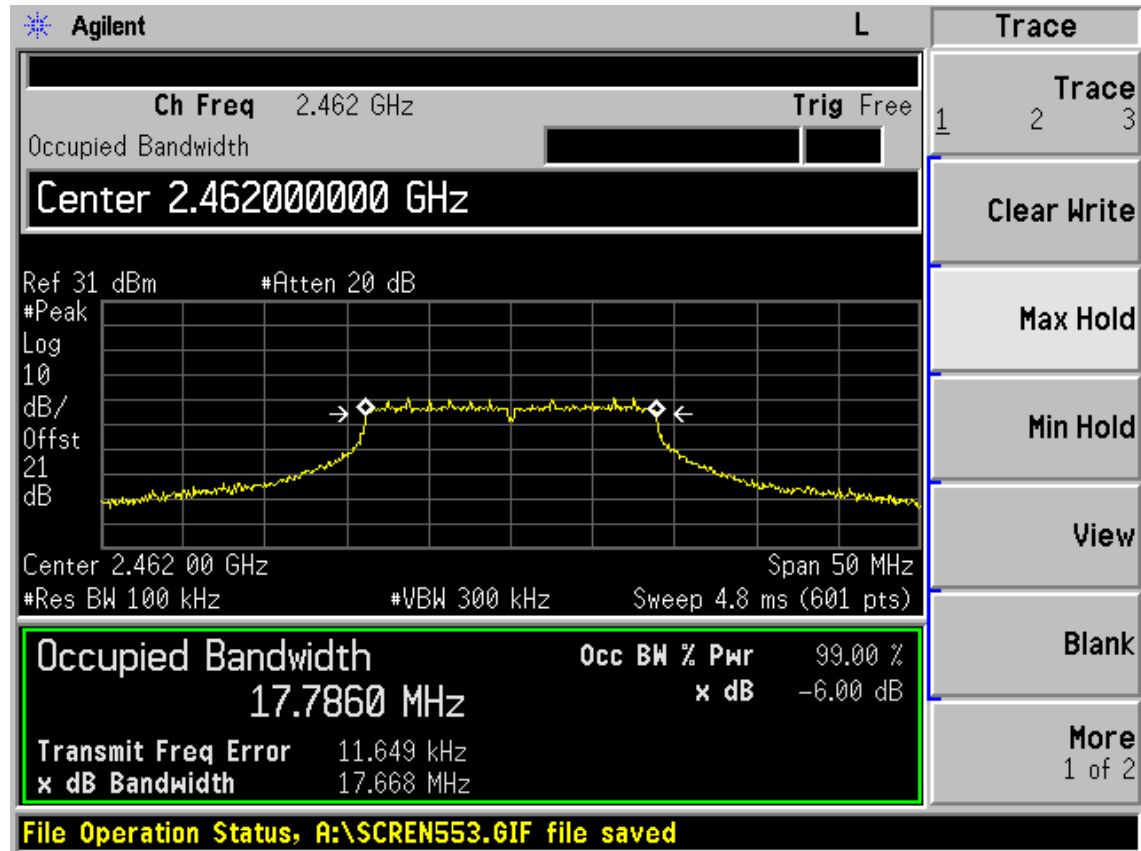
Test CH1: 2412MHz



Test CH6: 2437MHz

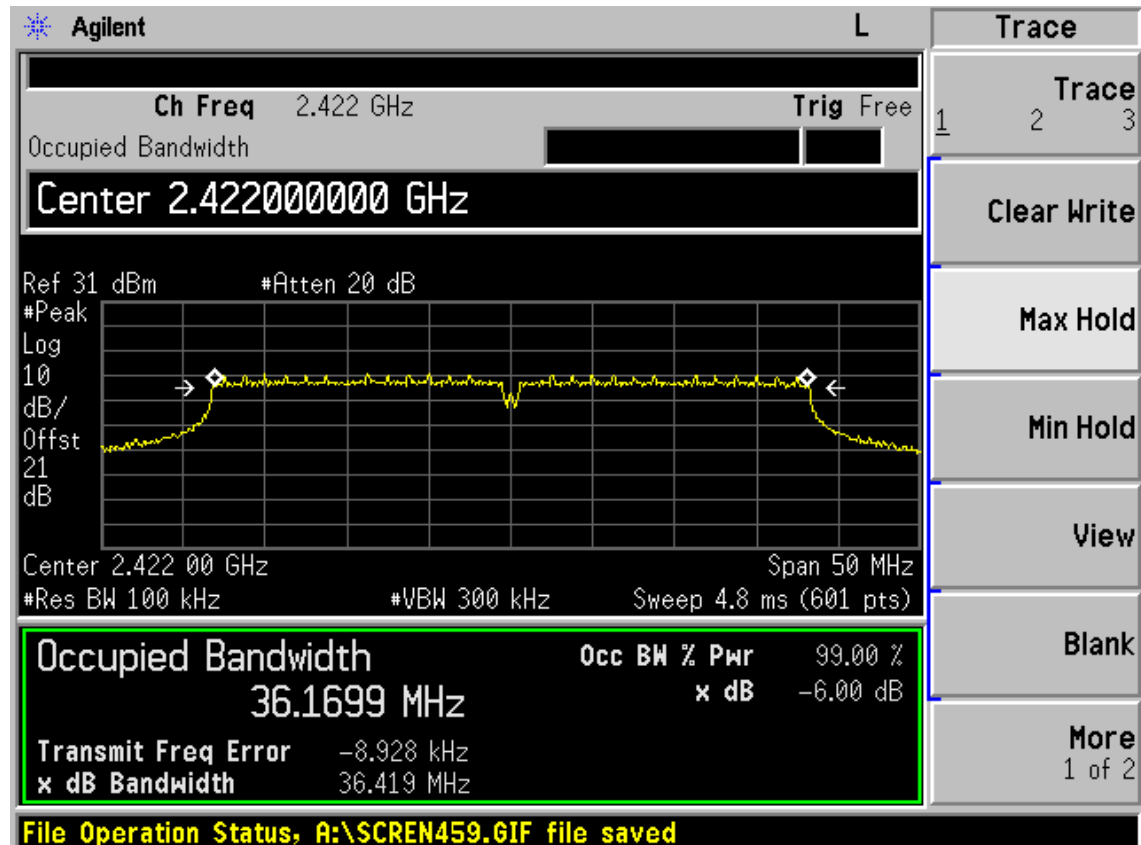


Test CH1: 2462MHz

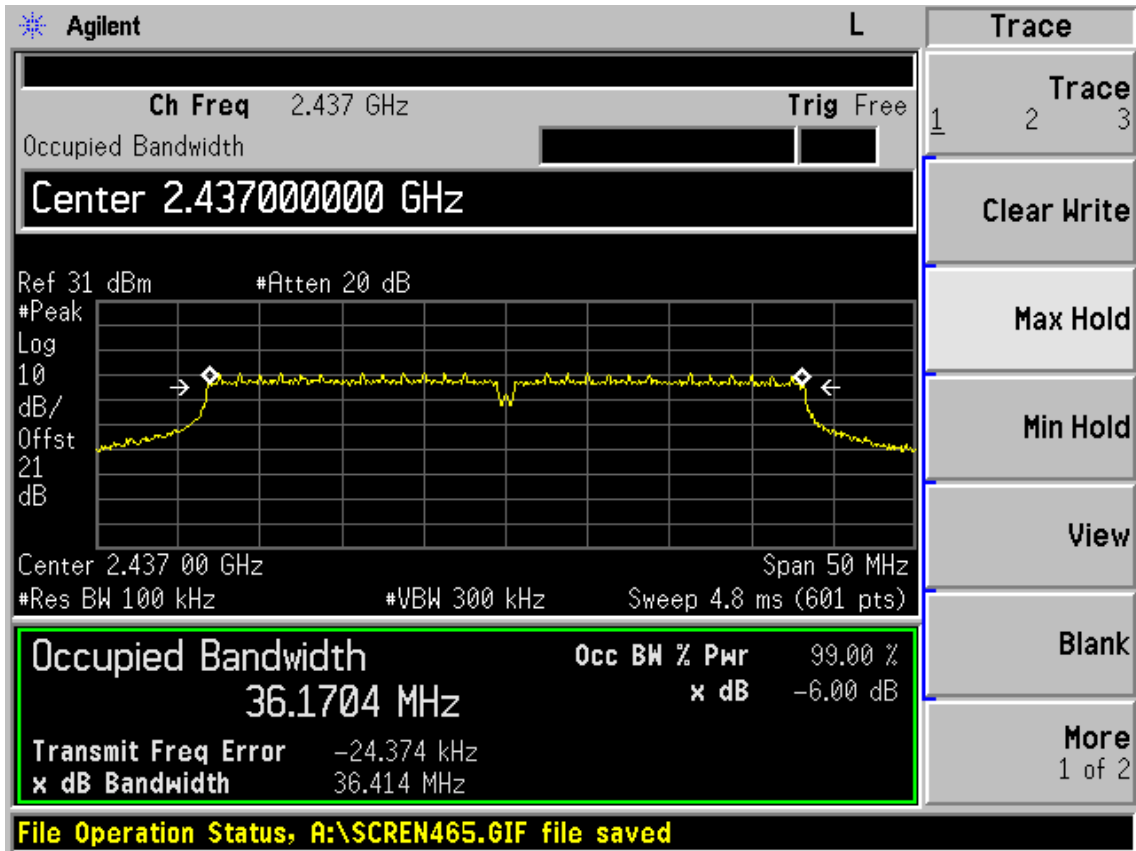


Test Mode: IEEE 802.11n HT40 TX

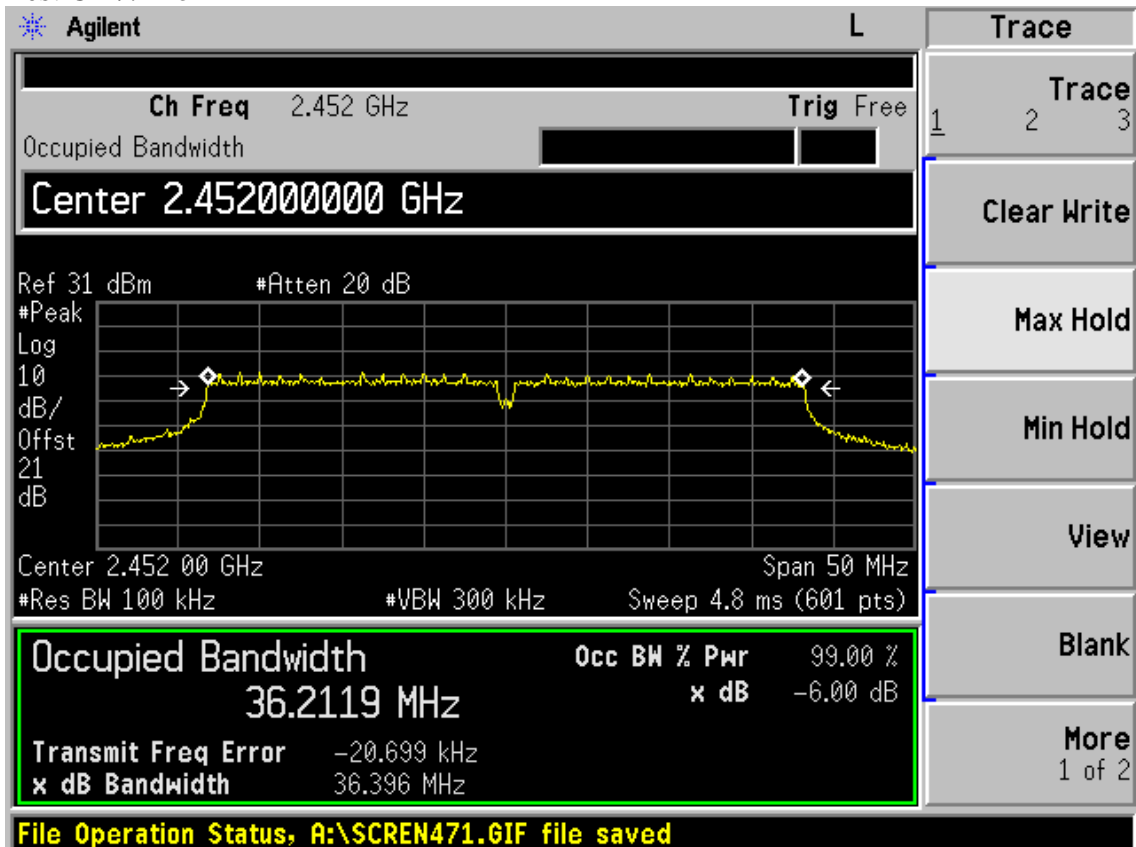
Test CH1: 2422MHz



Test CH4: 2437MHz



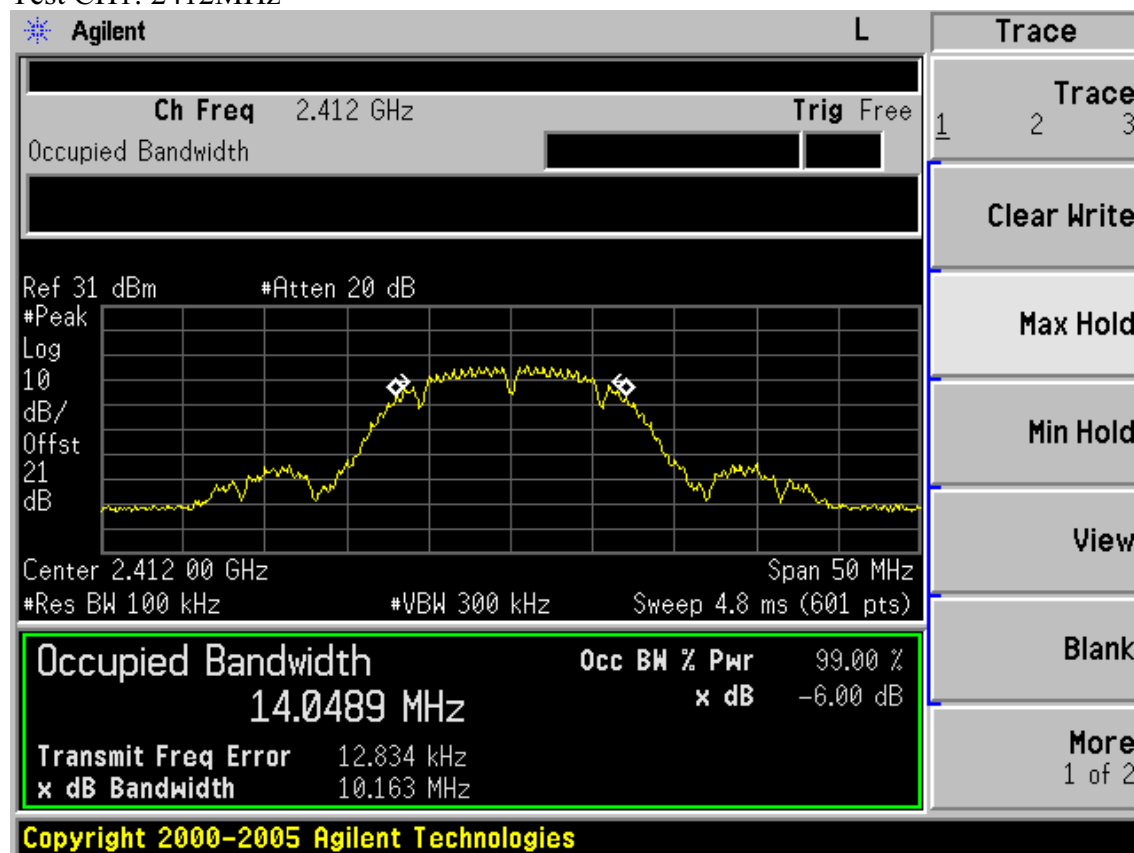
Test CH7: 2452MHz



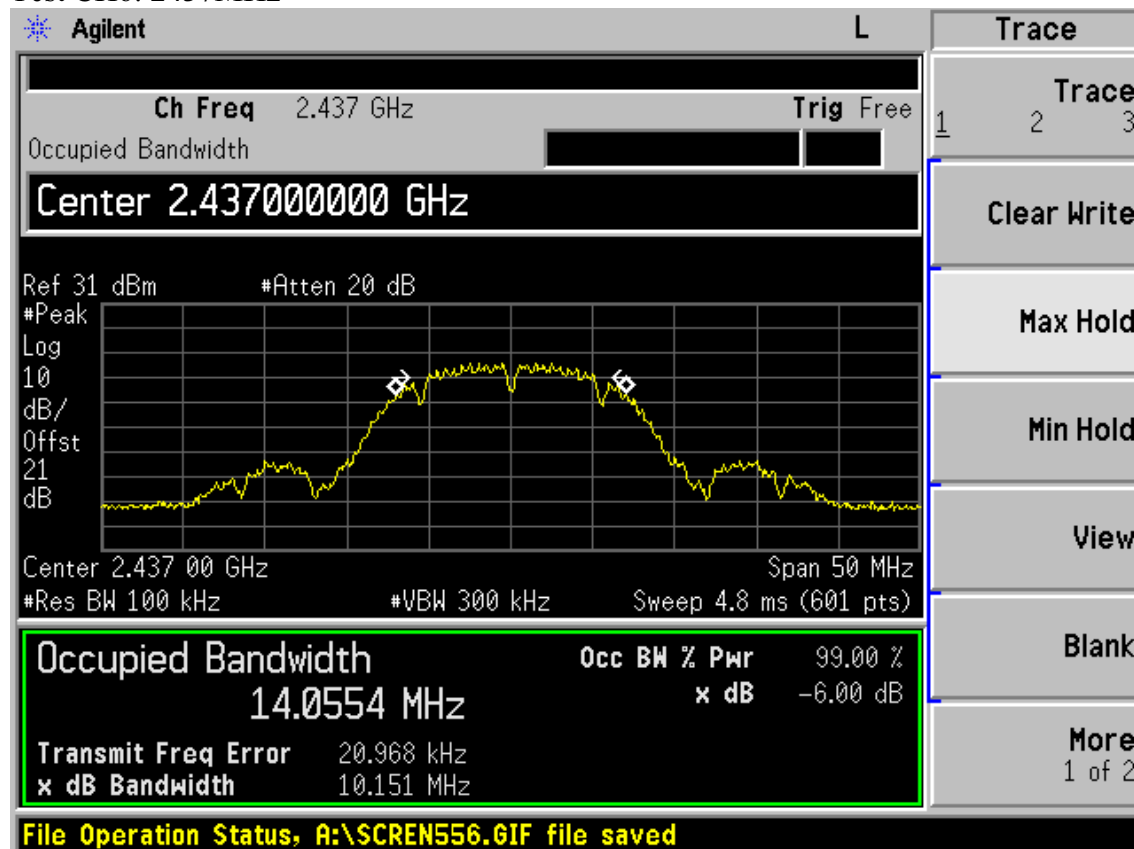
Chain 1

Test Mode: IEEE 802.11b TX

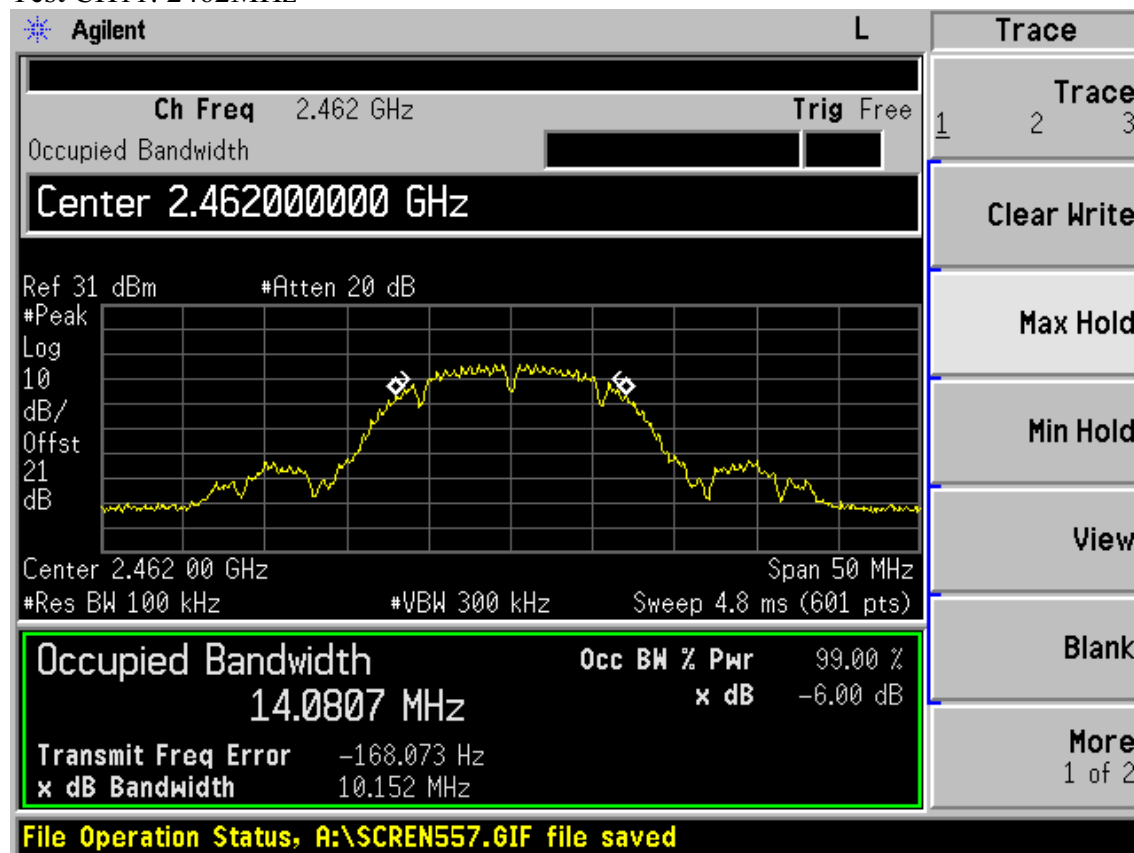
Test CH1: 2412MHz



Test CH6: 2437MHz

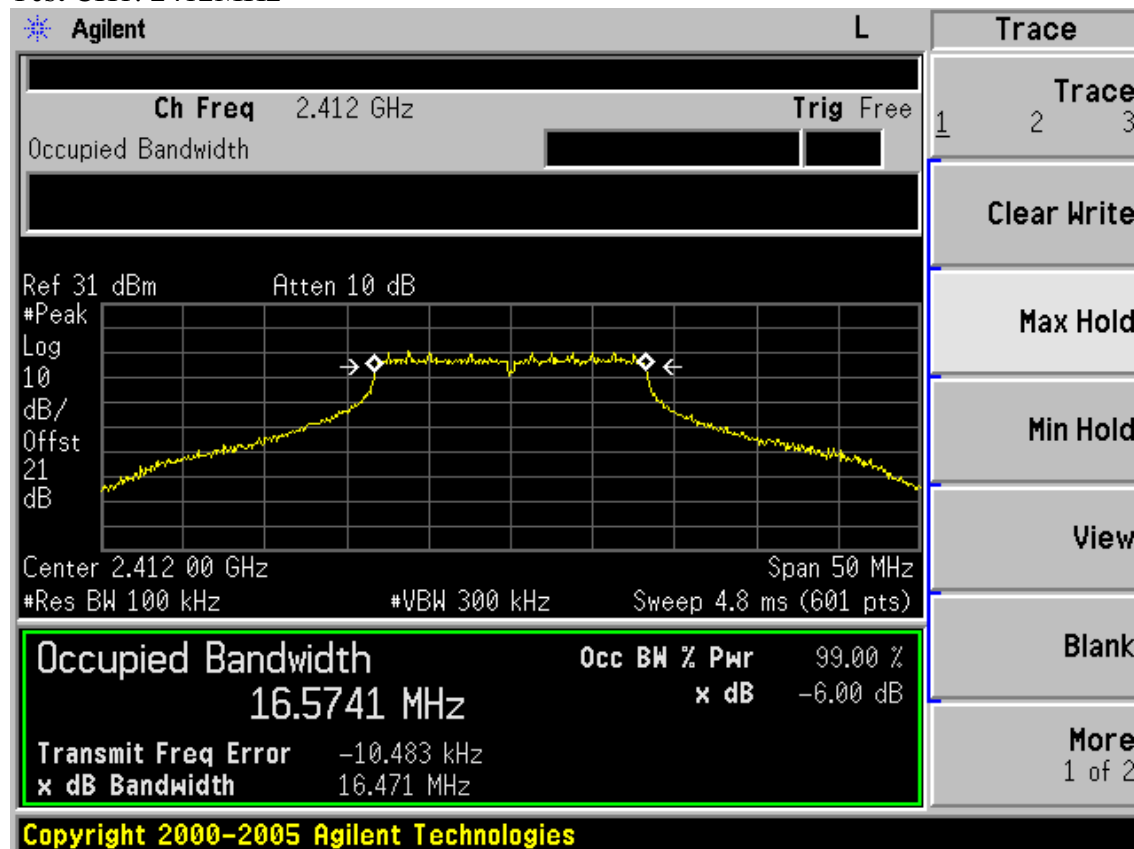


Test CH11: 2462MHz

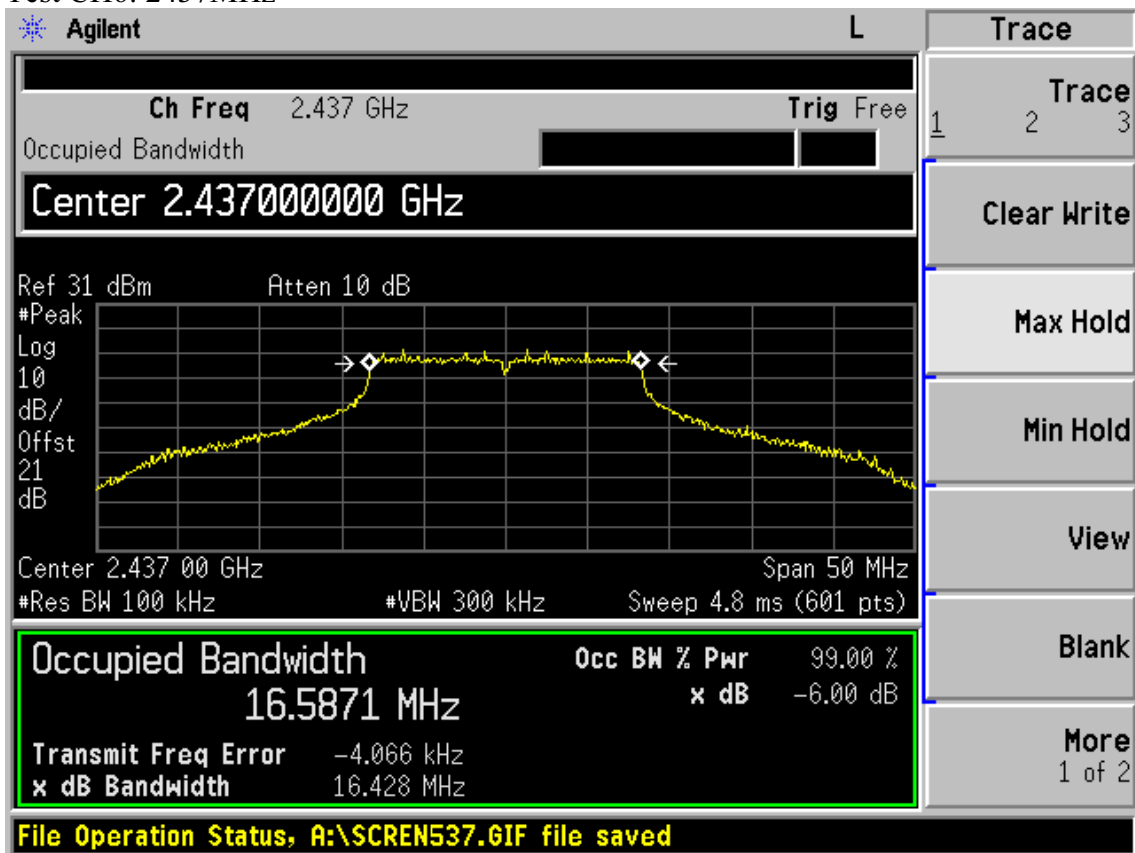


Test Mode: IEEE 802.11g TX

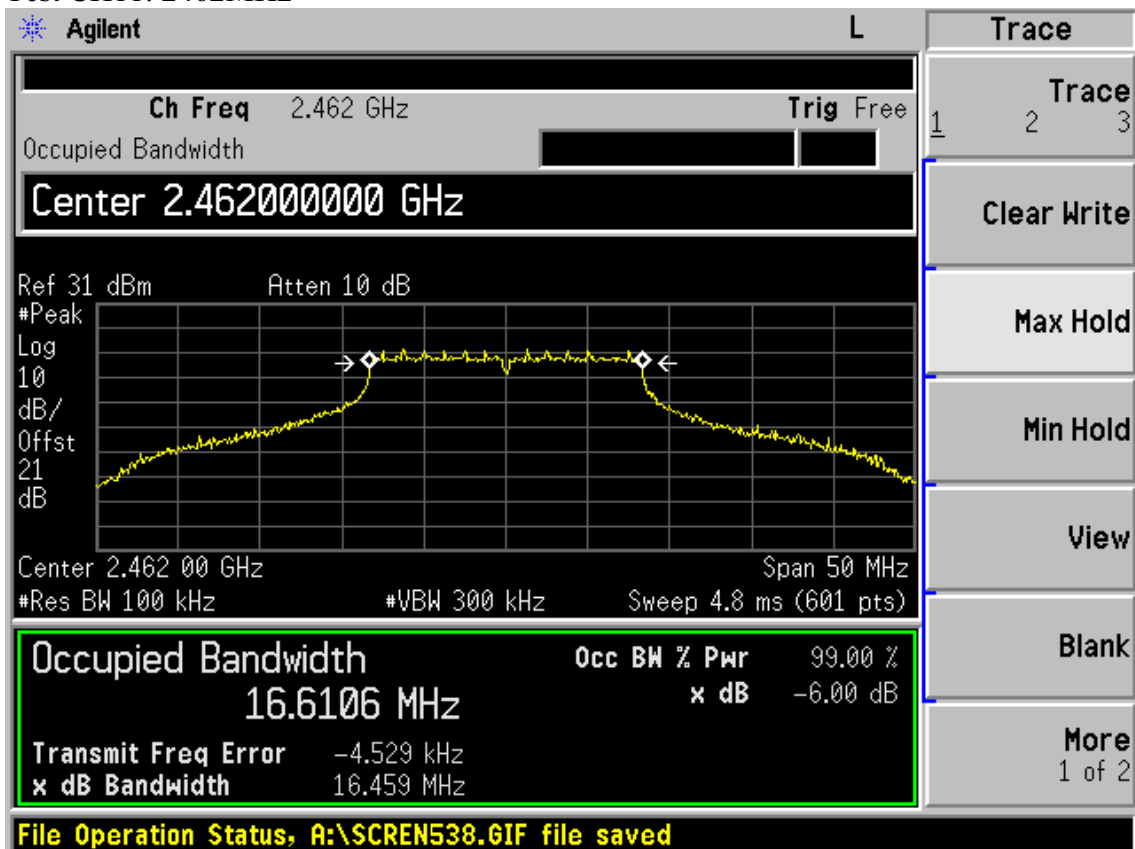
Test CH1: 2412MHz



Test CH6: 2437MHz

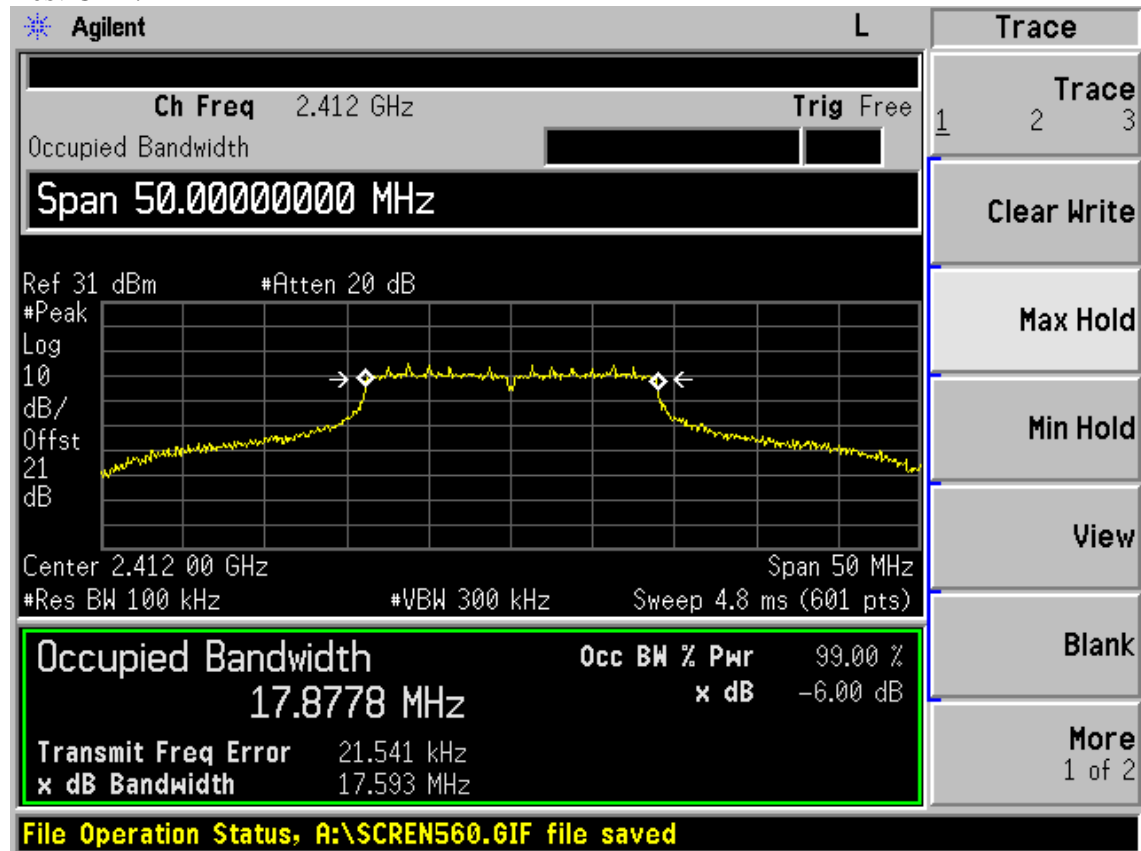


Test CH11: 2462MHz

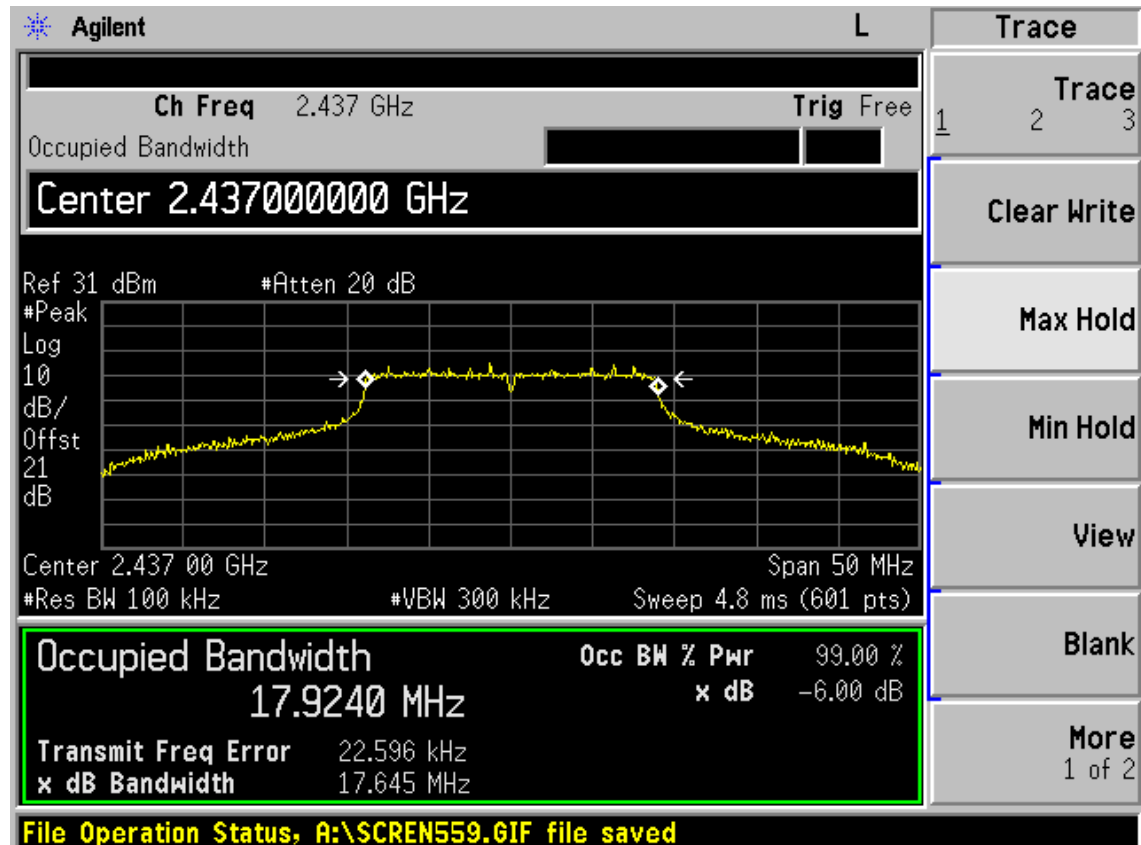


Test Mode: IEEE 802.11n HT20 TX

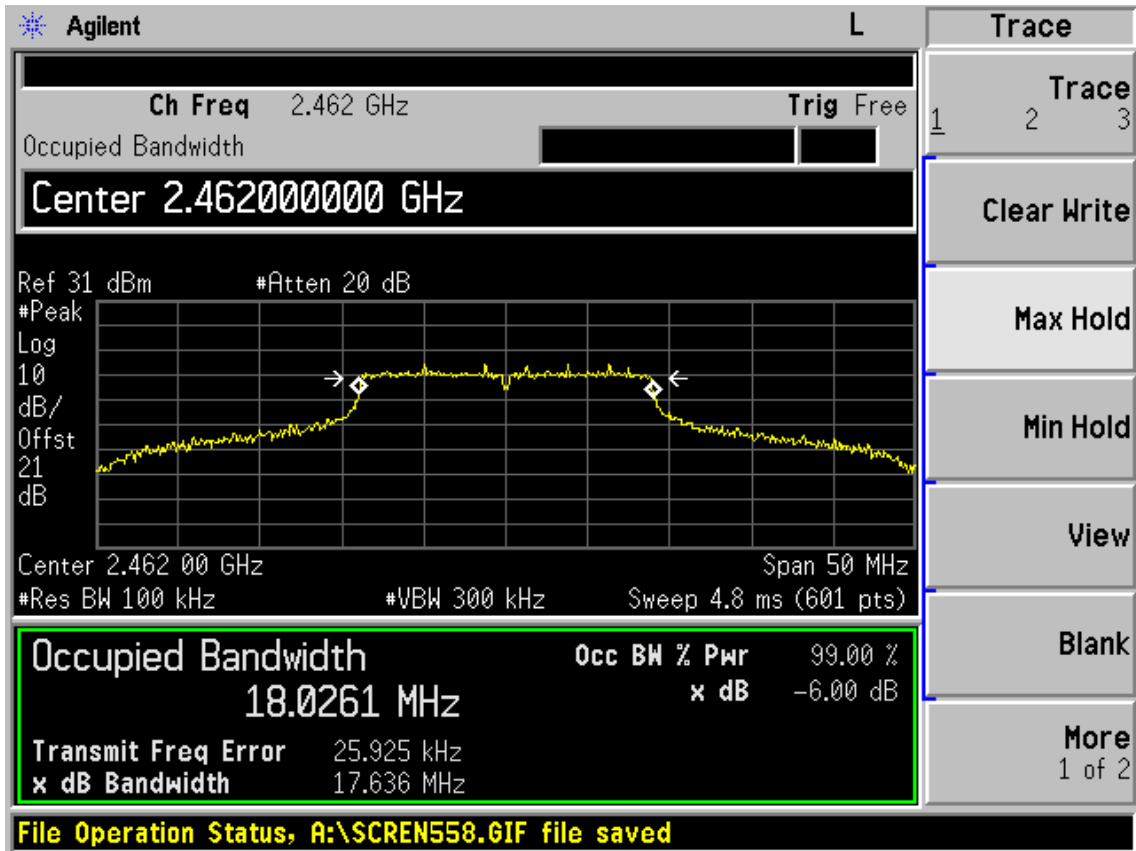
Test CH1: 2412MHz



Test CH6: 2437MHz

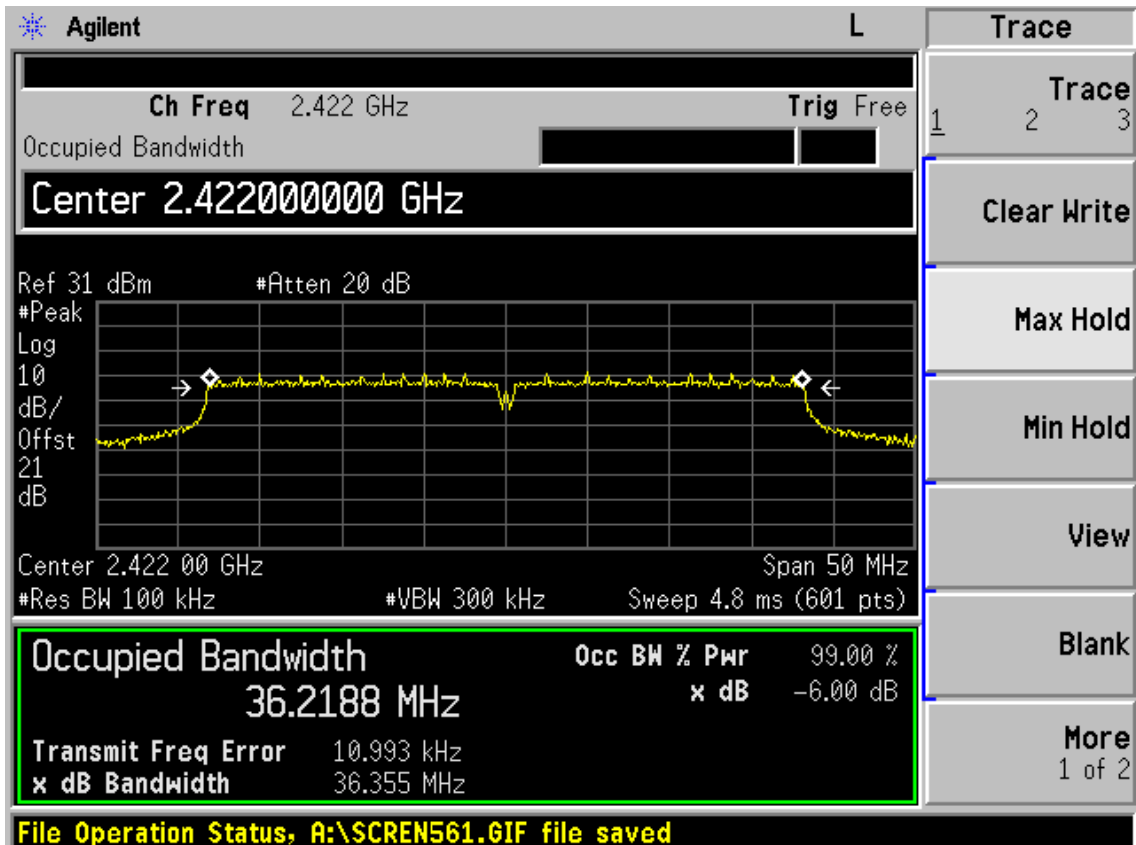


Test CH1: 2462MHz

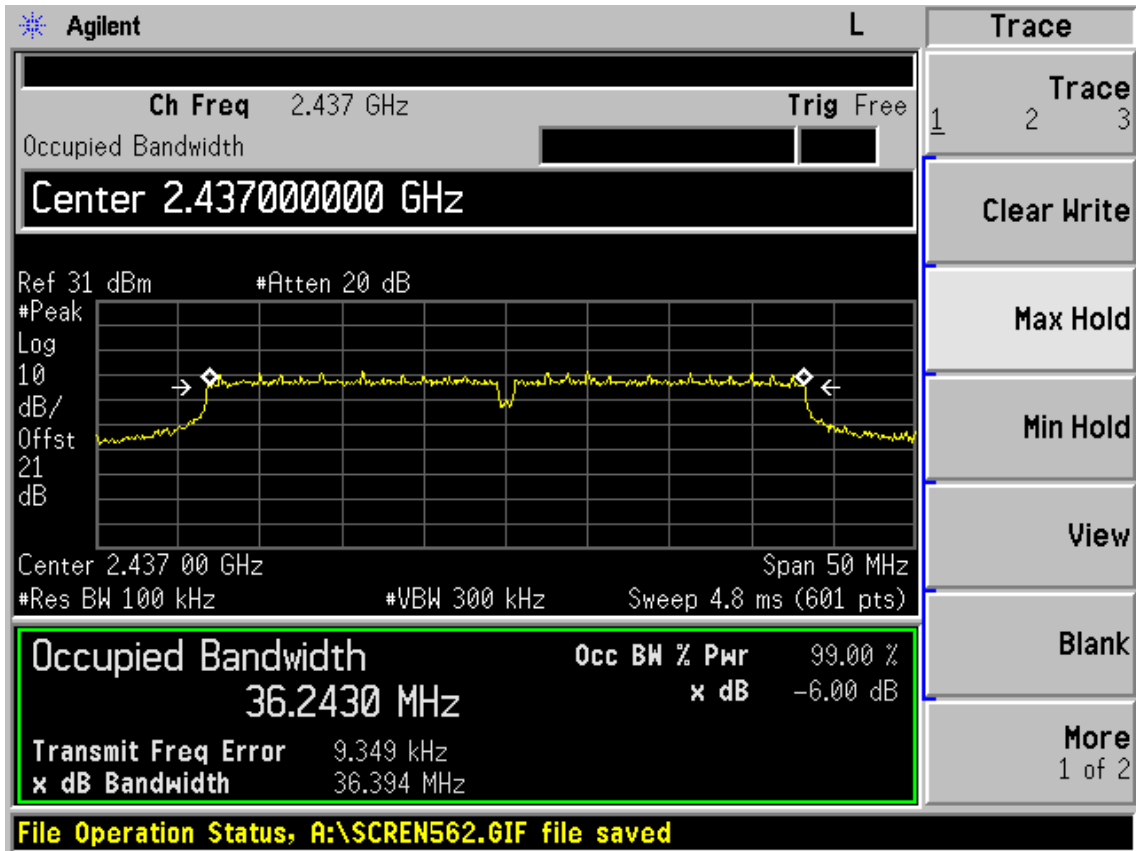


Test Mode: IEEE 802.11n HT40 TX

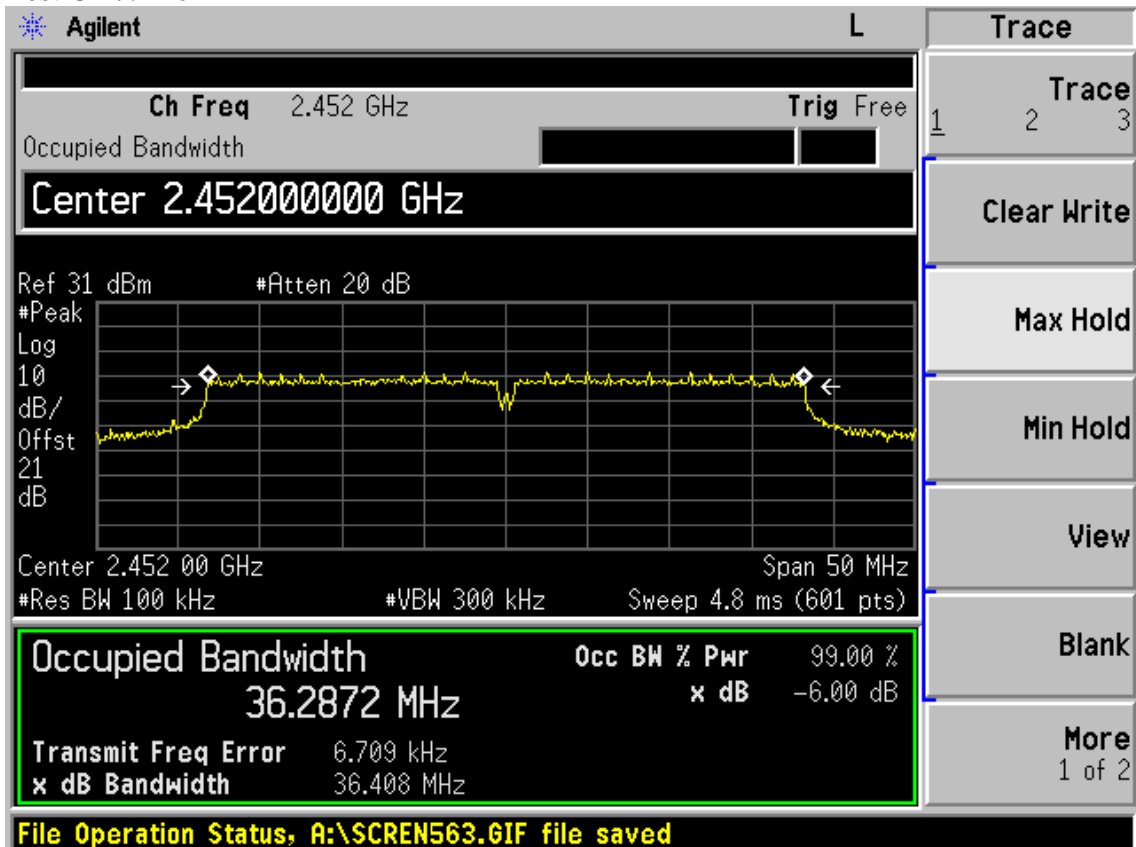
Test CH1: 2422MHz



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.	Power meter	Anritsu	ML2487A	6K00002472	May.08,10	1 Year
2.	Power sensor	Anritsu	MA2491A	0033005	May.08,10	1 Year
3	Attenuator	Agilent	8491B	MY39262165	May.08,10	1 Year
4	Spectrum Analyzer	Agilent	E4446A	US44300459	May.08, 10	1 Year
5	RF Cable	Hubersuhner	SUCOFLEX102	28618/2	May.08,10	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, Connected the EUT's antenna port to measure device by 20dB attenuator.
- 2, For IEEE 802.11b/g and IEEE802.11n HT20 mode, use a PK power meter which's bandwidth is 20MHz and above 6dB bandwidth of signal to measure out each test modes' PK output power.
- 3, For IEEE802.11n HT40 mode, because the signal's bandwidth is about 40MHz and above 20MHz bandwidth of power sensor ML2491A. So Bandwidth correction method according to ANSI C63.10 clause 6.10.2.1 part (c) was used:
 - 1) Set the RBW=3MHz and VBW =8MHz
 - 2) Turn averaging off
 - 3) Set sweep to automatic
 - 4) Set the span just large enough to capture the emission
 - 5) Use a peak detector on max hold
 - 6) Record the measured power
 - 7) Calculate Output power of EUT use the formula:

Peak output power =measured power+ 10log[(6dB bandwidth of emission)/(analyzer RBW)]

- 4, For IEEE802.11n mode, it's MIMO technology, so account total PK output power by add each chain's PK output power.

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

8.4. Test Results

EUT: EZ Connect™ N 11n Wireless PCI Adapter		
M/N: SMCWPCI-N3		
Test date: 2010-12-15	Pressure: 100.6 kpa	Humidity: 36%
Tested by: Paul Tian	Test site: RF site	Temperature: 22°C

Cable loss: 1.0 dB		Attenuator loss: 20.0 dB		Antenna Gain: 2 dBi	
Mode	CH	Result			Limit
		Chain 0 PK Output power(dBm)	Chain 1 PK Output power(dBm)	Total PK Output power(dBm)	(dBm)
11b	CH1	19.56	19.67	N/A	30
	CH6	20.10	20.14	N/A	30
	CH11	19.43	20.45	N/A	30
11g	CH1	20.43	20.78	N/A	30
	CH6	22.12	22.45	N/A	30
	CH11	21.43	21.45	N/A	30
11n HT20	CH1	17.68	18.22	20.97	30
	CH6	19.83	19.84	22.85	30
	CH11	18.02	18.34	21.19	30

Mode	CH	Result					Limit (dBm)
		Chain 0 Measured power(dBm)/3 MHz	Chain 0 PK Output power(dBm)	Chain 0 Measured power(dBm)/ 3MHz	Chain 0 PK Output power(dBm)	Total PK Output Power (dBm)	
11n HT40	CH1	10.34	21.25	10.18	21.09	24.18	30
	CH4	9.73	20.64	9.87	20.78	23.72	30
	CH7	10.13	21.04	9.53	20.44	23.76	30

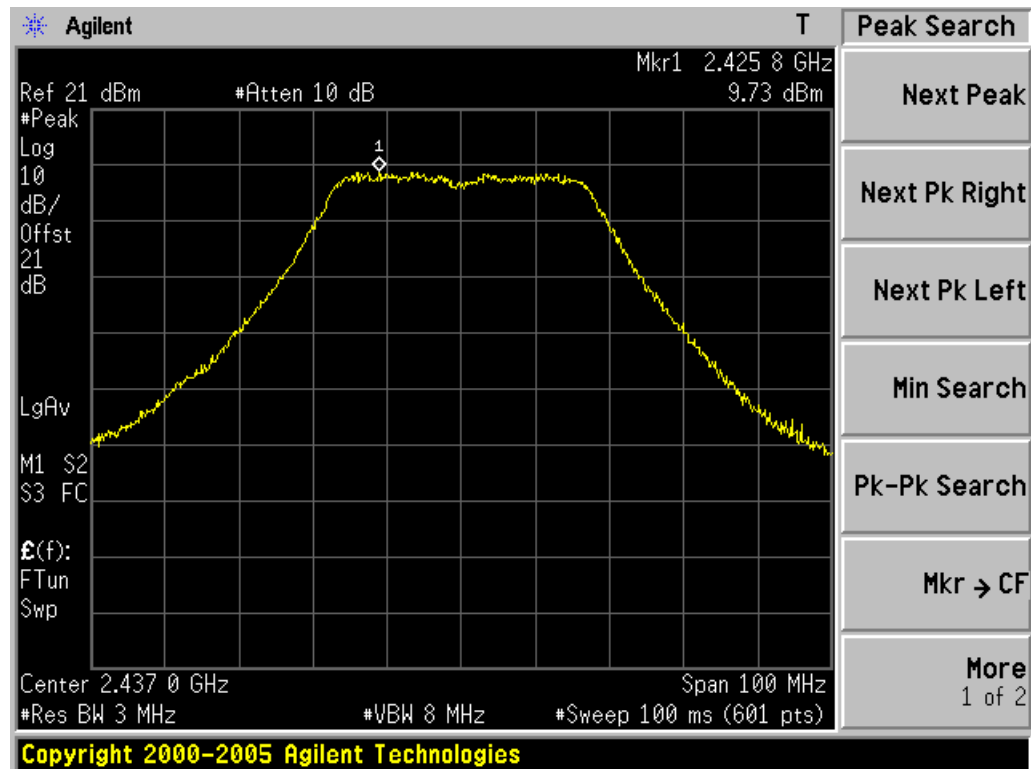
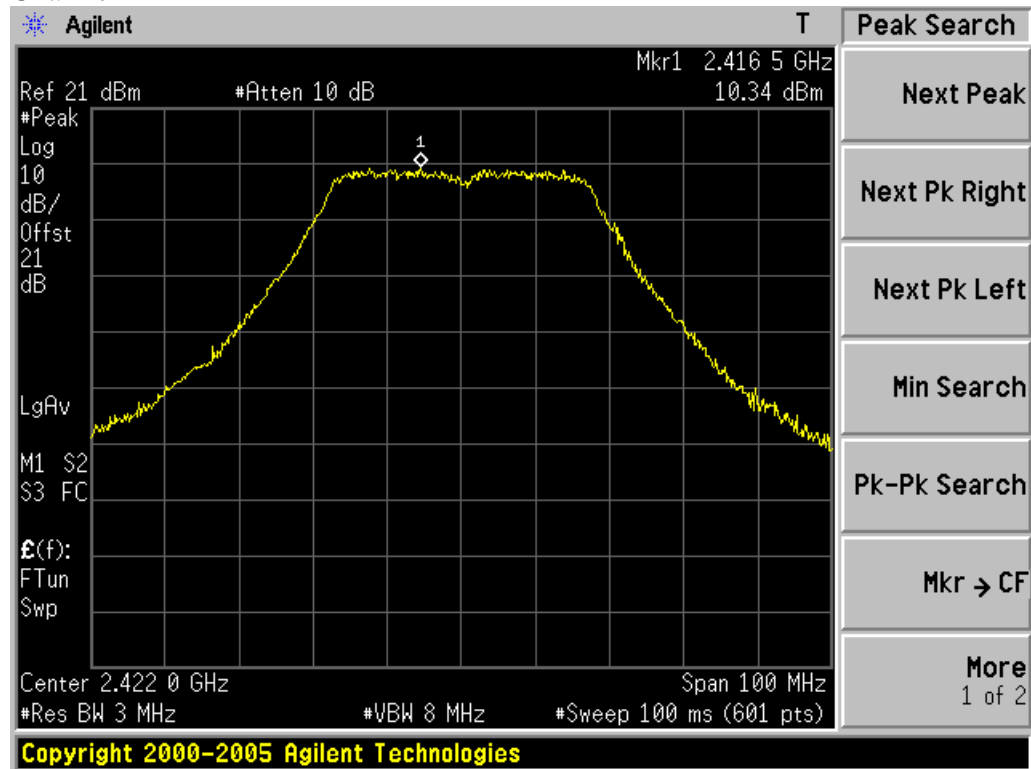
6dB Bandwidth for 11n HT40: 37MHz

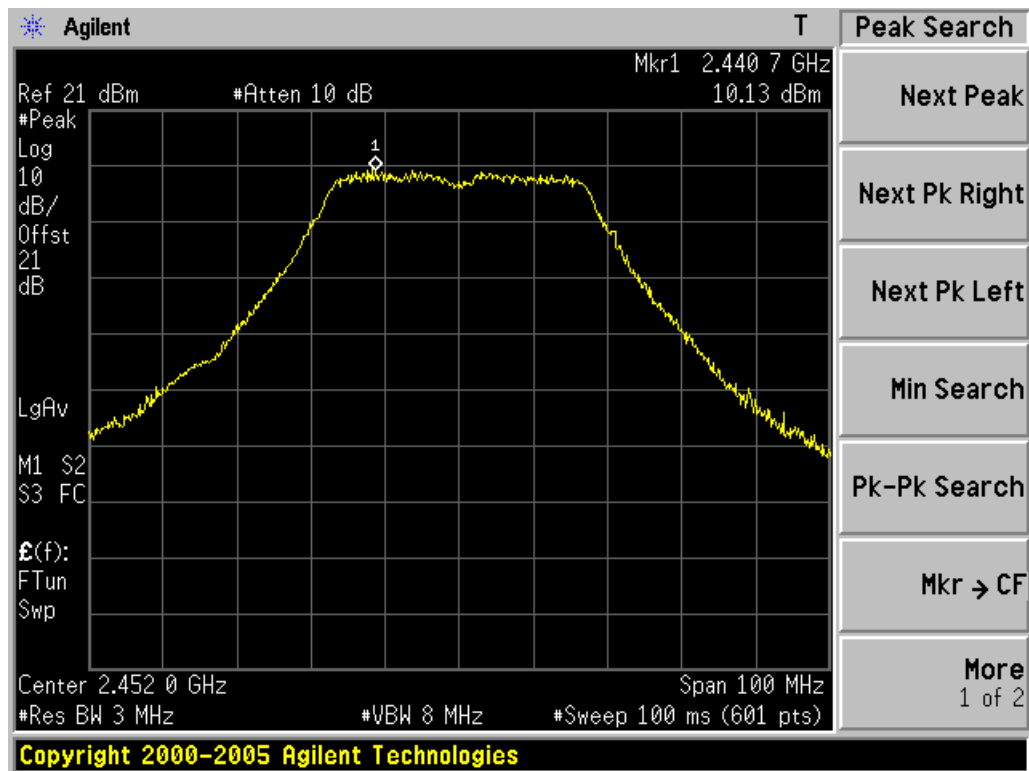
BW correction factor = $10\log[(37\text{MHz})/(3\text{MHz})] = 10.91\text{dB}$

Conclusion: PASS

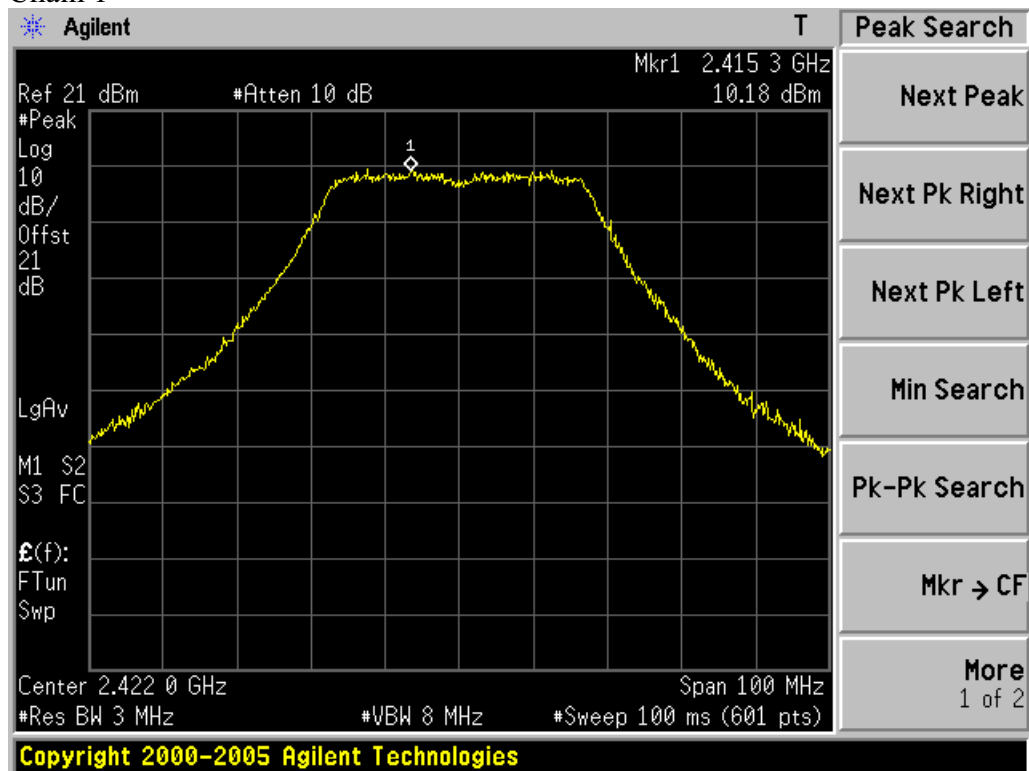
IEEE802.11n HT40 mode

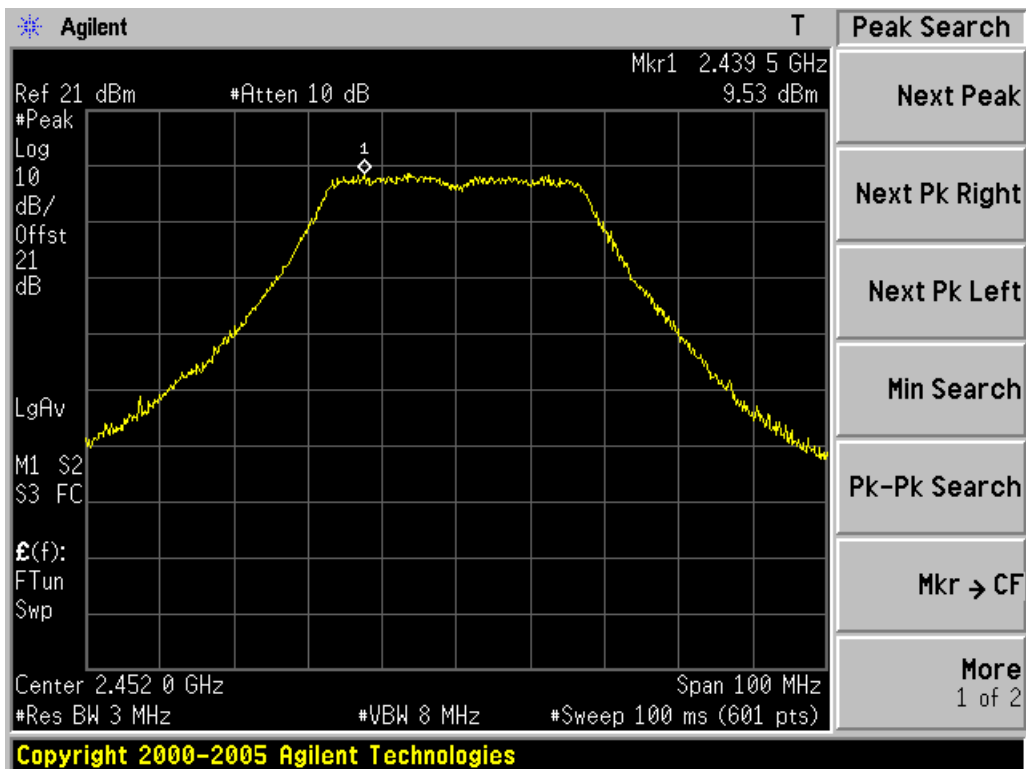
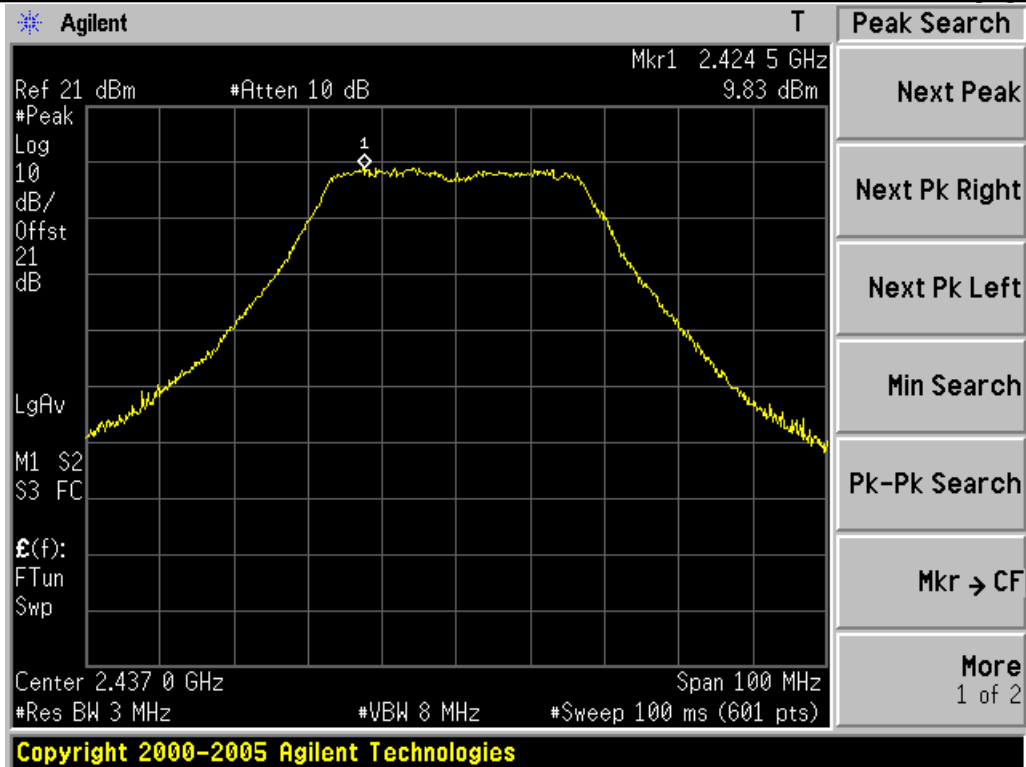
Chain 0





Chain 1





9. POWER SPECTRAL DENSITY TEST

9.1. Test Equipment

Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
1.	Spectrum Analyzer	Agilent	E4446A	US44300459	May.08, 10	1 Year
2.	Attenuator	Agilent	8491B	MY39262165	May.08, 10	1 Year
3.	RF Cable	Hubersuhner	SUCOFLEX102	28618/2	May.08, 10	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, Follow the test procedure as described in ANSI C.10: 2009 Clause 6.11.2.3 to measure out each test modes and chain's power density with 3KHz.
- 3, For IEEE802.11n mode, it's MIMO technology, so account total power density by add each chain's power density.

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

9.4. Test Results

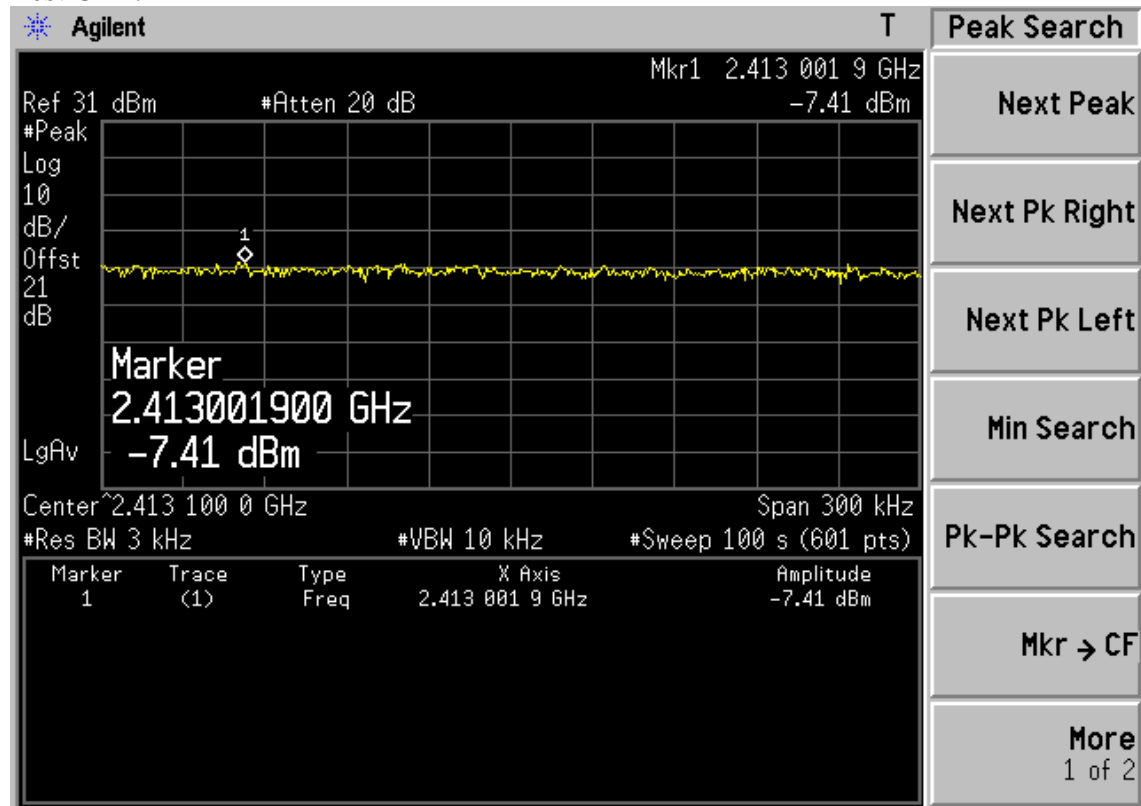
EUT: EZ Connect™ N 11n Wireless PCI Adapter		
M/N: SMCWPCI-N3		
Test date: 2010-12-15	Pressure: 100.6 kpa	Humidity: 38%
Tested by: Paul Tian	Test site: RF site	Temperature : 24.3°C

Cable loss: 1.0 dB		Attenuator loss: 20 dB		Antenna Gain: 2 dBi	
Mode	CH	Result			Limit (dBm/3KHz)
		Chain0 Power density (dBm/3KHz)	Chain1 Power density (dBm/3KHz)	Total Power density (dBm/3KHz)	
11b	CH1	-7.41	-7.30	N/A	8
	CH6	-8.07	-7.74	N/A	8
	CH11	-8.27	-7.96	N/A	8
11g	CH1	-19.48	-17.23	N/A	8
	CH6	-19.23	-18.56	N/A	8
	CH11	-17.87	-17.43	N/A	8
11n HT20	CH1	-18.40	-19.08	-15.72	8
	CH6	-19.03	-18.53	-15.76	8
	CH11	-17.83	-19.15	-15.43	8
11n HT40	CH1	-23.23	-24.19	-20.67	8
	CH4	-23.59	-22.16	-19.81	8
	CH7	-22.68	-21.87	-19.25	8
Conclusion: PASS					

Chain 0

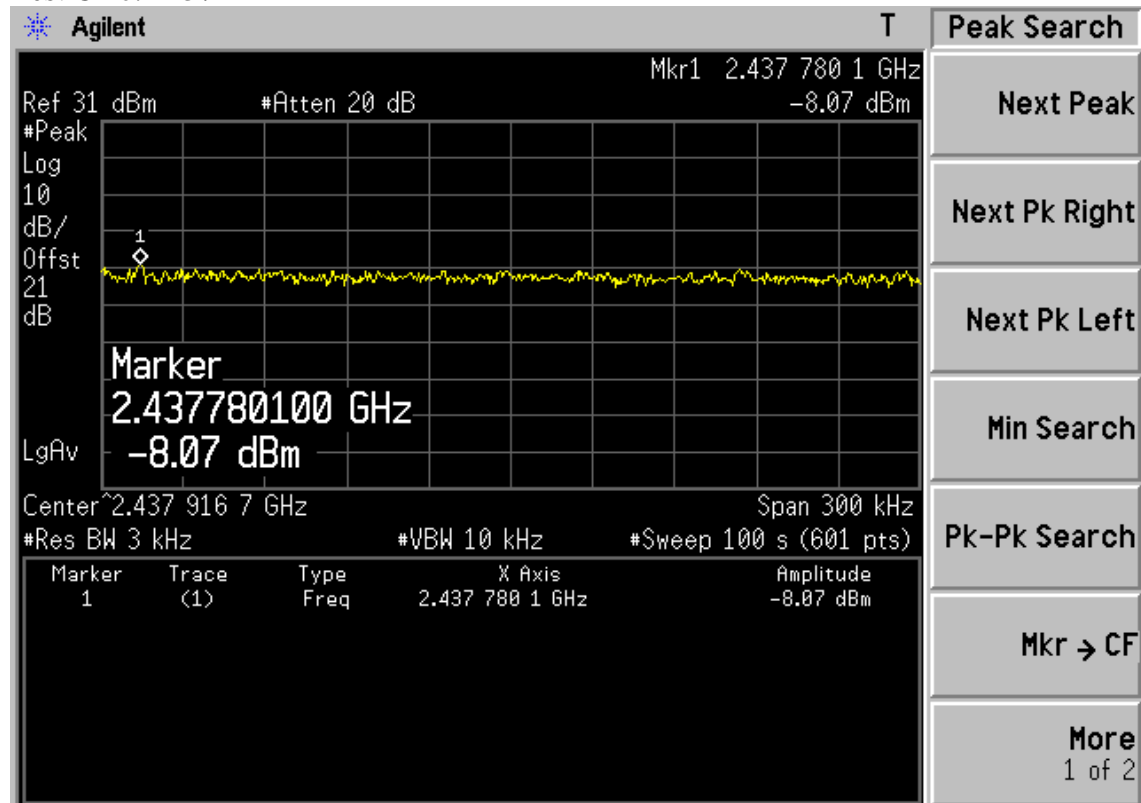
Test Mode: IEEE 802.11b TX

Test CH1: 2412MHz



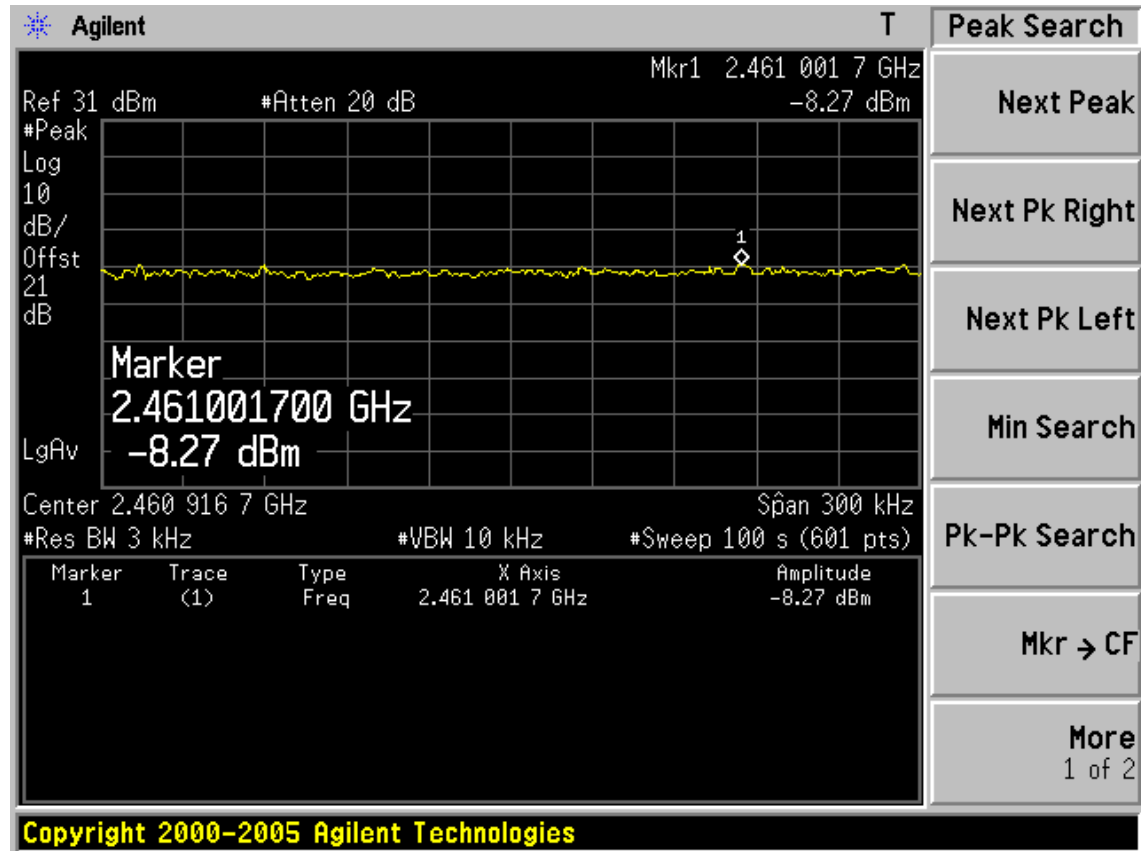
Copyright 2000-2005 Agilent Technologies

Test CH6: 2437MHz



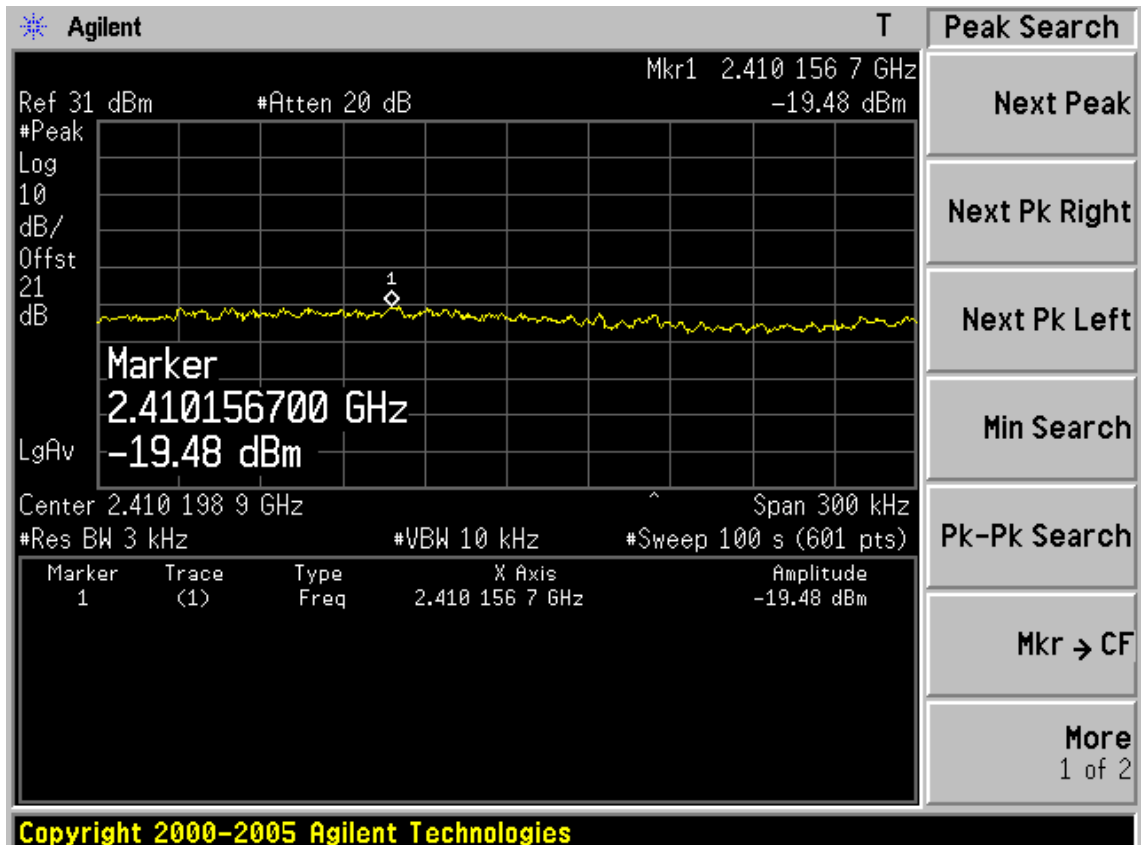
Copyright 2000-2005 Agilent Technologies

Test CH11: 2462MHz

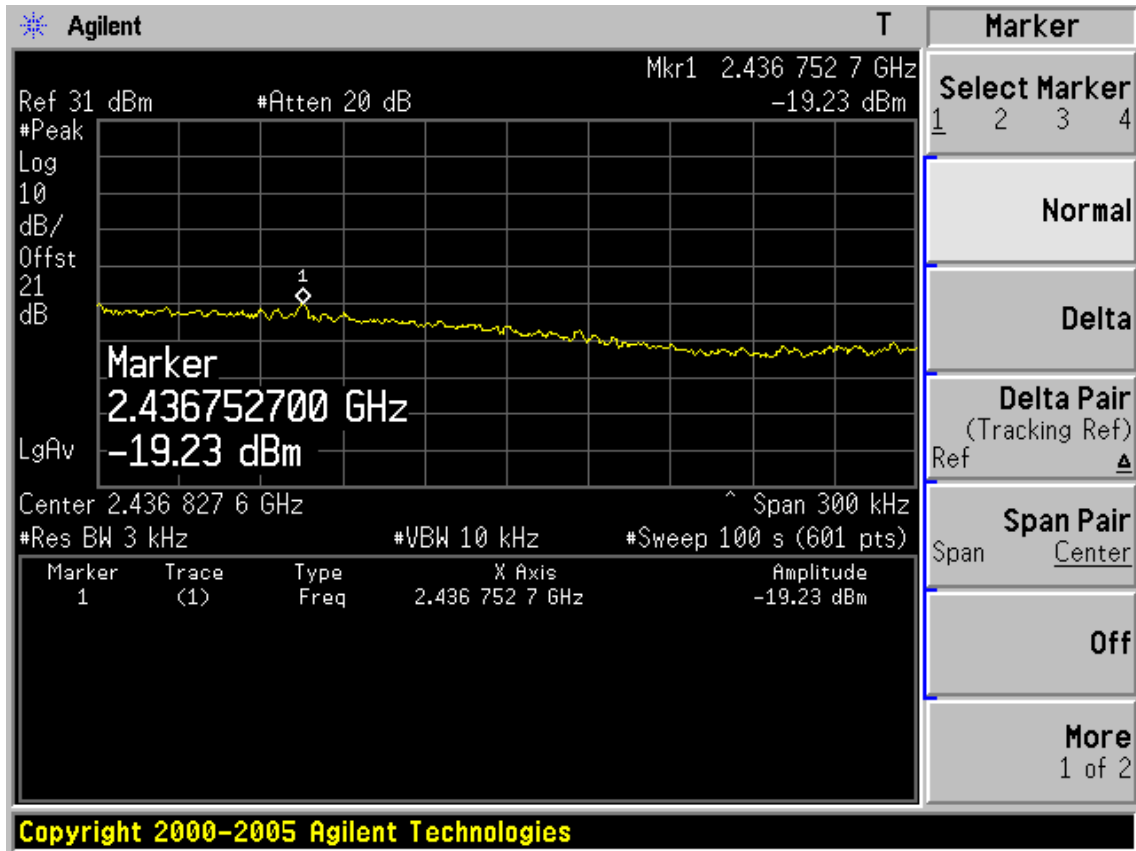


Test Mode: IEEE 802.11g TX

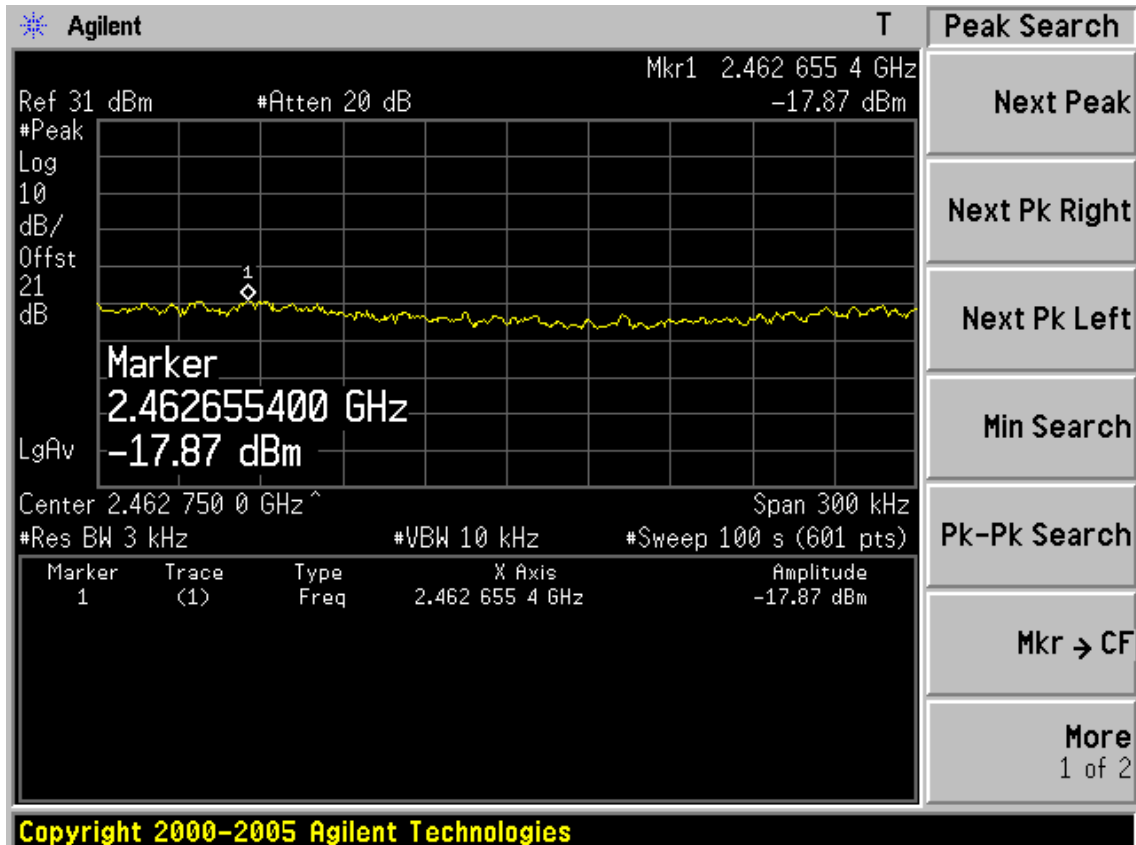
Test CH1: 2412MHz



Test CH6: 2437MHz

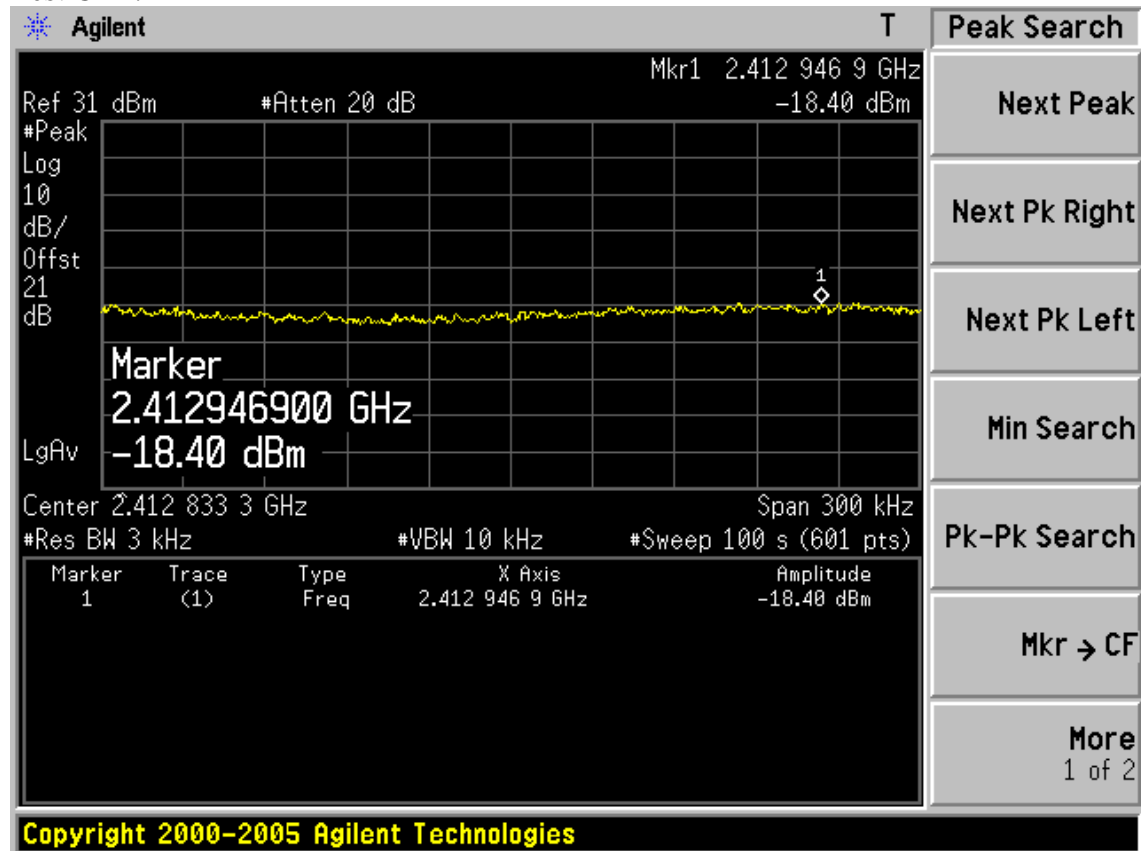


Test CH11: 2462MHz

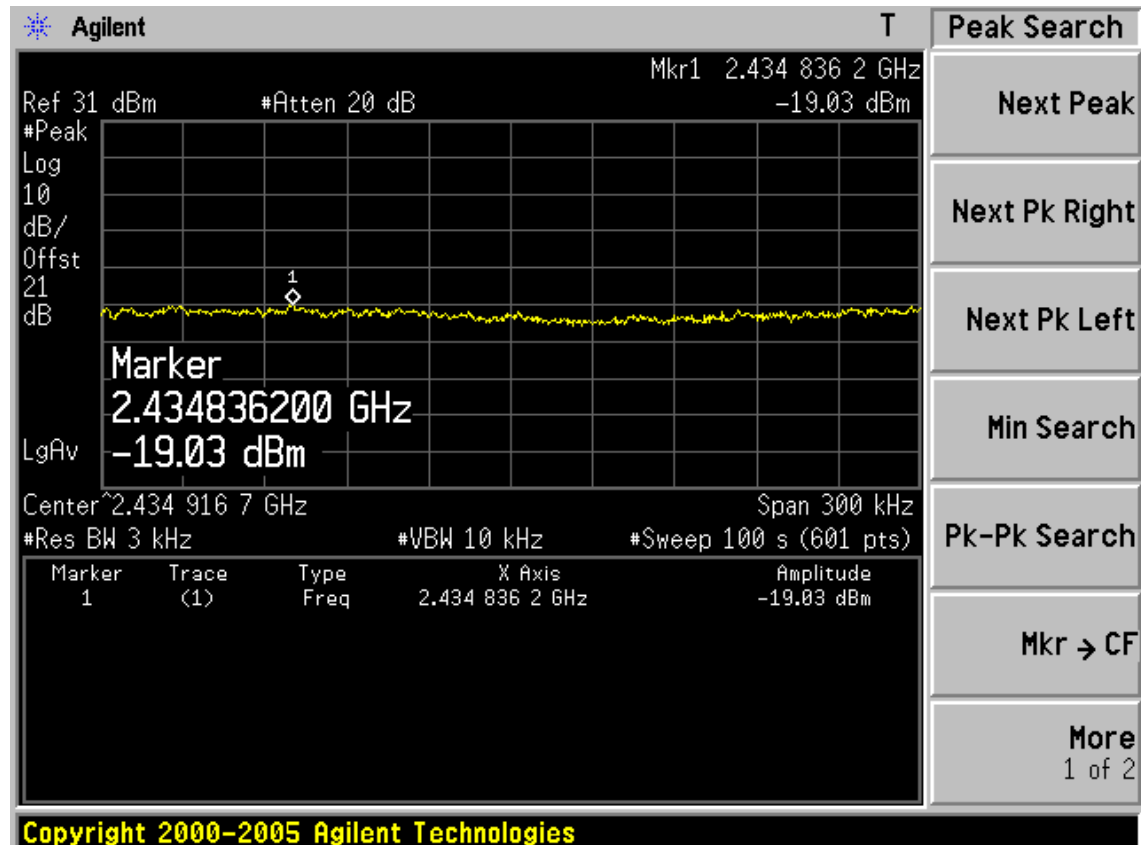


Test Mode: IEEE 802.11n HT20 TX

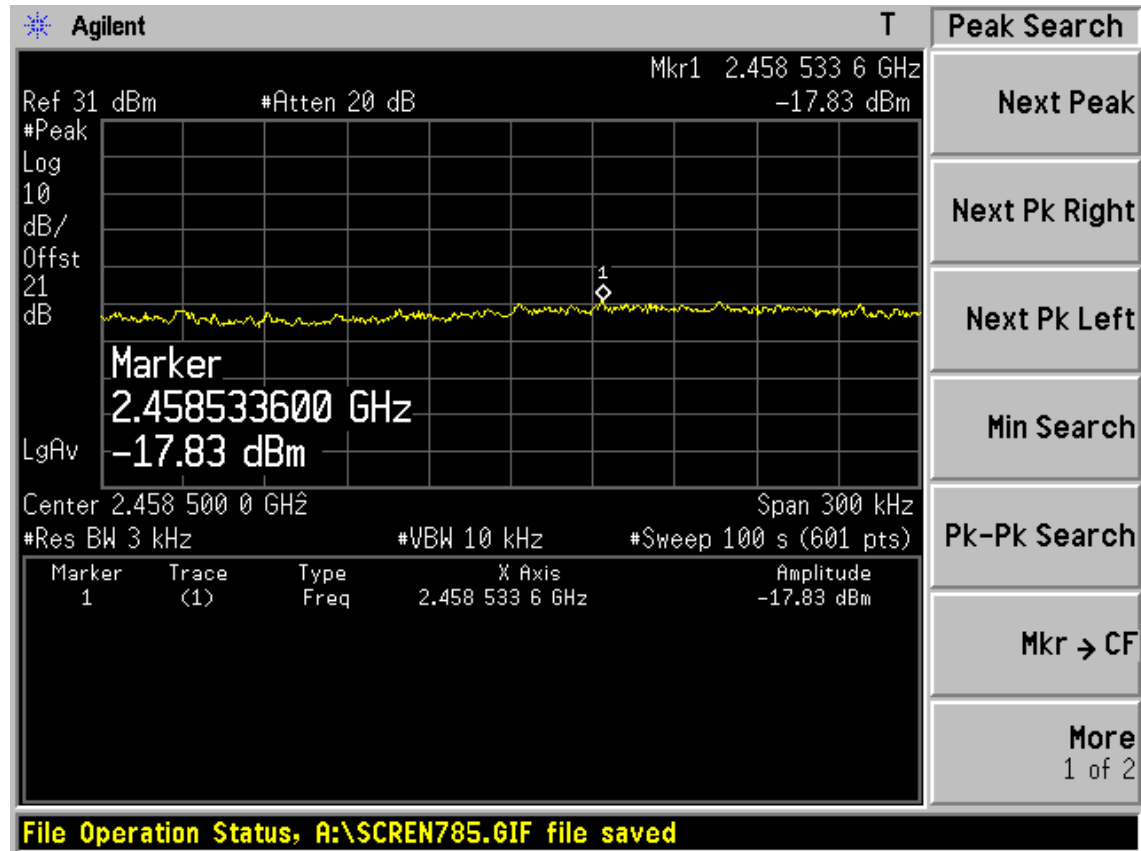
Test CH1: 2412MHz



Test CH6: 2437MHz

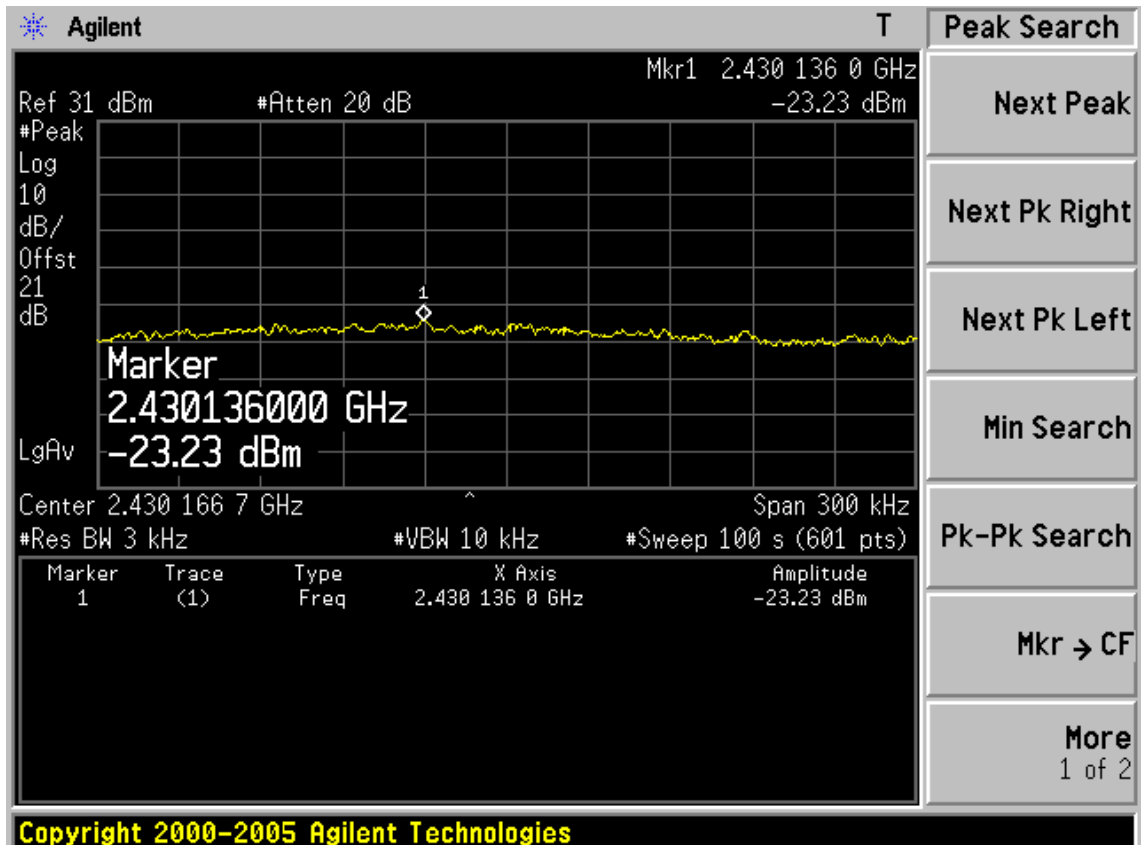


Test CH11: 2462MHz

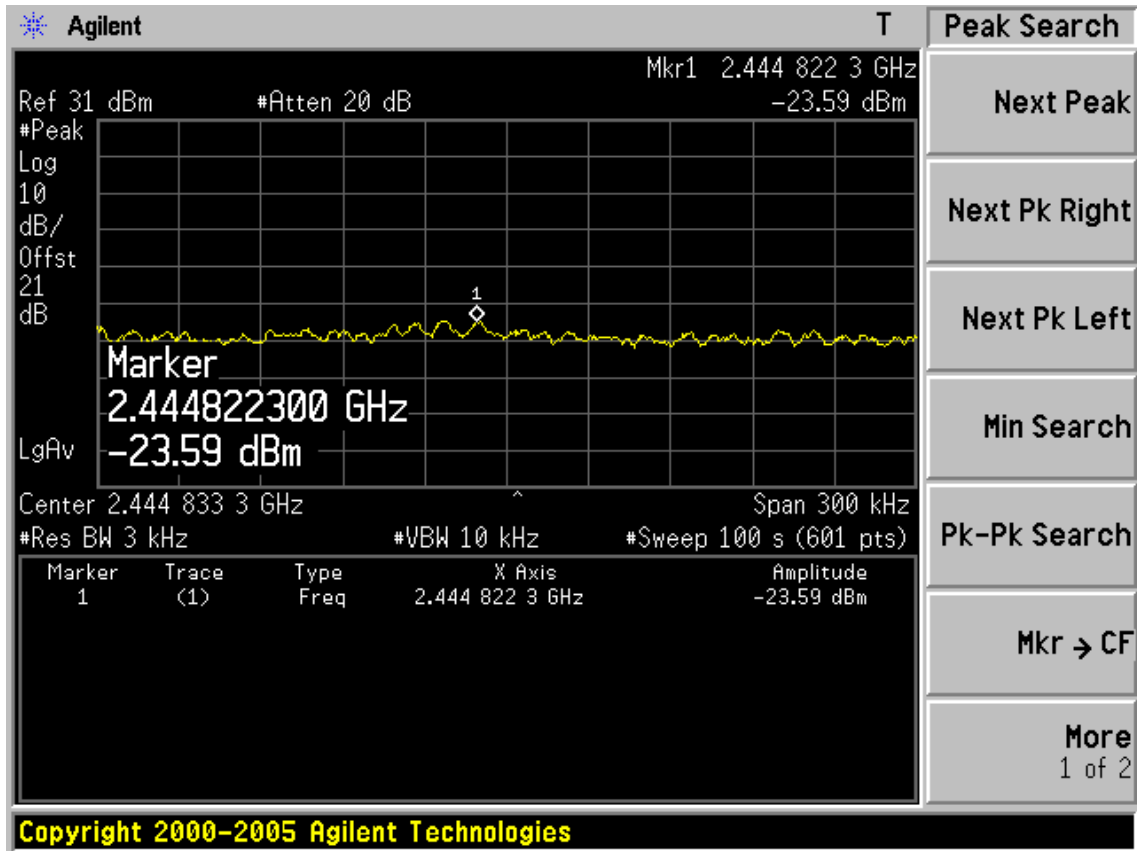


Test Mode: IEEE 802.11n HT40 TX

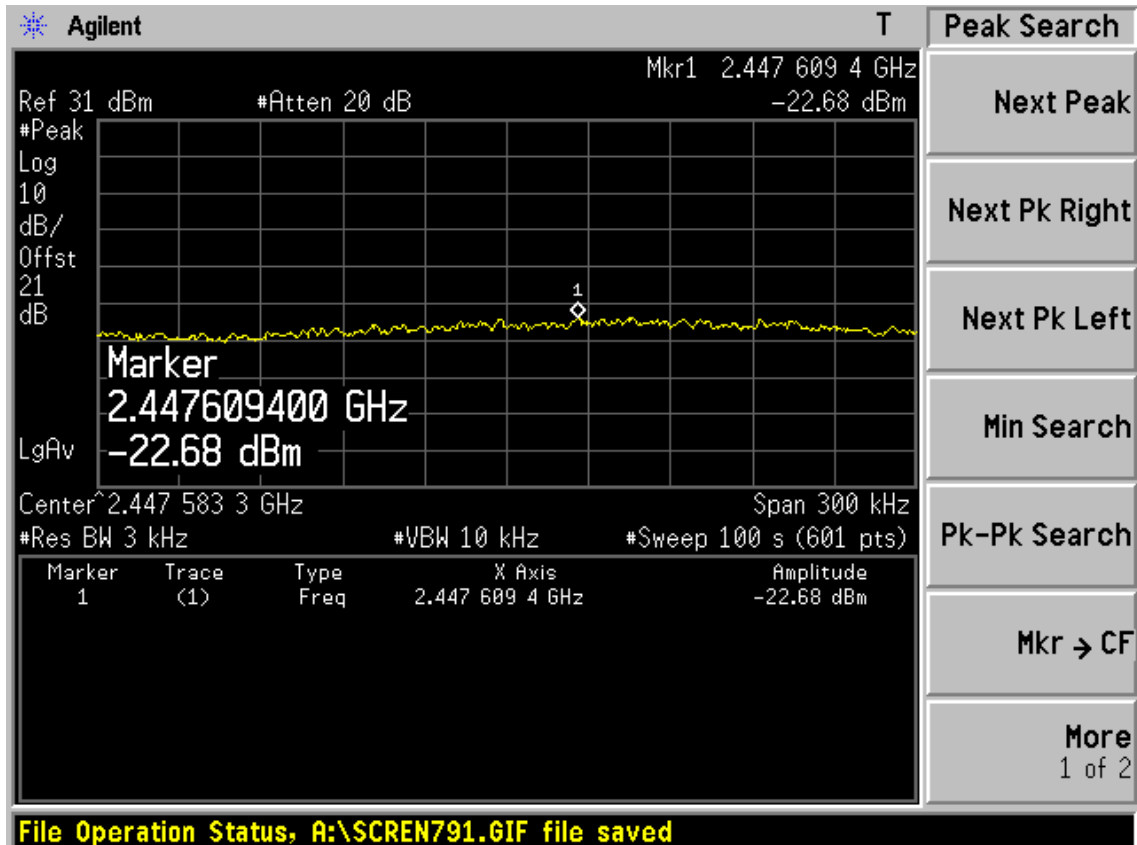
Test CH1: 2422MHz



Test CH4: 2437MHz



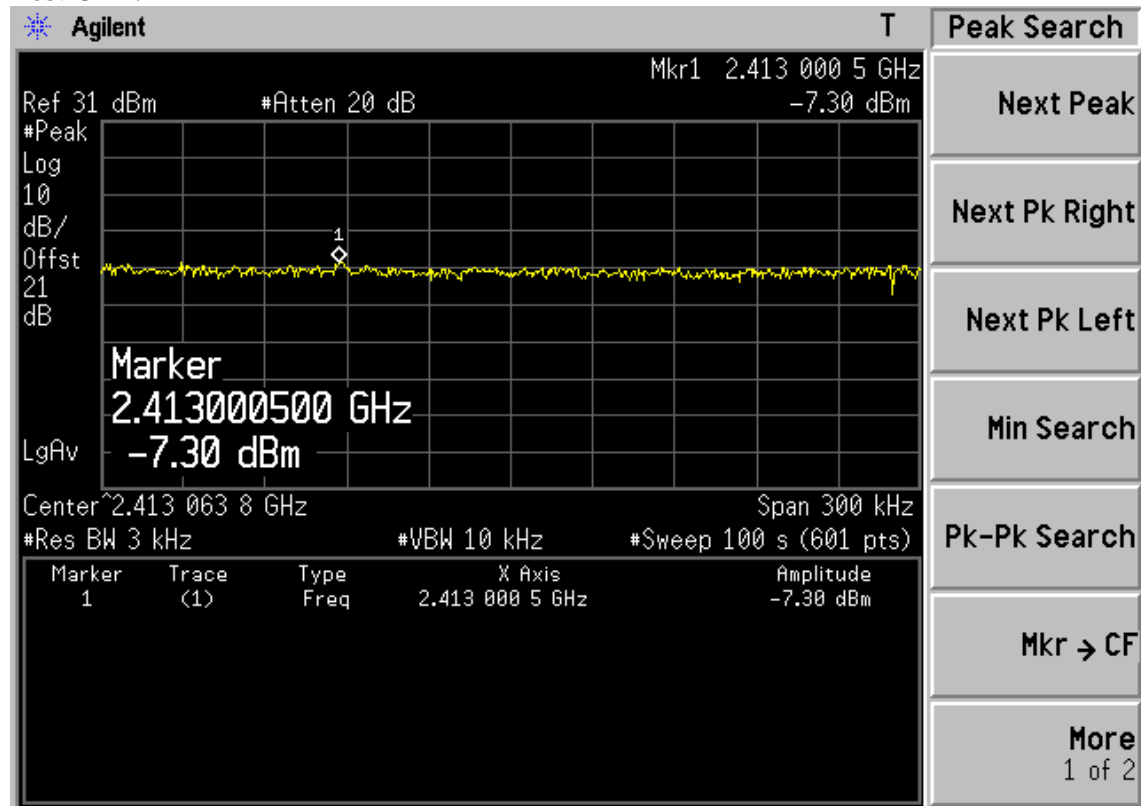
Test CH7: 2452MHz



Chain 1

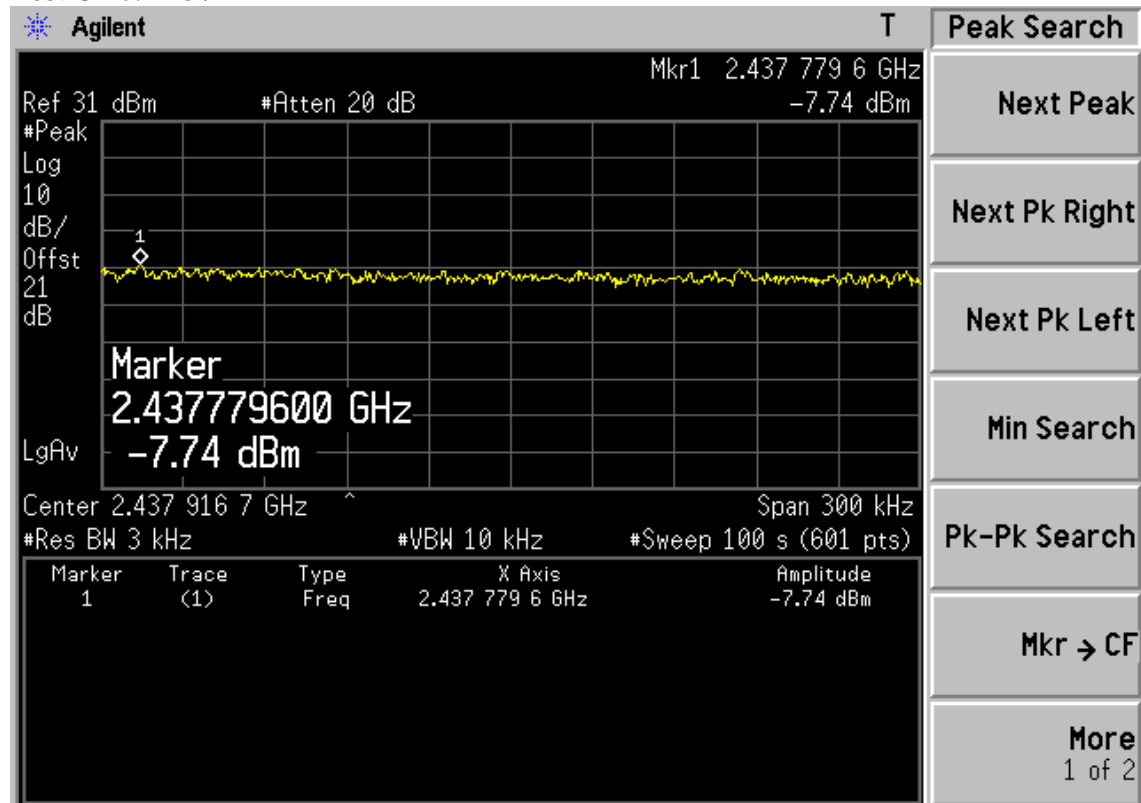
Test Mode: IEEE 802.11b TX

Test CH1: 2412MHz



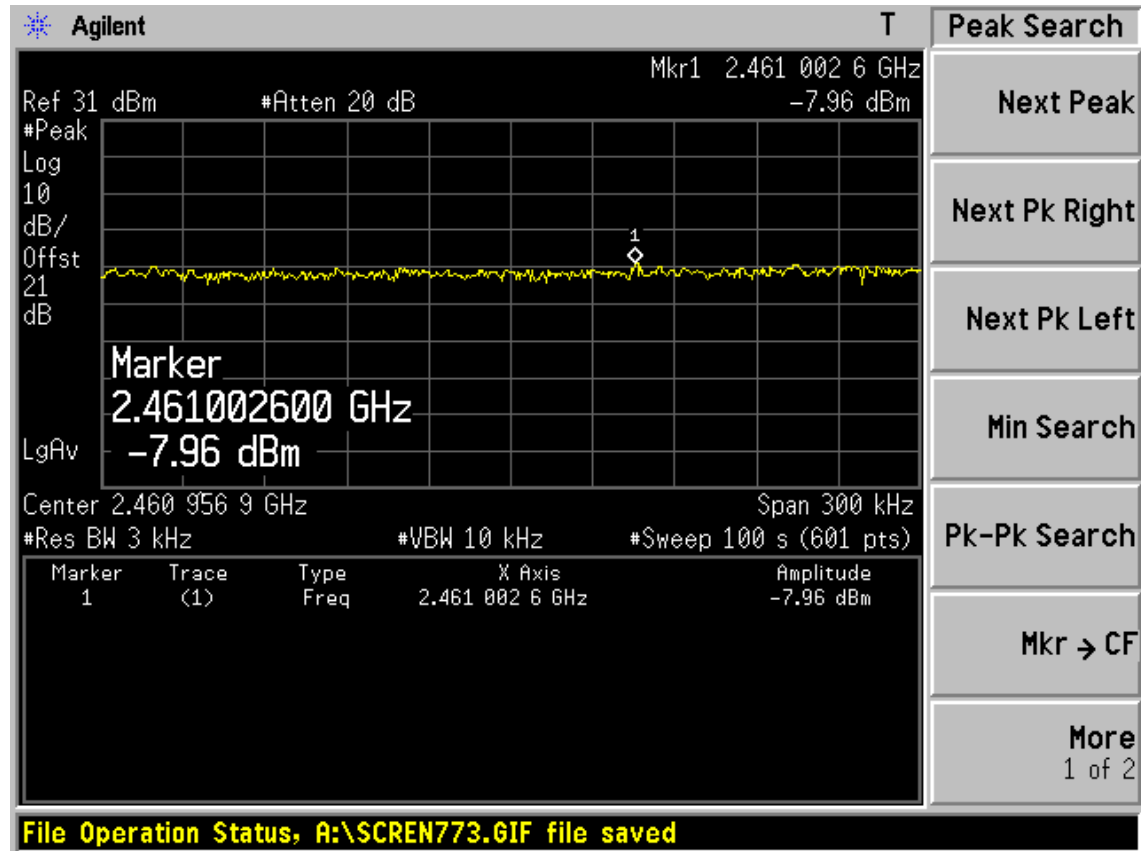
Copyright 2000-2005 Agilent Technologies

Test CH6: 2437MHz



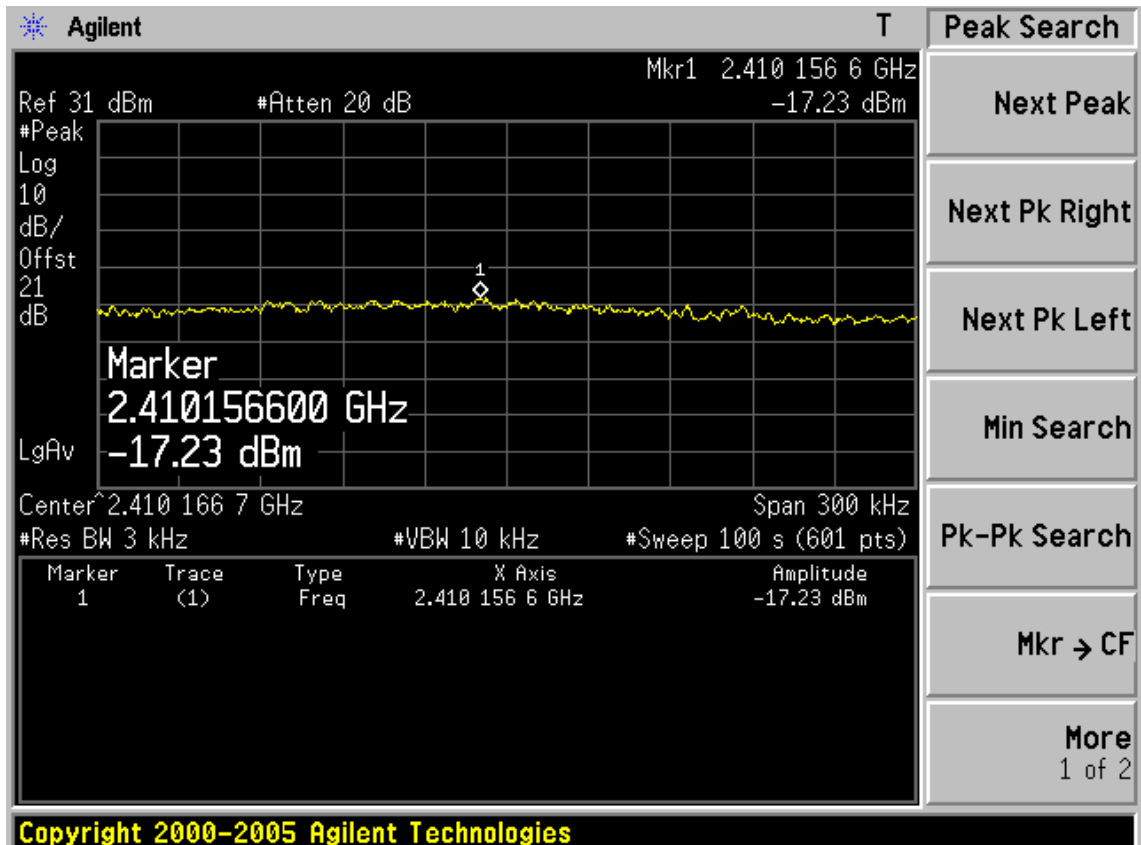
Copyright 2000-2005 Agilent Technologies

Test CH11: 2462MHz

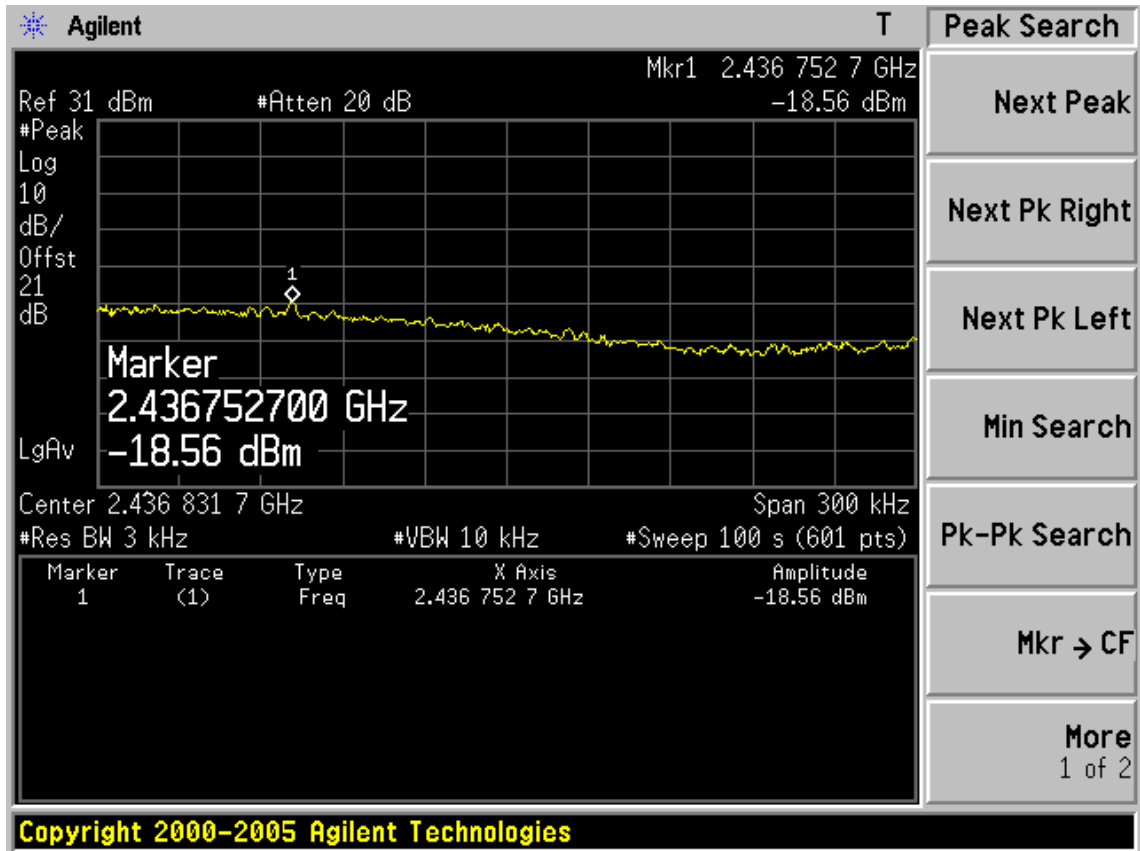


Test Mode: IEEE 802.11g TX

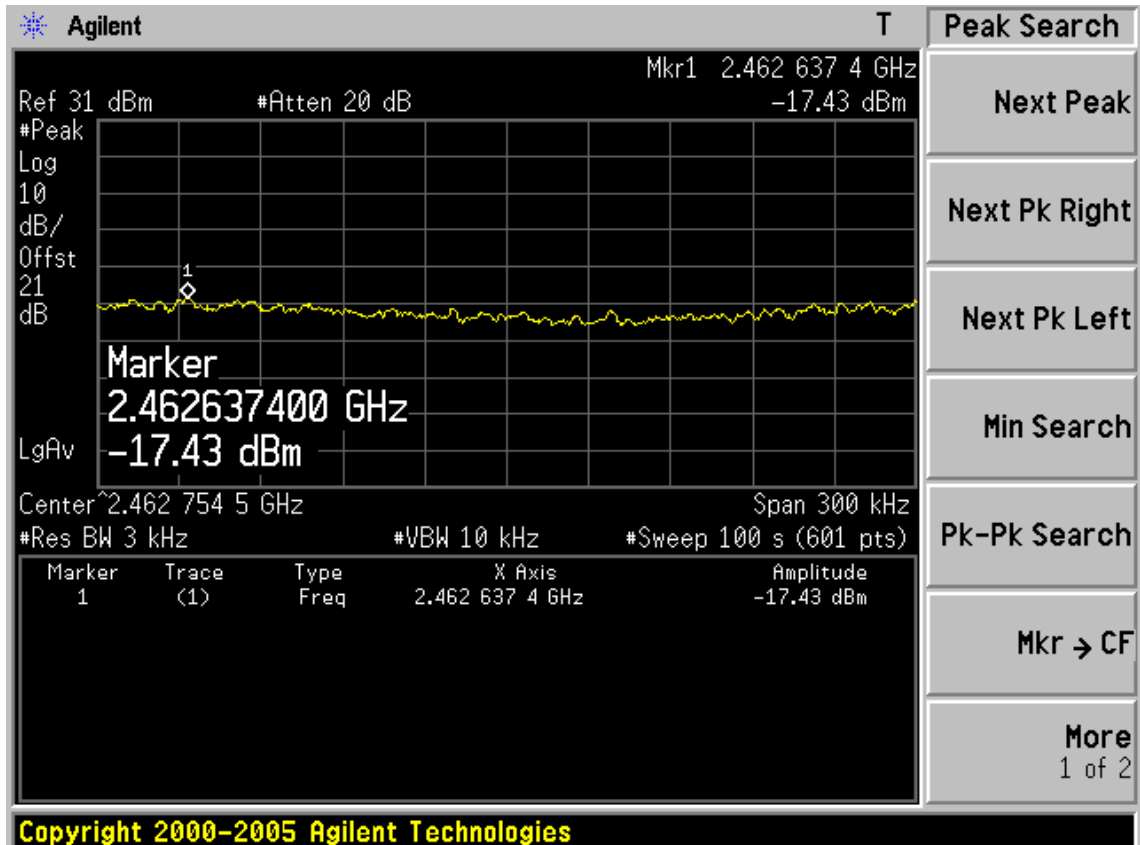
Test CH1: 2412MHz



Test CH6: 2437MHz

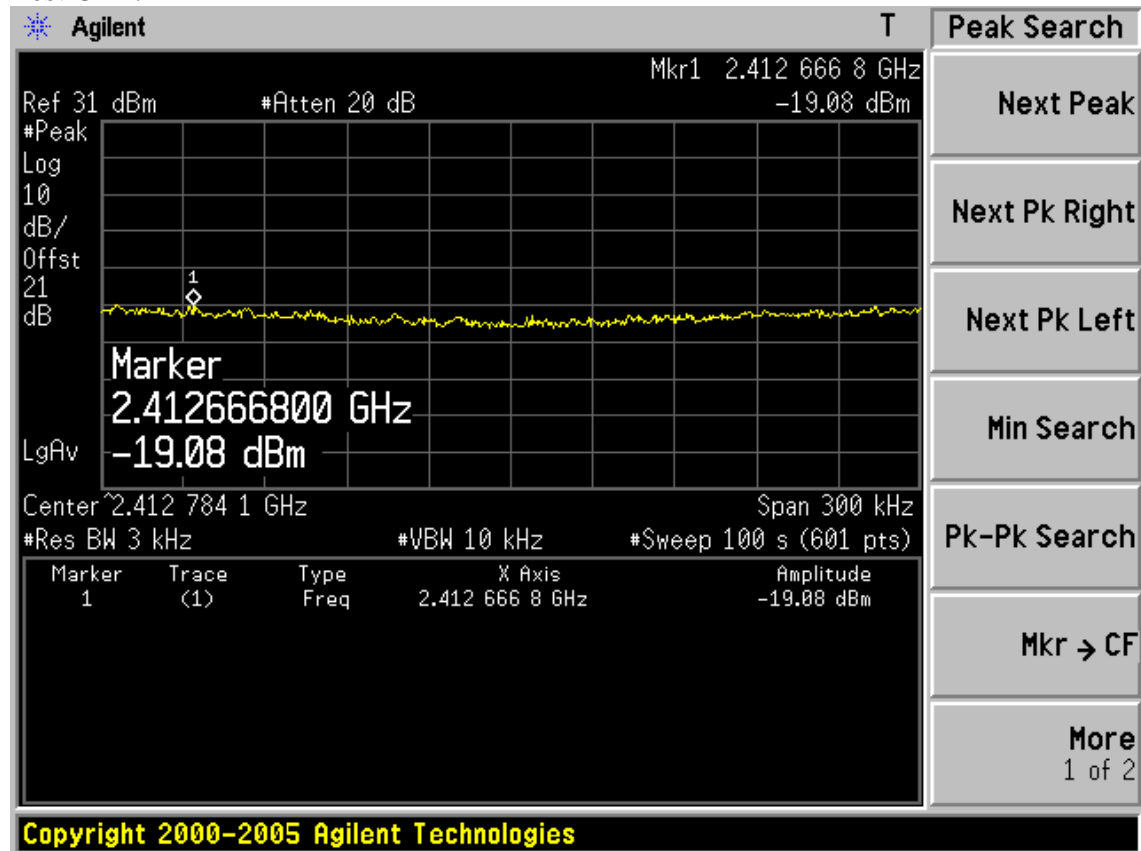


Test CH11: 2462MHz

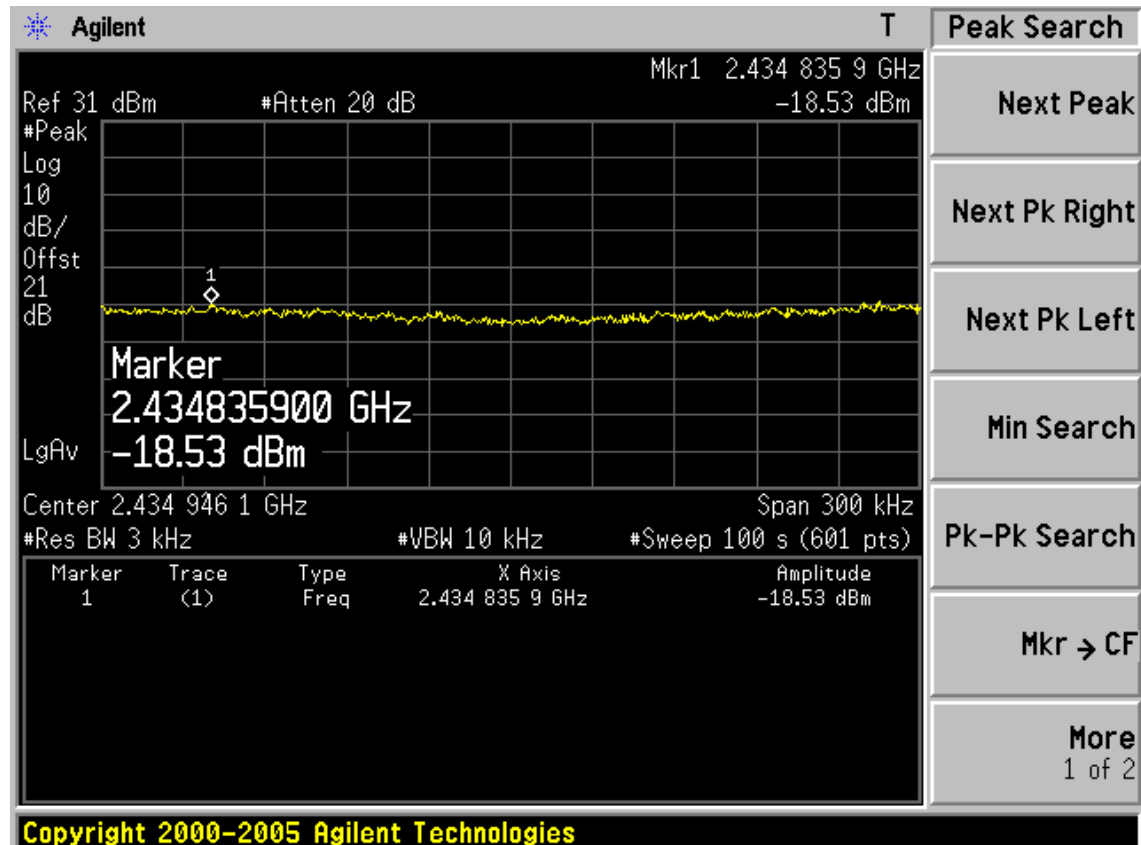


Test Mode: IEEE 802.11n HT20 TX

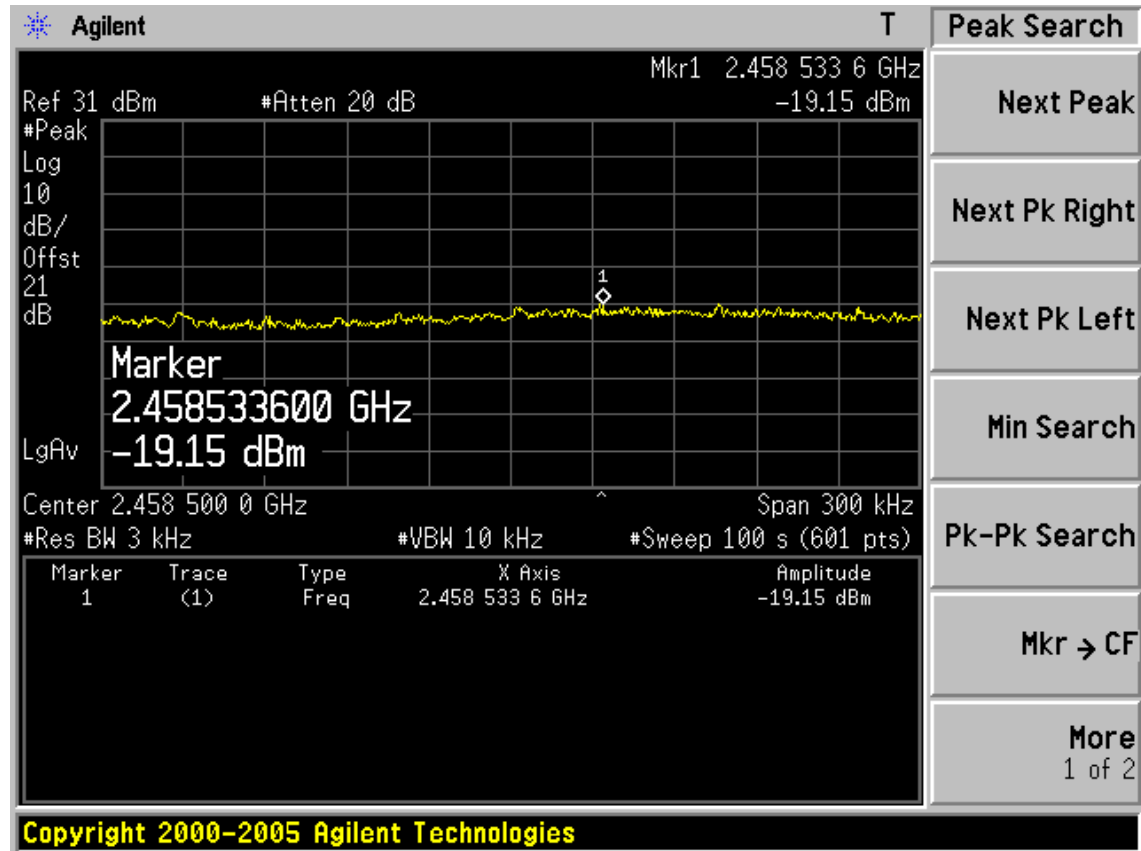
Test CH1: 2412MHz



Test CH6: 2437MHz

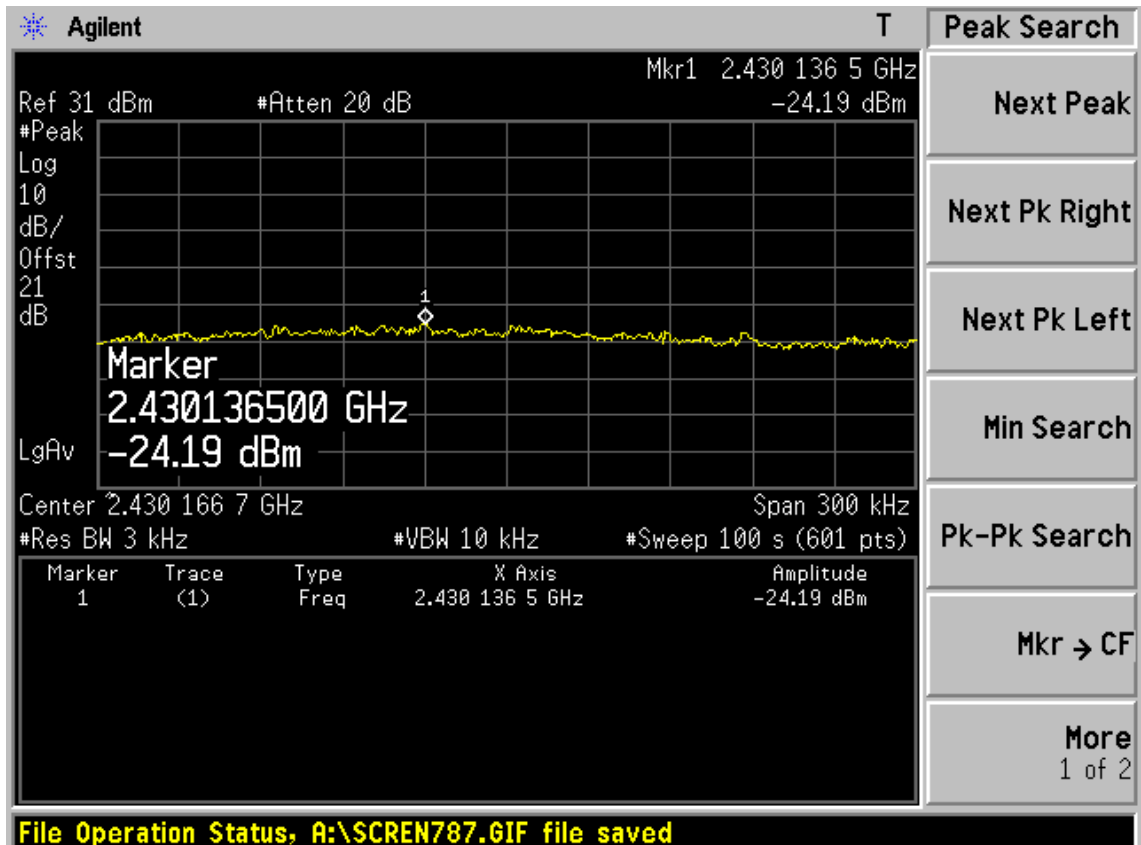


Test CH11: 2462MHz

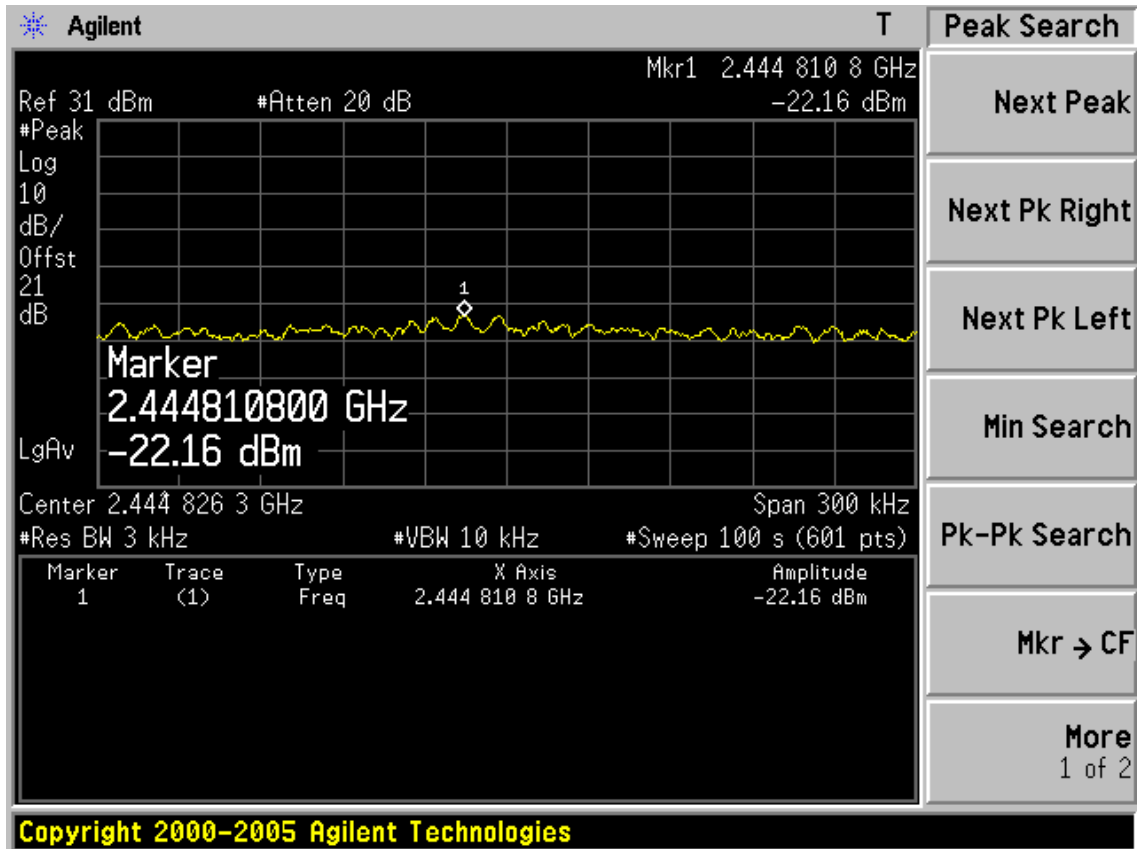


Test Mode: IEEE 802.11n HT40 TX

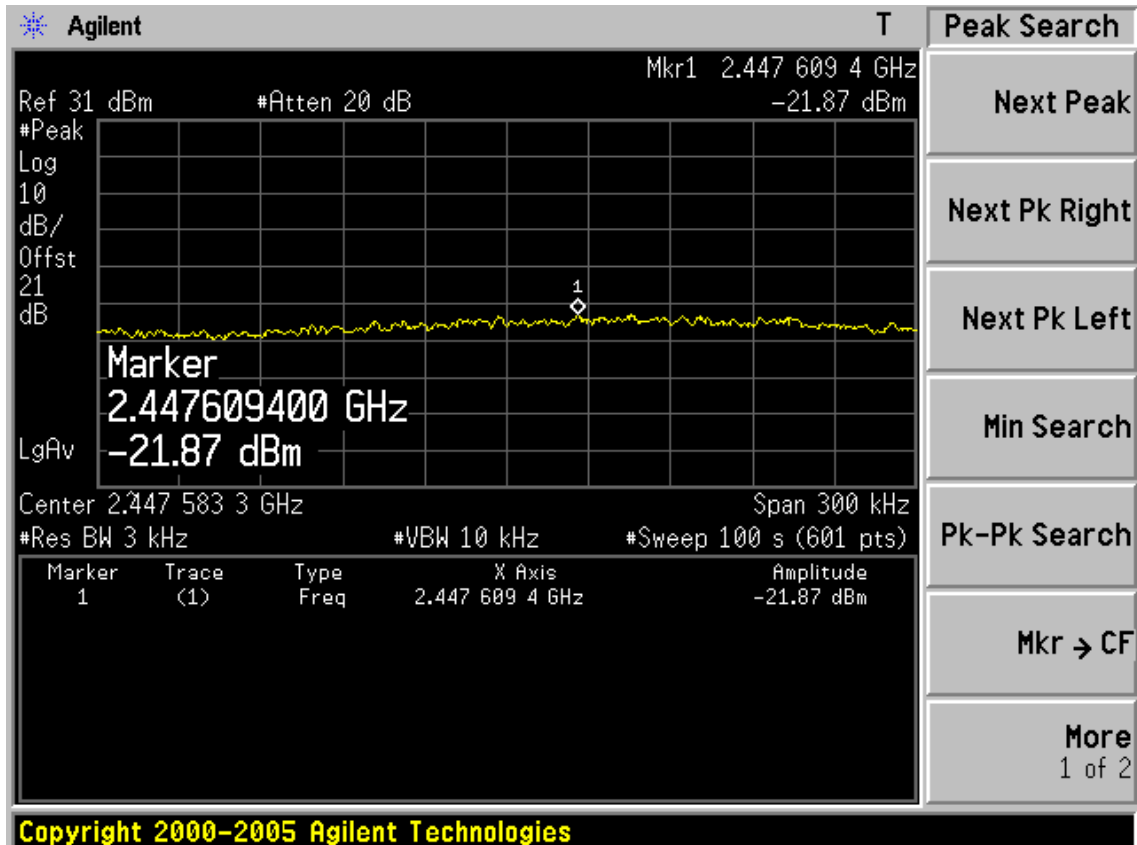
Test CH1: 2422MHz



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 MIMO 2X2 dipole antenna with SMA-B connector and 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 only 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

11.2.Estimation Result

Mode	CH	Frequency (MHz)	PK Output power (dBm)	Output power (mW)	Antenna Gain (dBi)	Antenna Gain(linear)	MPE (mW/ cm ²)
11b	1	2412	19.67	92.68	2	1.58	0.0292
	6	2437	20.14	103.28	2	1.58	0.0326
	11	2462	20.45	110.92	2	1.58	0.0350
11g	1	2412	20.78	119.67	2	1.58	0.0378
	6	2437	22.45	175.79	2	1.58	0.0555
	11	2462	21.45	139.64	2	1.58	0.0441
11n HT20	1	2412	20.97	125.03	2	1.58	0.0394
	6	2437	22.85	192.75	2	1.58	0.0608
	11	2462	21.19	131.52	2	1.58	0.0415
11n HT40	1	2422	24.18	261.82	2	1.58	0.0826
	4	2437	23.72	235.50	2	1.58	0.0743
	7	2452	23.76	237.68	2	1.58	0.0750

Note: The estimation distance is 20cm

12.DEVIATION TO TEST SPECIFICATIONS

[NONE]