FCC PART 15C TEST REPORT FOR CERTIFICATION
On Behalf of

Hewlett-Packard Company

HP Slate 7

Model Number: SUN-B12

FCC ID: B94SUNB12

Prepared for : Hewlett-Packard Company
1501 Page Mill Road, Palo Alto ,California, United States

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

Tel: (0755) 26639496

Report Number	:	ACS-F13059
Date of Test	:	Mar.03~08, 2013
Date of Report	:	Mar.20, 2013

TABLE OF CONTENTS

TEST REPORT CERTIFICATION

Applicant	:	Hewlett-Packard Company
Manufacturer	:	Hewlett-Packard Company
EUT Description	:	HP Slate 7
FCC ID	:	B94SUNB12
		(A) MODEL NO. : SUN-B12
		(B) SERIAL NO. : N/A
		(C) POWER SUPPLY : DC 3.7V, DC 5V From Adapter Input AC 120V/60Hz
		(D) TEST VOLTAGE : DC 5V From Adapter Input AC 120V/60Hz

Tested for comply with:
FCC Rules and Regulations Part 15 Subpart C: 2011
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. This report contains data that are not covered by the NVLAP accreditation. Also, this report shows that the Equipment Under Test (EUT) is to be technically compliant with the FCC and IC requirements.

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

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

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

Date of Test : Mar.03~ 08, 2013 Report of date: Mar.20, 2013

Prepared by : Lisa Liang
Lisa Liang/ Assistant

Reviewed by :
Sunny Lu / Assistant Manager

AUDIX® 信華科技（深圳）有限公司
Audix Technology (Shenzhen) Co., Ltd.
EMC 部門報告專用章
Stamp only for EMC Dept. Report
Signature: Ken Lu 3/20/13

Approved & Authorized Signer :
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: 15.209 ANSI C63.10: 2009	PASS
Band Edge Compliance	FCC Part 15: 15.247 ANSI C63.10: 2009	PASS
Conducted spurious emissions	FCC Part 15: 15.247 ANSI C63.10: 2009	PASS
6dB Bandwidth	FCC Part 15: 15.247 ANSI C63.10: 2009	PASS
Peak Output Power	FCC Part 15: 15.247 ANSI C63.10: 2009	PASS
Power Spectral Density	FCC Part 15: 15.247 ANSI C63.10: 2009	PASS
Antenna requirement	FCC Part 15: 15.203	PASS

2. GENERAL INFORMATION

2.1.Description of Device (EUT)

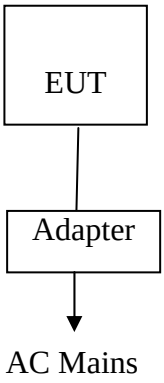
Product Name	:	HP Slate 7
Model Number	:	SUN-B12
FCC ID	:	B94SUNB12
Radio	:	Bluetooth V2.1+EDR; IEEE 802.11b/g/n
Operation Frequency	:	IEEE 802.11b: 2412MHz—2462MHz IEEE 802.11g: 2412MHz—2462MHz IEEE 802.11n HT20: 2412MHz—2462MHz IEEE 802.11n HT40: 2422MHz—2452MHz Bluetooth 2402-2480MHz
Channel Number	:	IEEE 802.11b/g, IEEE 802.11n HT20: 11 Channels IEEE 802.11n HT40: 7 Channels Bluetooth: 79 channels
Modulation Technology	:	IEEE 802.11b: DSSS(CCK,DQPSK,DBPSK) IEEE 802.11g: OFDM(64QAM, 16QAM, QPSK, BPSK) IEEE 802.11n HT20: OFDM (64QAM, 16QAM, QPSK,BPSK) IEEE 802.11n HT20: OFDM (64QAM, 16QAM, QPSK,BPSK) Bluetooth: GFSK, π/4QPSK, 8DPSK
Antenna Assembly Gain	:	PCB, 2.182dBi PK Gain
Applicant	:	Hewlett-Packard Company 1501 Page Mill Road, Palo Alto ,California, United States
Manufacturer	:	Hewlett-Packard Company 1501 Page Mill Road, Palo Alto ,California, United States
Power Adapter	:	Manufacturer: Shenzhen HONOR Electronic Co., Ltd Model No.:ADS-12B-0605010G Cable: Unshielded, Detachable, 1.0m
USB Cable	:	Shielded, Detachable, 1.0m
Date of Test	:	Mar.03～08, 2013
Date of Receipt	:	Feb.28, 2013
Sample Type	:	Prototype production

2.2.Test Information

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

Tested mode, channel, and data rate information			
Mode	data rate (Mpbs)(see Note)	Channel	Frequency (MHz)
IEEE 802.11b	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: CH5	2437
	13.5	High: CH9	2452
Note: According exploratory test, EUT will have maximum output power in those data rate, so those data rate were used for all test.			

2.3. Block diagram of connection between the EUT and simulators



(EUT: HP Slate 7)

2.4. Test Facility

Site Description

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

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

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

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

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

Accredited by NVLAP, USA
NVLAP Code: 200372-0
Valid Date: Mar.31, 2013

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

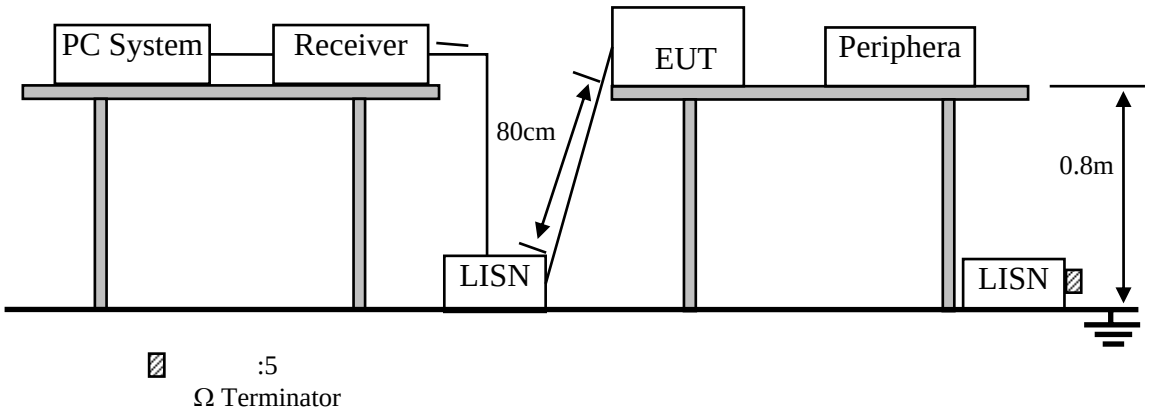
Test Item	Uncertainty
Uncertainty for Conduction emission test in No. 1 Conduction	3.06 dB (150KHz to 30MHz)
Uncertainty for Radiation Emission test in 3m chamber	3.6 dB(30~200MHz, Polarize: H)
	3.8 dB(30~200MHz, Polarize: V)
	4.2 dB(200M~1GHz, Polarize: H)
	3.8 dB(200M~1GHz, Polarize: V)
Uncertainty for Radiation Emission test in 3m chamber (1GHz-18GHz)	3.1dB (Distance: 3m Polarize: V)
	3.7 dB (Distance: 3m Polarize: H)
Uncertainty for Radiated Spurious Emission test in RF chamber	3.57 dB
Uncertainty for Conduction Spurious emission test	2.00 dB
Uncertainty for Output power test	0.73 dB
Uncertainty for Power density test	2.00 dB
Uncertainty for Frequency range test	$7x10^{-8}$
Uncertainty for Bandwidth test	83 kHz
Uncertainty for DC power test	0.038 %
Uncertainty for test site temperature and humidity	0.6℃
	3%

3. POWER LINE CONDUCTED EMISSION TEST

3.1.Test Equipments

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

Model Number : SUN-B12
Serial Number : N/A

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.Let the EUT work in test mode (TX Mode) and measure it.

3.6.Test Procedure

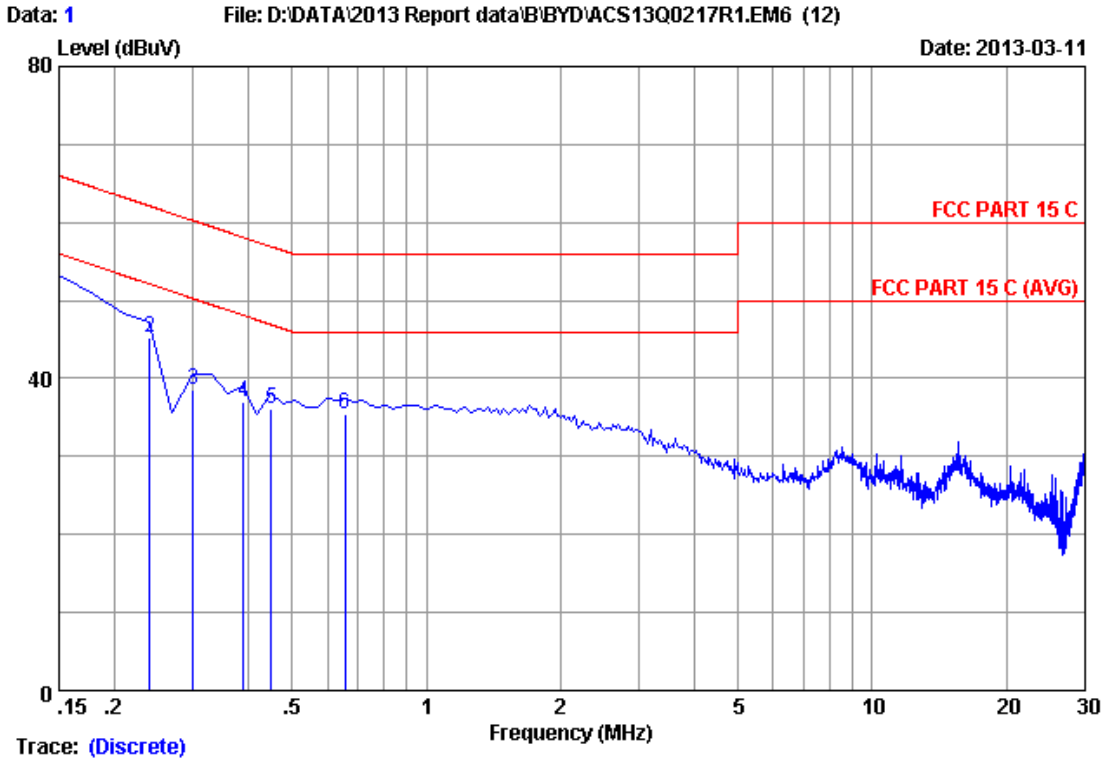
The EUT was placed on a non-metallic table, 80cm above the ground plane. The EUT Power Via PC connected to the power mains through a line impedance stabilization network (L.I.S.N. 1#). The other peripheral devices power cord connected to the power mains through a line impedance stabilization network (L.I.S.N.#3). This provides a 50 ohm coupling impedance for the EUT (Please refer the block diagram of the test setup and photographs). The AC line are checked to find out the maximum conducted emission. In order to find the maximum emission levels, the relative positions of equipment and all of the interface cables shall be changed according to ANSI C63.10: 2009 on Conducted Emission Test.

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

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

3.7.Power Line Conducted Emission Test Results

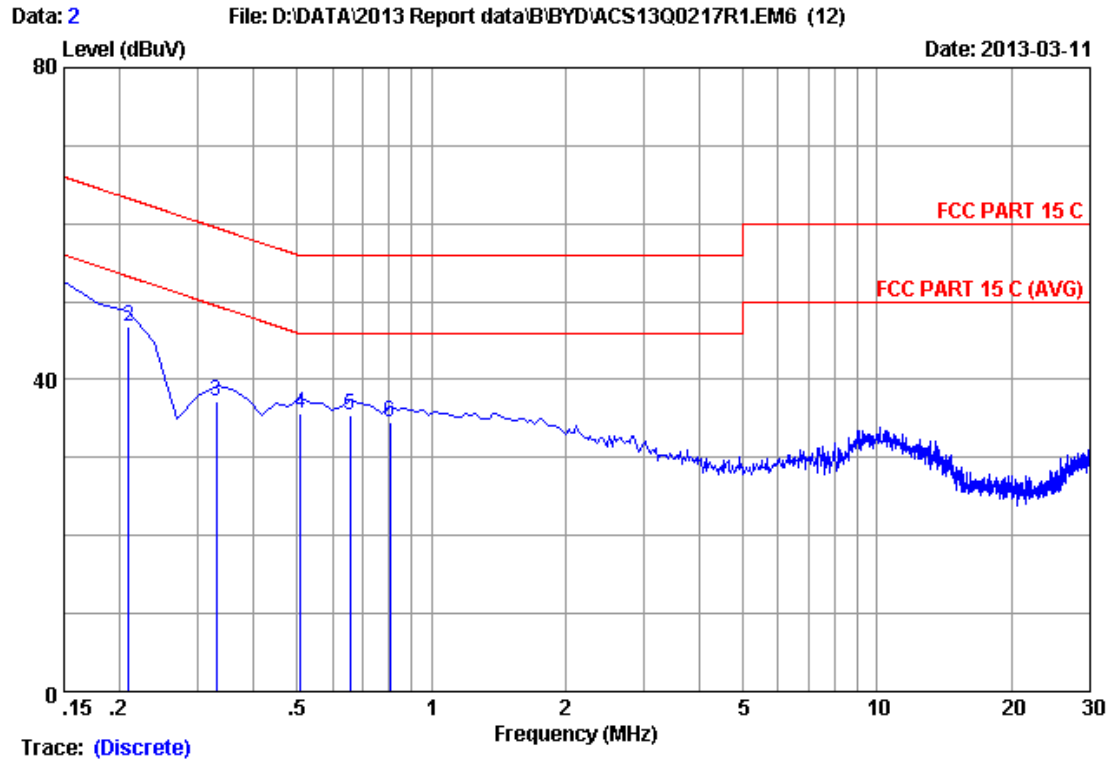
PASS. **(**All emissions not reported below are too low against the prescribed limits.)



Site no :1#conduction Data No :1
Dis./Ant. :** 2012 ESH2-Z5 LINE
Limit :FCC PART 15 C
Env./Ins. :23.9*C/51% Engineer :Leo_Li
EUT :HP Slate 7 M/N:SUN-B12
Power Rating :DC 5V From Adapter Input AC 120V/60Hz
Test Mode :Tx Mode (WIFI)
:

No	Freq (MHz)	LISN Factor (dB)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV)	Limits (dBuV)	Margin (dB)	Remark
1	0.15000	0.19	0.14	50.84	51.17	66.00	14.83	QP
2	0.23955	0.19	0.15	44.87	45.21	62.11	16.90	QP
3	0.29925	0.19	0.15	38.27	38.61	60.26	21.65	QP
4	0.38880	0.19	0.15	36.72	37.06	58.09	21.03	QP
5	0.44850	0.19	0.15	35.77	36.11	56.90	20.79	QP
6	0.65745	0.20	0.15	35.17	35.52	56.00	20.48	QP

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



Site no :1#conduction Data No :2
Dis./Ant. :** 2012 ESH2-Z5 NEUTRAL
Limit :FCC PART 15 C
Env./Ins. :23.9*C/51% Engineer :Leo_Li
EUT :HP Slate 7 M/N:SUN-B12
Power Rating :DC 5V From Adapter Input AC 120V/60Hz
Test Mode :Tx Mode (WIFI)
:

No	Freq (MHz)	LISN Factor (dB)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV)	Limits (dBuV)	Margin (dB)	Remark
1	0.15000	0.21	0.14	50.15	50.50	66.00	15.50	QP
2	0.20970	0.21	0.15	46.36	46.72	63.22	16.50	QP
3	0.32910	0.22	0.15	36.94	37.31	59.47	22.16	QP
4	0.50820	0.23	0.15	35.36	35.74	56.00	20.26	QP
5	0.65745	0.24	0.15	34.99	35.38	56.00	20.62	QP
6	0.80670	0.24	0.15	34.26	34.65	56.00	21.35	QP

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

4. RADIATED EMISSION MEASUREMENT

4.1.Test Equipment

Frequency rang: 30~1000MHz

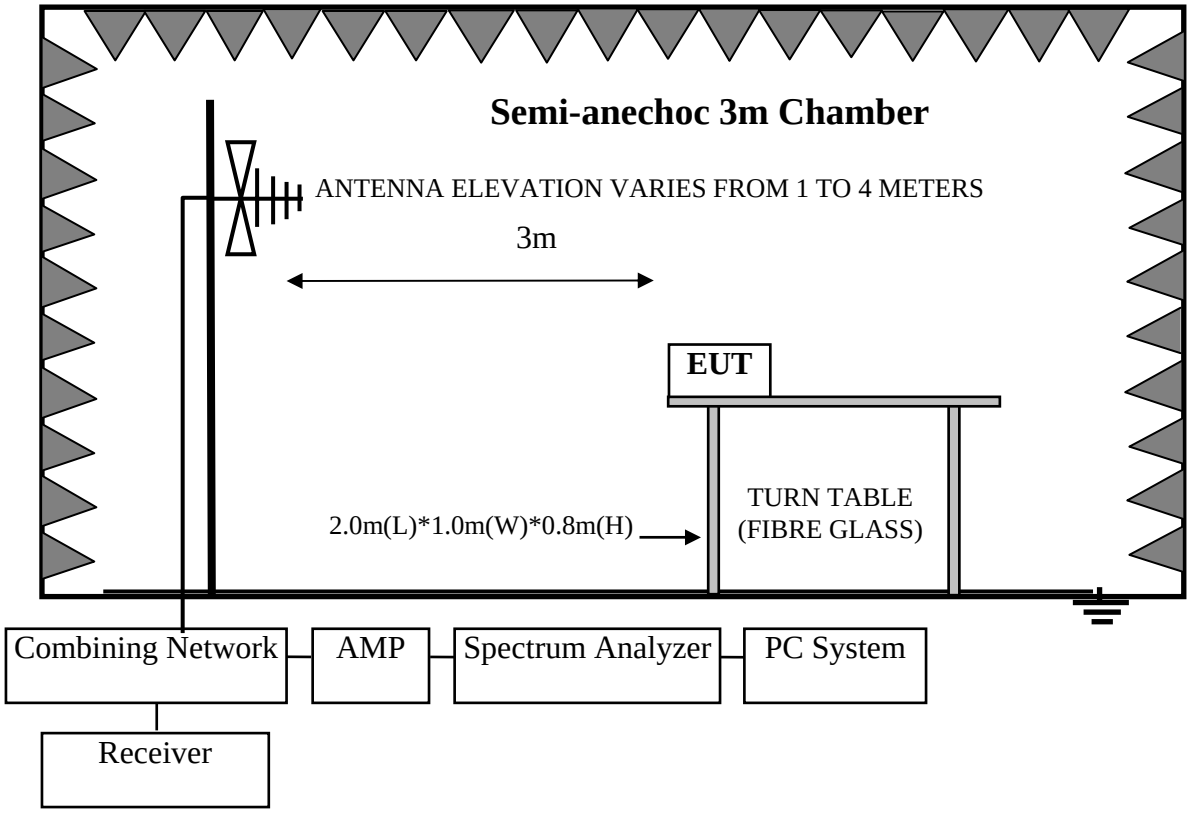
Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
1	3#Chamber	AUDIX	N/A	N/A	Nov.24,12	1 Year
2	EMI Spectrum	Agilent	E4407B	MY41440292	May.08, 12	1 Year
3	Test Receiver	Rohde & Schwarz	ESVS10	834468/011	May.08, 12	1 Year
4	Amplifier	HP	8447D	2648A04738	May.08, 12	1 Year
5	Trilog-Broadband Antenna	SCHWARZBECK	VULB 9168	9168-429	Nov.27, 12	1.0 Year
6	RF Cable	MIYAZAKI	CFD400-NL	3# Chamber No.1	May.08, 12	1 Year
7	Coaxial Switch	Anritsu	MP59B	M74389	May.08, 12	1 Year

Frequency rang: above 1GHz~25GHz

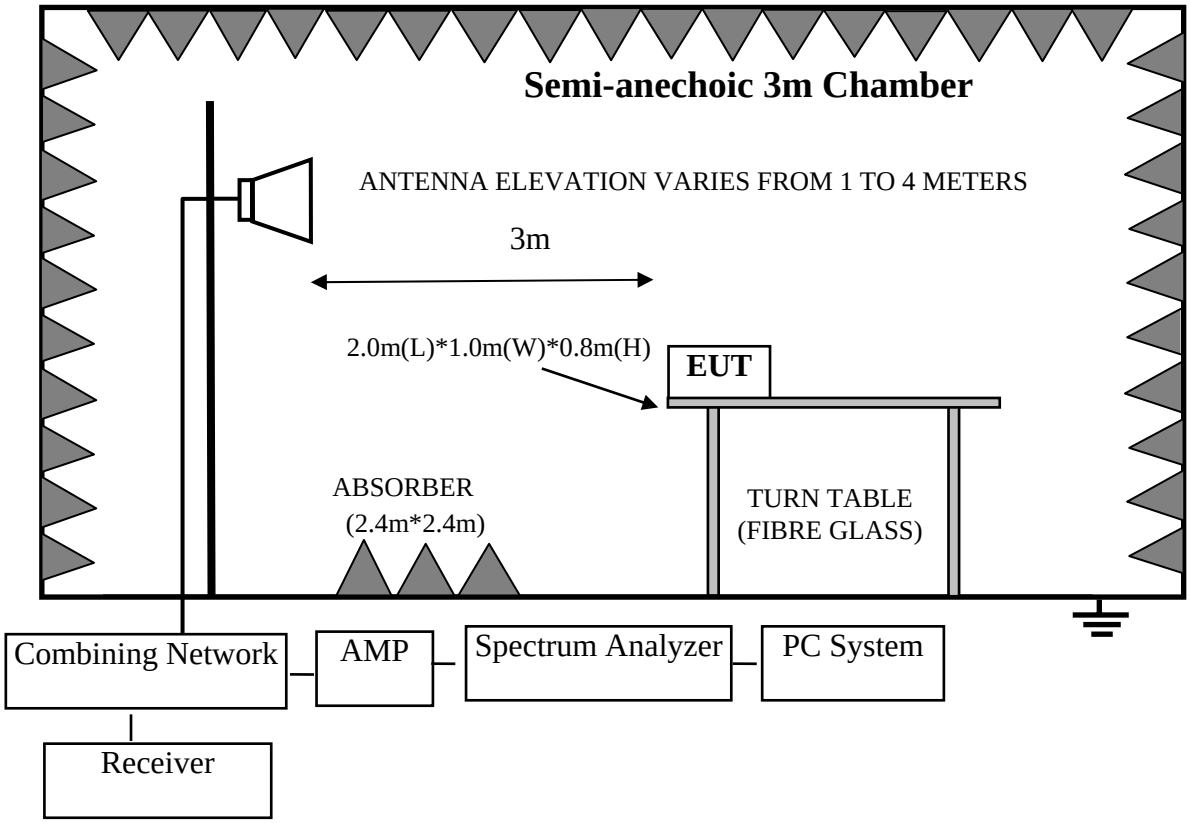
Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
1	Spectrum Analyzer	Agilent	E4407B	MY41440292	May.08, 12	1 Year
2	Horn Antenna	EMCO	3115	9510-4580	June.05, 12	1 Year
3	Amplifier	Agilent	8449B	3008A00863	May.08, 12	1 Year
4	RF Cable	Hubersuhner	SUCOFLEX106	77980/6	May.08, 12	1 Year
5	RF Cable	Hubersuhner	SUCOFLEX106	77977/6	May.08, 12	1 Year
6	Horn Antenna	EMCO	3116	00060089	Nov.25,11	1.5 Year

4.2.Block Diagram of Test Setup

For frequency range 30MHz-1000MHz



For frequency range above 1GHz~25GHz



4.3.Radiated Emission Limit

4.3.1.15.209 limits

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

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

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

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

4.3.2.15.205 Restricted bands of operation

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

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

4.4.EUT Configuration on Test

The configurations of EUT are listed in Section 3.5.

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 EUT was tested at X.Y.Z position and found the worst case position reported in the report.

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

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

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

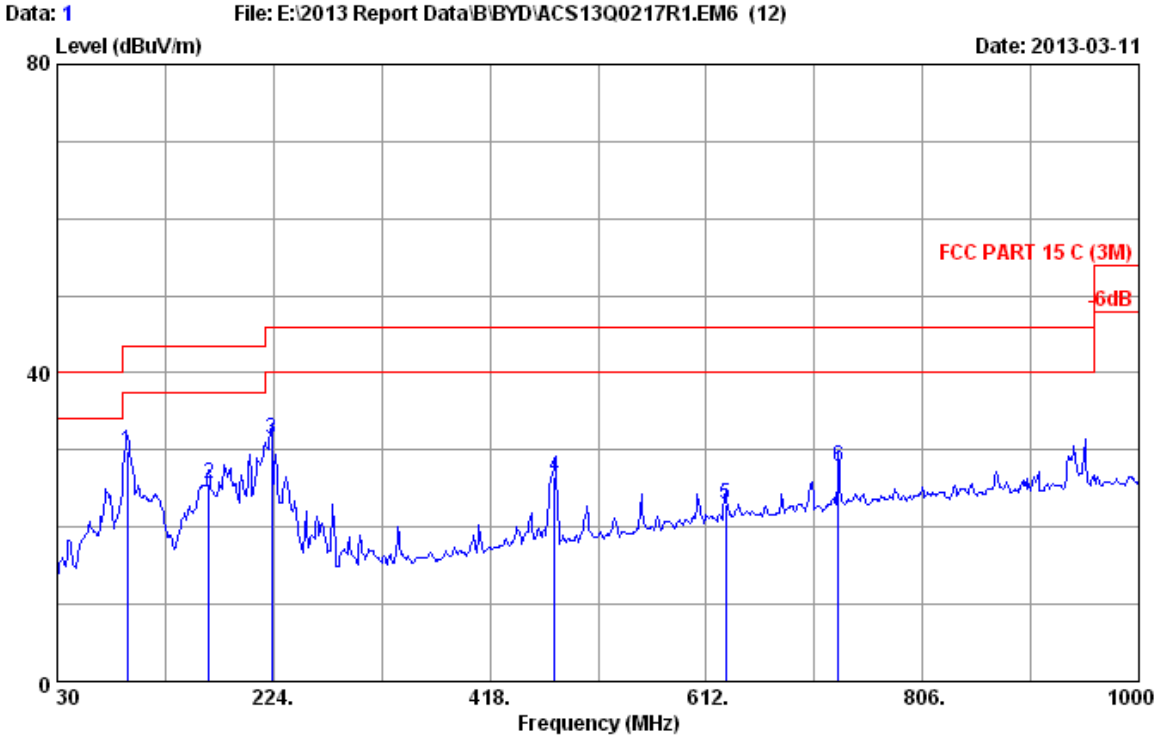
4.7. Radiated Emission Test Results

PASS.

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

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

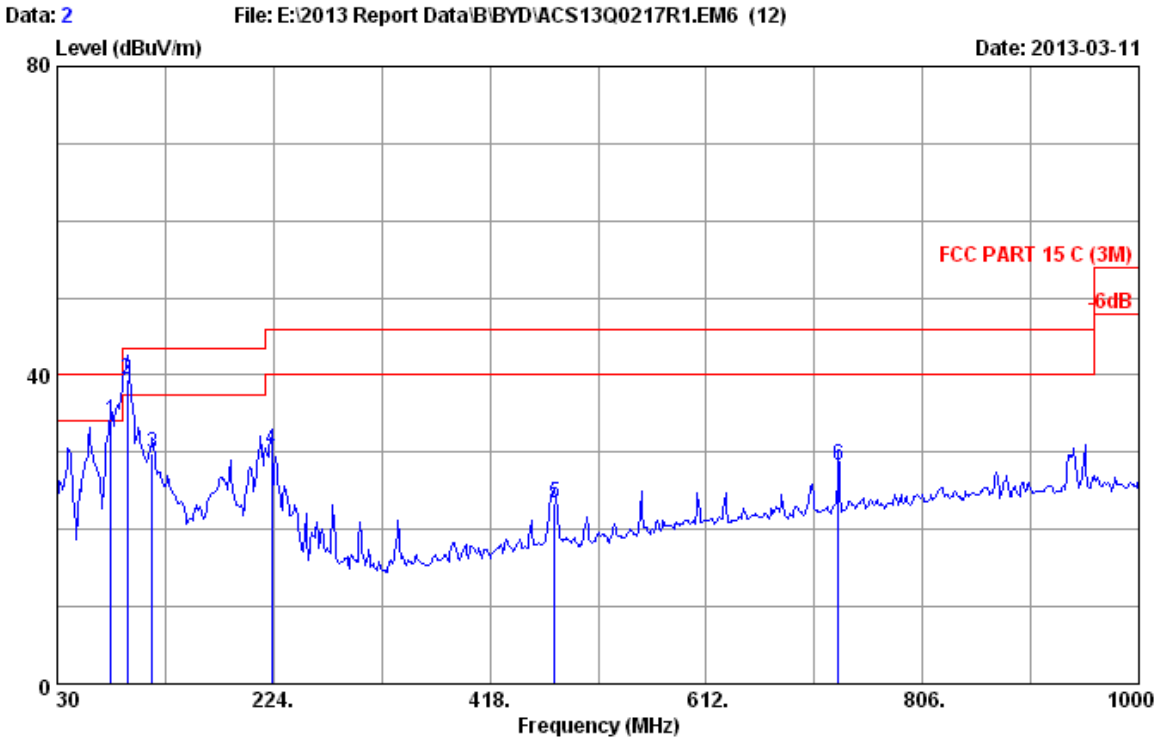
Frequency: 30MHz~1GHz



Site no. : 3m Chamber Data no. : 1
Dis. / Ant. : 3m 9168-429 Ant. pol. : HORIZONTAL
Limit : FCC PART 15 C (3M)
Env. / Ins. : 24*C/56% Engineer : Tony_Yan
EUT : HP Slate 7 M/N:SUN-B12
Power rating : DC 5V From Adapter Input AC 120V/60Hz
Test Mode : Tx Mode (WiFi)

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	93.050	9.66	0.82	19.48	29.96	43.50	13.54	QP
2	165.800	13.58	0.99	10.95	25.52	43.50	17.98	QP
3	222.060	10.76	1.11	19.52	31.39	46.00	14.61	QP
4	476.200	16.21	1.77	8.49	26.47	46.00	19.53	QP
5	629.460	18.85	2.21	1.99	23.05	46.00	22.95	QP
6	730.340	20.03	2.50	5.28	27.81	46.00	18.19	QP

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

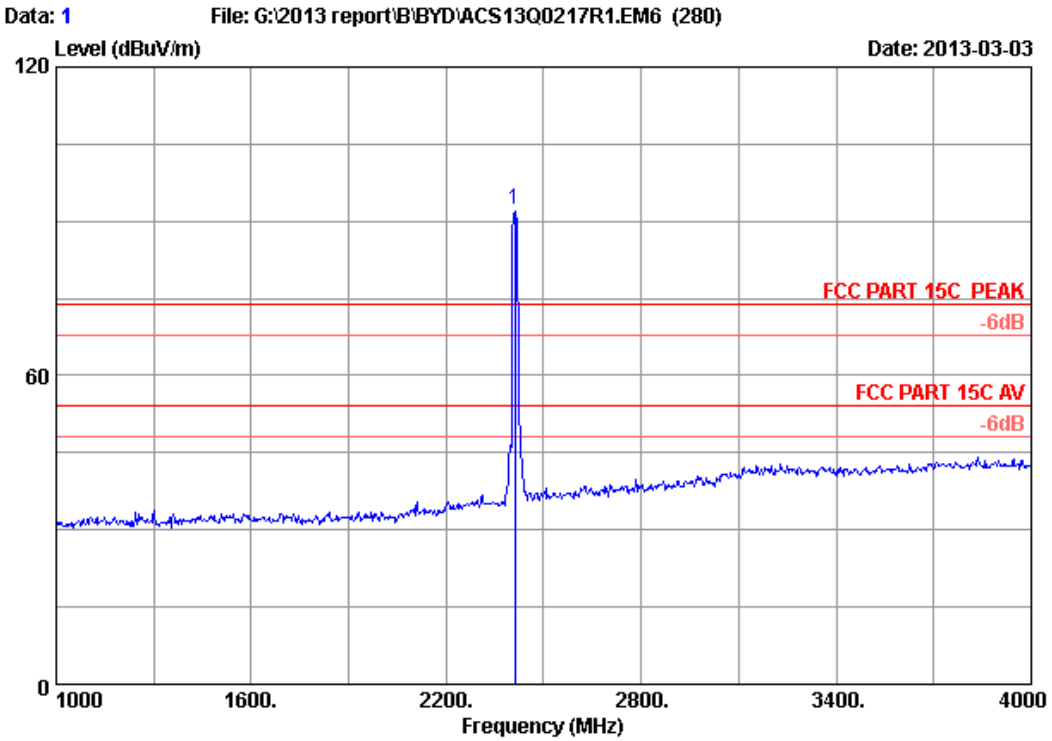


Site no. : 3m Chamber Data no. : 2
Dis. / Ant. : 3m 9168-429 Ant. pol. : VERTICAL
Limit : FCC PART 15 C (3M)
Env. / Ins. : 24*C/56% Engineer : Tony_Yan
EUT : HP Slate 7 M/N:SUN-B12
Power rating : DC 5V From Adapter Input AC 120V/60Hz
Test Mode : Tx Mode (WiFi)

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	78.500	9.52	0.76	23.74	34.02	40.00	5.98	QP
2	93.050	9.66	0.82	29.05	39.53	43.50	3.97	QP
3	115.360	11.72	0.88	17.33	29.93	43.50	13.57	QP
4	222.060	10.76	1.11	18.43	30.30	46.00	15.70	QP
5	476.200	16.21	1.77	5.51	23.49	46.00	22.51	QP
6	730.340	20.03	2.50	5.66	28.19	46.00	17.81	QP

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

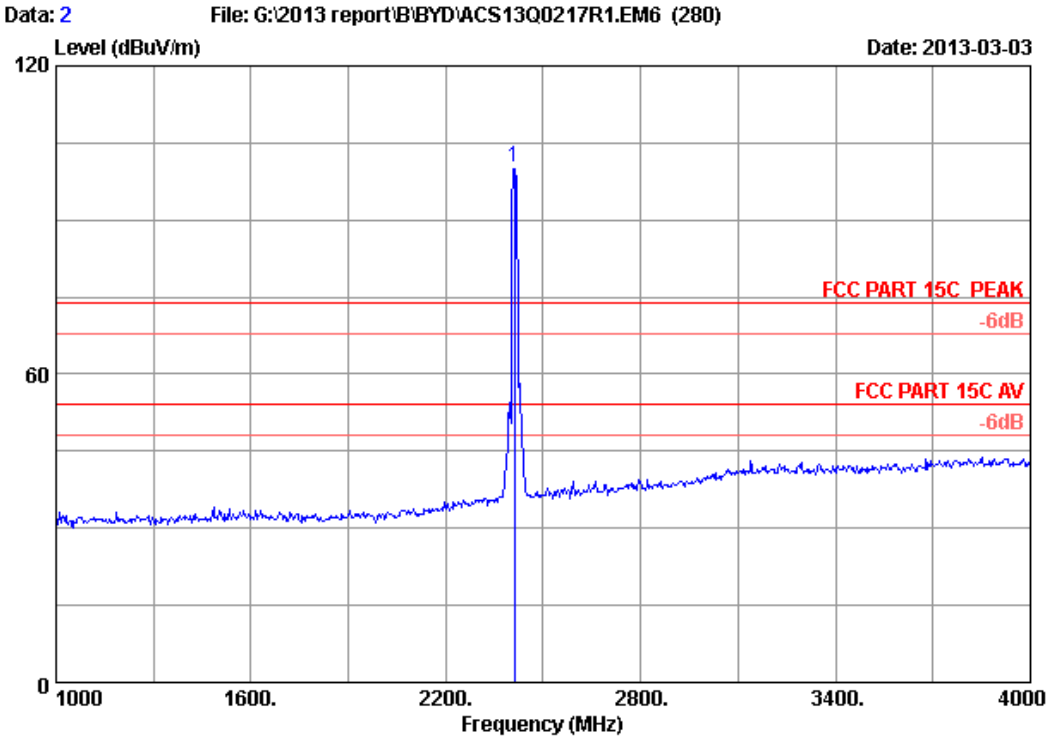
Frequency: 1GHz~18GHz



Site no. : 3m Chamber Data no. : 1
Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : VERTICAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23*C/54% Engineer : Leo-Li
EUT : HP Slate 7
Power supply : DC 5V From Adapter Input AC 120V/60Hz
Test mode : IEEE802.11b CH1 2412MHz Tx Mode
M/N : SUN-B12
:

	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2412.000	26.84	6.04	35.92	95.35	92.31	74.00	-18.31	Peak

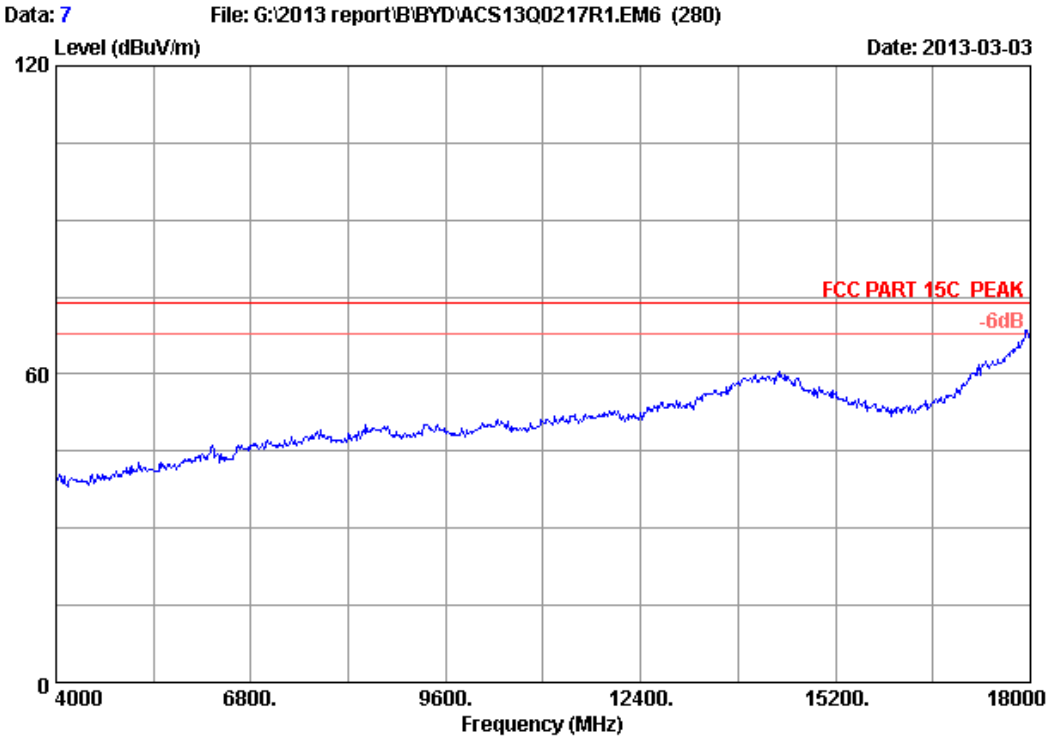
Remarks:
1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.



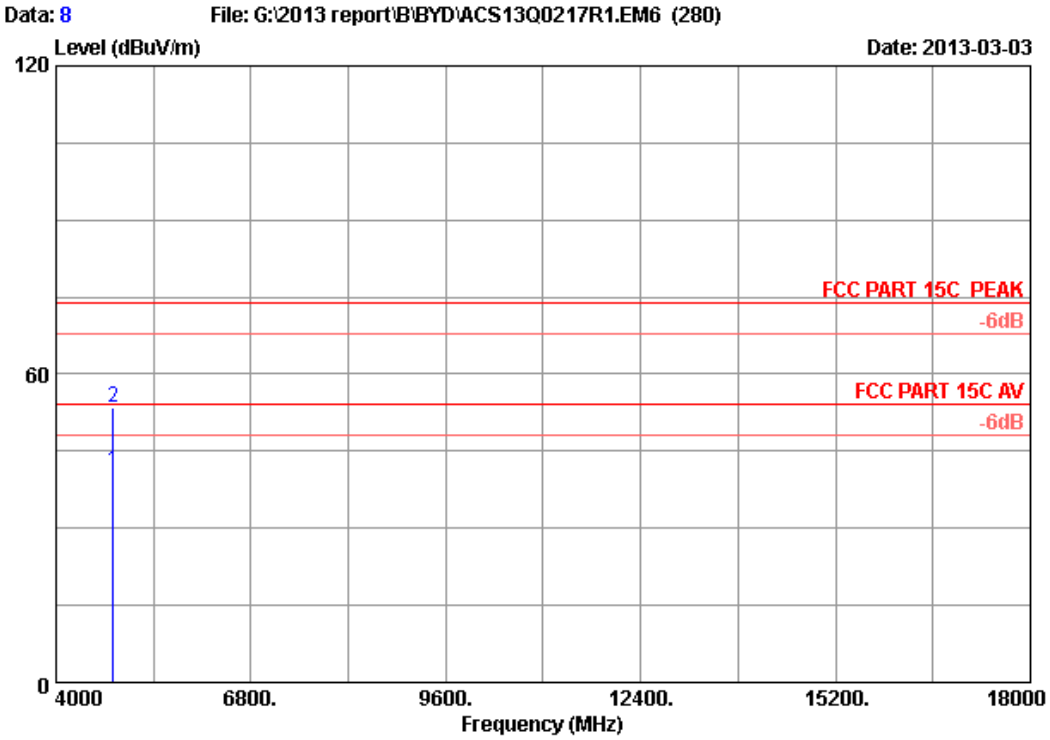
Site no. : 3m Chamber Data no. : 2
Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : HORIZONTAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23*C/54% Engineer : Leo-Li
EUT : HP Slate 7
Power supply : DC 5V From Adapter Input AC 120V/60Hz
Test mode : IEEE802.11b CH1 2412MHz Tx Mode
M/N : SUN-B12
:

	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2412.000	26.84	6.04	35.92	103.18	100.14	74.00	-26.14	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.



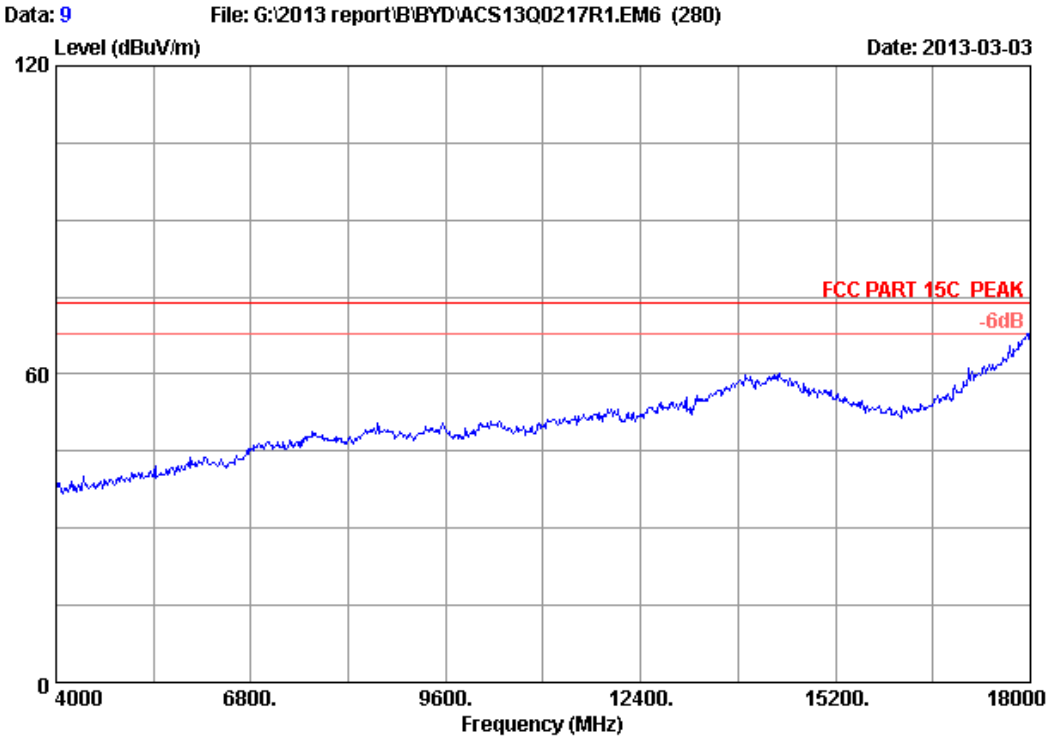

```
Site no.      : 3m Chamber                Data no.   : 7
Dis. / Ant.   : 3m   2012 3115 (4580)     Ant. pol.  : VERTICAL
Limit         : FCC PART 15C  PEAK
Env. / Ins.   : 23*C/54%                  Engineer   : Leo-Li
EUT           : HP Slate 7
Power supply  : DC 5V From Adapter Input AC 120V/60Hz
Test mode     : IEEE802.11b  CH1  2412MHz Tx Mode
M/N           : SUN-B12
              :
```



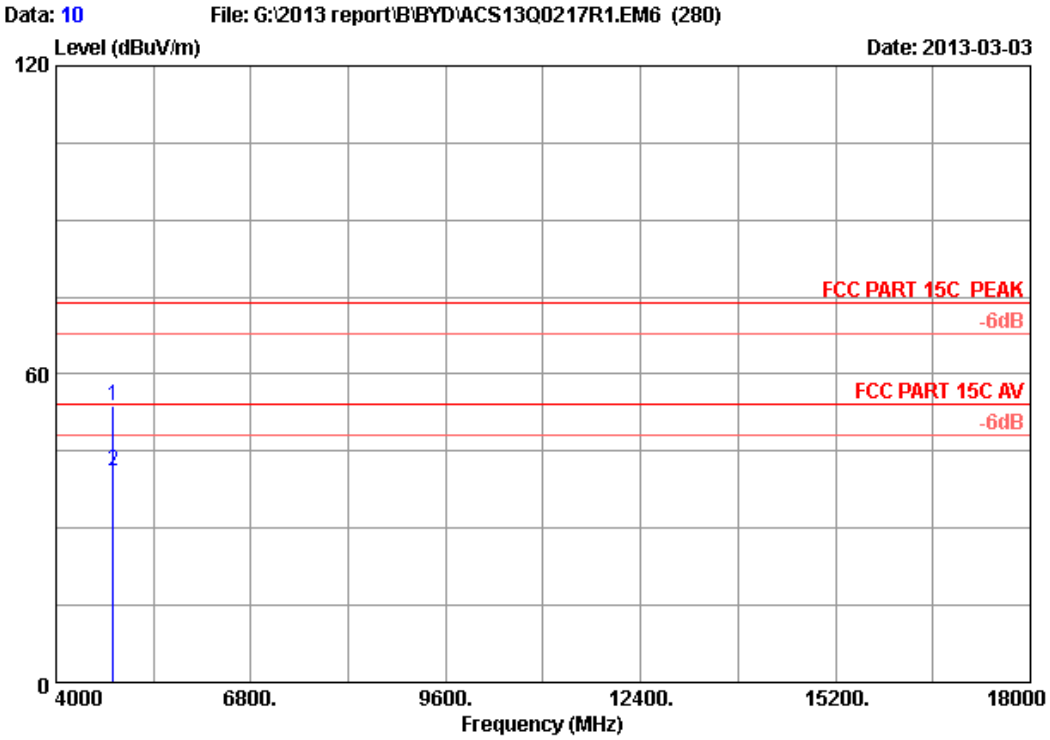
Site no. : 3m Chamber Data no. : 8
Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : VERTICAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23*C/54% Engineer : Leo-Li
EUT : HP Slate 7
Power supply : DC 5V From Adapter Input AC 120V/60Hz
Test mode : IEEE802.11b CH1 2412MHz Tx Mode
M/N : SUN-B12
:

	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	4824.000	32.51	8.69	35.71	35.55	41.04	54.00	12.96	Average
2	4824.000	32.51	8.69	35.71	48.02	53.51	74.00	20.49	Peak

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



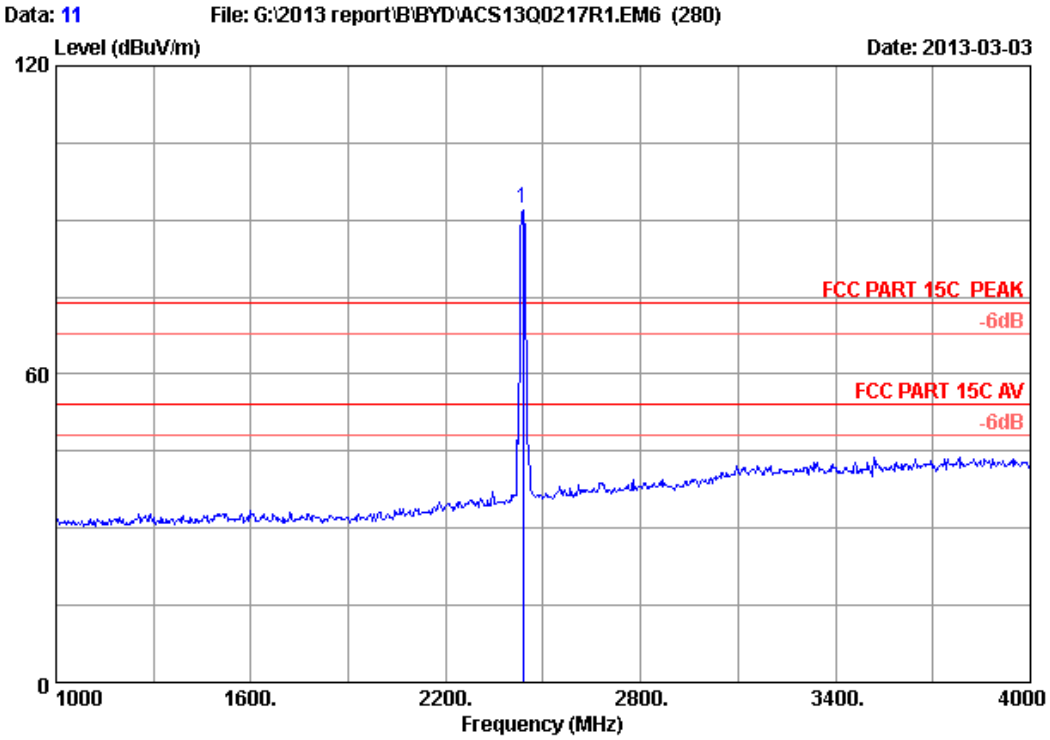

```
Site no.      : 3m Chamber                Data no.   : 9
Dis. / Ant.   : 3m   2012 3115 (4580)     Ant. pol.  : HORIZONTAL
Limit         : FCC PART 15C  PEAK
Env. / Ins.   : 23*C/54%                  Engineer   : Leo-Li
EUT           : HP Slate 7
Power supply  : DC 5V From Adapter Input AC 120V/60Hz
Test mode     : IEEE802.11b  CH1  2412MHz Tx Mode
M/N           : SUN-B12
              :
```



Site no. : 3m Chamber Data no. : 10
Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : HORIZONTAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23*C/54% Engineer : Leo-Li
EUT : HP Slate 7
Power supply : DC 5V From Adapter Input AC 120V/60Hz
Test mode : IEEE802.11b CH1 2412MHz Tx Mode
M/N : SUN-B12
:

	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	4824.000	32.51	8.69	35.71	48.37	53.86	74.00	20.14	Peak
2	4824.000	32.51	8.69	35.71	35.55	41.04	54.00	12.96	Average

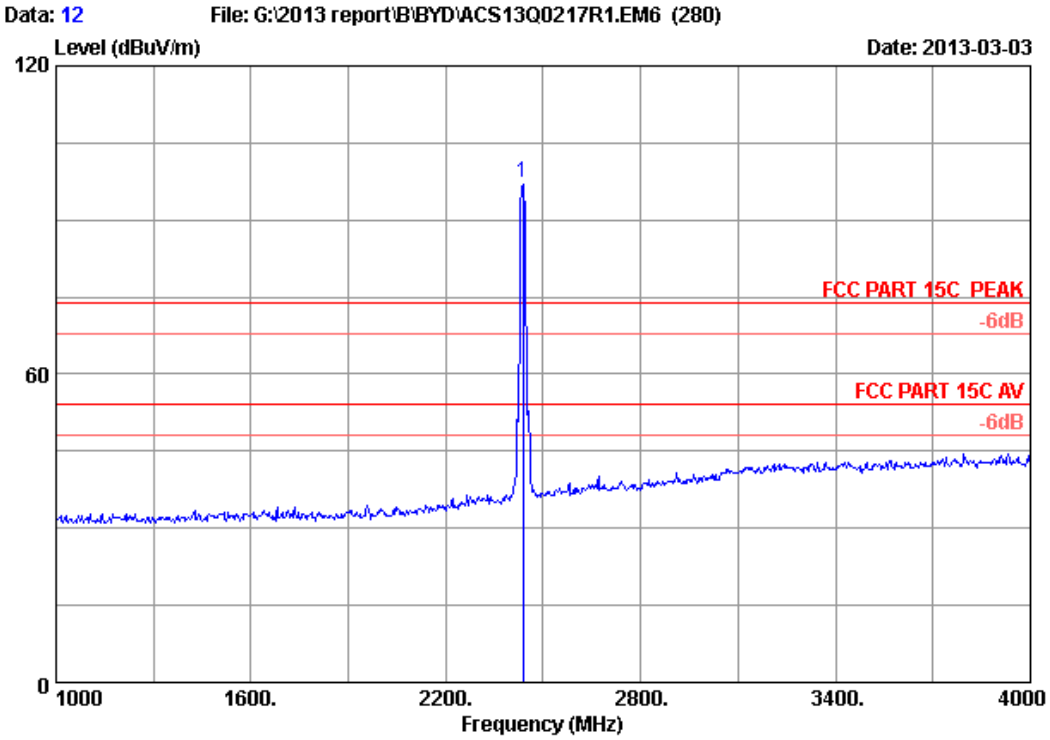
Remarks:
1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 11
Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : VERTICAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23*C/54% Engineer : Leo-Li
EUT : HP Slate 7
Power supply : DC 5V From Adapter Input AC 120V/60Hz
Test mode : IEEE802.11b CH6 2437MHz Tx Mode
M/N : SUN-B12
:

	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2437.000	27.00	6.08	35.92	95.17	92.33	74.00	-18.33	Peak

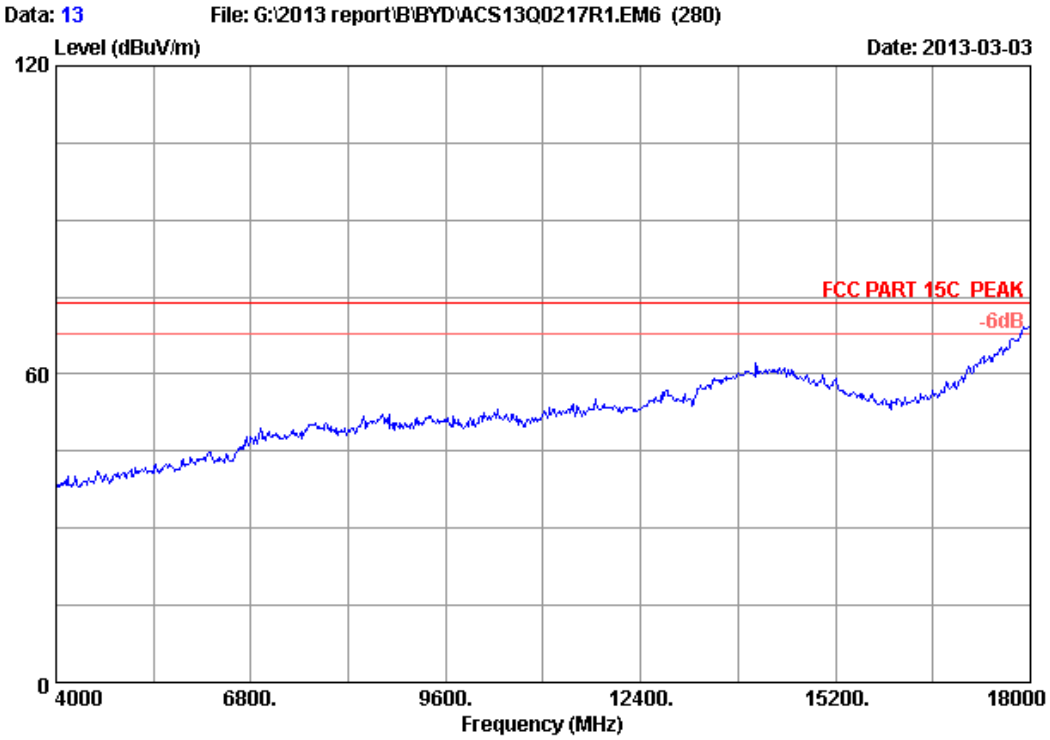
Remarks:
1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.



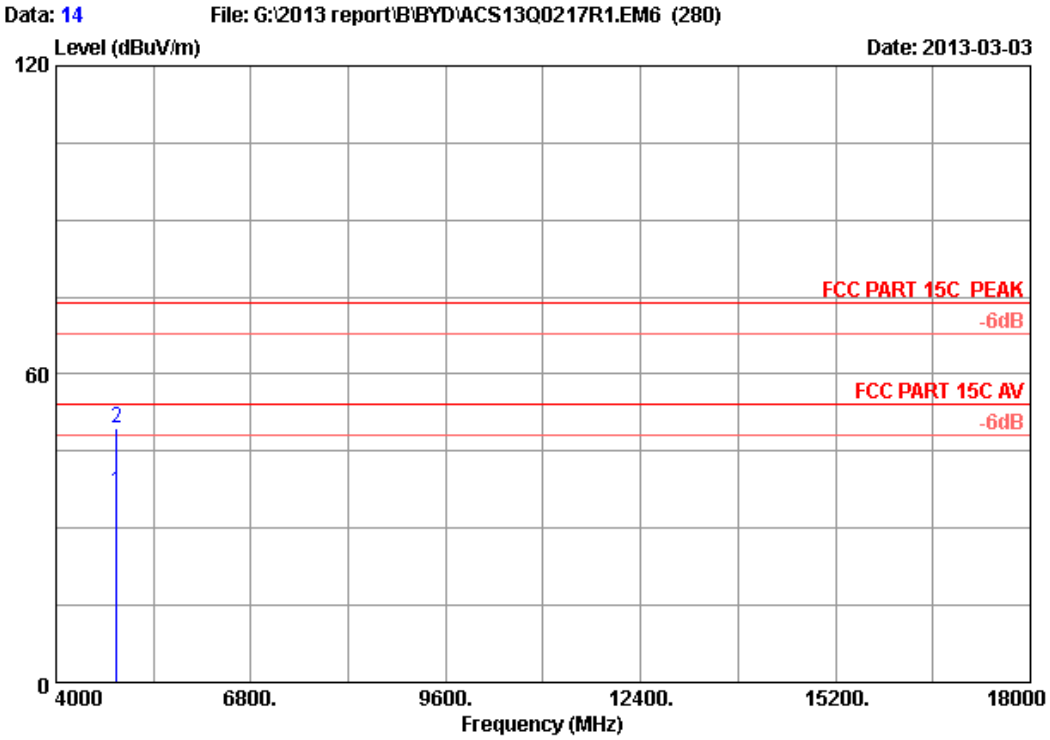
Site no. : 3m Chamber Data no. : 12
Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : HORIZONTAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23*C/54% Engineer : Leo-Li
EUT : HP Slate 7
Power supply : DC 5V From Adapter Input AC 120V/60Hz
Test mode : IEEE802.11b CH6 2437MHz Tx Mode
M/N : SUN-B12
:

	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2437.000	27.00	6.08	35.92	100.00	97.16	74.00	-23.16	Peak

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



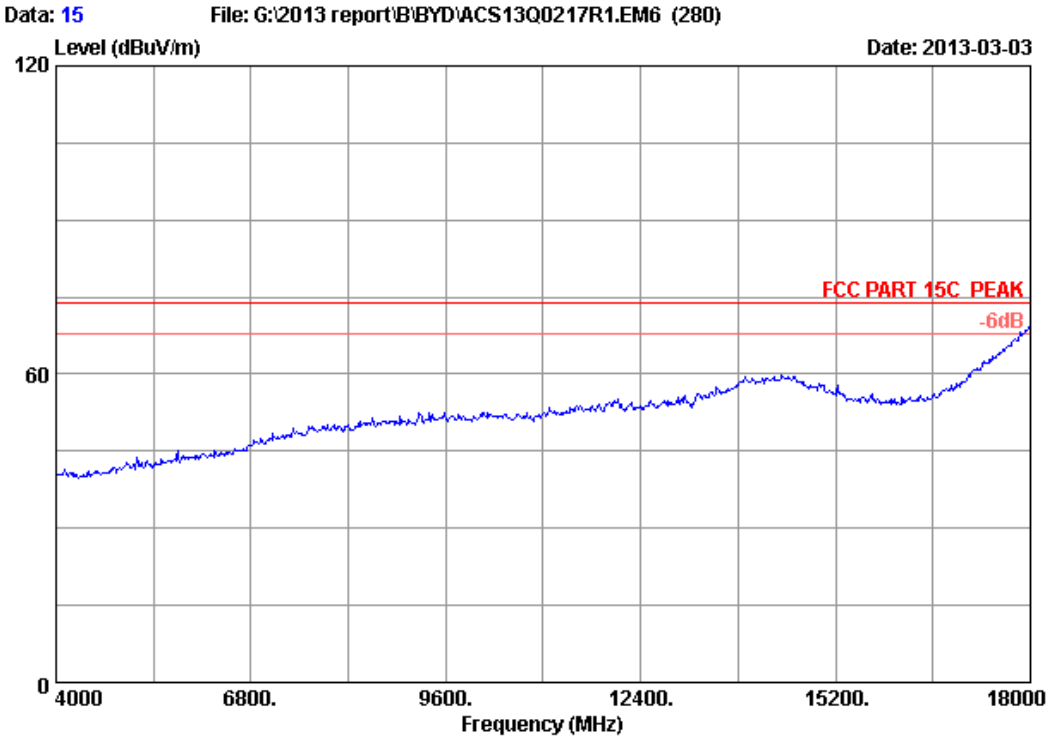

```
Site no.      : 3m Chamber                Data no.   : 13
Dis. / Ant.   : 3m   2012 3115 (4580)     Ant. pol.  : HORIZONTAL
Limit         : FCC PART 15C  PEAK
Env. / Ins.   : 23*C/54%                  Engineer   : Leo-Li
EUT           : HP Slate 7
Power supply  : DC 5V From Adapter Input AC 120V/60Hz
Test mode     : IEEE802.11b  CH6  2437MHz Tx Mode
M/N           : SUN-B12
              :
```



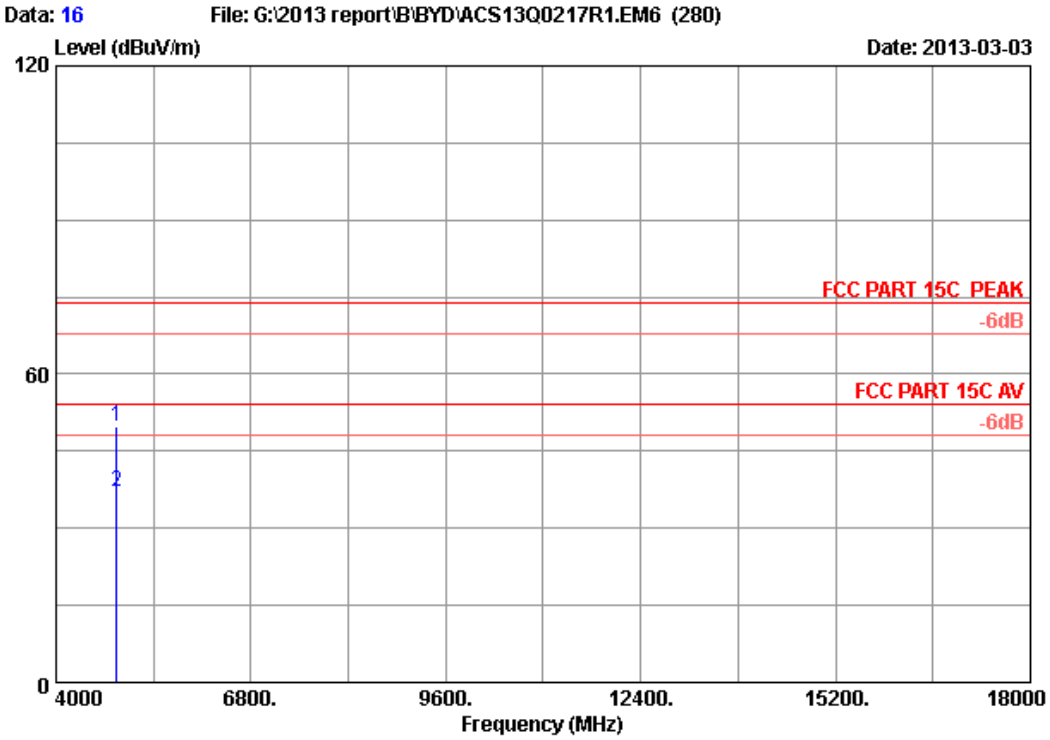
Site no. : 3m Chamber Data no. : 14
Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : HORIZONTAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23*C/54% Engineer : Leo-Li
EUT : HP Slate 7
Power supply : DC 5V From Adapter Input AC 120V/60Hz
Test mode : IEEE802.11b CH6 2437MHz Tx Mode
M/N : SUN-B12
:

	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	4874.000	32.62	8.73	35.69	31.37	37.03	54.00	16.97	Average
2	4874.000	32.62	8.73	35.69	43.88	49.54	74.00	24.46	Peak

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



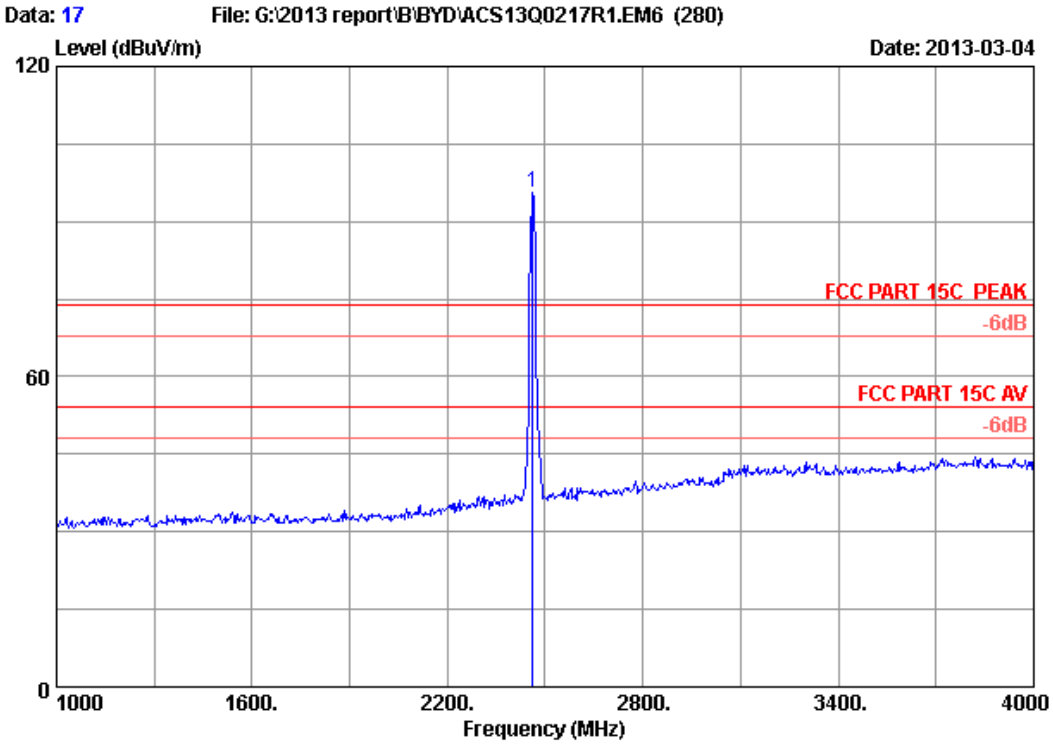

```
Site no.      : 3m Chamber                Data no.   : 15
Dis. / Ant.   : 3m   2012 3115 (4580)     Ant. pol.  : VERTICAL
Limit         : FCC PART 15C  PEAK
Env. / Ins.   : 23*C/54%                  Engineer   : Leo-Li
EUT           : HP Slate 7
Power supply  : DC 5V From Adapter Input AC 120V/60Hz
Test mode     : IEEE802.11b  CH6  2437MHz Tx Mode
M/N           : SUN-B12
              :
```



Site no. : 3m Chamber Data no. : 16
Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : VERTICAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23*C/54% Engineer : Leo-Li
EUT : HP Slate 7
Power supply : DC 5V From Adapter Input AC 120V/60Hz
Test mode : IEEE802.11b CH6 2437MHz Tx Mode
M/N : SUN-B12
:

	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	4874.000	32.62	8.73	35.69	44.20	49.86	74.00	24.14	Peak
2	4874.000	32.62	8.73	35.69	31.40	37.06	54.00	16.94	Average

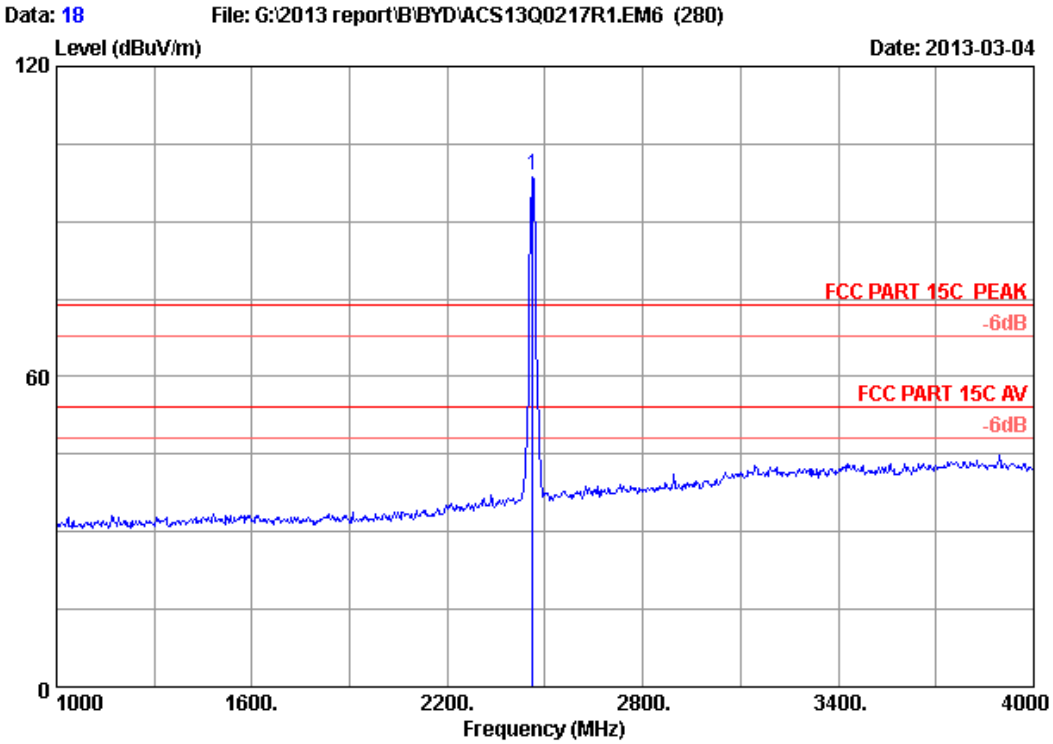
Remarks:
1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 17
Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : VERTICAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23*C/54% Engineer : Leo-Li
EUT : HP Slate 7
Power supply : DC 5V From Adapter Input AC 120V/60Hz
Test mode : IEEE802.11b CH11 2462MHz Tx Mode
M/N : SUN-B12
:

	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2462.000	27.16	6.12	35.92	98.14	95.50	74.00	-21.50	Peak

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

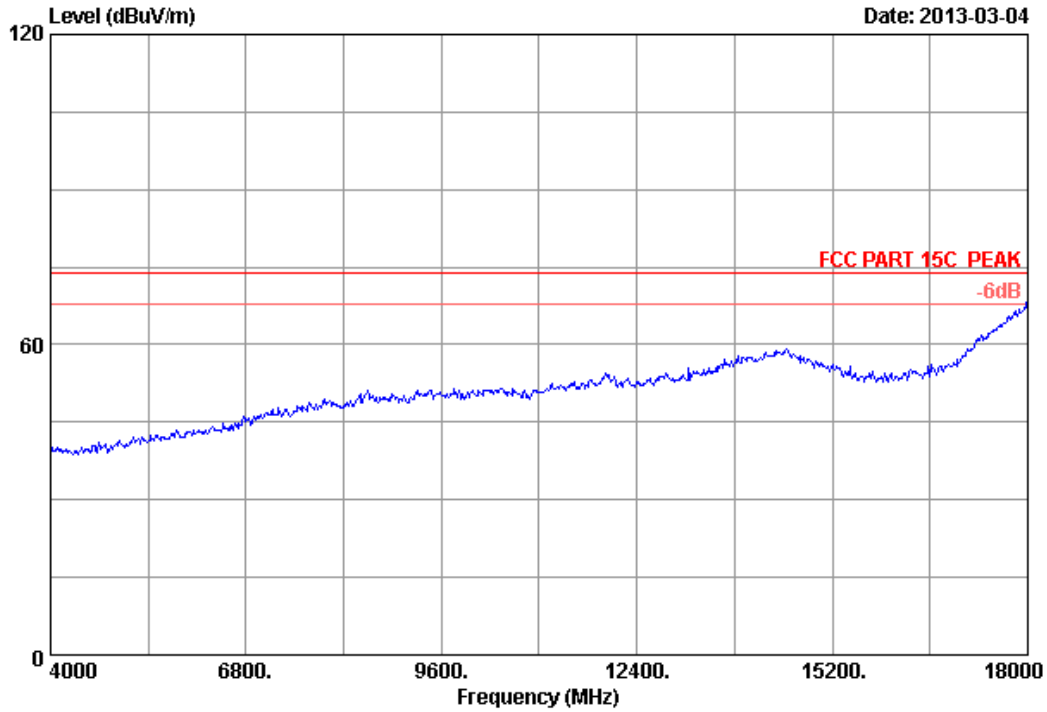


Site no. : 3m Chamber Data no. : 18
Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : HORIZONTAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23*C/54% Engineer : Leo-Li
EUT : HP Slate 7
Power supply : DC 5V From Adapter Input AC 120V/60Hz
Test mode : IEEE802.11b CH11 2462MHz Tx Mode
M/N : SUN-B12
:

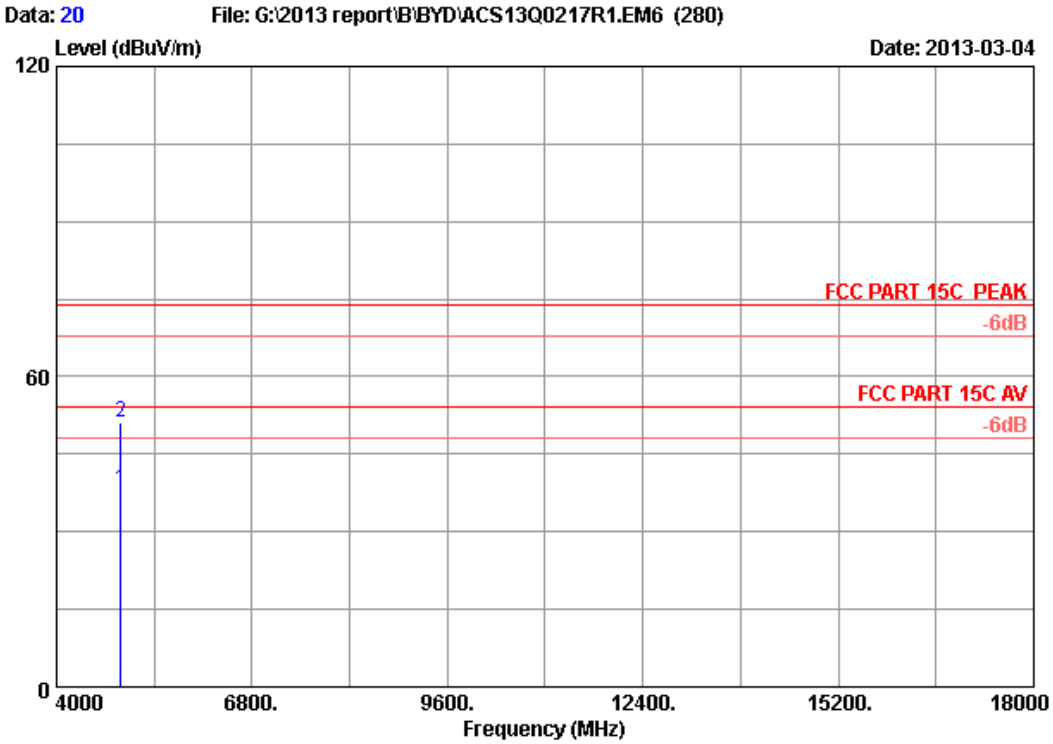
	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2462.000	27.16	6.12	35.92	101.53	98.89	74.00	-24.89	Peak

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

Data: 19 File: G:\2013 report\B\BYD\ACS13Q0217R1.EM6 (280)



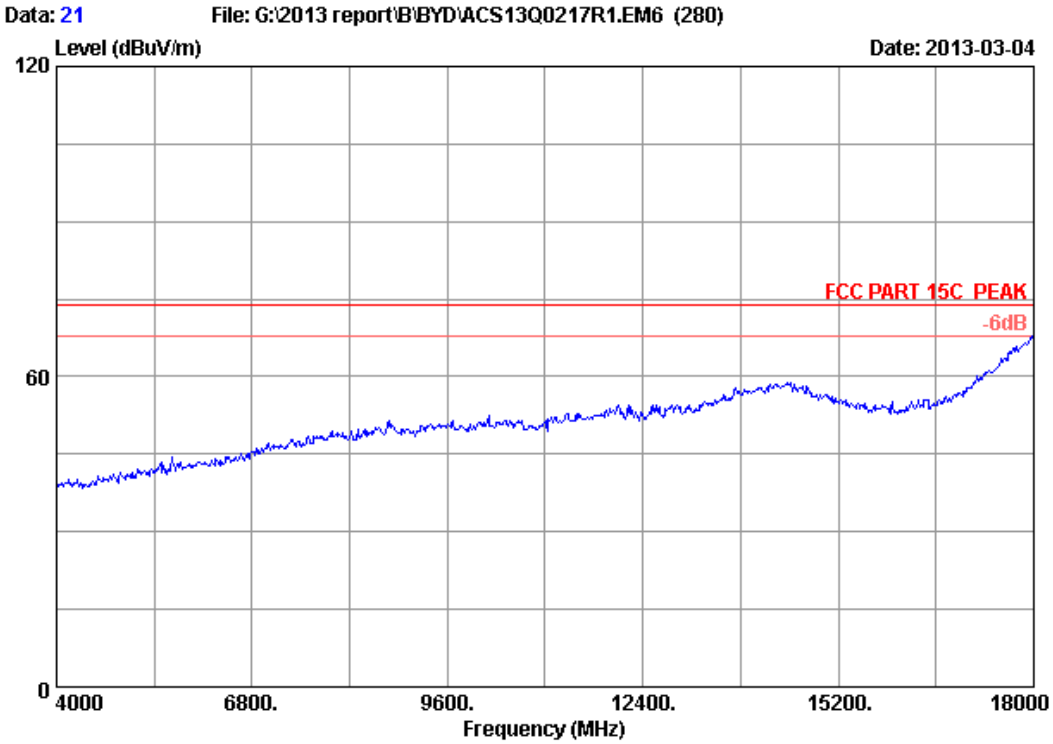

```
Site no.      : 3m Chamber                Data no.   : 19
Dis. / Ant.   : 3m   2012 3115 (4580)     Ant. pol.  : HORIZONTAL
Limit         : FCC PART 15C  PEAK
Env. / Ins.   : 23*C/54%                  Engineer   : Leo-Li
EUT           : HP Slate 7
Power supply  : DC 5V From Adapter Input AC 120V/60Hz
Test mode     : IEEE802.11b  CH11  2462MHz Tx Mode
M/N           : SUN-B12
              :
```



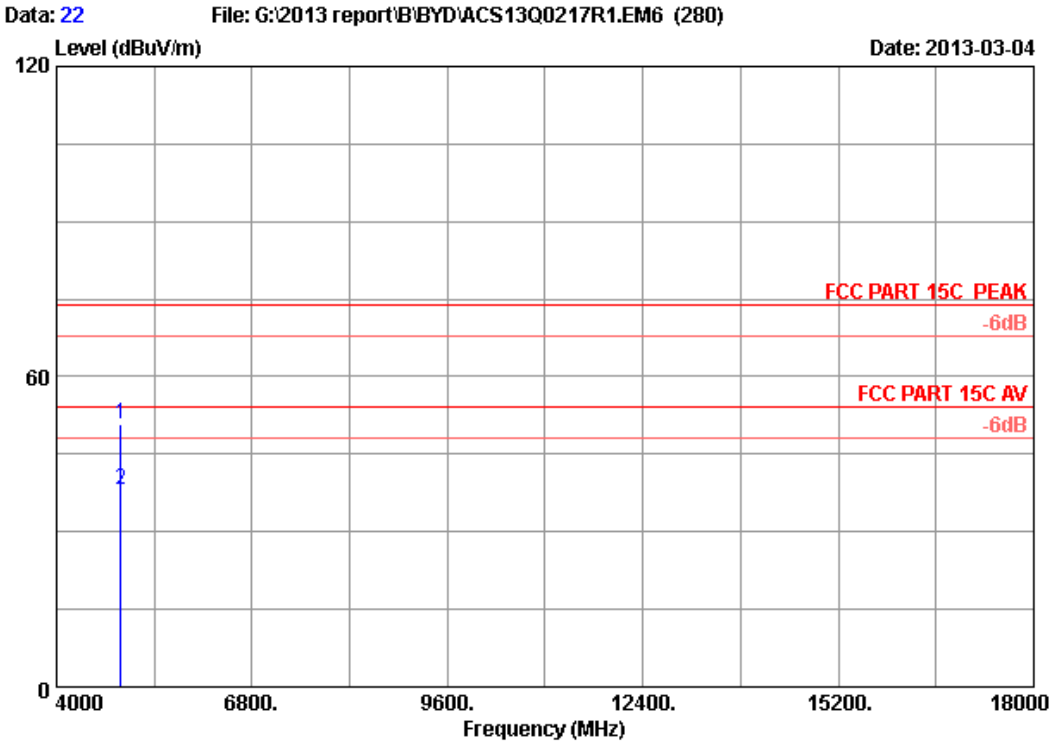
Site no. : 3m Chamber Data no. : 20
Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : HORIZONTAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23*C/54% Engineer : Leo-Li
EUT : HP Slate 7
Power supply : DC 5V From Adapter Input AC 120V/60Hz
Test mode : IEEE802.11b CH11 2462MHz Tx Mode
M/N : SUN-B12
:

	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	4924.000	32.73	8.78	35.68	32.30	38.13	54.00	15.87	Average
2	4924.000	32.73	8.78	35.68	45.31	51.14	74.00	22.86	Peak

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



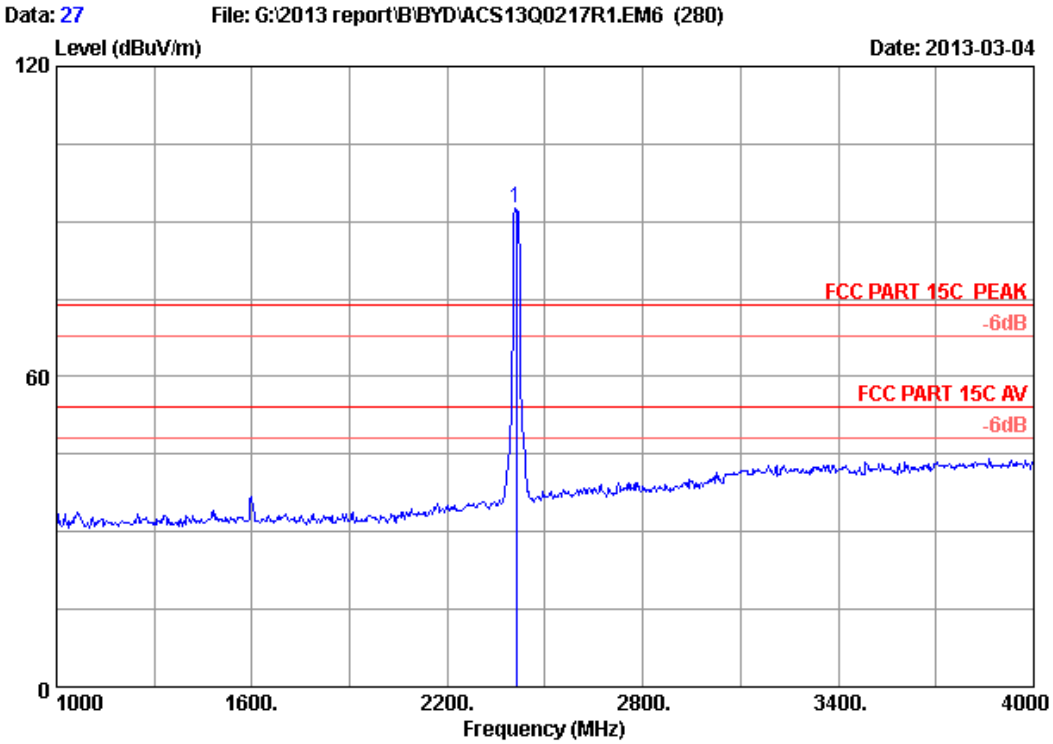

```
Site no.      : 3m Chamber                Data no.   : 21
Dis. / Ant.   : 3m   2012 3115 (4580)     Ant. pol.  : VERTICAL
Limit         : FCC PART 15C  PEAK
Env. / Ins.   : 23*C/54%                  Engineer   : Leo-Li
EUT           : HP Slate 7
Power supply  : DC 5V From Adapter Input AC 120V/60Hz
Test mode     : IEEE802.11b  CH11  2462MHz Tx Mode
M/N           : SUN-B12
              :
```



Site no. : 3m Chamber Data no. : 22
Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : VERTICAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23*C/54% Engineer : Leo-Li
EUT : HP Slate 7
Power supply : DC 5V From Adapter Input AC 120V/60Hz
Test mode : IEEE802.11b CH11 2462MHz Tx Mode
M/N : SUN-B12
:

	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	4924.000	32.73	8.78	35.68	44.81	50.64	74.00	23.36	Peak
2	4924.000	32.73	8.78	35.68	32.37	38.20	54.00	15.80	Average

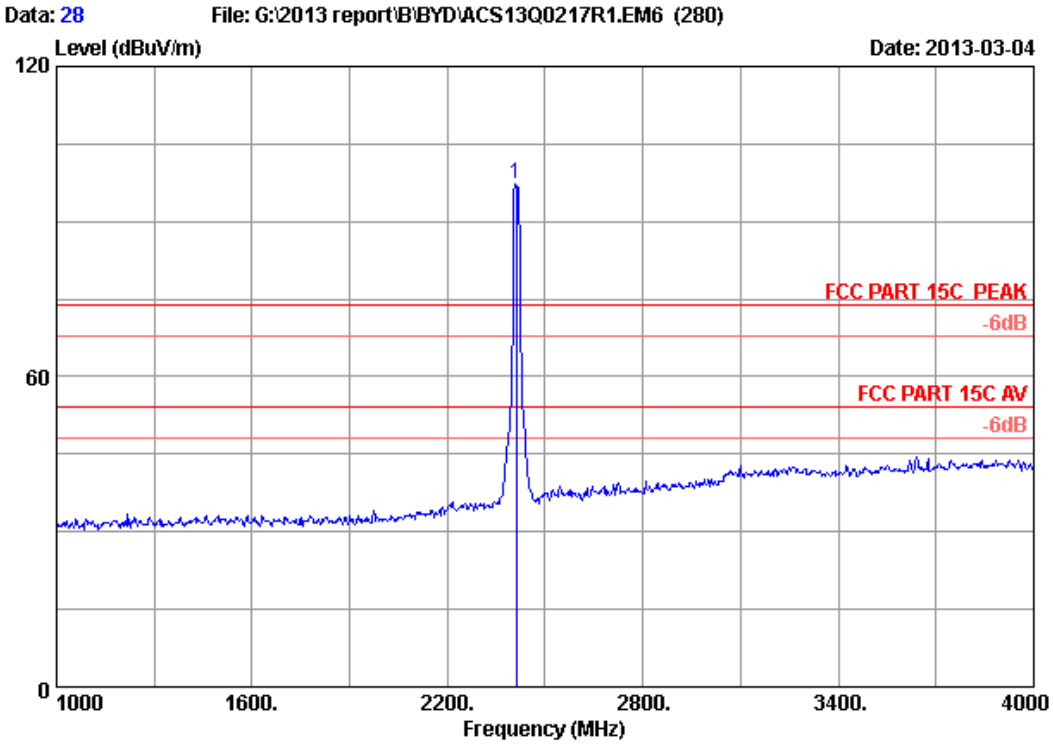
Remarks:
1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 27
Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : VERTICAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23*C/54% Engineer : Leo-Li
EUT : HP Slate 7
Power supply : DC 5V From Adapter Input AC 120V/60Hz
Test mode : IEEE802.11g CH1 2412MHz Tx Mode
M/N : SUN-B12
:

	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2412.000	26.84	6.04	35.92	95.74	92.70	74.00	-18.70	Peak

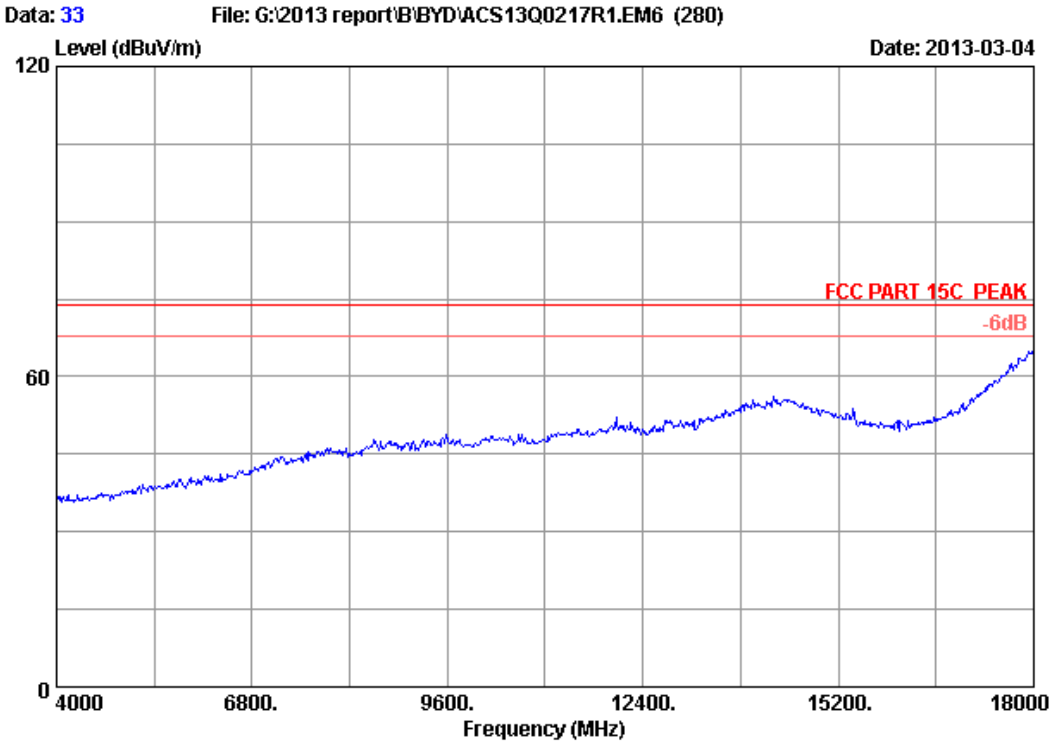
Remarks:
1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.



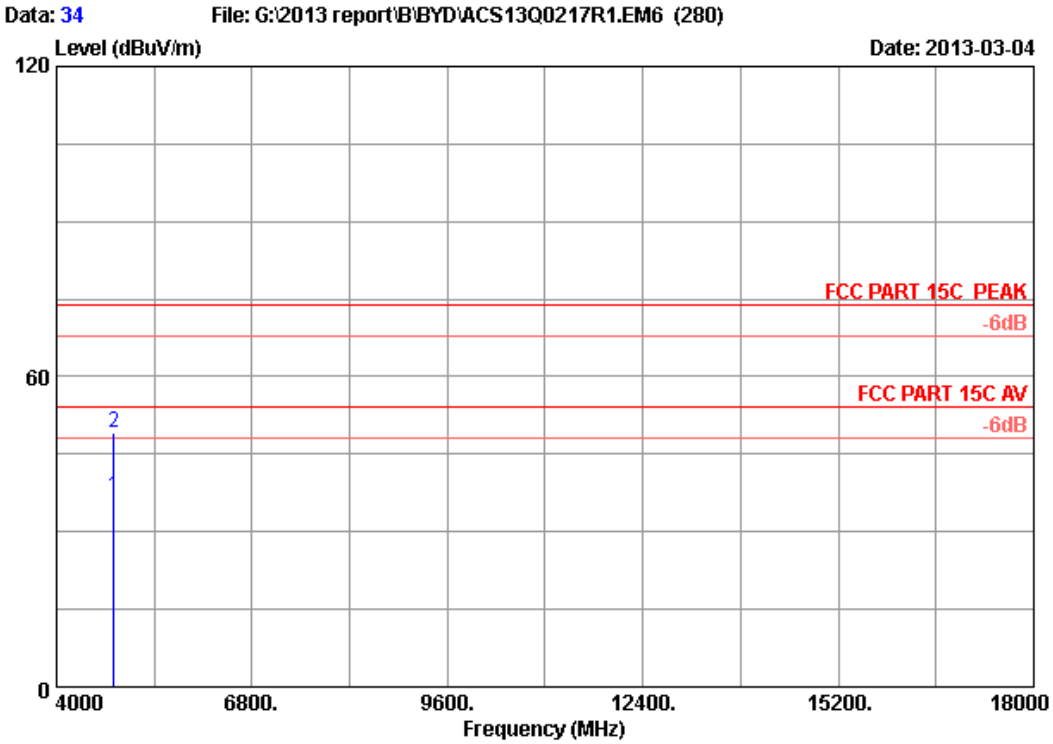
Site no. : 3m Chamber Data no. : 28
Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : HORIZONTAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23*C/54% Engineer : Leo-Li
EUT : HP Slate 7
Power supply : DC 5V From Adapter Input AC 120V/60Hz
Test mode : IEEE802.11g CH1 2412MHz Tx Mode
M/N : SUN-B12
:

	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2412.000	26.84	6.04	35.92	100.31	97.27	74.00	-23.27	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.



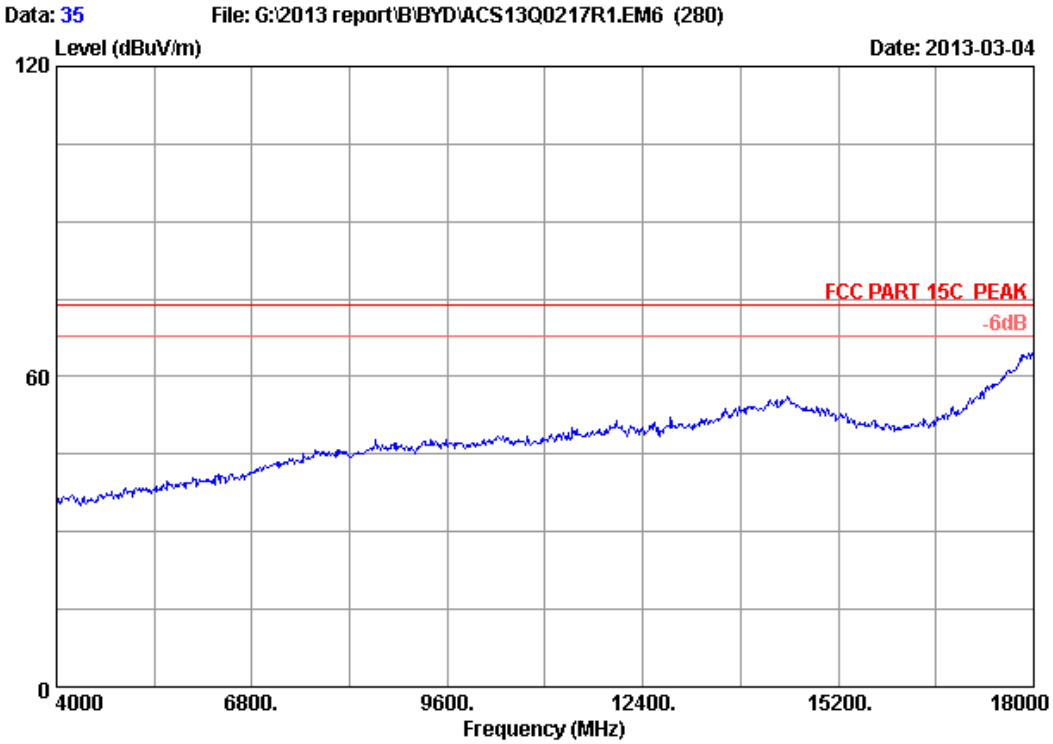

```
Site no.      : 3m Chamber                Data no.   : 33
Dis. / Ant.   : 3m   2012 3115 (4580)     Ant. pol.  : VERTICAL
Limit         : FCC PART 15C  PEAK
Env. / Ins.   : 23*C/54%                  Engineer   : Leo-Li
EUT           : HP Slate 7
Power supply  : DC 5V From Adapter Input AC 120V/60Hz
Test mode     : IEEE802.11g  CH1  2412MHz Tx Mode
M/N           : SUN-B12
              :
```



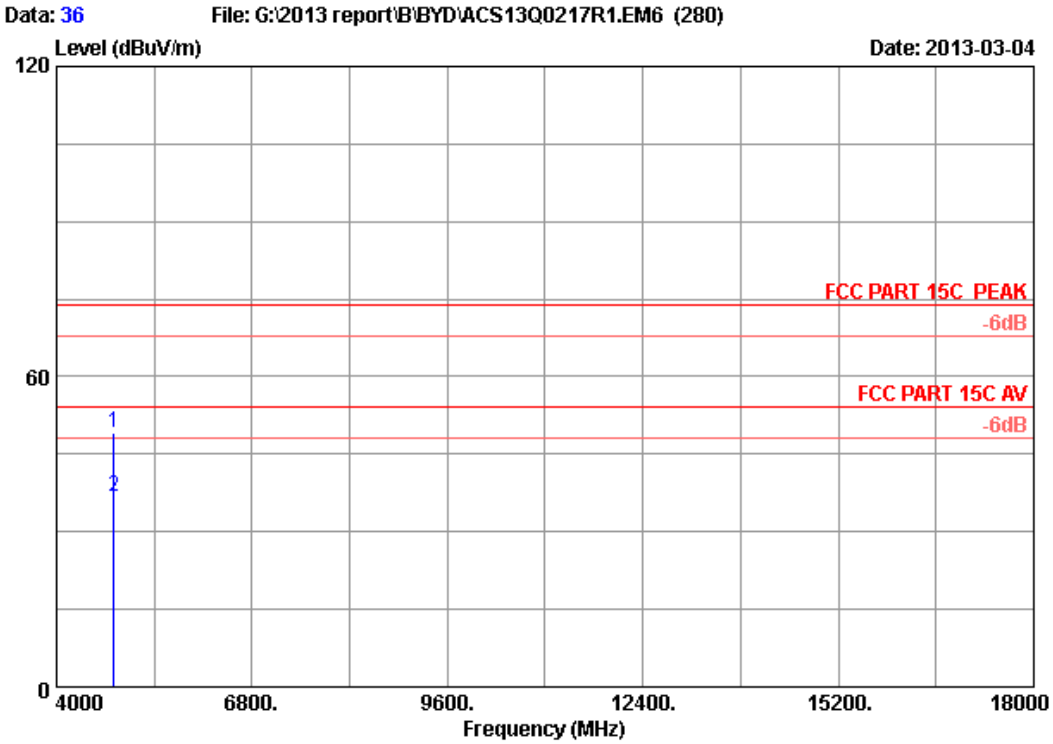
Site no. : 3m Chamber Data no. : 34
Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : VERTICAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23*C/54% Engineer : Leo-Li
EUT : HP Slate 7
Power supply : DC 5V From Adapter Input AC 120V/60Hz
Test mode : IEEE802.11g CH1 2412MHz Tx Mode
M/N : SUN-B12
:

	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	4824.000	32.51	8.69	35.71	31.21	36.70	54.00	17.30	Average
2	4824.000	32.51	8.69	35.71	43.80	49.29	74.00	24.71	Peak

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



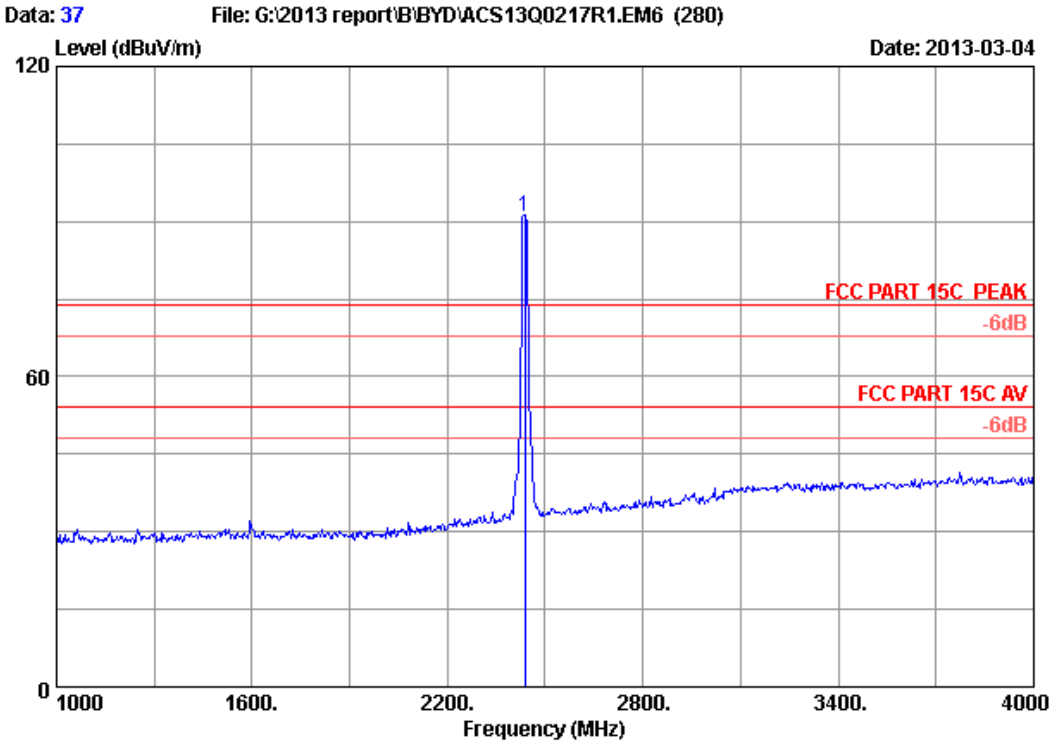

```
Site no.      : 3m Chamber                Data no.   : 35
Dis. / Ant.   : 3m   2012 3115 (4580)     Ant. pol.  : HORIZONTAL
Limit         : FCC PART 15C  PEAK
Env. / Ins.   : 23*C/54%                  Engineer   : Leo-Li
EUT           : HP Slate 7
Power supply  : DC 5V From Adapter Input AC 120V/60Hz
Test mode     : IEEE802.11g  CH1  2412MHz Tx Mode
M/N           : SUN-B12
              :
```



Site no. : 3m Chamber Data no. : 36
Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : HORIZONTAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23*C/54% Engineer : Leo-Li
EUT : HP Slate 7
Power supply : DC 5V From Adapter Input AC 120V/60Hz
Test mode : IEEE802.11g CH1 2412MHz Tx Mode
M/N : SUN-B12
:

	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	4824.000	32.51	8.69	35.71	43.71	49.20	74.00	24.80	Peak
2	4824.000	32.51	8.69	35.71	31.22	36.71	54.00	17.29	Average

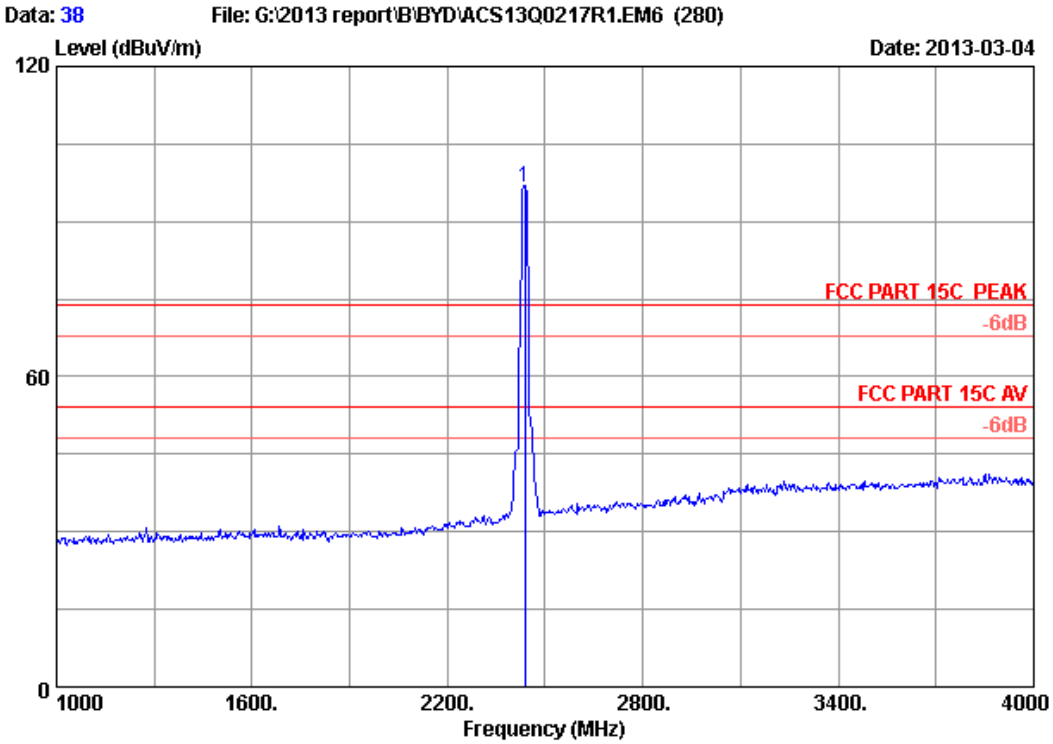
Remarks:
1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 37
Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : VERTICAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23*C/54% Engineer : Leo-Li
EUT : HP Slate 7
Power supply : DC 5V From Adapter Input AC 120V/60Hz
Test mode : IEEE802.11g CH6 2437MHz Tx Mode
M/N : SUN-B12
:

	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2437.000	27.00	6.08	35.92	93.72	90.88	74.00	-16.88	Peak

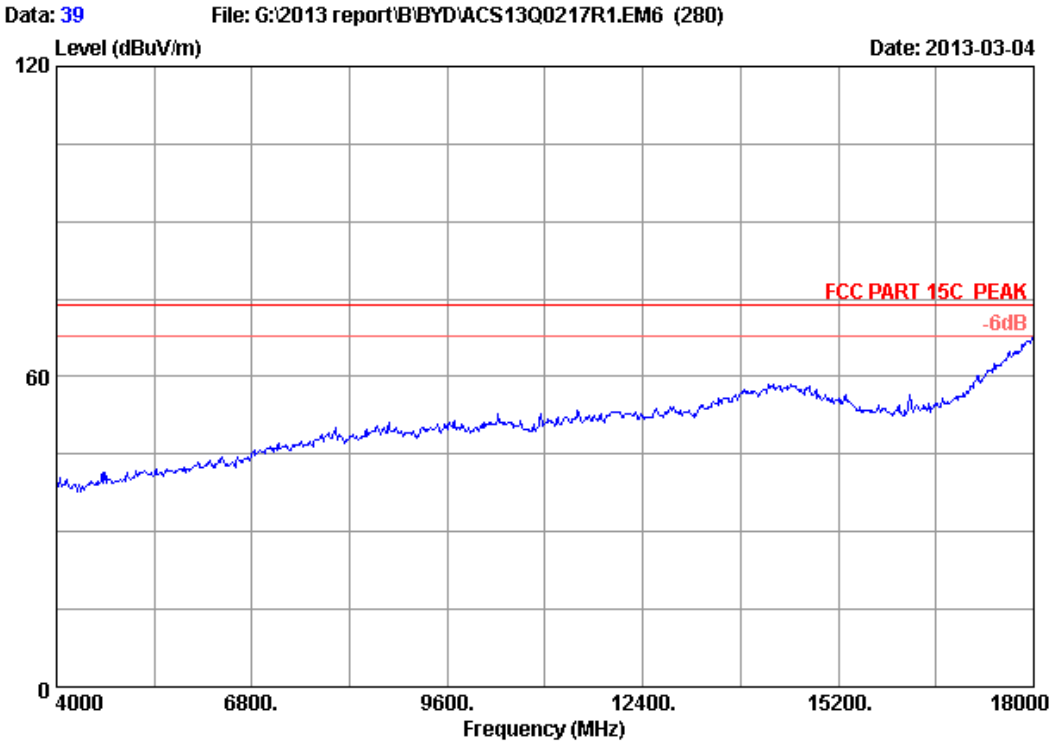
Remarks:
1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.



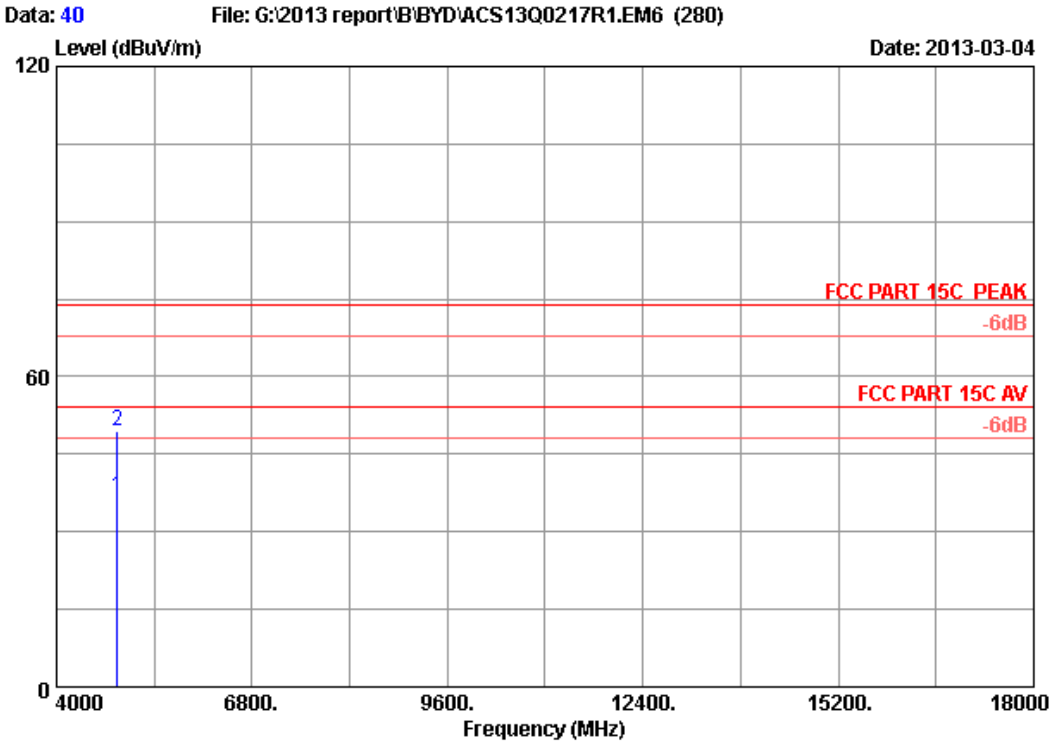
Site no. : 3m Chamber Data no. : 38
Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : HORIZONTAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23*C/54% Engineer : Leo-Li
EUT : HP Slate 7
Power supply : DC 5V From Adapter Input AC 120V/60Hz
Test mode : IEEE802.11g CH6 2437MHz Tx Mode
M/N : SUN-B12
:

	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2437.000	27.00	6.08	35.92	99.38	96.54	74.00	-22.54	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.



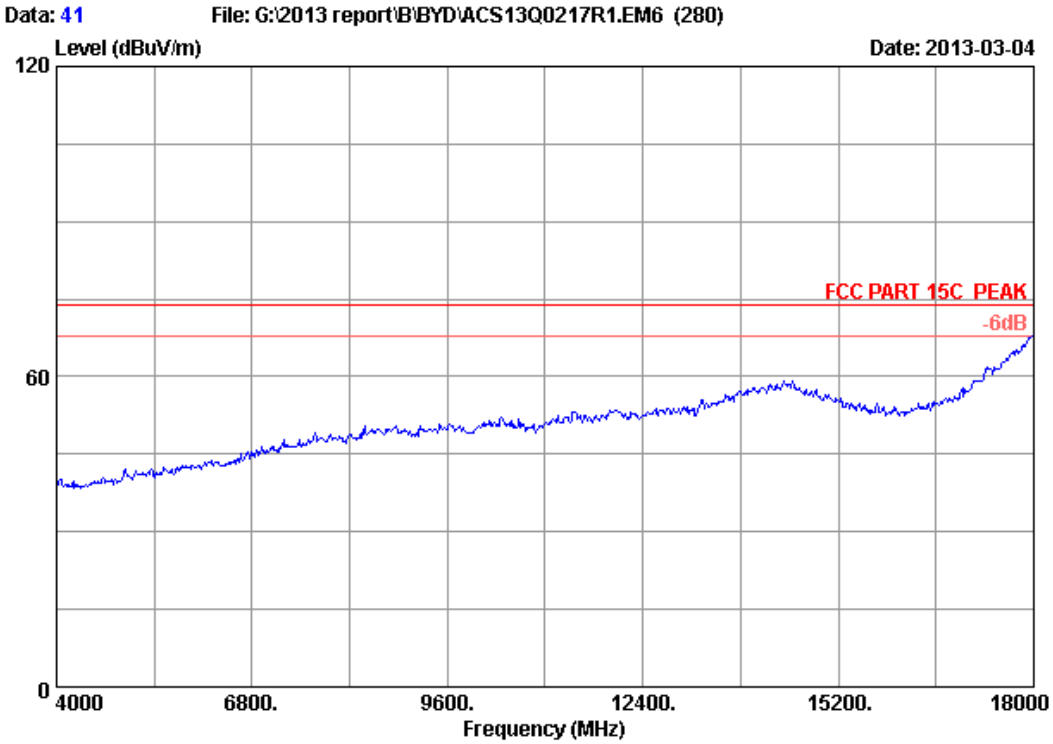

```
Site no.      : 3m Chamber                Data no.   : 39
Dis. / Ant.   : 3m   2012 3115 (4580)     Ant. pol.  : VERTICAL
Limit         : FCC PART 15C  PEAK
Env. / Ins.   : 23*C/54%                  Engineer   : Leo-Li
EUT           : HP Slate 7
Power supply  : DC 5V From Adapter Input AC 120V/60Hz
Test mode     : IEEE802.11g  CH6  2437MHz Tx Mode
M/N           : SUN-B12
              :
```



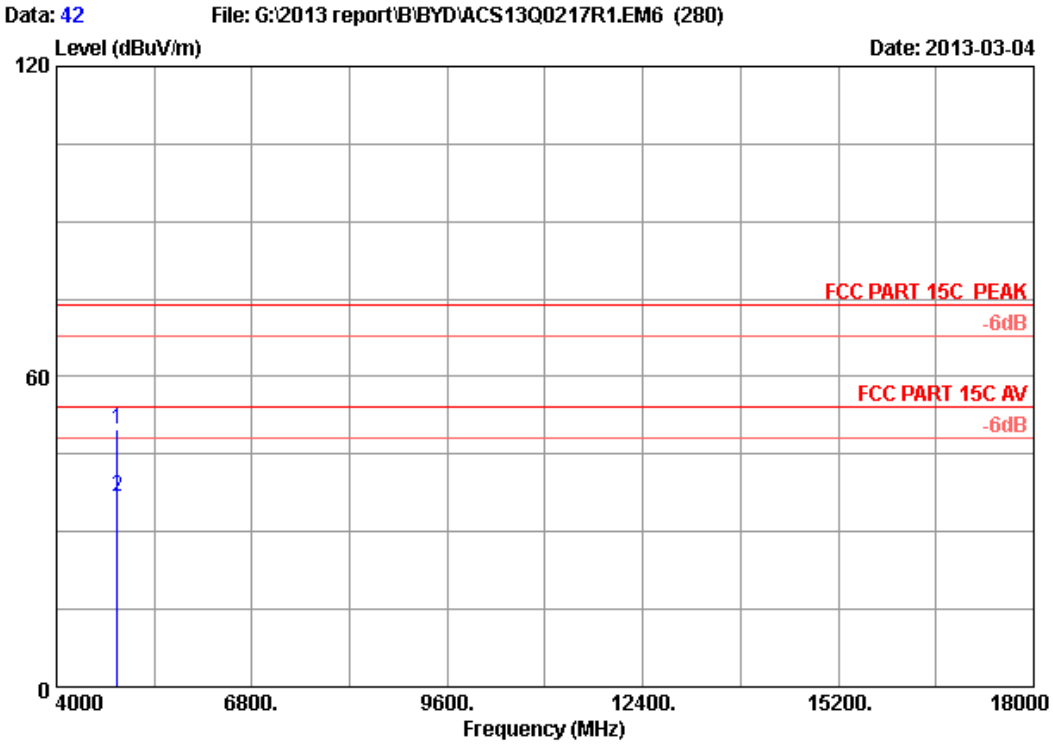
Site no. : 3m Chamber Data no. : 40
Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : VERTICAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23*C/54% Engineer : Leo-Li
EUT : HP Slate 7
Power supply : DC 5V From Adapter Input AC 120V/60Hz
Test mode : IEEE802.11g CH6 2437MHz Tx Mode
M/N : SUN-B12
:

	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	4874.000	32.62	8.73	35.69	31.11	36.77	54.00	17.23	Average
2	4874.000	32.62	8.73	35.69	43.90	49.56	74.00	24.44	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.



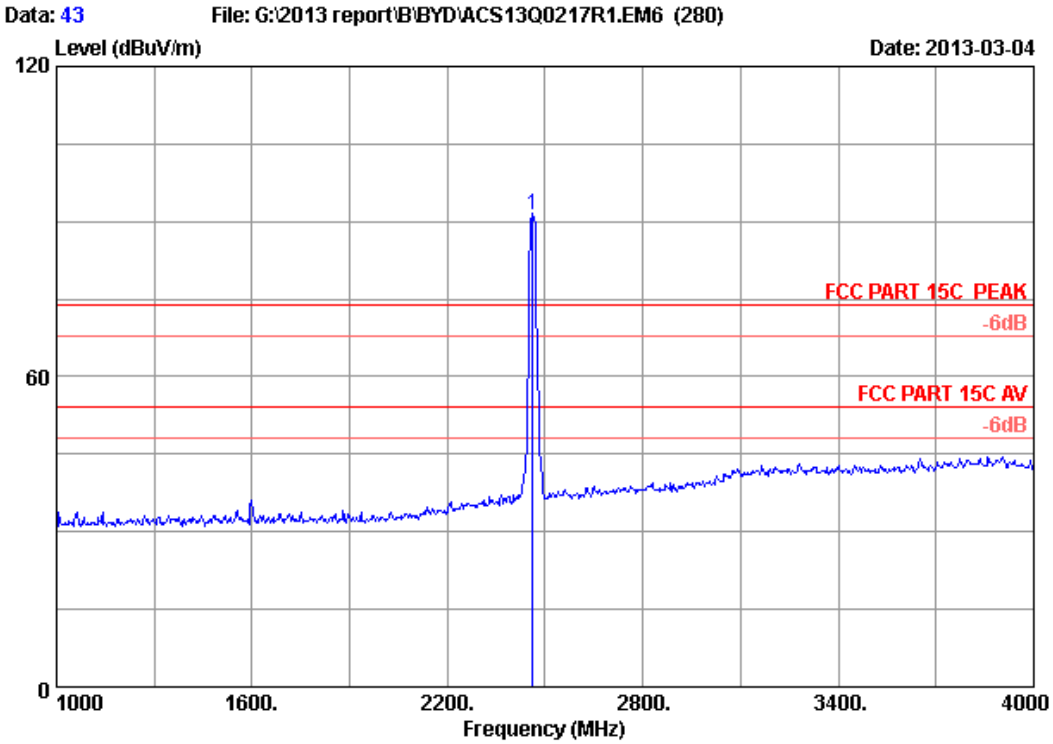

```
Site no.      : 3m Chamber                Data no.   : 41
Dis. / Ant.   : 3m   2012 3115 (4580)     Ant. pol.  : HORIZONTAL
Limit         : FCC PART 15C  PEAK
Env. / Ins.   : 23*C/54%                  Engineer   : Leo-Li
EUT           : HP Slate 7
Power supply  : DC 5V From Adapter Input AC 120V/60Hz
Test mode     : IEEE802.11g  CH6  2437MHz Tx Mode
M/N           : SUN-B12
              :
```



Site no. : 3m Chamber Data no. : 42
Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : HORIZONTAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23*C/54% Engineer : Leo-Li
EUT : HP Slate 7
Power supply : DC 5V From Adapter Input AC 120V/60Hz
Test mode : IEEE802.11g CH6 2437MHz Tx Mode
M/N : SUN-B12
:

	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	4874.000	32.62	8.73	35.69	44.01	49.67	74.00	24.33	Peak
2	4874.000	32.62	8.73	35.69	31.13	36.79	54.00	17.21	Average

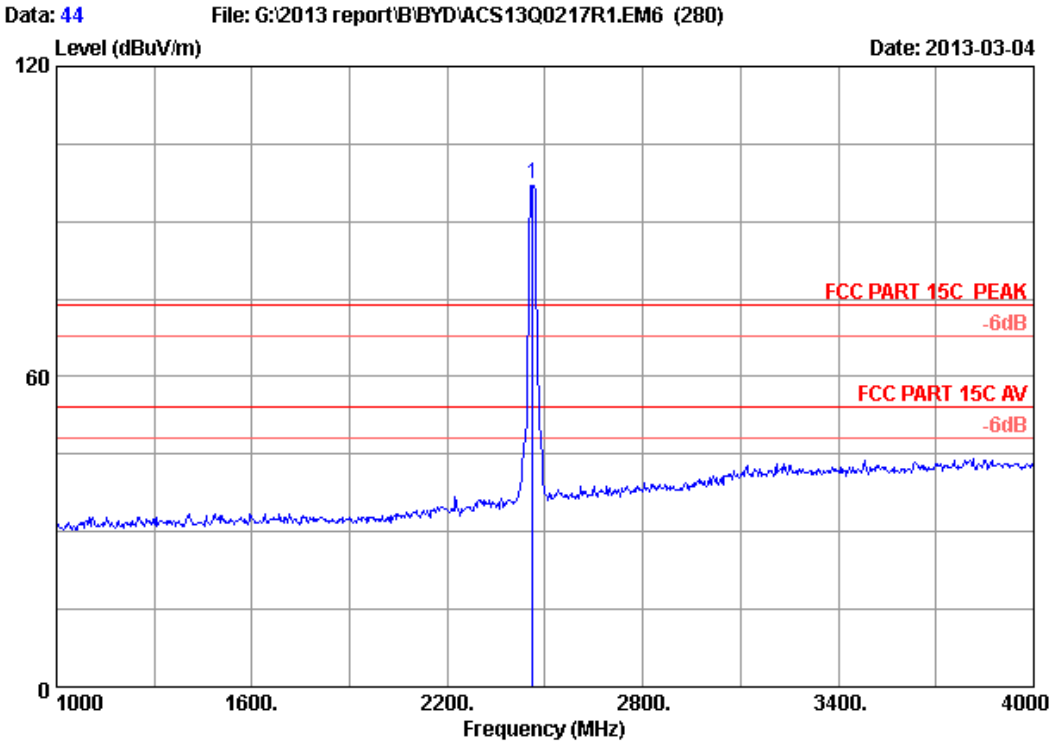
Remarks:
1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 43
Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : VERTICAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23*C/54% Engineer : Leo-Li
EUT : HP Slate 7
Power supply : DC 5V From Adapter Input AC 120V/60Hz
Test mode : IEEE802.11g CH11 2462MHz Tx Mode
M/N : SUN-B12
:

	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2462.000	27.16	6.12	35.92	94.03	91.39	74.00	-17.39	Peak

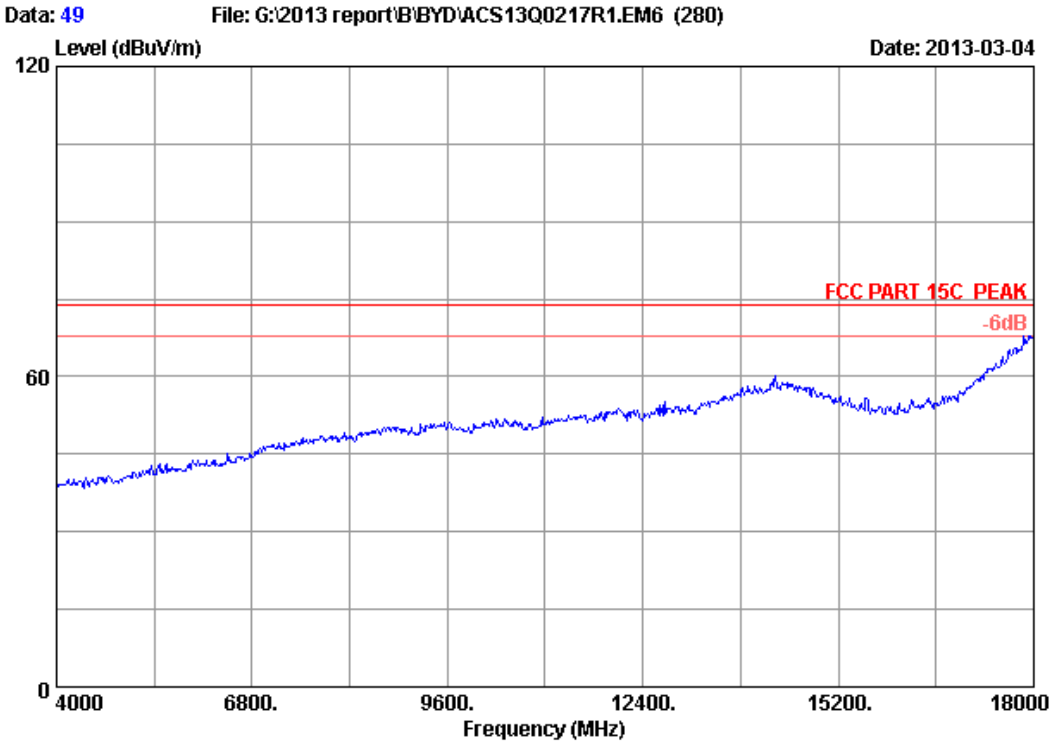
Remarks:
1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.



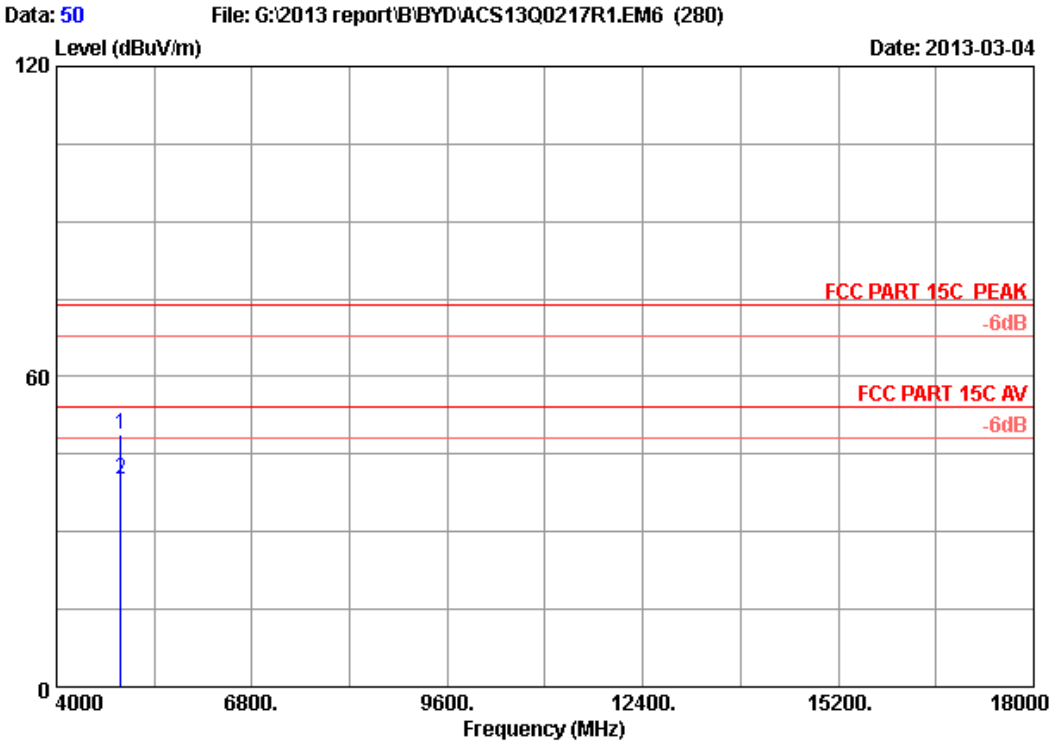
Site no. : 3m Chamber Data no. : 44
Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : HORIZONTAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23*C/54% Engineer : Leo-Li
EUT : HP Slate 7
Power supply : DC 5V From Adapter Input AC 120V/60Hz
Test mode : IEEE802.11g CH11 2462MHz Tx Mode
M/N : SUN-B12
:

	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2462.000	27.16	6.12	35.92	99.86	97.22	74.00	-23.22	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.



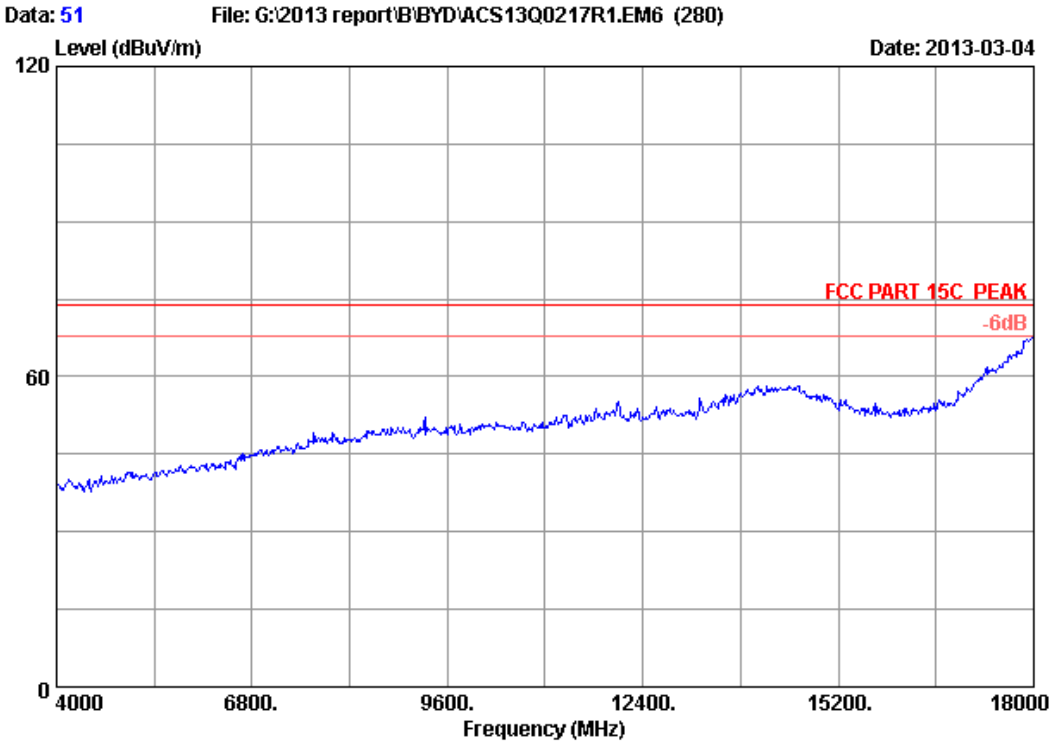

```
Site no.      : 3m Chamber                Data no.   : 49
Dis. / Ant.   : 3m   2012 3115 (4580)     Ant. pol.  : VERTICAL
Limit         : FCC PART 15C  PEAK
Env. / Ins.   : 23*C/54%                  Engineer   : Leo-Li
EUT           : HP Slate 7
Power supply  : DC 5V From Adapter Input AC 120V/60Hz
Test mode     : IEEE802.11g  CH11  2462MHz Tx Mode
M/N           : SUN-B12
              :
```



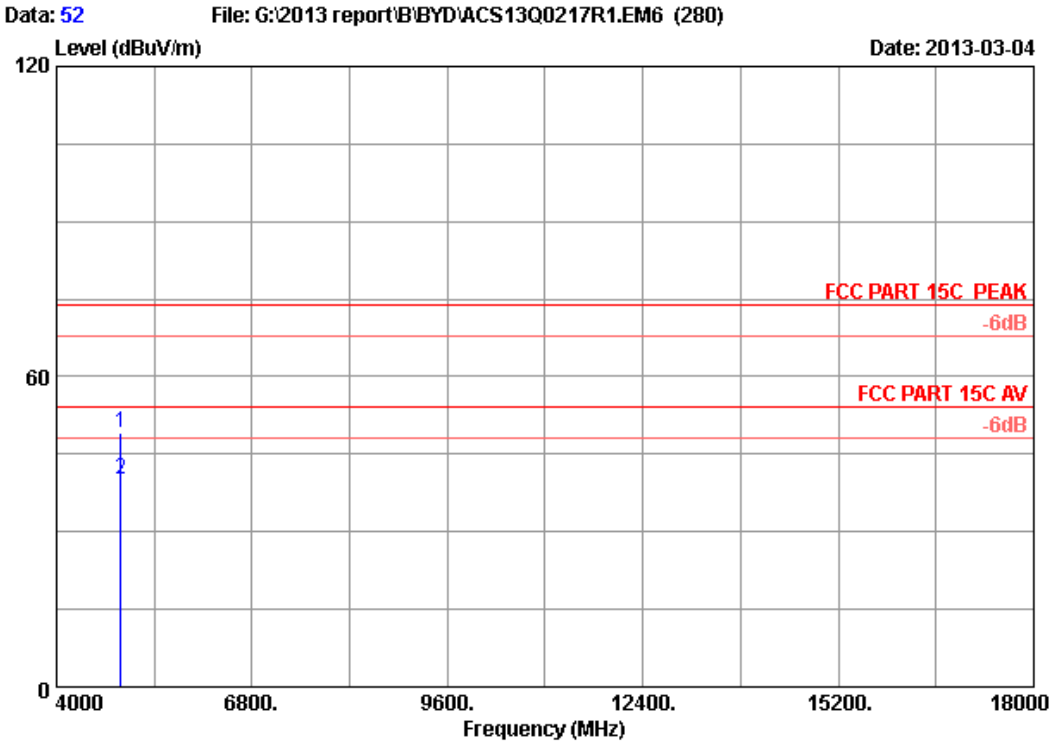
Site no. : 3m Chamber Data no. : 50
Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : VERTICAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23*C/54% Engineer : Leo-Li
EUT : HP Slate 7
Power supply : DC 5V From Adapter Input AC 120V/60Hz
Test mode : IEEE802.11g CH11 2462MHz Tx Mode
M/N : SUN-B12
:

	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	4924.000	32.73	8.78	35.68	43.12	48.95	74.00	25.05	Peak
2	4924.000	32.73	8.78	35.68	34.16	39.99	54.00	14.01	Average

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



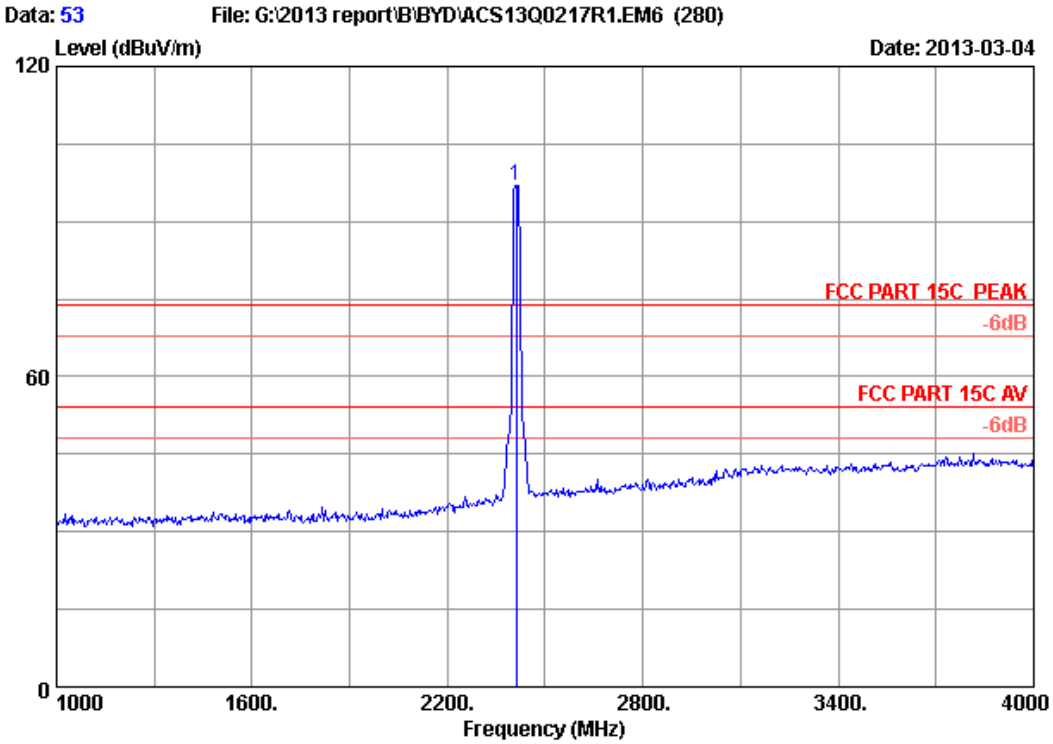

```
Site no.      : 3m Chamber                Data no.   : 51
Dis. / Ant.   : 3m   2012 3115 (4580)     Ant. pol.  : HORIZONTAL
Limit         : FCC PART 15C  PEAK
Env. / Ins.   : 23*C/54%                  Engineer   : Leo-Li
EUT           : HP Slate 7
Power supply  : DC 5V From Adapter Input AC 120V/60Hz
Test mode     : IEEE802.11g  CH11  2462MHz Tx Mode
M/N           : SUN-B12
              :
```



Site no. : 3m Chamber Data no. : 52
Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : HORIZONTAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23*C/54% Engineer : Leo-Li
EUT : HP Slate 7
Power supply : DC 5V From Adapter Input AC 120V/60Hz
Test mode : IEEE802.11g CH11 2462MHz Tx Mode
M/N : SUN-B12
:

	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	4924.000	32.73	8.78	35.68	43.27	49.10	74.00	24.90	Peak
2	4924.000	32.73	8.78	35.68	34.15	39.98	54.00	14.02	Average

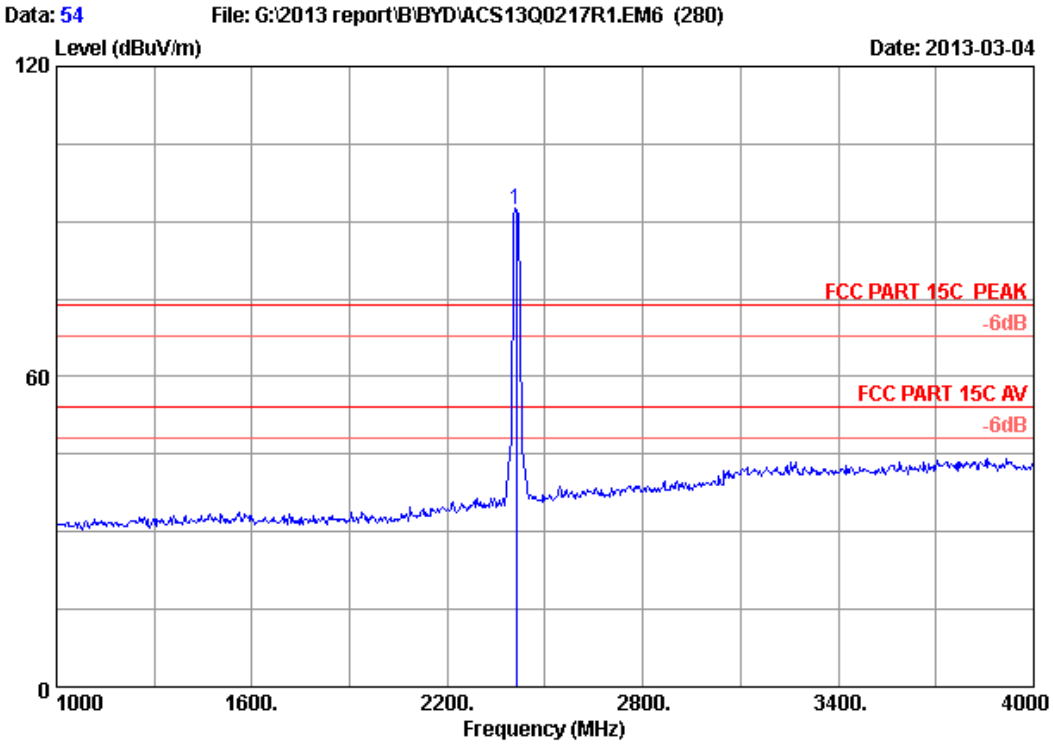
Remarks:
1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 53
Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : HORIZONTAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23*C/54% Engineer : Leo-Li
EUT : HP Slate 7
Power supply : DC 5V From Adapter Input AC 120V/60Hz
Test mode : IEEE802.11nHT20 CH1 2412MHz Tx Mode
M/N : SUN-B12
:

	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2412.000	26.84	6.04	35.92	100.02	96.98	74.00	-22.98	Peak

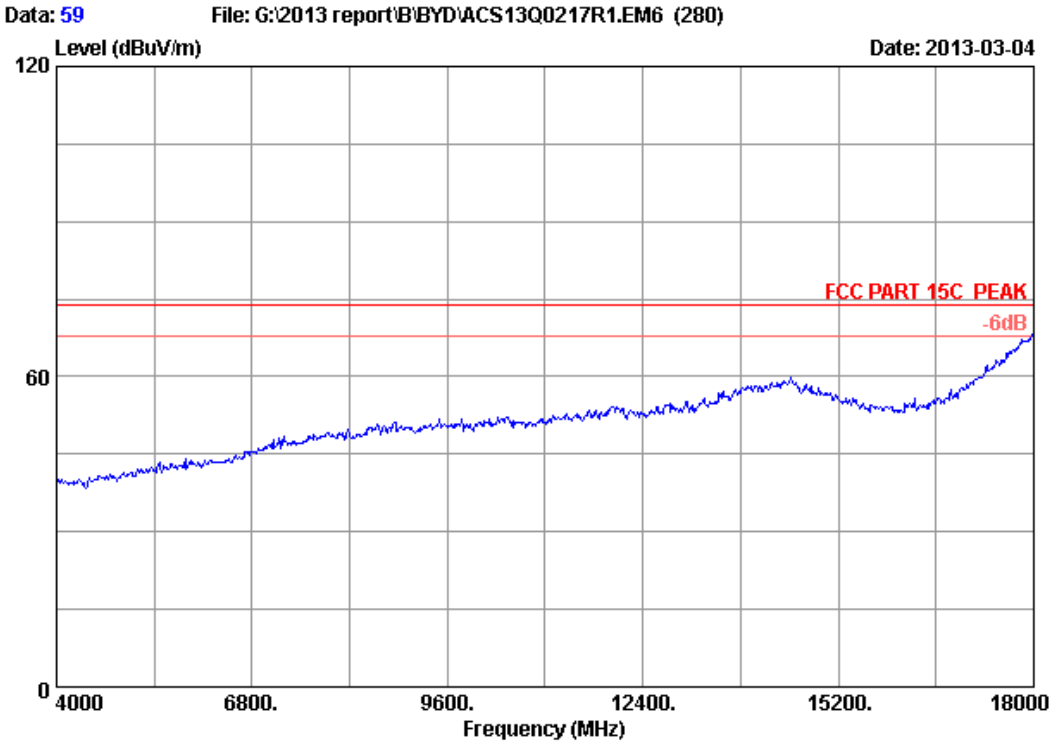
Remarks:
1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.



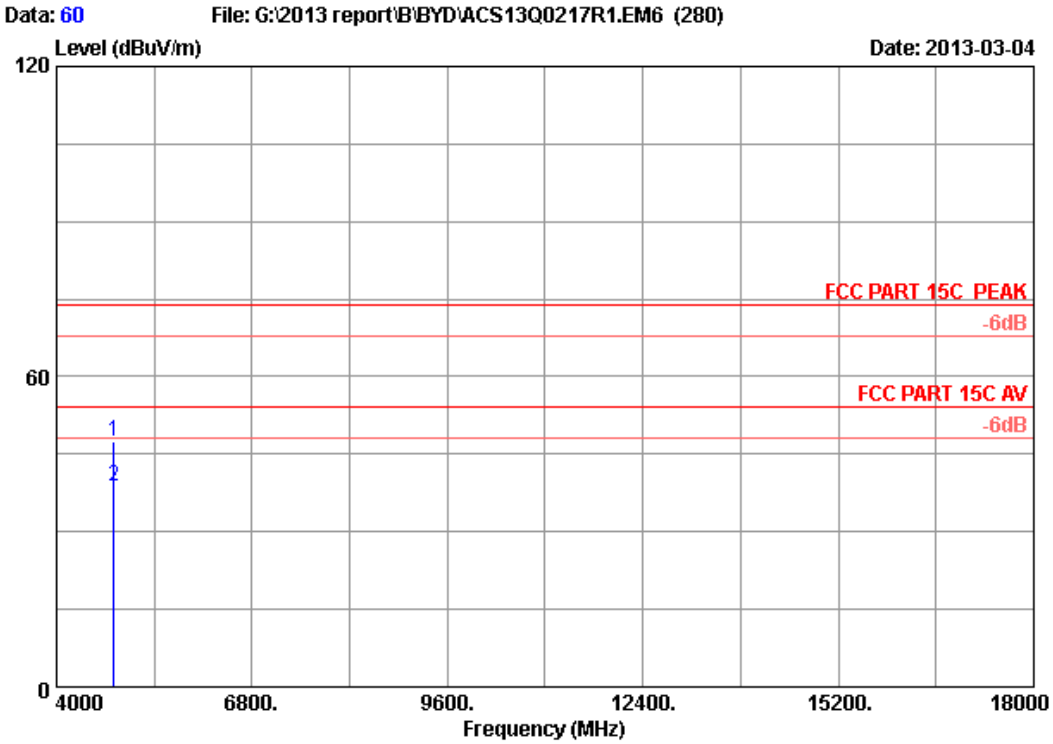
Site no. : 3m Chamber Data no. : 54
Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : VERTICAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23*C/54% Engineer : Leo-Li
EUT : HP Slate 7
Power supply : DC 5V From Adapter Input AC 120V/60Hz
Test mode : IEEE802.11nHT20 CH1 2412MHz Tx Mode
M/N : SUN-B12
:

	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2412.000	26.84	6.04	35.92	95.26	92.22	74.00	-18.22	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.



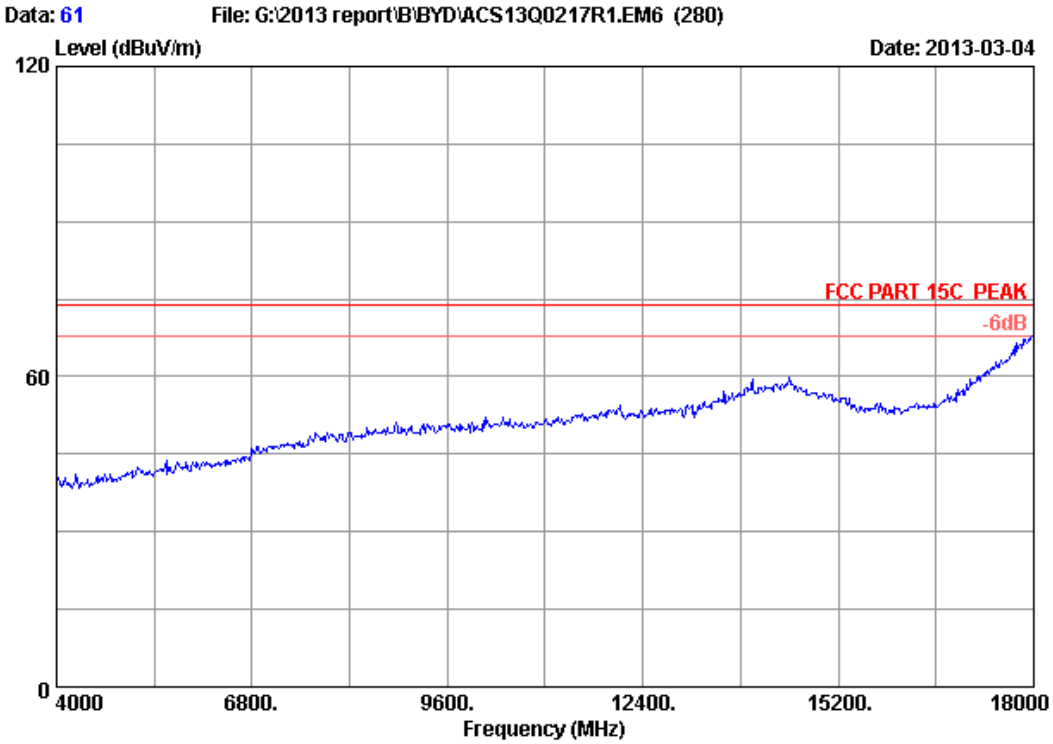

```
Site no.      : 3m Chamber                Data no.   : 59
Dis. / Ant.   : 3m   2012 3115 (4580)     Ant. pol.  : HORIZONTAL
Limit         : FCC PART 15C  PEAK
Env. / Ins.   : 23*C/54%                  Engineer   : Leo-Li
EUT           : HP Slate 7
Power supply  : DC 5V From Adapter Input AC 120V/60Hz
Test mode     : IEEE802.11nHT20  CH1  2412MHz Tx Mode
M/N           : SUN-B12
              :
```



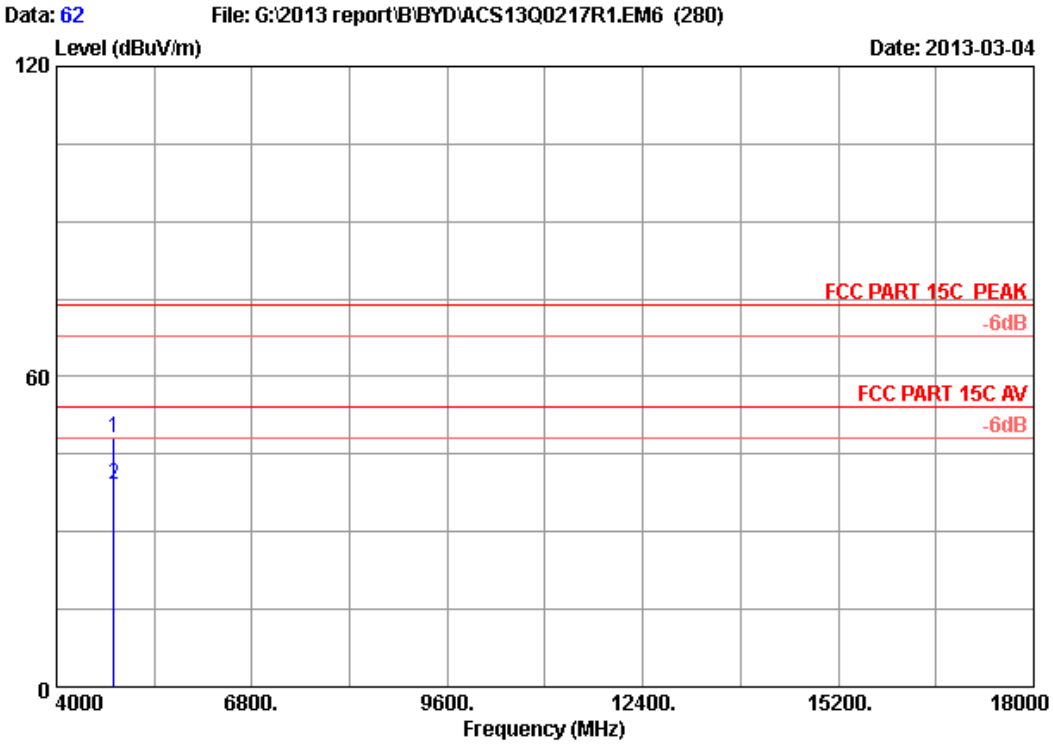
Site no. : 3m Chamber Data no. : 60
Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : HORIZONTAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23*C/54% Engineer : Leo-Li
EUT : HP Slate 7
Power supply : DC 5V From Adapter Input AC 120V/60Hz
Test mode : IEEE802.11nHT20 CH1 2412MHz Tx Mode
M/N : SUN-B12
:

	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	4824.000	32.51	8.69	35.71	42.09	47.58	74.00	26.42	Peak
2	4824.000	32.51	8.69	35.71	33.34	38.83	54.00	15.17	Average

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



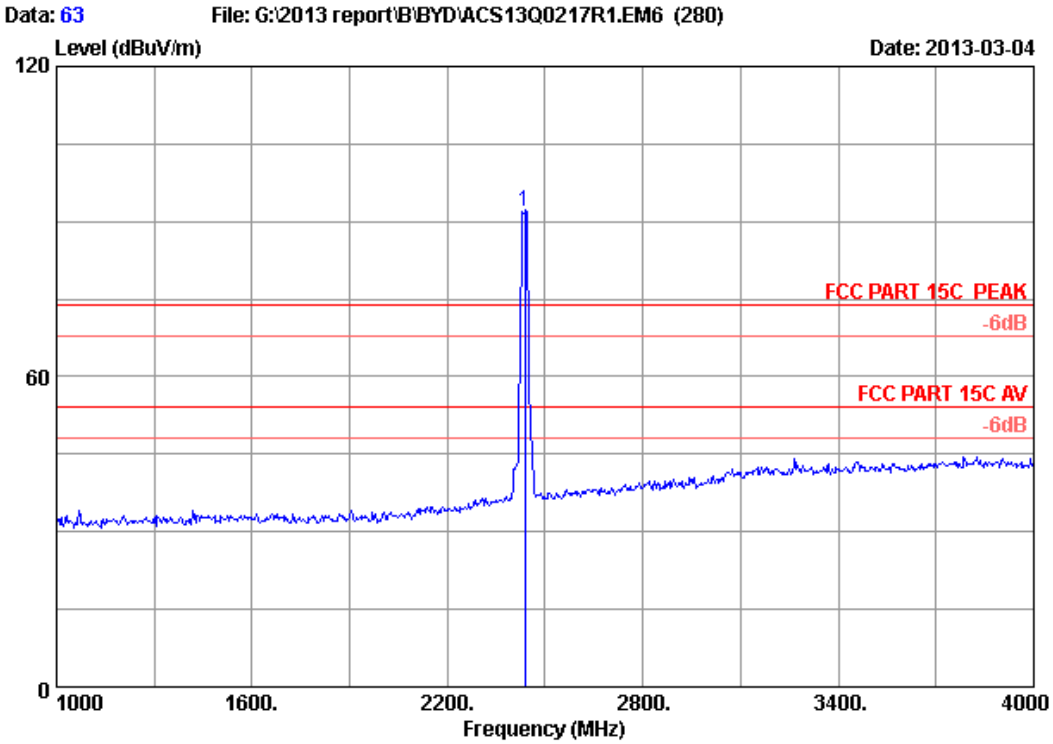

```
Site no.      : 3m Chamber                Data no.   : 61
Dis. / Ant.   : 3m   2012 3115 (4580)     Ant. pol.  : VERTICAL
Limit         : FCC PART 15C  PEAK
Env. / Ins.   : 23*C/54%                  Engineer   : Leo-Li
EUT           : HP Slate 7
Power supply  : DC 5V From Adapter Input AC 120V/60Hz
Test mode     : IEEE802.11nHT20  CH1  2412MHz Tx Mode
M/N           : SUN-B12
              :
```



Site no. : 3m Chamber Data no. : 62
Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : VERTICAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23*C/54% Engineer : Leo-Li
EUT : HP Slate 7
Power supply : DC 5V From Adapter Input AC 120V/60Hz
Test mode : IEEE802.11nHT20 CH1 2412MHz Tx Mode
M/N : SUN-B12
:

	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	4824.000	32.51	8.69	35.71	42.60	48.09	74.00	25.91	Peak
2	4824.000	32.51	8.69	35.71	33.76	39.25	54.00	14.75	Average

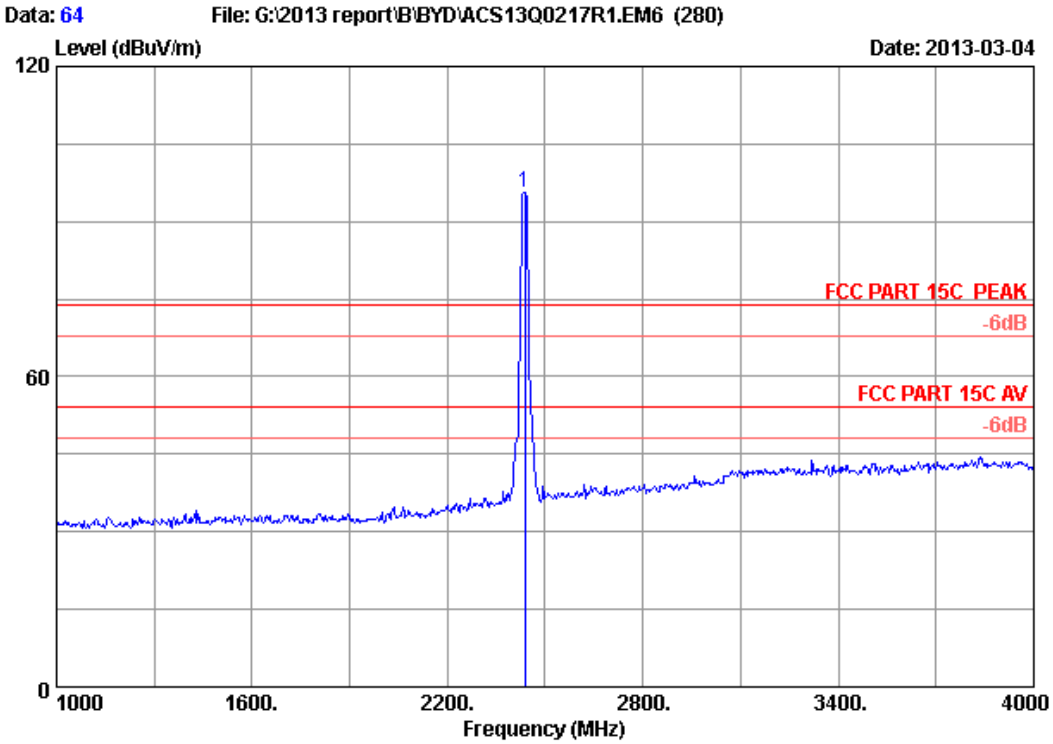
Remarks:
1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 63
Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : VERTICAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23*C/54% Engineer : Leo-Li
EUT : HP Slate 7
Power supply : DC 5V From Adapter Input AC 120V/60Hz
Test mode : IEEE802.11nHT20 CH6 2437MHz Tx Mode
M/N : SUN-B12
:

	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2437.000	27.00	6.08	35.92	94.61	91.77	74.00	-17.77	Peak

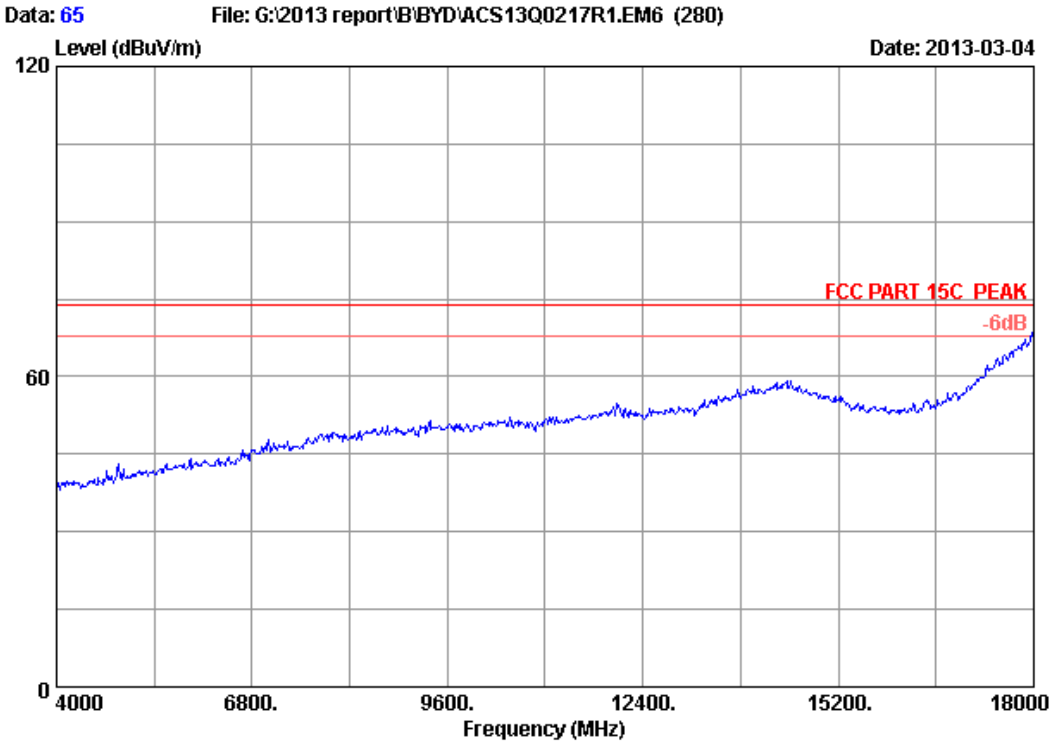
Remarks:
1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.



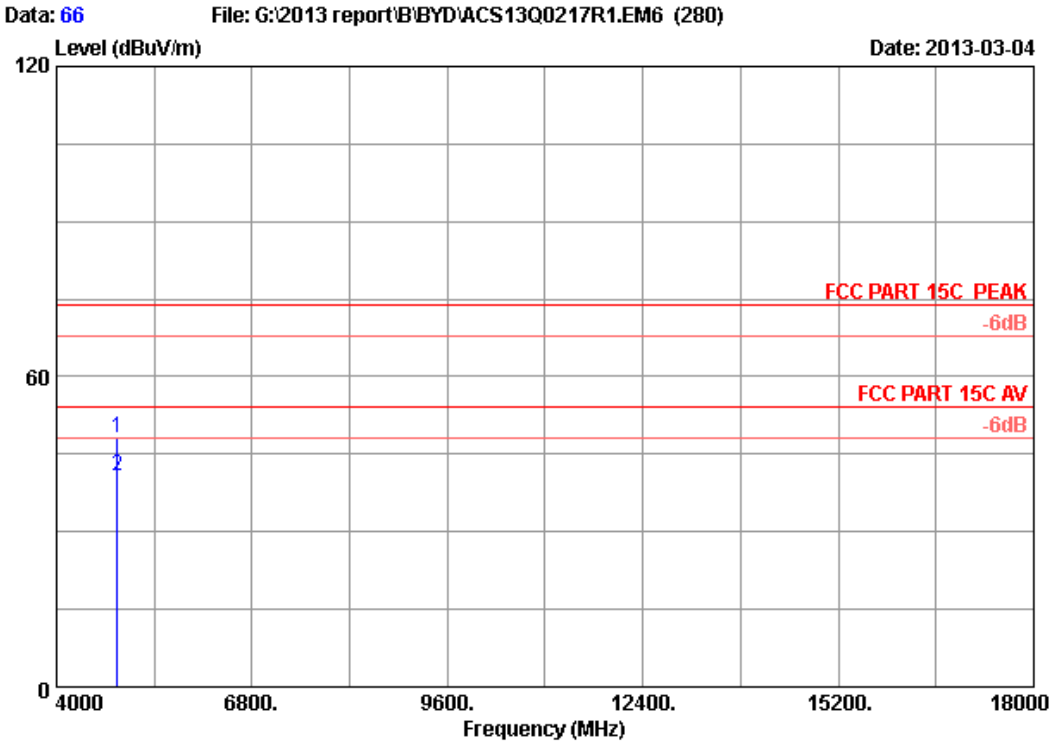
Site no. : 3m Chamber Data no. : 64
Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : HORIZONTAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23*C/54% Engineer : Leo-Li
EUT : HP Slate 7
Power supply : DC 5V From Adapter Input AC 120V/60Hz
Test mode : IEEE802.11nHT20 CH6 2437MHz Tx Mode
M/N : SUN-B12
:

	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2437.000	27.00	6.08	35.92	98.53	95.69	74.00	-21.69	Peak

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



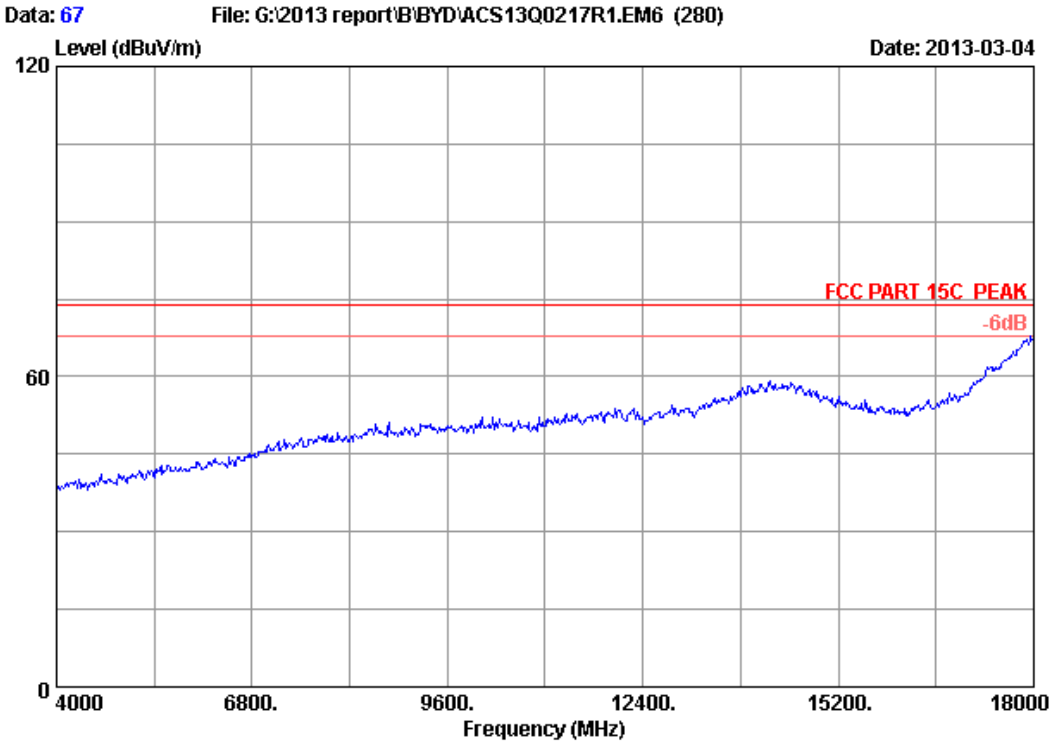

```
Site no.      : 3m Chamber                Data no.   : 65
Dis. / Ant.   : 3m   2012 3115 (4580)     Ant. pol.  : HORIZONTAL
Limit         : FCC PART 15C  PEAK
Env. / Ins.   : 23*C/54%                  Engineer   : Leo-Li
EUT           : HP Slate 7
Power supply  : DC 5V From Adapter Input AC 120V/60Hz
Test mode     : IEEE802.11nHT20  CH6  2437MHz Tx Mode
M/N           : SUN-B12
              :
```



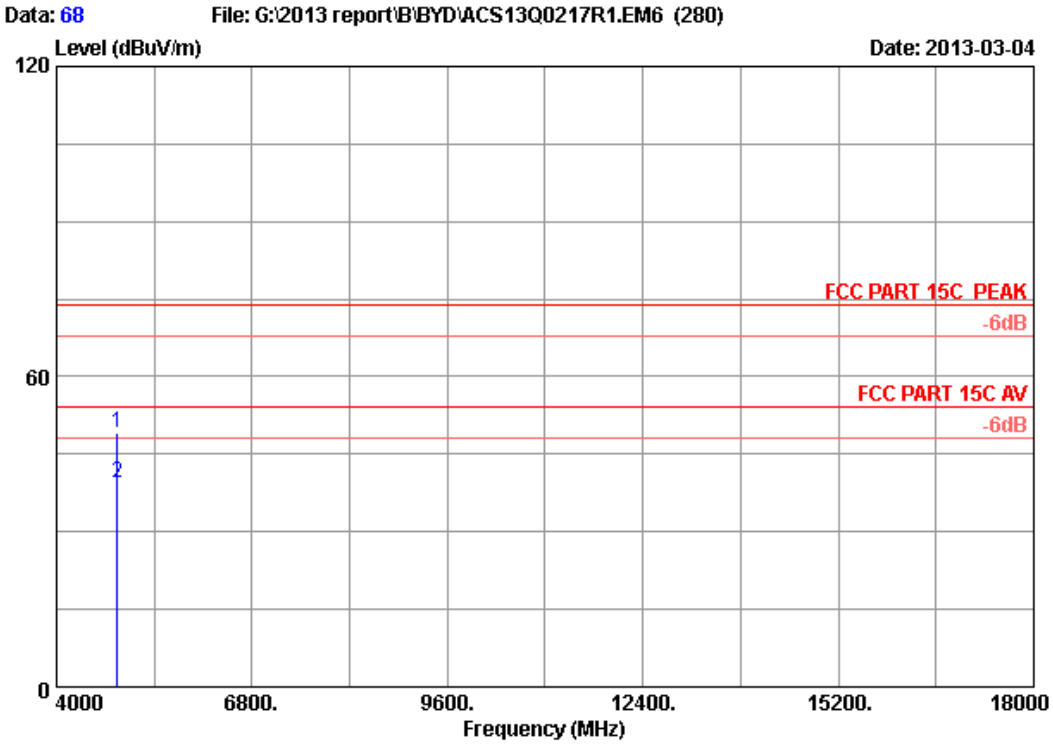
Site no. : 3m Chamber Data no. : 66
Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : HORIZONTAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23*C/54% Engineer : Leo-Li
EUT : HP Slate 7
Power supply : DC 5V From Adapter Input AC 120V/60Hz
Test mode : IEEE802.11nHT20 CH6 2437MHz Tx Mode
M/N : SUN-B12
:

	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	4874.000	32.62	8.73	35.69	42.40	48.06	74.00	25.94	Peak
2	4874.000	32.62	8.73	35.69	35.16	40.82	54.00	13.18	Average

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



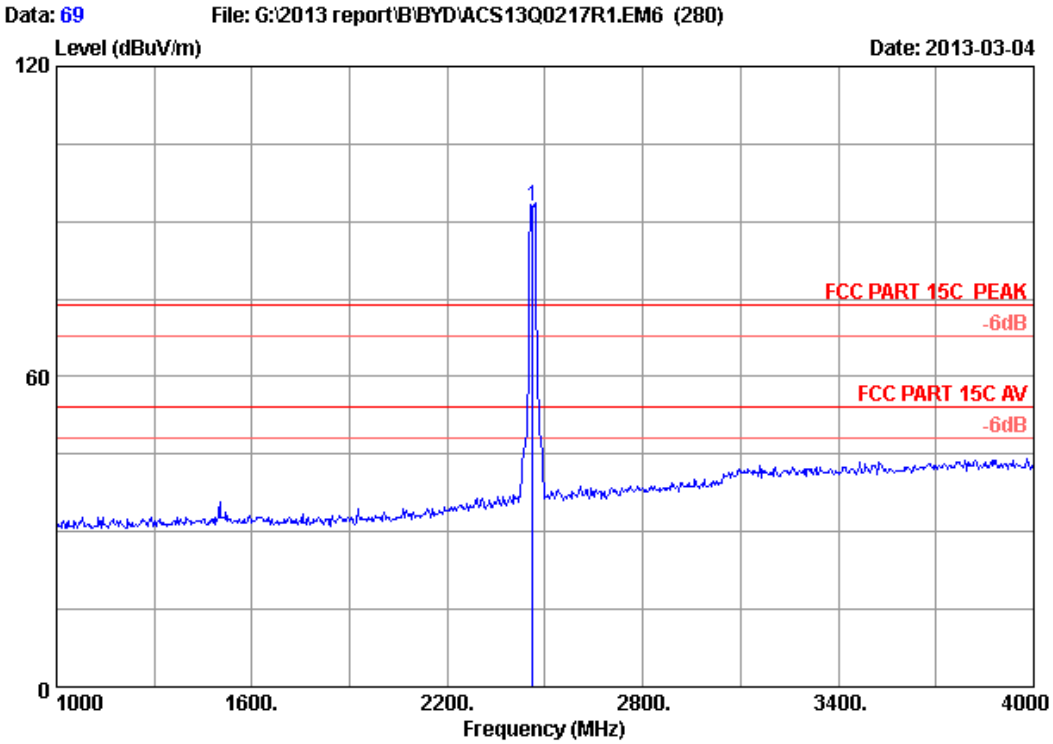

```
Site no.      : 3m Chamber                Data no.   : 67
Dis. / Ant.   : 3m   2012 3115 (4580)     Ant. pol.  : VERTICAL
Limit         : FCC PART 15C  PEAK
Env. / Ins.   : 23*C/54%                  Engineer   : Leo-Li
EUT           : HP Slate 7
Power supply  : DC 5V From Adapter Input AC 120V/60Hz
Test mode     : IEEE802.11nHT20  CH6  2437MHz Tx Mode
M/N           : SUN-B12
              :
```



Site no. : 3m Chamber Data no. : 68
Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : VERTICAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23*C/54% Engineer : Leo-Li
EUT : HP Slate 7
Power supply : DC 5V From Adapter Input AC 120V/60Hz
Test mode : IEEE802.11nHT20 CH6 2437MHz Tx Mode
M/N : SUN-B12
:

	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	4874.000	32.62	8.73	35.69	43.37	49.03	74.00	24.97	Peak
2	4874.000	32.62	8.73	35.69	33.78	39.44	54.00	14.56	Average

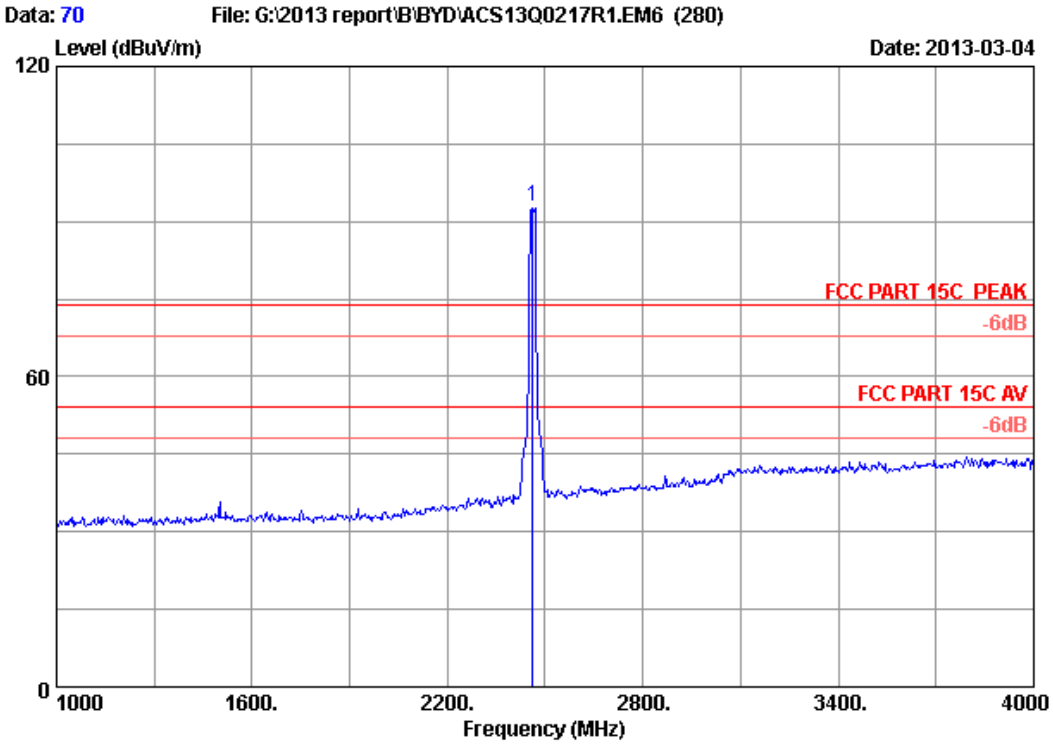
Remarks:
1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 69
Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : HORIZONTAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23*C/54% Engineer : Leo-Li
EUT : HP Slate 7
Power supply : DC 5V From Adapter Input AC 120V/60Hz
Test mode : IEEE802.11nHT20 CH11 2462MHz Tx Mode
M/N : SUN-B12
:

	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2462.000	27.16	6.12	35.92	95.62	92.98	74.00	-18.98	Peak

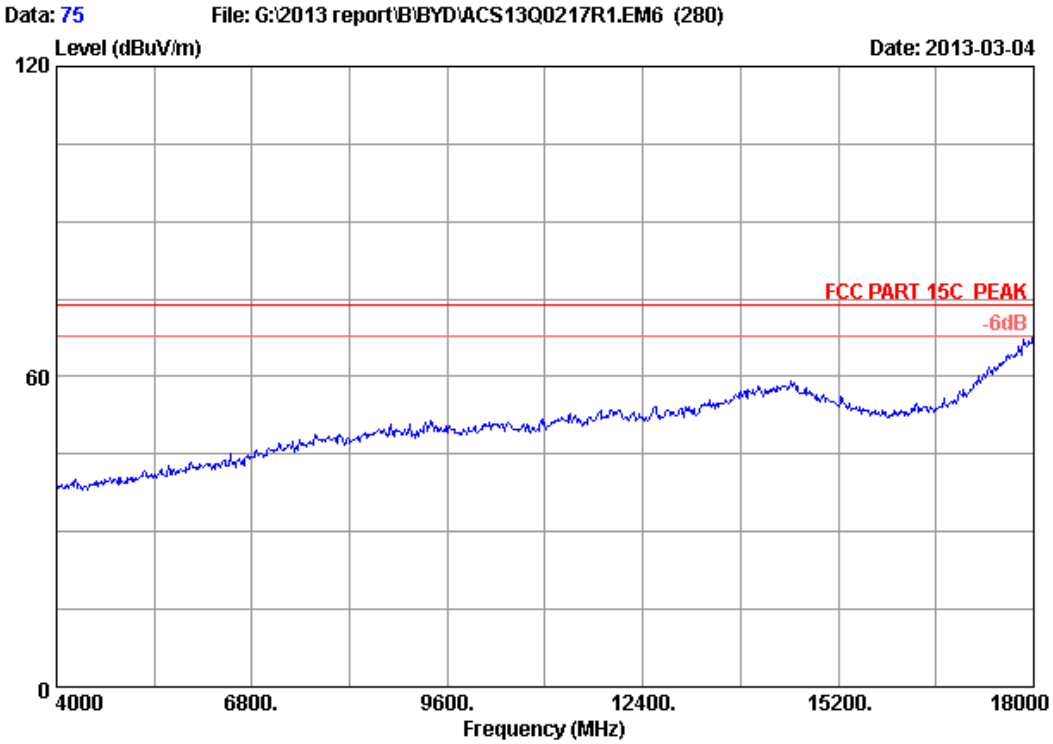
Remarks:
1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.



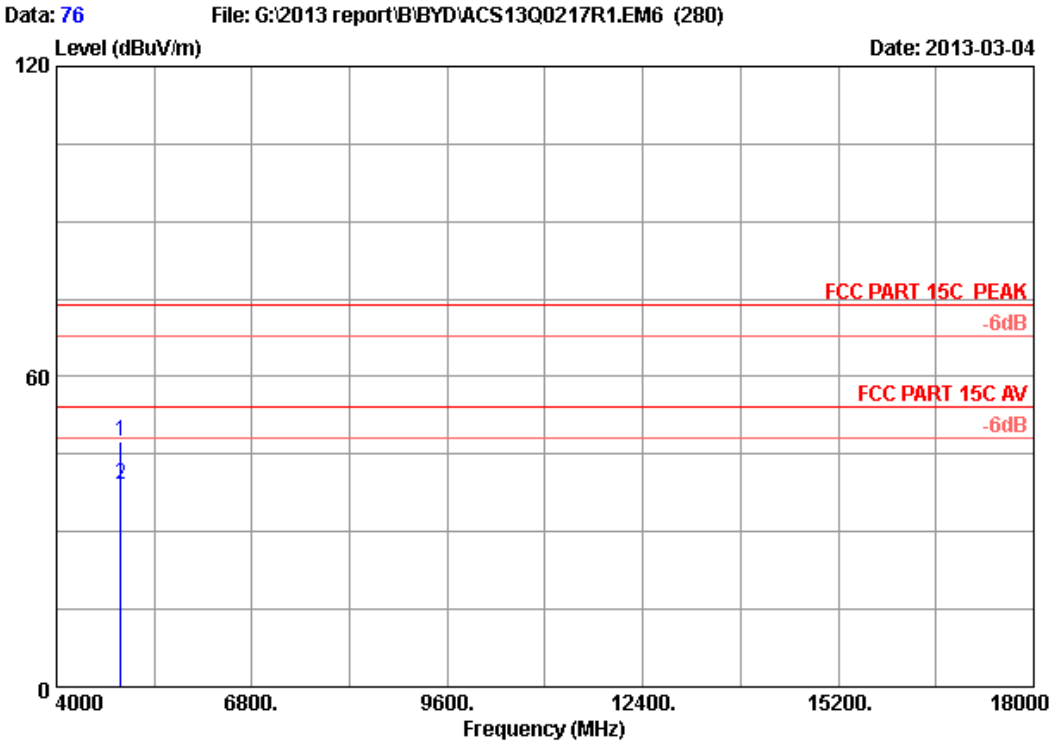
Site no. : 3m Chamber Data no. : 70
Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : VERTICAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23*C/54% Engineer : Leo-Li
EUT : HP Slate 7
Power supply : DC 5V From Adapter Input AC 120V/60Hz
Test mode : IEEE802.11nHT20 CH11 2462MHz Tx Mode
M/N : SUN-B12
:

	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2462.000	27.16	6.12	35.92	95.49	92.85	74.00	-18.85	Peak

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



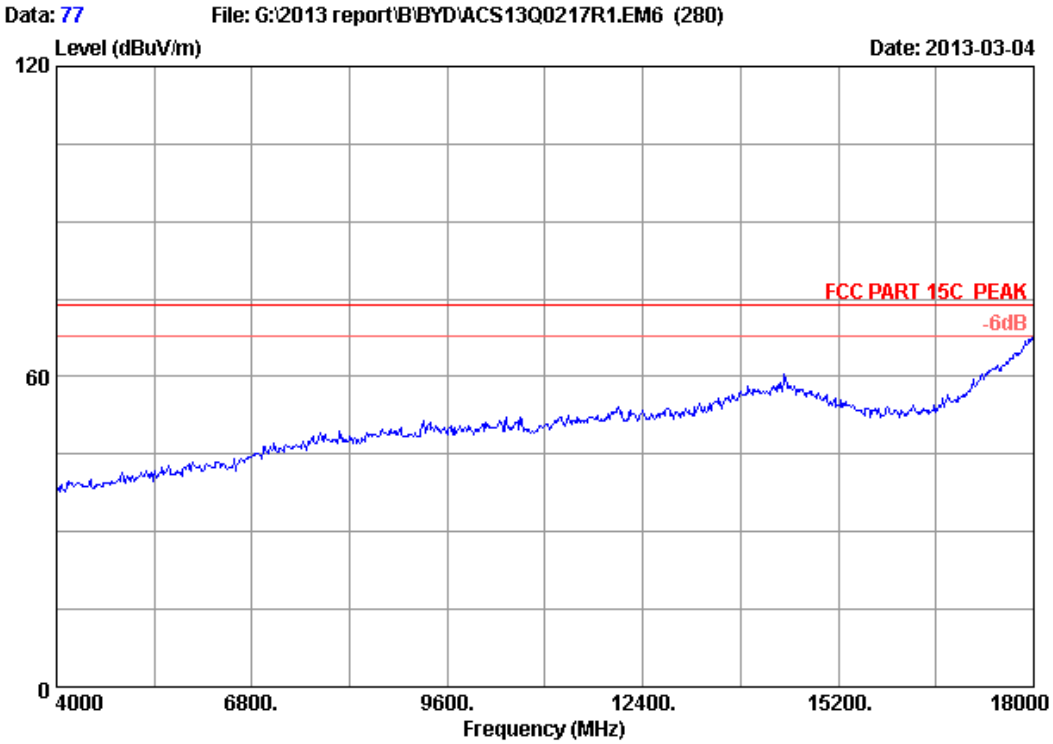

```
Site no.      : 3m Chamber                Data no.   : 75
Dis. / Ant.   : 3m   2012 3115 (4580)     Ant. pol.  : HORIZONTAL
Limit         : FCC PART 15C  PEAK
Env. / Ins.   : 23*C/54%                  Engineer   : Leo-Li
EUT           : HP Slate 7
Power supply  : DC 5V From Adapter Input AC 120V/60Hz
Test mode     : IEEE802.11nHT20  CH11  2462MHz Tx Mode
M/N           : SUN-B12
              :
```



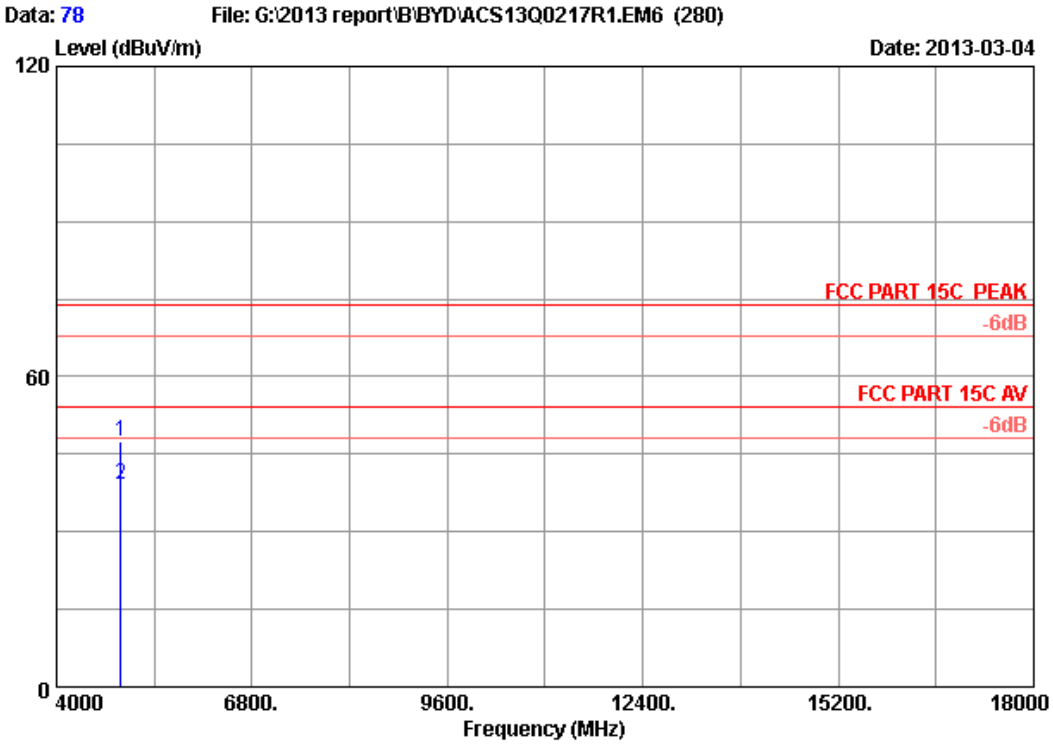
Site no. : 3m Chamber Data no. : 76
Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : HORIZONTAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23*C/54% Engineer : Leo-Li
EUT : HP Slate 7
Power supply : DC 5V From Adapter Input AC 120V/60Hz
Test mode : IEEE802.11nHT20 CH11 2462MHz Tx Mode
M/N : SUN-B12
:

	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	4924.000	32.73	8.78	35.68	41.77	47.60	74.00	26.40	Peak
2	4924.000	32.73	8.78	35.68	33.36	39.19	54.00	14.81	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.



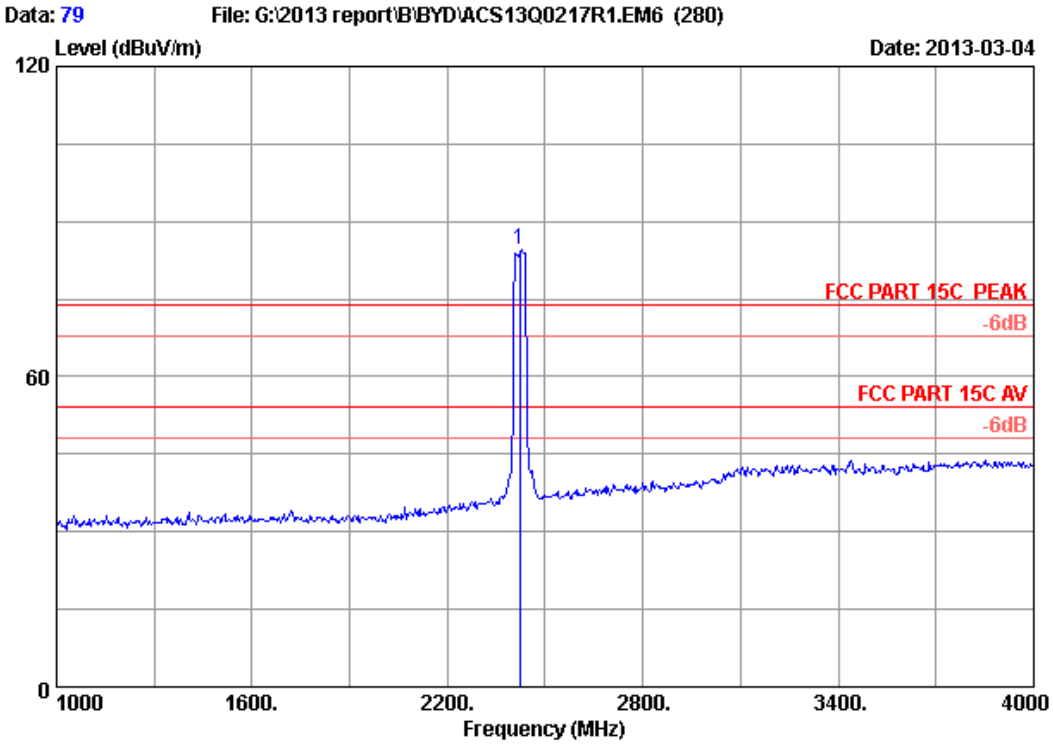

```
Site no.      : 3m Chamber                Data no.   : 77
Dis. / Ant.   : 3m   2012 3115 (4580)     Ant. pol.  : VERTICAL
Limit         : FCC PART 15C  PEAK
Env. / Ins.   : 23*C/54%                  Engineer   : Leo-Li
EUT           : HP Slate 7
Power supply  : DC 5V From Adapter Input AC 120V/60Hz
Test mode     : IEEE802.11nHT20  CH11  2462MHz Tx Mode
M/N           : SUN-B12
              :
```



Site no. : 3m Chamber Data no. : 78
Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : VERTICAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23*C/54% Engineer : Leo-Li
EUT : HP Slate 7
Power supply : DC 5V From Adapter Input AC 120V/60Hz
Test mode : IEEE802.11nHT20 CH11 2462MHz Tx Mode
M/N : SUN-B12
:

	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	4924.000	32.73	8.78	35.68	41.77	47.60	74.00	26.40	Peak
2	4924.000	32.73	8.78	35.68	33.35	39.18	54.00	14.82	Average

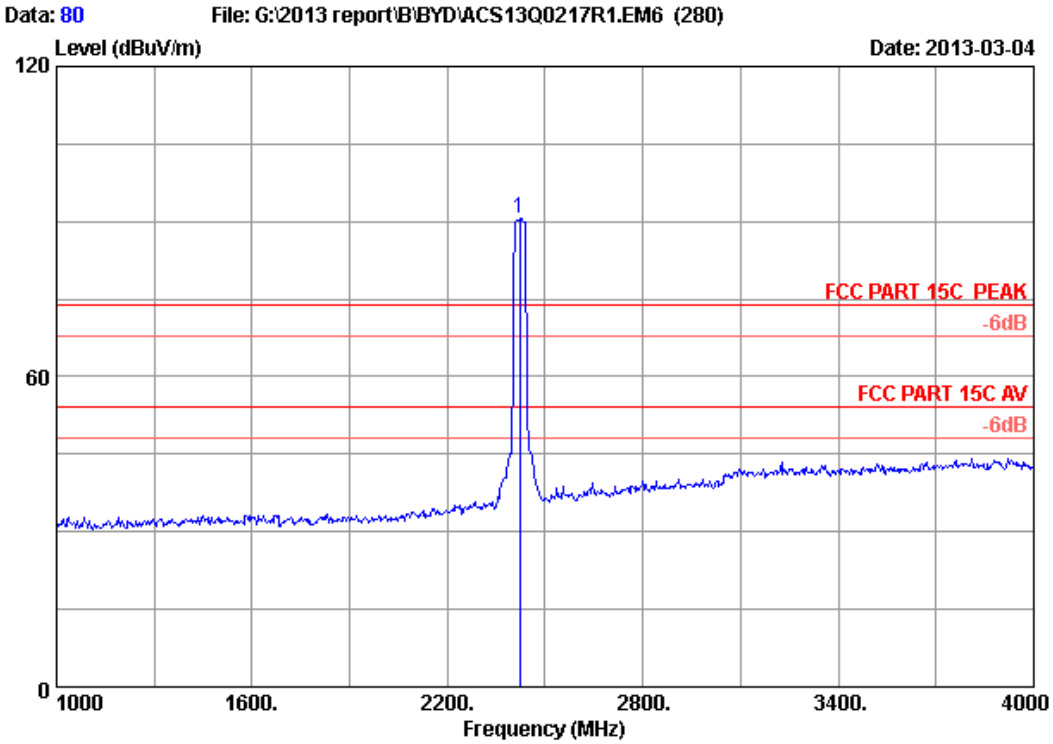
Remarks:
1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 79
Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : VERTICAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23*C/54% Engineer : Leo-Li
EUT : HP Slate 7
Power supply : DC 5V From Adapter Input AC 120V/60Hz
Test mode : IEEE802.11nHT40 CH1 2422MHz Tx Mode
M/N : SUN-B12
:

	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2422.000	26.90	6.05	35.92	87.46	84.49	74.00	-10.49	Peak

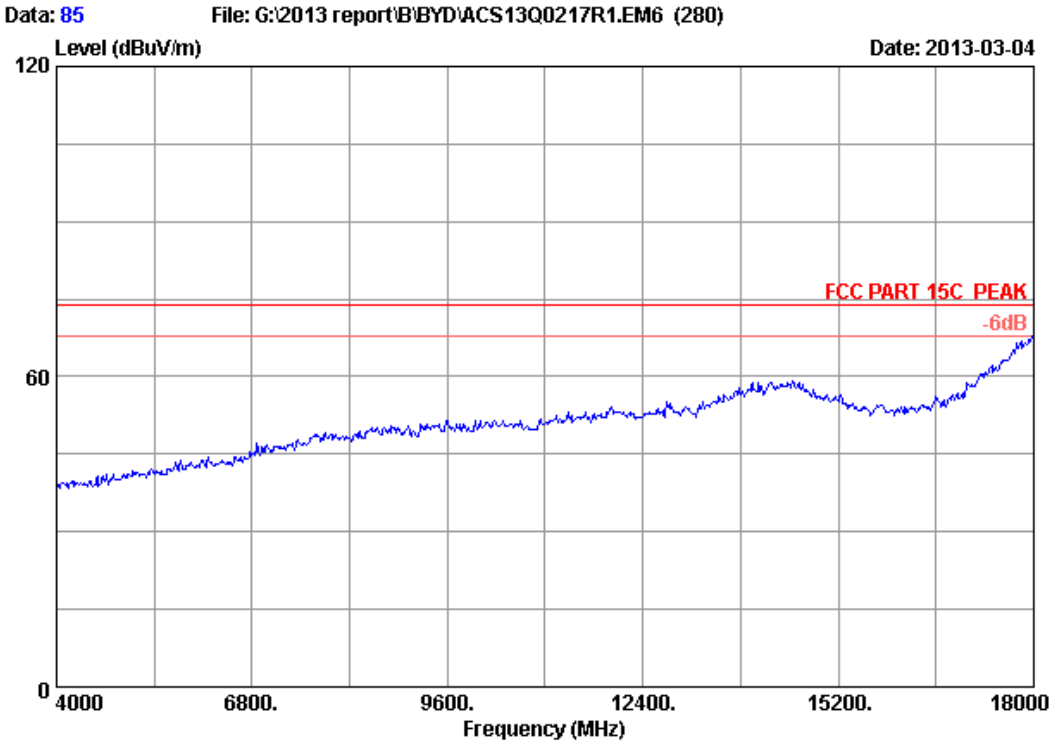
Remarks:
1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.



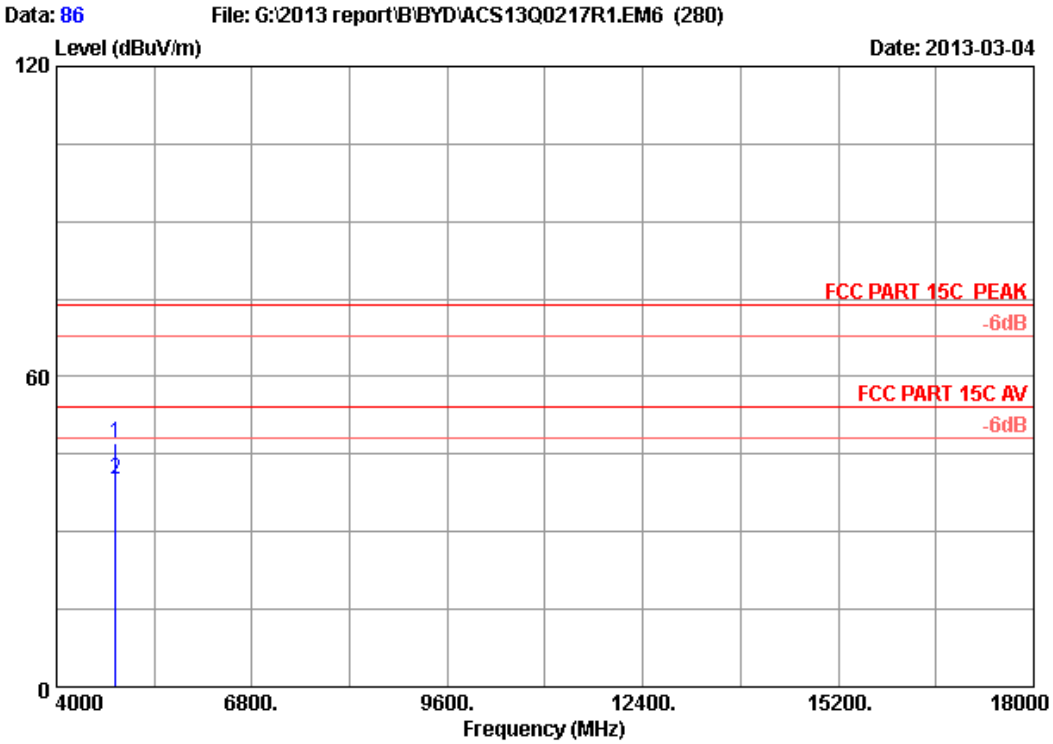
Site no. : 3m Chamber Data no. : 80
Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : HORIZONTAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23*C/54% Engineer : Leo-Li
EUT : HP Slate 7
Power supply : DC 5V From Adapter Input AC 120V/60Hz
Test mode : IEEE802.11nHT40 CH1 2422MHz Tx Mode
M/N : SUN-B12
:

	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2422.000	26.90	6.05	35.92	93.55	90.58	74.00	-16.58	Peak

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



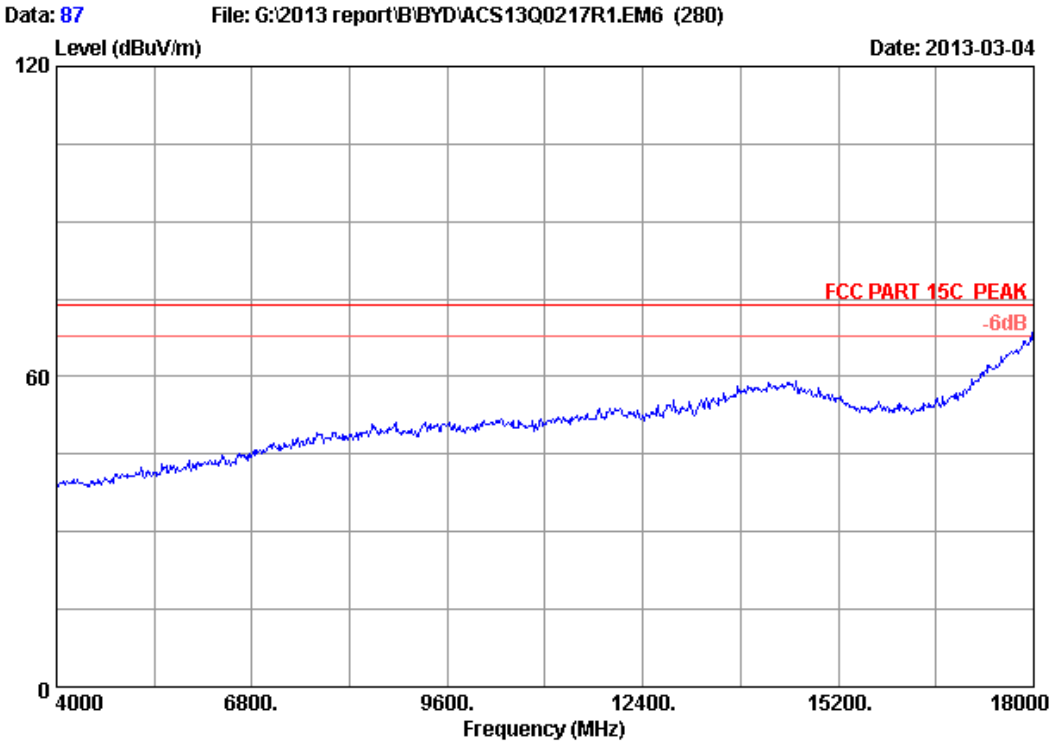

```
Site no.      : 3m Chamber                Data no.   : 85
Dis. / Ant.   : 3m   2012 3115 (4580)     Ant. pol.  : VERTICAL
Limit         : FCC PART 15C  PEAK
Env. / Ins.   : 23*C/54%                  Engineer   : Leo-Li
EUT           : HP Slate 7
Power supply  : DC 5V From Adapter Input AC 120V/60Hz
Test mode     : IEEE802.11nHT40  CH1  2422MHz Tx Mode
M/N           : SUN-B12
              :
```



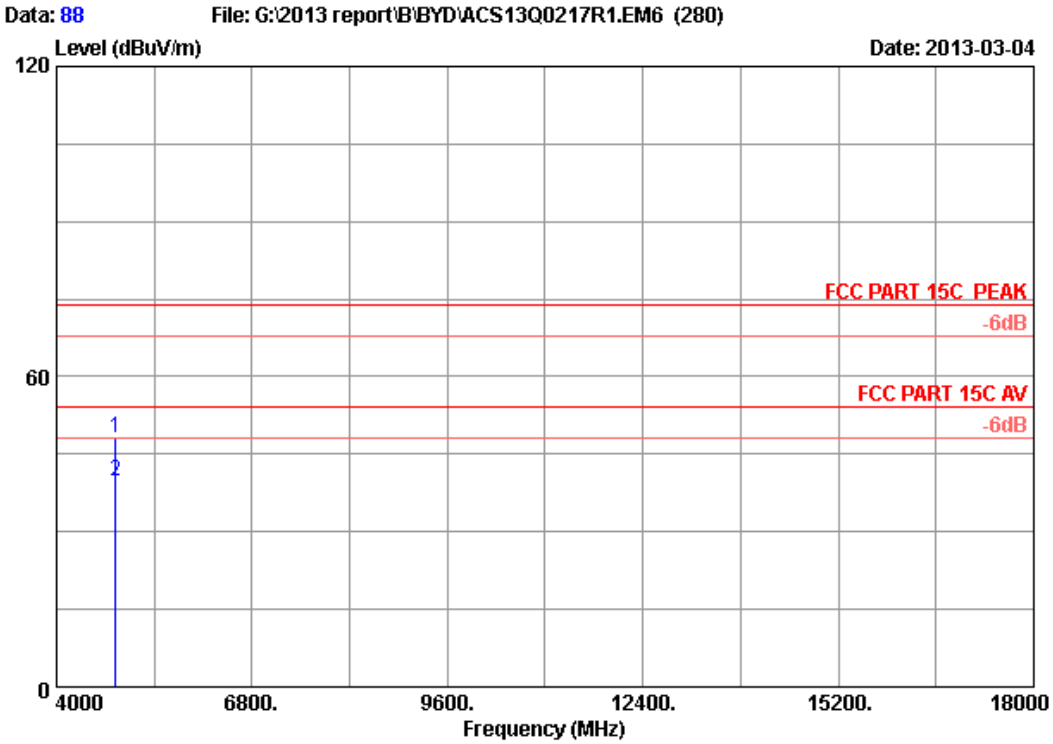
Site no. : 3m Chamber Data no. : 86
Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : VERTICAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23*C/54% Engineer : Leo-Li
EUT : HP Slate 7
Power supply : DC 5V From Adapter Input AC 120V/60Hz
Test mode : IEEE802.11nHT40 CH1 2422MHz Tx Mode
M/N : SUN-B12
:

	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	4844.000	32.56	8.70	35.70	41.68	47.24	74.00	26.76	Peak
2	4844.000	32.56	8.70	35.70	34.46	40.02	54.00	13.98	Average

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



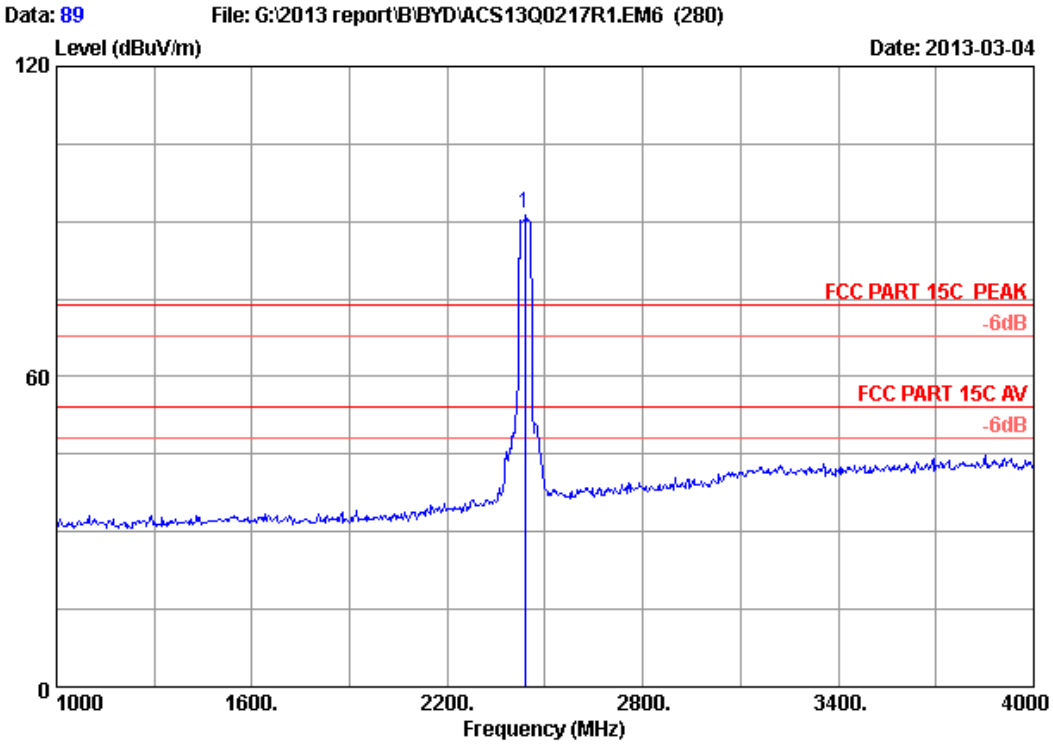

```
Site no.      : 3m Chamber                Data no.   : 87
Dis. / Ant.   : 3m   2012 3115 (4580)     Ant. pol.  : HORIZONTAL
Limit         : FCC PART 15C  PEAK
Env. / Ins.   : 23*C/54%                  Engineer   : Leo-Li
EUT           : HP Slate 7
Power supply  : DC 5V From Adapter Input AC 120V/60Hz
Test mode     : IEEE802.11nHT40  CH1  2422MHz Tx Mode
M/N           : SUN-B12
              :
```



Site no. : 3m Chamber Data no. : 88
Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : HORIZONTAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23*C/54% Engineer : Leo-Li
EUT : HP Slate 7
Power supply : DC 5V From Adapter Input AC 120V/60Hz
Test mode : IEEE802.11nHT40 CH1 2422MHz Tx Mode
M/N : SUN-B12
:

	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	4844.000	32.56	8.70	35.70	42.49	48.05	74.00	25.95	Peak
2	4844.000	32.56	8.70	35.70	34.36	39.92	54.00	14.08	Average

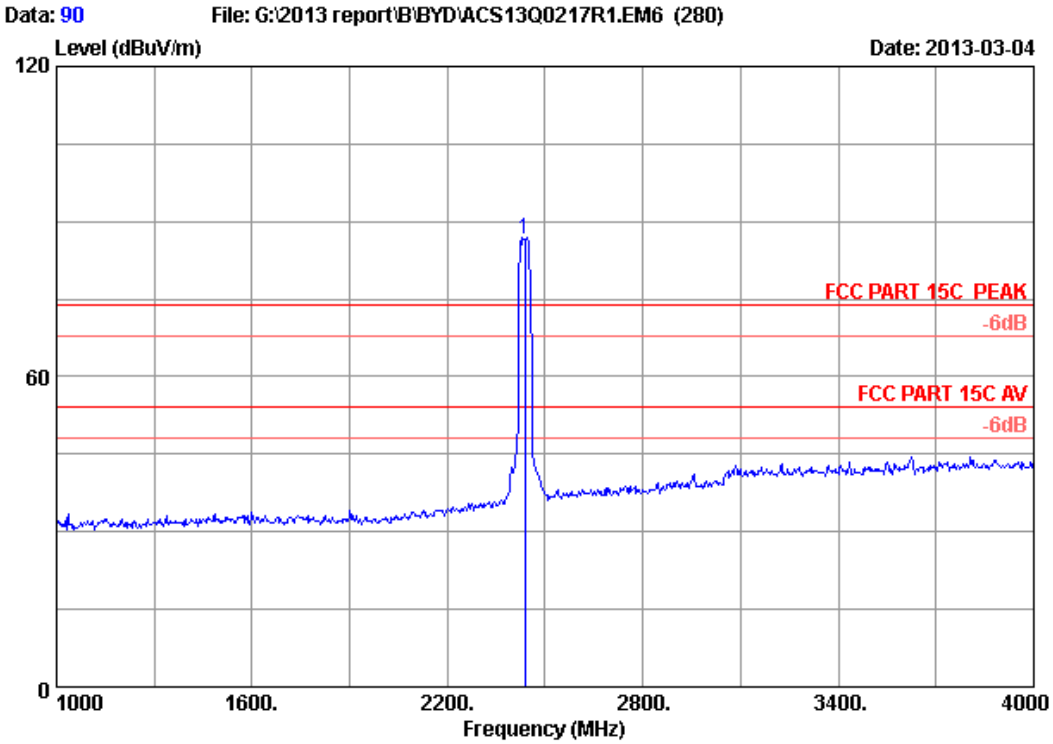
Remarks:
1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 89
Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : HORIZONTAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23*C/54% Engineer : Leo-Li
EUT : HP Slate 7
Power supply : DC 5V From Adapter Input AC 120V/60Hz
Test mode : IEEE802.11nHT40 CH4 2437MHz Tx Mode
M/N : SUN-B12
:

	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2437.000	27.00	6.08	35.92	94.38	91.54	74.00	-17.54	Peak

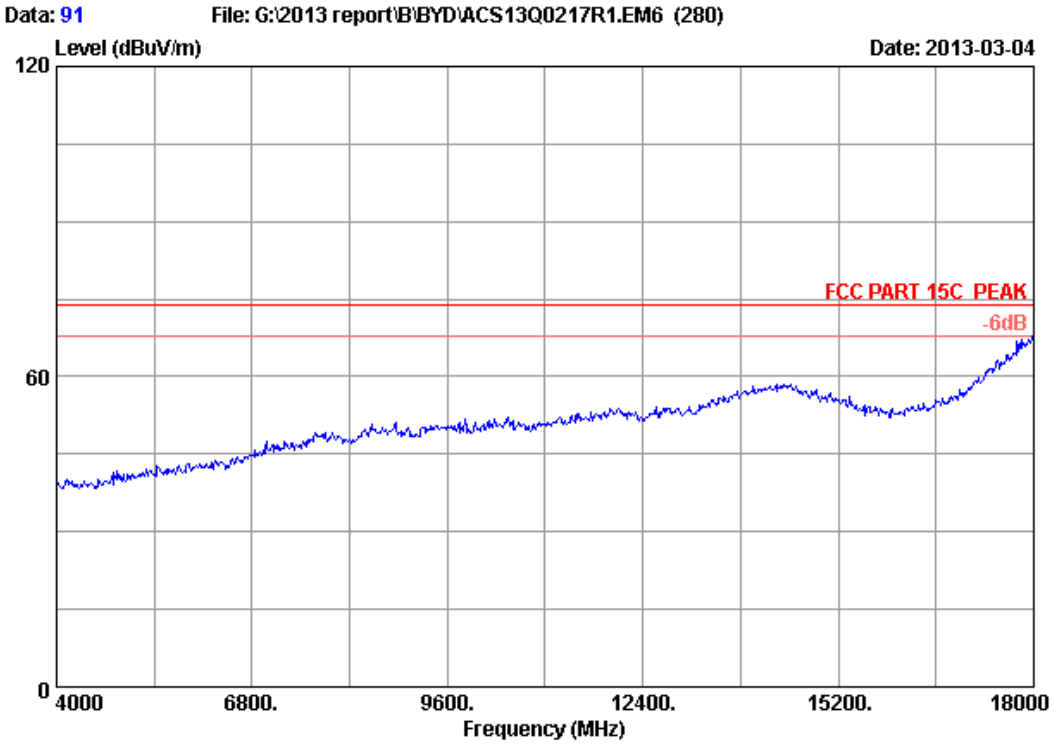
Remarks:
1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.



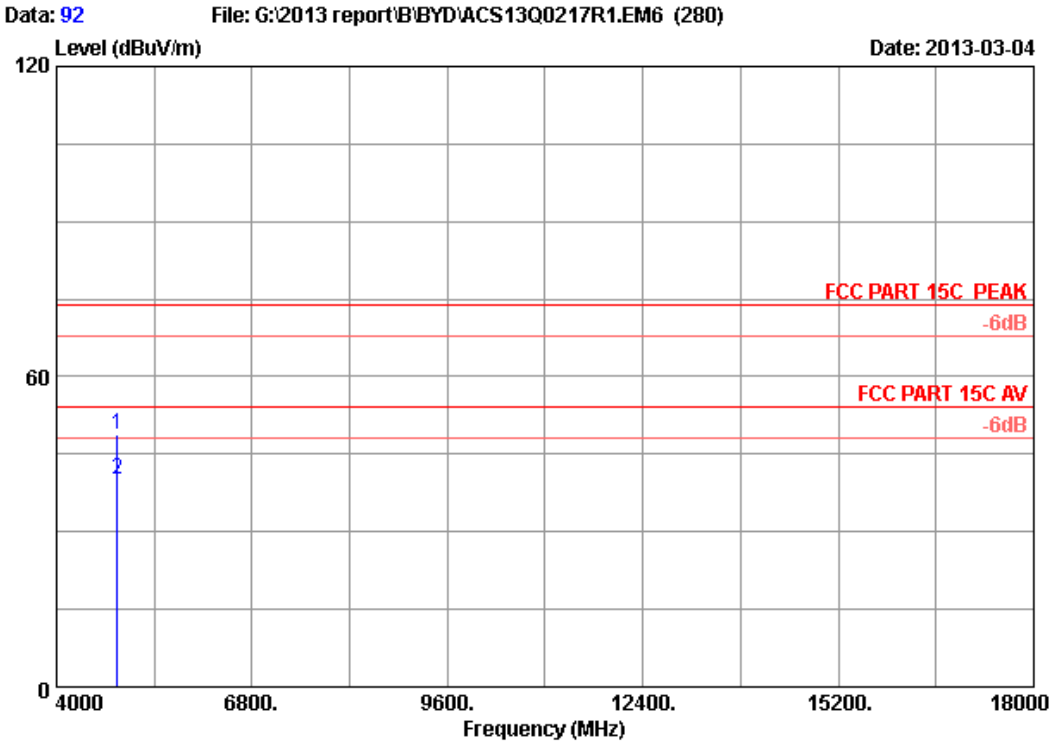
Site no. : 3m Chamber Data no. : 90
Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : VERTICAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23*C/54% Engineer : Leo-Li
EUT : HP Slate 7
Power supply : DC 5V From Adapter Input AC 120V/60Hz
Test mode : IEEE802.11nHT40 CH4 2437MHz Tx Mode
M/N : SUN-B12
:

	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2437.000	27.00	6.08	35.92	89.49	86.65	74.00	-12.65	Peak

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



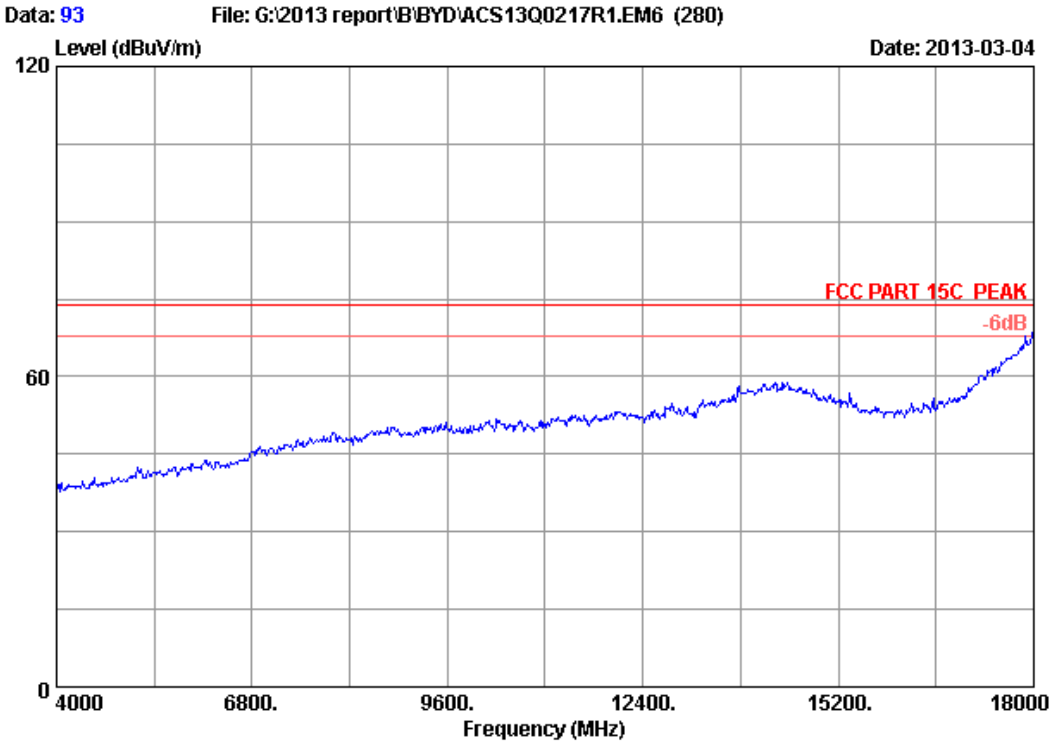

```
Site no.      : 3m Chamber                Data no.   : 91
Dis. / Ant.   : 3m   2012 3115 (4580)     Ant. pol.  : VERTICAL
Limit         : FCC PART 15C  PEAK
Env. / Ins.   : 23*C/54%                  Engineer   : Leo-Li
EUT           : HP Slate 7
Power supply  : DC 5V From Adapter Input AC 120V/60Hz
Test mode     : IEEE802.11nHT40  CH4  2437MHz Tx Mode
M/N           : SUN-B12
              :
```



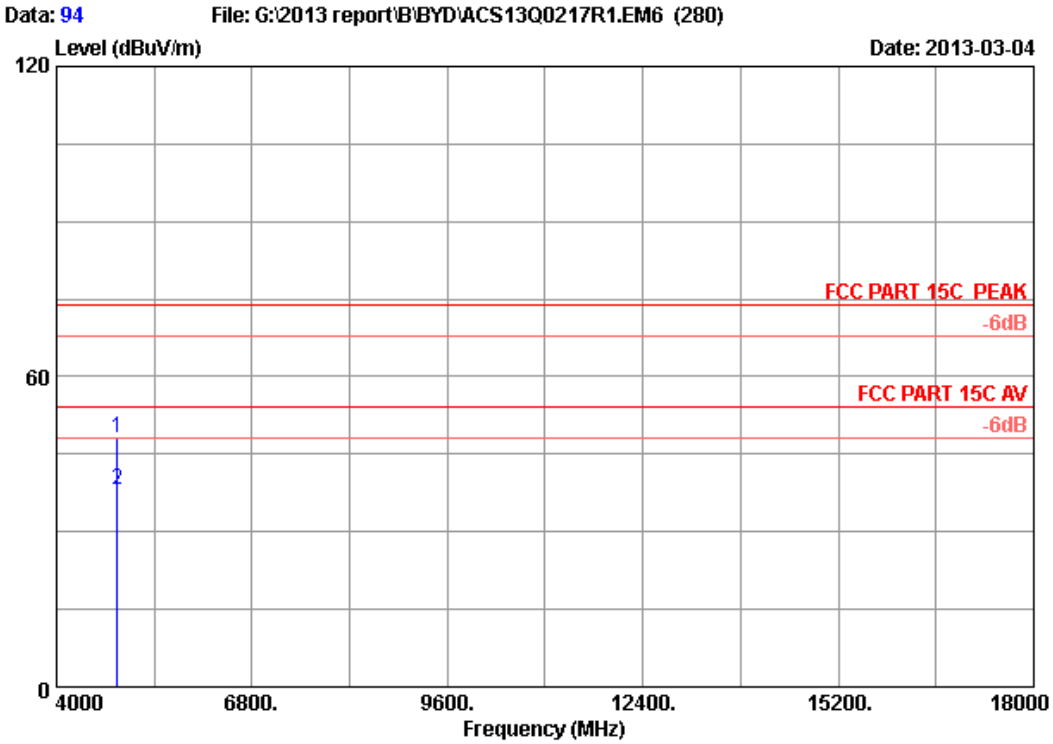
Site no. : 3m Chamber Data no. : 92
Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : VERTICAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23*C/54% Engineer : Leo-Li
EUT : HP Slate 7
Power supply : DC 5V From Adapter Input AC 120V/60Hz
Test mode : IEEE802.11nHT40 CH4 2437MHz Tx Mode
M/N : SUN-B12
:

	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	4874.000	32.62	8.73	35.69	43.28	48.94	74.00	25.06	Peak
2	4874.000	32.62	8.73	35.69	34.38	40.04	54.00	13.96	Average

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



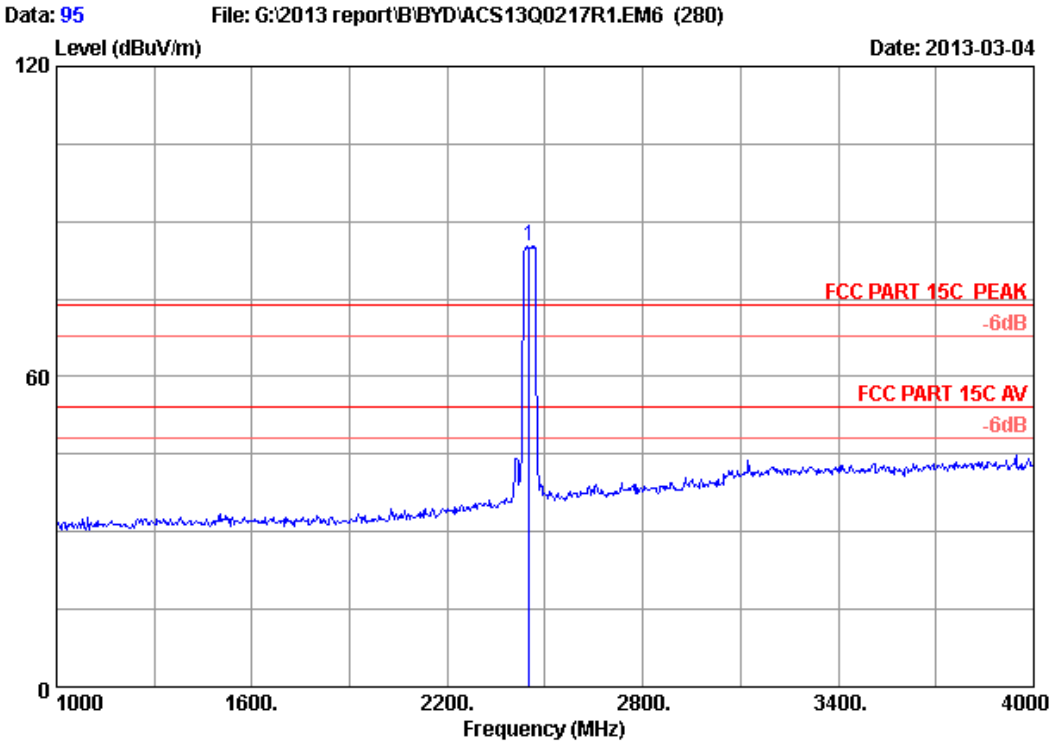

```
Site no.      : 3m Chamber                Data no.   : 93
Dis. / Ant.   : 3m   2012 3115 (4580)     Ant. pol.  : HORIZONTAL
Limit         : FCC PART 15C  PEAK
Env. / Ins.   : 23*C/54%                  Engineer   : Leo-Li
EUT           : HP Slate 7
Power supply  : DC 5V From Adapter Input AC 120V/60Hz
Test mode     : IEEE802.11nHT40  CH4  2437MHz Tx Mode
M/N           : SUN-B12
              :
```



Site no. : 3m Chamber Data no. : 94
Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : HORIZONTAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23*C/54% Engineer : Leo-Li
EUT : HP Slate 7
Power supply : DC 5V From Adapter Input AC 120V/60Hz
Test mode : IEEE802.11nHT40 CH4 2437MHz Tx Mode
M/N : SUN-B12
:

	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	4874.000	32.62	8.73	35.69	42.53	48.19	74.00	25.81	Peak
2	4874.000	32.62	8.73	35.69	32.31	37.97	54.00	16.03	Average

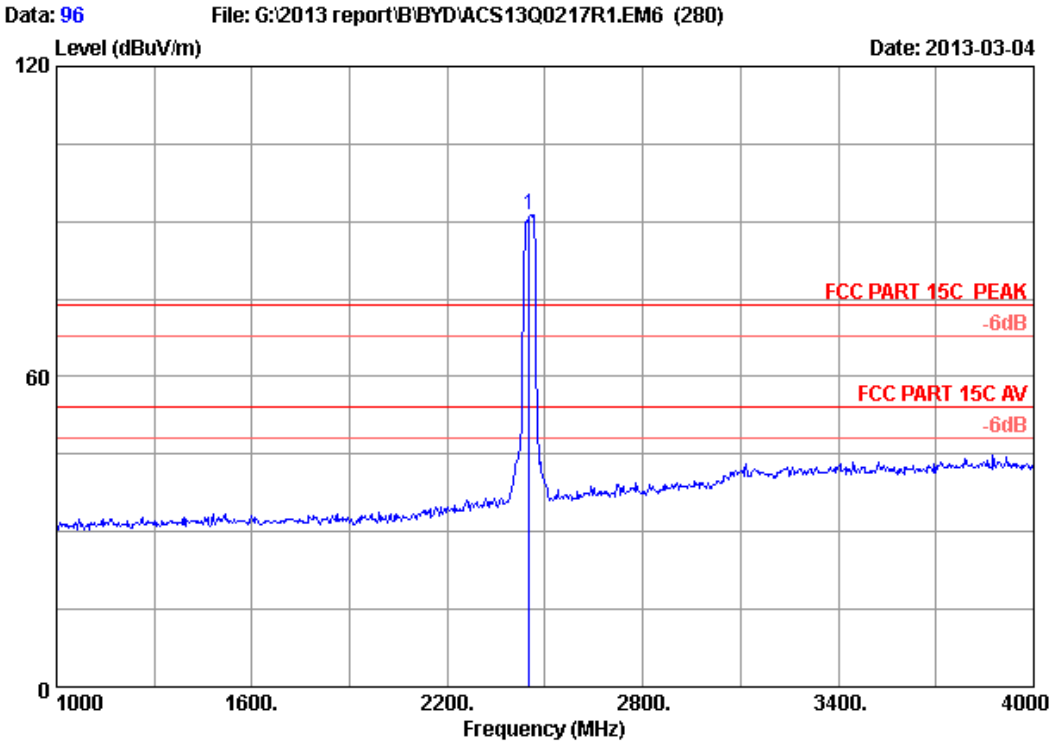
Remarks:
1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 95
Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : VERTICAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23*C/54% Engineer : Leo-Li
EUT : HP Slate 7
Power supply : DC 5V From Adapter Input AC 120V/60Hz
Test mode : IEEE802.11nHT40 CH7 2452MHz Tx Mode
M/N : SUN-B12
:

	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2452.000	27.09	6.11	35.92	88.01	85.29	74.00	-11.29	Peak

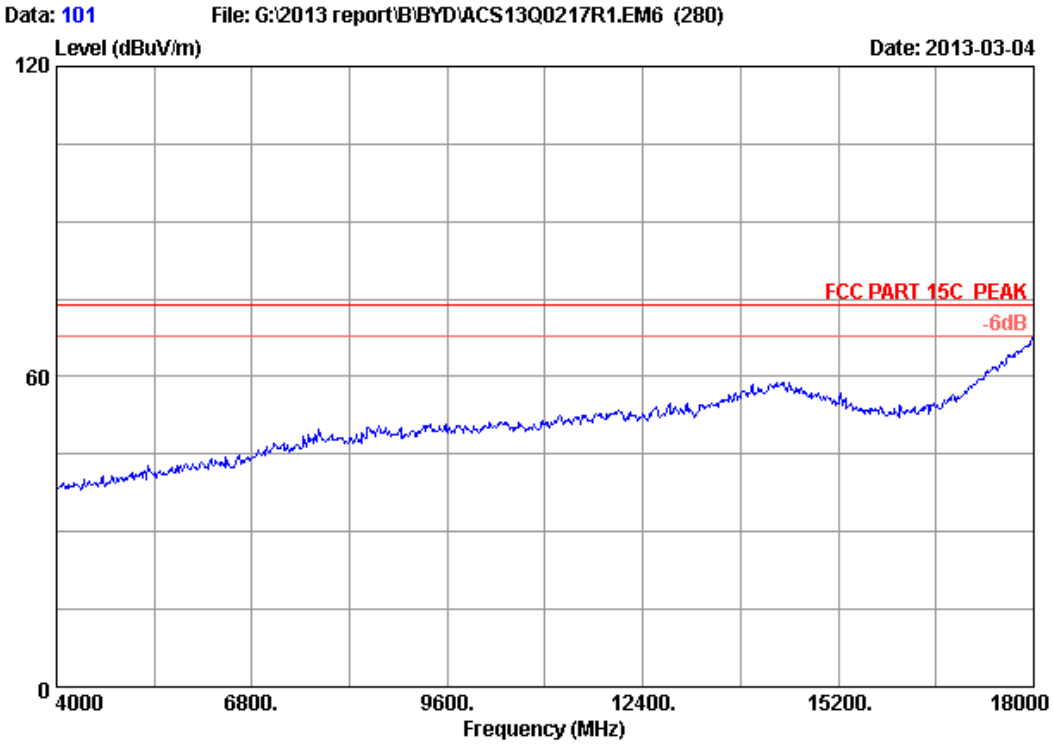
Remarks:
1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.



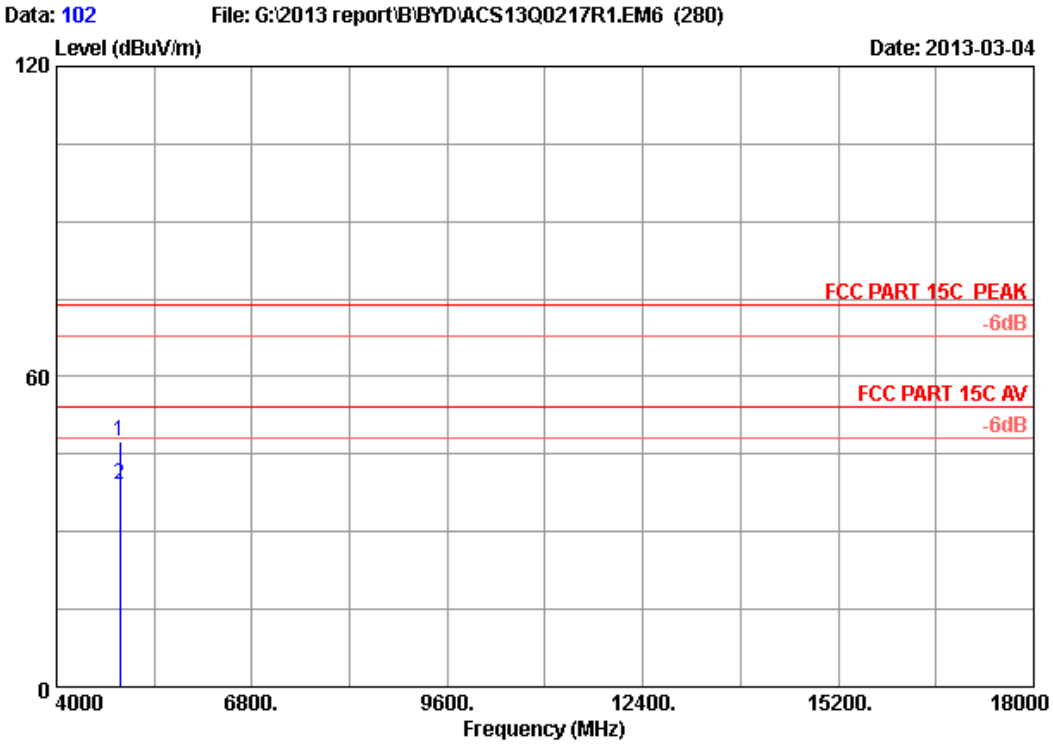
Site no. : 3m Chamber Data no. : 96
Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : HORIZONTAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23*C/54% Engineer : Leo-Li
EUT : HP Slate 7
Power supply : DC 5V From Adapter Input AC 120V/60Hz
Test mode : IEEE802.11nHT40 CH7 2452MHz Tx Mode
M/N : SUN-B12
:

	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2452.000	27.09	6.11	35.92	93.87	91.15	74.00	-17.15	Peak

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



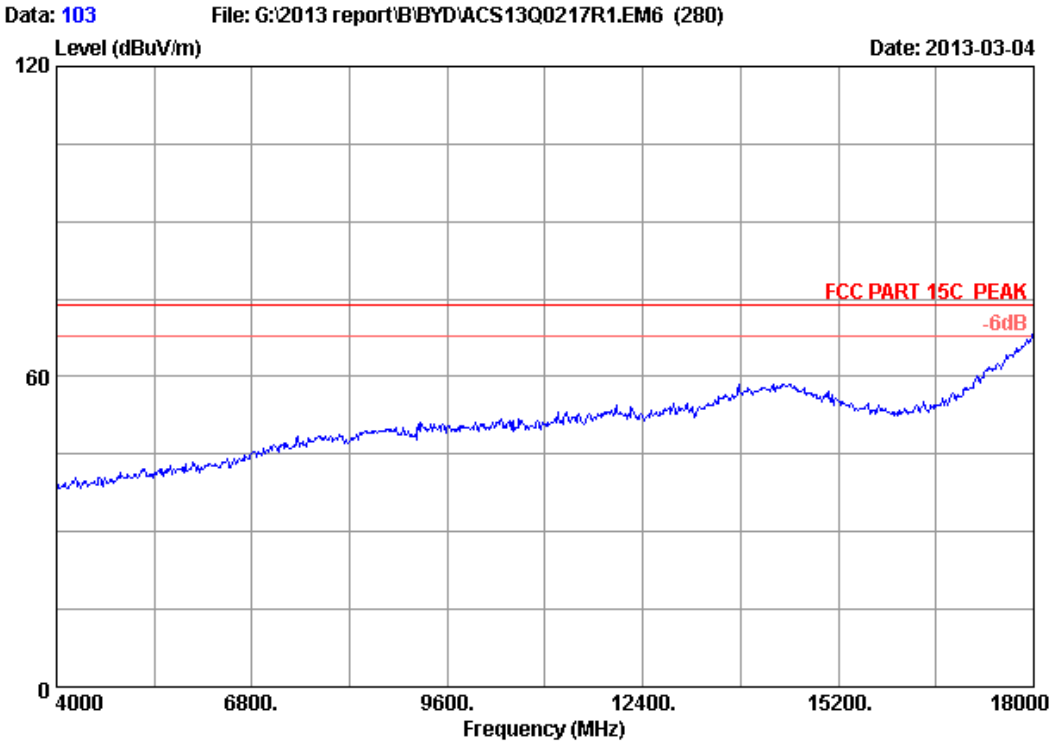

```
Site no.      : 3m Chamber                Data no.   : 101
Dis. / Ant.   : 3m   2012 3115 (4580)     Ant. pol.  : VERTICAL
Limit         : FCC PART 15C  PEAK
Env. / Ins.   : 23*C/54%                  Engineer   : Leo-Li
EUT           : HP Slate 7
Power supply  : DC 5V From Adapter Input AC 120V/60Hz
Test mode     : IEEE802.11nHT40  CH7  2452MHz Tx Mode
M/N           : SUN-B12
              :
```



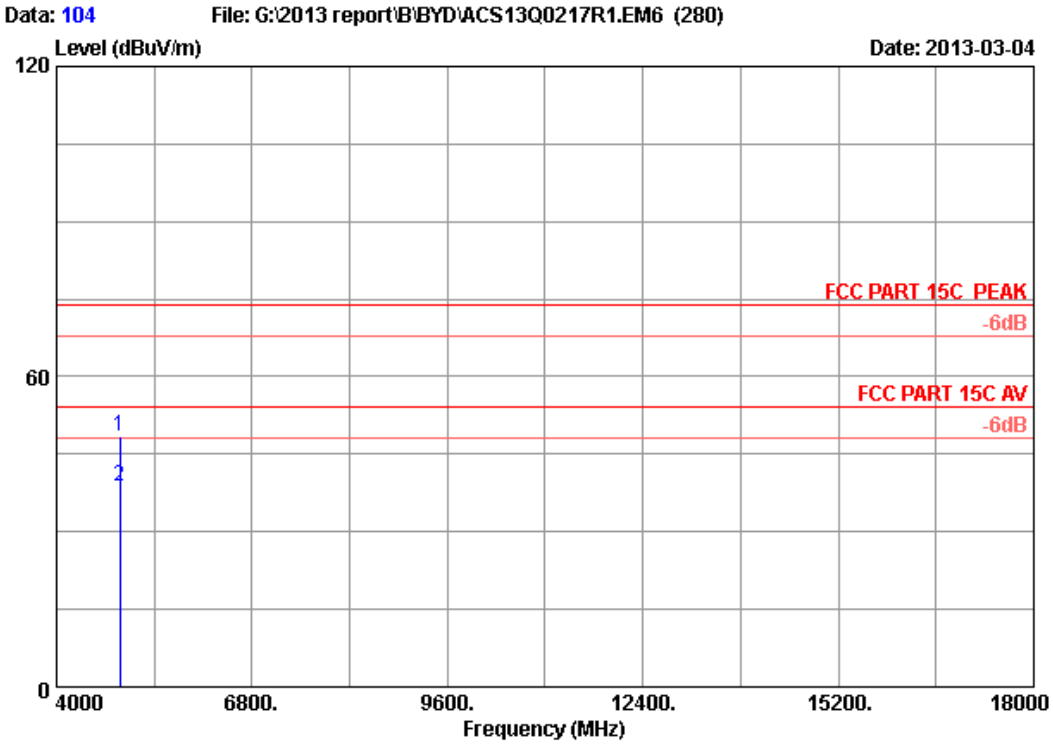
Site no. : 3m Chamber Data no. : 102
Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : VERTICAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23*C/54% Engineer : Leo-Li
EUT : HP Slate 7
Power supply : DC 5V From Adapter Input AC 120V/60Hz
Test mode : IEEE802.11nHT40 CH7 2452MHz Tx Mode
M/N : SUN-B12
:

	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	4904.000	32.69	8.76	35.68	41.72	47.49	74.00	26.51	Peak
2	4904.000	32.69	8.76	35.68	33.17	38.94	54.00	15.06	Average

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




```
Site no.      : 3m Chamber                Data no.   : 103
Dis. / Ant.   : 3m   2012 3115 (4580)     Ant. pol.  : HORIZONTAL
Limit         : FCC PART 15C  PEAK
Env. / Ins.   : 23*C/54%                  Engineer   : Leo-Li
EUT           : HP Slate 7
Power supply  : DC 5V From Adapter Input AC 120V/60Hz
Test mode     : IEEE802.11nHT40  CH7  2452MHz Tx Mode
M/N           : SUN-B12
              :
```



Site no. : 3m Chamber Data no. : 104
Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : HORIZONTAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23*C/54% Engineer : Leo-Li
EUT : HP Slate 7
Power supply : DC 5V From Adapter Input AC 120V/60Hz
Test mode : IEEE802.11nHT40 CH7 2452MHz Tx Mode
M/N : SUN-B12
:

	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	4904.000	32.69	8.76	35.68	42.56	48.33	74.00	25.67	Peak
2	4904.000	32.69	8.76	35.68	33.15	38.92	54.00	15.08	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.

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.08,12	1 Year
2.	Attenuator	Agilent	8491B	MY39262165	May.08,12	1 Year
3.	RF Cable	Hubersuhner	SUCOFLEX102	28618/2	May.08,12	1Year

5.2. Limit

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

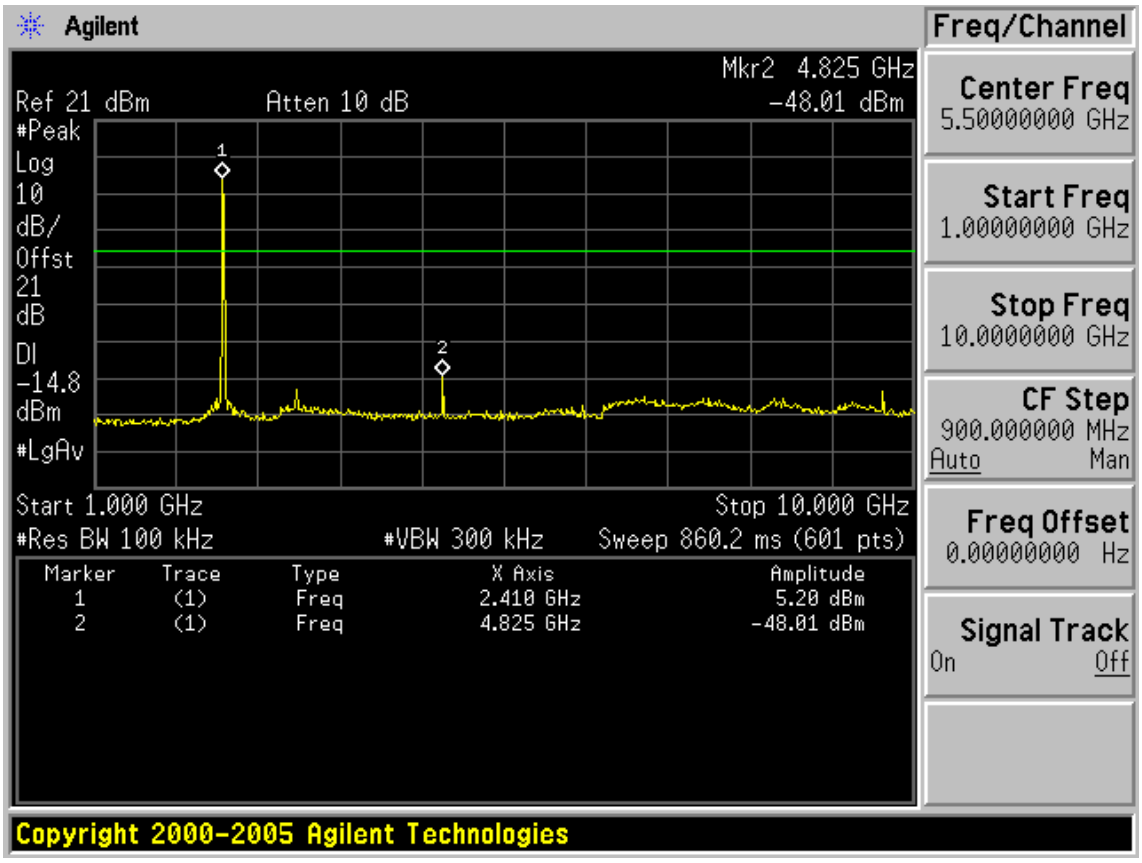
5.3. Test Procedure

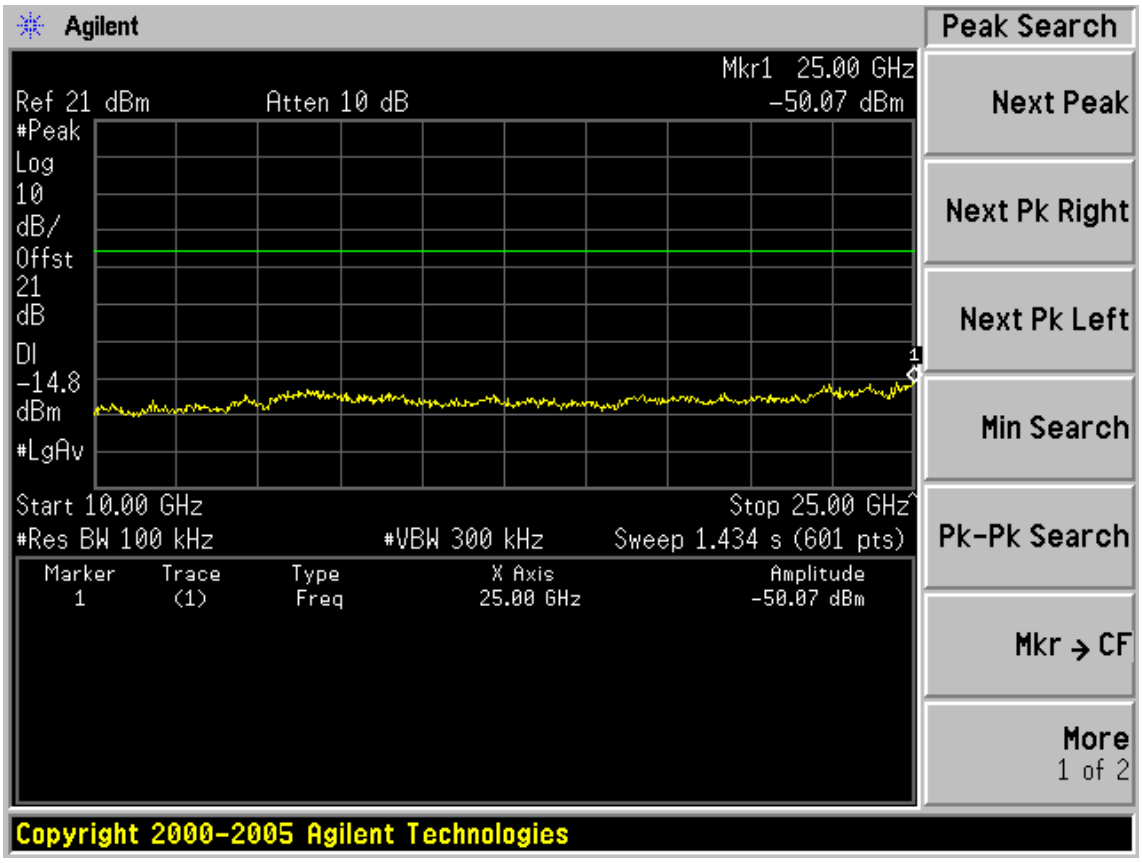
The transmitter output was connected to a spectrum analyzer, The resolution bandwidth is set to 100 kHz, The video bandwidth is set to 300 kHz and measure all the emissions detected.

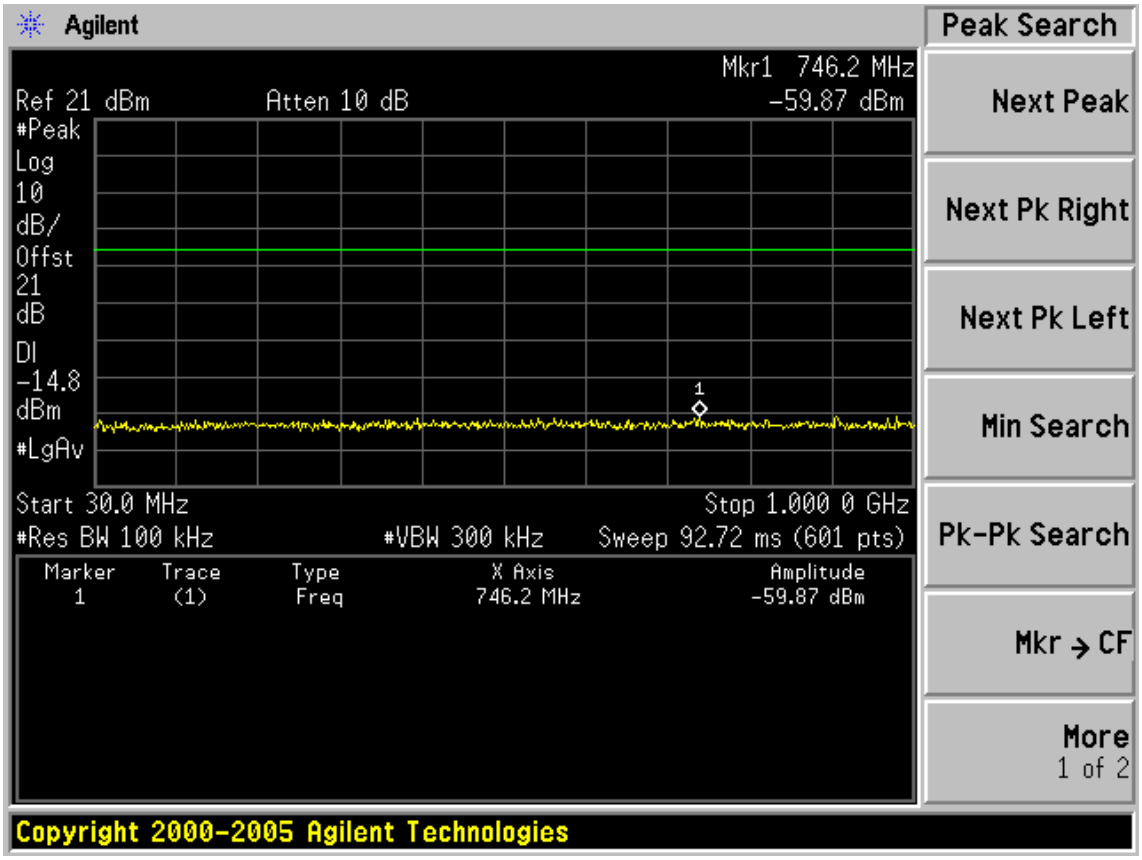
Conducted emission test data:

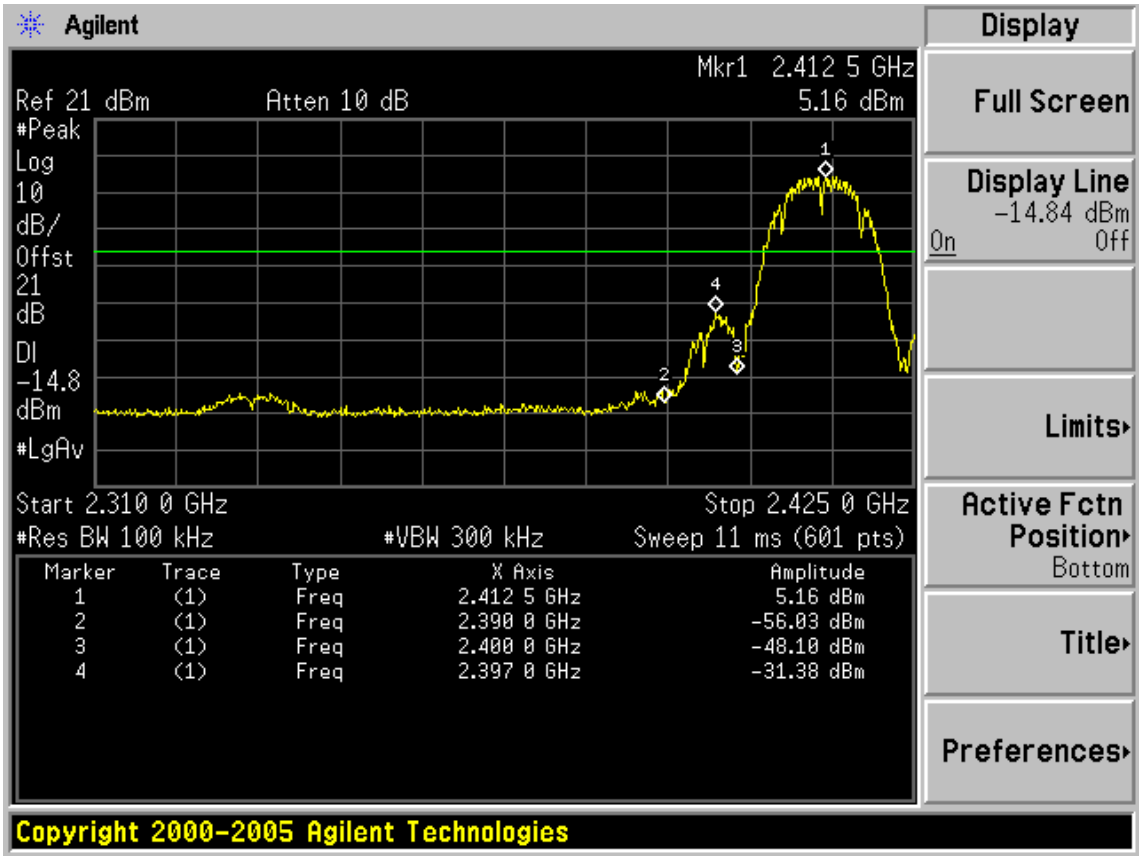
Test Mode: IEEE 802.11b

Test CH1: 2412MHz

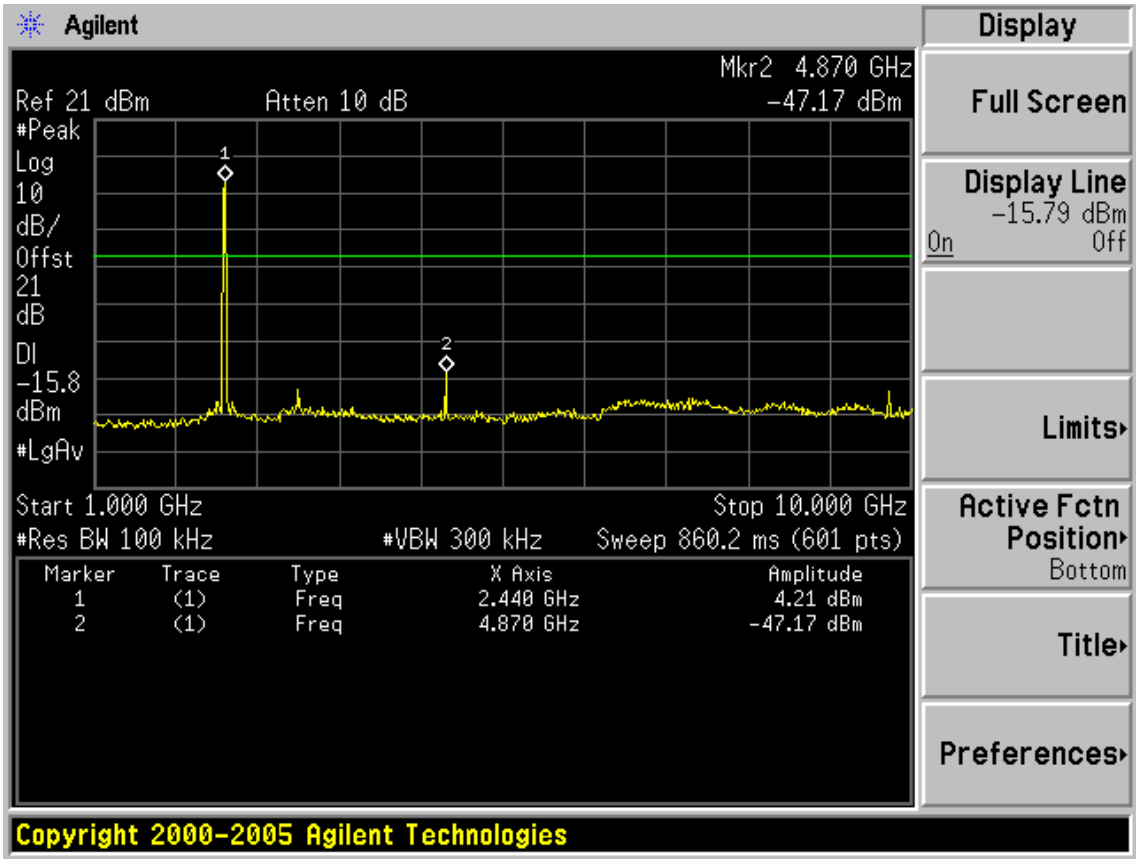


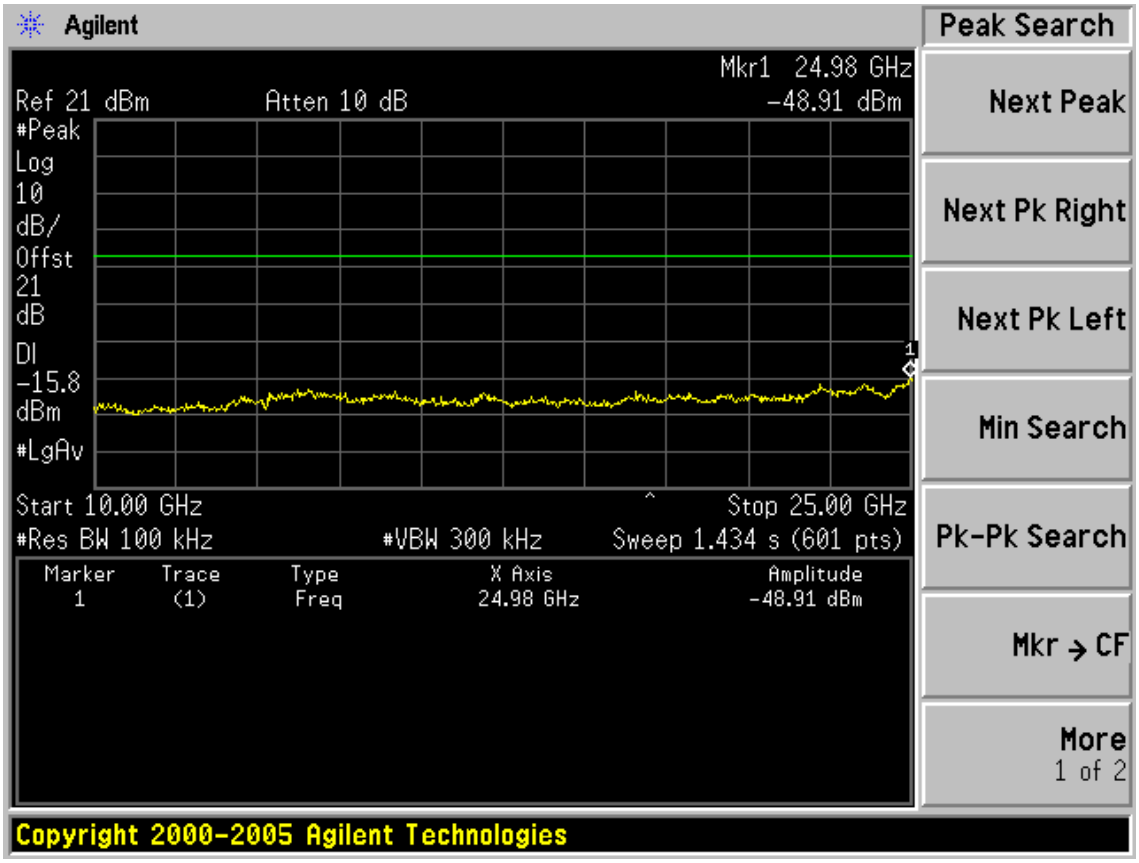


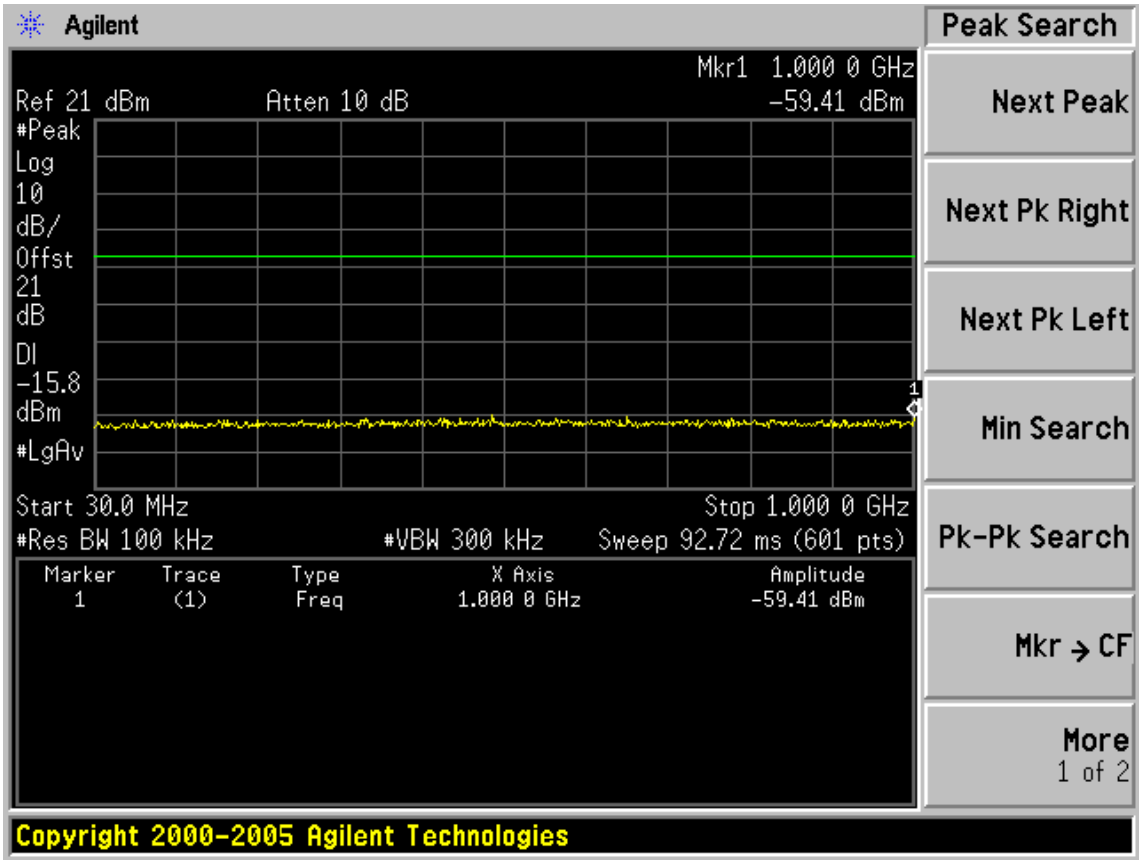

Agilent
Peak Search
Mkr1 746.2 MHz
Ref 21 dBm
Atten 10 dB
-59.87 dBm
#Peak
Log
10
dB/
Offst
21
dB
Dl
-14.8
dBm
#LgAv
Next Peak
Next Pk Right
Next Pk Left
Min Search
Pk-Pk Search
Mkr → CF
More
1 of 2
Start 30.0 MHz
Stop 1.000 0 GHz
#Res BW 100 kHz
#VBW 300 kHz
Sweep 92.72 ms (601 pts)
Marker Trace Type X Axis Amplitude
1 (1) Freq 746.2 MHz -59.87 dBm
Copyright 2000-2005 Agilent Technologies


Agilent
Display
Mkr1 2.412 5 GHz
Ref 21 dBm
Atten 10 dB
5.16 dBm
#Peak
Log
10
dB/
Offst
21
dB
Dl
-14.8
dBm
#LgAv
Full Screen
Display Line
-14.84 dBm
On Off
Limits
Active Fctn
Position
Bottom
Title
Preferences
Start 2.310 0 GHz
Stop 2.425 0 GHz
#Res BW 100 kHz
#VBW 300 kHz
Sweep 11 ms (601 pts)
Marker Trace Type X Axis Amplitude
1 (1) Freq 2.412 5 GHz 5.16 dBm
2 (1) Freq 2.390 0 GHz -56.03 dBm
3 (1) Freq 2.400 0 GHz -48.10 dBm
4 (1) Freq 2.397 0 GHz -31.38 dBm
Copyright 2000-2005 Agilent Technologies

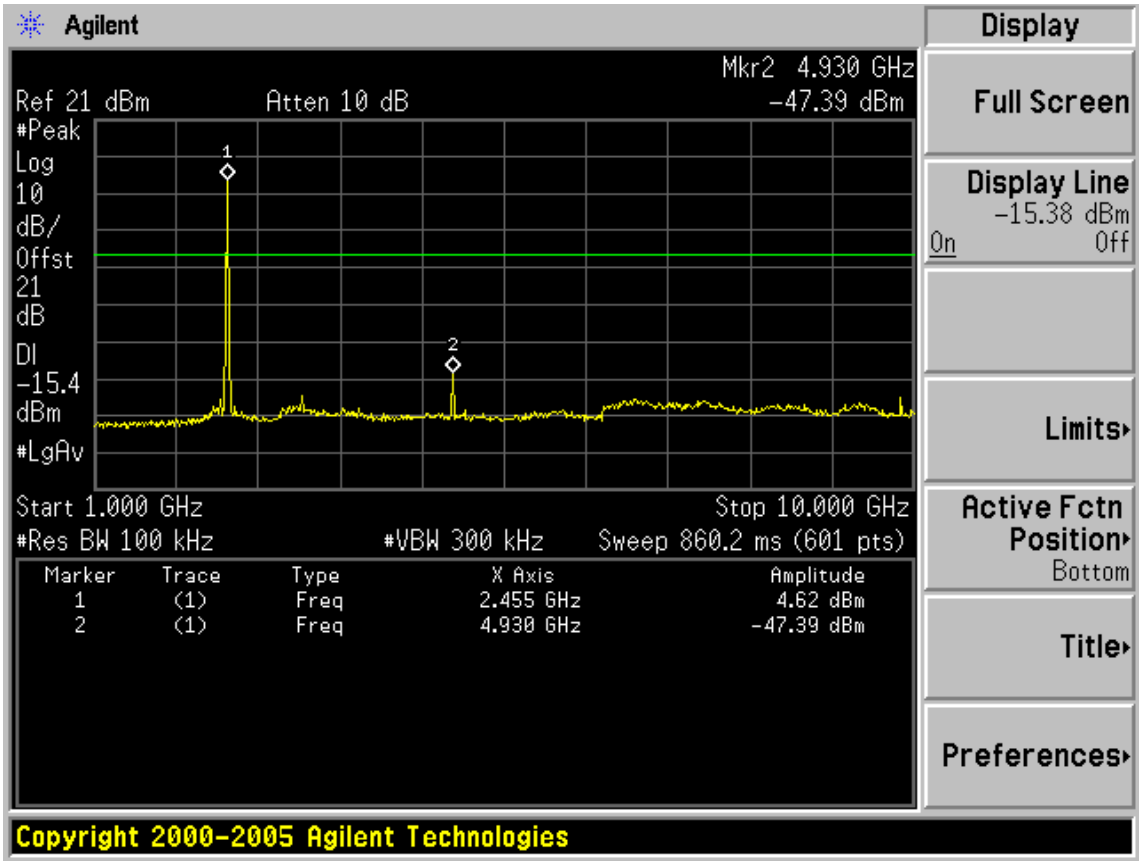
Test CH6: 2437MHz

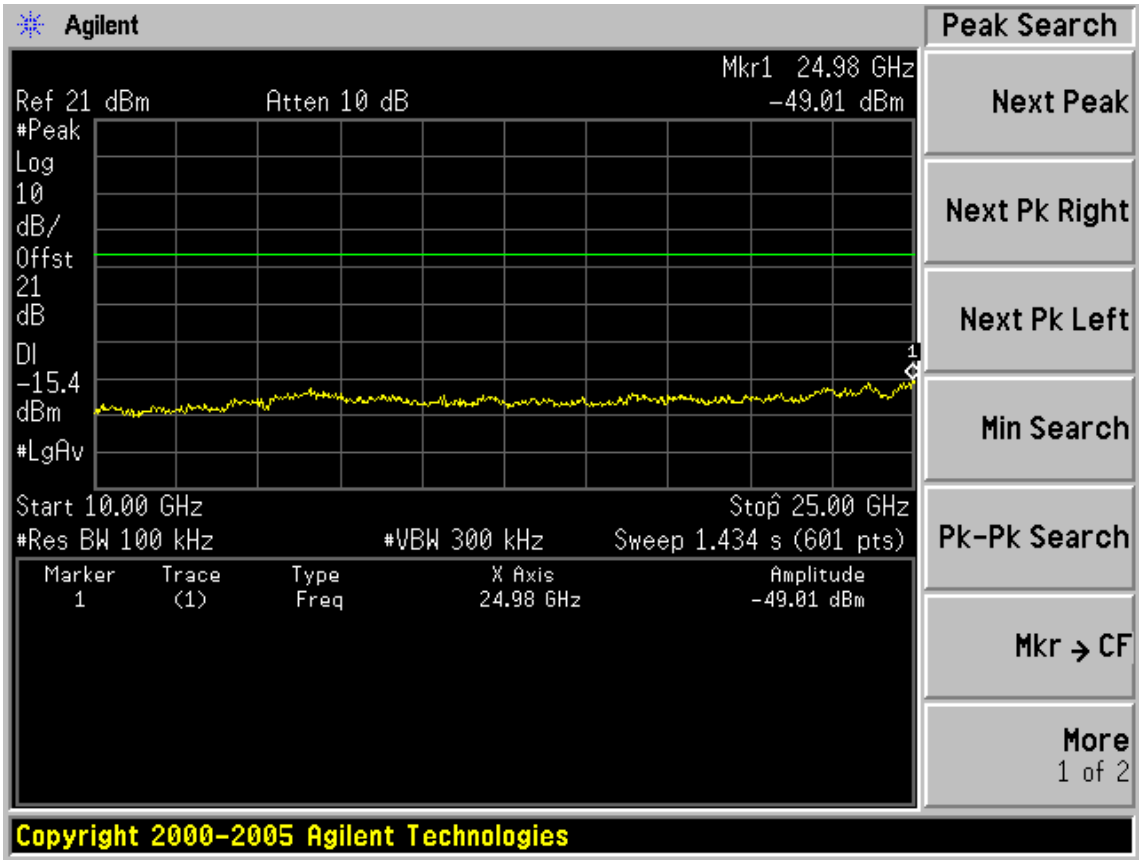


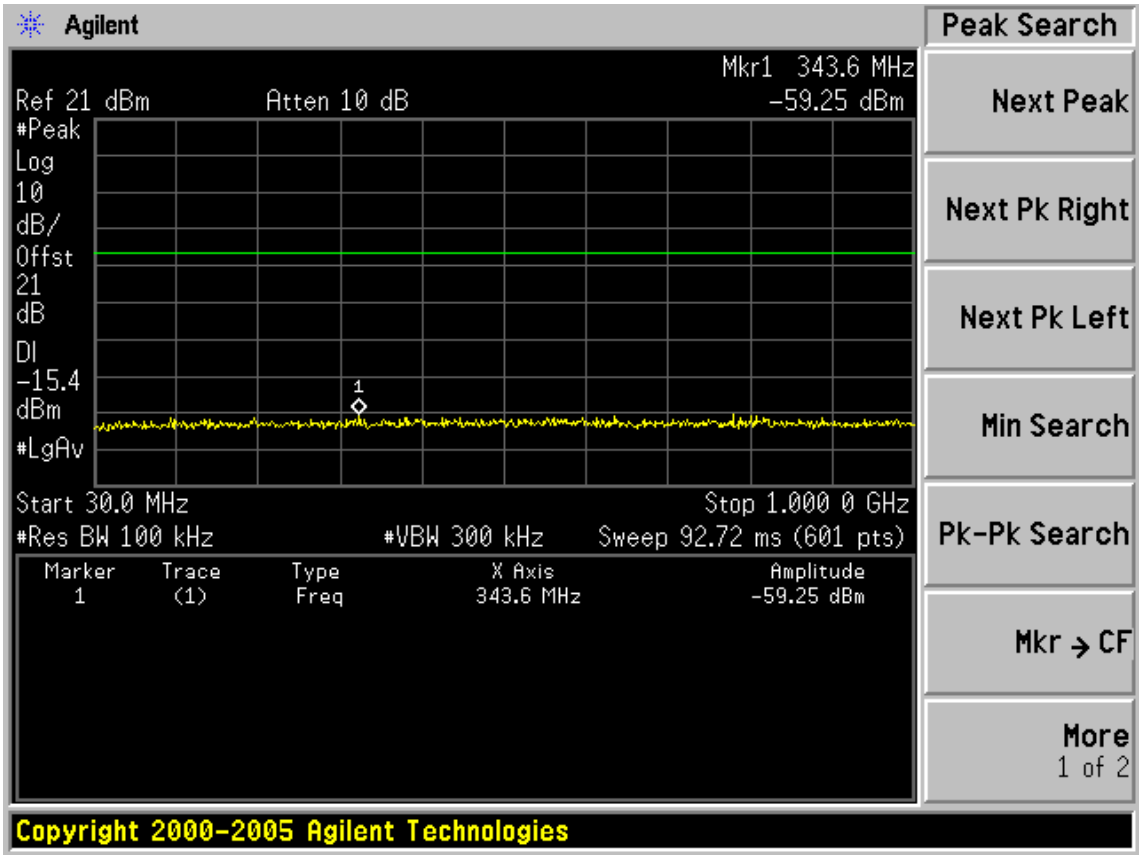


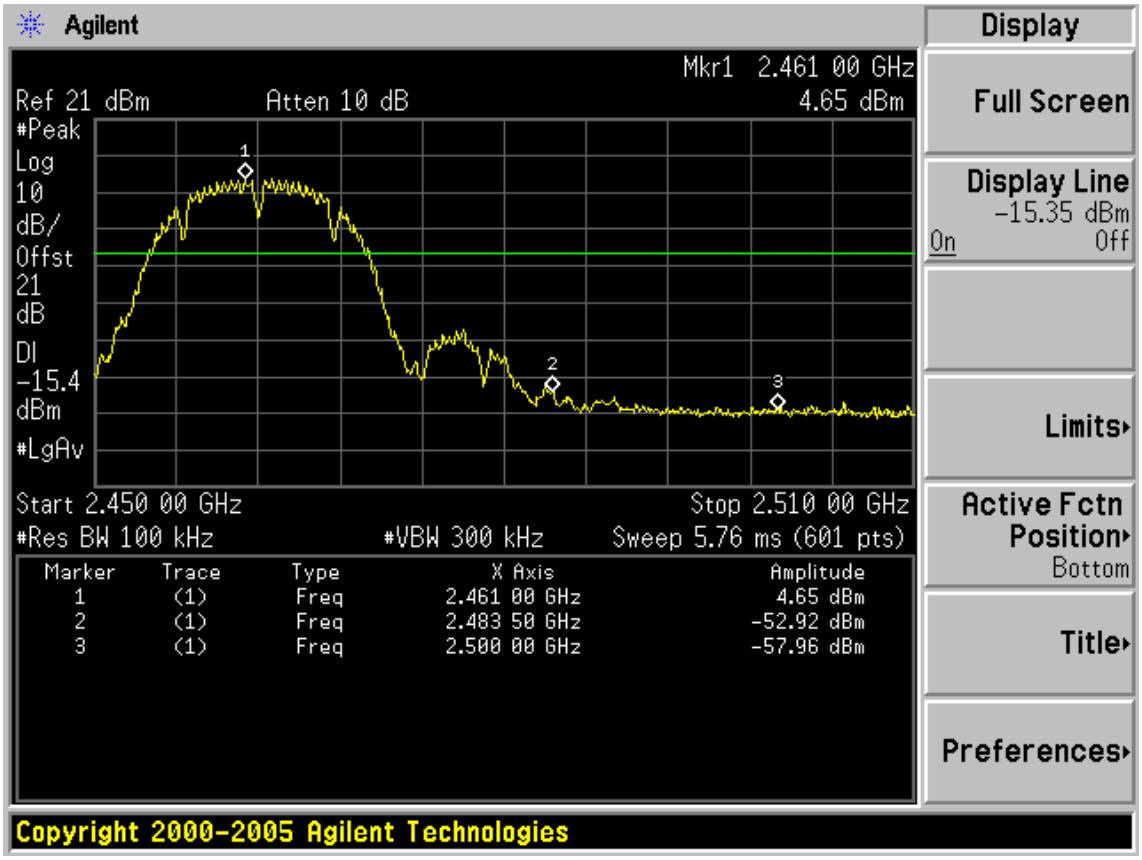


Test CH11: 2462MHz

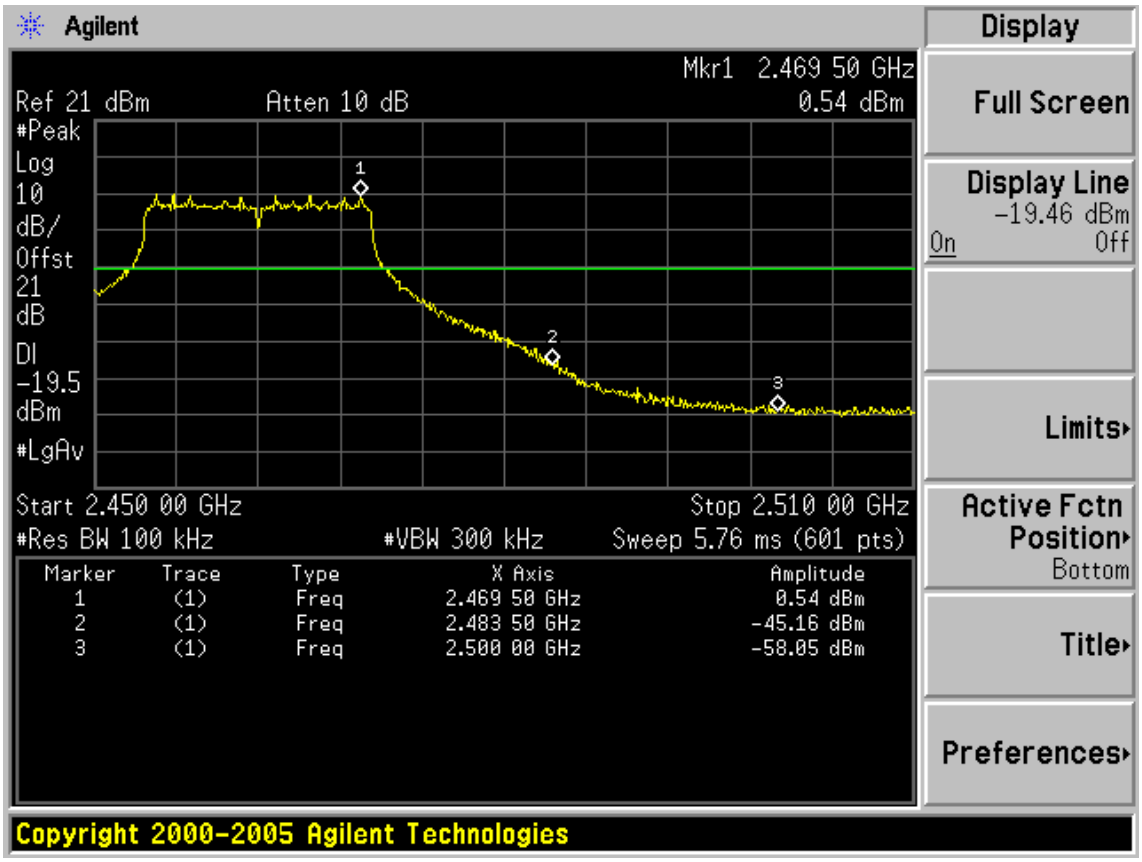


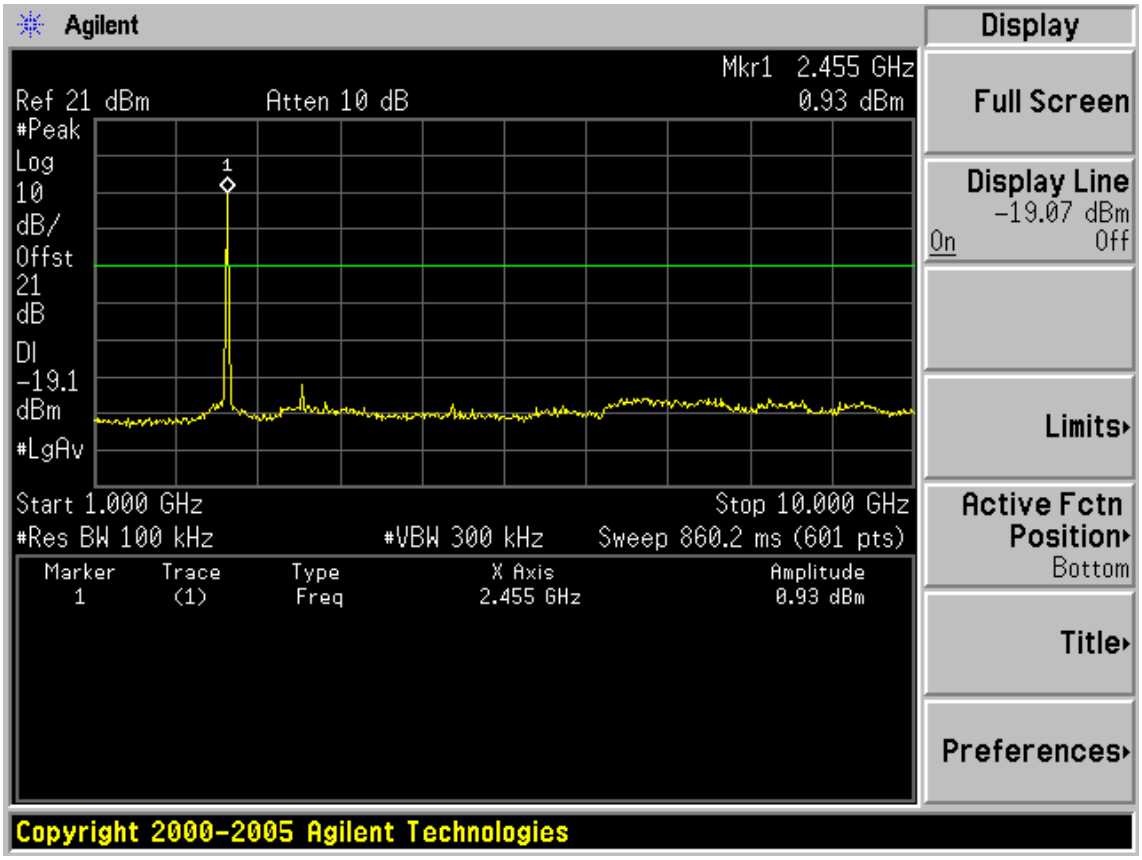

Agilent
Peak Search
Mkr1 24.98 GHz
Ref 21 dBm
Atten 10 dB
-49.01 dBm
#Peak
Log
10
dB/
Offst
21
dB
Dl
-15.4
dBm
#LgAv
Next Peak
Next Pk Right
Next Pk Left
Min Search
Pk-Pk Search
Mkr → CF
More
1 of 2
Start 10.00 GHz
Stop 25.00 GHz
#Res BW 100 kHz
#VBW 300 kHz
Sweep 1.434 s (601 pts)
Marker Trace Type X Axis Amplitude
1 (1) Freq 24.98 GHz -49.01 dBm
Copyright 2000-2005 Agilent Technologies

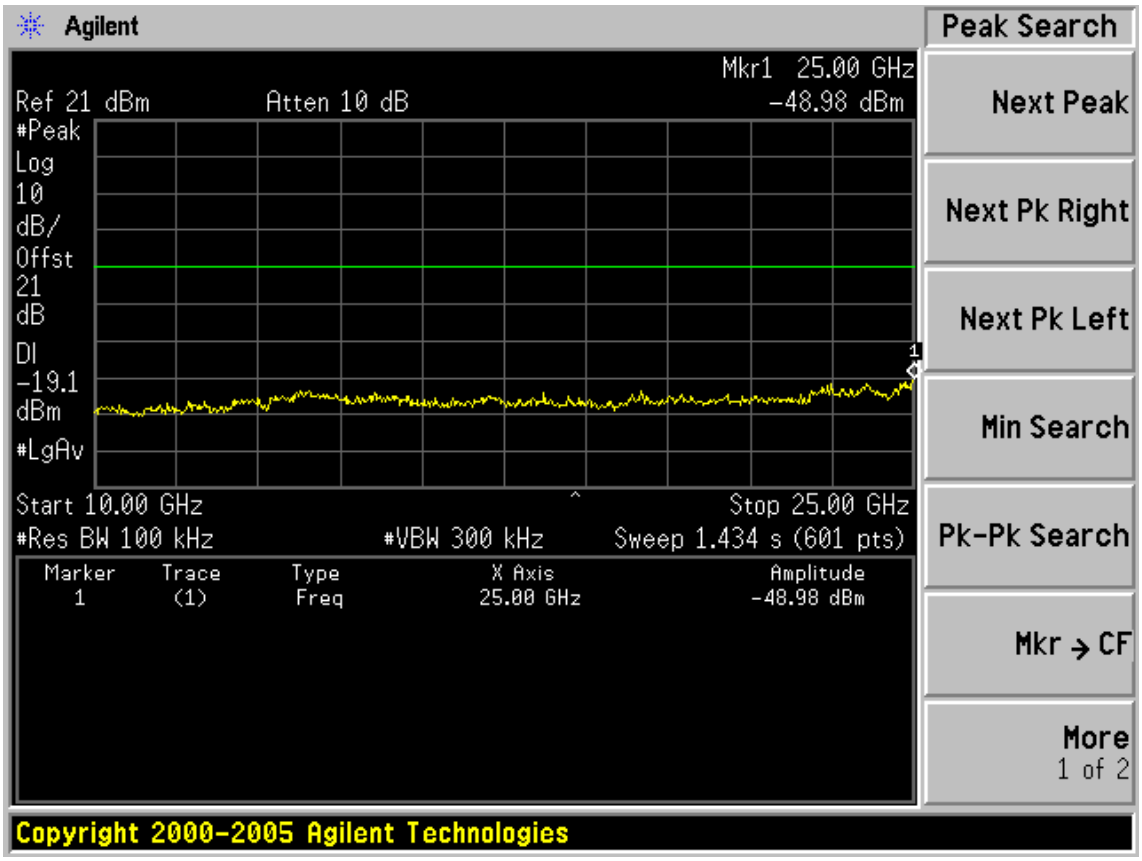

Agilent
Peak Search
Mkr1 343.6 MHz
Ref 21 dBm
Atten 10 dB
-59.25 dBm
#Peak
Log
10
dB/
Offst
21
dB
Dl
-15.4
dBm
#LgAv
Next Peak
Next Pk Right
Next Pk Left
Min Search
Pk-Pk Search
Mkr → CF
More
1 of 2
Start 30.0 MHz
Stop 1.000 0 GHz
#Res BW 100 kHz
#VBW 300 kHz
Sweep 92.72 ms (601 pts)
Marker Trace Type X Axis Amplitude
1 (1) Freq 343.6 MHz -59.25 dBm
Copyright 2000-2005 Agilent Technologies

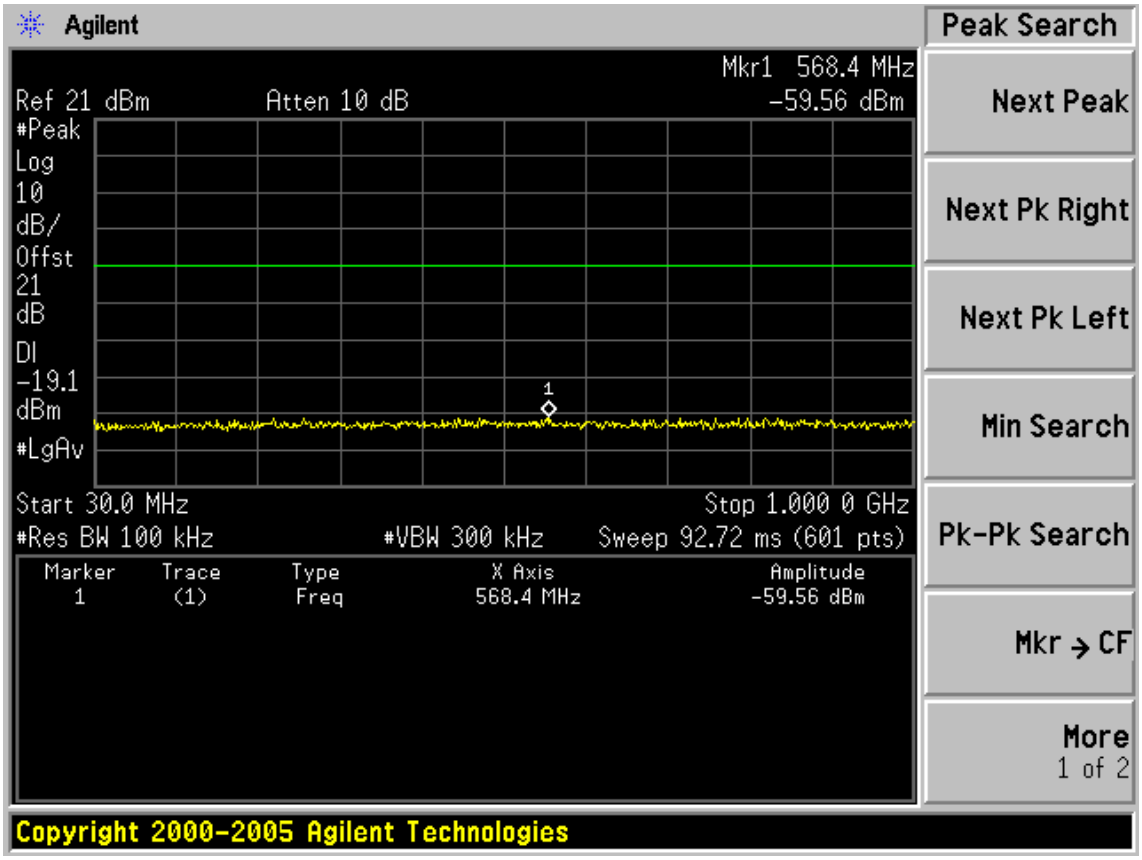


Test Mode: IEEE 802.11g
Test CH1: 2412MHz

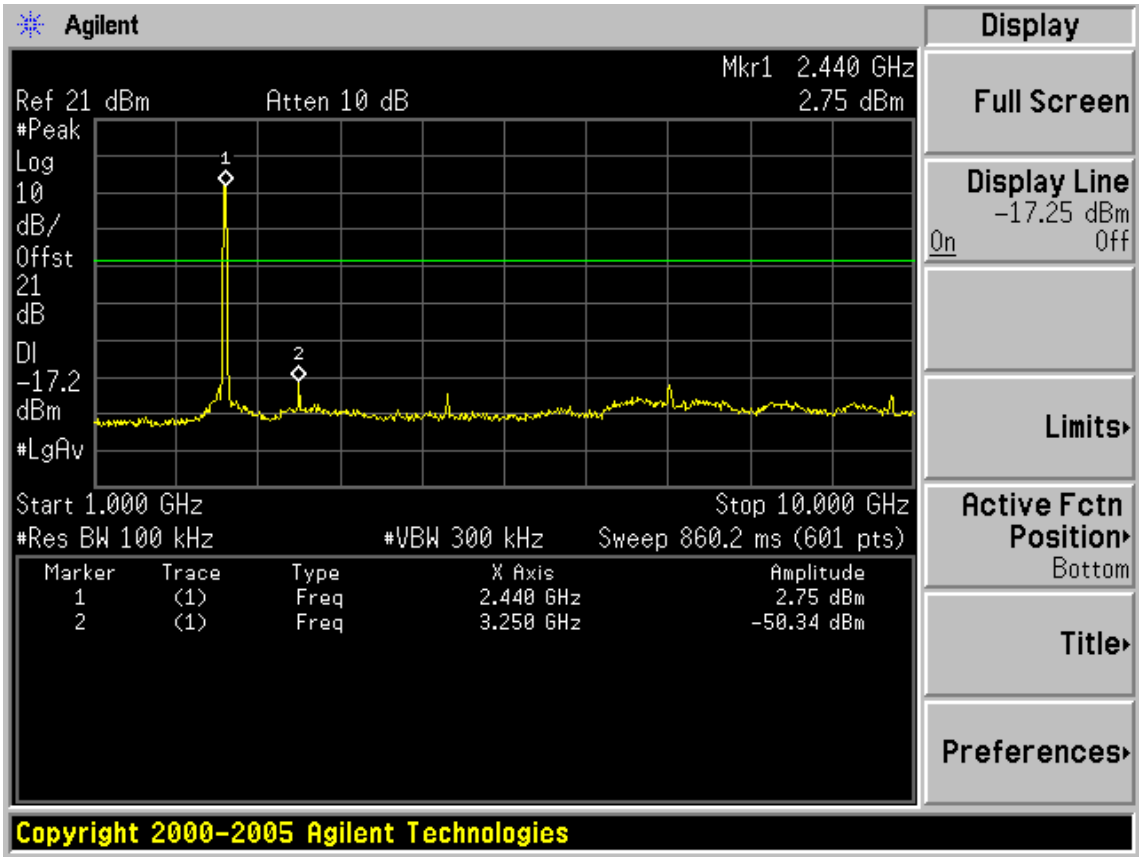


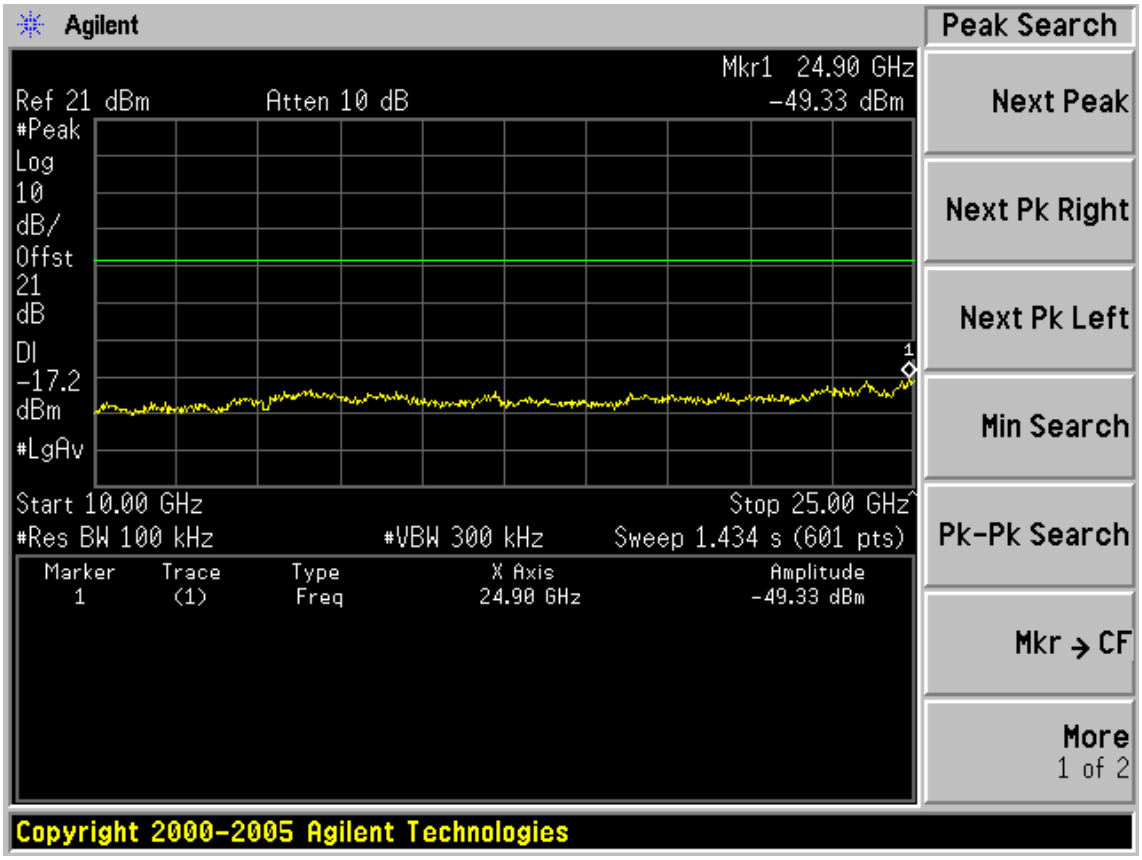

Agilent
Display
Mkr1 2.455 GHz
Ref 21 dBm
Atten 10 dB
0.93 dBm
#Peak
Log
10
dB/
Offst
21
dB
Dl
-19.1
dBm
#LgAv
Full Screen
Display Line
-19.07 dBm
On
Off
Limits
Active Fctn
Position
Bottom
Title
Preferences
Start 1.000 GHz
Stop 10.000 GHz
#Res BW 100 kHz
#VBW 300 kHz
Sweep 860.2 ms (601 pts)
Marker Trace Type X Axis Amplitude
1 (1) Freq 2.455 GHz 0.93 dBm
Copyright 2000-2005 Agilent Technologies

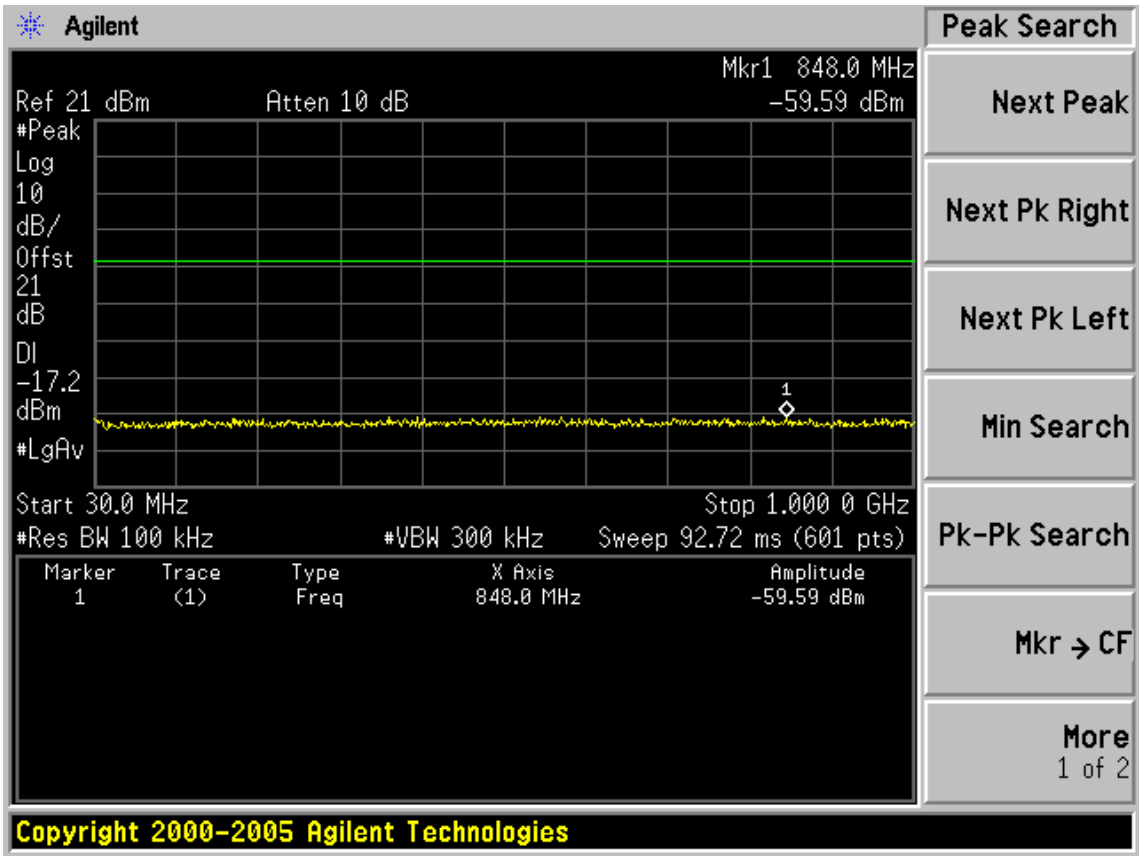

Agilent
Peak Search
Mkr1 25.00 GHz
Ref 21 dBm
Atten 10 dB
-48.98 dBm
#Peak
Log
10
dB/
Offst
21
dB
Dl
-19.1
dBm
#LgAv
Next Peak
Next Pk Right
Next Pk Left
Min Search
Pk-Pk Search
Mkr → CF
More
1 of 2
Start 10.00 GHz
Stop 25.00 GHz
#Res BW 100 kHz
#VBW 300 kHz
Sweep 1.434 s (601 pts)
Marker Trace Type X Axis Amplitude
1 (1) Freq 25.00 GHz -48.98 dBm
Copyright 2000-2005 Agilent Technologies



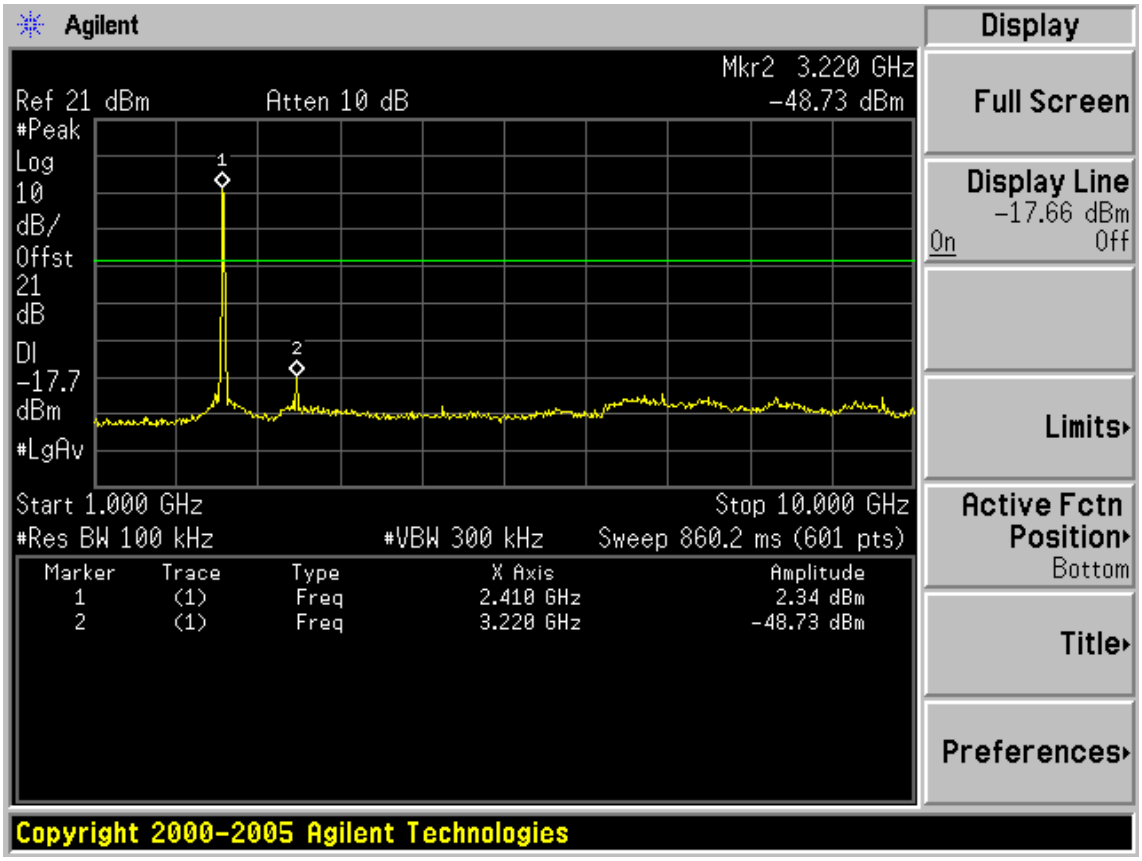
Test CH6: 2437MHz

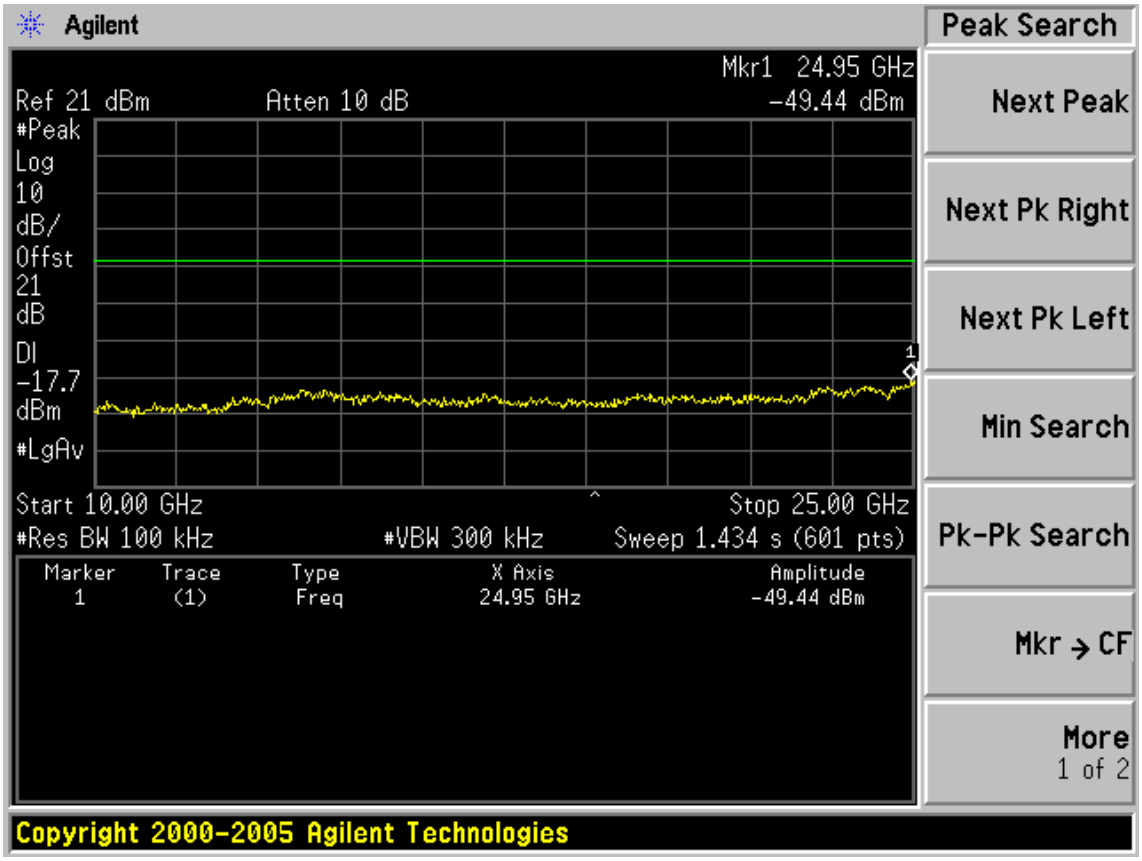


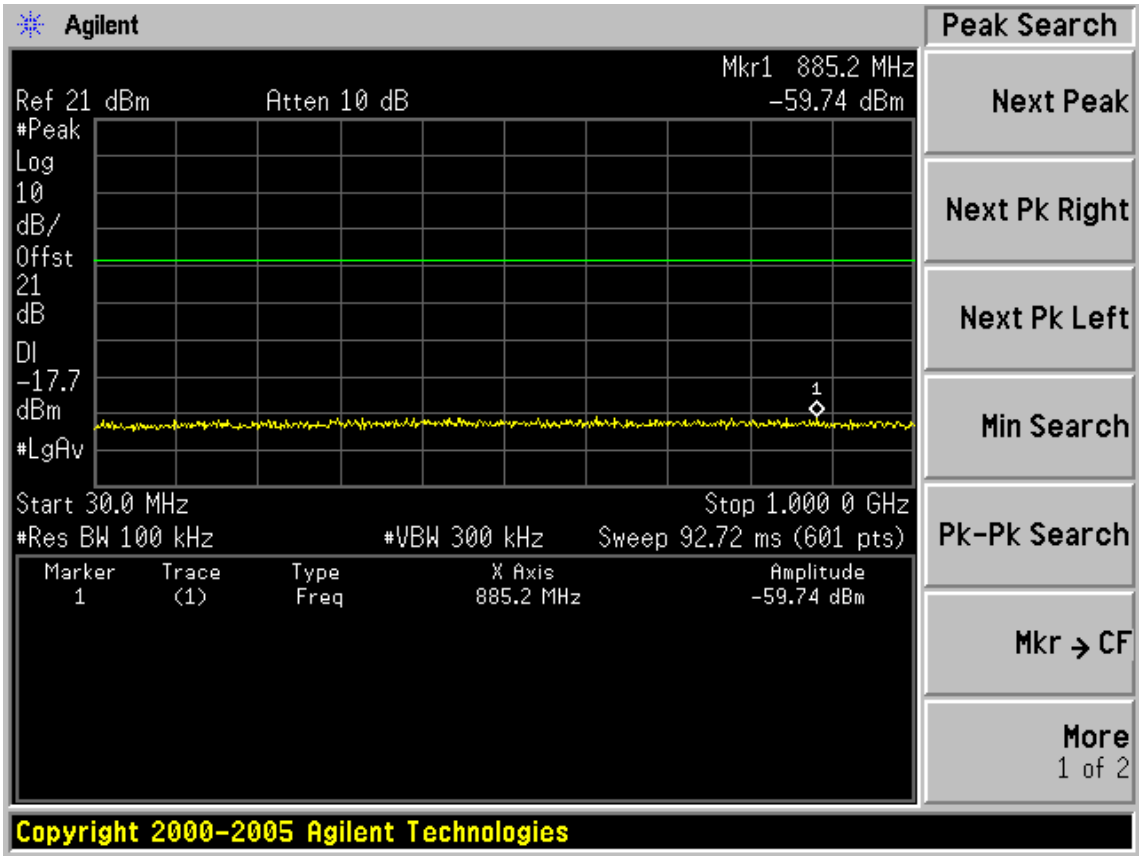

Agilent
Peak Search
Mkr1 24.90 GHz
Ref 21 dBm
Atten 10 dB
-49.33 dBm
#Peak
Log
10
dB/
Offst
21
dB
Dl
-17.2
dBm
#LgAv
Next Peak
Next Pk Right
Next Pk Left
Min Search
Pk-Pk Search
Mkr → CF
More
1 of 2
Start 10.00 GHz
Stop 25.00 GHz
#Res BW 100 kHz
#VBW 300 kHz
Sweep 1.434 s (601 pts)
Marker Trace Type X Axis Amplitude
1 (1) Freq 24.90 GHz -49.33 dBm
Copyright 2000-2005 Agilent Technologies

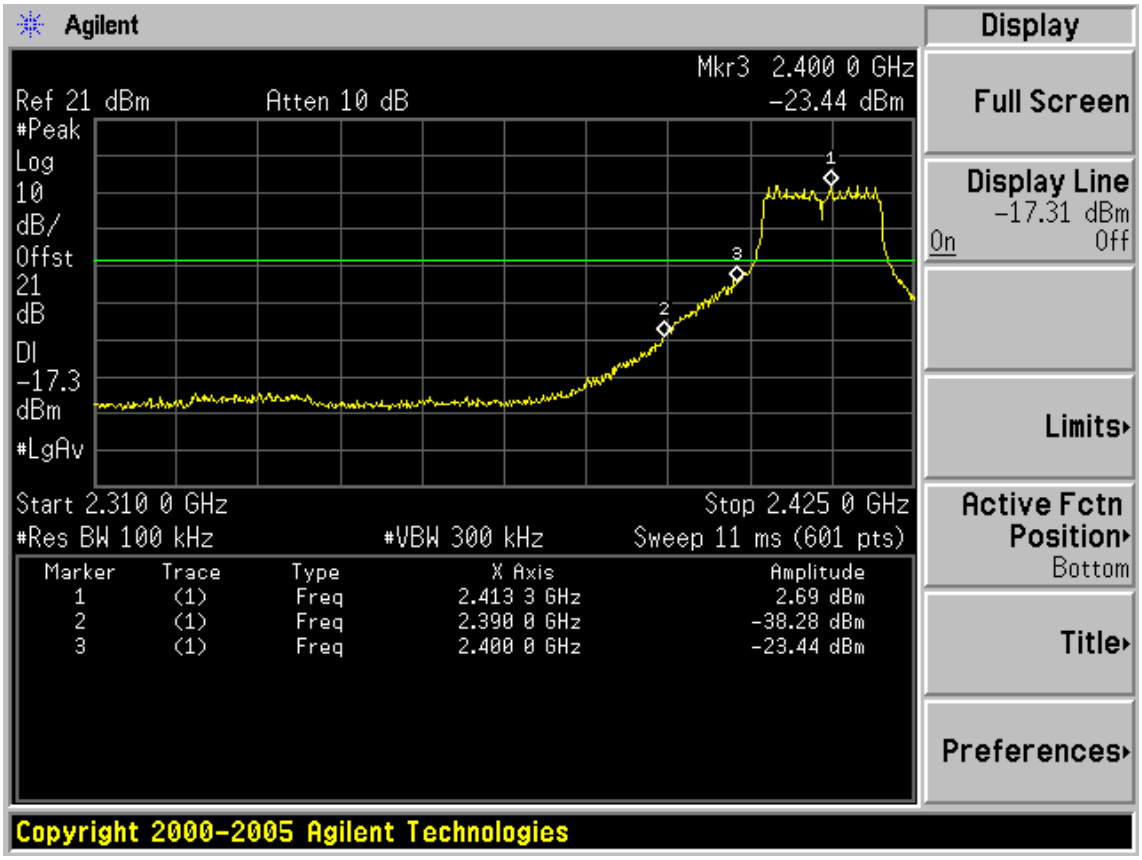

Agilent
Peak Search
Mkr1 848.0 MHz
Ref 21 dBm
Atten 10 dB
-59.59 dBm
#Peak
Log
10
dB/
Offst
21
dB
Dl
-17.2
dBm
#LgAv
Next Peak
Next Pk Right
Next Pk Left
Min Search
Pk-Pk Search
Mkr → CF
More
1 of 2
Start 30.0 MHz
Stop 1.000 0 GHz
#Res BW 100 kHz
#VBW 300 kHz
Sweep 92.72 ms (601 pts)
Marker Trace Type X Axis Amplitude
1 (1) Freq 848.0 MHz -59.59 dBm
Copyright 2000-2005 Agilent Technologies

Test CH11: 2462MHz

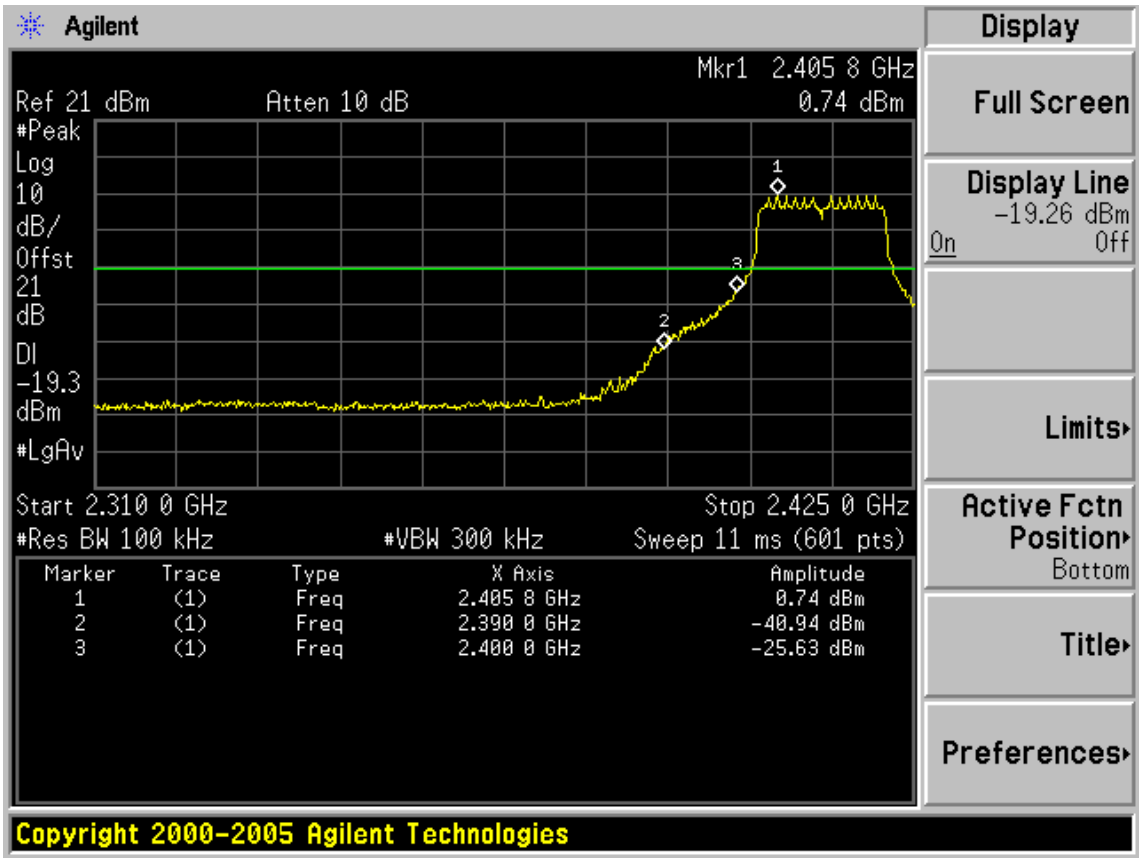


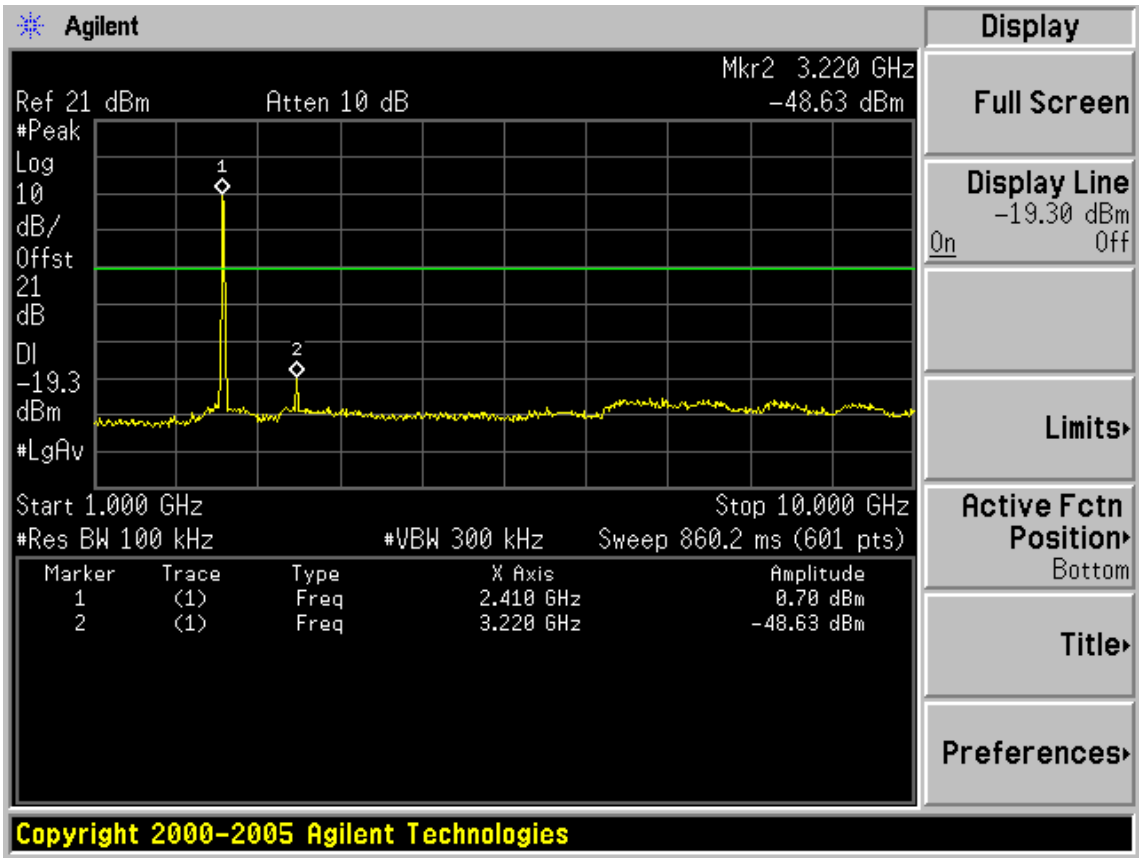


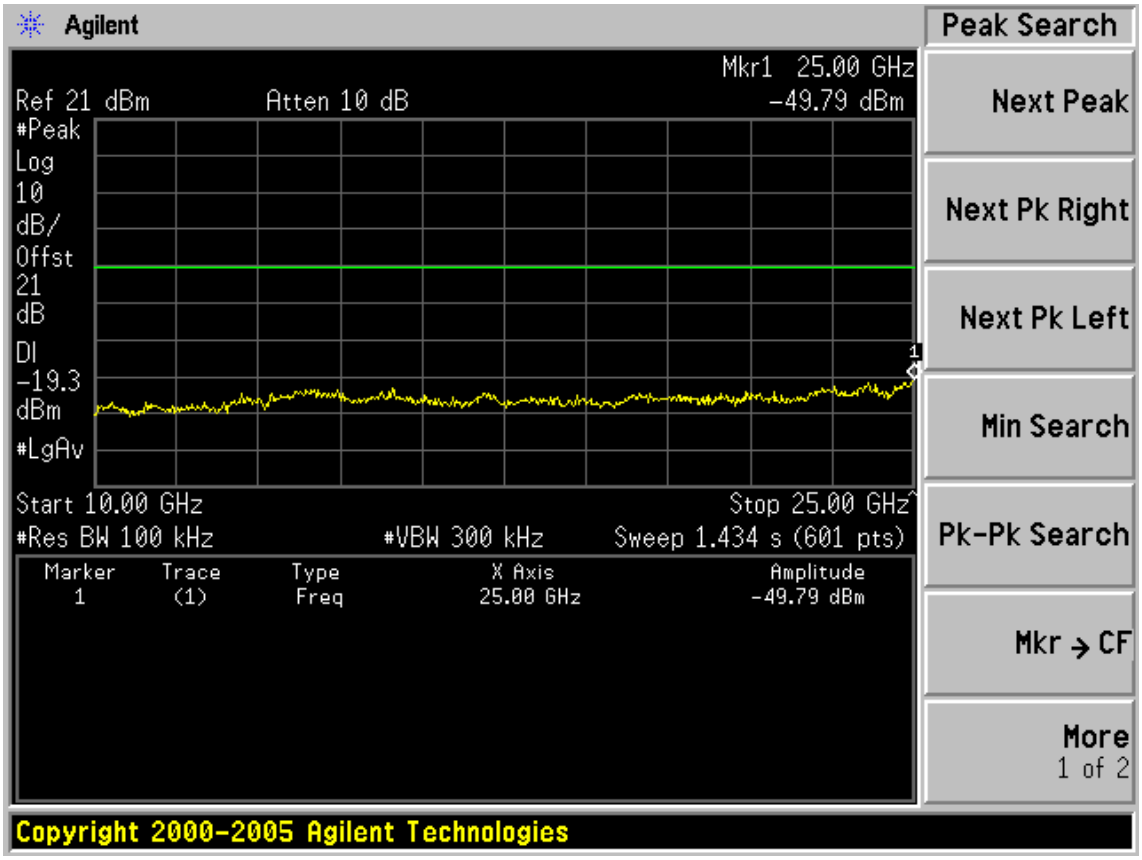

Agilent
Peak Search
Mkr1 885.2 MHz
Ref 21 dBm
Atten 10 dB
-59.74 dBm
#Peak
Log
10
dB/
Offst
21
dB
Dl
-17.7
dBm
#LgAv
Next Peak
Next Pk Right
Next Pk Left
Min Search
Pk-Pk Search
Mkr → CF
More
1 of 2
Start 30.0 MHz
Stop 1.000 0 GHz
#Res BW 100 kHz
#VBW 300 kHz
Sweep 92.72 ms (601 pts)
Marker Trace Type X Axis Amplitude
1 (1) Freq 885.2 MHz -59.74 dBm
Copyright 2000-2005 Agilent Technologies

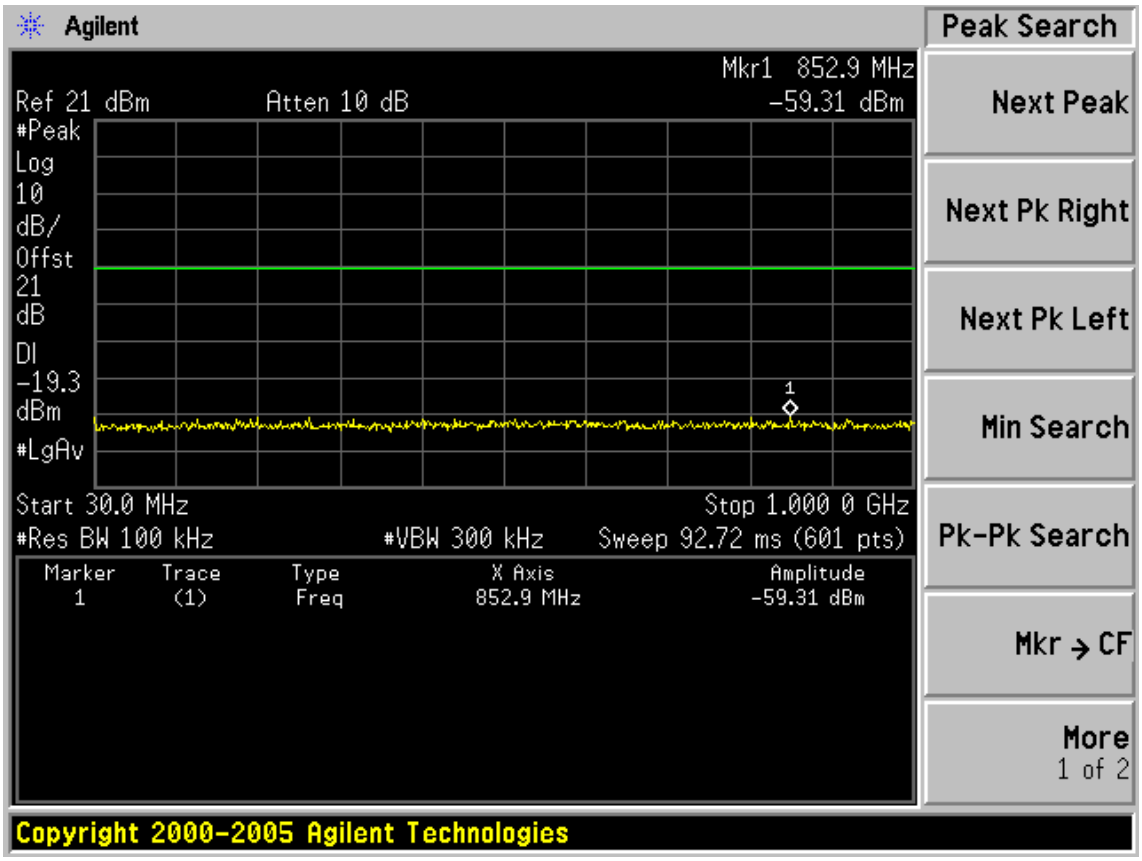

Agilent
Display
Mkr3 2.400 0 GHz
Ref 21 dBm
Atten 10 dB
-23.44 dBm
#Peak
Log
10
dB/
Offst
21
dB
Dl
-17.3
dBm
#LgAv
Full Screen
Display Line
-17.31 dBm
On Off
Limits
Active Fctn
Position
Bottom
Title
Preferences
Start 2.310 0 GHz
Stop 2.425 0 GHz
#Res BW 100 kHz
#VBW 300 kHz
Sweep 11 ms (601 pts)
Marker Trace Type X Axis Amplitude
1 (1) Freq 2.413 3 GHz 2.69 dBm
2 (1) Freq 2.390 0 GHz -38.28 dBm
3 (1) Freq 2.400 0 GHz -23.44 dBm
Copyright 2000-2005 Agilent Technologies

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

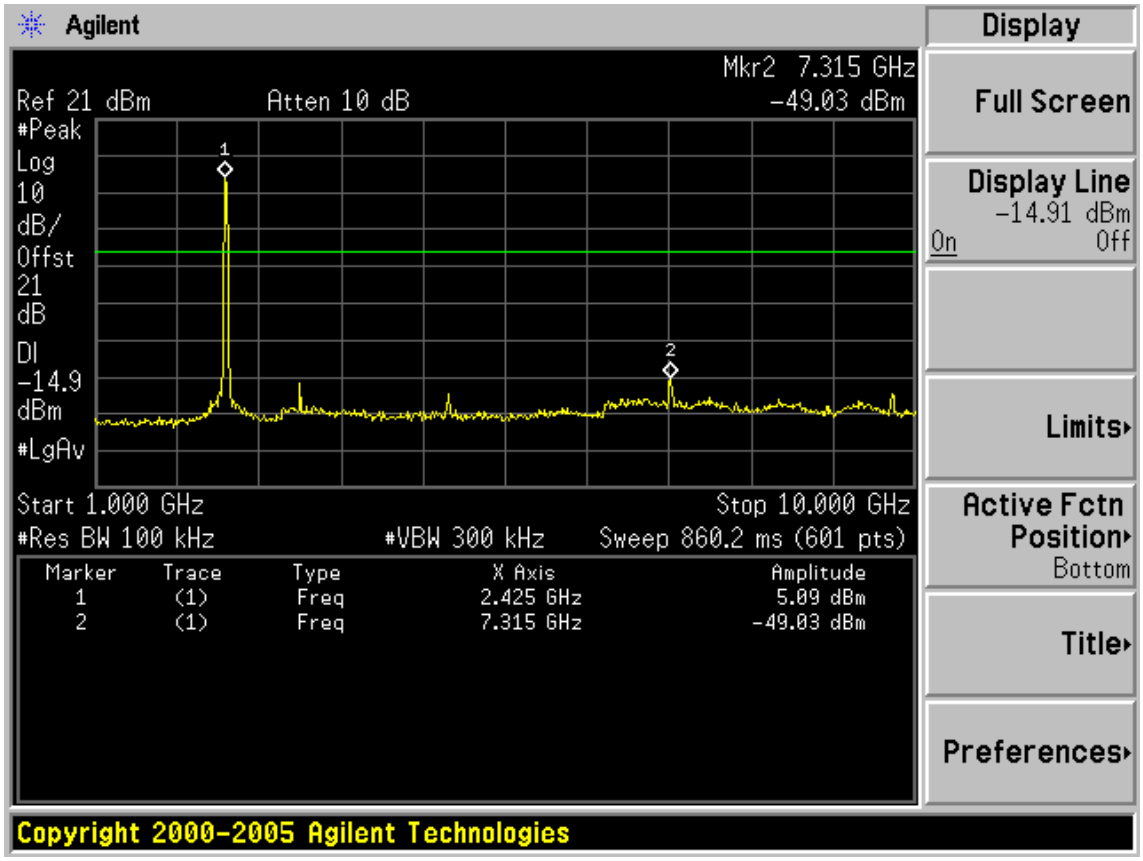


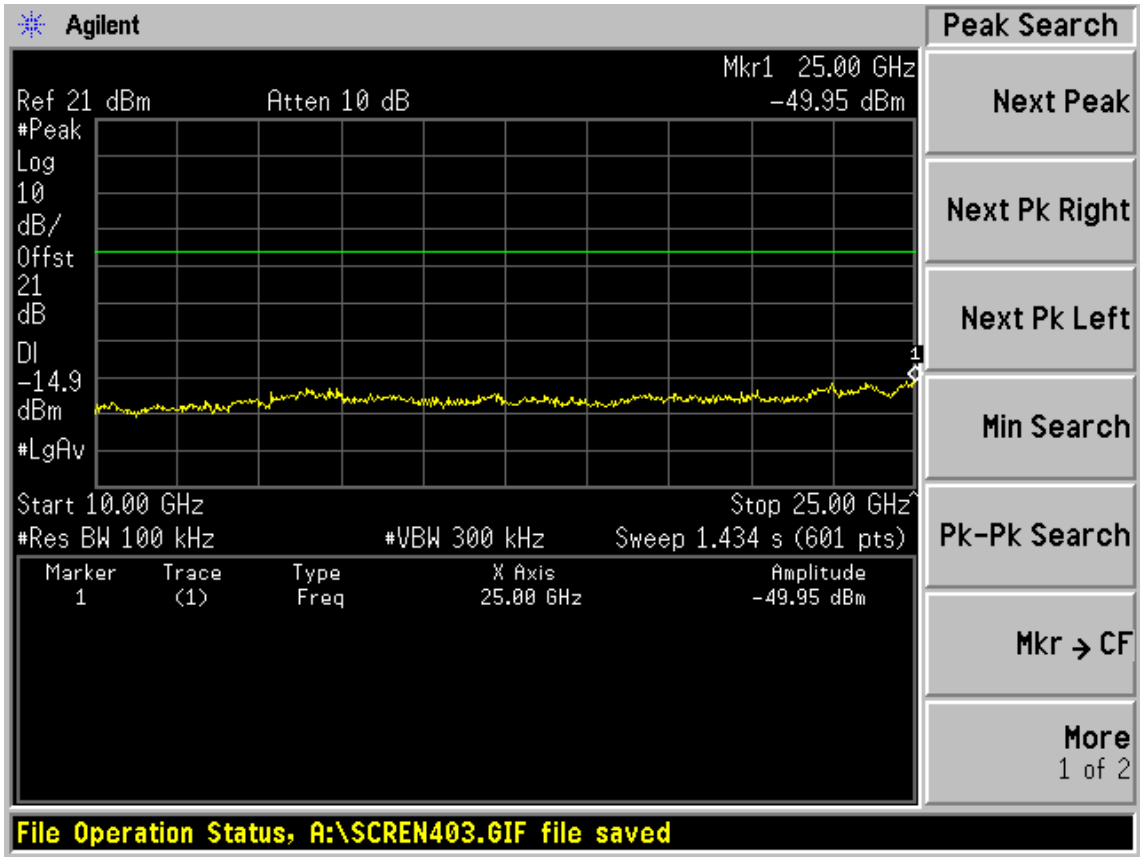


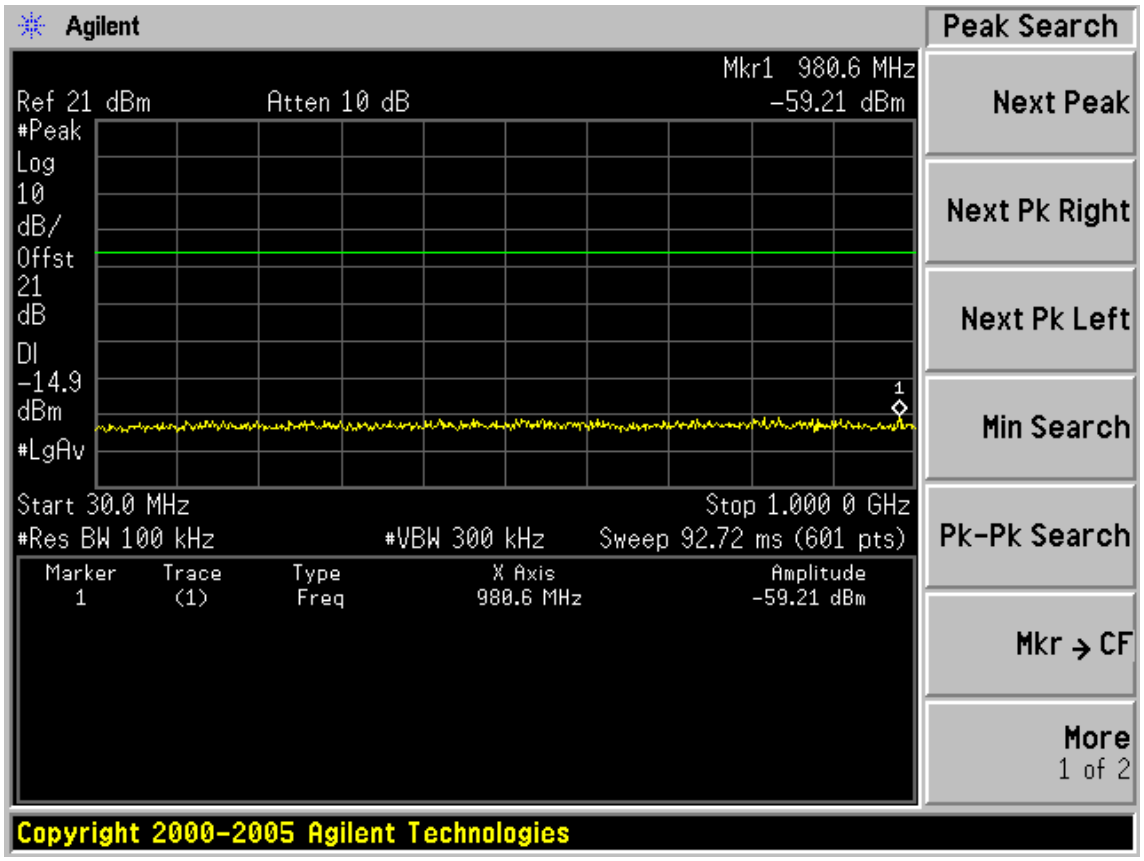

Agilent
Peak Search
Mkr1 25.00 GHz
Ref 21 dBm
Atten 10 dB
-49.79 dBm
#Peak
Log
10
dB/
Offst
21
dB
Dl
-19.3
dBm
#LgAv
1
Next Peak
Next Pk Right
Next Pk Left
Min Search
Pk-Pk Search
Mkr → CF
More
1 of 2
Start 10.00 GHz
Stop 25.00 GHz
#Res BW 100 kHz
#VBW 300 kHz
Sweep 1.434 s (601 pts)
Marker Trace Type X Axis Amplitude
1 (1) Freq 25.00 GHz -49.79 dBm
Copyright 2000-2005 Agilent Technologies


Agilent
Peak Search
Mkr1 852.9 MHz
Ref 21 dBm
Atten 10 dB
-59.31 dBm
#Peak
Log
10
dB/
Offst
21
dB
Dl
-19.3
dBm
#LgAv
1
Next Peak
Next Pk Right
Next Pk Left
Min Search
Pk-Pk Search
Mkr → CF
More
1 of 2
Start 30.0 MHz
Stop 1.000 0 GHz
#Res BW 100 kHz
#VBW 300 kHz
Sweep 92.72 ms (601 pts)
Marker Trace Type X Axis Amplitude
1 (1) Freq 852.9 MHz -59.31 dBm
Copyright 2000-2005 Agilent Technologies

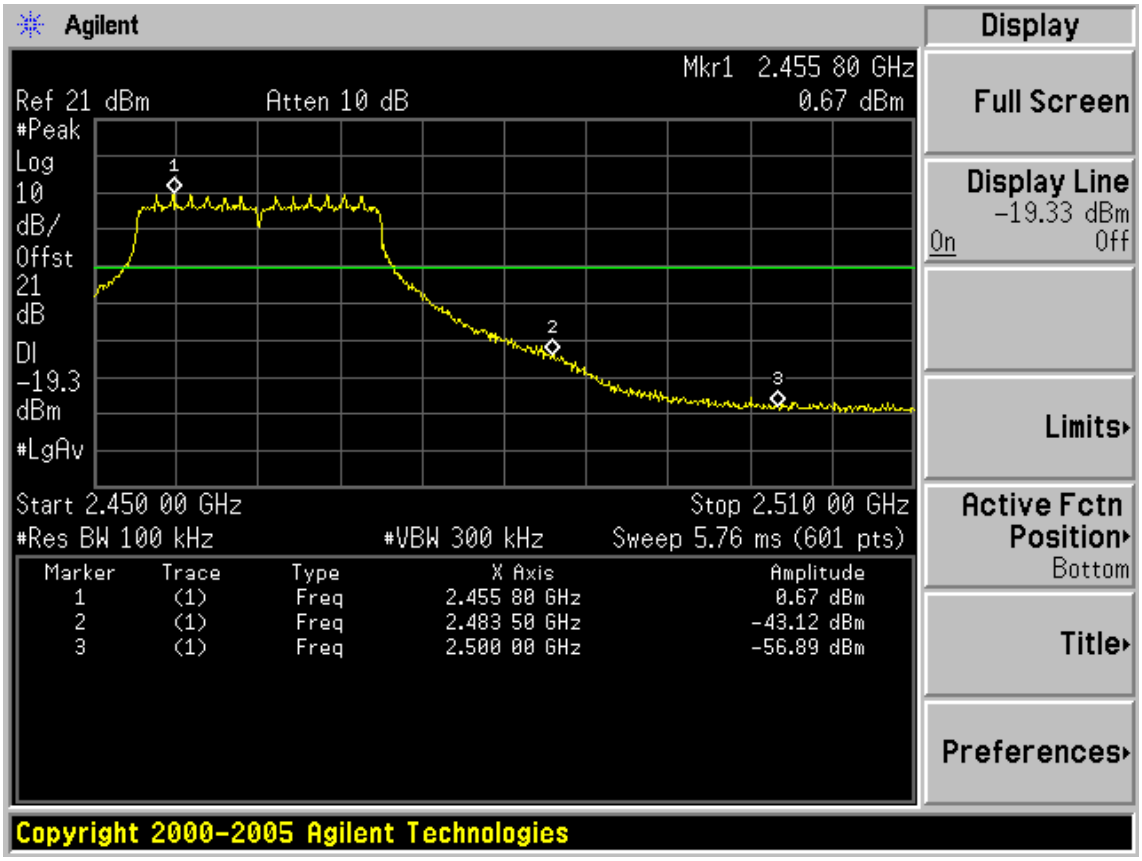
Test CH6: 2437MHz

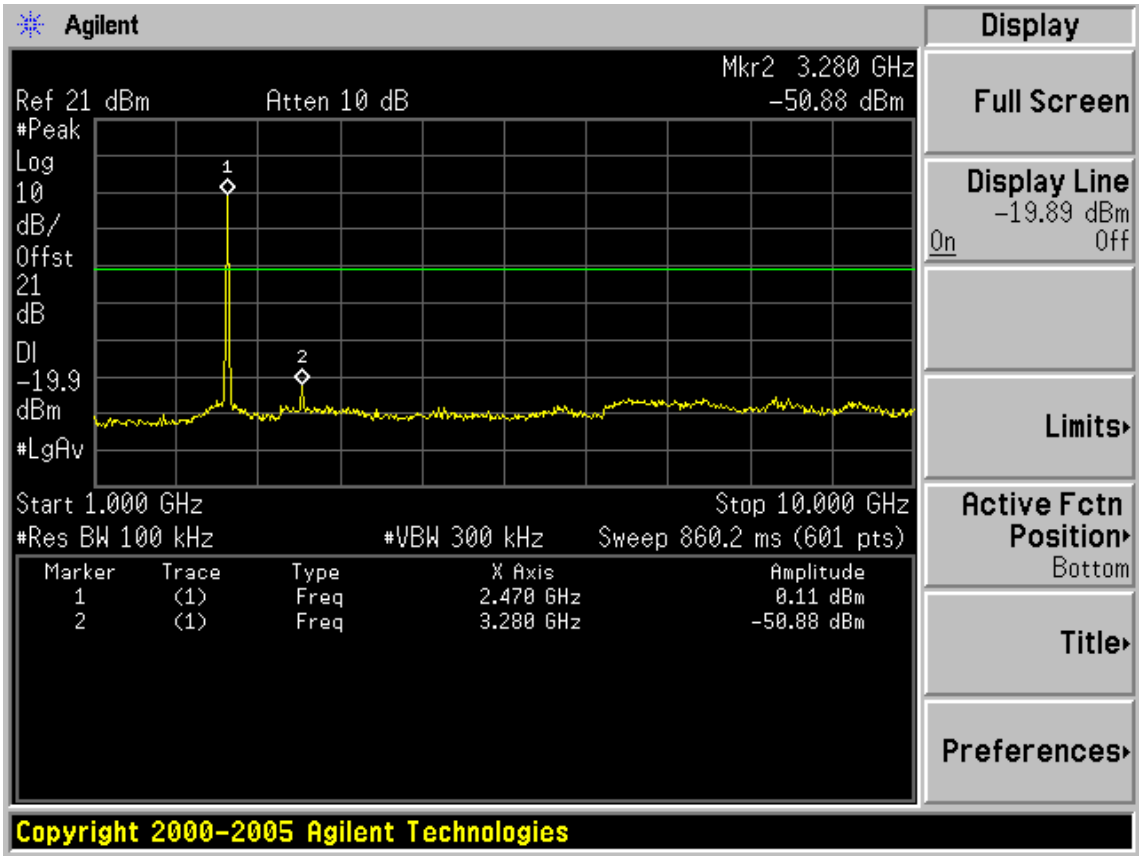


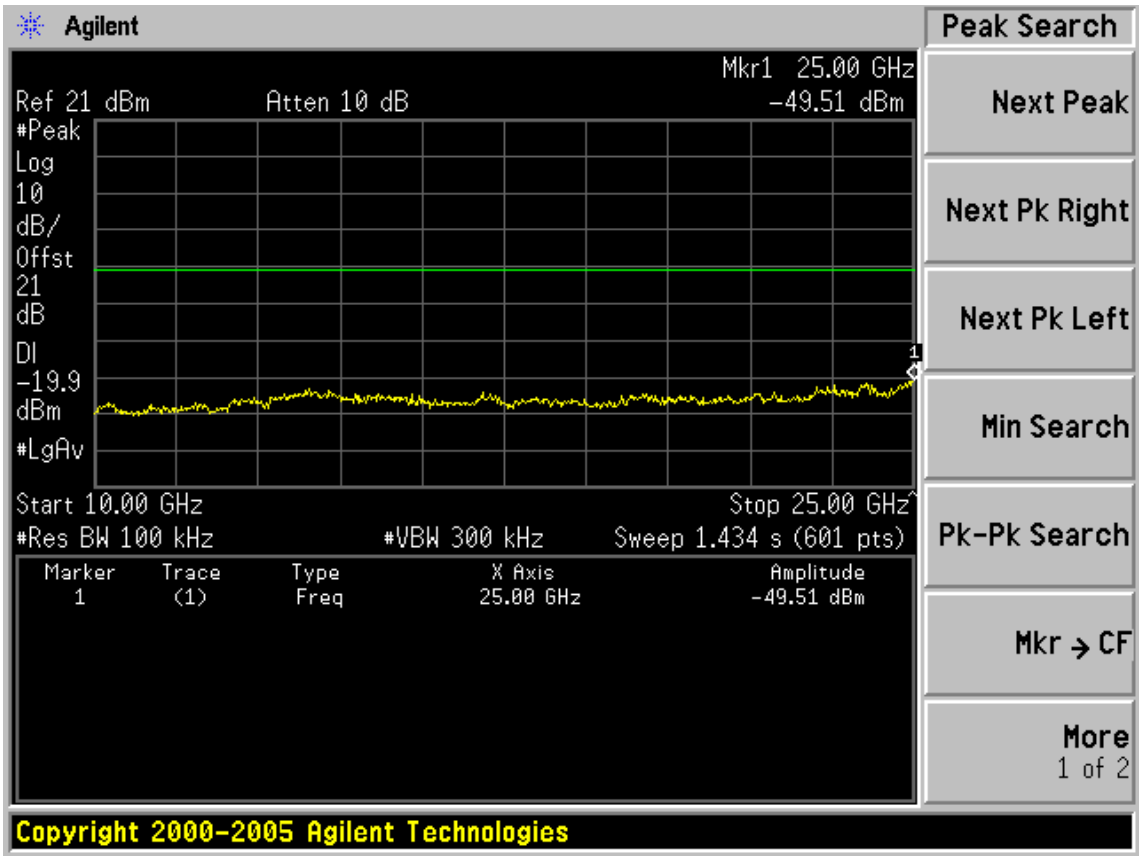


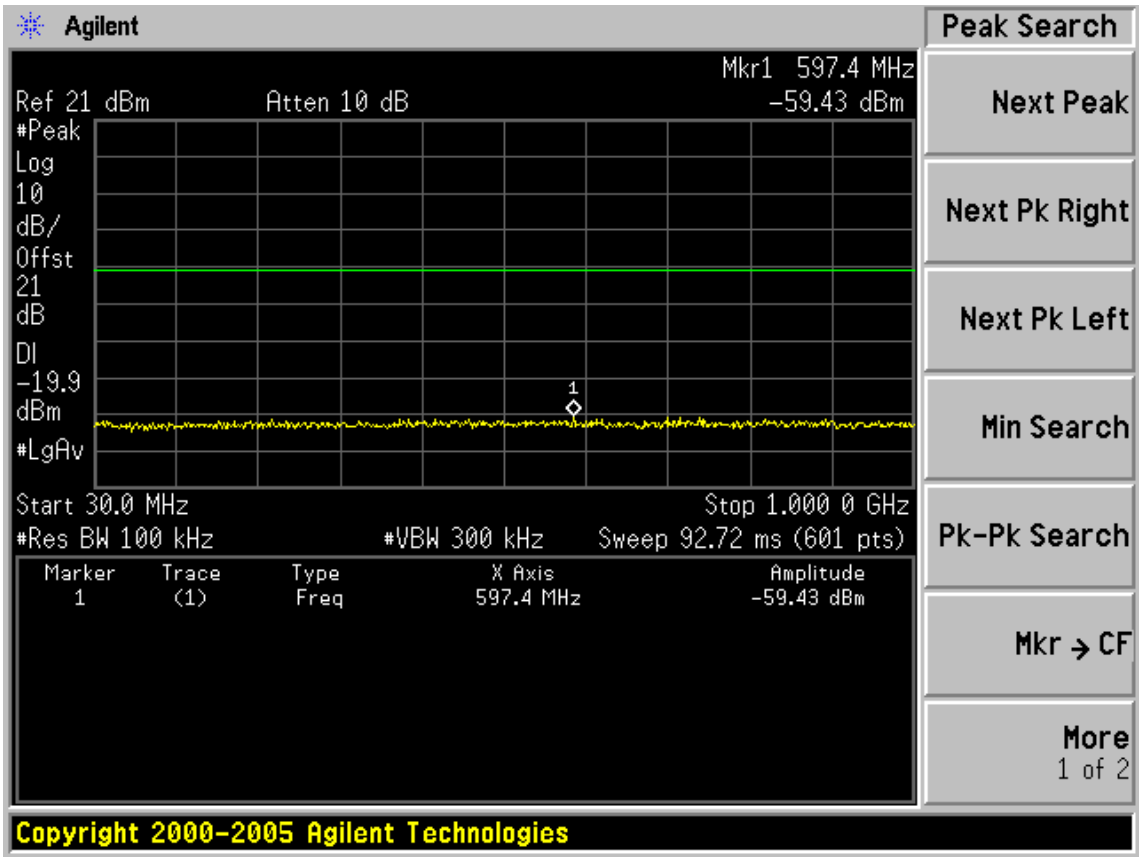


Test CH11: 2462MHz

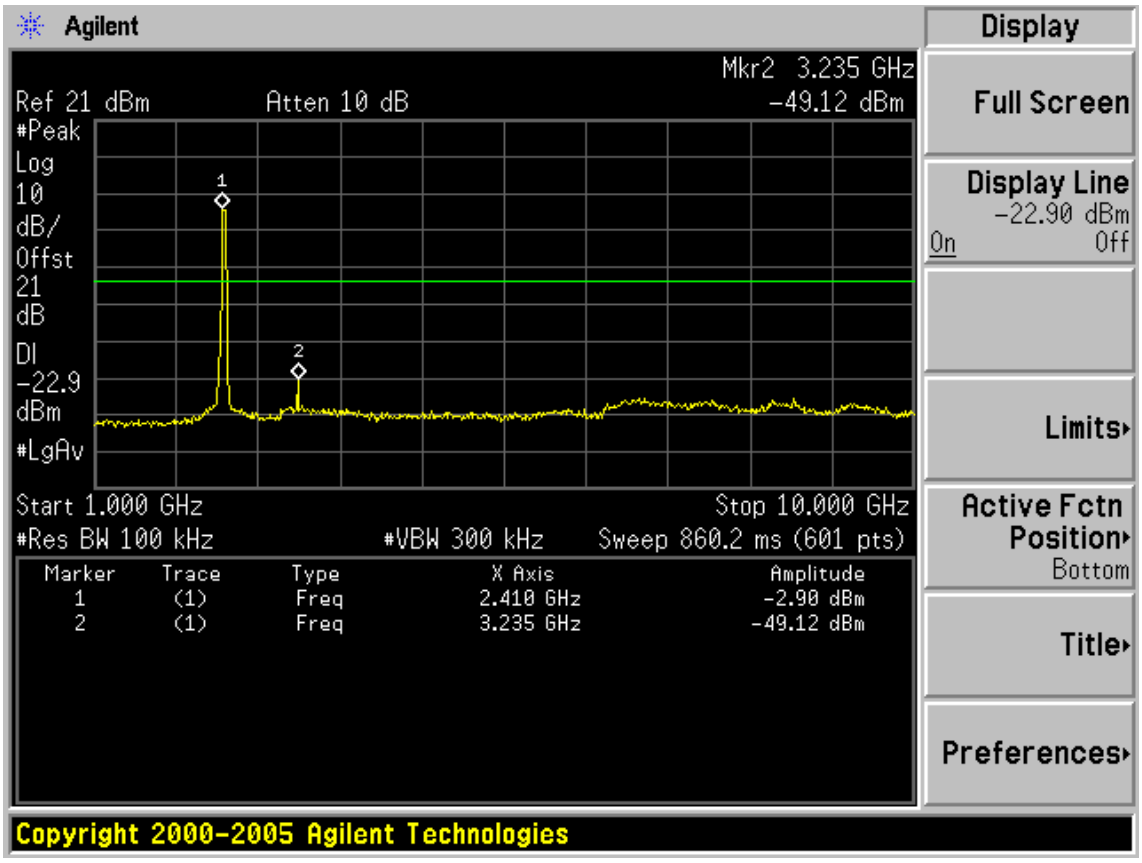


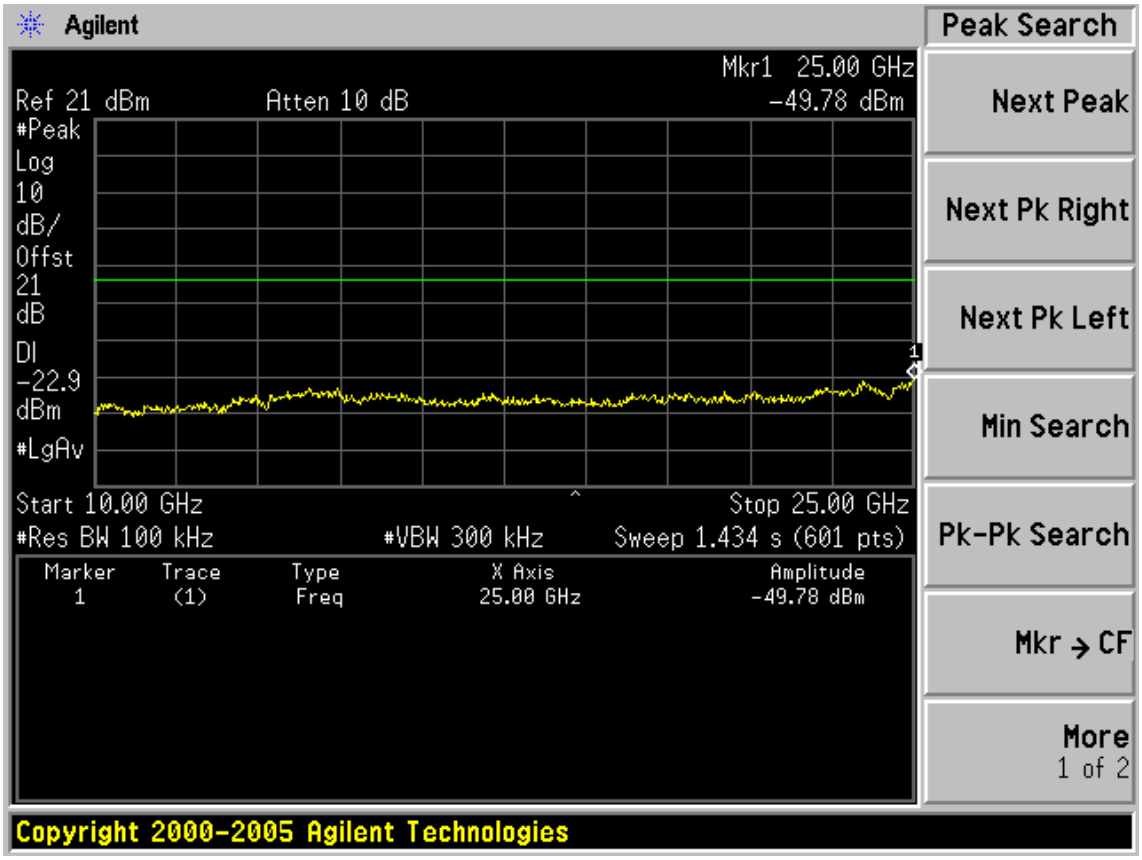

Agilent
Display
Mkr2 3.280 GHz
Ref 21 dBm
Atten 10 dB
-50.88 dBm
#Peak
Log
10
dB/
Offst
21
dB
Dl
-19.9
dBm
#LgAv
Start 1.000 GHz
Stop 10.000 GHz
#Res BW 100 kHz
#VBW 300 kHz
Sweep 860.2 ms (601 pts)
Marker Trace Type X Axis Amplitude
1 (1) Freq 2.470 GHz 0.11 dBm
2 (1) Freq 3.280 GHz -50.88 dBm
Full Screen
Display Line
-19.89 dBm
On Off
Limits
Active Fctn
Position
Bottom
Title
Preferences
Copyright 2000-2005 Agilent Technologies

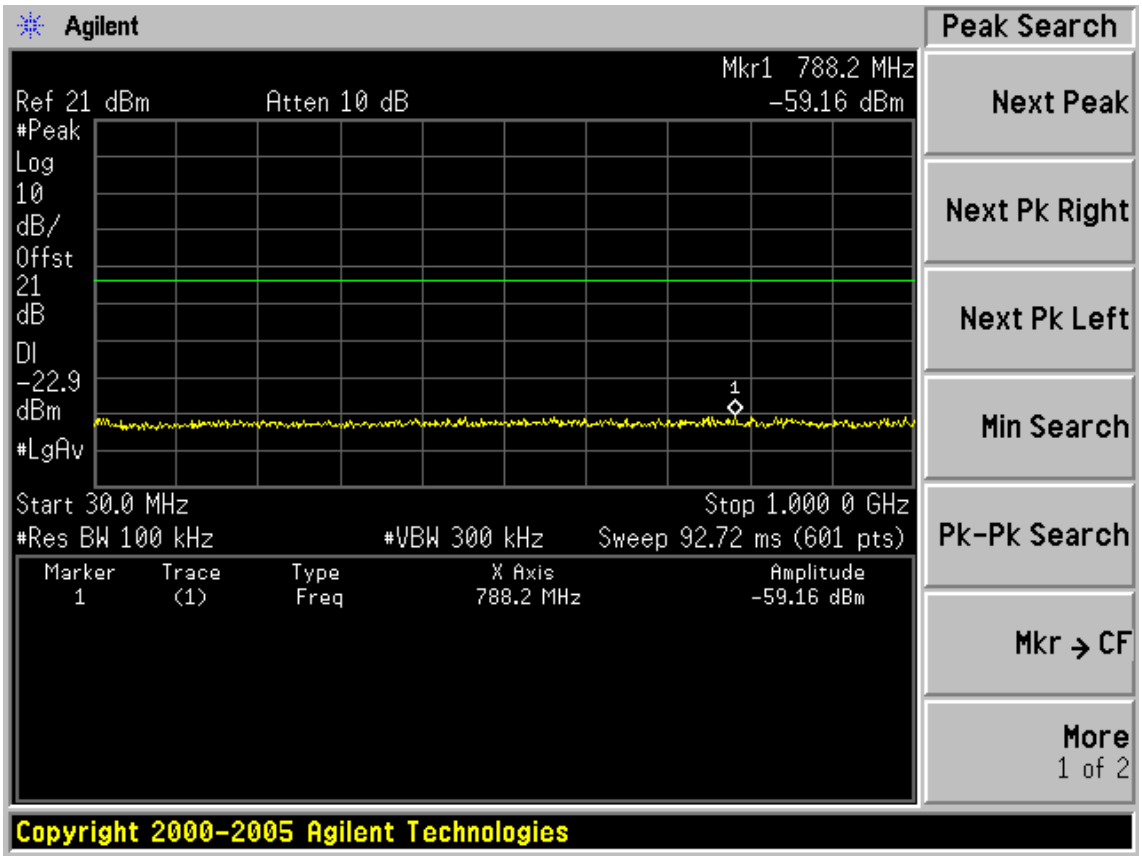

Agilent
Peak Search
Mkr1 25.00 GHz
Ref 21 dBm
Atten 10 dB
-49.51 dBm
#Peak
Log
10
dB/
Offst
21
dB
Dl
-19.9
dBm
#LgAv
Start 10.00 GHz
Stop 25.00 GHz
#Res BW 100 kHz
#VBW 300 kHz
Sweep 1.434 s (601 pts)
Marker Trace Type X Axis Amplitude
1 (1) Freq 25.00 GHz -49.51 dBm
Next Peak
Next Pk Right
Next Pk Left
Min Search
Pk-Pk Search
Mkr → CF
More
1 of 2
Copyright 2000-2005 Agilent Technologies

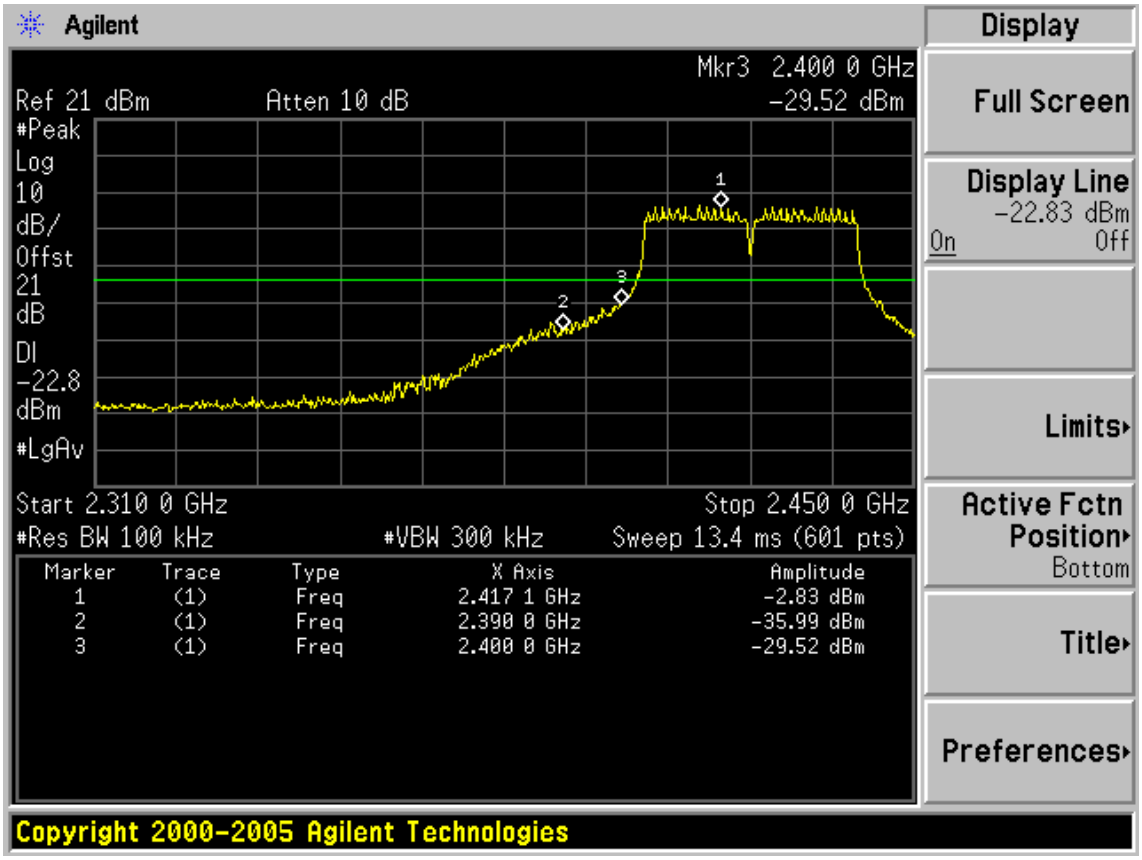


Test Mode: IEEE 802.11n HT40
Test CH1: 2422MHz

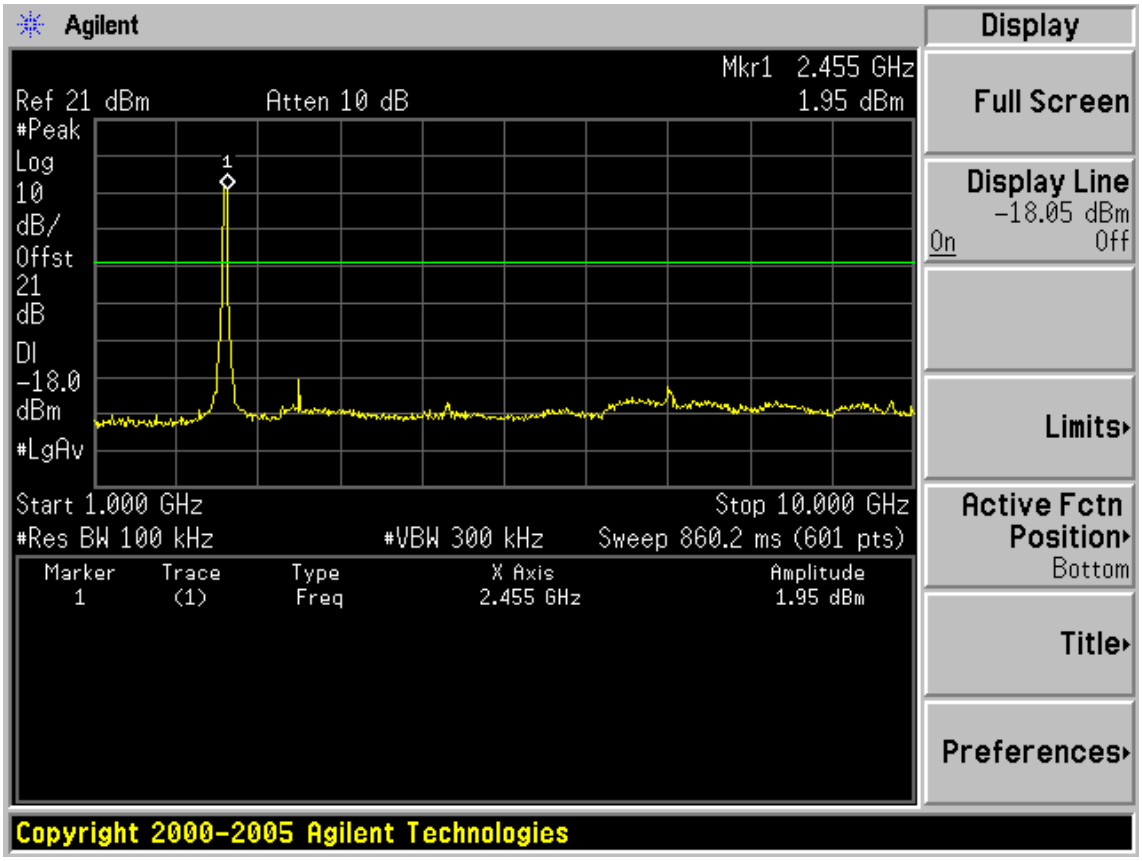


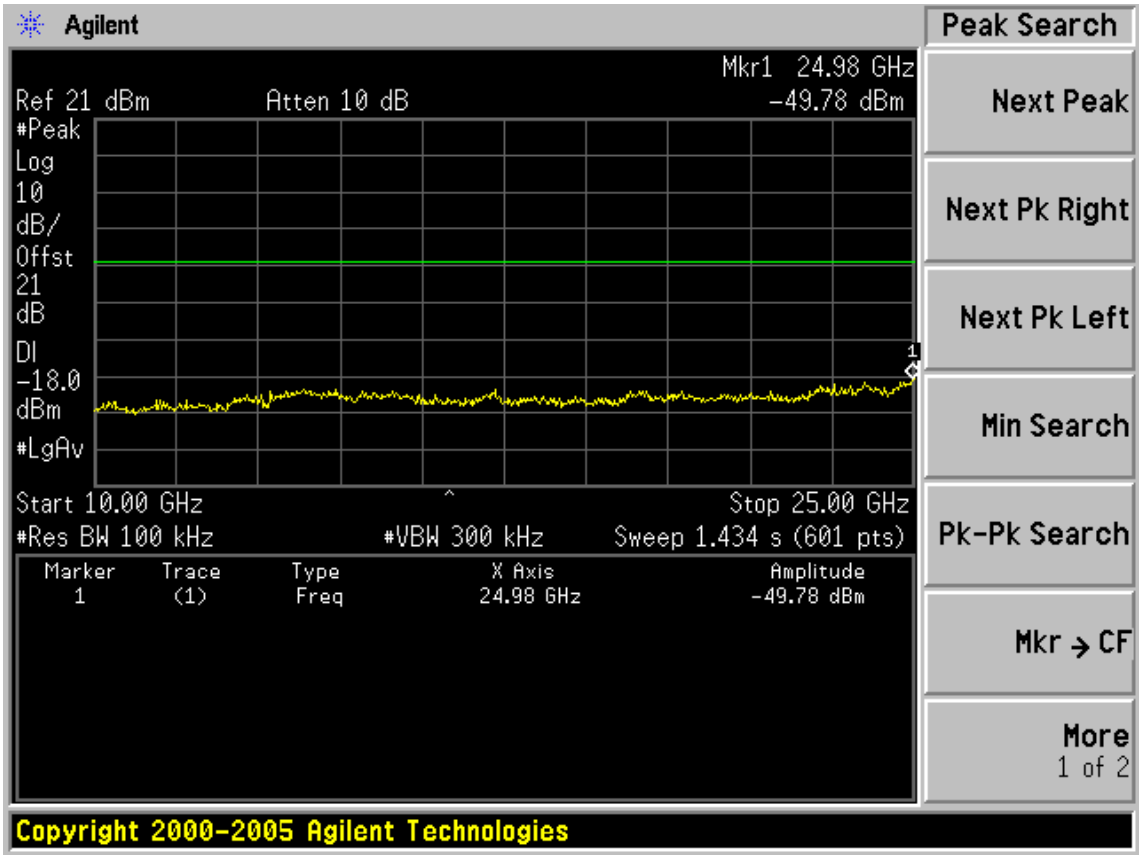

Agilent
Peak Search
Mkr1 25.00 GHz
Ref 21 dBm
Atten 10 dB
-49.78 dBm
#Peak
Log
10
dB/
Offst
21
dB
Dl
-22.9
dBm
#LgAv
Next Peak
Next Pk Right
Next Pk Left
Min Search
Pk-Pk Search
Mkr → CF
More
1 of 2
Start 10.00 GHz
Stop 25.00 GHz
#Res BW 100 kHz
#VBW 300 kHz
Sweep 1.434 s (601 pts)
Marker Trace Type X Axis Amplitude
1 (1) Freq 25.00 GHz -49.78 dBm
Copyright 2000-2005 Agilent Technologies

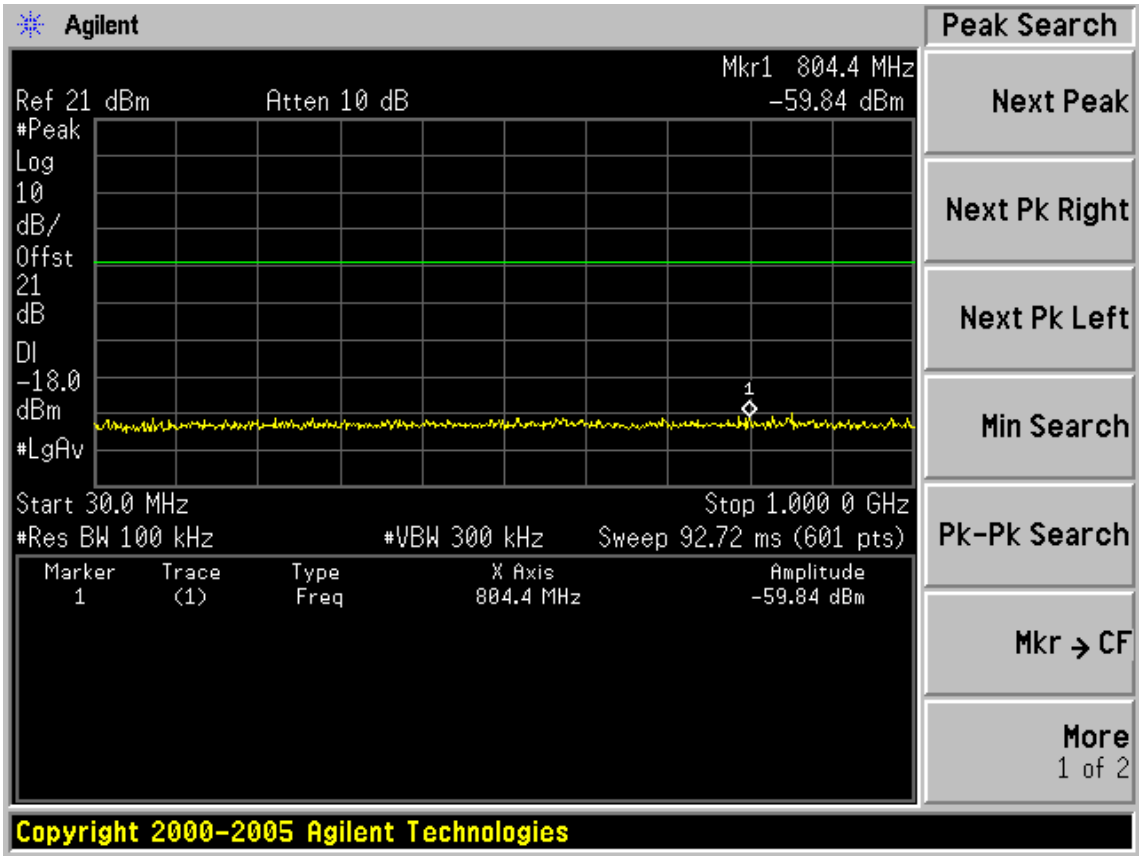

Agilent
Peak Search
Mkr1 788.2 MHz
Ref 21 dBm
Atten 10 dB
-59.16 dBm
#Peak
Log
10
dB/
Offst
21
dB
Dl
-22.9
dBm
#LgAv
Next Peak
Next Pk Right
Next Pk Left
Min Search
Pk-Pk Search
Mkr → CF
More
1 of 2
Start 30.0 MHz
Stop 1.000 0 GHz
#Res BW 100 kHz
#VBW 300 kHz
Sweep 92.72 ms (601 pts)
Marker Trace Type X Axis Amplitude
1 (1) Freq 788.2 MHz -59.16 dBm
Copyright 2000-2005 Agilent Technologies



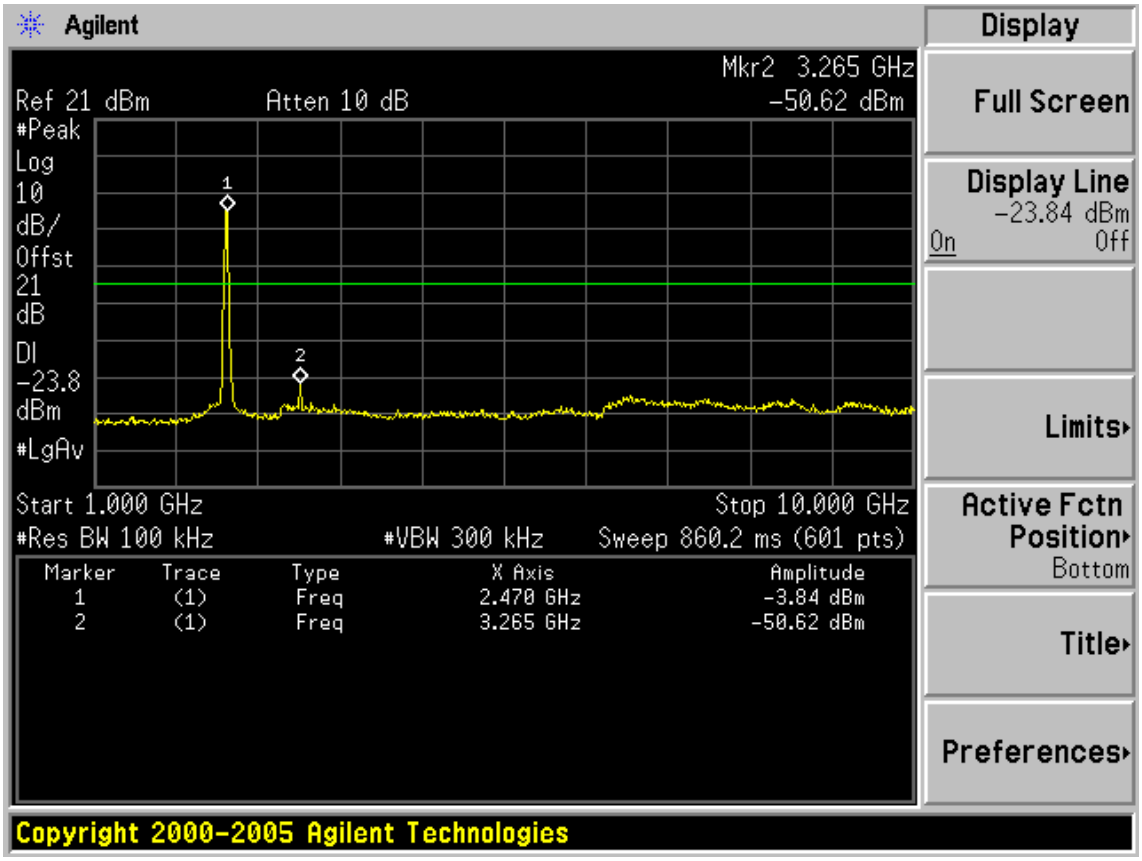
Test CH4: 2437MHz

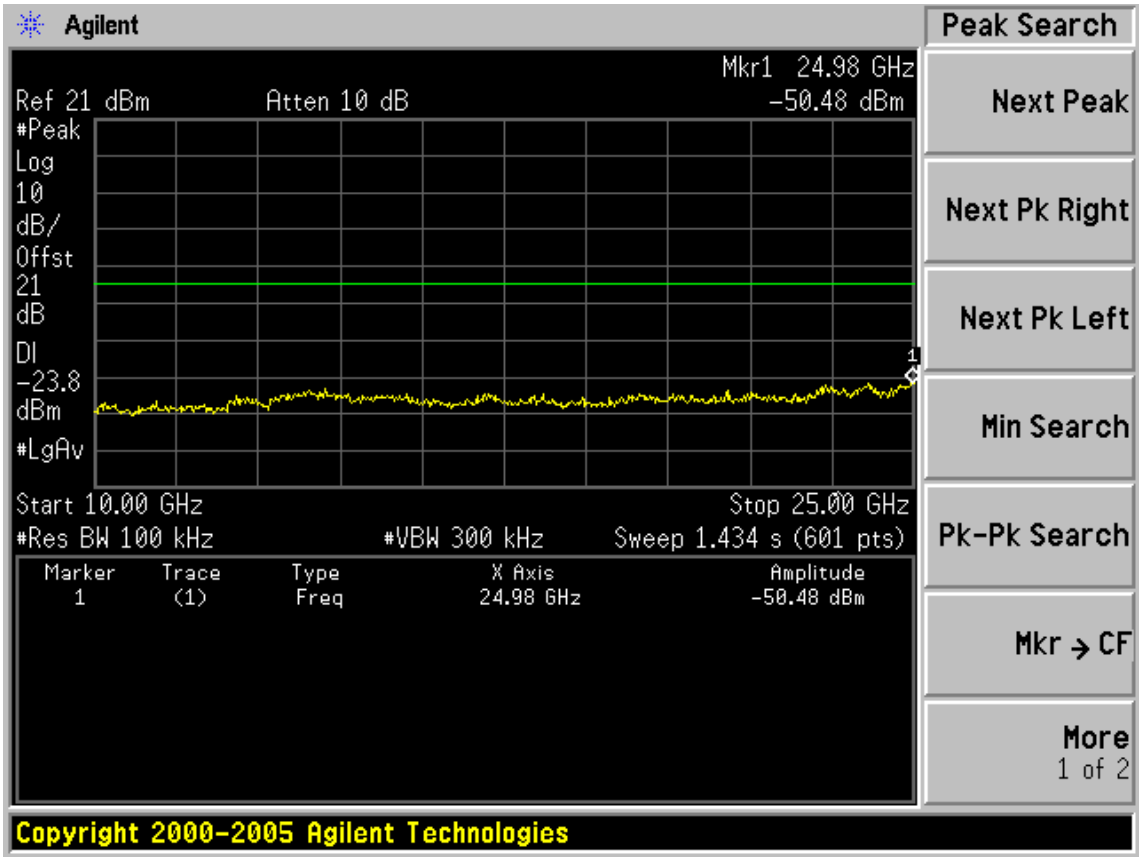


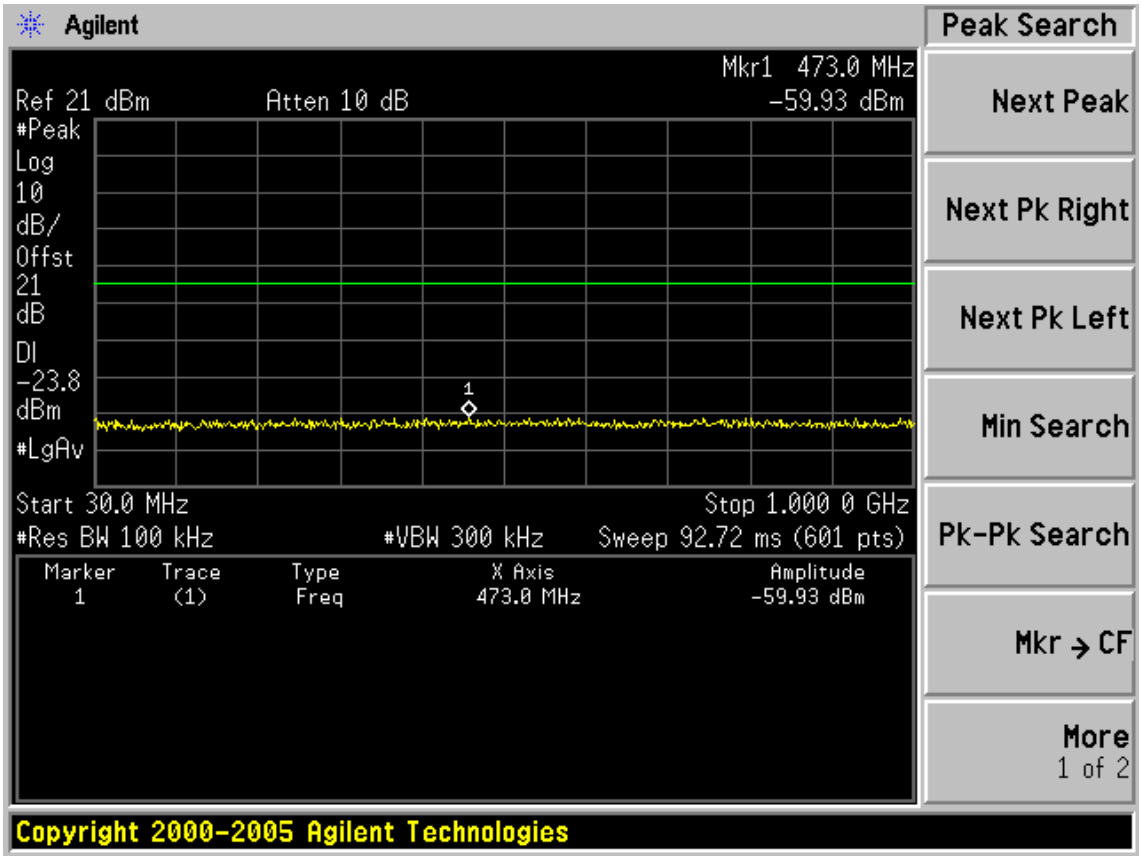

Agilent
Peak Search
Mkr1 24.98 GHz
Ref 21 dBm
Atten 10 dB
-49.78 dBm
#Peak
Log
10
dB/
Offst
21
dB
Dl
-18.0
dBm
#LgAv
Next Peak
Next Pk Right
Next Pk Left
Min Search
Pk-Pk Search
Mkr → CF
More
1 of 2
Start 10.00 GHz
Stop 25.00 GHz
#Res BW 100 kHz
#VBW 300 kHz
Sweep 1.434 s (601 pts)
Marker Trace Type X Axis Amplitude
1 (1) Freq 24.98 GHz -49.78 dBm
Copyright 2000-2005 Agilent Technologies

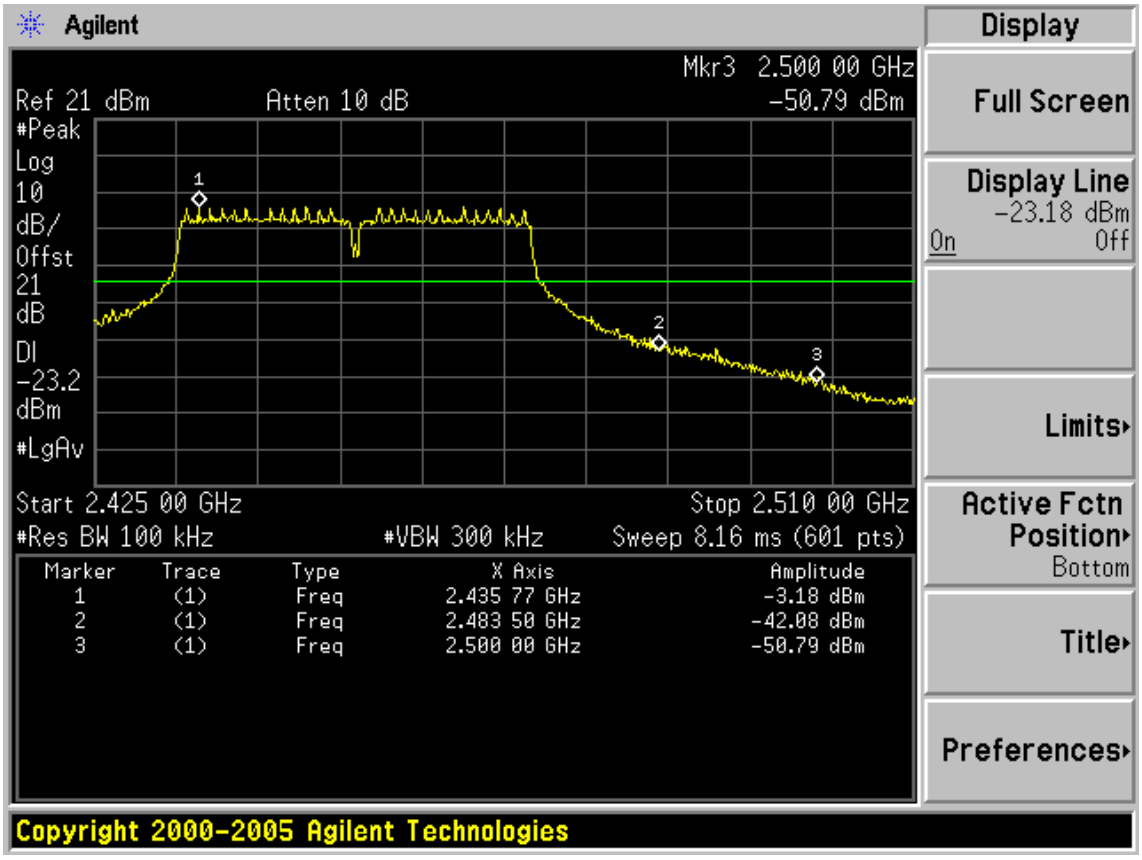

Agilent
Peak Search
Mkr1 804.4 MHz
Ref 21 dBm
Atten 10 dB
-59.84 dBm
#Peak
Log
10
dB/
Offst
21
dB
Dl
-18.0
dBm
#LgAv
Next Peak
Next Pk Right
Next Pk Left
Min Search
Pk-Pk Search
Mkr → CF
More
1 of 2
Start 30.0 MHz
Stop 1.000 0 GHz
#Res BW 100 kHz
#VBW 300 kHz
Sweep 92.72 ms (601 pts)
Marker Trace Type X Axis Amplitude
1 (1) Freq 804.4 MHz -59.84 dBm
Copyright 2000-2005 Agilent Technologies

Test CH7: 2452MHz






Agilent
Peak Search
Mkr1 473.0 MHz
Ref 21 dBm
Atten 10 dB
-59.93 dBm
#Peak
Log
10
dB/
Offst
21
dB
Dl
-23.8
dBm
#LgAv
Next Peak
Next Pk Right
Next Pk Left
Min Search
Pk-Pk Search
Mkr → CF
More
1 of 2
Start 30.0 MHz
Stop 1.000 0 GHz
#Res BW 100 kHz
#VBW 300 kHz
Sweep 92.72 ms (601 pts)
Marker Trace Type X Axis Amplitude
1 (1) Freq 473.0 MHz -59.93 dBm
Copyright 2000-2005 Agilent Technologies


Agilent
Display
Mkr3 2.500 00 GHz
Ref 21 dBm
Atten 10 dB
-50.79 dBm
#Peak
Log
10
dB/
Offst
21
dB
Dl
-23.2
dBm
#LgAv
Full Screen
Display Line
-23.18 dBm
On Off
Limits
Active Fctn
Position
Bottom
Title
Preferences
Start 2.425 00 GHz
Stop 2.510 00 GHz
#Res BW 100 kHz
#VBW 300 kHz
Sweep 8.16 ms (601 pts)
Marker Trace Type X Axis Amplitude
1 (1) Freq 2.435 77 GHz -3.18 dBm
2 (1) Freq 2.483 50 GHz -42.08 dBm
3 (1) Freq 2.500 00 GHz -50.79 dBm
Copyright 2000-2005 Agilent Technologies

6. BAND EDGE COMPLIANCE TEST

6.1.Test Equipment

Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
1.	Spectrum	Agilent	E4446A	US44300459	May.08, 12	1 Year
2.	Amp	HP	8449B	3008A08495	May.08, 12	1 Year
3.	Antenna	EMCO	3115	9510-4580	June.05, 12	1Year
4.	HF Cable	Hubersuhne	Sucoflex104	-	May.08, 12	1 Year

6.2.Limit

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

6.3.Test Produce

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

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

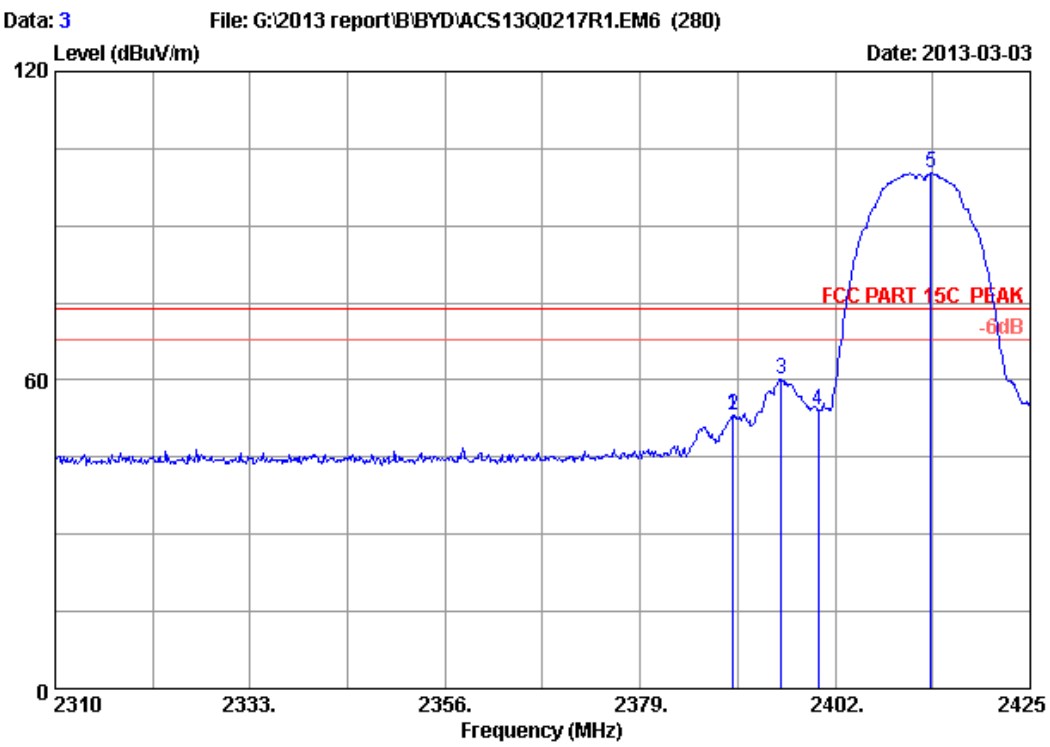
3. EUT is set 3m away from the receiving antenna, which is varied from 1m to 4m to find out the highest emission.

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

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

6.4.Test Results

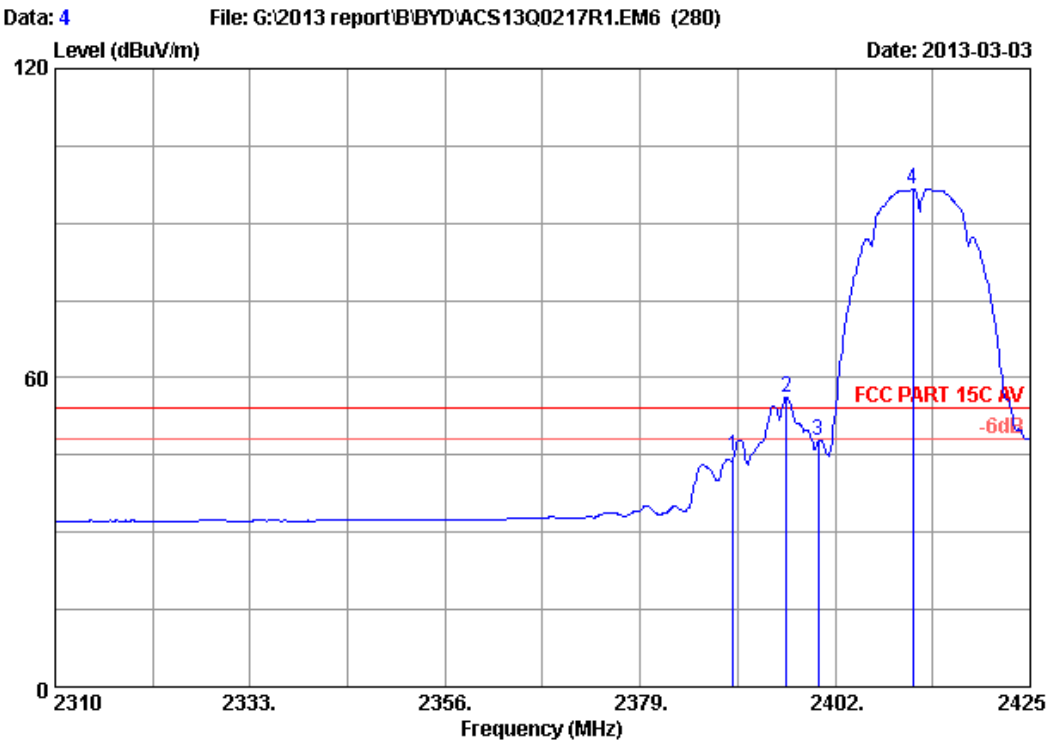
Pass (The testing data was attached in the next pages.)



Site no. : 3m Chamber Data no. : 3
Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : HORIZONTAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23*C/54% Engineer : Leo-Li
EUT : HP Slate 7
Power supply : DC 5V From Adapter Input AC 120V/60Hz
Test mode : IEEE802.11b CH1 2412MHz Tx Mode
M/N : SUN-B12
:

	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2389.925	26.70	6.00	35.92	56.43	53.21	74.00	20.79	Peak
2	2390.000	26.70	6.00	35.92	56.31	53.09	74.00	20.91	Peak
3	2395.675	26.73	6.01	35.92	63.28	60.10	74.00	13.90	Peak
4	2400.000	26.76	6.02	35.92	57.28	54.14	74.00	19.86	Peak
5	2413.270	26.84	6.04	35.92	103.19	100.15	74.00	-26.15	Peak

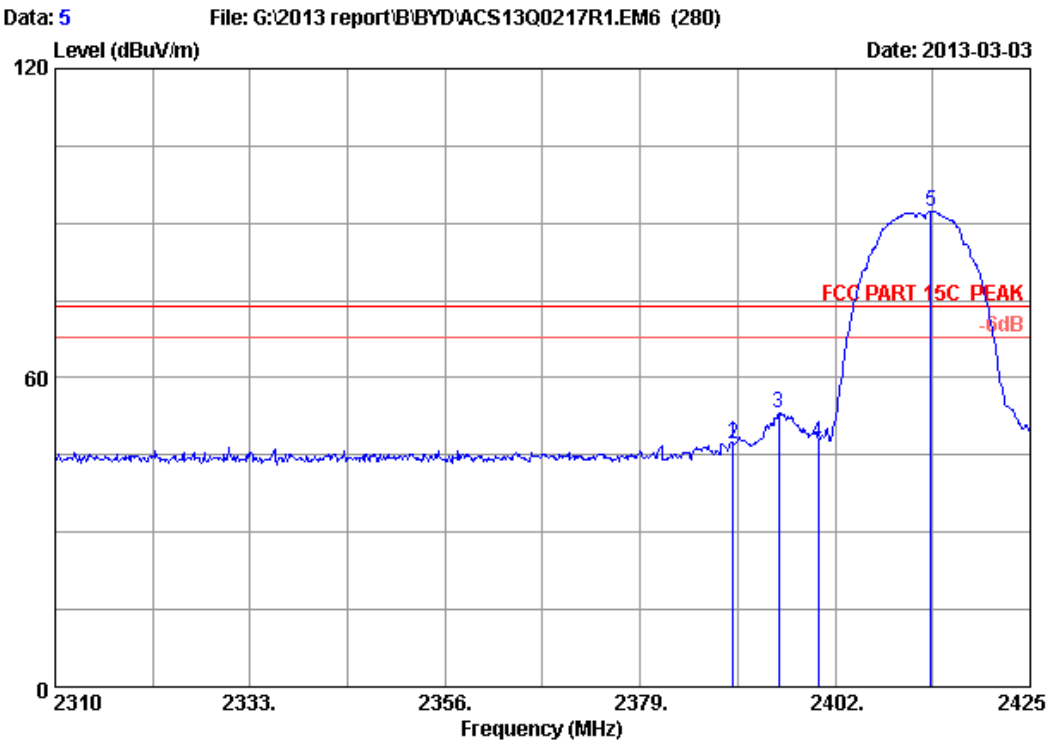
Remarks:
1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 4
Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : HORIZONTAL
Limit : FCC PART 15C AV
Env. / Ins. : 23*C/54% Engineer : Leo-Li
EUT : HP Slate 7
Power supply : DC 5V From Adapter Input AC 120V/60Hz
Test mode : IEEE802.11b CH1 2412MHz Tx Mode
M/N : SUN-B12
:

	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2390.000	26.70	6.00	35.92	47.89	44.67	54.00	9.33	Average
2	2396.250	26.74	6.01	35.92	59.33	56.16	54.00	-2.16	Average
3	2400.000	26.76	6.02	35.92	50.85	47.71	54.00	6.29	Average
4	2411.200	26.83	6.04	35.92	99.76	96.71	54.00	-42.71	Average

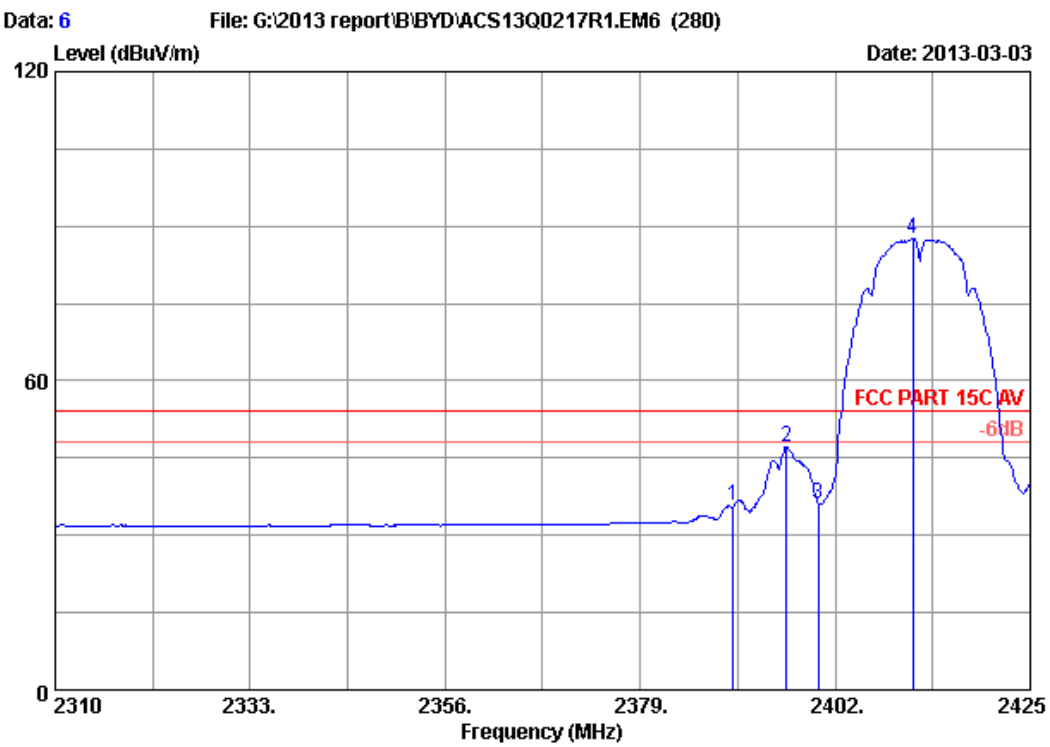
Remarks:
1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 5
Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : VERTICAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23*C/54% Engineer : Leo-Li
EUT : HP Slate 7
Power supply : DC 5V From Adapter Input AC 120V/60Hz
Test mode : IEEE802.11b CH1 2412MHz Tx Mode
M/N : SUN-B12
:

	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2389.925	26.70	6.00	35.92	50.59	47.37	74.00	26.63	Peak
2	2390.000	26.70	6.00	35.92	50.47	47.25	74.00	26.75	Peak
3	2395.330	26.73	6.01	35.92	56.38	53.20	74.00	20.80	Peak
4	2400.000	26.76	6.02	35.92	50.76	47.62	74.00	26.38	Peak
5	2413.270	26.84	6.04	35.92	95.36	92.32	74.00	-18.32	Peak

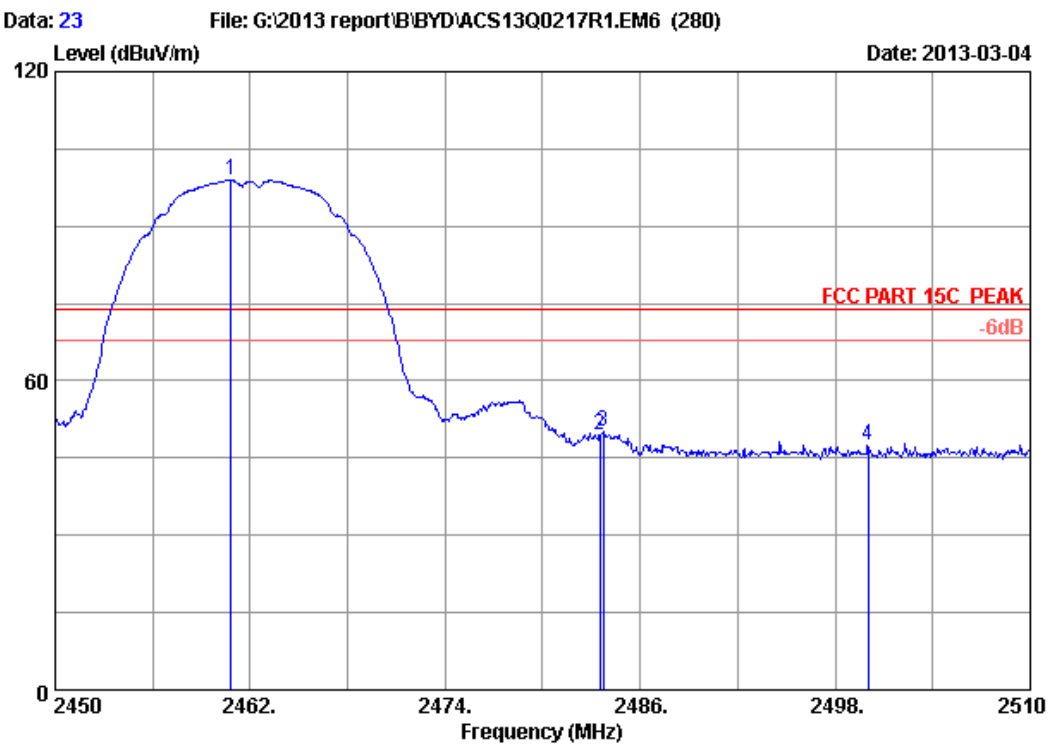
Remarks:
1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 6
Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : VERTICAL
Limit : FCC PART 15C AV
Env. / Ins. : 23*C/54% Engineer : Leo-Li
EUT : HP Slate 7
Power supply : DC 5V From Adapter Input AC 120V/60Hz
Test mode : IEEE802.11b CH1 2412MHz Tx Mode
M/N : SUN-B12
:

	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2390.000	26.70	6.00	35.92	38.96	35.74	54.00	18.26	Average
2	2396.250	26.74	6.01	35.92	50.31	47.14	54.00	6.86	Average
3	2400.000	26.76	6.02	35.92	39.40	36.26	54.00	17.74	Average
4	2411.200	26.83	6.04	35.92	90.65	87.60	54.00	-33.60	Average

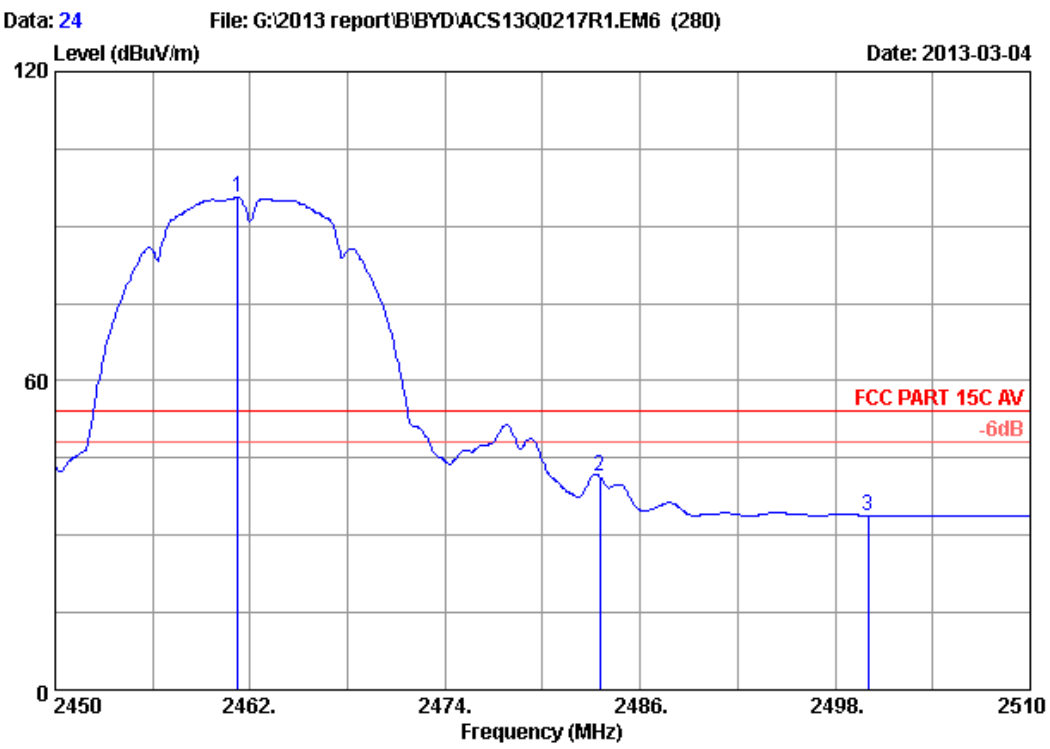
Remarks:
1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 23
Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : HORIZONTAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23*C/54% Engineer : Leo-Li
EUT : HP Slate 7
Power supply : DC 5V From Adapter Input AC 120V/60Hz
Test mode : IEEE802.11b CH11 2462MHz Tx Mode
M/N : SUN-B12
:

	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2460.800	27.15	6.12	35.92	101.53	98.88	74.00	-24.88	Peak
2	2483.500	27.29	6.16	35.92	51.94	49.47	74.00	24.53	Peak
3	2483.720	27.30	6.16	35.92	52.49	50.03	74.00	23.97	Peak
4	2500.000	27.40	6.19	35.93	49.68	47.34	74.00	26.66	Peak

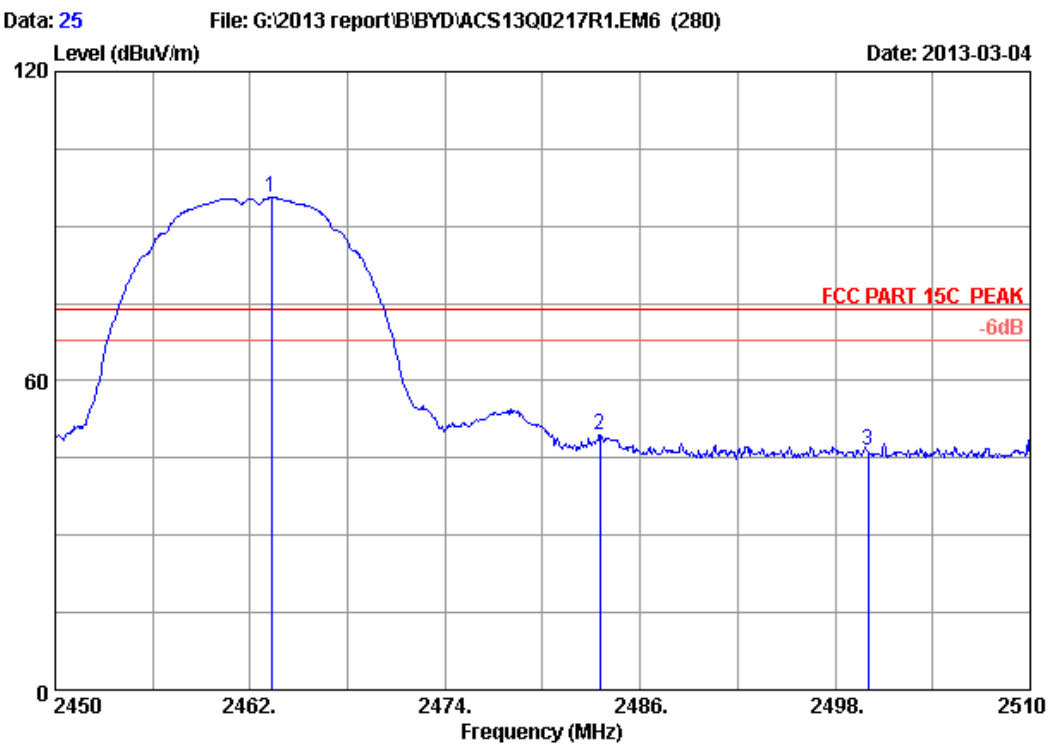
Remarks:
1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 24
Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : HORIZONTAL
Limit : FCC PART 15C AV
Env. / Ins. : 23*C/54% Engineer : Leo-Li
EUT : HP Slate 7
Power supply : DC 5V From Adapter Input AC 120V/60Hz
Test mode : IEEE802.11b CH11 2462MHz Tx Mode
M/N : SUN-B12
:

	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2461.220	27.15	6.12	35.92	98.20	95.55	54.00	-41.55	Average
2	2483.500	27.29	6.16	35.92	43.88	41.41	54.00	12.59	Average
3	2500.000	27.40	6.19	35.93	36.11	33.77	54.00	20.23	Average

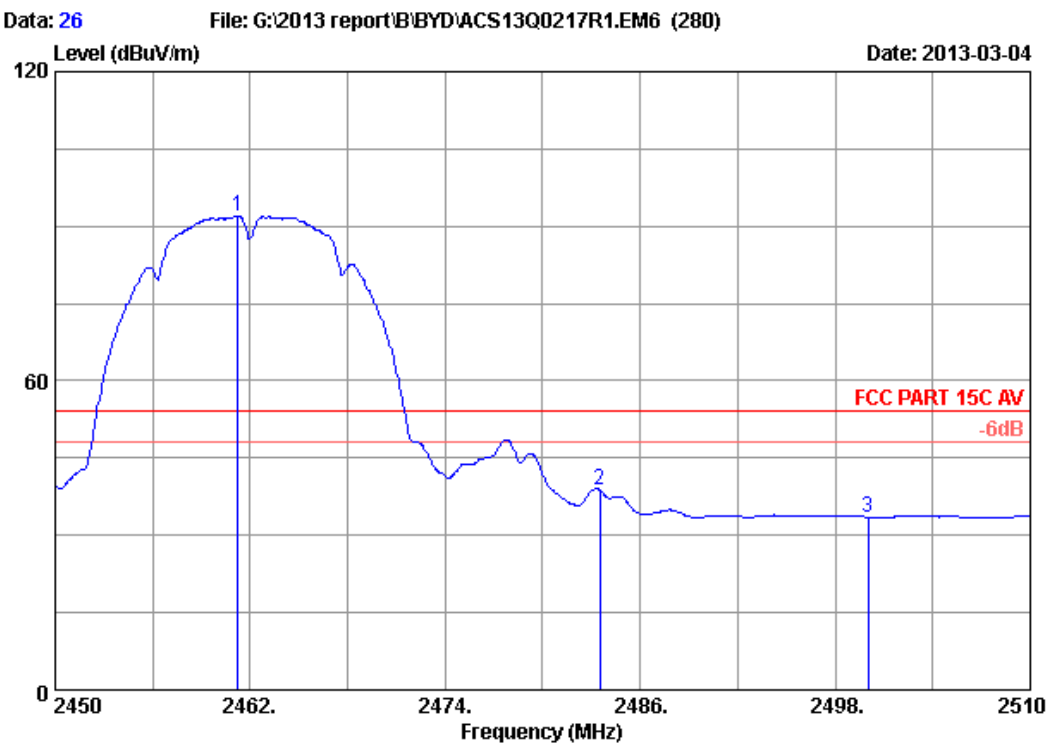
Remarks:
1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 25
Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : VERTICAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23*C/54% Engineer : Leo-Li
EUT : HP Slate 7
Power supply : DC 5V From Adapter Input AC 120V/60Hz
Test mode : IEEE802.11b CH11 2462MHz Tx Mode
M/N : SUN-B12
:

	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2463.320	27.17	6.12	35.92	98.14	95.51	74.00	-21.51	Peak
2	2483.500	27.29	6.16	35.92	51.80	49.33	74.00	24.67	Peak
3	2500.000	27.40	6.19	35.93	48.87	46.53	74.00	27.47	Peak

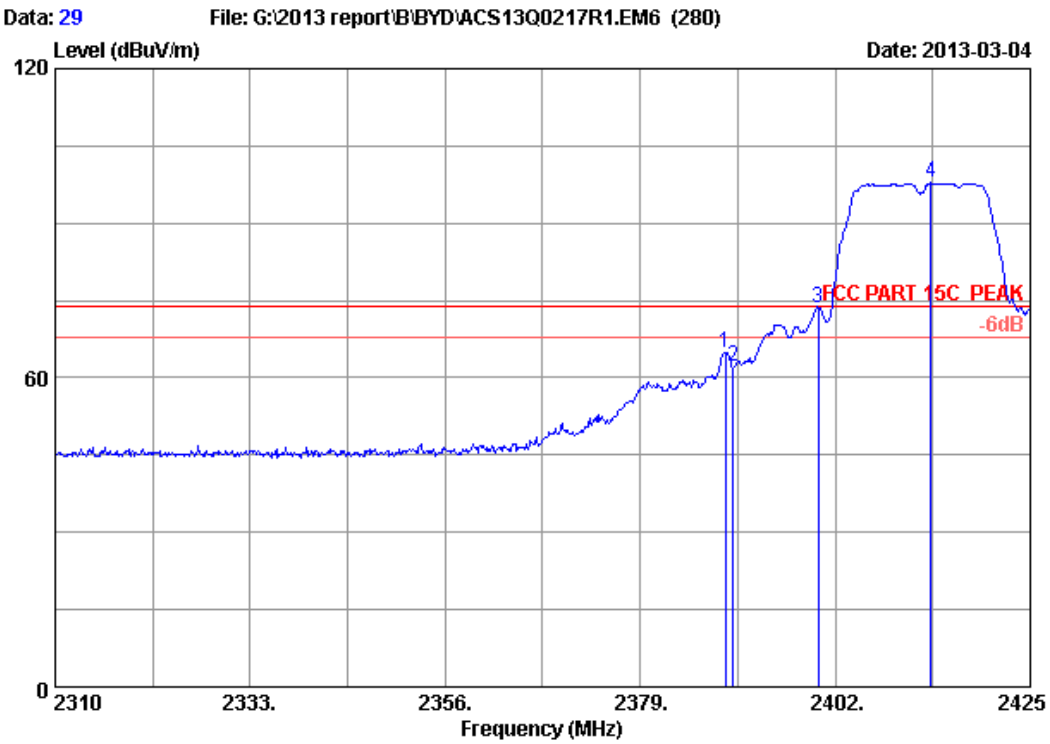
Remarks:
1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 26
Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : VERTICAL
Limit : FCC PART 15C AV
Env. / Ins. : 23*C/54% Engineer : Leo-Li
EUT : HP Slate 7
Power supply : DC 5V From Adapter Input AC 120V/60Hz
Test mode : IEEE802.11b CH11 2462MHz Tx Mode
M/N : SUN-B12
:

	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2461.220	27.15	6.12	35.92	94.64	91.99	54.00	-37.99	Average
2	2483.500	27.29	6.16	35.92	41.27	38.80	54.00	15.20	Average
3	2500.000	27.40	6.19	35.93	35.90	33.56	54.00	20.44	Average

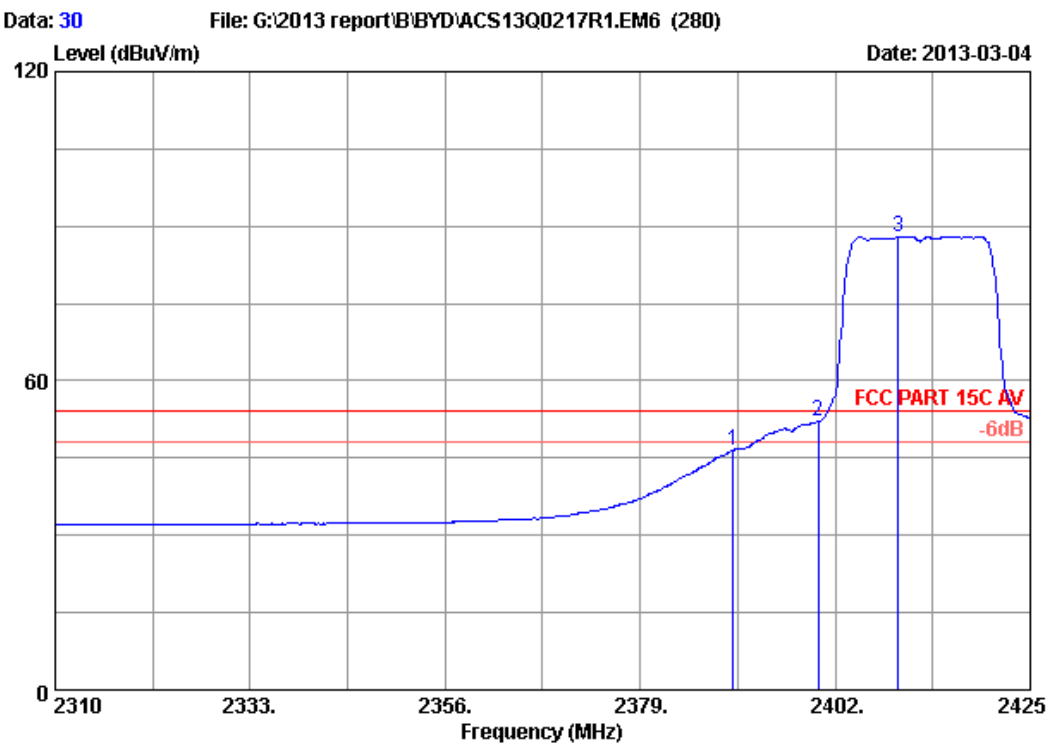
Remarks:
1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 29
Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : HORIZONTAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23*C/54% Engineer : Leo-Li
EUT : HP Slate 7
Power supply : DC 5V From Adapter Input AC 120V/60Hz
Test mode : IEEE802.11g CH1 2412MHz Tx Mode
M/N : SUN-B12
:

	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2389.005	26.69	6.00	35.92	68.20	64.97	74.00	9.03	Peak
2	2390.000	26.70	6.00	35.92	65.34	62.12	74.00	11.88	Peak
3	2400.000	26.76	6.02	35.92	76.78	73.64	74.00	0.36	Peak
4	2413.270	26.84	6.04	35.92	100.82	97.78	74.00	-23.78	Peak

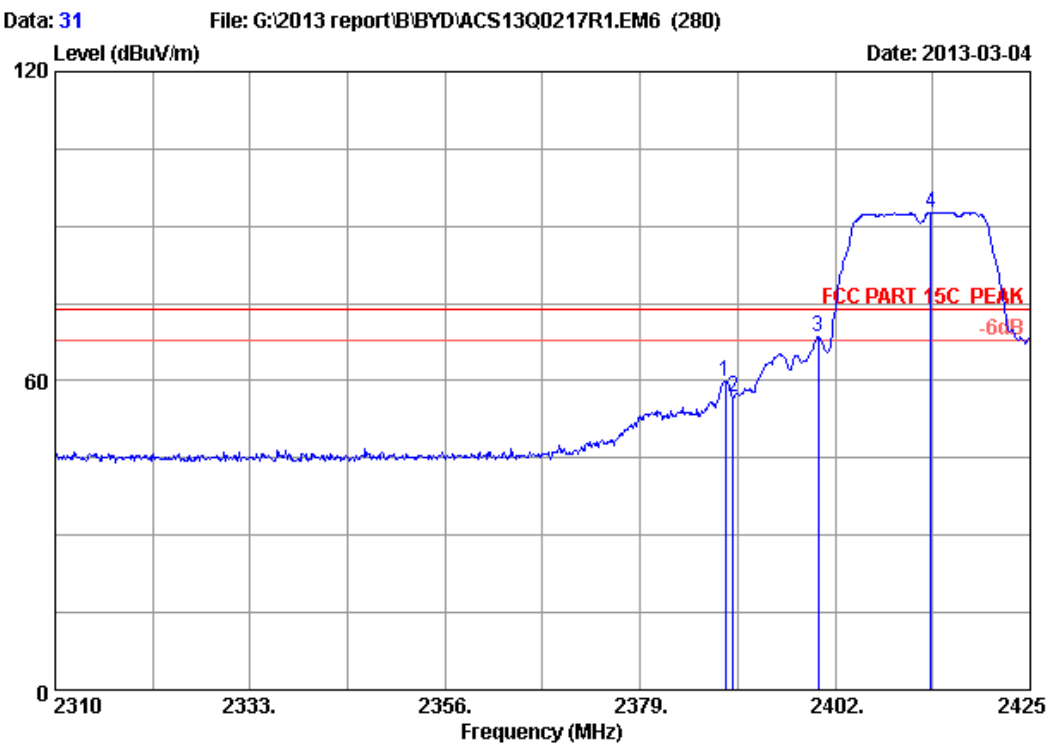
Remarks:
1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 30
Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : HORIZONTAL
Limit : FCC PART 15C AV
Env. / Ins. : 23*C/54% Engineer : Leo-Li
EUT : HP Slate 7
Power supply : DC 5V From Adapter Input AC 120V/60Hz
Test mode : IEEE802.11g CH1 2412MHz Tx Mode
M/N : SUN-B12
:

	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2390.000	26.70	6.00	35.92	49.83	46.61	54.00	7.39	Average
2	2400.000	26.76	6.02	35.92	55.29	52.15	54.00	1.85	Average
3	2409.475	26.82	6.03	35.92	91.04	87.97	54.00	-33.97	Average

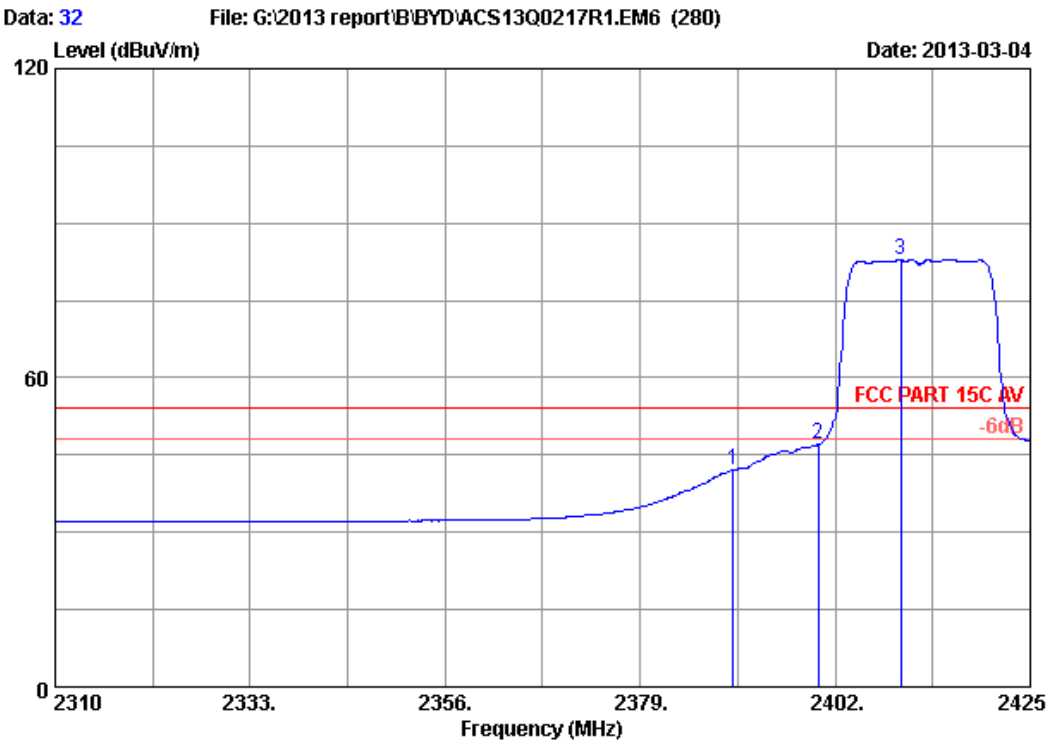
Remarks:
1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 31
Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : VERTICAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23*C/54% Engineer : Leo-Li
EUT : HP Slate 7
Power supply : DC 5V From Adapter Input AC 120V/60Hz
Test mode : IEEE802.11g CH1 2412MHz Tx Mode
M/N : SUN-B12
:

	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2389.005	26.69	6.00	35.92	63.11	59.88	74.00	14.12	Peak
2	2390.000	26.70	6.00	35.92	60.17	56.95	74.00	17.05	Peak
3	2400.000	26.76	6.02	35.92	71.56	68.42	74.00	5.58	Peak
4	2413.270	26.84	6.04	35.92	95.75	92.71	74.00	-18.71	Peak

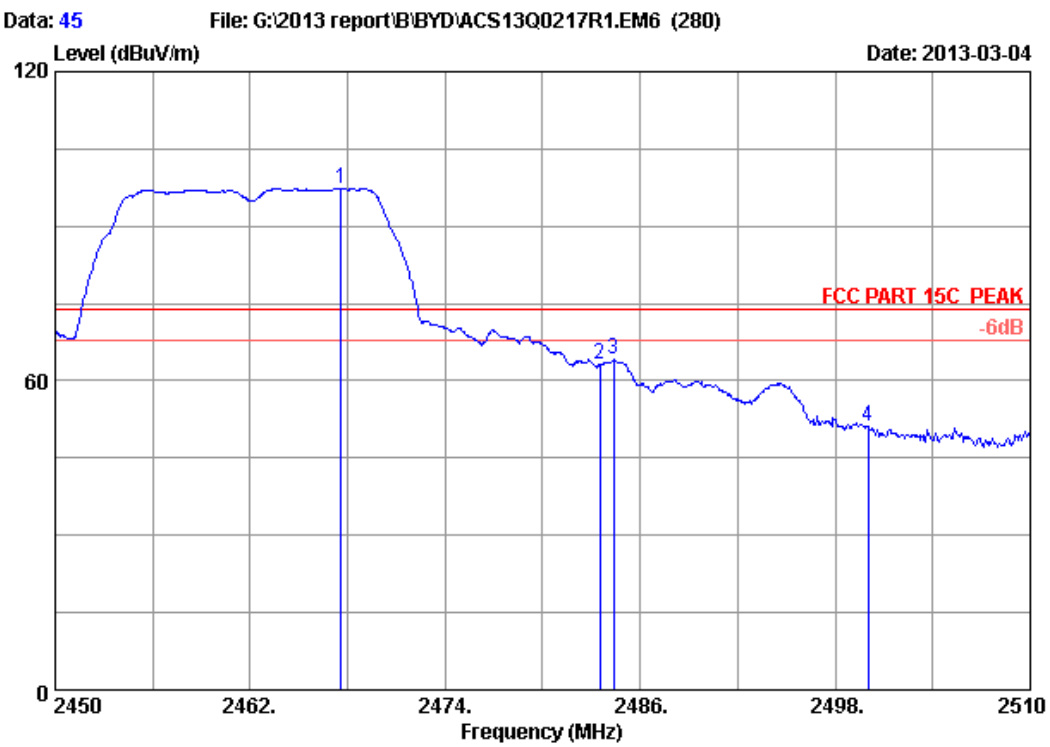
Remarks:
1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 32
Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : VERTICAL
Limit : FCC PART 15C AV
Env. / Ins. : 23*C/54% Engineer : Leo-Li
EUT : HP Slate 7
Power supply : DC 5V From Adapter Input AC 120V/60Hz
Test mode : IEEE802.11g CH1 2412MHz Tx Mode
M/N : SUN-B12
:

	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2390.000	26.70	6.00	35.92	45.41	42.19	54.00	11.81	Average
2	2400.000	26.76	6.02	35.92	50.22	47.08	54.00	6.92	Average
3	2409.705	26.82	6.03	35.92	85.95	82.88	54.00	-28.88	Average

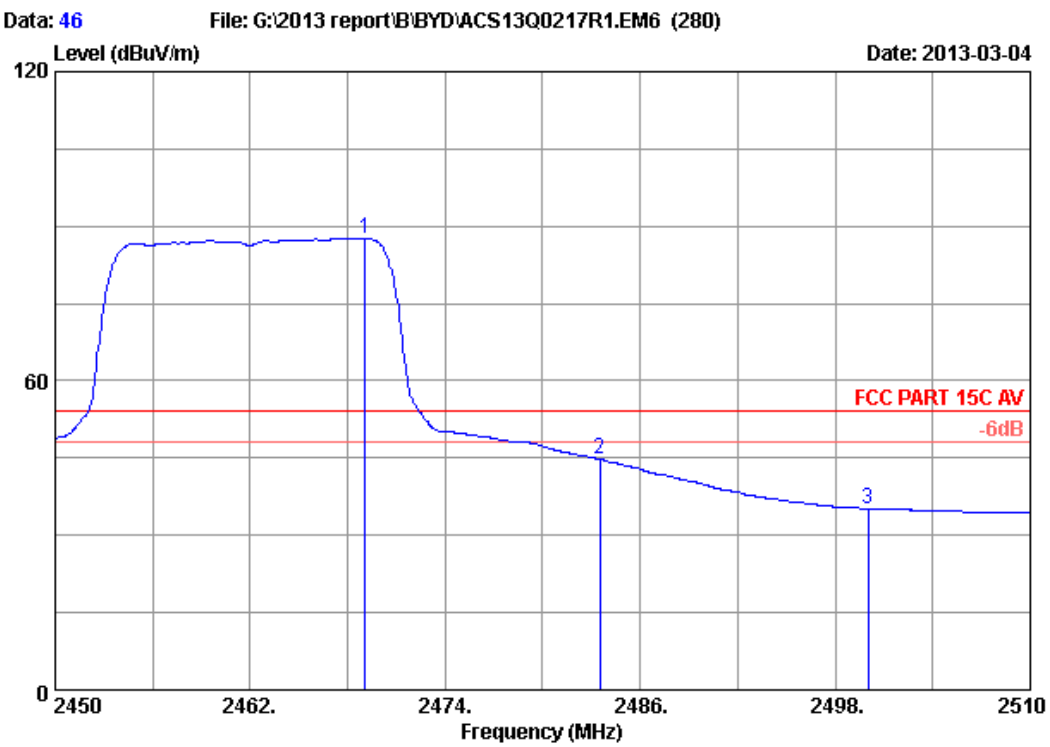
Remarks:
1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 45
Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : HORIZONTAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23*C/54% Engineer : Leo-Li
EUT : HP Slate 7
Power supply : DC 5V From Adapter Input AC 120V/60Hz
Test mode : IEEE802.11g CH11 2462MHz Tx Mode
M/N : SUN-B12
:

	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2467.580	27.19	6.13	35.92	99.86	97.26	74.00	-23.26	Peak
2	2483.500	27.29	6.16	35.92	65.54	63.07	74.00	10.93	Peak
3	2484.380	27.30	6.16	35.92	66.58	64.12	74.00	9.88	Peak
4	2500.000	27.40	6.19	35.93	53.58	51.24	74.00	22.76	Peak

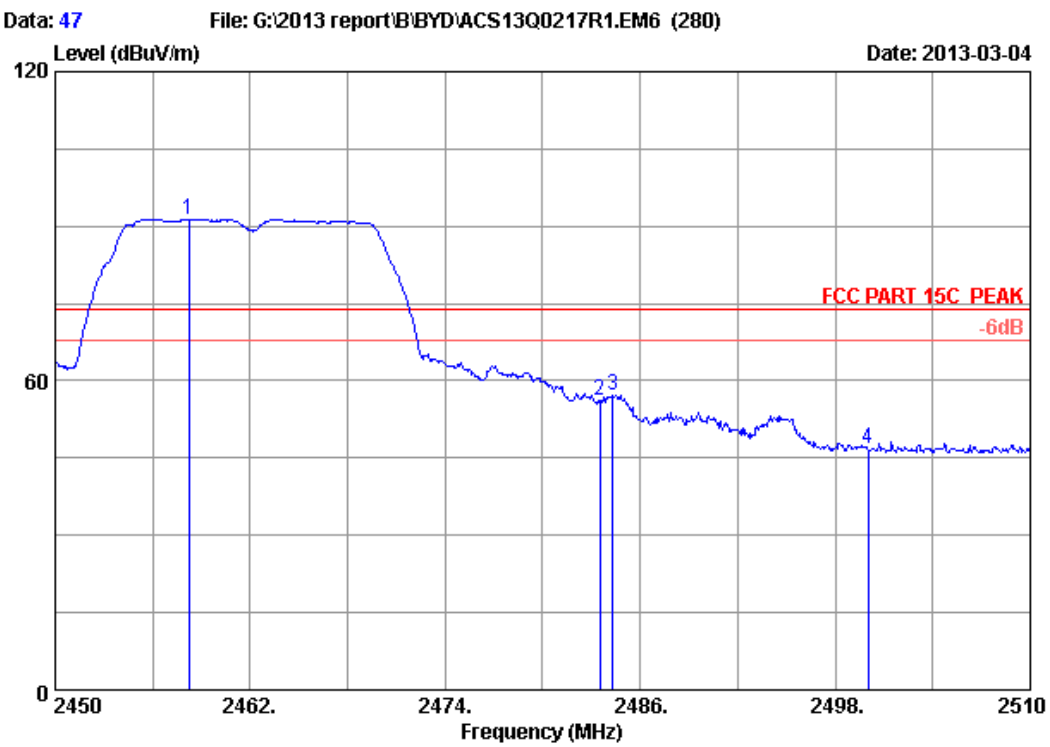
Remarks:
1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 46
Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : HORIZONTAL
Limit : FCC PART 15C AV
Env. / Ins. : 23*C/54% Engineer : Leo-Li
EUT : HP Slate 7
Power supply : DC 5V From Adapter Input AC 120V/60Hz
Test mode : IEEE802.11g CH11 2462MHz Tx Mode
M/N : SUN-B12
:

	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2469.080	27.20	6.13	35.92	90.16	87.57	54.00	-33.57	Average
2	2483.500	27.29	6.16	35.92	47.25	44.78	54.00	9.22	Average
3	2500.000	27.40	6.19	35.93	37.58	35.24	54.00	18.76	Average

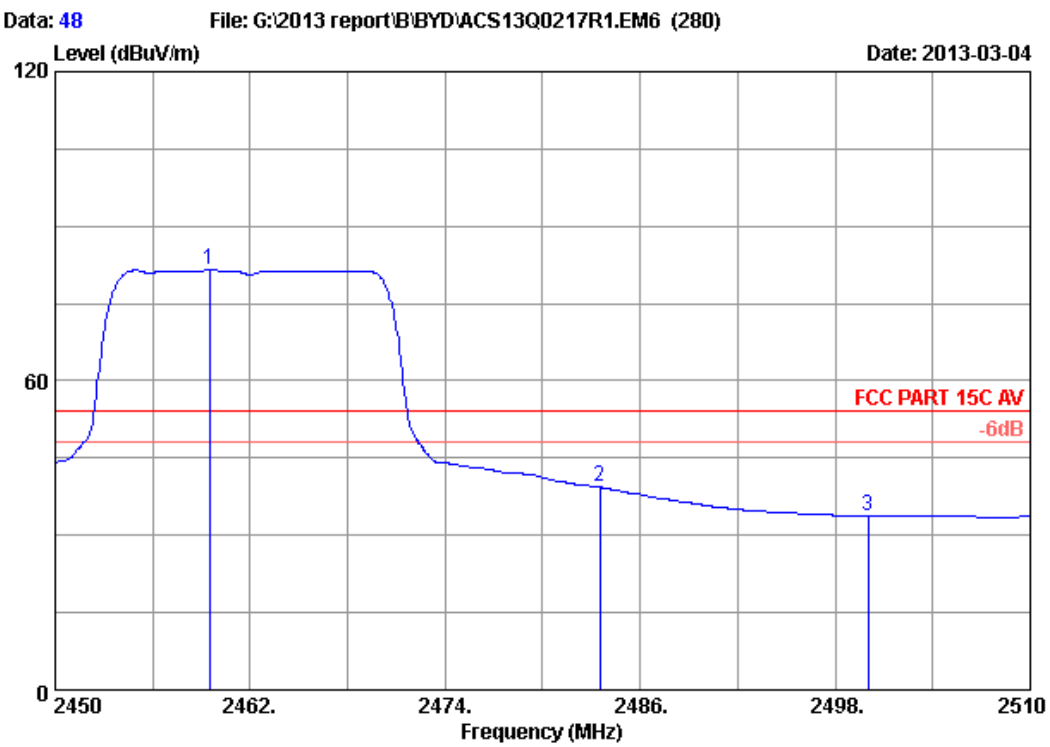
Remarks:
1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 47
Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : VERTICAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23*C/54% Engineer : Leo-Li
EUT : HP Slate 7
Power supply : DC 5V From Adapter Input AC 120V/60Hz
Test mode : IEEE802.11g CH11 2462MHz Tx Mode
M/N : SUN-B12
:

	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2458.220	27.13	6.12	35.92	94.03	91.36	74.00	-17.36	Peak
2	2483.500	27.29	6.16	35.92	58.57	56.10	74.00	17.90	Peak
3	2484.320	27.30	6.16	35.92	59.58	57.12	74.00	16.88	Peak
4	2500.000	27.40	6.19	35.93	49.06	46.72	74.00	27.28	Peak

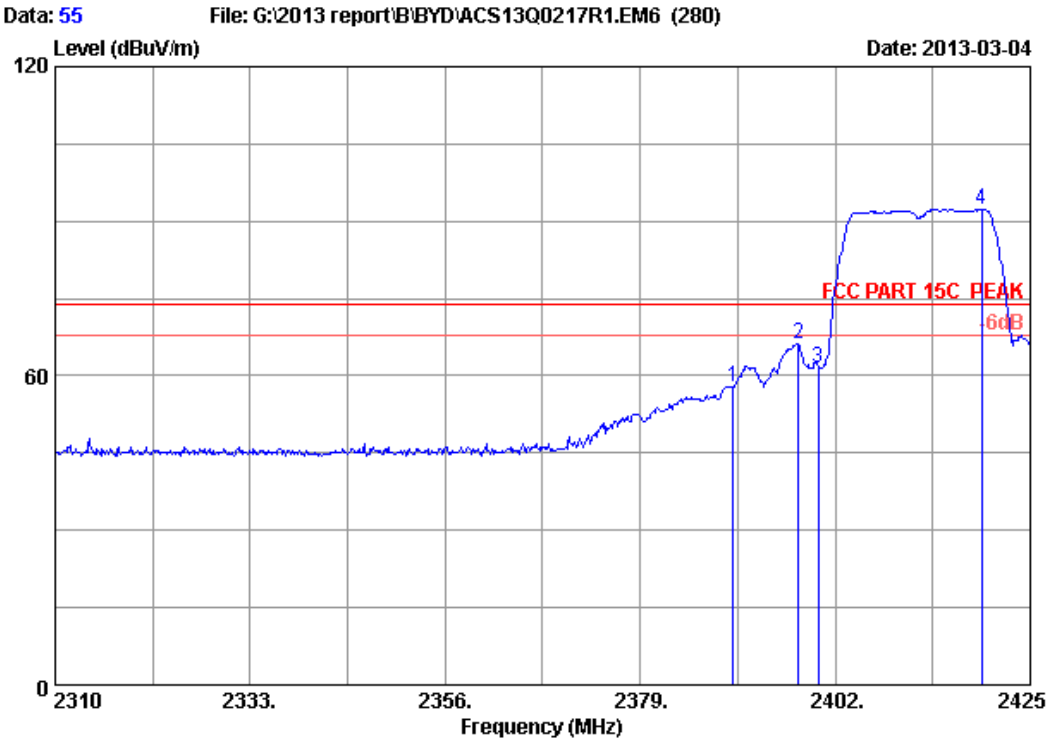
Remarks:
1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 48
Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : VERTICAL
Limit : FCC PART 15C AV
Env. / Ins. : 23*C/54% Engineer : Leo-Li
EUT : HP Slate 7
Power supply : DC 5V From Adapter Input AC 120V/60Hz
Test mode : IEEE802.11g CH11 2462MHz Tx Mode
M/N : SUN-B12
:

	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2459.480	27.14	6.12	35.92	84.24	81.58	54.00	-27.58	Average
2	2483.500	27.29	6.16	35.92	41.82	39.35	54.00	14.65	Average
3	2500.000	27.40	6.19	35.93	36.12	33.78	54.00	20.22	Average

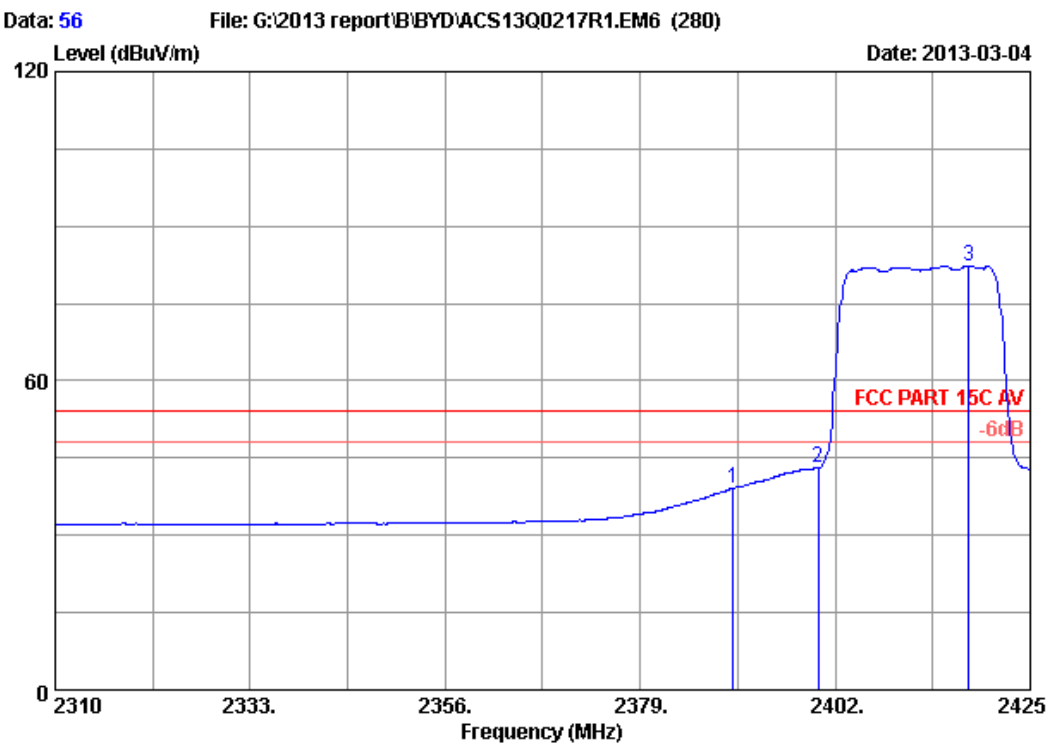
Remarks:
1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 55
Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : VERTICAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23*C/54% Engineer : Leo-Li
EUT : HP Slate 7
Power supply : DC 5V From Adapter Input AC 120V/60Hz
Test mode : IEEE802.11nHT20 CH1 2412MHz Tx Mode
M/N : SUN-B12
:

	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2390.000	26.70	6.00	35.92	61.20	57.98	74.00	16.02	Peak
2	2397.630	26.74	6.01	35.92	69.38	66.21	74.00	7.79	Peak
3	2400.000	26.76	6.02	35.92	64.70	61.56	74.00	12.44	Peak
4	2419.250	26.88	6.05	35.92	95.27	92.28	74.00	-18.28	Peak

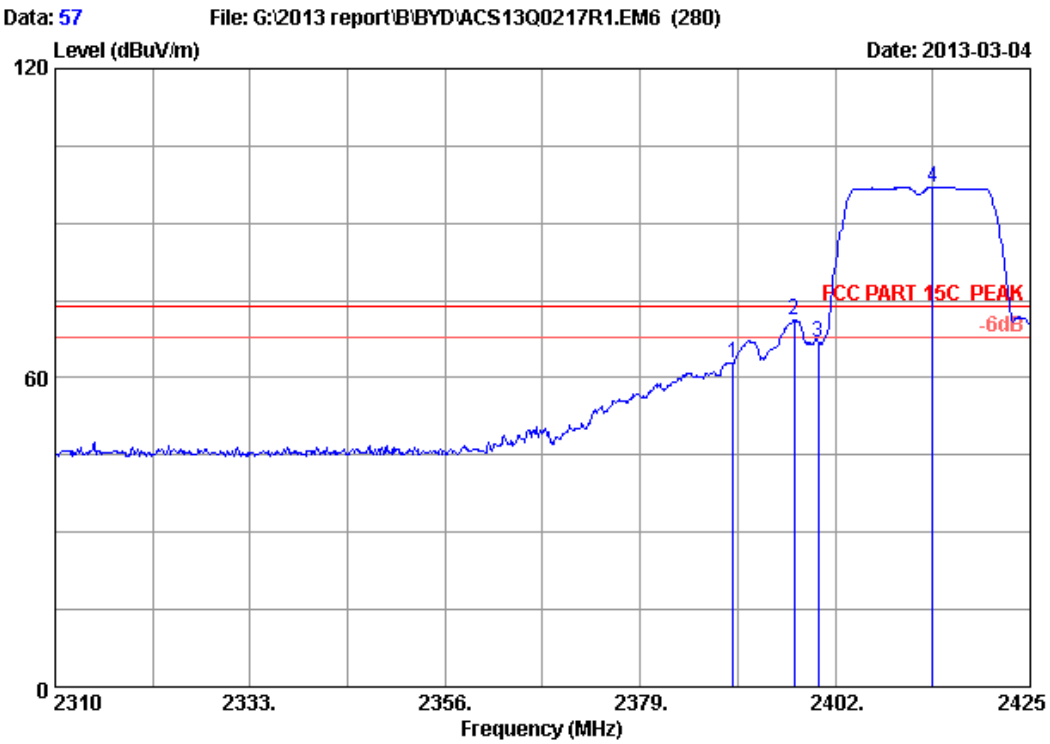
Remarks:
1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 56
Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : VERTICAL
Limit : FCC PART 15C AV
Env. / Ins. : 23*C/54% Engineer : Leo-Li
EUT : HP Slate 7
Power supply : DC 5V From Adapter Input AC 120V/60Hz
Test mode : IEEE802.11nHT20 CH1 2412MHz Tx Mode
M/N : SUN-B12
:

	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2390.000	26.70	6.00	35.92	42.46	39.24	54.00	14.76	Average
2	2400.000	26.76	6.02	35.92	46.23	43.09	54.00	10.91	Average
3	2417.755	26.87	6.05	35.92	85.20	82.20	54.00	-28.20	Average

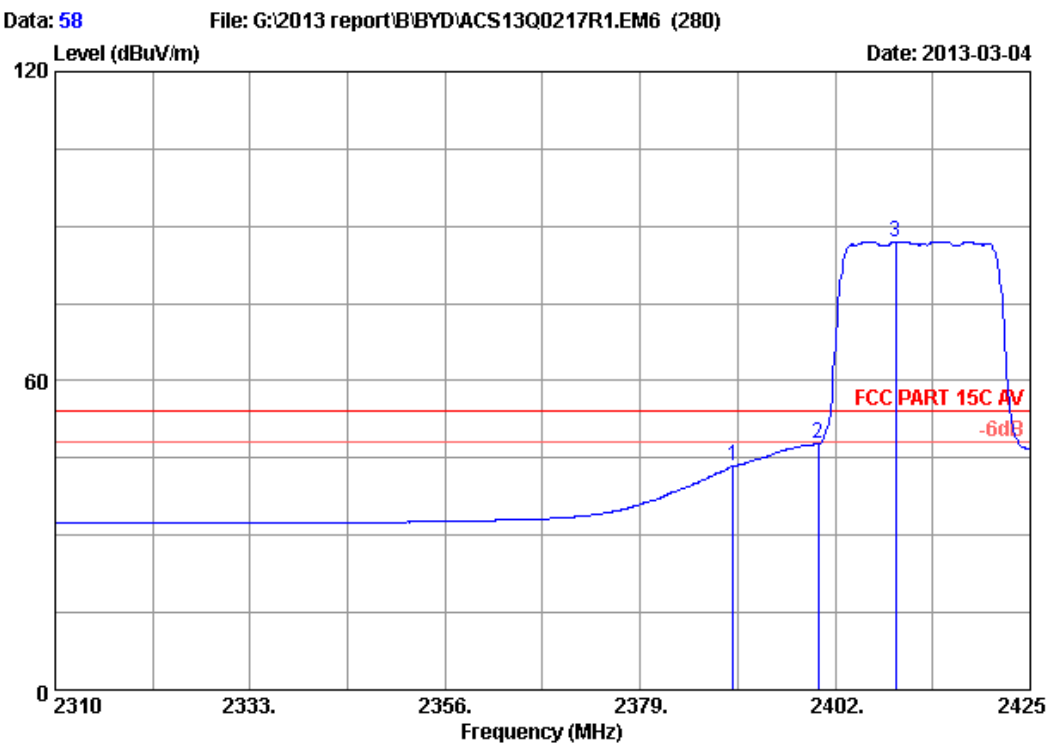
Remarks:
1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 57
Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : HORIZONTAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23*C/54% Engineer : Leo-Li
EUT : HP Slate 7
Power supply : DC 5V From Adapter Input AC 120V/60Hz
Test mode : IEEE802.11nHT20 CH1 2412MHz Tx Mode
M/N : SUN-B12
:

	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2390.000	26.70	6.00	35.92	66.13	62.91	74.00	11.09	Peak
2	2397.170	26.74	6.01	35.92	74.46	71.29	74.00	2.71	Peak
3	2400.000	26.76	6.02	35.92	70.10	66.96	74.00	7.04	Peak
4	2413.500	26.85	6.04	35.92	100.03	97.00	74.00	-23.00	Peak

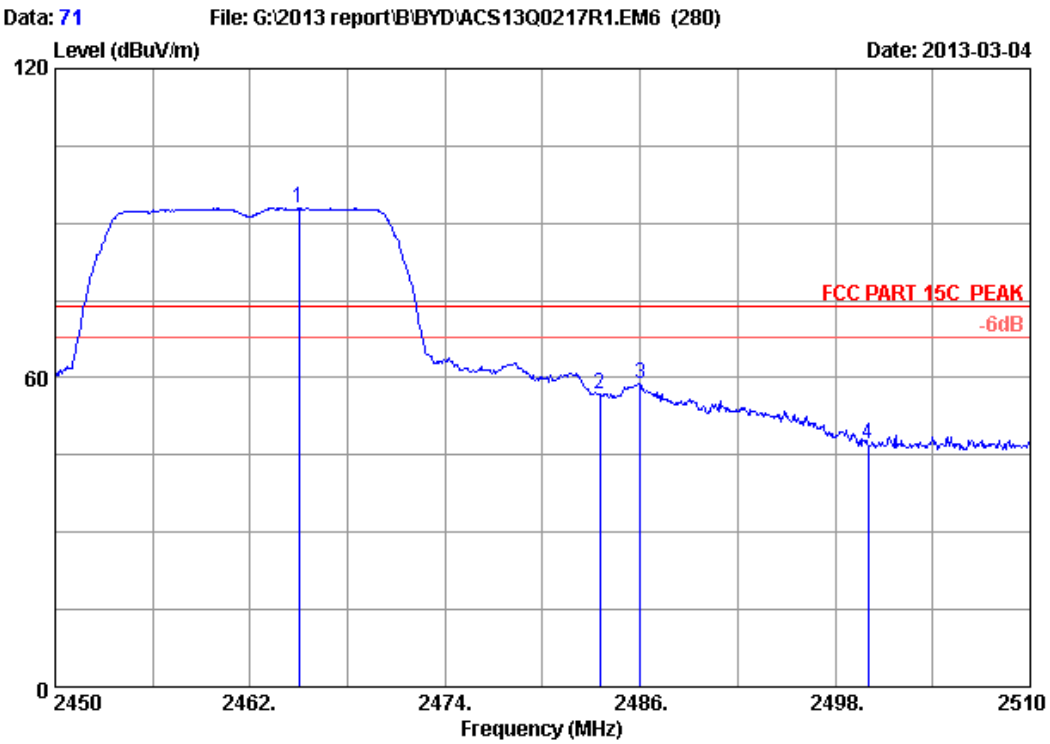
Remarks:
1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 58
Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : HORIZONTAL
Limit : FCC PART 15C AV
Env. / Ins. : 23*C/54% Engineer : Leo-Li
EUT : HP Slate 7
Power supply : DC 5V From Adapter Input AC 120V/60Hz
Test mode : IEEE802.11nHT20 CH1 2412MHz Tx Mode
M/N : SUN-B12
:

	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2390.000	26.70	6.00	35.92	46.71	43.49	54.00	10.51	Average
2	2400.000	26.76	6.02	35.92	50.91	47.77	54.00	6.23	Average
3	2409.130	26.82	6.03	35.92	90.05	86.98	54.00	-32.98	Average

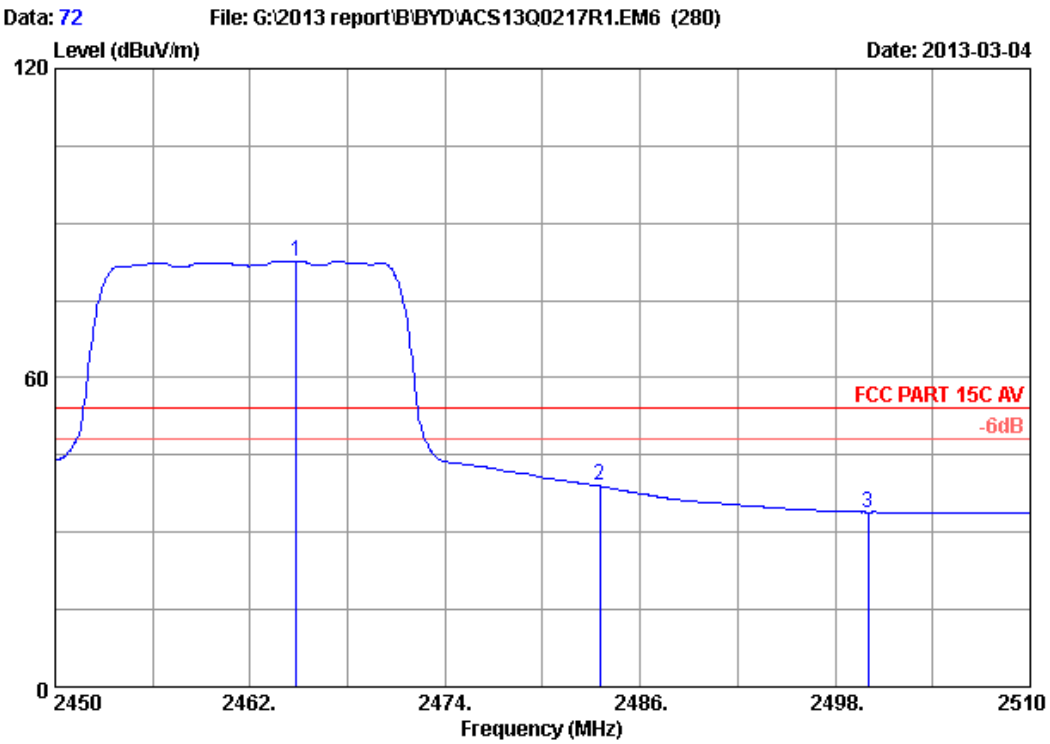
Remarks:
1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 71
Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : VERTICAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23*C/54% Engineer : Leo-Li
EUT : HP Slate 7
Power supply : DC 5V From Adapter Input AC 120V/60Hz
Test mode : IEEE802.11nHT20 CH11 2462MHz Tx Mode
M/N : SUN-B12
:

	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2465.000	27.18	6.13	35.92	95.49	92.88	74.00	-18.88	Peak
2	2483.500	27.29	6.16	35.92	59.27	56.80	74.00	17.20	Peak
3	2486.000	27.31	6.16	35.92	61.44	58.99	74.00	15.01	Peak
4	2500.000	27.40	6.19	35.93	49.51	47.17	74.00	26.83	Peak

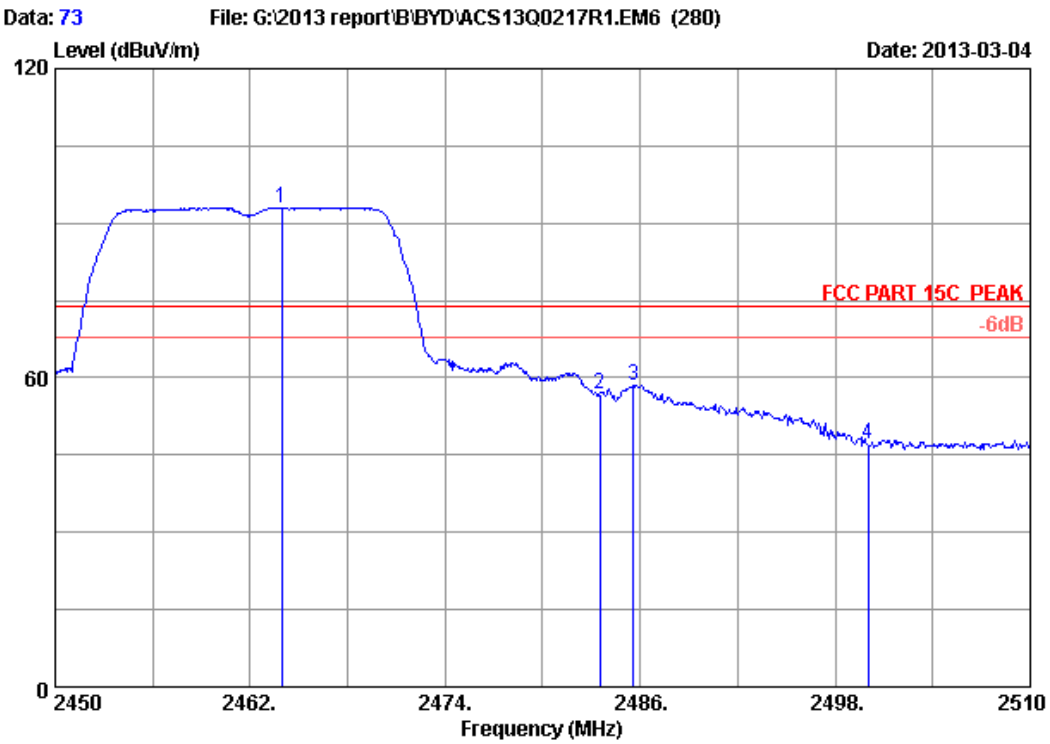
Remarks:
1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 72
Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : VERTICAL
Limit : FCC PART 15C AV
Env. / Ins. : 23*C/54% Engineer : Leo-Li
EUT : HP Slate 7
Power supply : DC 5V From Adapter Input AC 120V/60Hz
Test mode : IEEE802.11nHT20 CH11 2462MHz Tx Mode
M/N : SUN-B12
:

	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2464.820	27.17	6.13	35.92	85.27	82.65	54.00	-28.65	Average
2	2483.500	27.29	6.16	35.92	41.46	38.99	54.00	15.01	Average
3	2500.000	27.40	6.19	35.93	36.26	33.92	54.00	20.08	Average

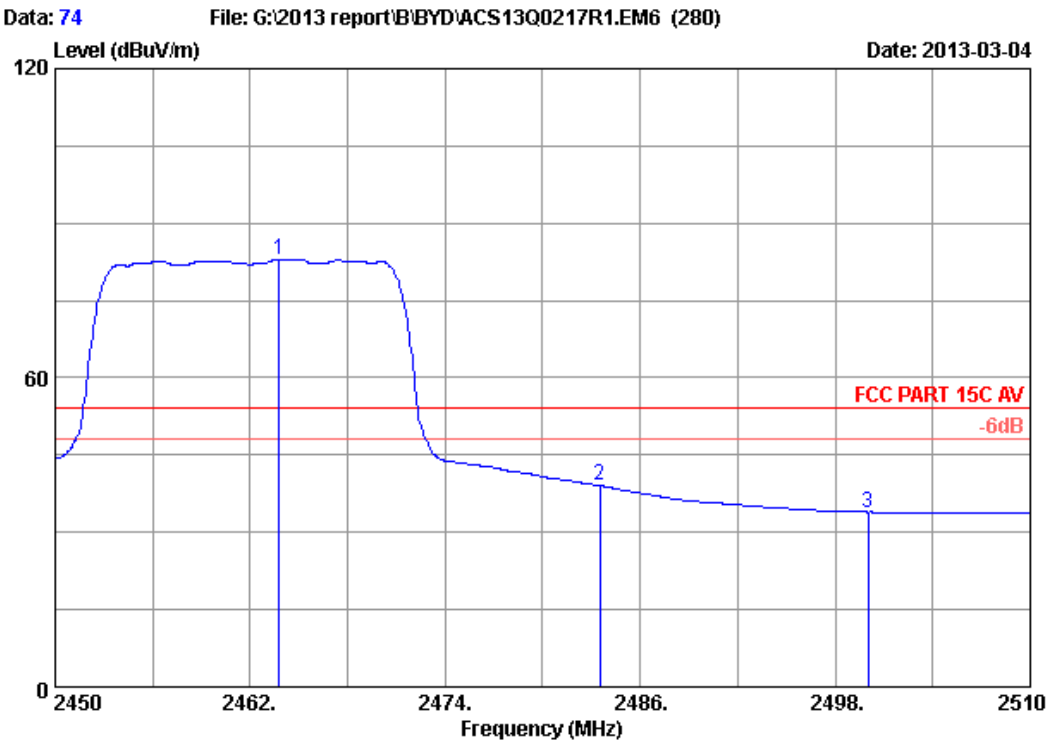
Remarks:
1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 73
Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : HORIZONTAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23*C/54% Engineer : Leo-Li
EUT : HP Slate 7
Power supply : DC 5V From Adapter Input AC 120V/60Hz
Test mode : IEEE802.11nHT20 CH11 2462MHz Tx Mode
M/N : SUN-B12
:

	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2463.920	27.17	6.13	35.92	95.62	93.00	74.00	-19.00	Peak
2	2483.500	27.29	6.16	35.92	59.34	56.87	74.00	17.13	Peak
3	2485.580	27.31	6.16	35.92	61.02	58.57	74.00	15.43	Peak
4	2500.000	27.40	6.19	35.93	49.44	47.10	74.00	26.90	Peak

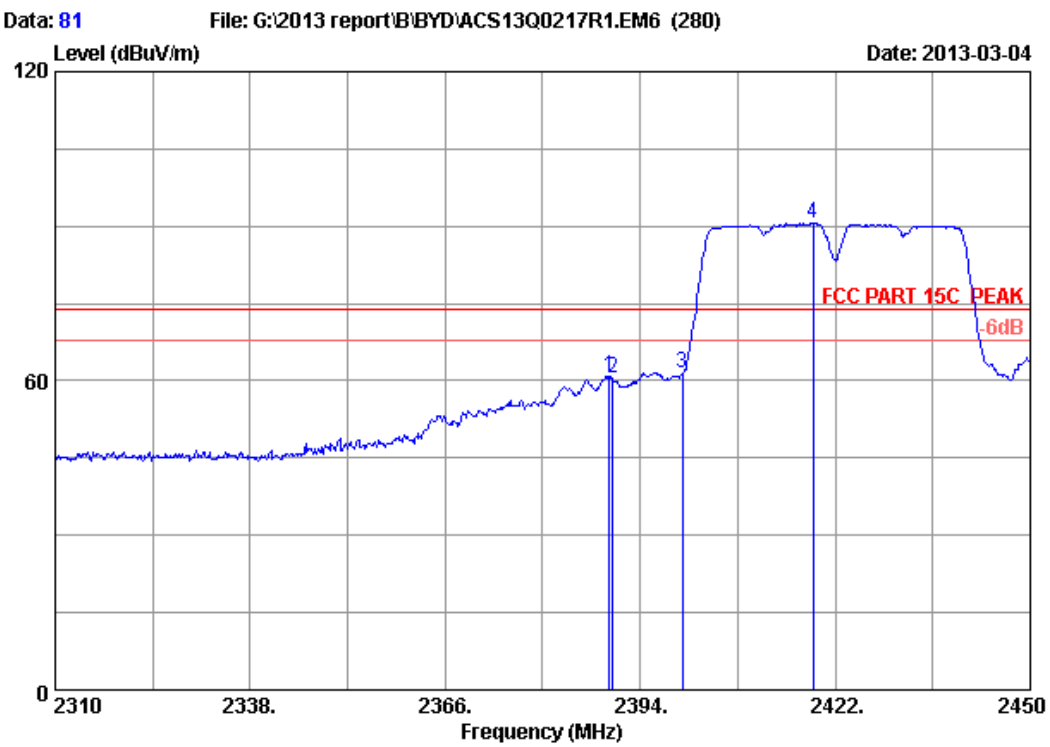
Remarks:
1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 74
Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : HORIZONTAL
Limit : FCC PART 15C AV
Env. / Ins. : 23*C/54% Engineer : Leo-Li
EUT : HP Slate 7
Power supply : DC 5V From Adapter Input AC 120V/60Hz
Test mode : IEEE802.11nHT20 CH11 2462MHz Tx Mode
M/N : SUN-B12
:

	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2463.800	27.17	6.13	35.92	85.51	82.89	54.00	-28.89	Average
2	2483.500	27.29	6.16	35.92	41.52	39.05	54.00	14.95	Average
3	2500.000	27.40	6.19	35.93	36.26	33.92	54.00	20.08	Average

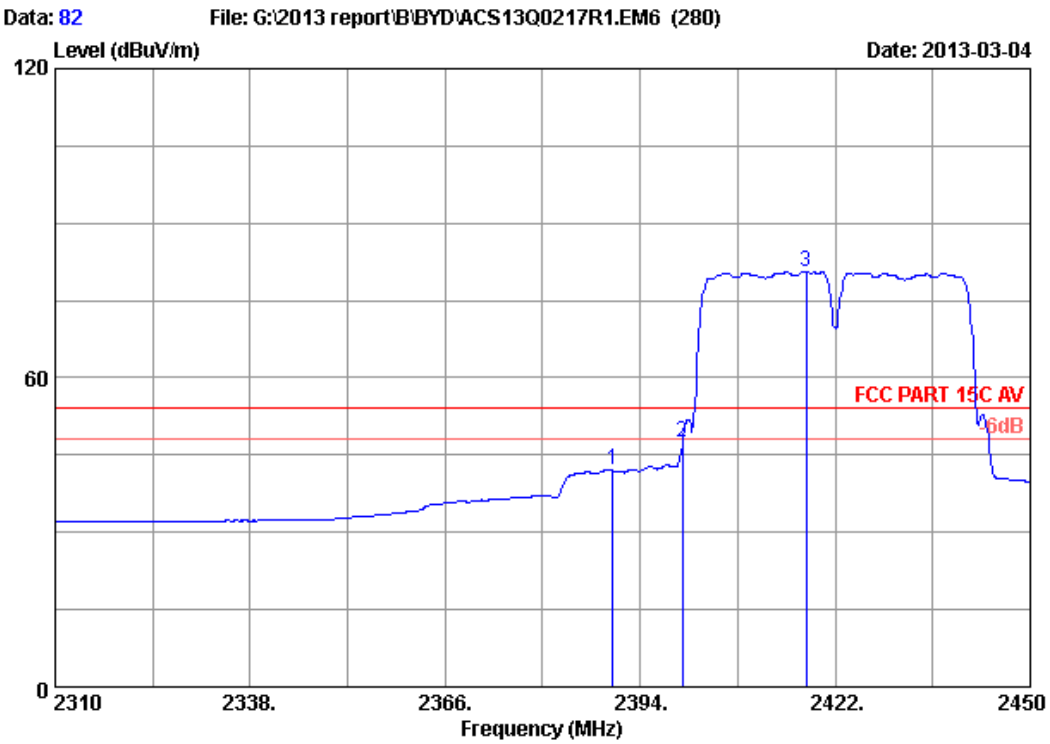
Remarks:
1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 81
Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : HORIZONTAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23*C/54% Engineer : Leo-Li
EUT : HP Slate 7
Power supply : DC 5V From Adapter Input AC 120V/60Hz
Test mode : IEEE802.11nHT40 CH1 2422MHz Tx Mode
M/N : SUN-B12
:

	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2389.520	26.69	6.00	35.92	64.08	60.85	74.00	13.15	Peak
2	2390.000	26.70	6.00	35.92	63.81	60.59	74.00	13.41	Peak
3	2400.000	26.76	6.02	35.92	64.49	61.35	74.00	12.65	Peak
4	2418.780	26.88	6.05	35.92	93.55	90.56	74.00	-16.56	Peak

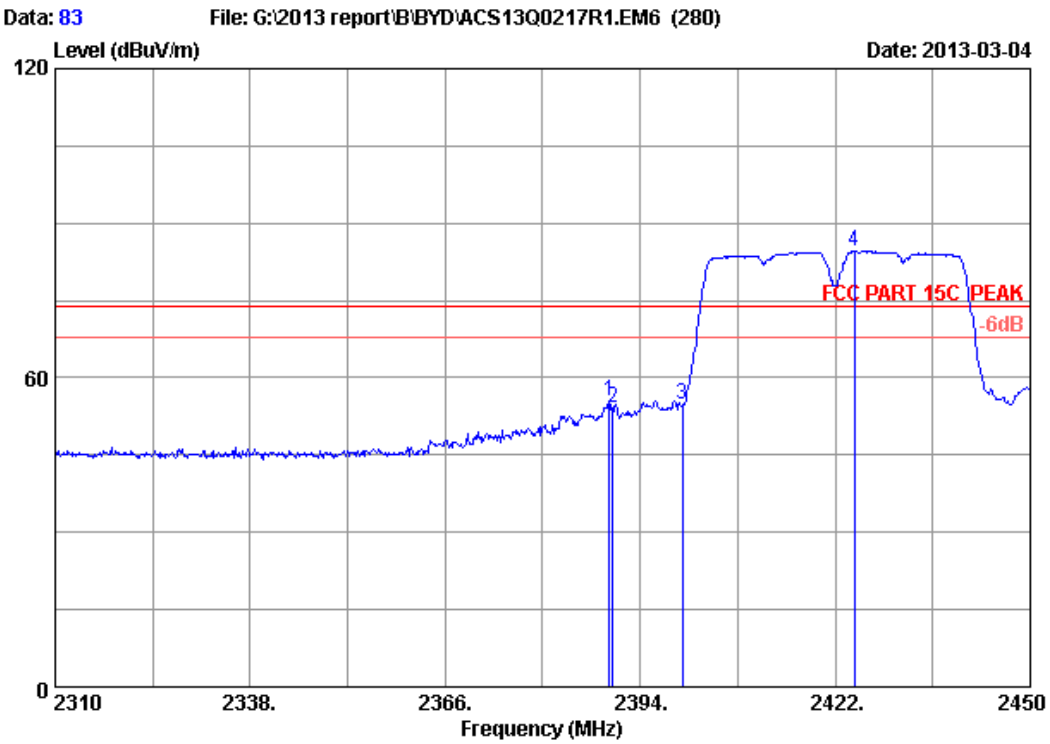
Remarks:
1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 82
Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : HORIZONTAL
Limit : FCC PART 15C AV
Env. / Ins. : 23*C/54% Engineer : Leo-Li
EUT : HP Slate 7
Power supply : DC 5V From Adapter Input AC 120V/60Hz
Test mode : IEEE802.11nHT40 CH1 2422MHz Tx Mode
M/N : SUN-B12
:

	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2390.000	26.70	6.00	35.92	45.18	41.96	54.00	12.04	Average
2	2400.000	26.76	6.02	35.92	50.64	47.50	54.00	6.50	Average
3	2417.800	26.87	6.05	35.92	83.55	80.55	54.00	-26.55	Average

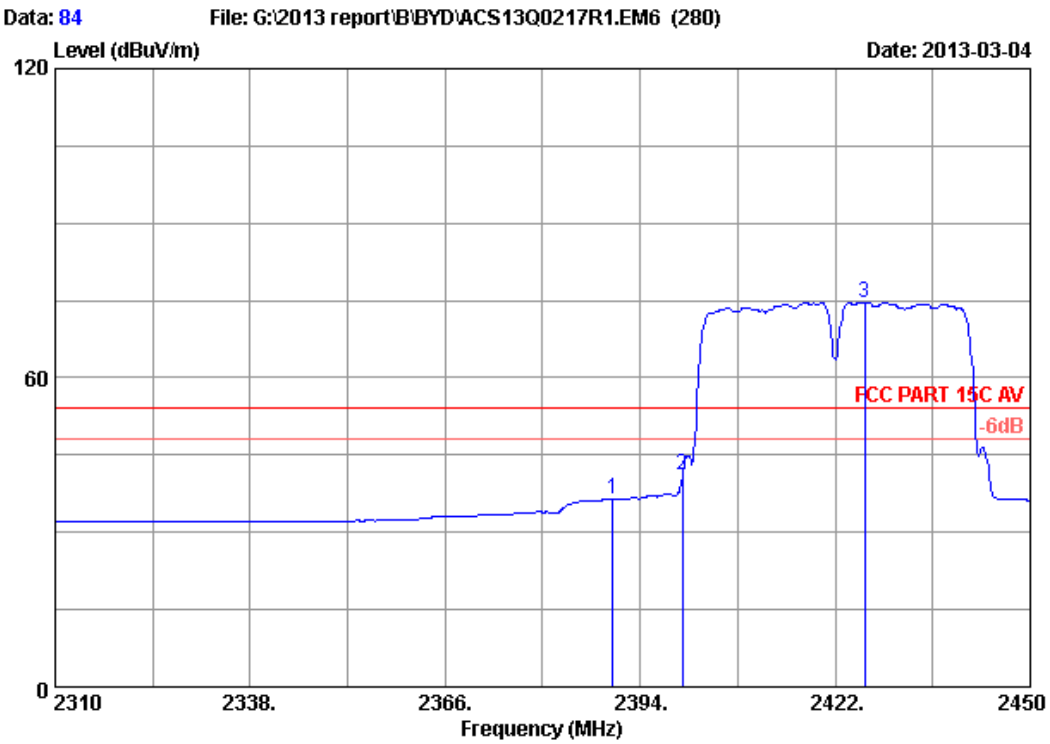
Remarks:
1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 83
Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : VERTICAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23*C/54% Engineer : Leo-Li
EUT : HP Slate 7
Power supply : DC 5V From Adapter Input AC 120V/60Hz
Test mode : IEEE802.11nHT40 CH1 2422MHz Tx Mode
M/N : SUN-B12
:

	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2389.520	26.69	6.00	35.92	58.80	55.57	74.00	18.43	Peak
2	2390.000	26.70	6.00	35.92	57.27	54.05	74.00	19.95	Peak
3	2400.000	26.76	6.02	35.92	57.99	54.85	74.00	19.15	Peak
4	2424.800	26.92	6.06	35.92	87.46	84.52	74.00	-10.52	Peak

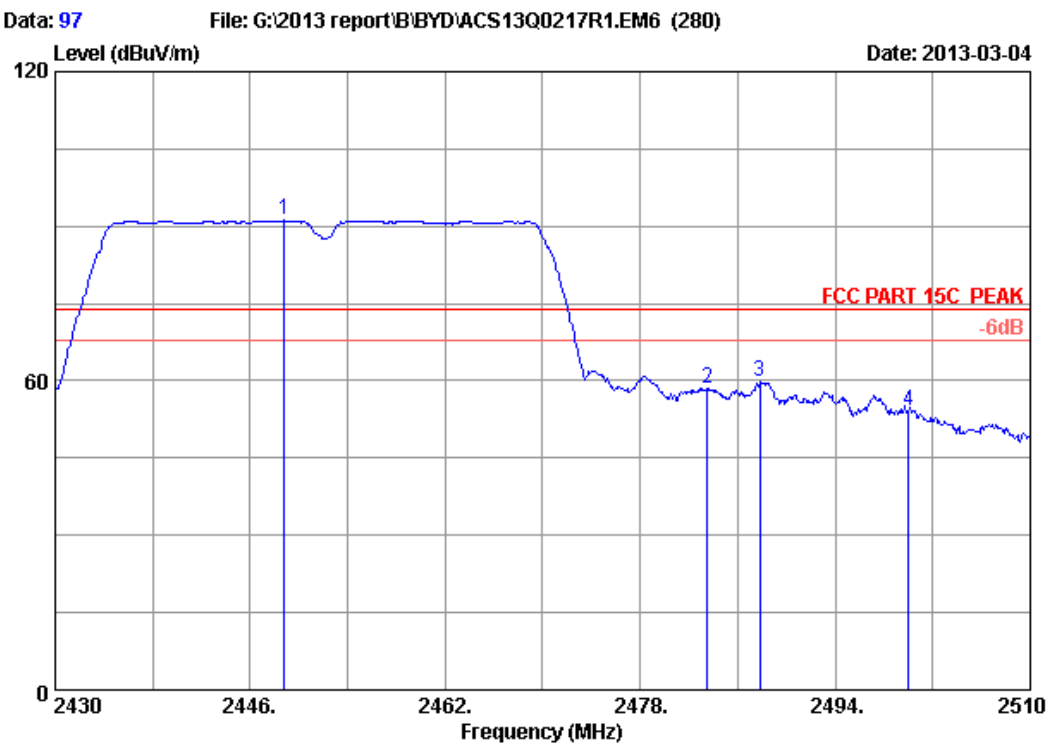
Remarks:
1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 84
Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : VERTICAL
Limit : FCC PART 15C AV
Env. / Ins. : 23*C/54% Engineer : Leo-Li
EUT : HP Slate 7
Power supply : DC 5V From Adapter Input AC 120V/60Hz
Test mode : IEEE802.11nHT40 CH1 2422MHz Tx Mode
M/N : SUN-B12
:

	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2390.000	26.70	6.00	35.92	39.67	36.45	54.00	17.55	Average
2	2400.000	26.76	6.02	35.92	44.16	41.02	54.00	12.98	Average
3	2426.200	26.93	6.06	35.92	77.57	74.64	54.00	-20.64	Average

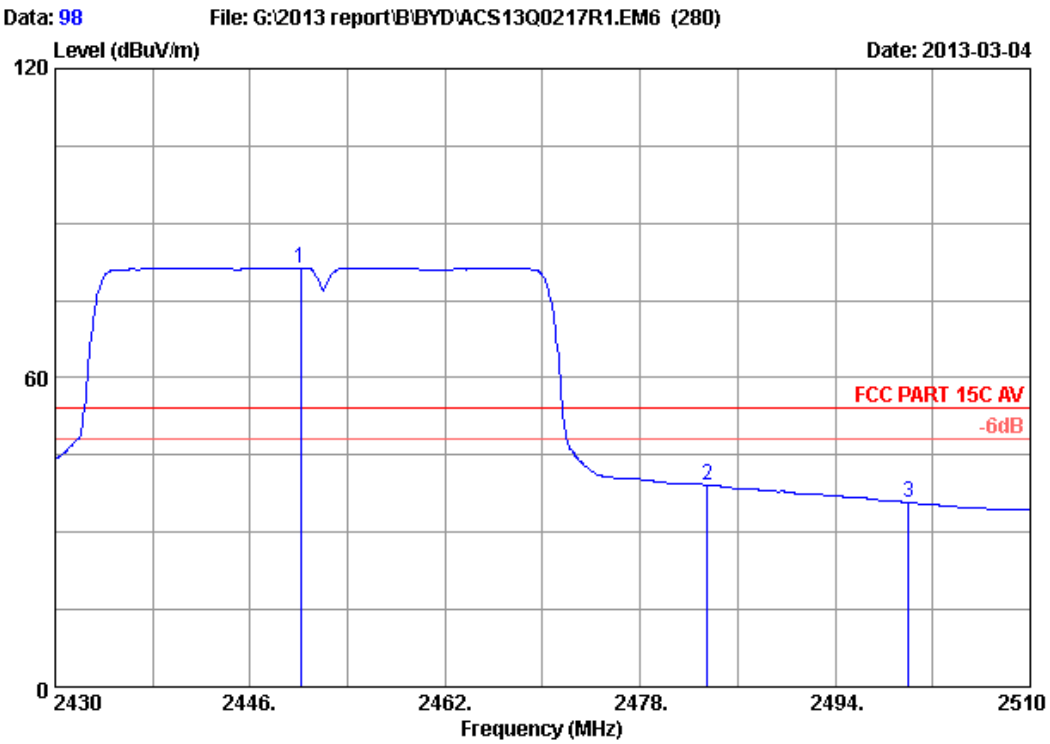
Remarks:
1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 97
Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : HORIZONTAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23*C/54% Engineer : Leo-Li
EUT : HP Slate 7
Power supply : DC 5V From Adapter Input AC 120V/60Hz
Test mode : IEEE802.11nHT40 CH7 2452MHz Tx Mode
M/N : SUN-B12
:

	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2448.800	27.07	6.10	35.92	93.87	91.12	74.00	-17.12	Peak
2	2483.500	27.29	6.16	35.92	60.90	58.43	74.00	15.57	Peak
3	2487.840	27.32	6.17	35.92	62.21	59.78	74.00	14.22	Peak
4	2500.000	27.40	6.19	35.93	56.55	54.21	74.00	19.79	Peak

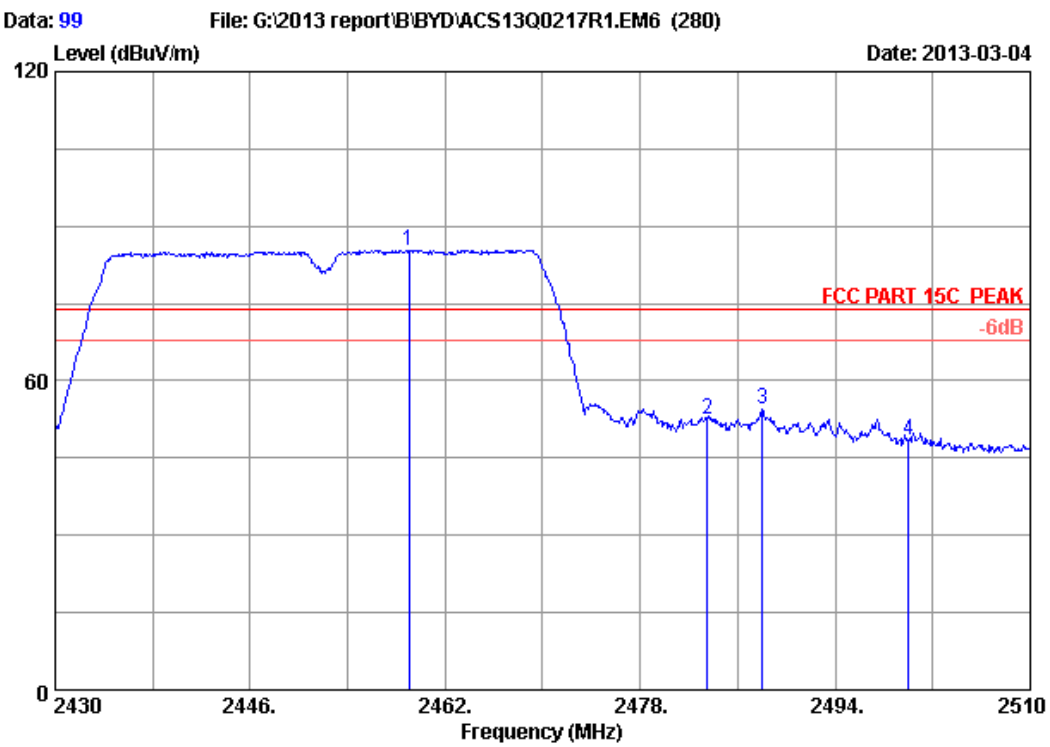
Remarks:
1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 98
Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : HORIZONTAL
Limit : FCC PART 15C AV
Env. / Ins. : 23*C/54% Engineer : Leo-Li
EUT : HP Slate 7
Power supply : DC 5V From Adapter Input AC 120V/60Hz
Test mode : IEEE802.11nHT40 CH7 2452MHz Tx Mode
M/N : SUN-B12
:

	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2450.160	27.08	6.10	35.92	84.10	81.36	54.00	-27.36	Average
2	2483.500	27.29	6.16	35.92	41.62	39.15	54.00	14.85	Average
3	2500.000	27.40	6.19	35.93	38.08	35.74	54.00	18.26	Average

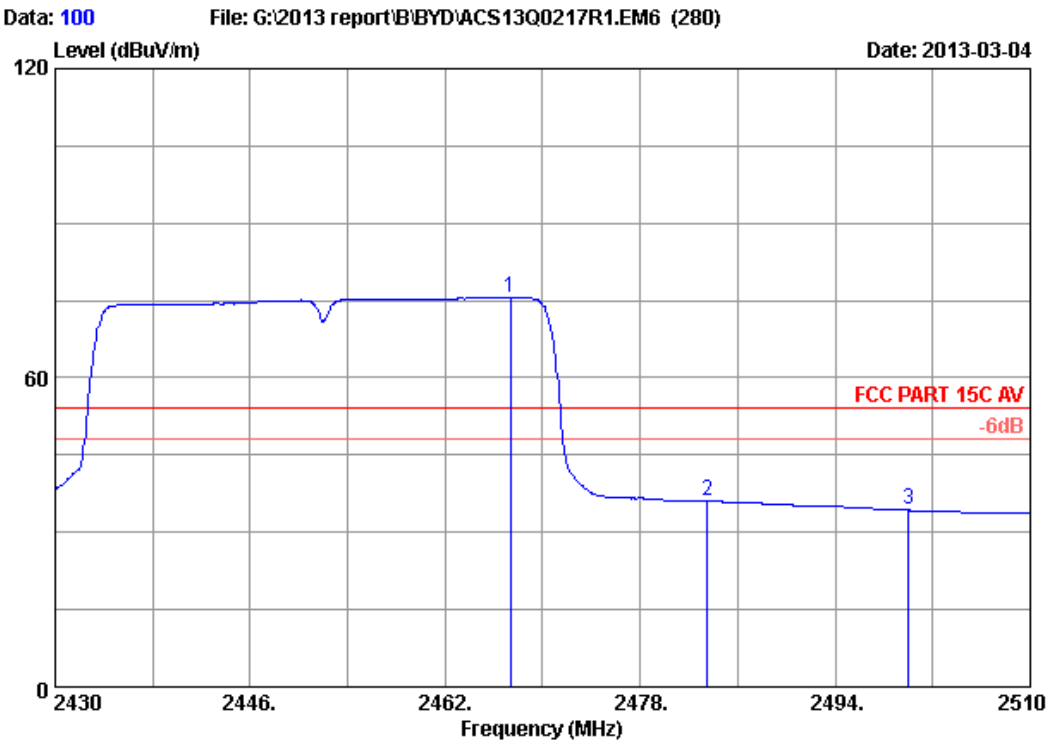
Remarks:
1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 99
Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : VERTICAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23*C/54% Engineer : Leo-Li
EUT : HP Slate 7
Power supply : DC 5V From Adapter Input AC 120V/60Hz
Test mode : IEEE802.11nHT40 CH7 2452MHz Tx Mode
M/N : SUN-B12
:

	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2459.040	27.14	6.12	35.92	88.01	85.35	74.00	-11.35	Peak
2	2483.500	27.29	6.16	35.92	54.86	52.39	74.00	21.61	Peak
3	2488.000	27.32	6.17	35.92	56.86	54.43	74.00	19.57	Peak
4	2500.000	27.40	6.19	35.93	50.80	48.46	74.00	25.54	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. : 3m Chamber Data no. : 100
Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : VERTICAL
Limit : FCC PART 15C AV
Env. / Ins. : 23*C/54% Engineer : Leo-Li
EUT : HP Slate 7
Power supply : DC 5V From Adapter Input AC 120V/60Hz
Test mode : IEEE802.11nHT40 CH7 2452MHz Tx Mode
M/N : SUN-B12
:

	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2467.360	27.19	6.13	35.92	78.19	75.59	54.00	-21.59	Average
2	2483.500	27.29	6.16	35.92	38.51	36.04	54.00	17.96	Average
3	2500.000	27.40	6.19	35.93	36.61	34.27	54.00	19.73	Average

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

7. 6dB Bandwidth Test

7.1.Test Equipment

Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
1.	Spectrum	Agilent	E4446A	US44300459	May.08, 12	1 Year
2.	Amp	HP	8449B	3008A08495	May.08, 12	1 Year
3.	Antenna	EMCO	3115	9510-4580	June.05, 12	1Year
4.	HF Cable	Hubersuhner	Sucoflex104	-	May.08, 12	1 Year

7.2.Limit

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

7.3.Test Procedure

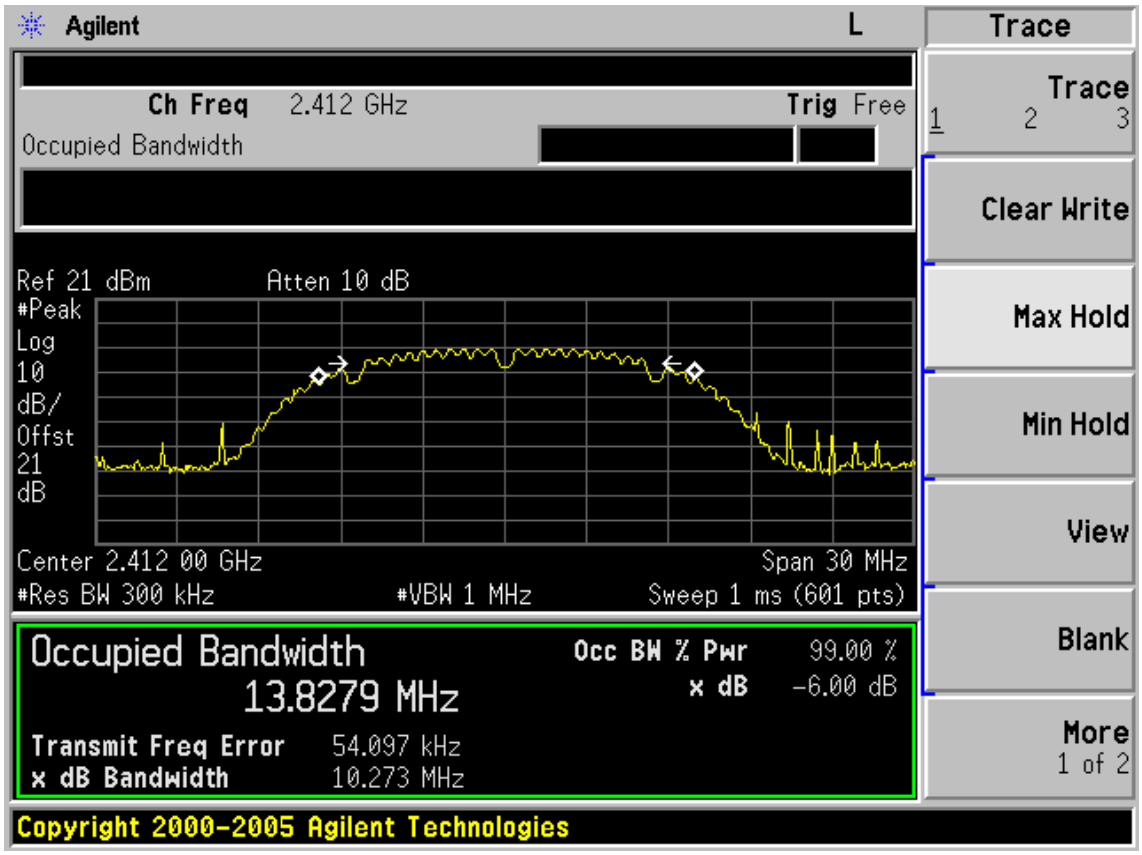
The transmitter output was connected to a spectrum analyzer, The bandwidth of the fundamental frequency was measured by spectrum analyzer with 100kHz RBW and 300 kHz VBW. The 6dB bandwidth is defined as the total spectrum the power of which is higher than peak power minus 6dB.

7.4.Test Results

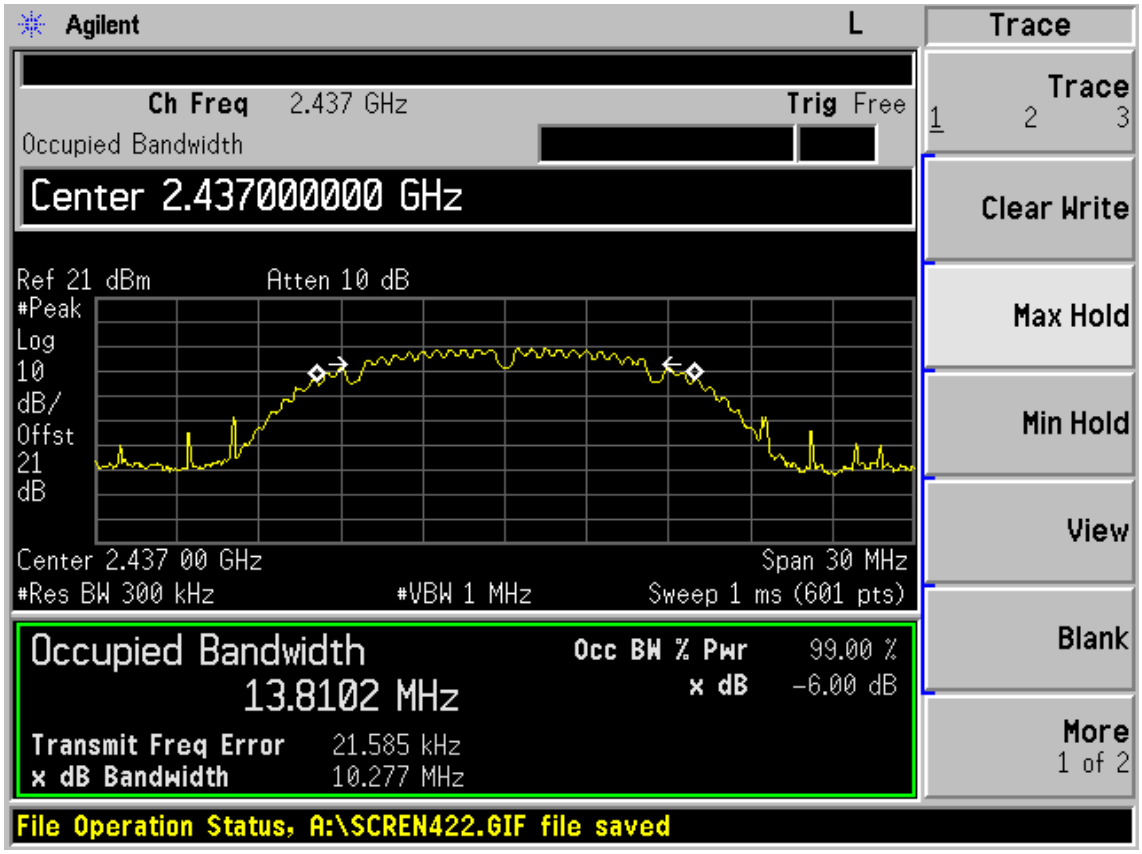
EUT: HP Slate 7		
M/N: SUN-B12		
Test date: 2013-03-08	Pressure: 101.2±1.0kpa	Humidity: 52.5±3.0 %
Tested by: Leo-Li	Test site: RF Site	Temperature：23.3±0.6 ℃

Cable loss: 1 dB		Attenuator loss: 20 dB	
Test Mode	CH	6dB bandwidth (MHz)	Limit (KHz)
11b	CH1	10.273	>500
	CH6	10.277	>500
	CH11	10.246	>500
11g	CH1	16.373	>500
	CH6	16.357	>500
	CH11	16.388	>500
11n HT20	CH1	17.514	>500
	CH6	17.576	>500
	CH11	17.563	>500
11n HT40	CH1	35.286	>500
	CH4	34.577	>500
	CH7	35.627	>500
Conclusion：PASS			

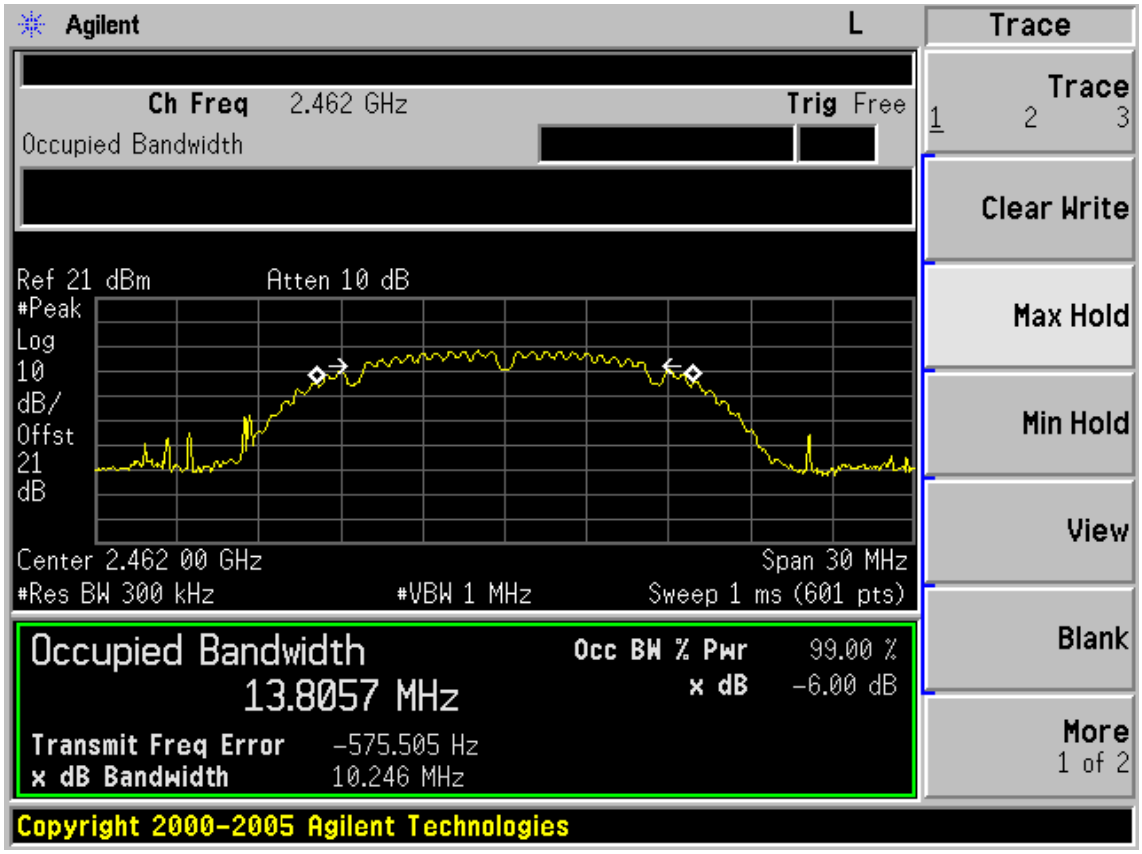
Test Mode: IEEE 802.11b
Test CH1: 2412MHz



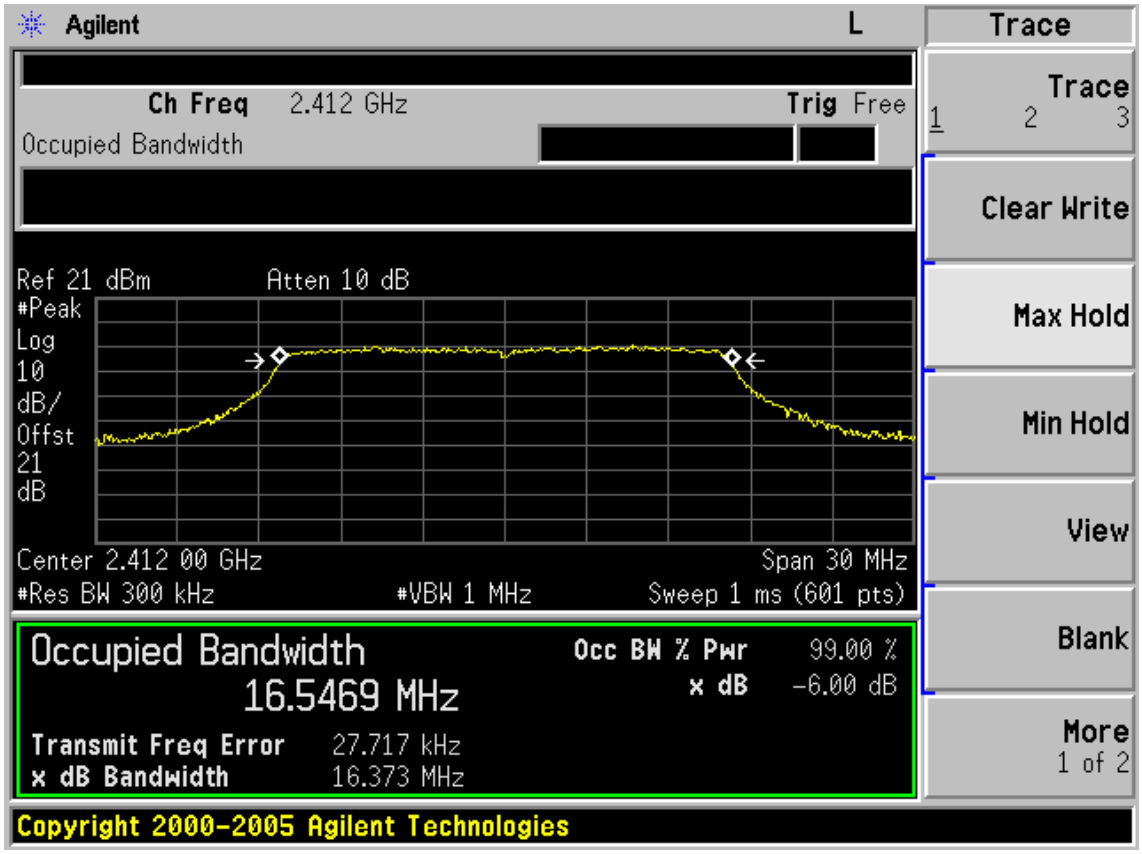
Test CH6: 2437MHz



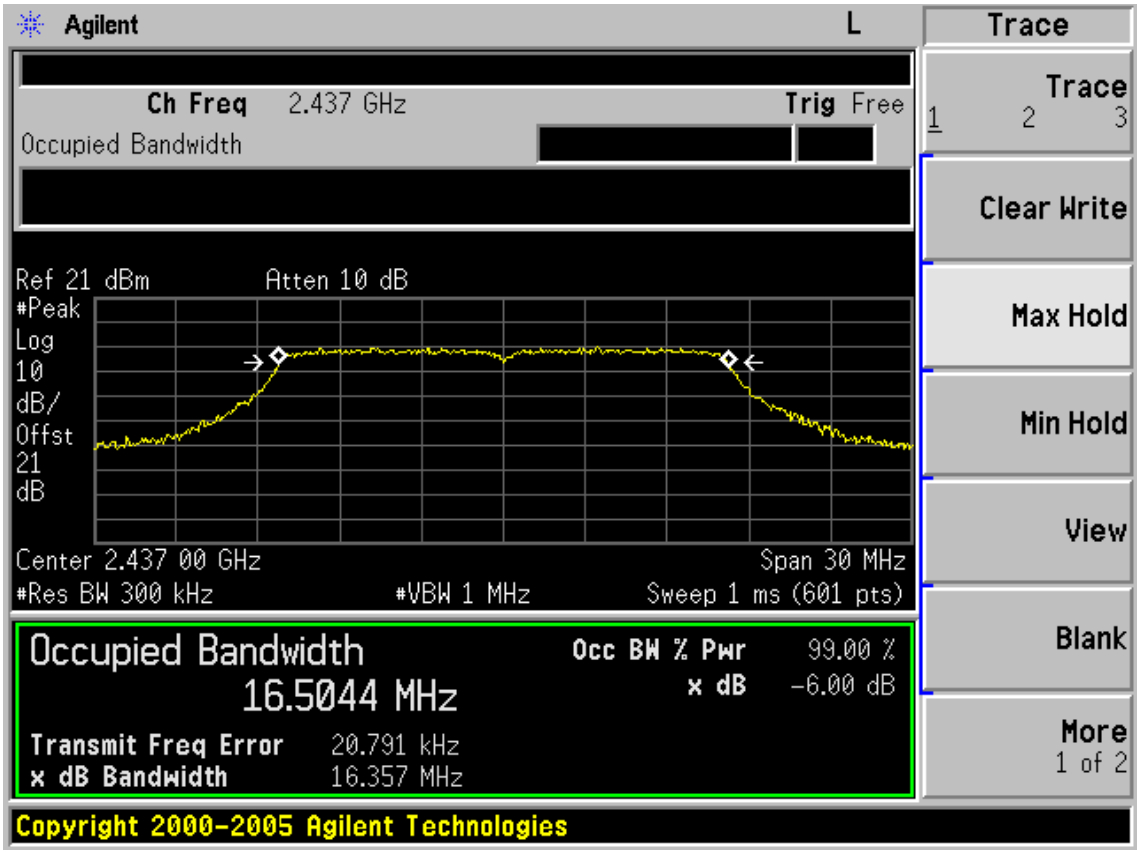
Test CH11: 2462MHz



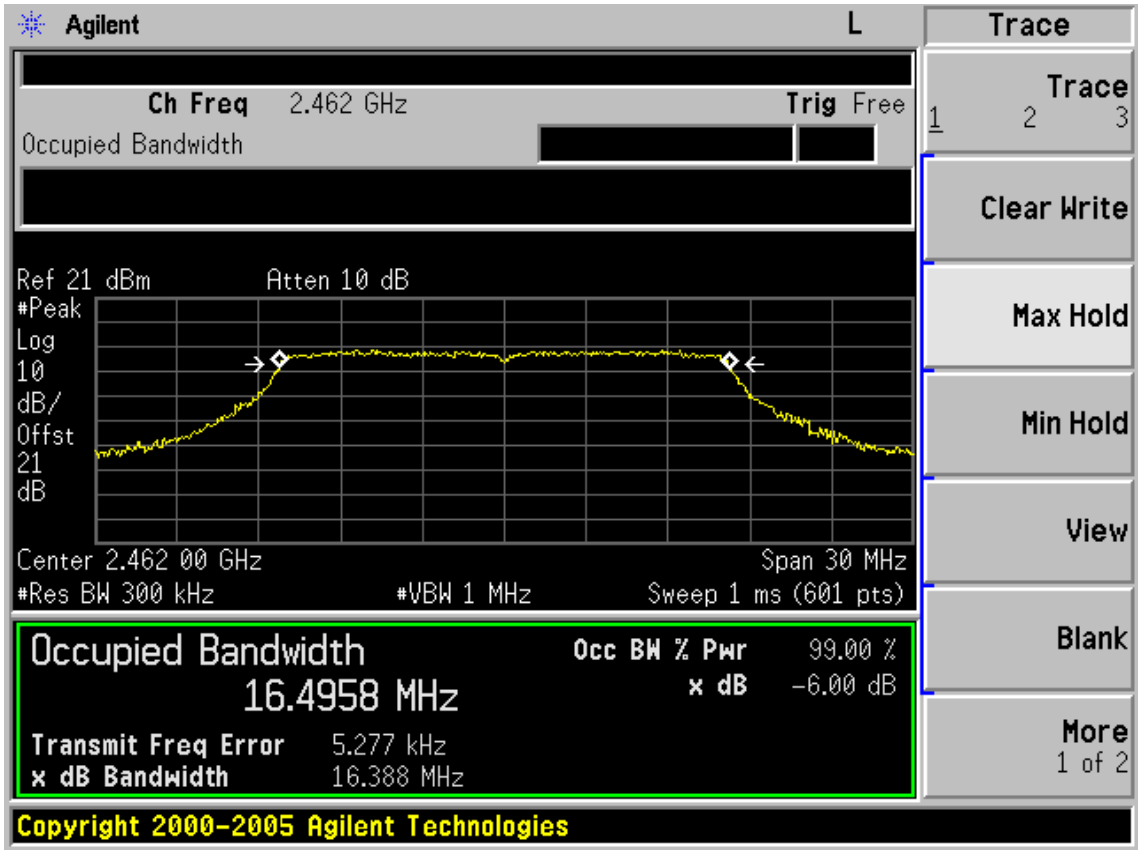
Test Mode: IEEE 802.11g
Test CH1: 2412MHz



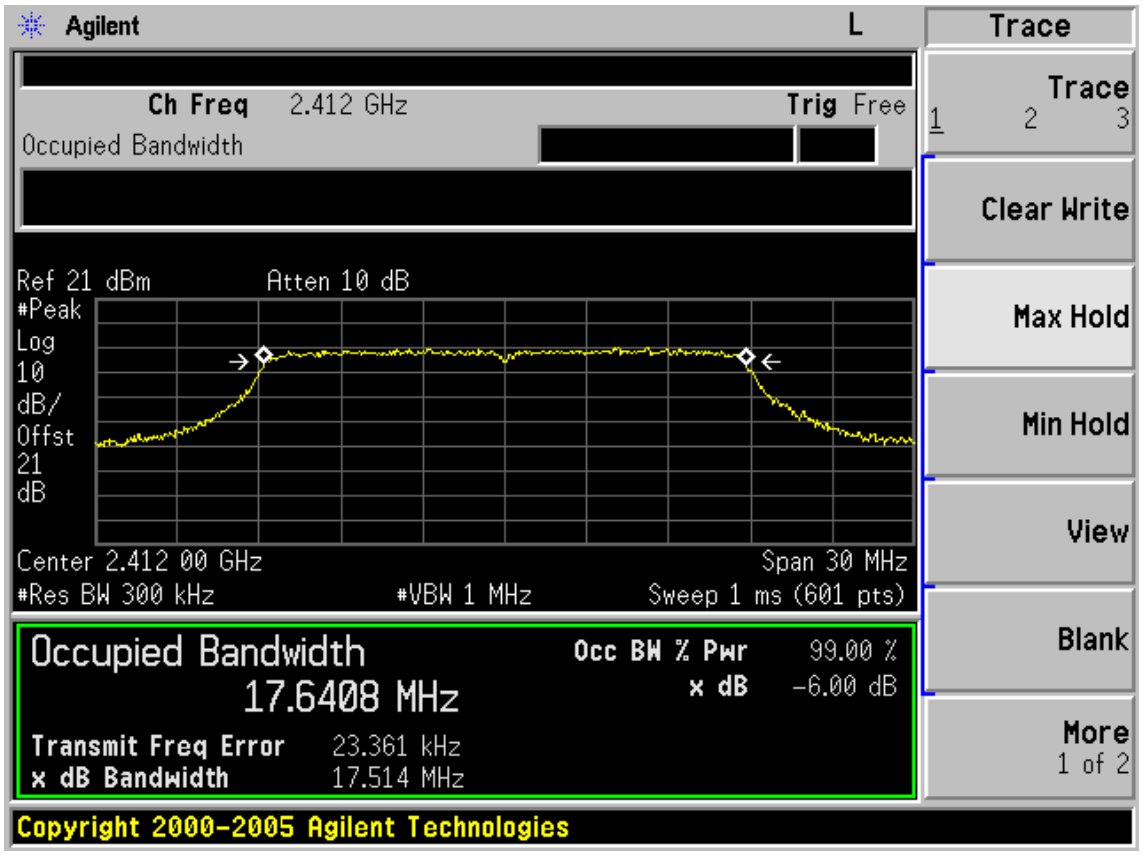
Test CH6: 2437MHz



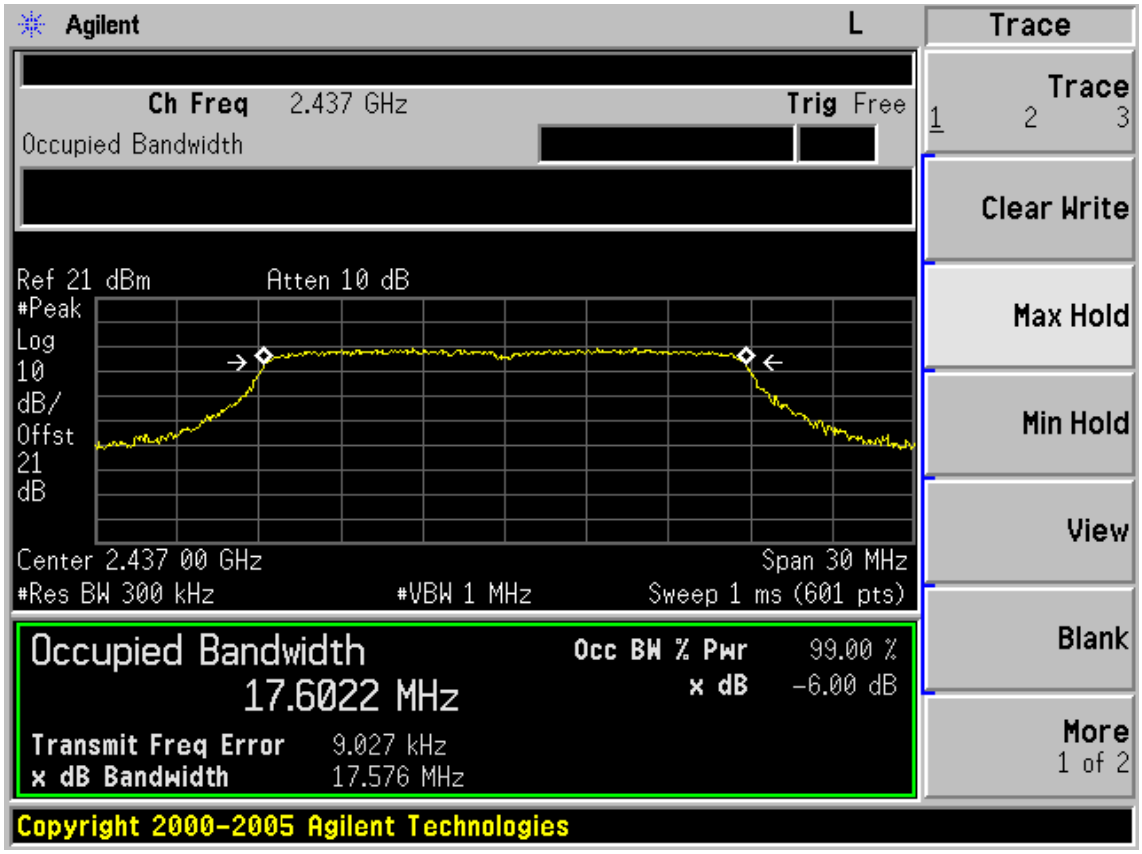
Test CH11: 2462MHz



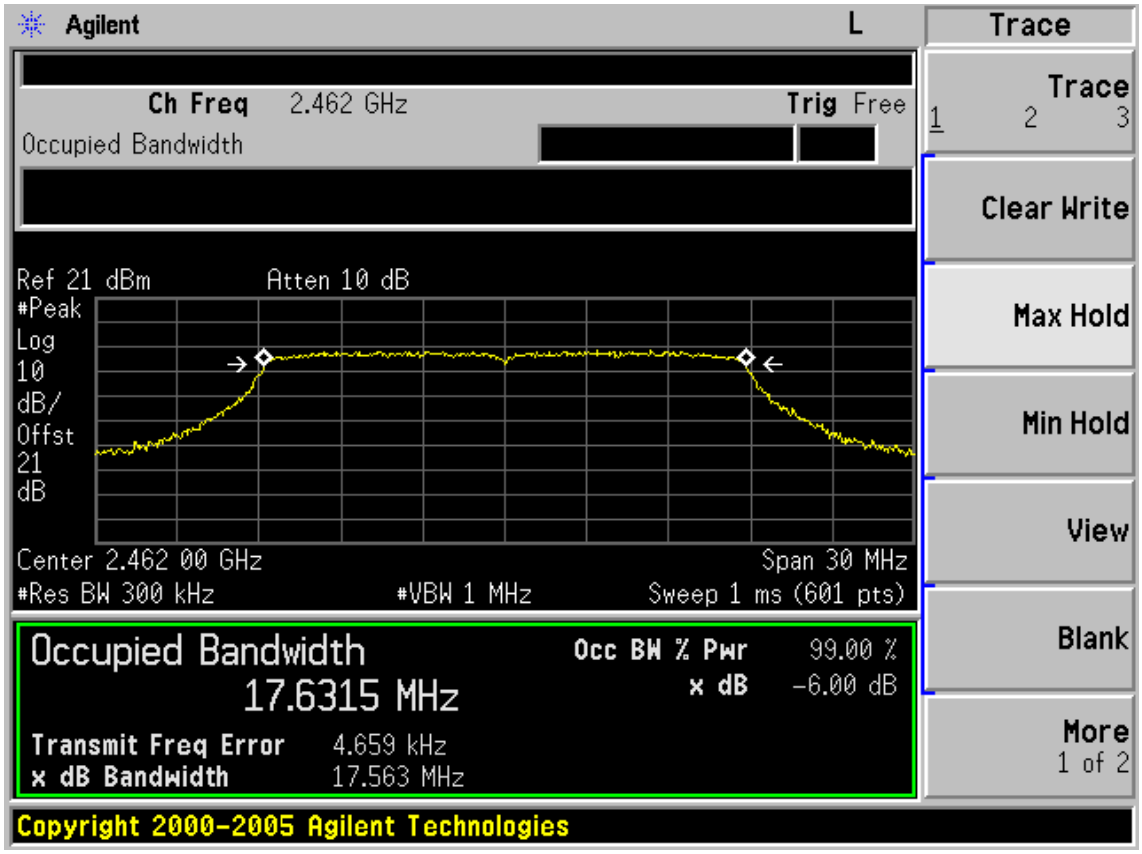
Test Mode: IEEE 802.11n HT20
Test CH1: 2412MHz



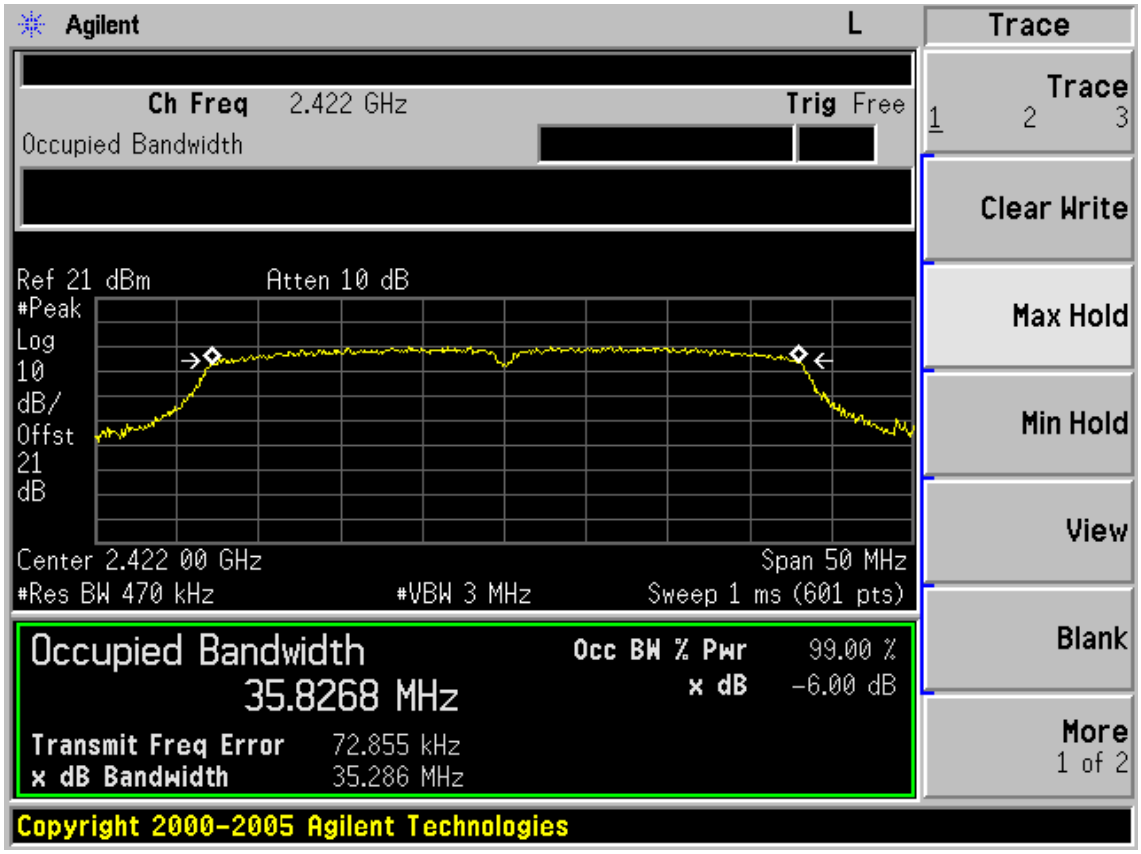
Test CH6: 2437MHz



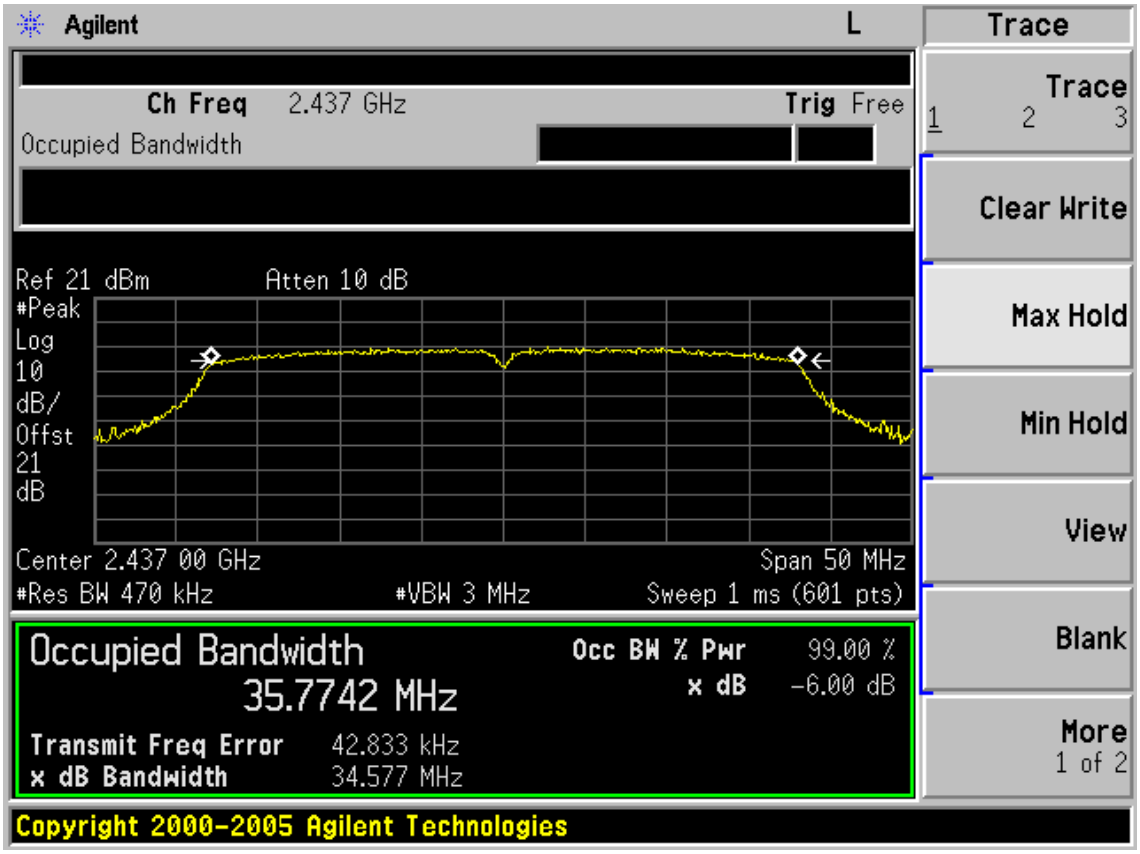
Test CH11: 2462MHz



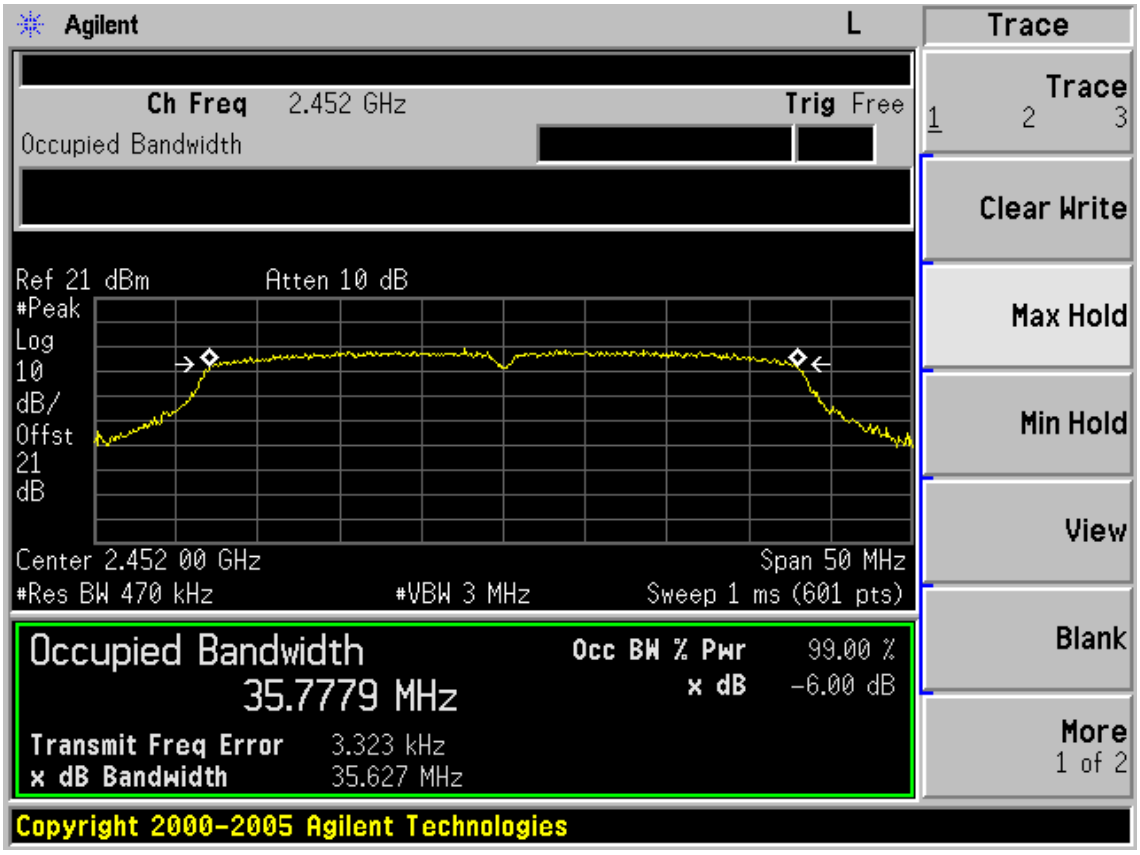
Test Mode: IEEE 802.11n HT40
Test CH1: 2422MHz



Test CH4: 2437MHz



Test CH7: 2452MHz



8. OUTPUT POWER TEST

8.1.Test Equipment

Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
1.	Spectrum	Agilent	E4446A	US44300459	May.08, 12	1 Year
2.	Amp	HP	8449B	3008A08495	May.08, 12	1 Year
3.	Antenna	EMCO	3115	9510-4580	June.05, 12	1Year
4.	HF Cable	Hubersuhne	Sucoflex104	-	May.08, 12	1 Year
5.	Power Meter	Anritsu	ML2487A	6K00002472	May.08, 12	1Year
6.	Power Sensor	Anritsu	MA2491A	033005	May.08, 12	1Year

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 26dB attenuator.

2, For IEEE 802.11b/g and IEEE802.11n HT20 mode, use a PK power meter which's bandwidth is 20MHz and above 26dB 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 use below test procedure:

(1).Connect the antenna port of the EUT to the spectrum analyser via suitable attenuation.
(2). Set the RBW = 1 MHz.
(3).Set the VBW = 3 MHz.
(4).Set the span to a value that is 5-30 % greater than the EBW.
(5).Detector = peak.
(6).Sweep time = auto couple.
(7).Trace mode = max hold.
(8).Allow trace to fully stabilize.
(9).Use the spectrum analyzer's integrated band power measurement function with band limits set equal to the EBW band edges

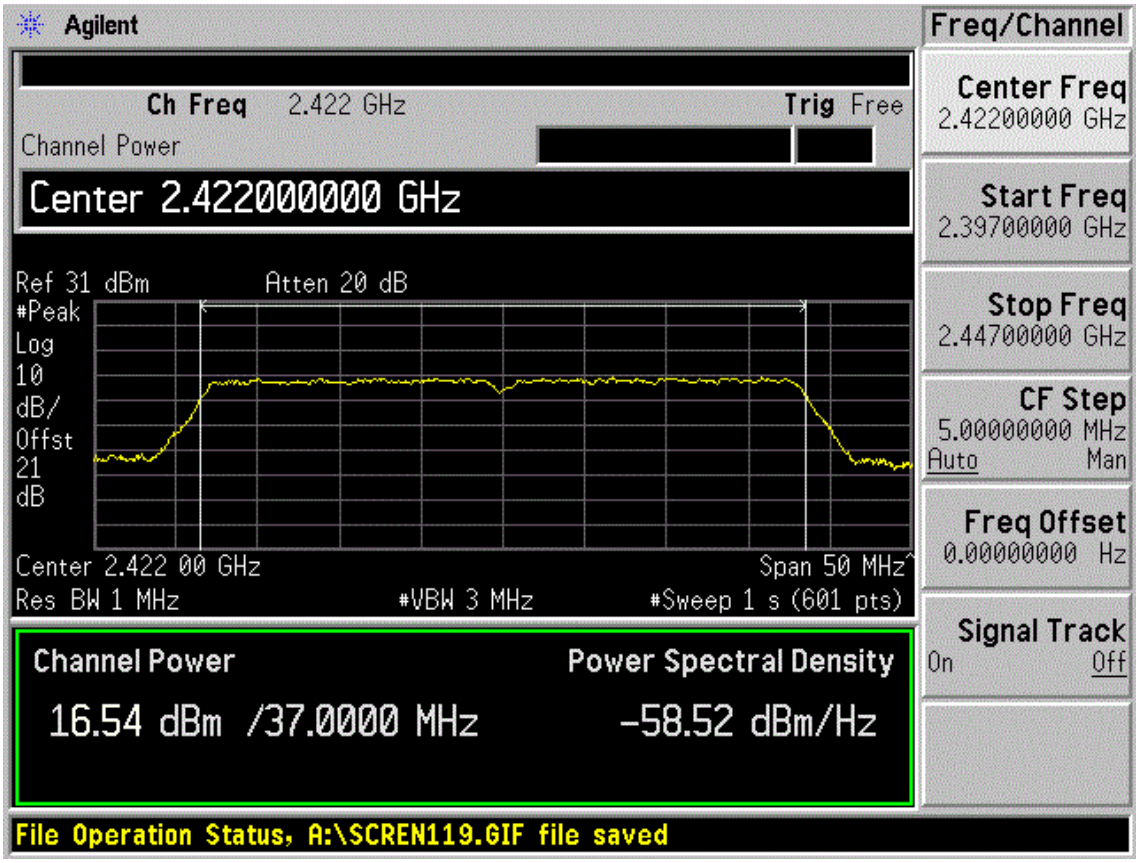
Note: The cable loss and attenuator loss were offset into measure device as an amplitude offset.

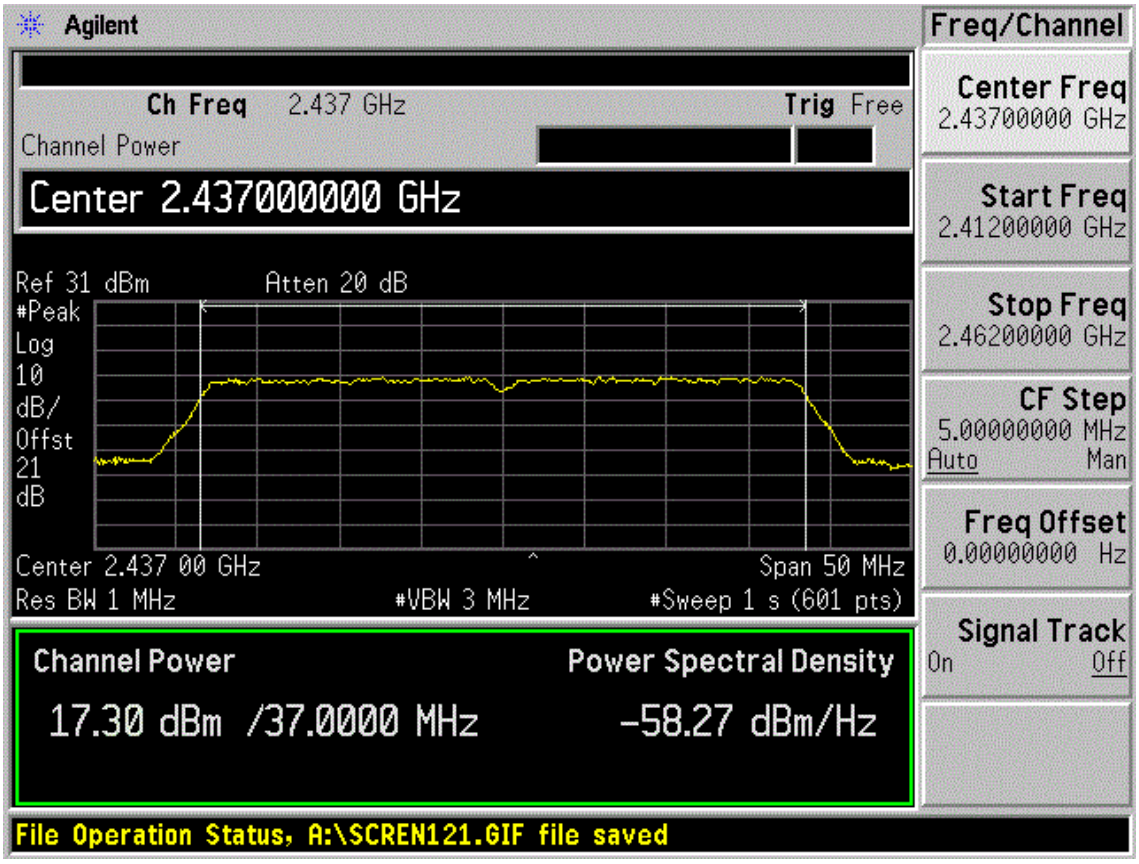
8.4.Test Results

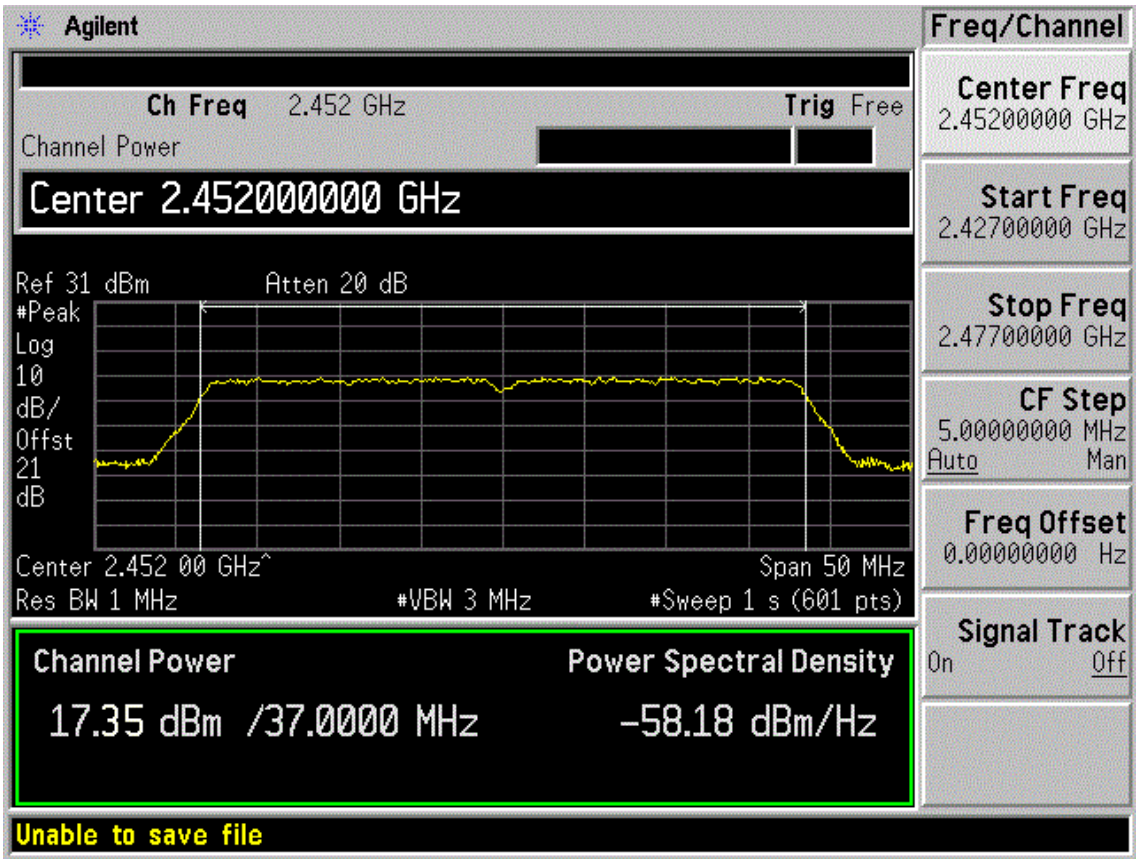
EUT: HP Slate 7		
M/N:SUN-B12		
Test date:2013-03-08	Pressure: 101.2±1.0 kpa	Humidity: 53.3±0.6 %
Tested by:Leo-Li	Test site: RF site	Temperature: 23.5±0.3℃

Cable loss: 1 dB		Attenuator loss: 20 dB	
Test Mode	CH (MHz)	Peak output Power (dBm)	Limit (dBm)
11b	CH1	14.19	30
	CH6	14.25	30
	CH11	14.30	30
11g	CH1	19.07	30
	CH6	19.41	30
	CH11	19.03	30
11n HT20	CH1	18.47	30
	CH6	18.82	30
	CH11	18.23	30
11n HT40	CH1	16.54	30
	CH4	17.30	30
	CH7	17.35	30
Conclusion: PASS			

Test Mode: IEEE 802.11n HT40






Agilent
Freq/Channel
Ch Freq 2.452 GHz
Trig Free
Channel Power
Center 2.452000000 GHz
Ref 31 dBm
Atten 20 dB
#Peak
Log
10
dB/
Offst
21
dB
Center 2.452 00 GHz^
Span 50 MHz
Res BW 1 MHz
#VBW 3 MHz
#Sweep 1 s (601 pts)
Channel Power
17.35 dBm /37.0000 MHz
Power Spectral Density
-58.18 dBm/Hz
Center Freq
2.45200000 GHz
Start Freq
2.42700000 GHz
Stop Freq
2.47700000 GHz
CF Step
5.00000000 MHz
Auto Man
Freq Offset
0.00000000 Hz
Signal Track
On Off
Unable to save file

9. POWER SPECTRAL DENSITY TEST

9.1.Test Equipment

Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
1.	Spectrum	Agilent	E4446A	US44300459	May.08, 12	1 Year
2.	Amp	HP	8449B	3008A08495	May.08, 12	1 Year
3.	Antenna	EMCO	3115	9510-4580	June.05, 12	1Year
4.	HF Cable	Hubersuhne	Sucoflex104	-	May.08, 12	1 Year

9.2.Limit

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

9.3.Test Procedure

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

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

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

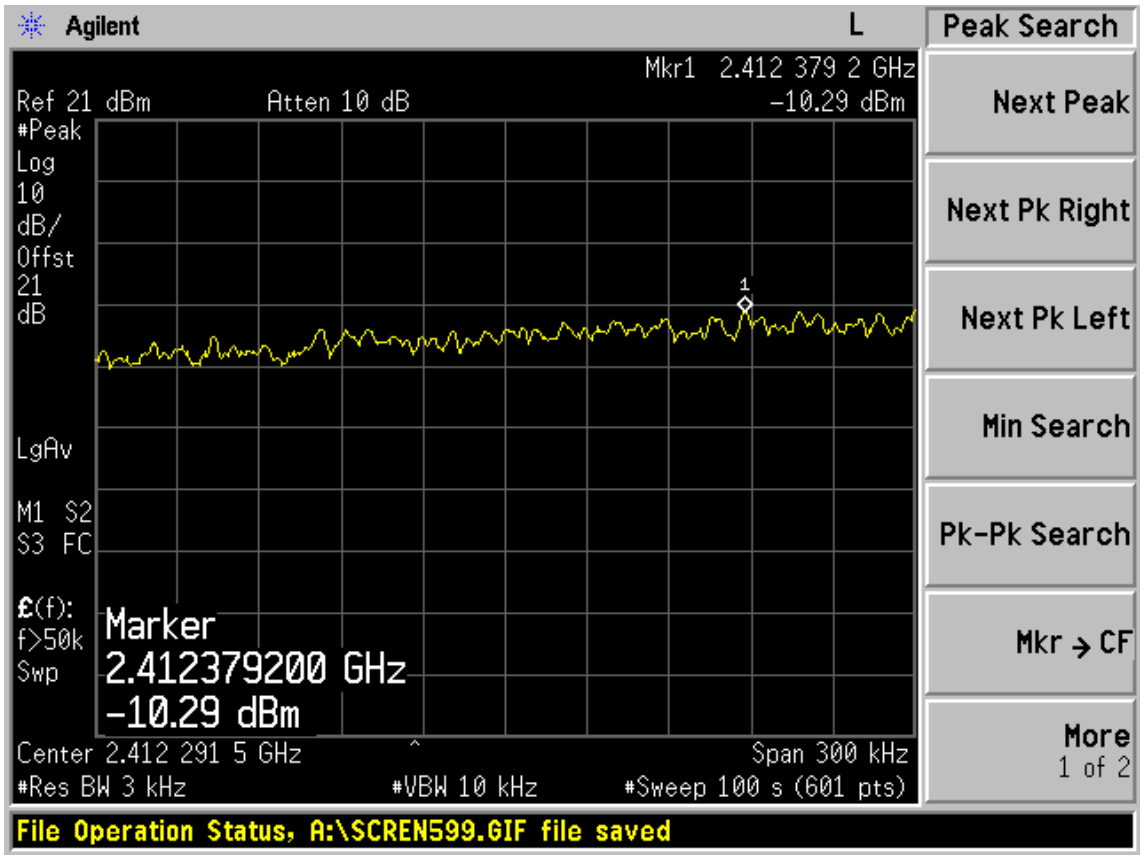
Note: The cable loss and attenuator loss were offset into measure device as an amplitude

9.4.Test Results

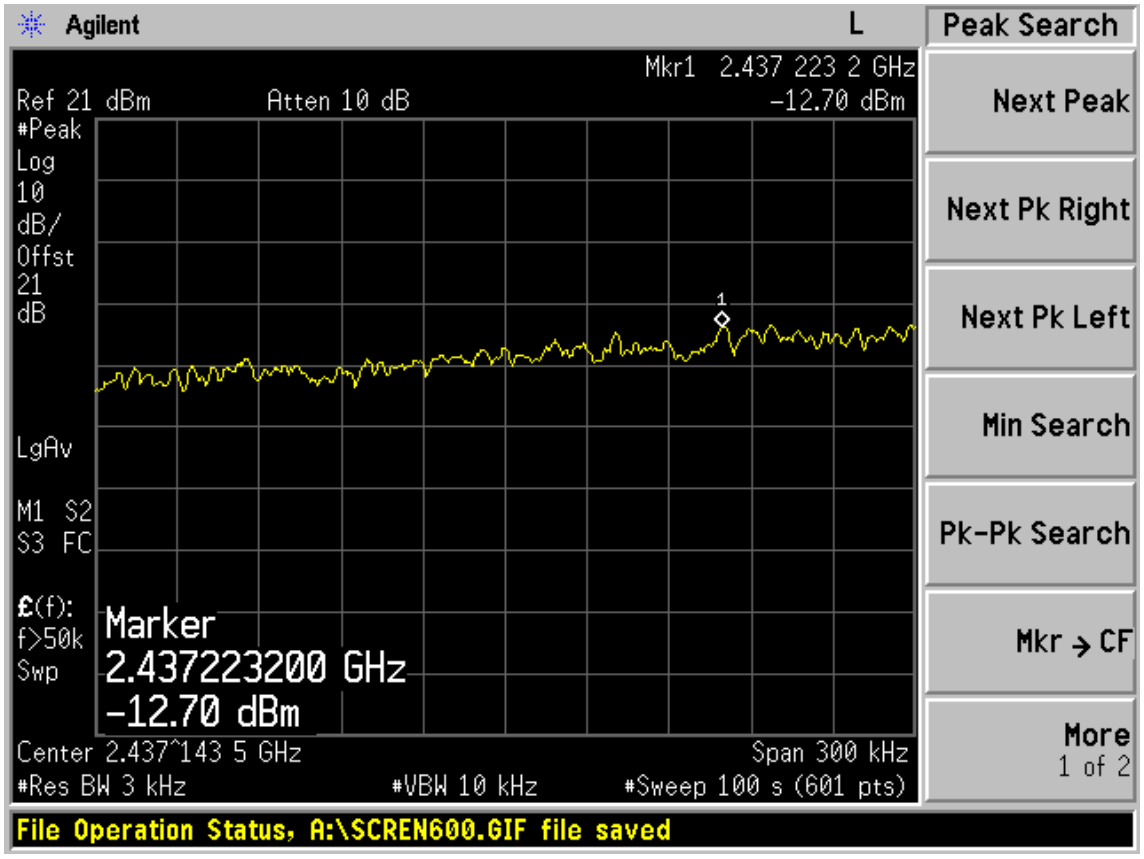
EUT: HP Slate 7		
M/N: SUN-B12		
Test date: 2013-03-08	Pressure: 101.1±1.0kpa	Humidity: 52.2±3.0 %
Tested by: Leo-Li	Test site: RF Site	Temperature：23.7±0.6℃

Cable loss: 1 dB		Attenuator loss: 20 dB	
Test Mode	CH	Power density（dBm/3KHz）	Limit (dBm/3KHz)
11b	CH1	-10.29	8
	CH6	-12.70	8
	CH11	-8.94	8
11g	CH1	-17.52	8
	CH6	-6.18	8
	CH11	-14.39	8
11n HT20	CH1	-13.82	8
	CH6	-6.84	8
	CH11	-14.68	8
11n HT40	CH1	-16.55	8
	CH4	-9.08	8
	CH7	-17.67	8
Conclusion：PASS			

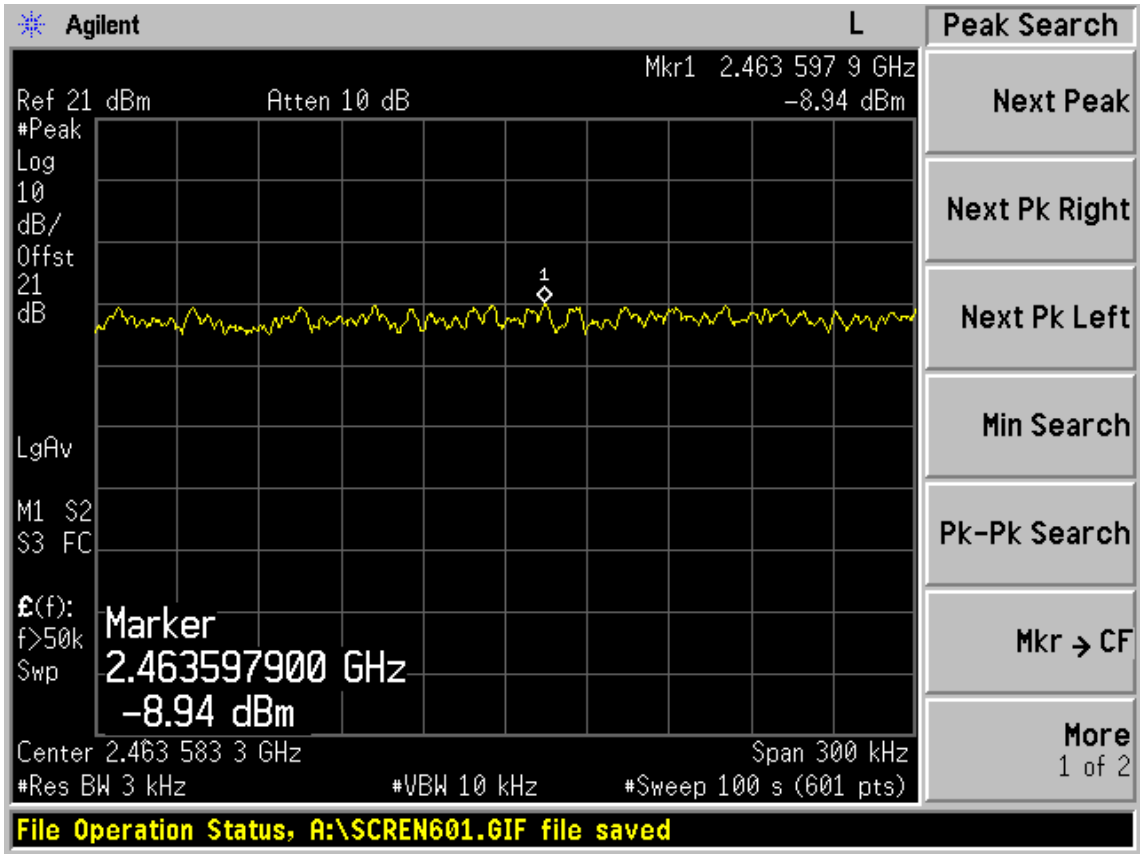
Test Mode: IEEE 802.11b
Test CH1: 2412MHz



Test CH6: 2437MHz

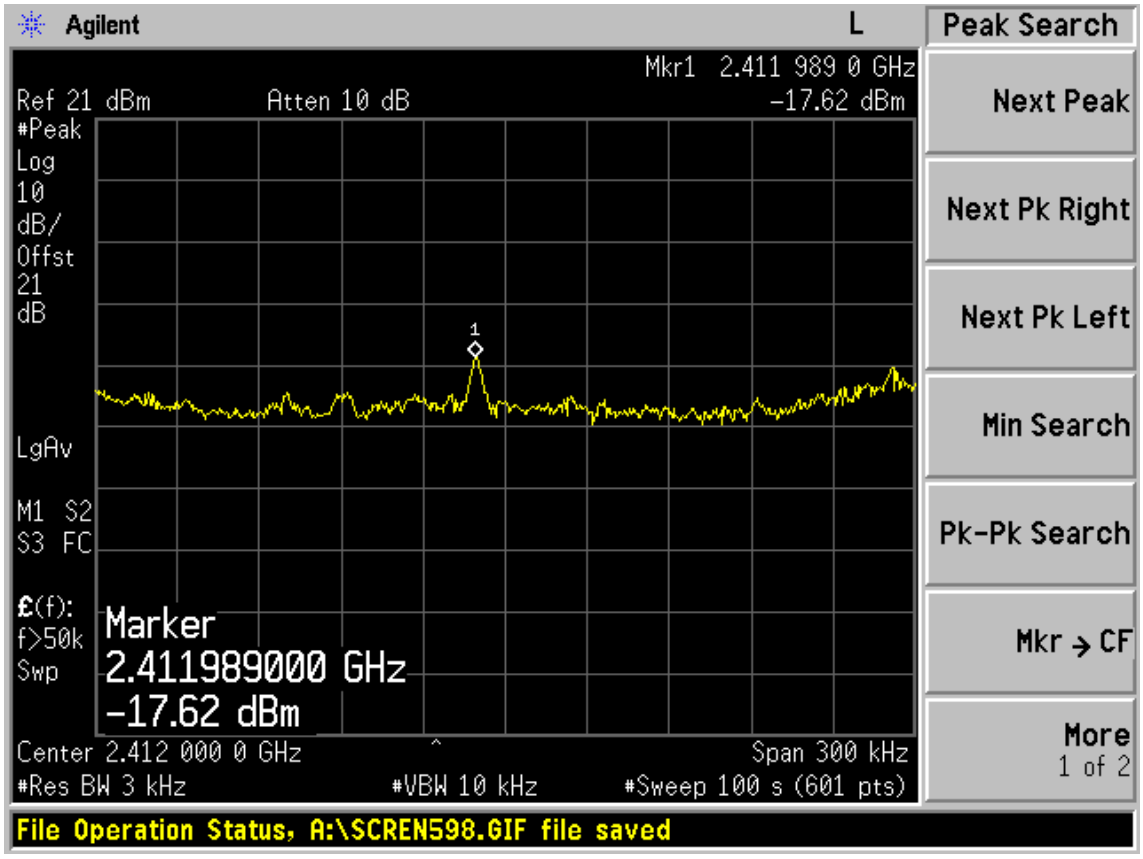


Test CH11: 2462MHz

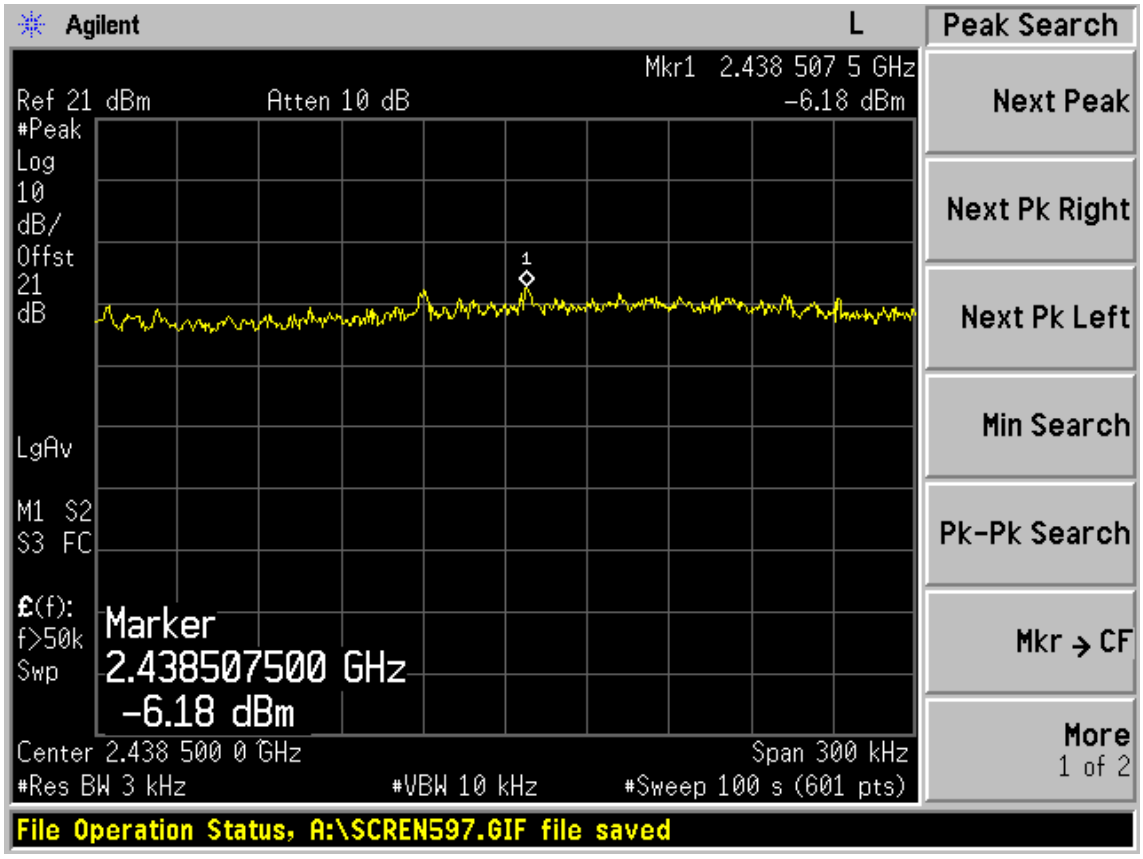


Test Mode: IEEE 802.11g

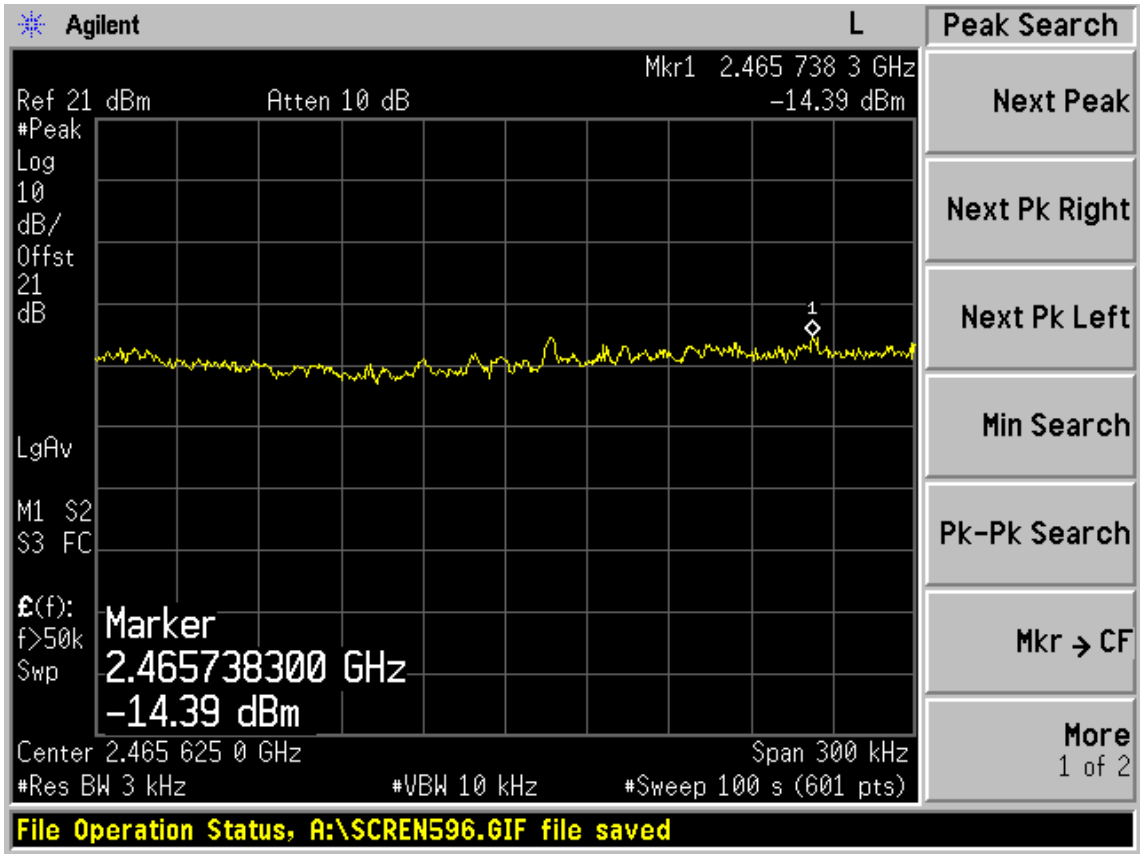
Test CH1: 2412MHz



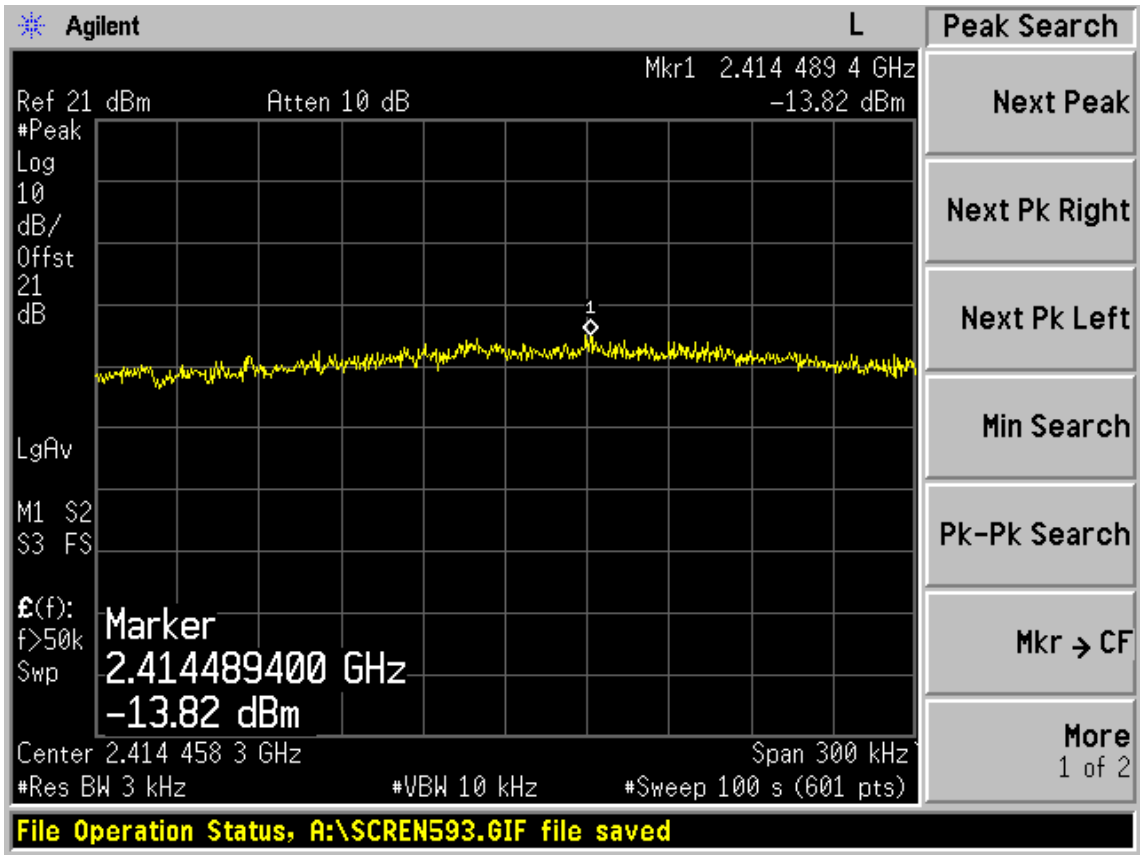
Test CH6: 2437MHz



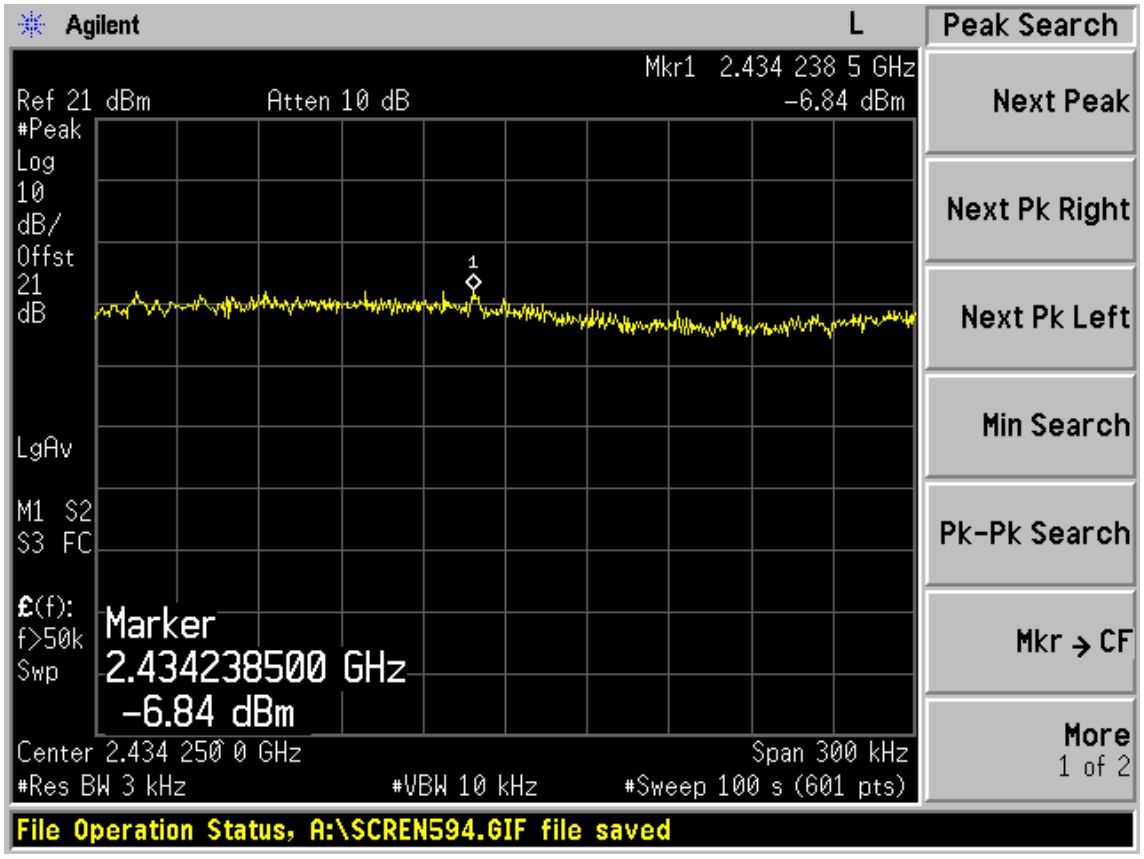
Test CH11: 2462MHz



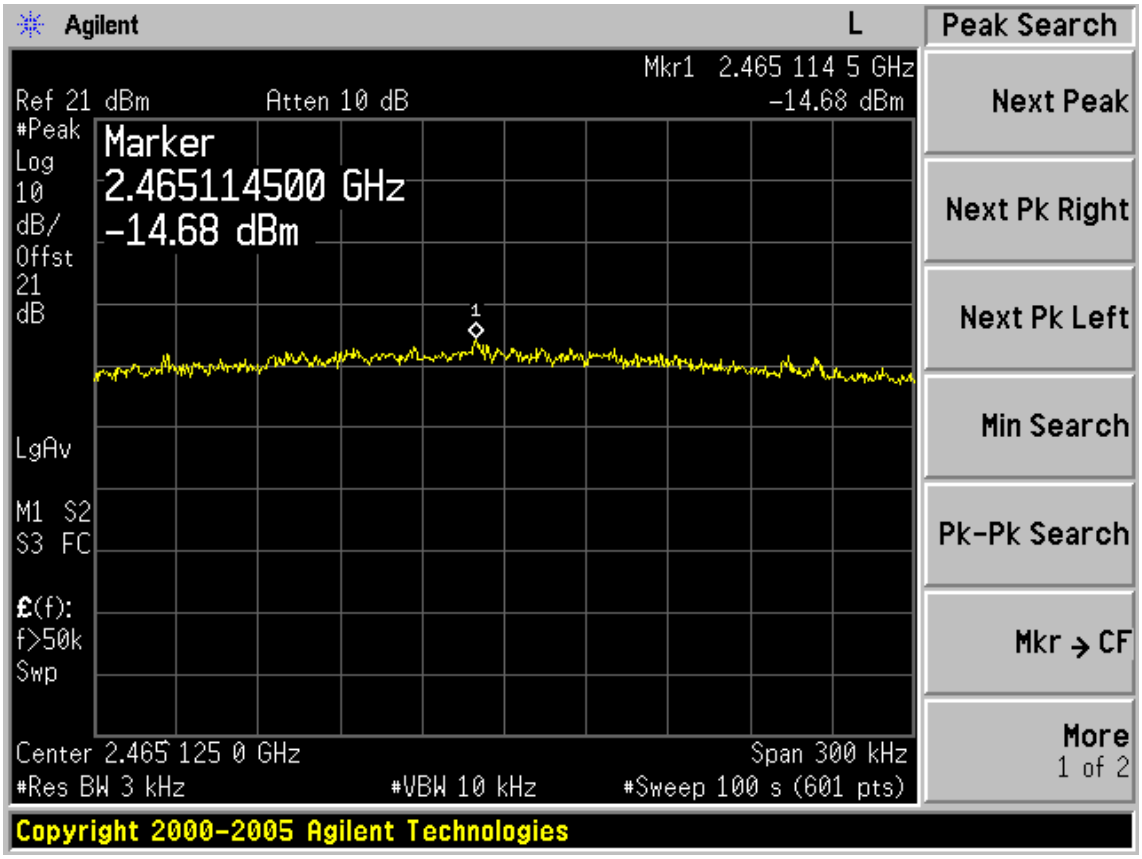
Test Mode: IEEE 802.11n HT20
Test CH1: 2412MHz



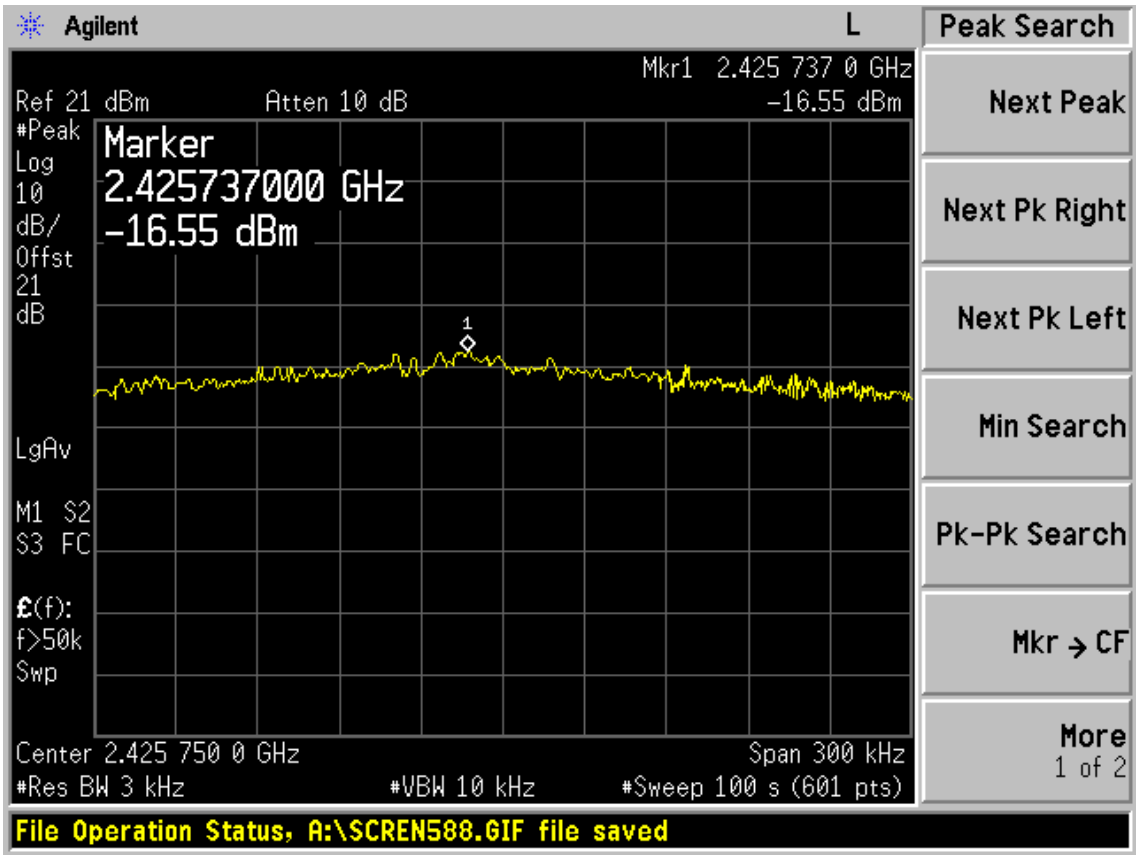
Test CH6: 2437MHz



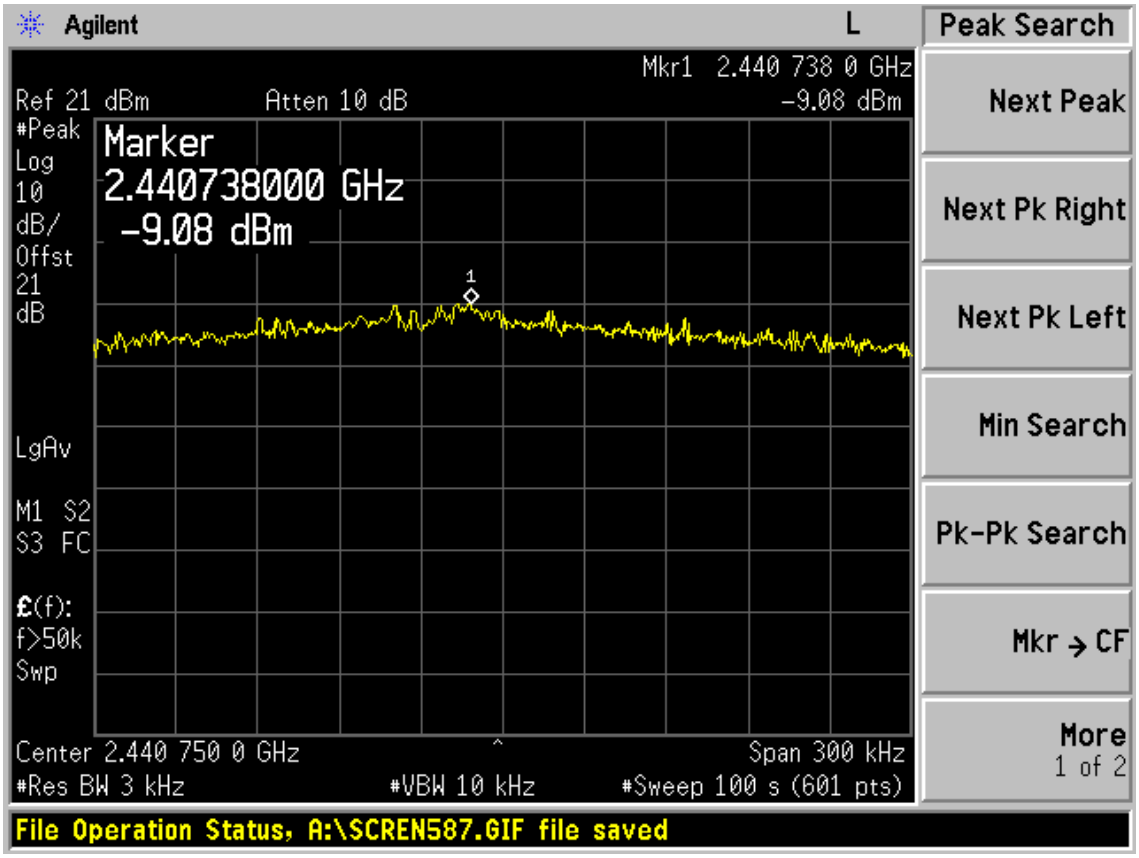
Test CH11: 2462MHz



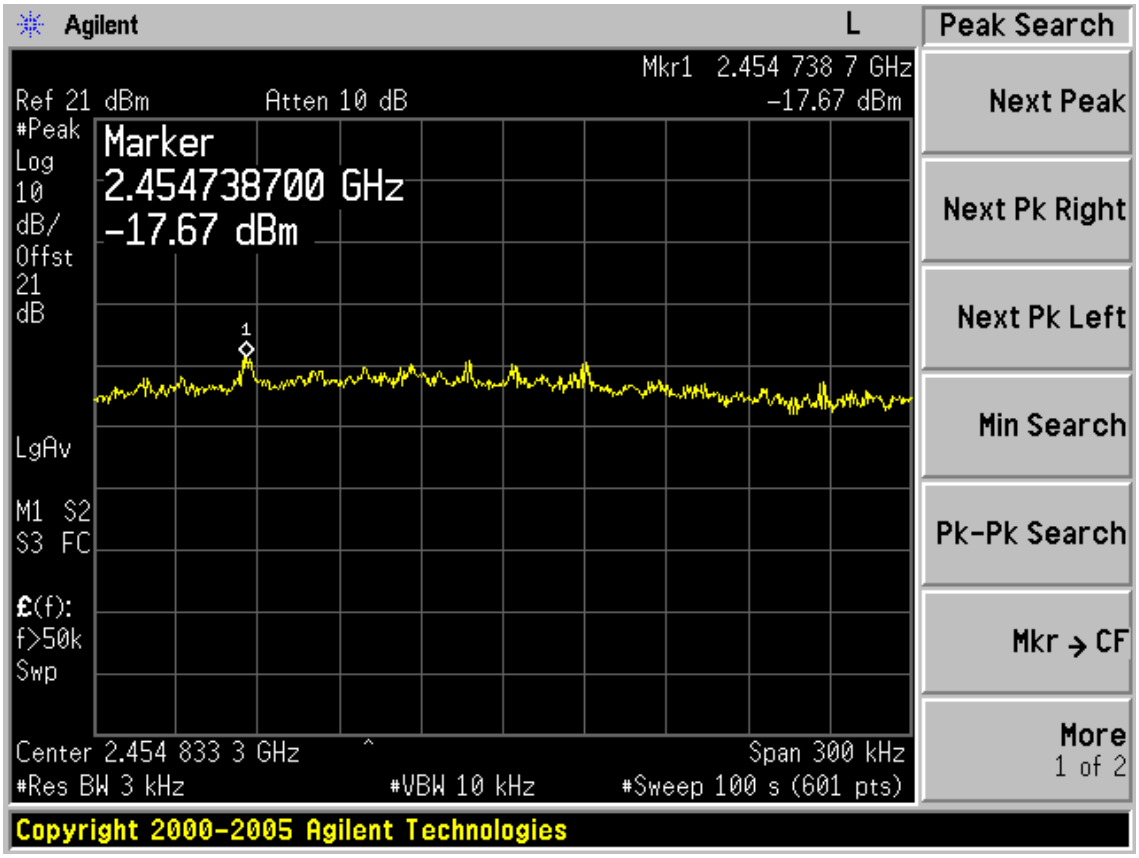
Test Mode: IEEE 802.11n HT40
Test CH1: 2422MHz



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 IFA antenna 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 0.5dBi.

11.DEVIATION TO TEST SPECIFICATIONS

[NONE]