



Flom Test Labs
EMI, EMC, RF Testing Experts Since 1963

toll-free: (866) 311-3268
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<http://www.flomlabs.com>
info@flomlabs.com

Date: May 30, 2008

Federal Communications Commission
Via: Electronic Filing

Attention: Authorization & Evaluation Division

Applicant: Thrane & Thrane A/S
Equipment: TT-3672B
FCC ID: ROJIPHANDSET
FCC Rules: 15.247

Gentlemen:

On behalf of the Applicant, enclosed please find Application Form 731, Engineering Test Report and all pertinent documentation, the whole for approval of the referenced equipment as shown.

We trust the same is in order. Should you need any further information, kindly contact the writer who is authorized to act as agent.

Sincerely yours,

Hoosamuddin S. Bandukwala, Lab Director

Flom Test Labs
3356 N. San Marcos Place, Suite 107
Chandler, Arizona 85225-7176
(866) 311-3268 phone, (480) 926-3598 fax

p0840022, d0850058 Rev 1.0

List Of Exhibits
(FCC Certification (Transmitters) - Revised 9/28/98)

Applicant: Thrane & Thrane A/S

FCC ID: ROJIPHANDSET

By Applicant:

1. Letter Of Authorization
2. Identification Drawings
 - __ Id Label
 - __ Location Info
 - __ Attestation Statement(S)
 - __ Location of Compliance Statement
3. Documentation: 2.1033(B)
 - (3) User Manual(S)
 - (4) Operational Description
 - (5) Block Diagram
 - (5) Schematic Diagram
 - (7) External Photographs
 - Internal Photographs
 - Parts List
 - Active Devices

By F.T.L. Inc.

- A. Testimonial & Statement of Certification
- B. Statement of Qualifications



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Test Report

for

FCC ID: ROJIPHANSET

Model: TT-3672B

to

Federal Communications Commission

Rule Part(s) 15.247

Date Of Report: May 30, 2008

On the Behalf of the Applicant: Thrane & Thrane A/S
Lundtoftegardsvej 93D
DK-2800 Lyngby, Denmark

Attention of: Morten Becker
+45 39 55 88 00; FAX: +45 39 55 88 88
Email: MBS@thrane.com

Supervised By:

Hoosamuddin S. Bandukwala, Lab Director

Revision History

Revision	Date	Revised By	Reason for revision
1.0	May 30, 2008	J Erhard	Original Document

The applicant has been cautioned as to the following:

15.21 Information to User.

The users manual or instruction manual for an intentional radiator shall caution the user that changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

15.27(a) Special Accessories.

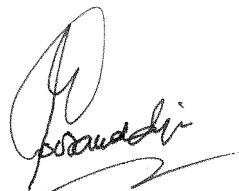
Equipment marketed to a consumer must be capable of complying with the necessary regulations in the configuration in which the equipment is marketed. Where special accessories, such as shielded cables and/or special connectors are required to enable an unintentional or intentional radiator to comply with the emission limits in this part, the equipment must be marketed with, i.e. shipped and sold with, those special accessories. However, in lieu of shipping or packaging the special accessories with the unintentional or intentional radiator, the responsible party may employ other methods of ensuring that the special accessories are provided to the consumer, without additional charge.

Information detailing any alternative method used to supply the special accessories for a grant of equipment authorization or retained in the verification records, as appropriate. The party responsible for the equipment, as detailed in § 2.909 of this chapter, shall ensure that these special accessories are provided with the equipment. The instruction manual for such devices shall include appropriate instructions on the first page of text concerned with the installation of the device that these special accessories must be used with the device. It is the responsibility of the user to use the needed special accessories supplied with the equipment.

Testimonial And Statement Of Certification

This is to certify that:

1. **That** the application was prepared either by, or under the direct supervision of, the undersigned.
2. **That** the technical data supplied with the application was taken under my direction and supervision.
3. **That** the data was obtained on representative units, randomly selected.
4. **That**, to the best of my knowledge and belief, the facts set forth in the application and accompanying technical data are true and correct.



Certifying Engineer:

Hoosamuddin S. Bandukwala, Lab Director

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Required information per ISO 17025-2005, paragraph 5.10.2:

a) **Test Report**

b) Laboratory: Flom Test Lab, Inc.
(FCC: 31040/SIT) 3356 N. San Marcos Place, Suite 107
(Canada: IC 2044A-1) Chandler, AZ 85225

c) Report Number: d0850058

d) Client: Thrane & Thrane A/S

e) Identification: TT-3672B
FCC ID: ROJIPHANDSET
Description: Wireless VoIP Handset

f) EUT Condition: Not required unless specified in individual tests.

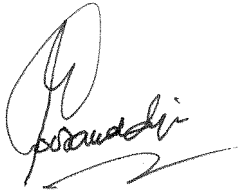
g) Report Date: May 30, 2008
EUT Received:

h, j, k): As indicated in individual tests.

i) Sampling method: No sampling procedure used.

l) Uncertainty: In accordance with FTL internal quality manual.

m) Supervised by:



Hoosamuddin S. Bandukwala, Lab Director

n) Results: The results presented in this report relate only to the item tested.

o) Reproduction: This report must not be reproduced, except in full, without written permission from this laboratory.

List Of General Information Required For Certification

In Accordance with FCC Rules and Regulations,
Volume II, Part 2 and to

15.247

Sub-Part 2.1033

(c)(1):

Name and Address of Applicant: Thrane & Thrane A/S

(c)(2): **FCC ID:** ROJIPHANDSET

Model Number: TT-3672B

(c)(3): **Instruction Manual(s):**

Please See Attached Exhibits

(c)(4): **Type of Emission:** DTS

(c)(5): **FREQUENCY RANGE, MHz:** 2412 to 2462

(c)(6): **Power Rating, W:** 63.1mW
 ___ Switchable ___ Variable x N/A

(c)(7): **Maximum Power Rating, W:** 1W

15.203: **Antenna Requirement:**

- X The antenna is permanently attached to the EUT
- _____ The antenna uses a unique coupling
- _____ The EUT must be professionally installed
- _____ The antenna requirement does not apply

The unit was tested with an integrated antenna with a gain of 2dBi.

Subpart 2.1033 (continued)**(c)(8): Circuit Diagram/Circuit Description:**

Including description of circuitry & devices provided for determining and stabilizing frequency, for suppression of spurious radiation, for limiting modulation and limiting power.

Please See Attached Exhibits

(c)(9): Label Information:

Please See Attached Exhibits

(c)(10): Photographs:

Please See Attached Exhibits

(c)(11): Digital Modulation Description:

Attached Exhibits

N/A

(c)(12): Test And Measurement Data:

Follows

Sub-part
2.1033(b):

Test And Measurement Data

All tests and measurement data shown were performed in accordance with FCC Rules and Regulations, Volume II; Part 2 and the following individual Parts:

15.247 Operation within bands 902-928, 2400-2483.5, 5725-5850 MHz

Standard Test Conditions and Engineering Practices

Except as noted herein, the following conditions and procedures were observed during the testing:

In accordance with ANSI C63.4-2003, FCC DTS Guide March 23, 2005, and unless otherwise indicated in the specific measurement results, the ambient temperature of the actual EUT was maintained within the range of 10° to 40°C (50° to 104 °F) unless the particular equipment requirements specify testing over a different temperature range. Also, unless otherwise indicated, the humidity levels were in the range of 10% to 90% relative humidity.

Measurement results, unless otherwise noted, are worst-case measurements.

A2LA

“A2LA has accredited Flom Test Labs, Inc. Chandler, AZ for technical competence in the field of Electrical testing. The accreditation covers the specific tests and types of tests listed on the agreed scope of accreditation. This laboratory meets the requirements of ISO 17025:2005 ‘General Requirements for the Competence of Testing and Calibration Laboratories’ and any additional program requirements in the identified field of testing.”

Please refer to www.a2la.org for current scope of accreditation.

Certificate number: 2152.01



IC O.A.T.S. Number: 2044A-1

Test Results Summary

Specification	Test Name	Pass, Fail, N/A	Comments
15.247(b)	Peak Output Power	Pass	
15.247(d)	Conducted Spurious Emissions	Pass	
15.247(d), 15.209(a), 15.205	Radiated Spurious Emissions	Pass	
15.247(d), 15.209(a), 15.205	Emissions At Band Edges	Pass	
15.247(a)(2)	Occupied Bandwidth	Pass	
15.247(e)	Transmitter Power Spectral Density	Pass	
15.207	A/C Powerline Conducted Emissions	Pass	

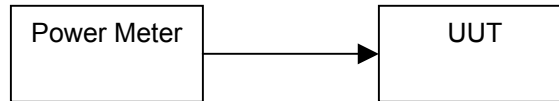
Name of Test: Peak Output Power
Specification: 15.247(b)
Test Equipment Utilized i00228, i00317

Test Date: 6/12/2008

Test Procedure

The UUT was connected directly to a power meter input. The peak readings were taken and the result was then compared to the limit.

Test Setup



Peak Output Power 1 MBPs

Tuned Frequency MHz	Recorded Measurement (dBm)	Specification Limit	Result
2412	15.46	1 W	Pass
2442	17.0	1 W	Pass
2462	16.5	1 W	Pass

Peak Output Power 11 MBPs

Tuned Frequency MHz	Recorded Measurement (dBm)	Specification Limit	Result
2412	16.2	1 W	Pass
2442	18.0	1 W	Pass
2462	16.5	1 W	Pass

Peak Output Power 6 MBPs

Tuned Frequency MHz	Recorded Measurement (dBm)	Specification Limit	Result
2412	14.2	1 W	Pass
2442	15.3	1 W	Pass
2462	14.9	1 W	Pass

Peak Output Power 54 MBPs

Tuned Frequency MHz	Recorded Measurement (dBm)	Specification Limit	Result
2412	14.3	1 W	Pass
2442	16.5	1 W	Pass
2462	15.0	1 W	Pass

Name of Test: Conducted Spurious Emissions
Specification: 15.247(d)
Spec. Limit: -20 dBc
Test Equipment Utilized i00331

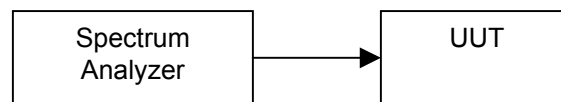
Test Date: 6/12/2008

Test Procedure

The UUT was connected directly to a spectrum analyzer to verify that the UUT met the requirements for spurious emissions. The reference level was offset for the peak power output with the resolution bandwidth set for 1 MHz. The frequency range from 30 MHz to the 10th harmonic of the fundamental transmitter was observed. Only detectable spurious emissions were recorded and plotted. The reference level is added to the recorded measurement to provide the corrected level dBc

Only the worst case is recorded in the Conducted Spurious Emissions Summary Test Table.

Test Setup



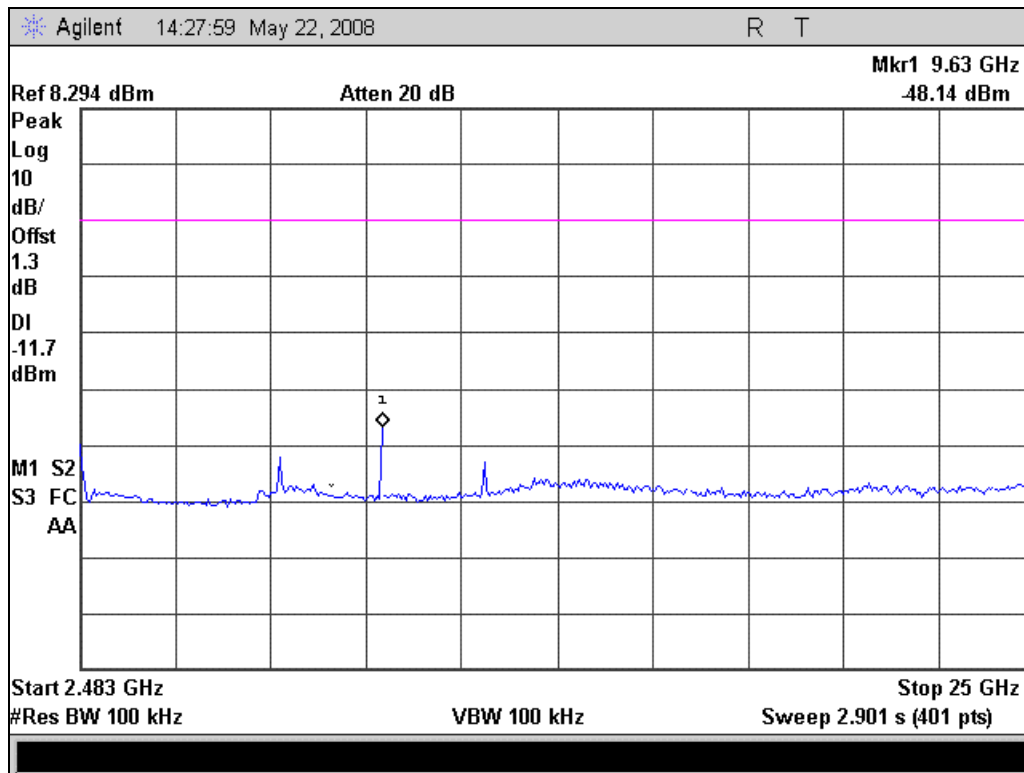
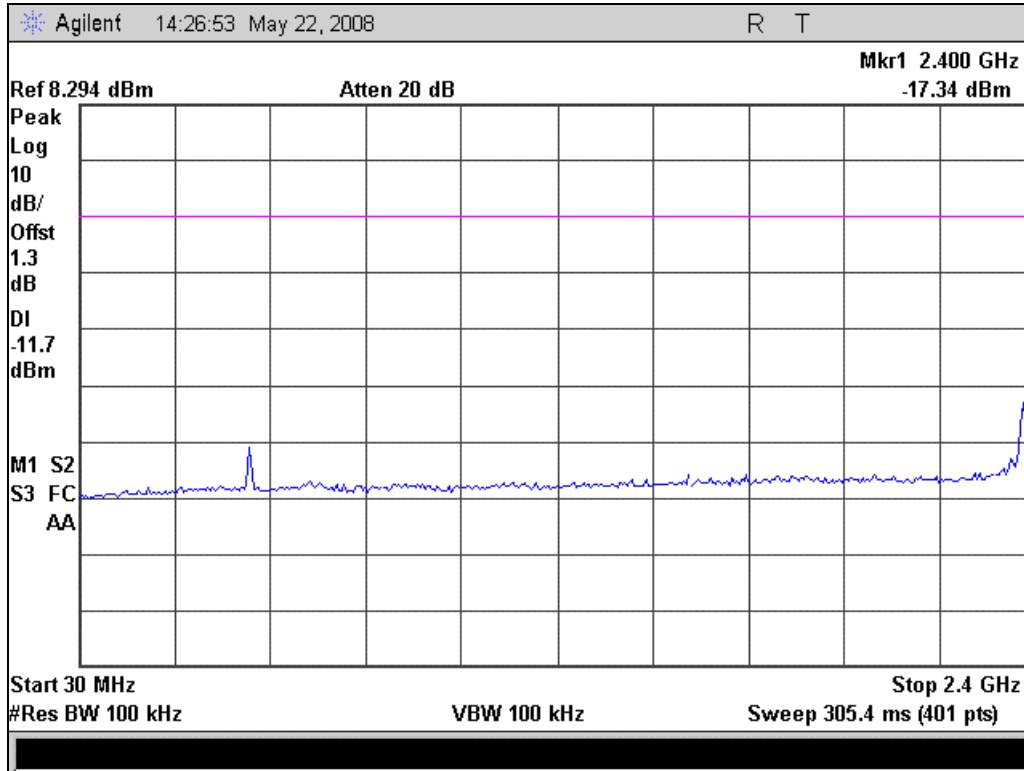
Conducted Spurious Emissions Summary Test Table 11 MBPs

Tuned Frequency MHz	Emission Frequency MHz	Recorded Measurement	Reference Level	Corrected Measurement	Specification Limit	Result
2412	2399	-17.34 dB	8.294 dB	-25.634 dBc	-20 dBc	Pass
2442	2399	-49.62 dB	6.877 dB	-56.497 dBc	-20 dBc	Pass
2462	9860	-49.72 dB	12.03 dB	-61.75 dBc	-20 dBc	Pass

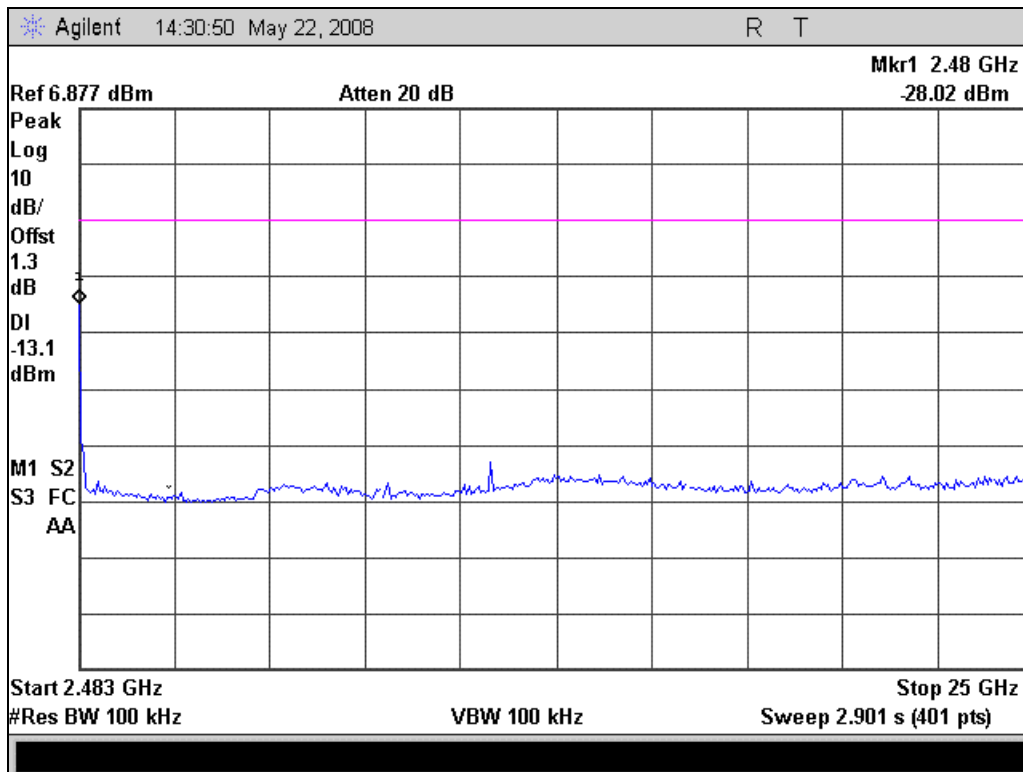
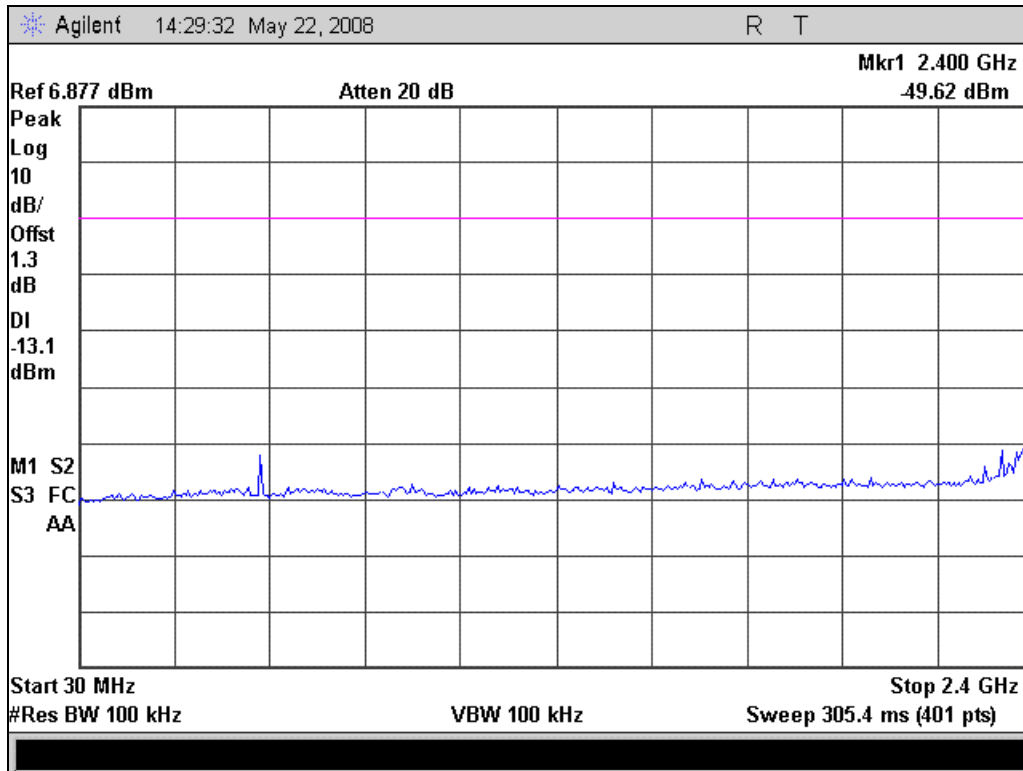
Conducted Spurious Emissions Summary Test Table 54 MBPs

Tuned Frequency MHz	Emission Frequency MHz	Recorded Measurement	Reference Level	Corrected Measurement	Specification Limit	Result
2412	2394	-25.83 dB	2.309 dB	-28.139 dBc	-20 dBc	Pass
2442	2540	-54.07 dB	1.398 dB	-55.468 dBc	-20 dBc	Pass
2462	2394	-56.24 dB	8.022 dB	-64.262 dBc	-20 dBc	Pass

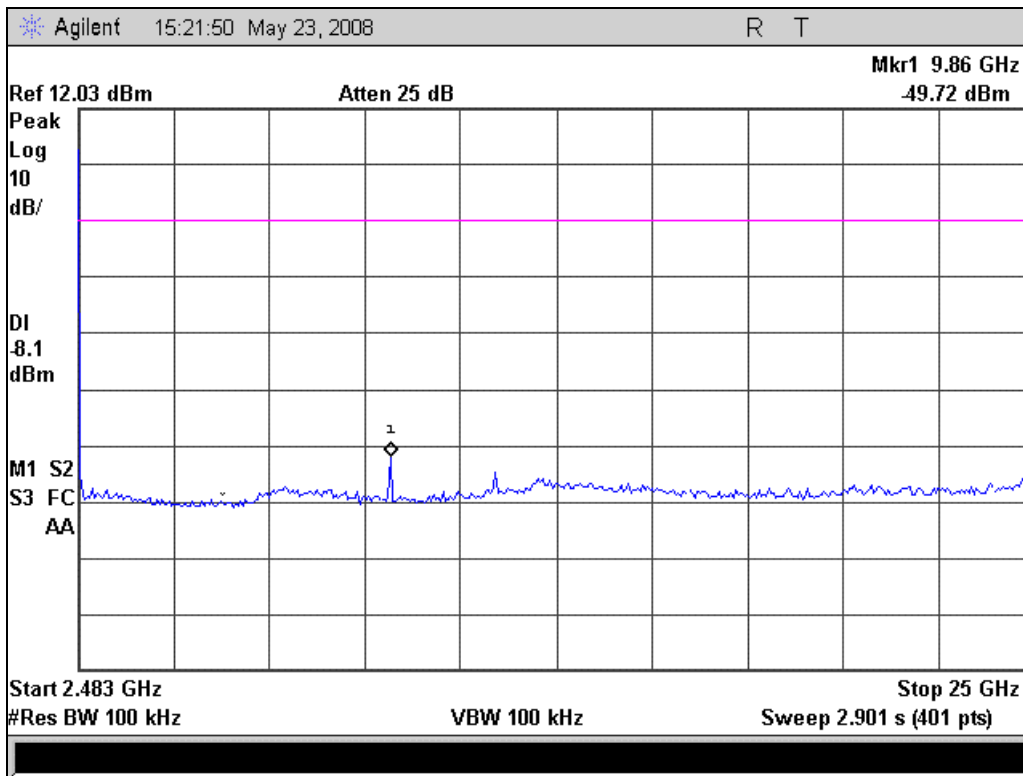
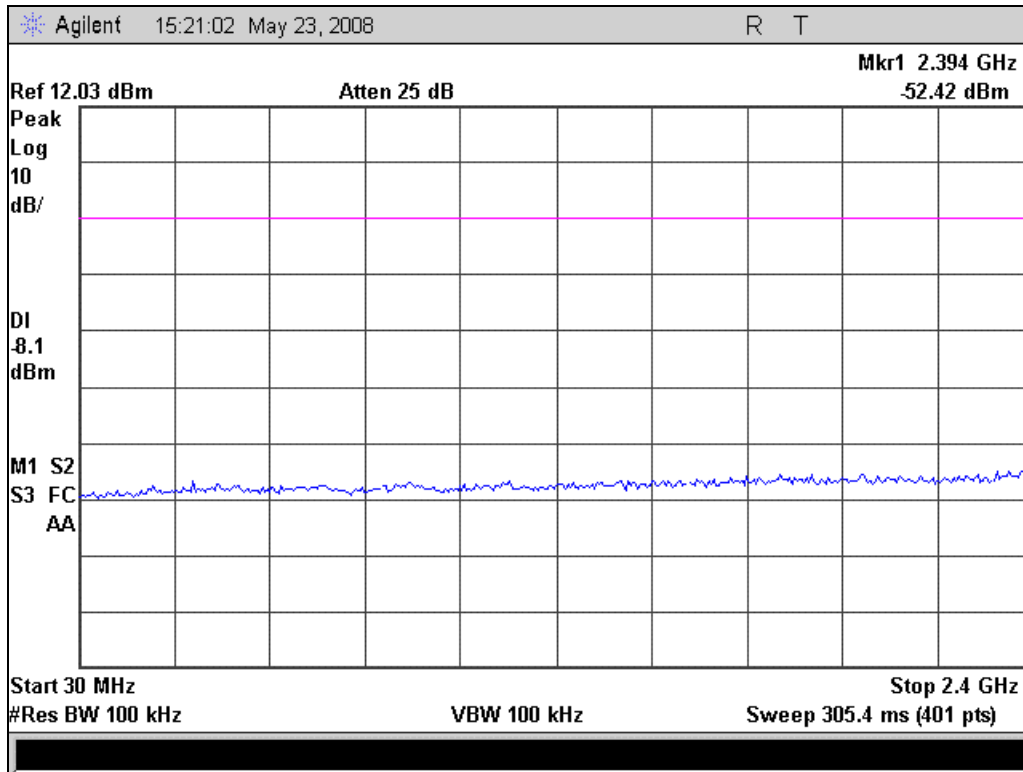
2412 MHz Conducted Emissions 11 MBPs



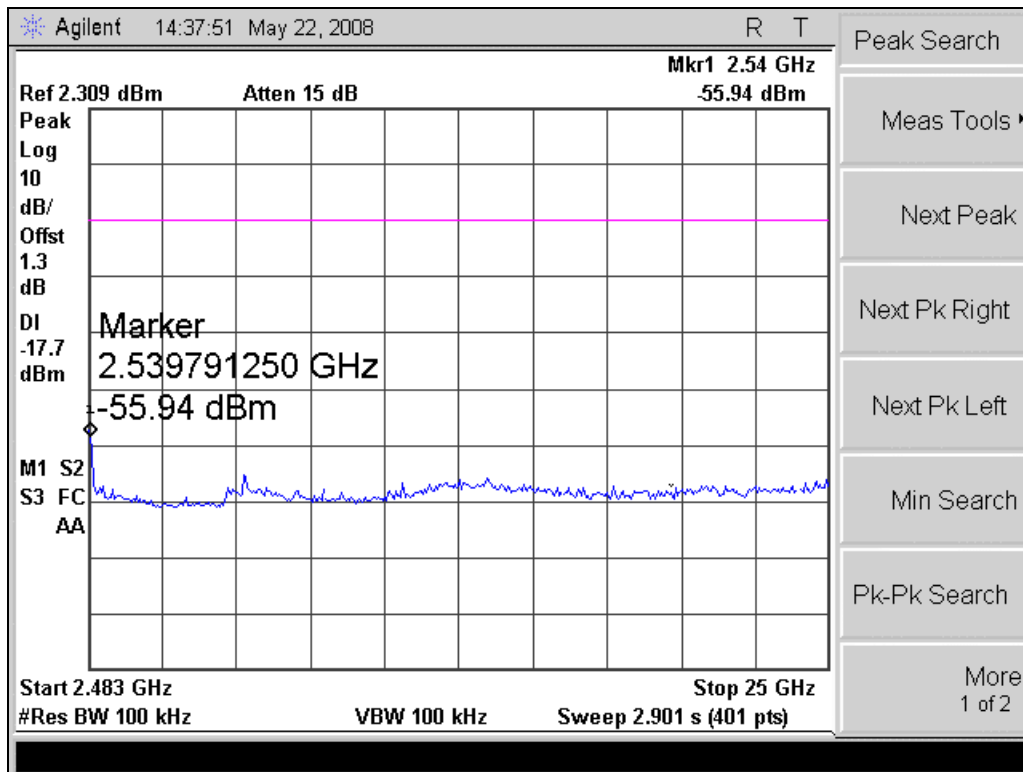
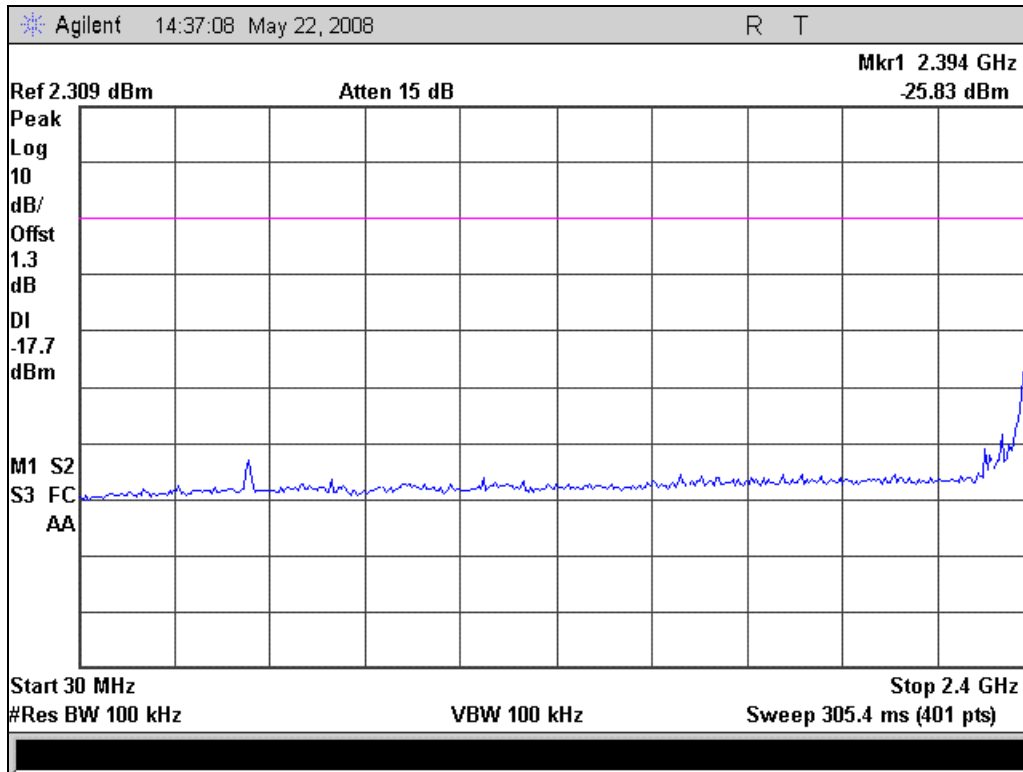
2442 MHz Conducted Emissions 11 MBPs



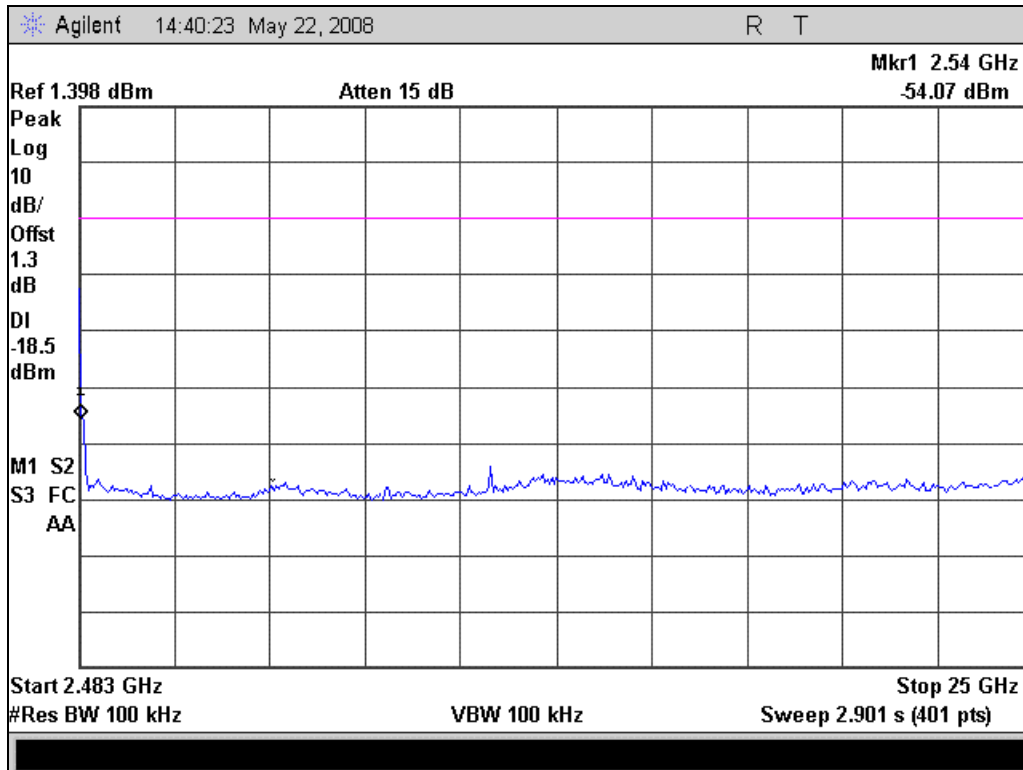
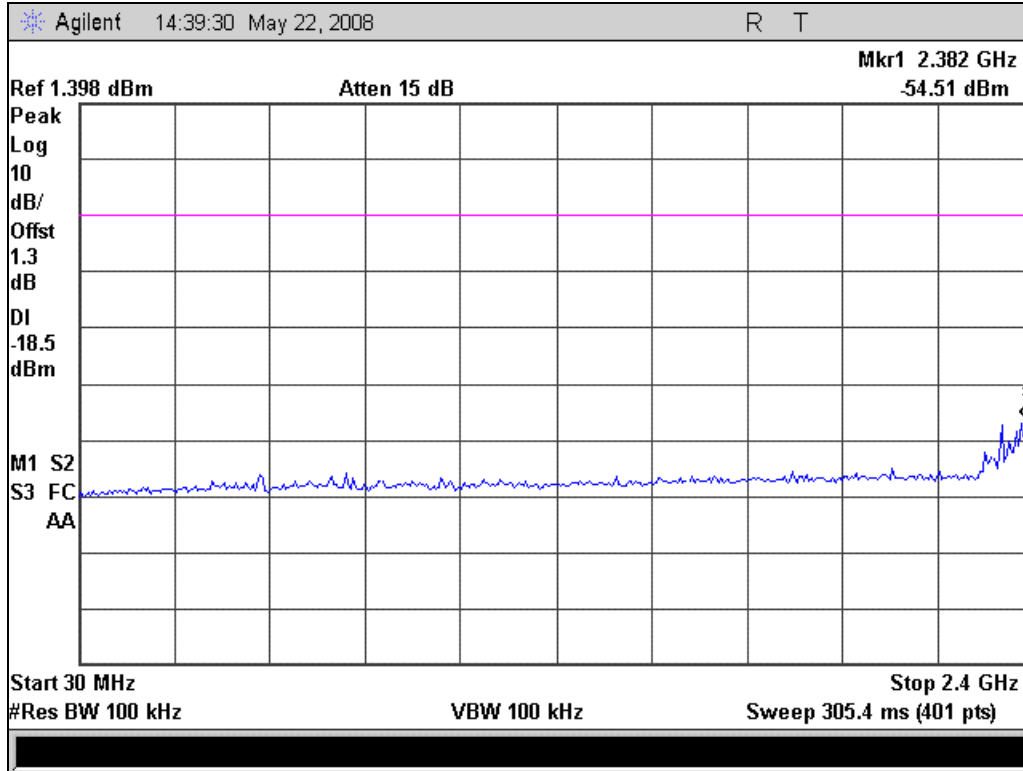
2462 MHz Conducted Emissions 11 MBPs



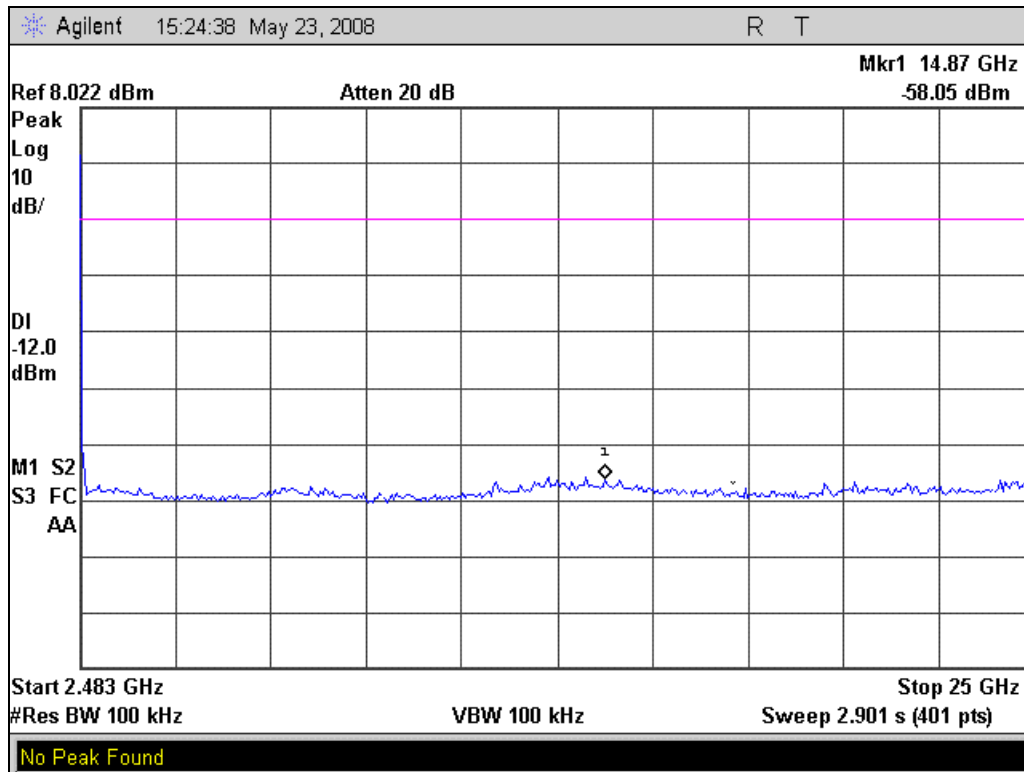
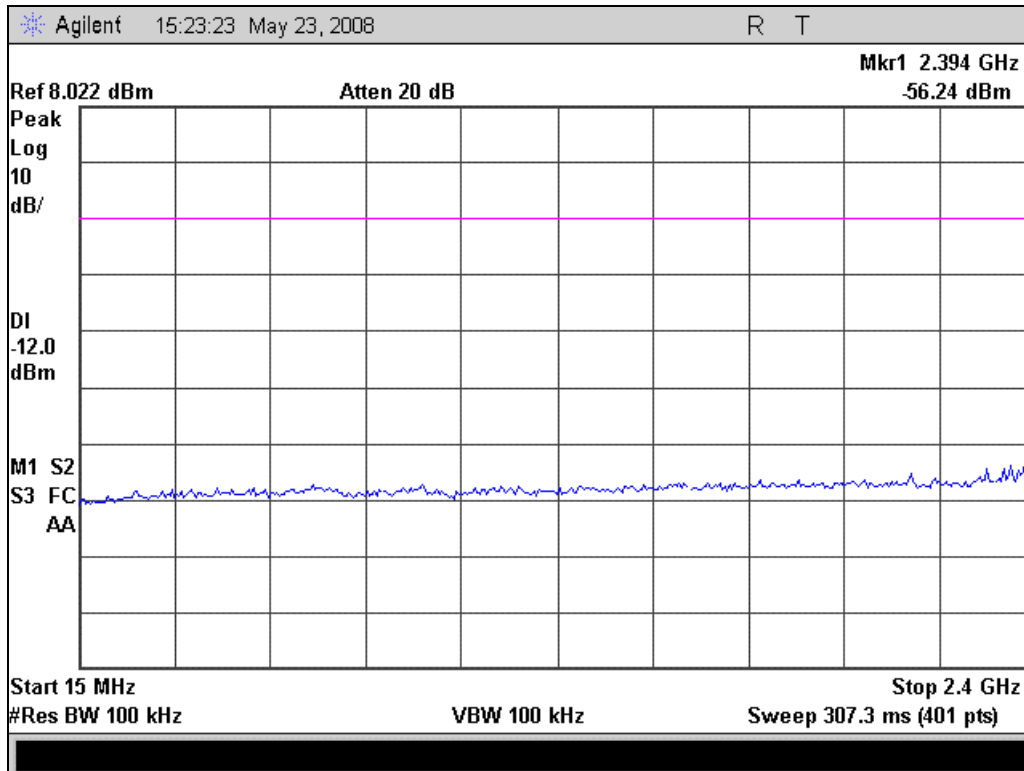
2412 MHz Conducted Emissions 54 MBPs



2442 MHz Conducted Emissions 54 MBPs



2462 MHz Conducted Emissions 54 MBPs



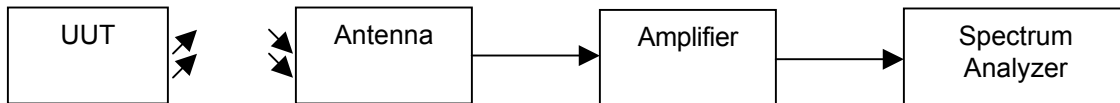
Name of Test: Radiated Spurious Emissions
Specification: 15.247(d), 15.209(a), 15.205
Spec. Limit: See Table
Test Equipment Utilized i00103, i00331

Test Date: 6/13/2008

Test Procedure

The UUT was tested in a semi-anechoic chamber set 3m from the receiving antenna. A spectrum analyzer was used to verify that the UUT met the requirements for Radiated Spurious Emissions. The antenna and cable correction factors were summed with the amplifier gain and input into the spectrum analyzer as an offset to ensure accurate readings. The spectrum for each tuned frequency was examined to the 10th harmonic.

Test Setup



1 MBPs Radiated Spurious Emissions

Tuned Freq (MHz)	Emission Freq (MHz)	Peak Monitored Level (dBuV/m)	Peak Limit (dBuV/m)	Average Monitored Level (dBuV/m)	Average Limit (dBuV/m)	Result
2412	4824.0	52.53	74.0	46.31	54.0	Pass
2442	4884.0	52.96	74.0	48.56	54.0	Pass
2462	4924.0	52.49	74.0	47.50	54.0	Pass

11 MBPs Radiated Spurious Emissions

Tuned Freq (MHz)	Emission Freq (MHz)	Peak Monitored Level (dBuV/m)	Peak Limit (dBuV/m)	Average Monitored Level (dBuV/m)	Average Limit (dBuV/m)	Result
2412	4824.0	53.04	74.0	48.11	54.0	Pass
2442	4884.0	51.26	74.0	47.57	54.0	Pass
2462	4924.0	53.53	74.0	46.53	54.0	Pass

6 MBPs Radiated Spurious Emissions

Tuned Freq (MHz)	Emission Freq (MHz)	Peak Monitored Level (dBuV/m)	Peak Limit (dBuV/m)	Average Monitored Level (dBuV/m)	Average Limit (dBuV/m)	Result
2412	4824.0	51.29	74.0	44.08	54.0	Pass
2442	4884.0	50.01	74.0	43.93	54.0	Pass
2462	4924.0	49.80	74.0	44.29	54.0	Pass

54 MBPs Radiated Spurious Emissions

Tuned Freq (MHz)	Emission Freq (MHz)	Peak Monitored Level (dBuV/m)	Peak Limit (dBuV/m)	Average Monitored Level (dBuV/m)	Average Limit (dBuV/m)	Result
2412	4824.0	52.44	74.0	46.64	54.0	Pass
2442	4884.0	50.22	74.0	43.67	54.0	Pass
2462	4924.0	50.05	74.0	43.58	54.0	Pass

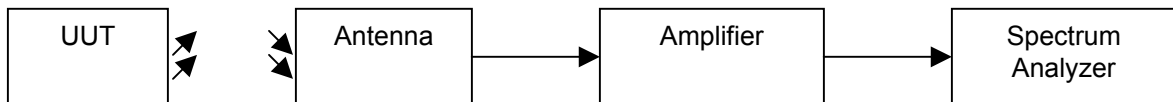
No other emissions were detectable. All emissions were greater than -20 dBc.

Name of Test: Emissions At Band Edges
Specification: 15.247(d), 15.209(a), 15.205
Limit: -20 dBc and for restricted band 54 dBuV average and 74 dBuV peak
Test Equipment Utilized i00103, i00331 **Test Date:** 6/13/2008

Test Procedure

The UUT was tested in a semi-anechoic chamber set 3m from the receiving transducer. A spectrum analyzer was used to verify that the UUT met the requirements for band edge with both peak and average measurements. The cable and transducer correction factors were input into the analyzer as a reference level offset to ensure accurate readings were obtained.

Test Setup



1 MBPs Band Edge Emissions Summary

Tuned Freq (MHz)	Emission Freq (MHz)	Monitored Level	Detector	Limit	Result
2412	2400.0	-40.04 dBc	Peak	-20 dBc	Pass
2462	2483.5	-49.36 dBc	Peak	-20 dBc	Pass

1 MBPs Restricted Band Emissions Summary

Tuned Freq (MHz)	Emission Freq (MHz)	Monitored Level (dBuV/m)	Detector	Limit (dBuV/m)	Result
2412	2390.0	54.42	Peak	74	Pass
2412	2389.175	49.12	Average	54	Pass
2462	2483.5	56.27	Peak	74	Pass
2462	2488.15	48.82	Average	54	Pass

11 MBPs Band Edge Emissions Summary

Tuned Freq (MHz)	Emission Freq (MHz)	Monitored Level	Detector	Limit	Result
2412	2400	-45.56 dBc	Peak	-20 dBc	Pass
2462	2483.5	-48.66 dBc	Peak	-20 dBc	Pass

11 MBPs Restricted Band Emissions Summary

Tuned Freq (MHz)	Emission Freq (MHz)	Monitored Level (dBuV/m)	Detector	Limit (dBuV/m)	Result
2412	2389.625	55.13	Peak	74	Pass
2412	2389.85	48.65	Average	54	Pass
2462	2483.5	57.01	Peak	74	Pass
2462	2488.0	47.43	Average	54	Pass

6 MBPs Band Edge Emissions Summary

Tuned Freq (MHz)	Emission Freq (MHz)	Monitored Level	Detector	Limit	Result
2412	2400	-39.05 dBc	Peak	-20 dBc	Pass
2462	2483.5	-43.13 dBc	Peak	-20 dBc	Pass

6 MBPs Restricted Band Emissions Summary

Tuned Freq (MHz)	Emission Freq (MHz)	Monitored Level (dBuV/m)	Detector	Limit (dBuV/m)	Result
2412	2390.0	53.81	Peak	74	Pass
2412	2390.0	46.46	Average	54	Pass
2462	2483.5	60.36	Peak	74	Pass
2462	2483.5	49.41	Average	54	Pass

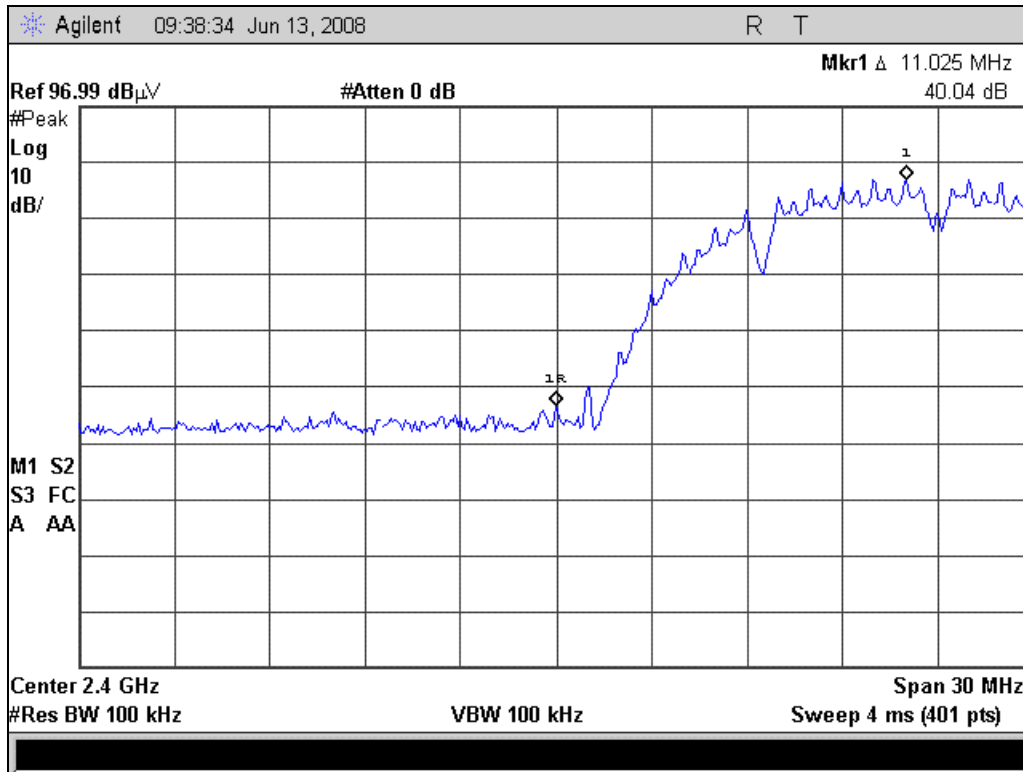
54 MBPs Band Edge Emissions Summary

Tuned Freq (MHz)	Emission Freq (MHz)	Monitored Level	Detector	Limit	Result
2412	2400	-38.94 dBc	Peak	-20 dBc	Pass
2462	2483.5	-44.28 dBc	Peak	-20 dBc	Pass

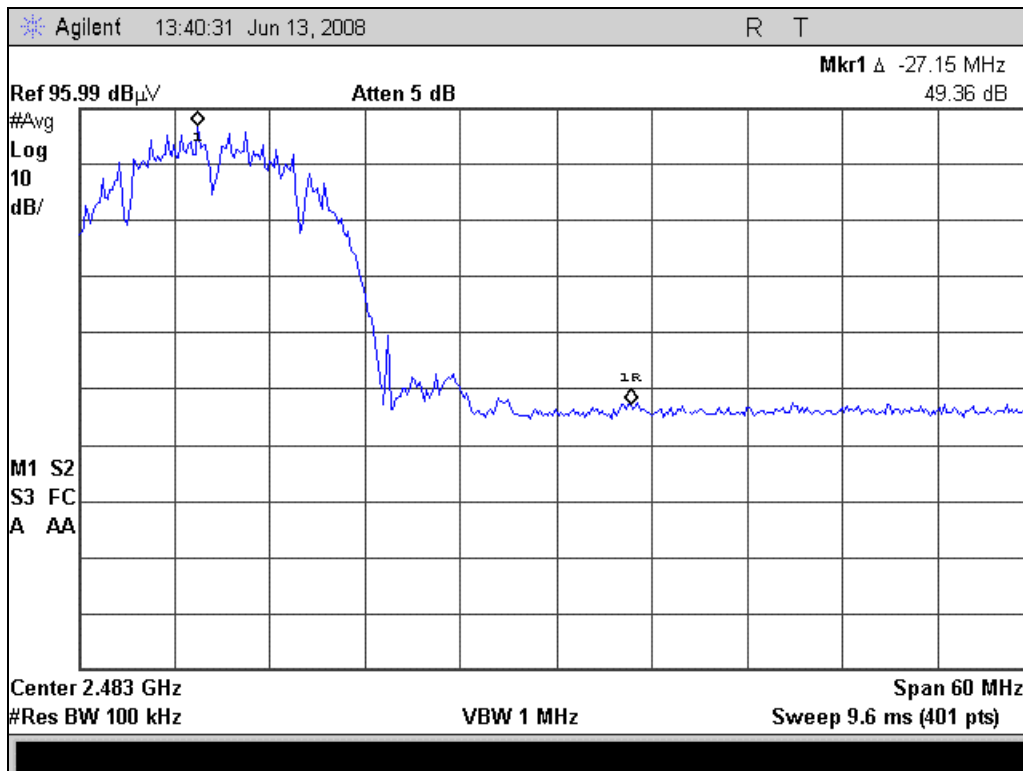
54 MBPs Restricted Band Emissions Summary

Tuned Freq (MHz)	Emission Freq (MHz)	Monitored Level (dBuV/m)	Detector	Limit (dBuV/m)	Result
2412	53.97	2390.0	Peak	74	Pass
2412	47.08	2390.0	Average	54	Pass
2462	58.90	2483.5	Peak	74	Pass
2462	51.37	2483.5	Average	54	Pass

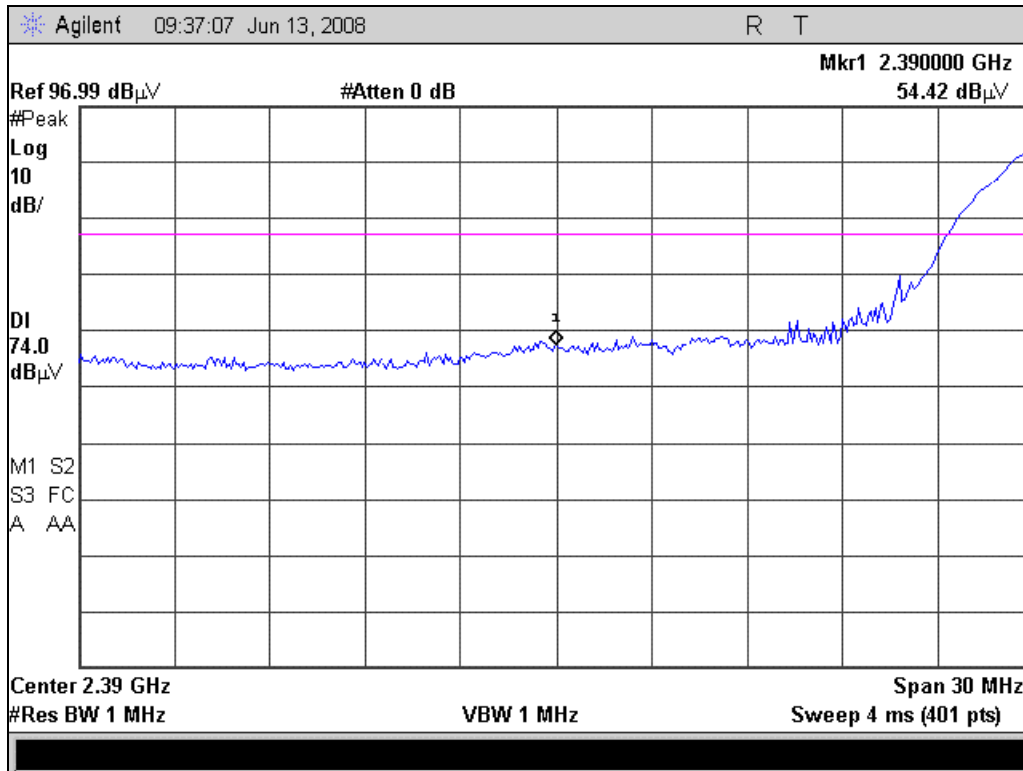
1 MBPs Band Edge 2400 MHz



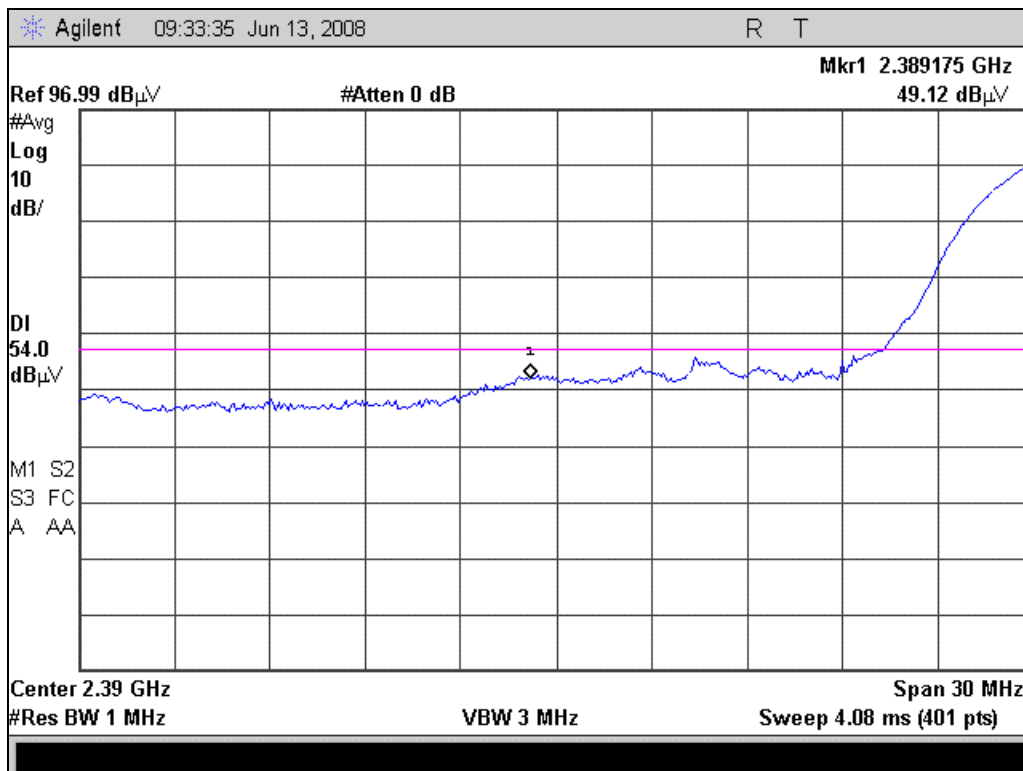
1 MBPs Band Edge 2483.5 MHz



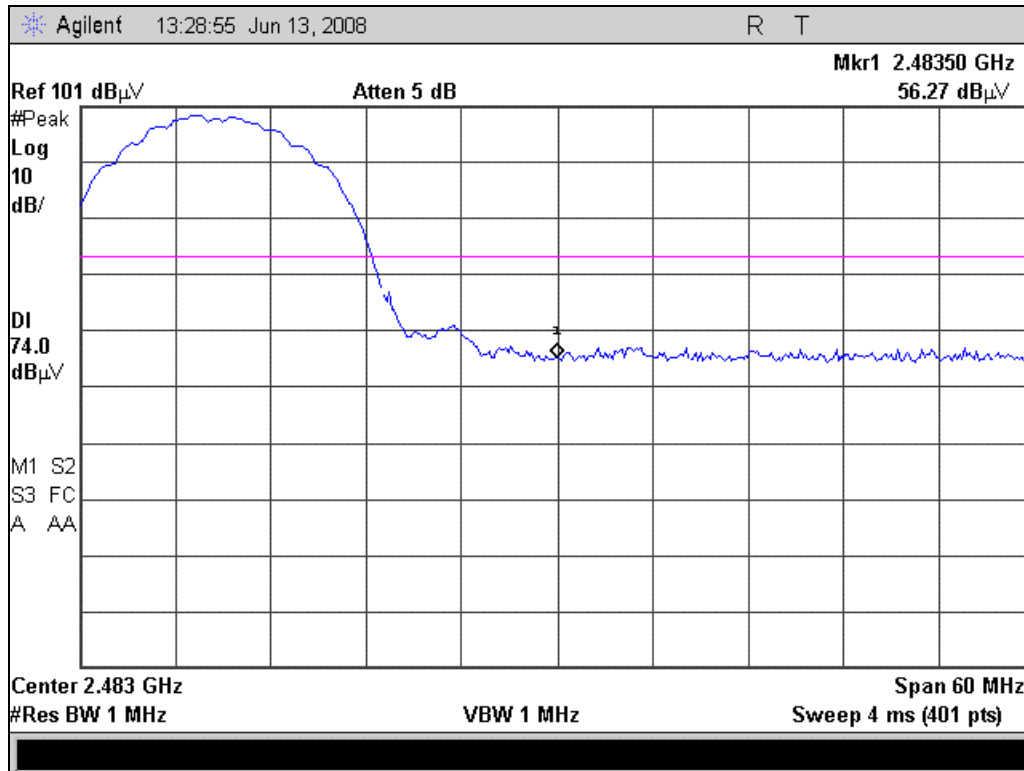
1 MBPs Restricted Band Peak 2390 MHz



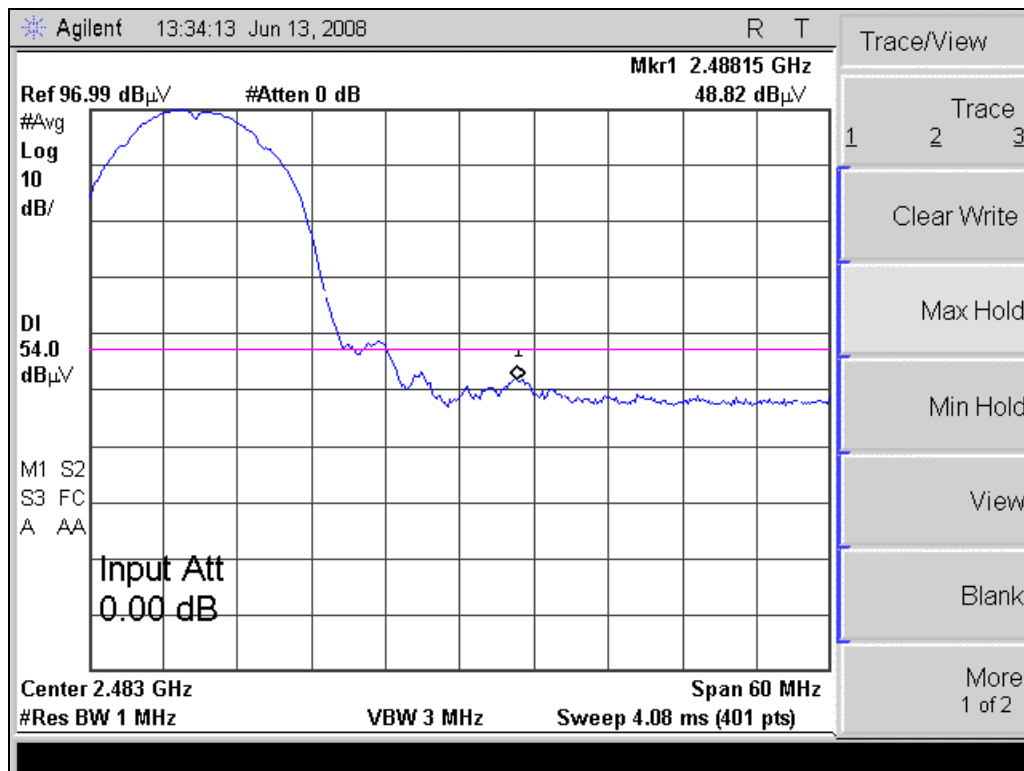
1 MBPs Restricted Band Average 2390 MHz



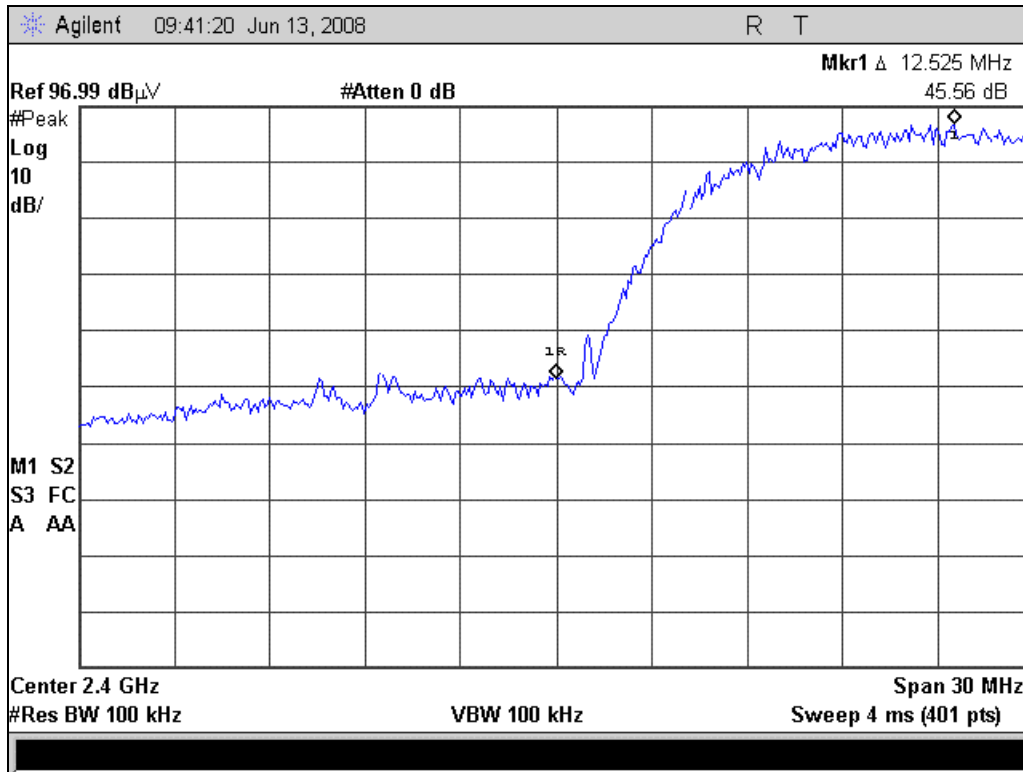
MBPs Restricted Band Peak 2483.5 MHz



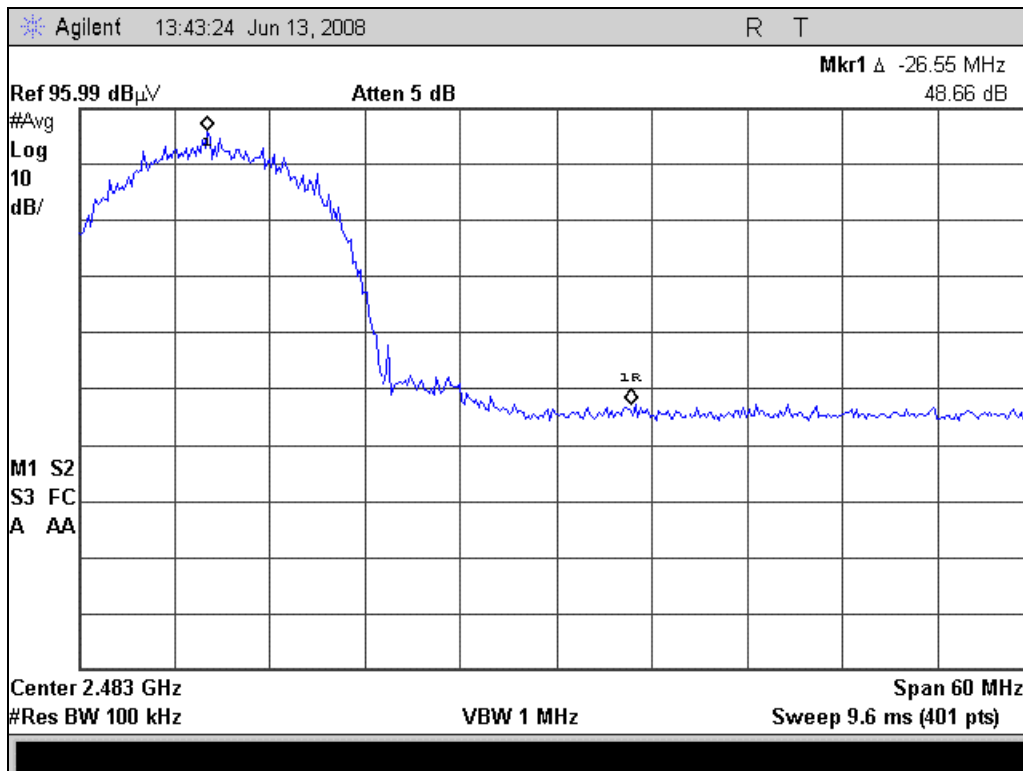
1 MBPs Restricted Band Average 2483.5 MHz



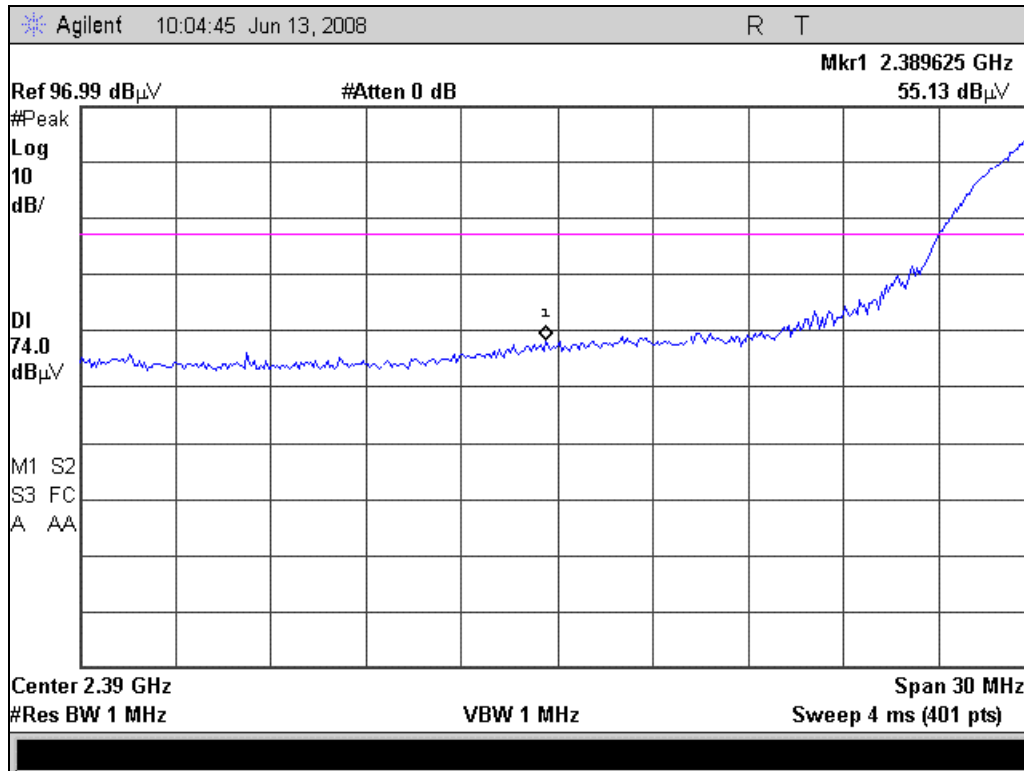
11 MBPs Band Edge 2400 MHz



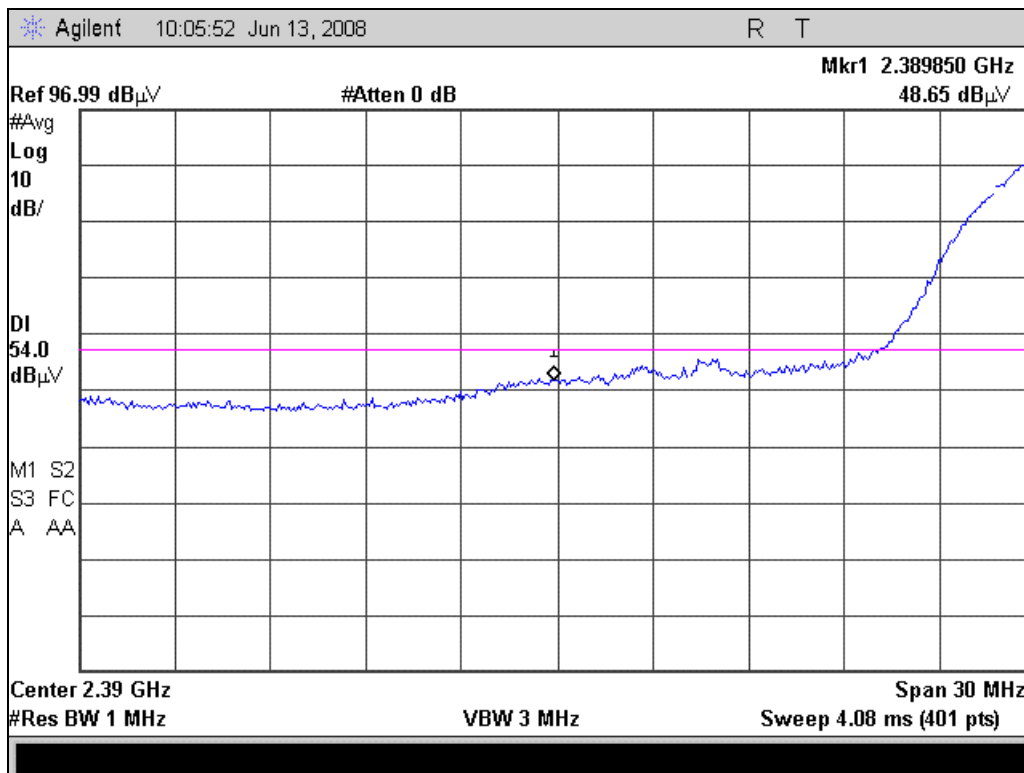
11 MBPs Band Edge 2483.5 MHz



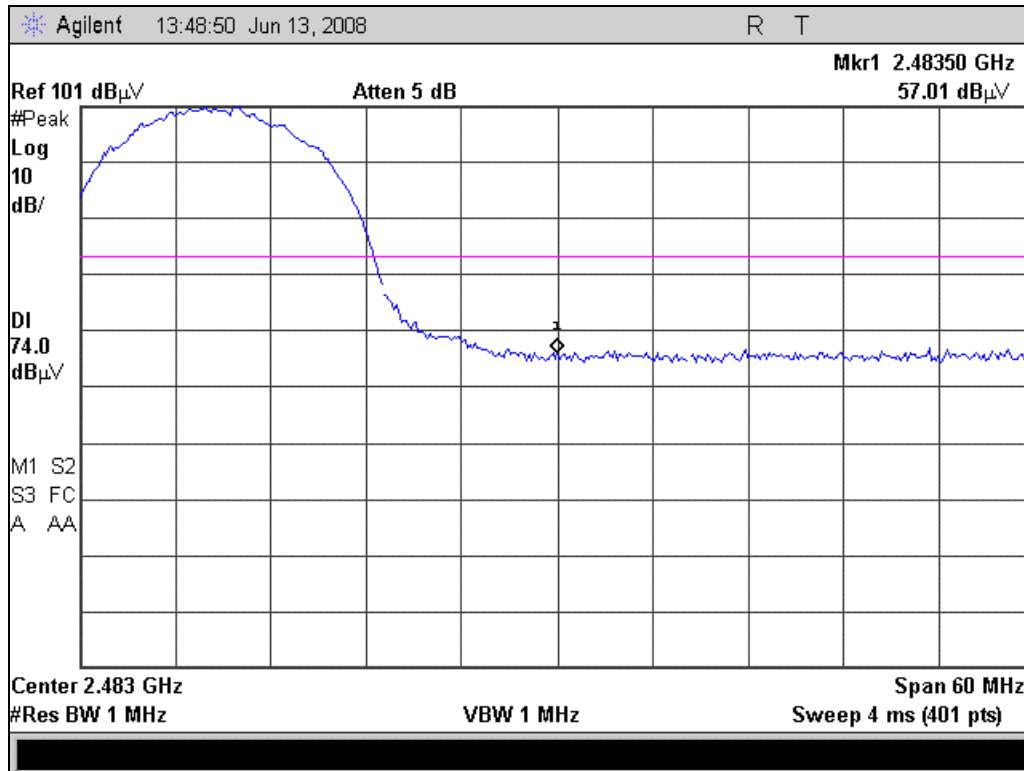
11 MBPs Restricted Band Peak 2390 MHz



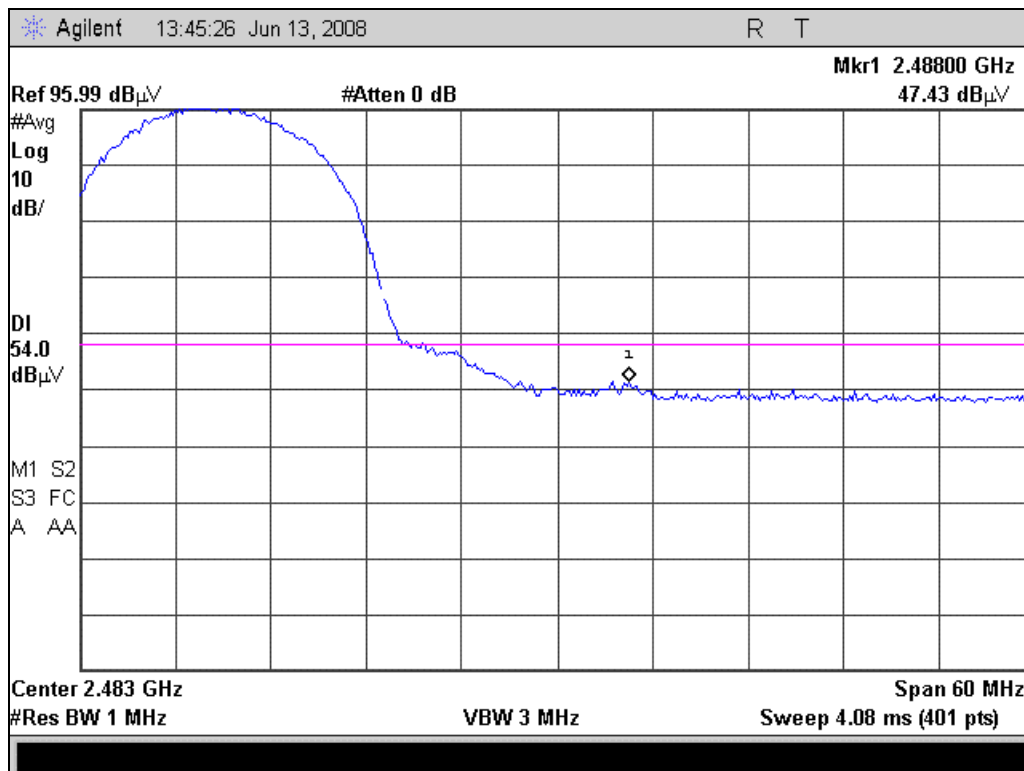
11 MBPs Restricted Band Average 2390 MHz



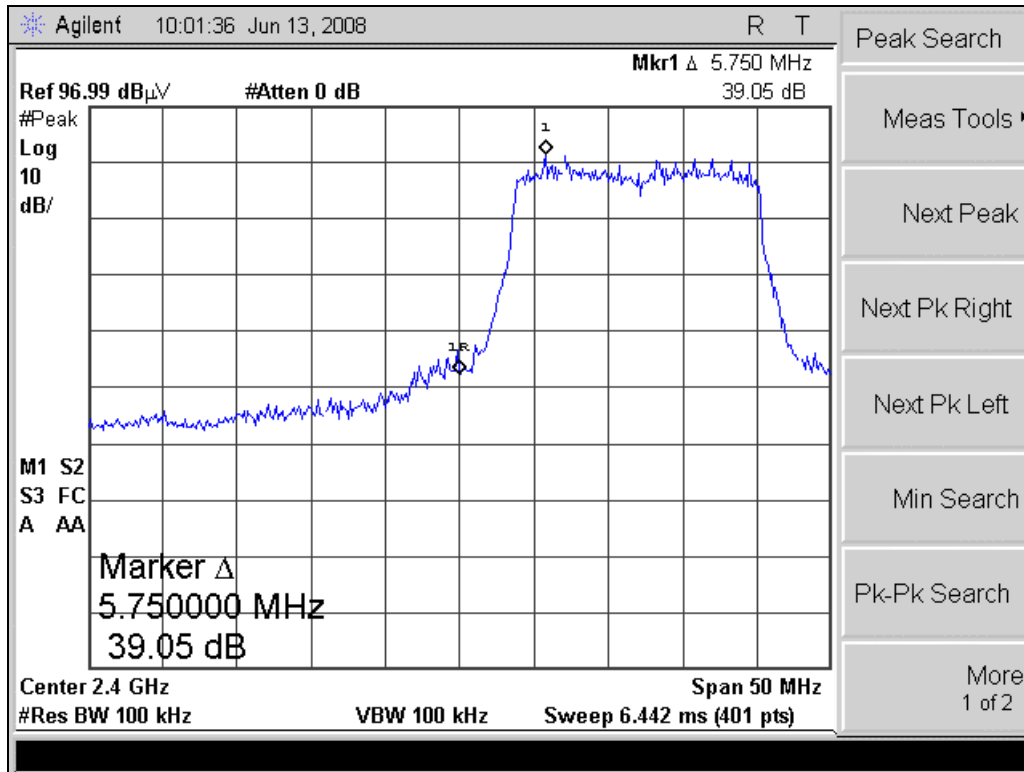
11 MBPs Restricted Band Peak 2483.5 MHz



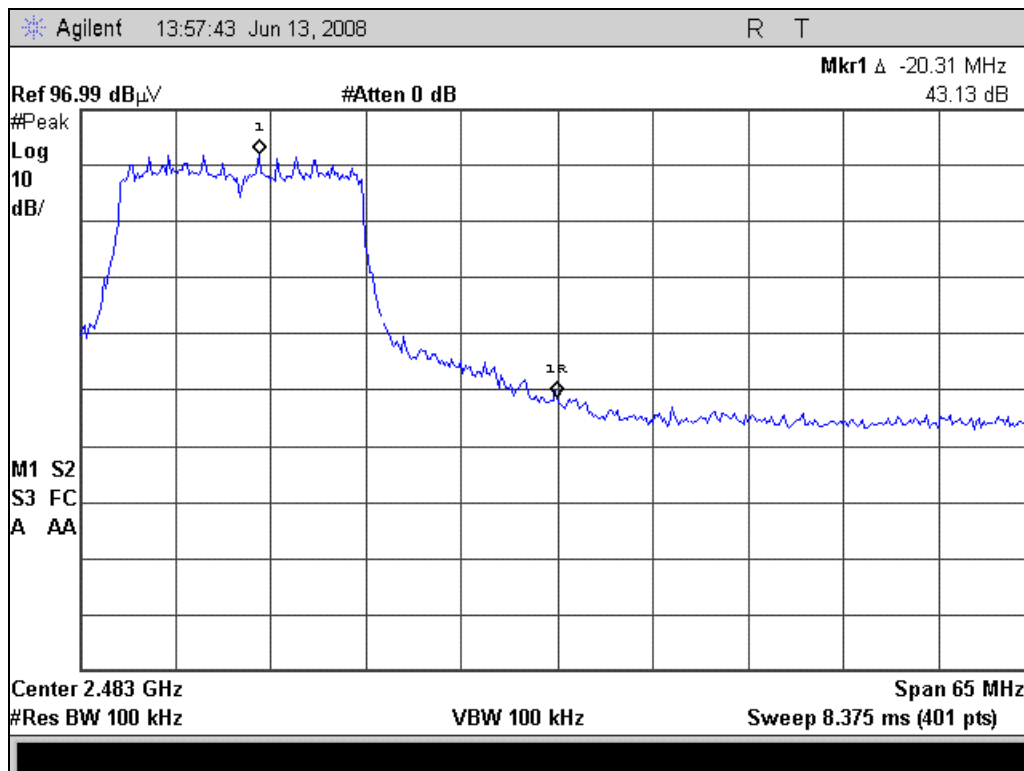
11 MBPs Restricted Band Average 2483.5 MHz



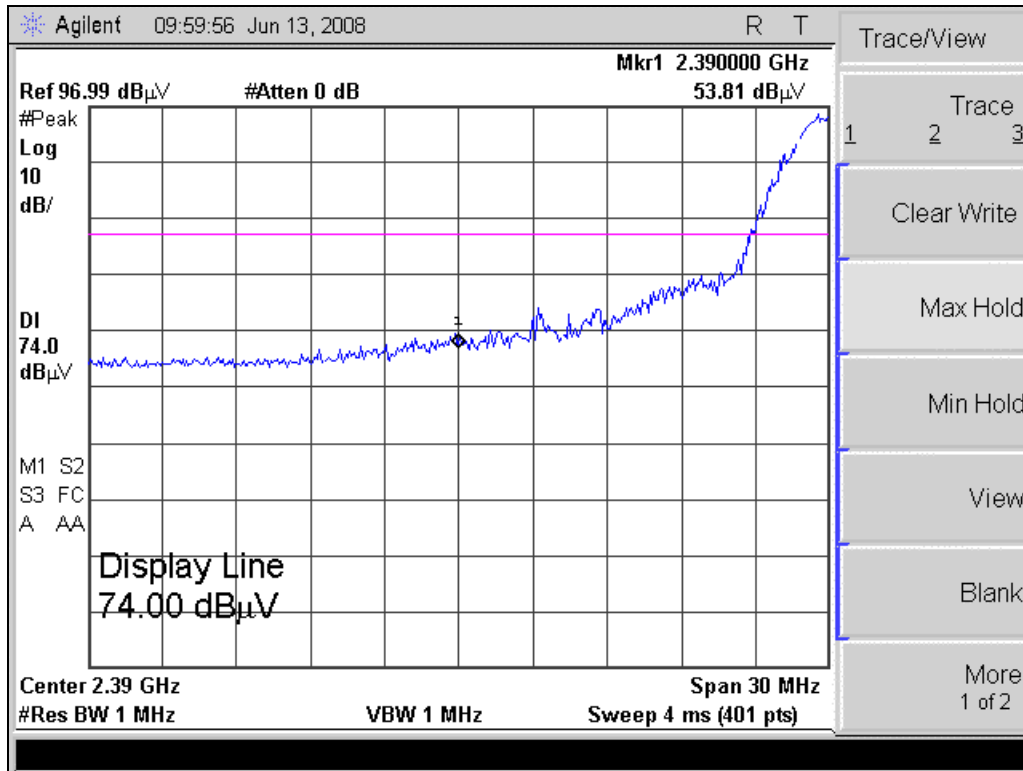
6 MBPs Band Edge 2400 MHz



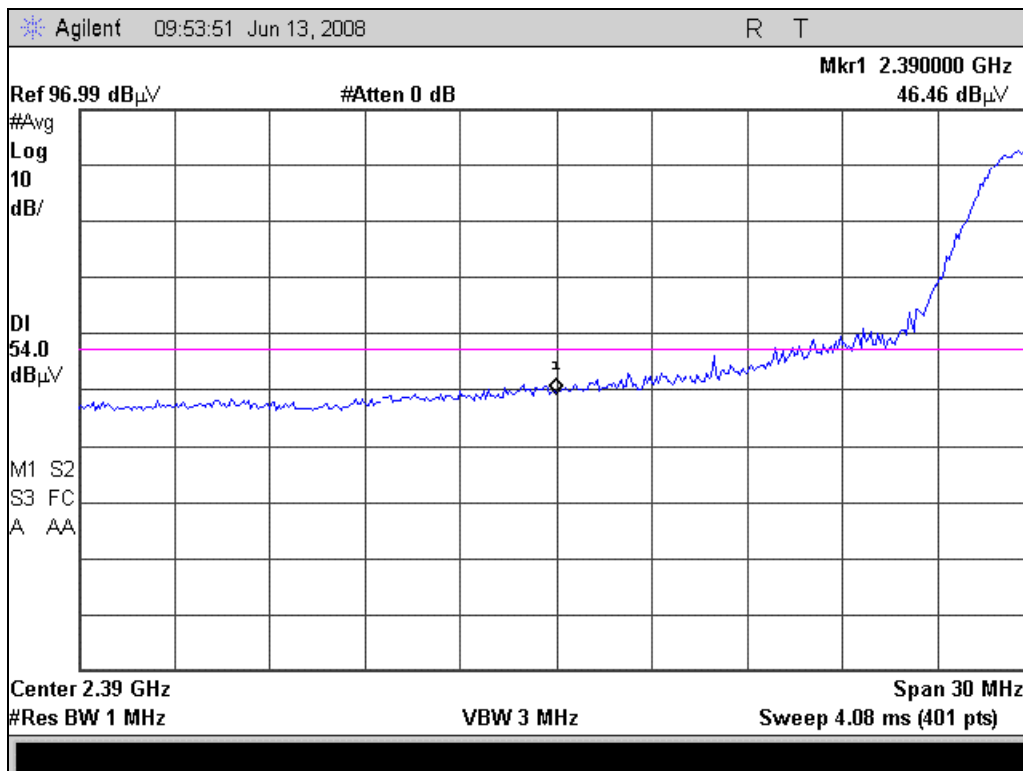
6 MBPs Band Edge 2483.5 MHz



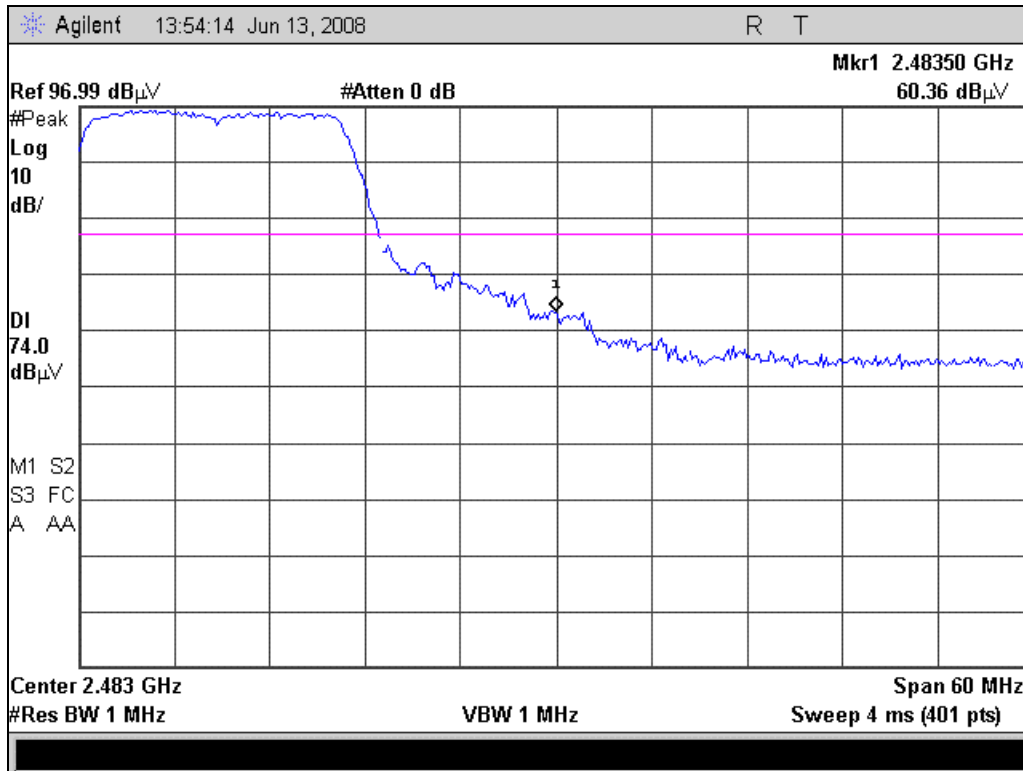
6 MBPs Restricted Band Peak 2390 MHz



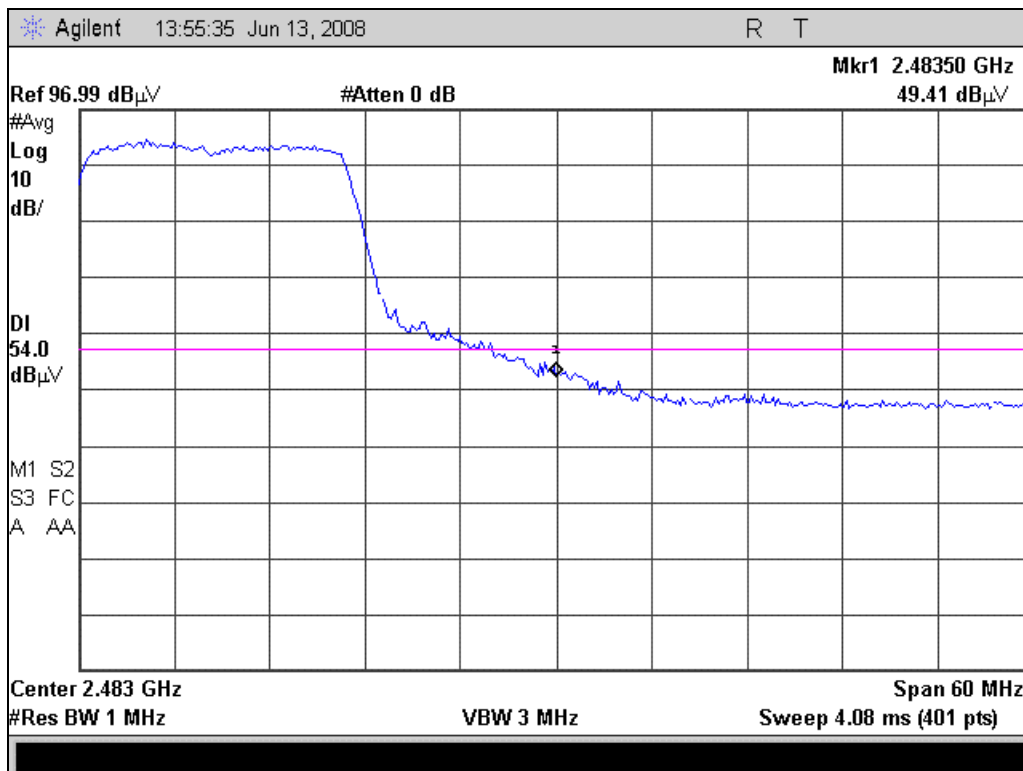
6 MBPs Restricted Band Average 2390 MHz



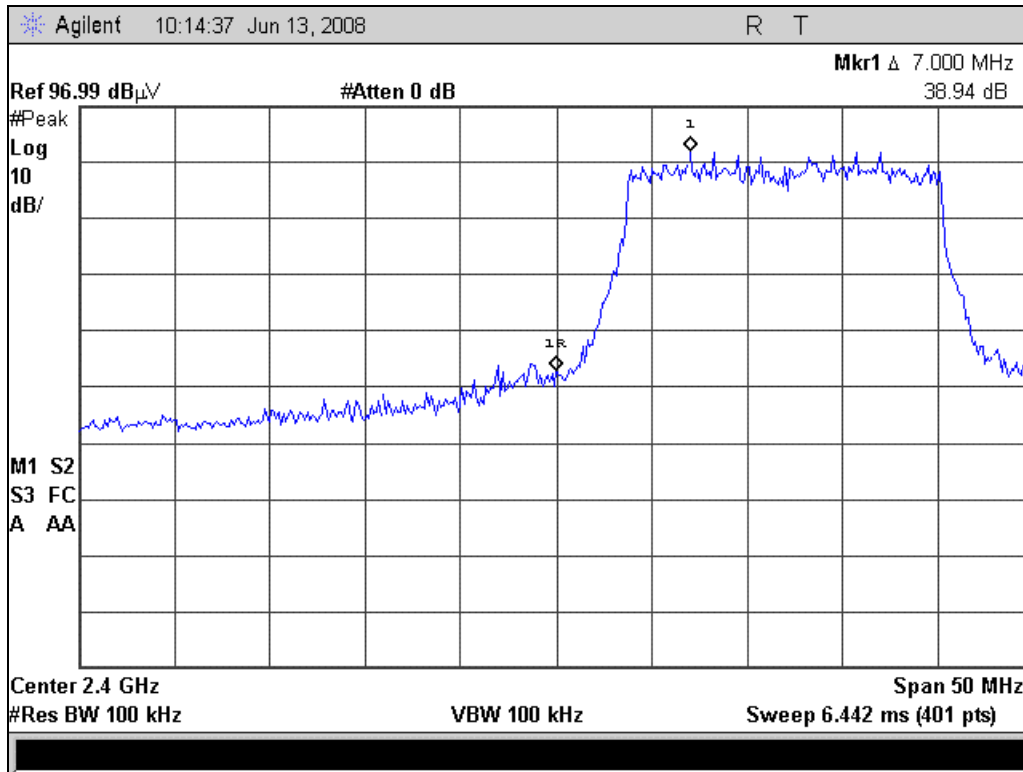
6 MBPs Restricted Band Peak 2483.5 MHz



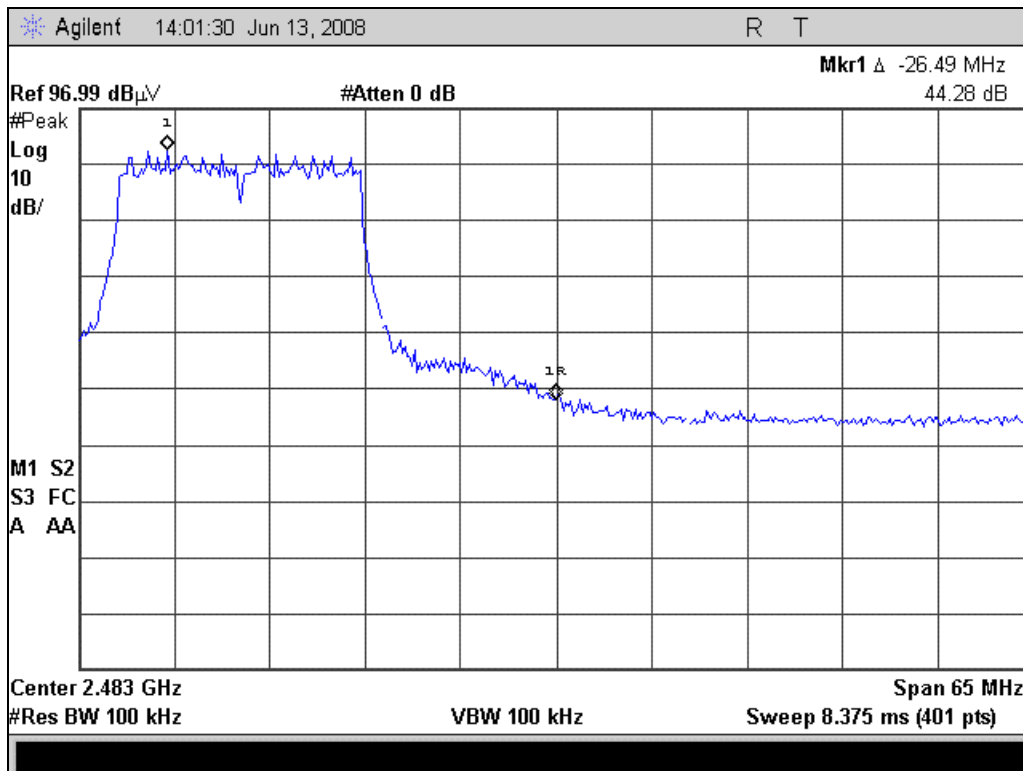
6 MBPs Restricted Band Average 2483.5 MHz



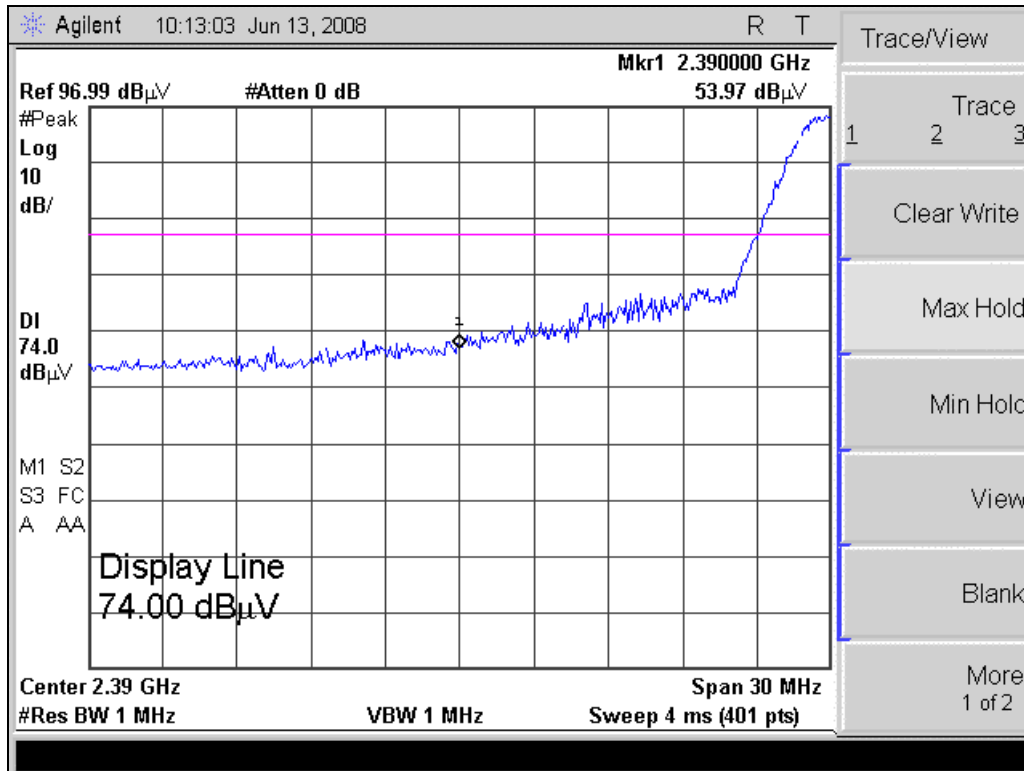
54 MBPs Band Edge 2400 MHz



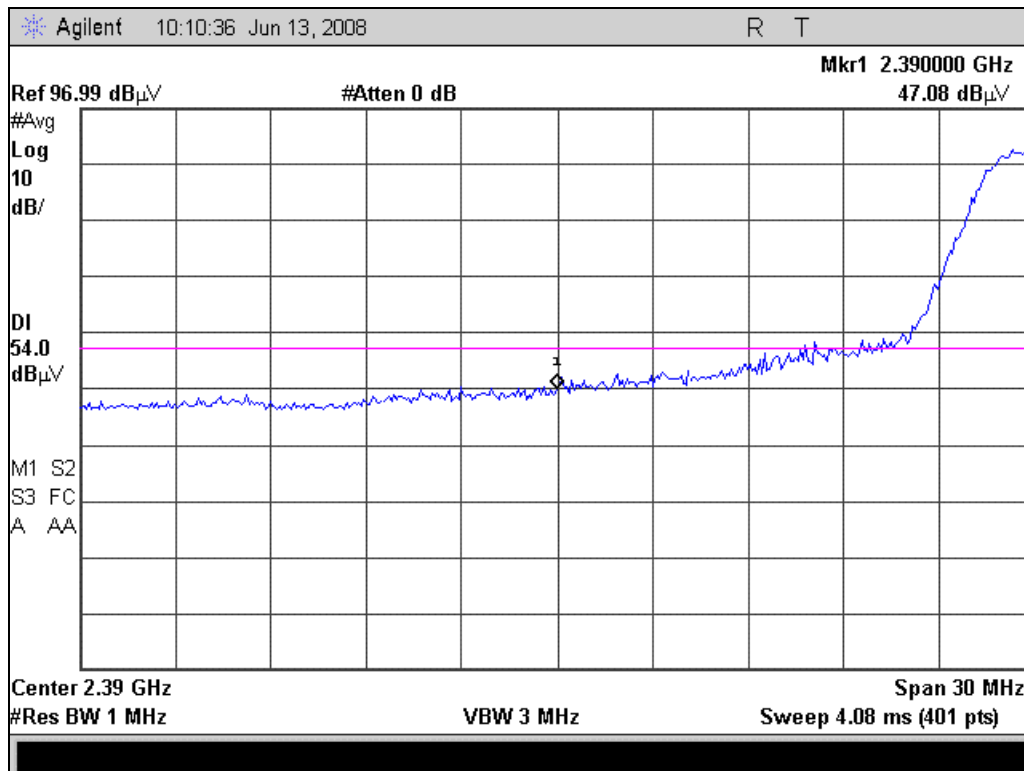
54 MBPs Band Edge 2483.5 MHz



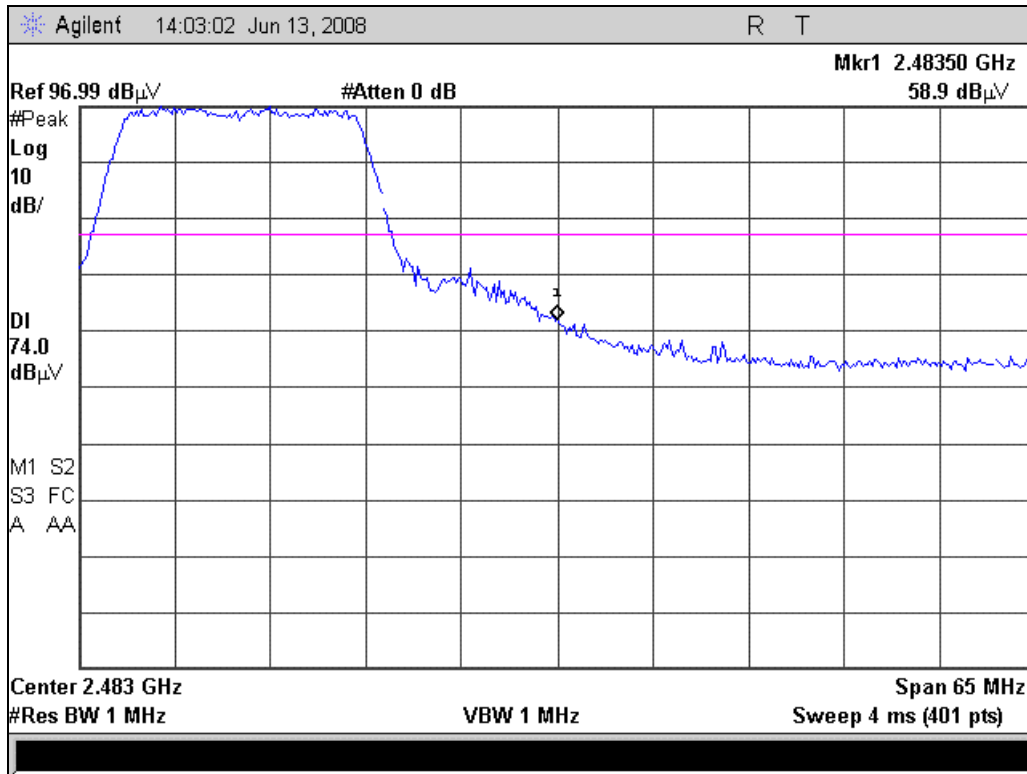
54 MBPs Restricted Band Peak 2390 MHz



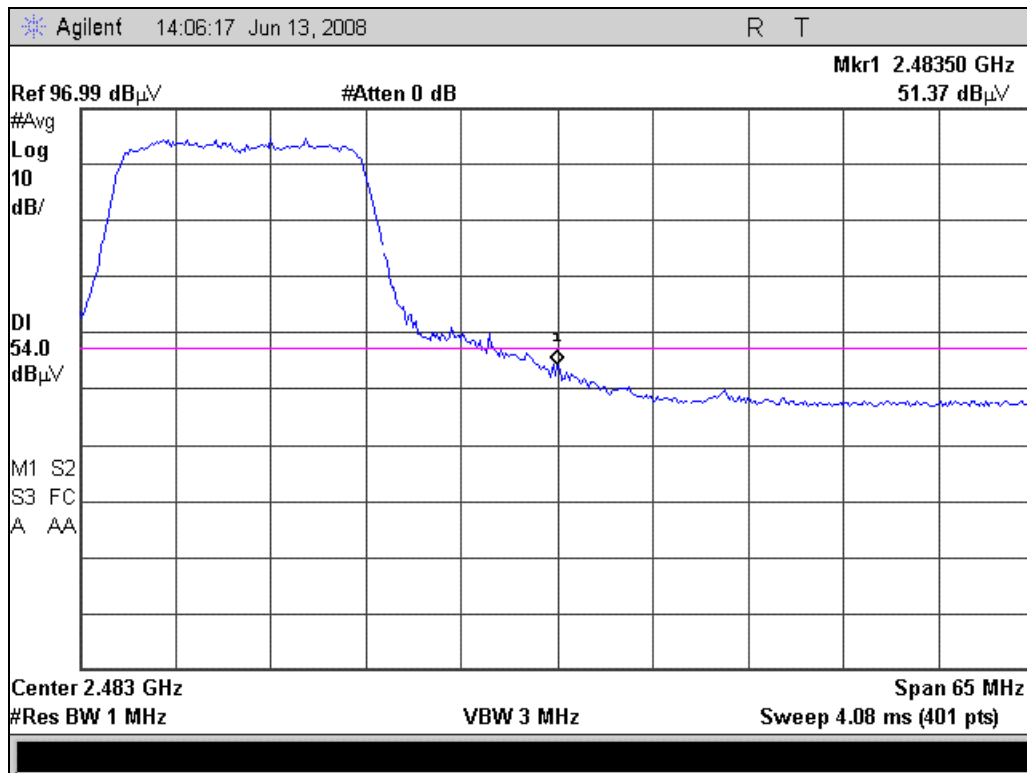
54 MBPs Restricted Band Average 2390 MHz



54 MBPs Restricted Band Peak 2483.5 MHz



54 MBPs Restricted Band Average 2483.5 MHz



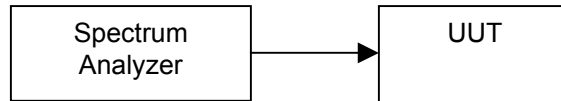
Name of Test: Occupied Bandwidth
Specification: 15.247(a)(2)
Limit: BW ≥ 500 KHz
Test Equipment Utilized i00331

Test Date: 5/23/2008

Test Procedure

The UUT was connected directly to a spectrum analyzer. The Span was set wide enough to capture the entire transmit spectrum and the resolution bandwidth was set to at least 1% of the span. The analyzer was set to max hold and when the entire spectrum was captured the 6dB and 99% bandwidths were measured to verify the bandwidth met the specification.

Test Setup



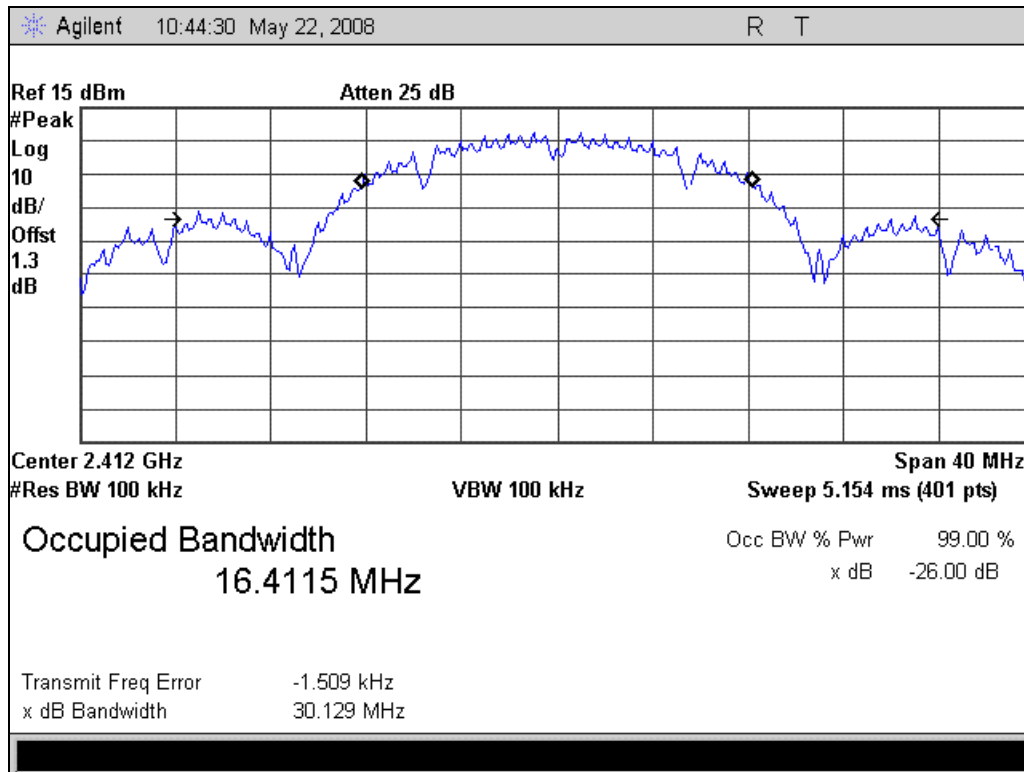
1 MBPs Occupied Bandwidth Summary

Frequency MHz	Recorded Measurement	Specification Limit	Result
2412	16.415 MHz	≥ 500 KHz	Pass
2442	15.750 MHz	≥ 500 KHz	Pass
2462	15.604 MHz	≥ 500 KHz	Pass

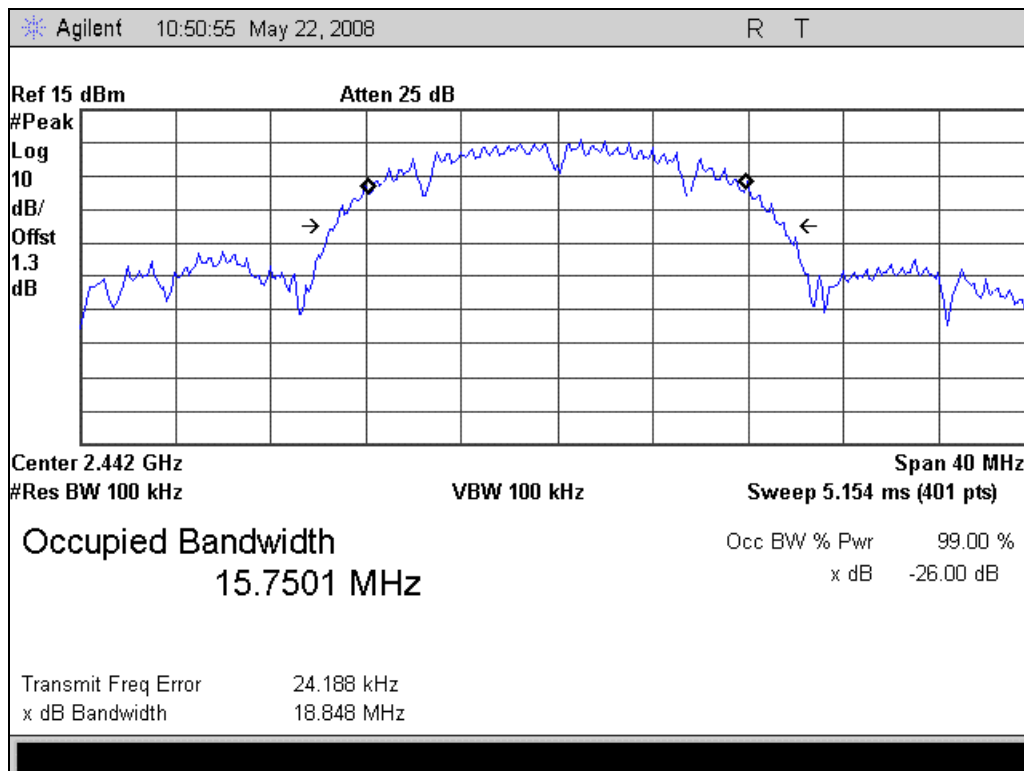
6 MBPs Occupied Bandwidth Summary

Frequency MHz	Recorded Measurement	Specification Limit	Result
2412	16.649 MHz	≥ 500 KHz	Pass
2442	16.472 MHz	≥ 500 KHz	Pass
2462	16.443 MHz	≥ 500 KHz	Pass

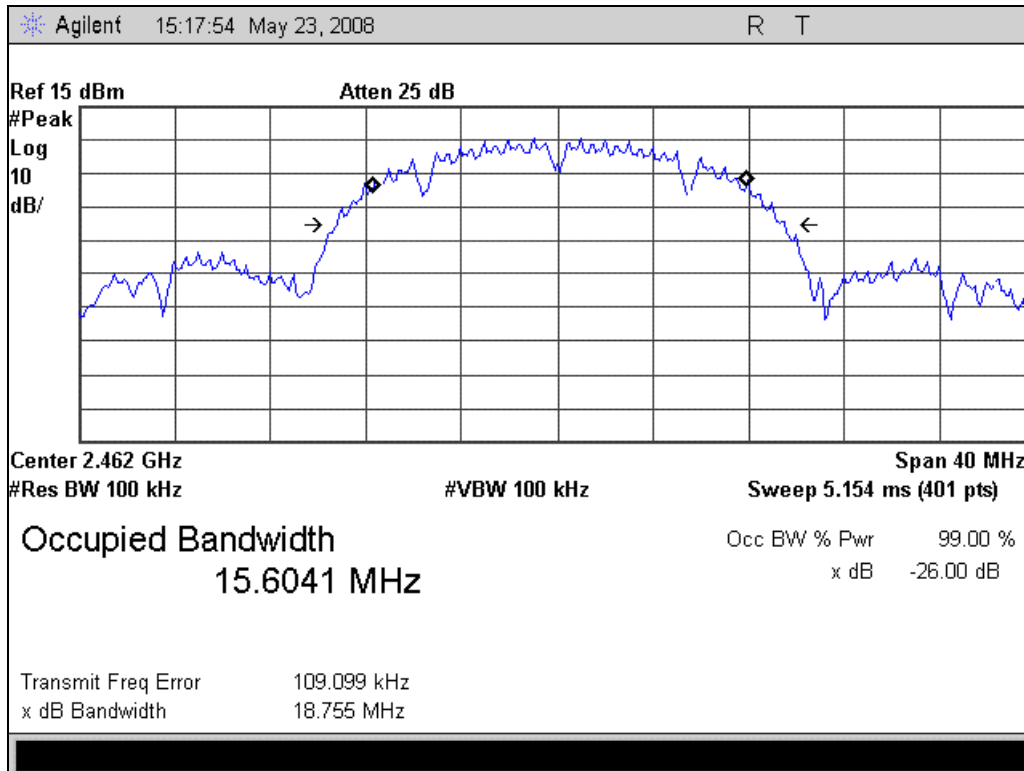
1 MBPs 6dB Bandwidth 2412 MHz



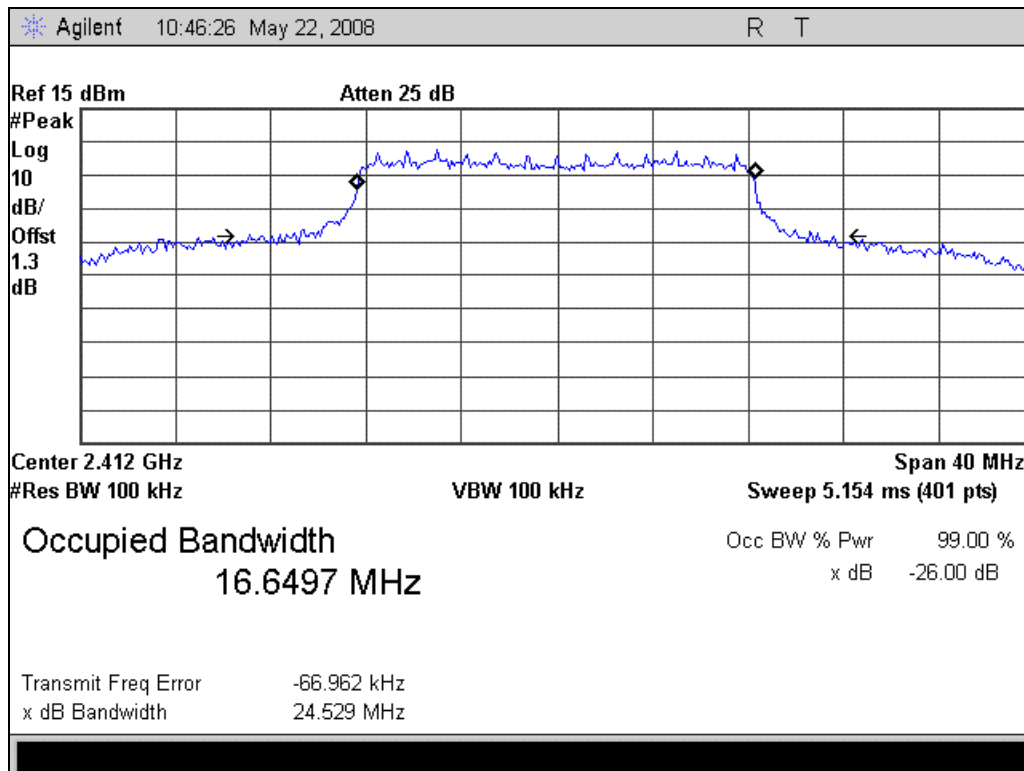
1 MBPs 6dB Bandwidth 2442 MHz



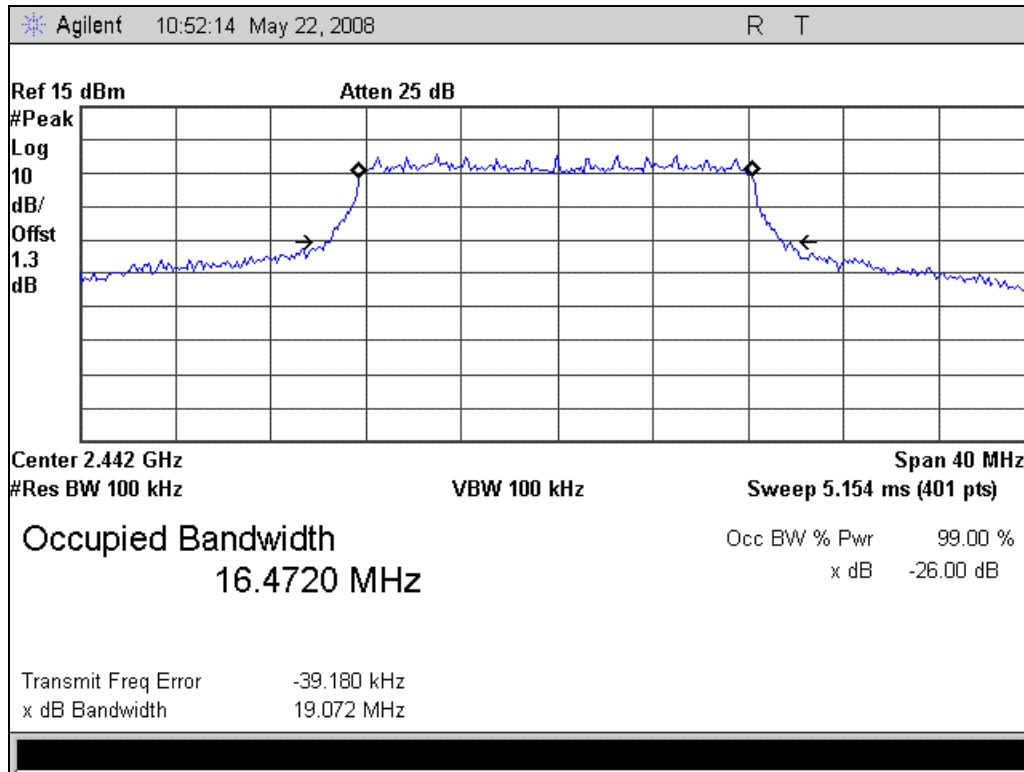
1 MBPs 6dB Bandwidth 2462 MHz



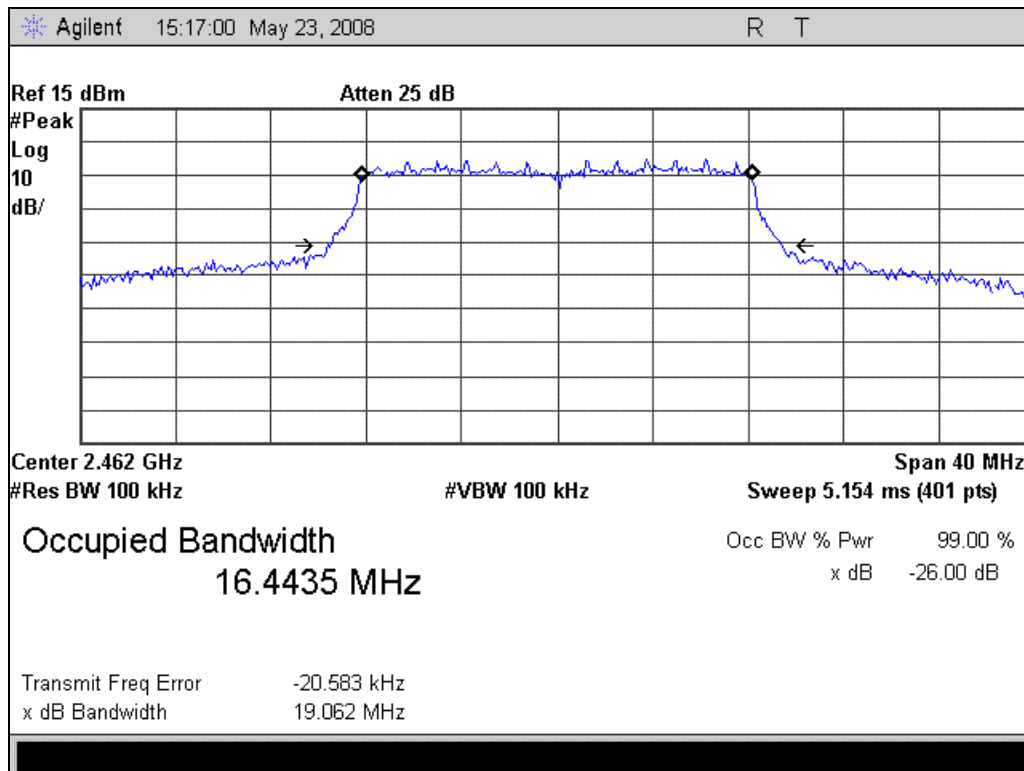
6 MBPs 6dB Bandwidth 2412 MHz



6 MBPs 6dB Bandwidth 2442 MHz



6 MBPs 6dB Bandwidth 2462 MHz

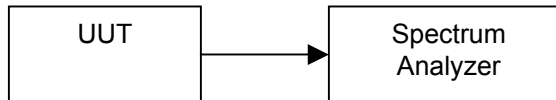


Name of Test: Transmitter Power Spectral Density (PSD)
Specification: 15.247(e)
Limit: 8 dBm in any 3 kHz Bandwidth
Test Equipment Utilized i00331 **Test Date:** 6/12/2008

Test Procedure

The UUT was connected directly to a spectrum analyzer. The Span was set to 1.5 MHz and the resolution bandwidth was set to 3 KHz. The analyzer was set for a sweep time of 500 seconds. When the entire spectrum was captured the marker peak function of the analyzer was utilized to verify the PSD met the specification.

Test Setup



1 MBPs PSD Summary

Frequency MHz	Recorded Measurement	Specification Limit	Result
2412	1.088 dBm	8 dBm	Pass
2442	6.925 dBm	8 dBm	Pass
2462	5.38 dBm	8 dBm	Pass

11 MBPs PSD Summary

Frequency MHz	Recorded Measurement	Specification Limit	Result
2412	5.331 dBm	8 dBm	Pass
2442	-1.244 dBm	8 dBm	Pass
2462	-1.522 dBm	8 dBm	Pass

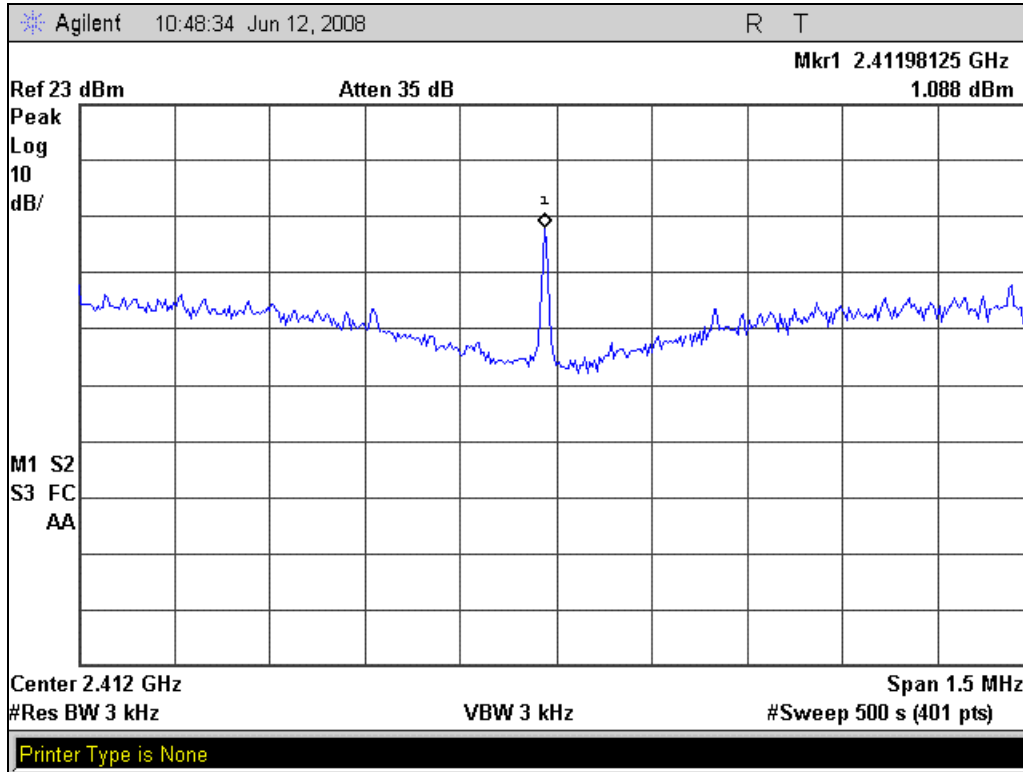
6 MBPs PSD Summary

Frequency MHz	Recorded Measurement	Specification Limit	Result
2412	-2.805 dBm	8 dBm	Pass
2442	-15.48 dBm	8 dBm	Pass
2462	-8.159 dBm	8 dBm	Pass

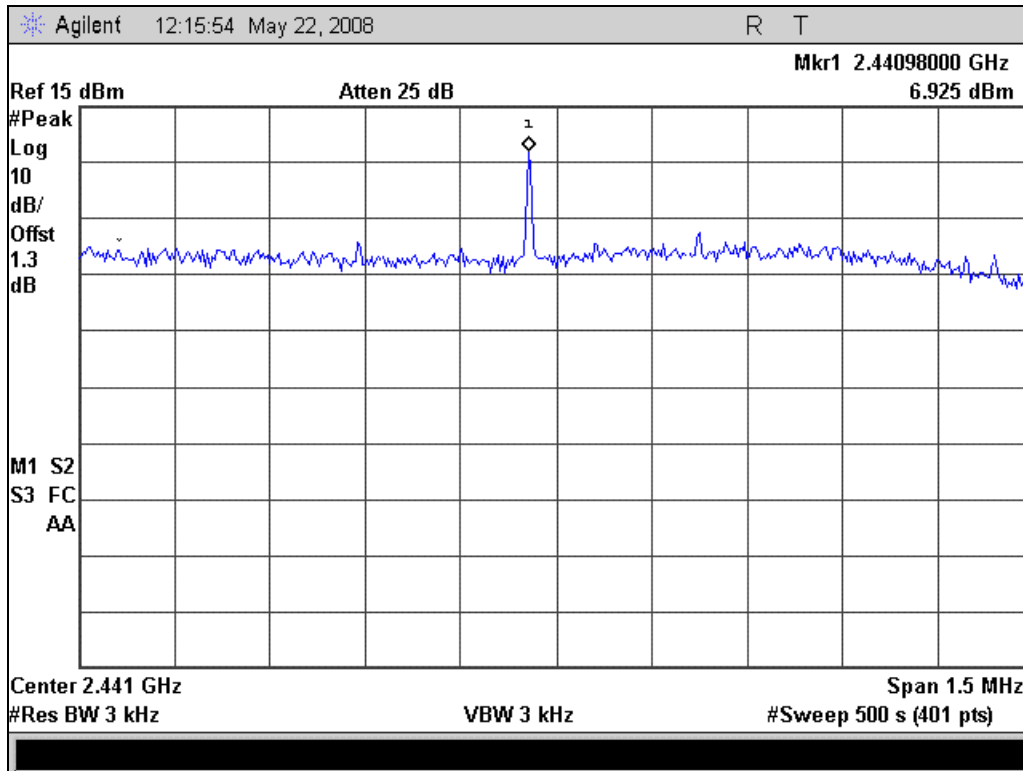
54 MBPs PSD Summary

Frequency MHz	Recorded Measurement	Specification Limit	Result
2412	-8.595 dBm	8 dBm	Pass
2442	-4.184 dBm	8 dBm	Pass
2462	-7.532 dBm	8 dBm	Pass

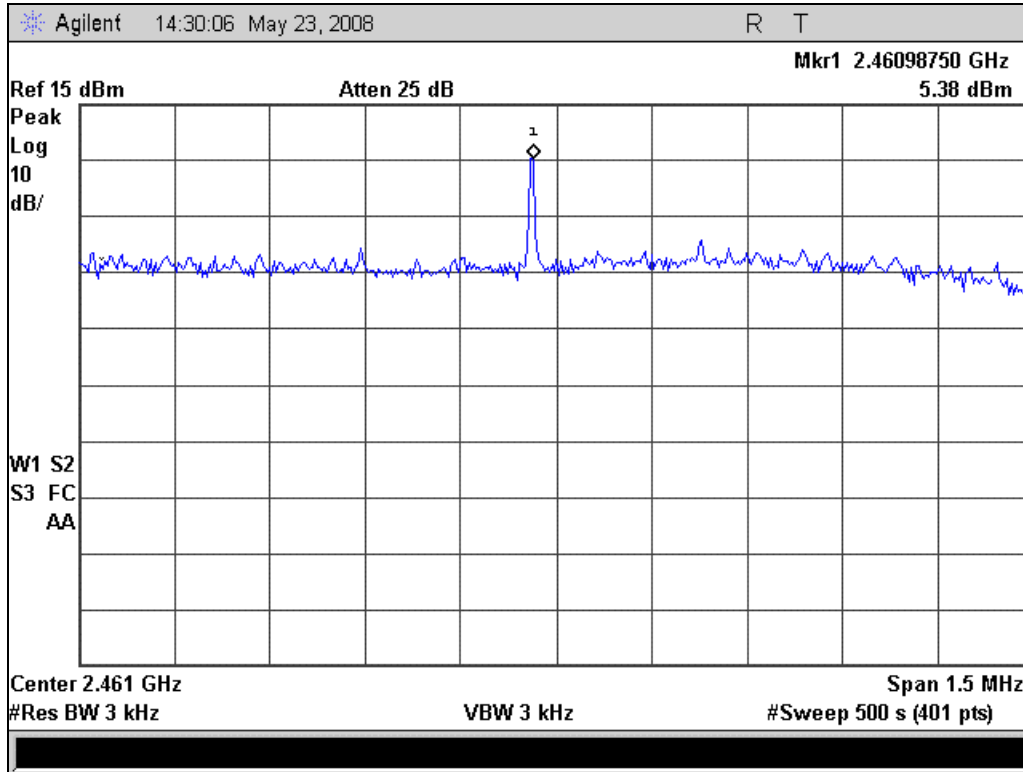
1 MBPs PSD 2412 MHz



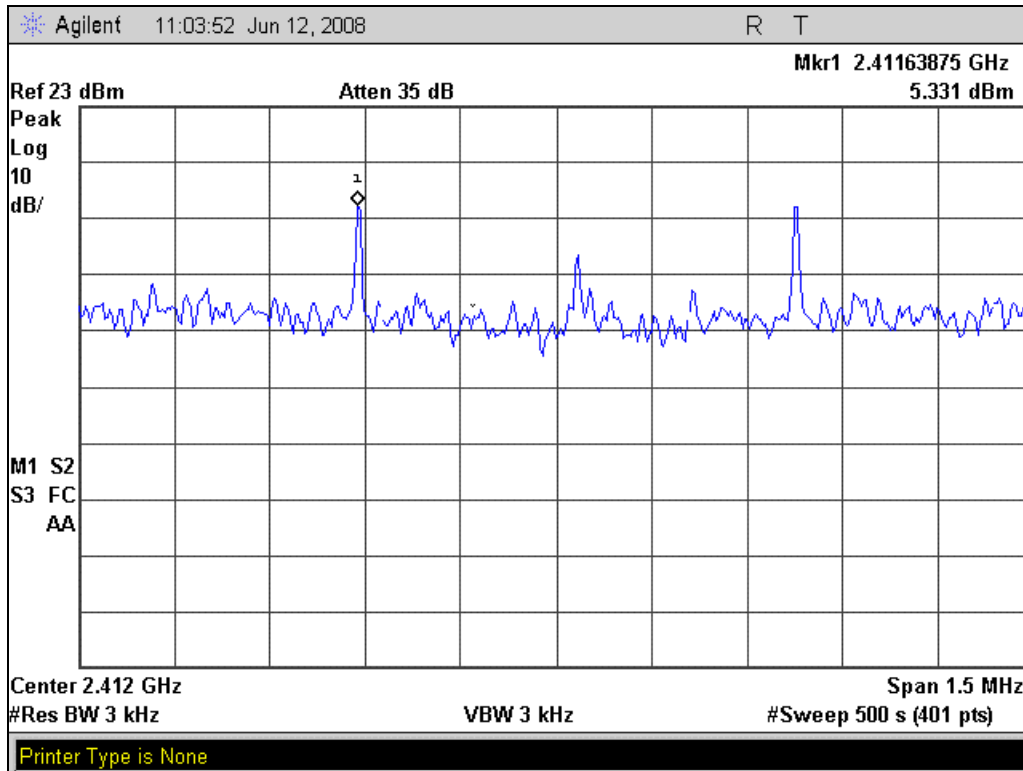
1 MBPs PSD 2442 MHz



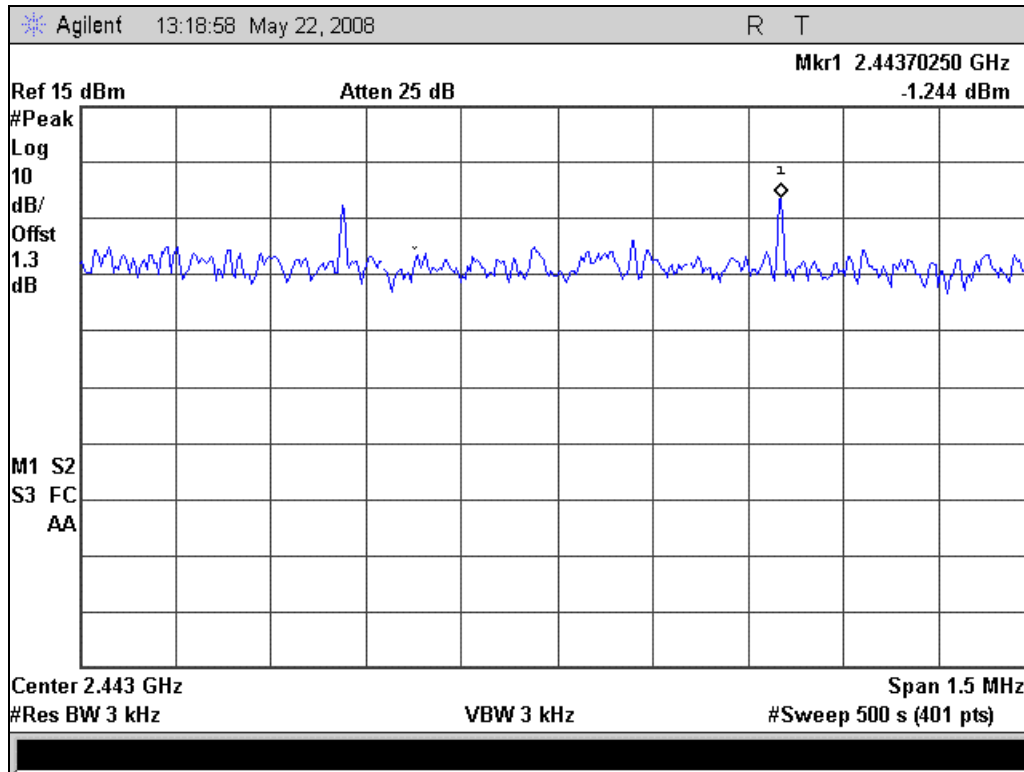
1 MBPs PSD 2462 MHz



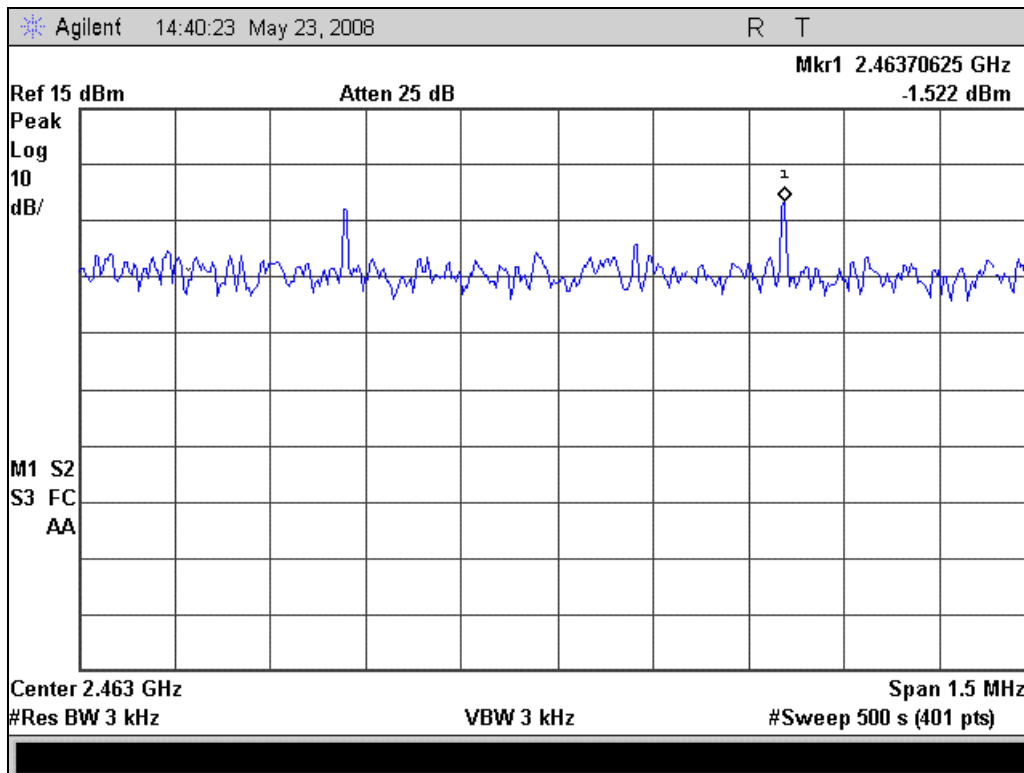
11 MBPs PSD 2412 MHz



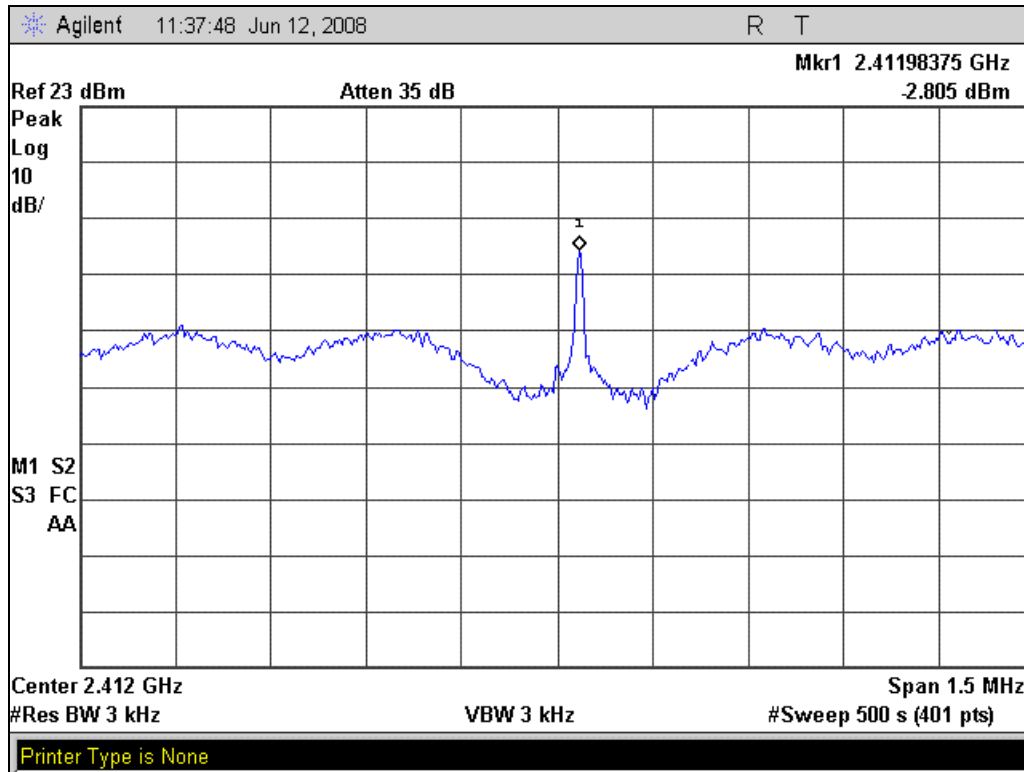
11 MBPs PSD 2442 MHz



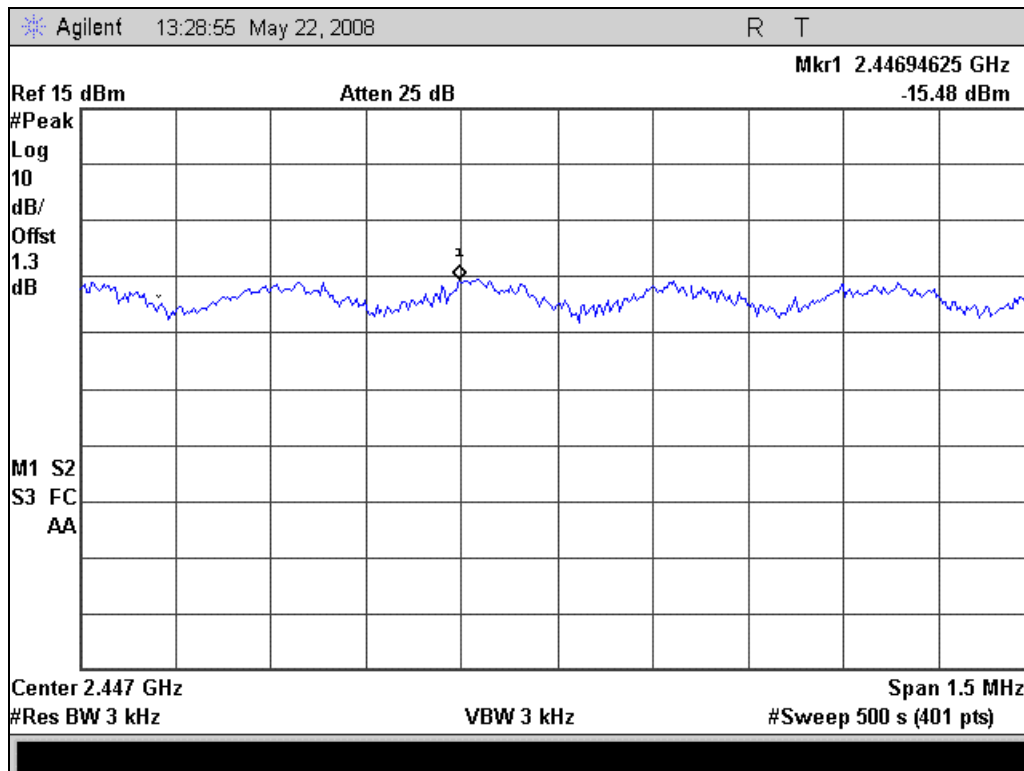
11 MBPs PSD 2462 MHz



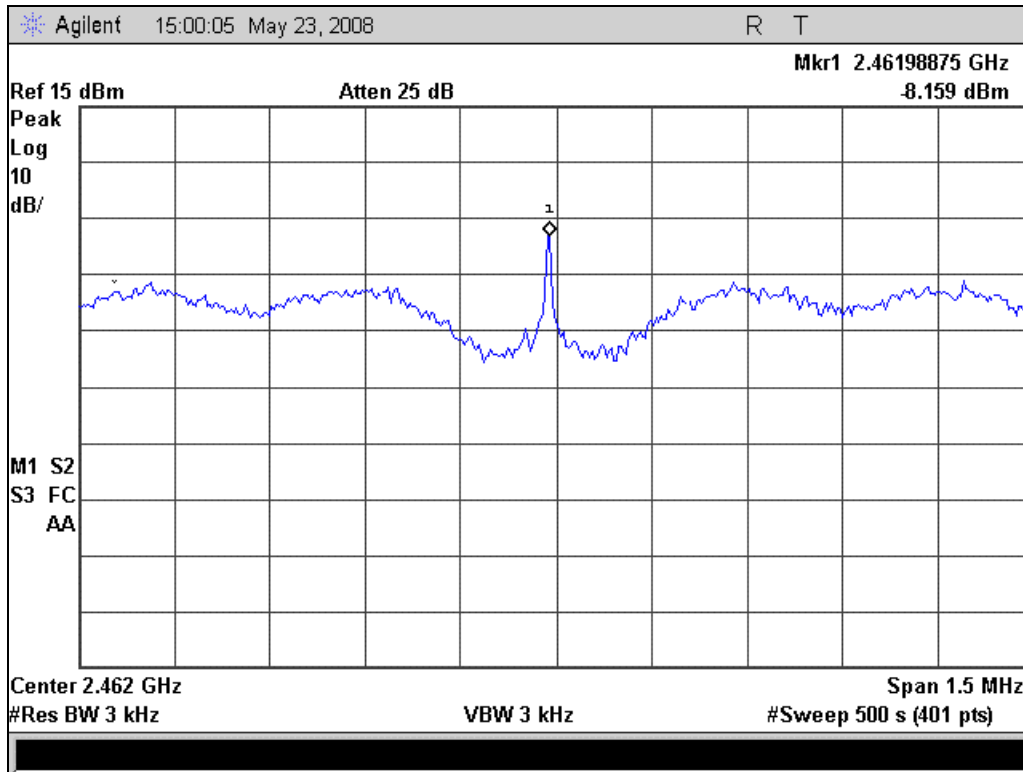
6 MBPs PSD 2412 MHz



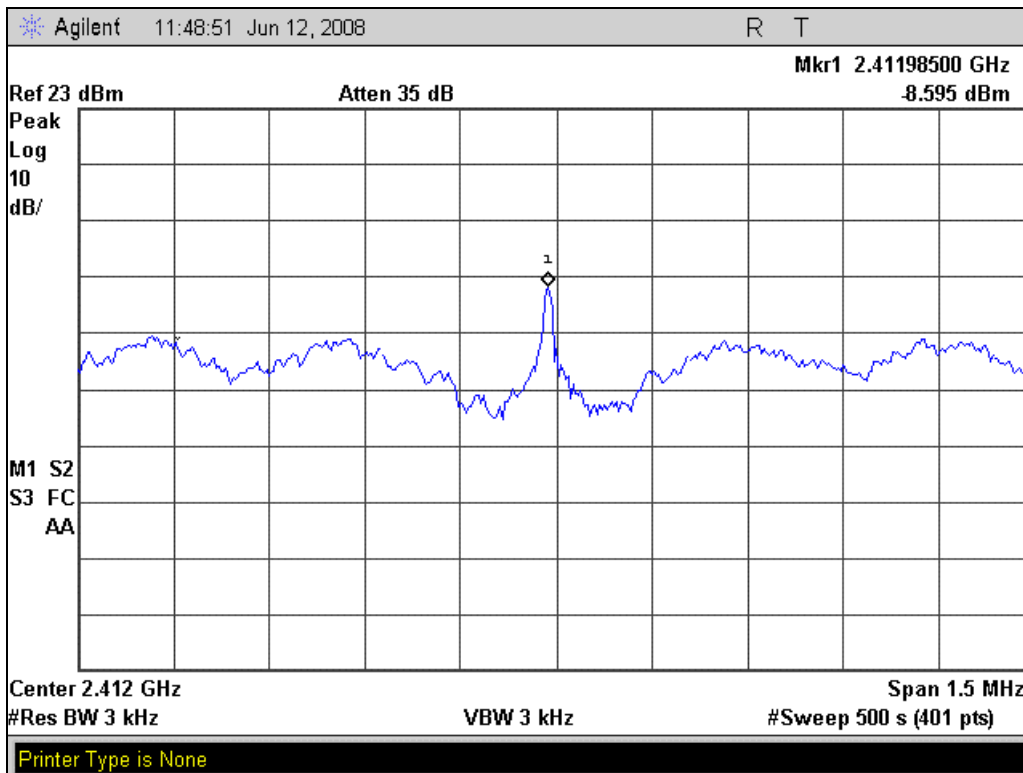
6 MBPs PSD 2442 MHz



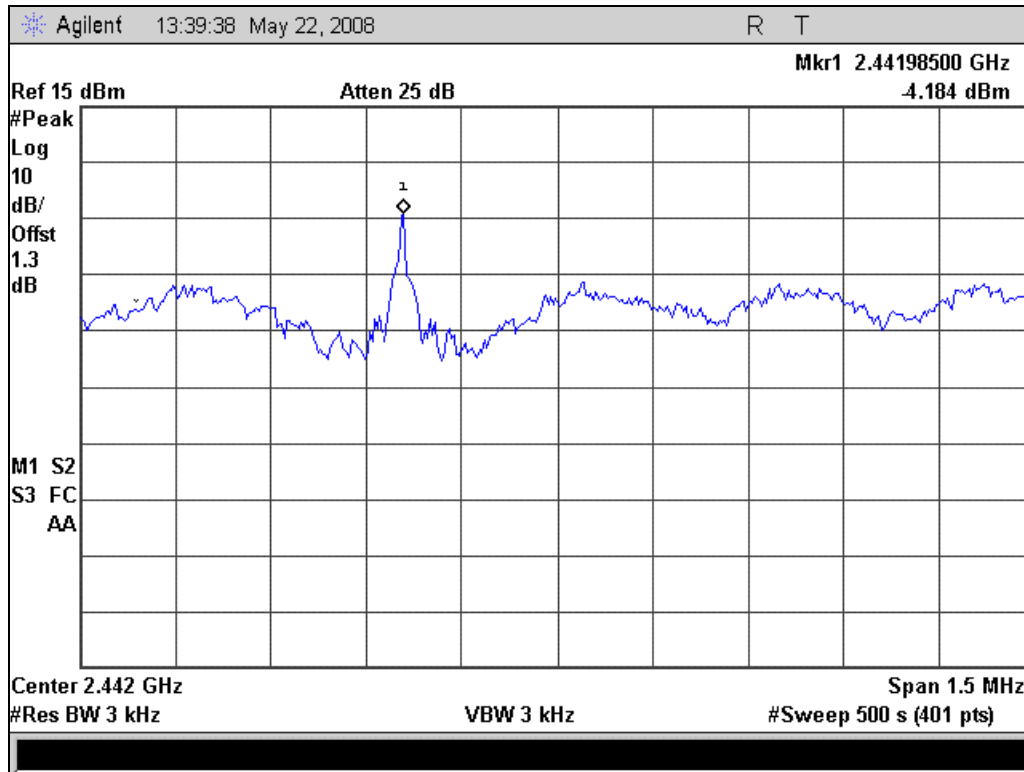
6 MBPs PSD 2462 MHz



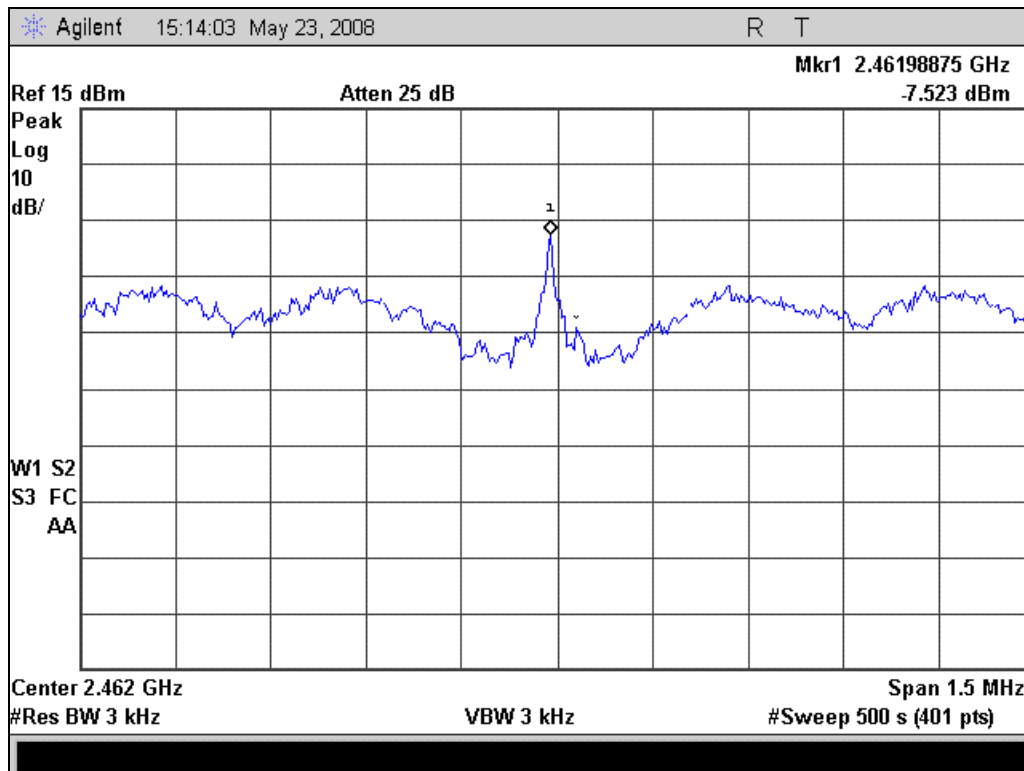
54 MBPs PSD 2412 MHz



54 MBPs PSD 2442 MHz



54 MBPs PSD 2462 MHz



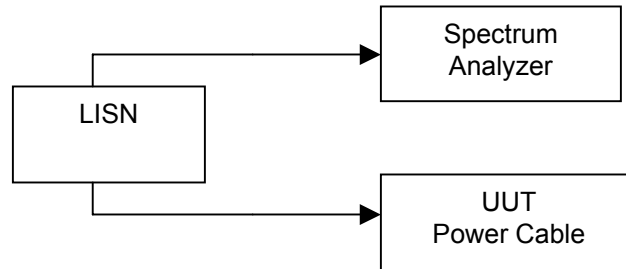
Name of Test: A/C Powerline Conducted Emissions
Specification: 15.207
Test Equipment Utilized i00033, i00270

Test Date: 5/21/2008

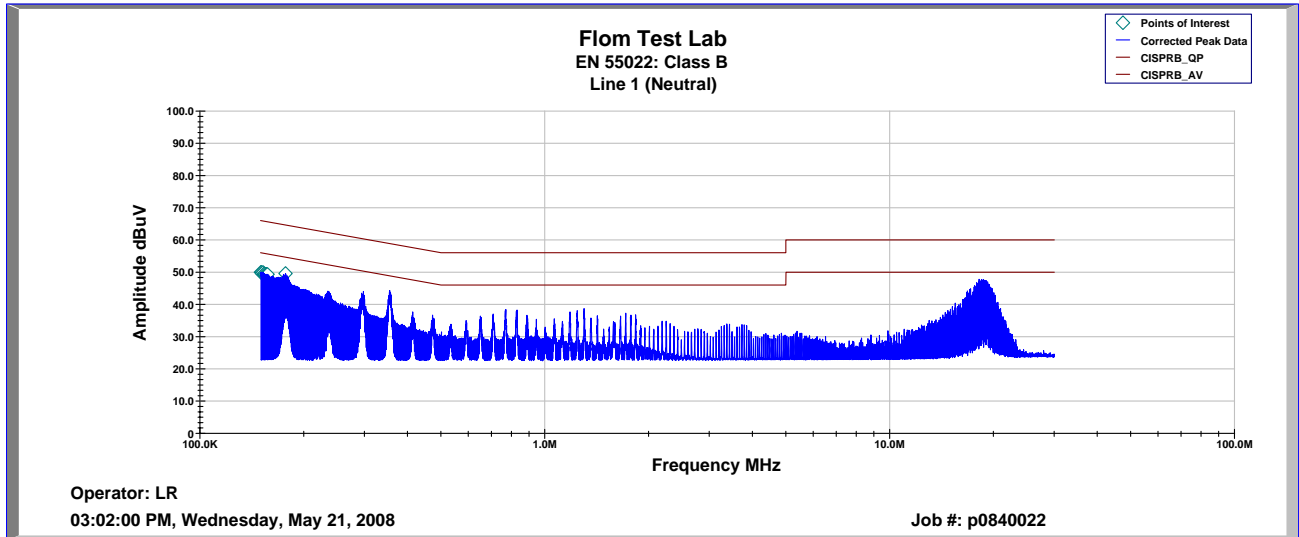
Test Procedure

The UUT power cable connected to a LISN and the monitored output of the LISN was connected directly to a spectrum analyzer. The conducted emissions from 150 kHz to 30 MHz were monitored and compared to the specification limits. The average measurements were the worst-case and are recorded in the tables below.

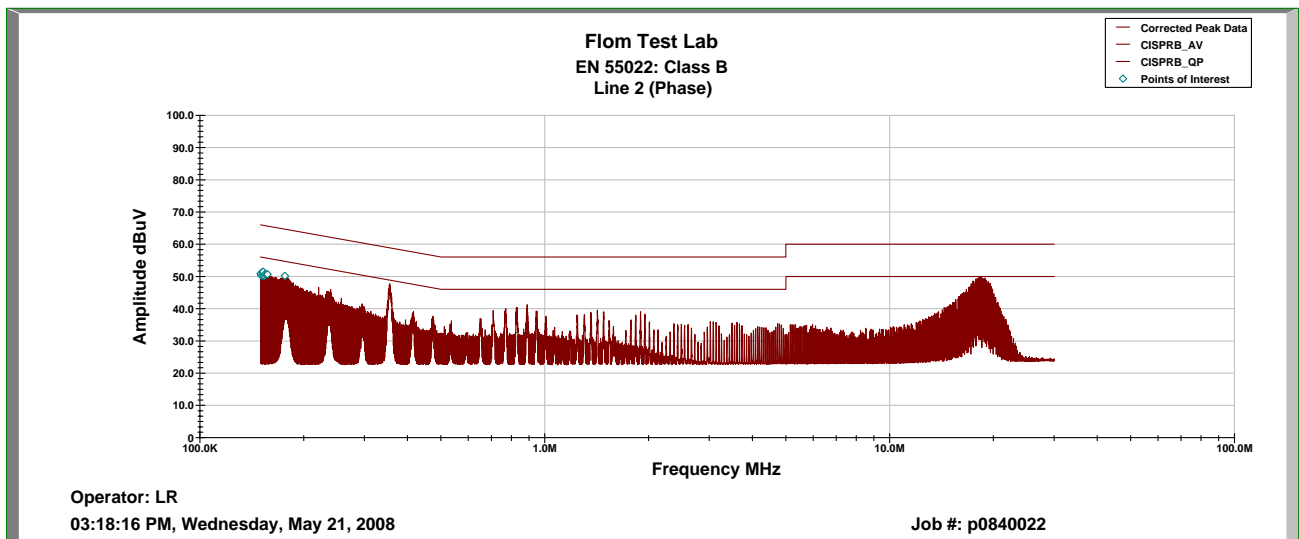
Test Setup



Line 1 Test Results



Line 2 Test Results



All peak emissions are below the average and quasi-peak limits.

Test Equipment Utilized

Description	MFG	Model Number	FTL Asset Number	Last Cal Date	Cal Due Date
Spectrum Analyzer	HP	85462A	i00033	10/01/07	10/01/08
Horn Antenna	EMCO	3115	i00103	9/5/06	9/5/08
Power Meter	HP	E4418B	i00228	9/6/07	9/6/08
LISN	FCC	FCC-LISN-50-32-2-01	i00270	10/22/07	10/22/09
Power sensor	HP	8481A	i00317	9/6/07	9/6/08
Spectrum Analyzer	HP	E4407B	i00331	10/31/07	10/31/08

In addition to the above listed equipment standard RF connectors and cables were utilized in the testing of the described equipment. Prior to testing these components were tested to verify proper operation.

END OF TEST REPORT