

NORTHWEST EMC

ProSoft Technology, Inc.

RLX2-IHNF

RLX2-IHNF-W

RLX2-IHNF-WC

FCC 15.207:2015

FCC 15.247:2015

Report # PROS0222.2 Rev. 01



NVLAP Lab Code: 201049-0

This report must not be used to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the federal government of the United States of America. This Report may only be duplicated in its entirety

CERTIFICATE OF TEST

Last Date of Test: June 24, 2015
ProSoft Technology, Inc.
Model: RLX2-IHNF

Radio Equipment Testing

Standards

Specification	Method
FCC 15.207:2015	ANSI C63.10:2009
FCC 15.247:2015	ANSI C63.10:2009

Results

Method Clause	Test Description	Applied	Results	Comments
6.2	Powerline Conducted Emissions	Yes	Pass	
6.5, 6.6	Spurious Radiated Emissions	Yes	Pass	
6.7	Band Edge Compliance	Yes	Pass	
6.7	Spurious Conducted Emissions	Yes	Pass	
6.9.1	Occupied Bandwidth	Yes	Pass	
6.10.2	Output Power	Yes	Pass	
6.11.2	Power Spectral Density	Yes	Pass	
7.5	Duty Cycle	Yes	N/A	Characterization of radio operation.

Deviations From Test Standards

None

Approved By:



Jeremiah Darden, Operations Manager

Product compliance is the responsibility of the client; therefore, the tests and equipment modes of operation represented in this report were agreed upon by the client, prior to testing. The results of this test pertain only to the sample(s) tested. The specific description is noted in each of the individual sections of the test report supporting this certificate of test. This report reflects only those tests from the referenced standards shown in the certificate of test. It does not include inspection or verification of labels, identification, marking or user information.

REVISION HISTORY

Revision Number	Description	Date	Page Number
01	Updated model from RLX2-IHNF-Wxx to RLX2-IHNF-WC	10/13/2015	1, 7
01	Updated Power Spectral Density datasheets to reflect current process	10/13/2015	Various

ACCREDITATIONS AND AUTHORIZATIONS

United States

FCC - Designated by the FCC as a Telecommunications Certification Body (TCB). Certification chambers, Open Area Test Sites, and conducted measurement facilities are listed with the FCC.

A2LA - Accredited by A2LA to ISO / IEC 17065 as a product certifier. This allows Northwest EMC to certify transmitters to FCC and IC specifications.

NVLAP - Each laboratory is accredited by NVLAP to ISO 17025

Canada

IC - Recognized by Industry Canada as a Certification Body (CB). Certification chambers and Open Area Test Sites are filed with IC.

European Union

European Commission – Validated by the European Commission as a Conformity Assessment Body (CAB) under the EMC directive and as a Notified Body under the R&TTE Directive.

Australia/New Zealand

ACMA - Recognized by ACMA as a CAB for the acceptance of test data.

Korea

MSIP / RRA - Recognized by KCC's RRA as a CAB for the acceptance of test data.

Japan

VCCI - Associate Member of the VCCI. Conducted and radiated measurement facilities are registered.

Taiwan

BSMI – Recognized by BSMI as a CAB for the acceptance of test data.

NCC - Recognized by NCC as a CAB for the acceptance of test data.

Singapore

IDA – Recognized by IDA as a CAB for the acceptance of test data.

Israel

MOC – Recognized by MOC as a CAB for the acceptance of test data.

Hong Kong

OFCA – Recognized by OFCA as a CAB for the acceptance of test data.

Vietnam

MIC – Recognized by MIC as a CAB for the acceptance of test data.

SCOPE

For details on the Scopes of our Accreditations, please visit:

<http://www.nwemc.com/accreditations/>
<http://gsi.nist.gov/global/docs/cabs/designations.html>

MEASUREMENT UNCERTAINTY

Measurement Uncertainty

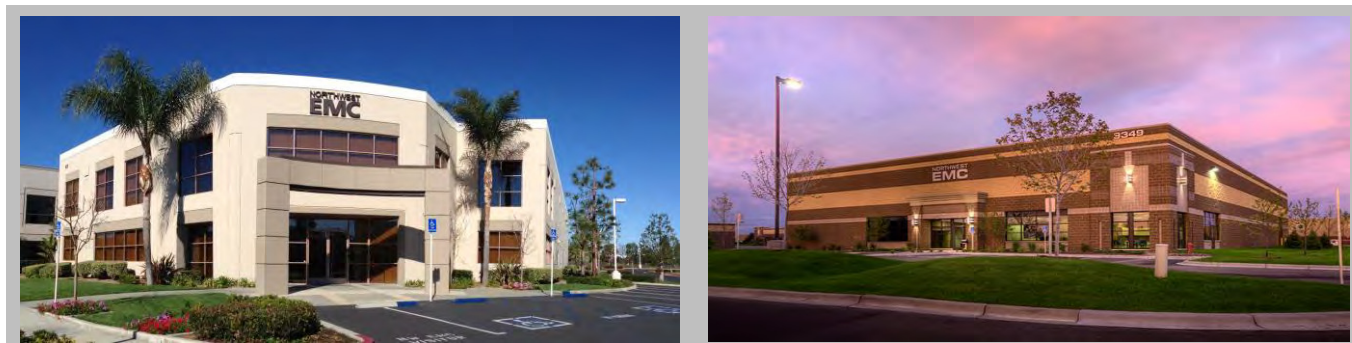
When a measurement is made, the result will be different from the true or theoretically correct value. The difference is the result of tolerances in the measurement system that cannot be completely eliminated. To the extent that technology allows us, it has been our aim to minimize this error. Measurement uncertainty is a statistical expression of measurement error qualified by a probability distribution.

A measurement uncertainty estimation has been performed for each test per our internal quality document WP 342. The estimation is used to compare the measured result with its "true" or theoretically correct value. The expanded measurement uncertainty (K=2) for each test is on each data sheet. Our measurement data meets or exceeds the measurement uncertainty requirements of the applicable specification; therefore, the test data can be compared directly to the specification limit to determine compliance. The calculations for estimating measurement uncertainty are based upon ETSI TR 100 028 (or CISPR 16-4-2 as applicable), and are available upon request.

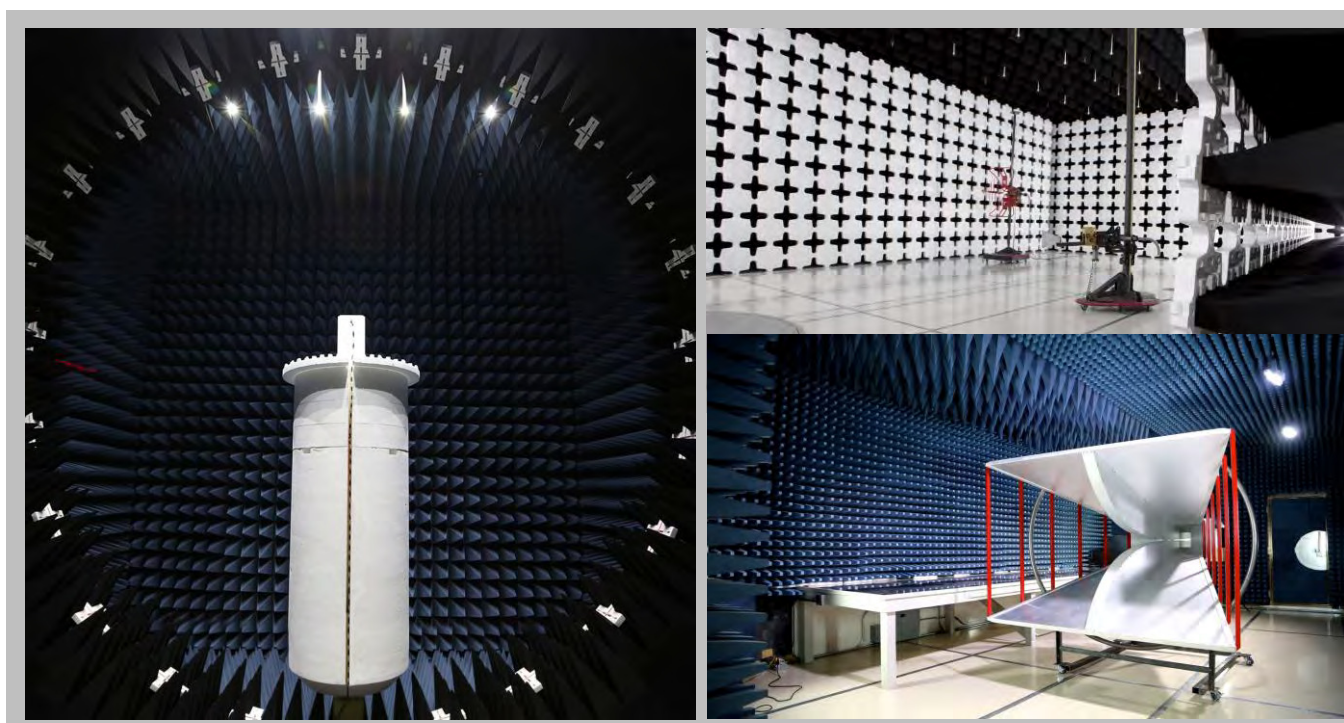
The following table represents the Measurement Uncertainty (MU) budgets for each of the tests that may be contained in this report.

Test	+ MU	- MU
Frequency Accuracy (Hz)	0.0007%	-0.0007%
Amplitude Accuracy (dB)	1.2 dB	-1.2 dB
Conducted Power (dB)	0.3 dB	-0.3 dB
Radiated Power via Substitution (dB)	0.7 dB	-0.7 dB
Temperature (degrees C)	0.7°C	-0.7°C
Humidity (% RH)	2.5% RH	-2.5% RH
Voltage (AC)	1.0%	-1.0%
Voltage (DC)	0.7%	-0.7%
Field Strength (dB)	4.7 dB	-4.7 dB
AC Powerline Conducted Emissions (dB)	2.9 dB	-2.9 dB

FACILITIES



California Labs OC01-13 41 Tesla Irvine, CA 92618 (949) 861-8918	Minnesota Labs MN01-08, MN10 9349 W Broadway Ave. Brooklyn Park, MN 55445 (612)-638-5136	New York Labs NY01-04 4939 Jordan Rd. Elbridge, NY 13060 (315) 554-8214	Oregon Labs EV01-12 22975 NW Evergreen Pkwy Hillsboro, OR 97124 (503) 844-4066	Texas Labs TX01-09 3801 E Plano Pkwy Plano, TX 75074 (469) 304-5255	Washington Labs NC01-05 19201 120 th Ave NE Bothell, WA 9801 (425)984-6600
NVLAP					
NVLAP Lab Code: 200676-0	NVLAP Lab Code: 200881-0	NVLAP Lab Code: 200761-0	NVLAP Lab Code: 200630-0	NVLAP Lab Code:201049-0	NVLAP Lab Code: 200629-0
Industry Canada					
2834B-1, 2834B-3	2834E-1	N/A	2834D-1, 2834D-2	2834G-1	2834F-1
BSMI					
SL2-IN-E-1154R	SL2-IN-E-1152R	N/A	SL2-IN-E-1017	SL2-IN-E-1158R	SL2-IN-E-1153R
VCCI					
A-0029	A-0109	N/A	A-0108	A-0201	A-0110
Recognized Phase I CAB for ACMA, BSMI, IDA, KCC/RRR, MIC, MOC, NCC, OFCA					
US0158	US0175	N/A	US0017	US0191	US0157



PRODUCT DESCRIPTION

Client and Equipment Under Test (EUT) Information

Company Name:	ProSoft Technology, Inc.
Address:	5201 Truxtun Ave., 3rd Floor
City, State, Zip:	Bakersfield, CA 93309
Test Requested By:	Frank Hardy
Model:	RLX2-IHNF
First Date of Test:	May 21, 2015
Last Date of Test:	June 24, 2015
Receipt Date of Samples:	May 21, 2015
Equipment Design Stage:	Production
Equipment Condition:	No Damage

Information Provided by the Party Requesting the Test

Functional Description of the EUT:

802.11 abgn, 2x2 MIMO radio module with one antenna type.

RLX2-IHNF, RLX2-IHNF-W and RLX2-IHNF-WC use the same radio. The outer enclosure on RLX2-IHNF is different from RLX2-IHNF-W and RLX2-IHNF-WC. The power termination on RLX2-IHNF-W and RLX2-IHNF-Wxx are different from one another. The RLX2-IHNF-W has a M12 termination; while RLX2-IHNF-WC has a conduit termination.

Testing Objective:

To demonstrate compliance of the 802.11 radio under FCC 15.247 for operation in the 2.4 GHz band.

CONFIGURATIONS

Configuration PROS0222- 1

Software/Firmware Running during test	
Description	Version
RadioLinx Industrial Hotspot Browser	7.1.2.3

EUT			
Description	Manufacturer	Model/Part Number	Serial Number
802.11abgn Fast Industrial Hotspot	ProSoft Technology, Inc.	RLX2-IHNF	000D8DF095CF
AC/DC Power Supply	GME	GFP241DA-1217B-1	1112-0001887

Peripherals in test setup boundary			
Description	Manufacturer	Model/Part Number	Serial Number
Host Laptop	Lenovo	2738-CTO	L3-C2189 09/02
Host Laptop Power Supply	Lenovo	42T5276	11S42T5276Z1ZD8V8BC1BS
USB Mouse	AST	None	None
2 dBi Omni-Directional Stub Antenna (2 ea)	Generic	A2502S-OA	None

Cables					
Cable Type	Shield	Length (m)	Ferrite	Connection 1	Connection 2
DC Cable	No	1.3m	No	802.11abgn Fast Industrial Hotspot	AC/DC Power Supply
Ethernet Cable	No	4.27m	No	802.11abgn Fast Industrial Hotspot	Host Laptop
AC Cable	No	0.2m	No	AC Mains	Host Laptop Power Supply
DC Cable	No	1.5m	Yes	Host Laptop	Host Laptop Power Supply

CONFIGURATIONS

Configuration PROS0222- 2

Software/Firmware Running during test	
Description	Version
RadioLinx Industrial Hotspot Browser	7.1.2.3

EUT			
Description	Manufacturer	Model/Part Number	Serial Number
802.11abgn Fast Industrial Hotspot	ProSoft Technology, Inc.	RLX2-IHNF	000D8DF095CF
AC/DC Power Supply	GME	GFP241DA-1217B-1	1112-0001887
2 dBi Omni-Directional Stub Antenna (3 ea)	Generic	A2502S-OA	None

Peripherals in test setup boundary			
Description	Manufacturer	Model/Part Number	Serial Number
Host Laptop	Lenovo	2738-CTO	L3-C2189 09/02
Host Laptop Power Supply	Lenovo	42T5276	11S42T5276Z1ZD8V8BC1BS
USB Mouse	AST	None	None

Cables					
Cable Type	Shield	Length (m)	Ferrite	Connection 1	Connection 2
DC Cable	No	1.3m	No	802.11abgn Fast Industrial Hotspot	AC/DC Power Supply
Ethernet Cable	No	4.27m	No	802.11abgn Fast Industrial Hotspot	Host Laptop
AC Cable	No	0.2m	No	AC Mains	Host Laptop Power Supply
DC Cable	No	1.5m	Yes	Host Laptop	Host Laptop Power Supply
Serial to USB Cable	Yes	2m	No	802.11abgn Fast Industrial Hotspot	Host Laptop

CONFIGURATIONS

Configuration PROS0222- 3

Software/Firmware Running during test					
Description				Version	
RadioLinx Industrial Hotspot Browser				7.1.2.3	

EUT			
Description	Manufacturer	Model/Part Number	Serial Number
802.11abgn Fast Industrial Hotspot	ProSoft Technology, Inc.	RLX2-IHNF	000D8DF095CF
AC/DC Power Supply	GME	GFP241DA-1217B-1	1112-0001887
2 dBi Omni-Directional Stub Antenna (3 ea)	Generic	A2502S-OA	None

Peripherals in test setup boundary			
Description	Manufacturer	Model/Part Number	Serial Number
Host Laptop	Lenovo	2738-CTO	L3-C2189 09/02
Host Laptop Power Supply	Lenovo	42T5276	11S42T5276Z1ZD8V8BC1BS
USB Mouse	AST	None	None

Cables					
Cable Type	Shield	Length (m)	Ferrite	Connection 1	Connection 2
DC Cable	No	1.3m	No	802.11abgn Fast Industrial Hotspot	AC/DC Power Supply
Ethernet Cable	No	4.27m	No	802.11abgn Fast Industrial Hotspot	Host Laptop
AC Cable	No	0.2m	No	AC Mains	Host Laptop Power Supply
DC Cable	No	1.5m	Yes	Host Laptop	Host Laptop Power Supply
Serial to USB Cable	Yes	2m	No	802.11abgn Fast Industrial Hotspot	Host Laptop

MODIFICATIONS

Equipment Modifications

Item	Date	Test	Modification	Note	Disposition of EUT
1	5/21/2015	Output Power	Tested as delivered to Test Station.	No EMI suppression devices were added or modified during this test.	EUT remained at Northwest EMC following the test.
2	5/22/2015	Occupied Bandwidth	Tested as delivered to Test Station.	No EMI suppression devices were added or modified during this test.	EUT remained at Northwest EMC following the test.
3	5/22/2015	Power Spectral Density	Tested as delivered to Test Station.	No EMI suppression devices were added or modified during this test.	EUT remained at Northwest EMC following the test.
4	5/22/2015	Spurious Conducted Emissions	Tested as delivered to Test Station.	No EMI suppression devices were added or modified during this test.	EUT remained at Northwest EMC following the test.
5	5/22/2015	Powerline Conducted Emissions	Tested as delivered to Test Station.	No EMI suppression devices were added or modified during this test.	EUT remained at Northwest EMC following the test.
6	5/27/2015	Spurious Radiated Emissions	Tested as delivered to Test Station.	No EMI suppression devices were added or modified during this test.	EUT remained at Northwest EMC following the test.
7	6/24/2015	Band Edge Compliance	Tested as delivered to Test Station.	No EMI suppression devices were added or modified during this test.	Scheduled testing was completed.

AC POWERLINE CONDUCTED EMISSIONS

TEST DESCRIPTION

The EUT will be powered either directly or indirectly from the AC power line. Therefore, conducted emissions measurements were made on the AC input of the EUT, or on the AC input of the device used to power the EUT. The AC power line conducted emissions were measured with the EUT operating at the lowest, the highest, and a middle channel in the operational band. The EUT was transmitting at the data rate listed in the data sheets. For each mode, the spectrum was scanned from 150 kHz to 30 MHz. The test setup and procedures were in accordance with ANSI C63.10-2009.

TEST EQUIPMENT

Description	Manufacturer	Model	ID	Last Cal.	Cal. Due
Receiver	Rohde & Schwarz	ESCI	ARF	5/27/2014	05/27/2015
LISN	Solar Electronics	9252-50-R-24-BNC	LJK	9/14/2014	09/14/2015
Cable	Northwest EMC	CE 9kHz-108MHz	TXA	9/14/2014	09/14/2015
High Pass Filter	TTE	H97-100K-50-720B	HHZ	9/13/2014	09/13/2015
LISN	Solar Electronics	9252-50-R-24-BNC	LJL	9/14/2014	09/14/2015
Attenuator	Fairview Microwave	SA6B10W-20	TQR	9/13/2014	09/13/2015

MEASUREMENT UNCERTAINTY

Description		
Expanded k=2	2.4 dB	-2.4 dB

CONFIGURATIONS INVESTIGATED

PROS0222-3

MODES INVESTIGATED

Transmitting High Channel 11 2462MHz, 802.11(b) 1 Mbps
Transmitting Low Channel 1 2412MHz, 802.11(b) 1 Mbps
Transmitting Mid Channel 6 2437MHz, 802.11(b) 1 Mbps

AC POWERLINE CONDUCTED EMISSIONS

EUT:	RLX2-IHNF	Work Order:	PROS0222
Serial Number:	000D8DF095CF	Date:	05/22/2015
Customer:	ProSoft Technology, Inc.	Temperature:	25.1°C
Attendees:	None	Relative Humidity:	45.8%
Customer Project:	None	Bar. Pressure:	1022 mb
Tested By:	Jeremiah Darden	Job Site:	TX01
Power:	110VAC/60Hz	Configuration:	PROS0222-3

TEST SPECIFICATIONS

Specification:	Method:
FCC 15.207:2015	ANSI C63.10:2009

TEST PARAMETERS

Run #:	5	Line:	High Line	Ext. Attenuation (dB):	20
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COMMENTS

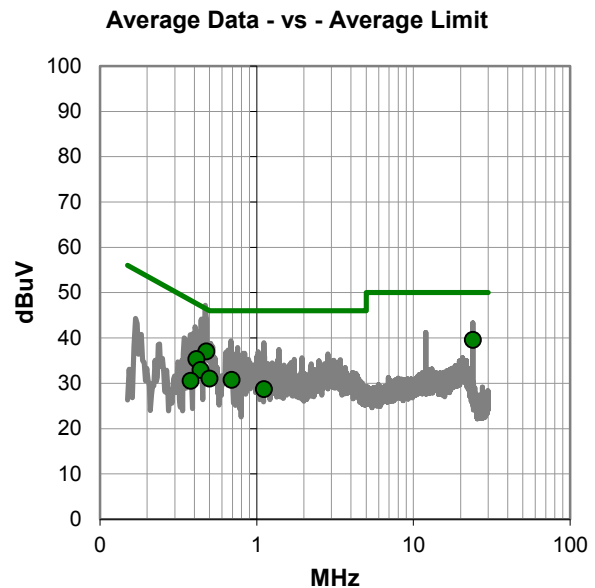
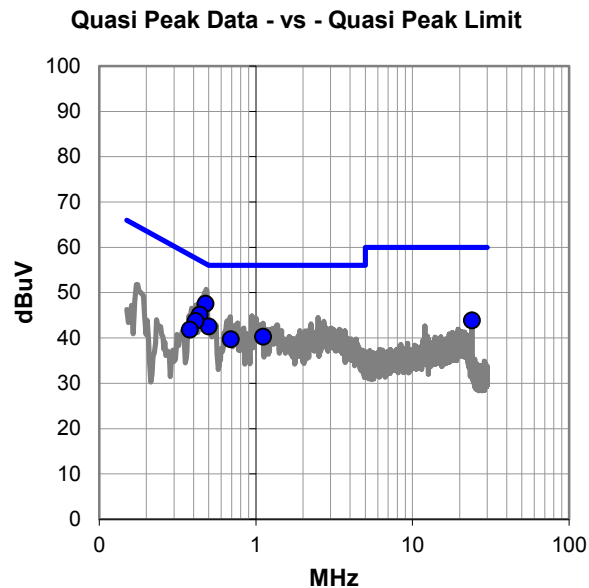
None

EUT OPERATING MODES

Transmitting Low Channel 1 2412MHz, 802.11(b) 1 Mbps

DEVIATIONS FROM TEST STANDARD

None



AC POWERLINE CONDUCTED EMISSIONS

RESULTS - Run #5

Quasi Peak Data - vs - Quasi Peak Limit

Freq (MHz)	Amp. (dBuV)	Factor (dB)	Adjusted (dBuV)	Spec. Limit (dBuV)	Margin (dB)
0.477	27.5	20.0	47.5	56.4	-8.9
0.439	25.1	20.0	45.1	57.1	-12.0
0.500	22.5	20.0	42.5	56.0	-13.5
0.414	23.7	20.0	43.7	57.6	-13.9
1.113	20.2	20.1	40.3	56.0	-15.7
24.001	22.8	21.0	43.8	60.0	-16.2
0.693	19.7	20.0	39.7	56.0	-16.3
0.379	21.8	20.0	41.8	58.3	-16.5

Average Data - vs - Average Limit

Freq (MHz)	Amp. (dBuV)	Factor (dB)	Adjusted (dBuV)	Spec. Limit (dBuV)	Margin (dB)
0.477	17.0	20.0	37.0	46.4	-9.4
24.001	18.5	21.0	39.5	50.0	-10.5
0.414	15.3	20.0	35.3	47.6	-12.3
0.439	12.9	20.0	32.9	47.1	-14.2
0.500	11.0	20.0	31.0	46.0	-15.0
0.693	10.7	20.0	30.7	46.0	-15.3
1.113	8.6	20.1	28.7	46.0	-17.3
0.379	10.5	20.0	30.5	48.3	-17.8

CONCLUSION

Pass



Tested By

AC POWERLINE CONDUCTED EMISSIONS

EUT:	RLX2-IHNF	Work Order:	PROS0222
Serial Number:	000D8DF095CF	Date:	05/22/2015
Customer:	ProSoft Technology, Inc.	Temperature:	25.1°C
Attendees:	None	Relative Humidity:	45.8%
Customer Project:	None	Bar. Pressure:	1022 mb
Tested By:	Jeremiah Darden	Job Site:	TX01
Power:	110VAC/60Hz	Configuration:	PROS0222-3

TEST SPECIFICATIONS

Specification:	Method:
FCC 15.207:2015	ANSI C63.10:2009

TEST PARAMETERS

Run #:	6	Line:	Neutral	Ext. Attenuation (dB):	20
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COMMENTS

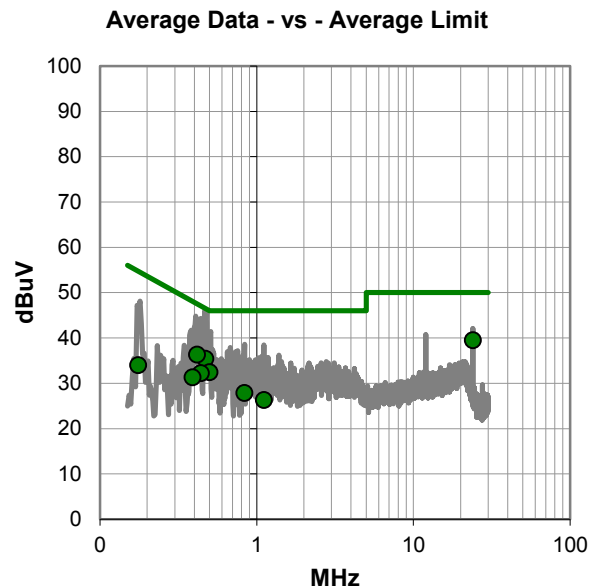
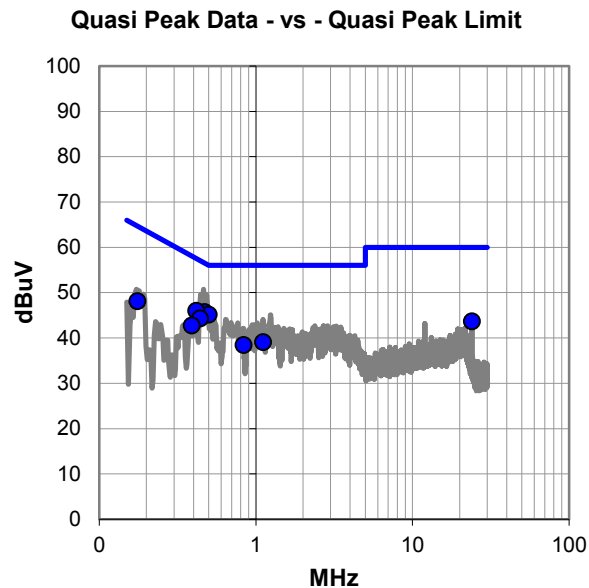
None

EUT OPERATING MODES

Transmitting Low Channel 1 2412MHz, 802.11(b) 1 Mbps

DEVIATIONS FROM TEST STANDARD

None



AC POWERLINE CONDUCTED EMISSIONS

RESULTS - Run #6

Quasi Peak Data - vs - Quasi Peak Limit

Freq (MHz)	Amp. (dBuV)	Factor (dB)	Adjusted (dBuV)	Spec. Limit (dBuV)	Margin (dB)
0.470	25.7	20.0	45.7	56.5	-10.8
0.501	25.1	20.0	45.1	56.0	-10.9
0.416	26.0	20.0	46.0	57.5	-11.5
0.441	24.3	20.0	44.3	57.1	-12.8
0.390	22.7	20.0	42.7	58.1	-15.4
24.001	22.6	21.0	43.6	60.0	-16.4
0.176	28.0	20.1	48.1	64.7	-16.6
1.113	19.0	20.1	39.1	56.0	-16.9
0.835	18.4	20.0	38.4	56.0	-17.6

Average Data - vs - Average Limit

Freq (MHz)	Amp. (dBuV)	Factor (dB)	Adjusted (dBuV)	Spec. Limit (dBuV)	Margin (dB)
24.001	18.4	21.0	39.4	50.0	-10.6
0.470	15.4	20.0	35.4	46.5	-11.1
0.416	16.3	20.0	36.3	47.5	-11.2
0.501	12.4	20.0	32.4	46.0	-13.6
0.441	12.2	20.0	32.2	47.1	-14.9
0.390	11.3	20.0	31.3	48.1	-16.8
0.835	7.8	20.0	27.8	46.0	-18.2
1.113	6.2	20.1	26.3	46.0	-19.7
0.176	13.9	20.1	34.0	54.7	-20.7

CONCLUSION

Pass



Tested By

AC POWERLINE CONDUCTED EMISSIONS

EUT:	RLX2-IHNF	Work Order:	PROS0222
Serial Number:	000D8DF095CF	Date:	05/22/2015
Customer:	ProSoft Technology, Inc.	Temperature:	25.1°C
Attendees:	None	Relative Humidity:	45.8%
Customer Project:	None	Bar. Pressure:	1022 mb
Tested By:	Jeremiah Darden	Job Site:	TX01
Power:	110VAC/60Hz	Configuration:	PROS0222-3

TEST SPECIFICATIONS

Specification:	Method:
FCC 15.207:2015	ANSI C63.10:2009

TEST PARAMETERS

Run #:	7	Line:	High Line	Ext. Attenuation (dB):	20
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COMMENTS

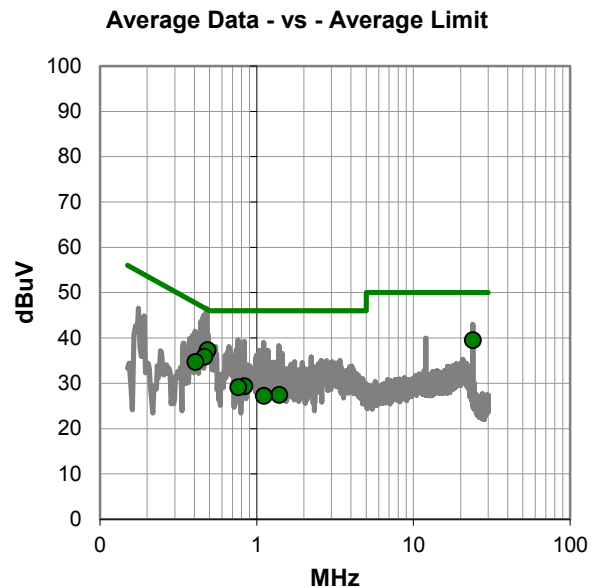
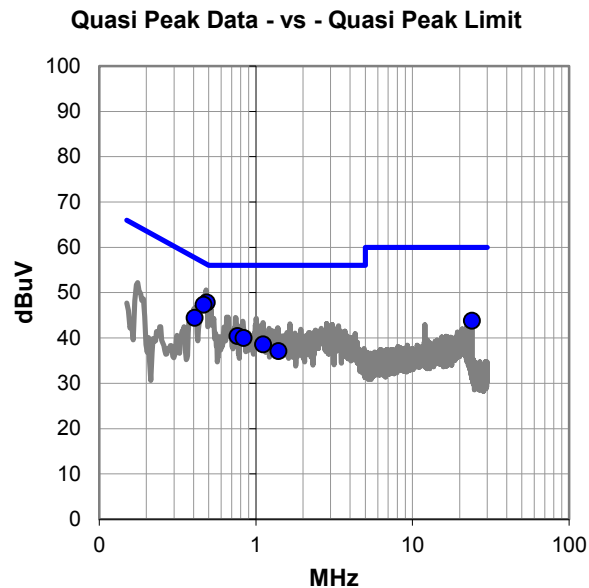
None

EUT OPERATING MODES

Transmitting Mid Channel 6 2437MHz, 802.11(b) 1 Mbps

DEVIATIONS FROM TEST STANDARD

None



AC POWERLINE CONDUCTED EMISSIONS

RESULTS - Run #7

Quasi Peak Data - vs - Quasi Peak Limit

Freq (MHz)	Amp. (dBuV)	Factor (dB)	Adjusted (dBuV)	Spec. Limit (dBuV)	Margin (dB)
0.486	27.8	20.0	47.8	56.2	-8.4
0.465	27.3	20.0	47.3	56.6	-9.3
0.406	24.4	20.0	44.4	57.7	-13.3
0.765	20.4	20.0	40.4	56.0	-15.6
0.835	20.0	20.0	40.0	56.0	-16.0
24.001	22.7	21.0	43.7	60.0	-16.3
1.113	18.5	20.1	38.6	56.0	-17.4
1.394	17.0	20.1	37.1	56.0	-18.9

Average Data - vs - Average Limit

Freq (MHz)	Amp. (dBuV)	Factor (dB)	Adjusted (dBuV)	Spec. Limit (dBuV)	Margin (dB)
0.486	17.3	20.0	37.3	46.2	-8.9
24.001	18.4	21.0	39.4	50.0	-10.6
0.465	15.8	20.0	35.8	46.6	-10.8
0.406	14.7	20.0	34.7	47.7	-13.0
0.835	9.3	20.0	29.3	46.0	-16.7
0.765	9.1	20.0	29.1	46.0	-16.9
1.394	7.3	20.1	27.4	46.0	-18.6
1.113	7.1	20.1	27.2	46.0	-18.8

CONCLUSION

Pass



Tested By

AC POWERLINE CONDUCTED EMISSIONS

EUT:	RLX2-IHNF	Work Order:	PROS0222
Serial Number:	000D8DF095CF	Date:	05/22/2015
Customer:	ProSoft Technology, Inc.	Temperature:	25.1°C
Attendees:	None	Relative Humidity:	45.8%
Customer Project:	None	Bar. Pressure:	1022 mb
Tested By:	Jeremiah Darden	Job Site:	TX01
Power:	110VAC/60Hz	Configuration:	PROS0222-3

TEST SPECIFICATIONS

Specification:	Method:
FCC 15.207:2015	ANSI C63.10:2009

TEST PARAMETERS

Run #:	8	Line:	Neutral	Ext. Attenuation (dB):	20
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COMMENTS

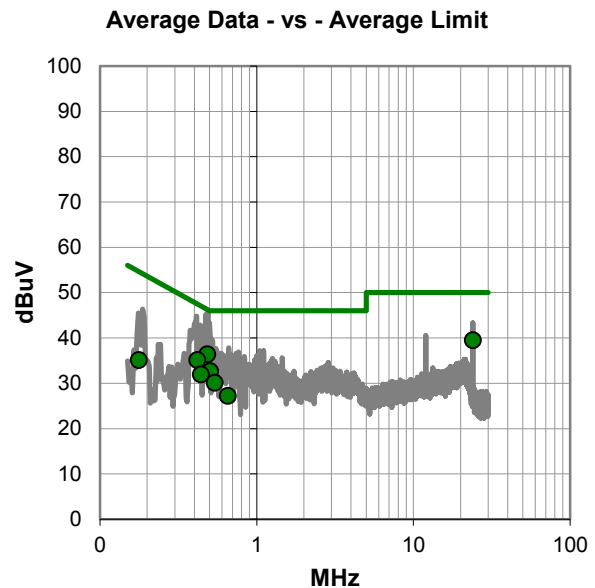
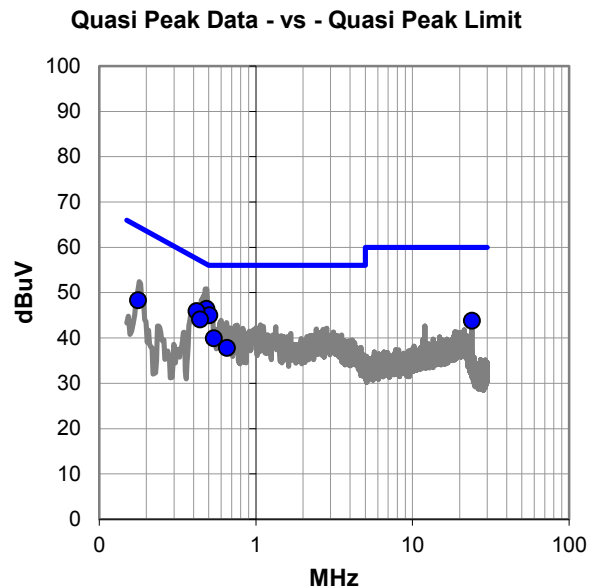
None

EUT OPERATING MODES

Transmitting Mid Channel 6 2437MHz, 802.11(b) 1 Mbps

DEVIATIONS FROM TEST STANDARD

None



AC POWERLINE CONDUCTED EMISSIONS

RESULTS - Run #8

Quasi Peak Data - vs - Quasi Peak Limit

Freq (MHz)	Amp. (dBuV)	Factor (dB)	Adjusted (dBuV)	Spec. Limit (dBuV)	Margin (dB)
0.484	26.4	20.0	46.4	56.3	-9.9
0.506	25.0	20.0	45.0	56.0	-11.0
0.418	25.9	20.0	45.9	57.5	-11.6
0.441	24.1	20.0	44.1	57.0	-12.9
0.541	19.9	20.0	39.9	56.0	-16.1
24.001	22.7	21.0	43.7	60.0	-16.3
0.177	28.2	20.1	48.3	64.6	-16.3
0.655	17.8	20.0	37.8	56.0	-18.2

Average Data - vs - Average Limit

Freq (MHz)	Amp. (dBuV)	Factor (dB)	Adjusted (dBuV)	Spec. Limit (dBuV)	Margin (dB)
0.484	16.4	20.0	36.4	46.3	-9.9
24.001	18.4	21.0	39.4	50.0	-10.6
0.418	15.1	20.0	35.1	47.5	-12.4
0.506	12.6	20.0	32.6	46.0	-13.4
0.441	11.9	20.0	31.9	47.0	-15.1
0.541	10.1	20.0	30.1	46.0	-15.9
0.655	7.2	20.0	27.2	46.0	-18.8
0.177	15.0	20.1	35.1	54.6	-19.5

CONCLUSION

Pass



Tested By

AC POWERLINE CONDUCTED EMISSIONS

EUT:	RLX2-IHNF	Work Order:	PROS0222
Serial Number:	000D8DF095CF	Date:	05/22/2015
Customer:	ProSoft Technology, Inc.	Temperature:	25.1°C
Attendees:	None	Relative Humidity:	45.8%
Customer Project:	None	Bar. Pressure:	1022 mb
Tested By:	Jeremiah Darden	Job Site:	TX01
Power:	110VAC/60Hz	Configuration:	PROS0222-3

TEST SPECIFICATIONS

Specification:	Method:
FCC 15.207:2015	ANSI C63.10:2009

TEST PARAMETERS

Run #:	9	Line:	High Line	Ext. Attenuation (dB):	20
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COMMENTS

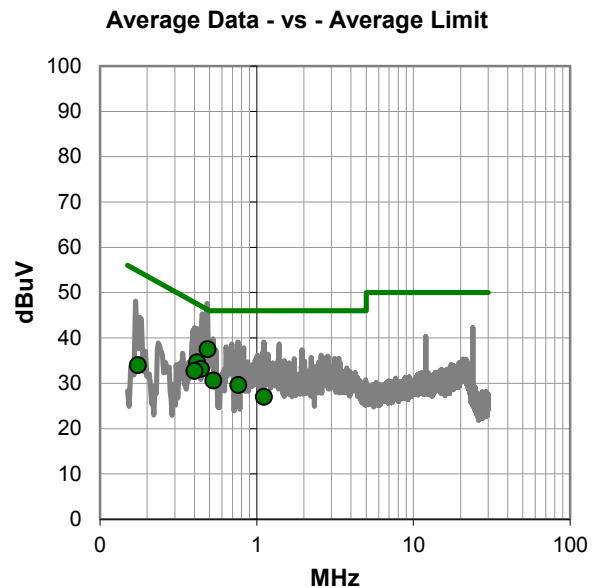
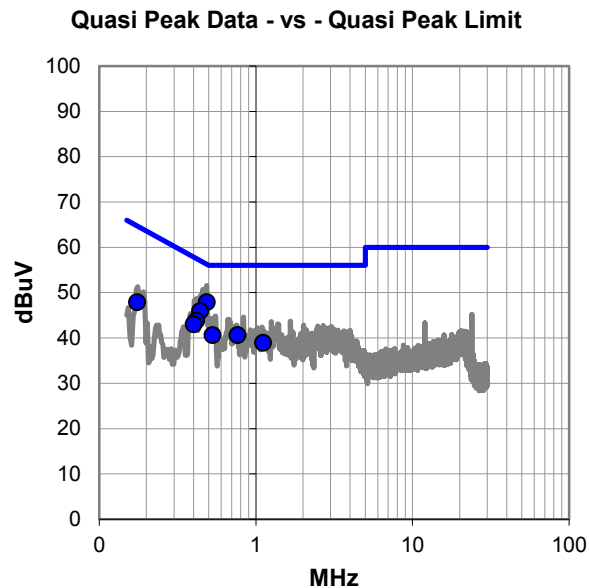
None

EUT OPERATING MODES

Transmitting High Channel 11 2462MHz, 802.11(b) 1 Mbps

DEVIATIONS FROM TEST STANDARD

None



AC POWERLINE CONDUCTED EMISSIONS

RESULTS - Run #9

Quasi Peak Data - vs - Quasi Peak Limit

Freq (MHz)	Amp. (dBuV)	Factor (dB)	Adjusted (dBuV)	Spec. Limit (dBuV)	Margin (dB)
0.486	27.9	20.0	47.9	56.2	-8.3
0.441	25.9	20.0	45.9	57.0	-11.1
0.417	23.8	20.0	43.8	57.5	-13.7
0.402	23.0	20.0	43.0	57.8	-14.8
0.530	20.6	20.0	40.6	56.0	-15.4
0.764	20.6	20.0	40.6	56.0	-15.4
0.175	27.8	20.1	47.9	64.7	-16.8
1.116	18.8	20.1	38.9	56.0	-17.1

Average Data - vs - Average Limit

Freq (MHz)	Amp. (dBuV)	Factor (dB)	Adjusted (dBuV)	Spec. Limit (dBuV)	Margin (dB)
0.486	17.5	20.0	37.5	46.2	-8.7
0.417	14.6	20.0	34.6	47.5	-12.9
0.441	13.1	20.0	33.1	47.0	-13.9
0.402	12.7	20.0	32.7	47.8	-15.1
0.530	10.6	20.0	30.6	46.0	-15.4
0.764	9.6	20.0	29.6	46.0	-16.4
1.116	6.9	20.1	27.0	46.0	-19.0
0.175	13.9	20.1	34.0	54.7	-20.7

CONCLUSION

Pass



Tested By

AC POWERLINE CONDUCTED EMISSIONS

EUT:	RLX2-IHNF	Work Order:	PROS0222
Serial Number:	000D8DF095CF	Date:	05/22/2015
Customer:	ProSoft Technology, Inc.	Temperature:	25.1°C
Attendees:	None	Relative Humidity:	45.8%
Customer Project:	None	Bar. Pressure:	1022 mb
Tested By:	Jeremiah Darden	Job Site:	TX01
Power:	110VAC/60Hz	Configuration:	PROS0222-3

TEST SPECIFICATIONS

Specification:	Method:
FCC 15.207:2015	ANSI C63.10:2009

TEST PARAMETERS

Run #:	10	Line:	Neutral	Ext. Attenuation (dB):	20
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COMMENTS

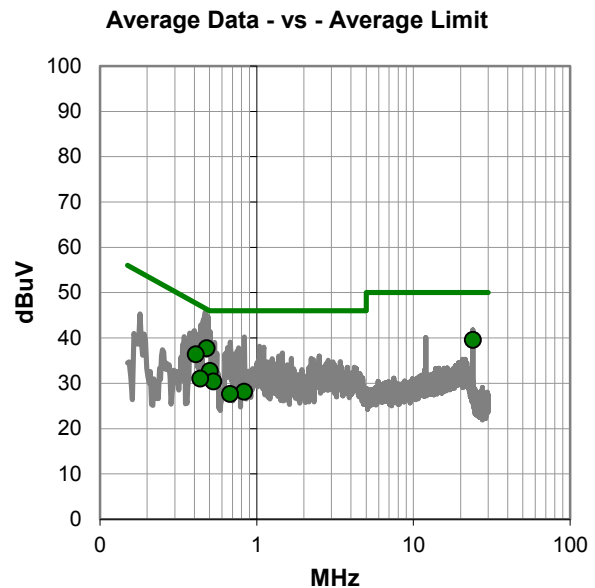
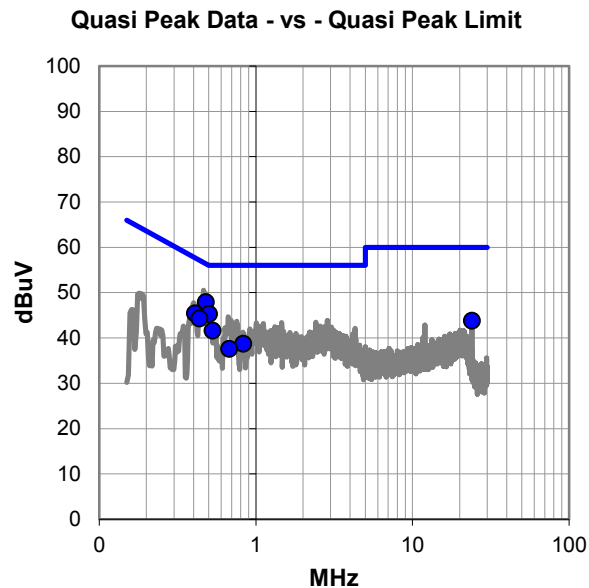
None

EUT OPERATING MODES

Transmitting High Channel 11 2462MHz, 802.11(b) 1 Mbps

DEVIATIONS FROM TEST STANDARD

None



AC POWERLINE CONDUCTED EMISSIONS

RESULTS - Run #10

Quasi Peak Data - vs - Quasi Peak Limit

Freq (MHz)	Amp. (dBuV)	Factor (dB)	Adjusted (dBuV)	Spec. Limit (dBuV)	Margin (dB)
0.479	27.9	20.0	47.9	56.3	-8.4
0.503	25.3	20.0	45.3	56.0	-10.7
0.409	25.4	20.0	45.4	57.7	-12.3
0.438	24.3	20.0	44.3	57.1	-12.8
0.530	21.6	20.0	41.6	56.0	-14.4
24.001	22.7	21.0	43.7	60.0	-16.3
0.834	18.7	20.0	38.7	56.0	-17.3
0.677	17.6	20.0	37.6	56.0	-18.4

Average Data - vs - Average Limit

Freq (MHz)	Amp. (dBuV)	Factor (dB)	Adjusted (dBuV)	Spec. Limit (dBuV)	Margin (dB)
0.479	17.7	20.0	37.7	46.3	-8.6
24.001	18.5	21.0	39.5	50.0	-10.5
0.409	16.4	20.0	36.4	47.7	-11.3
0.503	12.7	20.0	32.7	46.0	-13.3
0.530	10.4	20.0	30.4	46.0	-15.6
0.438	11.0	20.0	31.0	47.1	-16.1
0.834	8.1	20.0	28.1	46.0	-17.9
0.677	7.6	20.0	27.6	46.0	-18.4

CONCLUSION

Pass



Tested By

Testing was performed using the mode(s) of operation and configuration(s) noted within the report. The individuals and/or the organization requesting the test provided the modes, configurations and settings used to complete the evaluation. The actual test parameters are specified in the test data, this includes items such as investigated frequency range (scanned) and test levels. The testing methods and performance specifications, as well as the test site used for the evaluation are indicated in the test data. The test data represents the configuration / operating mode/ model that produced the highest emission levels as compared to the specification limit.

CHANNELS OF OPERATION

Low Ch. 1 (2412MHz)
Mid Ch. 6 (2437MHz)
High Ch. 11 (2462MHz)
Ch. 1/5 (2422MHz)
Ch. 4/8 (2437MHz)
Ch. 7/11 (2452MHz)

MODES OF OPERATION

1 Mbps
11 Mbps
6 Mbps
36 Mbps
54 Mbps
MCS0
MCS7

POWER SETTINGS INVESTIGATED

110VAC/60Hz

CONFIGURATIONS INVESTIGATED

PROS0222 - 2

FREQUENCY RANGE INVESTIGATED

Start Frequency 30 MHz Stop Frequency 26000 MHz

SAMPLE CALCULATIONS

Radiated Emissions: Field Strength = Measured Level + Antenna Factor + Cable Factor - Amplifier Gain + Distance Adjustment Factor + External Attenuation

TEST EQUIPMENT

Description	Manufacturer	Model	ID	Last Cal.	Interval (mo)
Pre-Amplifier	Miteq	JSDQK42-18004000-60-5P	PAM	11/21/2014	12
Cable	Northwest EMC	18-40GHz	TXE	11/21/2014	12
Antenna, Double Ridge Guide Horn	A.H. Systems, Inc.	SAS-574	AXW	4/23/2014	24
Pre-Amplifier	Miteq	AMF-6F-12001800-30-10P	PAL	10/27/2014	12
Antenna, Horn	ETS Lindgren	3160-08	AJG	NCR	0
Pre-Amplifier	Miteq	AMF-6F-08001200-30-10P	PAK	10/27/2014	12
TX02 Cable	Northwest EMC	8-18GHz	TXD	10/27/2014	12
Antenna, Horn	ETS Lindgren	3160-07	AJF	NCR	0
High Pass Filter, 2.8 - 18 GHz	Micro-Tronics	HPM50111	HHX	8/18/2014	12
Attenuator	Fairview Microwave	SA18H-20	TKQ	NCR	0
Pre-Amplifier	Miteq	AMF-3D-00100800-32-13P	PAJ	9/22/2014	12
TX02 Cable	Northwest EMC	1-8.2 GHz	TXC	9/22/2014	12
Antenna, Horn	ETS Lindgren	3115	AJL	9/15/2014	24
Low Pass Filter, 0 - 1000 MHz	Micro-Tronics	LPM50004	HHV	8/18/2014	12
Spectrum Analyzer	Agilent	N9010A	AFL	6/20/2014	12
TX02 Cable	Northwest EMC	RE 9kHz - 1GHz	TXB	9/22/2014	12
Pre-Amplifier	Miteq	AM-1551	PAH	9/13/2014	12
Antenna, Biconilog	ETS Lindgren	3143B	AYF	4/7/2014	24

TEST DESCRIPTION

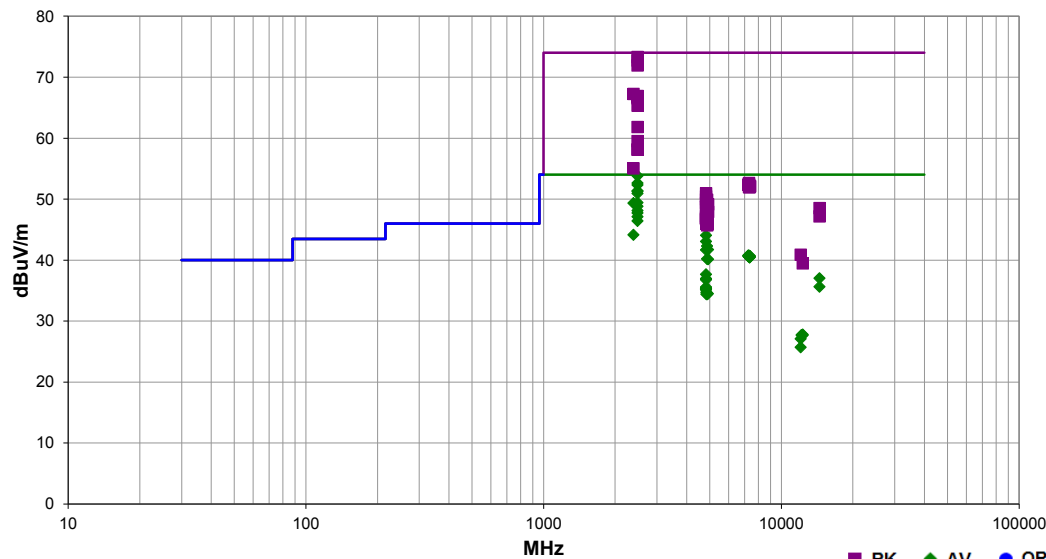
The highest gain of each type of antenna to be used with the EUT was tested. The EUT was configured for low, mid, and high band transmit frequencies. For each configuration, the spectrum was scanned throughout the specified range. In addition, measurements were made in the restricted bands to verify compliance.

While scanning, emissions from the EUT were maximized by rotating the EUT on a turntable, adjusting the position of the EUT and the EUT antenna in three orthogonal axis, and adjusting measurement antenna height and polarization. A preamp and high pass filter were used for this test in order to provide sufficient measurement sensitivity.

Work Order:	PROS0222	Date:	05/27/15	
Project:	None	Temperature:	25.6 °C	
Job Site:	TX02	Humidity:	44.3% RH	
Serial Number:	000D8DF095CF	Barometric Pres.:	1022 mbar	
EUT:		RLX2-IHNF		
Configuration:		2		
Customer:		ProSoft Technology, Inc.		
Attendees:		None		
EUT Power:		110VAC/60Hz		
Operating Mode:		Continuously Transmitting 802.11bgn		
Deviations:		None		
Comments:		PK and AVG (RMS) data. See comments on data for channel, data rate and orientation.		

Test Specifications	Test Method
FCC 15.247:2015	ANSI C63.10:2009

Run #	19	Test Distance (m)	3	Antenna Height(s)	1 to 4(m)	Results	Pass
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Freq (MHz)	Amplitude (dBuV)	Factor (dB)	Antenna Height (meters)	Azimuth (degrees)	Test Distance (meters)	External Attenuation (dB)	Polarity/ Transducer Type	Detector	Distance Adjustment (dB)	Adjusted (dBuV/m)	Spec. Limit (dBuV/m)	Compared to Spec. (dB)	Comments
2483.840	38.5	-4.7	1.0	315.0	3.0	20.0	Horz	AV	0.0	53.8	54.0	-0.2	High Ch. 11 (2462MHz), 6 Mbps, EUT Vertical
2484.267	58.0	-4.7	1.0	315.0	3.0	20.0	Horz	PK	0.0	73.3	74.0	-0.7	High Ch. 11 (2462MHz), 6 Mbps, EUT Vertical
2483.563	57.4	-4.7	1.5	99.9	3.0	20.0	Horz	PK	0.0	72.7	74.0	-1.3	High Ch. 11 (2462MHz), 6 Mbps, EUT On Side
2484.390	37.3	-4.7	1.0	315.0	3.0	20.0	Horz	AV	0.0	52.6	54.0	-1.4	High Ch. 11 (2462MHz), 36 Mbps, EUT Vertical
2483.500	37.0	-4.7	1.5	99.9	3.0	20.0	Horz	AV	0.0	52.3	54.0	-1.7	High Ch. 11 (2462MHz), 6 Mbps, EUT On Side
2484.377	56.6	-4.7	1.0	315.0	3.0	20.0	Horz	PK	0.0	71.9	74.0	-2.1	High Ch. 11 (2462MHz), 36 Mbps, EUT Vertical
2483.500	36.0	-4.7	3.5	315.0	3.0	20.0	Horz	AV	0.0	51.3	54.0	-2.7	High Ch. 11 (2462MHz), 54 Mbps, EUT Vertical
2483.500	36.0	-4.7	3.5	315.0	3.0	20.0	Horz	AV	0.0	51.3	54.0	-2.7	High Ch. 11 (2462MHz), MCS7, EUT Vertical
2483.500	35.6	-4.7	1.0	351.0	3.0	20.0	Vert	AV	0.0	50.9	54.0	-3.1	High Ch. 11 (2462MHz), 6 Mbps, EUT Horizontal
2483.500	34.1	-4.7	1.5	123.0	3.0	20.0	Vert	AV	0.0	49.4	54.0	-4.6	High Ch. 11 (2462MHz), 6 Mbps, EUT Vertical
2390.000	44.1	-4.8	2.5	141.9	3.0	10.0	Horz	AV	0.0	49.3	54.0	-4.7	Low Ch. 1 (2412 MHz), 6 Mbps, EUT Vertical
2483.500	33.5	-4.7	3.5	90.0	3.0	20.0	Horz	AV	0.0	48.8	54.0	-5.2	High Ch. 11 (2462MHz), 1 Mbps, EUT Vertical
2483.500	32.8	-4.7	1.0	315.0	3.0	20.0	Horz	AV	0.0	48.1	54.0	-5.9	High Ch. 11 (2462MHz), MCS0, EUT Vertical
2483.500	32.4	-4.7	2.2	253.0	3.0	20.0	Vert	AV	0.0	47.7	54.0	-6.3	High Ch. 11 (2462MHz), 6 Mbps, EUT On Side
2390.000	62.0	-4.8	2.5	141.9	3.0	10.0	Horz	PK	0.0	67.2	74.0	-6.8	Low Ch. 1 (2412MHz), 6 Mbps, EUT Vertical
2483.500	31.8	-4.7	1.0	315.0	3.0	20.0	Horz	AV	0.0	47.1	54.0	-6.9	High Ch. 11 (2462MHz), 11 Mbps, EUT Vertical
2483.500	51.6	-4.7	1.5	123.0	3.0	20.0	Vert	PK	0.0	66.9	74.0	-7.1	High Ch. 11 (2462MHz), 6 Mbps, EUT Vertical
2483.500	51.4	-4.7	2.2	253.0	3.0	20.0	Vert	PK	0.0	66.7	74.0	-7.3	High Ch. 11 (2462MHz), 6 Mbps, EUT On Side
2483.500	51.4	-4.7	3.5	315.0	3.0	20.0	Horz	PK	0.0	66.7	74.0	-7.3	High Ch. 11 (2462MHz), 1 Mbps, EUT Vertical
2483.500	51.2	-4.7	1.0	351.0	3.0	20.0	Vert	PK	0.0	66.5	74.0	-7.5	High Ch. 11 (2462MHz), 6 Mbps, EUT Horizontal
2483.500	31.1	-4.7	1.0	201.9	3.0	20.0	Horz	AV	0.0	46.4	54.0	-7.6	High Ch. 11 (2462MHz), 6 Mbps, EUT Vertical
2483.500	50.0	-4.7	3.5	315.0	3.0	20.0	Horz	PK	0.0	65.3	74.0	-8.7	High Ch. 11 (2462MHz), MCS7, EUT Vertical
2390.000	38.9	-4.8	2.0	90.0	3.0	10.0	Horz	AV	0.0	44.1	54.0	-9.9	Low Ch. 1 (2412MHz), 1 Mbps, EUT Vertical
4823.992	36.2	7.9	1.7	60.0	3.0	0.0	Vert	AV	0.0	44.1	54.0	-9.9	Low Ch. 1 (2412MHz), 1 Mbps, EUT Horizontal
4823.942	35.2	7.9	4.0	115.0	3.0	0.0	Horz	AV	0.0	43.1	54.0	-10.9	Low Ch. 1 (2412MHz), 1 Mbps, EUT Vertical
4873.967	34.3	8.0	1.0	319.0	3.0	0.0	Vert	AV	0.0	42.3	54.0	-11.7	Mid Channel 6 (2437MHz), 1 Mbps, EUT Horizontal
2483.500	46.5	-4.7	1.0	315.0	3.0	20.0	Horz	PK	0.0	61.8	74.0	-12.2	High Ch. 11 (2462MHz), MCS0, EUT Vertical
4923.967	33.6	8.1	2.1	194.0	3.0	0.0	Vert	AV	0.0	41.7	54.0	-12.3	High Ch. 11 (2462MHz), 1 Mbps, EUT Horizontal
4823.983	33.8	7.9	1.0	118.9	3.0	0.0	Horz	AV	0.0	41.7	54.0	-12.3	Low Ch. 1 (2412MHz), 1 Mbps, EUT On Side
7312.433	27.4	13.4	1.0	325.0	3.0	0.0	Horz	AV	0.0	40.8	54.0	-13.2	Mid Ch. 6 (2437MHz), 1 Mbps, EUT Vertical
7266.933	27.4	13.3	1.0	129.0	3.0	0.0	Vert	AV	0.0	40.7	54.0	-13.3	Ch. 1/5 (2422MHz), MCS7, EUT Horizontal
7387.758	27.3	13.4	1.0	145.0	3.0	0.0	Horz	AV	0.0	40.7	54.0	-13.3	High Ch. 11 (2462MHz), 1 Mbps, EUT Vertical
7313.342	27.3	13.4	1.0	151.0	3.0	0.0	Vert	AV	0.0	40.7	54.0	-13.3	Ch. 4/8 (2437MHz), MCS7, EUT Horizontal
7312.842	27.3	13.4	1.0	63.0	3.0	0.0	Vert	AV	0.0	40.7	54.0	-13.3	Mid Ch. 6 (2437MHz), 1 Mbps, EUT Horizontal

Freq (MHz)	Amplitude (dBuV)	Factor (dB)	Antenna Height (meters)	Azimuth (degrees)	Test Distance (meters)	External Attenuation (dB)	Polarity/ Transducer Type	Detector	Distance Adjustment (dB)	Adjusted (dBuV/m)	Spec. Limit (dBuV/m)	Compared to Spec. (dB)	Comments
7267.617	27.3	13.3	1.0	12.0	3.0	0.0	Horz	AV	0.0	40.6	54.0	-13.4	Ch. 1/5 (2422MHz), MCS7, EUT Vertical
7387.642	27.2	13.4	1.0	117.9	3.0	0.0	Vert	AV	0.0	40.6	54.0	-13.4	High Ch. 11 (2462MHz), 1 Mbps, EUT Horizontal
7312.333	27.2	13.4	1.0	310.9	3.0	0.0	Horz	AV	0.0	40.6	54.0	-13.4	Ch. 4/8 (2437MHz), MCS7, EUT Vertical
7357.000	27.1	13.4	1.0	222.0	3.0	0.0	Horz	AV	0.0	40.5	54.0	-13.5	Ch. 7/11 (2452MHz), MCS7, EUT Vertical
7354.592	27.1	13.4	1.0	292.9	3.0	0.0	Vert	AV	0.0	40.5	54.0	-13.5	Ch. 7/11 (2452MHz), MCS7, EUT Horizontal
4873.983	32.2	8.0	1.0	126.0	3.0	0.0	Horz	AV	0.0	40.2	54.0	-13.8	Mid Ch. 6 (2437MHz), 1 Mbps, EUT Vertical
4923.975	32.0	8.1	1.1	93.0	3.0	0.0	Horz	AV	0.0	40.1	54.0	-13.9	High Ch. 11 (2462MHz), 1 Mbps, EUT Vertical
2483.813	44.2	-4.7	3.5	90.0	3.0	20.0	Horz	PK	0.0	59.5	74.0	-14.5	High Ch. 11 (2462MHz), 1 Mbps, EUT Vertical
2483.853	42.8	-4.7	1.0	315.0	3.0	20.0	Horz	PK	0.0	58.1	74.0	-15.9	High Ch. 11 (2462MHz), 11 Mbps, EUT Vertical
2483.500	42.8	-4.7	1.0	201.9	3.0	20.0	Horz	PK	0.0	58.1	74.0	-15.9	High Ch. 11 (2462MHz), 6 Mbps, EUT Horizontal
4823.992	29.8	7.9	1.0	111.0	3.0	0.0	Vert	AV	0.0	37.7	54.0	-16.3	Low Ch. 1 (2412MHz), 1 Mbps, EUT On Side
14474.400	26.4	10.6	1.0	237.9	3.0	0.0	Horz	AV	0.0	37.0	54.0	-17.0	Low Ch. 1 (2412MHz), 1 Mbps, EUT Vertical
4821.525	29.1	7.9	1.0	285.9	3.0	0.0	Horz	AV	0.0	37.0	54.0	-17.0	Low Ch. 1 (2412MHz), 1 Mbps, EUT Horizontal
4821.542	28.9	7.9	1.0	93.0	3.0	0.0	Vert	AV	0.0	36.8	54.0	-17.2	Low Ch. 1 (2412MHz), 1 Mbps, EUT Vertical
14472.890	25.0	10.6	1.0	39.0	3.0	0.0	Vert	AV	0.0	35.6	54.0	-18.4	Low Ch. 1 (2412MHz), 1 Mbps, EUT Horizontal
4823.667	27.7	7.9	1.0	297.0	3.0	0.0	Vert	AV	0.0	35.6	54.0	-18.4	Low Ch. 1 (2412MHz), 36 Mbps, EUT Horizontal
4823.450	27.5	7.9	1.0	291.9	3.0	0.0	Vert	AV	0.0	35.4	54.0	-18.6	Low Ch. 1 (2412MHz), 6 Mbps, EUT Horizontal
4821.567	27.5	7.9	1.0	337.0	3.0	0.0	Vert	AV	0.0	35.4	54.0	-18.6	Low Ch. 1 (2412MHz), 11 Mbps, EUT Horizontal
4821.592	27.4	7.9	1.0	295.0	3.0	0.0	Vert	AV	0.0	35.3	54.0	-18.7	Low Ch. 1 (2412MHz), MCS0, EUT Horizontal
4821.733	27.3	7.9	1.0	92.0	3.0	0.0	Vert	AV	0.0	35.2	54.0	-18.8	Low Ch. 1 (2412MHz), MCS7, EUT Horizontal
4821.708	27.3	7.9	1.4	228.0	3.0	0.0	Vert	AV	0.0	35.2	54.0	-18.8	Low Ch. 1 (2412MHz), 54 Mbps, EUT Horizontal
2390.000	49.8	-4.8	2.0	90.0	3.0	10.0	Horz	PK	0.0	55.0	74.0	-19.0	Low Ch. 1 (2412MHz), 1 Mbps, EUT Vertical
4841.525	26.8	7.9	1.0	164.0	3.0	0.0	Vert	AV	0.0	34.7	54.0	-19.3	Ch. 1/5 (2422MHz), MCS7, EUT Horizontal
4905.017	26.4	8.1	1.0	303.9	3.0	0.0	Horz	AV	0.0	34.5	54.0	-19.5	Ch. 7/11 (2452MHz), MCS7, EUT Vertical
4903.608	26.4	8.1	2.6	234.0	3.0	0.0	Vert	AV	0.0	34.5	54.0	-19.5	Ch. 7/11 (2452MHz), MCS7, EUT Horizontal
4842.183	26.5	7.9	1.0	261.0	3.0	0.0	Horz	AV	0.0	34.4	54.0	-19.6	Ch. 1/5 (2422MHz), MCS7, EUT Vertical
4871.892	26.4	8.0	1.2	72.0	3.0	0.0	Horz	AV	0.0	34.4	54.0	-19.6	Ch. 4/8 (2437MHz), MCS7, EUT Vertical
4871.833	26.4	8.0	1.0	121.0	3.0	0.0	Vert	AV	0.0	34.4	54.0	-19.6	Ch. 4/8 (2437MHz), MCS7, EUT Horizontal
7310.967	39.3	13.4	1.0	151.0	3.0	0.0	Vert	PK	0.0	52.7	74.0	-21.3	Ch. 4/8 (2437MHz), MCS7, EUT Horizontal
7309.292	39.1	13.4	1.0	310.9	3.0	0.0	Horz	PK	0.0	52.5	74.0	-21.5	Ch. 4/8 (2437MHz), MCS7, EUT Vertical
7313.442	39.0	13.4	1.0	325.0	3.0	0.0	Horz	PK	0.0	52.4	74.0	-21.6	Mid Ch. 6 (2437MHz), 1 Mbps, EUT Vertical
7266.650	39.0	13.3	1.0	129.0	3.0	0.0	Vert	PK	0.0	52.3	74.0	-21.7	Ch. 1/5 (2422MHz), MCS7, EUT Horizontal
7265.358	39.0	13.3	1.0	12.0	3.0	0.0	Horz	PK	0.0	52.3	74.0	-21.7	Ch. 1/5 (2422MHz), MCS7, EUT Vertical
7386.758	38.8	13.4	1.0	145.0	3.0	0.0	Horz	PK	0.0	52.2	74.0	-21.8	High Ch. 11 (2462MHz), 1 Mbps, EUT Vertical
7355.050	38.8	13.4	1.0	292.9	3.0	0.0	Vert	PK	0.0	52.2	74.0	-21.8	Ch. 7/11 (2452MHz), MCS7, EUT Horizontal
7387.333	38.7	13.4	1.0	117.9	3.0	0.0	Vert	PK	0.0	52.1	74.0	-21.9	High Ch. 11 (2462MHz), 1 Mbps, EUT Horizontal
7356.208	38.6	13.4	1.0	222.0	3.0	0.0	Horz	PK	0.0	52.0	74.0	-22.0	Ch. 7/11 (2452MHz), MCS7, EUT Vertical
7310.333	38.6	13.4	1.0	63.0	3.0	0.0	Vert	PK	0.0	52.0	74.0	-22.0	Mid Ch. 6 (2437MHz), 1 Mbps, EUT Horizontal
4824.317	43.1	7.9	1.7	60.0	3.0	0.0	Vert	PK	0.0	51.0	74.0	-23.0	Low Ch. 1 (2412MHz), 1 Mbps, EUT Horizontal
4823.858	42.6	7.9	4.0	115.0	3.0	0.0	Horz	PK	0.0	50.5	74.0	-23.5	Low Ch. 1 (2412MHz), 1 Mbps, EUT Vertical
4823.725	42.1	7.9	1.0	118.9	3.0	0.0	Horz	PK	0.0	50.0	74.0	-24.0	Low Ch. 1 (2412MHz), 1 Mbps, EUT On Side
4874.133	41.9	8.0	1.0	319.0	3.0	0.0	Vert	PK	0.0	49.9	74.0	-24.1	Mid Ch. 6 (2437MHz), 1 Mbps, EUT Horizontal
4822.183	41.5	7.9	1.0	285.9	3.0	0.0	Horz	PK	0.0	49.4	74.0	-24.6	Low Ch. 1 (2412MHz), 1 Mbps, EUT Horizontal
4923.900	41.0	8.1	2.1	194.0	3.0	0.0	Vert	PK	0.0	49.1	74.0	-24.9	High Ch. 11 (2462MHz), 1 Mbps, EUT Horizontal
4824.258	40.9	7.9	1.0	111.0	3.0	0.0	Vert	PK	0.0	48.8	74.0	-25.2	Low Ch. 1 (2412MHz), 1 Mbps, EUT On Side
4821.942	40.9	7.9	1.0	93.0	3.0	0.0	Vert	PK	0.0	48.8	74.0	-25.2	Low Ch. 1 (2412MHz), 1 Mbps, EUT Vertical
4874.333	40.6	8.0	1.0	126.0	3.0	0.0	Horz	PK	0.0	48.6	74.0	-25.4	Mid Ch. 6 (2437MHz), 1 Mbps, EUT Vertical
14472.760	37.9	10.6	1.0	237.9	3.0	0.0	Horz	PK	0.0	48.5	74.0	-25.5	Low Ch. 1 (2412MHz), 1 Mbps, EUT Vertical
4923.950	39.8	8.1	1.1	93.0	3.0	0.0	Horz	PK	0.0	47.9	74.0	-26.1	High Ch. 11 (2462MHz), 1 Mbps, EUT Vertical
12310.280	28.4	-0.6	1.0	93.0	3.0	0.0	Vert	AV	0.0	27.8	54.0	-26.2	High Ch. 11 (2462MHz), 1 Mbps, EUT Horizontal
12187.310	28.5	-0.8	1.0	267.9	3.0	0.0	Horz	AV	0.0	27.7	54.0	-26.3	Mid Ch. 6 (2437MHz), 1 Mbps, EUT Vertical
12186.870	28.5	-0.8	1.0	336.0	3.0	0.0	Vert	AV	0.0	27.7	54.0	-26.3	Mid Ch. 6 (2437MHz), 1 Mbps, EUT Horizontal
12309.790	28.3	-0.6	1.0	357.9	3.0	0.0	Horz	AV	0.0	27.7	54.0	-26.3	High Ch. 11 (2462MHz), 1 Mbps, EUT Vertical
4822.925	39.3	7.9	1.0	297.0	3.0	0.0	Vert	PK	0.0	47.2	74.0	-26.8	Low Ch. 1 (2412MHz), 36 Mbps, EUT Horizontal
14469.560	36.5	10.7	1.0	39.0	3.0	0.0	Vert	PK	0.0	47.2	74.0	-26.8	Low Ch. 1 (2412MHz), 1 Mbps, EUT Horizontal
12060.780	28.3	-1.2	1.0	159.9	3.0	0.0	Vert	AV	0.0	27.1	54.0	-26.9	Low Ch. 1 (2412MHz), 1 Mbps, EUT Horizontal
4823.025	39.0	7.9	1.0	337.0	3.0	0.0	Vert	PK	0.0	46.9	74.0	-27.1	Low Ch. 1 (2412MHz), 11 Mbps, EUT Horizontal
4822.767	39.0	7.9	1.4	228.0	3.0	0.0	Vert	PK	0.0	46.9	74.0	-27.1	Low Ch. 1 (2412MHz), 54 Mbps, EUT Horizontal
4821.892	39.0	7.9	1.0	295.0	3.0	0.0	Vert	PK	0.0	46.9	74.0	-27.1	Low Ch. 1 (2412MHz), MCS0, EUT Horizontal
4823.342	38.9	7.9	1.0	291.9	3.0	0.0	Vert	PK	0.0	46.8	74.0	-27.2	Low Ch. 1 (2412MHz), 6 Mbps, EUT Horizontal
4822.283	38.8	7.9	1.0	92.0	3.0	0.0	Vert	PK	0.0	46.7	74.0	-27.3	Low Ch. 1 (2412MHz), MCS7, EUT Horizontal
4842.625	38.5	7.9	1.0	164.0	3.0	0.0	Vert	PK	0.0	46.4	74.0	-27.6	Ch. 1/5 (2422MHz), MCS7, EUT Horizontal
4871.825	38.2	8.0	1.2	72.0	3.0	0.0	Horz	PK	0.0	46.2	74.0	-27.8	Ch. 4/8 (2437MHz), MCS7, EUT Vertical
4842.142	38.1	7.9	1.0	261.0	3.0	0.0	Horz	PK	0.0	46.0	74.0	-28.0	Ch. 1/5 (2422MHz), MCS7, EUT Vertical
4905.167	37.9	8.1	1.0	303.9	3.0	0.0	Horz	PK	0.0	46.0	74.0	-28.0	Ch. 7/11 (2452MHz), MCS7, EUT Vertical
4902.317	37.8	8.1	2.6	234.0	3.0	0.0	Vert	PK	0.0	45.9	74.0	-28.1	Ch. 7/11 (2452MHz), MCS7, EUT Horizontal
12062.320	26.9	-1.2	1.0	206.0	3.0	0.0	Horz	AV	0.0	25.7	54.0	-28.3	Low Ch. 1 (2412MHz), 1 Mbps, EUT Vertical
4873.508	37.7	8.0	1.0	121.0	3.0	0.0	Vert	PK	0.0	45.7	74.0	-28.3	Ch. 4/8 (2437MHz), MCS7, EUT Horizontal
12059.360	42.1	-1.2	1.0	206.0	3.0	0.0	Horz	PK	0.0	40.9	74.0	-33.1	Low Ch. 1 (2412MHz), 1 Mbps, EUT Vertical
12310.900	40.1	-0.6	1.0	93.0	3.0	0.0	Vert	PK	0.0	39.5	74.0	-34.5	High Ch. 11 (2462MHz), 1 Mbps, EUT Horizontal
12312.110	40.0	-0.6	1.0	357.9	3.0	0.0	Horz	PK	0.0	39.4	74.0	-34.6	High Ch. 11 (2462MHz), 1 Mbps, EUT Vertical

BAND EDGE COMPLIANCE

Testing was performed using the mode(s) of operation and configuration(s) noted within the report. The individuals and/or the organization requesting the test provided the modes, configurations and settings used to complete the evaluation. The actual test parameters are specified in the test data, this includes items such as investigated frequency range (scanned) and test levels. The testing methods and performance specifications, as well as the test site used for the evaluation are indicated in the test data.

TEST EQUIPMENT

Description	Manufacturer	Model	ID	Last Cal.	Interval (mo)
Signal Generator, 40 GHz	Agilent	N5173B	TIW	7/15/2014	36
DC Block, 40 GHz	Fairview Microwave	SD3379	AMM	2/27/2015	12
Attenuator, 20dB, 40 GHz	Fairview Microwave	SA4018-20	TQY	2/27/2015	12
Spectrum Analyzer	Agilent	E4440A	AFD	7/14/2014	12

TEST DESCRIPTION

The spurious RF conducted emissions at the edges of the authorized bands were measured with the EUT set to low and high transmit frequencies in each available band. The channels closest to the band edges were selected. The measurement was made using a direct connection between the RF output of the EUT and the spectrum analyzer. The EUT was transmitting at the data rate(s) listed in the datasheet.

The spectrum was scanned below the lower band edge and above the higher band edge.

BAND EDGE COMPLIANCE

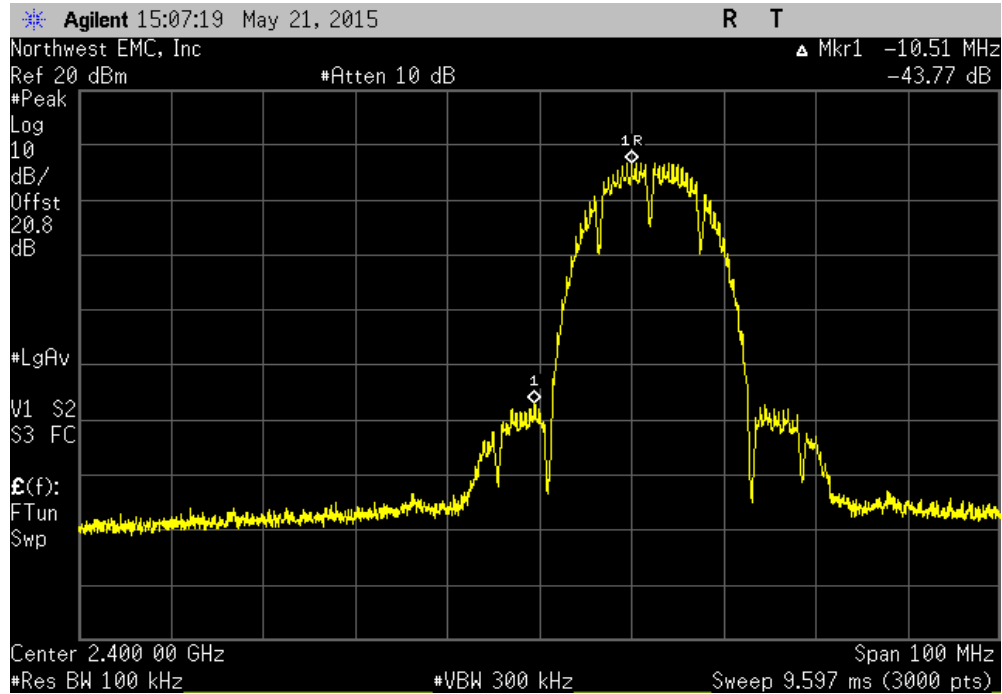


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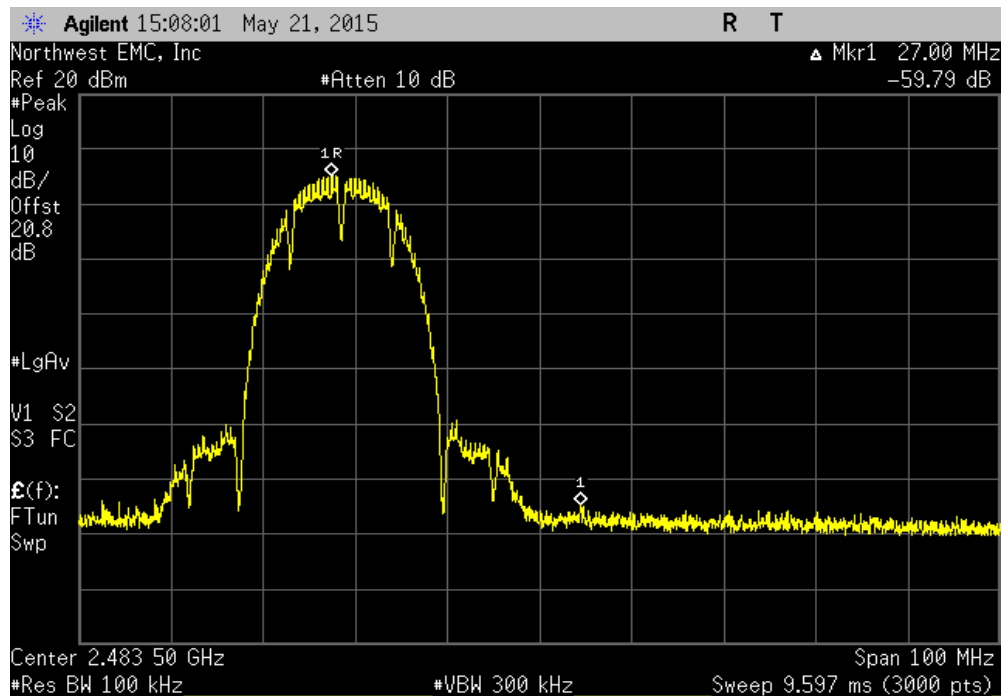
EUT: RLX2-IHNF		Work Order: PROS0222	
Serial Number: 000D8DF095CF		Date: 05/21/15	
Customer: ProSoft Technology, Inc.		Temperature: 25.0°C	
Attendees: None		Humidity: 43%	
Project: None		Barometric Pres.: 1023 mbar	
Tested by: Jonathan Kiefer Jeremiah Darden		Power: 120V/60Hz	
		Job Site: TX09	
TEST SPECIFICATIONS		Test Method	
FCC 15.247:2015		ANSI C63.10:2009	
COMMENTS			
Offset 20.8 dB (DC Block + 20dB Attenuator + Coax Cable) for 2.4 GHz. Tested the modulation types that produced the highest conducted output power for b,g, and n modes for each chain.			
DEVIATIONS FROM TEST STANDARD			
None			
Configuration #	1	Signature	
		Value (dBc)	Limit ≤ (dBc) Result
20 MHz			
Chain A			
802.11(b) 1 Mbps			
Low Channel 1, 2412 MHz		-43.77	-20 Pass
High Channel 11, 2462 MHz		-59.79	-20 Pass
802.11(g) 6 Mbps			
Low Channel 1, 2412 MHz		-27.6	-20 Pass
High Channel 11, 2462 MHz		-45.61	-20 Pass
802.11(n) MCS0			
Low Channel 1, 2412 MHz		-30.72	-20 Pass
High Channel 11, 2462 MHz		-52.18	-20 Pass
Chain B			
802.11(b) 11 Mbps			
Low Channel 1, 2412 MHz		-43.94	-20 Pass
High Channel 11, 2462 MHz		-59.64	-20 Pass
802.11(g) 6 Mbps			
Low Channel 1, 2412 MHz		-29.35	-20 Pass
High Channel 11, 2462 MHz		-46.53	-20 Pass
802.11(n) MCS7			
Low Channel 1, 2412 MHz		-31.65	-20 Pass
High Channel 11, 2462 MHz		-49.48	-20 Pass
Chain C			
802.11(b) 11 Mbps			
Low Channel 1, 2412 MHz		-43.34	-20 Pass
High Channel 11, 2462 MHz		-60.18	-20 Pass
802.11(g) 36 Mbps			
Low Channel 1, 2412 MHz		-30.52	-20 Pass
High Channel 11, 2462 MHz		-50.86	-20 Pass
802.11(n) MCS7			
Low Channel 1, 2412 MHz		-31.32	-20 Pass
High Channel 11, 2462 MHz		-52.73	-20 Pass

BAND EDGE COMPLIANCE

20 MHz, Chain A, 802.11(b) 1 Mbps, Low Channel 1, 2412 MHz						
				Value (dBc)	Limit ≤ (dBc)	Result
				-43.77	-20	Pass

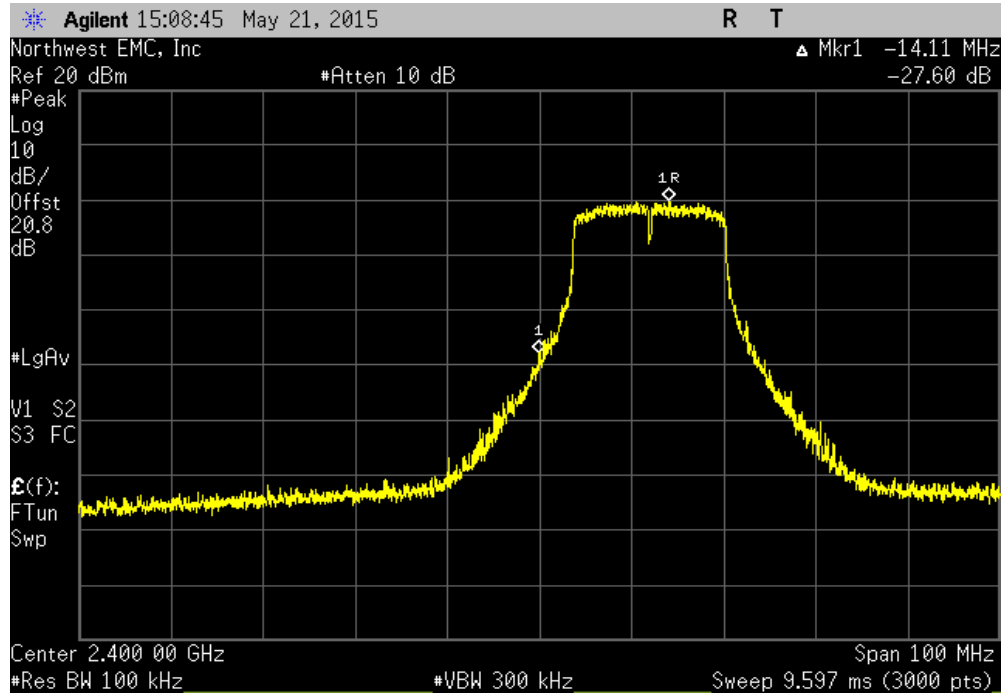


20 MHz, Chain A, 802.11(b) 1 Mbps, High Channel 11, 2462 MHz						
				Value (dBc)	Limit ≤ (dBc)	Result
				-59.79	-20	Pass

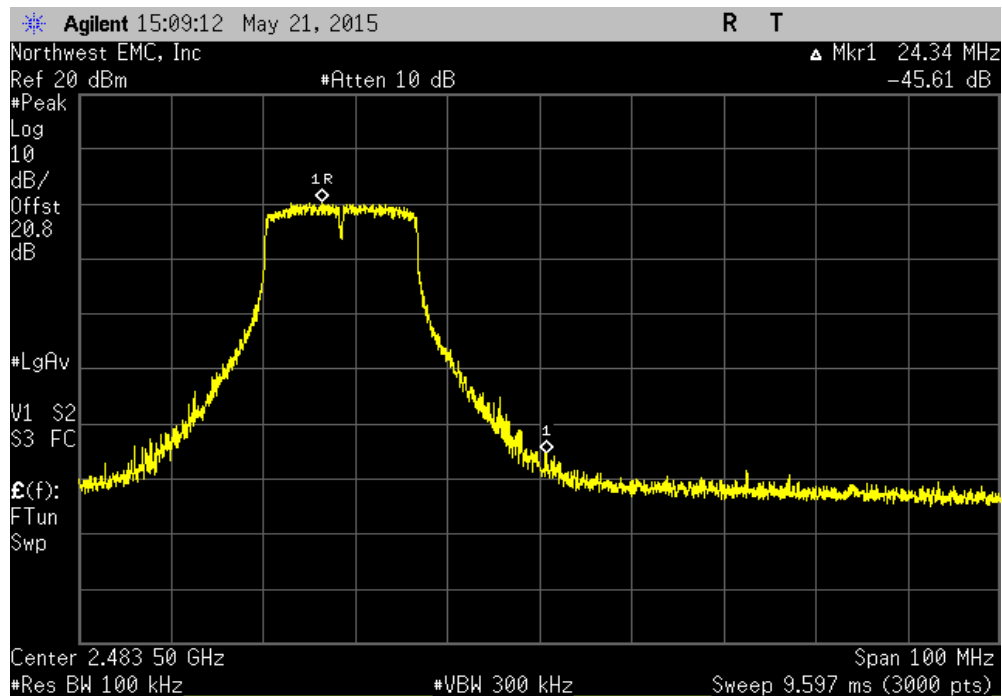


BAND EDGE COMPLIANCE

20 MHz, Chain A, 802.11(g) 6 Mbps, Low Channel 1, 2412 MHz						
				Value (dBc)	Limit ≤ (dBc)	Result
				-27.6	-20	Pass



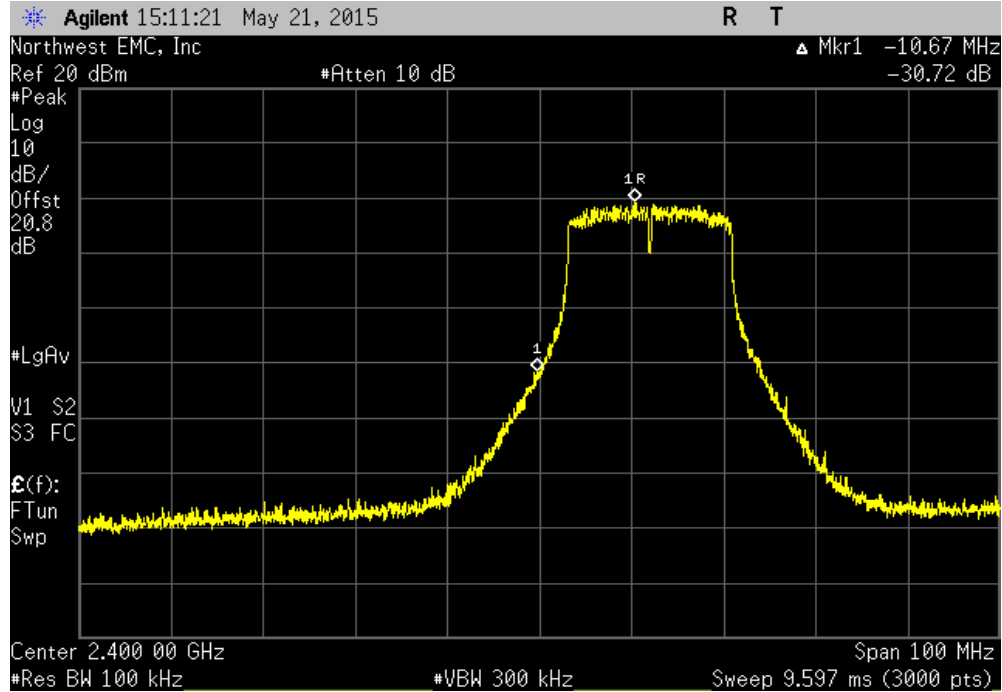
20 MHz, Chain A, 802.11(g) 6 Mbps, High Channel 11, 2462 MHz						
				Value (dBc)	Limit ≤ (dBc)	Result
				-45.61	-20	Pass



BAND EDGE COMPLIANCE

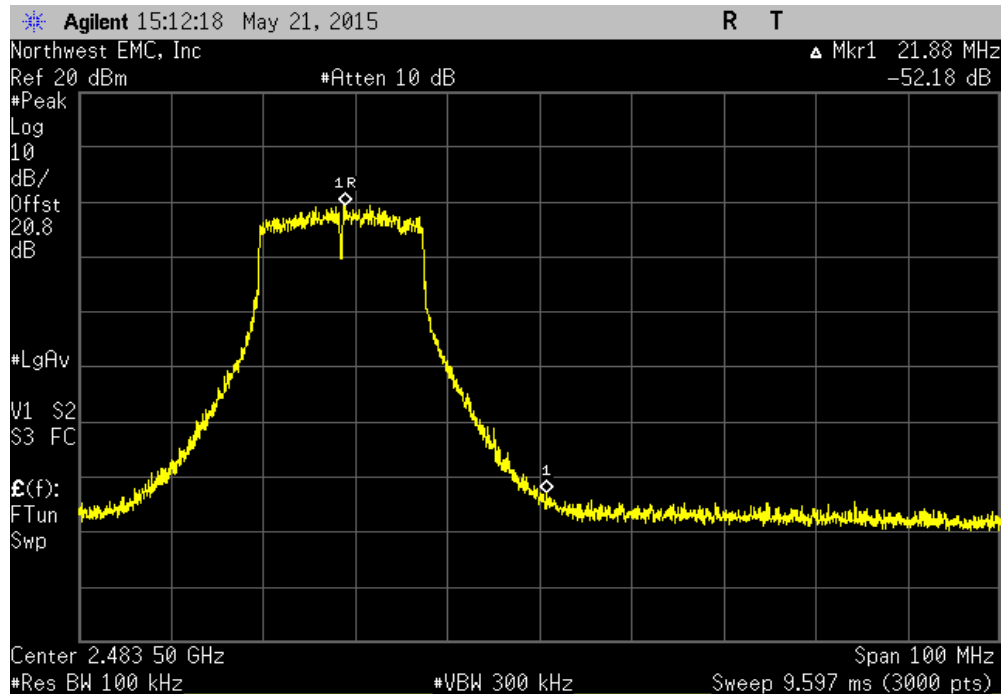
20 MHz, Chain A, 802.11(n) MCS0, Low Channel 1, 2412 MHz

Value (dBc)	Limit ≤ (dBc)	Result
-30.72	-20	Pass



20 MHz, Chain A, 802.11(n) MCS0, High Channel 11, 2462 MHz

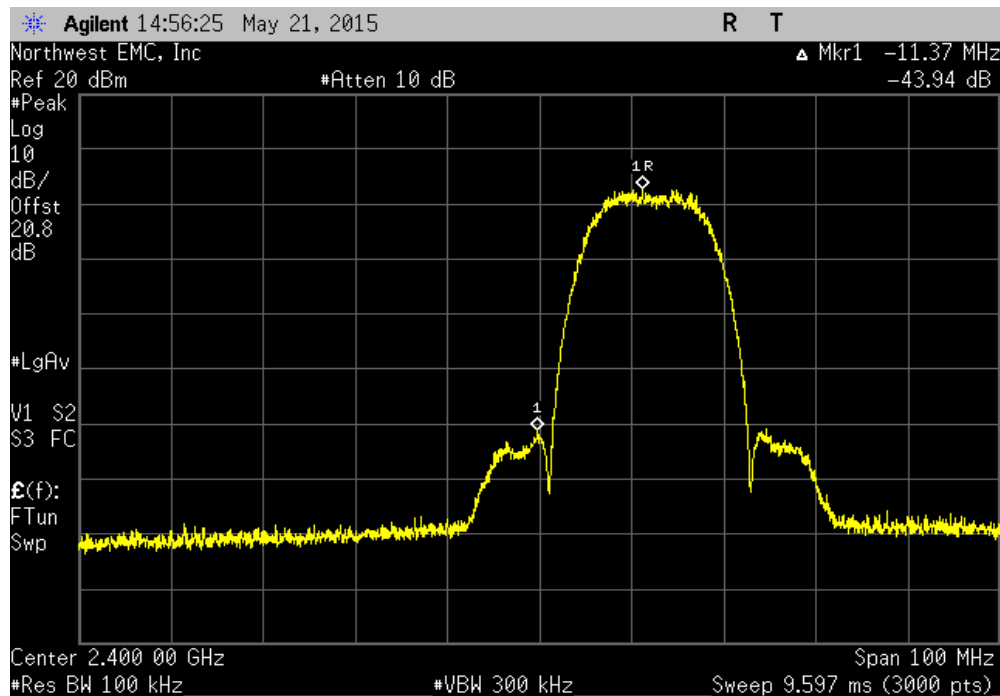
Value (dBc)	Limit ≤ (dBc)	Result
-52.18	-20	Pass



BAND EDGE COMPLIANCE

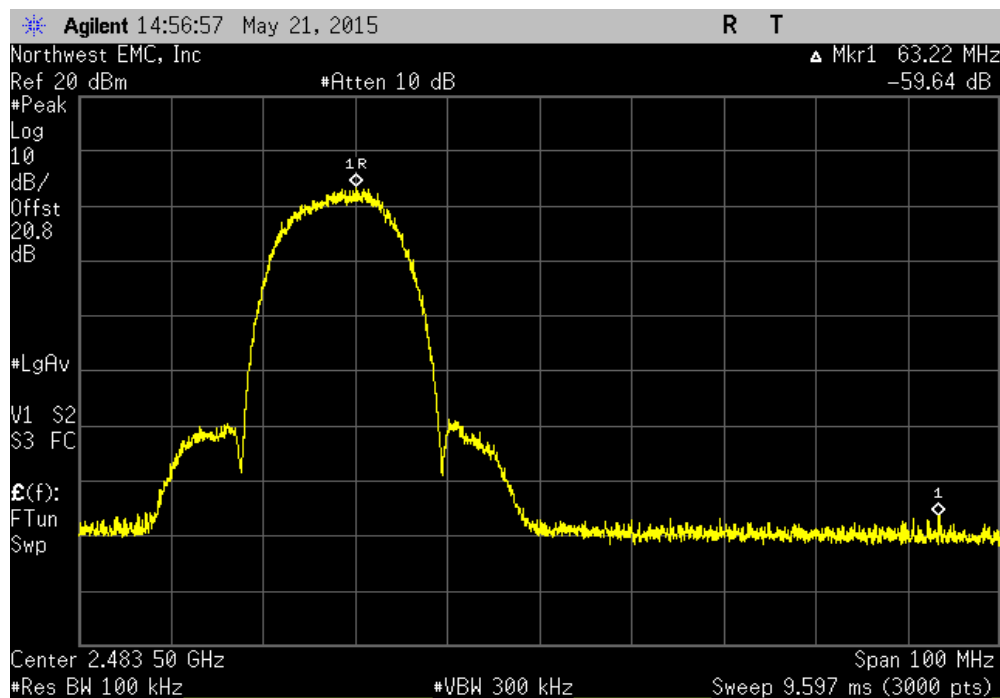
20 MHz, Chain B, 802.11(b) 11 Mbps, Low Channel 1, 2412 MHz

	Value (dBc)	Limit ≤ (dBc)	Result
	-43.94	-20	Pass



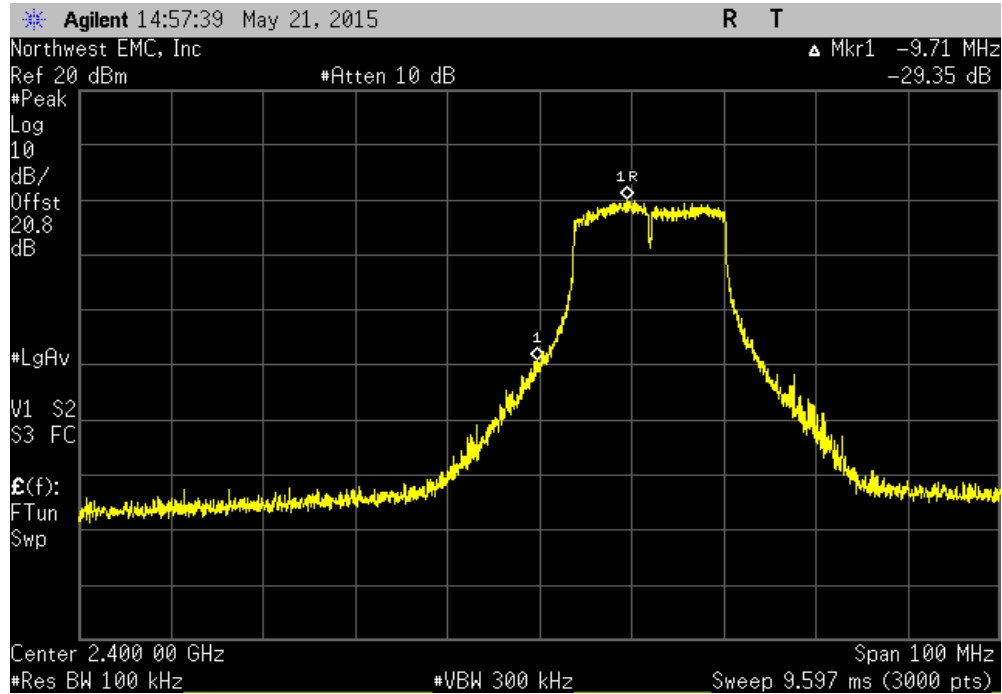
20 MHz, Chain B, 802.11(b) 11 Mbps, High Channel 11, 2462 MHz

	Value (dBc)	Limit ≤ (dBc)	Result
	-59.64	-20	Pass

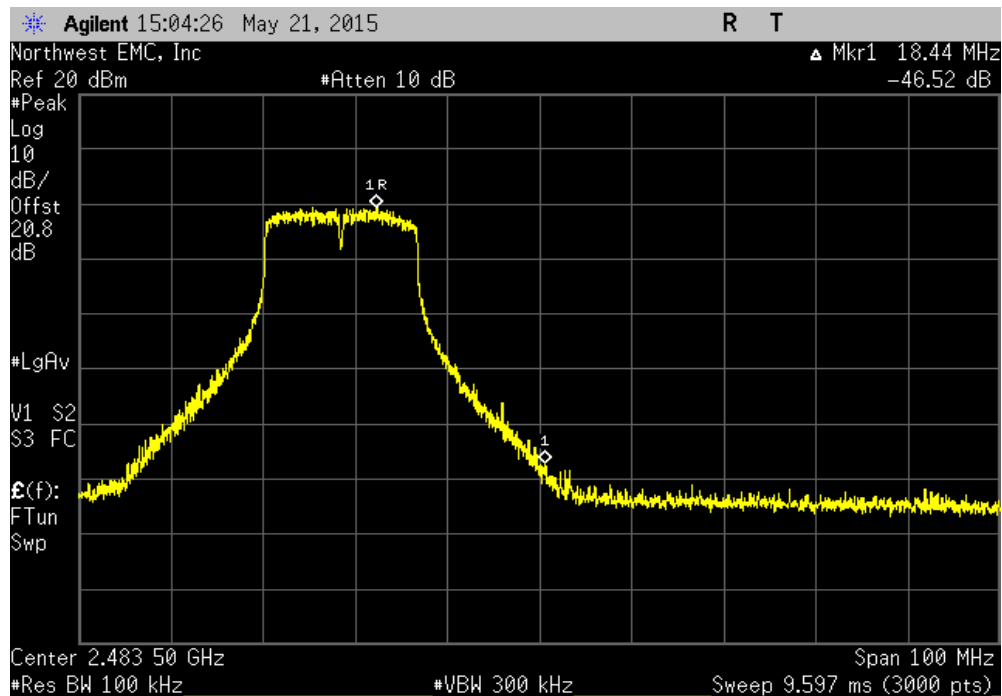


BAND EDGE COMPLIANCE

20 MHz, Chain B, 802.11(g) 6 Mbps, Low Channel 1, 2412 MHz						
				Value (dBc)	Limit ≤ (dBc)	Result
				-29.35	-20	Pass



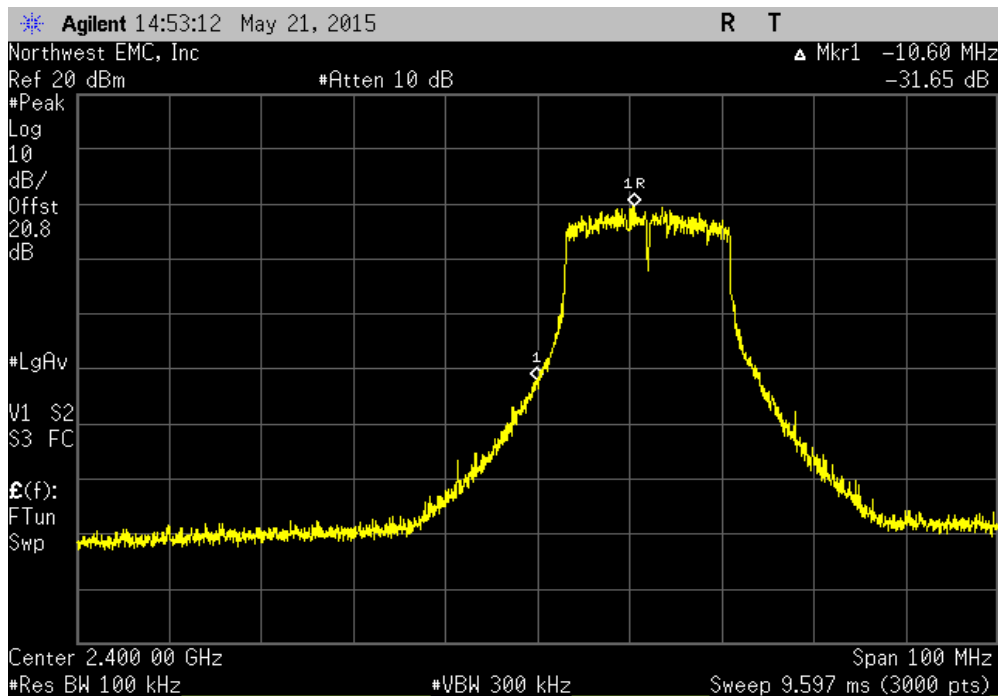
20 MHz, Chain B, 802.11(g) 6 Mbps, High Channel 11, 2462 MHz						
				Value (dBc)	Limit ≤ (dBc)	Result
				-46.53	-20	Pass



BAND EDGE COMPLIANCE

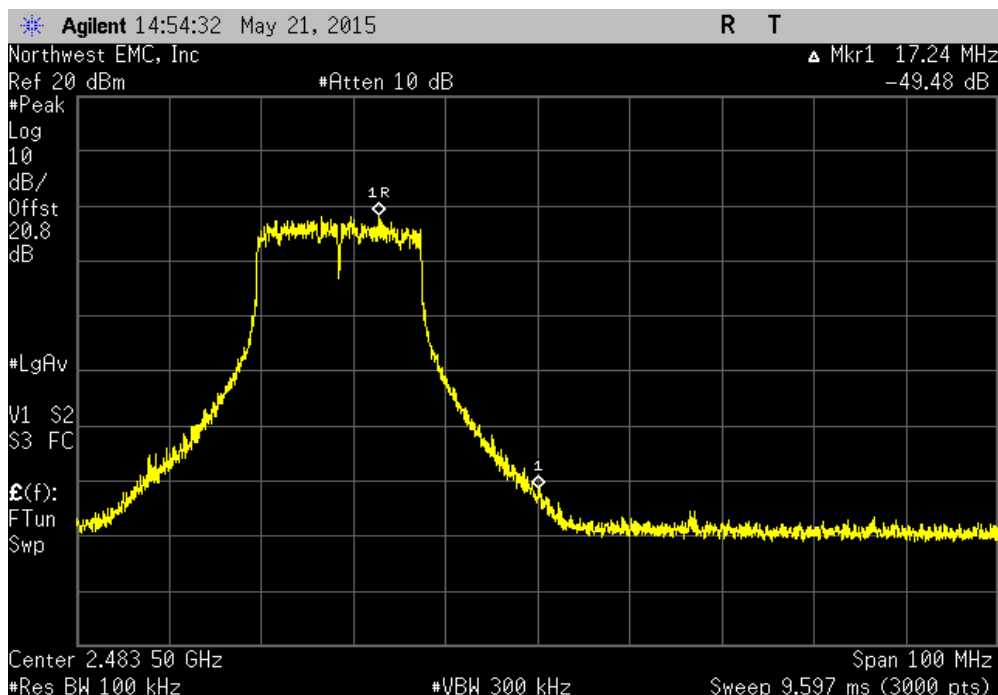
20 MHz, Chain B, 802.11(n) MCS7, Low Channel 1, 2412 MHz

Value (dBc)	Limit ≤ (dBc)	Result
-31.65	-20	Pass



20 MHz, Chain B, 802.11(n) MCS7, High Channel 11, 2462 MHz

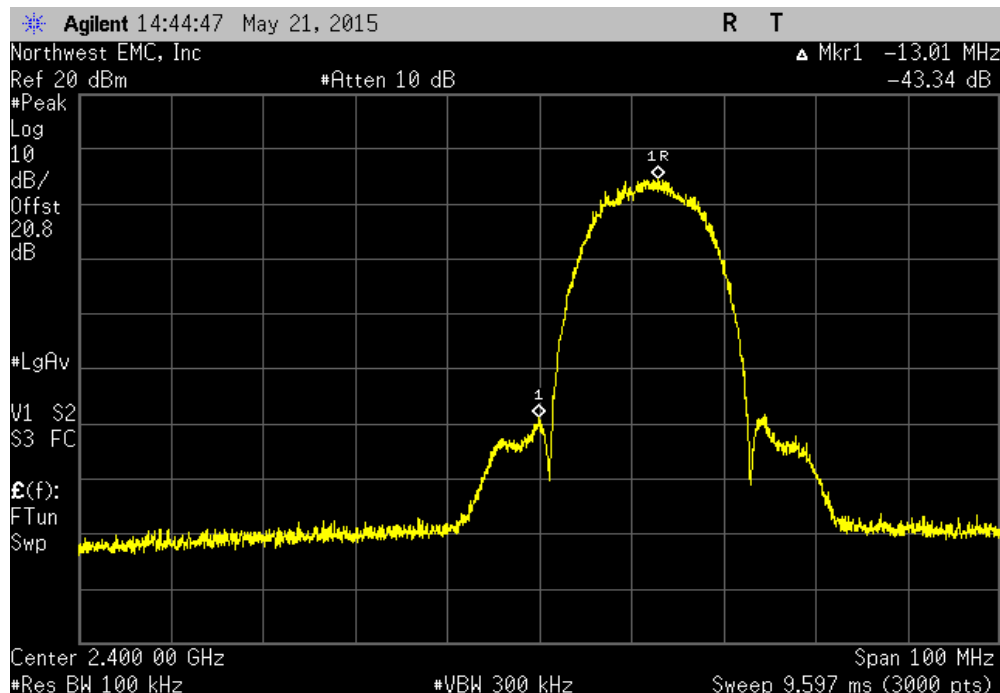
Value (dBc)	Limit ≤ (dBc)	Result
-49.48	-20	Pass



BAND EDGE COMPLIANCE

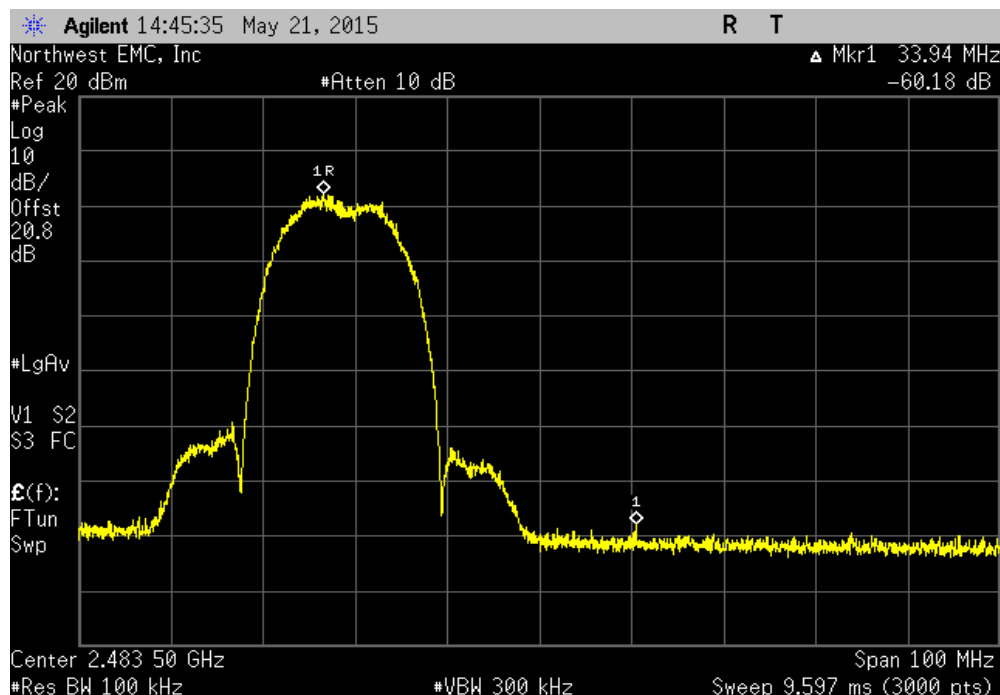
20 MHz, Chain C, 802.11(b) 11 Mbps, Low Channel 1, 2412 MHz

	Value (dBc)	Limit ≤ (dBc)	Result
	-43.34	-20	Pass



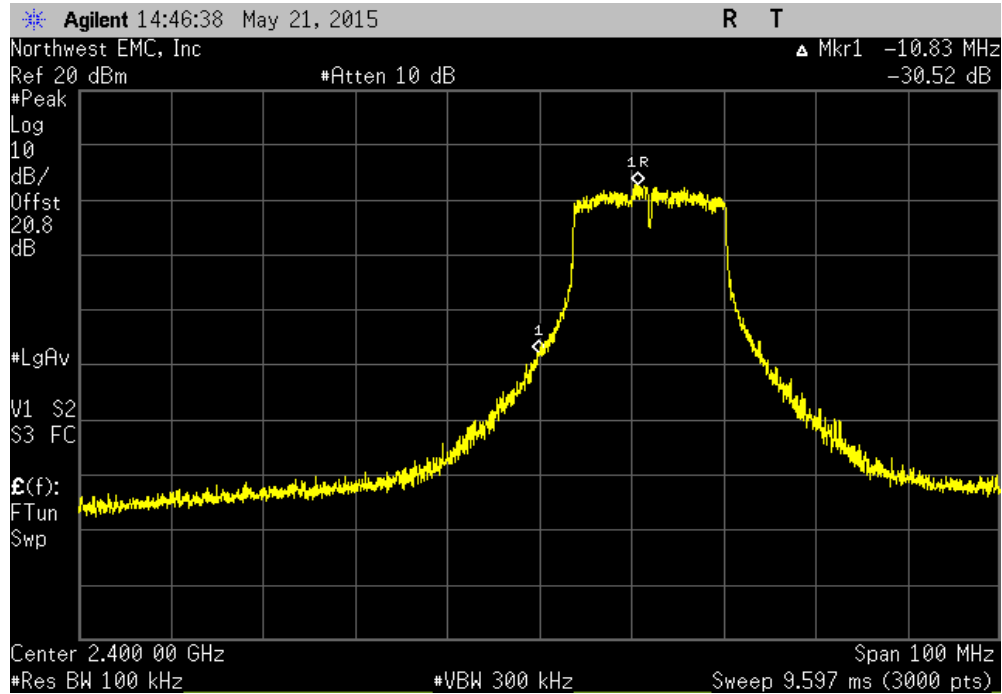
20 MHz, Chain C, 802.11(b) 11 Mbps, High Channel 11, 2462 MHz

	Value (dBc)	Limit ≤ (dBc)	Result
	-60.18	-20	Pass

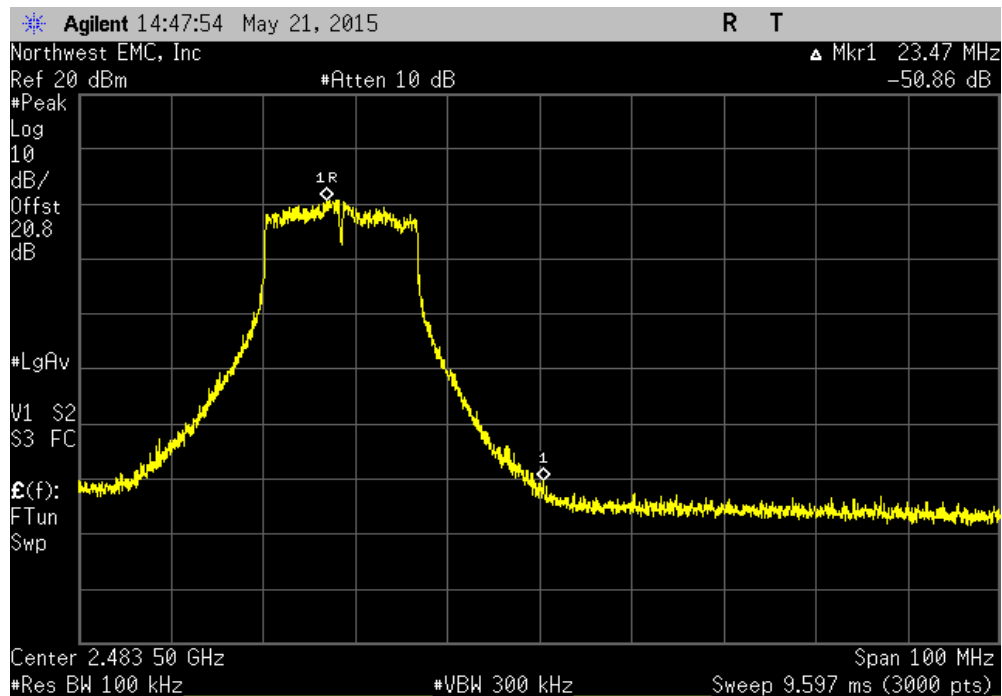


BAND EDGE COMPLIANCE

20 MHz, Chain C, 802.11(g) 36 Mbps, Low Channel 1, 2412 MHz						
				Value (dBc)	Limit ≤ (dBc)	Result
				-30.52	-20	Pass

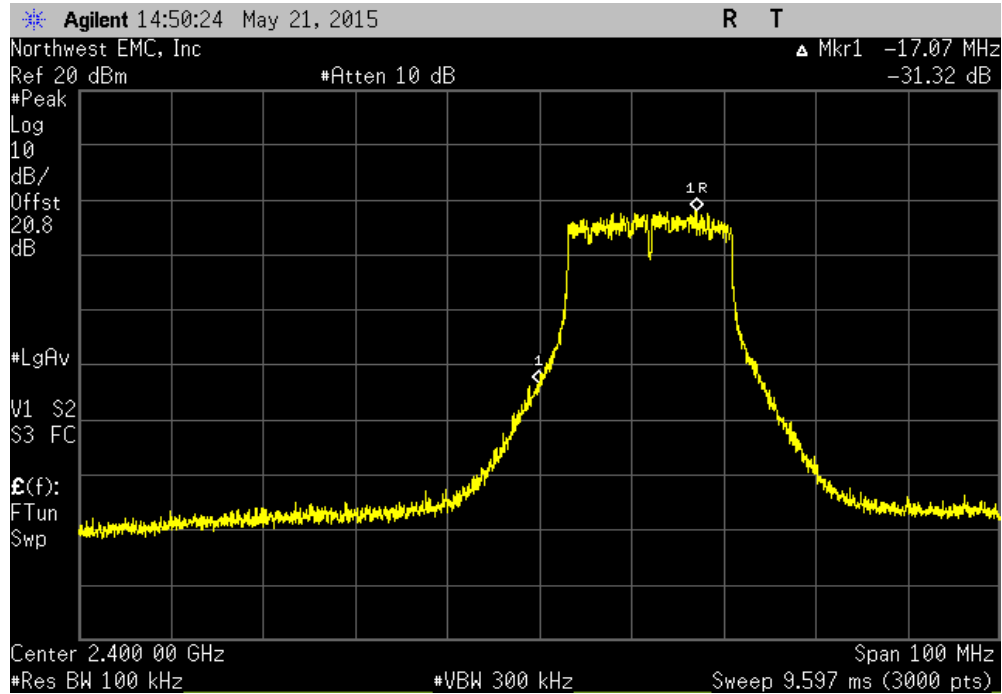


20 MHz, Chain C, 802.11(g) 36 Mbps, High Channel 11, 2462 MHz						
				Value (dBc)	Limit ≤ (dBc)	Result
				-50.86	-20	Pass

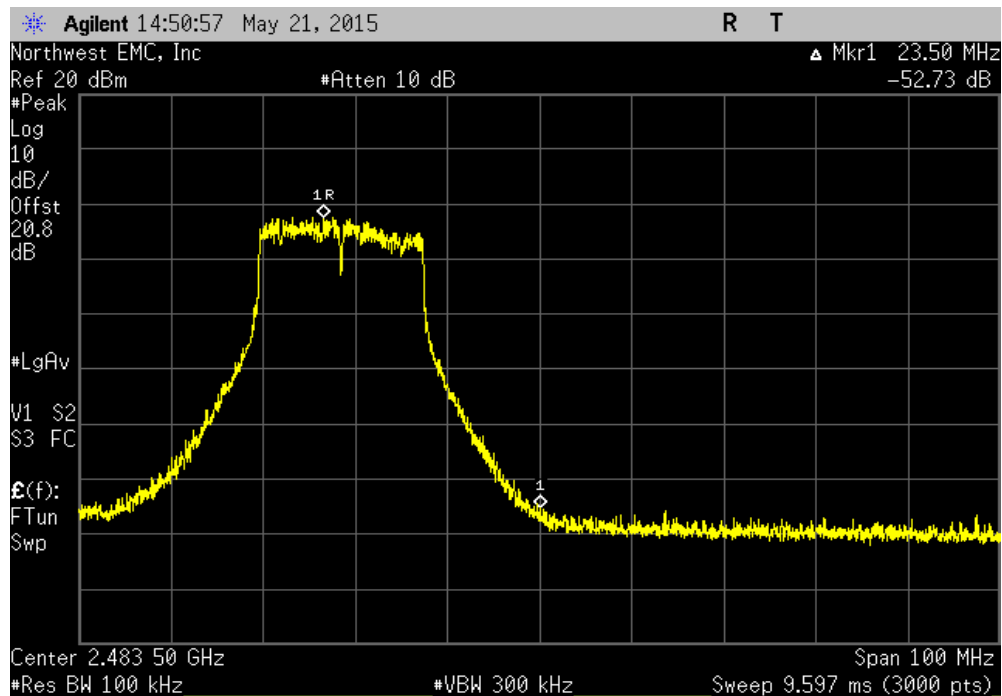


BAND EDGE COMPLIANCE

20 MHz, Chain C, 802.11(n) MCS7, Low Channel 1, 2412 MHz						
				Value (dBc)	Limit ≤ (dBc)	Result
				-31.32	-20	Pass



20 MHz, Chain C, 802.11(n) MCS7, High Channel 11, 2462 MHz						
				Value (dBc)	Limit ≤ (dBc)	Result
				-52.73	-20	Pass



BAND EDGE COMPLIANCE

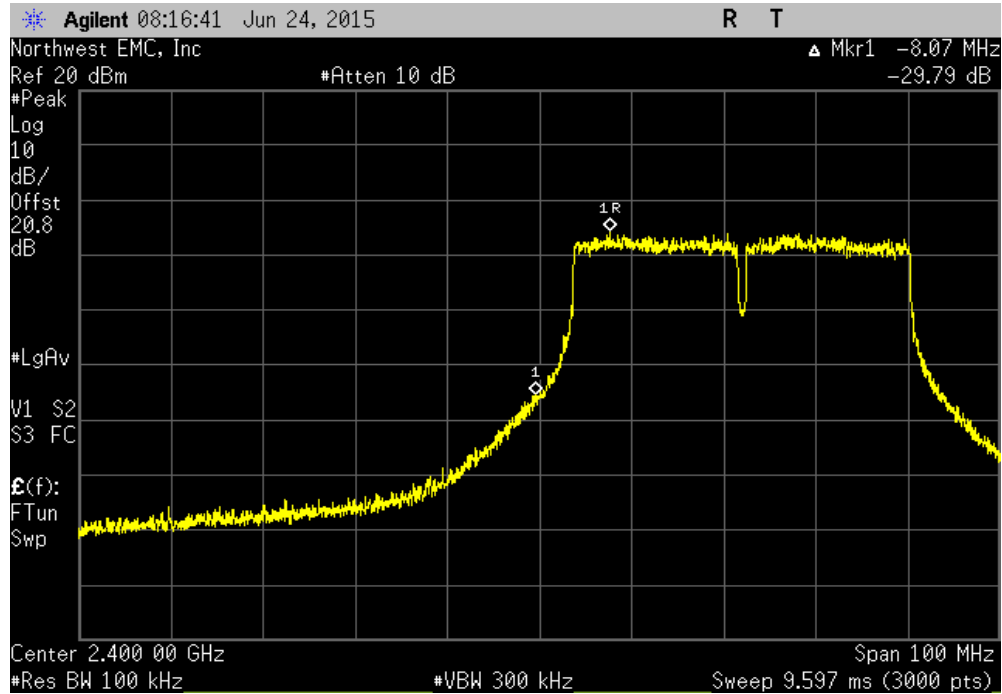


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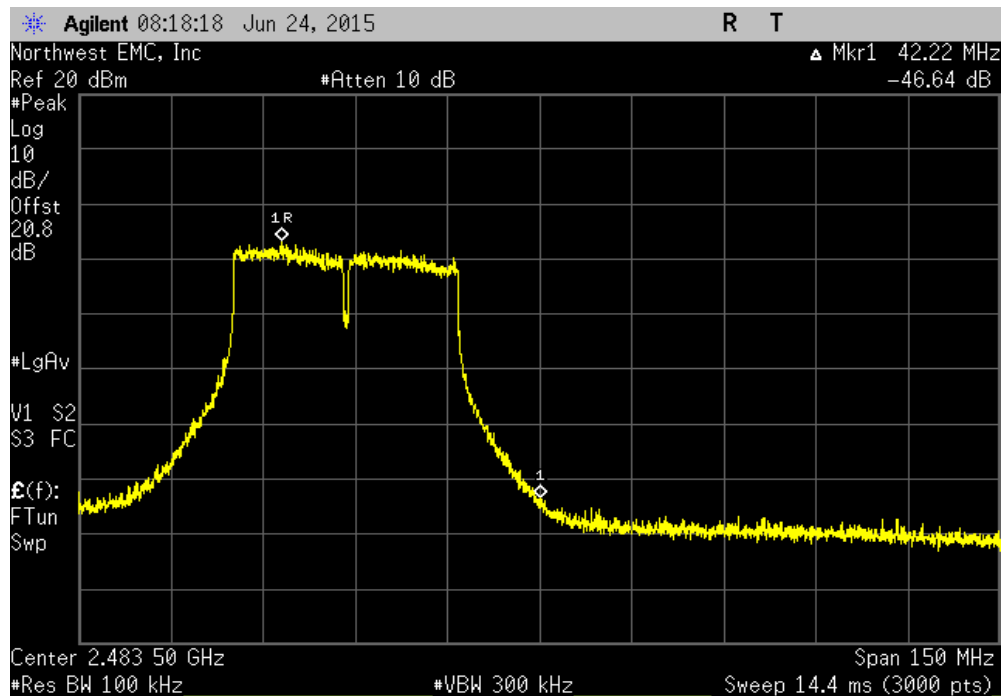
EUT: RLX2-IHNF		Work Order: PROS0222	
Serial Number: 000D8DF095CF		Date: 06/24/15	
Customer: ProSoft Technology, Inc.		Temperature: 25°C	
Attendees: None		Humidity: 43%	
Project: None		Barometric Pres.: 1023 mbar	
Tested by: Jonathan Kiefer, Jeremiah Darden		Power: 120V/60Hz	
		Job Site: TX09	
TEST SPECIFICATIONS		Test Method	
FCC 15.247:2015		ANSI C63.10:2009	
COMMENTS			
Offset 20.8 dB (DC Block + 20dB Attenuator + Coax Cable) for 2.4 GHz. Tested the modulation types that produced the highest conducted output power for b,g, and n modes for each chain.			
DEVIATIONS FROM TEST STANDARD			
None			
Configuration #	1	Signature 	
		Value (dBc)	Limit ≤ (dBc) Result
40 MHz			
Chain C			
802.11(n) MCS7			
Low Channel 1, 2422 MHz		-29.79	-20 Pass
High Channel 11, 2452 MHz		-46.64	-20 Pass
Chain B			
802.11(n) MCS0			
Low Channel 1, 2422 MHz		-27.52	-20 Pass
High Channel 11, 2452 MHz		-42.59	-20 Pass
Chain A			
802.11(n) MCS7			
Low Channel 1, 2422 MHz		-29.44	-20 Pass
High Channel 11, 2452 MHz		-42.86	-20 Pass

BAND EDGE COMPLIANCE

40 MHz, Chain C, 802.11(n) MCS7, Low Channel 1, 2422 MHz						
				Value (dBc)	Limit ≤ (dBc)	Result
				-29.79	-20	Pass

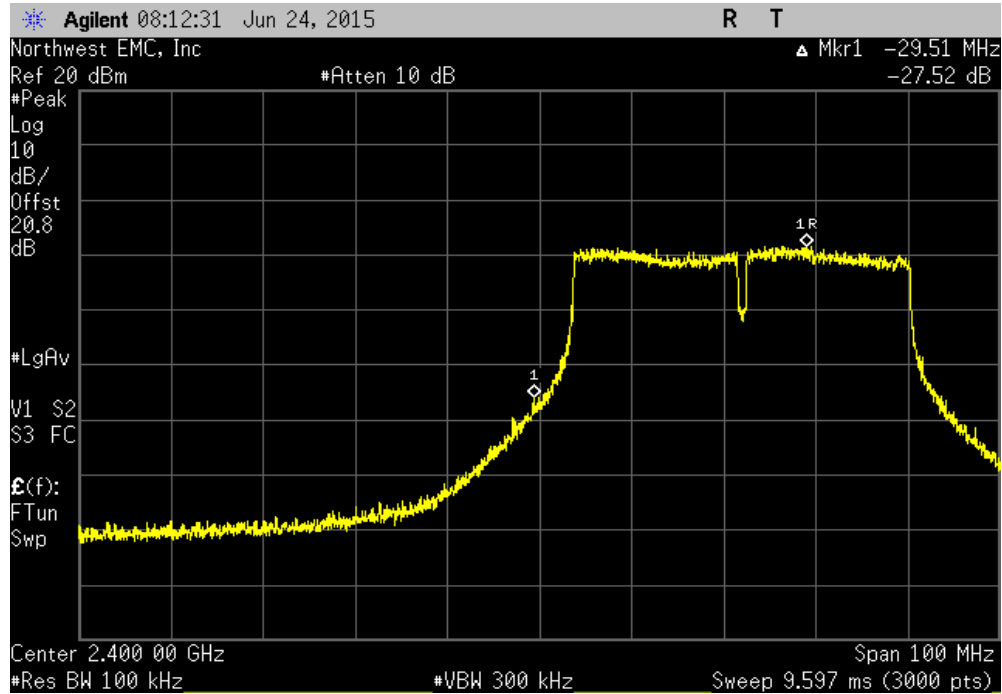


40 MHz, Chain C, 802.11(n) MCS7, High Channel 11, 2452 MHz						
				Value (dBc)	Limit ≤ (dBc)	Result
				-46.64	-20	Pass

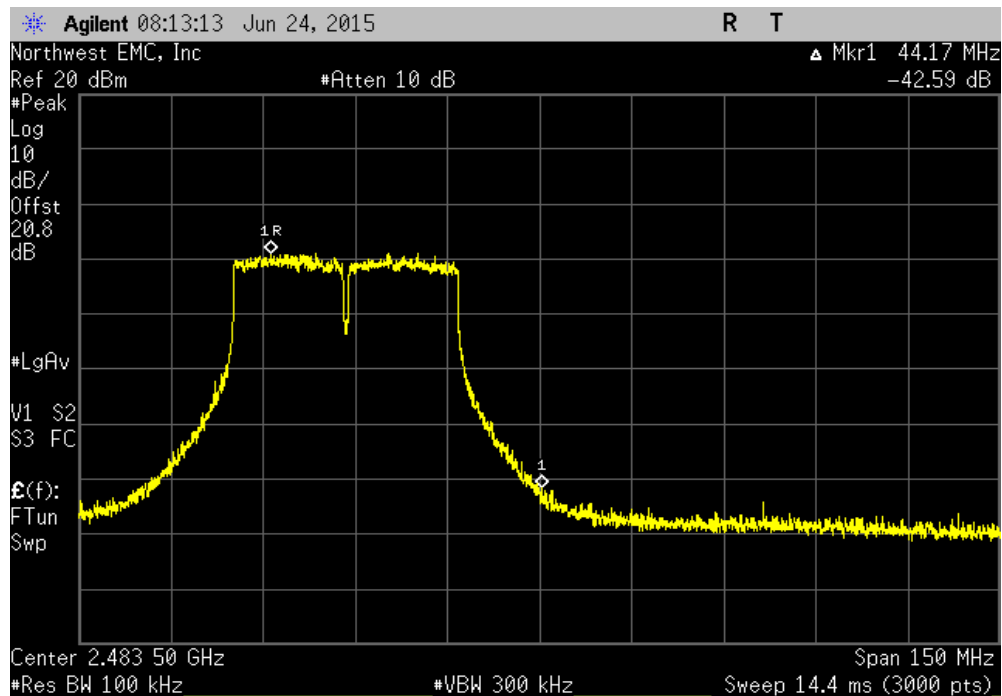


BAND EDGE COMPLIANCE

40 MHz, Chain B, 802.11(n) MCS0, Low Channel 1, 2422 MHz						
				Value (dBc)	Limit ≤ (dBc)	Result
				-27.52	-20	Pass

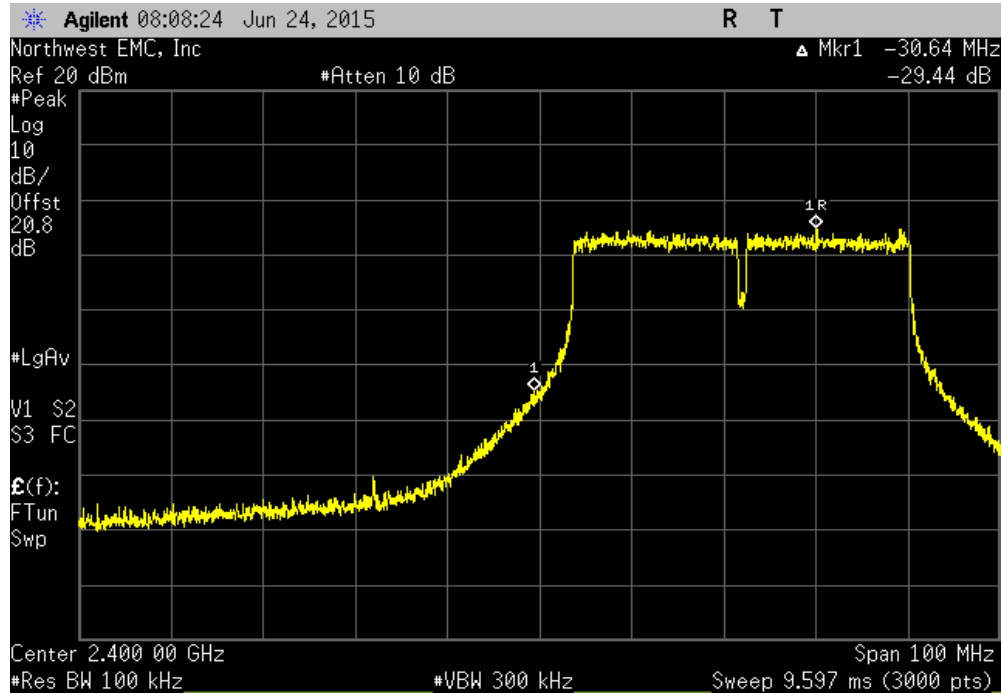


40 MHz, Chain B, 802.11(n) MCS0, High Channel 11, 2452 MHz						
				Value (dBc)	Limit ≤ (dBc)	Result
				-42.59	-20	Pass

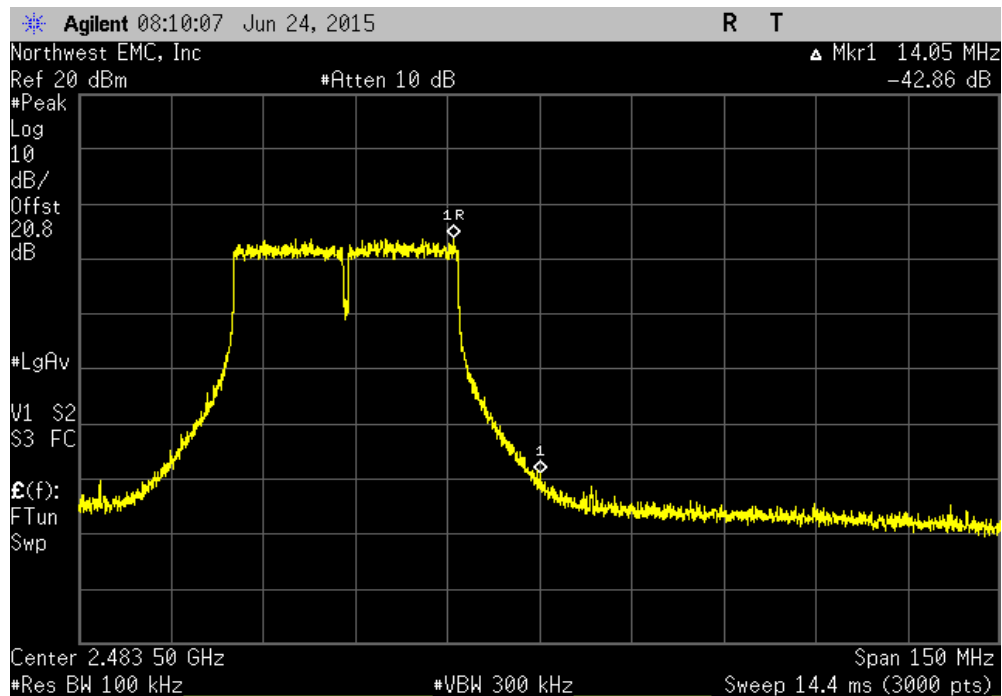


BAND EDGE COMPLIANCE

40 MHz, Chain A, 802.11(n) MCS7, Low Channel 1, 2422 MHz						
				Value (dBc)	Limit ≤ (dBc)	Result
				-29.44	-20	Pass



40 MHz, Chain A, 802.11(n) MCS7, High Channel 11, 2452 MHz						
				Value (dBc)	Limit ≤ (dBc)	Result
				-42.86	-20	Pass



SPURIOUS CONDUCTED EMISSIONS

Testing was performed using the mode(s) of operation and configuration(s) noted within the report. The individuals and/or the organization requesting the test provided the modes, configurations and settings used to complete the evaluation. The actual test parameters are specified in the test data, this includes items such as investigated frequency range (scanned) and test levels. The testing methods and performance specifications, as well as the test site used for the evaluation are indicated in the test data.

TEST EQUIPMENT

Description	Manufacturer	Model	ID	Last Cal.	Interval (mo)
Signal Generator, 40 GHz	Agilent	N5173B	TIW	7/15/2014	36
DC Block, 40 GHz	Fairview Microwave	SD3379	AMM	2/27/2015	12
Attenuator, 20dB, 40 GHz	Fairview Microwave	SA4018-20	TQY	2/27/2015	12
Spectrum Analyzer	Agilent	E4440A	AFD	7/14/2014	12

TEST DESCRIPTION

The spurious RF conducted emissions were measured with the EUT set to low, medium and high transmit frequencies. The measurements were made using a direct connection between the RF output of the EUT and the spectrum analyzer. The EUT was transmitting at the data rate(s) listed in the datasheet. For each transmit frequency, the spectrum was scanned throughout the specified frequency range.

SPURIOUS CONDUCTED EMISSIONS

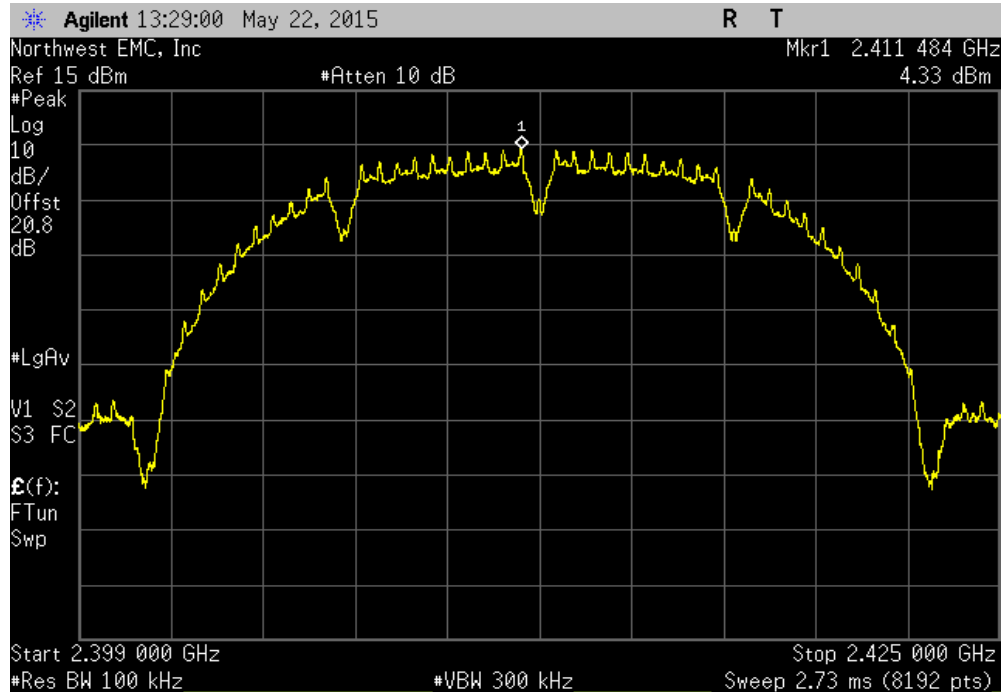


XMR 2015.01.14

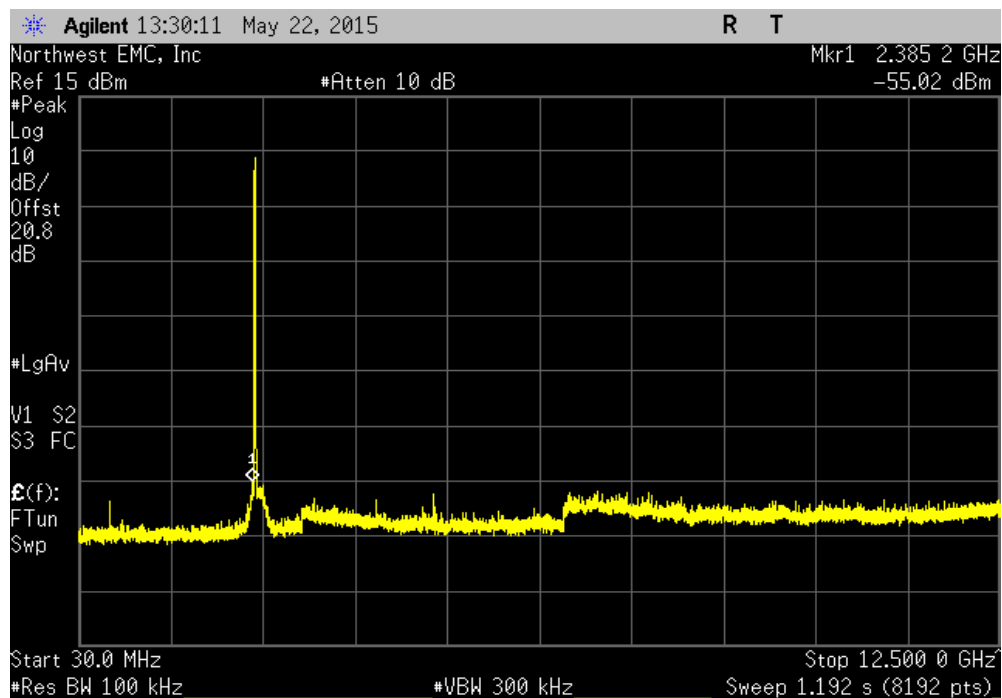
EUT:	RLX2-IHNF	Work Order:	PROS0222		
Serial Number:	000D8DF095CF	Date:	05/22/15		
Customer:	ProSoft Technology, Inc.	Temperature:	24.4°C		
Attendees:	None	Humidity:	44%		
Project:	None	Barometric Pres.:	1021 mbar		
Tested by:	Jonathan Kiefer, Jeremiah Darden	Power:	120V/60Hz		
		Job Site:	TX09		
TEST SPECIFICATIONS		Test Method			
FCC 15.247:2015		ANSI C63.10:2009			
COMMENTS					
Offset 20.8 dB (DC Block + 20dB Attenuator + Coax Cable) for 2.4 GHz. Tested the modulation types that produced the highest conducted output power for b,g, and n modes for each chain.					
DEVIATIONS FROM TEST STANDARD					
None					
Configuration #	1	Signature 			
		Frequency Range	Value (dBc)	Limit ≤ (dBc)	Result
20 MHz					
Chain A					
802.11(b) 1 Mbps					
Low Channel 1, 2412 MHz		Fundamental	N/A	N/A	N/A
Low Channel 1, 2412 MHz		30 MHz - 12.5 GHz	-59.35	-20	Pass
Low Channel 1, 2412 MHz		12.5 GHz - 25 GHz	-58.18	-20	Pass
Mid Channel 6, 2437 MHz		Fundamental	N/A	N/A	N/A
Mid Channel 6, 2437 MHz		30 MHz - 12.5 GHz	-61.77	-20	Pass
Mid Channel 6, 2437 MHz		12.5 GHz - 25 GHz	-58.76	-20	Pass
High Channel 11, 2462 MHz		Fundamental	N/A	N/A	N/A
High Channel 11, 2462 MHz		30 MHz - 12.5 GHz	-61.73	-20	Pass
High Channel 11, 2462 MHz		12.5 GHz - 25 GHz	-59.11	-20	Pass
802.11(g) 6 Mbps					
Low Channel 1, 2412 MHz		Fundamental	N/A	N/A	N/A
Low Channel 1, 2412 MHz		30 MHz - 12.5 GHz	-49.93	-20	Pass
Low Channel 1, 2412 MHz		12.5 GHz - 25 GHz	-53.06	-20	Pass
Mid Channel 6, 2437 MHz		Fundamental	N/A	N/A	N/A
Mid Channel 6, 2437 MHz		30 MHz - 12.5 GHz	-53.21	-20	Pass
Mid Channel 6, 2437 MHz		12.5 GHz - 25 GHz	-55.96	-20	Pass
High Channel 11, 2462 MHz		Fundamental	N/A	N/A	N/A
High Channel 11, 2462 MHz		30 MHz - 12.5 GHz	-52.7	-20	Pass
High Channel 11, 2462 MHz		12.5 GHz - 25 GHz	-55.82	-20	Pass
802.11(n) MCS0					
Low Channel 1, 2412 MHz		Fundamental	N/A	N/A	N/A
Low Channel 1, 2412 MHz		30 MHz - 12.5 GHz	-52.38	-20	Pass
Low Channel 1, 2412 MHz		12.5 GHz - 25 GHz	-51.06	-20	Pass
Mid Channel 6, 2437 MHz		Fundamental	N/A	N/A	N/A
Mid Channel 6, 2437 MHz		30 MHz - 12.5 GHz	-54.57	-20	Pass
Mid Channel 6, 2437 MHz		12.5 GHz - 25 GHz	-51.86	-20	Pass
High Channel 11, 2462 MHz		Fundamental	N/A	N/A	N/A
High Channel 11, 2462 MHz		30 MHz - 12.5 GHz	-53.45	-20	Pass
High Channel 11, 2462 MHz		12.5 GHz - 25 GHz	-52.92	-20	Pass
Chain B					
802.11(b) 11 Mbps					
Low Channel 1, 2412 MHz		Fundamental	N/A	N/A	N/A
Low Channel 1, 2412 MHz		30 MHz - 12.5 GHz	-59.61	-20	Pass
Low Channel 1, 2412 MHz		12.5 GHz - 25 GHz	-56.98	-20	Pass
Mid Channel 6, 2437 MHz		Fundamental	N/A	N/A	N/A
Mid Channel 6, 2437 MHz		30 MHz - 12.5 GHz	-62.61	-20	Pass
Mid Channel 6, 2437 MHz		12.5 GHz - 25 GHz	-59.15	-20	Pass
High Channel 11, 2462 MHz		Fundamental	N/A	N/A	N/A
High Channel 11, 2462 MHz		30 MHz - 12.5 GHz	-59.84	-20	Pass
High Channel 11, 2462 MHz		12.5 GHz - 25 GHz	-57.31	-20	Pass
802.11(g) 6 Mbps					
Low Channel 1, 2412 MHz		Fundamental	N/A	N/A	N/A
Low Channel 1, 2412 MHz		30 MHz - 12.5 GHz	-52.41	-20	Pass
Low Channel 1, 2412 MHz		12.5 GHz - 25 GHz	-52.2	-20	Pass
Mid Channel 6, 2437 MHz		Fundamental	N/A	N/A	N/A
Mid Channel 6, 2437 MHz		30 MHz - 12.5 GHz	-53.82	-20	Pass
Mid Channel 6, 2437 MHz		12.5 GHz - 25 GHz	-54.6	-20	Pass
High Channel 11, 2462 MHz		Fundamental	N/A	N/A	N/A
High Channel 11, 2462 MHz		30 MHz - 12.5 GHz	-53.04	-20	Pass
High Channel 11, 2462 MHz		12.5 GHz - 25 GHz	-53.77	-20	Pass
802.11(n) MCS7					
Low Channel 1, 2412 MHz		Fundamental	N/A	N/A	N/A
Low Channel 1, 2412 MHz		30 MHz - 12.5 GHz	-52.83	-20	Pass
Low Channel 1, 2412 MHz		12.5 GHz - 25 GHz	-50.51	-20	Pass
Mid Channel 6, 2437 MHz		Fundamental	N/A	N/A	N/A
Mid Channel 6, 2437 MHz		30 MHz - 12.5 GHz	-55.36	-20	Pass
Mid Channel 6, 2437 MHz		12.5 GHz - 25 GHz	-50.6	-20	Pass
High Channel 11, 2462 MHz		Fundamental	N/A	N/A	N/A
High Channel 11, 2462 MHz		30 MHz - 12.5 GHz	-54.89	-20	Pass
High Channel 11, 2462 MHz		12.5 GHz - 25 GHz	-51.84	-20	Pass
Chain C					
802.11(b) 11 Mbps					
Low Channel 1, 2412 MHz		Fundamental	N/A	N/A	N/A
Low Channel 1, 2412 MHz		30 MHz - 12.5 GHz	-59.69	-20	Pass
Low Channel 1, 2412 MHz		12.5 GHz - 25 GHz	-56.98	-20	Pass
Mid Channel 6, 2437 MHz		Fundamental	N/A	N/A	N/A
Mid Channel 6, 2437 MHz		30 MHz - 12.5 GHz	-61.92	-20	Pass
Mid Channel 6, 2437 MHz		12.5 GHz - 25 GHz	-57.37	-20	Pass
High Channel 11, 2462 MHz		Fundamental	N/A	N/A	N/A
High Channel 11, 2462 MHz		30 MHz - 12.5 GHz	-58.91	-20	Pass
High Channel 11, 2462 MHz		12.5 GHz - 25 GHz	-55.03	-20	Pass
802.11(g) 36 Mbps					
Low Channel 1, 2412 MHz		Fundamental	N/A	N/A	N/A
Low Channel 1, 2412 MHz		30 MHz - 12.5 GHz	-51.69	-20	Pass
Low Channel 1, 2412 MHz		12.5 GHz - 25 GHz	-56.37	-20	Pass
Mid Channel 6, 2437 MHz		Fundamental	N/A	N/A	N/A
Mid Channel 6, 2437 MHz		30 MHz - 12.5 GHz	-52.32	-20	Pass
Mid Channel 6, 2437 MHz		12.5 GHz - 25 GHz	-55.81	-20	Pass
High Channel 11, 2462 MHz		Fundamental	N/A	N/A	N/A
High Channel 11, 2462 MHz		30 MHz - 12.5 GHz	-52.2	-20	Pass
High Channel 11, 2462 MHz		12.5 GHz - 25 GHz	-54.71	-20	Pass
802.11(n) MCS7					
Low Channel 1, 2412 MHz		Fundamental	N/A	N/A	N/A
Low Channel 1, 2412 MHz		30 MHz - 12.5 GHz	-53.07	-20	Pass
Low Channel 1, 2412 MHz		12.5 GHz - 25 GHz	-51.21	-20	Pass
Mid Channel 6, 2437 MHz		Fundamental	N/A	N/A	N/A
Mid Channel 6, 2437 MHz		30 MHz - 12.5 GHz	-53.64	-20	Pass
Mid Channel 6, 2437 MHz		12.5 GHz - 25 GHz	-52.42	-20	Pass
High Channel 11, 2462 MHz		Fundamental	N/A	N/A	N/A
High Channel 11, 2462 MHz		30 MHz - 12.5 GHz	-52.41	-20	Pass
High Channel 11, 2462 MHz		12.5 GHz - 25 GHz	-52.3	-20	Pass

SPURIOUS CONDUCTED EMISSIONS

20 MHz, Chain A, 802.11(b) 1 Mbps, Low Channel 1, 2412 MHz						
Frequency Range		Value (dBc)	Limit ≤ (dBc)	Result		
Fundamental		N/A	N/A	N/A		

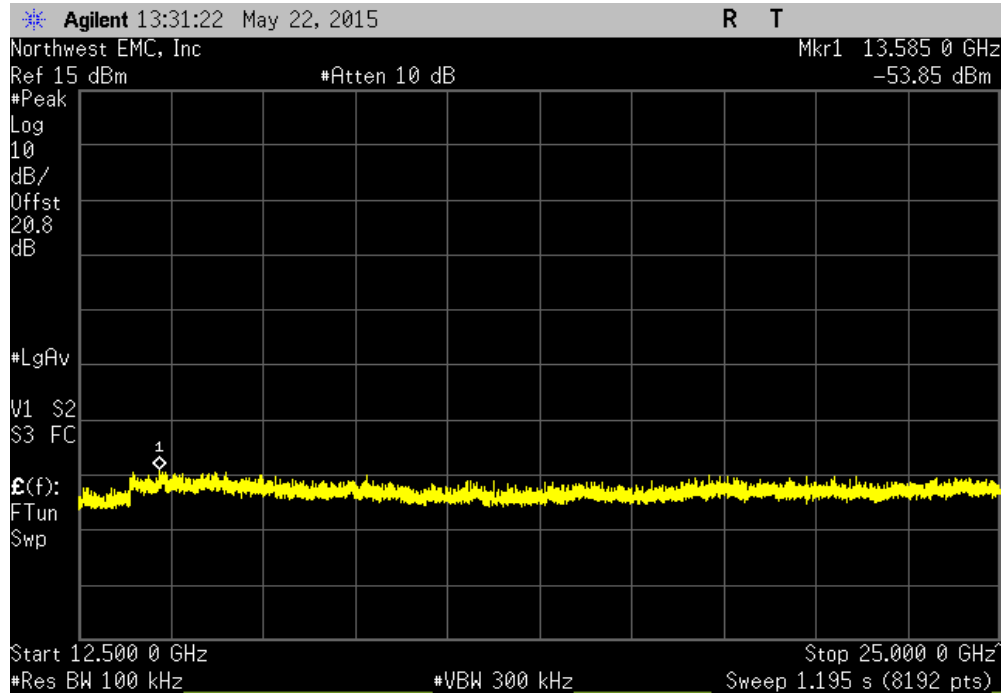


20 MHz, Chain A, 802.11(b) 1 Mbps, Low Channel 1, 2412 MHz						
Frequency Range		Value (dBc)	Limit ≤ (dBc)	Result		
30 MHz - 12.5 GHz		-59.35	-20	Pass		

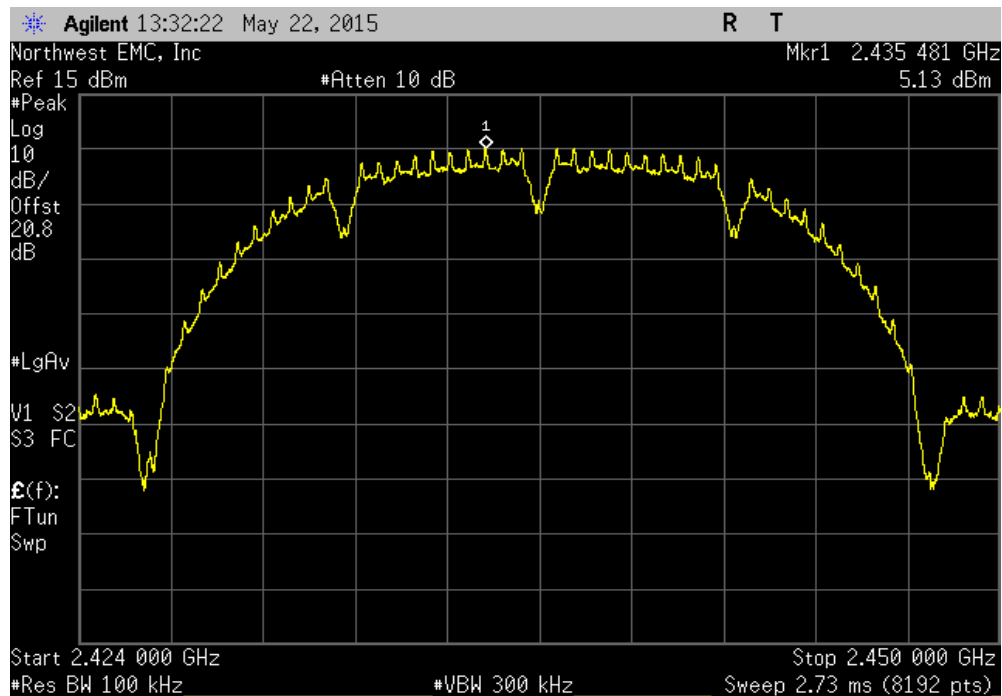


SPURIOUS CONDUCTED EMISSIONS

20 MHz, Chain A, 802.11(b) 1 Mbps, Low Channel 1, 2412 MHz				
Frequency Range	Value (dBc)	Limit ≤ (dBc)	Result	
12.5 GHz - 25 GHz	-58.18	-20	Pass	

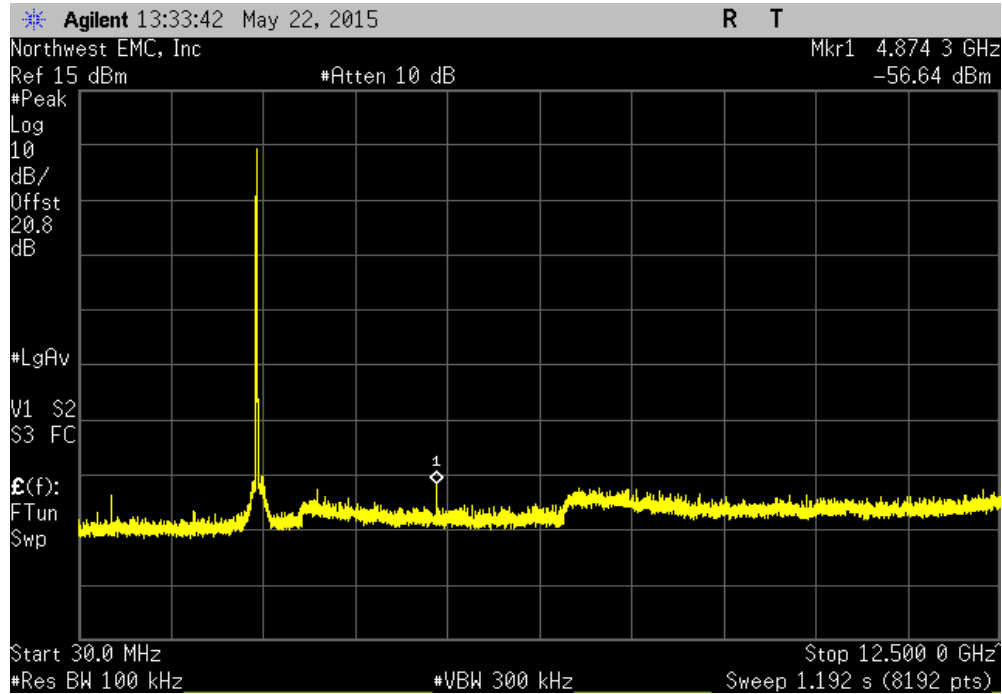


20 MHz, Chain A, 802.11(b) 1 Mbps, Mid Channel 6, 2437 MHz				
Frequency Range	Value (dBc)	Limit ≤ (dBc)	Result	
Fundamental	N/A	N/A	N/A	

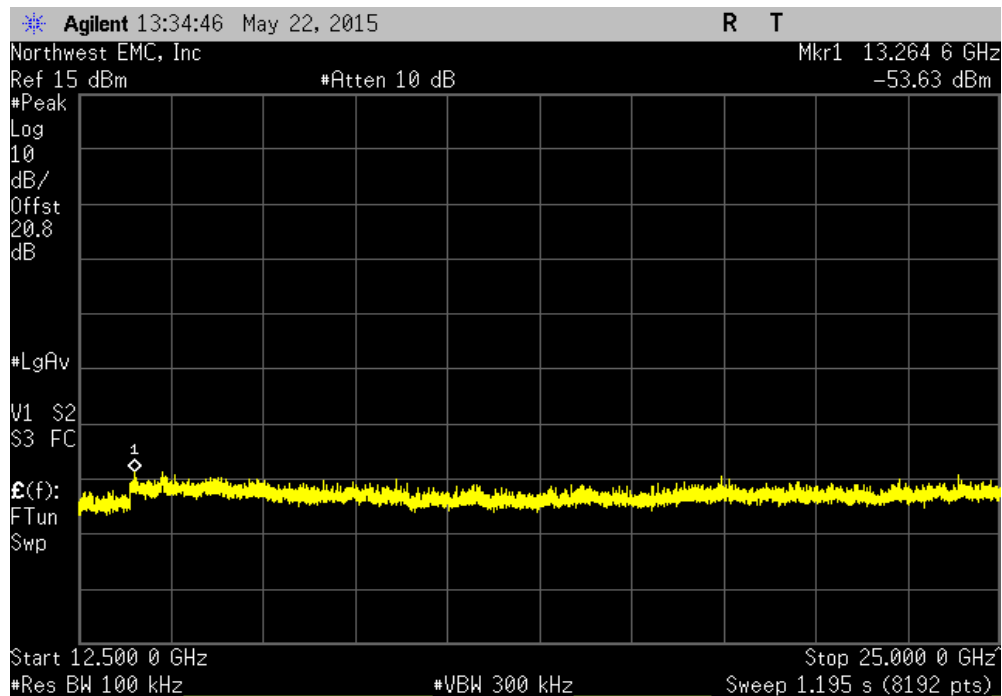


SPURIOUS CONDUCTED EMISSIONS

20 MHz, Chain A, 802.11(b) 1 Mbps, Mid Channel 6, 2437 MHz				
Frequency Range	Value (dBc)	Limit ≤ (dBc)	Result	
30 MHz - 12.5 GHz	-61.77	-20	Pass	

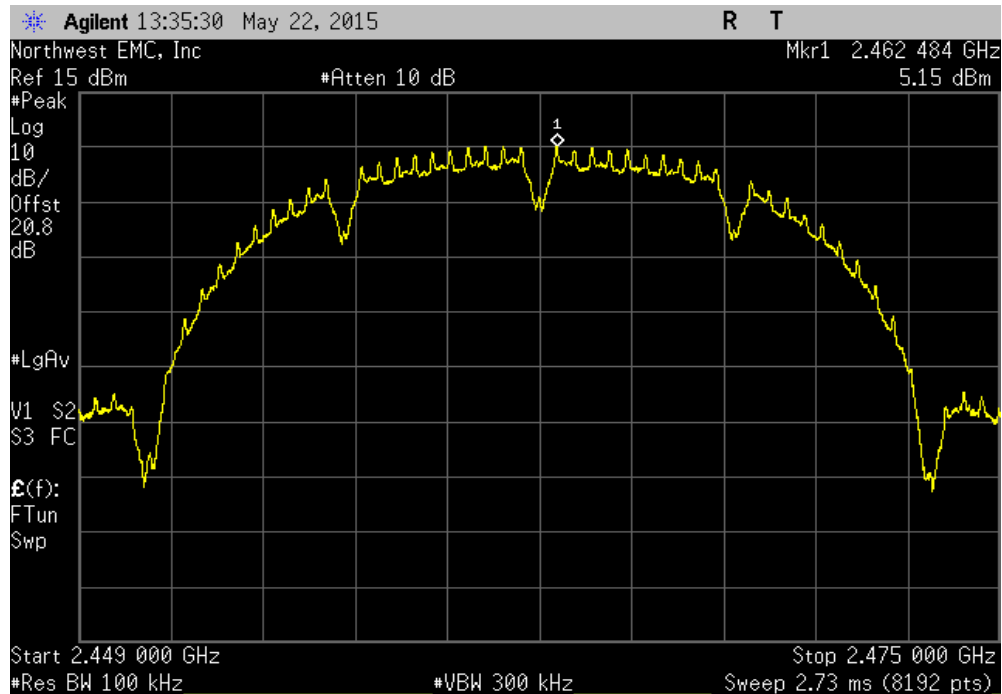


20 MHz, Chain A, 802.11(b) 1 Mbps, Mid Channel 6, 2437 MHz				
Frequency Range	Value (dBc)	Limit ≤ (dBc)	Result	
12.5 GHz - 25 GHz	-58.76	-20	Pass	

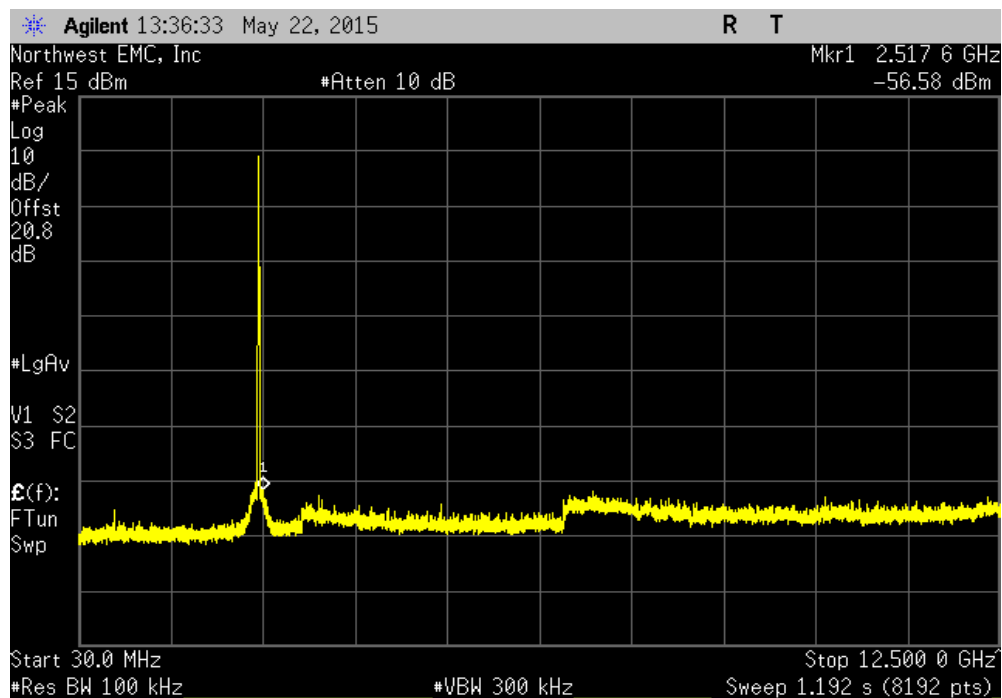


SPURIOUS CONDUCTED EMISSIONS

20 MHz, Chain A, 802.11(b) 1 Mbps, High Channel 11, 2462 MHz						
Frequency Range		Value (dBc)	Limit ≤ (dBc)	Result		
Fundamental		N/A	N/A	N/A		

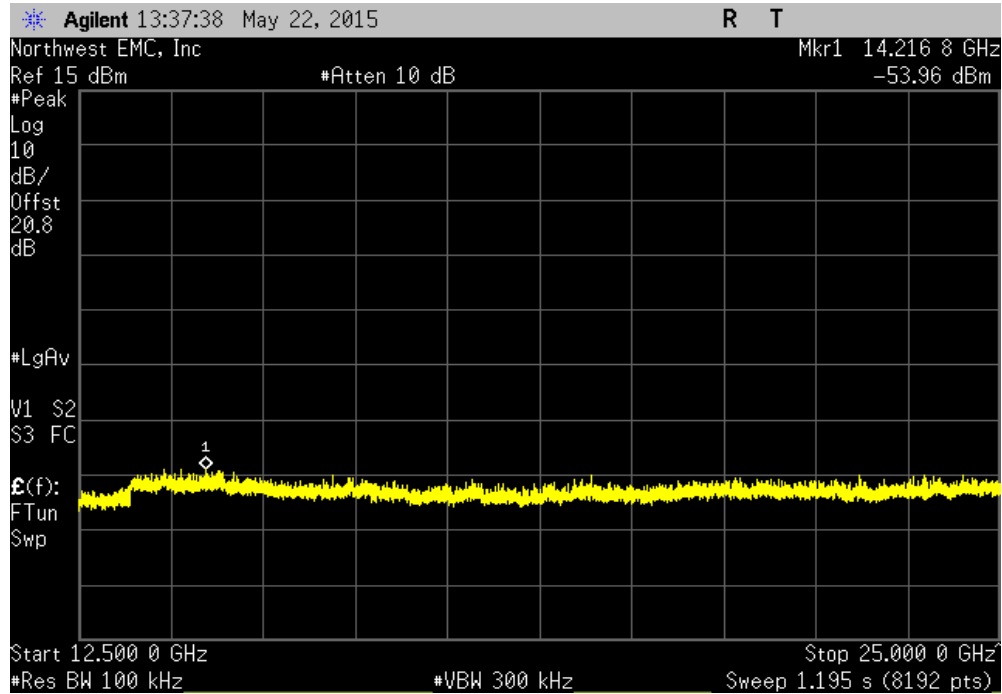


20 MHz, Chain A, 802.11(b) 1 Mbps, High Channel 11, 2462 MHz						
Frequency Range		Value (dBc)	Limit ≤ (dBc)	Result		
30 MHz - 12.5 GHz		-61.73	-20	Pass		

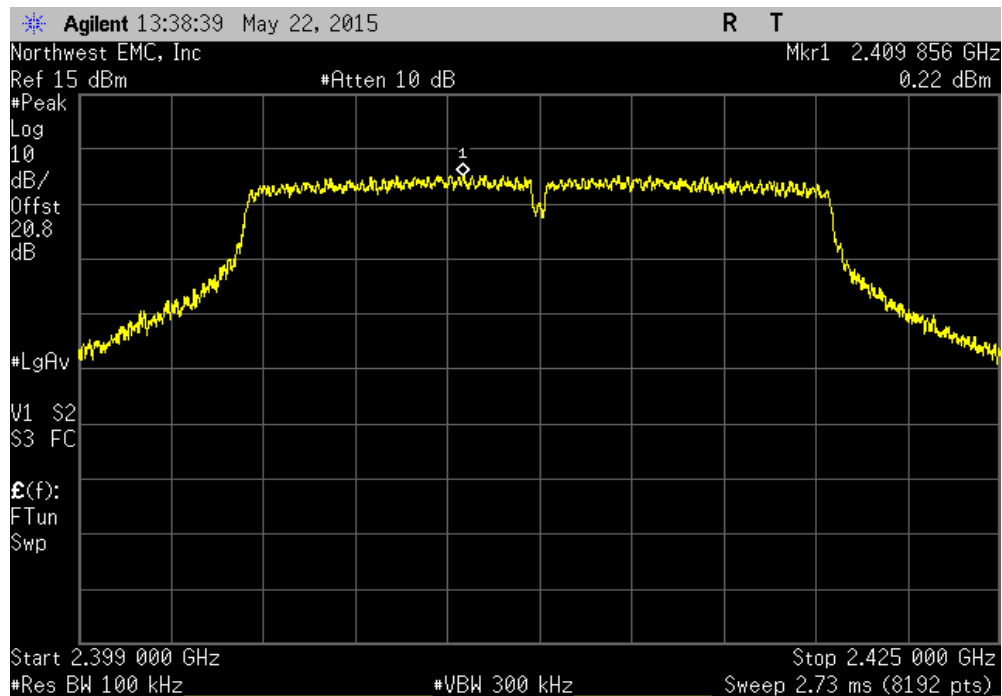


SPURIOUS CONDUCTED EMISSIONS

20 MHz, Chain A, 802.11(b) 1 Mbps, High Channel 11, 2462 MHz				
Frequency Range	Value (dBc)	Limit ≤ (dBc)	Result	
12.5 GHz - 25 GHz	-59.11	-20	Pass	

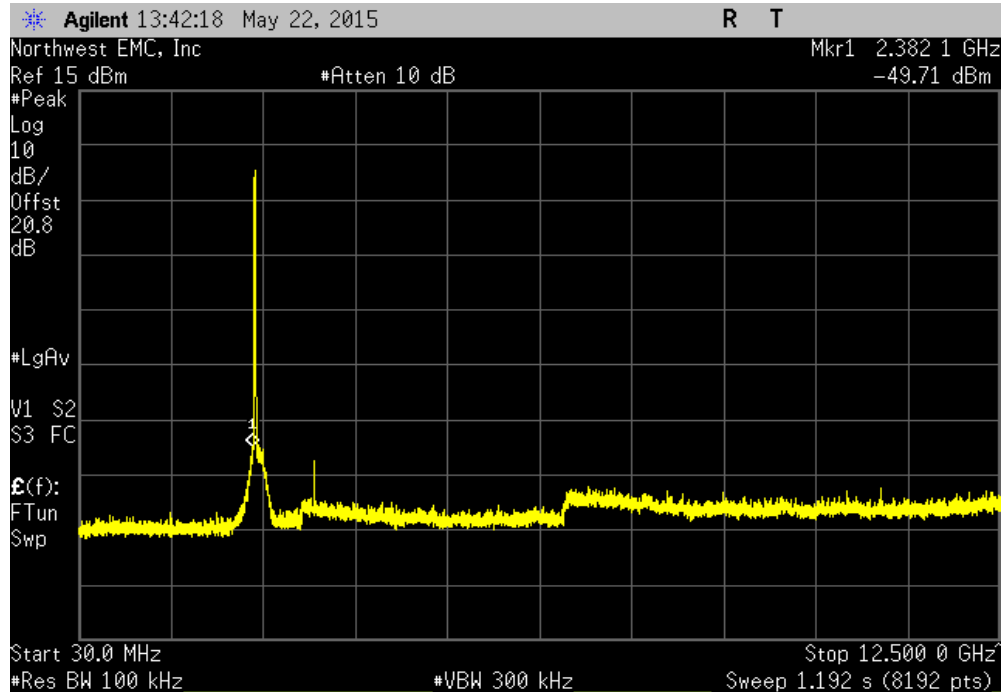


20 MHz, Chain A, 802.11(g) 6 Mbps, Low Channel 1, 2412 MHz				
Frequency Range	Value (dBc)	Limit ≤ (dBc)	Result	
Fundamental	N/A	N/A	N/A	

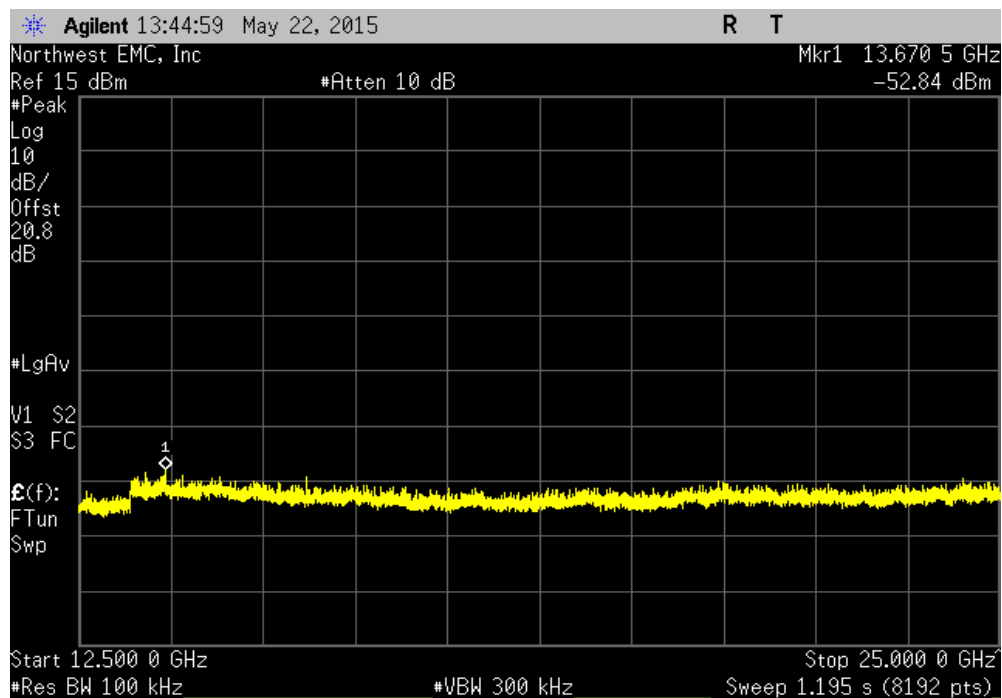


SPURIOUS CONDUCTED EMISSIONS

20 MHz, Chain A, 802.11(g) 6 Mbps, Low Channel 1, 2412 MHz				
Frequency Range	Value (dBc)	Limit ≤ (dBc)	Result	
30 MHz - 12.5 GHz	-49.93	-20	Pass	

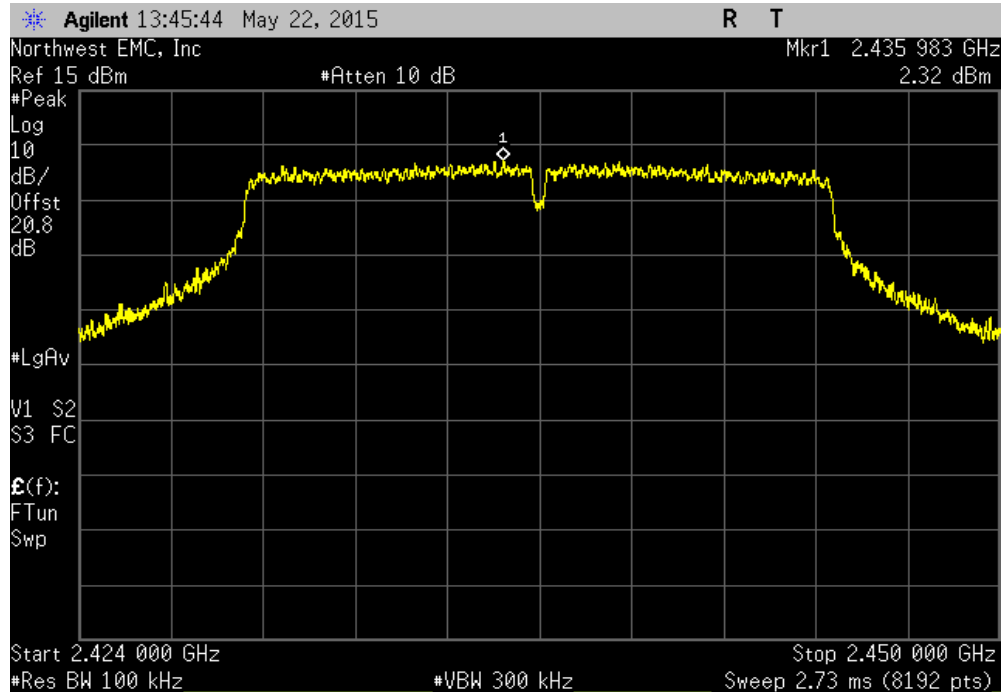


20 MHz, Chain A, 802.11(g) 6 Mbps, Low Channel 1, 2412 MHz				
Frequency Range	Value (dBc)	Limit ≤ (dBc)	Result	
12.5 GHz - 25 GHz	-53.06	-20	Pass	

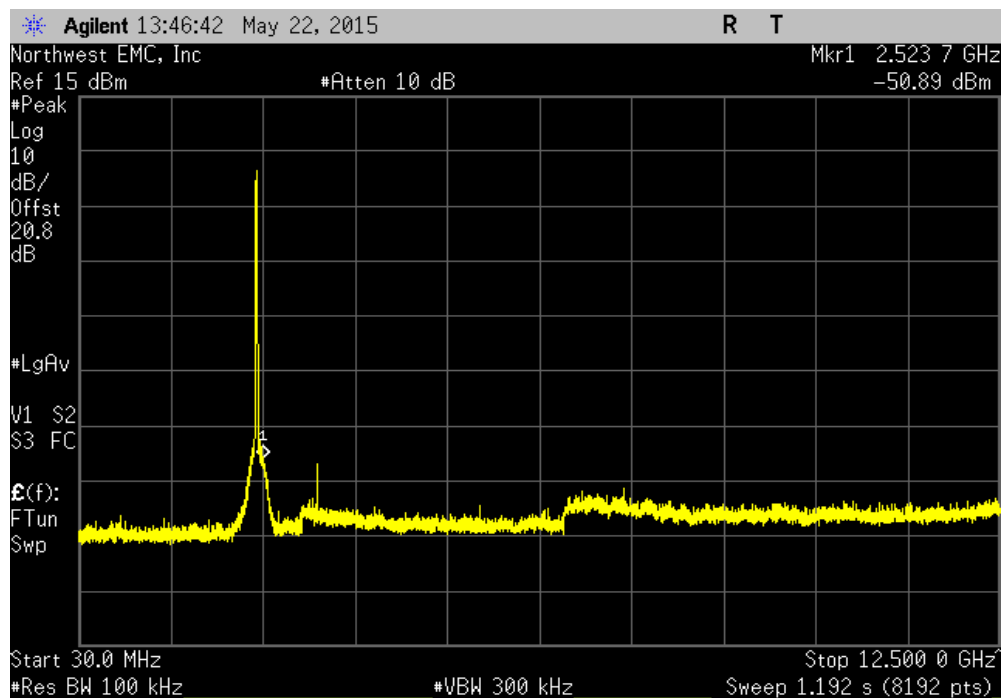


SPURIOUS CONDUCTED EMISSIONS

20 MHz, Chain A, 802.11(g) 6 Mbps, Mid Channel 6, 2437 MHz						
Frequency Range		Value (dBc)	Limit ≤ (dBc)	Result		
Fundamental		N/A	N/A	N/A		

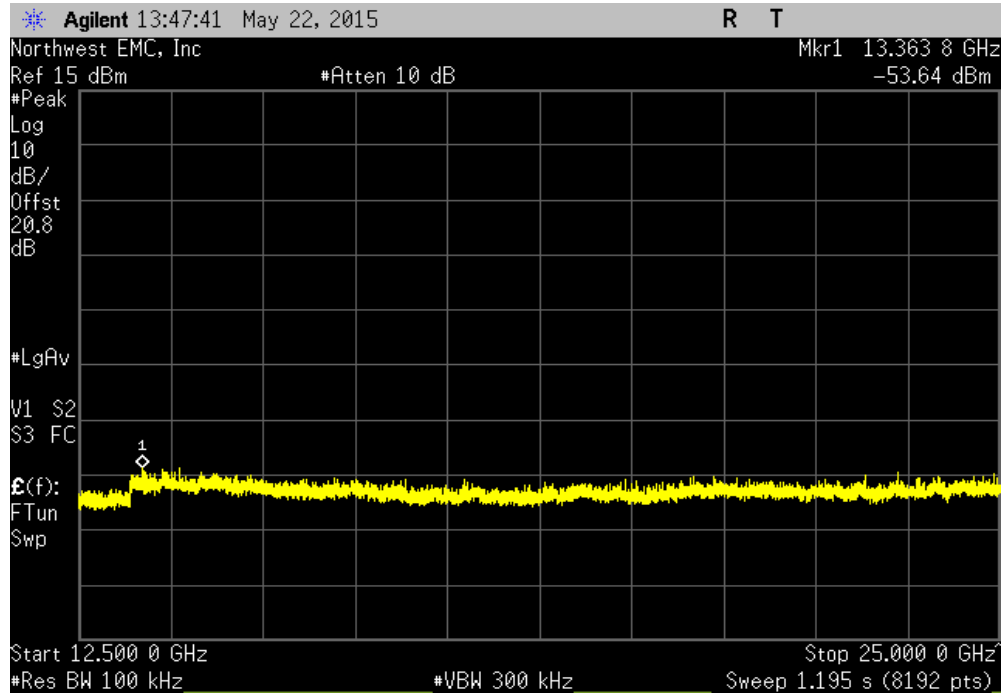


20 MHz, Chain A, 802.11(g) 6 Mbps, Mid Channel 6, 2437 MHz						
Frequency Range		Value (dBc)	Limit ≤ (dBc)	Result		
30 MHz - 12.5 GHz		-53.21	-20	Pass		

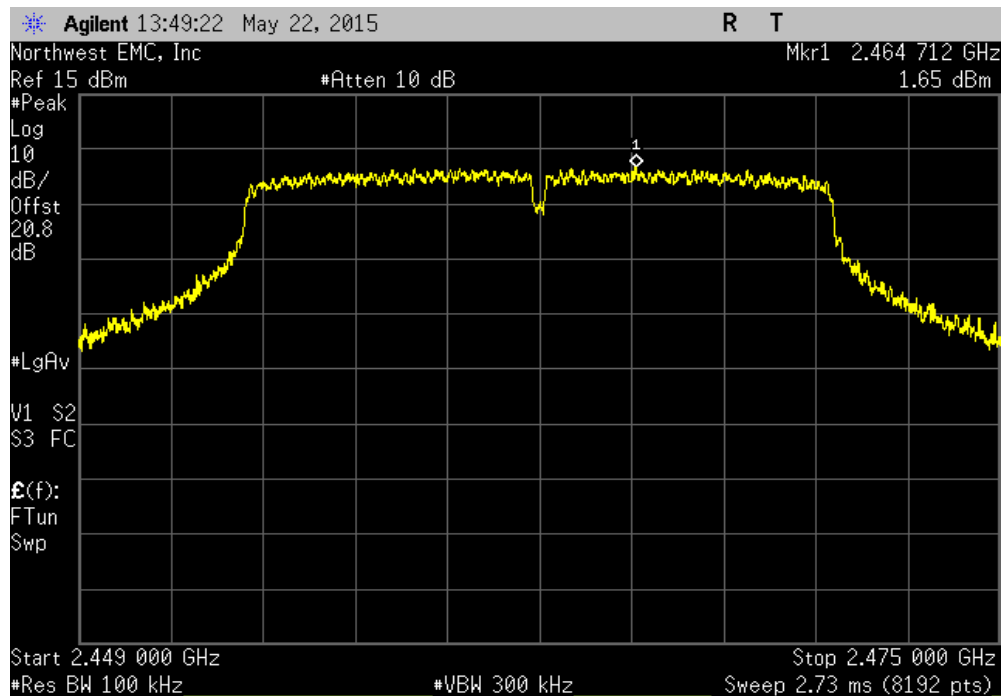


SPURIOUS CONDUCTED EMISSIONS

20 MHz, Chain A, 802.11(g) 6 Mbps, Mid Channel 6, 2437 MHz				
Frequency Range	Value (dBc)	Limit ≤ (dBc)	Result	
12.5 GHz - 25 GHz	-55.96	-20	Pass	

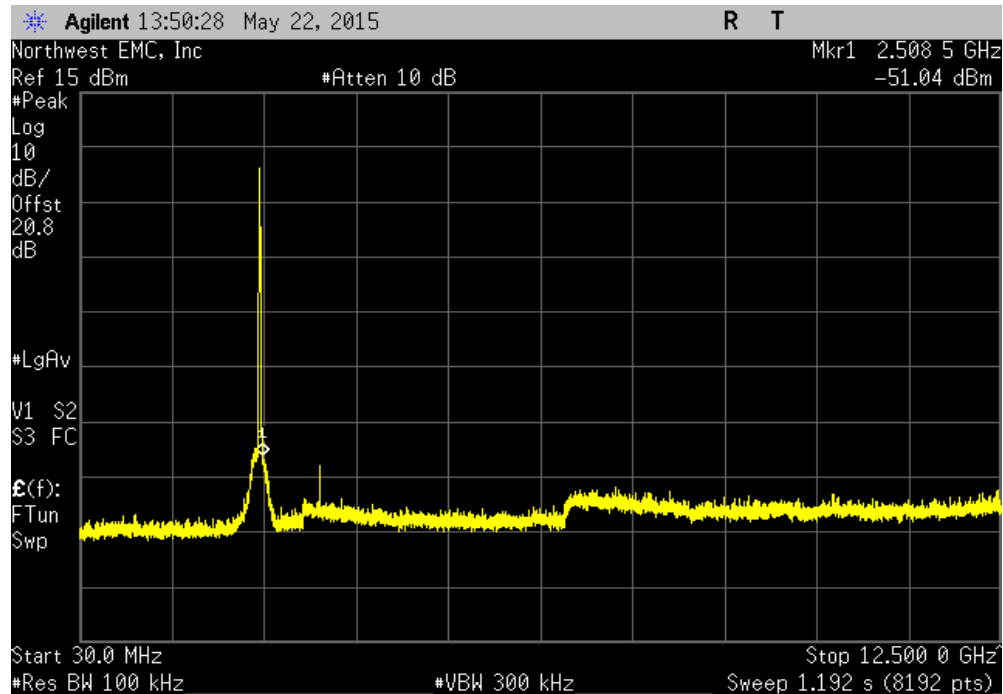


20 MHz, Chain A, 802.11(g) 6 Mbps, High Channel 11, 2462 MHz				
Frequency Range	Value (dBc)	Limit ≤ (dBc)	Result	
Fundamental	N/A	N/A	N/A	

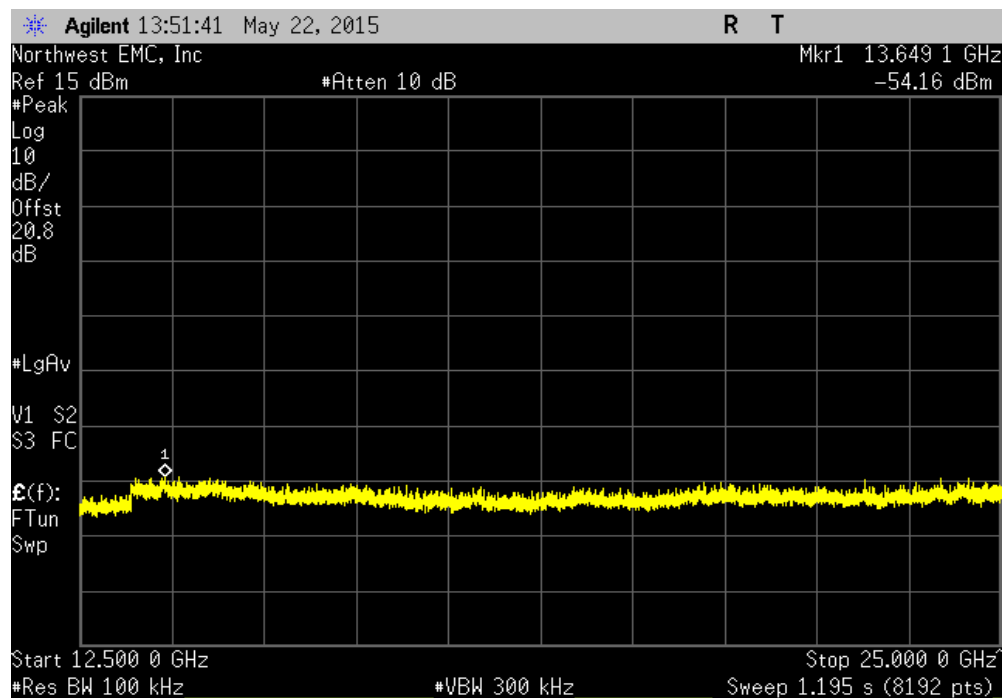


SPURIOUS CONDUCTED EMISSIONS

20 MHz, Chain A, 802.11(g) 6 Mbps, High Channel 11, 2462 MHz				
Frequency Range	Value (dBc)	Limit ≤ (dBc)	Result	
30 MHz - 12.5 GHz	-52.7	-20	Pass	

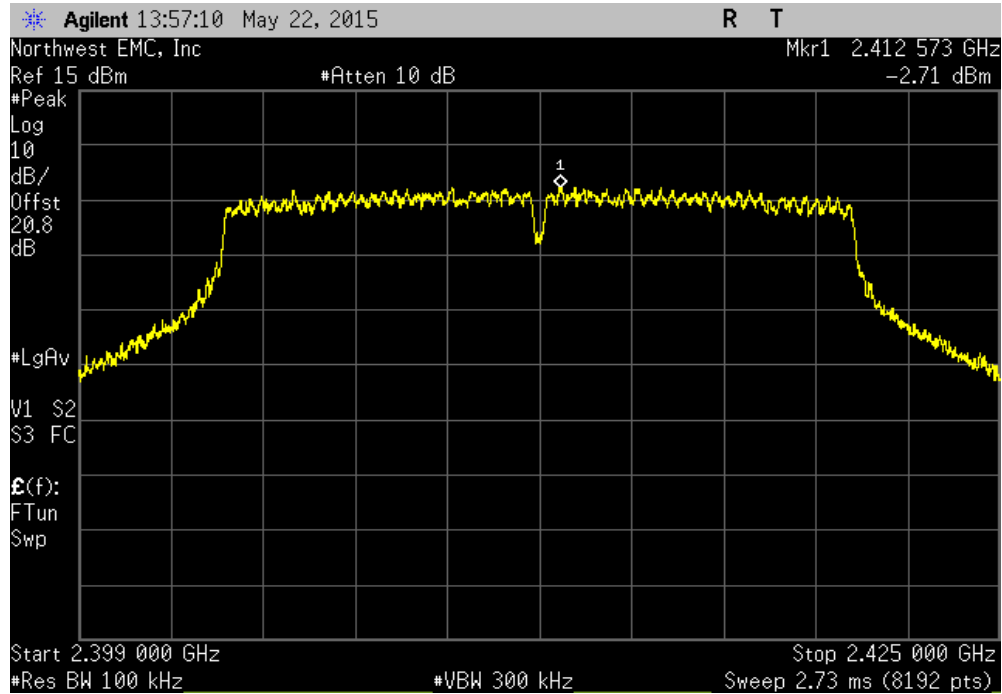


20 MHz, Chain A, 802.11(g) 6 Mbps, High Channel 11, 2462 MHz				
Frequency Range	Value (dBc)	Limit ≤ (dBc)	Result	
12.5 GHz - 25 GHz	-55.82	-20	Pass	

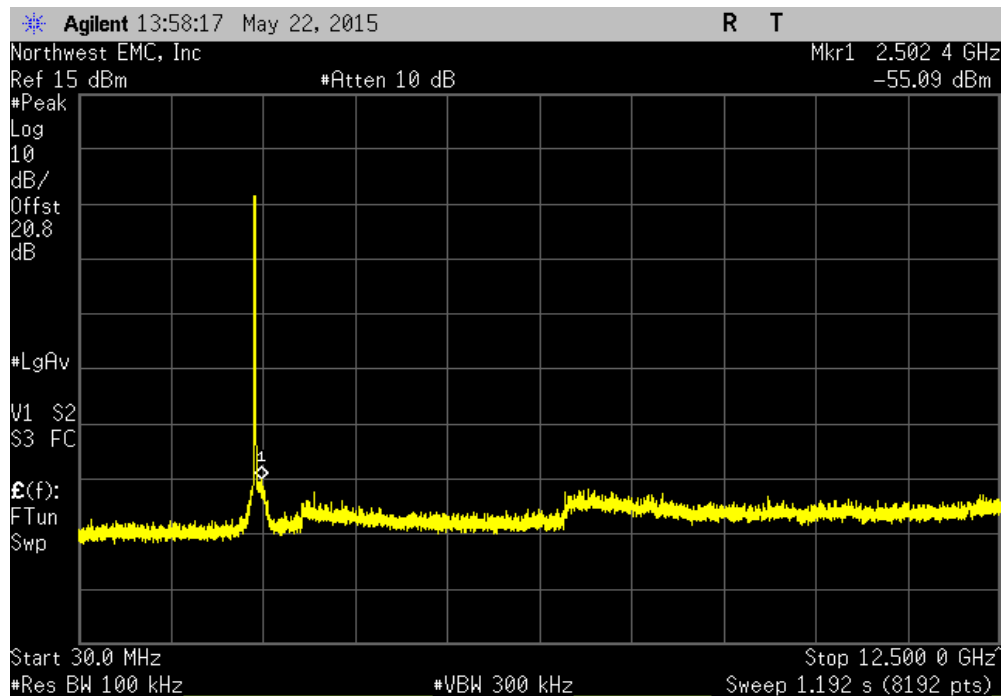


SPURIOUS CONDUCTED EMISSIONS

20 MHz, Chain A, 802.11(n) MCS0, Low Channel 1, 2412 MHz						
Frequency Range		Value (dBc)	Limit ≤ (dBc)	Result		
Fundamental		N/A	N/A	N/A		

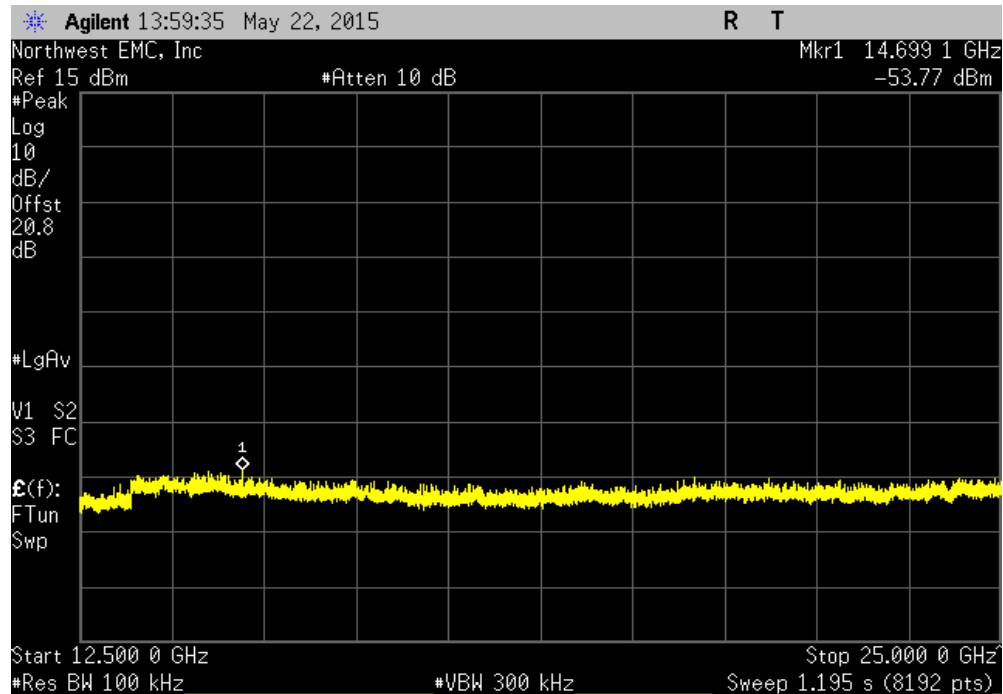


20 MHz, Chain A, 802.11(n) MCS0, Low Channel 1, 2412 MHz						
Frequency Range		Value (dBc)	Limit ≤ (dBc)	Result		
30 MHz - 12.5 GHz		-52.38	-20	Pass		

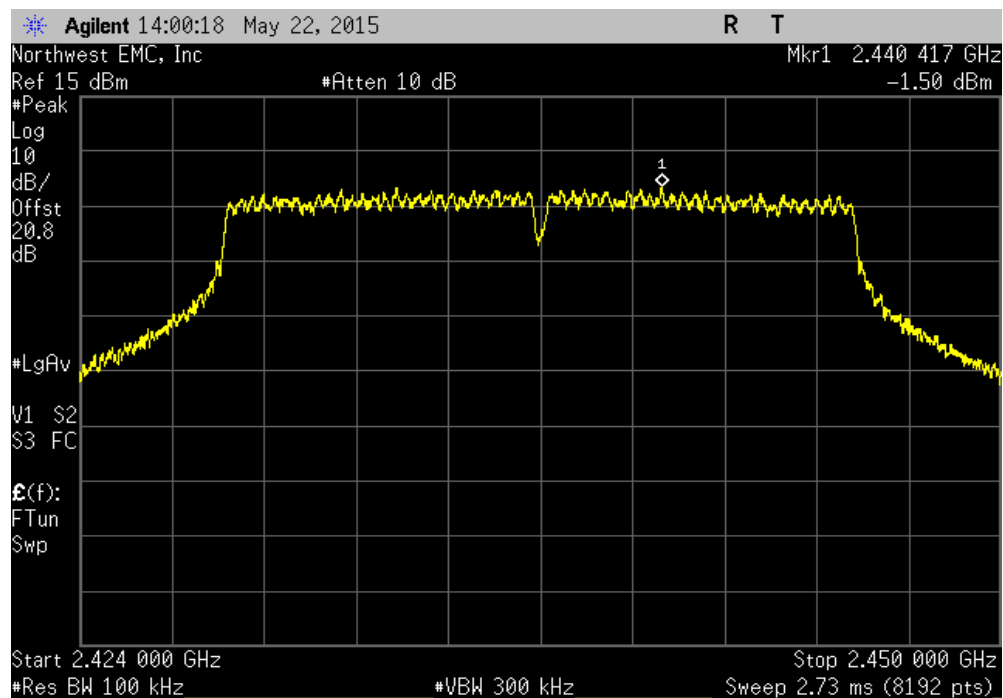


SPURIOUS CONDUCTED EMISSIONS

20 MHz, Chain A, 802.11(n) MCS0, Low Channel 1, 2412 MHz				
Frequency Range	Value (dBc)	Limit ≤ (dBc)	Result	
12.5 GHz - 25 GHz	-51.06	-20	Pass	

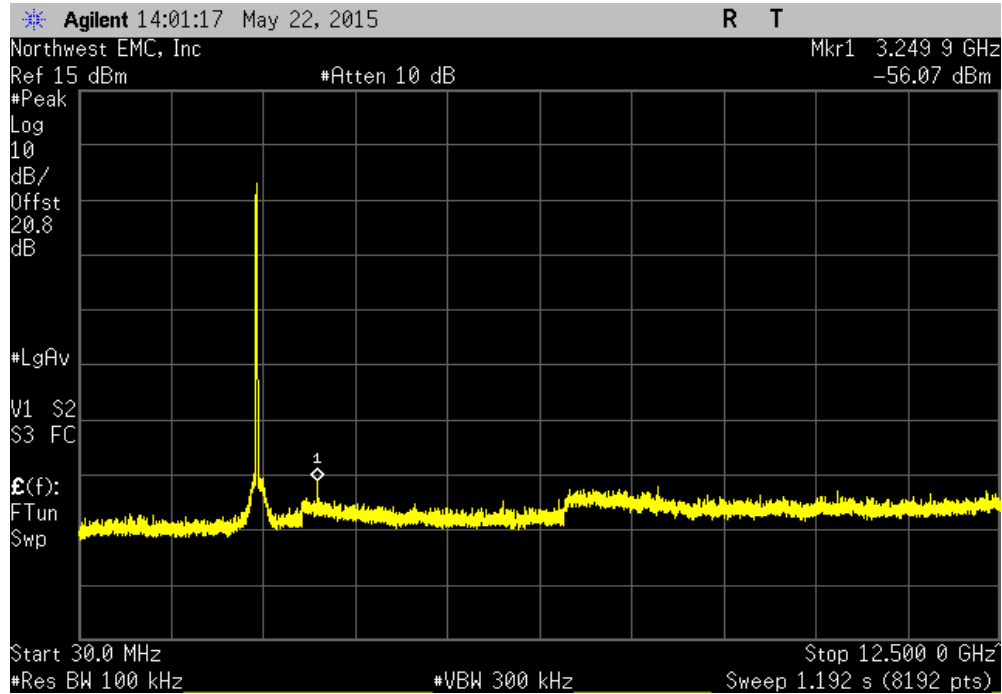


20 MHz, Chain A, 802.11(n) MCS0, Mid Channel 6, 2437 MHz				
Frequency Range	Value (dBc)	Limit ≤ (dBc)	Result	
Fundamental	N/A	N/A	N/A	

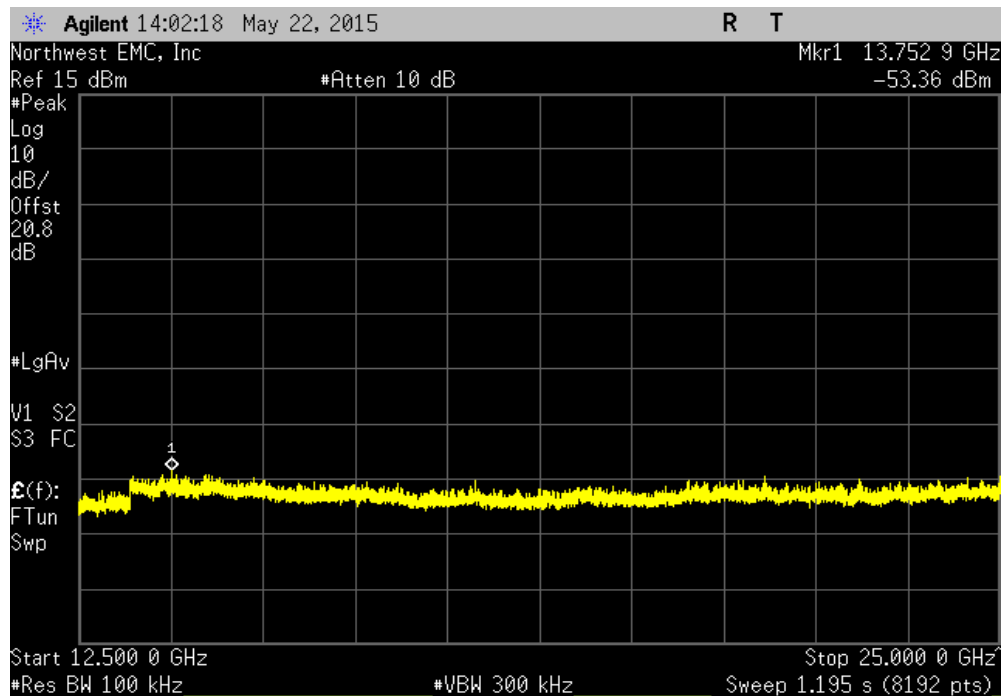


SPURIOUS CONDUCTED EMISSIONS

20 MHz, Chain A, 802.11(n) MCS0, Mid Channel 6, 2437 MHz				
Frequency Range	Value (dBc)	Limit ≤ (dBc)	Result	
30 MHz - 12.5 GHz	-54.57	-20	Pass	

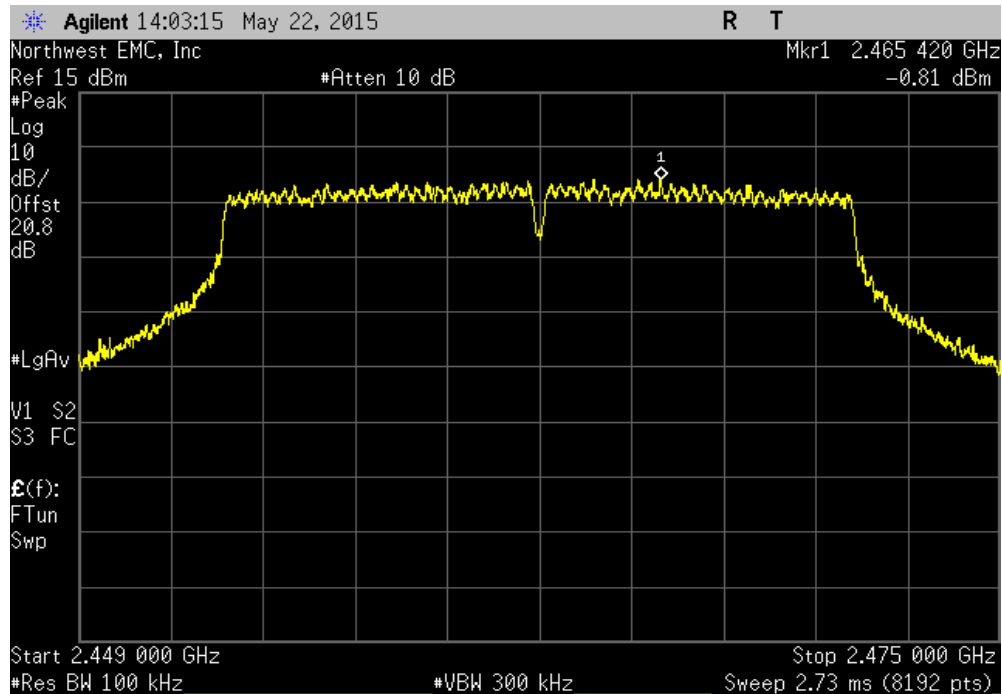


20 MHz, Chain A, 802.11(n) MCS0, Mid Channel 6, 2437 MHz				
Frequency Range	Value (dBc)	Limit ≤ (dBc)	Result	
12.5 GHz - 25 GHz	-51.86	-20	Pass	

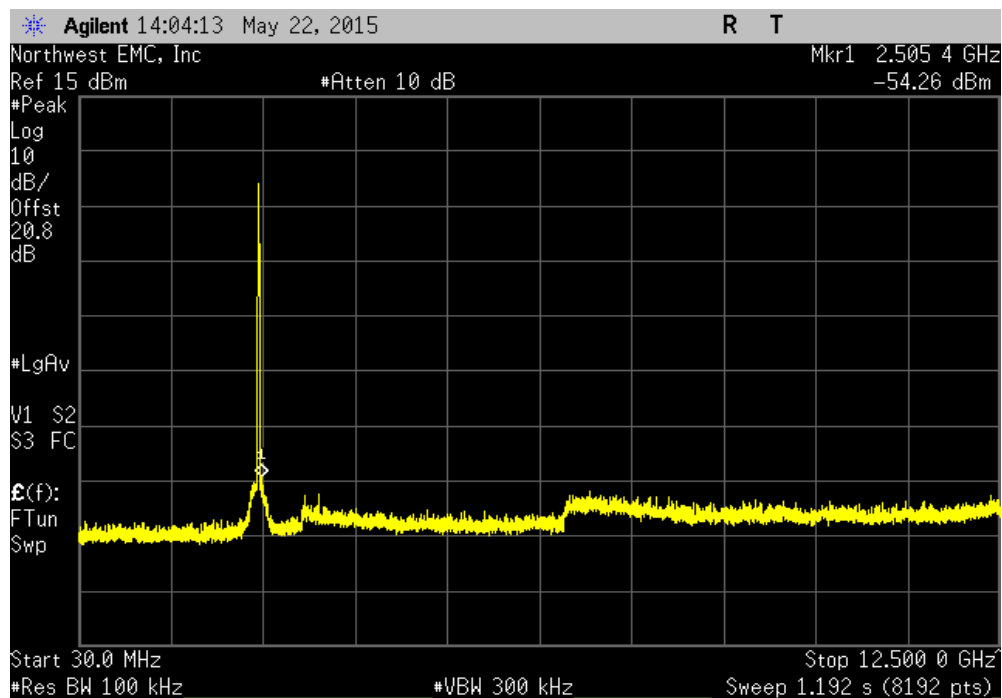


SPURIOUS CONDUCTED EMISSIONS

20 MHz, Chain A, 802.11(n) MCS0, High Channel 11, 2462 MHz						
Frequency Range		Value (dBc)	Limit ≤ (dBc)	Result		
Fundamental		N/A	N/A	N/A		

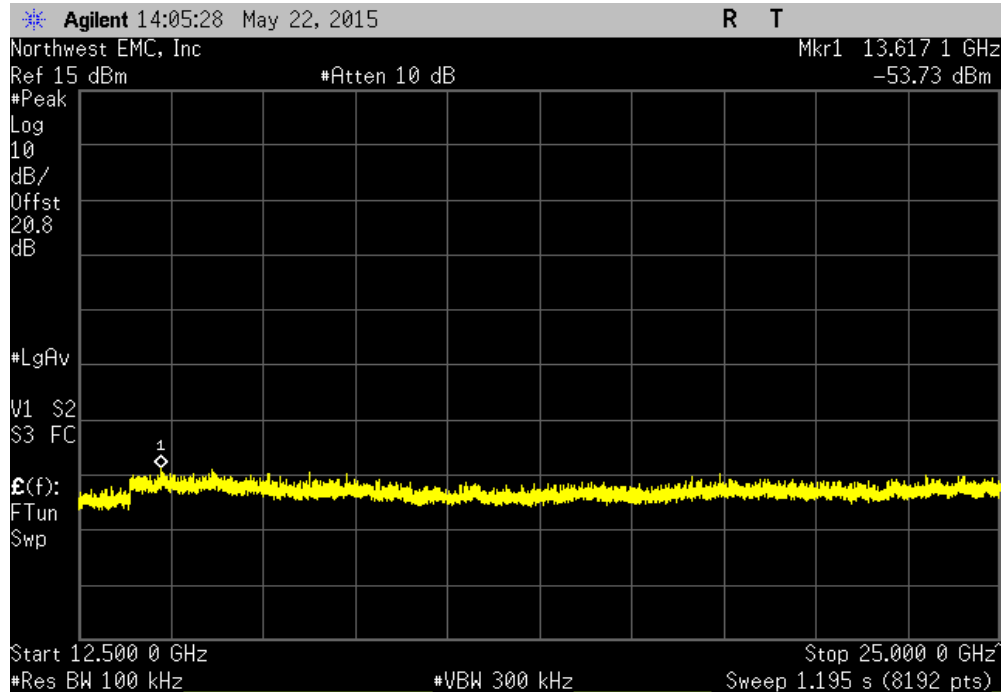


20 MHz, Chain A, 802.11(n) MCS0, High Channel 11, 2462 MHz						
Frequency Range		Value (dBc)	Limit ≤ (dBc)	Result		
30 MHz - 12.5 GHz		-53.45	-20	Pass		

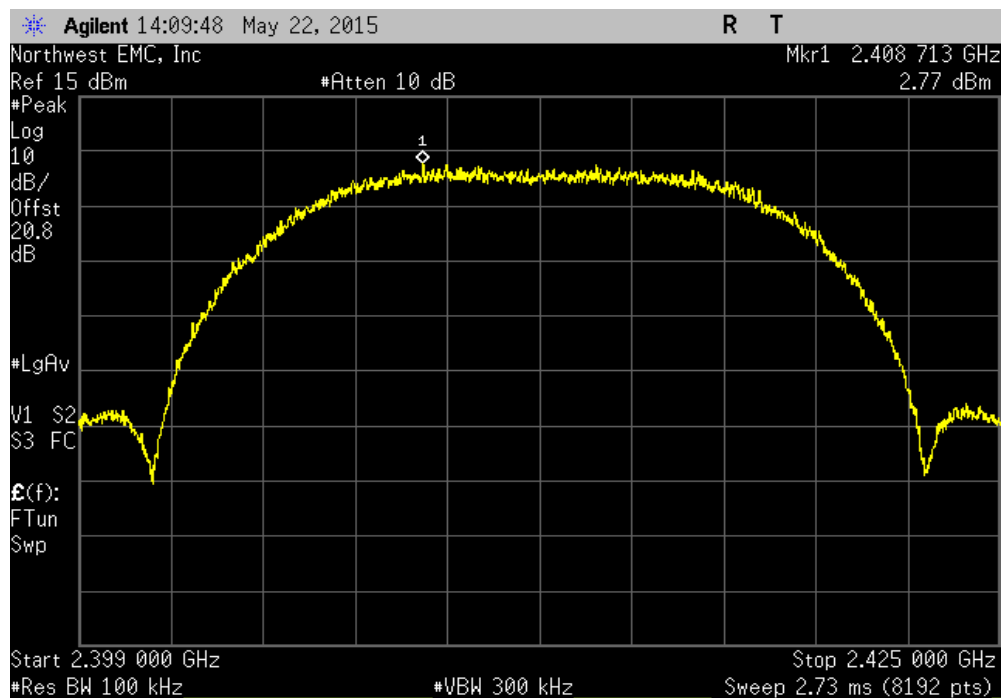


SPURIOUS CONDUCTED EMISSIONS

20 MHz, Chain A, 802.11(n) MCS0, High Channel 11, 2462 MHz				
Frequency Range	Value (dBc)	Limit ≤ (dBc)	Result	
12.5 GHz - 25 GHz	-52.92	-20	Pass	

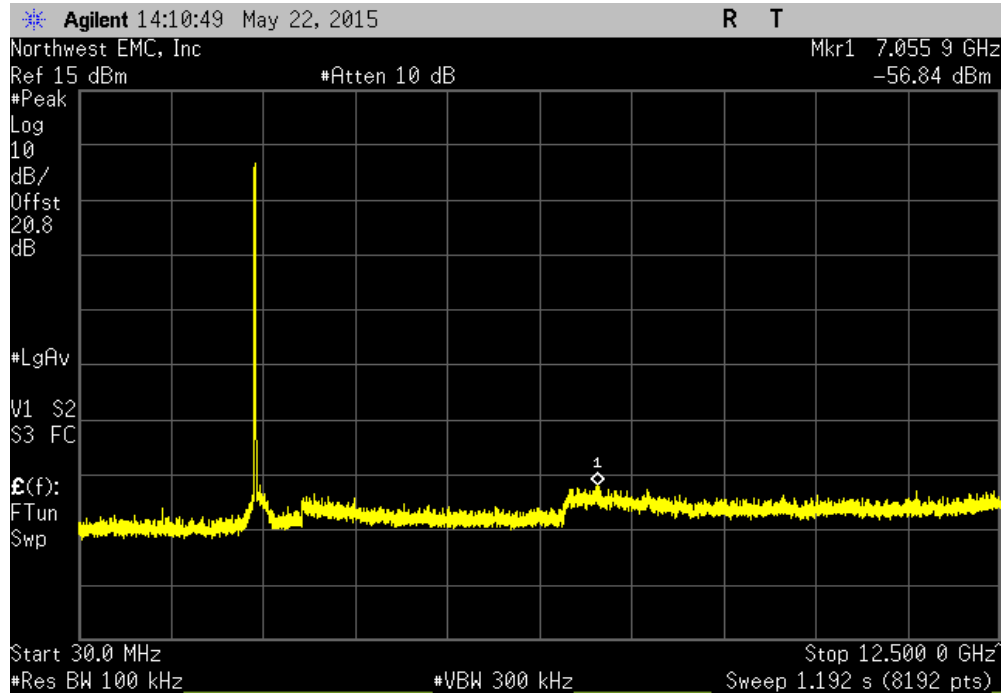


20 MHz, Chain B, 802.11(b) 11 Mbps, Low Channel 1, 2412 MHz				
Frequency Range	Value (dBc)	Limit ≤ (dBc)	Result	
Fundamental	N/A	N/A	N/A	

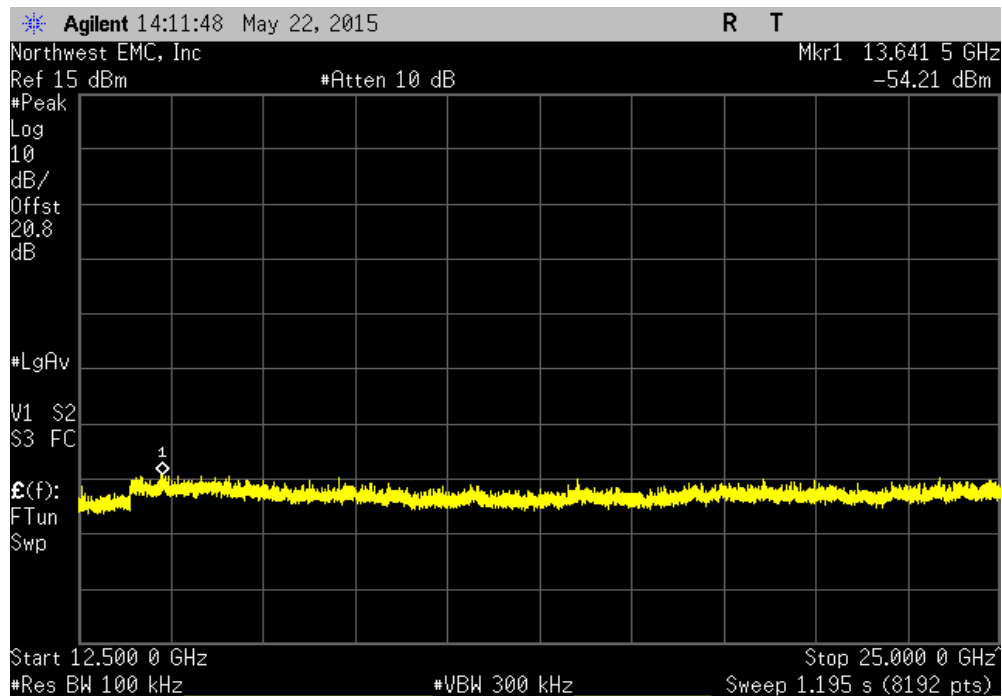


SPURIOUS CONDUCTED EMISSIONS

20 MHz, Chain B, 802.11(b) 11 Mbps, Low Channel 1, 2412 MHz				
Frequency Range	Value (dBc)	Limit ≤ (dBc)	Result	
30 MHz - 12.5 GHz	-59.61	-20	Pass	

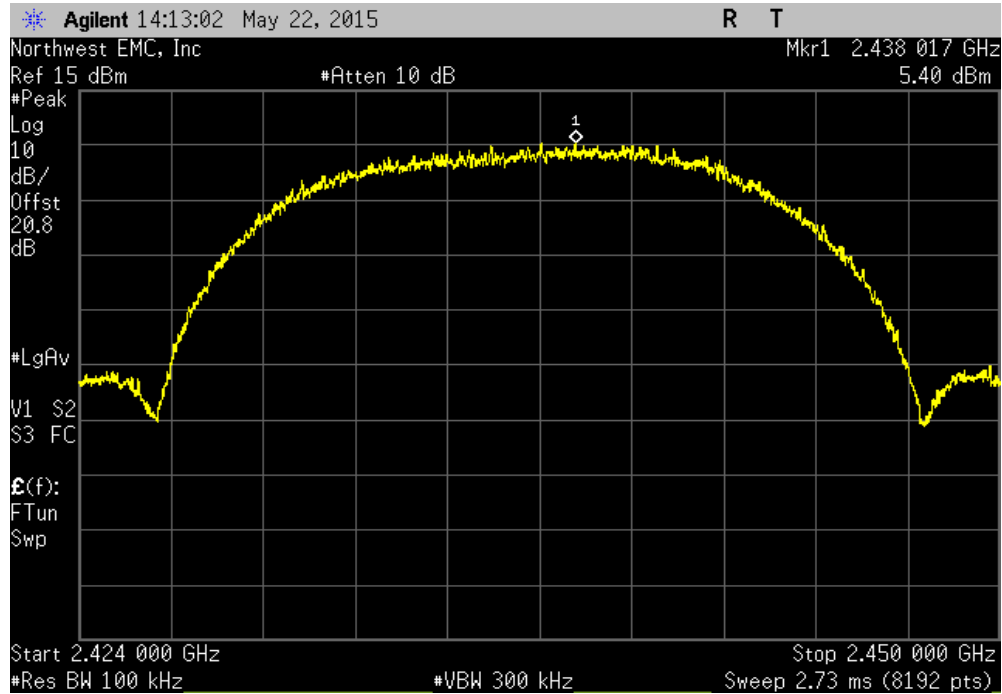


20 MHz, Chain B, 802.11(b) 11 Mbps, Low Channel 1, 2412 MHz				
Frequency Range	Value (dBc)	Limit ≤ (dBc)	Result	
12.5 GHz - 25 GHz	-56.98	-20	Pass	

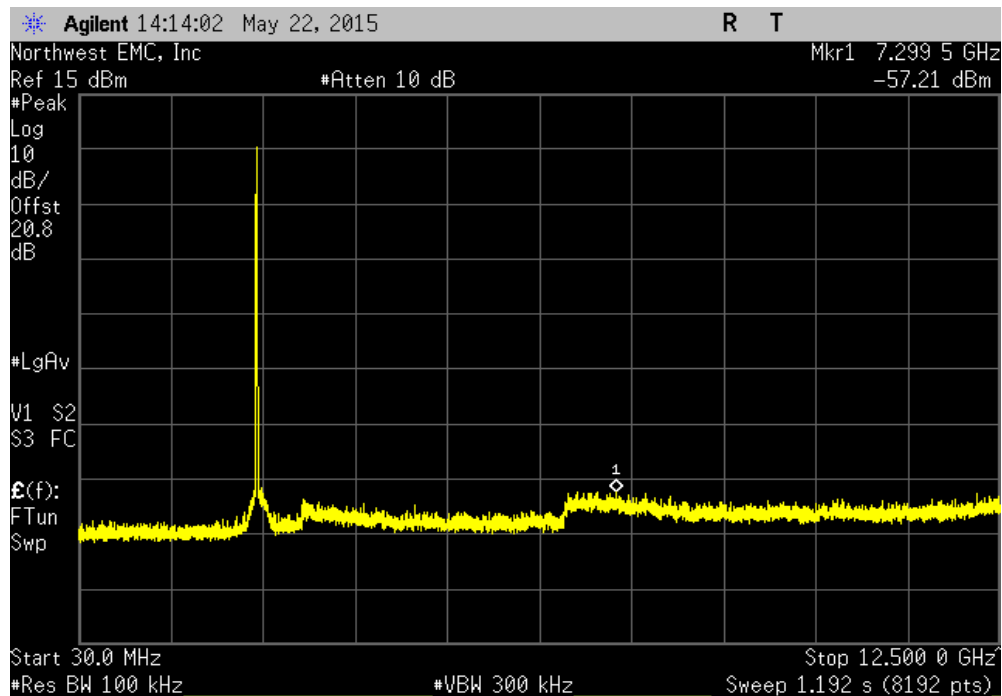


SPURIOUS CONDUCTED EMISSIONS

20 MHz, Chain B, 802.11(b) 11 Mbps, Mid Channel 6, 2437 MHz						
Frequency Range		Value (dBc)	Limit ≤ (dBc)	Result		
Fundamental		N/A	N/A	N/A		

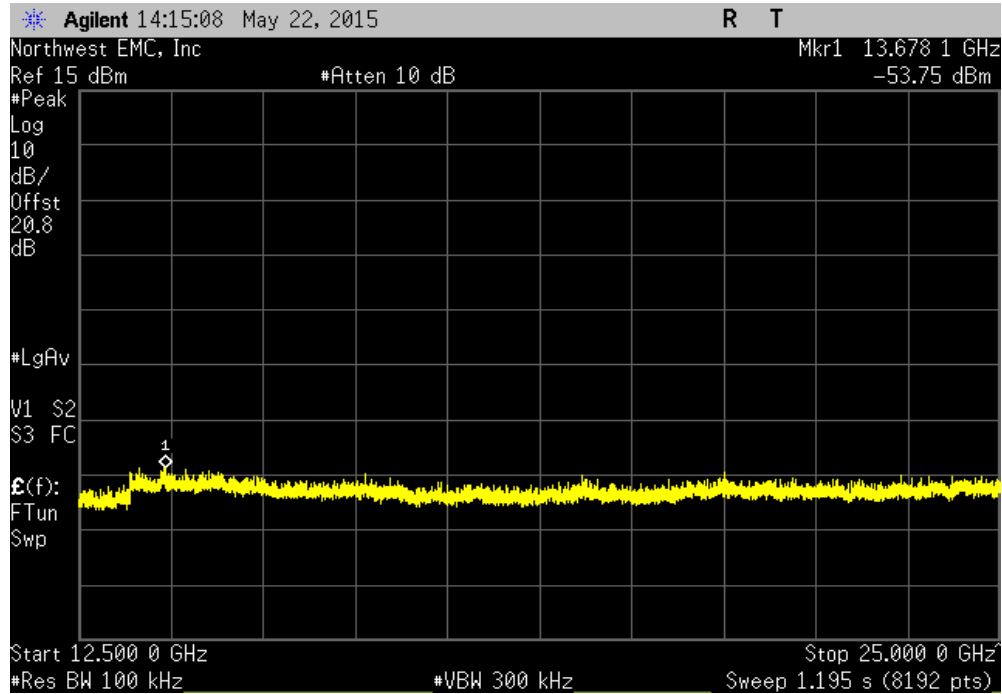


20 MHz, Chain B, 802.11(b) 11 Mbps, Mid Channel 6, 2437 MHz						
Frequency Range		Value (dBc)	Limit ≤ (dBc)	Result		
30 MHz - 12.5 GHz		-62.61	-20	Pass		

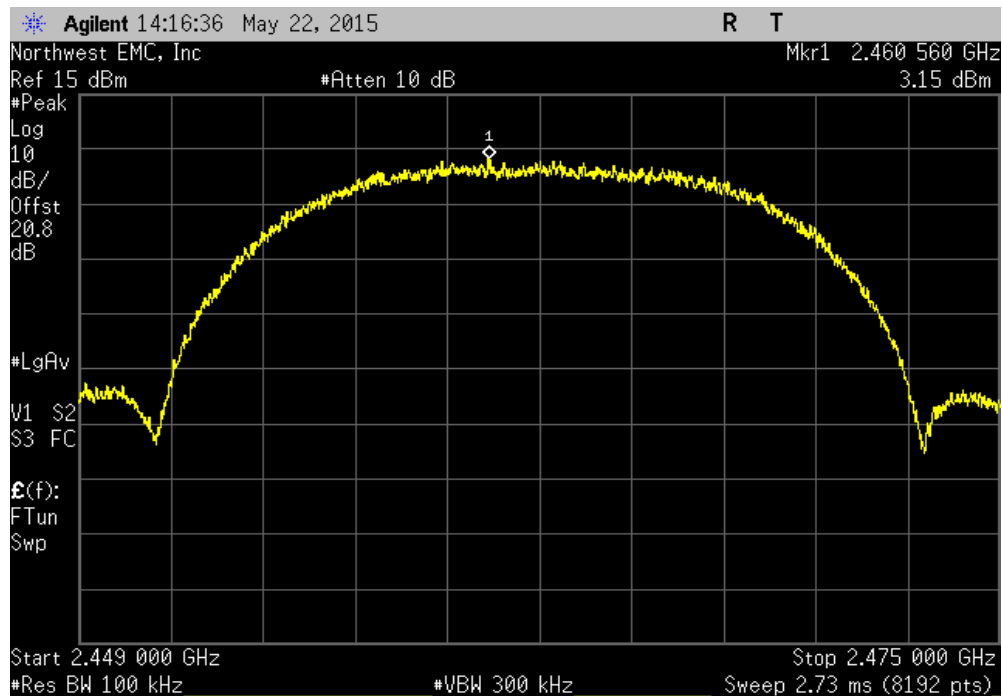


SPURIOUS CONDUCTED EMISSIONS

20 MHz, Chain B, 802.11(b) 11 Mbps, Mid Channel 6, 2437 MHz				
Frequency Range	Value (dBc)	Limit ≤ (dBc)	Result	
12.5 GHz - 25 GHz	-59.15	-20	Pass	

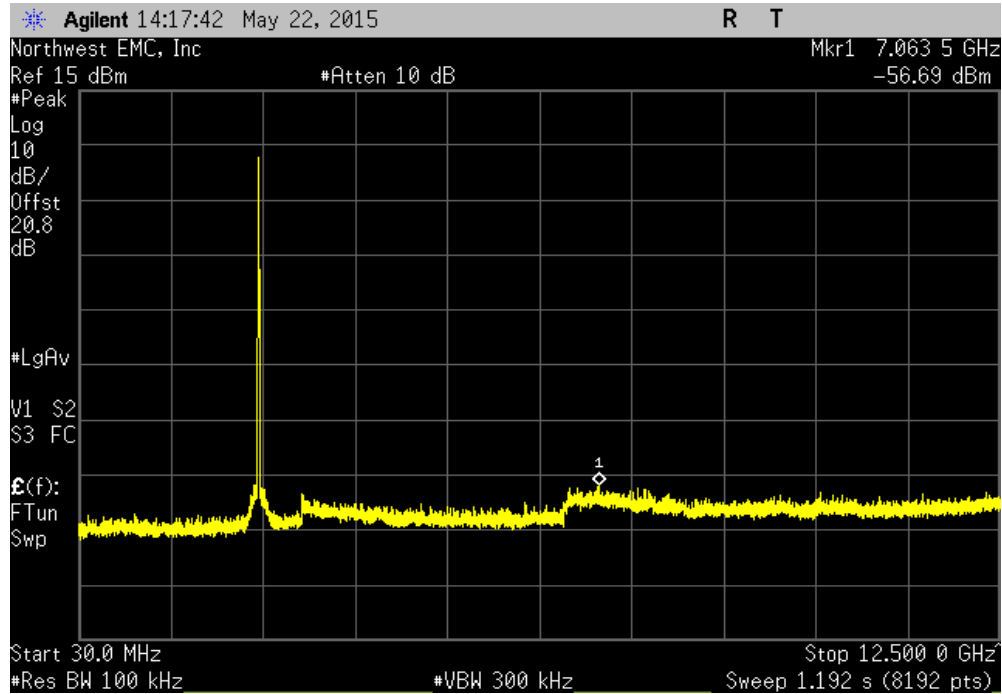


20 MHz, Chain B, 802.11(b) 11 Mbps, High Channel 11, 2462 MHz				
Frequency Range	Value (dBc)	Limit ≤ (dBc)	Result	
Fundamental	N/A	N/A	N/A	

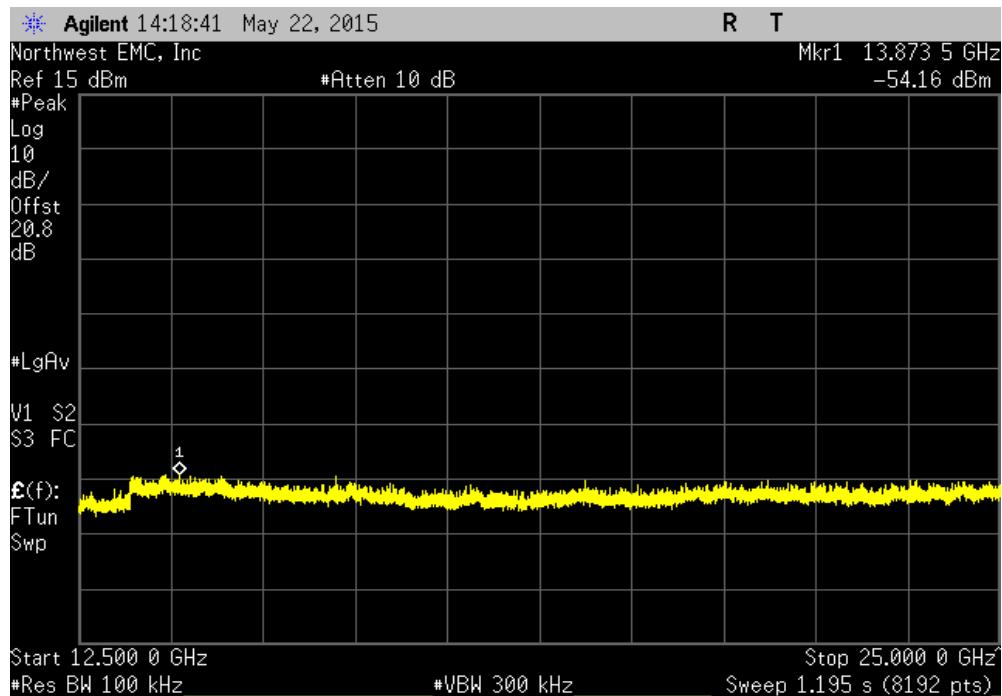


SPURIOUS CONDUCTED EMISSIONS

20 MHz, Chain B, 802.11(b) 11 Mbps, High Channel 11, 2462 MHz				
Frequency Range	Value (dBc)	Limit ≤ (dBc)	Result	
30 MHz - 12.5 GHz	-59.84	-20	Pass	

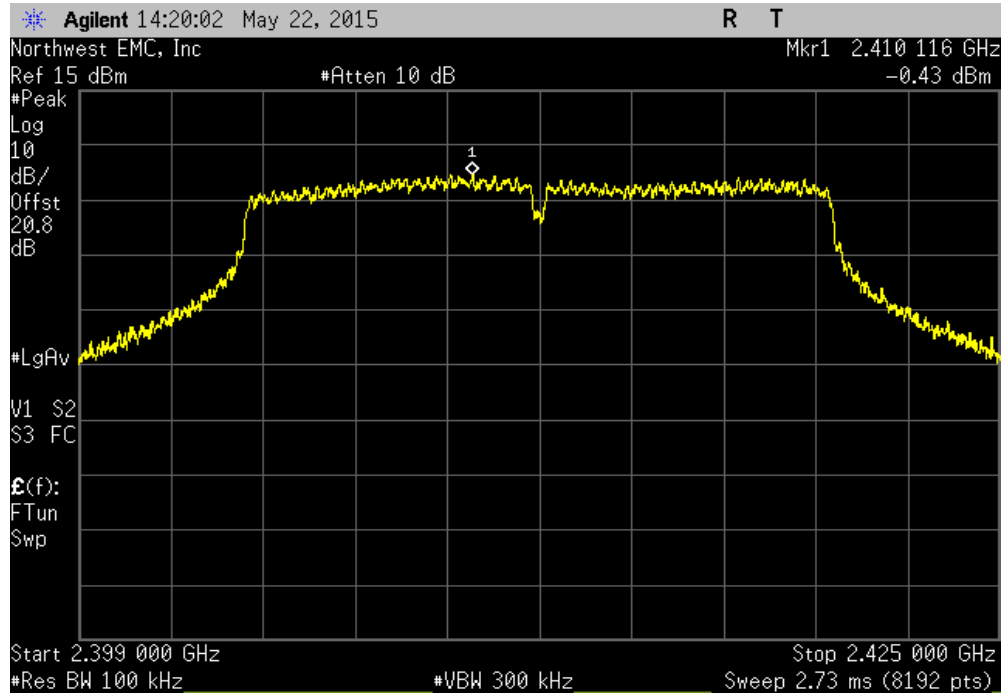


20 MHz, Chain B, 802.11(b) 11 Mbps, High Channel 11, 2462 MHz				
Frequency Range	Value (dBc)	Limit ≤ (dBc)	Result	
12.5 GHz - 25 GHz	-57.31	-20	Pass	

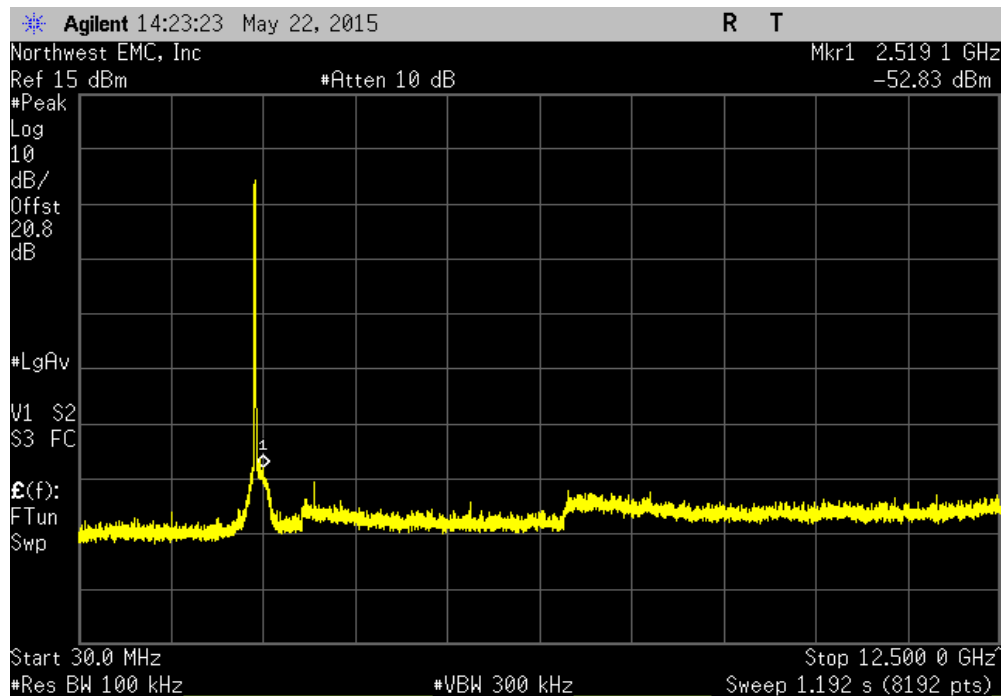


SPURIOUS CONDUCTED EMISSIONS

20 MHz, Chain B, 802.11(g) 6 Mbps, Low Channel 1, 2412 MHz						
Frequency Range		Value (dBc)	Limit ≤ (dBc)	Result		
Fundamental		N/A	N/A	N/A		

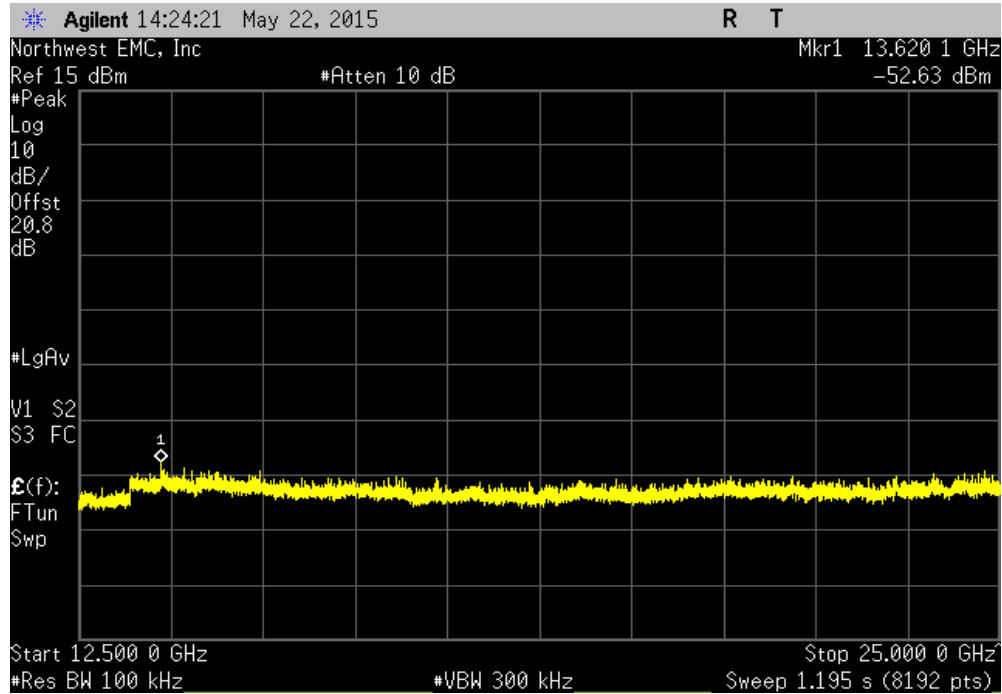


20 MHz, Chain B, 802.11(g) 6 Mbps, Low Channel 1, 2412 MHz						
Frequency Range		Value (dBc)	Limit ≤ (dBc)	Result		
30 MHz - 12.5 GHz		-52.41	-20	Pass		

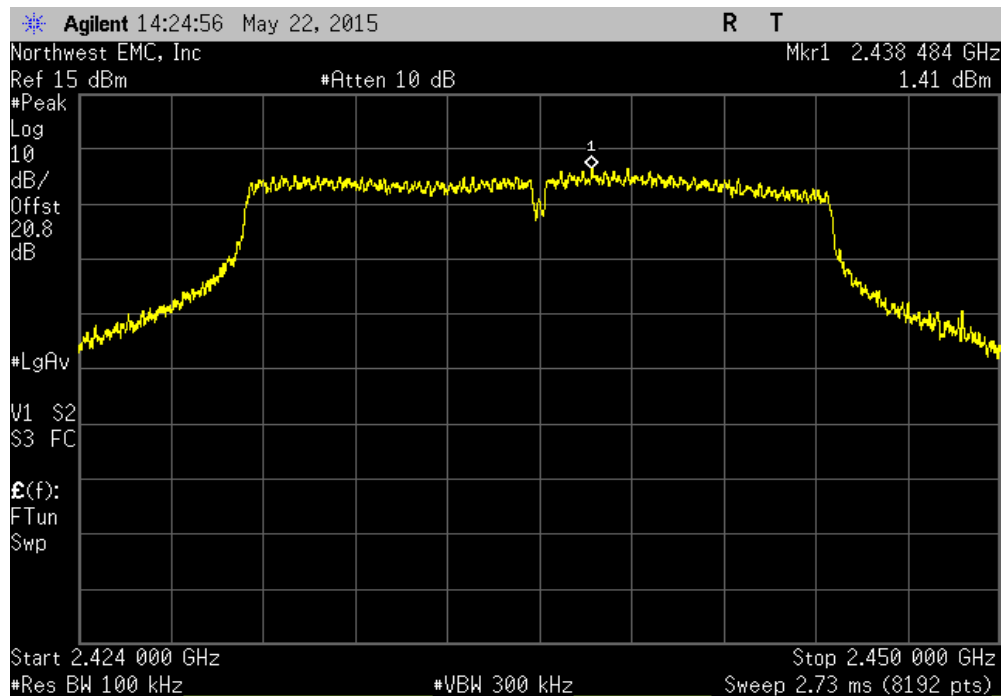


SPURIOUS CONDUCTED EMISSIONS

20 MHz, Chain B, 802.11(g) 6 Mbps, Low Channel 1, 2412 MHz				
Frequency Range	Value (dBc)	Limit ≤ (dBc)	Result	
12.5 GHz - 25 GHz	-52.2	-20	Pass	

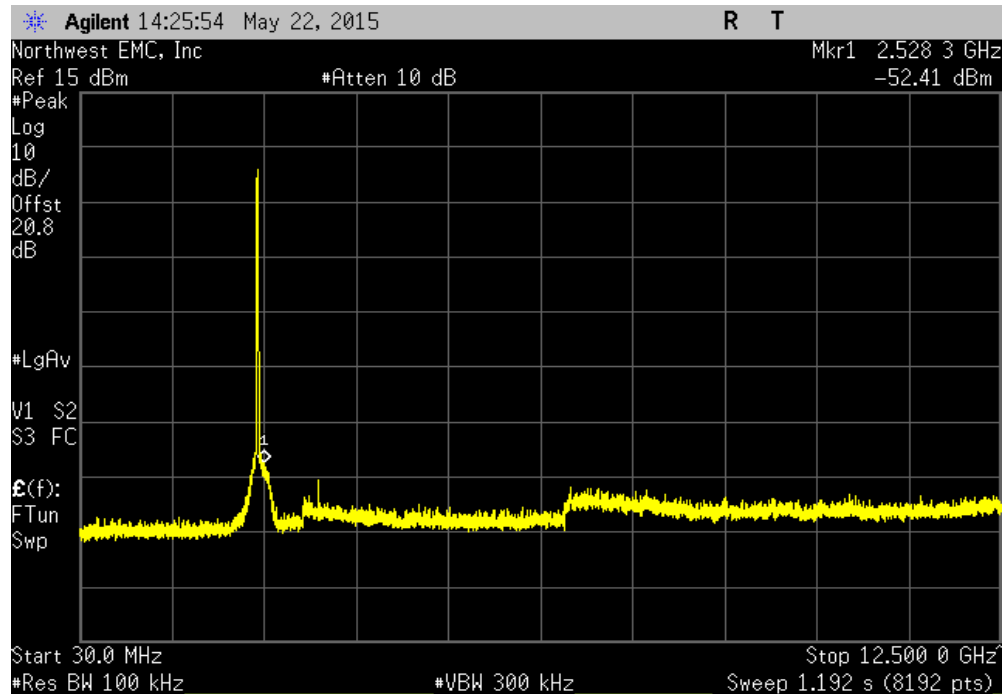


20 MHz, Chain B, 802.11(g) 6 Mbps, Mid Channel 6, 2437 MHz				
Frequency Range	Value (dBc)	Limit ≤ (dBc)	Result	
Fundamental	N/A	N/A	N/A	

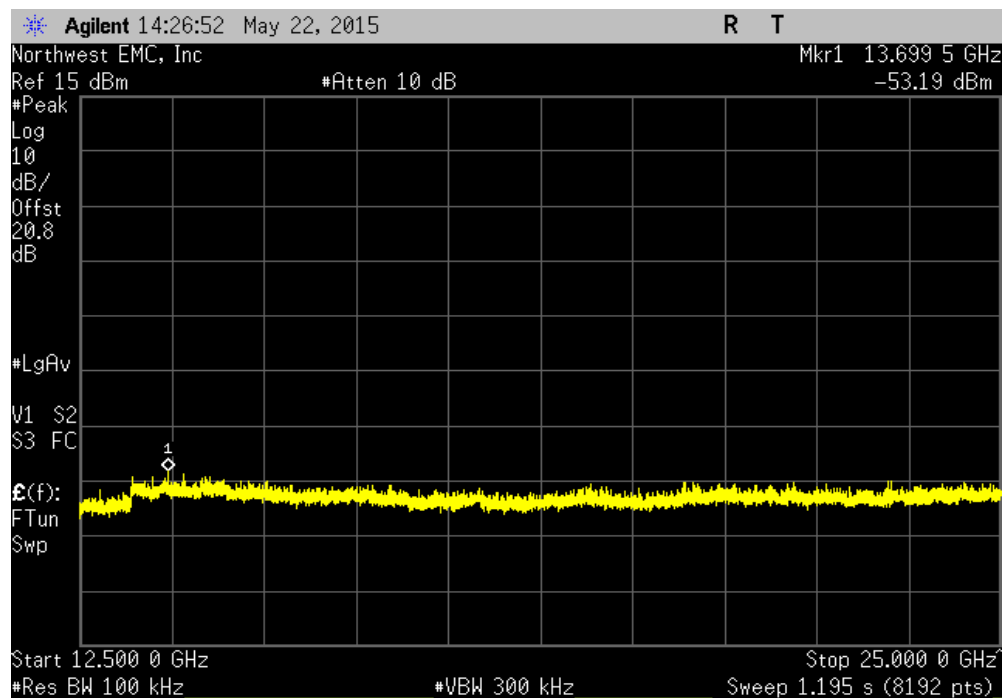


SPURIOUS CONDUCTED EMISSIONS

20 MHz, Chain B, 802.11(g) 6 Mbps, Mid Channel 6, 2437 MHz				
Frequency Range	Value (dBc)	Limit ≤ (dBc)	Result	
30 MHz - 12.5 GHz	-53.82	-20	Pass	

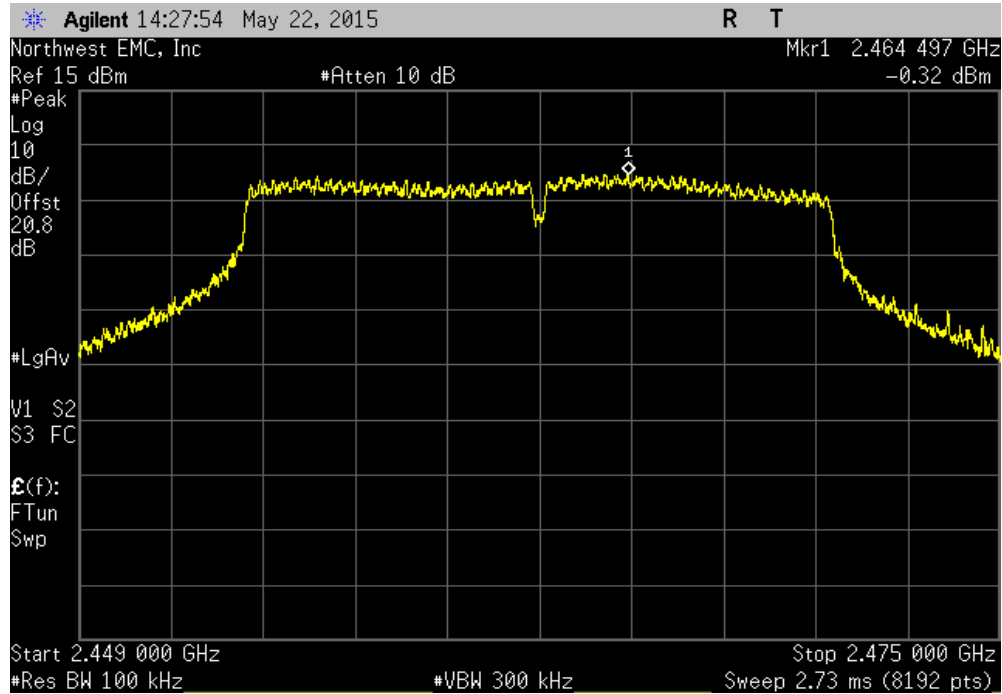


20 MHz, Chain B, 802.11(g) 6 Mbps, Mid Channel 6, 2437 MHz				
Frequency Range	Value (dBc)	Limit ≤ (dBc)	Result	
12.5 GHz - 25 GHz	-54.6	-20	Pass	

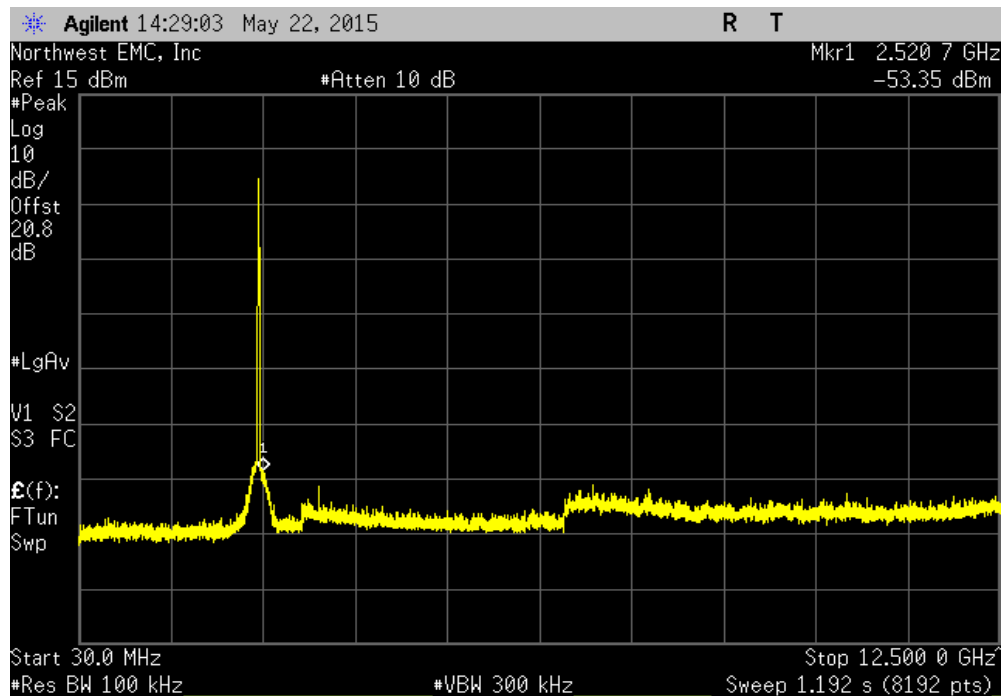


SPURIOUS CONDUCTED EMISSIONS

20 MHz, Chain B, 802.11(g) 6 Mbps, High Channel 11, 2462 MHz						
Frequency Range		Value (dBc)	Limit ≤ (dBc)	Result		
Fundamental		N/A	N/A	N/A		

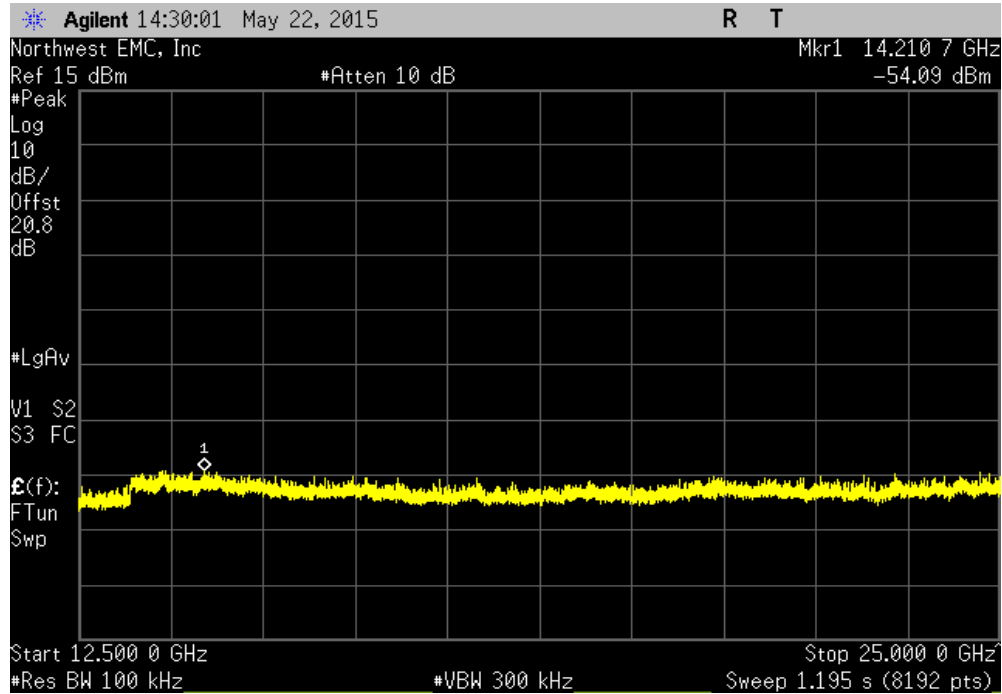


20 MHz, Chain B, 802.11(g) 6 Mbps, High Channel 11, 2462 MHz						
Frequency Range		Value (dBc)	Limit ≤ (dBc)	Result		
30 MHz - 12.5 GHz		-53.04	-20	Pass		

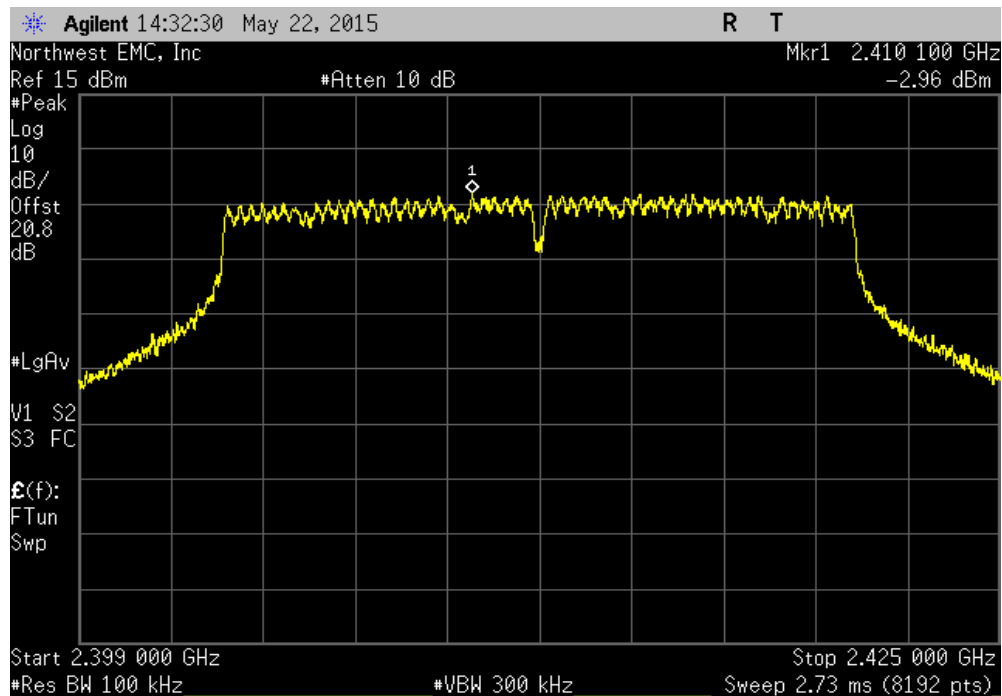


SPURIOUS CONDUCTED EMISSIONS

20 MHz, Chain B, 802.11(g) 6 Mbps, High Channel 11, 2462 MHz				
Frequency Range	Value (dBc)	Limit ≤ (dBc)	Result	
12.5 GHz - 25 GHz	-53.77	-20	Pass	

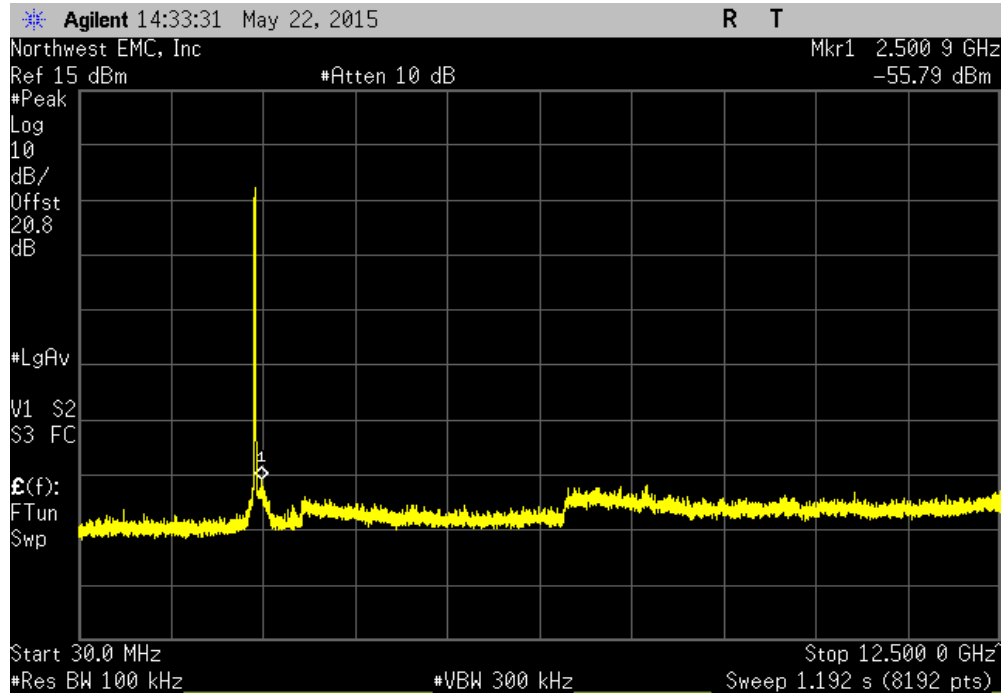


20 MHz, Chain B, 802.11(n) MCS7, Low Channel 1, 2412 MHz				
Frequency Range	Value (dBc)	Limit ≤ (dBc)	Result	
Fundamental	N/A	N/A	N/A	

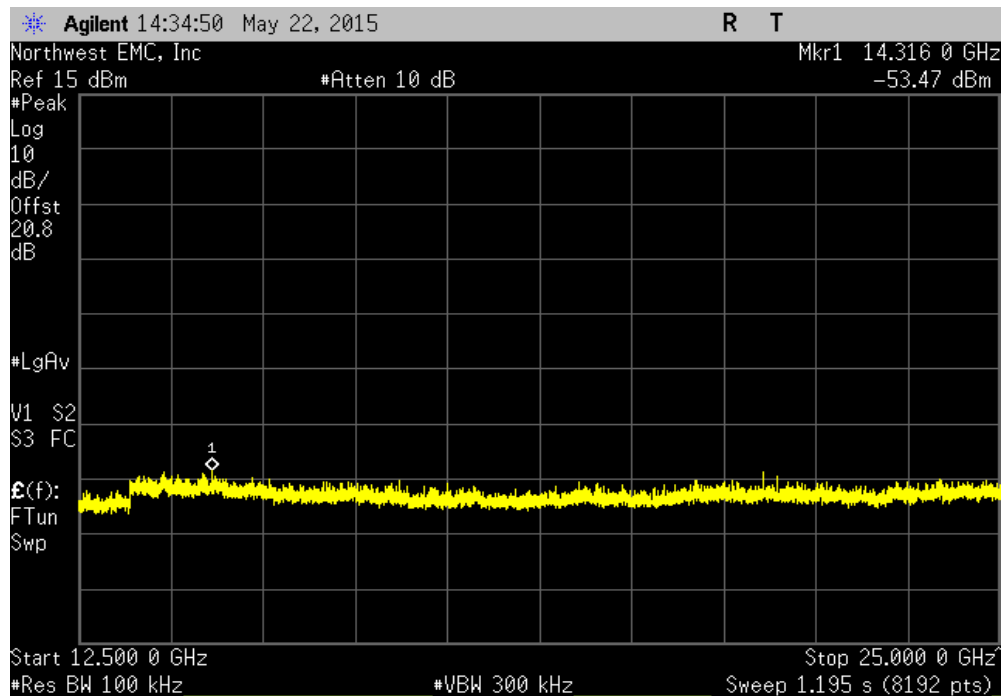


SPURIOUS CONDUCTED EMISSIONS

20 MHz, Chain B, 802.11(n) MCS7, Low Channel 1, 2412 MHz				
Frequency Range	Value (dBc)	Limit ≤ (dBc)	Result	
30 MHz - 12.5 GHz	-52.83	-20	Pass	

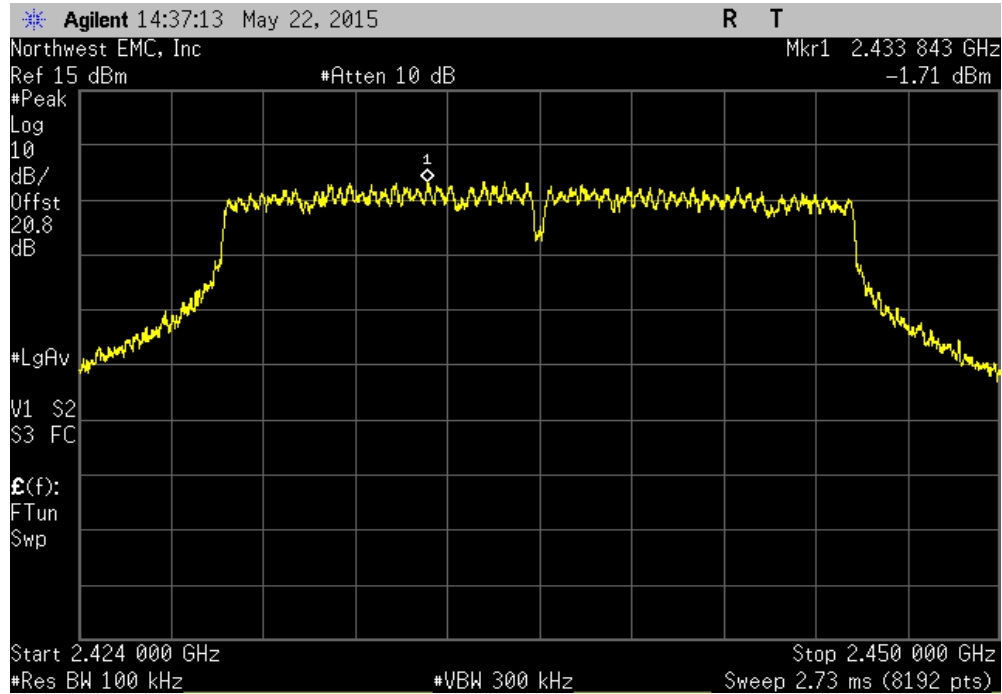


20 MHz, Chain B, 802.11(n) MCS7, Low Channel 1, 2412 MHz				
Frequency Range	Value (dBc)	Limit ≤ (dBc)	Result	
12.5 GHz - 25 GHz	-50.51	-20	Pass	

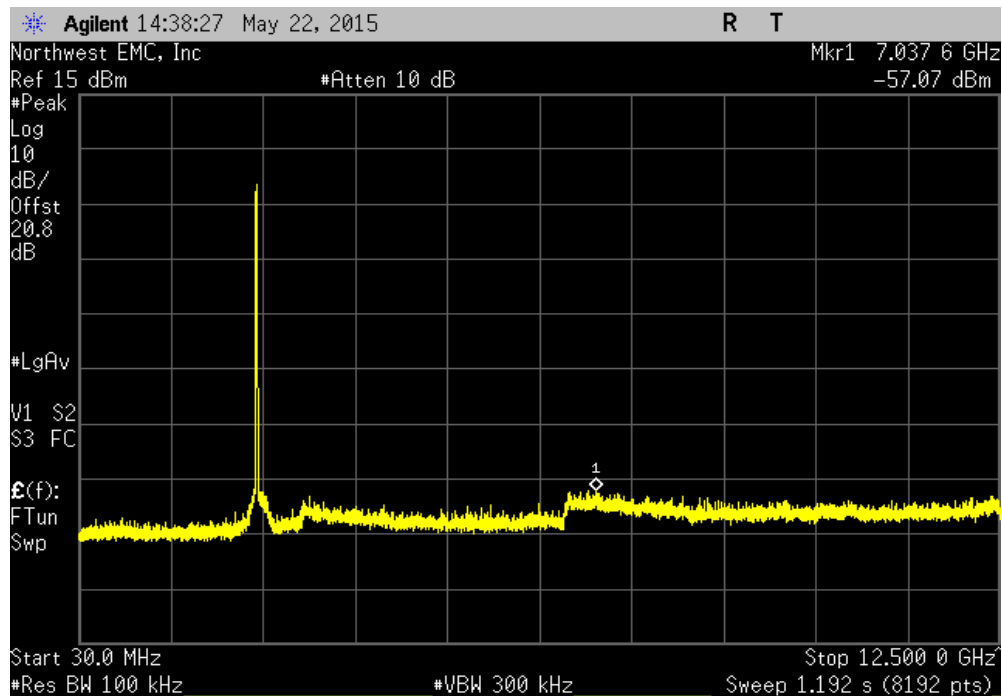


SPURIOUS CONDUCTED EMISSIONS

20 MHz, Chain B, 802.11(n) MCS7, Mid Channel 6, 2437 MHz						
Frequency Range		Value (dBc)	Limit ≤ (dBc)	Result		
Fundamental		N/A	N/A	N/A		

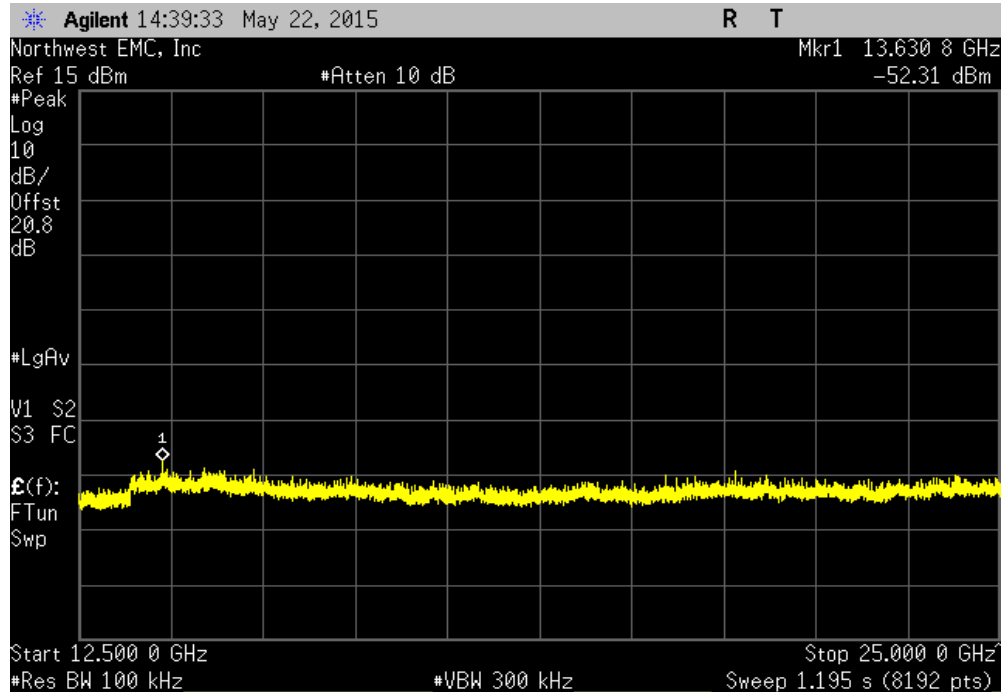


20 MHz, Chain B, 802.11(n) MCS7, Mid Channel 6, 2437 MHz						
Frequency Range		Value (dBc)	Limit ≤ (dBc)	Result		
30 MHz - 12.5 GHz		-55.36	-20	Pass		

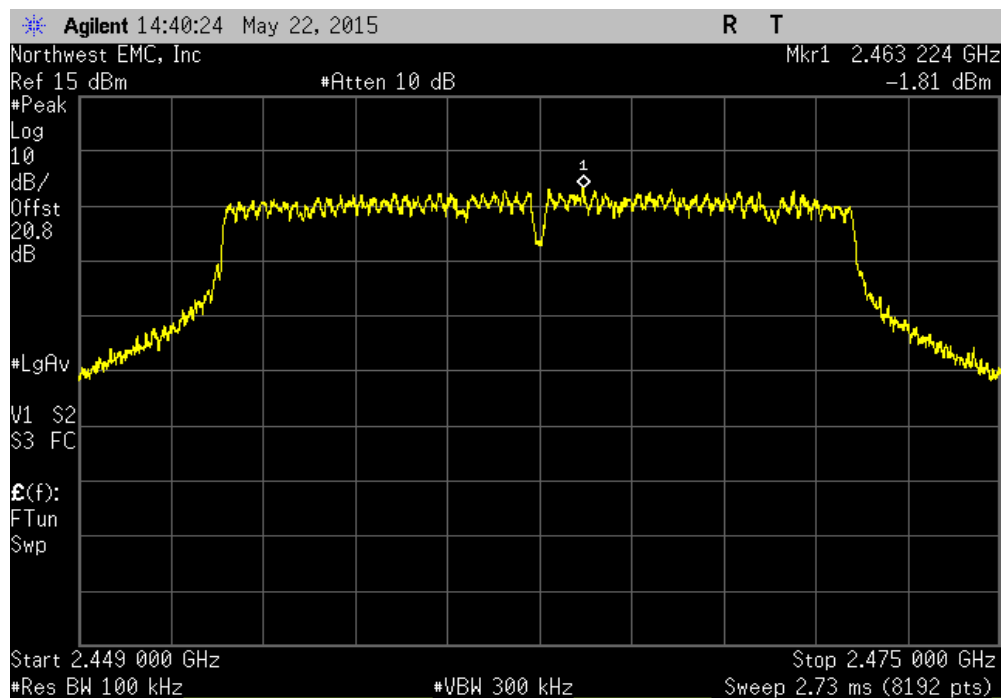


SPURIOUS CONDUCTED EMISSIONS

20 MHz, Chain B, 802.11(n) MCS7, Mid Channel 6, 2437 MHz				
Frequency Range	Value (dBc)	Limit ≤ (dBc)	Result	
12.5 GHz - 25 GHz	-50.6	-20	Pass	

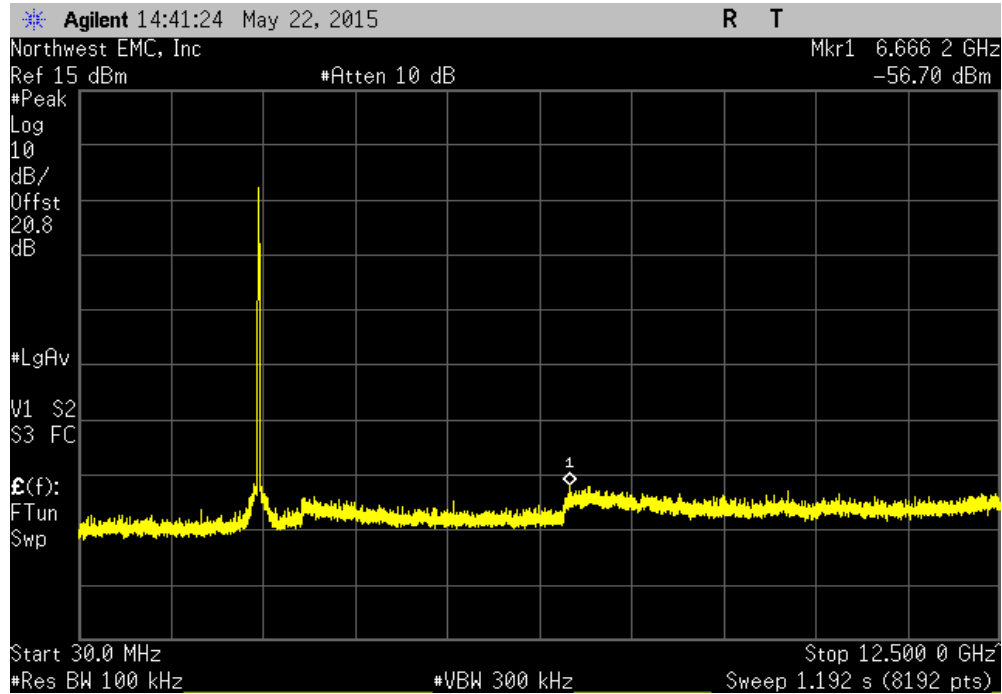


20 MHz, Chain B, 802.11(n) MCS7, High Channel 11, 2462 MHz				
Frequency Range	Value (dBc)	Limit ≤ (dBc)	Result	
Fundamental	N/A	N/A	N/A	

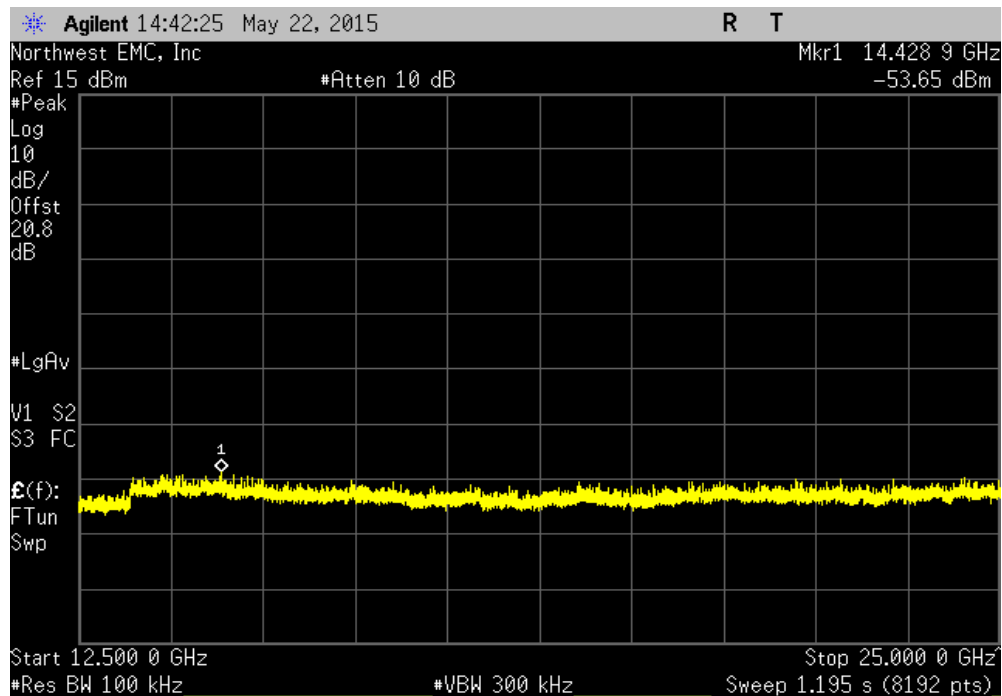


SPURIOUS CONDUCTED EMISSIONS

20 MHz, Chain B, 802.11(n) MCS7, High Channel 11, 2462 MHz				
Frequency Range	Value (dBc)	Limit ≤ (dBc)	Result	
30 MHz - 12.5 GHz	-54.89	-20	Pass	

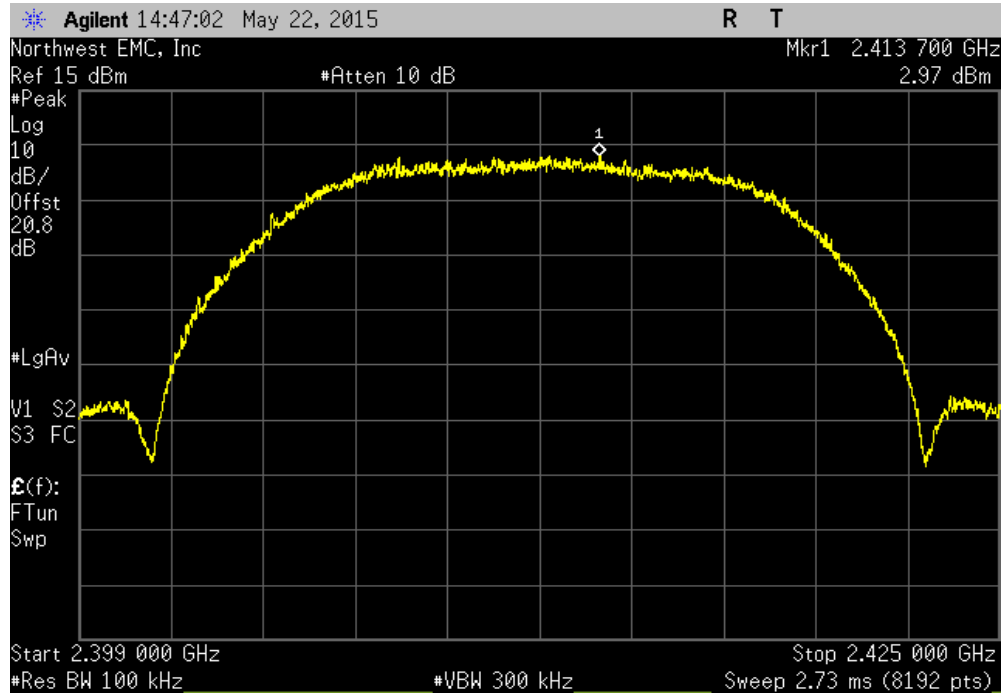


20 MHz, Chain B, 802.11(n) MCS7, High Channel 11, 2462 MHz				
Frequency Range	Value (dBc)	Limit ≤ (dBc)	Result	
12.5 GHz - 25 GHz	-51.84	-20	Pass	

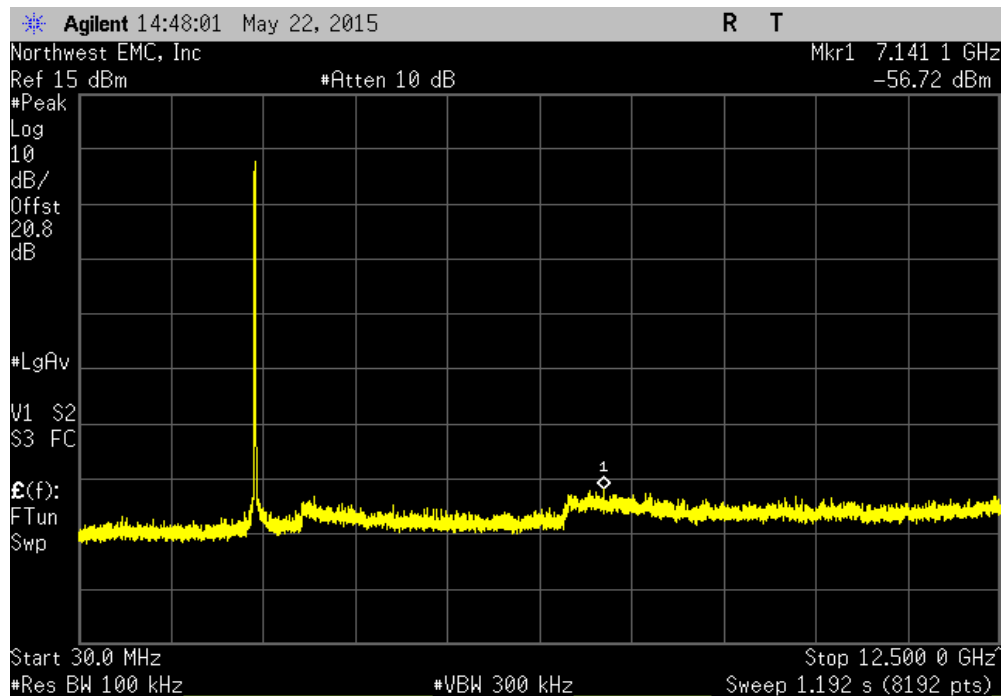


SPURIOUS CONDUCTED EMISSIONS

20 MHz, Chain C, 802.11(b) 11 Mbps, Low Channel 1, 2412 MHz						
Frequency Range		Value (dBc)	Limit ≤ (dBc)	Result		
Fundamental		N/A	N/A	N/A		

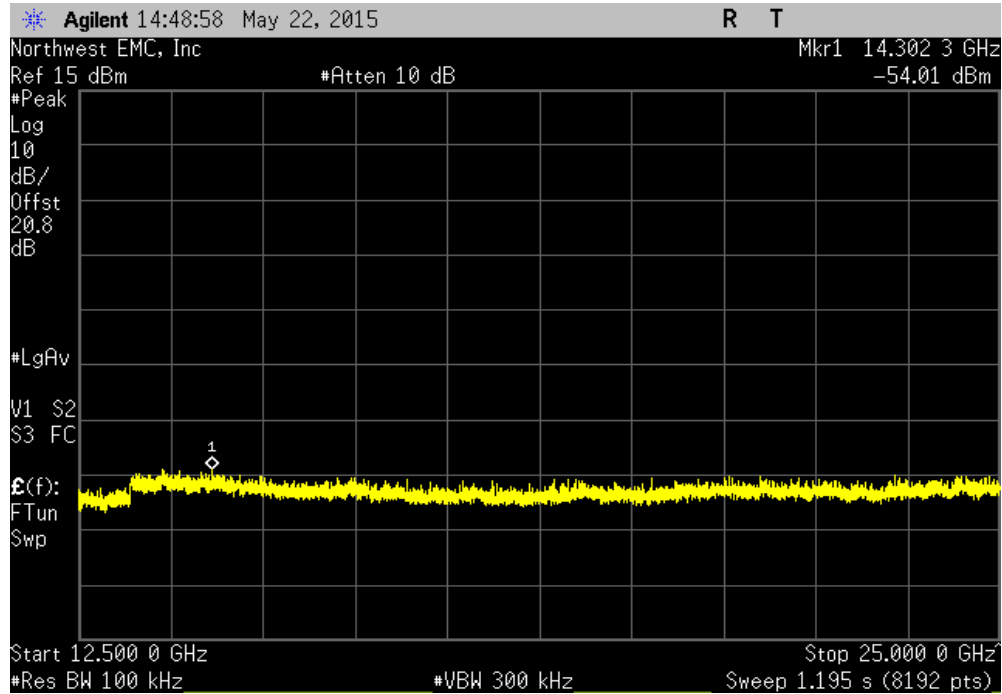


20 MHz, Chain C, 802.11(b) 11 Mbps, Low Channel 1, 2412 MHz						
Frequency Range		Value (dBc)	Limit ≤ (dBc)	Result		
30 MHz - 12.5 GHz		-59.69	-20	Pass		

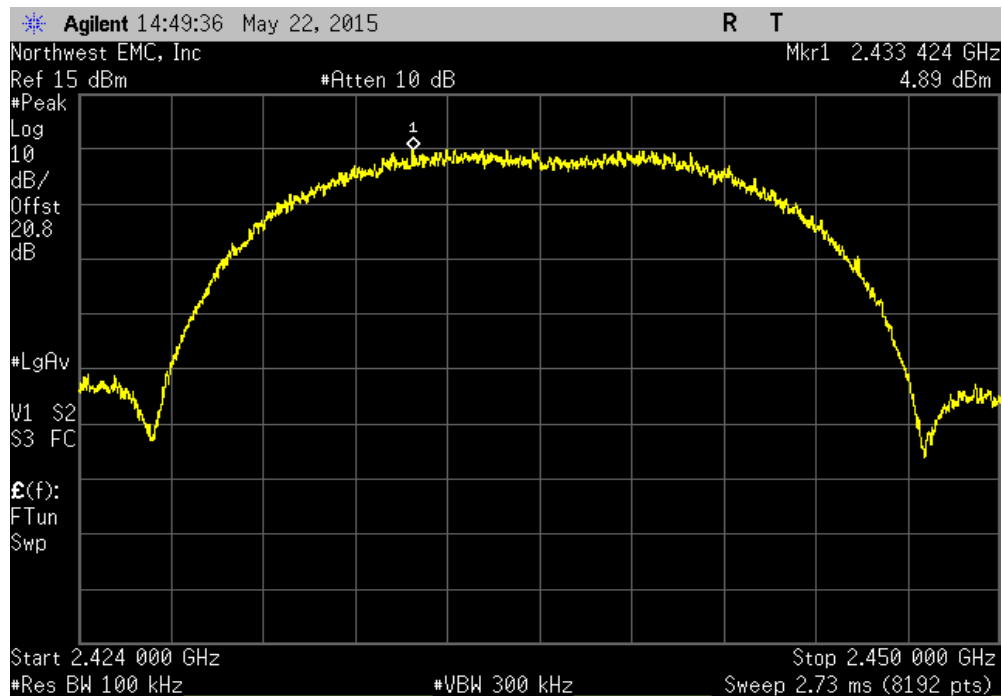


SPURIOUS CONDUCTED EMISSIONS

20 MHz, Chain C, 802.11(b) 11 Mbps, Low Channel 1, 2412 MHz				
Frequency Range	Value (dBc)	Limit ≤ (dBc)	Result	
12.5 GHz - 25 GHz	-56.98	-20	Pass	

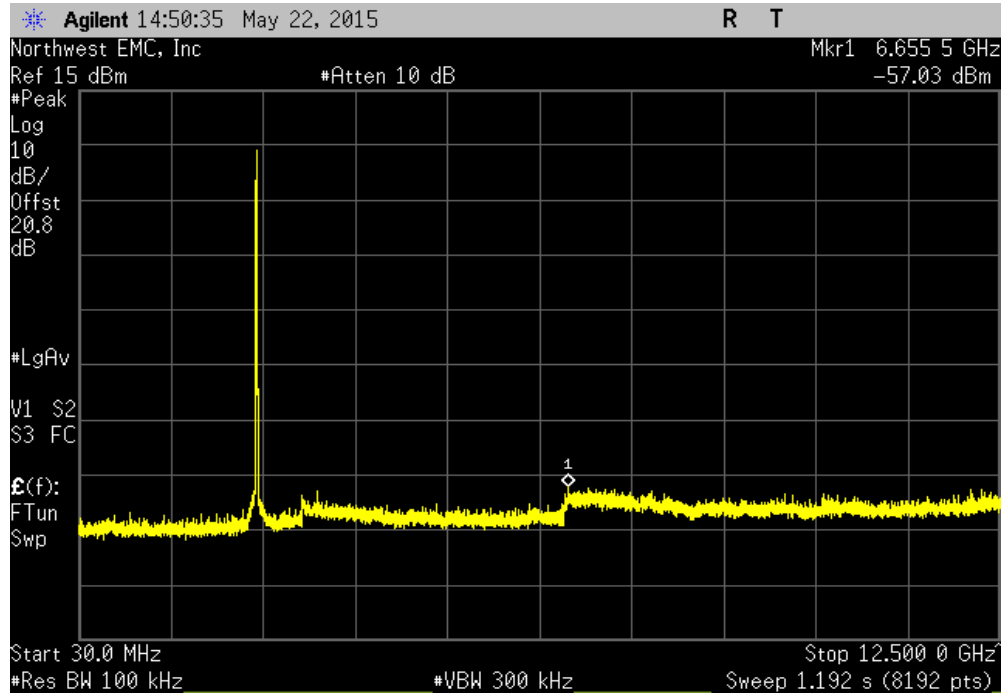


20 MHz, Chain C, 802.11(b) 11 Mbps, Mid Channel 6, 2437 MHz				
Frequency Range	Value (dBc)	Limit ≤ (dBc)	Result	
Fundamental	N/A	N/A	N/A	

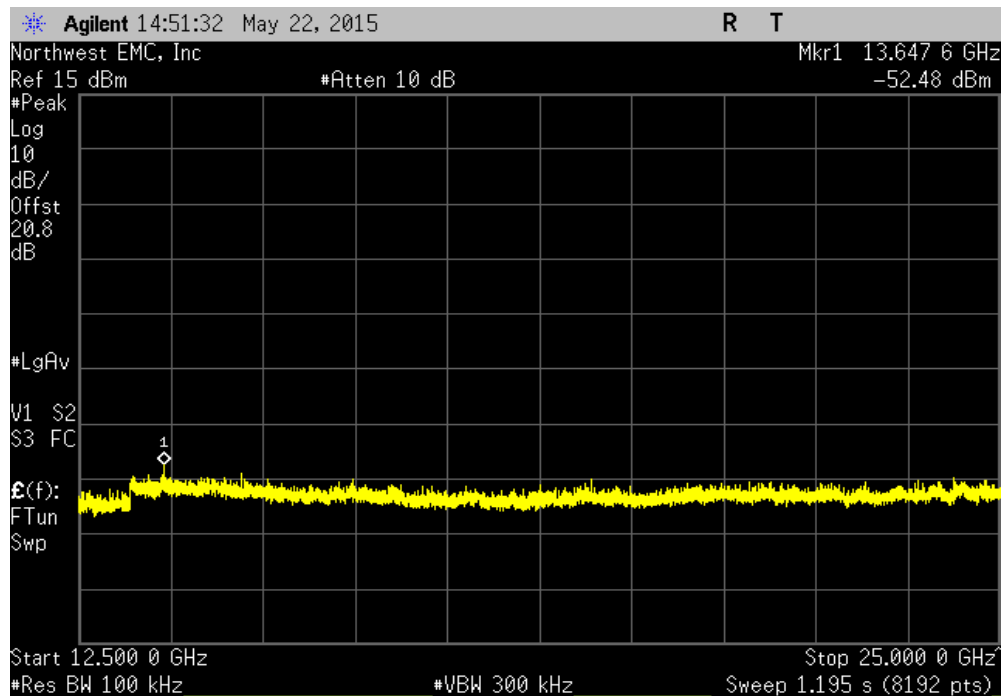


SPURIOUS CONDUCTED EMISSIONS

20 MHz, Chain C, 802.11(b) 11 Mbps, Mid Channel 6, 2437 MHz				
Frequency Range	Value (dBc)	Limit ≤ (dBc)	Result	
30 MHz - 12.5 GHz	-61.92	-20	Pass	

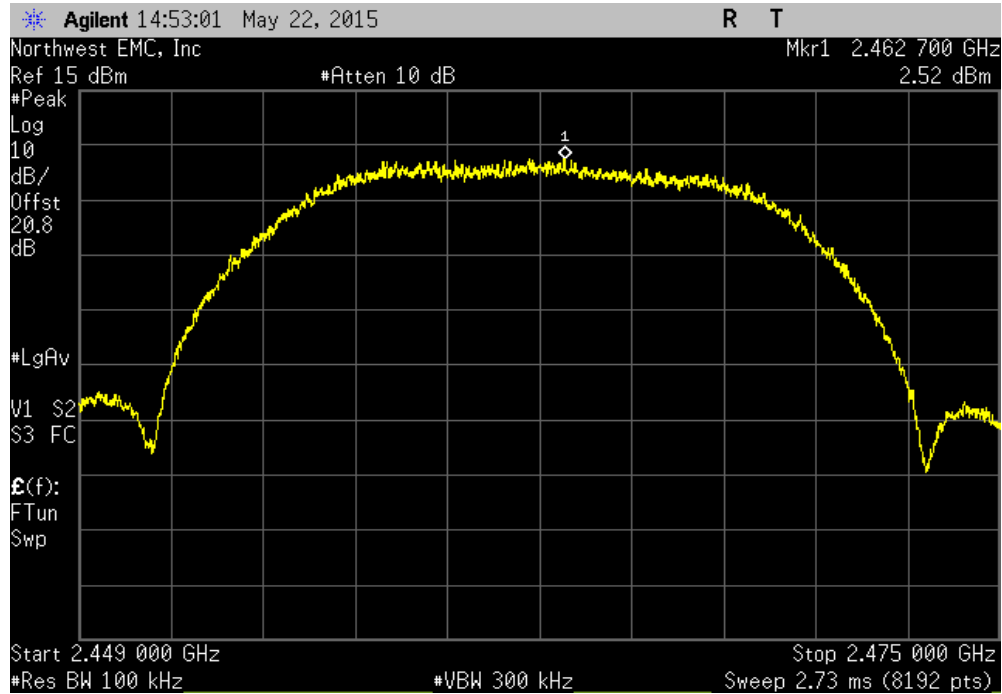


20 MHz, Chain C, 802.11(b) 11 Mbps, Mid Channel 6, 2437 MHz				
Frequency Range	Value (dBc)	Limit ≤ (dBc)	Result	
12.5 GHz - 25 GHz	-57.37	-20	Pass	

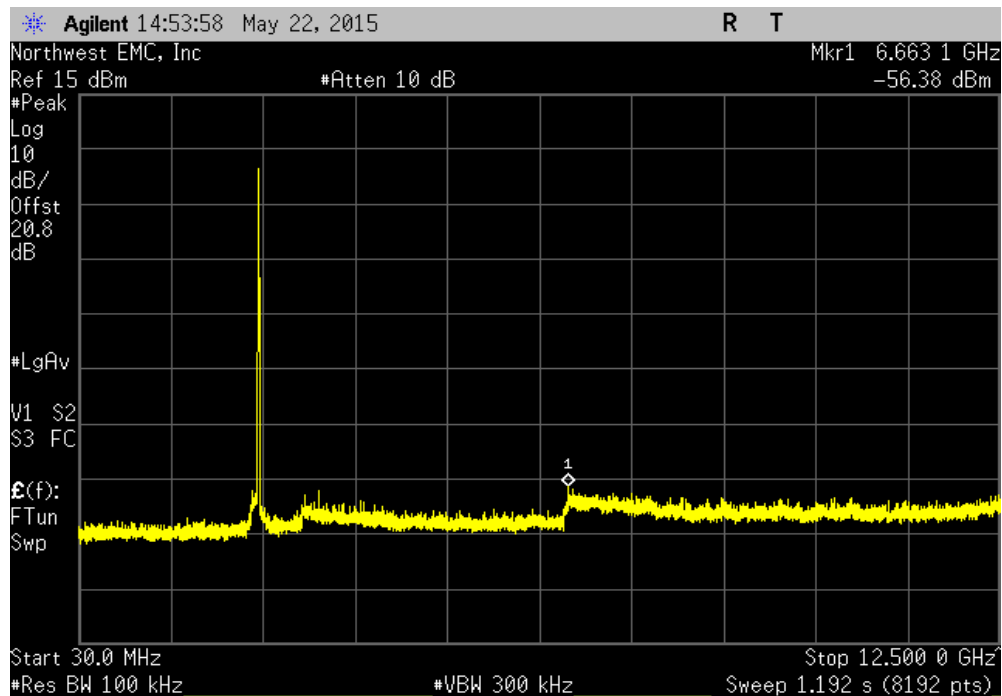


SPURIOUS CONDUCTED EMISSIONS

20 MHz, Chain C, 802.11(b) 11 Mbps, High Channel 11, 2462 MHz						
Frequency Range		Value (dBc)	Limit ≤ (dBc)	Result		
Fundamental		N/A	N/A	N/A		

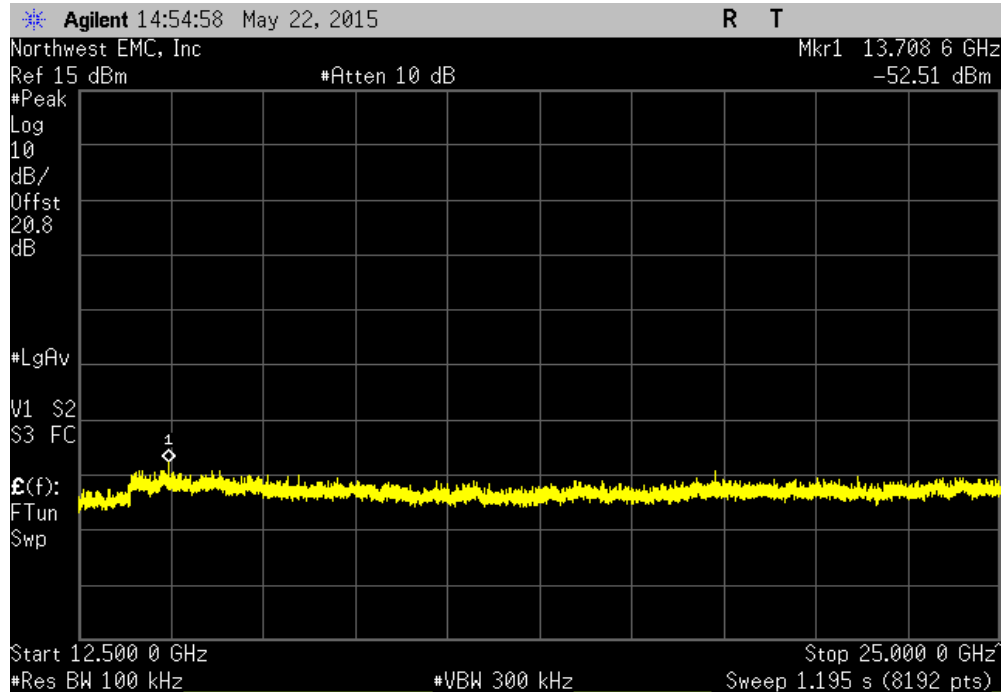


20 MHz, Chain C, 802.11(b) 11 Mbps, High Channel 11, 2462 MHz						
Frequency Range		Value (dBc)	Limit ≤ (dBc)	Result		
30 MHz - 12.5 GHz		-58.91	-20	Pass		

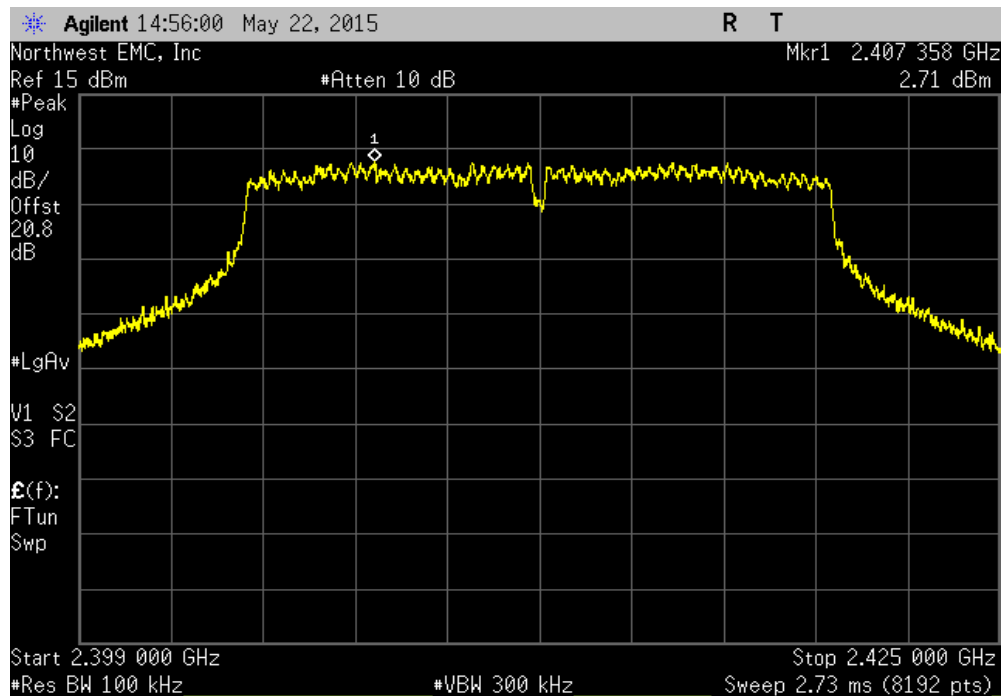


SPURIOUS CONDUCTED EMISSIONS

20 MHz, Chain C, 802.11(b) 11 Mbps, High Channel 11, 2462 MHz				
Frequency Range	Value (dBc)	Limit ≤ (dBc)	Result	
12.5 GHz - 25 GHz	-55.03	-20	Pass	

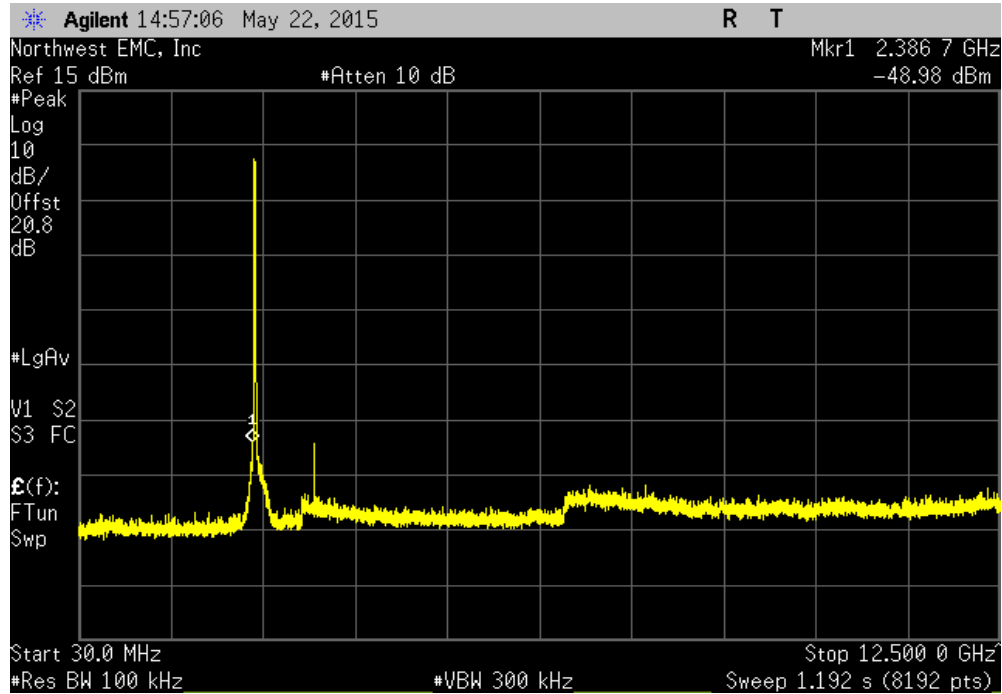


20 MHz, Chain C, 802.11(g) 36 Mbps, Low Channel 1, 2412 MHz				
Frequency Range	Value (dBc)	Limit ≤ (dBc)	Result	
Fundamental	N/A	N/A	N/A	

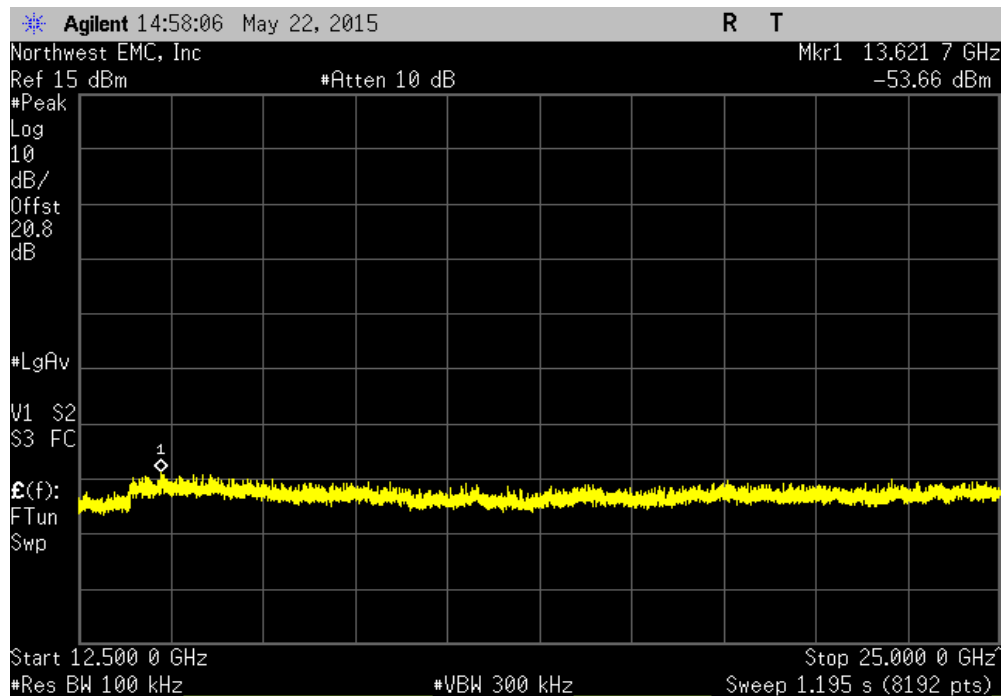


SPURIOUS CONDUCTED EMISSIONS

20 MHz, Chain C, 802.11(g) 36 Mbps, Low Channel 1, 2412 MHz				
Frequency Range	Value (dBc)	Limit ≤ (dBc)	Result	
30 MHz - 12.5 GHz	-51.69	-20	Pass	

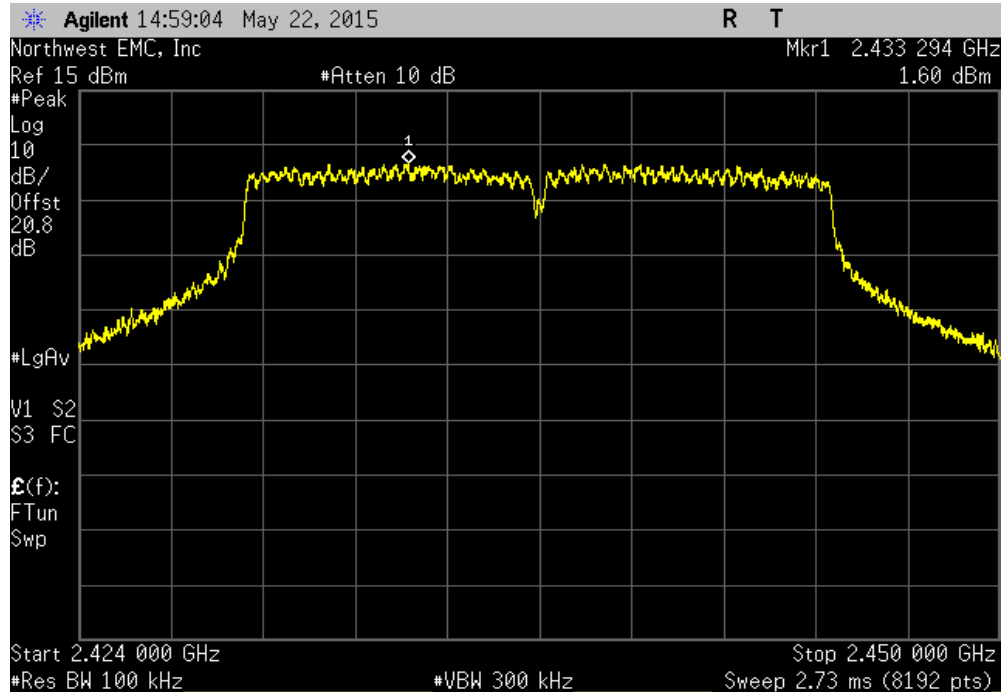


20 MHz, Chain C, 802.11(g) 36 Mbps, Low Channel 1, 2412 MHz				
Frequency Range	Value (dBc)	Limit ≤ (dBc)	Result	
12.5 GHz - 25 GHz	-56.37	-20	Pass	

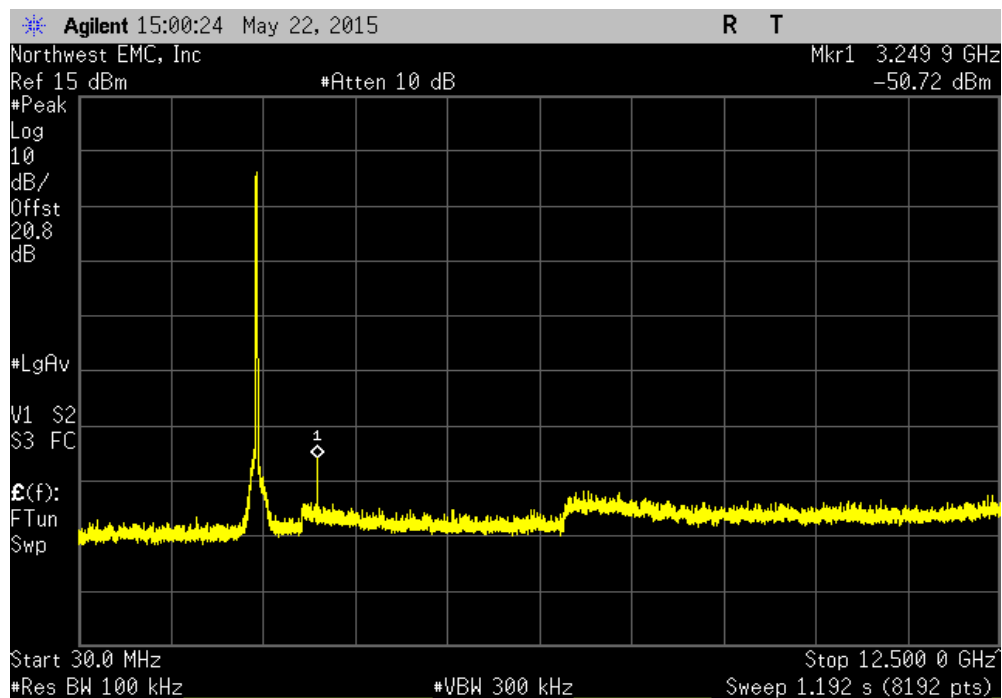


SPURIOUS CONDUCTED EMISSIONS

20 MHz, Chain C, 802.11(g) 36 Mbps, Mid Channel 6, 2437 MHz						
Frequency Range		Value (dBc)	Limit ≤ (dBc)	Result		
Fundamental		N/A	N/A	N/A		

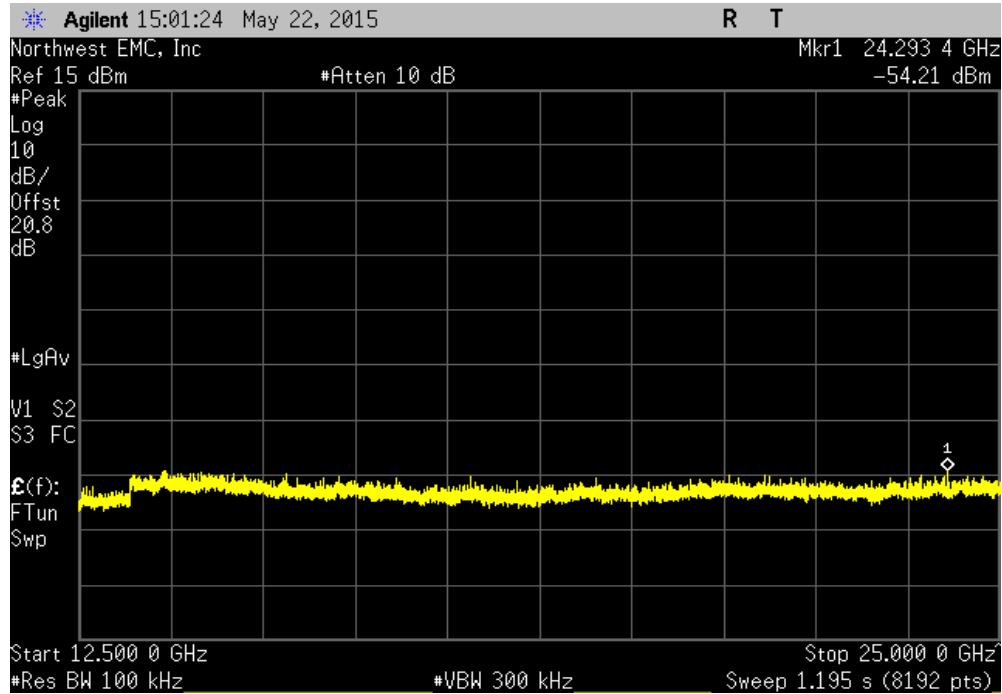


20 MHz, Chain C, 802.11(g) 36 Mbps, Mid Channel 6, 2437 MHz						
Frequency Range		Value (dBc)	Limit ≤ (dBc)	Result		
30 MHz - 12.5 GHz		-52.32	-20	Pass		

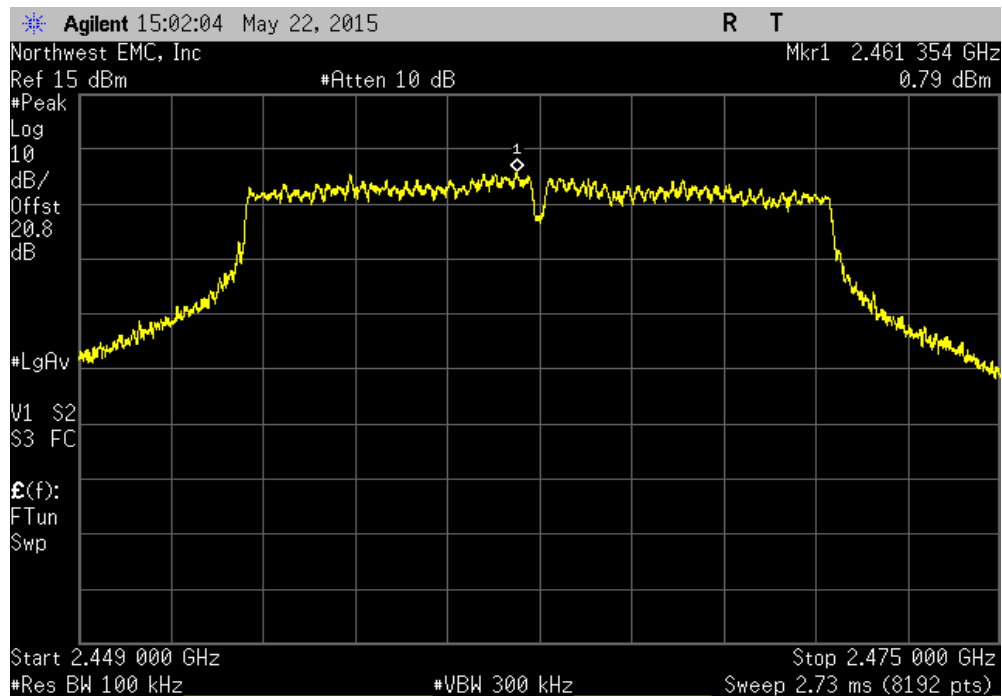


SPURIOUS CONDUCTED EMISSIONS

20 MHz, Chain C, 802.11(g) 36 Mbps, Mid Channel 6, 2437 MHz				
Frequency Range	Value (dBc)	Limit ≤ (dBc)	Result	
12.5 GHz - 25 GHz	-55.81	-20	Pass	

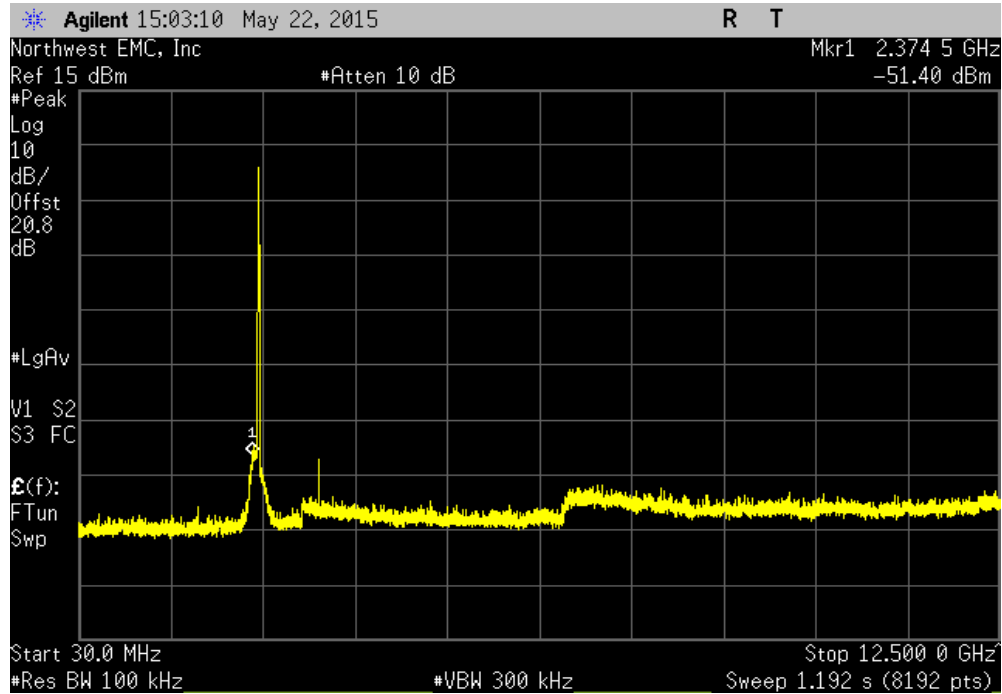


20 MHz, Chain C, 802.11(g) 36 Mbps, High Channel 11, 2462 MHz				
Frequency Range	Value (dBc)	Limit ≤ (dBc)	Result	
Fundamental	N/A	N/A	N/A	

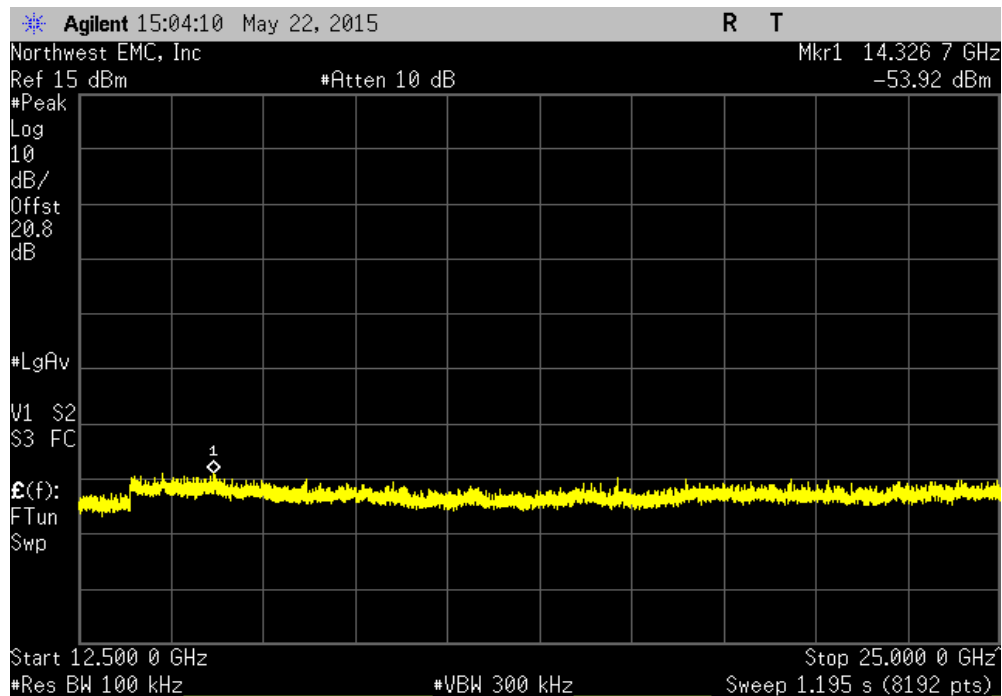


SPURIOUS CONDUCTED EMISSIONS

20 MHz, Chain C, 802.11(g) 36 Mbps, High Channel 11, 2462 MHz				
Frequency Range	Value (dBc)	Limit ≤ (dBc)	Result	
30 MHz - 12.5 GHz	-52.2	-20	Pass	

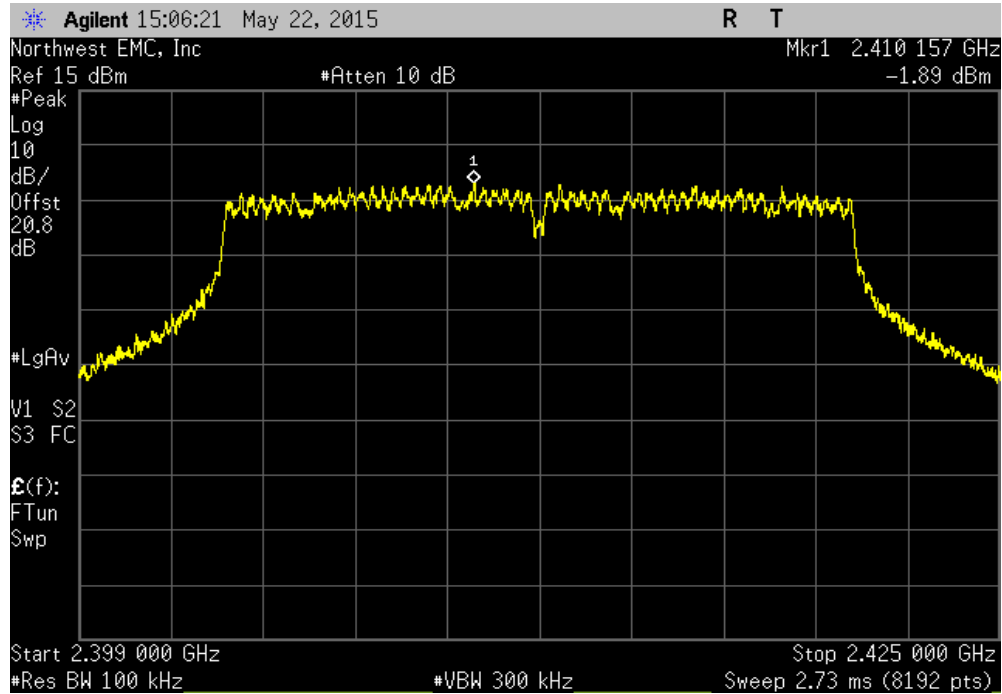


20 MHz, Chain C, 802.11(g) 36 Mbps, High Channel 11, 2462 MHz				
Frequency Range	Value (dBc)	Limit ≤ (dBc)	Result	
12.5 GHz - 25 GHz	-54.71	-20	Pass	

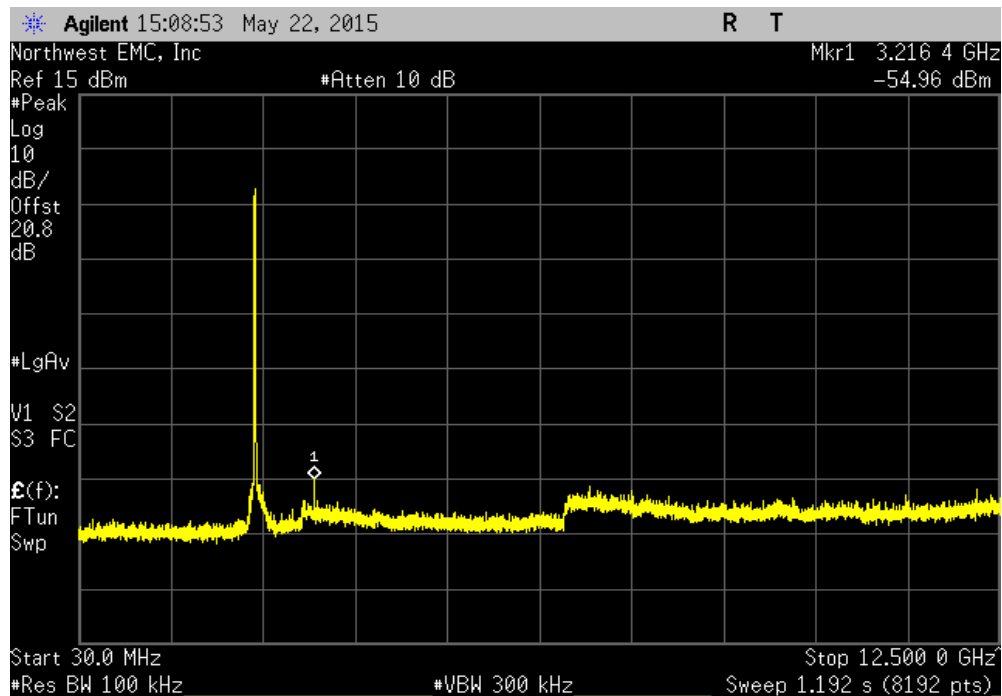


SPURIOUS CONDUCTED EMISSIONS

20 MHz, Chain C, 802.11(n) MCS7, Low Channel 1, 2412 MHz						
Frequency Range		Value (dBc)	Limit ≤ (dBc)	Result		
Fundamental		N/A	N/A	N/A		

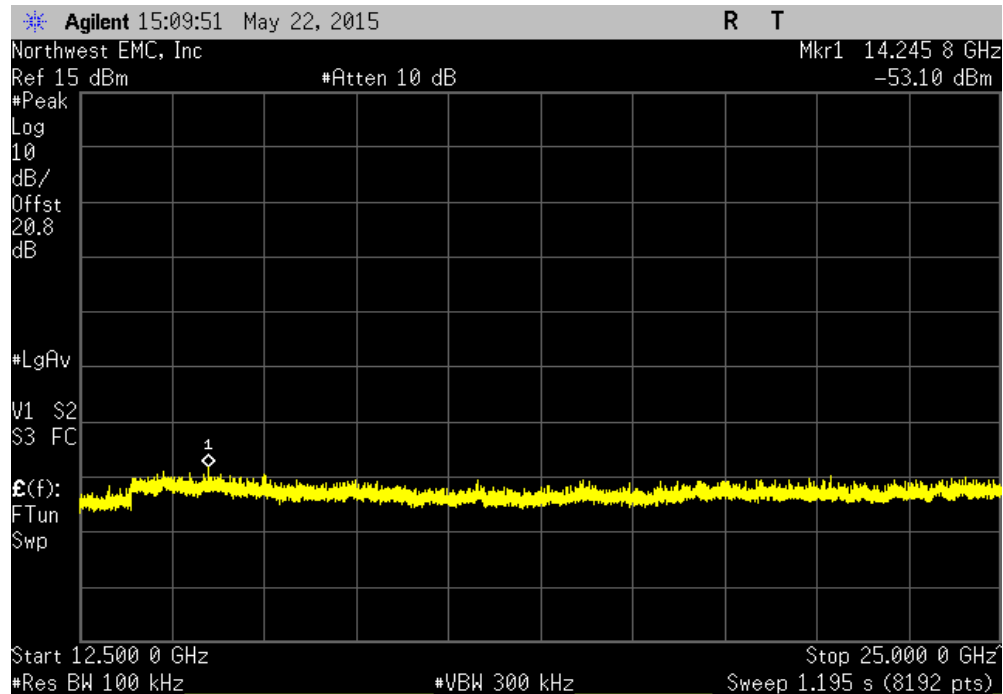


20 MHz, Chain C, 802.11(n) MCS7, Low Channel 1, 2412 MHz						
Frequency Range		Value (dBc)	Limit ≤ (dBc)	Result		
30 MHz - 12.5 GHz		-53.07	-20	Pass		

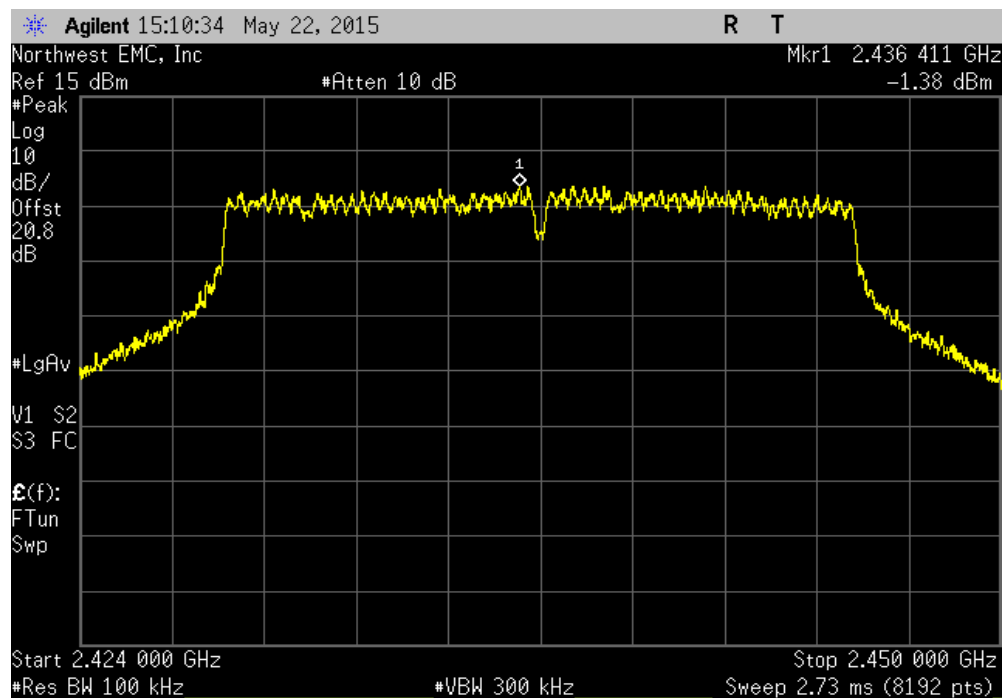


SPURIOUS CONDUCTED EMISSIONS

20 MHz, Chain C, 802.11(n) MCS7, Low Channel 1, 2412 MHz				
Frequency Range	Value (dBc)	Limit ≤ (dBc)	Result	
12.5 GHz - 25 GHz	-51.21	-20	Pass	

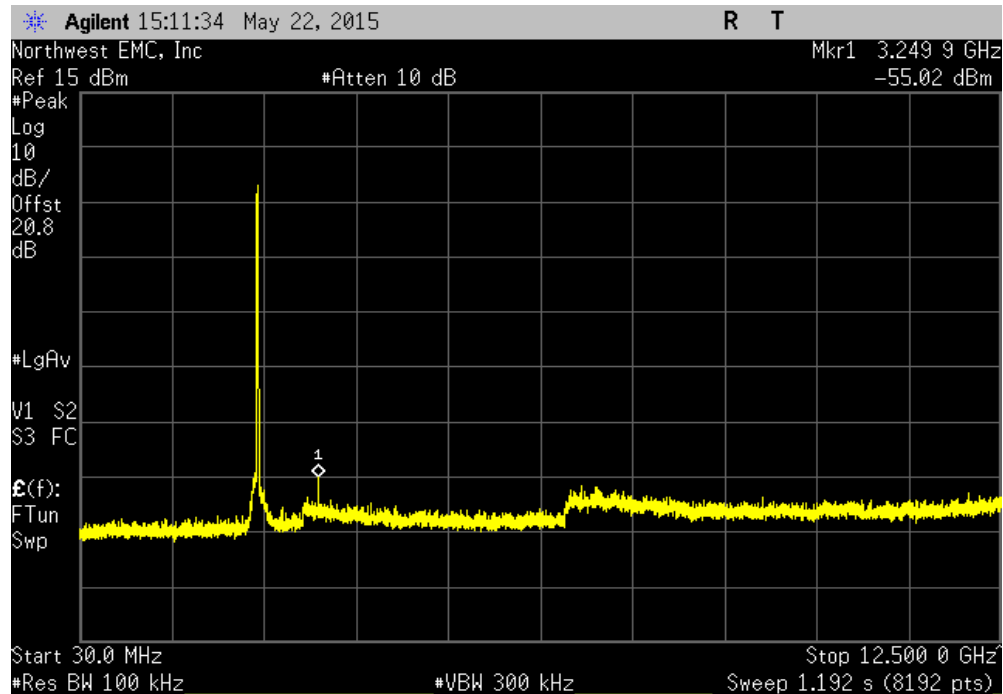


20 MHz, Chain C, 802.11(n) MCS7, Mid Channel 6, 2437 MHz				
Frequency Range	Value (dBc)	Limit ≤ (dBc)	Result	
Fundamental	N/A	N/A	N/A	

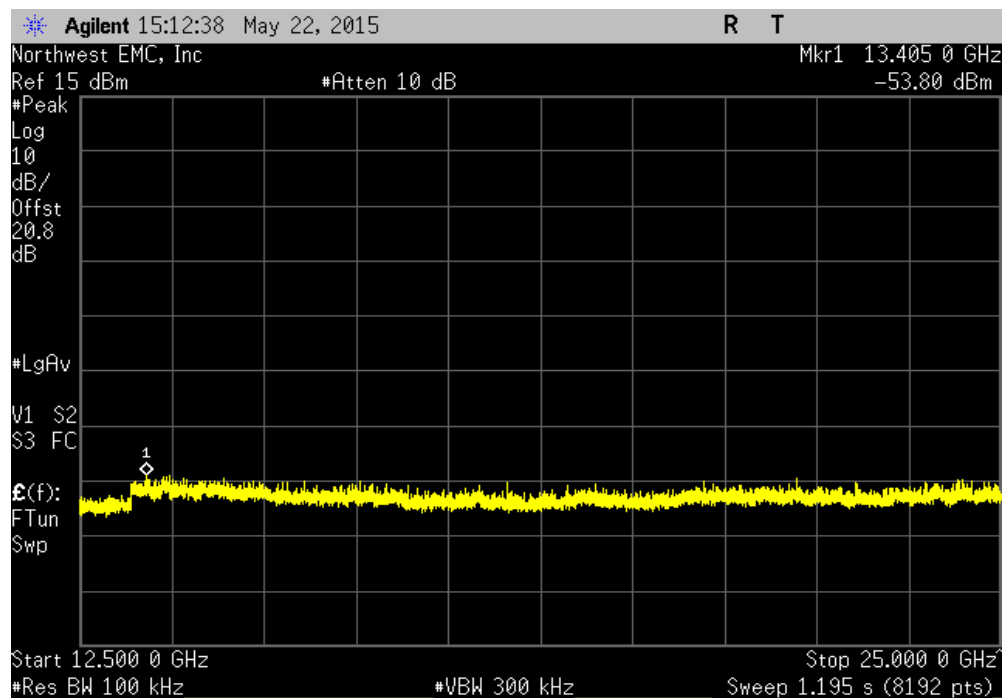


SPURIOUS CONDUCTED EMISSIONS

20 MHz, Chain C, 802.11(n) MCS7, Mid Channel 6, 2437 MHz				
Frequency Range	Value (dBc)	Limit ≤ (dBc)	Result	
30 MHz - 12.5 GHz	-53.64	-20	Pass	

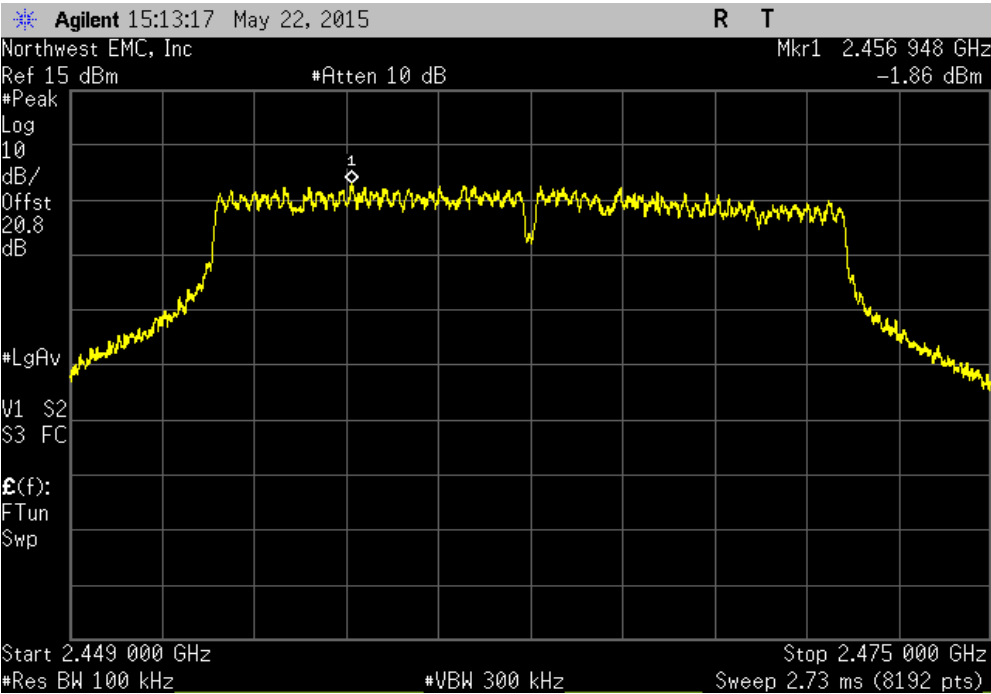


20 MHz, Chain C, 802.11(n) MCS7, Mid Channel 6, 2437 MHz				
Frequency Range	Value (dBc)	Limit ≤ (dBc)	Result	
12.5 GHz - 25 GHz	-52.42	-20	Pass	

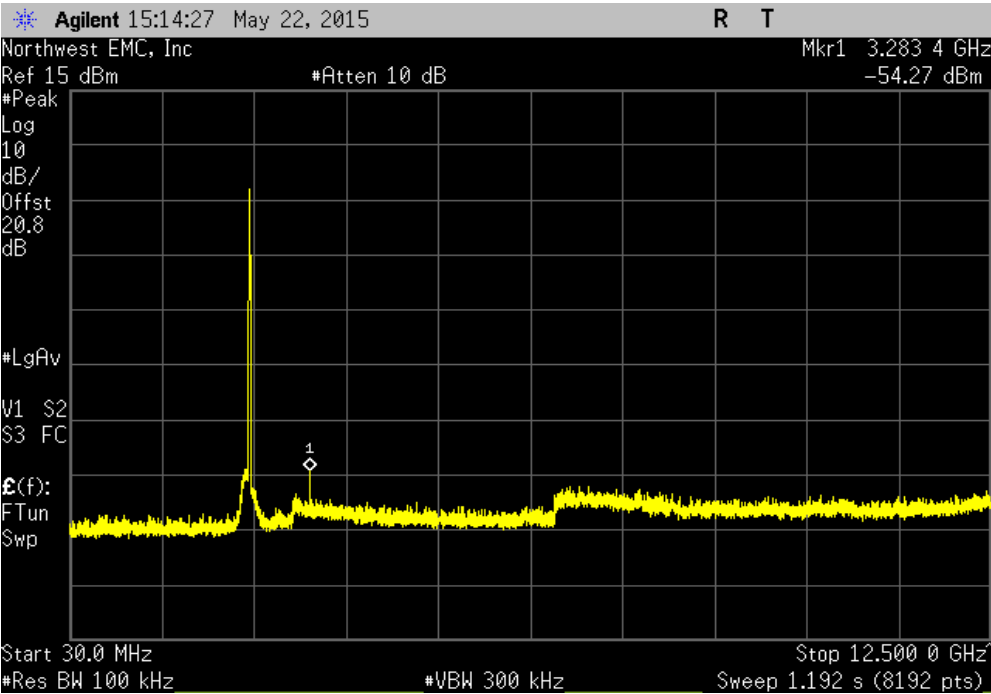


SPURIOUS CONDUCTED EMISSIONS

20 MHz, Chain C, 802.11(n) MCS7, High Channel 11, 2462 MHz						
Frequency Range		Value (dBc)	Limit ≤ (dBc)	Result		
Fundamental		N/A	N/A	N/A		

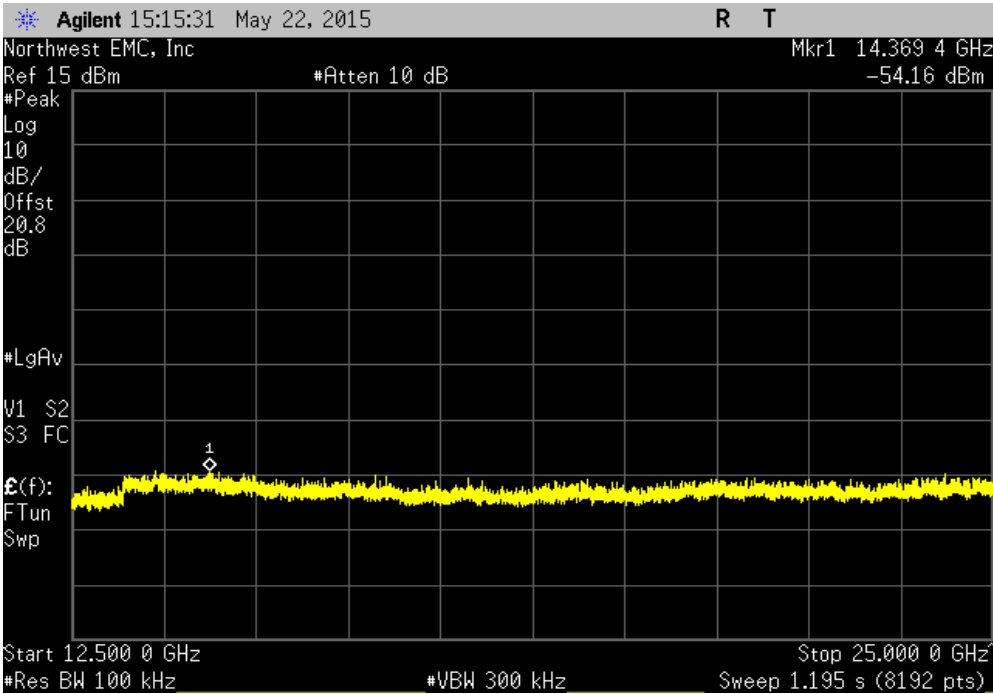


20 MHz, Chain C, 802.11(n) MCS7, High Channel 11, 2462 MHz						
Frequency Range		Value (dBc)	Limit ≤ (dBc)	Result		
30 MHz - 12.5 GHz		-52.41	-20	Pass		



SPURIOUS CONDUCTED EMISSIONS

20 MHz, Chain C, 802.11(n) MCS7, High Channel 11, 2462 MHz				
Frequency Range	Value (dBc)	Limit ≤ (dBc)	Result	
12.5 GHz - 25 GHz	-52.3	-20	Pass	



OCCUPIED BANDWIDTH

Testing was performed using the mode(s) of operation and configuration(s) noted within the report. The individuals and/or the organization requesting the test provided the modes, configurations and settings used to complete the evaluation. The actual test parameters are specified in the test data, this includes items such as investigated frequency range (scanned) and test levels. The testing methods and performance specifications, as well as the test site used for the evaluation are indicated in the test data.

TEST EQUIPMENT

Description	Manufacturer	Model	ID	Last Cal.	Interval (mo)
Signal Generator, 40 GHz	Agilent	N5173B	TIW	7/15/2014	36
DC Block, 40 GHz	Fairview Microwave	SD3379	AMM	2/27/2015	12
Attenuator, 20dB, 40 GHz	Fairview Microwave	SA4018-20	TQY	2/27/2015	12
Spectrum Analyzer	Agilent	E4440A	AFD	7/14/2014	12

TEST DESCRIPTION

The 6dB occupied bandwidth was measured using 100 kHz resolution bandwidth and 300 kHz video bandwidth. The 99.9% (approximate 26 dB) emission bandwidth (EBW) was also measured at the same time.

The EUT was set to the channels and modes listed in the datasheet. The measurement was made using a direct connection between the RF output of the EUT and the spectrum analyzer.

OCCUPIED BANDWIDTH



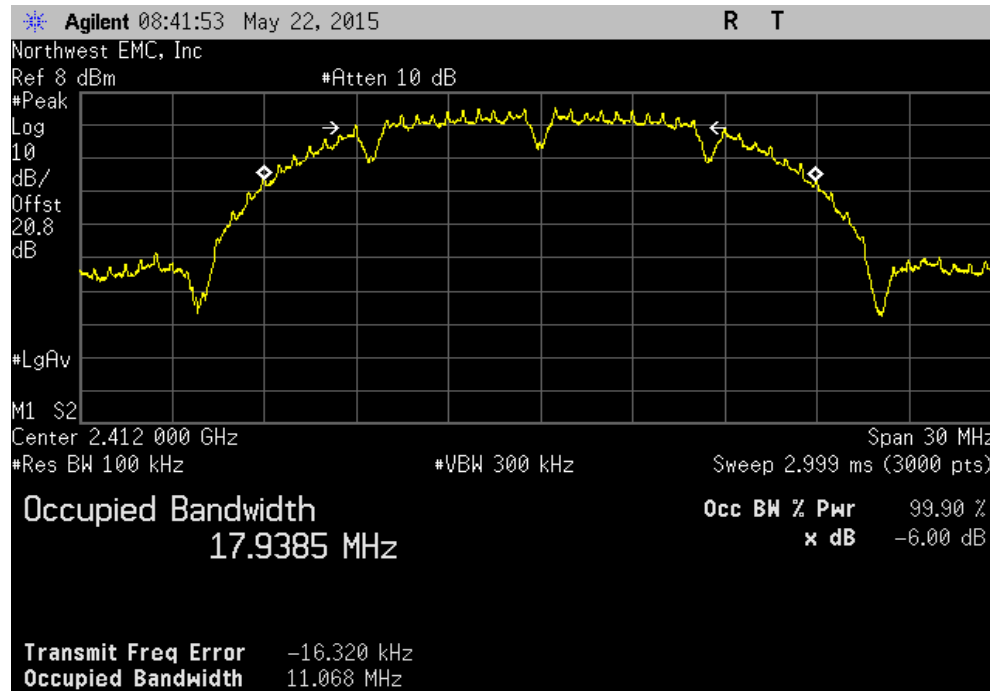
XMT 2015.01.14

EUT: RLX2-IHNF		Work Order: PROS0222
Serial Number: 000D8DF095CF		Date: 05/22/15
Customer: ProSoft Technology, Inc.		Temperature: 24.4°C
Attendees: None		Humidity: 44%
Project: None		Barometric Pres.: 1021 mbar
Tested by: Jonathan Kiefer, Jeremiah Darden		Job Site: TX09
Power: 120V/60Hz		
TEST SPECIFICATIONS		
FCC 15.247:2015		Test Method
		ANSI C63.10:2009
COMMENTS		
Offset 20.8 dB (DC Block + 20dB Attenuator + Coax Cable) for 2.4 GHz.		
DEVIATIONS FROM TEST STANDARD		
None		
Configuration #	1	Signature
		Value Limit (≥) Result
20 MHz		
Chain A		
802.11(b) 1 Mbps		
Low Channel 1, 2412 MHz		11.068 MHz 500 kHz Pass
Mid Channel 6, 2437 MHz		10.316 MHz 500 kHz Pass
High Channel 11, 2462 MHz		11.445 MHz 500 kHz Pass
802.11(b) 11 Mbps		
Low Channel 1, 2412 MHz		11.037 MHz 500 kHz Pass
Mid Channel 6, 2437 MHz		10.709 MHz 500 kHz Pass
High Channel 11, 2462 MHz		11.496 MHz 500 kHz Pass
802.11(g) 6 Mbps		
Low Channel 1, 2412 MHz		16.55 MHz 500 kHz Pass
Mid Channel 6, 2437 MHz		16.493 MHz 500 kHz Pass
High Channel 11, 2462 MHz		16.491 MHz 500 kHz Pass
802.11(g) 36 Mbps		
Low Channel 1, 2412 MHz		16.48 MHz 500 kHz Pass
Mid Channel 6, 2437 MHz		16.502 MHz 500 kHz Pass
High Channel 11, 2462 MHz		16.486 MHz 500 kHz Pass
802.11(g) 54 Mbps		
Low Channel 1, 2412 MHz		16.435 MHz 500 kHz Pass
Mid Channel 6, 2437 MHz		16.494 MHz 500 kHz Pass
High Channel 11, 2462 MHz		16.495 MHz 500 kHz Pass
802.11(n) MCS0		
Low Channel 1, 2412 MHz		17.749 MHz 500 kHz Pass
Mid Channel 6, 2437 MHz		17.736 MHz 500 kHz Pass
High Channel 11, 2462 MHz		17.738 MHz 500 kHz Pass
802.11(n) MCS7		
Low Channel 1, 2412 MHz		17.695 MHz 500 kHz Pass
Mid Channel 6, 2437 MHz		17.664 MHz 500 kHz Pass
High Channel 11, 2462 MHz		17.749 MHz 500 kHz Pass
Chain B		
802.11(b) 1 Mbps		
Low Channel 1, 2412 MHz		10.109 MHz 500 kHz Pass
Mid Channel 6, 2437 MHz		11.979 MHz 500 kHz Pass
High Channel 11, 2462 MHz		10.096 MHz 500 kHz Pass
802.11(b) 11 Mbps		
Low Channel 1, 2412 MHz		11.387 MHz 500 kHz Pass
Mid Channel 6, 2437 MHz		11.263 MHz 500 kHz Pass
High Channel 11, 2462 MHz		12.312 MHz 500 kHz Pass
802.11(g) 6 Mbps		
Low Channel 1, 2412 MHz		16.425 MHz 500 kHz Pass
Mid Channel 6, 2437 MHz		16.451 MHz 500 kHz Pass
High Channel 11, 2462 MHz		16.429 MHz 500 kHz Pass
802.11(g) 36 Mbps		
Low Channel 1, 2412 MHz		16.493 MHz 500 kHz Pass
Mid Channel 6, 2437 MHz		16.471 MHz 500 kHz Pass
High Channel 11, 2462 MHz		16.494 MHz 500 kHz Pass
802.11(g) 54 Mbps		
Low Channel 1, 2412 MHz		16.405 MHz 500 kHz Pass
Mid Channel 6, 2437 MHz		16.48 MHz 500 kHz Pass
High Channel 11, 2462 MHz		16.446 MHz 500 kHz Pass
802.11(n) MCS0		
Low Channel 1, 2412 MHz		17.715 MHz 500 kHz Pass
Mid Channel 6, 2437 MHz		17.69 MHz 500 kHz Pass
High Channel 11, 2462 MHz		17.725 MHz 500 kHz Pass
802.11(n) MCS7		
Low Channel 1, 2412 MHz		17.637 MHz 500 kHz Pass
Mid Channel 6, 2437 MHz		17.705 MHz 500 kHz Pass
High Channel 11, 2462 MHz		17.717 MHz 500 kHz Pass
Chain C		
802.11(b) 1 Mbps		
Low Channel 1, 2412 MHz		9.982 MHz 500 kHz Pass
Mid Channel 6, 2437 MHz		10.064 MHz 500 kHz Pass
High Channel 11, 2462 MHz		10.165 MHz 500 kHz Pass
802.11(b) 11 Mbps		
Low Channel 1, 2412 MHz		11.14 MHz 500 kHz Pass
Mid Channel 6, 2437 MHz		11.784 MHz 500 kHz Pass
High Channel 11, 2462 MHz		12.143 MHz 500 kHz Pass
802.11(g) 6 Mbps		
Low Channel 1, 2412 MHz		16.413 MHz 500 kHz Pass
Mid Channel 6, 2437 MHz		16.397 MHz 500 kHz Pass
High Channel 11, 2462 MHz		16.405 MHz 500 kHz Pass
802.11(g) 36 Mbps		
Low Channel 1, 2412 MHz		16.497 MHz 500 kHz Pass
Mid Channel 6, 2437 MHz		16.419 MHz 500 kHz Pass
High Channel 11, 2462 MHz		16.447 MHz 500 kHz Pass
802.11(g) 54 Mbps		
Low Channel 1, 2412 MHz		16.469 MHz 500 kHz Pass
Mid Channel 6, 2437 MHz		16.487 MHz 500 kHz Pass
High Channel 11, 2462 MHz		16.452 MHz 500 kHz Pass
802.11(n) MCS0		
Low Channel 1, 2412 MHz		17.771 MHz 500 kHz Pass
Mid Channel 6, 2437 MHz		17.76 MHz 500 kHz Pass
High Channel 11, 2462 MHz		17.768 MHz 500 kHz Pass
802.11(n) MCS7		
Low Channel 1, 2412 MHz		17.683 MHz 500 kHz Pass
Mid Channel 6, 2437 MHz		17.713 MHz 500 kHz Pass
High Channel 11, 2462 MHz		17.718 MHz 500 kHz Pass

OCCUPIED BANDWIDTH

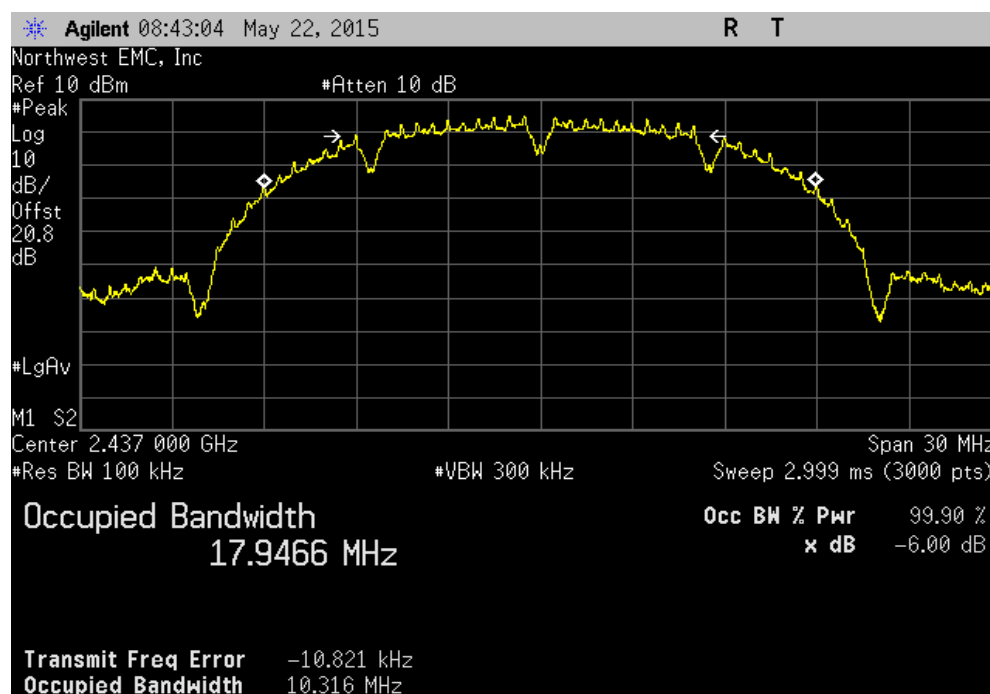
20 MHz, Chain A, 802.11(b) 1 Mbps, Low Channel 1, 2412 MHz

	Value	Limit (>)	Result
	11.068 MHz	500 kHz	Pass



20 MHz, Chain A, 802.11(b) 1 Mbps, Mid Channel 6, 2437 MHz

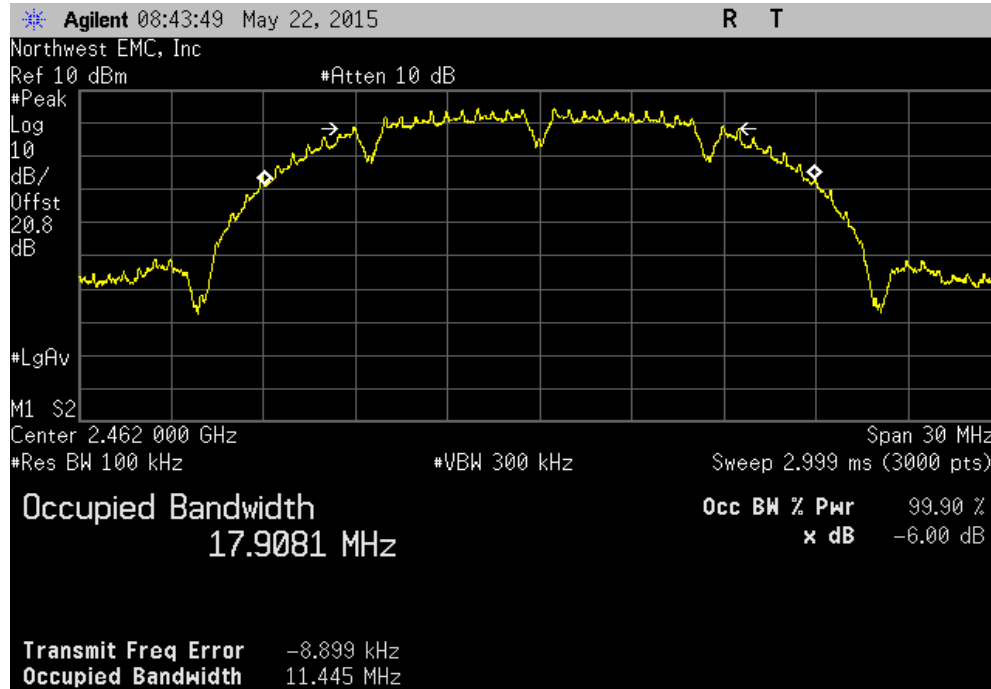
	Value	Limit (>)	Result
	10.316 MHz	500 kHz	Pass



OCCUPIED BANDWIDTH

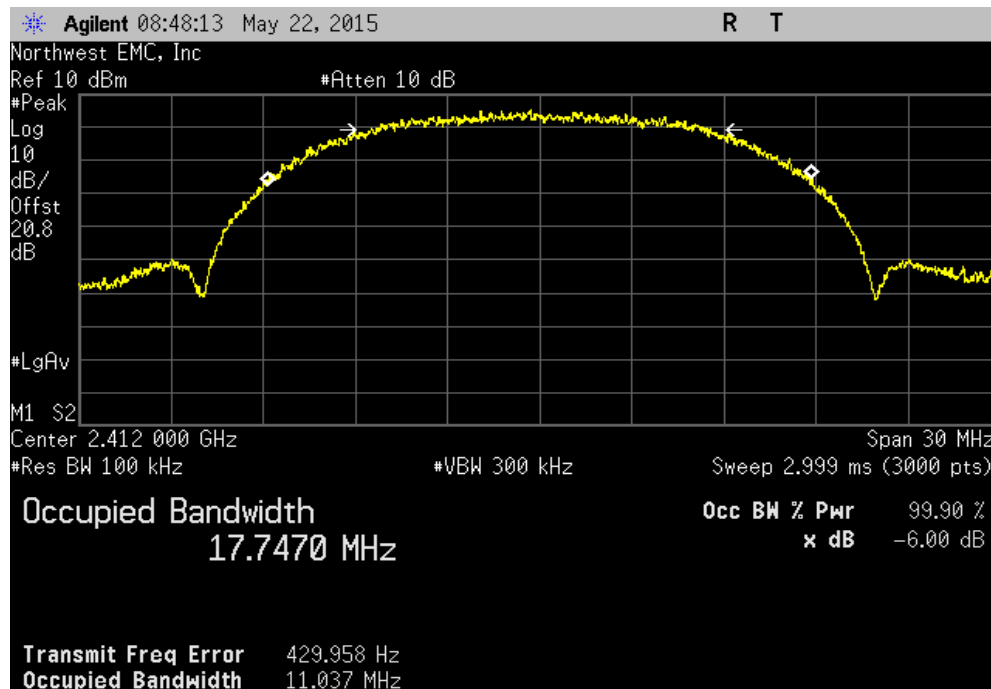
20 MHz, Chain A, 802.11(b) 1 Mbps, High Channel 11, 2462 MHz

	Value	Limit (>)	Result
	11.445 MHz	500 kHz	Pass



20 MHz, Chain A, 802.11(b) 11 Mbps, Low Channel 1, 2412 MHz

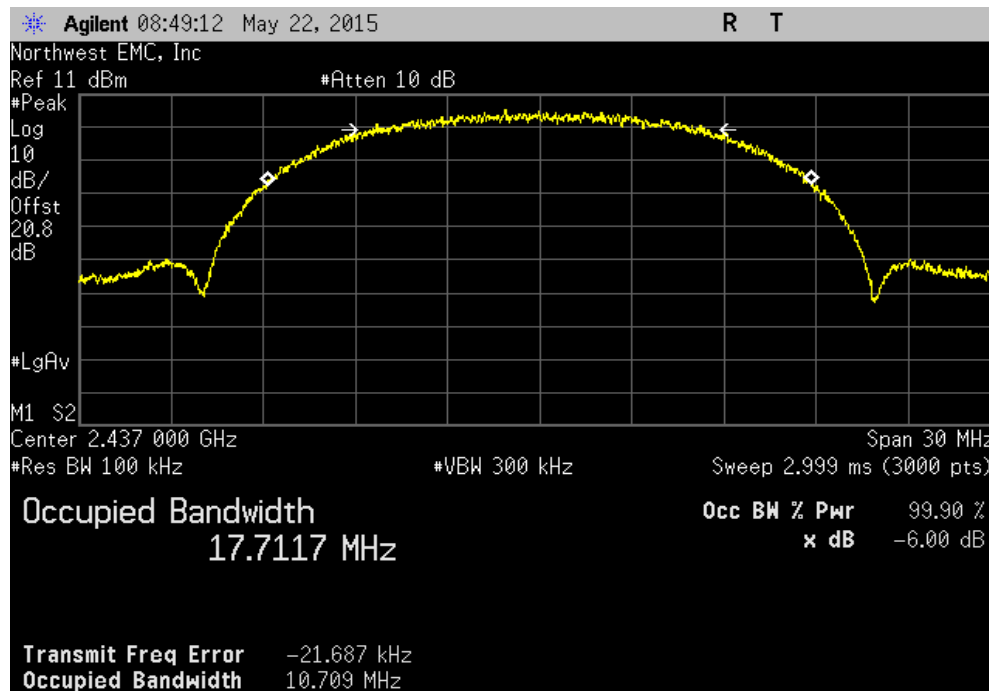
	Value	Limit (>)	Result
	11.037 MHz	500 kHz	Pass



OCCUPIED BANDWIDTH

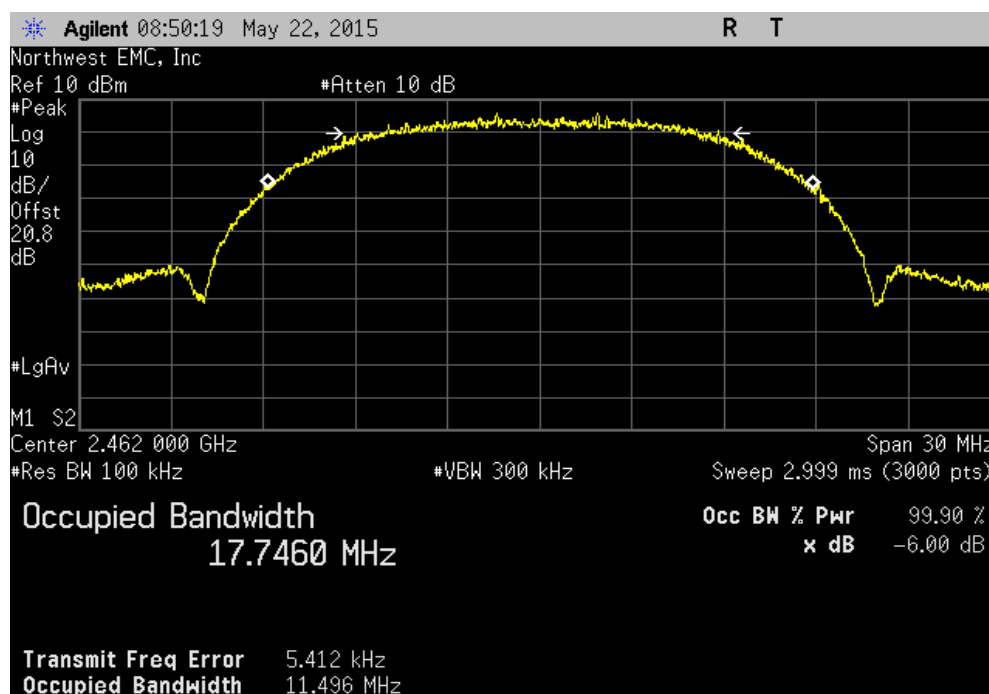
20 MHz, Chain A, 802.11(b) 11 Mbps, Mid Channel 6, 2437 MHz

	Value	Limit (>)	Result
	10.709 MHz	500 kHz	Pass



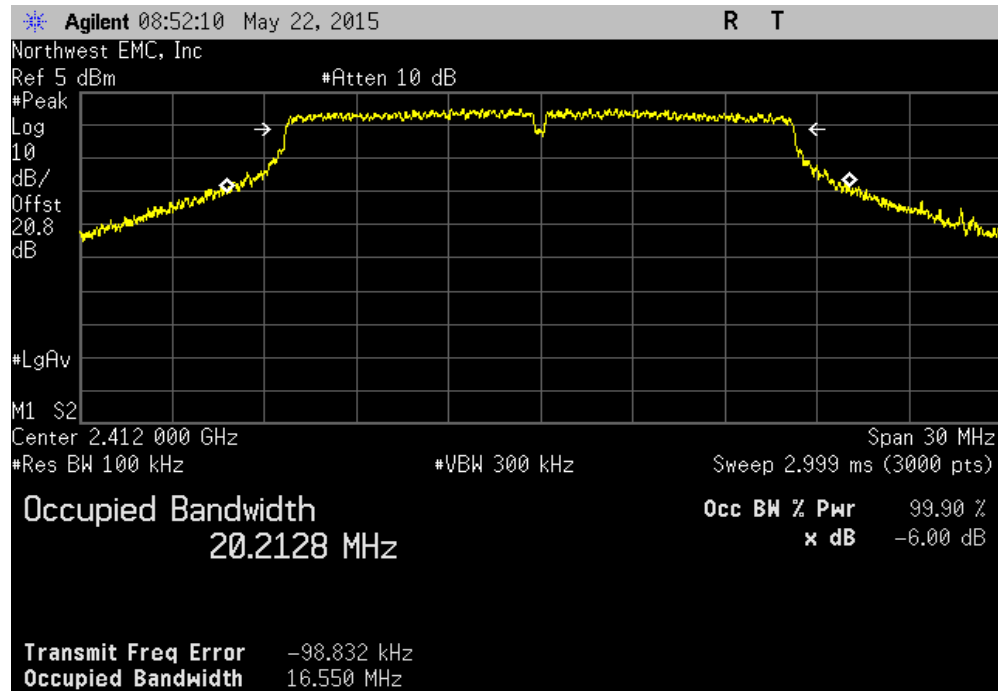
20 MHz, Chain A, 802.11(b) 11 Mbps, High Channel 11, 2462 MHz

	Value	Limit (>)	Result
	11.496 MHz	500 kHz	Pass

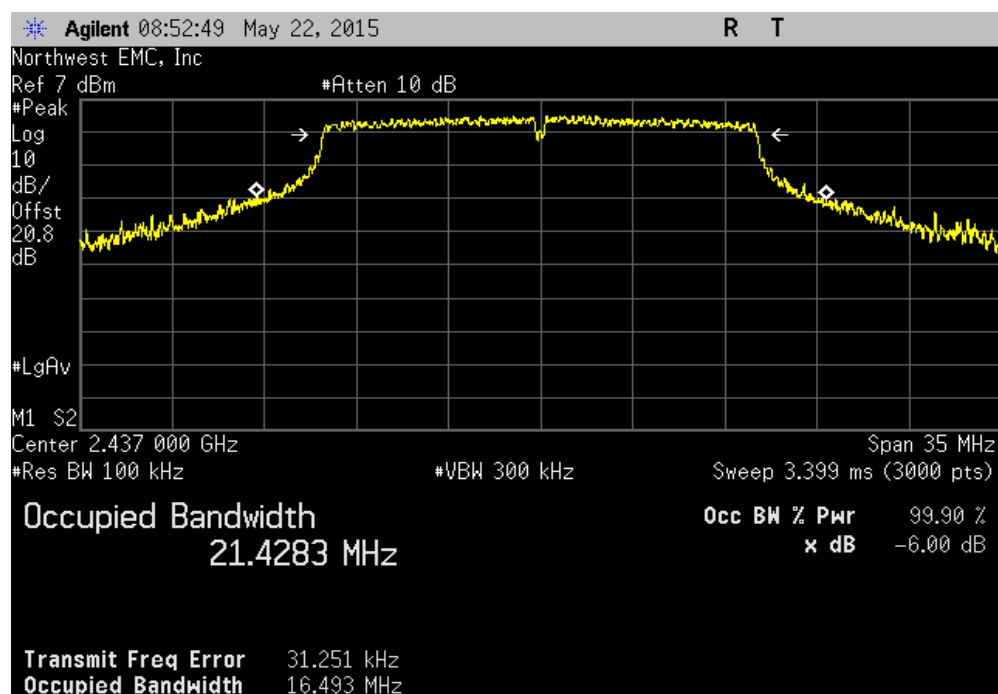


OCCUPIED BANDWIDTH

20 MHz, Chain A, 802.11(g) 6 Mbps, Low Channel 1, 2412 MHz						
				Value	Limit (>)	Result
				16.55 MHz	500 kHz	Pass



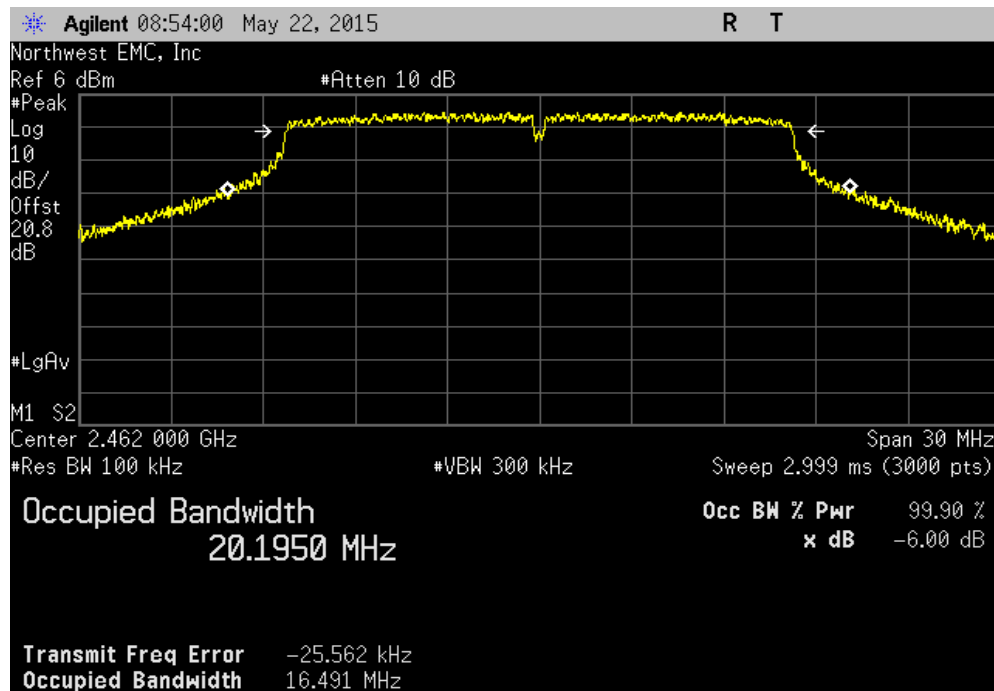
20 MHz, Chain A, 802.11(g) 6 Mbps, Mid Channel 6, 2437 MHz						
				Value	Limit (>)	Result
				16.493 MHz	500 kHz	Pass



OCCUPIED BANDWIDTH

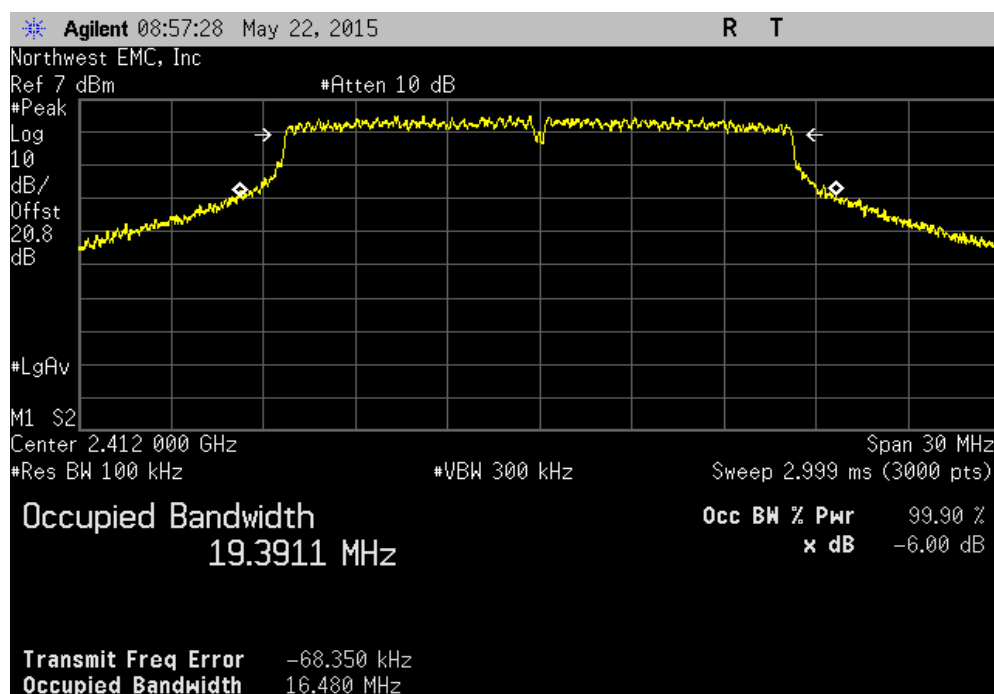
20 MHz, Chain A, 802.11(g) 6 Mbps, High Channel 11, 2462 MHz

	Value	Limit (>)	Result
	16.491 MHz	500 kHz	Pass



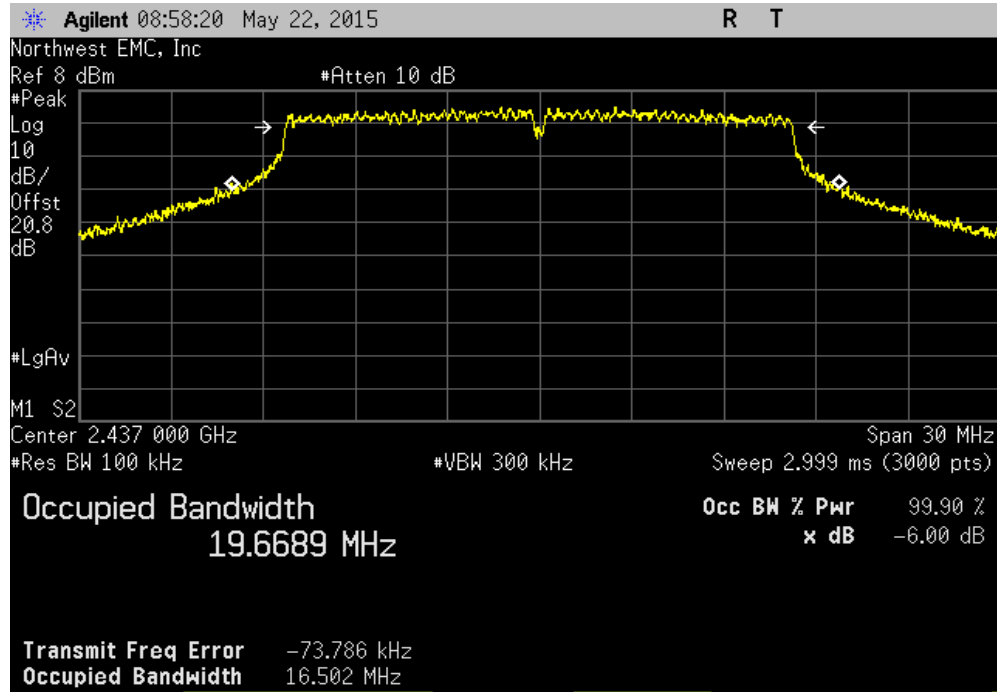
20 MHz, Chain A, 802.11(g) 36 Mbps, Low Channel 1, 2412 MHz

	Value	Limit (>)	Result
	16.48 MHz	500 kHz	Pass

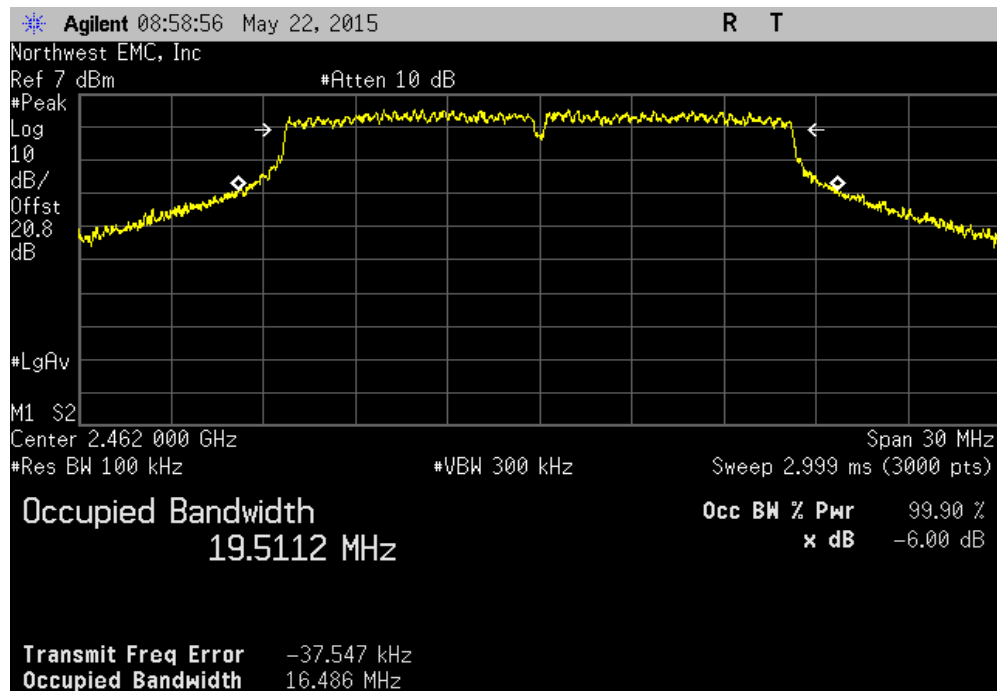


OCCUPIED BANDWIDTH

20 MHz, Chain A, 802.11(g) 36 Mbps, Mid Channel 6, 2437 MHz						
				Value	Limit (>)	Result
				16.502 MHz	500 kHz	Pass



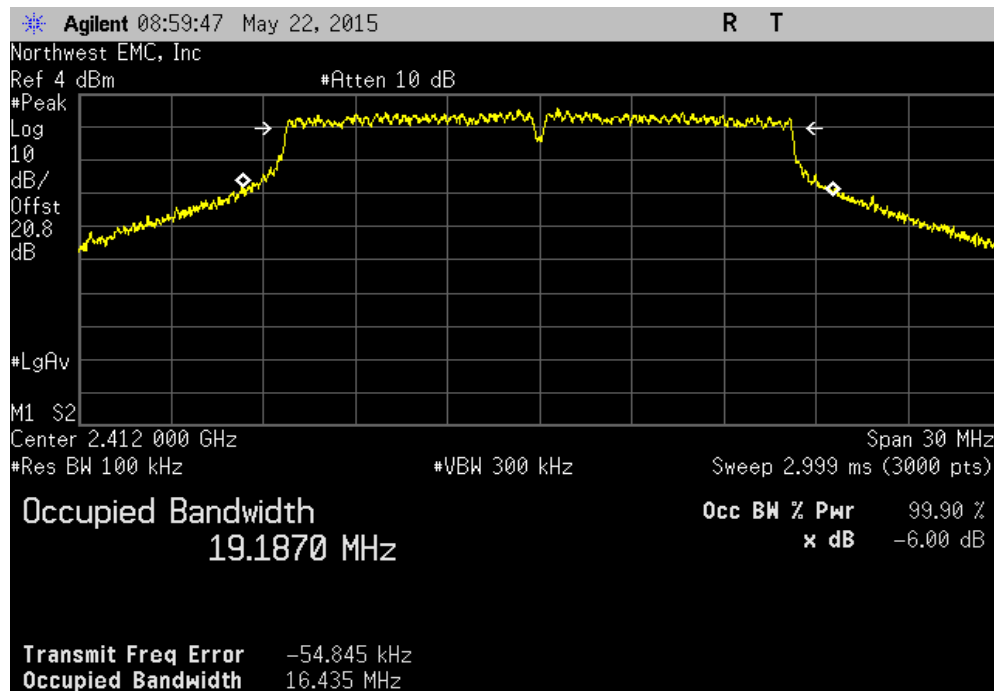
20 MHz, Chain A, 802.11(g) 36 Mbps, High Channel 11, 2462 MHz						
				Value	Limit (>)	Result
				16.486 MHz	500 kHz	Pass



OCCUPIED BANDWIDTH

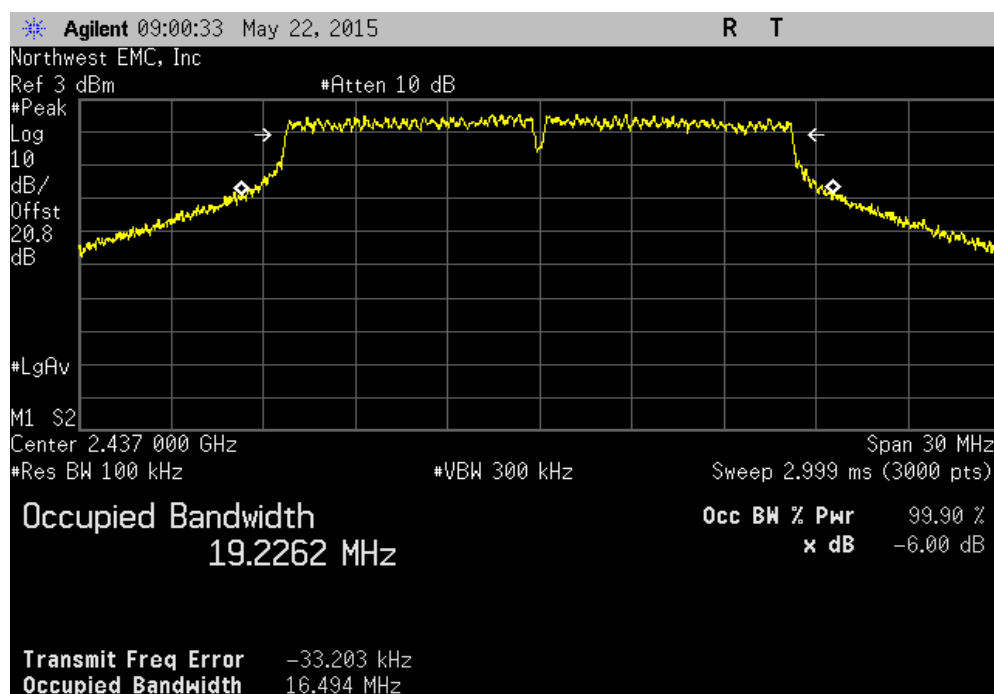
20 MHz, Chain A, 802.11(g) 54 Mbps, Low Channel 1, 2412 MHz

				Value	Limit (>)	Result
				16.435 MHz	500 kHz	Pass



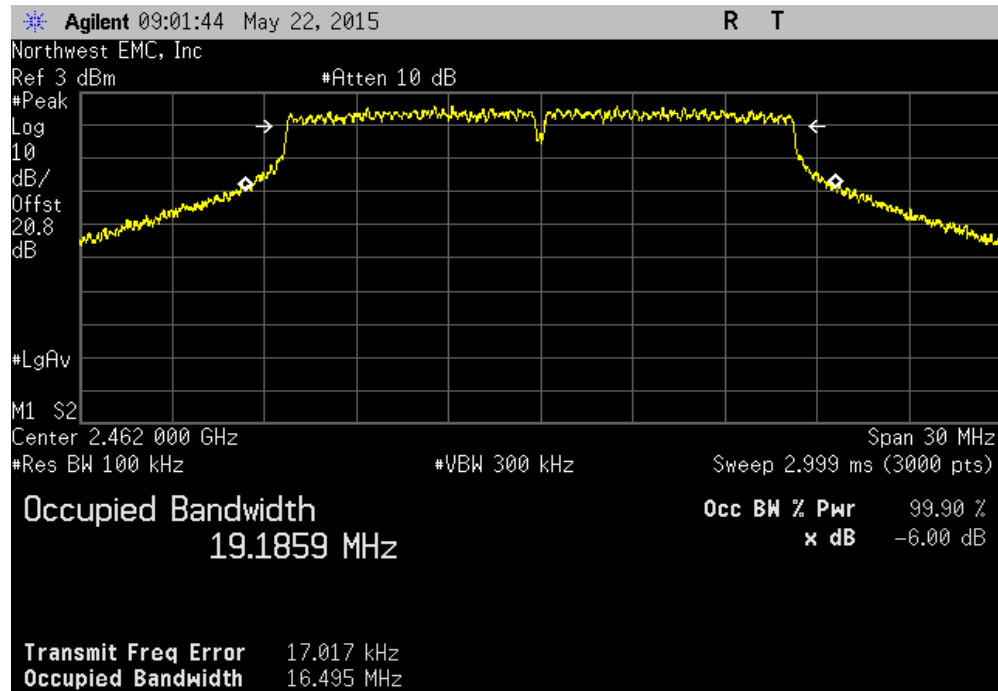
20 MHz, Chain A, 802.11(g) 54 Mbps, Mid Channel 6, 2437 MHz

				Value	Limit (>)	Result
				16.494 MHz	500 kHz	Pass

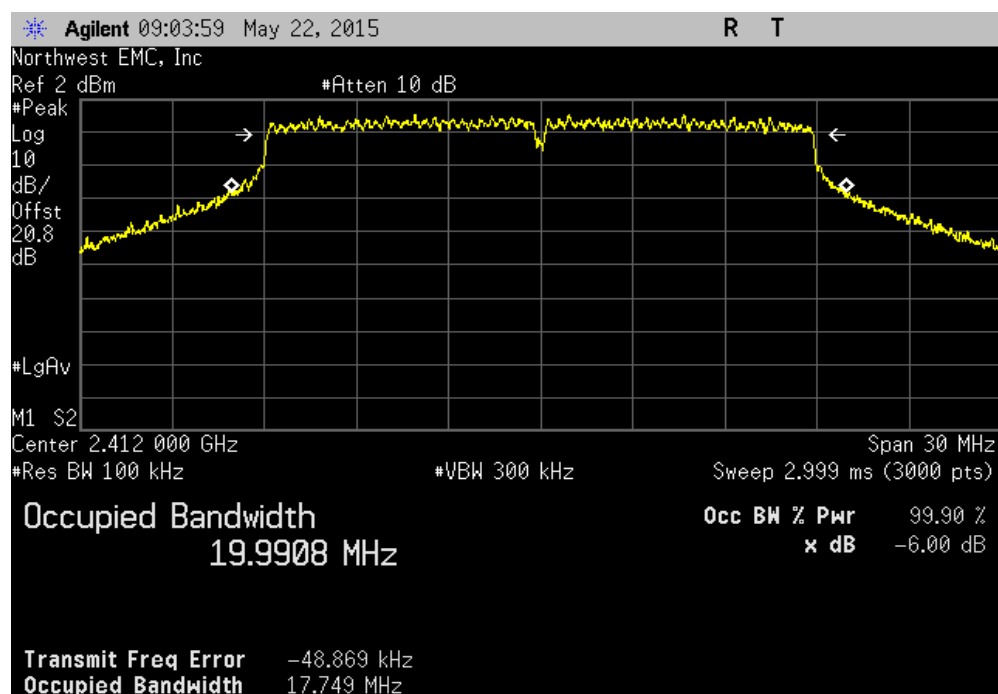


OCCUPIED BANDWIDTH

20 MHz, Chain A, 802.11(g) 54 Mbps, High Channel 11, 2462 MHz						
				Value	Limit (>)	Result
				16.495 MHz	500 kHz	Pass

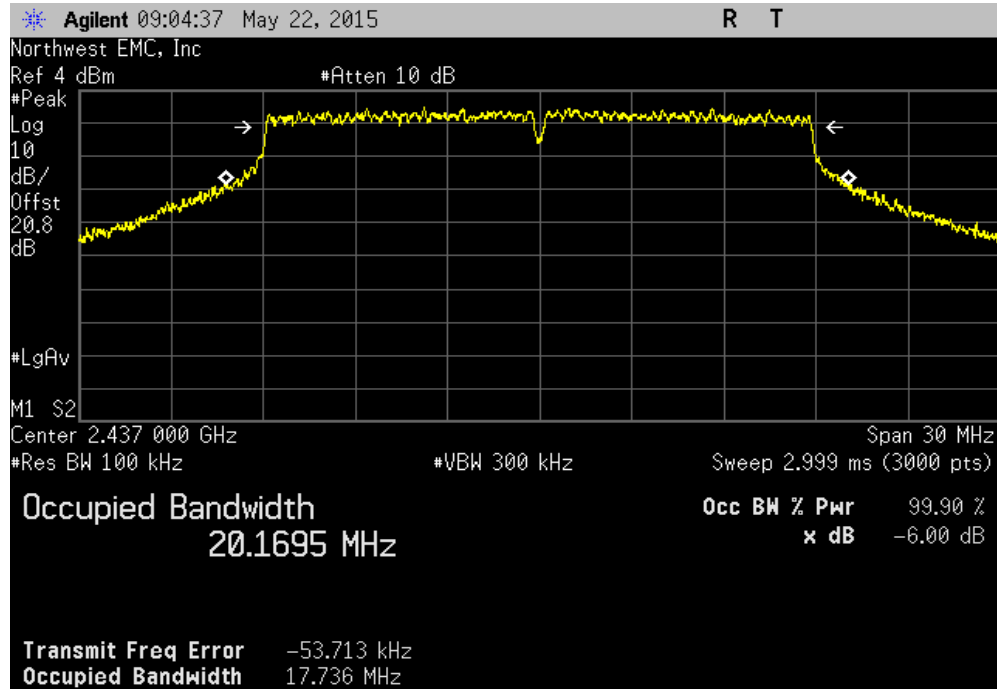


20 MHz, Chain A, 802.11(n) MCS0, Low Channel 1, 2412 MHz						
				Value	Limit (>)	Result
				17.749 MHz	500 kHz	Pass

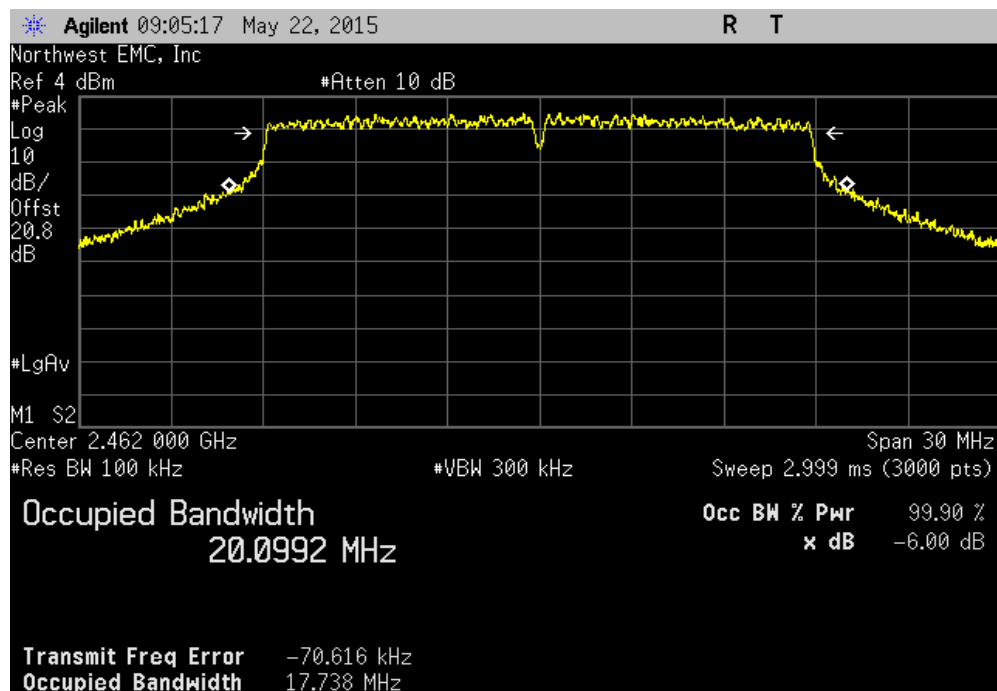


OCCUPIED BANDWIDTH

20 MHz, Chain A, 802.11(n) MCS0, Mid Channel 6, 2437 MHz						
				Value	Limit (>)	Result
				17.736 MHz	500 kHz	Pass

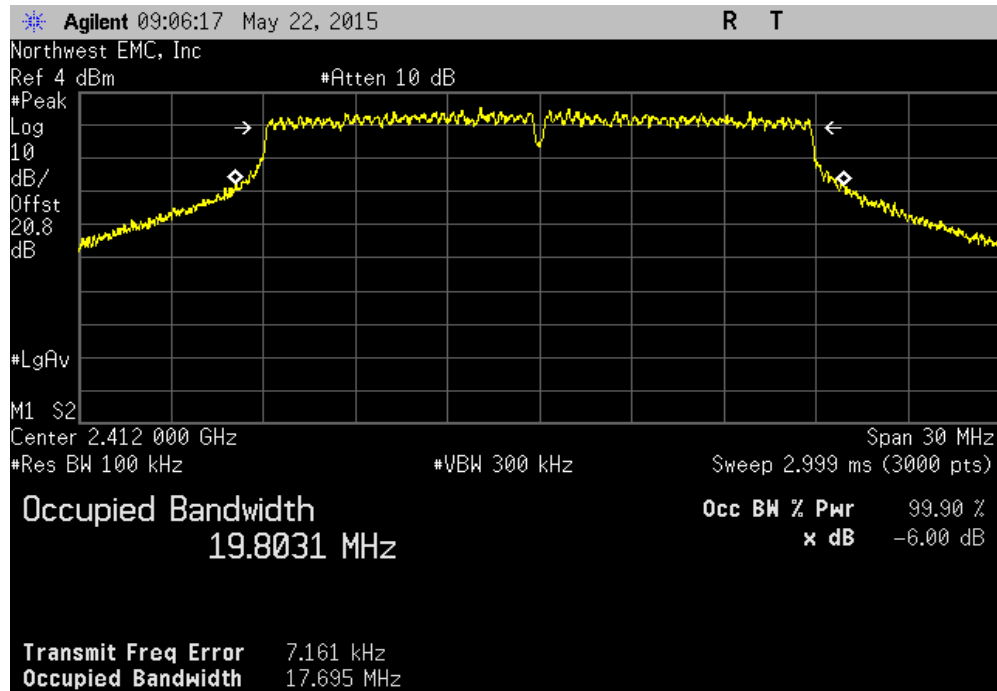


20 MHz, Chain A, 802.11(n) MCS0, High Channel 11, 2462 MHz						
				Value	Limit (>)	Result
				17.738 MHz	500 kHz	Pass

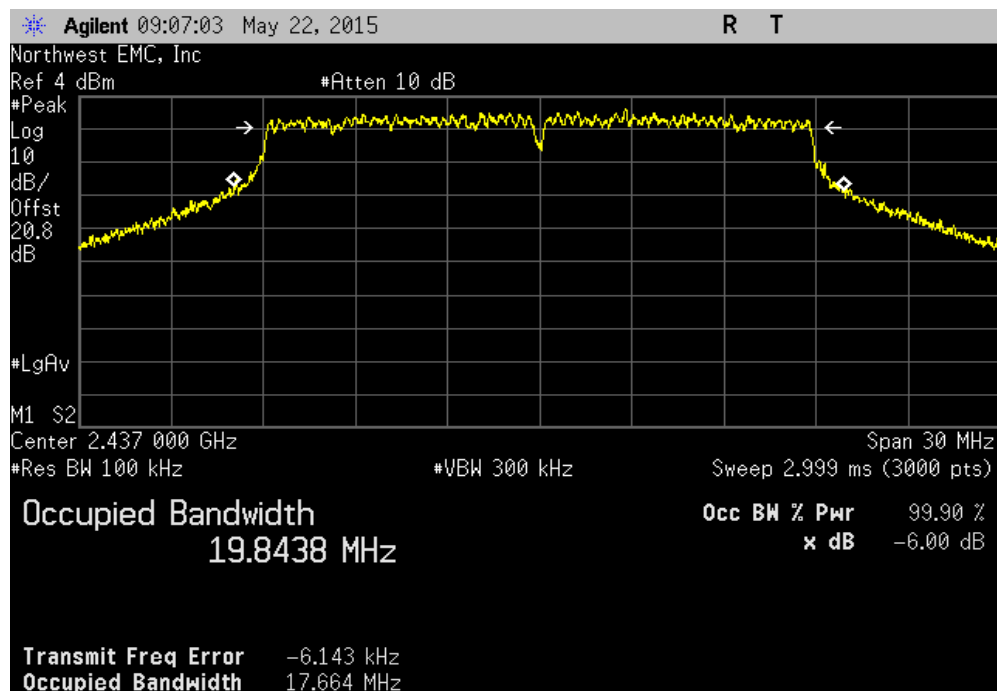


OCCUPIED BANDWIDTH

20 MHz, Chain A, 802.11(n) MCS7, Low Channel 1, 2412 MHz						
				Value	Limit (>)	Result
				17.695 MHz	500 kHz	Pass

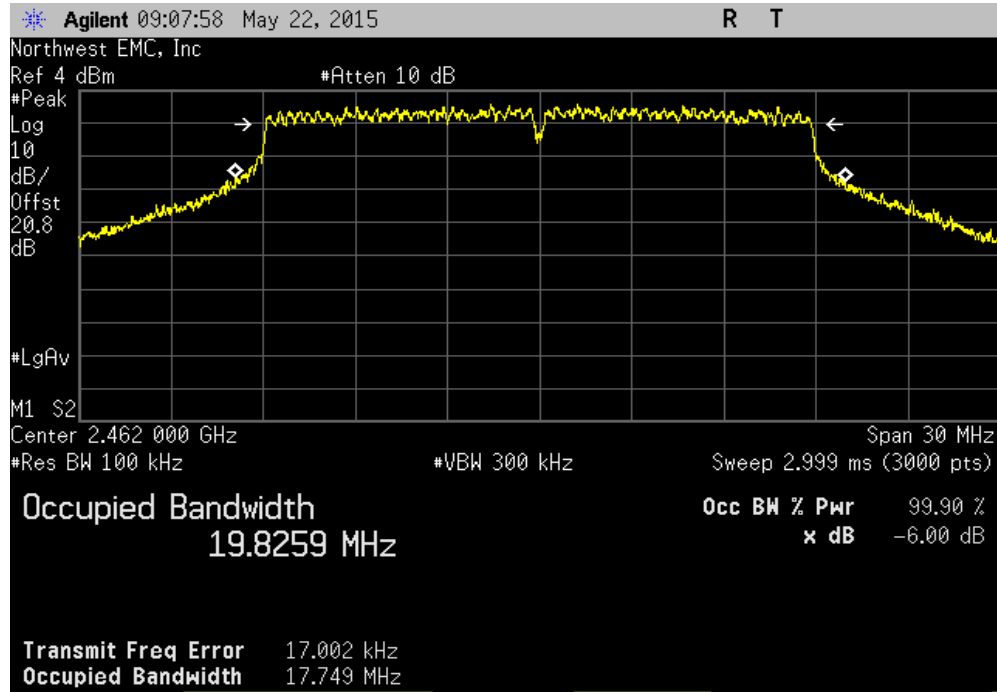


20 MHz, Chain A, 802.11(n) MCS7, Mid Channel 6, 2437 MHz						
				Value	Limit (>)	Result
				17.664 MHz	500 kHz	Pass

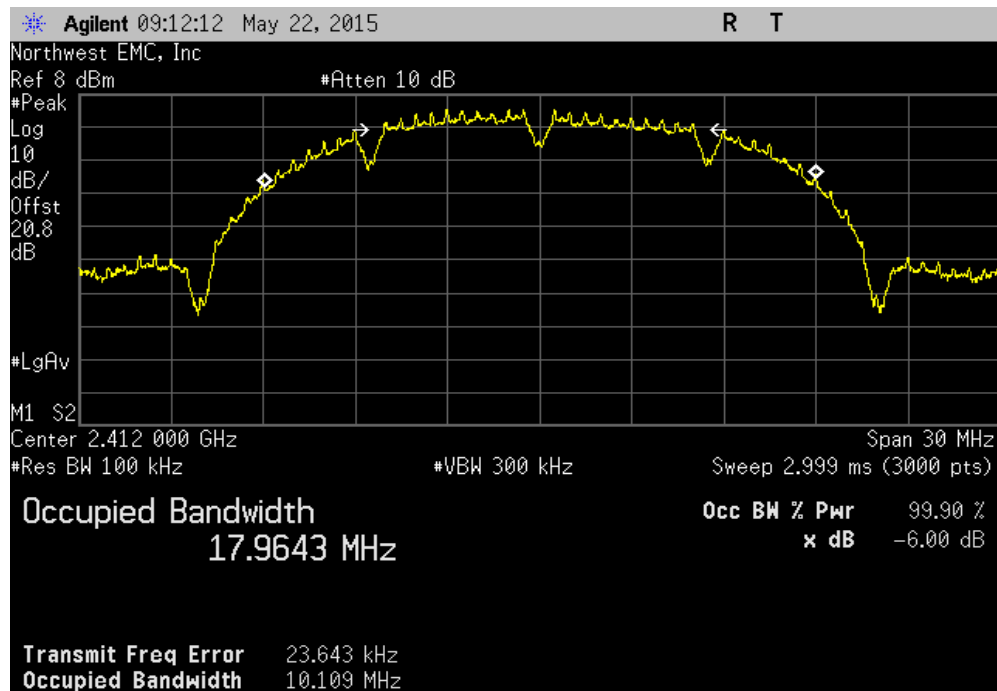


OCCUPIED BANDWIDTH

20 MHz, Chain A, 802.11(n) MCS7, High Channel 11, 2462 MHz						
				Value	Limit (>)	Result
				17.749 MHz	500 kHz	Pass



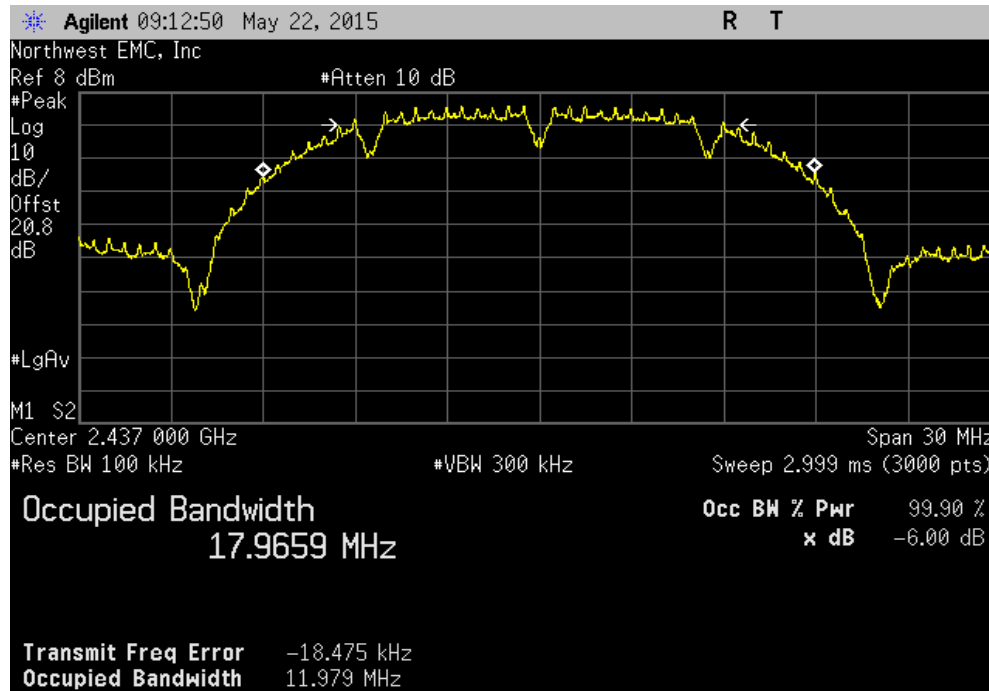
20 MHz, Chain B, 802.11(b) 1 Mbps, Low Channel 1, 2412 MHz						
				Value	Limit (>)	Result
				10.109 MHz	500 kHz	Pass



OCCUPIED BANDWIDTH

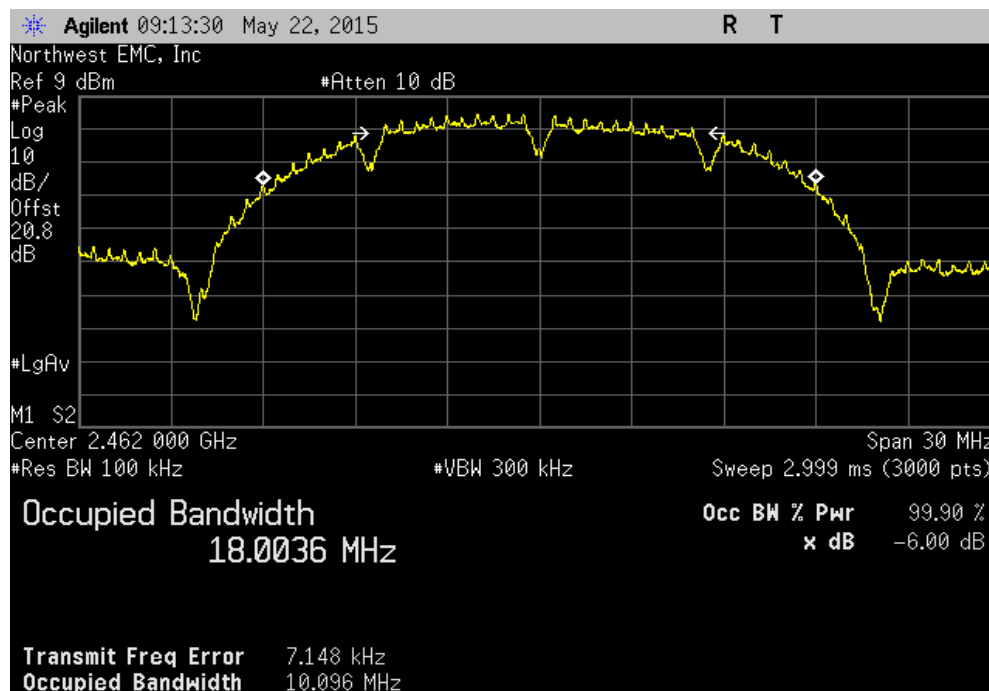
20 MHz, Chain B, 802.11(b) 1 Mbps, Mid Channel 6, 2437 MHz

	Value	Limit (>)	Result
	11.979 MHz	500 kHz	Pass



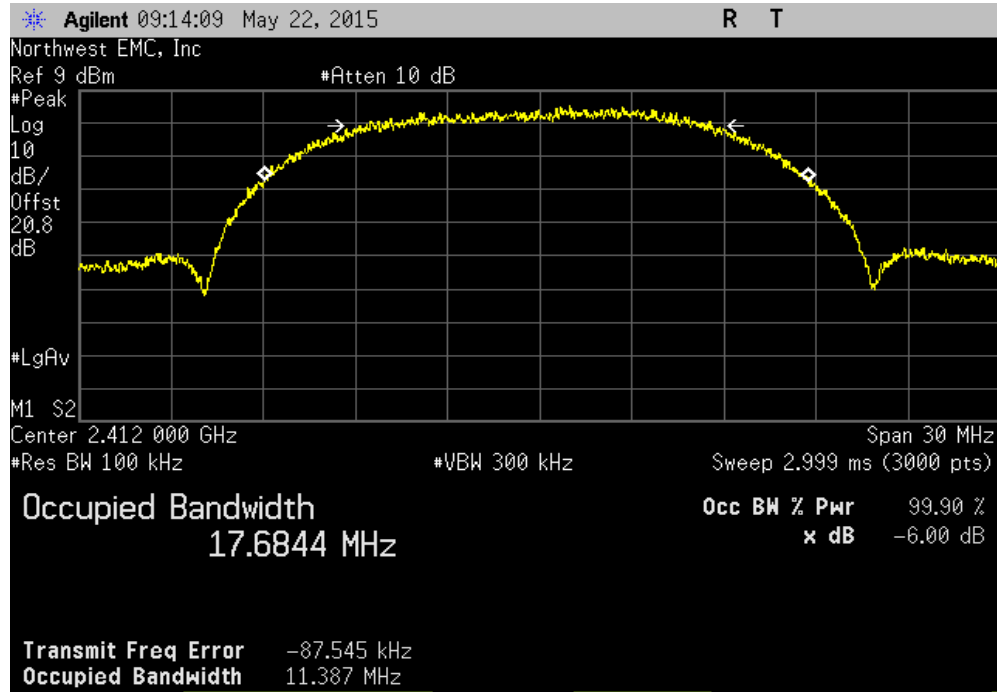
20 MHz, Chain B, 802.11(b) 1 Mbps, High Channel 11, 2462 MHz

	Value	Limit (>)	Result
	10.096 MHz	500 kHz	Pass

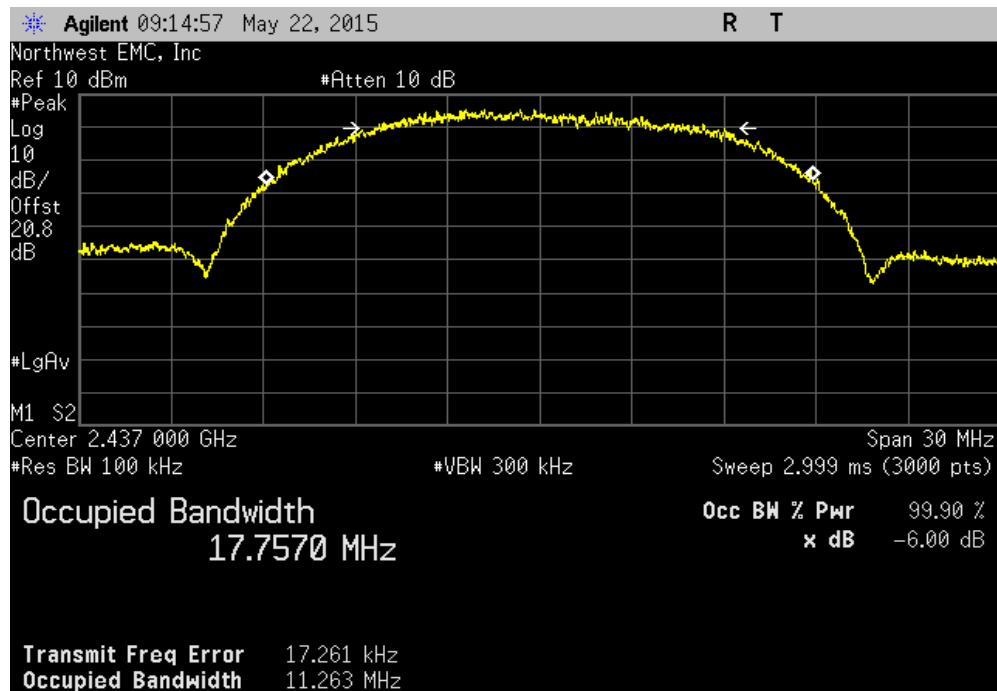


OCCUPIED BANDWIDTH

20 MHz, Chain B, 802.11(b) 11 Mbps, Low Channel 1, 2412 MHz						
				Value	Limit (>)	Result
				11.387 MHz	500 kHz	Pass

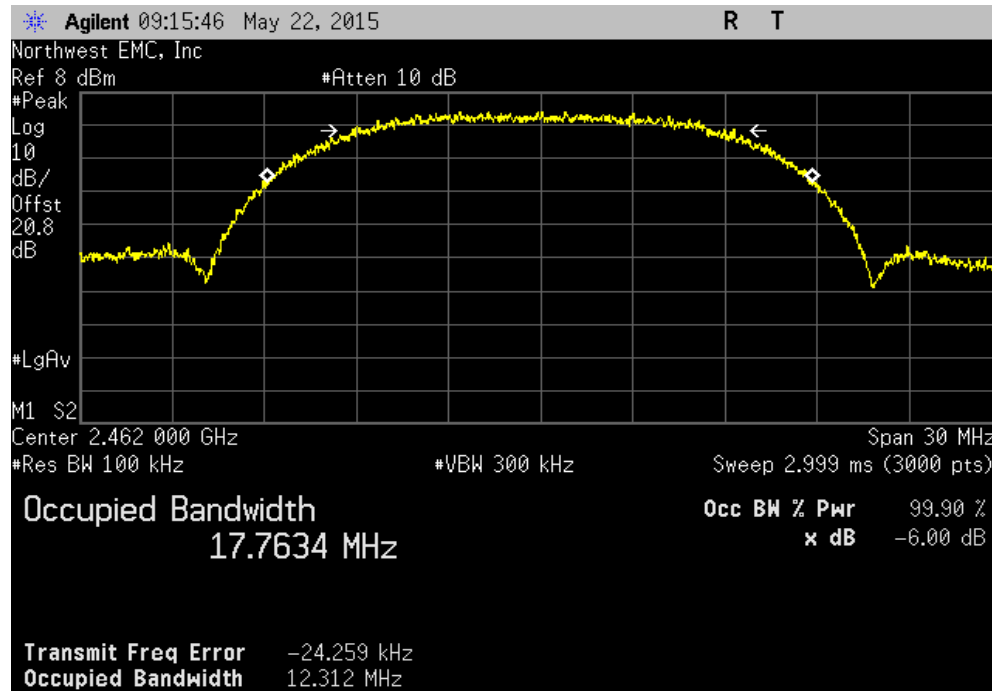


20 MHz, Chain B, 802.11(b) 11 Mbps, Mid Channel 6, 2437 MHz						
				Value	Limit (>)	Result
				11.263 MHz	500 kHz	Pass

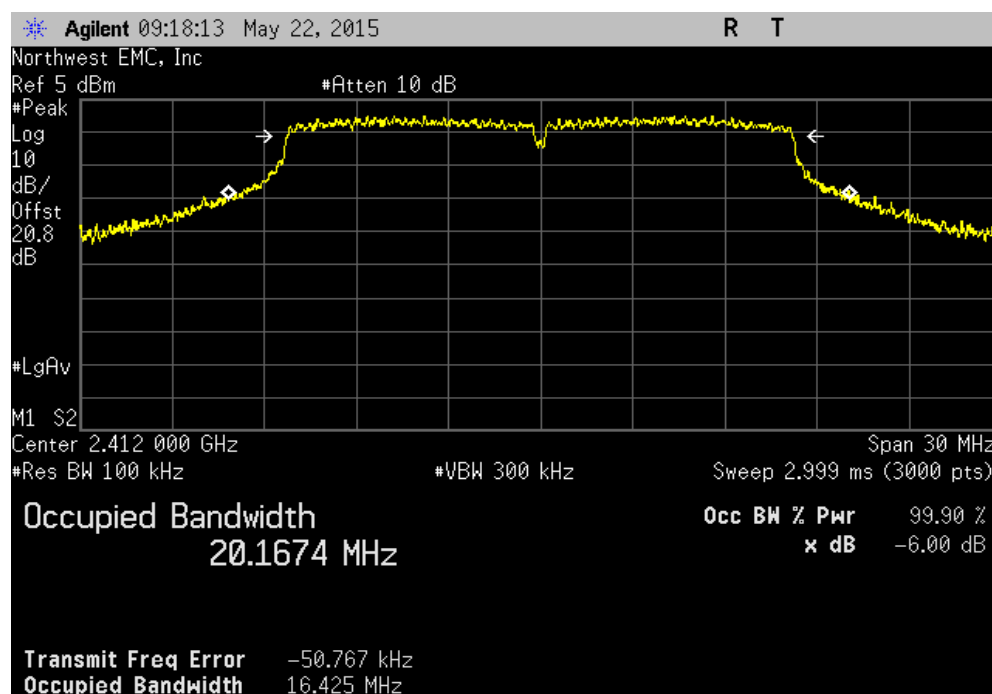


OCCUPIED BANDWIDTH

20 MHz, Chain B, 802.11(b) 11 Mbps, High Channel 11, 2462 MHz						
				Value	Limit (>)	Result
				12.312 MHz	500 kHz	Pass

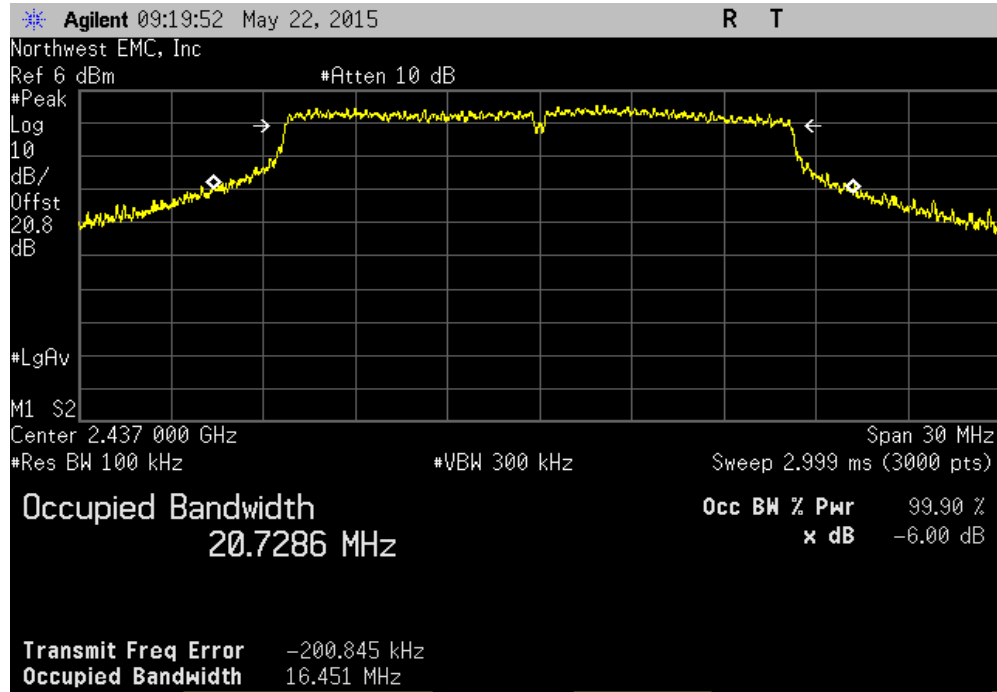


20 MHz, Chain B, 802.11(g) 6 Mbps, Low Channel 1, 2412 MHz						
				Value	Limit (>)	Result
				16.425 MHz	500 kHz	Pass

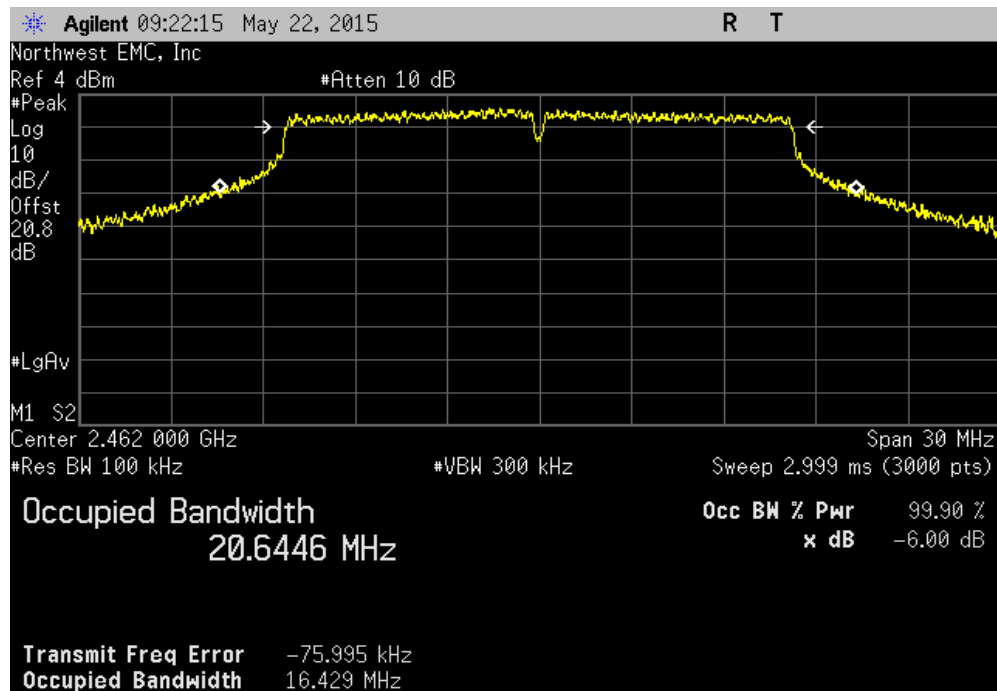


OCCUPIED BANDWIDTH

20 MHz, Chain B, 802.11(g) 6 Mbps, Mid Channel 6, 2437 MHz						
Value				Limit	Result	
				(>)		
16.451 MHz				500 kHz	Pass	

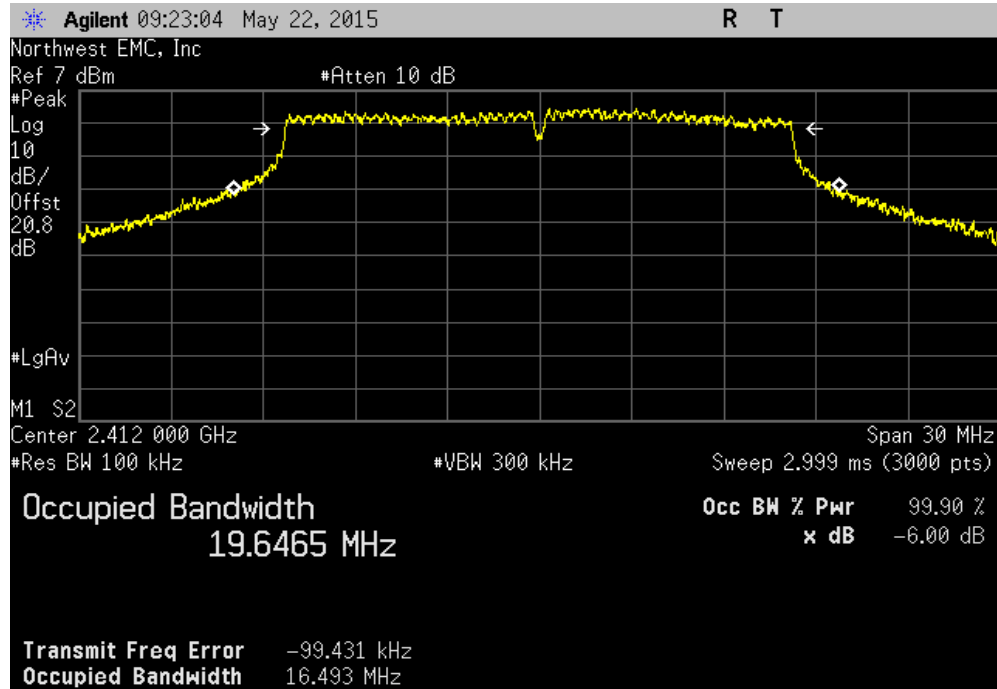


20 MHz, Chain B, 802.11(g) 6 Mbps, High Channel 11, 2462 MHz						
Value				Limit	Result	
				(>)		
16.429 MHz				500 kHz	Pass	

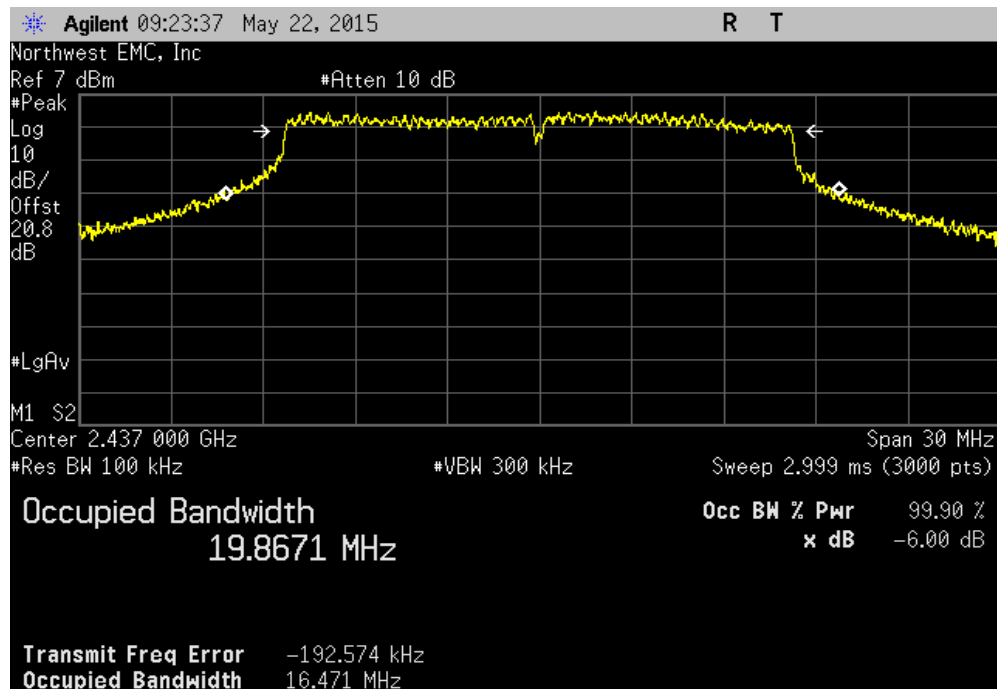


OCCUPIED BANDWIDTH

20 MHz, Chain B, 802.11(g) 36 Mbps, Low Channel 1, 2412 MHz						
				Value	Limit (>)	Result
				16.493 MHz	500 kHz	Pass

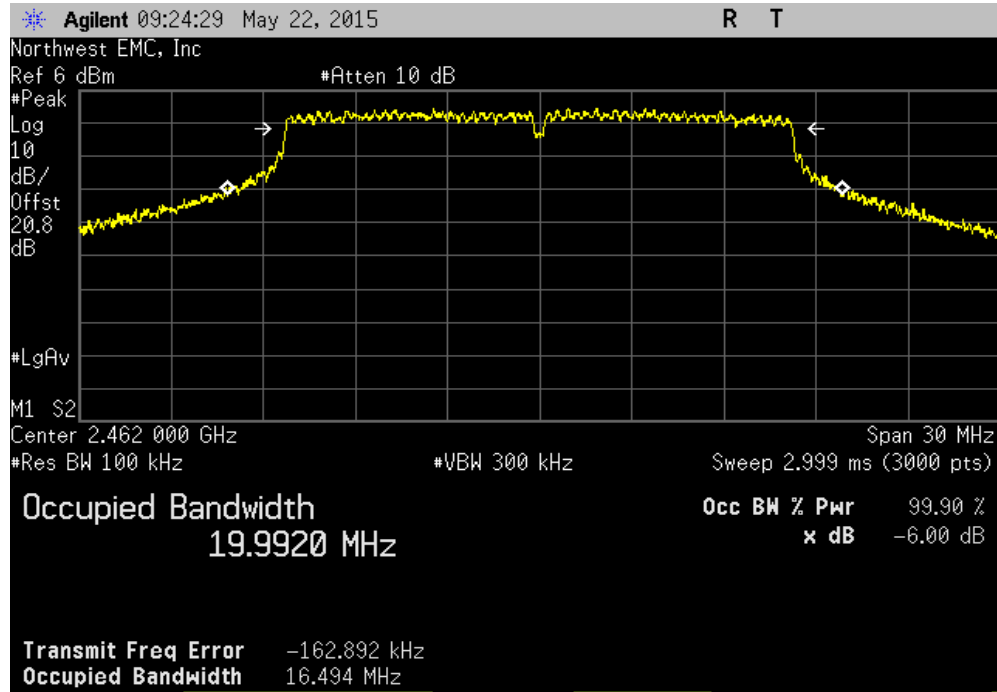


20 MHz, Chain B, 802.11(g) 36 Mbps, Mid Channel 6, 2437 MHz						
				Value	Limit (>)	Result
				16.471 MHz	500 kHz	Pass

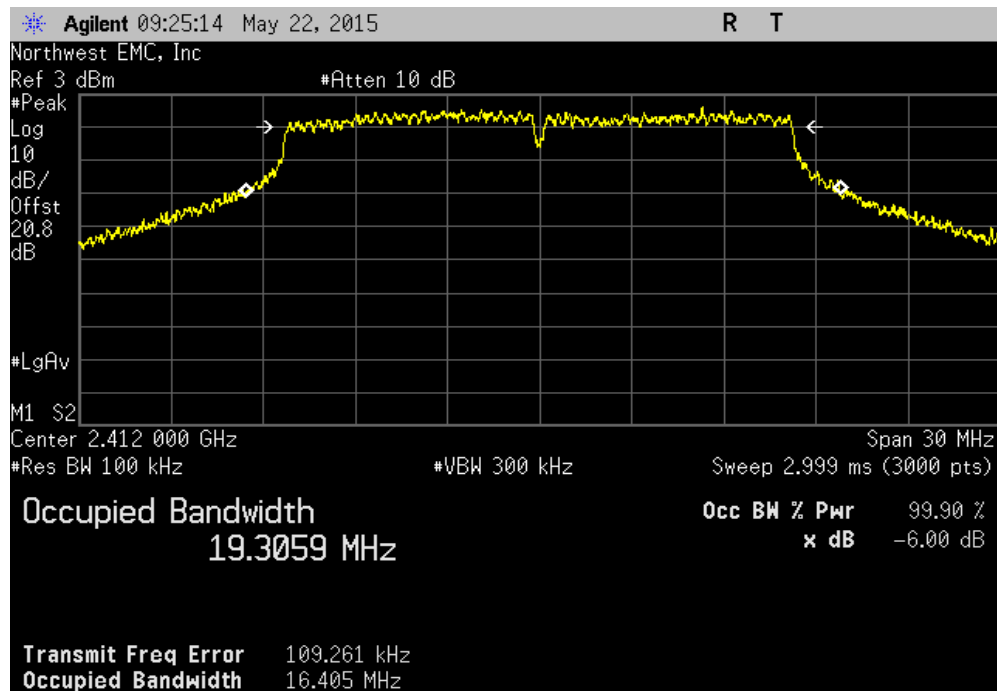


OCCUPIED BANDWIDTH

20 MHz, Chain B, 802.11(g) 36 Mbps, High Channel 11, 2462 MHz						
				Value	Limit (>)	Result
				16.494 MHz	500 kHz	Pass

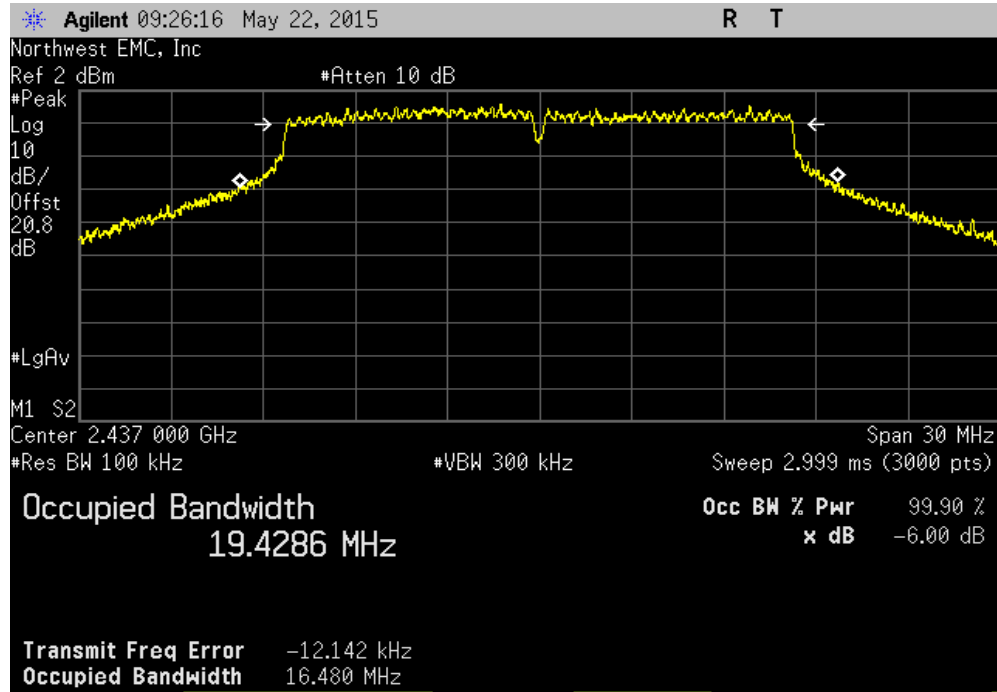


20 MHz, Chain B, 802.11(g) 54 Mbps, Low Channel 1, 2412 MHz						
				Value	Limit (>)	Result
				16.405 MHz	500 kHz	Pass

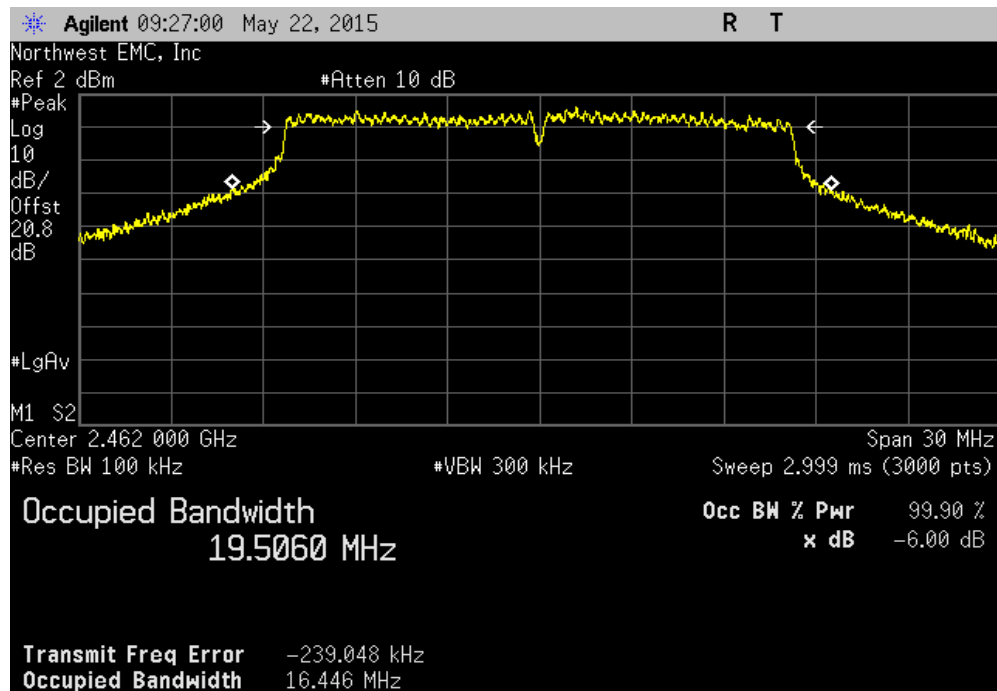


OCCUPIED BANDWIDTH

20 MHz, Chain B, 802.11(g) 54 Mbps, Mid Channel 6, 2437 MHz						
				Value	Limit (>)	Result
				16.48 MHz	500 kHz	Pass

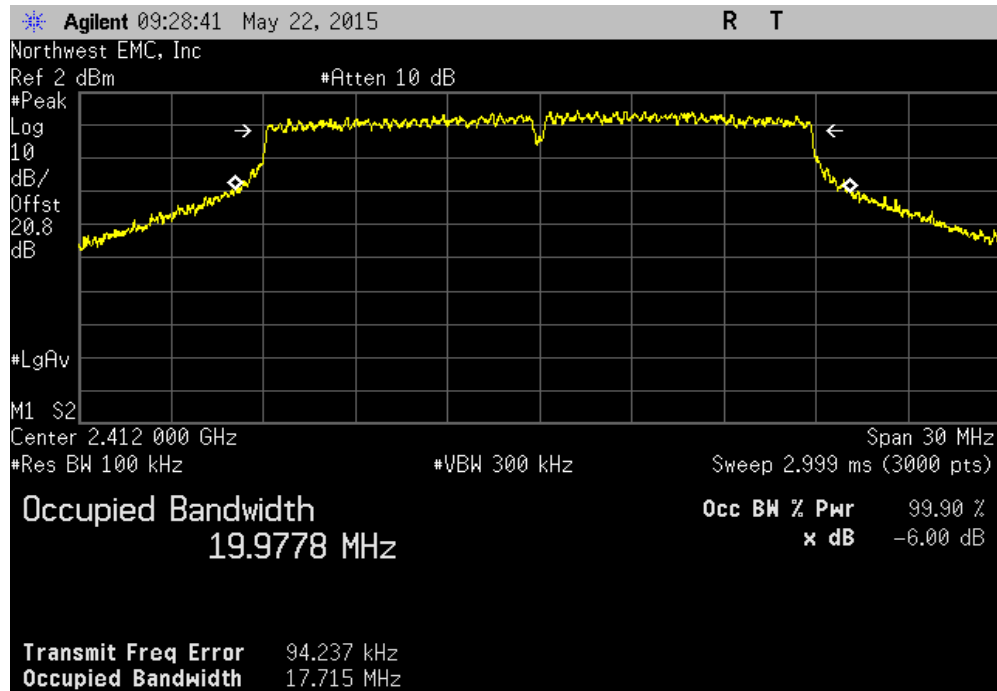


20 MHz, Chain B, 802.11(g) 54 Mbps, High Channel 11, 2462 MHz						
				Value	Limit (>)	Result
				16.446 MHz	500 kHz	Pass

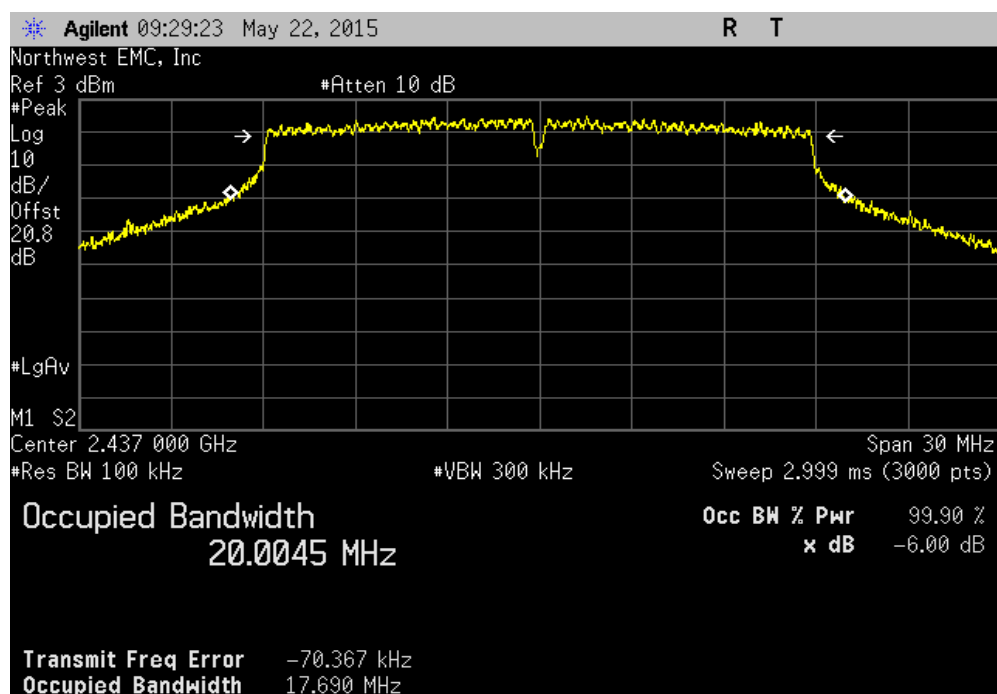


OCCUPIED BANDWIDTH

20 MHz, Chain B, 802.11(n) MCS0, Low Channel 1, 2412 MHz						
				Value	Limit (>)	Result
				17.715 MHz	500 kHz	Pass



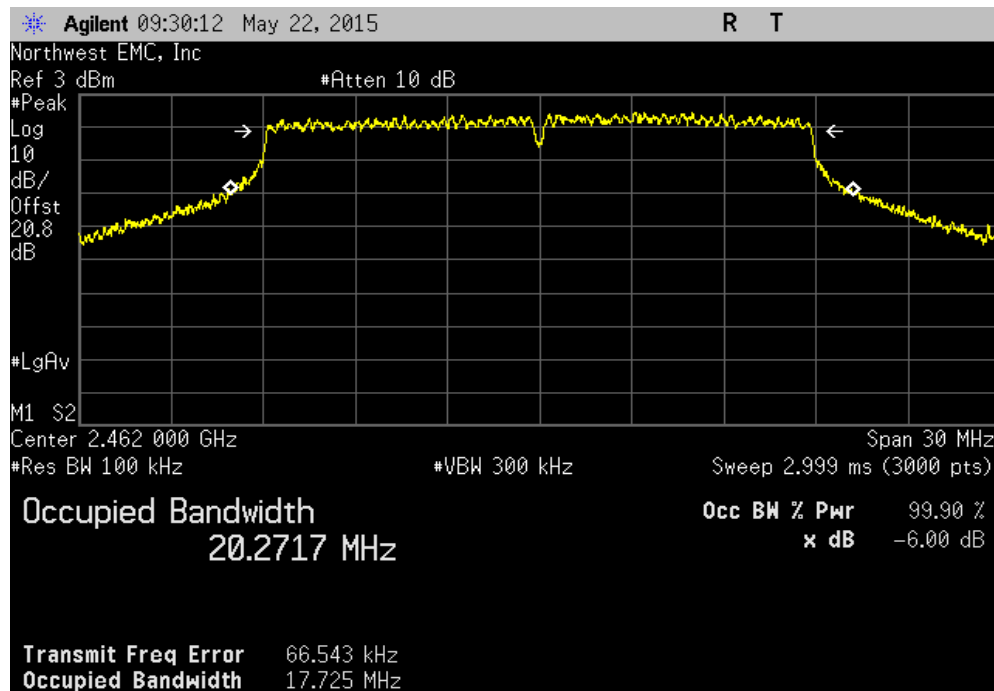
20 MHz, Chain B, 802.11(n) MCS0, Mid Channel 6, 2437 MHz						
				Value	Limit (>)	Result
				17.69 MHz	500 kHz	Pass



OCCUPIED BANDWIDTH

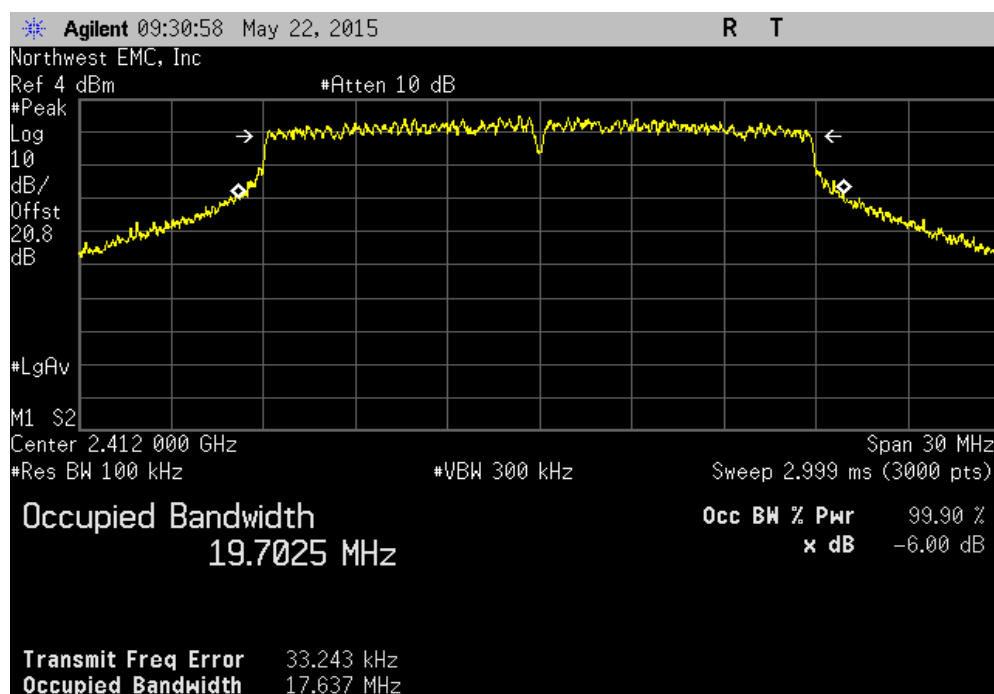
20 MHz, Chain B, 802.11(n) MCS0, High Channel 11, 2462 MHz

	Value	Limit (>)	Result
	17.725 MHz	500 kHz	Pass



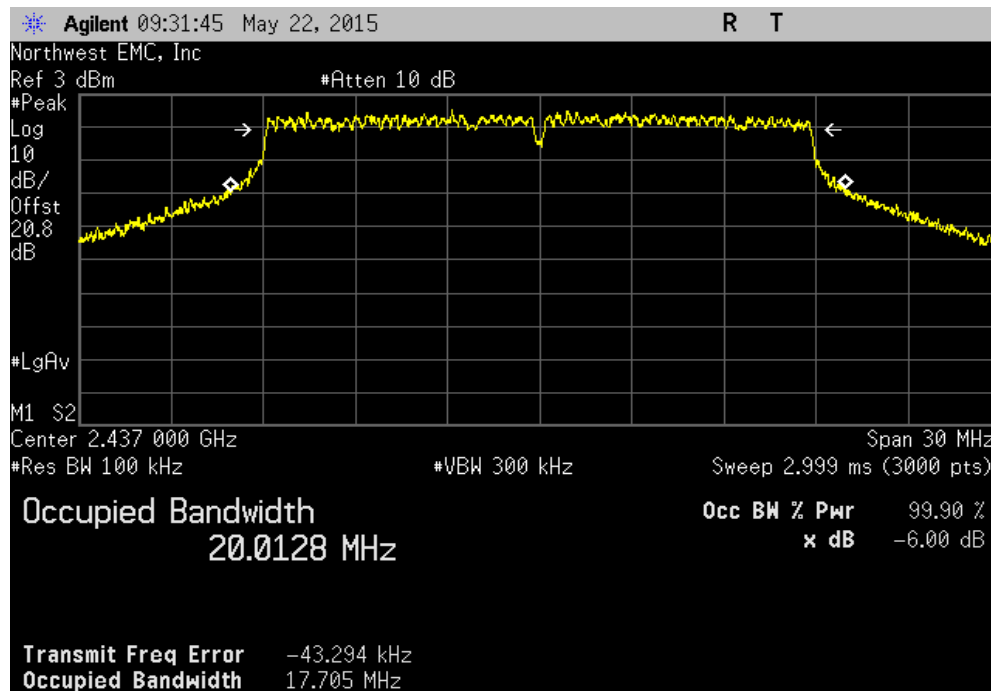
20 MHz, Chain B, 802.11(n) MCS7, Low Channel 1, 2412 MHz

	Value	Limit (>)	Result
	17.637 MHz	500 kHz	Pass

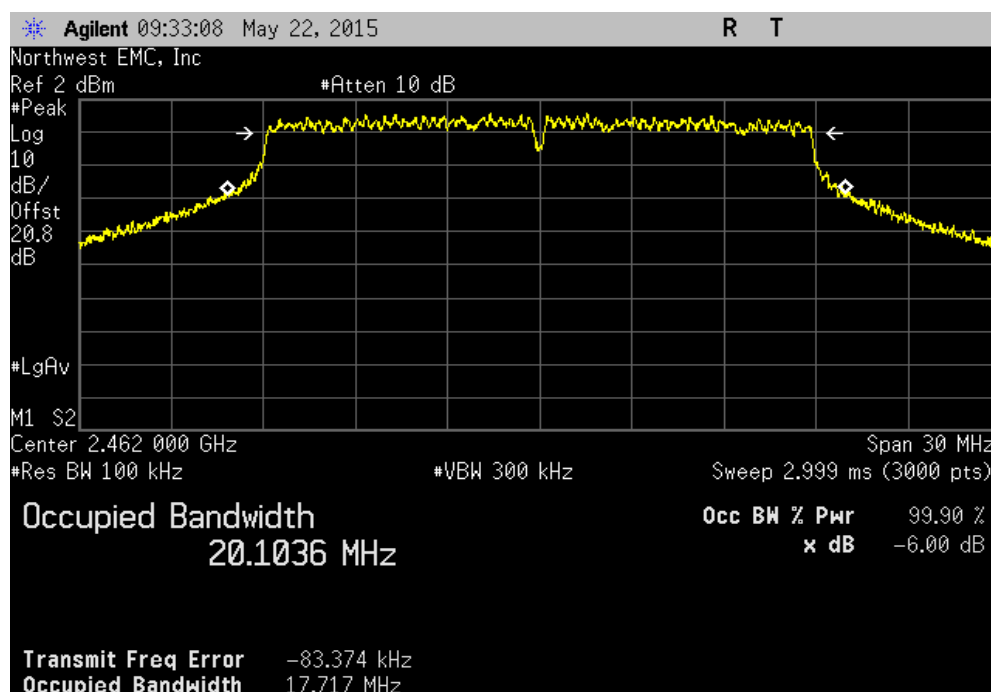


OCCUPIED BANDWIDTH

20 MHz, Chain B, 802.11(n) MCS7, Mid Channel 6, 2437 MHz						
				Value	Limit (>)	Result
				17.705 MHz	500 kHz	Pass

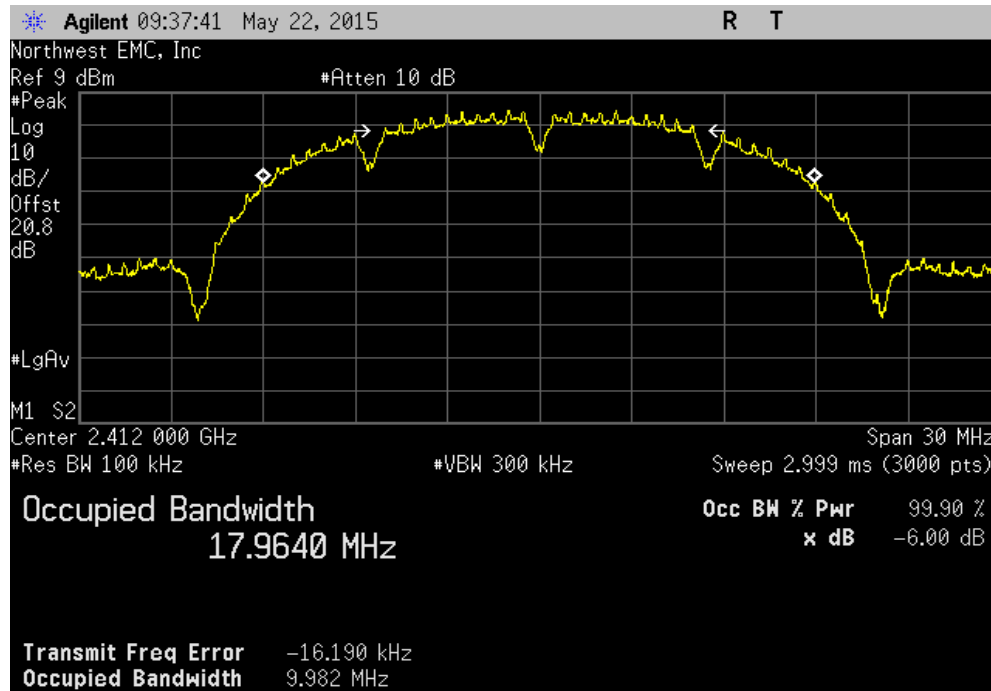


20 MHz, Chain B, 802.11(n) MCS7, High Channel 11, 2462 MHz						
				Value	Limit (>)	Result
				17.717 MHz	500 kHz	Pass

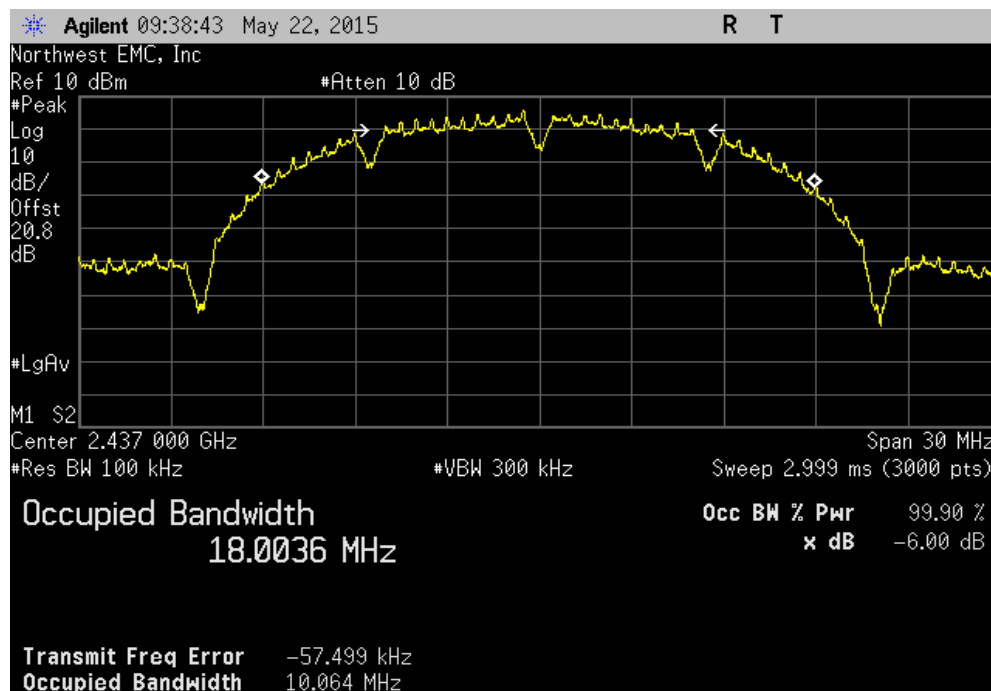


OCCUPIED BANDWIDTH

20 MHz, Chain C, 802.11(b) 1 Mbps, Low Channel 1, 2412 MHz						
				Value	Limit (>)	Result
				9.982 MHz	500 kHz	Pass

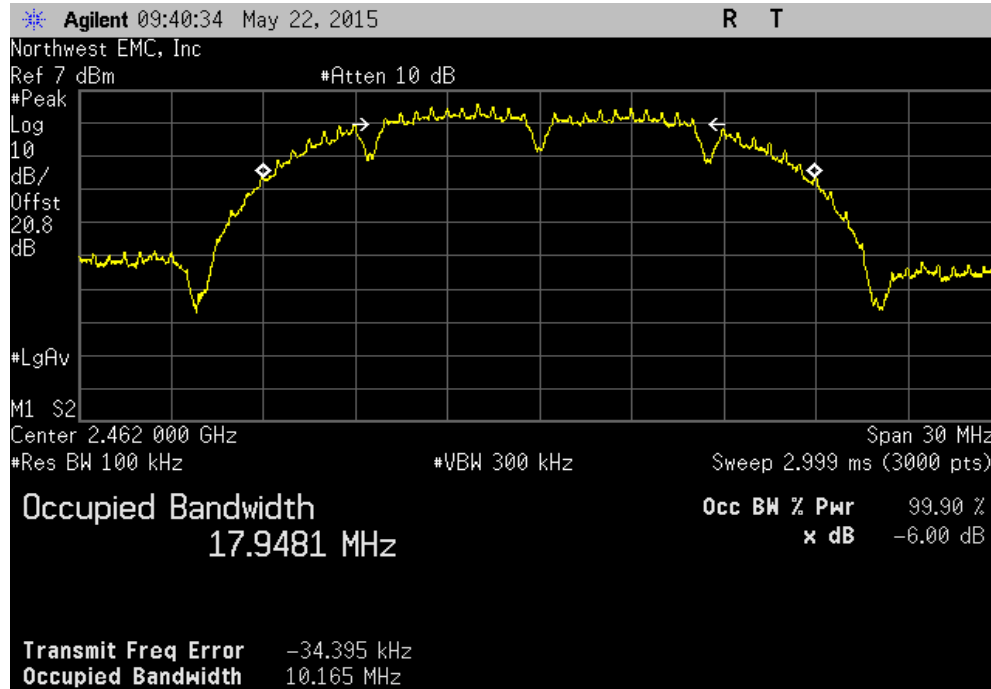


20 MHz, Chain C, 802.11(b) 1 Mbps, Mid Channel 6, 2437 MHz						
				Value	Limit (>)	Result
				10.064 MHz	500 kHz	Pass

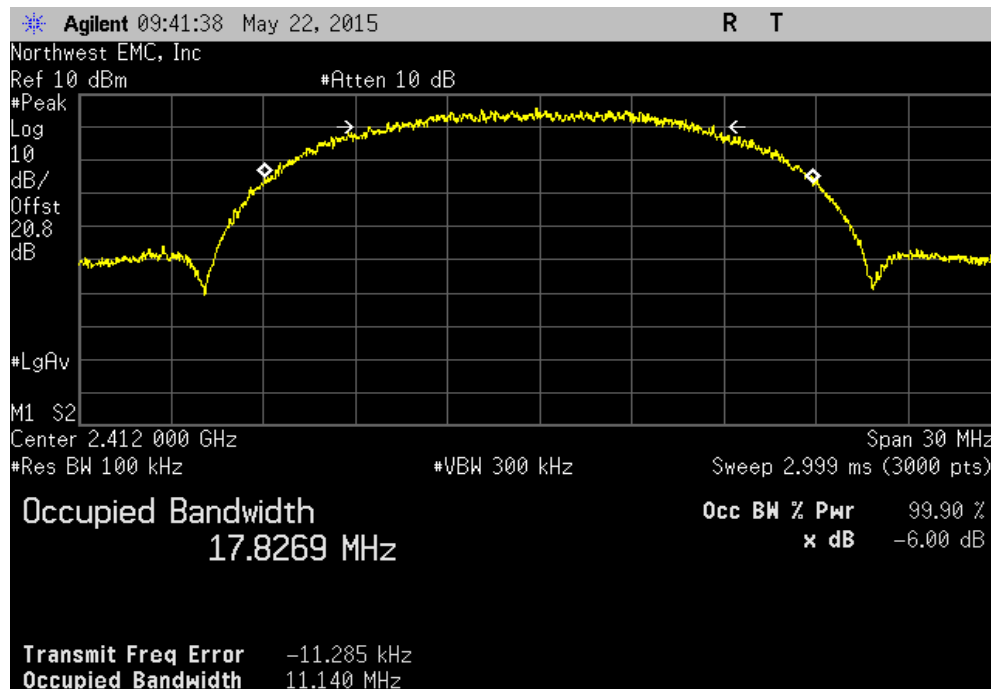


OCCUPIED BANDWIDTH

20 MHz, Chain C, 802.11(b) 1 Mbps, High Channel 11, 2462 MHz						
				Value	Limit (>)	Result
				10.165 MHz	500 kHz	Pass

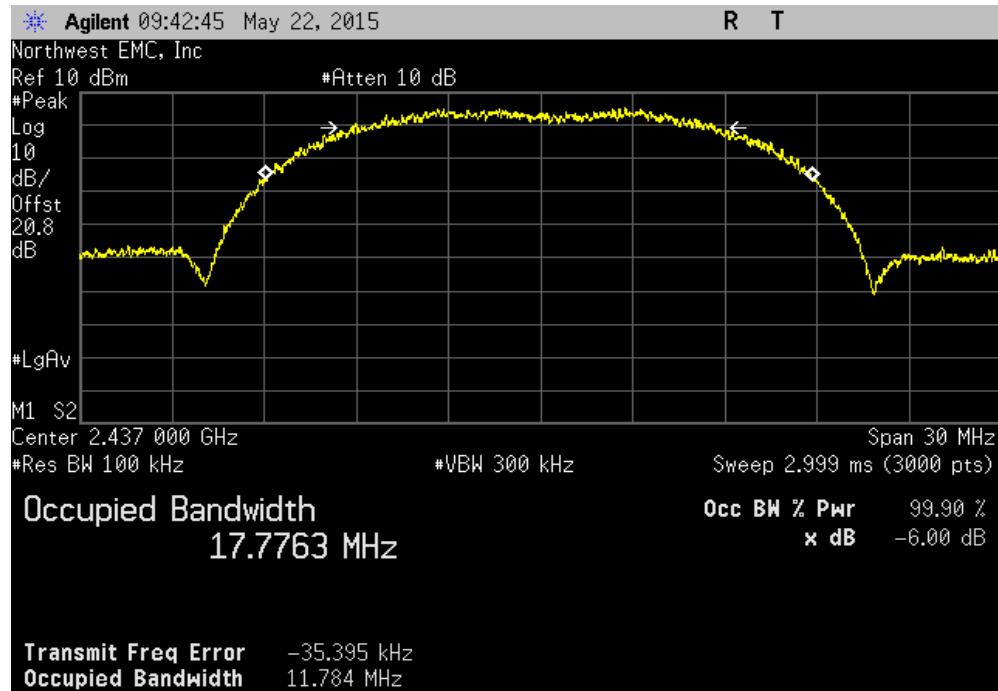


20 MHz, Chain C, 802.11(b) 11 Mbps, Low Channel 1, 2412 MHz						
				Value	Limit (>)	Result
				11.14 MHz	500 kHz	Pass

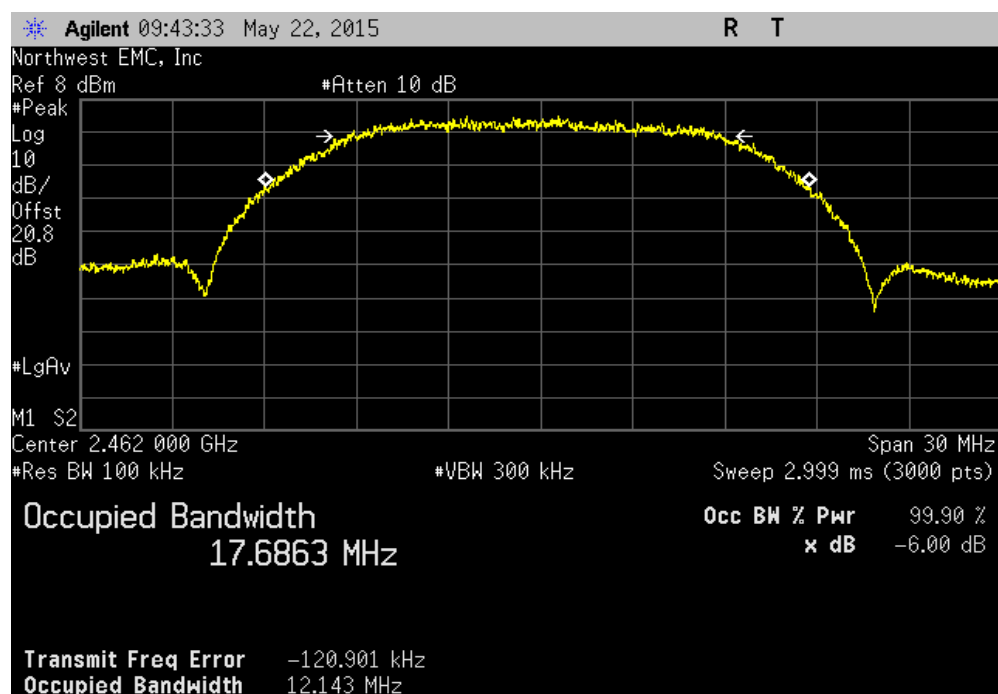


OCCUPIED BANDWIDTH

20 MHz, Chain C, 802.11(b) 11 Mbps, Mid Channel 6, 2437 MHz						
				Value	Limit (>)	Result
				11.784 MHz	500 kHz	Pass

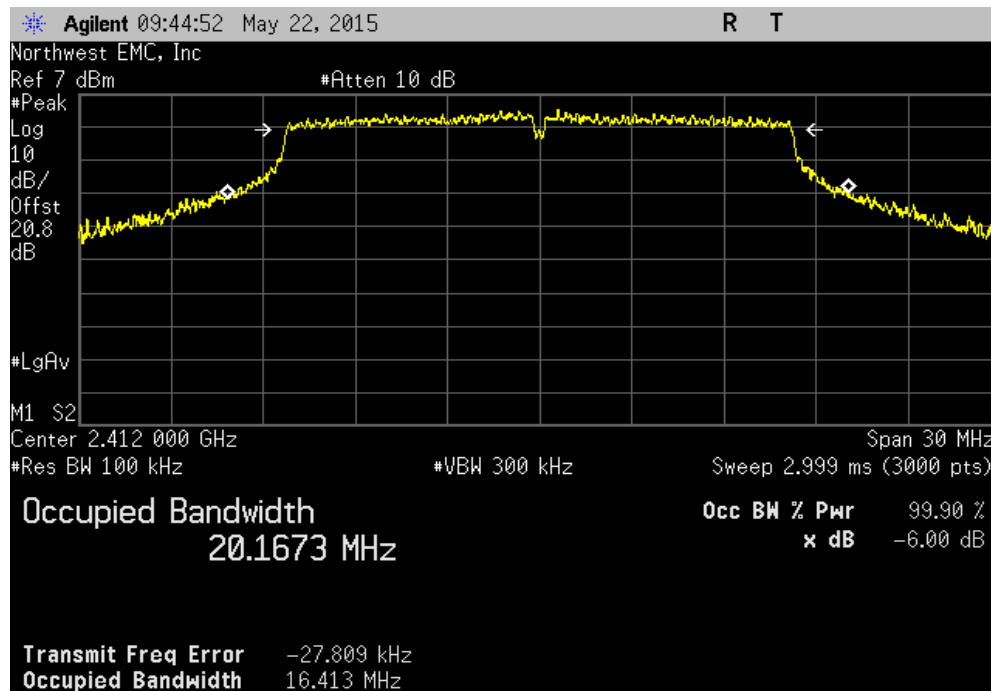


20 MHz, Chain C, 802.11(b) 11 Mbps, High Channel 11, 2462 MHz						
				Value	Limit (>)	Result
				12.143 MHz	500 kHz	Pass

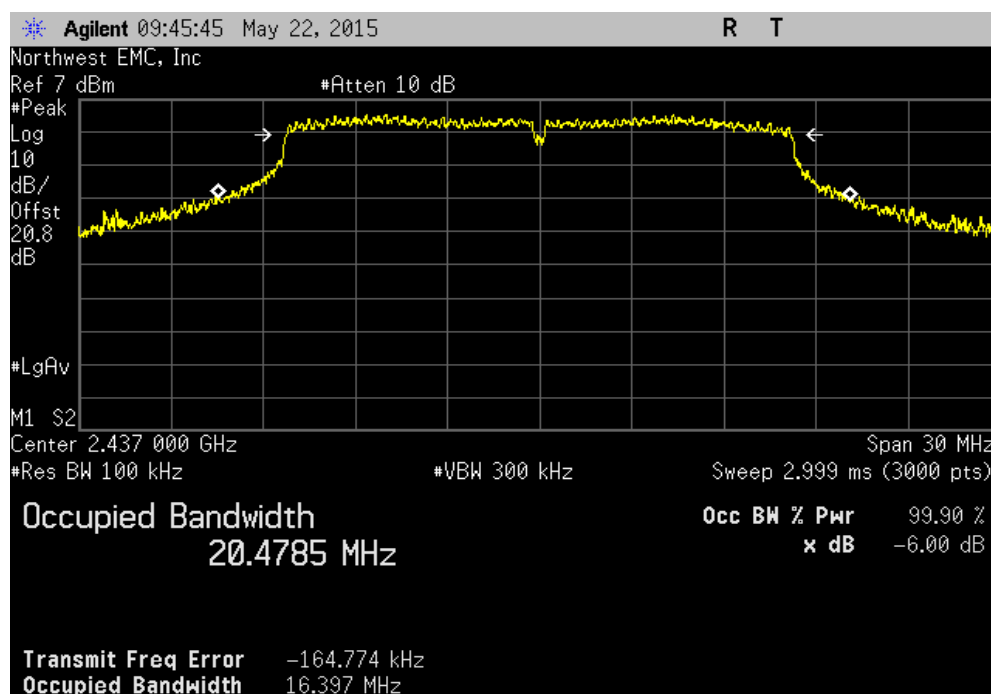


OCCUPIED BANDWIDTH

20 MHz, Chain C, 802.11(g) 6 Mbps, Low Channel 1, 2412 MHz						
				Value	Limit (>)	Result
				16.413 MHz	500 kHz	Pass



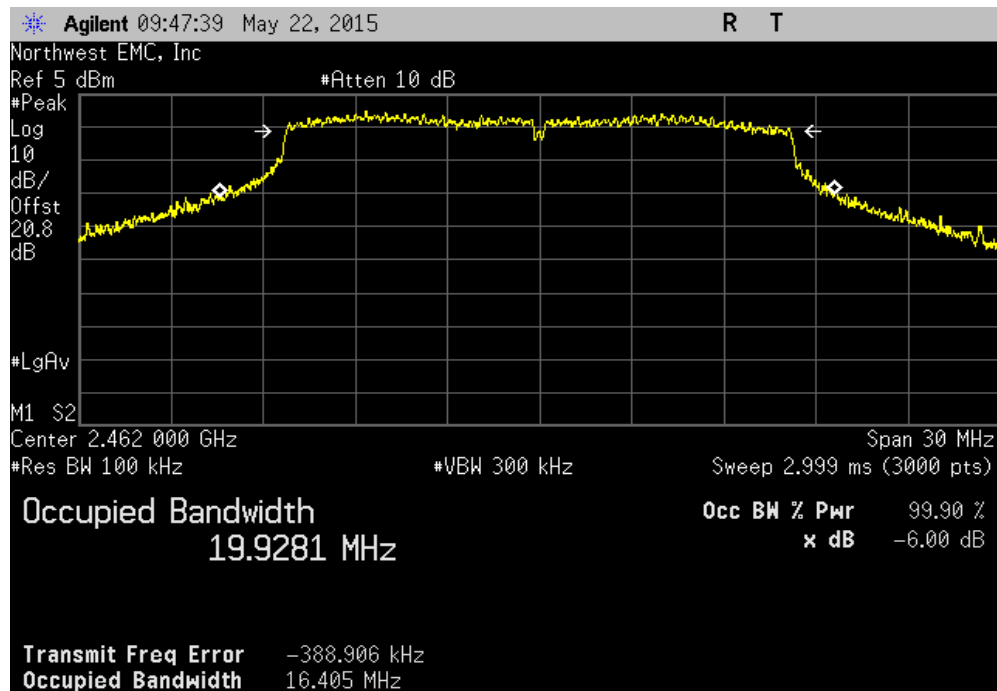
20 MHz, Chain C, 802.11(g) 6 Mbps, Mid Channel 6, 2437 MHz						
				Value	Limit (>)	Result
				16.397 MHz	500 kHz	Pass



OCCUPIED BANDWIDTH

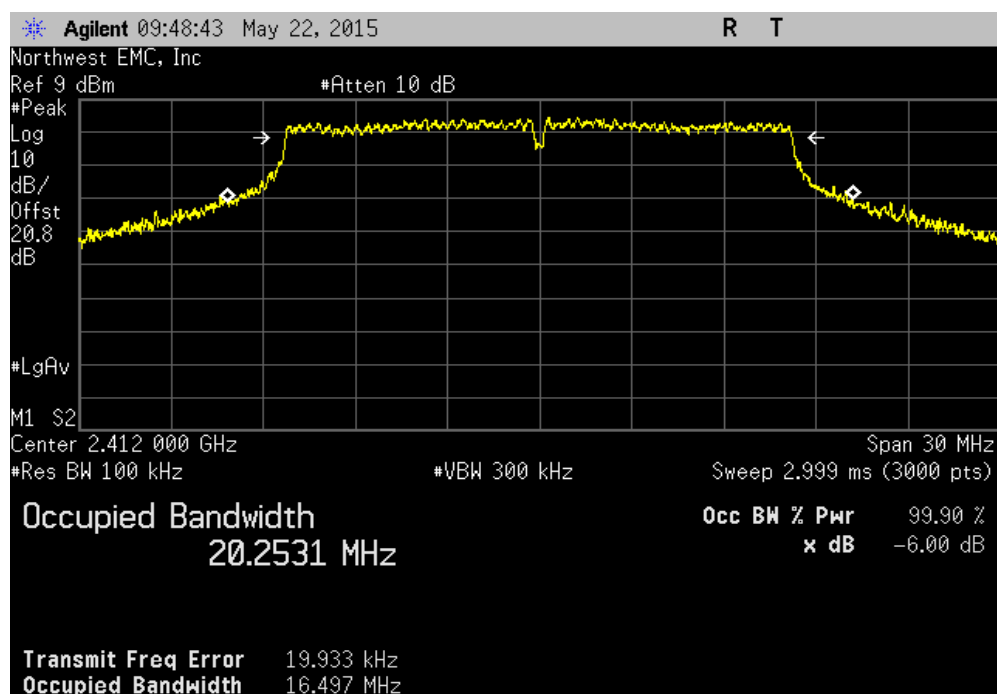
20 MHz, Chain C, 802.11(g) 6 Mbps, High Channel 11, 2462 MHz

	Value	Limit (>)	Result
	16.405 MHz	500 kHz	Pass



20 MHz, Chain C, 802.11(g) 36 Mbps, Low Channel 1, 2412 MHz

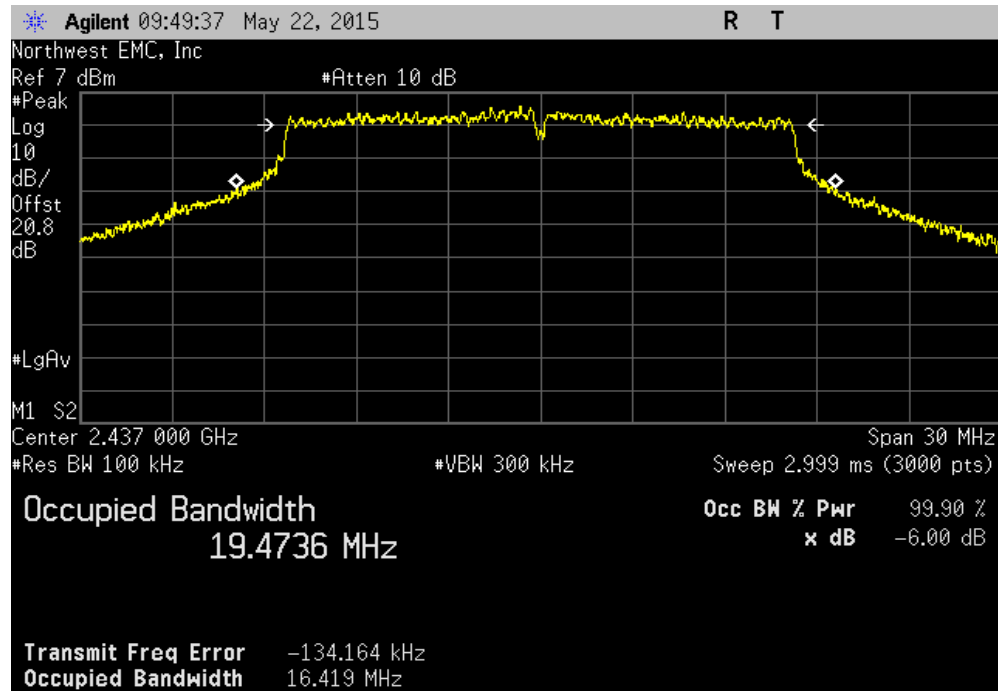
	Value	Limit (>)	Result
	16.497 MHz	500 kHz	Pass



OCCUPIED BANDWIDTH

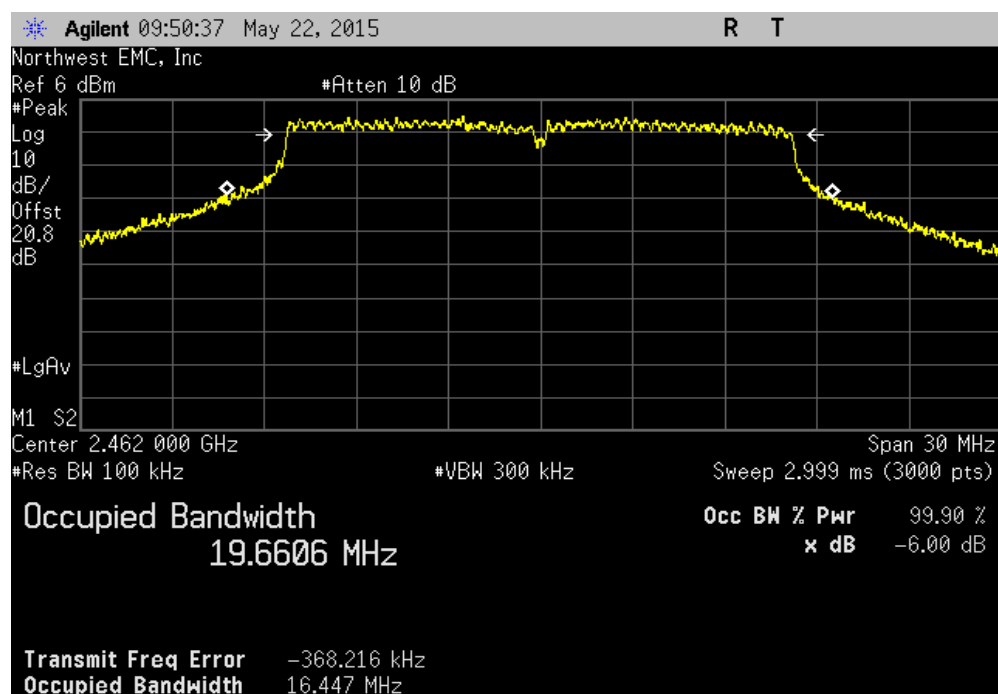
20 MHz, Chain C, 802.11(g) 36 Mbps, Mid Channel 6, 2437 MHz

	Value	Limit (>)	Result
	16.419 MHz	500 kHz	Pass



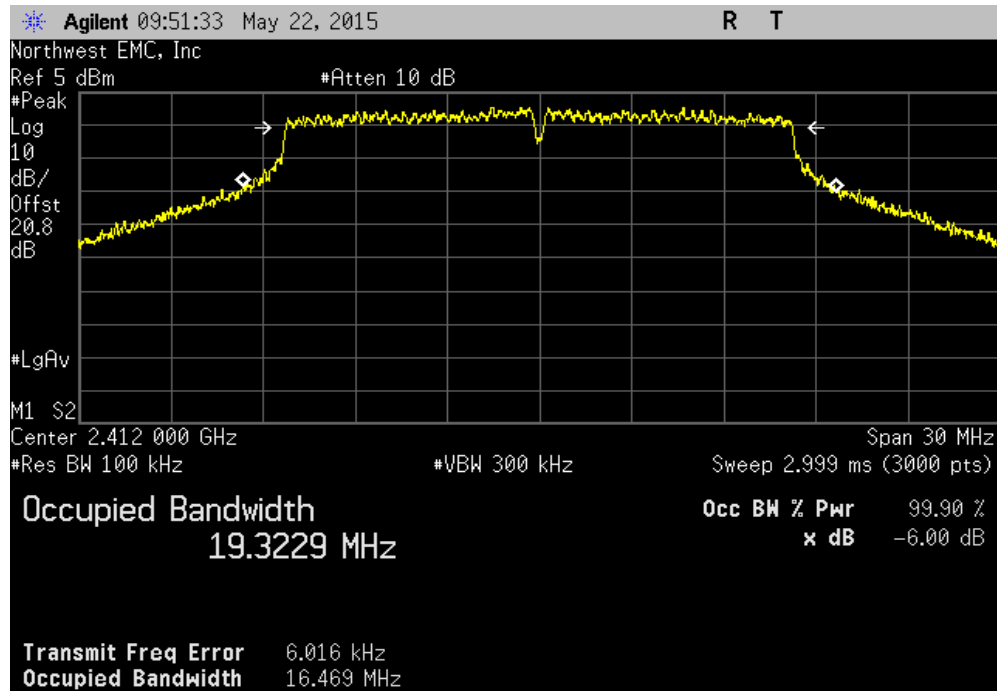
20 MHz, Chain C, 802.11(g) 36 Mbps, High Channel 11, 2462 MHz

	Value	Limit (>)	Result
	16.447 MHz	500 kHz	Pass

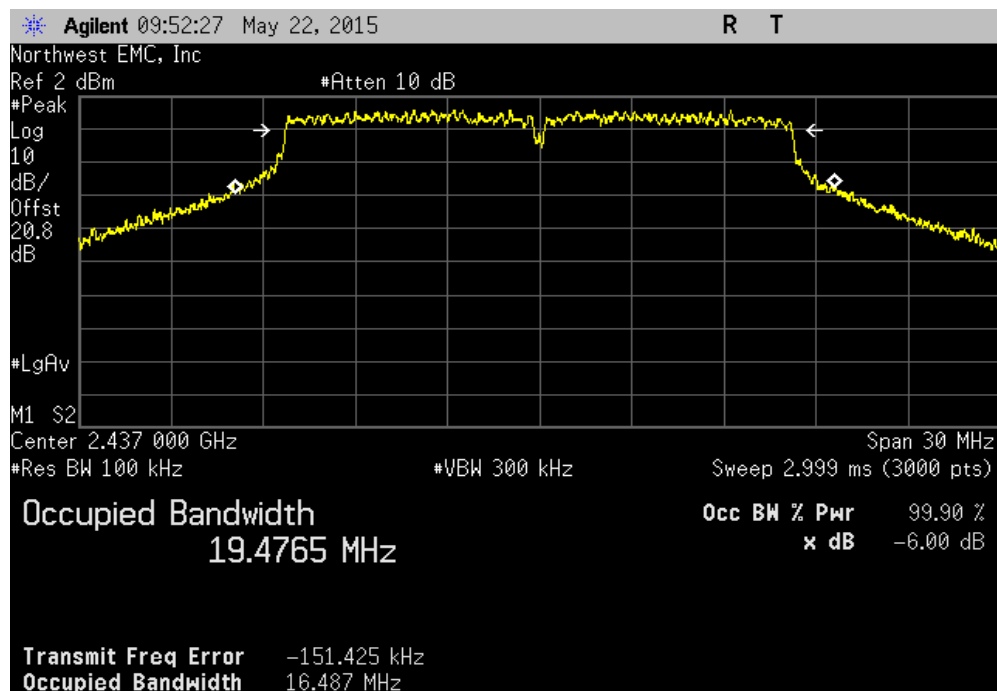


OCCUPIED BANDWIDTH

20 MHz, Chain C, 802.11(g) 54 Mbps, Low Channel 1, 2412 MHz						
				Value	Limit (>)	Result
				16.469 MHz	500 kHz	Pass

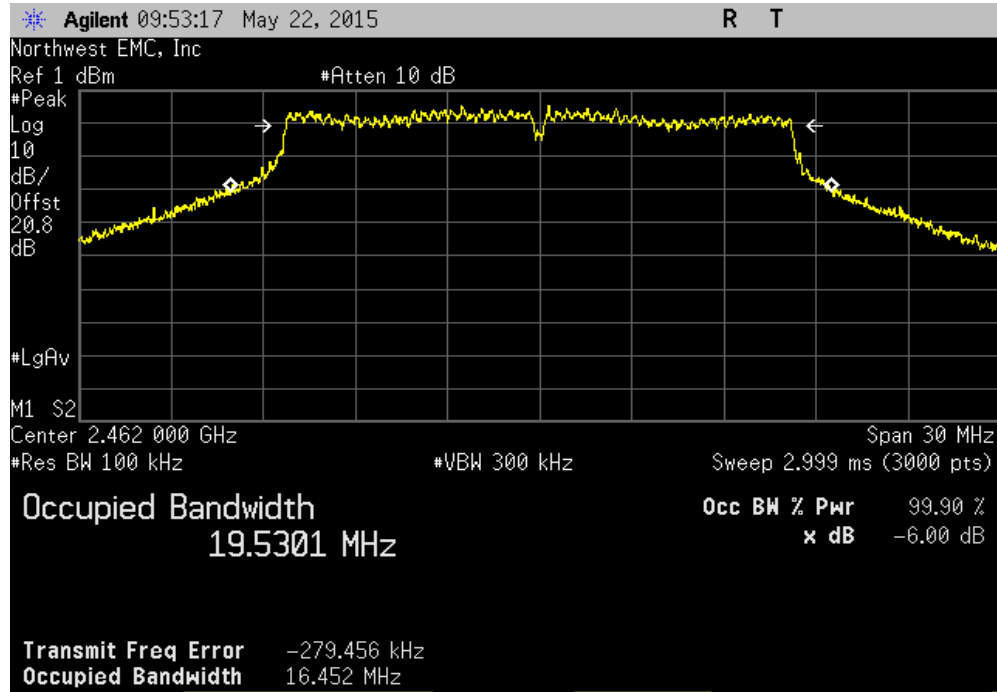


20 MHz, Chain C, 802.11(g) 54 Mbps, Mid Channel 6, 2437 MHz						
				Value	Limit (>)	Result
				16.487 MHz	500 kHz	Pass

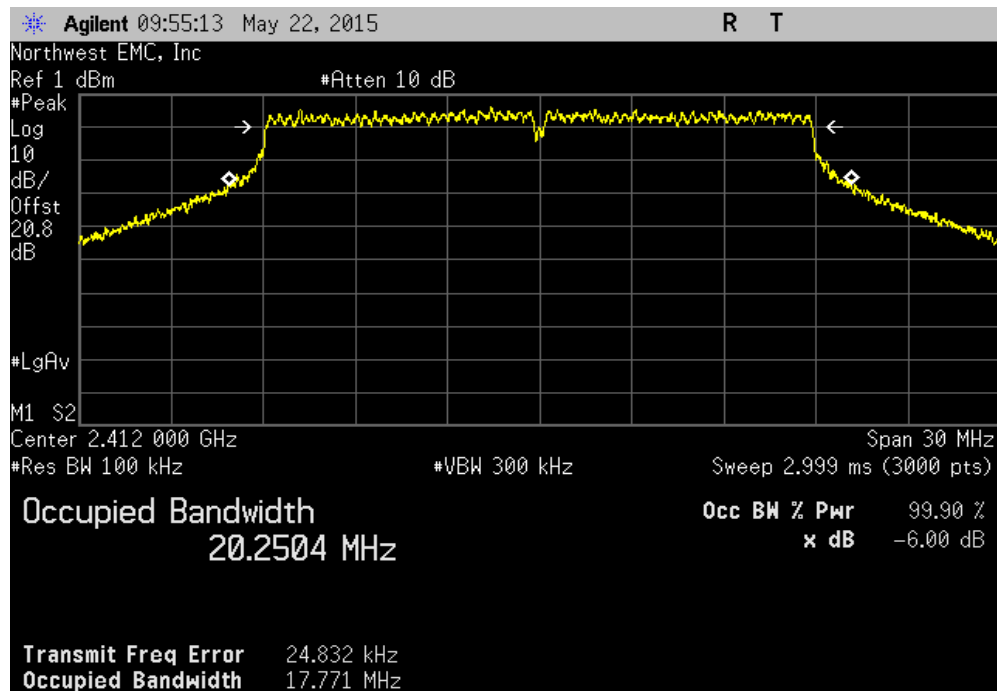


OCCUPIED BANDWIDTH

20 MHz, Chain C, 802.11(g) 54 Mbps, High Channel 11, 2462 MHz						
				Value	Limit (>)	Result
				16.452 MHz	500 kHz	Pass

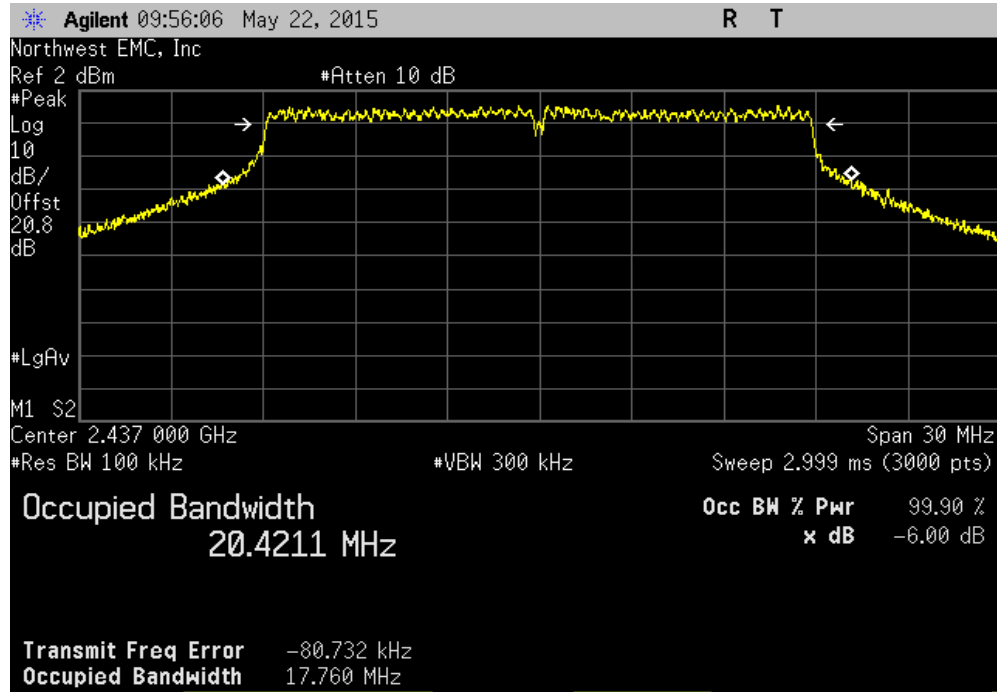


20 MHz, Chain C, 802.11(n) MCS0, Low Channel 1, 2412 MHz						
				Value	Limit (>)	Result
				17.771 MHz	500 kHz	Pass

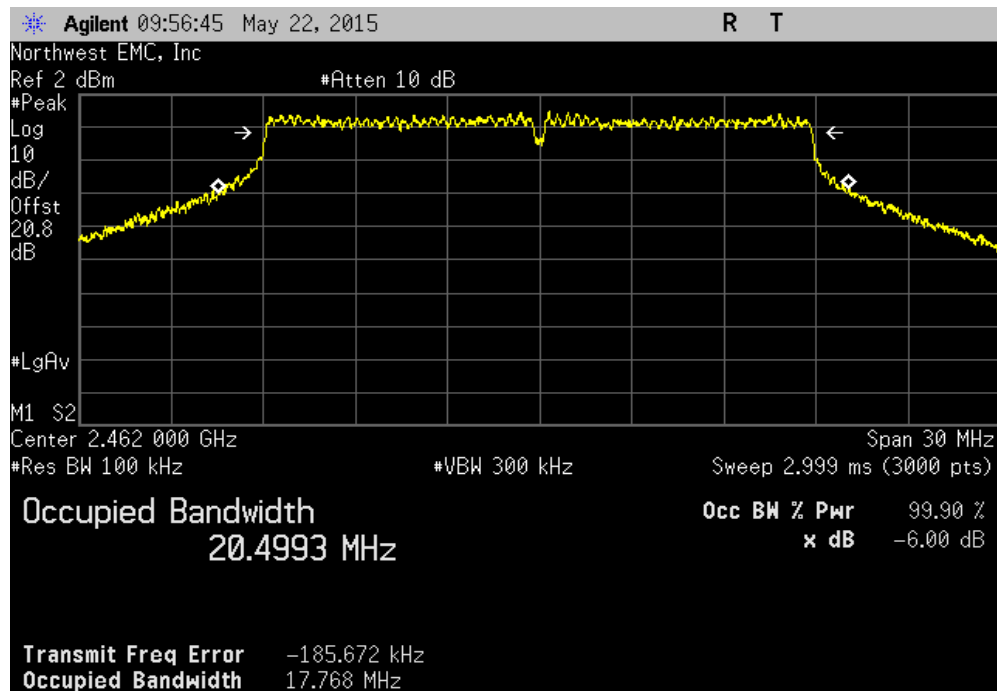


OCCUPIED BANDWIDTH

20 MHz, Chain C, 802.11(n) MCS0, Mid Channel 6, 2437 MHz						
				Value	Limit (>)	Result
				17.76 MHz	500 kHz	Pass

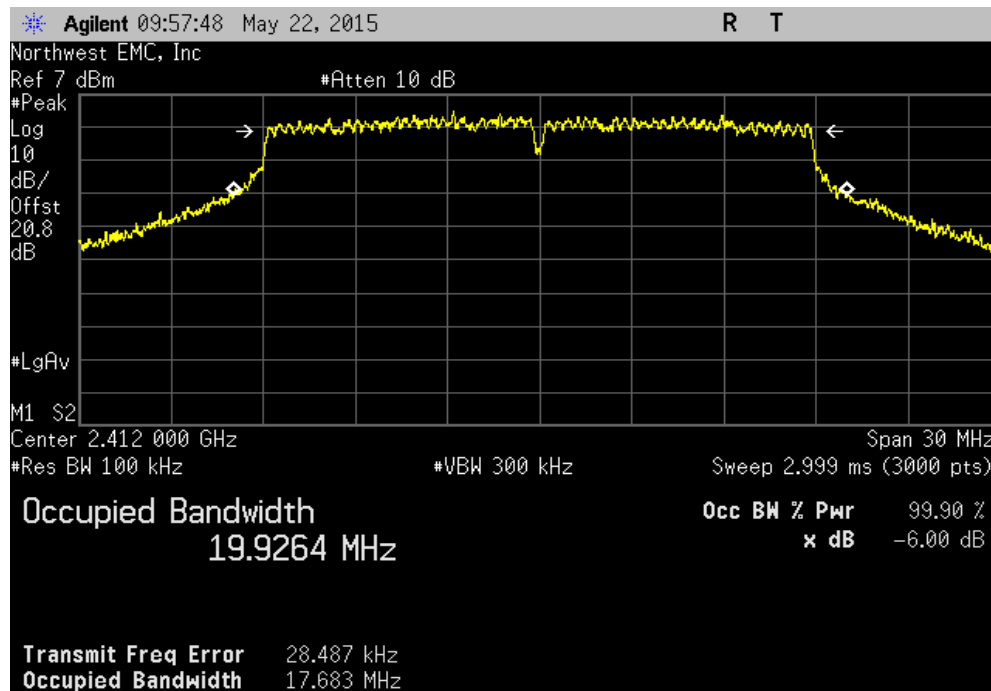


20 MHz, Chain C, 802.11(n) MCS0, High Channel 11, 2462 MHz						
				Value	Limit (>)	Result
				17.768 MHz	500 kHz	Pass

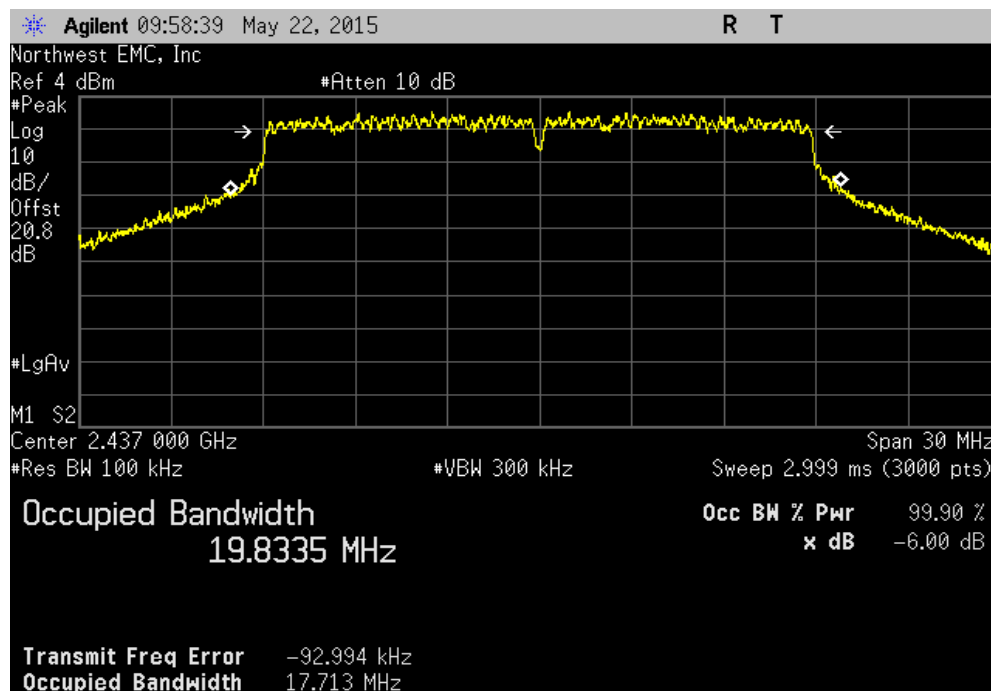


OCCUPIED BANDWIDTH

20 MHz, Chain C, 802.11(n) MCS7, Low Channel 1, 2412 MHz						
				Value	Limit (>)	Result
				17.683 MHz	500 kHz	Pass

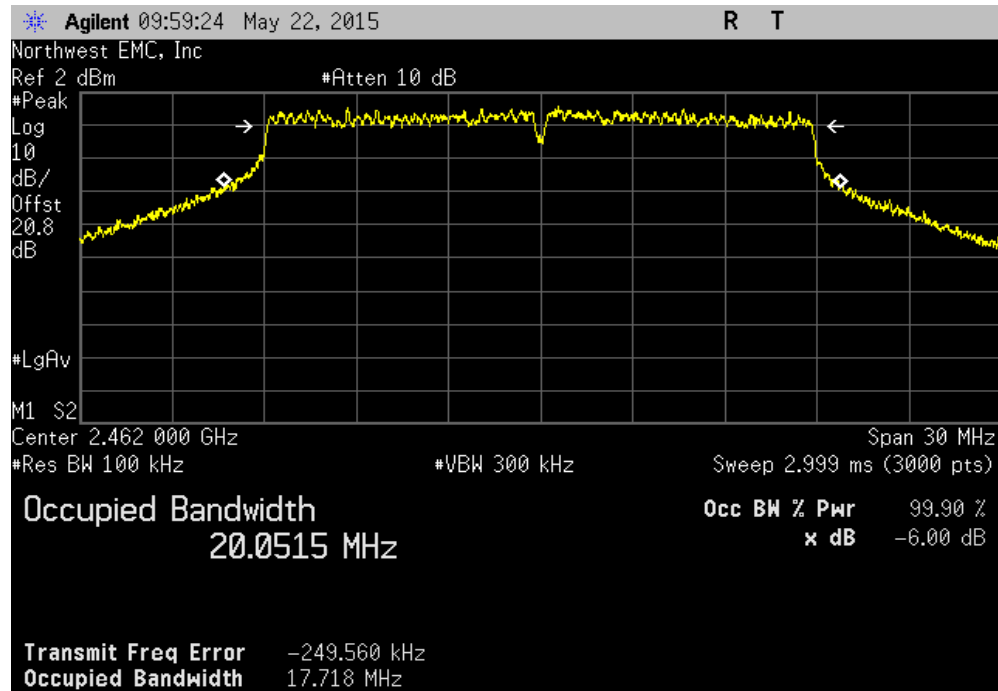


20 MHz, Chain C, 802.11(n) MCS7, Mid Channel 6, 2437 MHz						
				Value	Limit (>)	Result
				17.713 MHz	500 kHz	Pass



OCCUPIED BANDWIDTH

20 MHz, Chain C, 802.11(n) MCS7, High Channel 11, 2462 MHz						
Value				Limit	Result	
				(>)		
17.718 MHz				500 kHz	Pass	



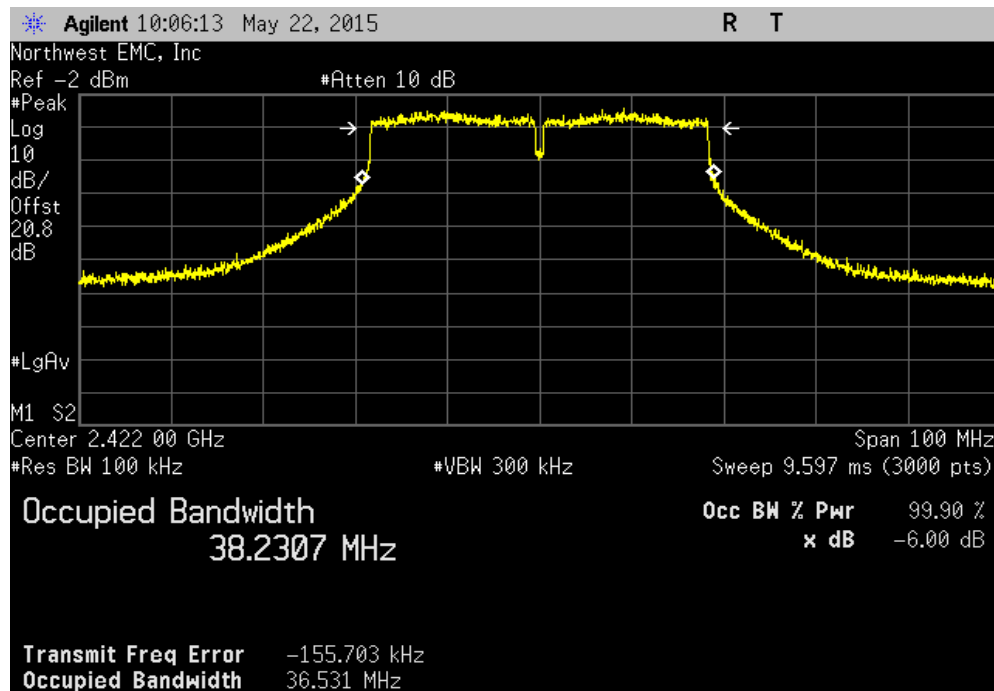
OCCUPIED BANDWIDTH

EUT: RLX2-IHNF		Work Order: PROS0222	
Serial Number: 000D8DF095CF		Date: 05/22/15	
Customer: ProSoft Technology, Inc.		Temperature: 24.4°C	
Attendees: None		Humidity: 44%	
Project: None		Barometric Pres.: 1021 mbar	
Tested by: Jonathan Kiefer, Jeremiah Darden		Power: 120V/60Hz	
		Job Site: TX09	
TEST SPECIFICATIONS		Test Method	
FCC 15.247:2015		ANSI C63.10:2009	
COMMENTS			
Offset 20.8 dB (DC Block + 20dB Attenuator + Coax Cable) for 2.4 GHz.			
DEVIATIONS FROM TEST STANDARD			
None			
Configuration #	1	Signature 	
		Value	Limit (>) Result
40 MHz			
Chain C			
802.11(n) MCS0			
	Low Channel 1, 2422 MHz	36.531 MHz	500 kHz Pass
	Mid Channel 6, 2437 MHz	36.557 MHz	500 kHz Pass
	High Channel 11, 2452 MHz	35.995 MHz	500 kHz Pass
802.11(n) MCS7			
	Low Channel 1, 2422 MHz	36.538 MHz	500 kHz Pass
	Mid Channel 6, 2437 MHz	36.514 MHz	500 kHz Pass
	High Channel 11, 2452 MHz	36.545 MHz	500 kHz Pass
Chain B			
802.11(n) MCS0			
	Low Channel 1, 2422 MHz	36.492 MHz	500 kHz Pass
	Mid Channel 6, 2437 MHz	36.52 MHz	500 kHz Pass
	High Channel 11, 2452 MHz	36.52 MHz	500 kHz Pass
802.11(n) MCS7			
	Low Channel 1, 2422 MHz	36.508 MHz	500 kHz Pass
	Mid Channel 6, 2437 MHz	36.577 MHz	500 kHz Pass
	High Channel 11, 2452 MHz	36.526 MHz	500 kHz Pass
Chain A			
802.11(n) MCS0			
	Low Channel 1, 2422 MHz	36.519 MHz	500 kHz Pass
	Mid Channel 6, 2437 MHz	36.564 MHz	500 kHz Pass
	High Channel 11, 2452 MHz	36.565 MHz	500 kHz Pass
802.11(n) MCS7			
	Low Channel 1, 2422 MHz	36.54 MHz	500 kHz Pass
	Mid Channel 6, 2437 MHz	36.534 MHz	500 kHz Pass
	High Channel 11, 2452 MHz	36.552 MHz	500 kHz Pass

OCCUPIED BANDWIDTH

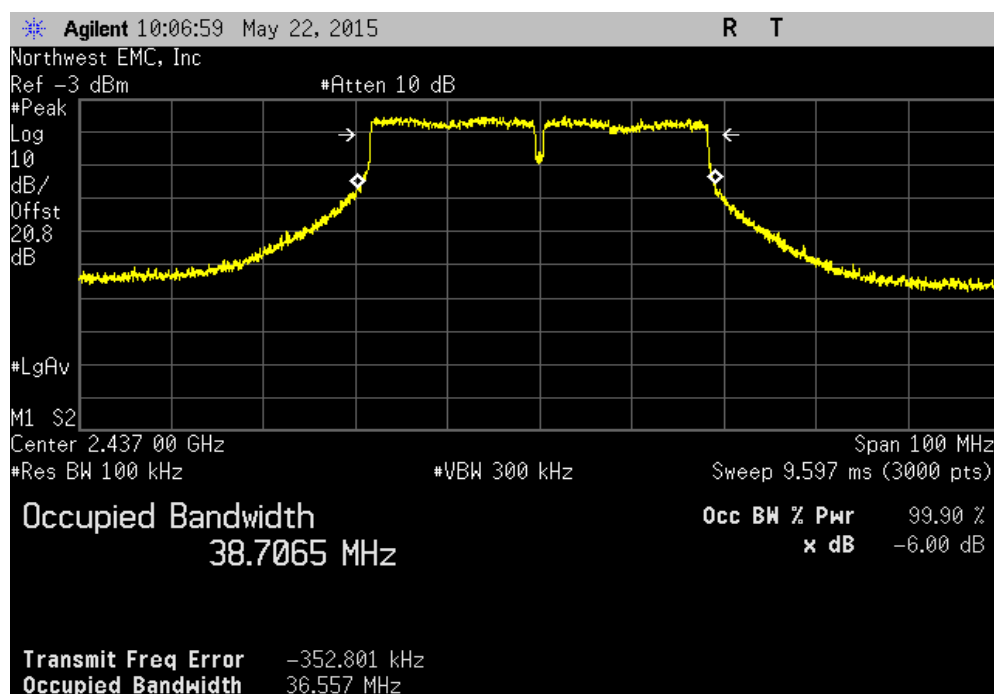
40 MHz, Chain C, 802.11(n) MCS0, Low Channel 1, 2422 MHz

	Value	Limit (>)	Result
	36.531 MHz	500 kHz	Pass



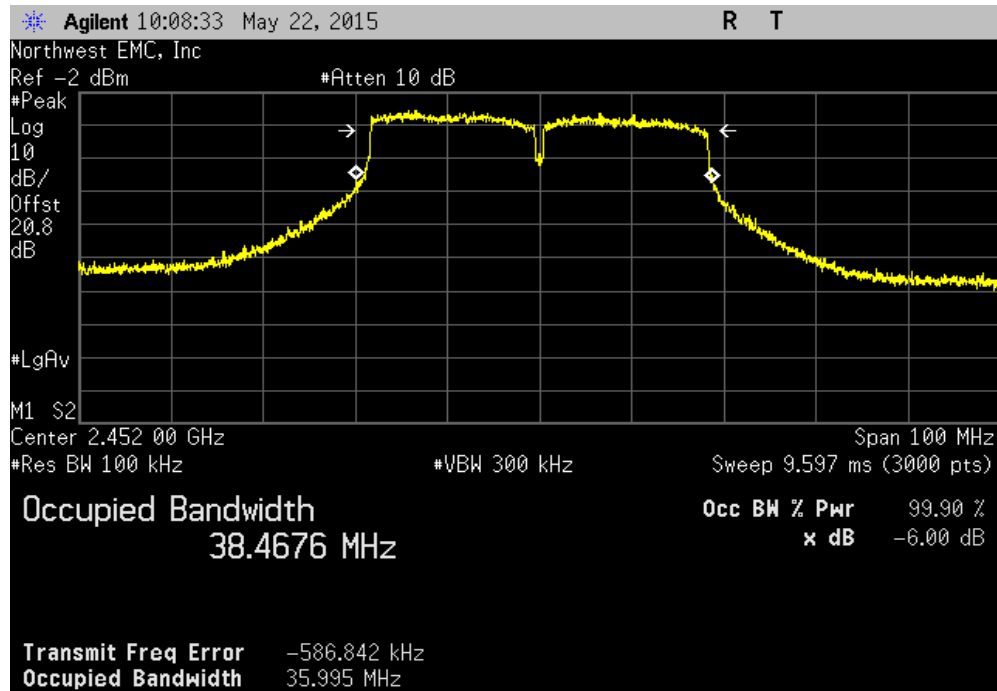
40 MHz, Chain C, 802.11(n) MCS0, Mid Channel 6, 2437 MHz

	Value	Limit (>)	Result
	36.557 MHz	500 kHz	Pass

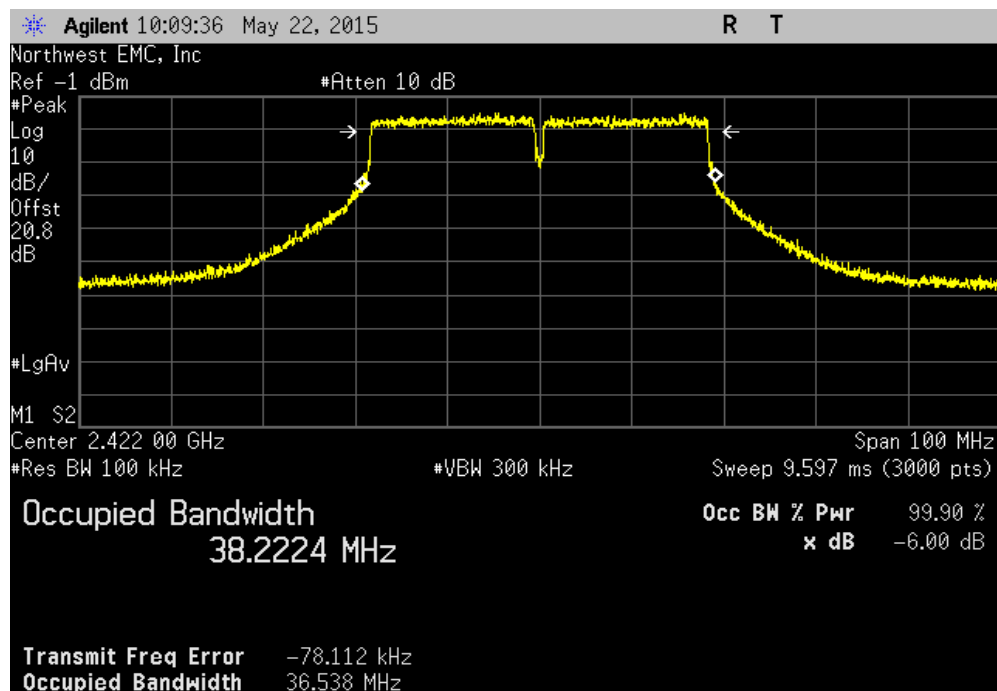


OCCUPIED BANDWIDTH

40 MHz, Chain C, 802.11(n) MCS0, High Channel 11, 2452 MHz						
				Value	Limit (>)	Result
				35.995 MHz	500 kHz	Pass

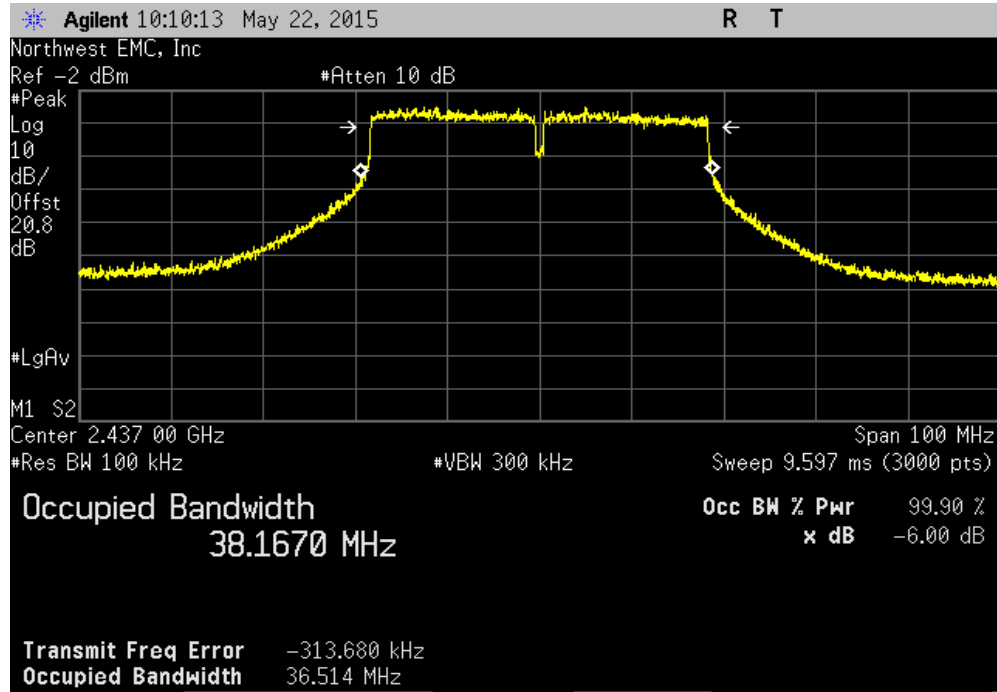


40 MHz, Chain C, 802.11(n) MCS7, Low Channel 1, 2422 MHz						
				Value	Limit (>)	Result
				36.538 MHz	500 kHz	Pass

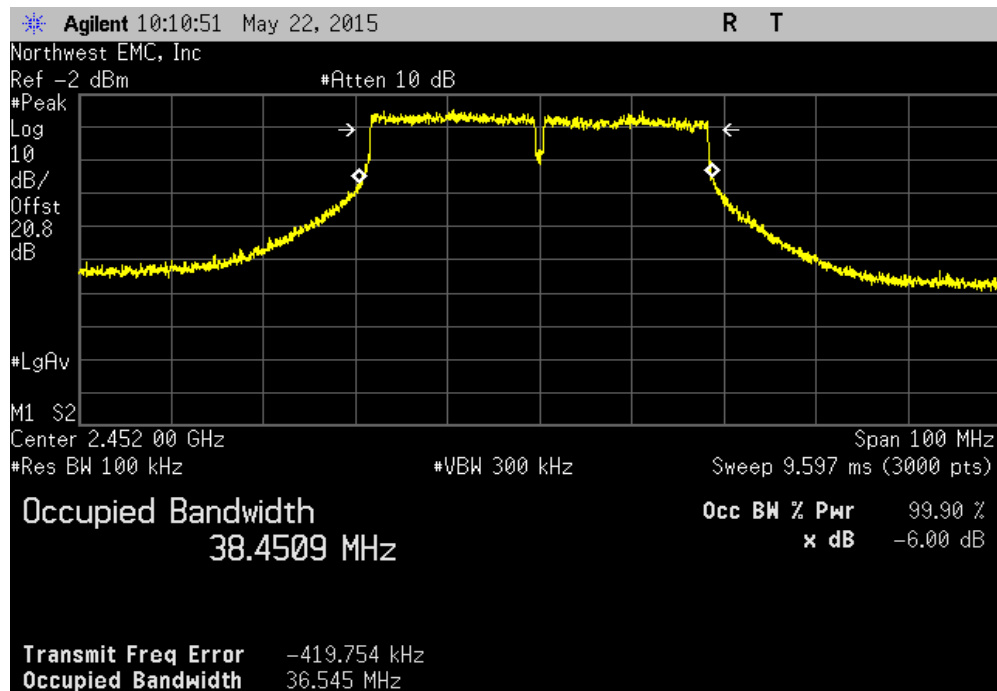


OCCUPIED BANDWIDTH

40 MHz, Chain C, 802.11(n) MCS7, Mid Channel 6, 2437 MHz						
				Value	Limit (>)	Result
				36.514 MHz	500 kHz	Pass

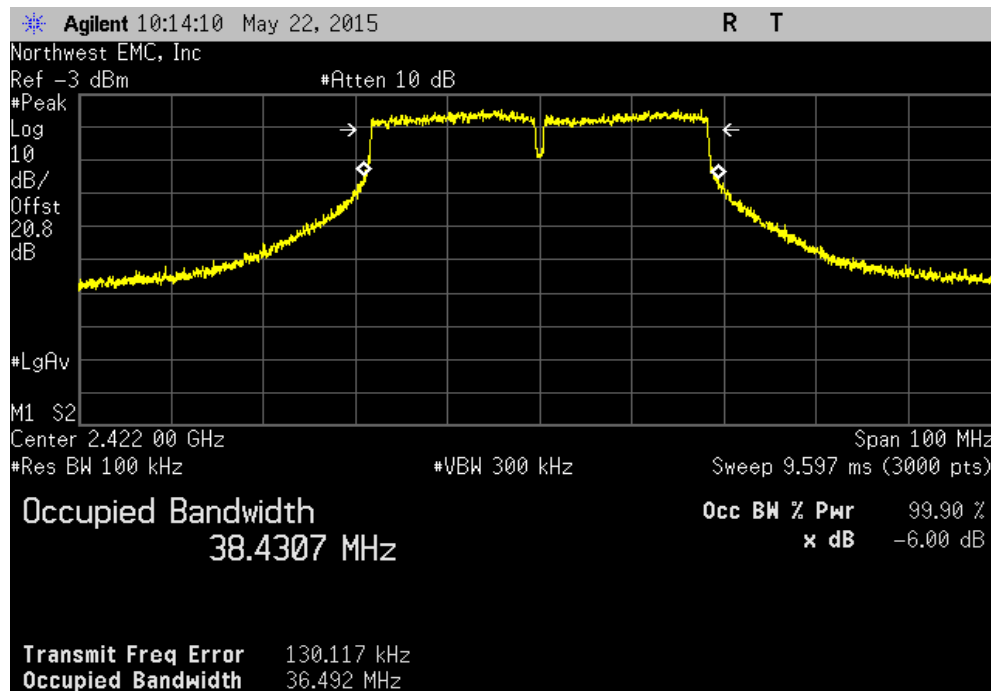


40 MHz, Chain C, 802.11(n) MCS7, High Channel 11, 2452 MHz						
				Value	Limit (>)	Result
				36.545 MHz	500 kHz	Pass

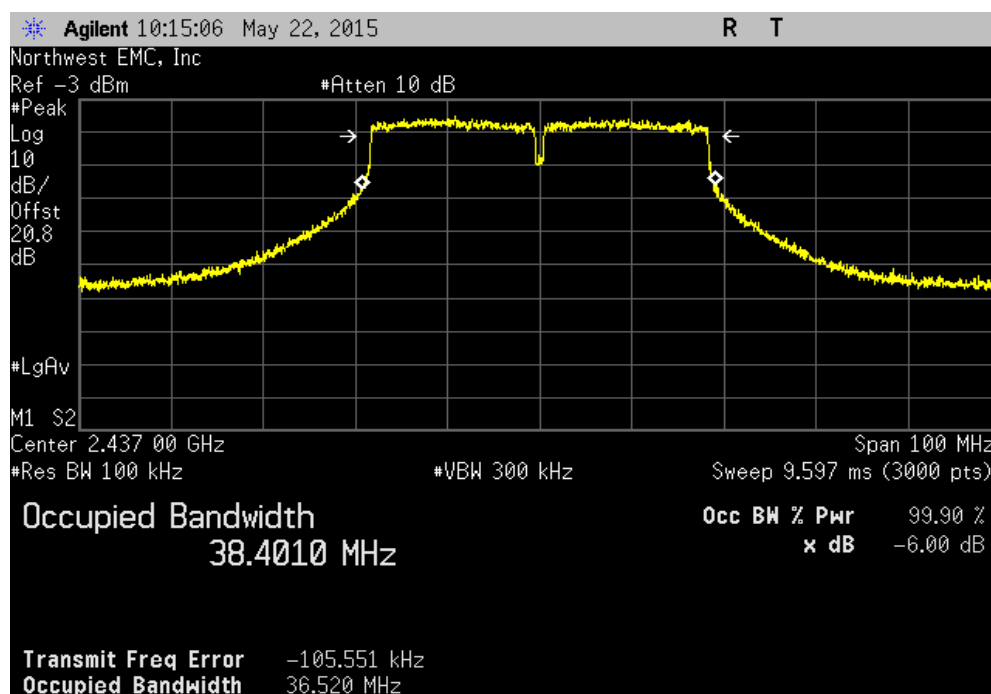


OCCUPIED BANDWIDTH

40 MHz, Chain B, 802.11(n) MCS0, Low Channel 1, 2422 MHz						
				Value	Limit (>)	Result
				36.492 MHz	500 kHz	Pass



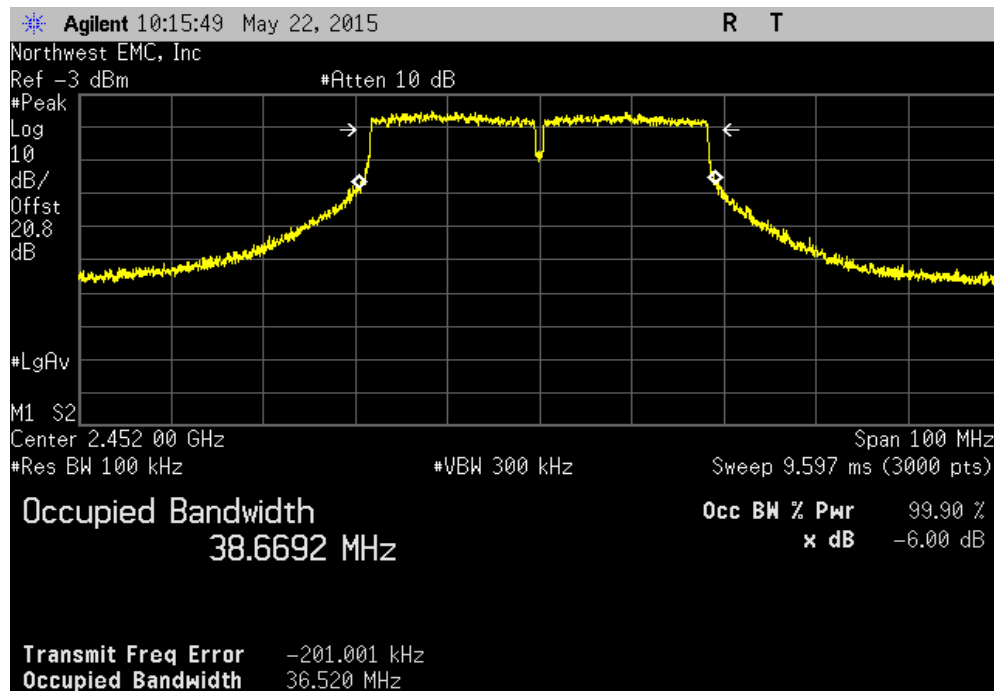
40 MHz, Chain B, 802.11(n) MCS0, Mid Channel 6, 2437 MHz						
				Value	Limit (>)	Result
				36.52 MHz	500 kHz	Pass



OCCUPIED BANDWIDTH

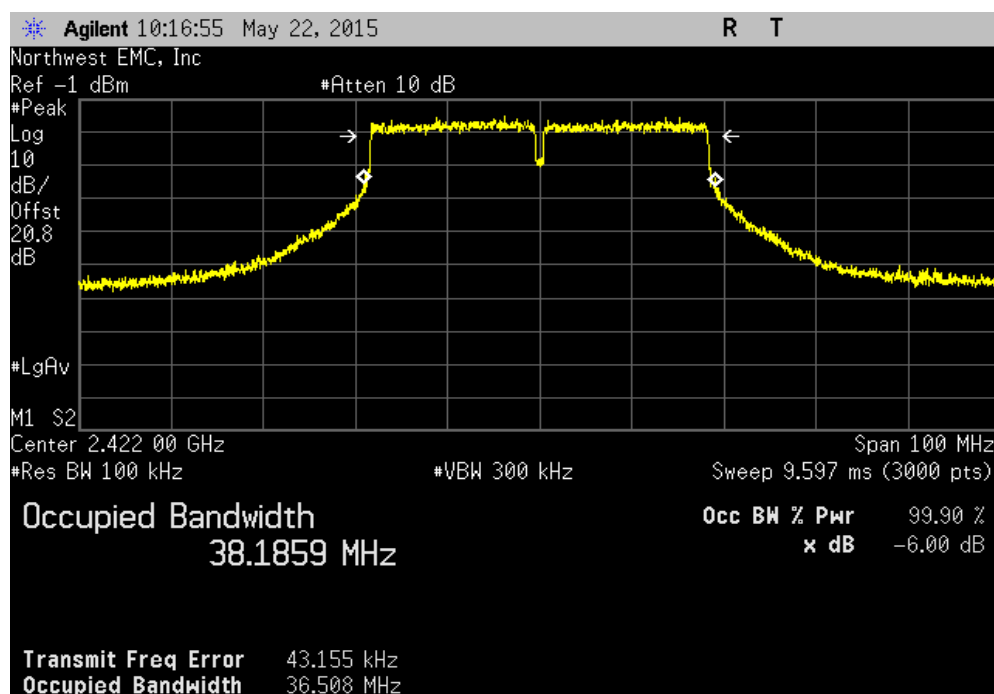
40 MHz, Chain B, 802.11(n) MCS0, High Channel 11, 2452 MHz

	Value	Limit (>)	Result
	36.52 MHz	500 kHz	Pass



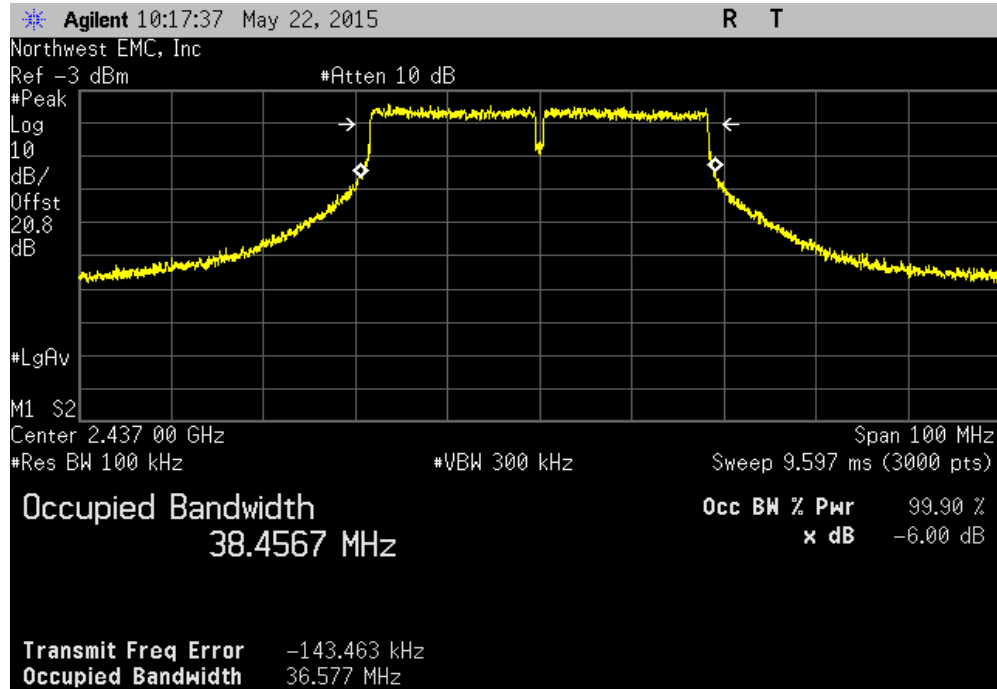
40 MHz, Chain B, 802.11(n) MCS7, Low Channel 1, 2422 MHz

	Value	Limit (>)	Result
	36.508 MHz	500 kHz	Pass

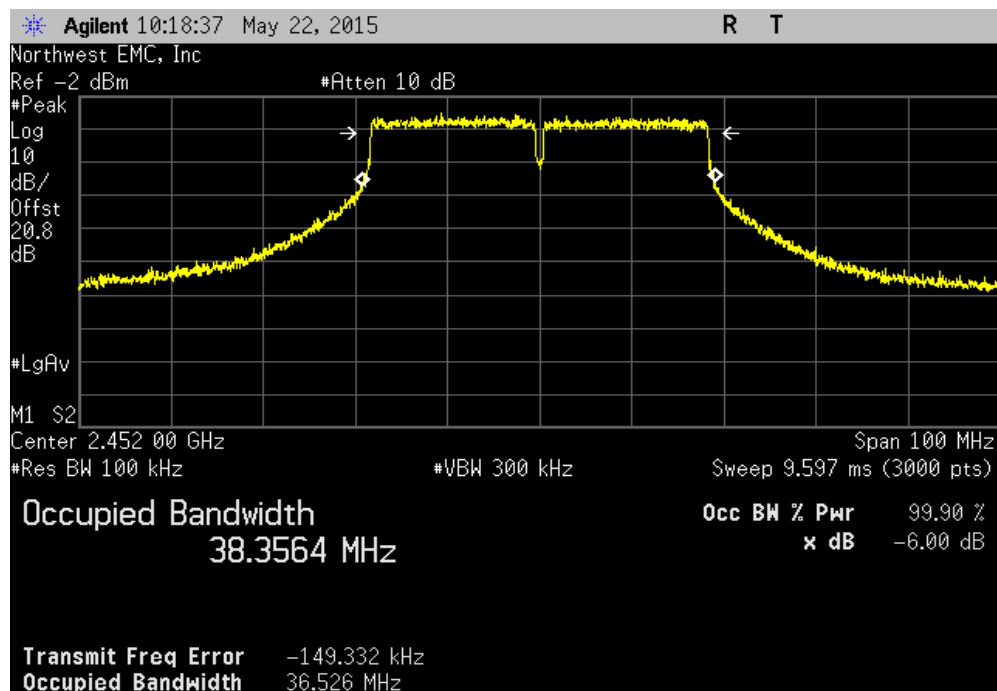


OCCUPIED BANDWIDTH

40 MHz, Chain B, 802.11(n) MCS7, Mid Channel 6, 2437 MHz						
				Value	Limit (>)	Result
				36.577 MHz	500 kHz	Pass

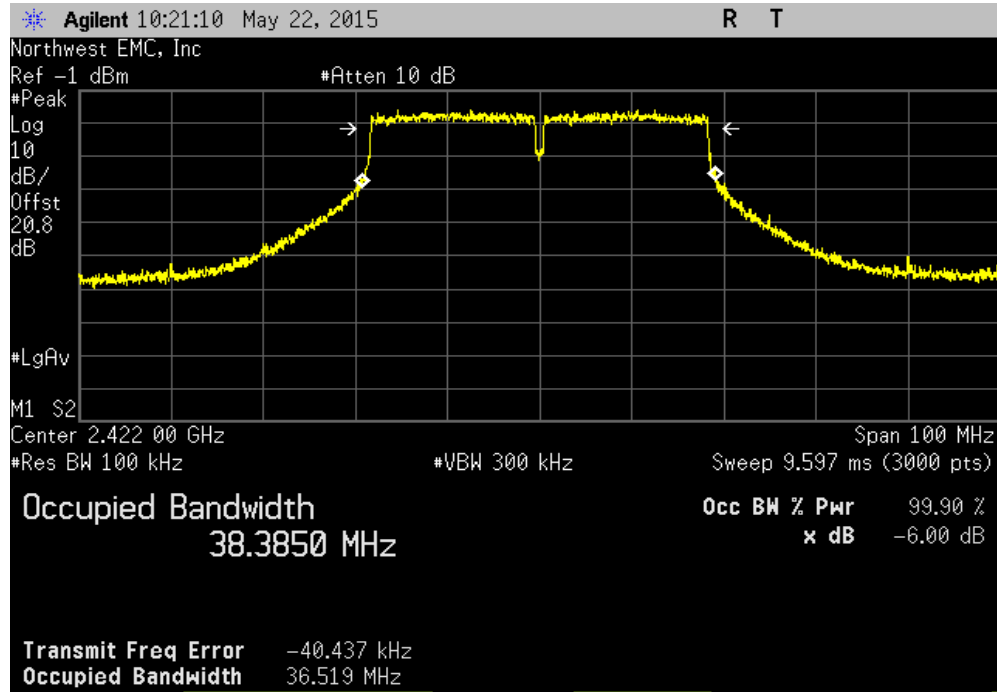


40 MHz, Chain B, 802.11(n) MCS7, High Channel 11, 2452 MHz						
				Value	Limit (>)	Result
				36.526 MHz	500 kHz	Pass

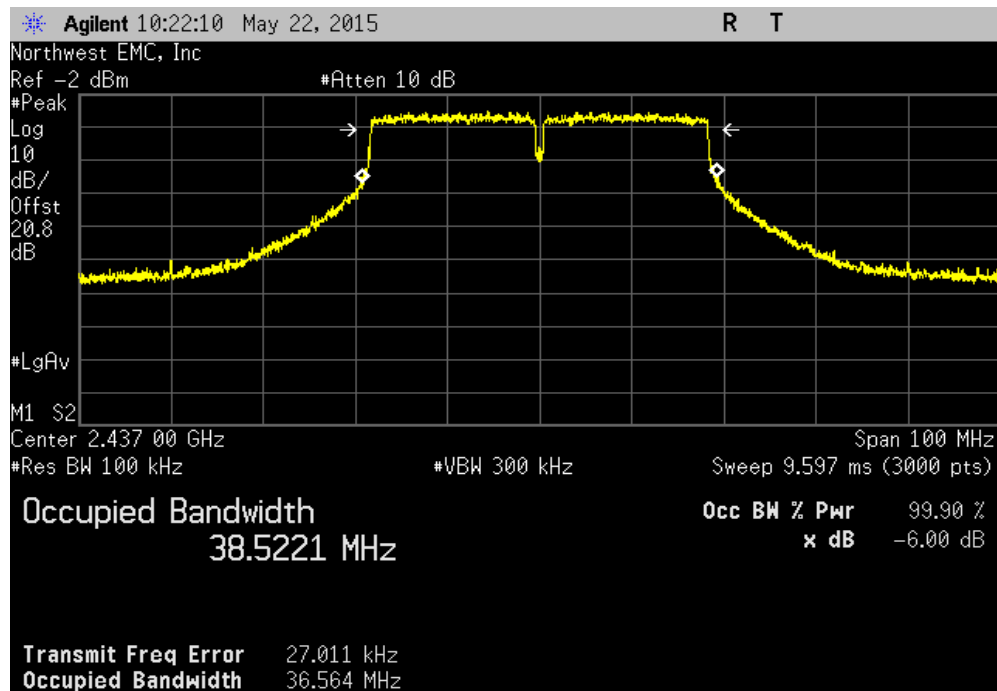


OCCUPIED BANDWIDTH

40 MHz, Chain A, 802.11(n) MCS0, Low Channel 1, 2422 MHz						
				Value	Limit (>)	Result
				36.519 MHz	500 kHz	Pass

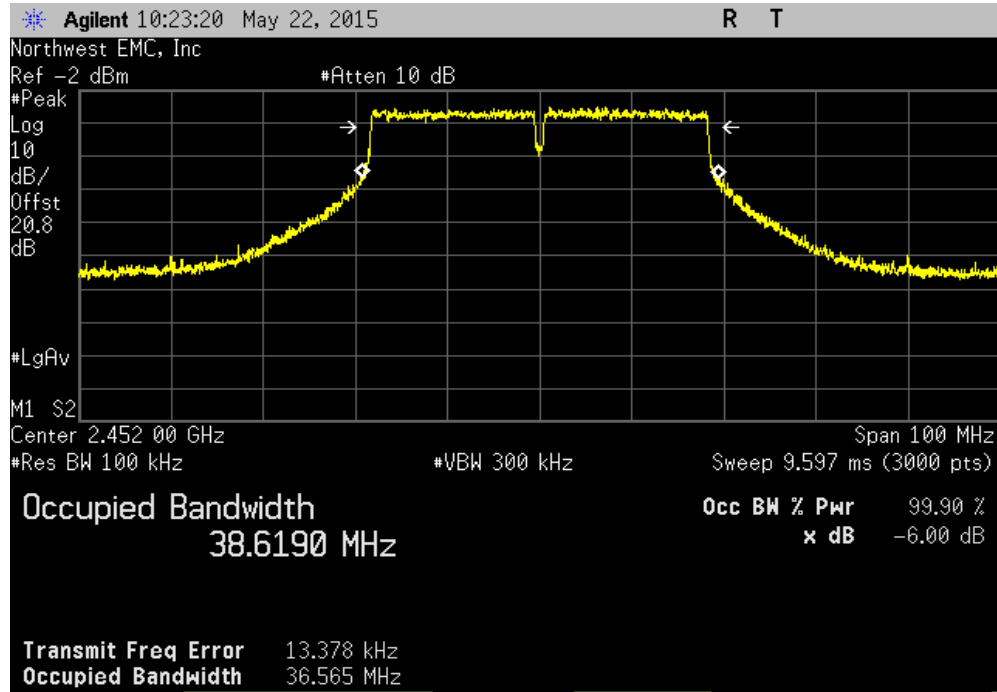


40 MHz, Chain A, 802.11(n) MCS0, Mid Channel 6, 2437 MHz						
				Value	Limit (>)	Result
				36.564 MHz	500 kHz	Pass

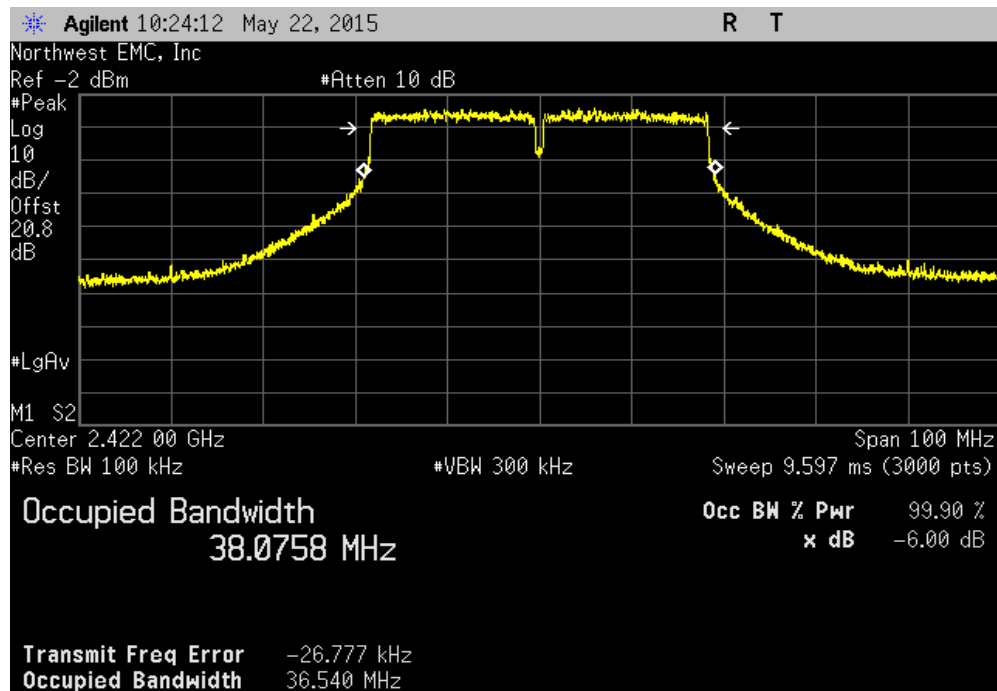


OCCUPIED BANDWIDTH

40 MHz, Chain A, 802.11(n) MCS0, High Channel 11, 2452 MHz						
				Value	Limit (>)	Result
				36.565 MHz	500 kHz	Pass

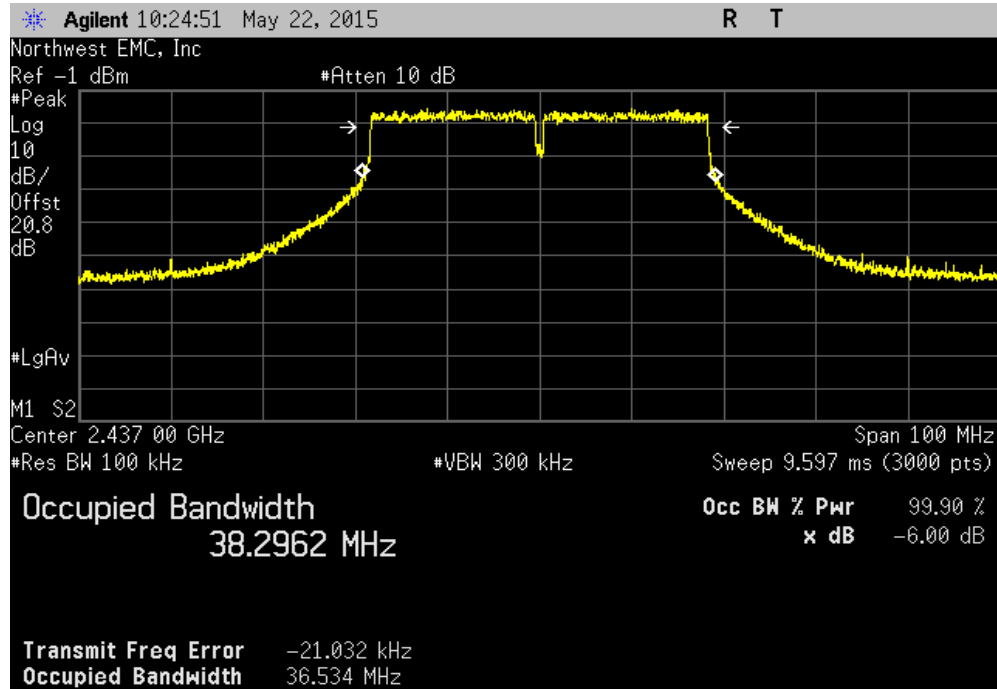


40 MHz, Chain A, 802.11(n) MCS7, Low Channel 1, 2422 MHz						
				Value	Limit (>)	Result
				36.54 MHz	500 kHz	Pass

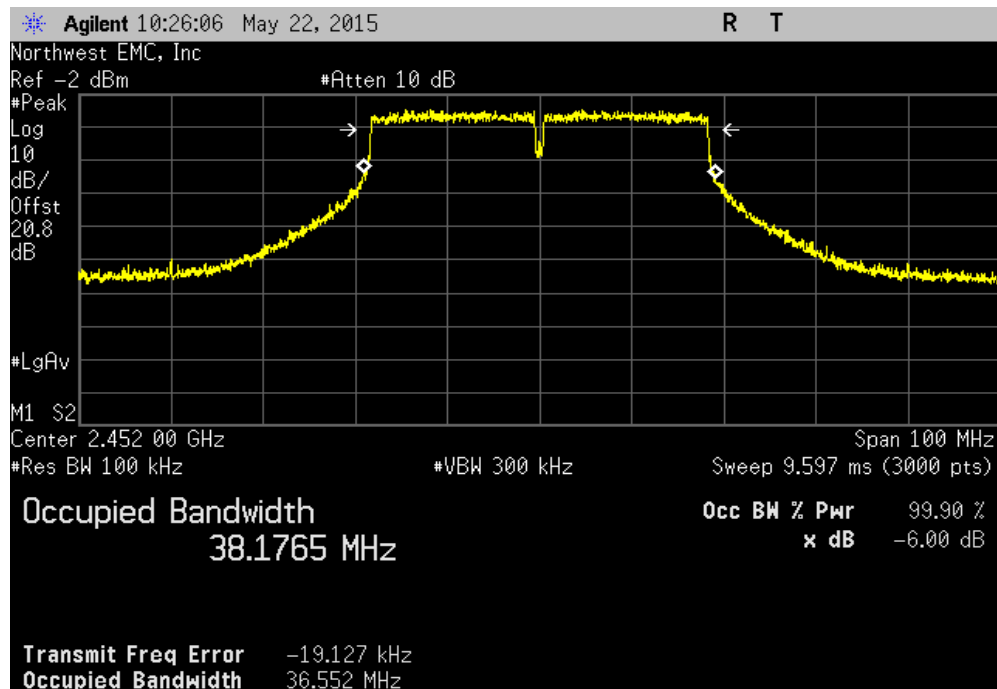


OCCUPIED BANDWIDTH

40 MHz, Chain A, 802.11(n) MCS7, Mid Channel 6, 2437 MHz						
				Value	Limit (>)	Result
				36.534 MHz	500 kHz	Pass



40 MHz, Chain A, 802.11(n) MCS7, High Channel 11, 2452 MHz						
				Value	Limit (>)	Result
				36.552 MHz	500 kHz	Pass



OUTPUT POWER

Testing was performed using the mode(s) of operation and configuration(s) noted within the report. The individuals and/or the organization requesting the test provided the modes, configurations and settings used to complete the evaluation. The actual test parameters are specified in the test data, this includes items such as investigated frequency range (scanned) and test levels. The testing methods and performance specifications, as well as the test site used for the evaluation are indicated in the test data.

TEST EQUIPMENT

Description	Manufacturer	Model	ID	Last Cal.	Interval (mo)
Signal Generator, 40 GHz	Agilent	N5173B	TIW	7/15/2014	36
DC Block, 40 GHz	Fairview Microwave	SD3379	AMM	2/27/2015	12
Attenuator, 20dB, 40 GHz	Fairview Microwave	SA4018-20	TQY	2/27/2015	12
Spectrum Analyzer	Agilent	E4440A	AFD	7/14/2014	12

TEST DESCRIPTION

The transmit frequency was set to the required channels in each band. The transmit power was set to its default maximum. A direct connection was made between the RF output of the EUT and a spectrum analyzer. Attenuation and a DC block were used. The reference level offset on the spectrum analyzer was adjusted to compensate for cable loss and the external attenuation used between the RF output and the spectrum analyzer input.

The channel power integration method found in KDB 558074 DTS D01 Measurement Section 9.1.2 was used because the DTS Bandwidth of the radio was greater than the RBW on the analyzer.

OUTPUT POWER

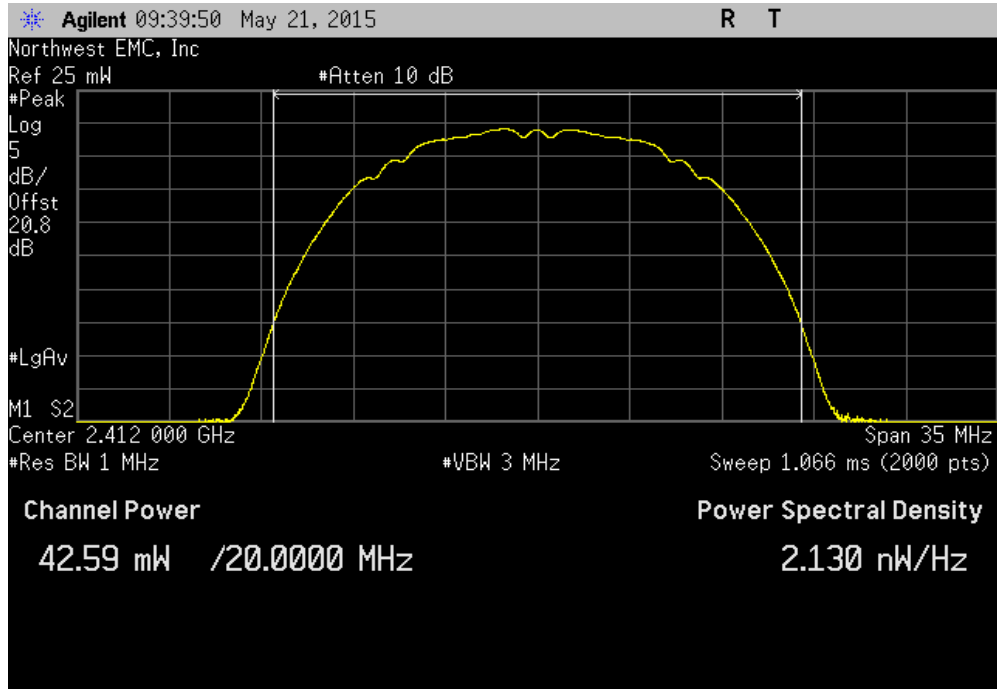


XMT 2015.01.14

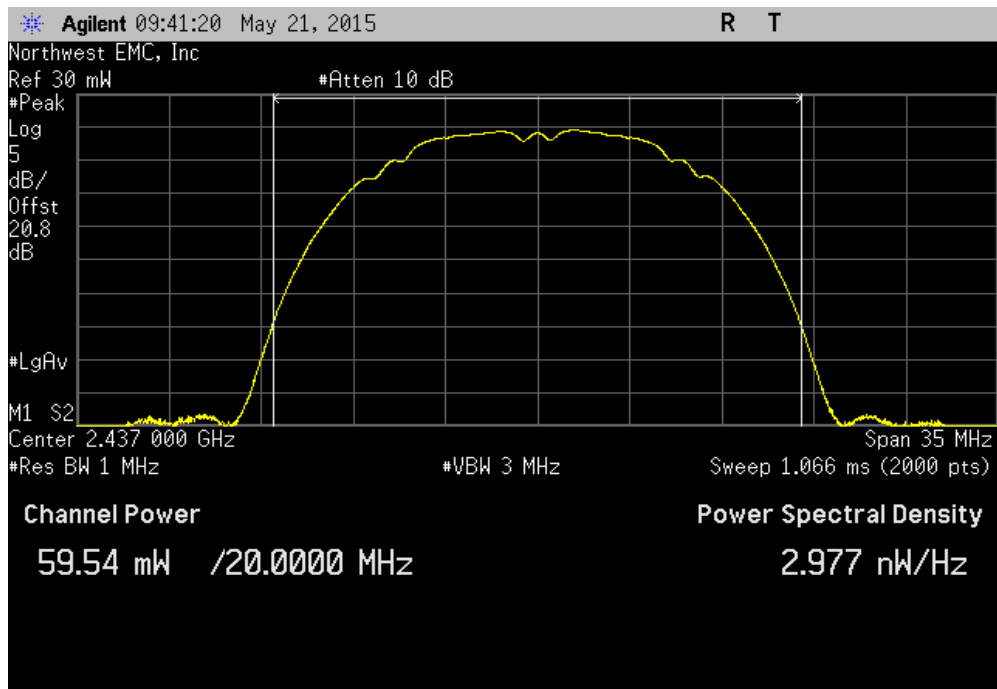
EUT: RLX2-IHNF		Work Order: PROS0222
Serial Number: 000D8DF095CF		Date: 05/21/15
Customer: ProSoft Technology, Inc.		Temperature: 25.0°C
Attendees: None		Humidity: 43%
Project: None		Barometric Pres.: 1023 mbar
Tested by: Jonathan Kiefer, Jeremiah Darden		Job Site: TX09
Power: 110VAC/60Hz		
TEST SPECIFICATIONS		
FCC 15.247:2015		Test Method
		ANSI C63.10:2009
COMMENTS		
Offset 20.8 dB (DC Block + 20dB Attenuator + Coax Cable) for 2.4 GHz		
DEVIATIONS FROM TEST STANDARD		
None		
Configuration #	1	Signature
		Value Limit (C) Result
20 MHz		
Chain A		
802.11(b) 1 Mbps		
Low Channel 1, 2412 MHz		42.594 mW 1 W Pass
Mid Channel 6, 2437 MHz		59.536 mW 1 W Pass
High Channel 11, 2462 MHz		49.331 mW 1 W Pass
802.11(b) 11 Mbps		
Low Channel 1, 2412 MHz		36.359 mW 1 W Pass
Mid Channel 6, 2437 MHz		49.515 mW 1 W Pass
High Channel 11, 2462 MHz		31.777 mW 1 W Pass
802.11(g) 6 Mbps		
Low Channel 1, 2412 MHz		37.748 mW 1 W Pass
Mid Channel 6, 2437 MHz		53.676 mW 1 W Pass
High Channel 11, 2462 MHz		46.508 mW 1 W Pass
802.11(g) 36 Mbps		
Low Channel 1, 2412 MHz		40.547 mW 1 W Pass
Mid Channel 6, 2437 MHz		48.388 mW 1 W Pass
High Channel 11, 2462 MHz		46.024 mW 1 W Pass
802.11(g) 54 Mbps		
Low Channel 1, 2412 MHz		18.367 mW 1 W Pass
Mid Channel 6, 2437 MHz		17.928 mW 1 W Pass
High Channel 11, 2462 MHz		21.416 mW 1 W Pass
802.11(n) MCS0		
Low Channel 1, 2412 MHz		14.376 mW 1 W Pass
Mid Channel 6, 2437 MHz		19.215 mW 1 W Pass
High Channel 11, 2462 MHz		21.889 mW 1 W Pass
802.11(n) MCS7		
Low Channel 1, 2412 MHz		19.291 mW 1 W Pass
Mid Channel 6, 2437 MHz		20.478 mW 1 W Pass
High Channel 11, 2462 MHz		21.591 mW 1 W Pass
Chain B		
802.11(b) 1 Mbps		
Low Channel 1, 2412 MHz		26.183 mW 1 W Pass
Mid Channel 6, 2437 MHz		37.176 mW 1 W Pass
High Channel 11, 2462 MHz		26.299 mW 1 W Pass
802.11(b) 11 Mbps		
Low Channel 1, 2412 MHz		31.243 mW 1 W Pass
Mid Channel 6, 2437 MHz		37.602 mW 1 W Pass
High Channel 11, 2462 MHz		26.893 mW 1 W Pass
802.11(g) 6 Mbps		
Low Channel 1, 2412 MHz		27.747 mW 1 W Pass
Mid Channel 6, 2437 MHz		39.379 mW 1 W Pass
High Channel 11, 2462 MHz		27.313 mW 1 W Pass
802.11(g) 36 Mbps		
Low Channel 1, 2412 MHz		35.735 mW 1 W Pass
Mid Channel 6, 2437 MHz		31.676 mW 1 W Pass
High Channel 11, 2462 MHz		29.49 mW 1 W Pass
802.11(g) 54 Mbps		
Low Channel 1, 2412 MHz		15.761 mW 1 W Pass
Mid Channel 6, 2437 MHz		13.49 mW 1 W Pass
High Channel 11, 2462 MHz		10.992 mW 1 W Pass
802.11(n) MCS0		
Low Channel 1, 2412 MHz		10.551 mW 1 W Pass
Mid Channel 6, 2437 MHz		14.596 mW 1 W Pass
High Channel 11, 2462 MHz		14.389 mW 1 W Pass
802.11(n) MCS7		
Low Channel 1, 2412 MHz		15.823 mW 1 W Pass
Mid Channel 6, 2437 MHz		13.346 mW 1 W Pass
High Channel 11, 2462 MHz		14.654 mW 1 W Pass
Chain C		
802.11(b) 1 Mbps		
Low Channel 1, 2412 MHz		33.884 mW 1 W Pass
Mid Channel 6, 2437 MHz		47.186 mW 1 W Pass
High Channel 11, 2462 MHz		25.418 mW 1 W Pass
802.11(b) 11 Mbps		
Low Channel 1, 2412 MHz		47.517 mW 1 W Pass
Mid Channel 6, 2437 MHz		47.761 mW 1 W Pass
High Channel 11, 2462 MHz		24.767 mW 1 W Pass
802.11(g) 6 Mbps		
Low Channel 1, 2412 MHz		48.2 mW 1 W Pass
Mid Channel 6, 2437 MHz		52.896 mW 1 W Pass
High Channel 11, 2462 MHz		25.997 mW 1 W Pass
802.11(g) 36 Mbps		
Low Channel 1, 2412 MHz		54.003 mW 1 W Pass
Mid Channel 6, 2437 MHz		44.456 mW 1 W Pass
High Channel 11, 2462 MHz		24.705 mW 1 W Pass
802.11(g) 54 Mbps		
Low Channel 1, 2412 MHz		26.34 mW 1 W Pass
Mid Channel 6, 2437 MHz		12.92 mW 1 W Pass
High Channel 11, 2462 MHz		8.223 mW 1 W Pass
802.11(n) MCS0		
Low Channel 1, 2412 MHz		18.271 mW 1 W Pass
Mid Channel 6, 2437 MHz		14.799 mW 1 W Pass
High Channel 11, 2462 MHz		17.217 mW 1 W Pass
802.11(n) MCS7		
Low Channel 1, 2412 MHz		18.955 mW 1 W Pass
Mid Channel 6, 2437 MHz		15.534 mW 1 W Pass
High Channel 11, 2462 MHz		12.046 mW 1 W Pass

OUTPUT POWER

20 MHz, Chain A, 802.11(b) 1 Mbps, Low Channel 1, 2412 MHz						
				Value	Limit (<)	Result
				42.594 mW	1 W	Pass

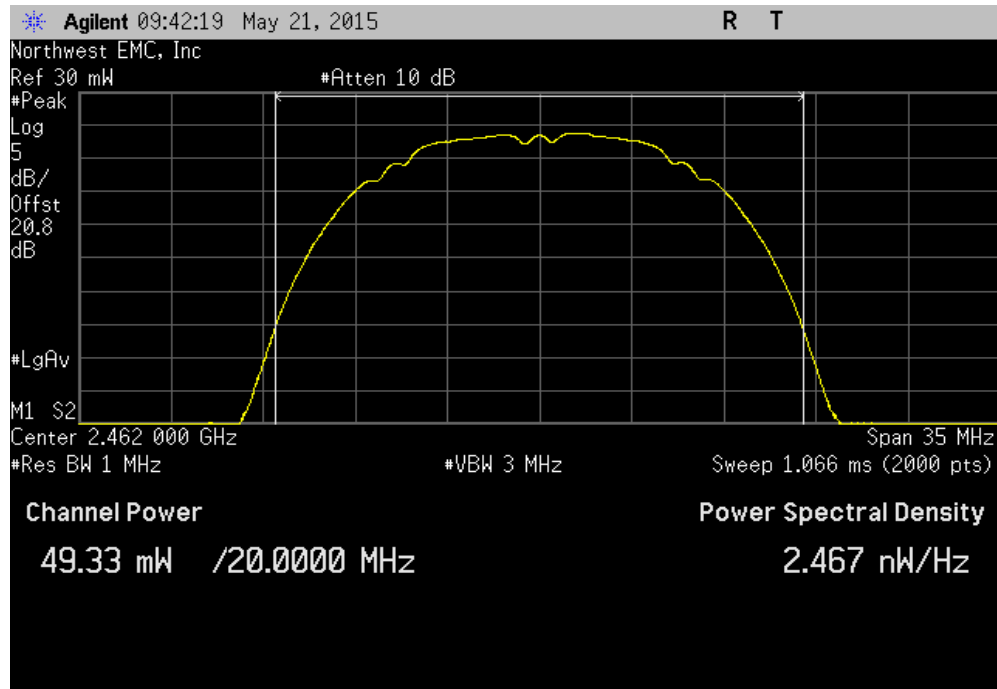


20 MHz, Chain A, 802.11(b) 1 Mbps, Mid Channel 6, 2437 MHz						
				Value	Limit (<)	Result
				59.536 mW	1 W	Pass

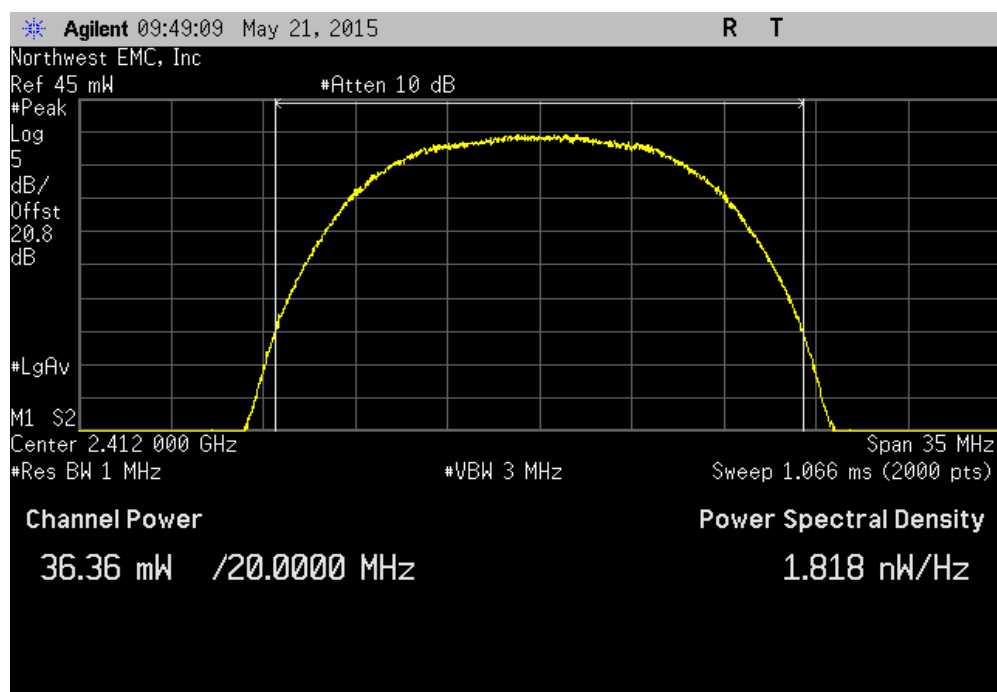


OUTPUT POWER

20 MHz, Chain A, 802.11(b) 1 Mbps, High Channel 11, 2462 MHz						
				Value	Limit (<)	Result
				49.331 mW	1 W	Pass

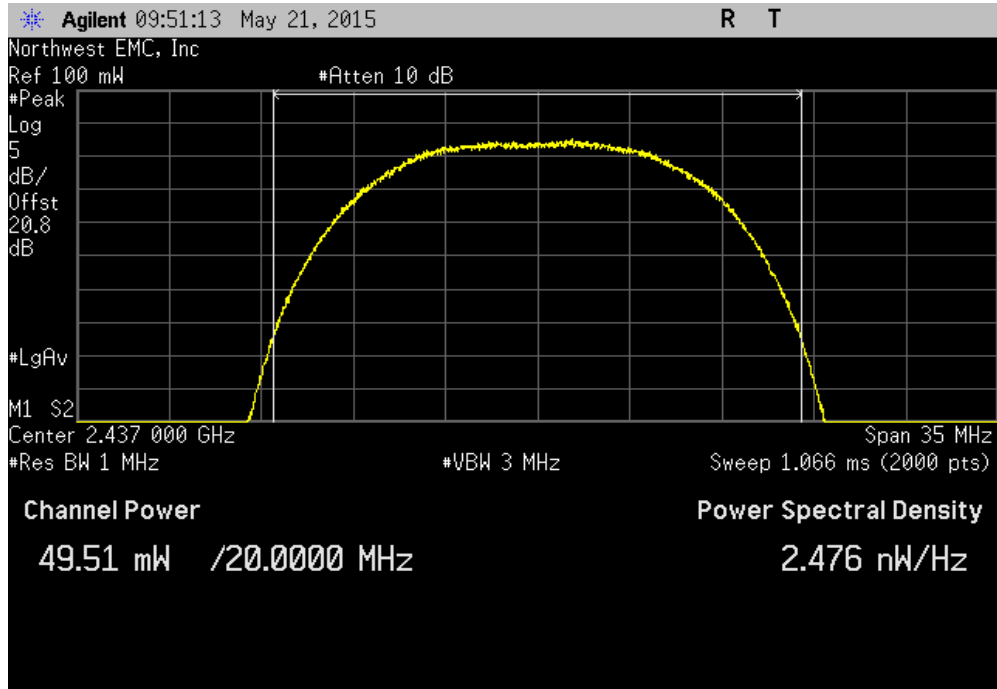


20 MHz, Chain A, 802.11(b) 11 Mbps, Low Channel 1, 2412 MHz						
				Value	Limit (<)	Result
				36.359 mW	1 W	Pass

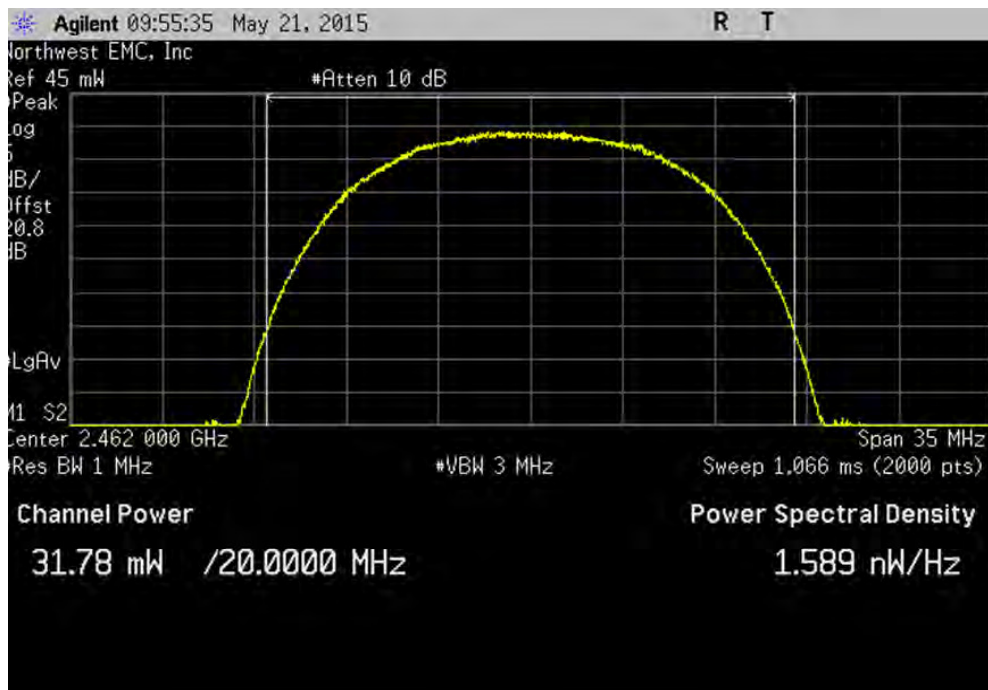


OUTPUT POWER

20 MHz, Chain A, 802.11(b) 11 Mbps, Mid Channel 6, 2437 MHz						
				Value	Limit (<)	Result
				49.515 mW	1 W	Pass

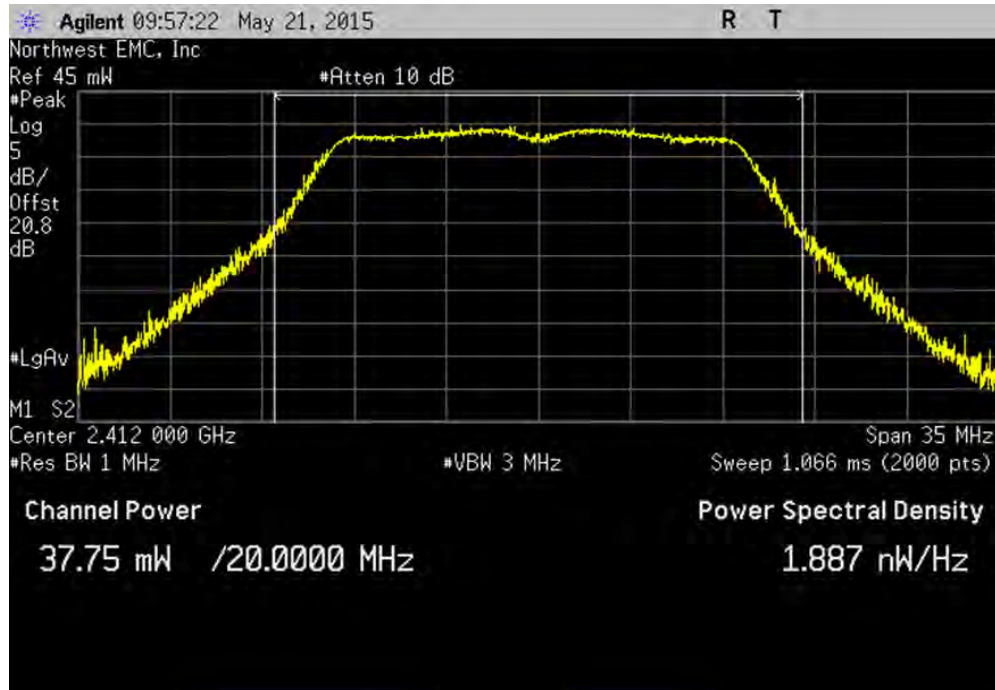


20 MHz, Chain A, 802.11(b) 11 Mbps, High Channel 11, 2462 MHz						
				Value	Limit (<)	Result
				31.777 mW	1 W	Pass

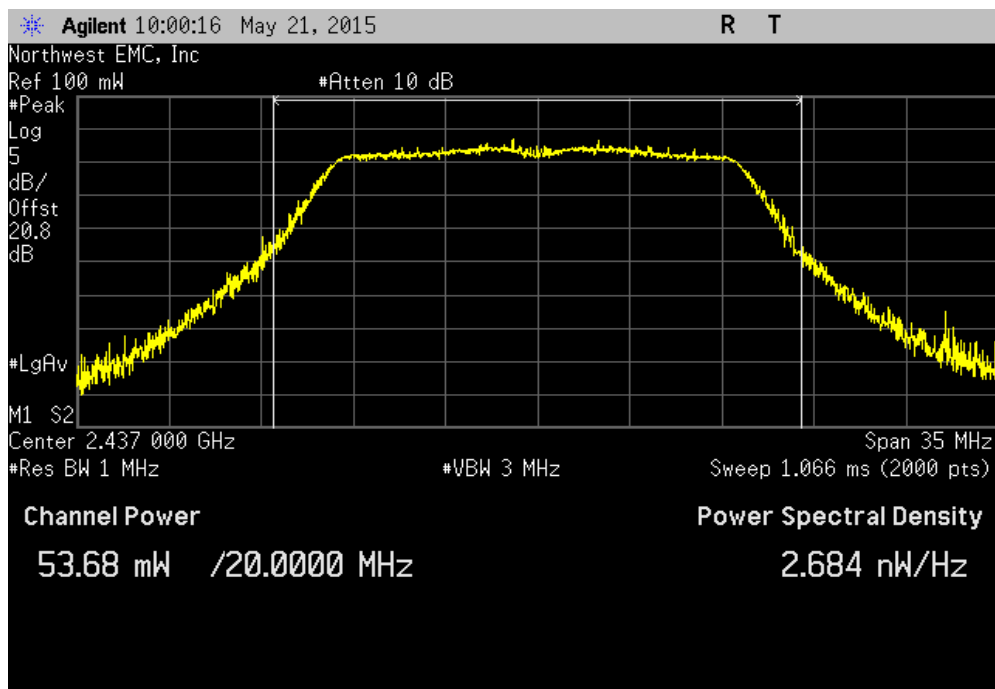


OUTPUT POWER

20 MHz, Chain A, 802.11(g) 6 Mbps, Low Channel 1, 2412 MHz						
				Value	Limit (<)	Result
				37.748 mW	1 W	Pass



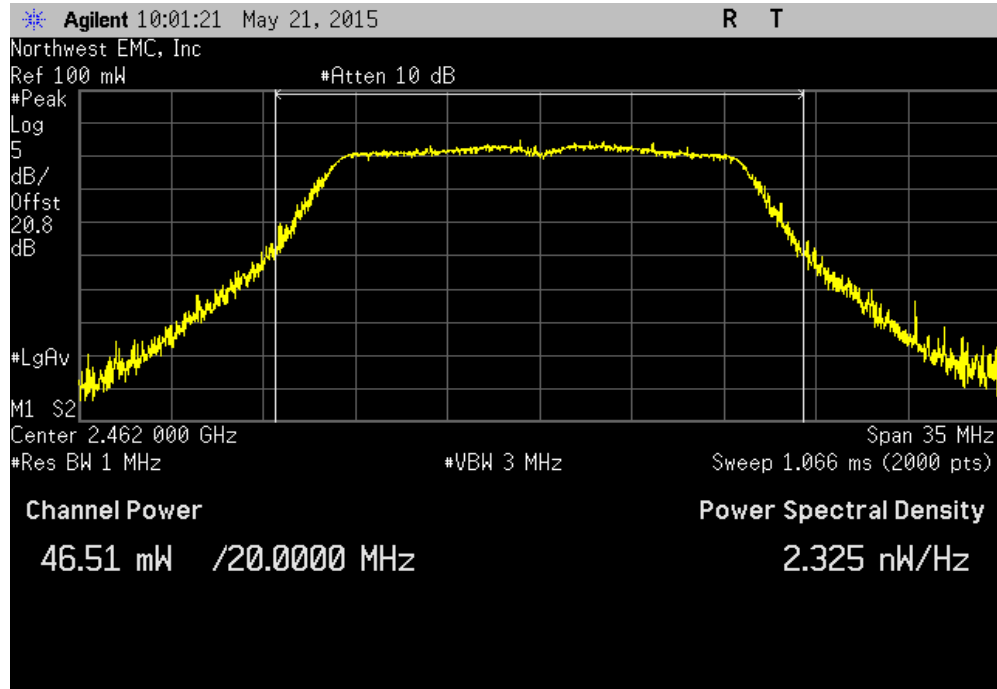
20 MHz, Chain A, 802.11(g) 6 Mbps, Mid Channel 6, 2437 MHz						
				Value	Limit (<)	Result
				53.676 mW	1 W	Pass



OUTPUT POWER

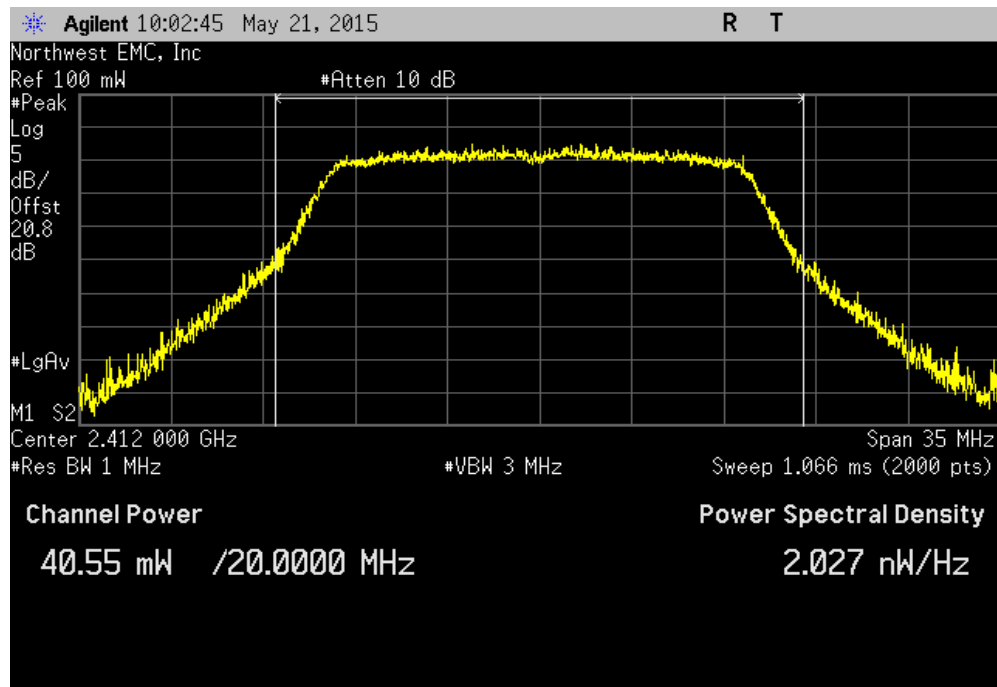
20 MHz, Chain A, 802.11(g) 6 Mbps, High Channel 11, 2462 MHz

	Value	Limit (<)	Result
	46.508 mW	1 W	Pass



20 MHz, Chain A, 802.11(g) 36 Mbps, Low Channel 1, 2412 MHz

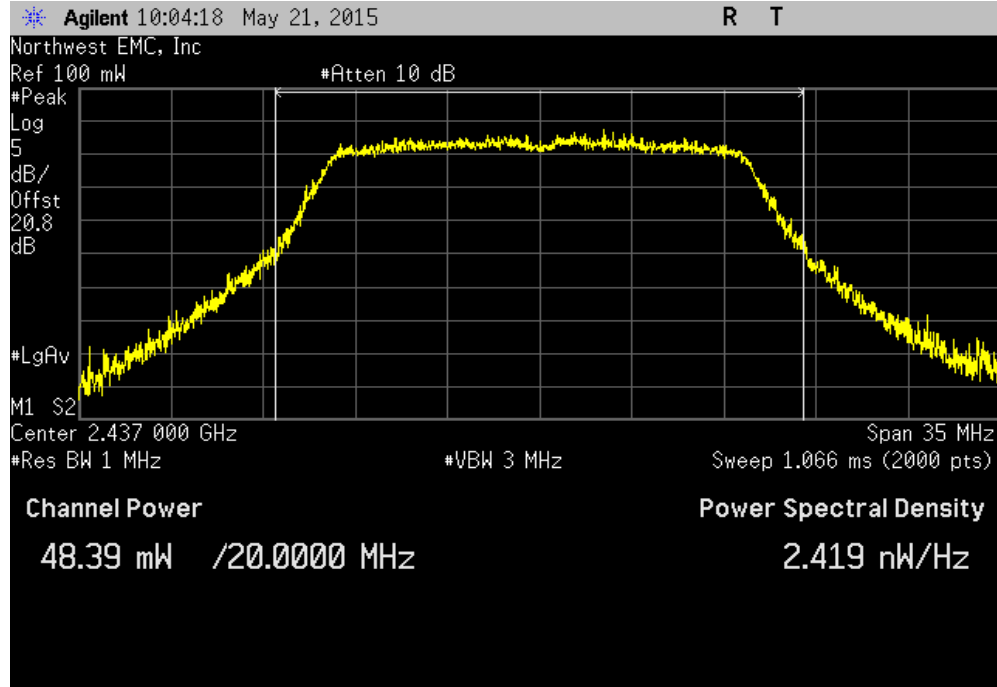
	Value	Limit (<)	Result
	40.547 mW	1 W	Pass



OUTPUT POWER

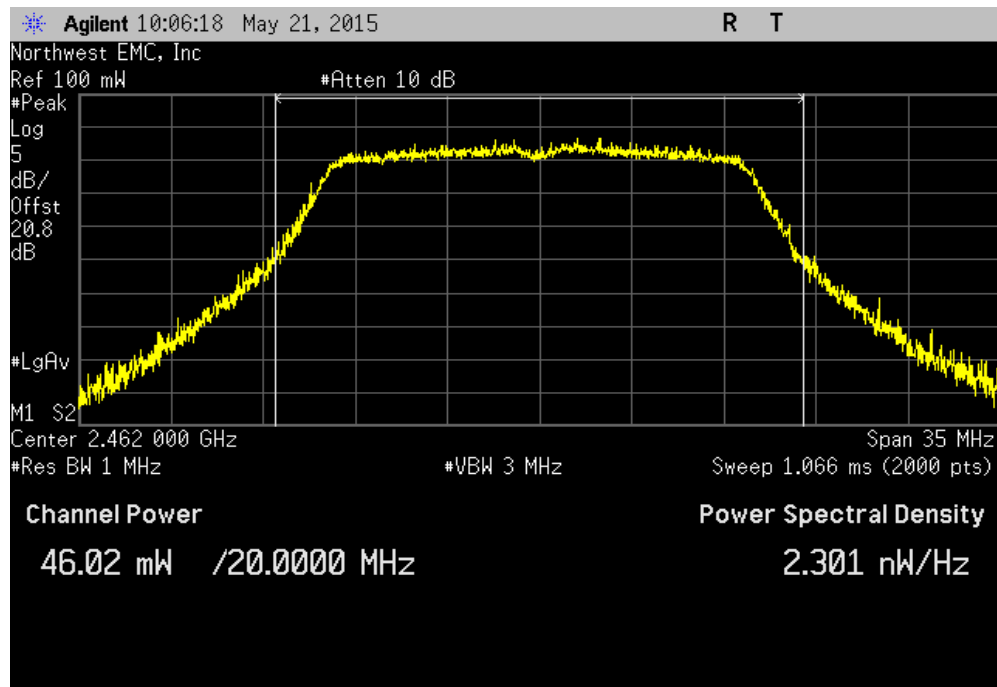
20 MHz, Chain A, 802.11(g) 36 Mbps, Mid Channel 6, 2437 MHz

	Value	Limit (<)	Result
	48.388 mW	1 W	Pass



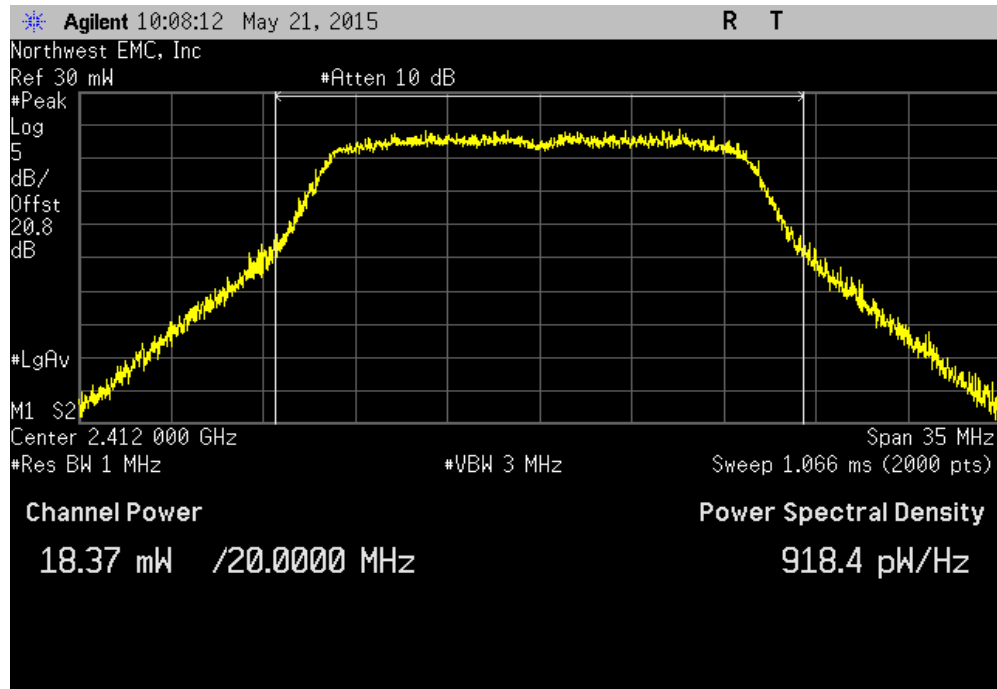
20 MHz, Chain A, 802.11(g) 36 Mbps, High Channel 11, 2462 MHz

	Value	Limit (<)	Result
	46.024 mW	1 W	Pass

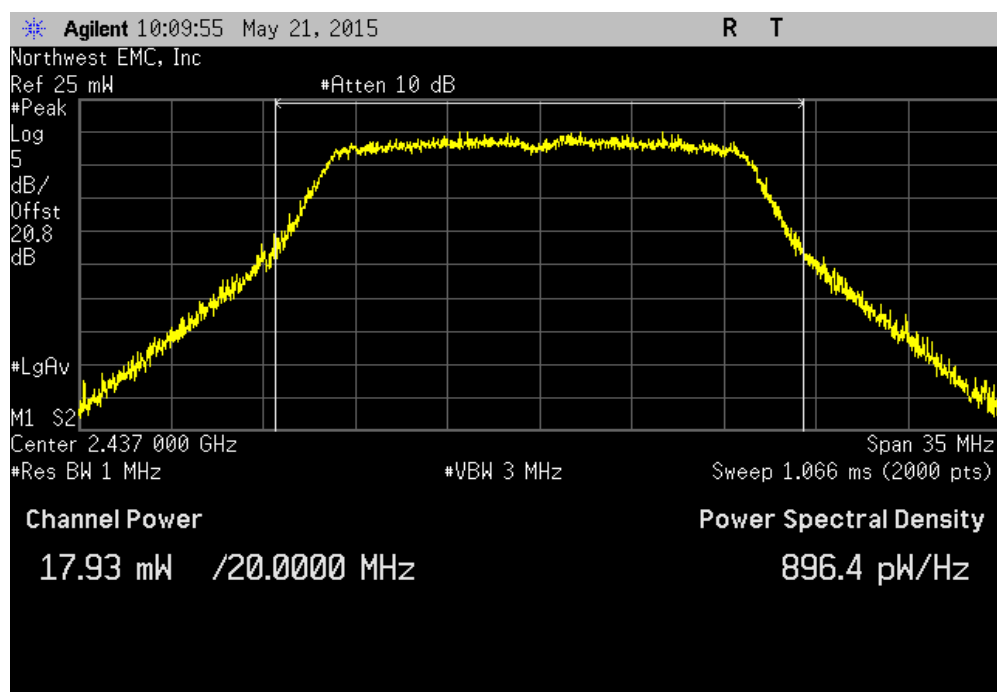


OUTPUT POWER

20 MHz, Chain A, 802.11(g) 54 Mbps, Low Channel 1, 2412 MHz						
Value				Limit	Result	
				(<)		
18.367 mW				1 W	Pass	

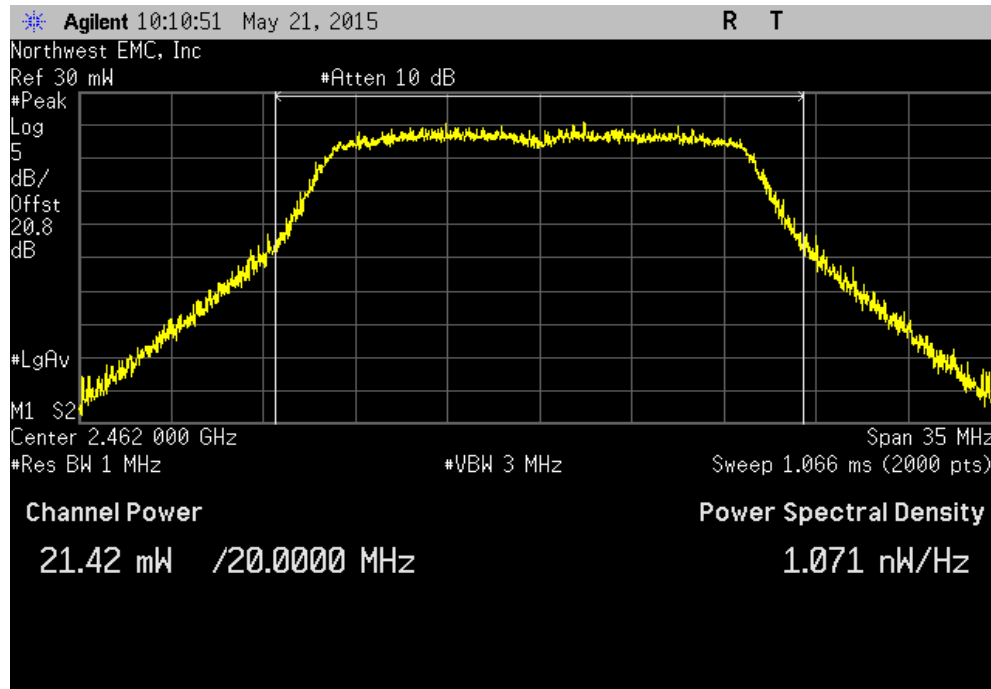


20 MHz, Chain A, 802.11(g) 54 Mbps, Mid Channel 6, 2437 MHz						
Value				Limit	Result	
				(<)		
17.928 mW				1 W	Pass	

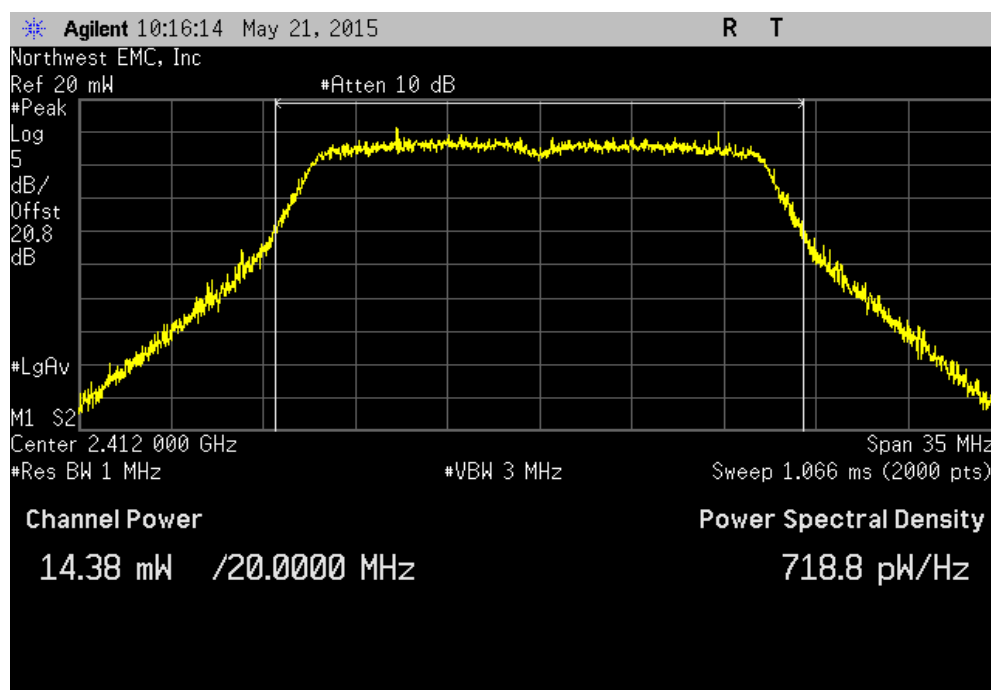


OUTPUT POWER

20 MHz, Chain A, 802.11(g) 54 Mbps, High Channel 11, 2462 MHz						
				Value	Limit (<)	Result
				21.418 mW	1 W	Pass

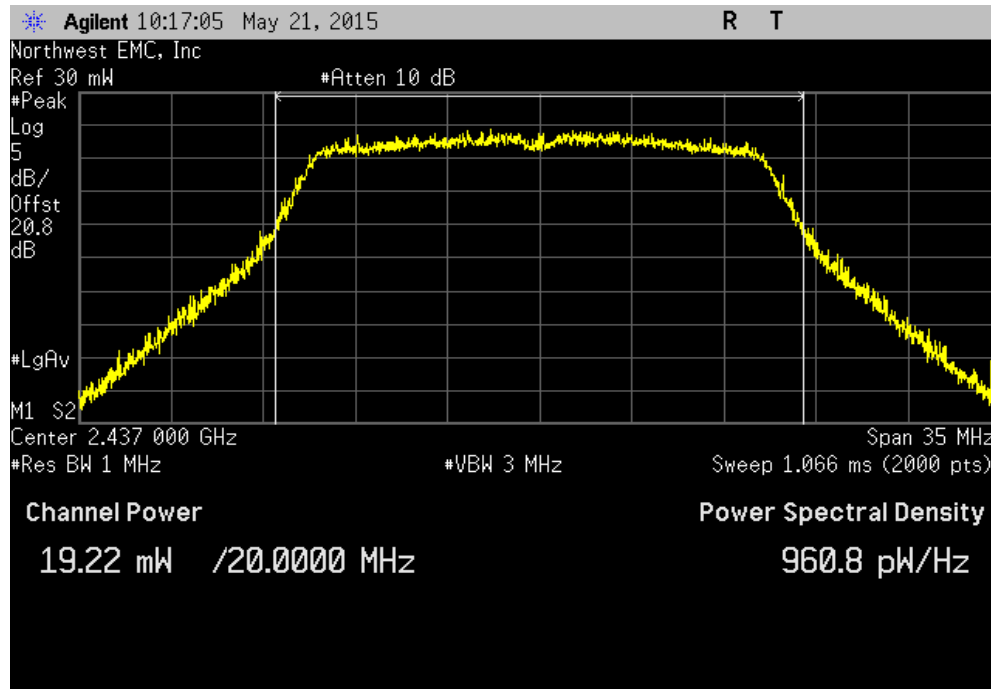


20 MHz, Chain A, 802.11(n) MCS0, Low Channel 1, 2412 MHz						
				Value	Limit (<)	Result
				14.376 mW	1 W	Pass

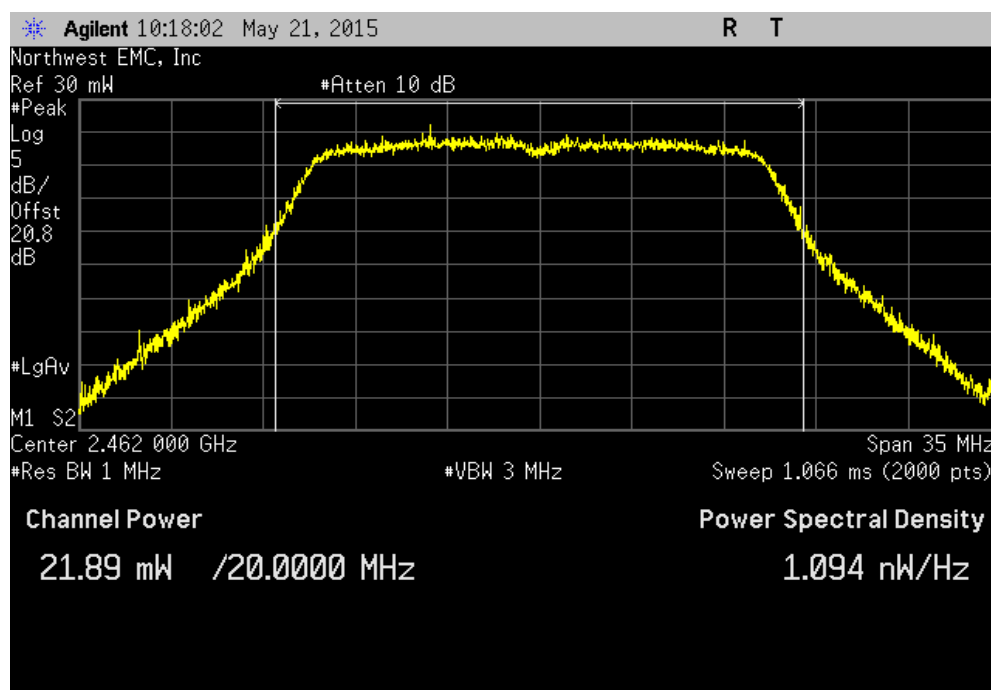


OUTPUT POWER

20 MHz, Chain A, 802.11(n) MCS0, Mid Channel 6, 2437 MHz						
				Value	Limit (<)	Result
				19.215 mW	1 W	Pass

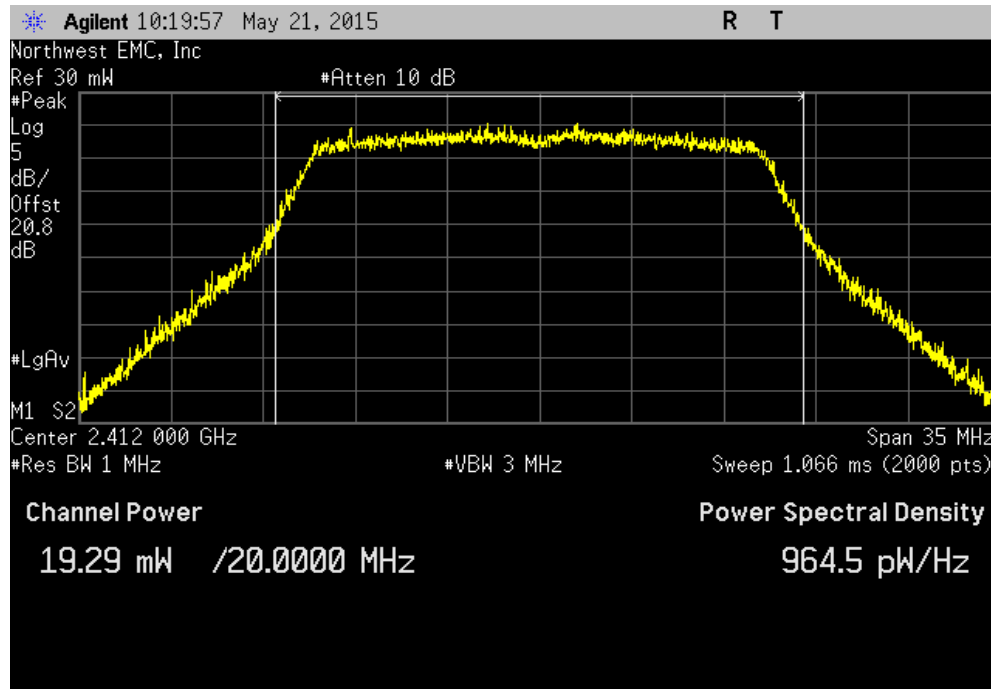


20 MHz, Chain A, 802.11(n) MCS0, High Channel 11, 2462 MHz						
				Value	Limit (<)	Result
				21.889 mW	1 W	Pass

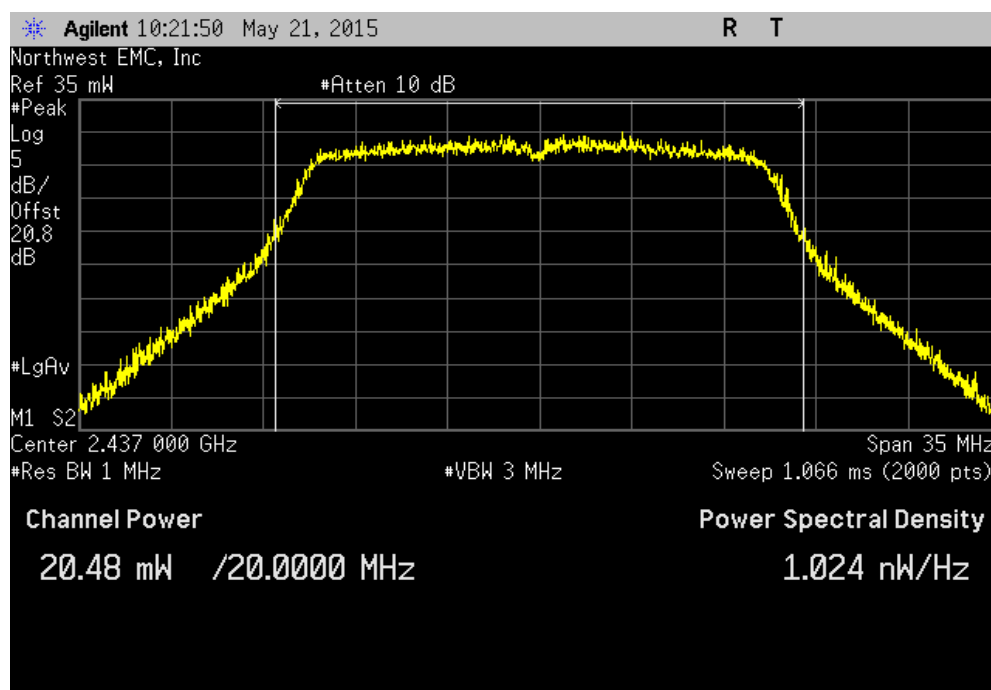


OUTPUT POWER

20 MHz, Chain A, 802.11(n) MCS7, Low Channel 1, 2412 MHz						
				Value	Limit (<)	Result
				19.291 mW	1 W	Pass

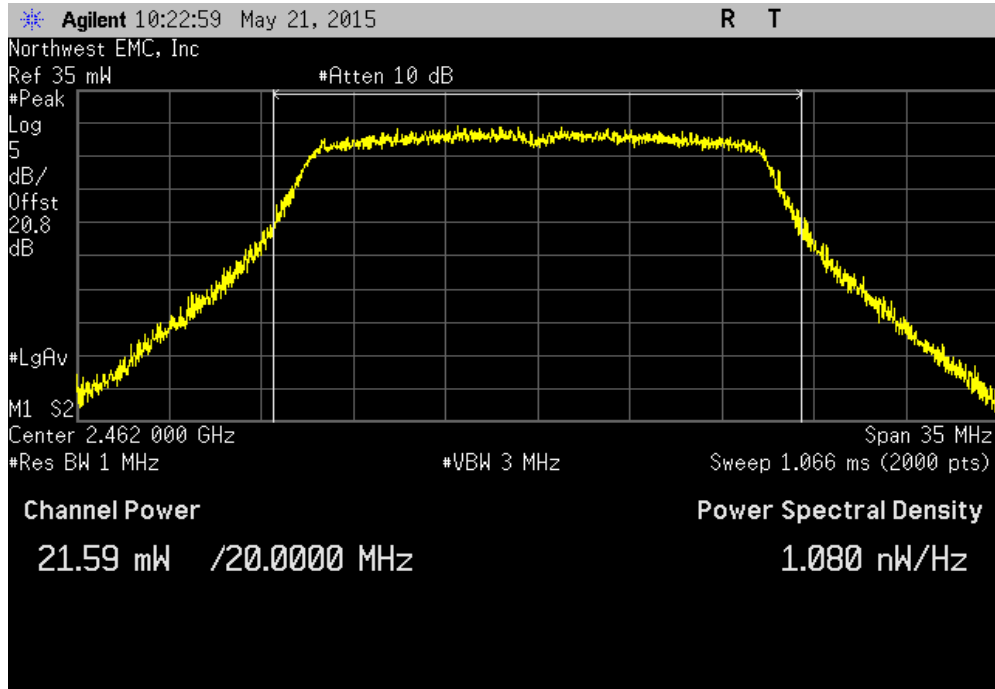


20 MHz, Chain A, 802.11(n) MCS7, Mid Channel 6, 2437 MHz						
				Value	Limit (<)	Result
				20.478 mW	1 W	Pass

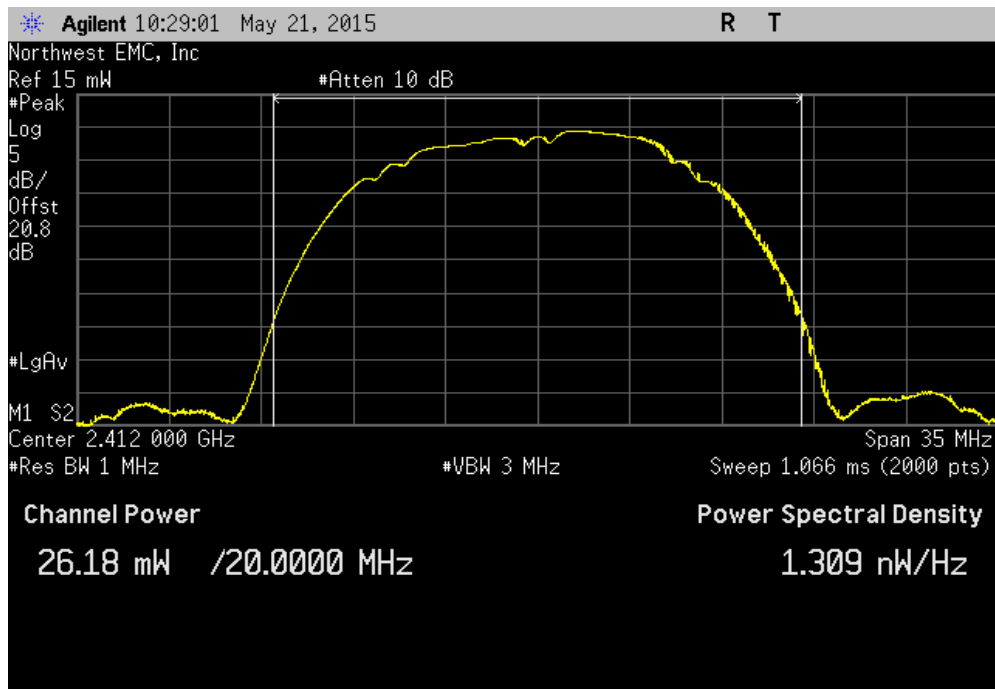


OUTPUT POWER

20 MHz, Chain A, 802.11(n) MCS7, High Channel 11, 2462 MHz						
				Value	Limit (<)	Result
				21.591 mW	1 W	Pass

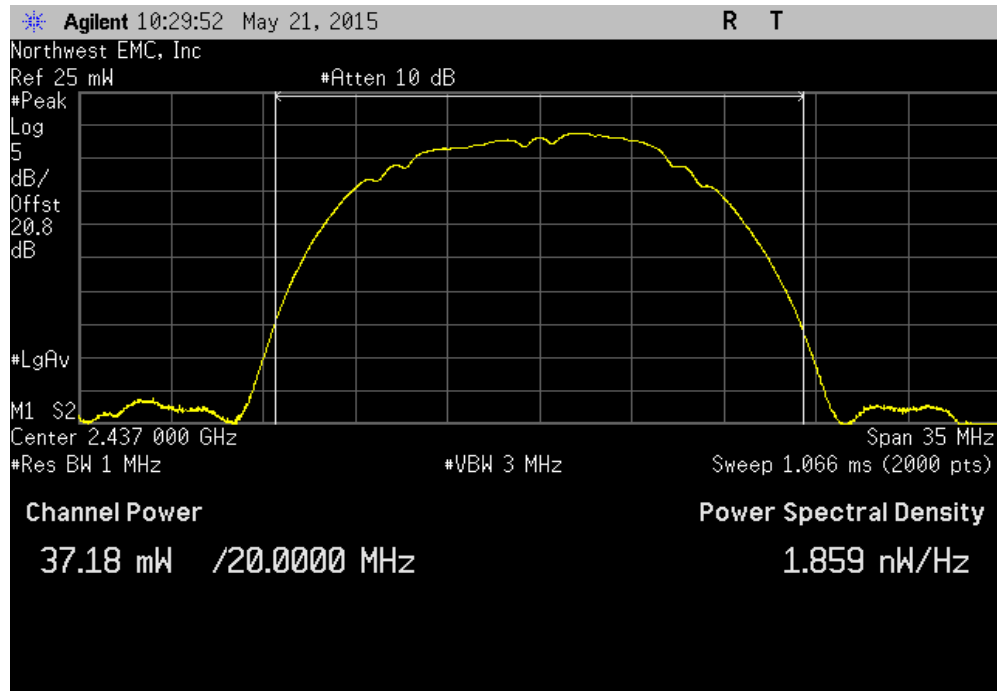


20 MHz, Chain B, 802.11(b) 1 Mbps, Low Channel 1, 2412 MHz						
				Value	Limit (<)	Result
				26.183 mW	1 W	Pass

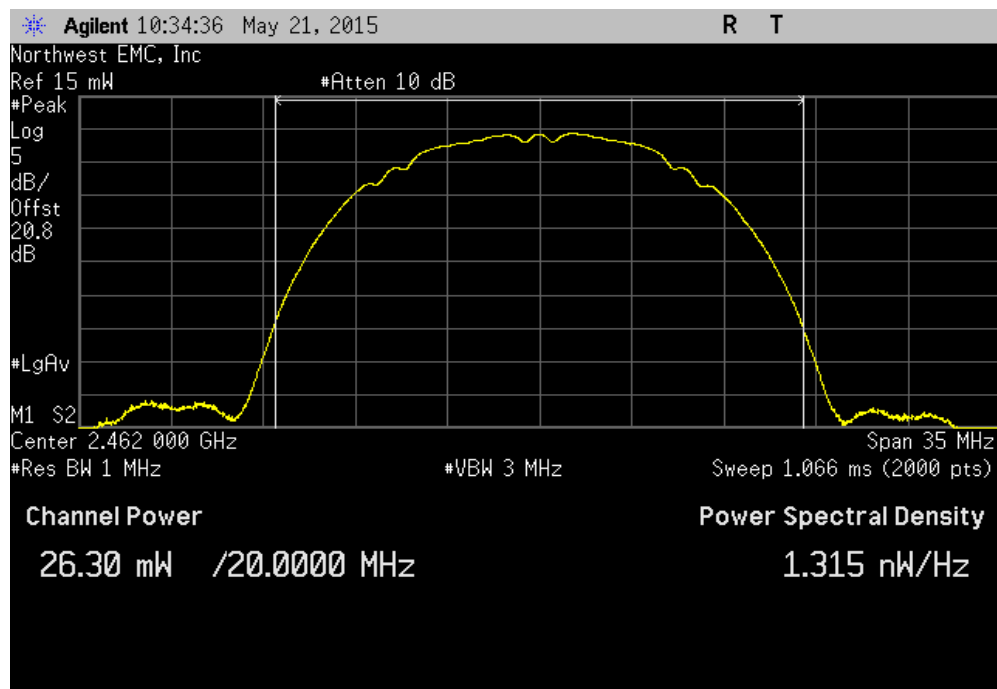


OUTPUT POWER

20 MHz, Chain B, 802.11(b) 1 Mbps, Mid Channel 6, 2437 MHz						
				Value	Limit (<)	Result
				37.176 mW	1 W	Pass

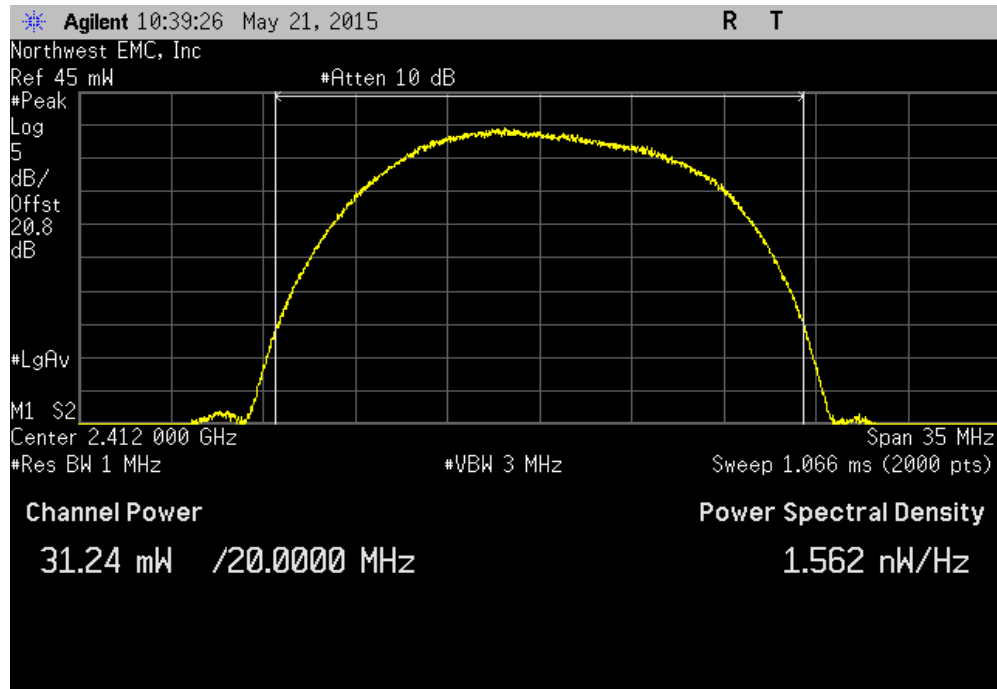


20 MHz, Chain B, 802.11(b) 1 Mbps, High Channel 11, 2462 MHz						
				Value	Limit (<)	Result
				26.299 mW	1 W	Pass

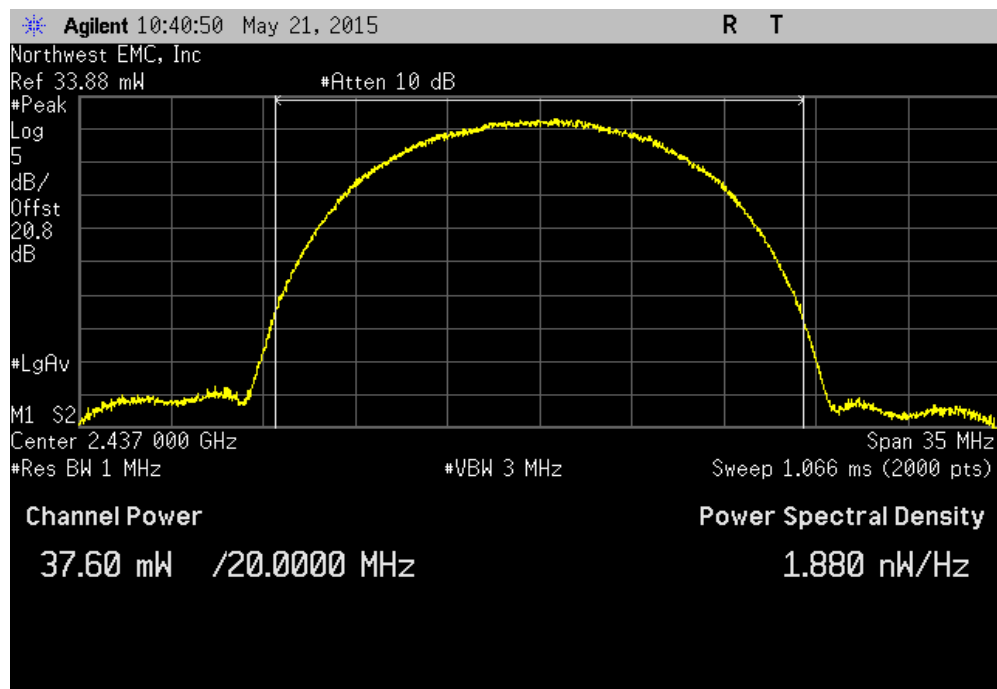


OUTPUT POWER

20 MHz, Chain B, 802.11(b) 11 Mbps, Low Channel 1, 2412 MHz						
				Value	Limit (<)	Result
				31.243 mW	1 W	Pass

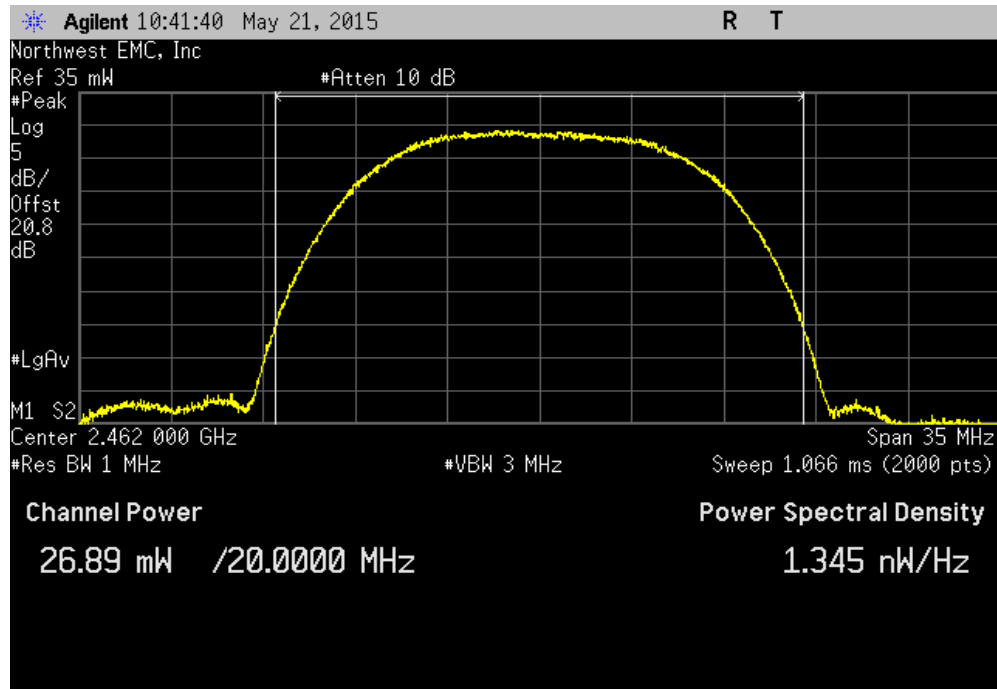


20 MHz, Chain B, 802.11(b) 11 Mbps, Mid Channel 6, 2437 MHz						
				Value	Limit (<)	Result
				37.602 mW	1 W	Pass

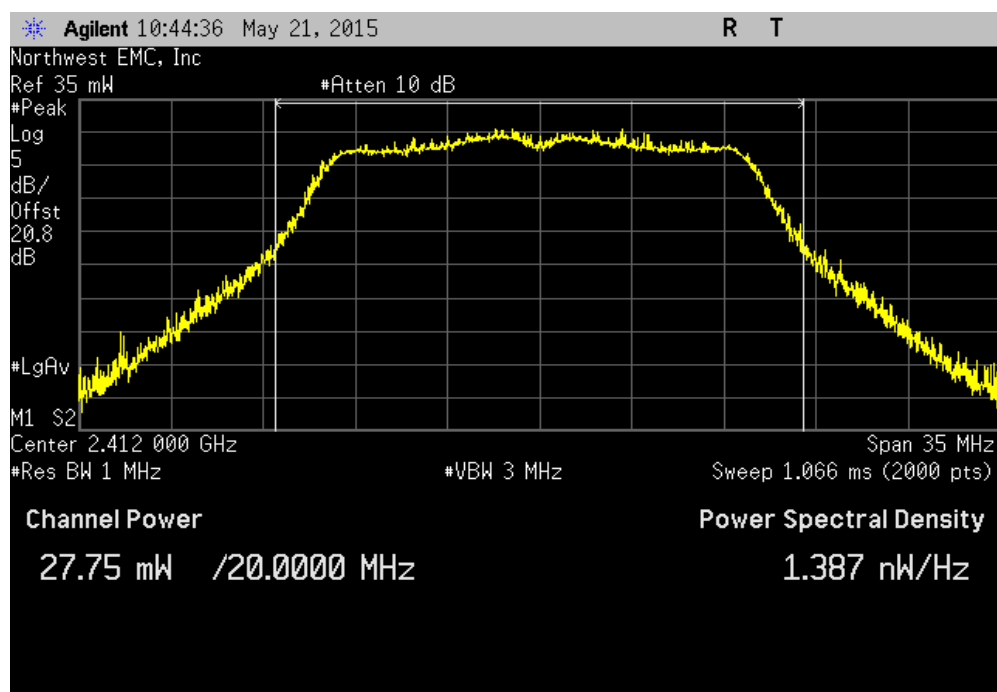


OUTPUT POWER

20 MHz, Chain B, 802.11(b) 11 Mbps, High Channel 11, 2462 MHz						
				Value	Limit (<)	Result
				26.893 mW	1 W	Pass

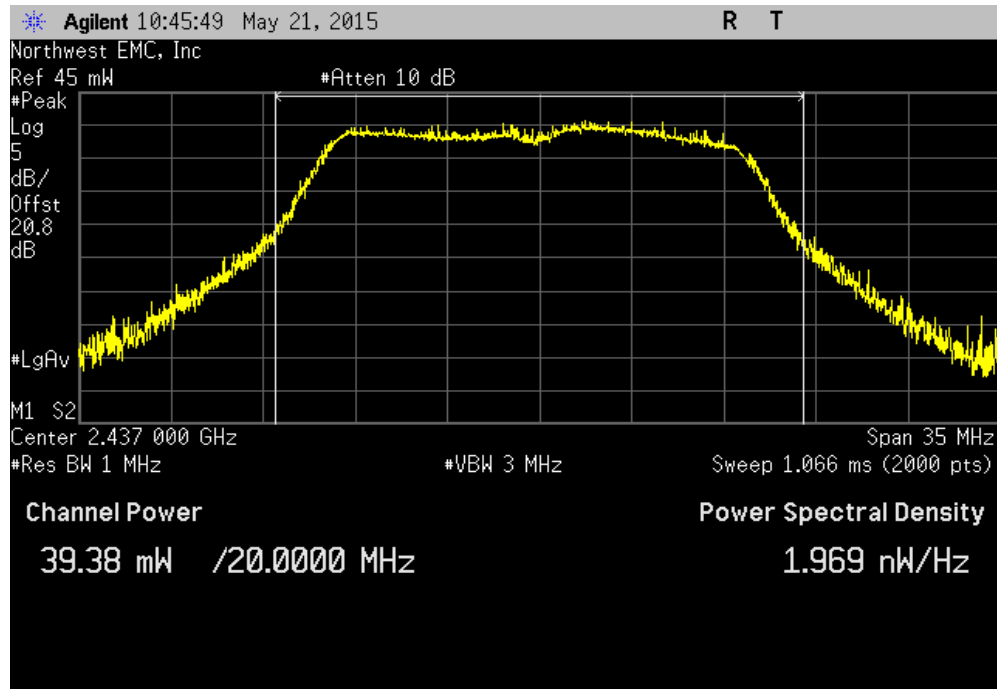


20 MHz, Chain B, 802.11(g) 6 Mbps, Low Channel 1, 2412 MHz						
				Value	Limit (<)	Result
				27.747 mW	1 W	Pass

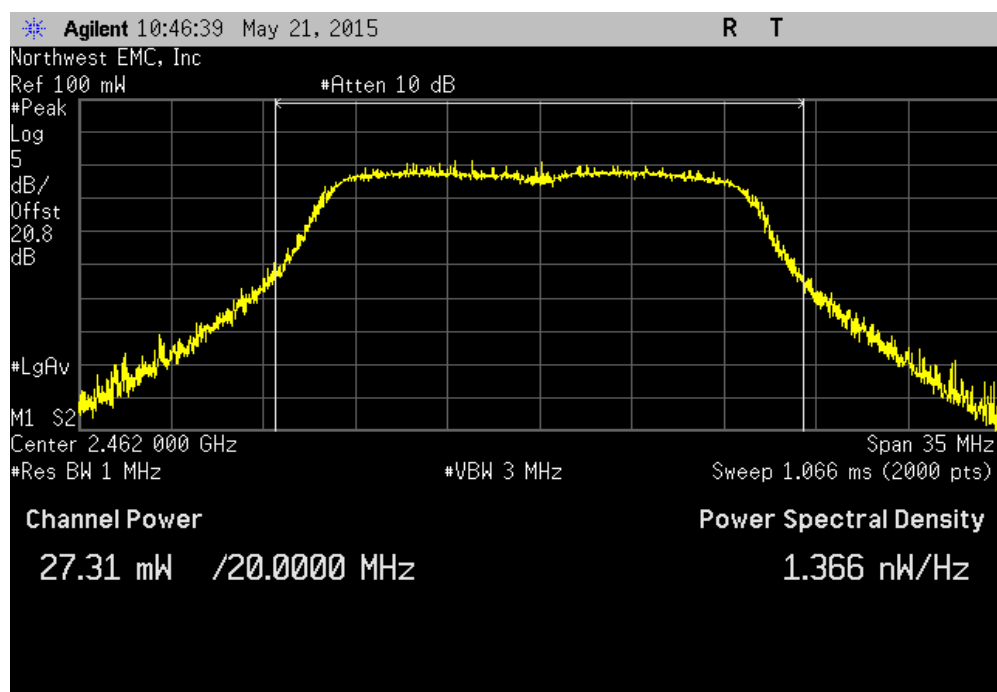


OUTPUT POWER

20 MHz, Chain B, 802.11(g) 6 Mbps, Mid Channel 6, 2437 MHz						
				Value	Limit (<)	Result
				39.379 mW	1 W	Pass



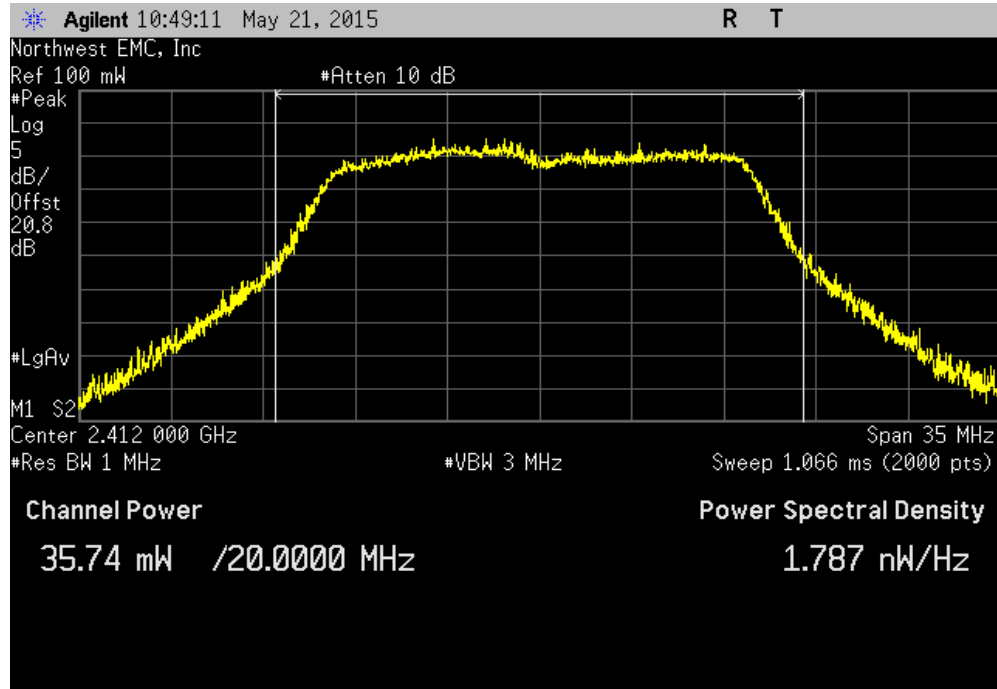
20 MHz, Chain B, 802.11(g) 6 Mbps, High Channel 11, 2462 MHz						
				Value	Limit (<)	Result
				27.313 mW	1 W	Pass



OUTPUT POWER

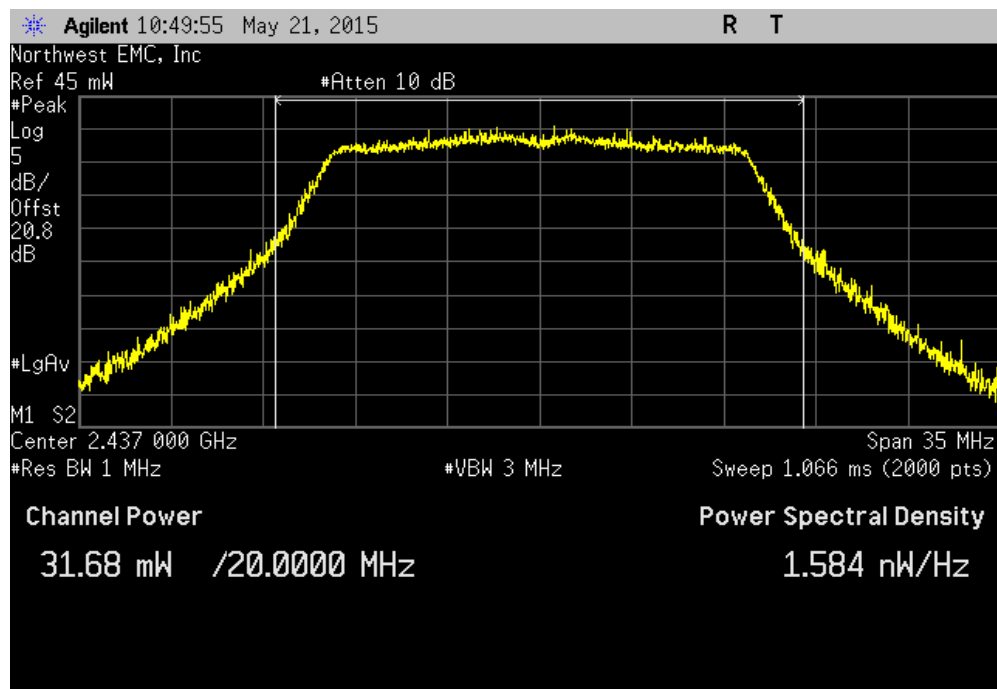
20 MHz, Chain B, 802.11(g) 36 Mbps, Low Channel 1, 2412 MHz

	Value	Limit (<)	Result
	35.735 mW	1 W	Pass



20 MHz, Chain B, 802.11(g) 36 Mbps, Mid Channel 6, 2437 MHz

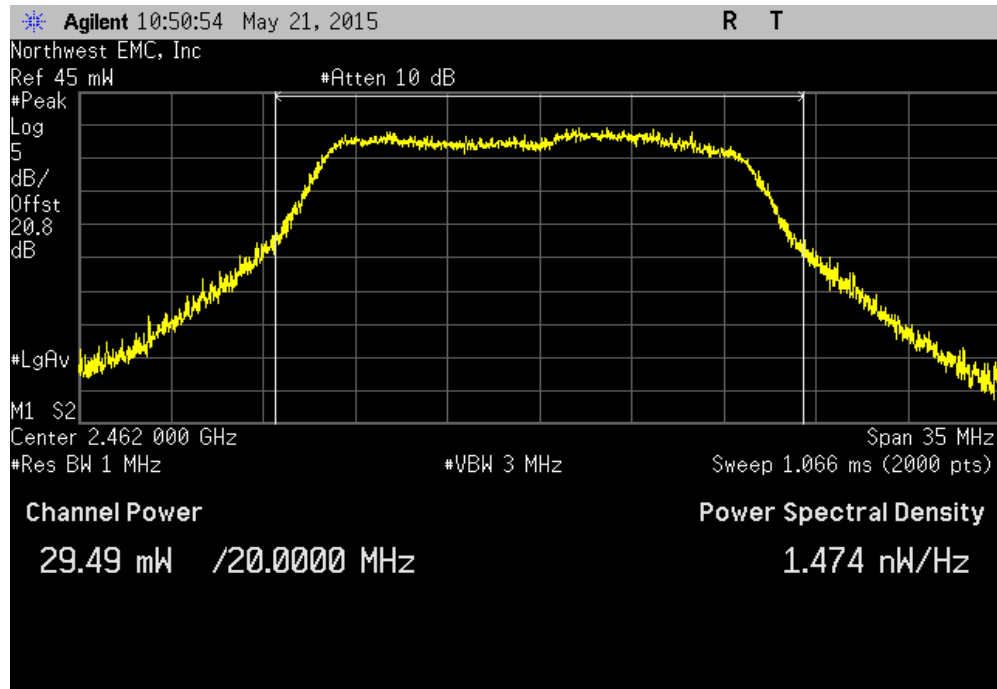
	Value	Limit (<)	Result
	31.676 mW	1 W	Pass



OUTPUT POWER

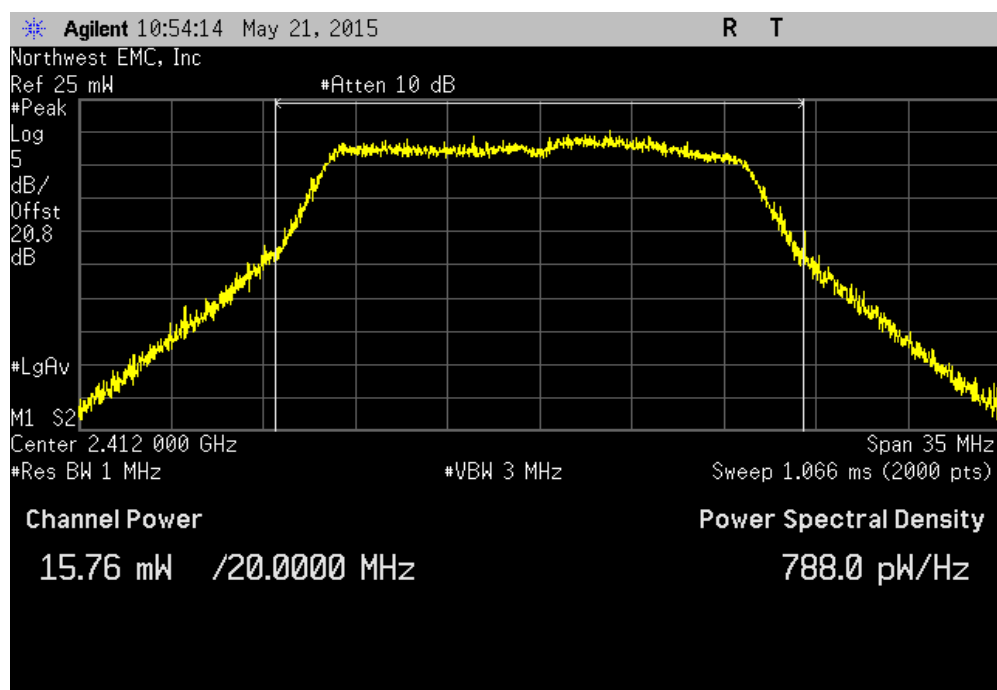
20 MHz, Chain B, 802.11(g) 36 Mbps, High Channel 11, 2462 MHz

	Value	Limit (<)	Result
	29.49 mW	1 W	Pass



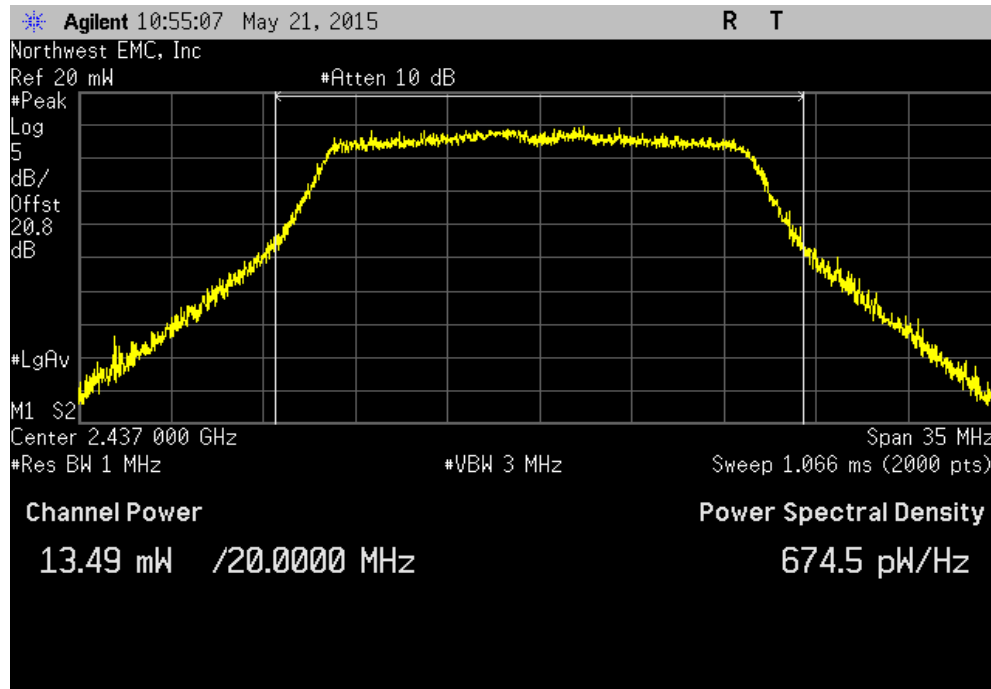
20 MHz, Chain B, 802.11(g) 54 Mbps, Low Channel 1, 2412 MHz

	Value	Limit (<)	Result
	15.761 mW	1 W	Pass

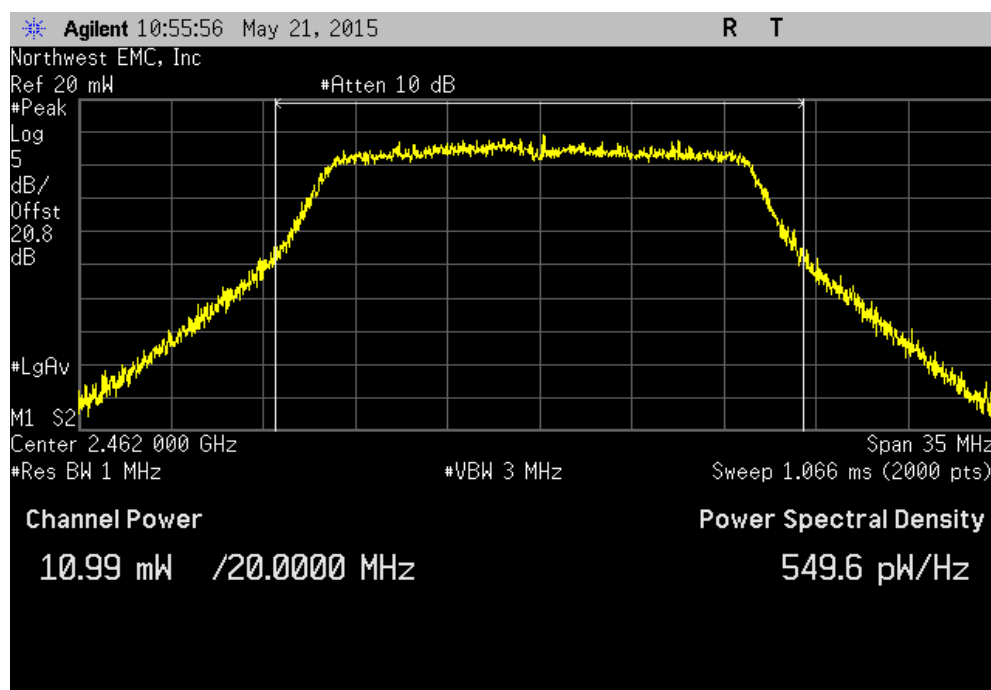


OUTPUT POWER

20 MHz, Chain B, 802.11(g) 54 Mbps, Mid Channel 6, 2437 MHz						
				Value	Limit (<)	Result
				13.49 mW	1 W	Pass

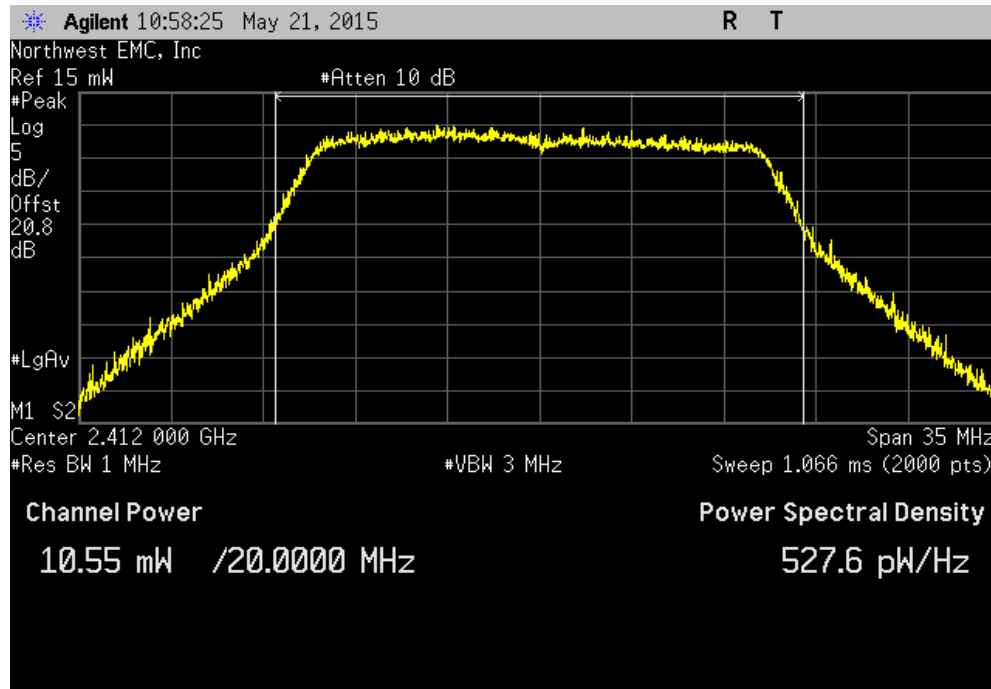


20 MHz, Chain B, 802.11(g) 54 Mbps, High Channel 11, 2462 MHz						
				Value	Limit (<)	Result
				10.992 mW	1 W	Pass

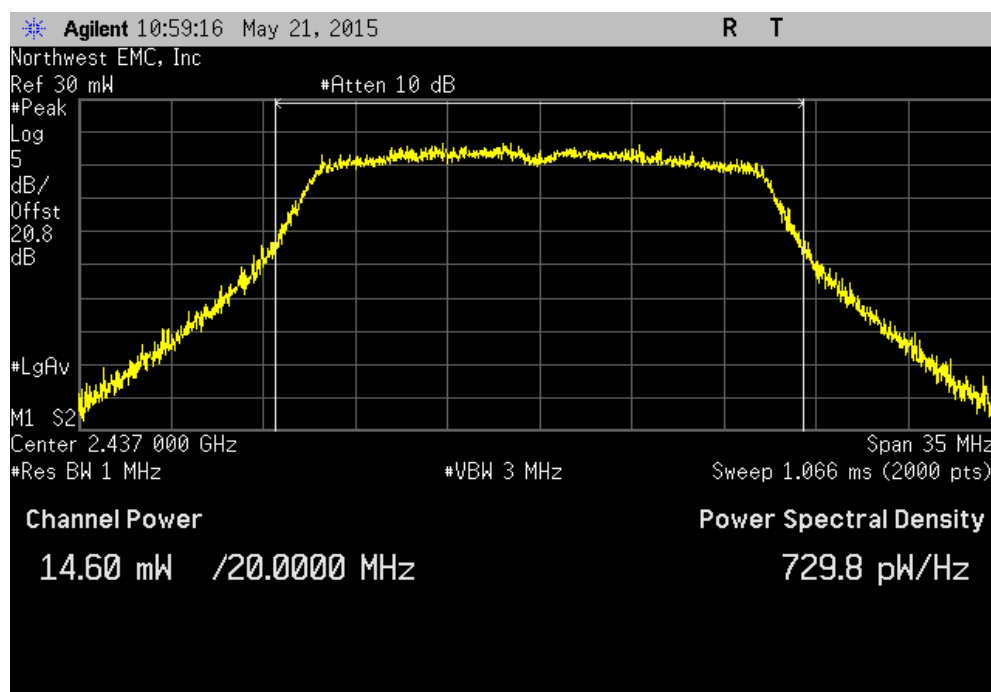


OUTPUT POWER

20 MHz, Chain B, 802.11(n) MCS0, Low Channel 1, 2412 MHz						
				Value	Limit (<)	Result
				10.551 mW	1 W	Pass

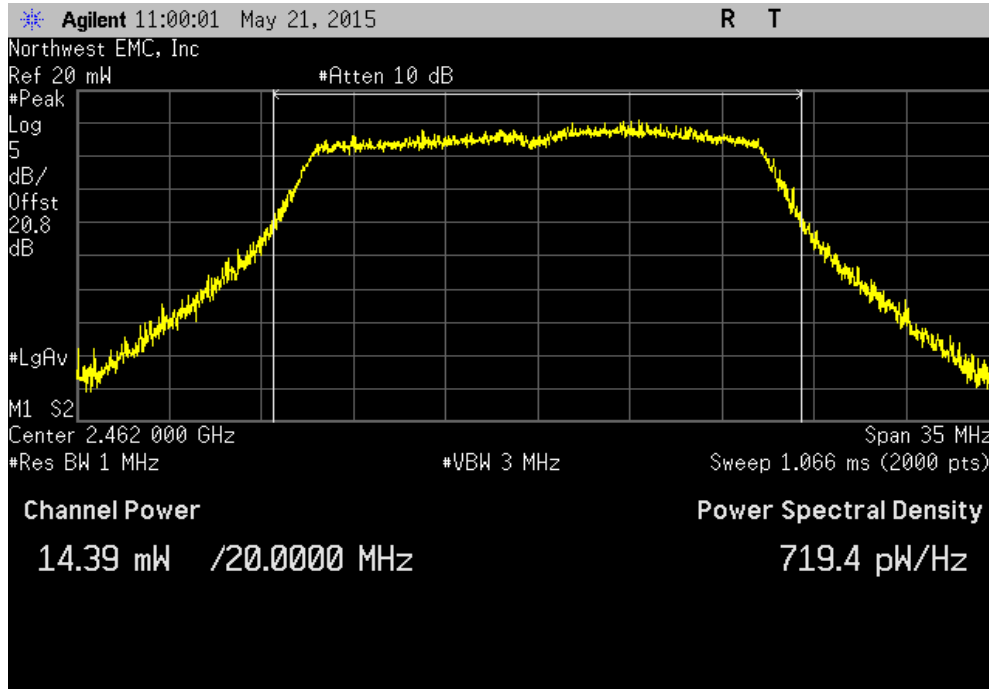


20 MHz, Chain B, 802.11(n) MCS0, Mid Channel 6, 2437 MHz						
				Value	Limit (<)	Result
				14.596 mW	1 W	Pass

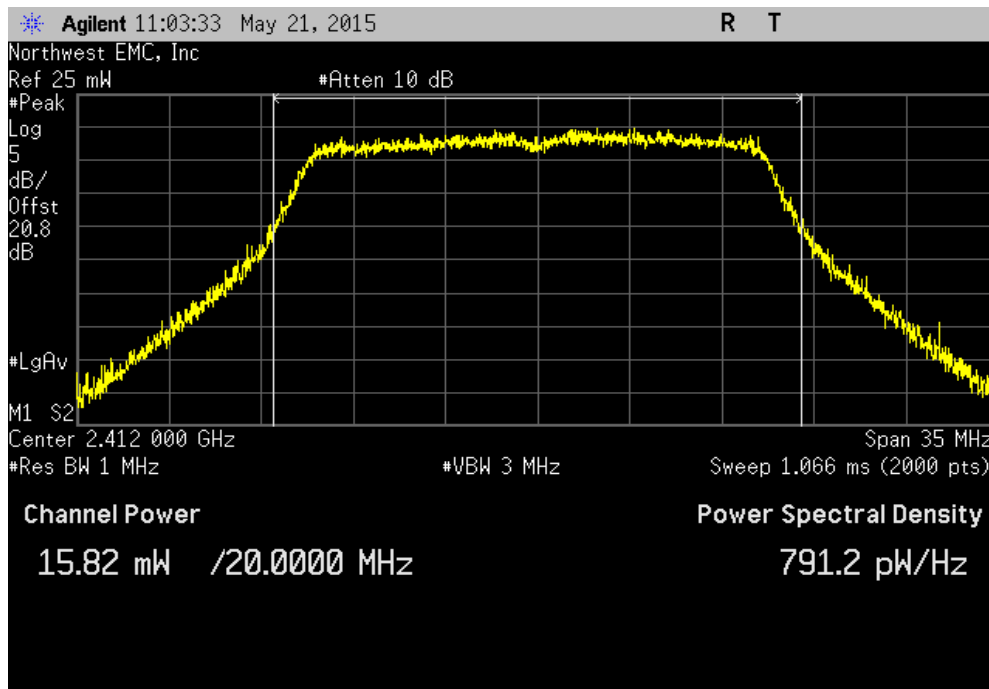


OUTPUT POWER

20 MHz, Chain B, 802.11(n) MCS0, High Channel 11, 2462 MHz						
				Value	Limit (<)	Result
				14.389 mW	1 W	Pass

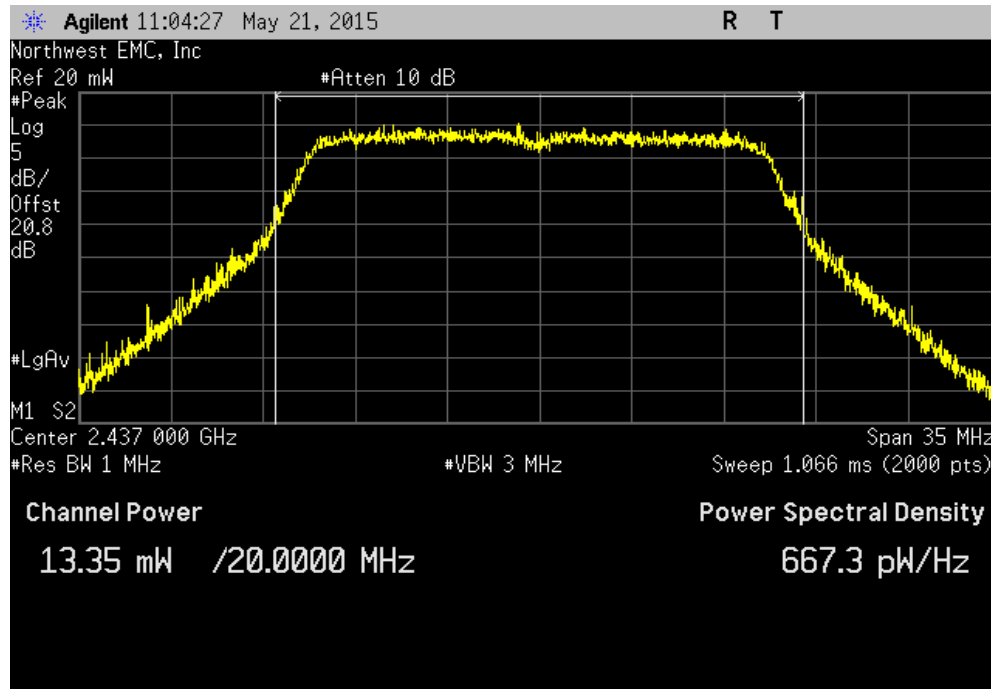


20 MHz, Chain B, 802.11(n) MCS7, Low Channel 1, 2412 MHz						
				Value	Limit (<)	Result
				15.823 mW	1 W	Pass

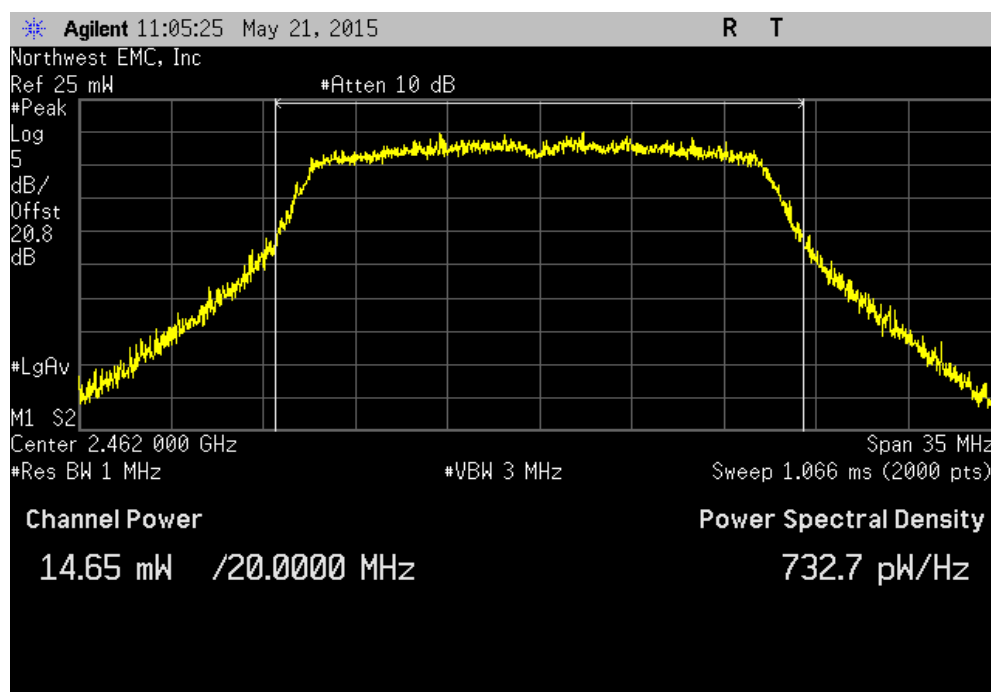


OUTPUT POWER

20 MHz, Chain B, 802.11(n) MCS7, Mid Channel 6, 2437 MHz						
				Value	Limit (<)	Result
				13.346 mW	1 W	Pass

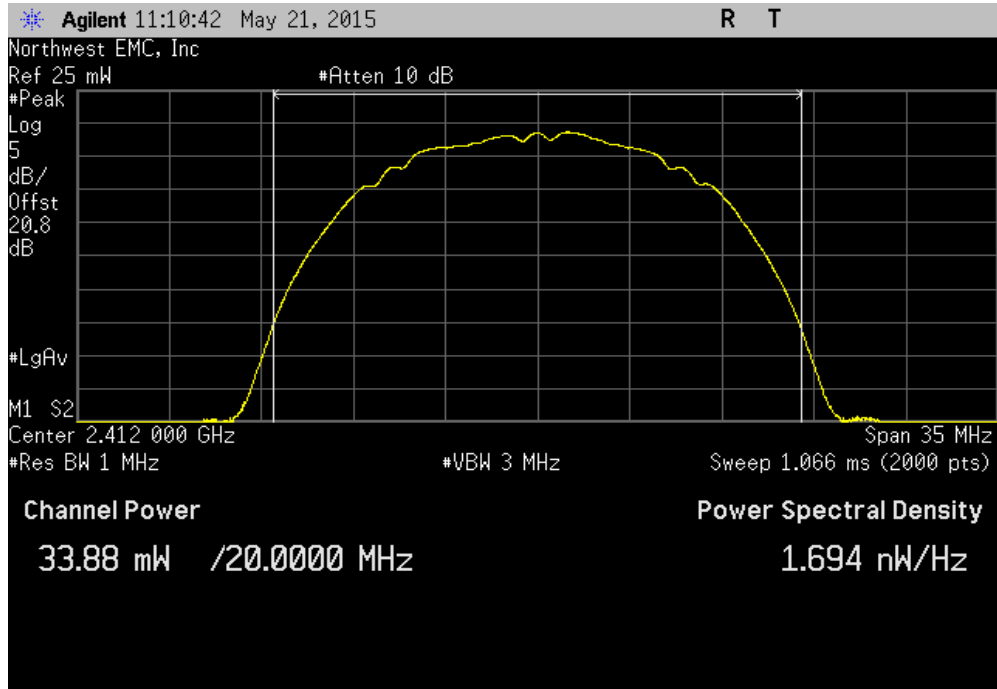


20 MHz, Chain B, 802.11(n) MCS7, High Channel 11, 2462 MHz						
				Value	Limit (<)	Result
				14.654 mW	1 W	Pass

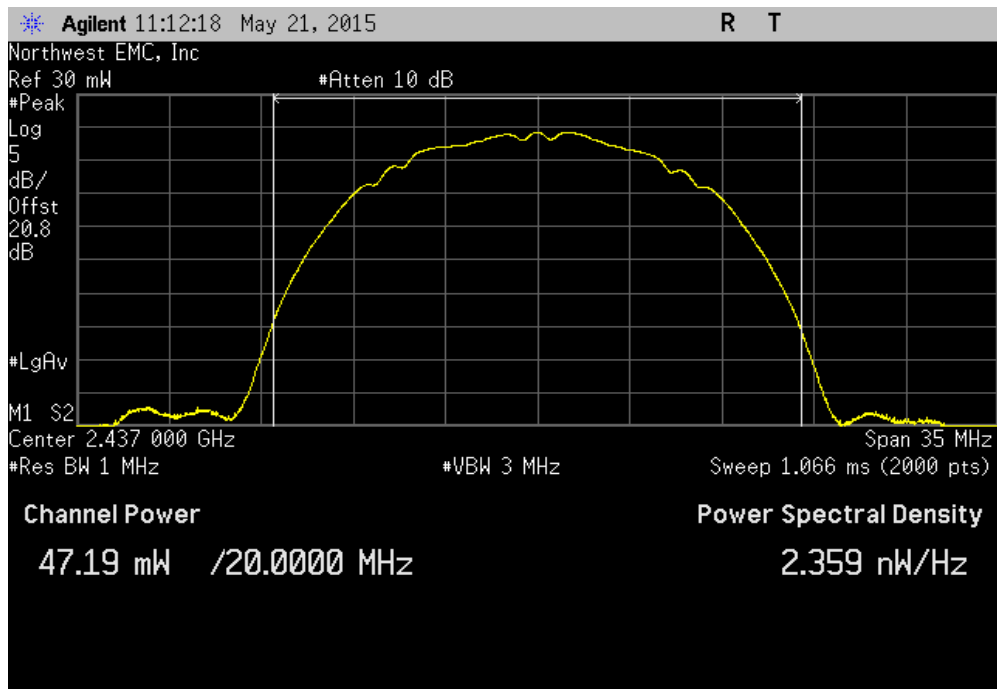


OUTPUT POWER

20 MHz, Chain C, 802.11(b) 1 Mbps, Low Channel 1, 2412 MHz						
				Value	Limit (<)	Result
				33.884 mW	1 W	Pass

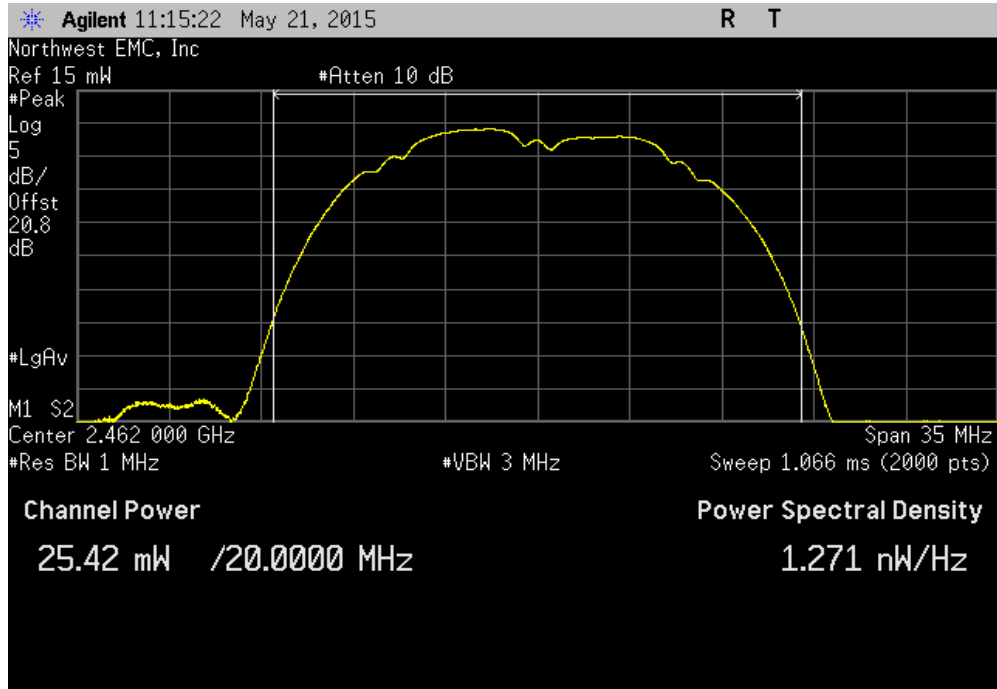


20 MHz, Chain C, 802.11(b) 1 Mbps, Mid Channel 6, 2437 MHz						
				Value	Limit (<)	Result
				47.186 mW	1 W	Pass

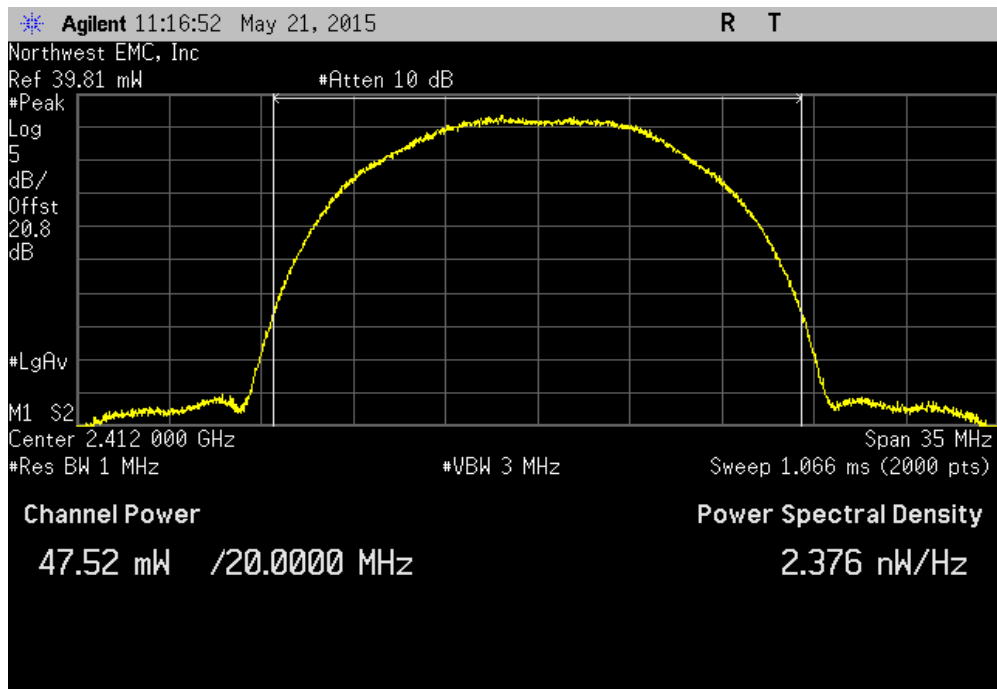


OUTPUT POWER

20 MHz, Chain C, 802.11(b) 1 Mbps, High Channel 11, 2462 MHz						
				Value	Limit (<)	Result
				25.418 mW	1 W	Pass



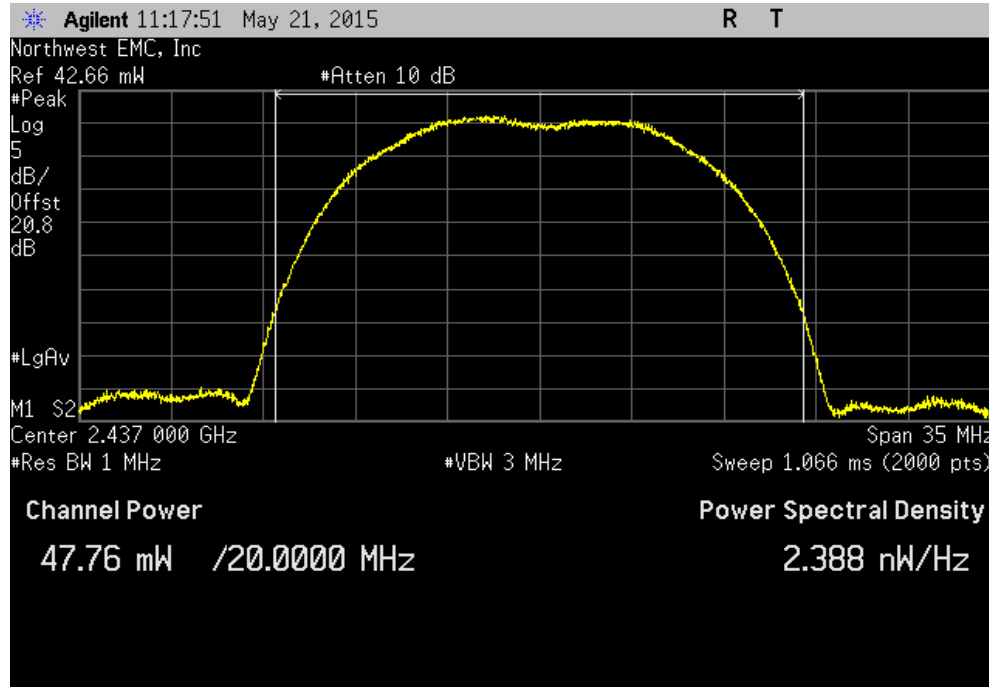
20 MHz, Chain C, 802.11(b) 11 Mbps, Low Channel 1, 2412 MHz						
				Value	Limit (<)	Result
				47.517 mW	1 W	Pass



OUTPUT POWER

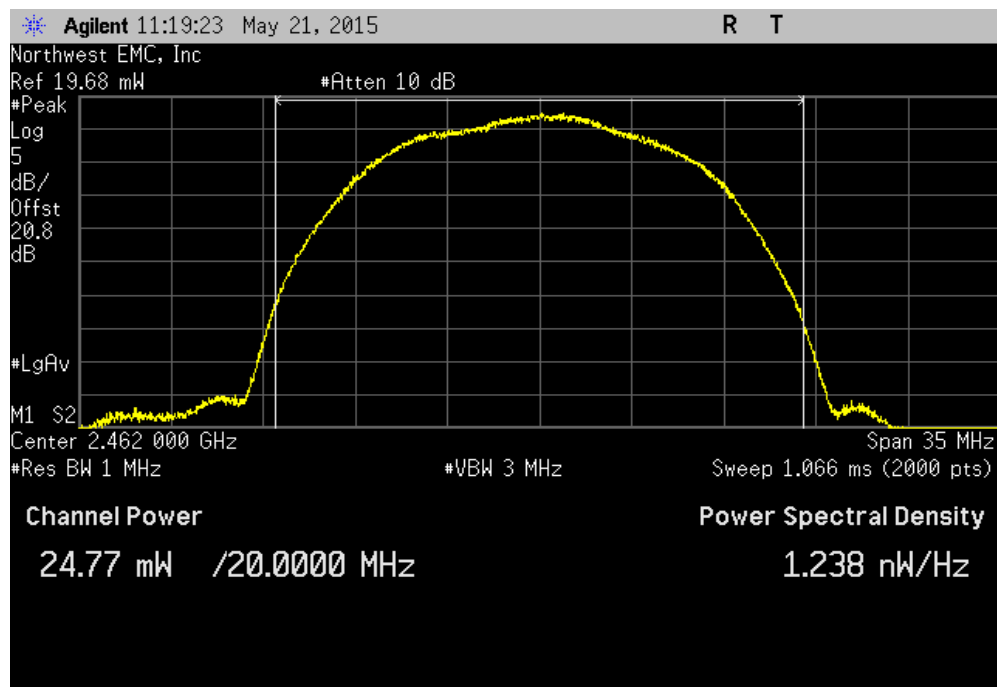
20 MHz, Chain C, 802.11(b) 11 Mbps, Mid Channel 6, 2437 MHz

	Value	Limit (<)	Result
	47.761 mW	1 W	Pass



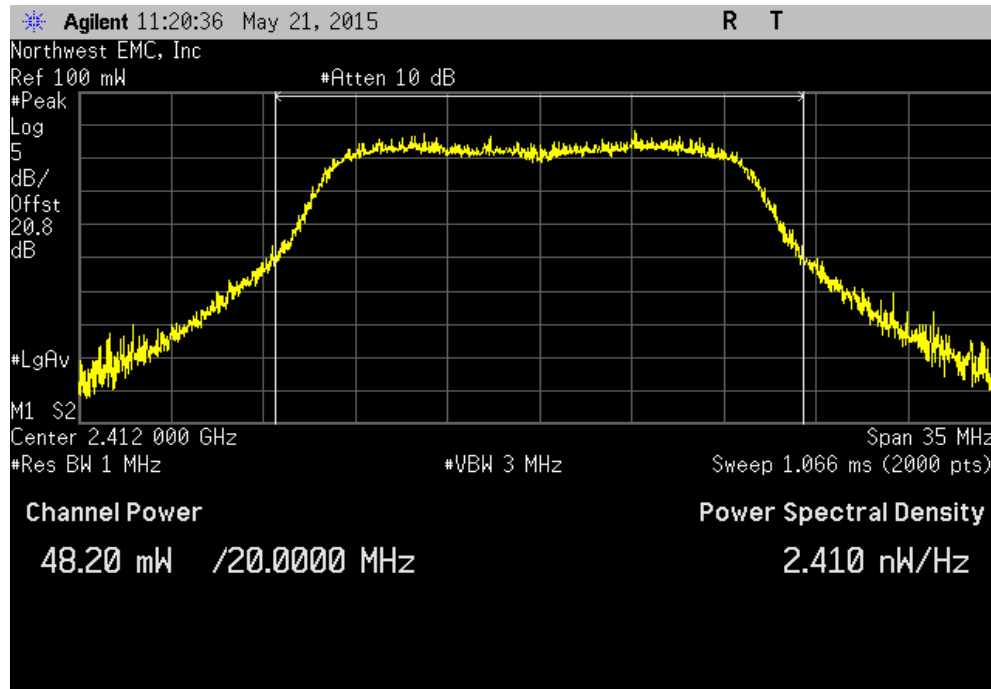
20 MHz, Chain C, 802.11(b) 11 Mbps, High Channel 11, 2462 MHz

	Value	Limit (<)	Result
	24.767 mW	1 W	Pass

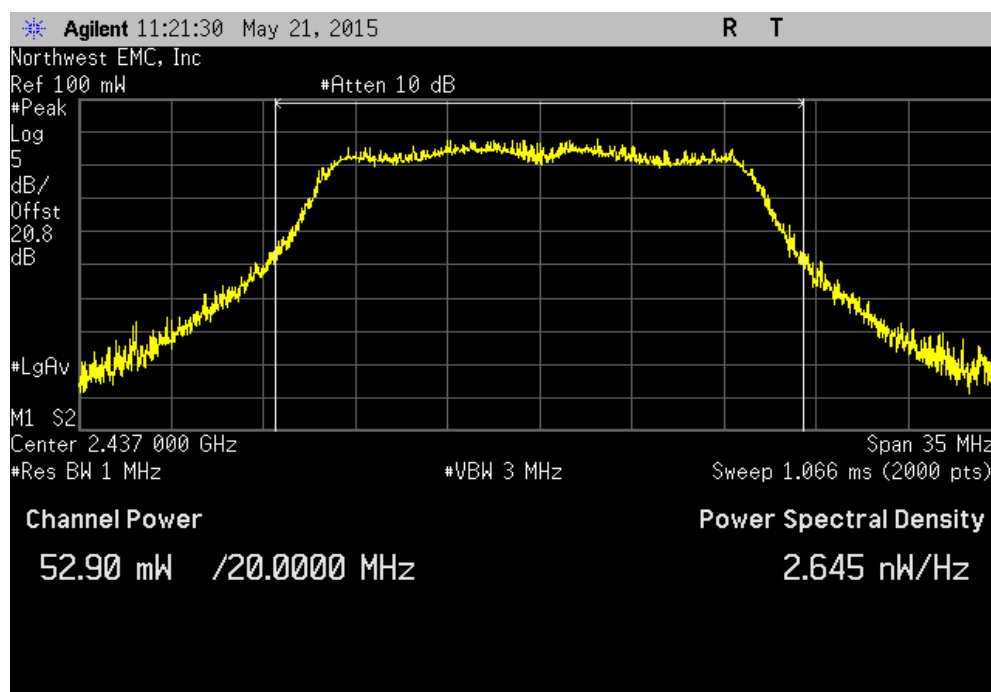


OUTPUT POWER

20 MHz, Chain C, 802.11(g) 6 Mbps, Low Channel 1, 2412 MHz						
				Value	Limit (<)	Result
				48.2 mW	1 W	Pass

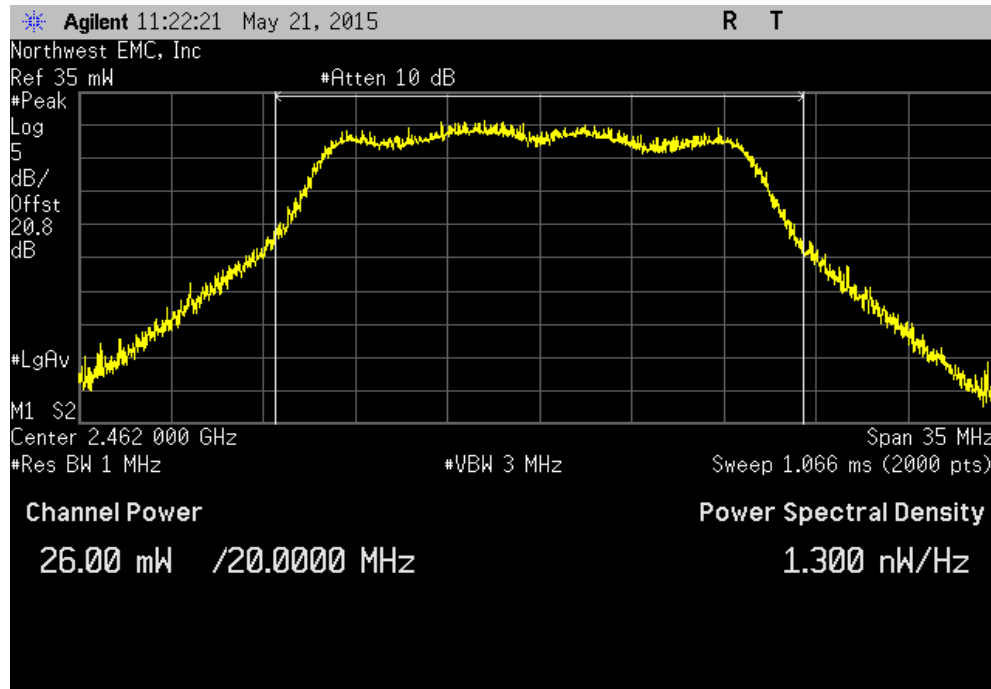


20 MHz, Chain C, 802.11(g) 6 Mbps, Mid Channel 6, 2437 MHz						
				Value	Limit (<)	Result
				52.896 mW	1 W	Pass

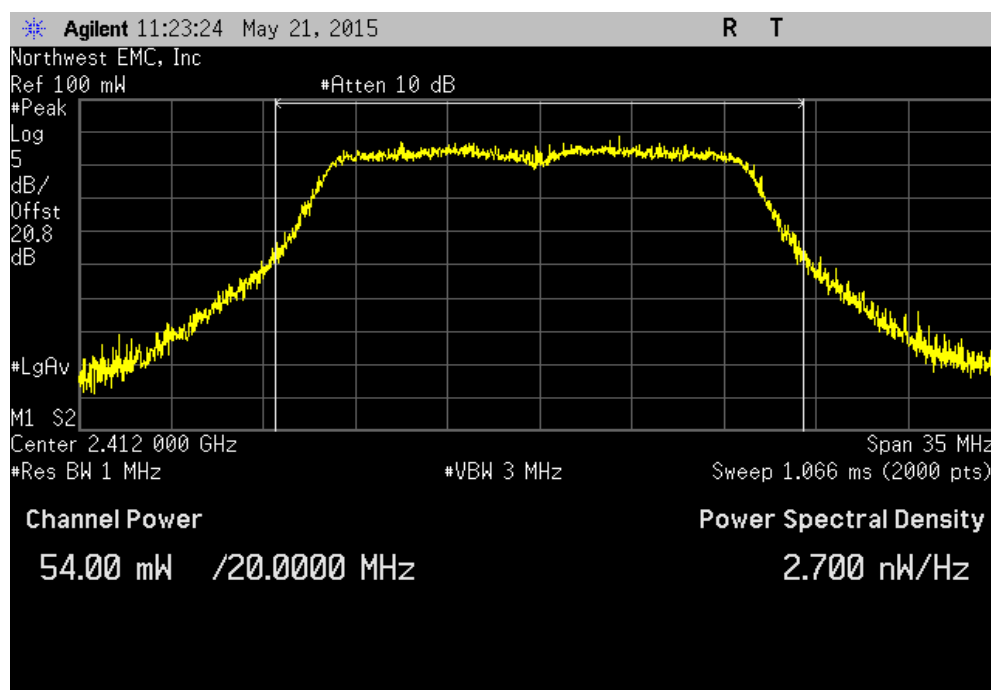


OUTPUT POWER

20 MHz, Chain C, 802.11(g) 6 Mbps, High Channel 11, 2462 MHz						
				Value	Limit (<)	Result
				25.997 mW	1 W	Pass

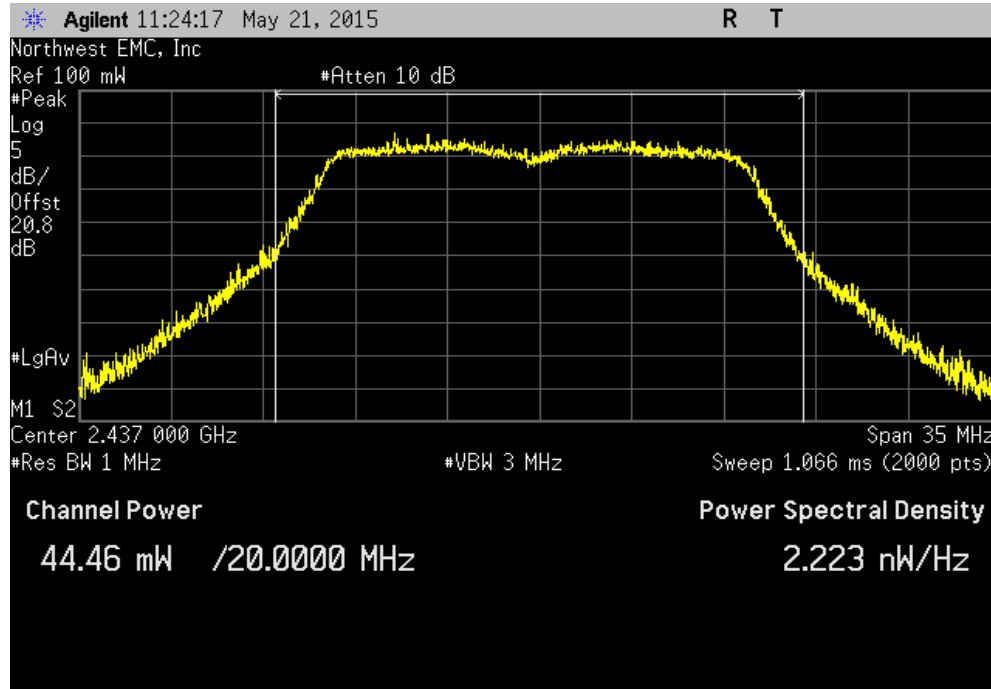


20 MHz, Chain C, 802.11(g) 36 Mbps, Low Channel 1, 2412 MHz						
				Value	Limit (<)	Result
				54.003 mW	1 W	Pass

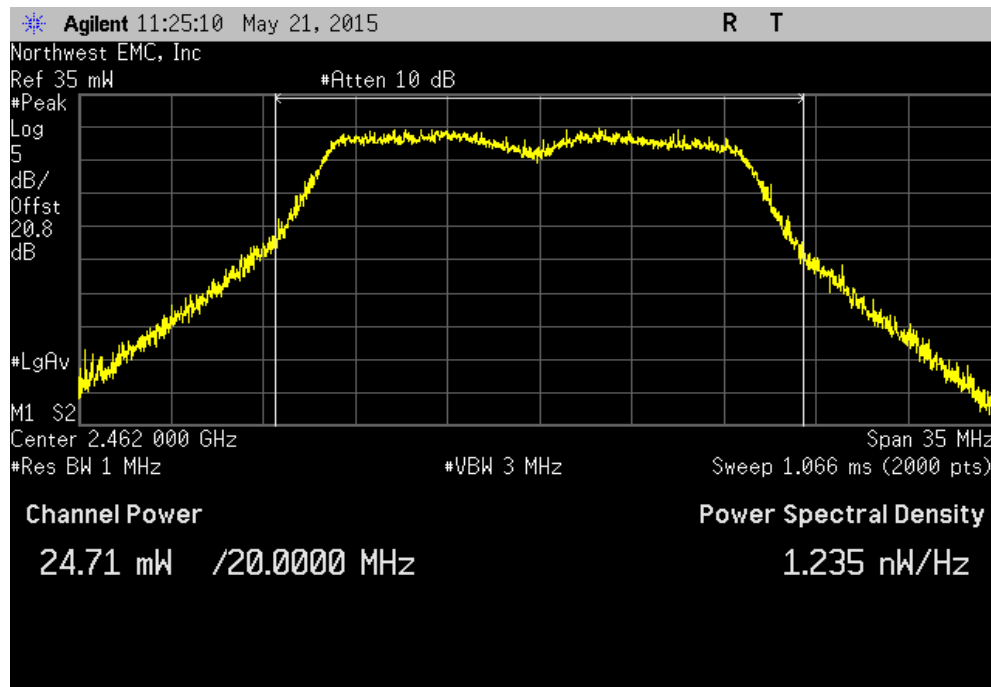


OUTPUT POWER

20 MHz, Chain C, 802.11(g) 36 Mbps, Mid Channel 6, 2437 MHz						
				Value	Limit (<)	Result
				44.456 mW	1 W	Pass



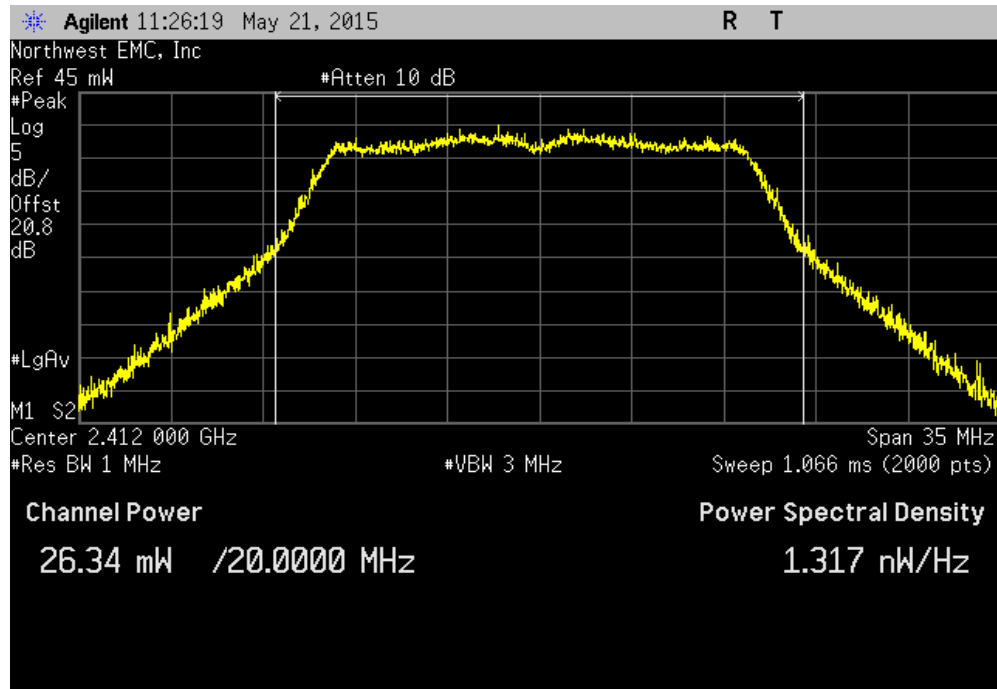
20 MHz, Chain C, 802.11(g) 36 Mbps, High Channel 11, 2462 MHz						
				Value	Limit (<)	Result
				24.705 mW	1 W	Pass



OUTPUT POWER

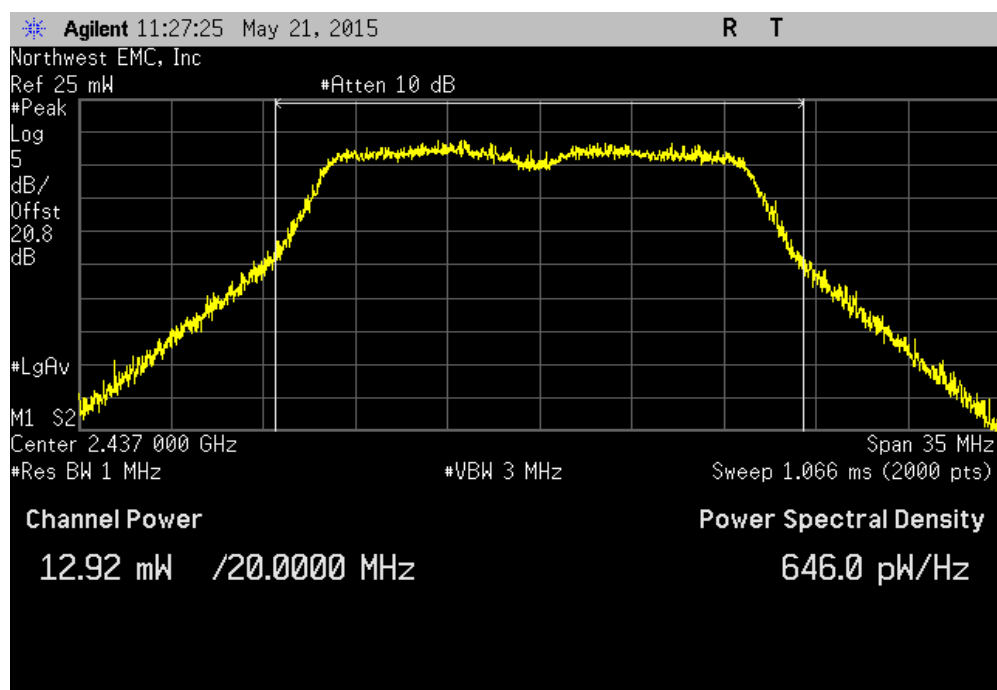
20 MHz, Chain C, 802.11(g) 54 Mbps, Low Channel 1, 2412 MHz

	Value	Limit (<)	Result
	26.34 mW	1 W	Pass



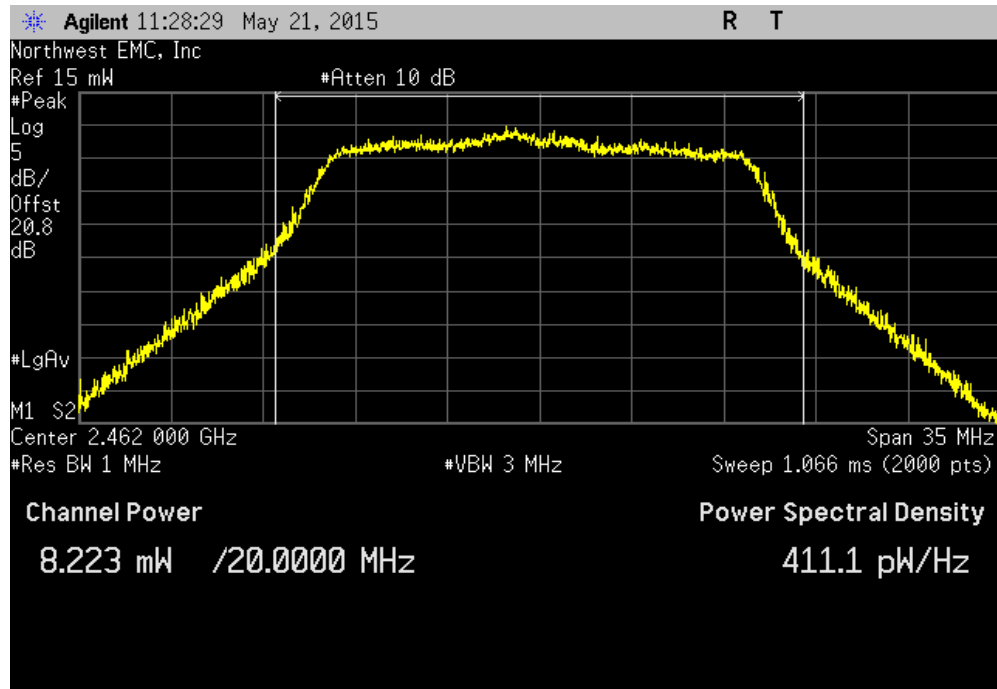
20 MHz, Chain C, 802.11(g) 54 Mbps, Mid Channel 6, 2437 MHz

	Value	Limit (<)	Result
	12.92 mW	1 W	Pass

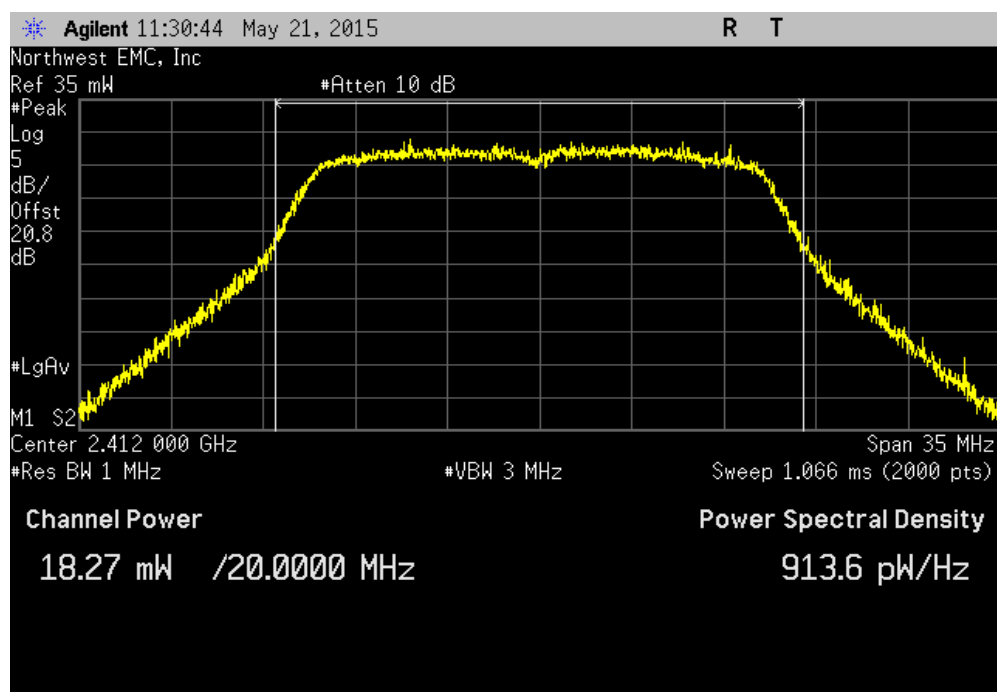


OUTPUT POWER

20 MHz, Chain C, 802.11(g) 54 Mbps, High Channel 11, 2462 MHz						
				Value	Limit (<)	Result
				8.223 mW	1 W	Pass

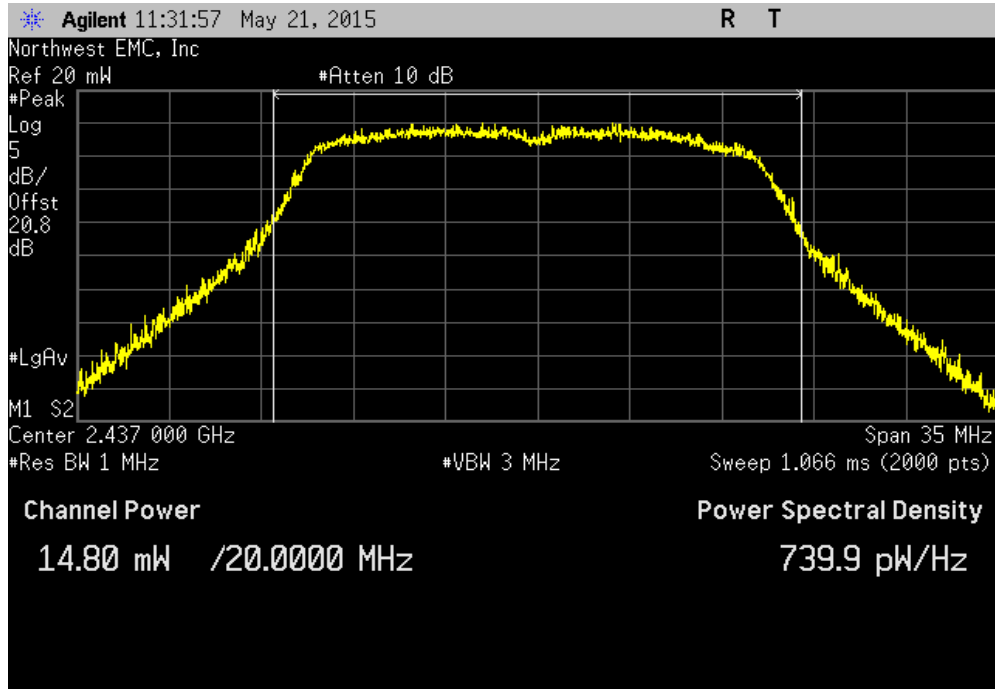


20 MHz, Chain C, 802.11(n) MCS0, Low Channel 1, 2412 MHz						
				Value	Limit (<)	Result
				18.271 mW	1 W	Pass

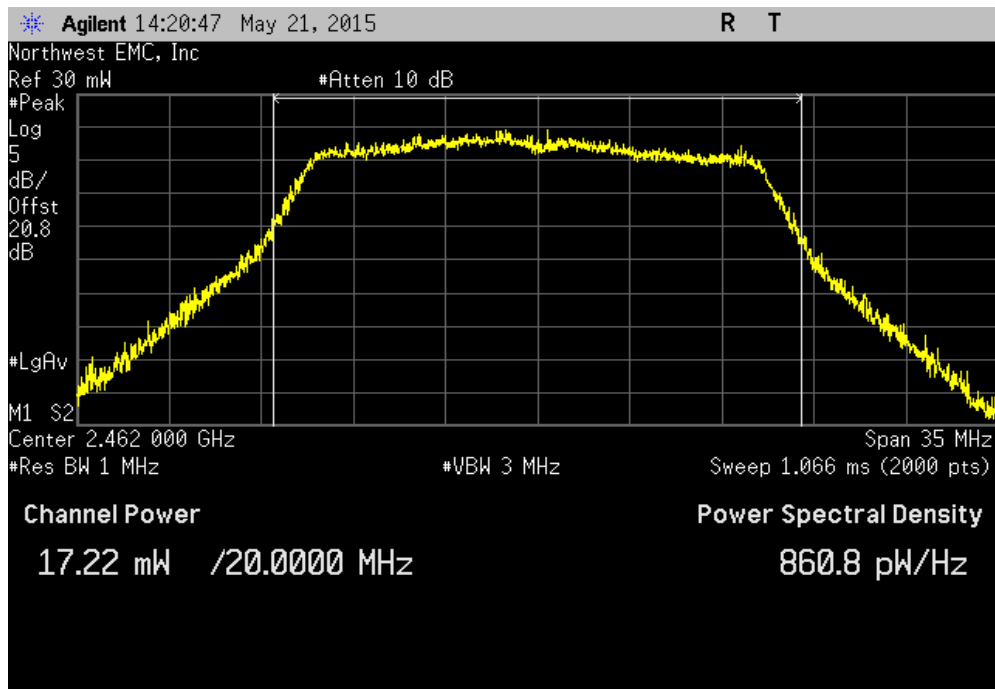


OUTPUT POWER

20 MHz, Chain C, 802.11(n) MCS0, Mid Channel 6, 2437 MHz						
				Value	Limit (<)	Result
				14.799 mW	1 W	Pass

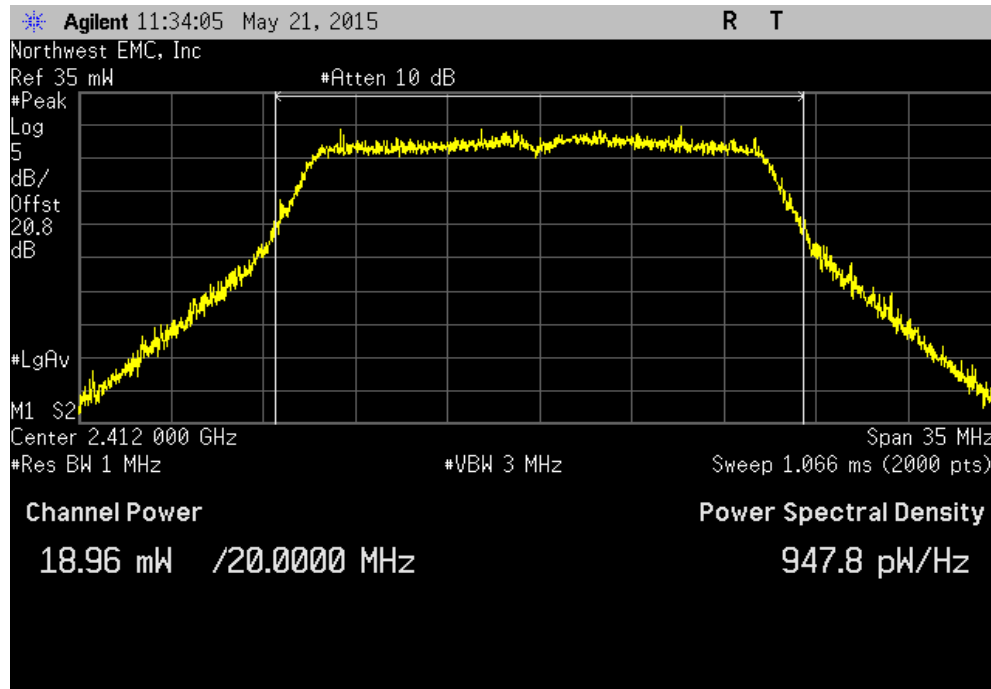


20 MHz, Chain C, 802.11(n) MCS0, High Channel 11, 2462 MHz						
				Value	Limit (<)	Result
				17.217 mW	1 W	Pass

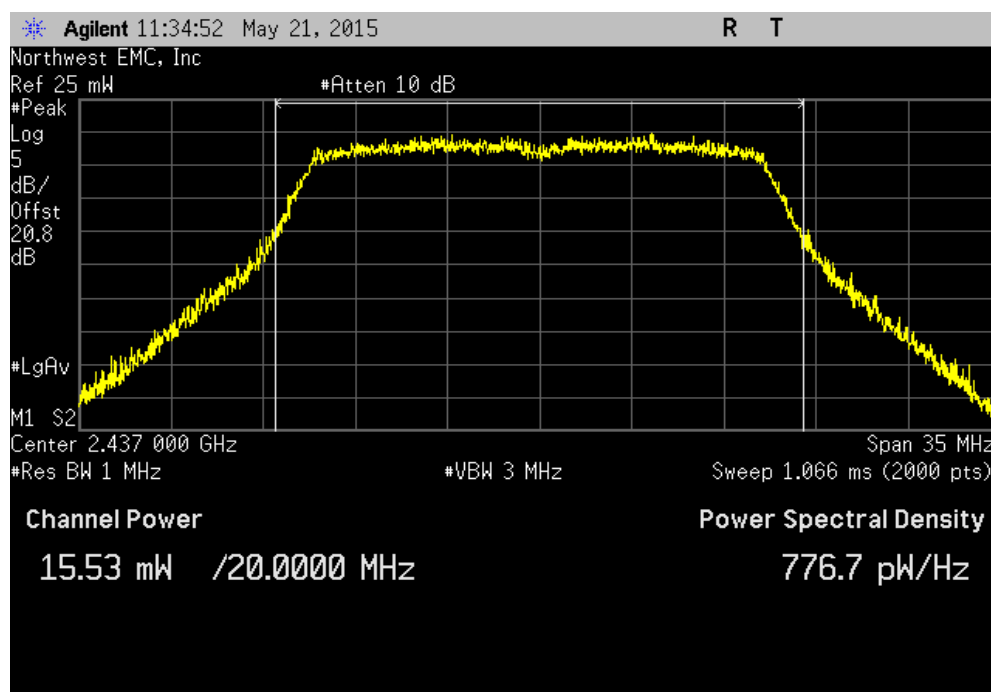


OUTPUT POWER

20 MHz, Chain C, 802.11(n) MCS7, Low Channel 1, 2412 MHz						
				Value	Limit (<)	Result
				18.955 mW	1 W	Pass

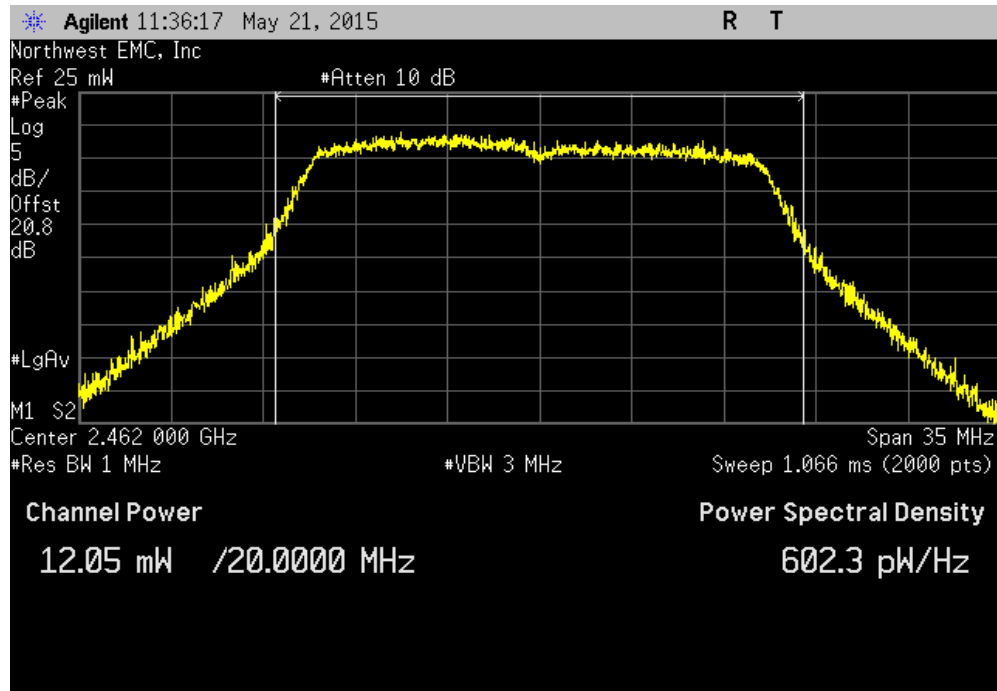


20 MHz, Chain C, 802.11(n) MCS7, Mid Channel 6, 2437 MHz						
				Value	Limit (<)	Result
				15.534 mW	1 W	Pass



OUTPUT POWER

20 MHz, Chain C, 802.11(n) MCS7, High Channel 11, 2462 MHz						
Value				Limit	Result	
12.046 mW				1 W	Pass	

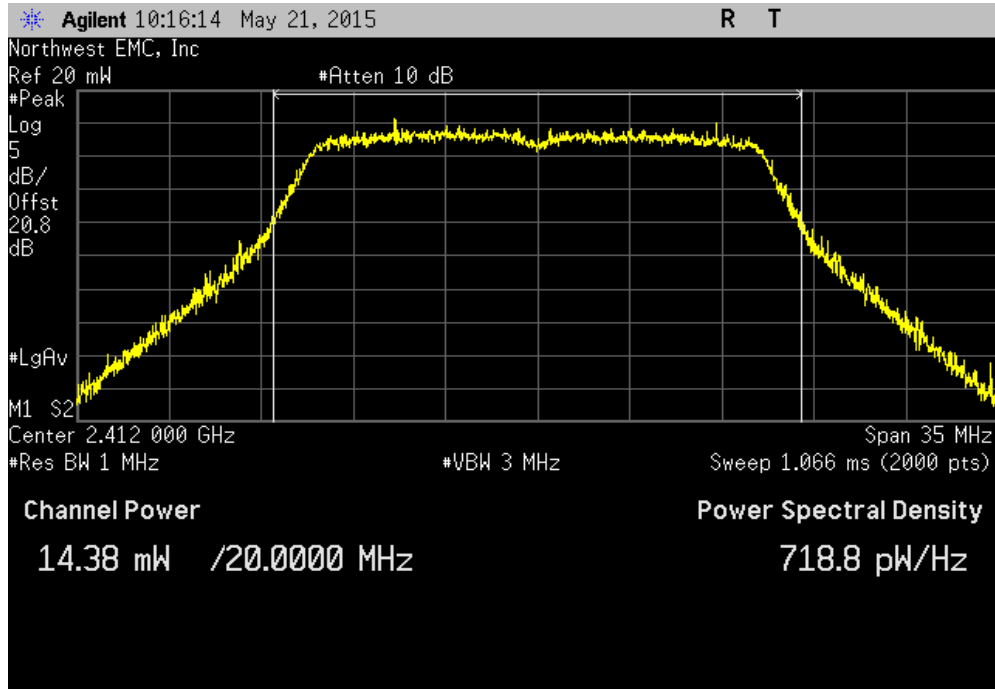


OUTPUT POWER

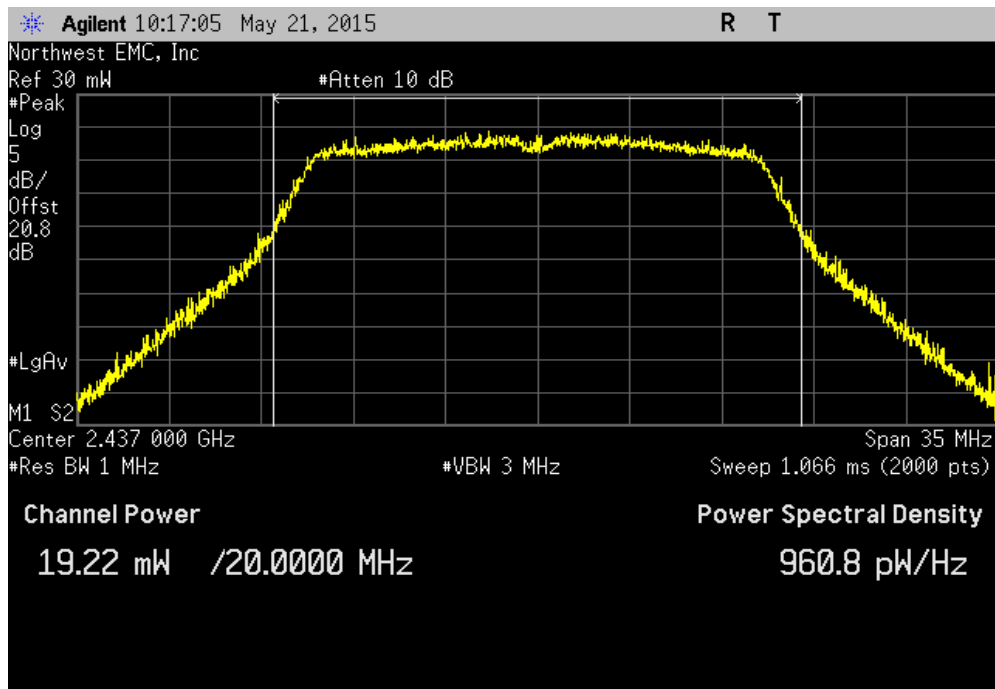
EUT: RLX2-IHNF			Work Order: PROS0222	
Serial Number: 000D8DF095CF			Date: 05/21/15	
Customer: ProSoft Technology, Inc.			Temperature: 25.0°C	
Attendees: None			Humidity: 43%	
Project: None			Barometric Pres.: 1023 mbar	
Tested by: Jonathan Kiefer, Jeremiah Darden		Power: 110VAC/60Hz	Job Site: TX09	
TEST SPECIFICATIONS		Test Method		
FCC 15.247:2015		ANSI C63.10:2009		
COMMENTS				
Offset 20.8 dB (DC Block + 20dB Attenuator + Coax Cable) for 2.4 GHz				
DEVIATIONS FROM TEST STANDARD				
None				
Configuration #	1	Signature 		
			Value	Limit (<)
				Result
20 MHz				
Chain A				
802.11(n) MCS8				
Low Channel 1, 2412 MHz			14.376 mW	1 W
Mid Channel 6, 2437 MHz			19.215 mW	1 W
High Channel 11, 2462 MHz			21.889 mW	1 W
802.11(n) MCS15				
Low Channel 1, 2412 MHz			19.291 mW	1 W
Mid Channel 6, 2437 MHz			20.478 mW	1 W
High Channel 11, 2462 MHz			21.591 mW	1 W
Chain B				
802.11(n) MCS8				
Low Channel 1, 2412 MHz			10.551 mW	1 W
Mid Channel 6, 2437 MHz			14.596 mW	1 W
High Channel 11, 2462 MHz			14.389 mW	1 W
802.11(n) MCS15				
Low Channel 1, 2412 MHz			15.823 mW	1 W
Mid Channel 6, 2437 MHz			13.346 mW	1 W
High Channel 11, 2462 MHz			14.654 mW	1 W
Chain C				
802.11(n) MCS8				
Low Channel 1, 2412 MHz			18.271 mW	1 W
Mid Channel 6, 2437 MHz			14.799 mW	1 W
High Channel 11, 2462 MHz			17.217 mW	1 W
802.11(n) MCS15				
Low Channel 1, 2412 MHz			18.955 mW	1 W
Mid Channel 6, 2437 MHz			15.534 mW	1 W
High Channel 11, 2462 MHz			12.046 mW	1 W
Power Summing, 20 MHz				
Chain AB				
			Chain A (mW)	Chain B (mW)
802.11(n) MCS8				Summed Power (dBm)
Low Channel 1, 2412 MHz			14.376	10.551
Mid Channel 6, 2437 MHz			19.215	14.596
High Channel 11, 2462 MHz			21.889	14.389
802.11(n) MCS15				
Low Channel 1, 2412 MHz			19.291	15.823
Mid Channel 6, 2437 MHz			20.478	13.346
High Channel 11, 2462 MHz			21.591	14.654
Power Summing, 20 MHz				
Chain AC				
			Chain A (mW)	Chain C (mW)
802.11(n) MCS8				Summed Power (dBm)
Low Channel 1, 2412 MHz			14.376	18.271
Mid Channel 6, 2437 MHz			19.215	14.799
High Channel 11, 2462 MHz			21.889	17.217
802.11(n) MCS15				
Low Channel 1, 2412 MHz			19.291	18.955
Mid Channel 6, 2437 MHz			20.478	15.534
High Channel 11, 2462 MHz			21.591	12.046
Power Summing, 20 MHz				
Chain BC				
			Chain B (mW)	Chain C (mW)
802.11(n) MCS8				Summed Power (dBm)
Low Channel 1, 2412 MHz			10.551	18.271
Mid Channel 6, 2437 MHz			14.596	14.799
High Channel 11, 2462 MHz			14.389	17.217
802.11(n) MCS15				
Low Channel 1, 2412 MHz			15.823	18.955
Mid Channel 6, 2437 MHz			13.346	15.534
High Channel 11, 2462 MHz			14.654	12.046

OUTPUT POWER

20 MHz, Chain A, 802.11(n) MCS8, Low Channel 1, 2412 MHz						
				Value	Limit (<)	Result
				14.376 mW	1 W	Pass



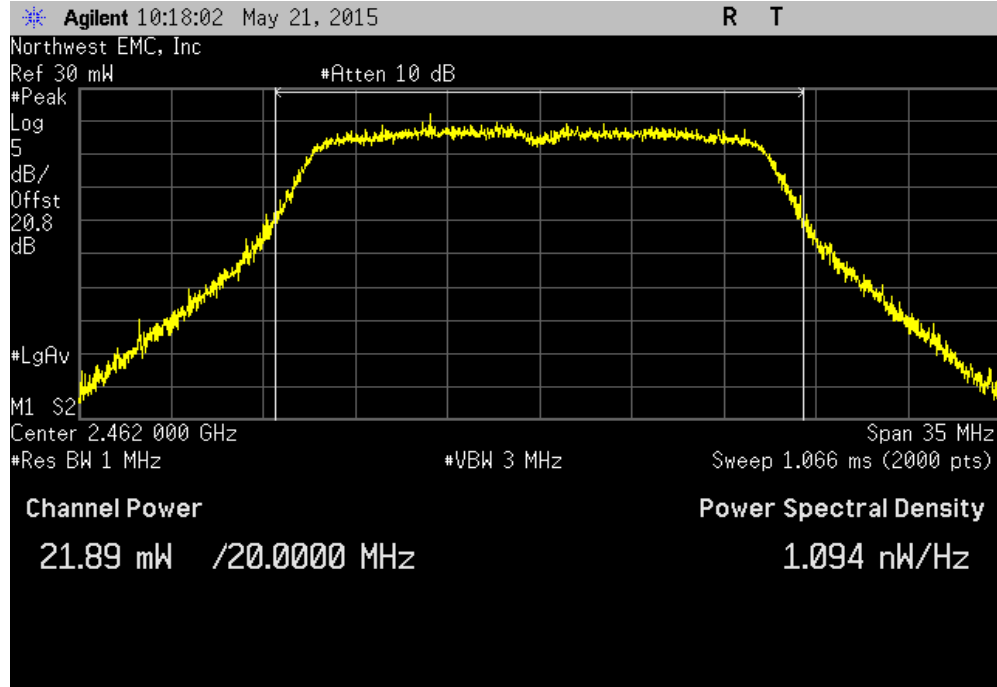
20 MHz, Chain A, 802.11(n) MCS8, Mid Channel 6, 2437 MHz						
				Value	Limit (<)	Result
				19.215 mW	1 W	Pass



OUTPUT POWER

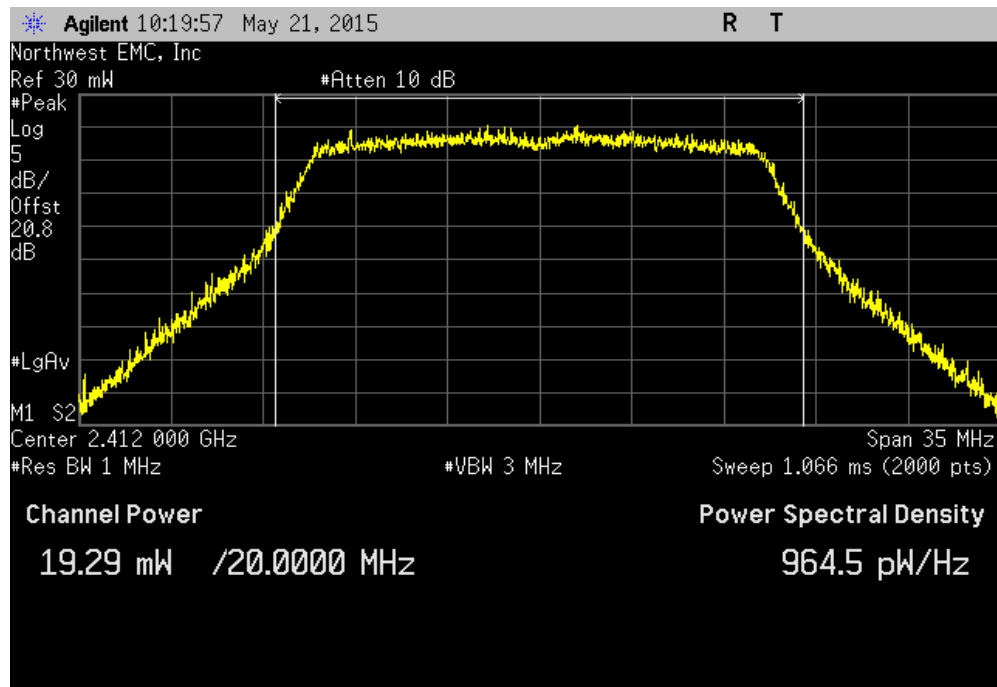
20 MHz, Chain A, 802.11(n) MCS8, High Channel 11, 2462 MHz

	Value	Limit (<)	Result
	21.889 mW	1 W	Pass



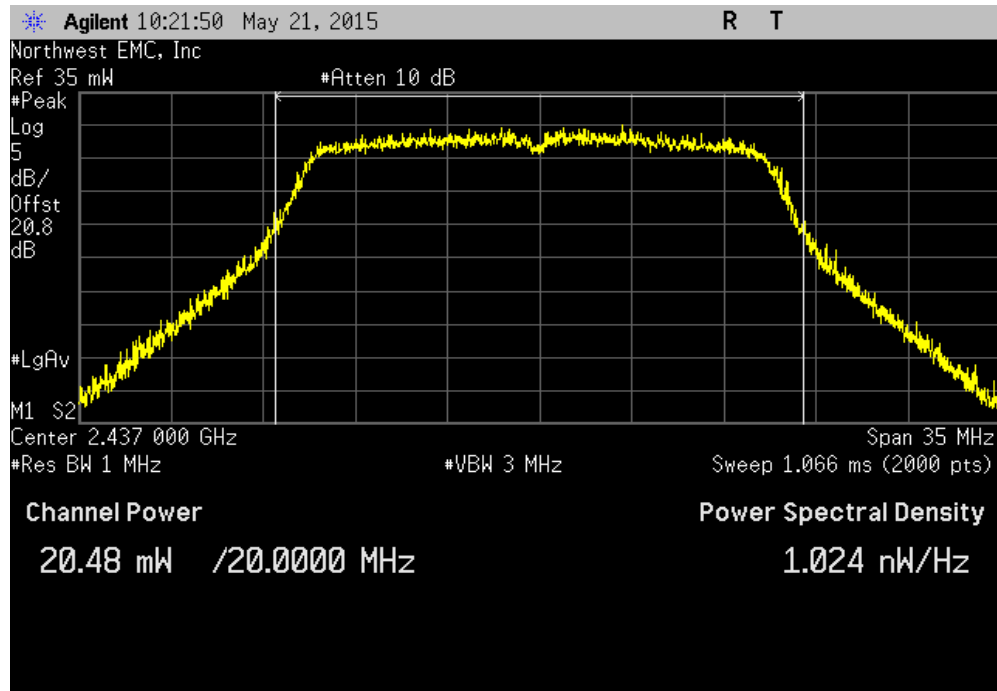
20 MHz, Chain A, 802.11(n) MCS15, Low Channel 1, 2412 MHz

	Value	Limit (<)	Result
	19.291 mW	1 W	Pass

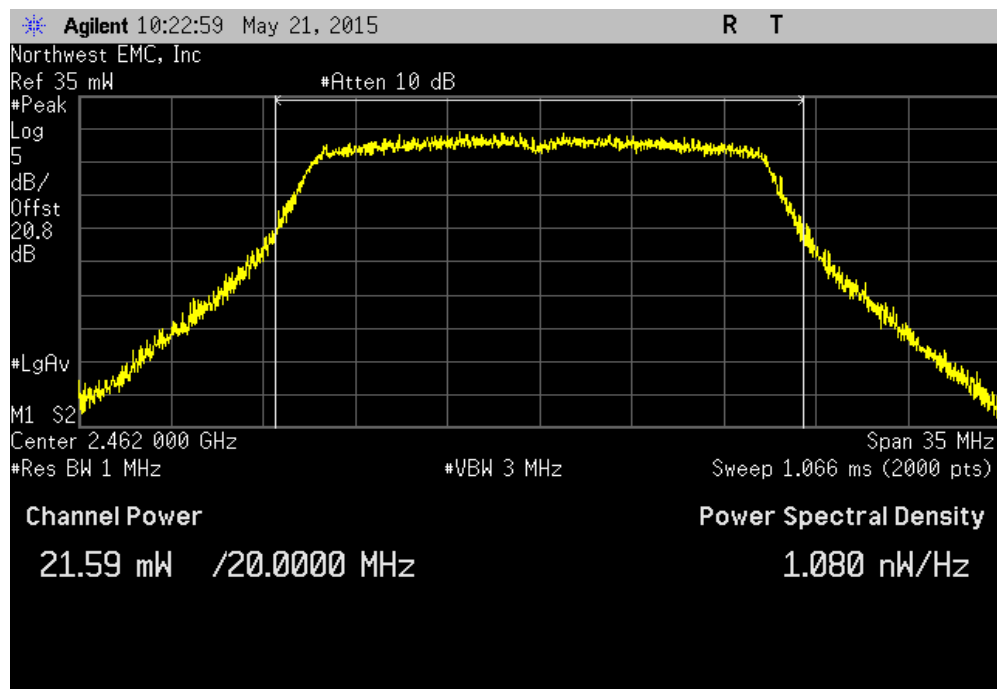


OUTPUT POWER

20 MHz, Chain A, 802.11(n) MCS15, Mid Channel 6, 2437 MHz						
				Value	Limit (<)	Result
				20.478 mW	1 W	Pass

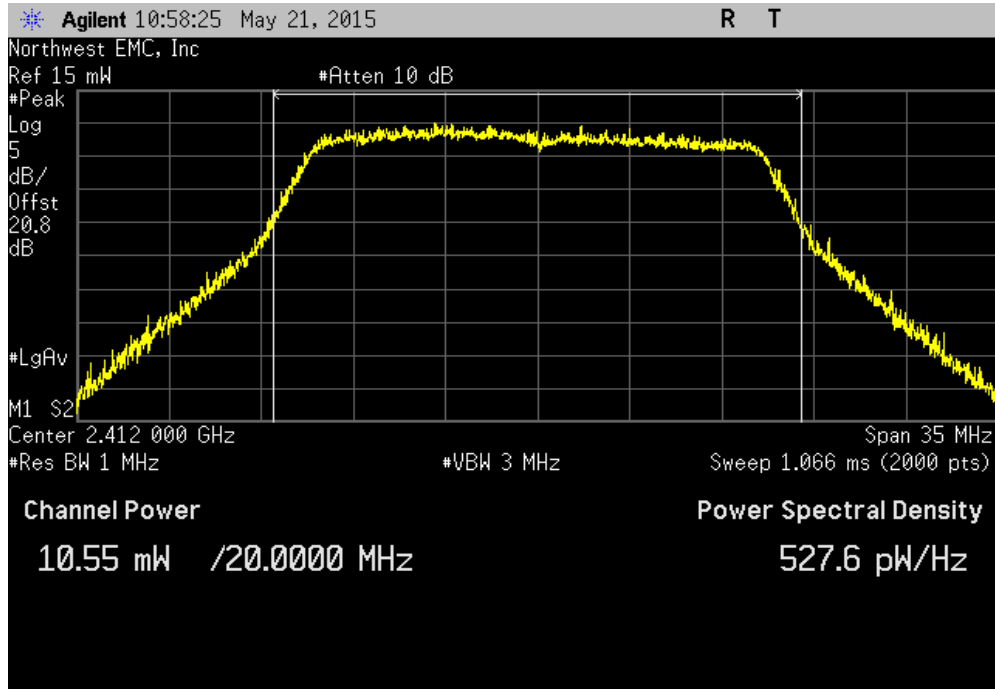


20 MHz, Chain A, 802.11(n) MCS15, High Channel 11, 2462 MHz						
				Value	Limit (<)	Result
				21.591 mW	1 W	Pass

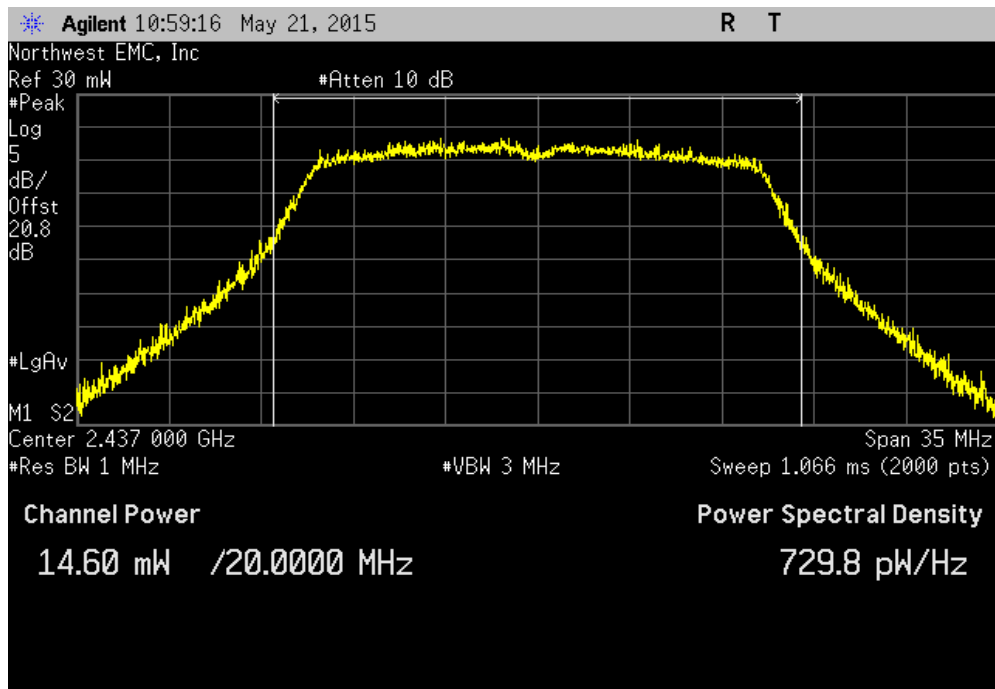


OUTPUT POWER

20 MHz, Chain B, 802.11(n) MCS8, Low Channel 1, 2412 MHz						
				Value	Limit (<)	Result
				10.551 mW	1 W	Pass

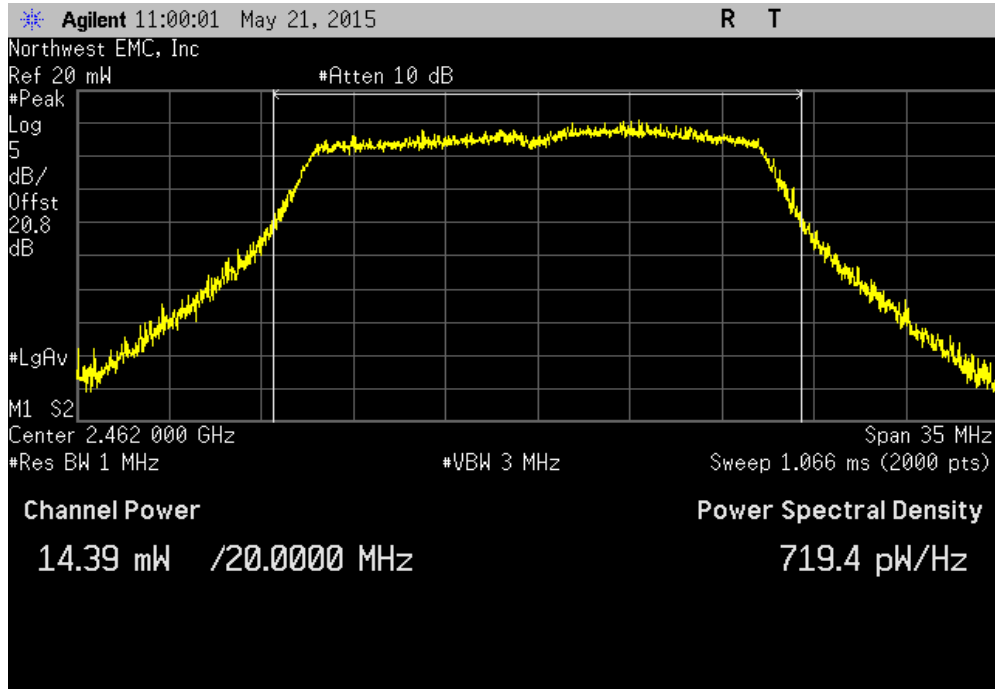


20 MHz, Chain B, 802.11(n) MCS8, Mid Channel 6, 2437 MHz						
				Value	Limit (<)	Result
				14.596 mW	1 W	Pass

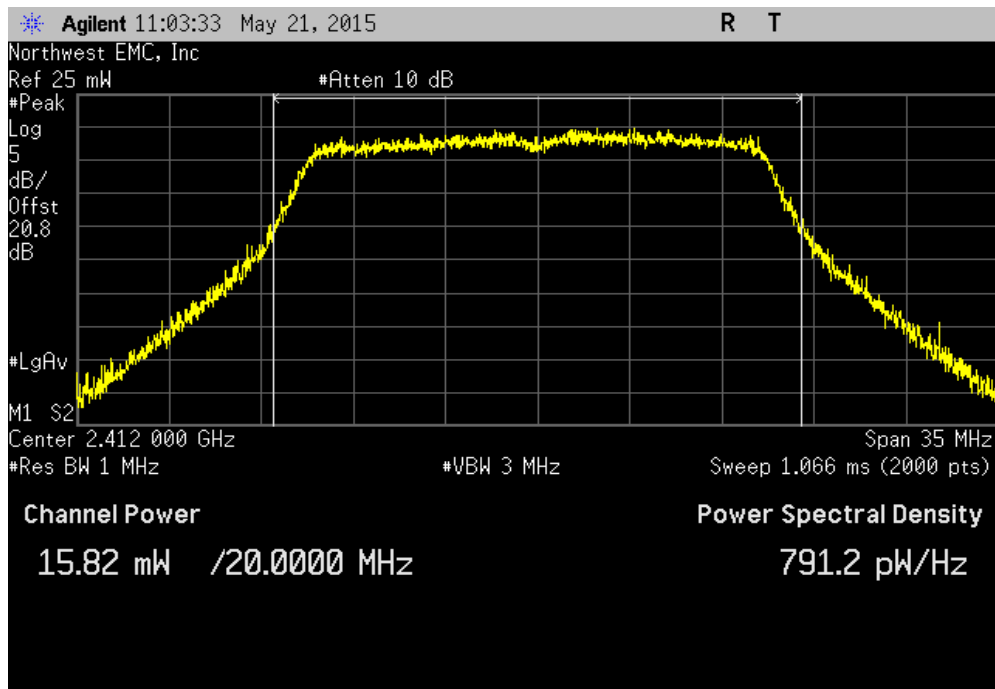


OUTPUT POWER

20 MHz, Chain B, 802.11(n) MCS8, High Channel 11, 2462 MHz						
				Value	Limit (<)	Result
				14.389 mW	1 W	Pass

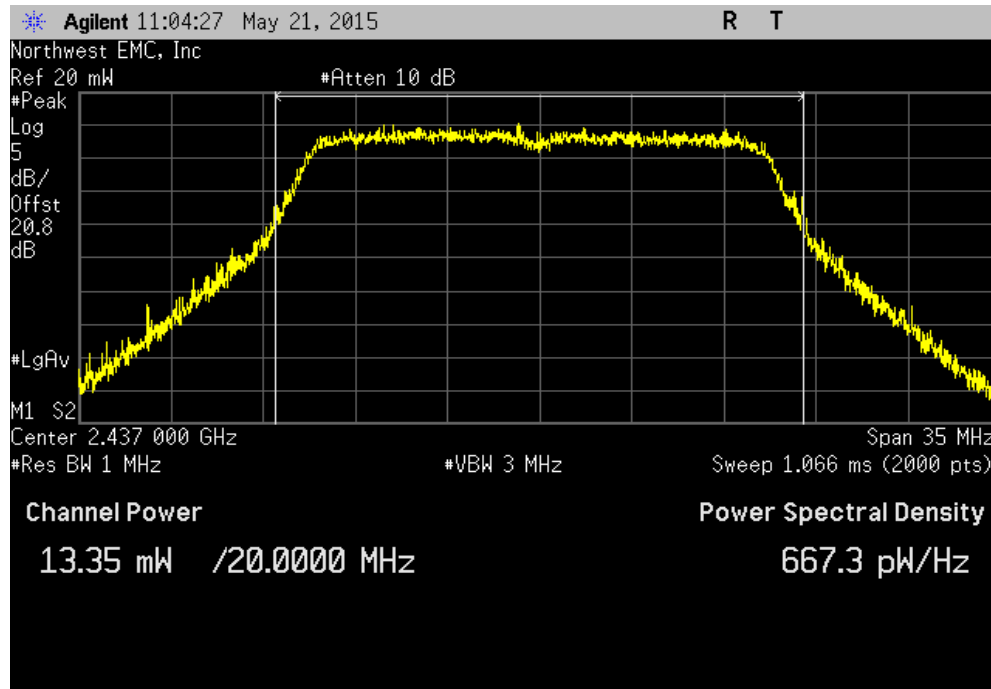


20 MHz, Chain B, 802.11(n) MCS15, Low Channel 1, 2412 MHz						
				Value	Limit (<)	Result
				15.823 mW	1 W	Pass

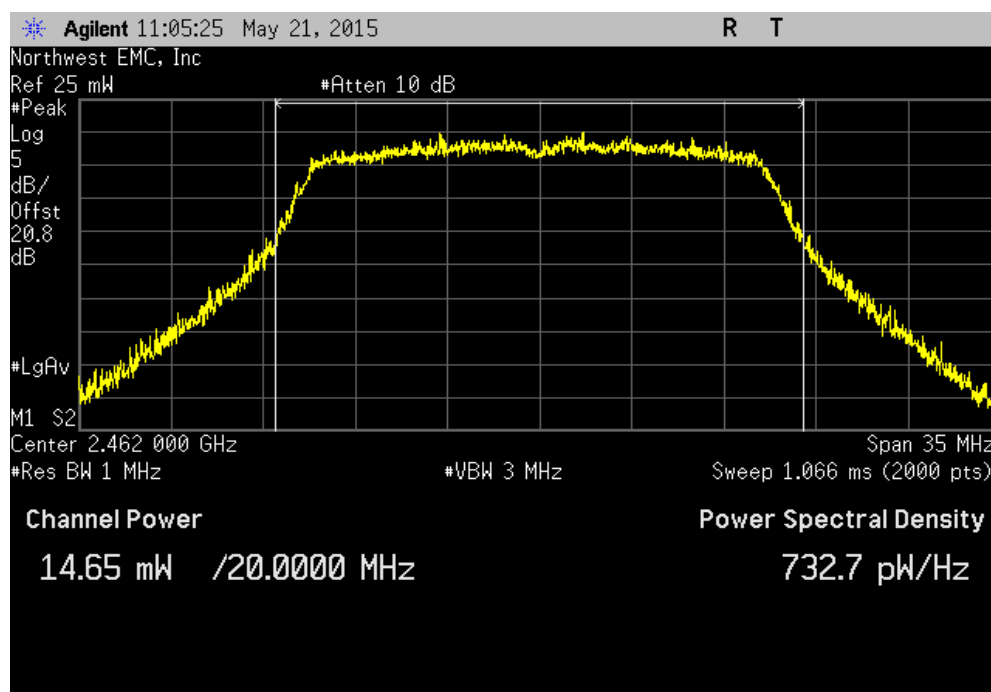


OUTPUT POWER

20 MHz, Chain B, 802.11(n) MCS15, Mid Channel 6, 2437 MHz						
				Value	Limit (<)	Result
				13.346 mW	1 W	Pass

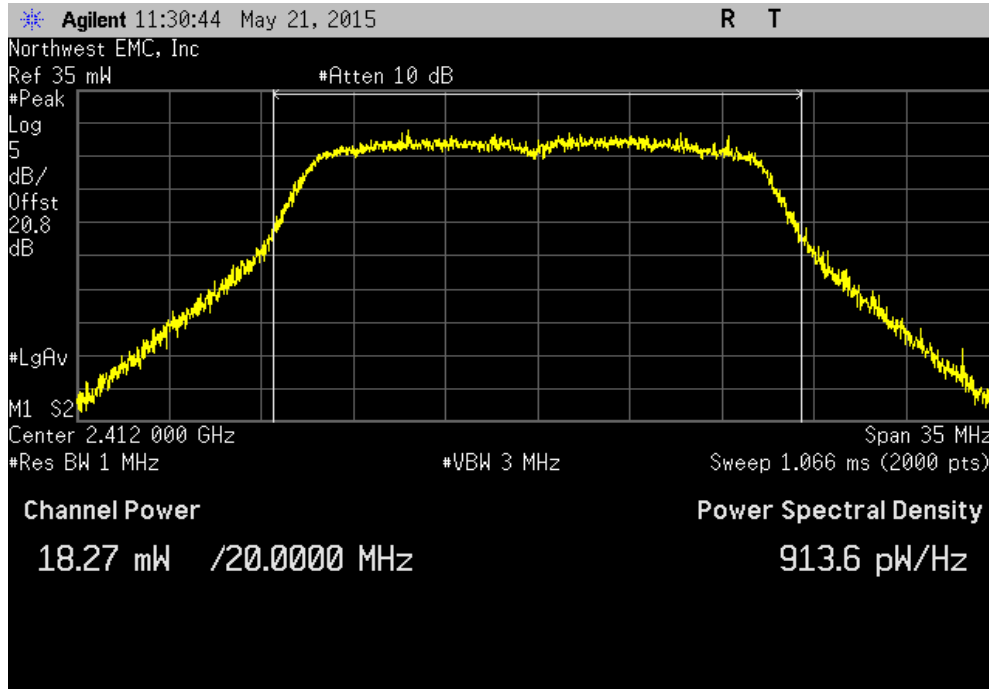


20 MHz, Chain B, 802.11(n) MCS15, High Channel 11, 2462 MHz						
				Value	Limit (<)	Result
				14.654 mW	1 W	Pass

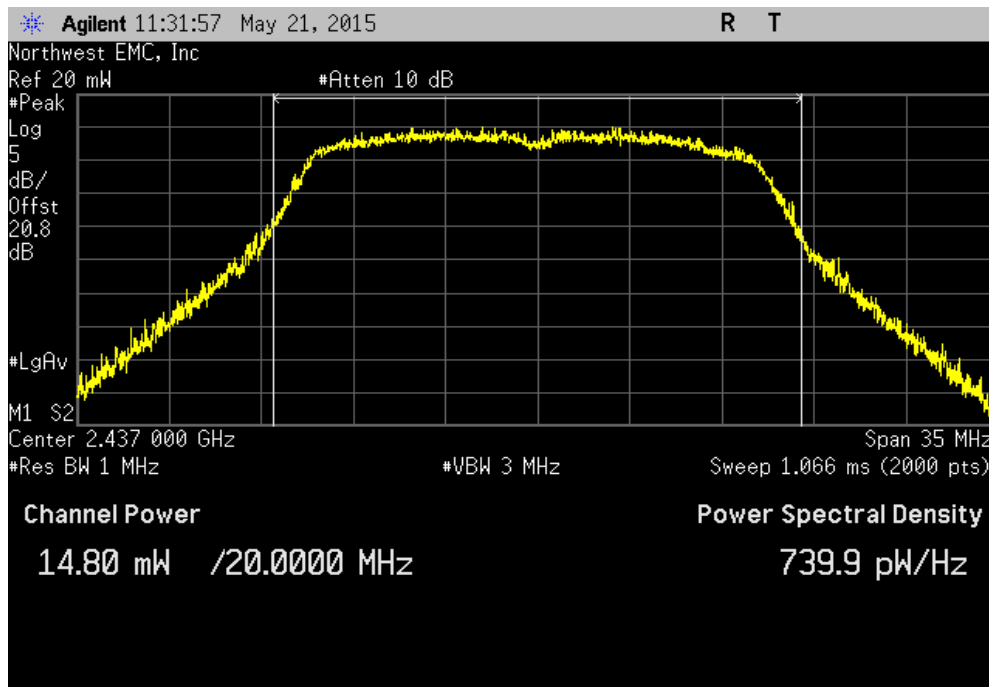


OUTPUT POWER

20 MHz, Chain C, 802.11(n) MCS8, Low Channel 1, 2412 MHz						
				Value	Limit (<)	Result
				18.271 mW	1 W	Pass



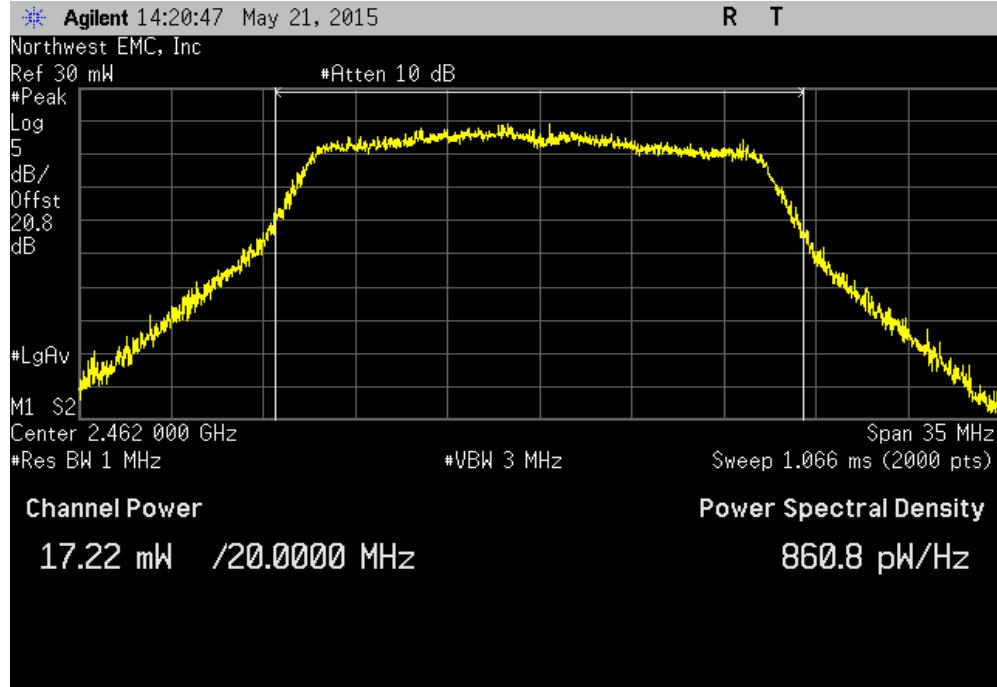
20 MHz, Chain C, 802.11(n) MCS8, Mid Channel 6, 2437 MHz						
				Value	Limit (<)	Result
				14.799 mW	1 W	Pass



OUTPUT POWER

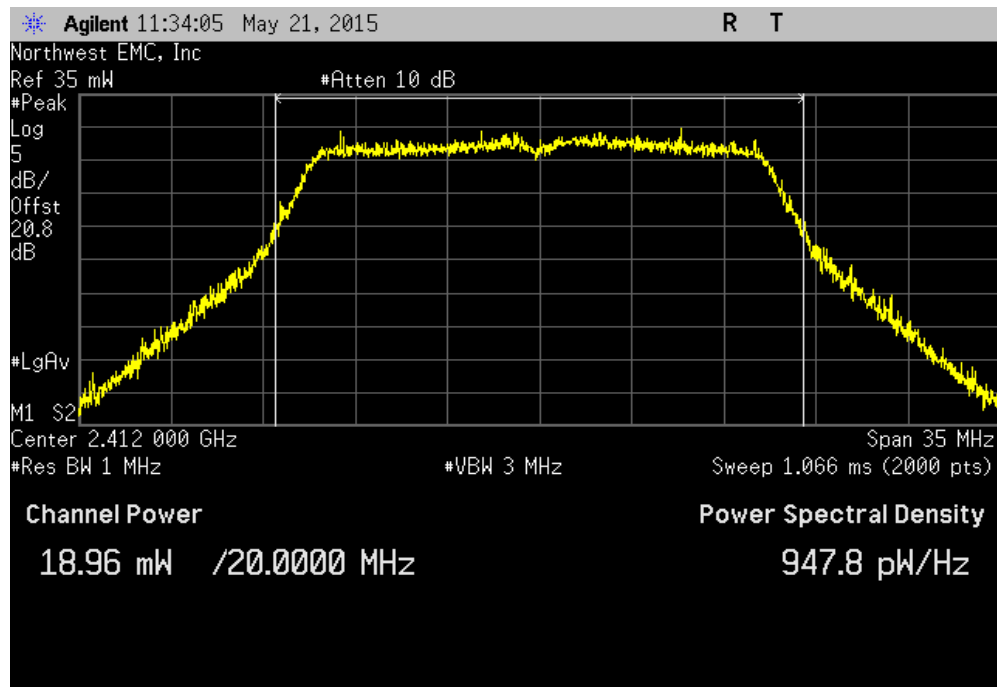
20 MHz, Chain C, 802.11(n) MCS8, High Channel 11, 2462 MHz

	Value	Limit (<)	Result
	17.217 mW	1 W	Pass



20 MHz, Chain C, 802.11(n) MCS15, Low Channel 1, 2412 MHz

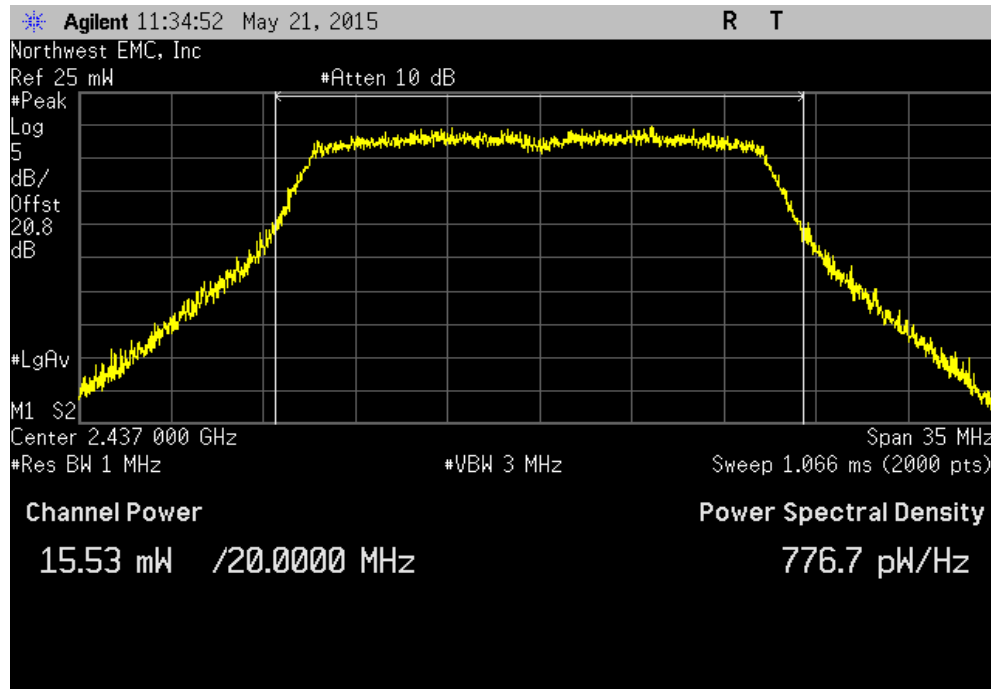
	Value	Limit (<)	Result
	18.955 mW	1 W	Pass



OUTPUT POWER

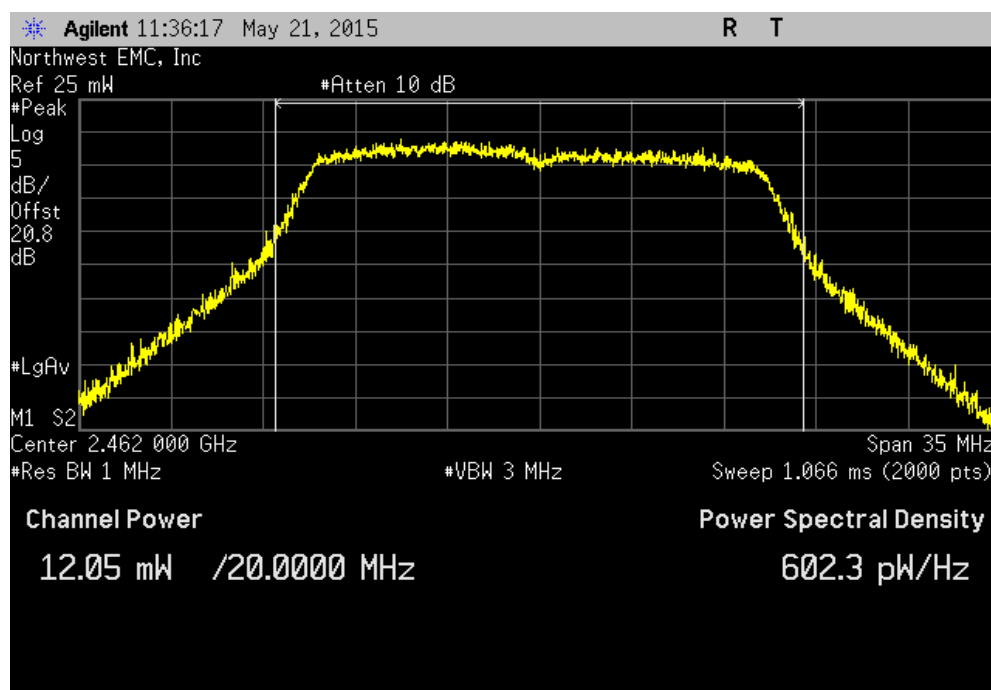
20 MHz, Chain C, 802.11(n) MCS15, Mid Channel 6, 2437 MHz

	Value	Limit (<)	Result
	15.534 mW	1 W	Pass



20 MHz, Chain C, 802.11(n) MCS15, High Channel 11, 2462 MHz

	Value	Limit (<)	Result
	12.046 mW	1 W	Pass

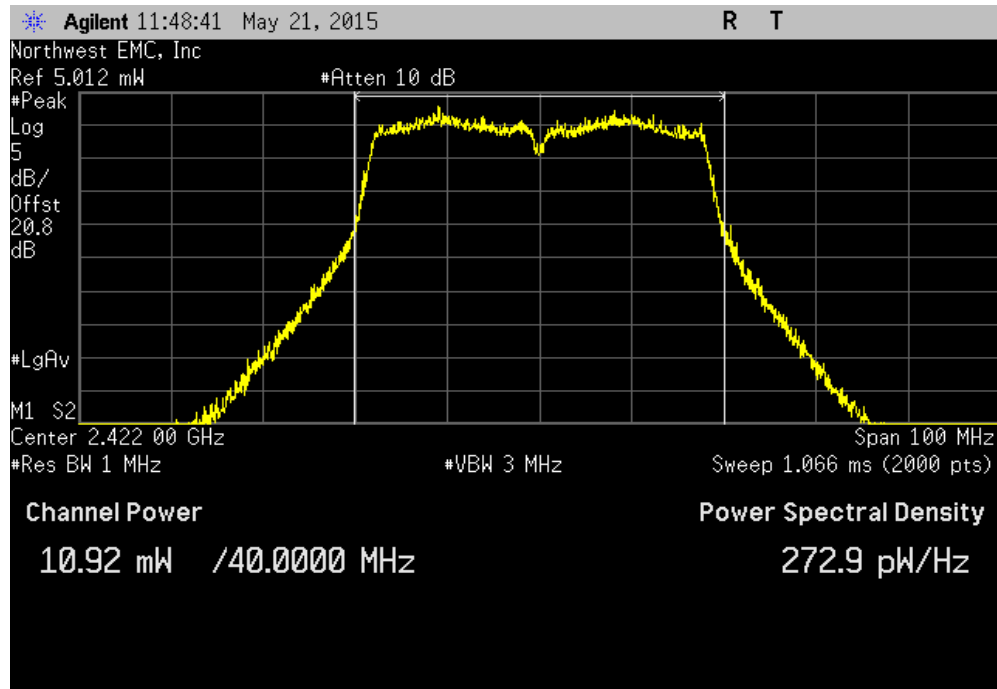


OUTPUT POWER

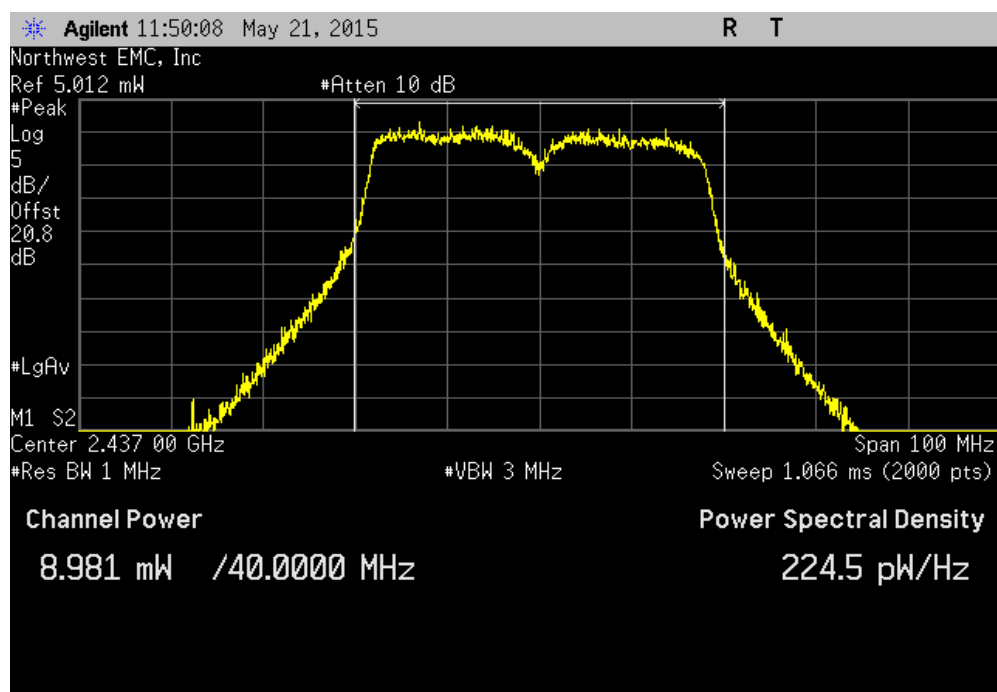
EUT: RLX2-IHNF		Work Order: PROS0222	
Serial Number: 000D8DF095CF		Date: 05/21/15	
Customer: ProSoft Technology, Inc.		Temperature: 25.0°C	
Attendees: None		Humidity: 43%	
Project: None		Barometric Pres.: 1023 mbar	
Tested by: Jonathan Kiefer, Jeremiah Darden		Power: 120V/60Hz	
		Job Site: TX09	
TEST SPECIFICATIONS		Test Method	
FCC 15.247:2015		ANSI C63.10:2009	
COMMENTS			
Offset 20.8 dB (DC Block + 20dB Attenuator + Coax Cable) for 2.4 GHz			
DEVIATIONS FROM TEST STANDARD			
None			
Configuration #	1	Signature 	
		Value	Limit (<) Result
40 MHz			
Chain C			
802.11(n) MCS0			
	Low Channel 1, 2422 MHz	10.918 mW	1 W Pass
	Mid Channel 6, 2437 MHz	8.981 mW	1 W Pass
	High Channel 11, 2452 MHz	8.013 mW	1 W Pass
802.11(n) MCS7			
	Low Channel 1, 2422 MHz	11.153 mW	1 W Pass
	Mid Channel 6, 2437 MHz	9.143 mW	1 W Pass
	High Channel 11, 2452 MHz	8.407 mW	1 W Pass
Chain B			
802.11(n) MCS0			
	Low Channel 1, 2422 MHz	8.412 mW	1 W Pass
	Mid Channel 6, 2437 MHz	8.394 mW	1 W Pass
	High Channel 11, 2452 MHz	8.973 mW	1 W Pass
802.11(n) MCS7			
	Low Channel 1, 2422 MHz	8.732 mW	1 W Pass
	Mid Channel 6, 2437 MHz	8.092 mW	1 W Pass
	High Channel 11, 2452 MHz	7.684 mW	1 W Pass
Chain A			
802.11(n) MCS0			
	Low Channel 1, 2422 MHz	10.941 mW	1 W Pass
	Mid Channel 6, 2437 MHz	10.587 mW	1 W Pass
	High Channel 11, 2452 MHz	11.066 mW	1 W Pass
802.11(n) MCS7			
	Low Channel 1, 2422 MHz	10.845 mW	1 W Pass
	Mid Channel 6, 2437 MHz	10.742 mW	1 W Pass
	High Channel 11, 2452 MHz	12.718 mW	1 W Pass

OUTPUT POWER

40 MHz, Chain C, 802.11(n) MCS0, Low Channel 1, 2422 MHz						
				Value	Limit (<)	Result
				10.918 mW	1 W	Pass

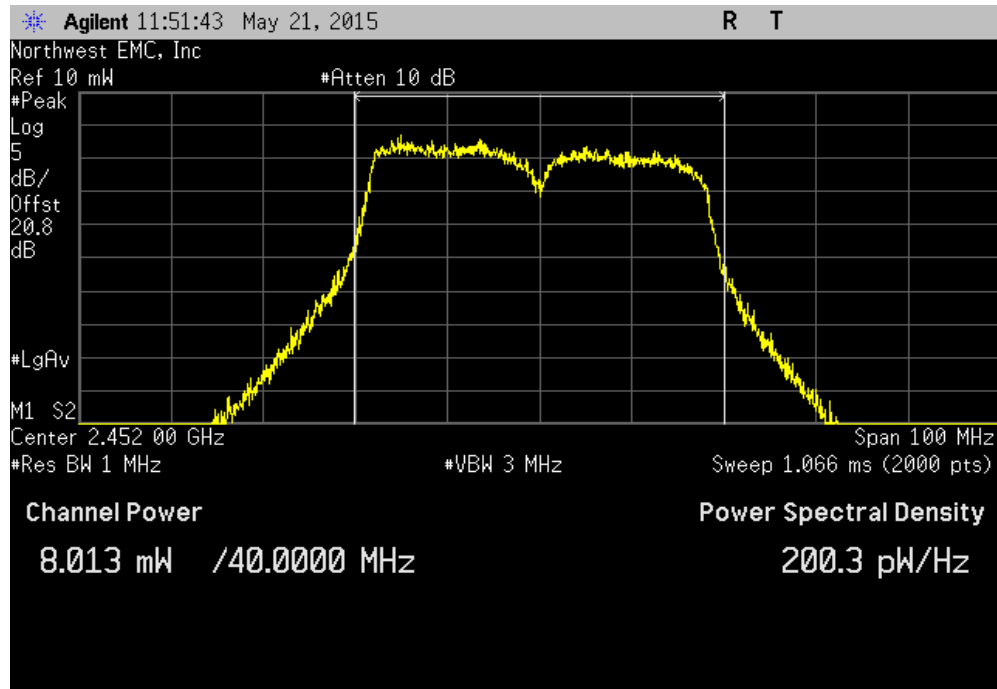


40 MHz, Chain C, 802.11(n) MCS0, Mid Channel 6, 2437 MHz						
				Value	Limit (<)	Result
				8.981 mW	1 W	Pass

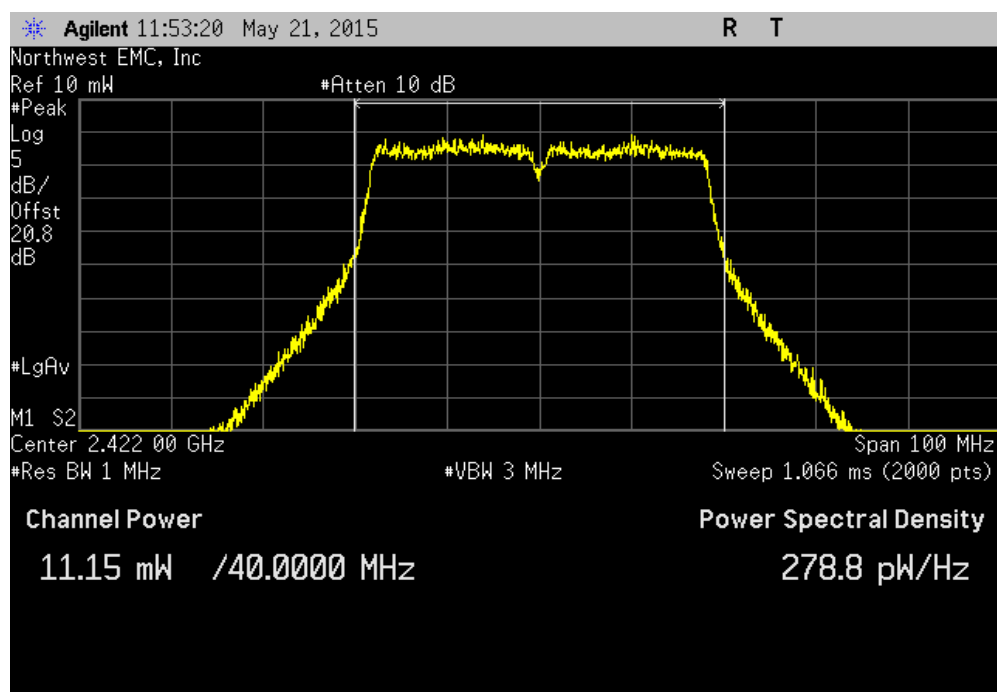


OUTPUT POWER

40 MHz, Chain C, 802.11(n) MCS0, High Channel 11, 2452 MHz						
				Value	Limit (<)	Result
				8.013 mW	1 W	Pass

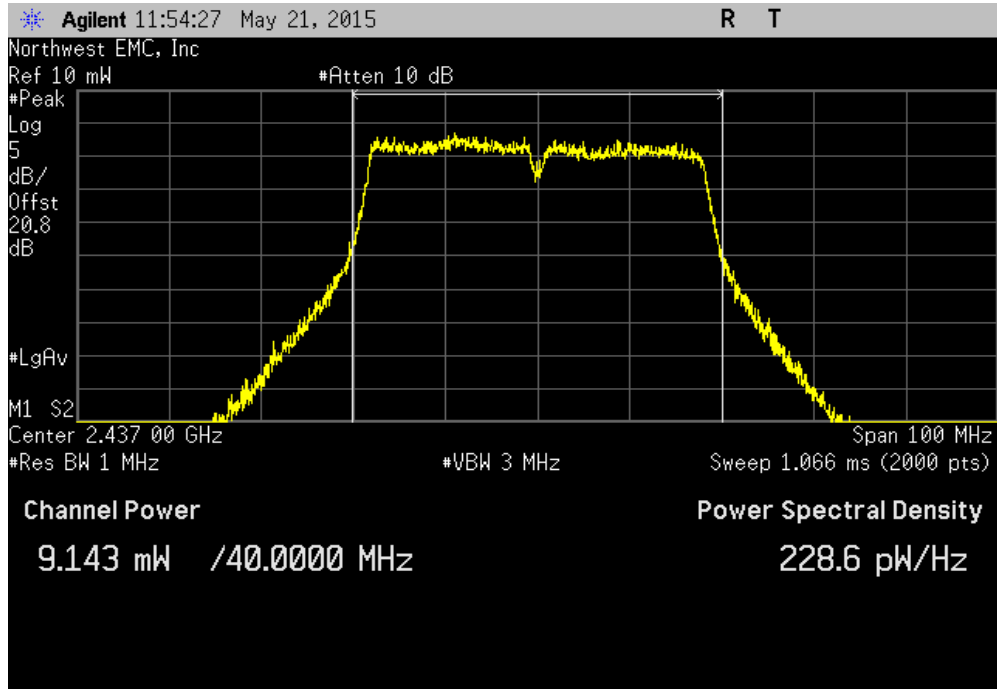


40 MHz, Chain C, 802.11(n) MCS7, Low Channel 1, 2422 MHz						
				Value	Limit (<)	Result
				11.153 mW	1 W	Pass

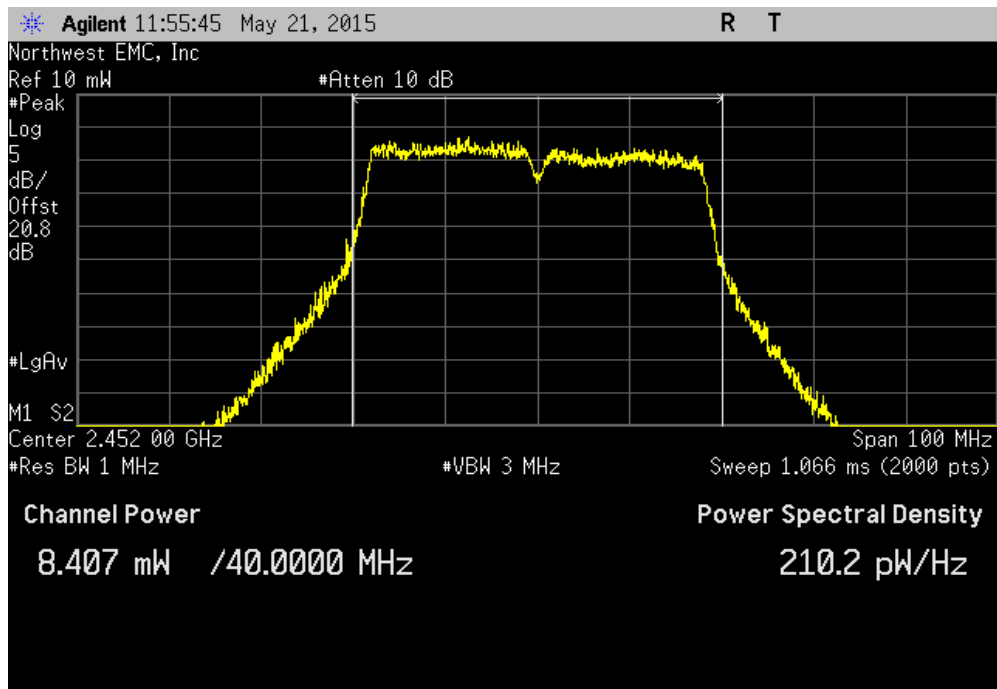


OUTPUT POWER

40 MHz, Chain C, 802.11(n) MCS7, Mid Channel 6, 2437 MHz						
				Value	Limit (<)	Result
				9.143 mW	1 W	Pass

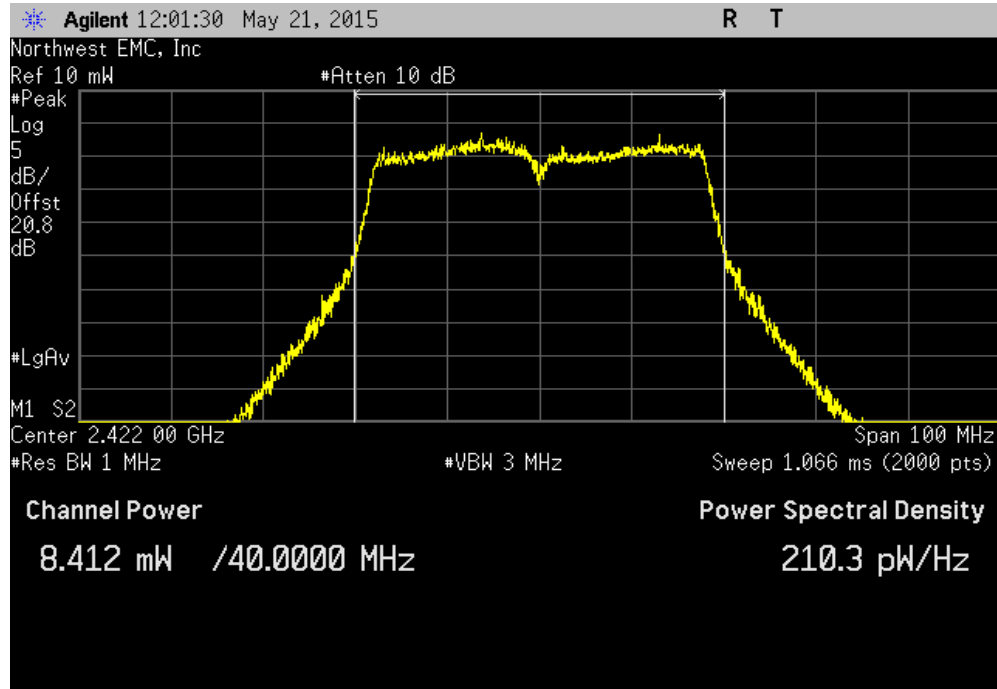


40 MHz, Chain C, 802.11(n) MCS7, High Channel 11, 2452 MHz						
				Value	Limit (<)	Result
				8.407 mW	1 W	Pass

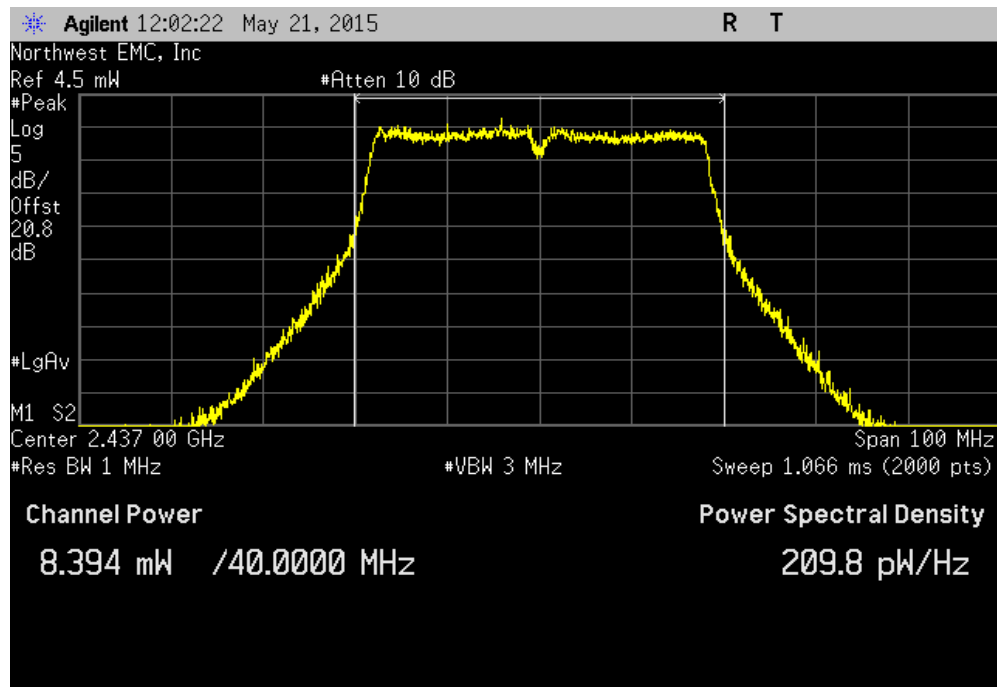


OUTPUT POWER

40 MHz, Chain B, 802.11(n) MCS0, Low Channel 1, 2422 MHz						
				Value	Limit (<)	Result
				8.412 mW	1 W	Pass

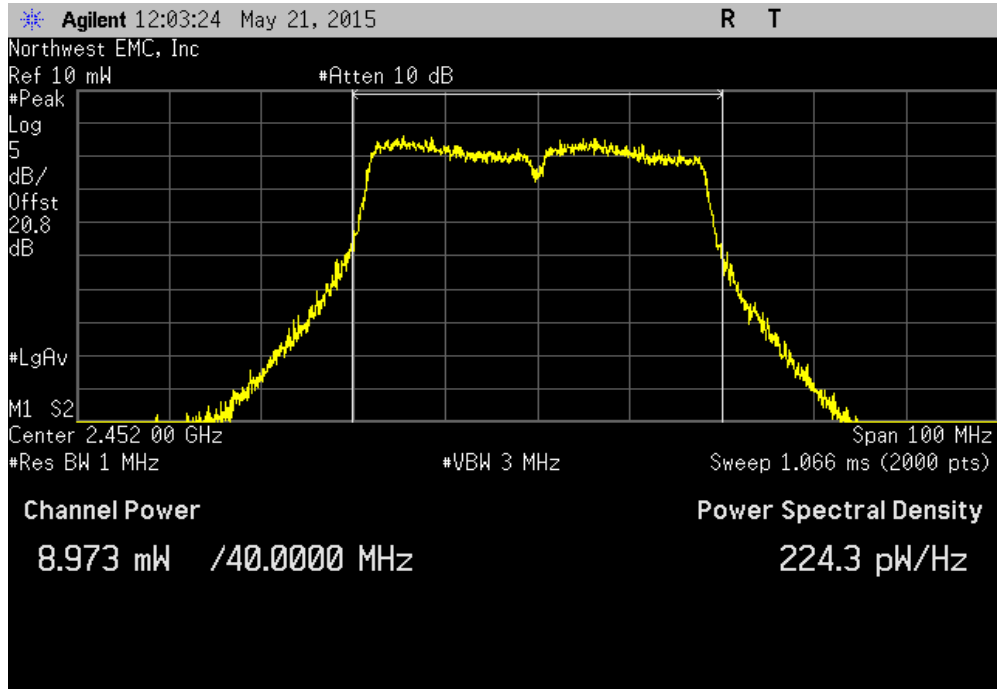


40 MHz, Chain B, 802.11(n) MCS0, Mid Channel 6, 2437 MHz						
				Value	Limit (<)	Result
				8.394 mW	1 W	Pass

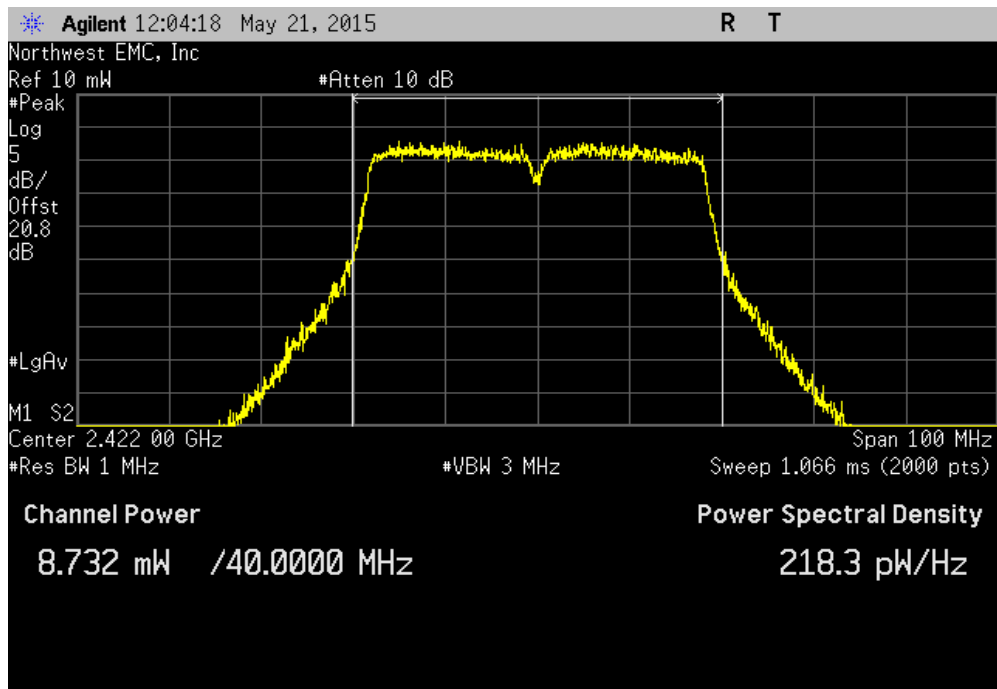


OUTPUT POWER

40 MHz, Chain B, 802.11(n) MCS0, High Channel 11, 2452 MHz						
				Value	Limit (<)	Result
				8.973 mW	1 W	Pass

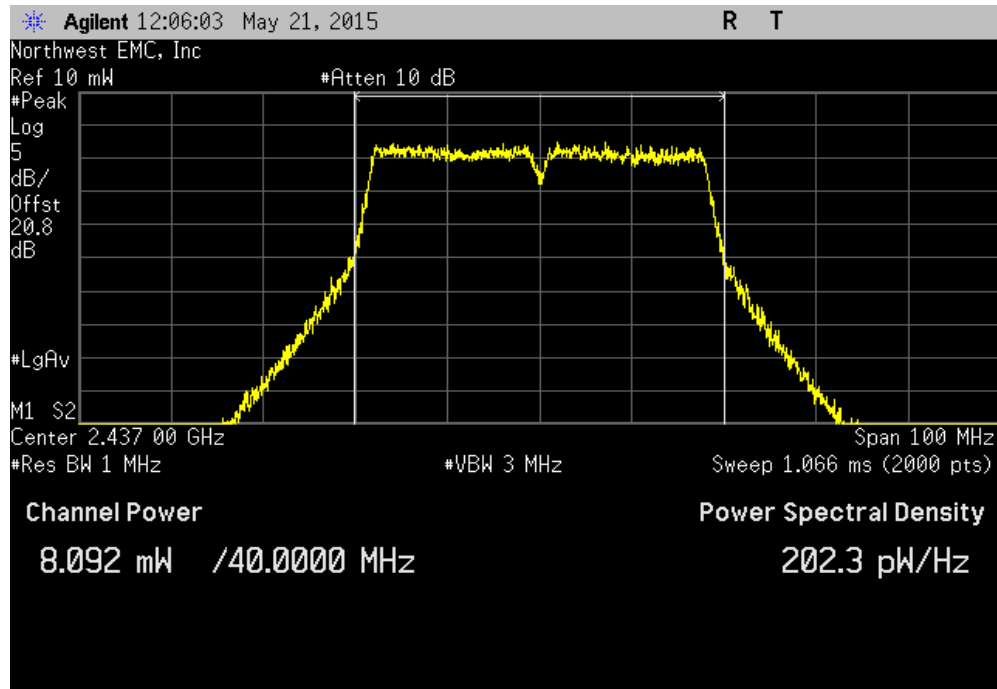


40 MHz, Chain B, 802.11(n) MCS7, Low Channel 1, 2422 MHz						
				Value	Limit (<)	Result
				8.732 mW	1 W	Pass

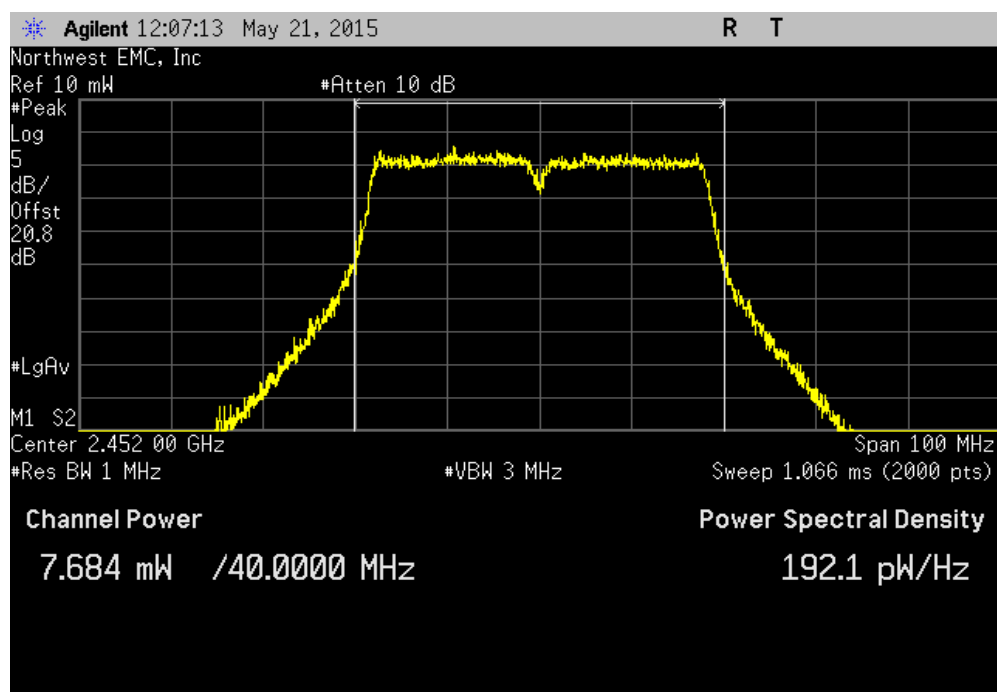


OUTPUT POWER

40 MHz, Chain B, 802.11(n) MCS7, Mid Channel 6, 2437 MHz						
				Value	Limit (<)	Result
				8.092 mW	1 W	Pass

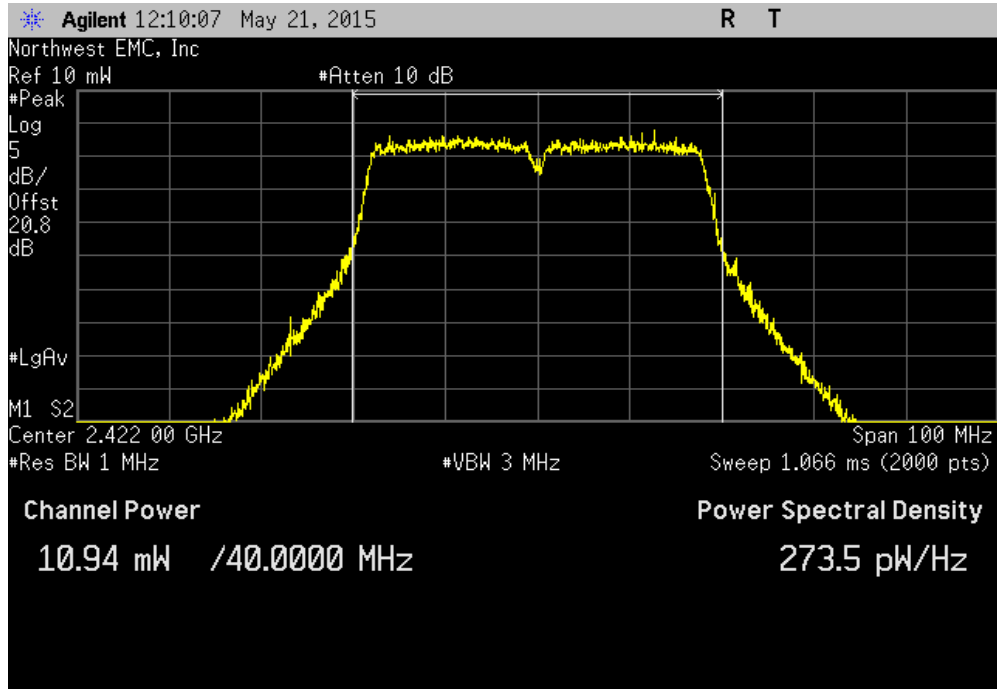


40 MHz, Chain B, 802.11(n) MCS7, High Channel 11, 2452 MHz						
				Value	Limit (<)	Result
				7.684 mW	1 W	Pass

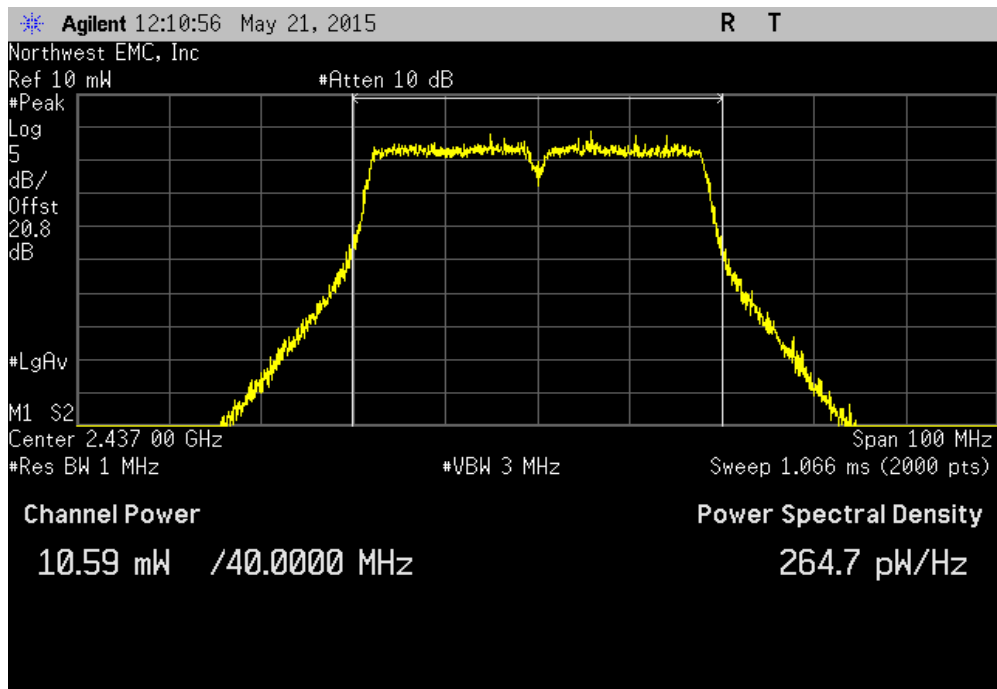


OUTPUT POWER

40 MHz, Chain A, 802.11(n) MCS0, Low Channel 1, 2422 MHz						
				Value	Limit (<)	Result
				10.941 mW	1 W	Pass

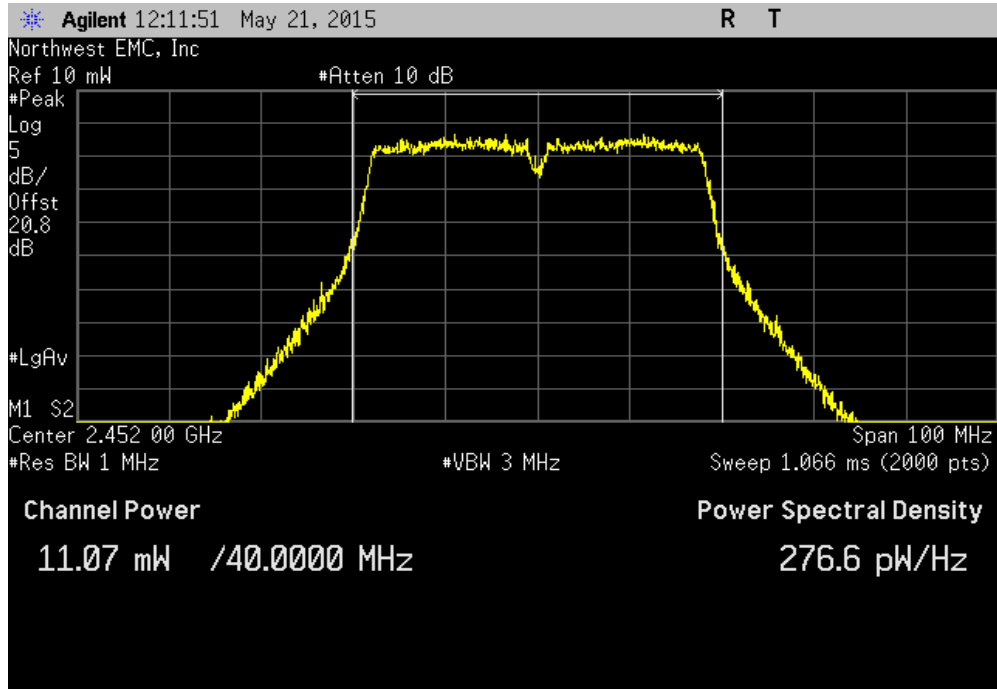


40 MHz, Chain A, 802.11(n) MCS0, Mid Channel 6, 2437 MHz						
				Value	Limit (<)	Result
				10.587 mW	1 W	Pass

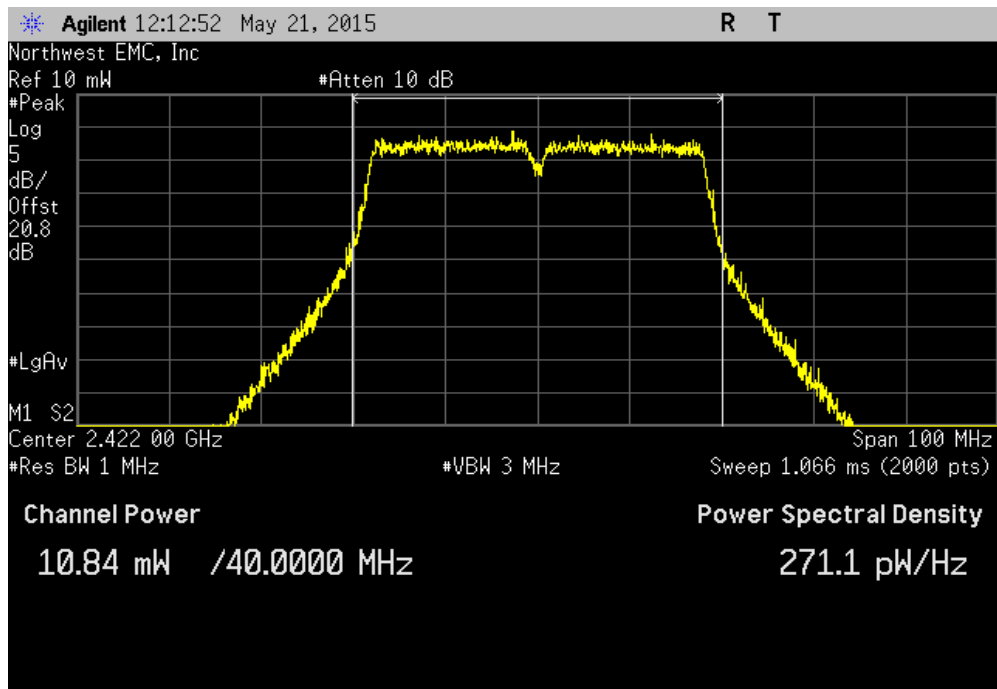


OUTPUT POWER

40 MHz, Chain A, 802.11(n) MCS0, High Channel 11, 2452 MHz						
				Value	Limit (<)	Result
				11.066 mW	1 W	Pass

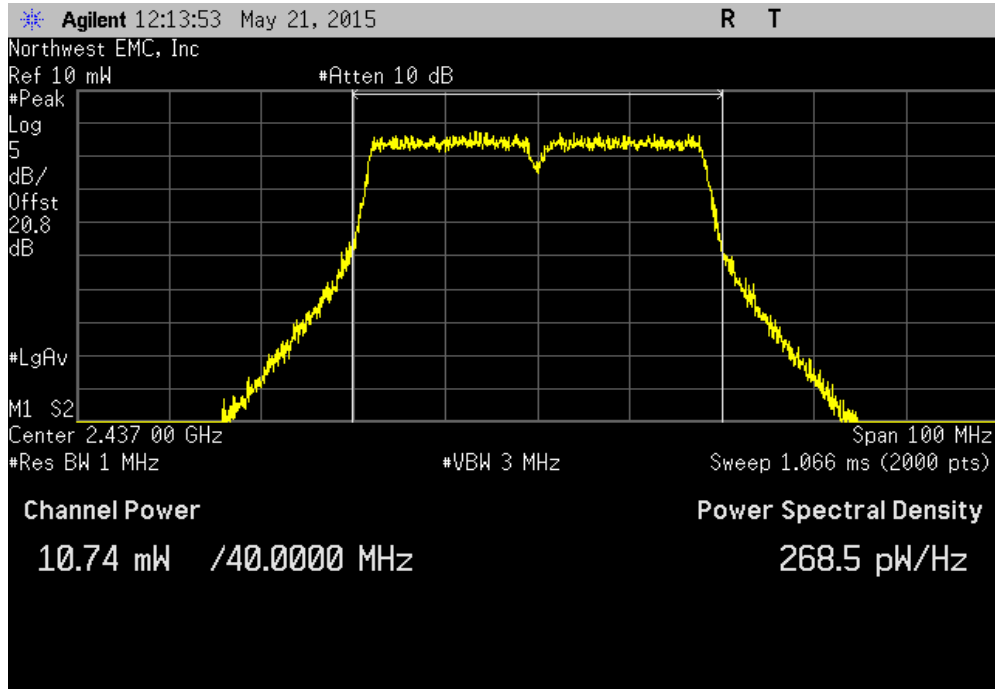


40 MHz, Chain A, 802.11(n) MCS7, Low Channel 1, 2422 MHz						
				Value	Limit (<)	Result
				10.845 mW	1 W	Pass

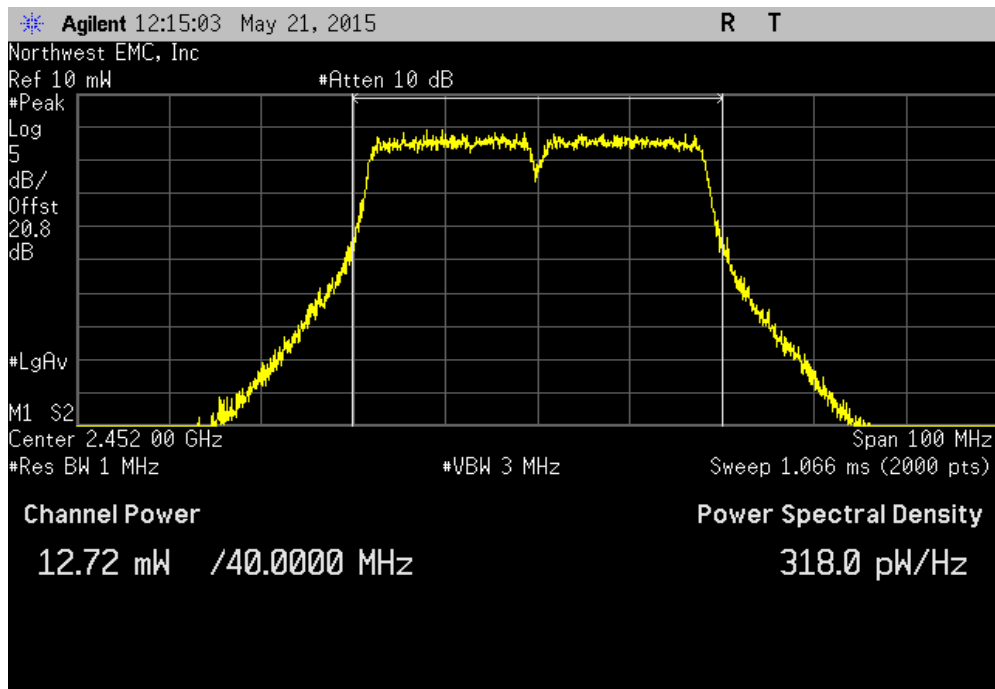


OUTPUT POWER

40 MHz, Chain A, 802.11(n) MCS7, Mid Channel 6, 2437 MHz						
				Value	Limit (<)	Result
				10.742 mW	1 W	Pass



40 MHz, Chain A, 802.11(n) MCS7, High Channel 11, 2452 MHz						
				Value	Limit (<)	Result
				12.718 mW	1 W	Pass

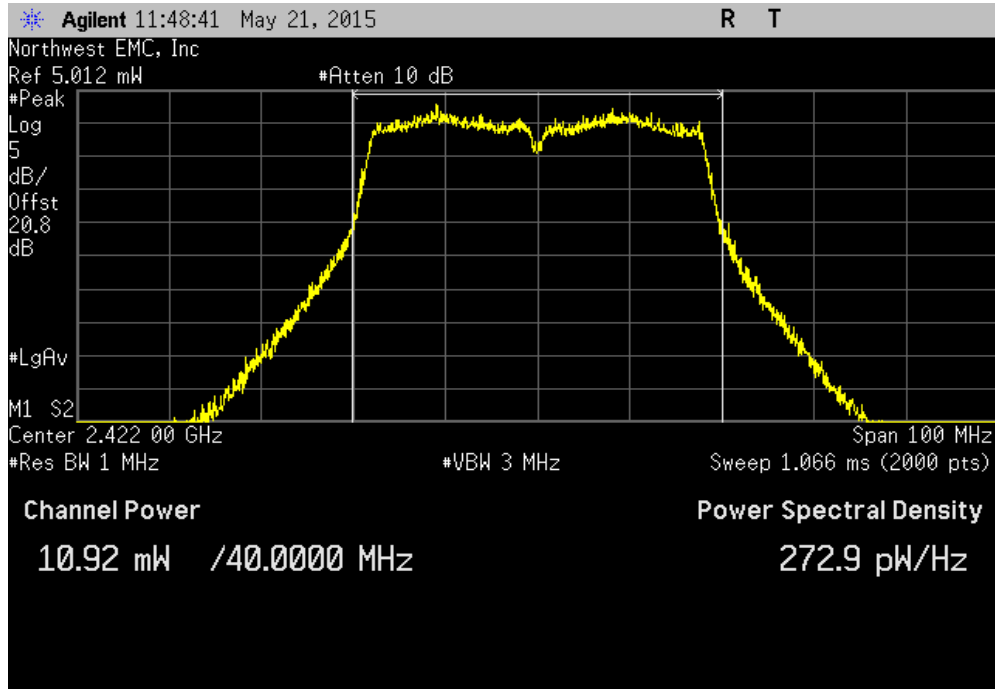


OUTPUT POWER

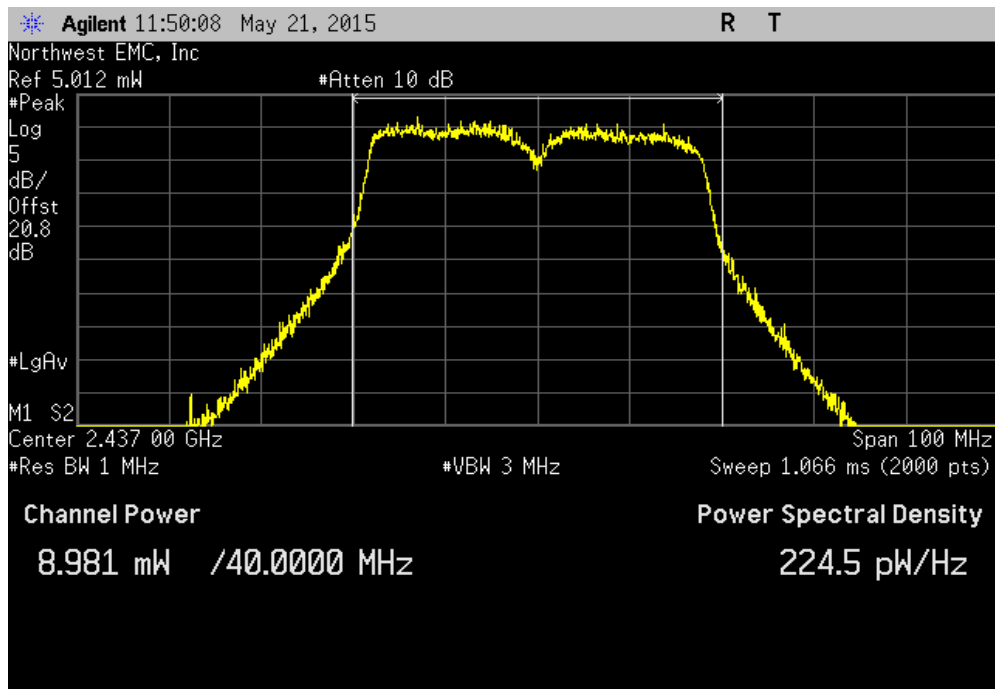
EUT: RLX2-IHNF			Work Order: PROS0222				
Serial Number: 000D8DF095CF			Date: 05/21/15				
Customer: ProSoft Technology, Inc.			Temperature: 25.0°C				
Attendees: None			Humidity: 43%				
Project: None			Barometric Pres.: 1023 mbar				
Tested by: Jonathan Kiefer, Jeremiah Darden		Power: 110VAC/60Hz	Job Site: TX09				
TEST SPECIFICATIONS		Test Method					
FCC 15.247:2015		ANSI C63.10:2009					
COMMENTS							
Offset 20.8 dB (DC Block + 20dB Attenuator + Coax Cable) for 2.4 GHz							
DEVIATIONS FROM TEST STANDARD							
None							
Configuration #	1	Signature 					
			Value	Limit (<)	Result		
40 MHz							
Chain C							
802.11(n) MCS8							
Low Channel 1, 2422 MHz			10.918 mW	1 W	Pass		
Mid Channel 6, 2437 MHz			8.981 mW	1 W	Pass		
High Channel 11, 2452 MHz			8.013 mW	1 W	Pass		
802.11(n) MCS15							
Low Channel 1, 2422 MHz			11.153 mW	1 W	Pass		
Mid Channel 6, 2437 MHz			9.143 mW	1 W	Pass		
High Channel 11, 2452 MHz			8.407 mW	1 W	Pass		
Chain B							
802.11(n) MCS8							
Low Channel 1, 2422 MHz			8.412 mW	1 W	Pass		
Mid Channel 6, 2437 MHz			8.394 mW	1 W	Pass		
High Channel 11, 2452 MHz			8.973 mW	1 W	Pass		
802.11(n) MCS15							
Low Channel 1, 2422 MHz			8.732 mW	1 W	Pass		
Mid Channel 6, 2437 MHz			8.092 mW	1 W	Pass		
High Channel 11, 2452 MHz			7.684 mW	1 W	Pass		
Chain A							
802.11(n) MCS8							
Low Channel 1, 2422 MHz			10.941 mW	1 W	Pass		
Mid Channel 6, 2437 MHz			10.587 mW	1 W	Pass		
High Channel 11, 2452 MHz			11.066 mW	1 W	Pass		
802.11(n) MCS15							
Low Channel 1, 2422 MHz			10.845 mW	1 W	Pass		
Mid Channel 6, 2437 MHz			10.742 mW	1 W	Pass		
High Channel 11, 2452 MHz			12.718 mW	1 W	Pass		
Power Summing, 40 MHz							
Chain AB							
			Chain A (mW)	Chain B (mW)	Summed Power (dBm)	Limit (dBm)	Result
802.11(n) MCS8			10.941	8.412	12.86748297	30	Pass
Low Channel 1, 2422 MHz			10.587	8.394	12.78319089	30	Pass
Mid Channel 6, 2437 MHz			11.066	8.973	13.01876045	30	Pass
High Channel 11, 2452 MHz							
802.11(n) MCS15							
Low Channel 1, 2422 MHz			10.845	8.732	12.91746141	30	Pass
Mid Channel 6, 2437 MHz			10.742	8.092	12.74942566	30	Pass
High Channel 11, 2452 MHz			12.718	7.684	13.09672743	30	Pass
Power Summing, 40 MHz							
Chain AC							
			Chain A (mW)	Chain C (mW)	Summed Power (dBm)	Limit (dBm)	Result
802.11(n) MCS8			10.941	10.918	13.3963029	30	Pass
Low Channel 1, 2422 MHz			10.587	8.981	12.9154644	30	Pass
Mid Channel 6, 2437 MHz			11.066	8.013	12.80555608	30	Pass
High Channel 11, 2452 MHz							
802.11(n) MCS15							
Low Channel 1, 2422 MHz			10.845	11.153	13.42383198	30	Pass
Mid Channel 6, 2437 MHz			10.742	9.143	12.98525595	30	Pass
High Channel 11, 2452 MHz			12.718	8.407	13.24796718	30	Pass
Power Summing, 40 MHz							
Chain BC							
			Chain B (mW)	Chain C (mW)	Summed Power (dBm)	Limit (dBm)	Result
802.11(n) MCS8			8.412	10.918	12.86231854	30	Pass
Low Channel 1, 2422 MHz			8.394	8.981	12.39924813	30	Pass
Mid Channel 6, 2437 MHz			8.973	8.013	12.3009112	30	Pass
High Channel 11, 2452 MHz							
802.11(n) MCS15							
Low Channel 1, 2422 MHz			8.732	11.153	12.98525595	30	Pass
Mid Channel 6, 2437 MHz			8.092	9.143	12.36411288	30	Pass
High Channel 11, 2452 MHz			7.684	8.407	12.06583035	30	Pass

OUTPUT POWER

40 MHz, Chain C, 802.11(n) MCS8, Low Channel 1, 2422 MHz						
				Value	Limit (<)	Result
				10.918 mW	1 W	Pass

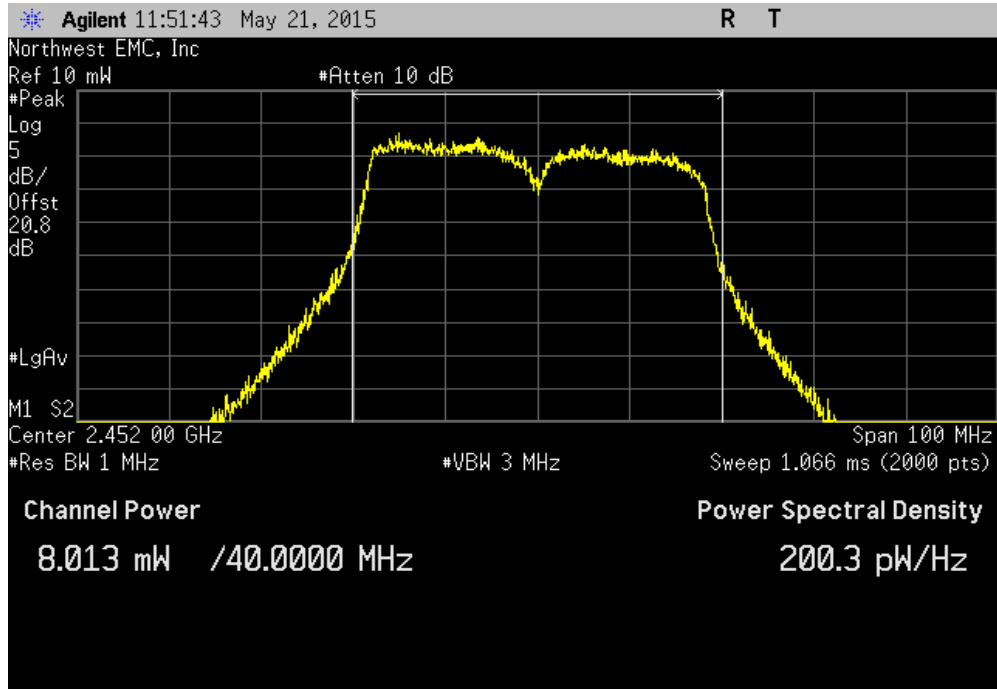


40 MHz, Chain C, 802.11(n) MCS8, Mid Channel 6, 2437 MHz						
				Value	Limit (<)	Result
				8.981 mW	1 W	Pass

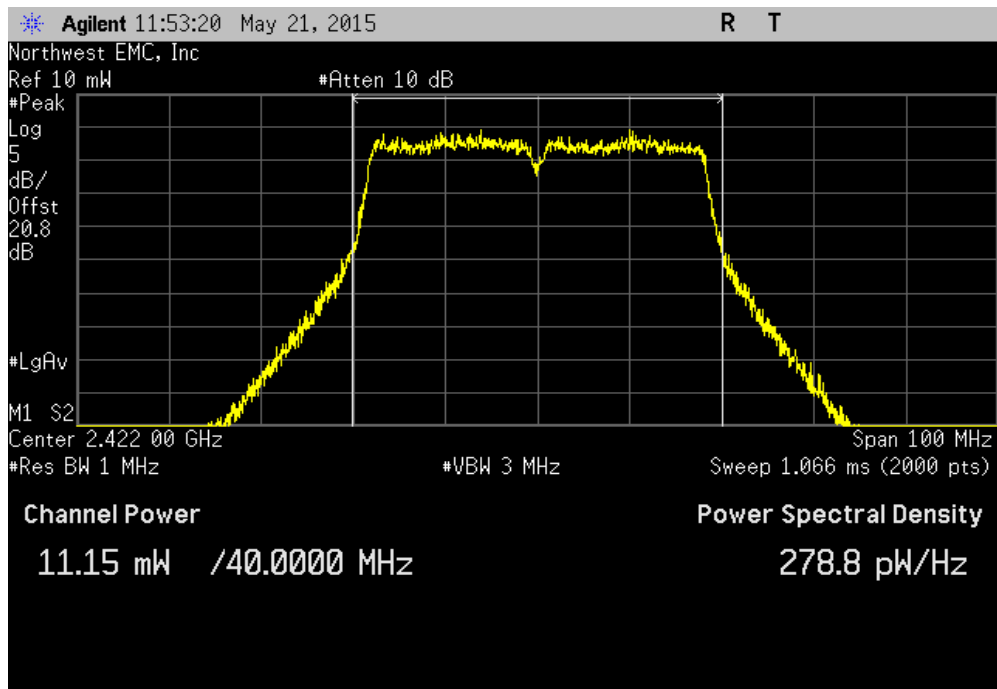


OUTPUT POWER

40 MHz, Chain C, 802.11(n) MCS8, High Channel 11, 2452 MHz						
				Value	Limit (<)	Result
				8.013 mW	1 W	Pass

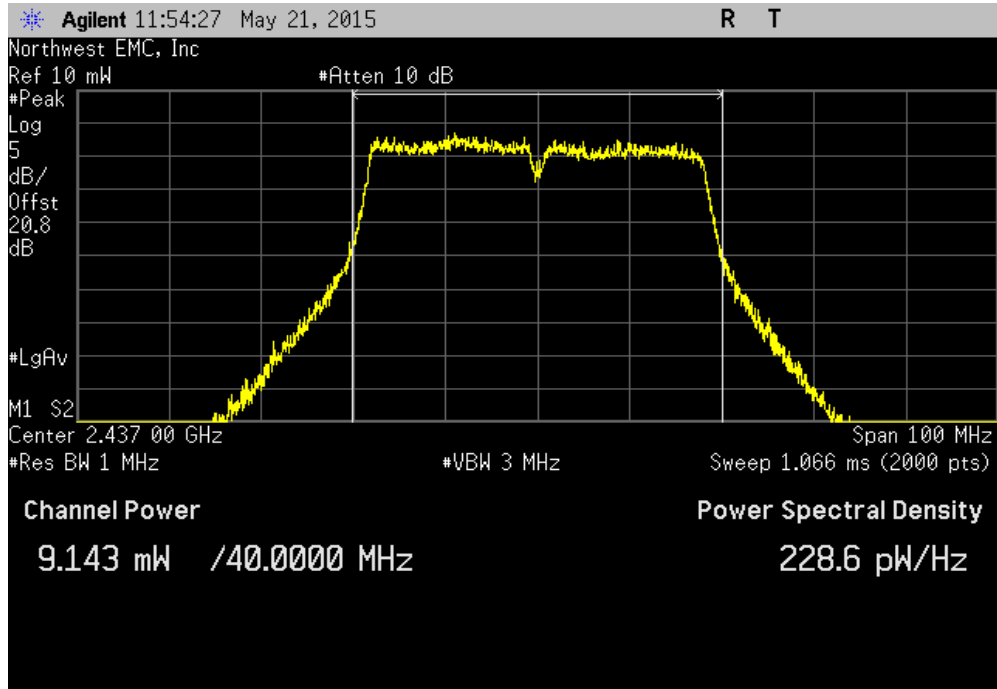


40 MHz, Chain C, 802.11(n) MCS15, Low Channel 1, 2422 MHz						
				Value	Limit (<)	Result
				11.153 mW	1 W	Pass

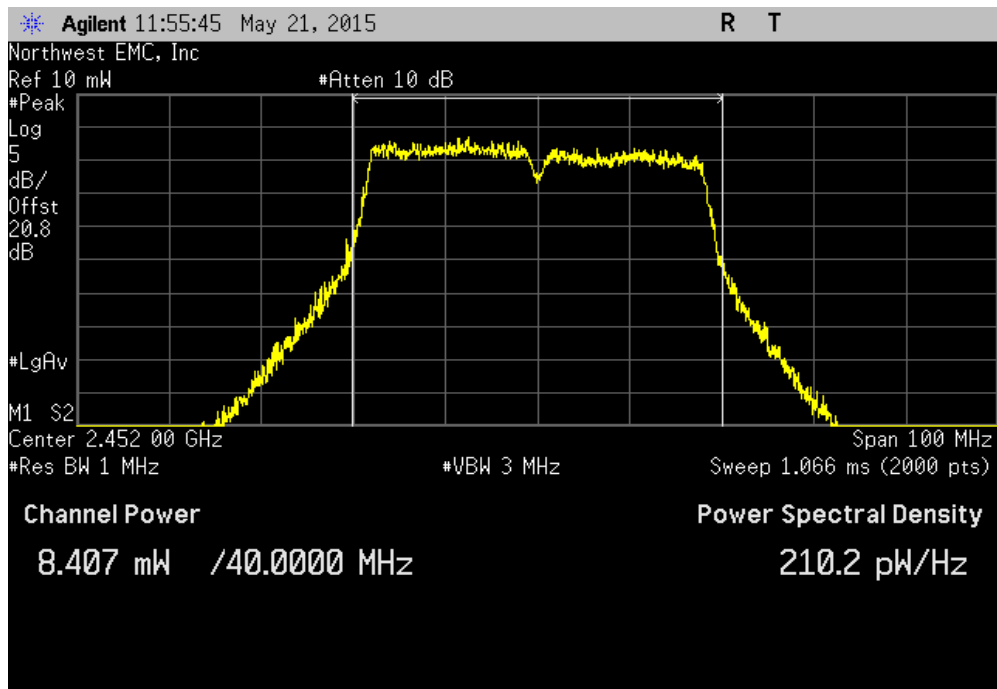


OUTPUT POWER

40 MHz, Chain C, 802.11(n) MCS15, Mid Channel 6, 2437 MHz						
				Value	Limit (<)	Result
				9.143 mW	1 W	Pass

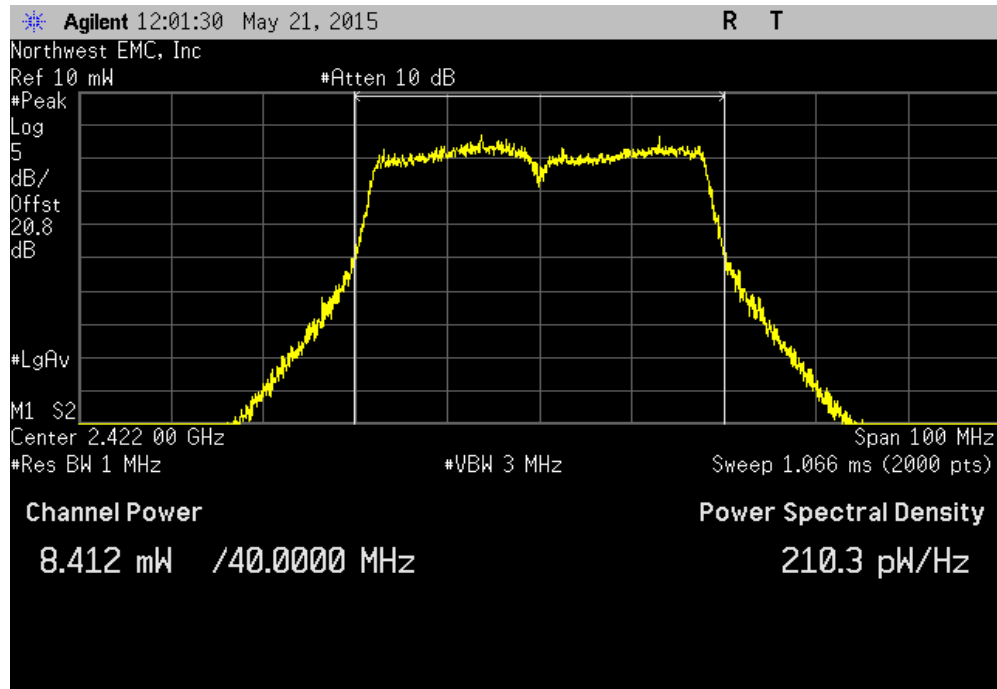


40 MHz, Chain C, 802.11(n) MCS15, High Channel 11, 2452 MHz						
				Value	Limit (<)	Result
				8.407 mW	1 W	Pass

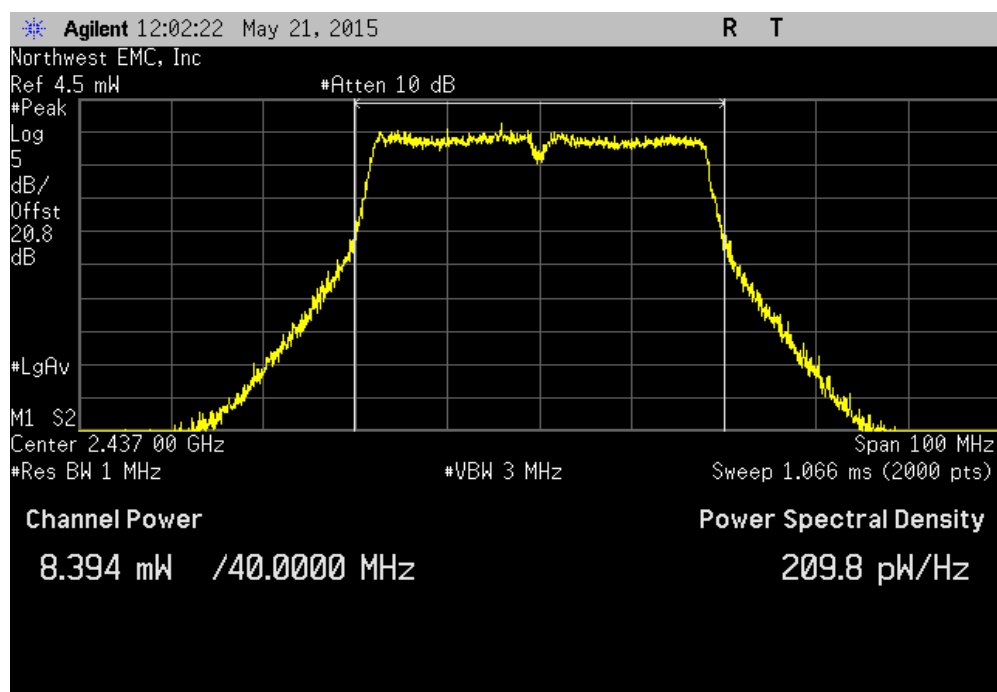


OUTPUT POWER

40 MHz, Chain B, 802.11(n) MCS8, Low Channel 1, 2422 MHz						
				Value	Limit (<)	Result
				8.412 mW	1 W	Pass

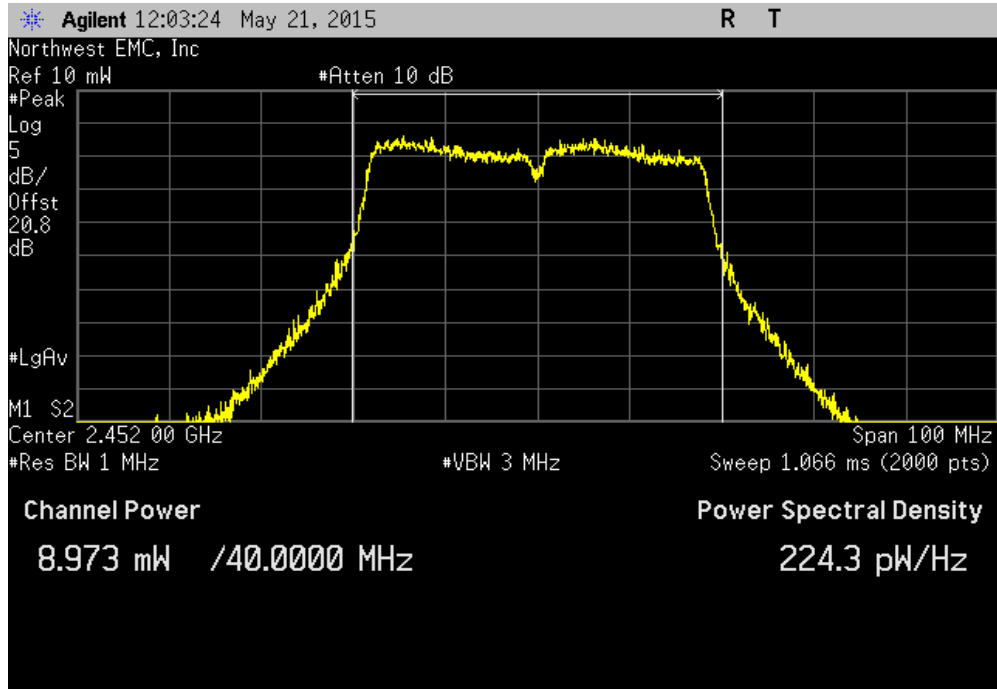


40 MHz, Chain B, 802.11(n) MCS8, Mid Channel 6, 2437 MHz						
				Value	Limit (<)	Result
				8.394 mW	1 W	Pass

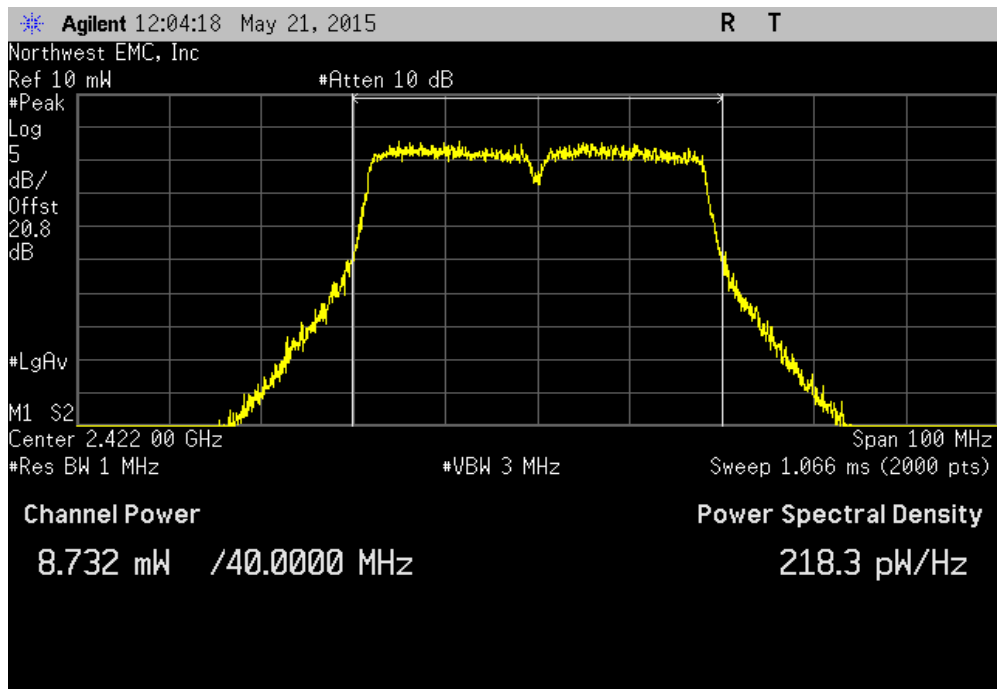


OUTPUT POWER

40 MHz, Chain B, 802.11(n) MCS8, High Channel 11, 2452 MHz						
				Value	Limit (<)	Result
				8.973 mW	1 W	Pass

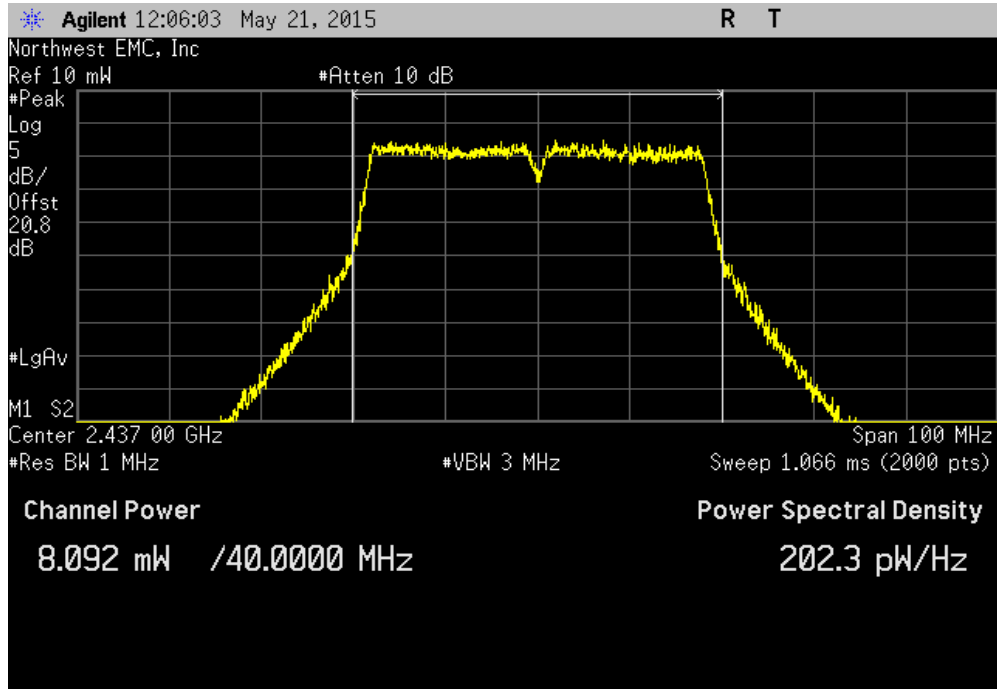


40 MHz, Chain B, 802.11(n) MCS15, Low Channel 1, 2422 MHz						
				Value	Limit (<)	Result
				8.732 mW	1 W	Pass

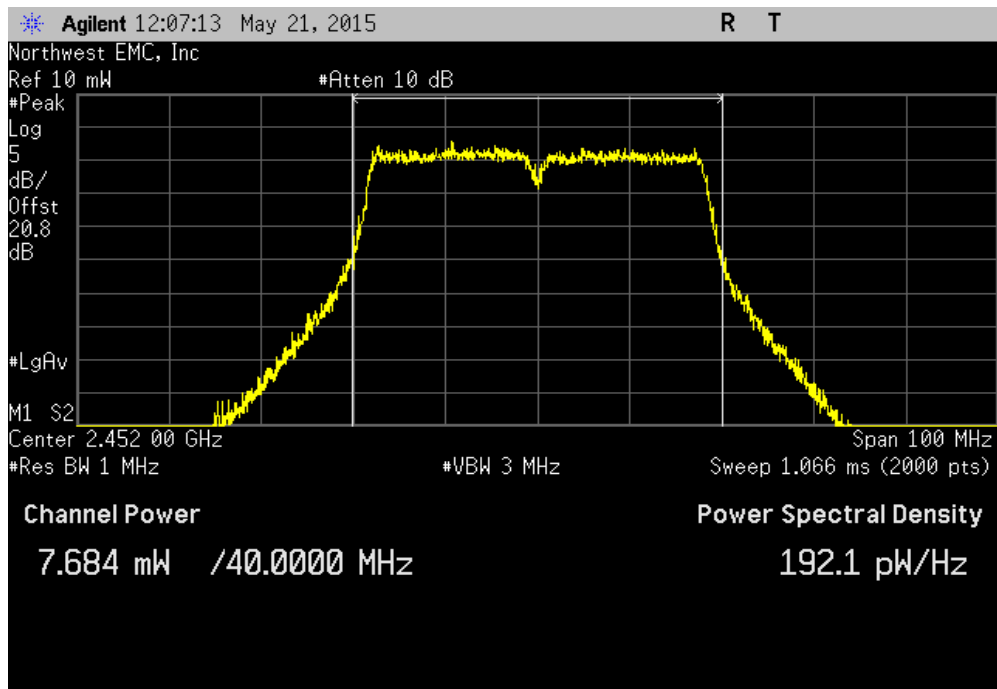


OUTPUT POWER

40 MHz, Chain B, 802.11(n) MCS15, Mid Channel 6, 2437 MHz						
				Value	Limit (<)	Result
				8.092 mW	1 W	Pass

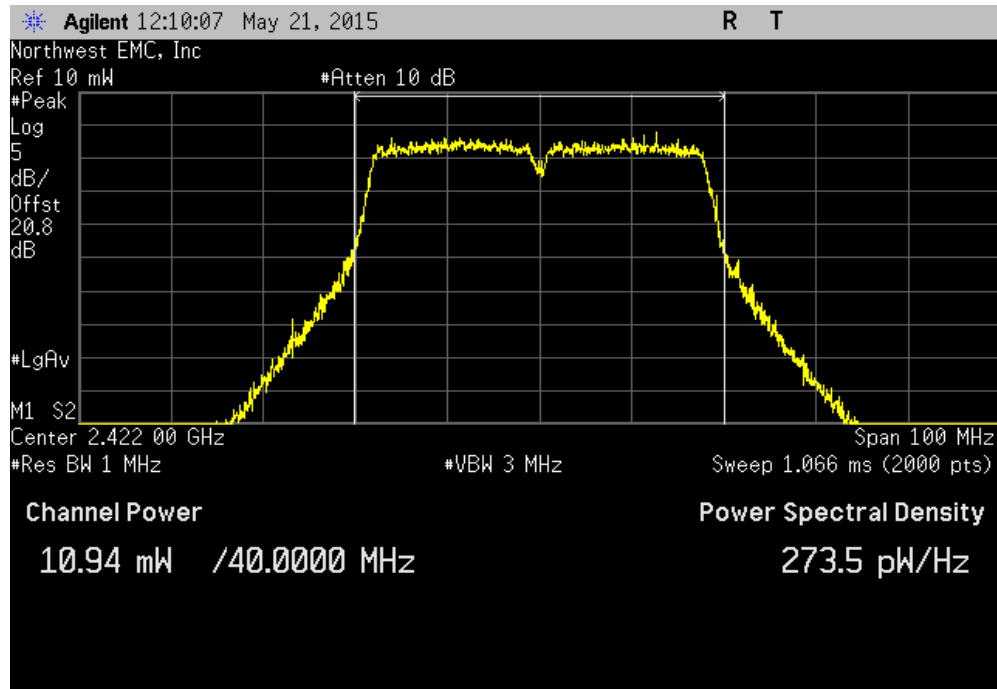


40 MHz, Chain B, 802.11(n) MCS15, High Channel 11, 2452 MHz						
				Value	Limit (<)	Result
				7.684 mW	1 W	Pass

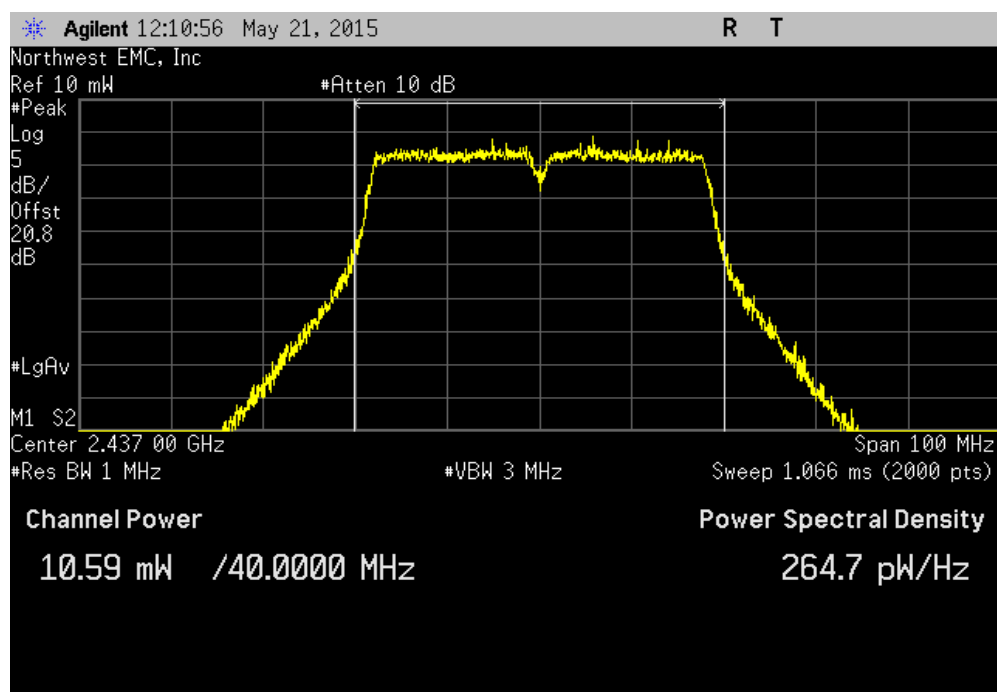


OUTPUT POWER

40 MHz, Chain A, 802.11(n) MCS8, Low Channel 1, 2422 MHz						
				Value	Limit (<)	Result
				10.941 mW	1 W	Pass

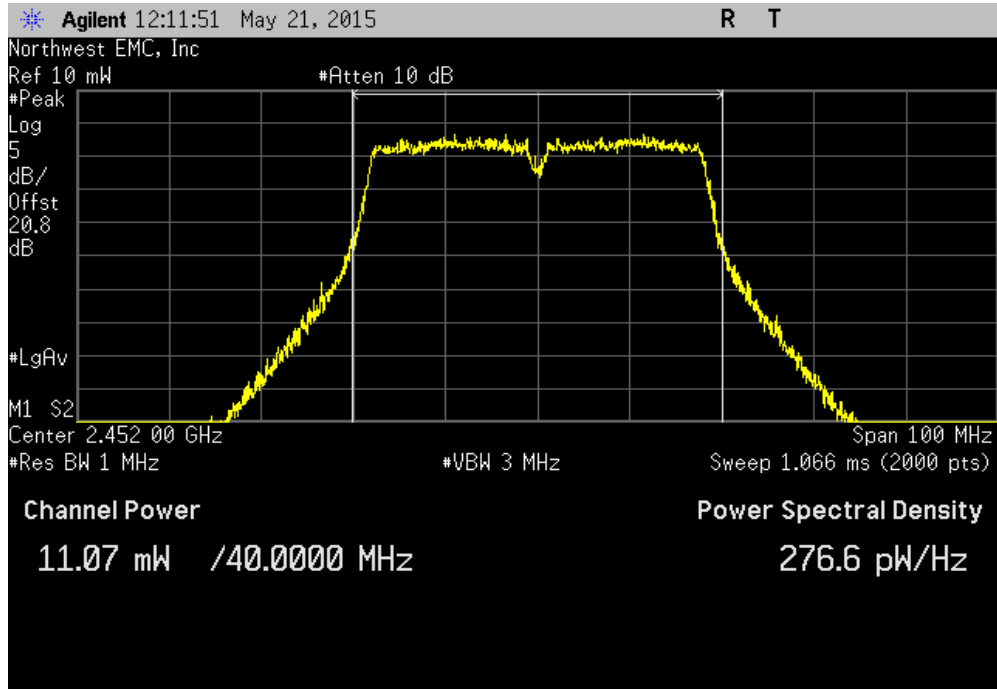


40 MHz, Chain A, 802.11(n) MCS8, Mid Channel 6, 2437 MHz						
				Value	Limit (<)	Result
				10.587 mW	1 W	Pass

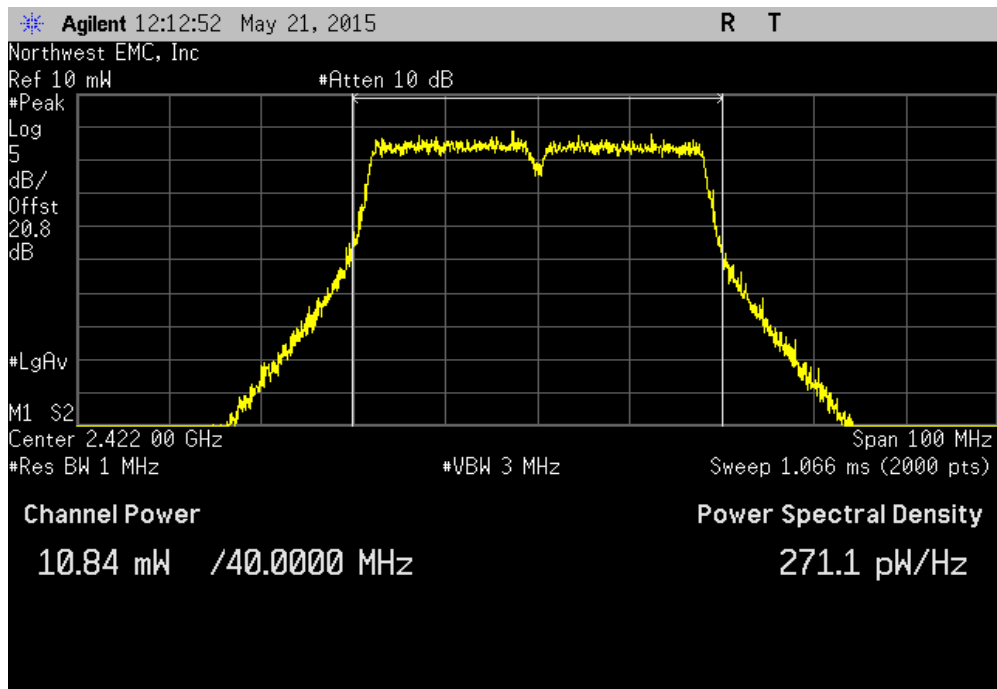


OUTPUT POWER

40 MHz, Chain A, 802.11(n) MCS8, High Channel 11, 2452 MHz						
				Value	Limit (<)	Result
				11.066 mW	1 W	Pass

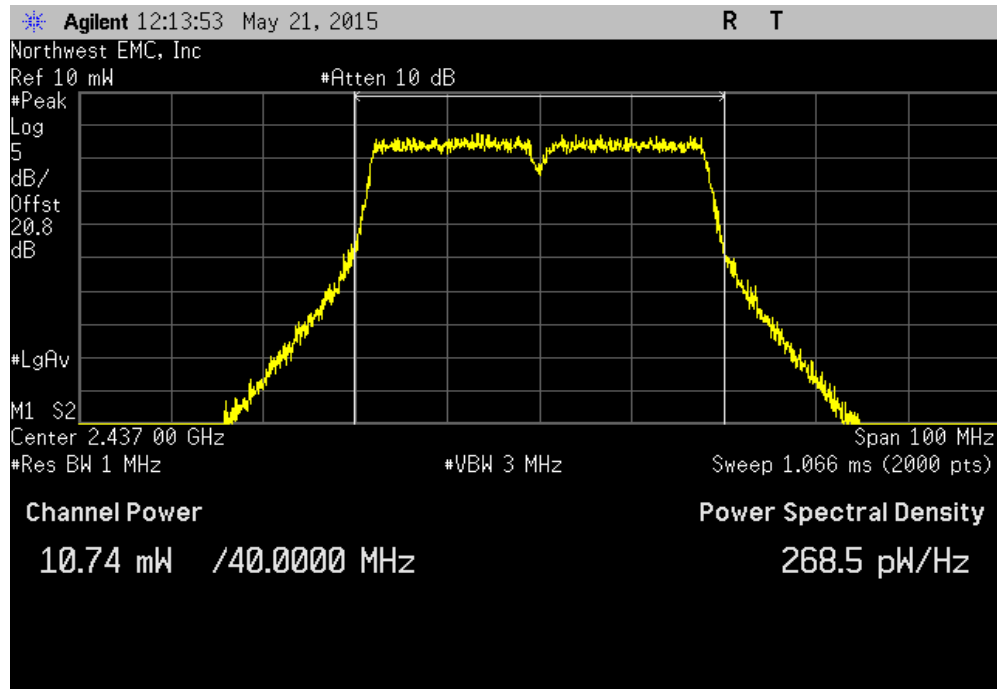


40 MHz, Chain A, 802.11(n) MCS15, Low Channel 1, 2422 MHz						
				Value	Limit (<)	Result
				10.845 mW	1 W	Pass

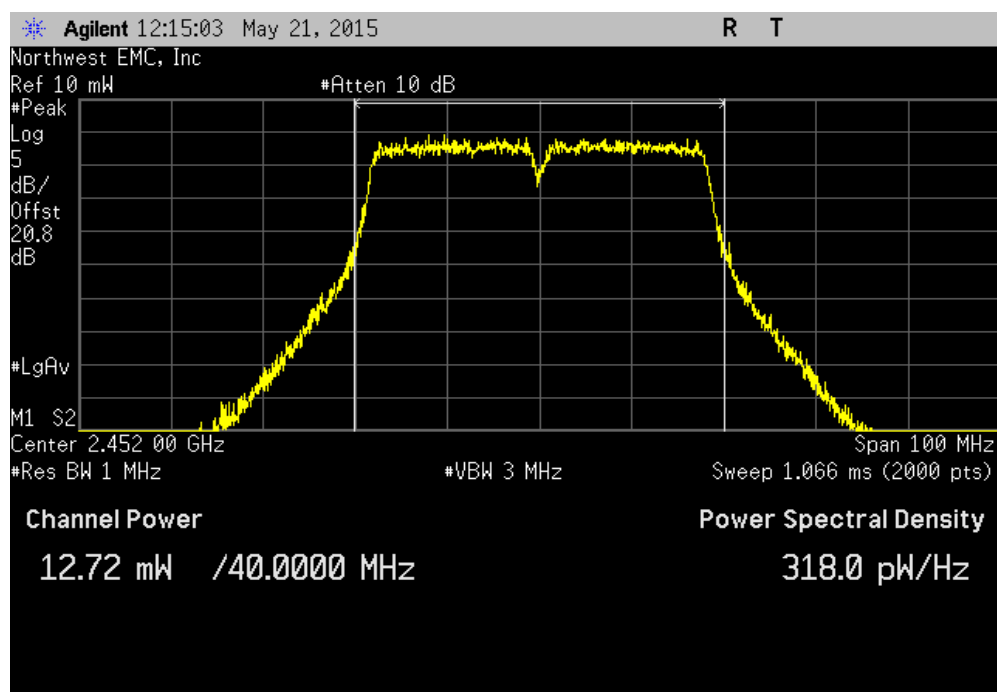


OUTPUT POWER

40 MHz, Chain A, 802.11(n) MCS15, Mid Channel 6, 2437 MHz						
				Value	Limit (<)	Result
				10.742 mW	1 W	Pass



40 MHz, Chain A, 802.11(n) MCS15, High Channel 11, 2452 MHz						
				Value	Limit (<)	Result
				12.718 mW	1 W	Pass



POWER SPECTRAL DENSITY

Testing was performed using the mode(s) of operation and configuration(s) noted within the report. The individuals and/or the organization requesting the test provided the modes, configurations and settings used to complete the evaluation. The actual test parameters are specified in the test data, this includes items such as investigated frequency range (scanned) and test levels. The testing methods and performance specifications, as well as the test site used for the evaluation are indicated in the test data.

TEST EQUIPMENT

Description	Manufacturer	Model	ID	Last Cal.	Interval (mo)
Signal Generator, 40 GHz	Agilent	N5173B	TIW	7/15/2014	36
DC Block, 40 GHz	Fairview Microwave	SD3379	AMM	2/27/2015	12
Attenuator, 20dB, 40 GHz	Fairview Microwave	SA4018-20	TQY	2/27/2015	12
Spectrum Analyzer	Agilent	E4440A	AFD	7/14/2014	12

TEST DESCRIPTION

The maximum power spectral density measurements was measured using the channels and modes as called out on the following data sheets.

A direct connection was made between the RF output of the EUT and a spectrum analyzer. External attenuation and a DC block were used. The reference level offset on the spectrum analyzer was adjusted to compensate for cable loss and the external attenuation used between the RF output and the spectrum analyzer input.

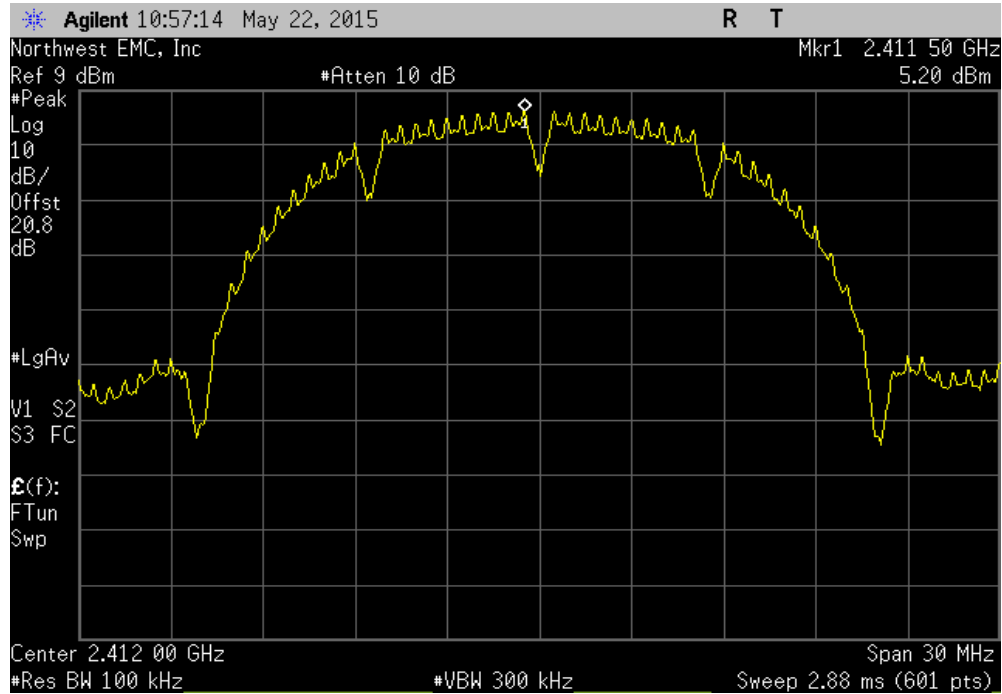
Per the procedure outlined in ANSI C63.10:2013 Section 11.10.2, the peak power spectral density was measured.

**NORTHWEST
EMC**

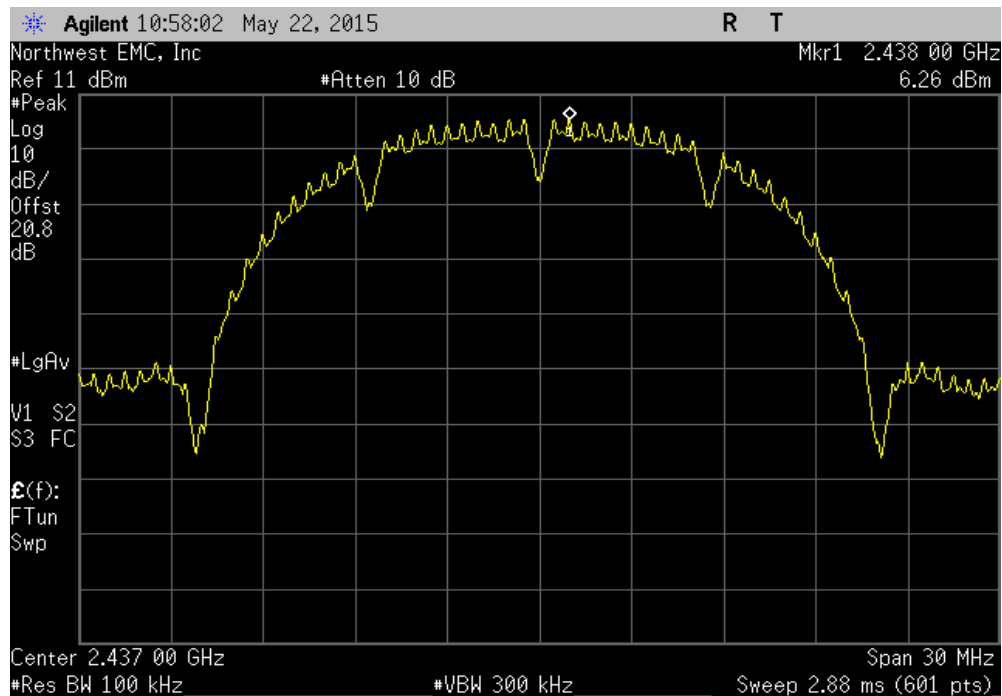
EUT:	RLX2-IHNF	Work Order:	PROS0222
Serial Number:	000D8DF095CF	Date:	05/22/15
Customer:	ProSoft Technology, Inc.	Temperature:	24.4° C
Attendees:	None	Humidity:	44%
Project:	None	Barometric Pres.:	1021 mbar
Tested by:	Jonathan Kiefer, Jeremiah Darden	Power:	110VAC/60Hz
TEST SPECIFICATIONS		Test Method	Job Site: TX09
FCC 15.247:2015		ANSI C63.10:2009	
COMMENTS			
Offset 20.8 dB (DC Block + 20dB Attenuator + Coax Cable) for 2.4 GHz.			
DEVIATIONS FROM TEST STANDARD			
None			
Configuration #	1	Signature	
		Value	Limit
		dBm/100kHz	dBm/3kHz
20 MHz			
Chain A			
802.11(b) 1 Mbps			
	Low Channel 1, 2412 MHz	5.2	8
	Mid Channel 6, 2437 MHz	6.255	8
	High Channel 11, 2462 MHz	5.181	8
802.11(b) 11 Mbps			
	Low Channel 1, 2412 MHz	5.079	8
	Mid Channel 6, 2437 MHz	6.879	8
	High Channel 11, 2462 MHz	5.277	8
802.11(g) 6 Mbps			
	Low Channel 1, 2412 MHz	0.05	8
	Mid Channel 6, 2437 MHz	1.982	8
	High Channel 11, 2462 MHz	1.499	8
802.11(g) 36 Mbps			
	Low Channel 1, 2412 MHz	2.844	8
	Mid Channel 6, 2437 MHz	3.326	8
	High Channel 11, 2462 MHz	2.728	8
802.11(g) 54 Mbps			
	Low Channel 1, 2412 MHz	-0.124	8
	Mid Channel 6, 2437 MHz	-0.975	8
	High Channel 11, 2462 MHz	0.102	8
802.11(n) MCS0			
	Low Channel 1, 2412 MHz	-2.316	8
	Mid Channel 6, 2437 MHz	-1.439	8
	High Channel 11, 2462 MHz	-0.161	8
802.11(n) MCS7			
	Low Channel 1, 2412 MHz	-0.143	8
	Mid Channel 6, 2437 MHz	-0.144	8
	High Channel 11, 2462 MHz	0.415	8
Chain B			
802.11(b) 1 Mbps			
	Low Channel 1, 2412 MHz	3.794	8
	Mid Channel 6, 2437 MHz	5.241	8
	High Channel 11, 2462 MHz	3.049	8
802.11(b) 11 Mbps			
	Low Channel 1, 2412 MHz	5.074	8
	Mid Channel 6, 2437 MHz	5.362	8
	High Channel 11, 2462 MHz	3.627	8
802.11(g) 6 Mbps			
	Low Channel 1, 2412 MHz	-0.4	8
	Mid Channel 6, 2437 MHz	1.063	8
	High Channel 11, 2462 MHz	-0.329	8
802.11(g) 36 Mbps			
	Low Channel 1, 2412 MHz	2.002	8
	Mid Channel 6, 2437 MHz	2.198	8
	High Channel 11, 2462 MHz	0.244	8
802.11(g) 54 Mbps			
	Low Channel 1, 2412 MHz	-1.06	8
	Mid Channel 6, 2437 MHz	-1.238	8
	High Channel 11, 2462 MHz	-1.611	8
802.11(n) MCS0			
	Low Channel 1, 2412 MHz	-3.878	8
	Mid Channel 6, 2437 MHz	-2.126	8
	High Channel 11, 2462 MHz	-2.292	8
802.11(n) MCS7			
	Low Channel 1, 2412 MHz	-1.096	8
	Mid Channel 6, 2437 MHz	-1.156	8
	High Channel 11, 2462 MHz	-1.456	8
Chain C			
802.11(b) 1 Mbps			
	Low Channel 1, 2412 MHz	7.358	8
	Mid Channel 6, 2437 MHz	6.465	8
	High Channel 11, 2462 MHz	2.555	8
802.11(b) 11 Mbps			
	Low Channel 1, 2412 MHz	6.708	8
	Mid Channel 6, 2437 MHz	5.84	8
	High Channel 11, 2462 MHz	4.88	8
802.11(g) 6 Mbps			
	Low Channel 1, 2412 MHz	2.145	8
	Mid Channel 6, 2437 MHz	2.871	8
	High Channel 11, 2462 MHz	-0.11	8
802.11(g) 36 Mbps			
	Low Channel 1, 2412 MHz	0.974	8
	Mid Channel 6, 2437 MHz	2.334	8
	High Channel 11, 2462 MHz	0.953	8
802.11(g) 54 Mbps			
	Low Channel 1, 2412 MHz	0.842	8
	Mid Channel 6, 2437 MHz	-0.749	8
	High Channel 11, 2462 MHz	-2.753	8
802.11(n) MCS0			
	Low Channel 1, 2412 MHz	-2.043	8
	Mid Channel 6, 2437 MHz	-0.789	8
	High Channel 11, 2462 MHz	-2.975	8
802.11(n) MCS7			
	Low Channel 1, 2412 MHz	1	8
	Mid Channel 6, 2437 MHz	-0.72	8
	High Channel 11, 2462 MHz	-1.618	8

POWER SPECTRAL DENSITY

20 MHz, Chain A, 802.11(b) 1 Mbps, Low Channel 1, 2412 MHz						
Value			Limit		Results	
dBm/100kHz			dBm/3kHz			
5.2			8		Pass	

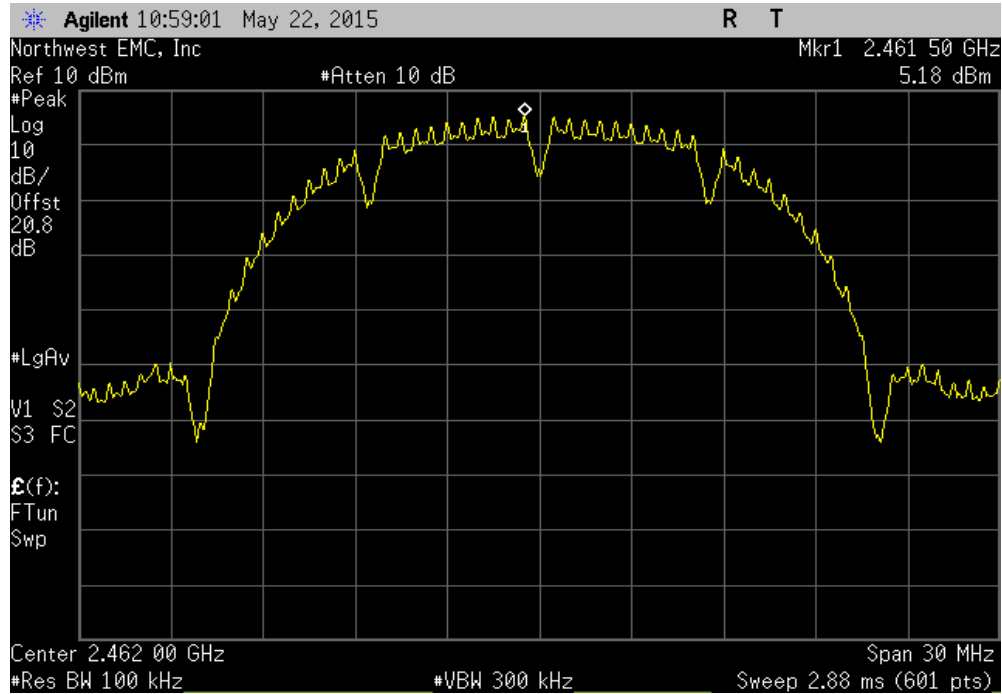


20 MHz, Chain A, 802.11(b) 1 Mbps, Mid Channel 6, 2437 MHz						
Value			Limit		Results	
dBm/100kHz			dBm/3kHz			
6.255			8		Pass	

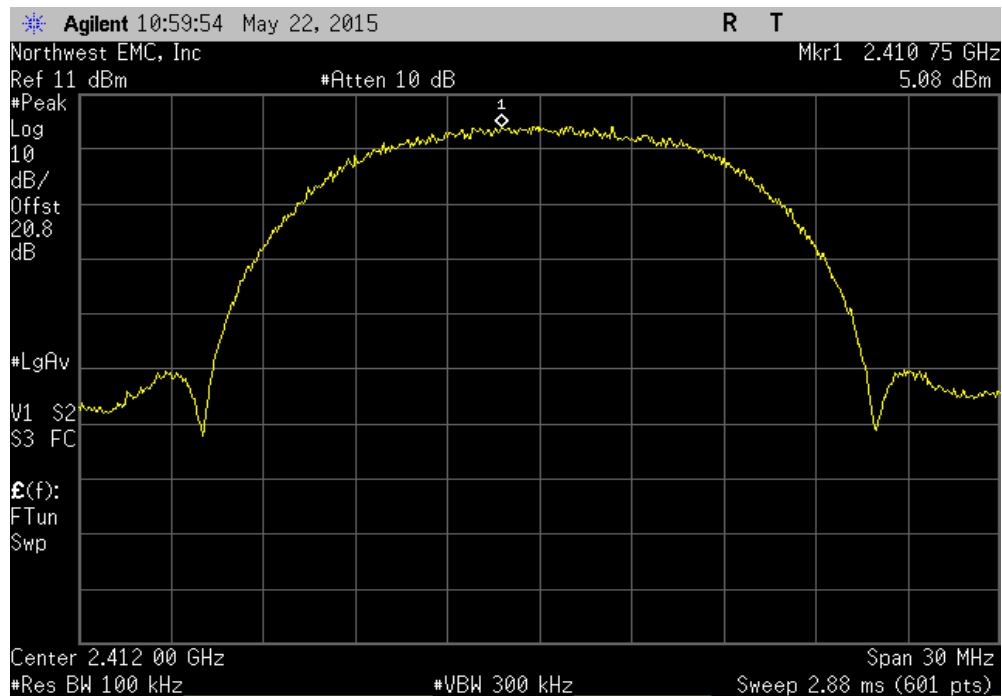


POWER SPECTRAL DENSITY

20 MHz, Chain A, 802.11(b) 1 Mbps, High Channel 11, 2462 MHz						
Value			Limit		Results	
dBm/100kHz			dBm/3kHz			
5.181			8		Pass	

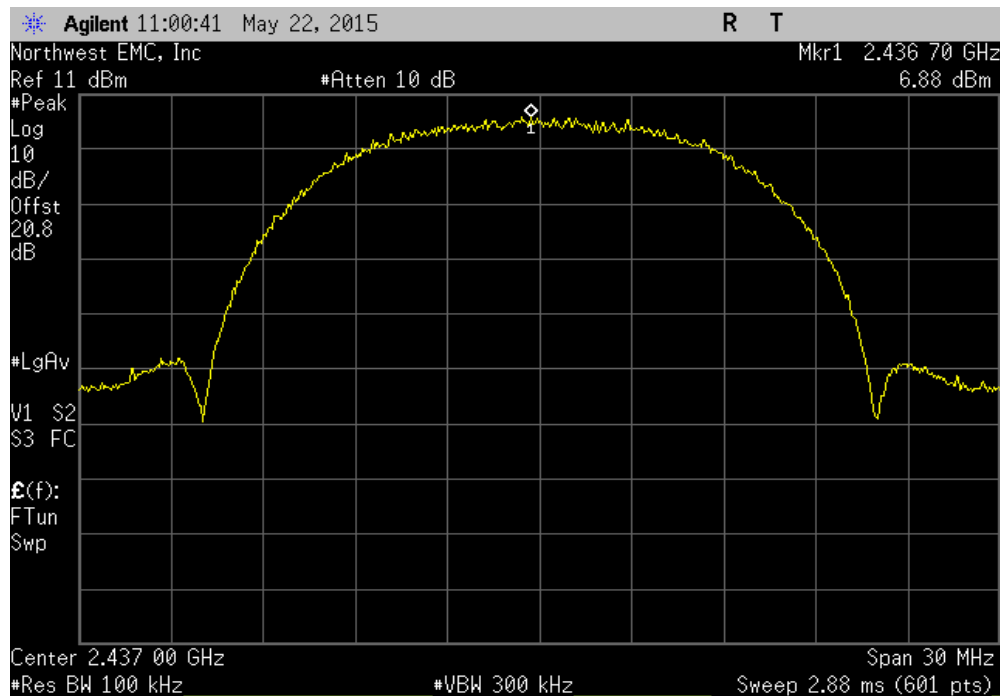


20 MHz, Chain A, 802.11(b) 11 Mbps, Low Channel 1, 2412 MHz						
Value			Limit		Results	
dBm/100kHz			dBm/3kHz			
5.079			8		Pass	

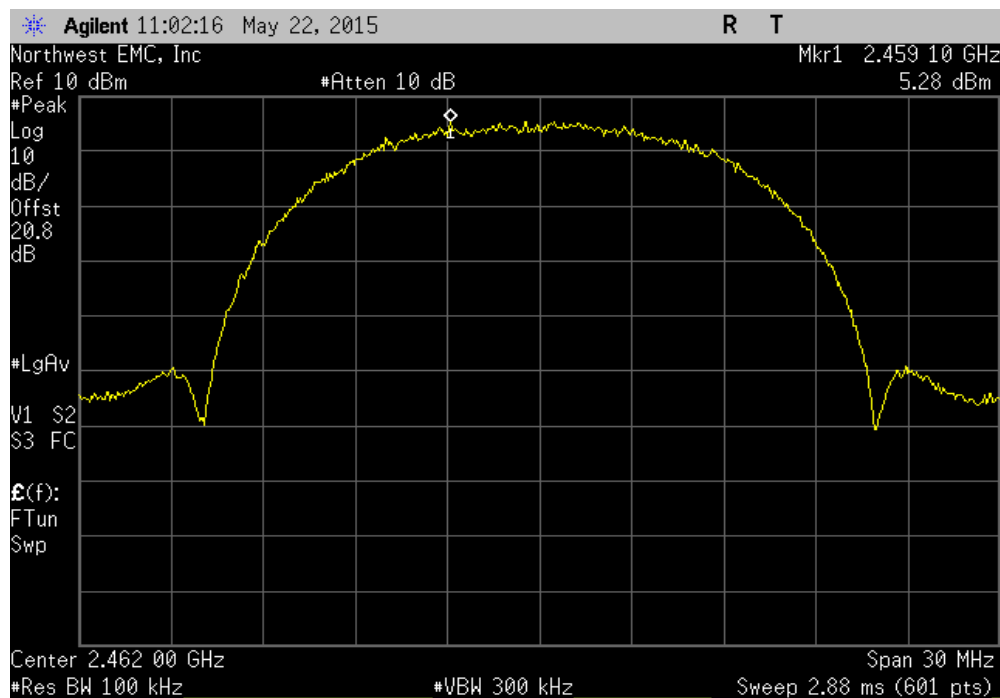


POWER SPECTRAL DENSITY

20 MHz, Chain A, 802.11(b) 11 Mbps, Mid Channel 6, 2437 MHz						
Value			Limit		Results	
dBm/100kHz			dBm/3kHz			
6.879			8		Pass	

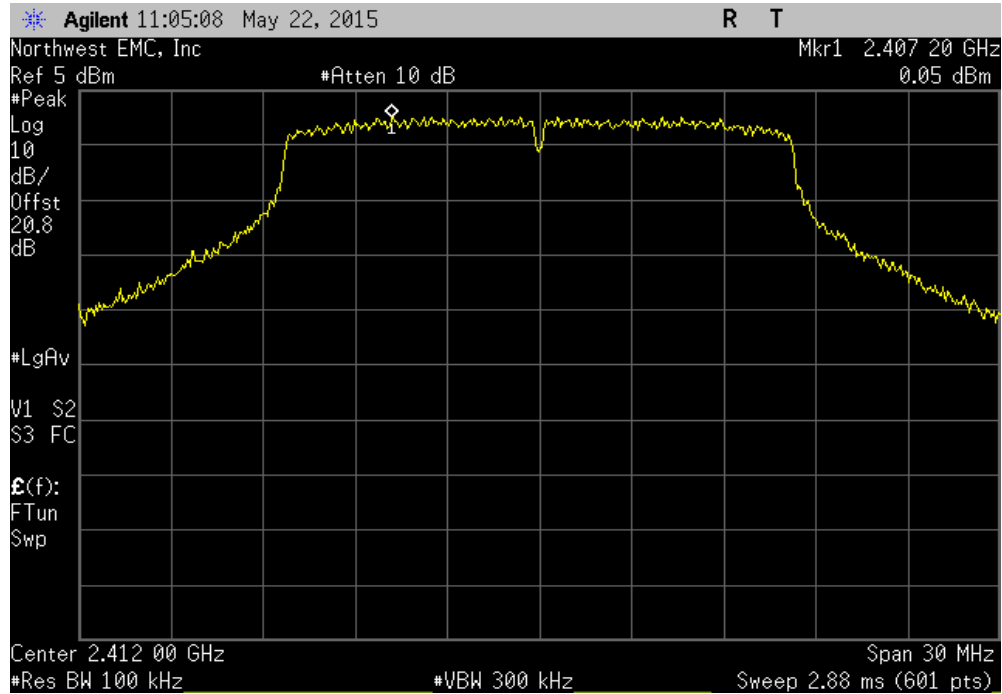


20 MHz, Chain A, 802.11(b) 11 Mbps, High Channel 11, 2462 MHz						
Value			Limit		Results	
dBm/100kHz			dBm/3kHz			
5.277			8		Pass	

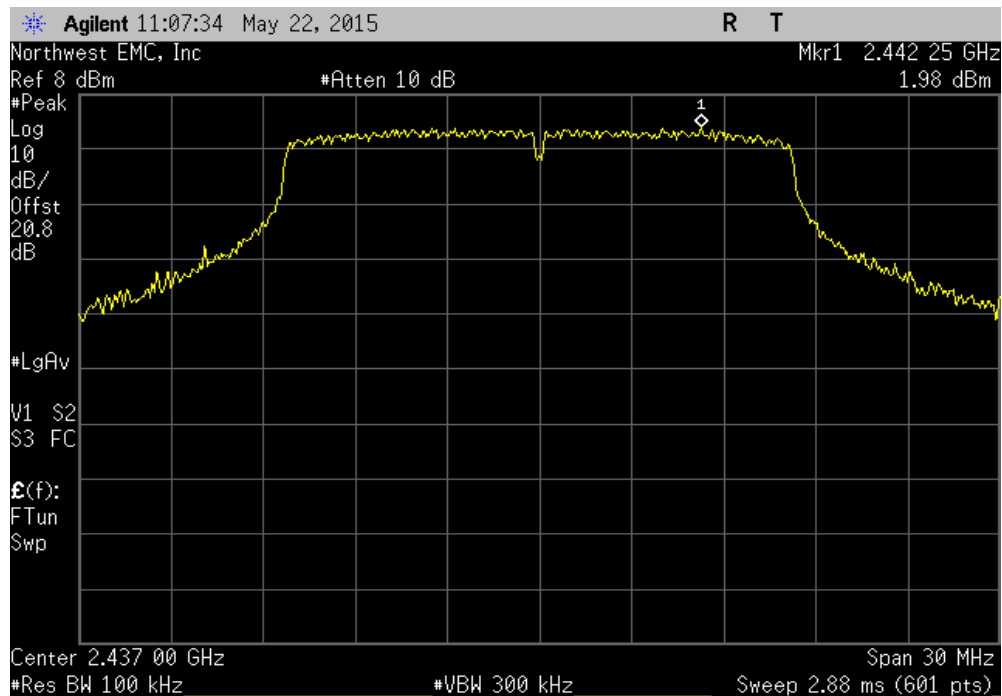


POWER SPECTRAL DENSITY

20 MHz, Chain A, 802.11(g) 6 Mbps, Low Channel 1, 2412 MHz						
Value			Limit		Results	
dBm/100kHz			dBm/3kHz			
0.05			8		Pass	

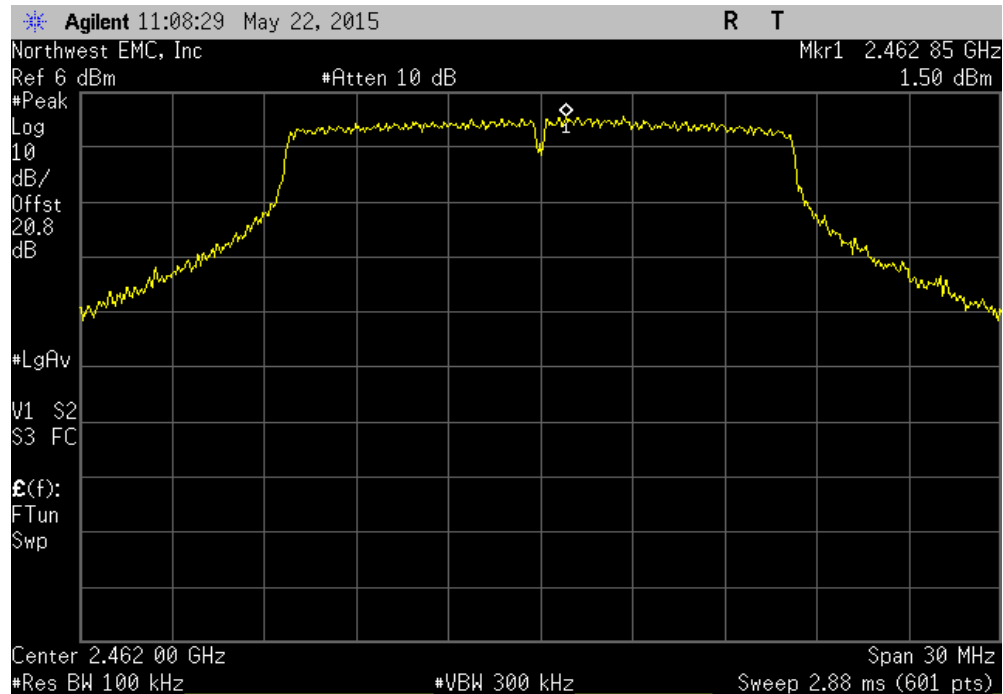


20 MHz, Chain A, 802.11(g) 6 Mbps, Mid Channel 6, 2437 MHz						
Value			Limit		Results	
dBm/100kHz			dBm/3kHz			
1.982			8		Pass	

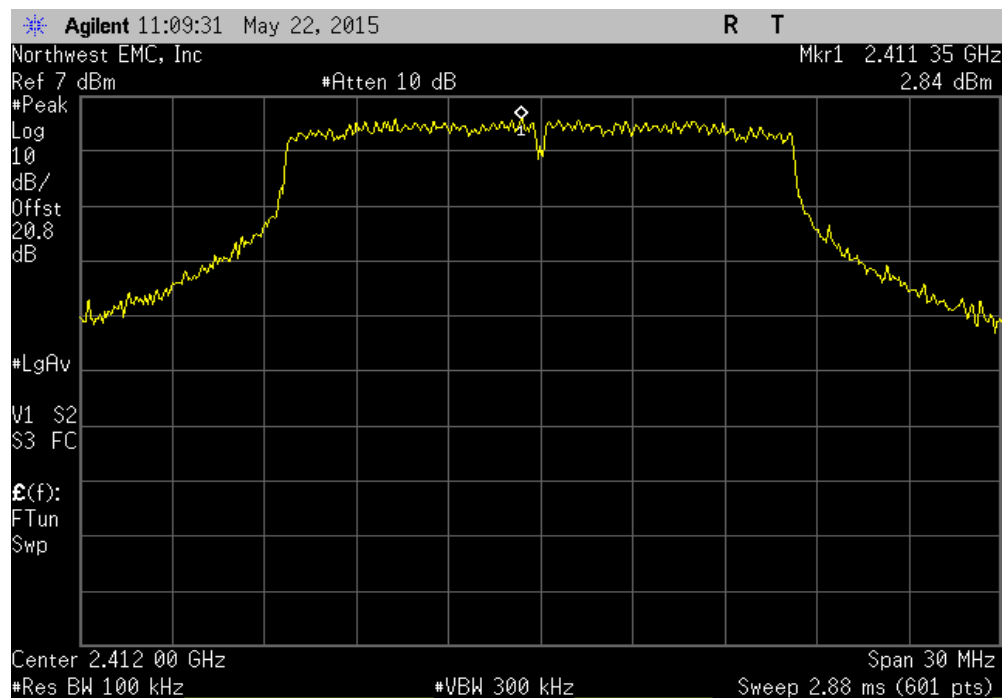


POWER SPECTRAL DENSITY

20 MHz, Chain A, 802.11(g) 6 Mbps, High Channel 11, 2462 MHz						
Value			Limit		Results	
dBm/100kHz			dBm/3kHz			
1.499			8		Pass	

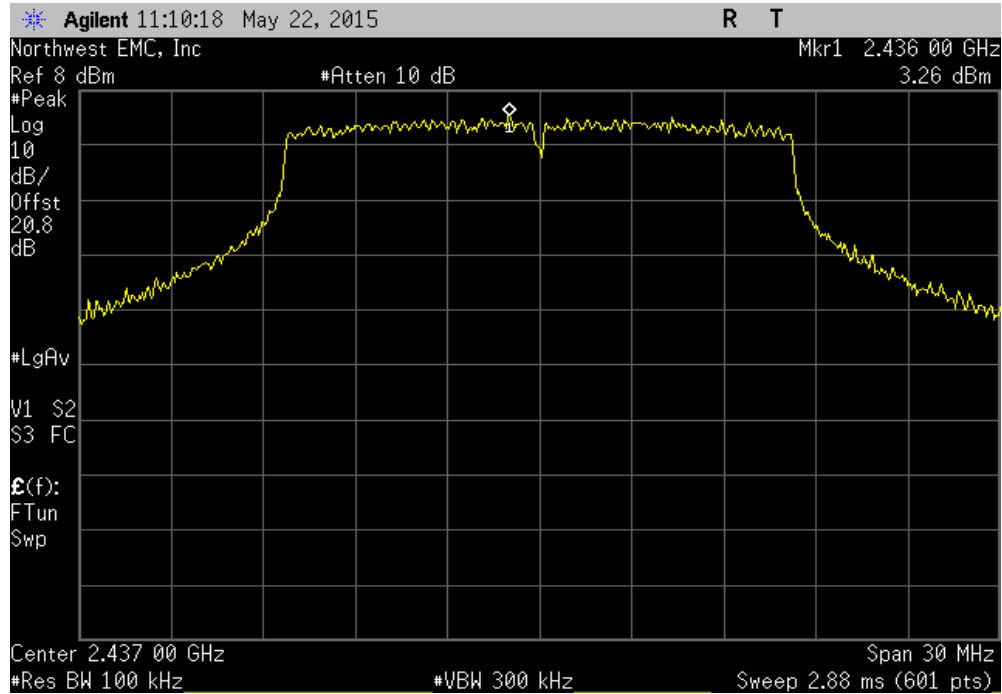


20 MHz, Chain A, 802.11(g) 36 Mbps, Low Channel 1, 2412 MHz						
Value			Limit		Results	
dBm/100kHz			dBm/3kHz			
2.844			8		Pass	

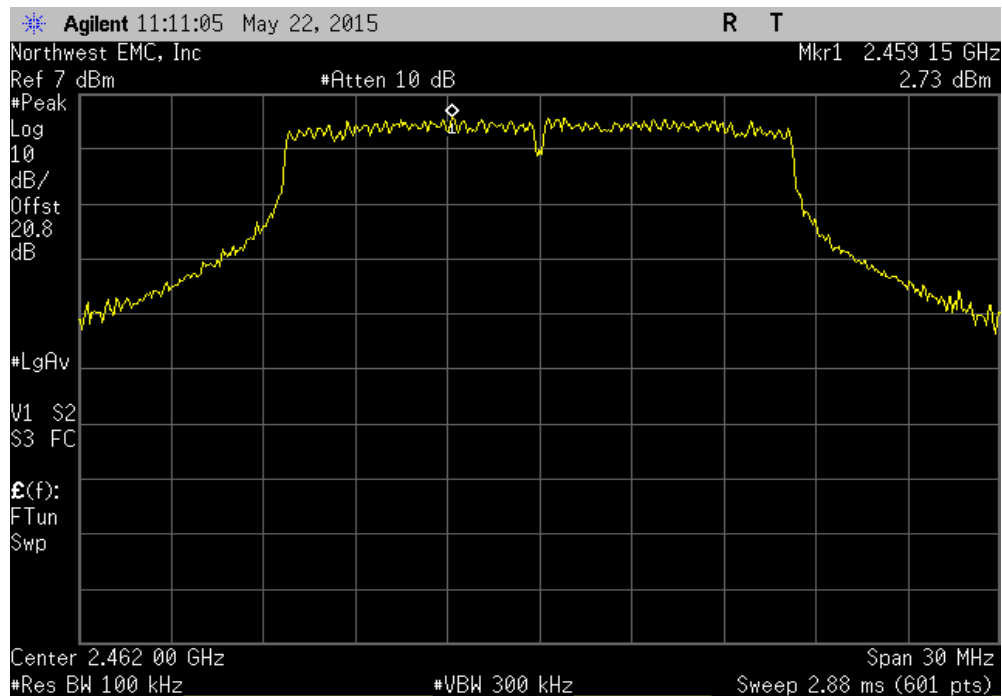


POWER SPECTRAL DENSITY

20 MHz, Chain A, 802.11(g) 36 Mbps, Mid Channel 6, 2437 MHz						
Value			Limit		Results	
dBm/100kHz			dBm/3kHz			
3.26			8		Pass	

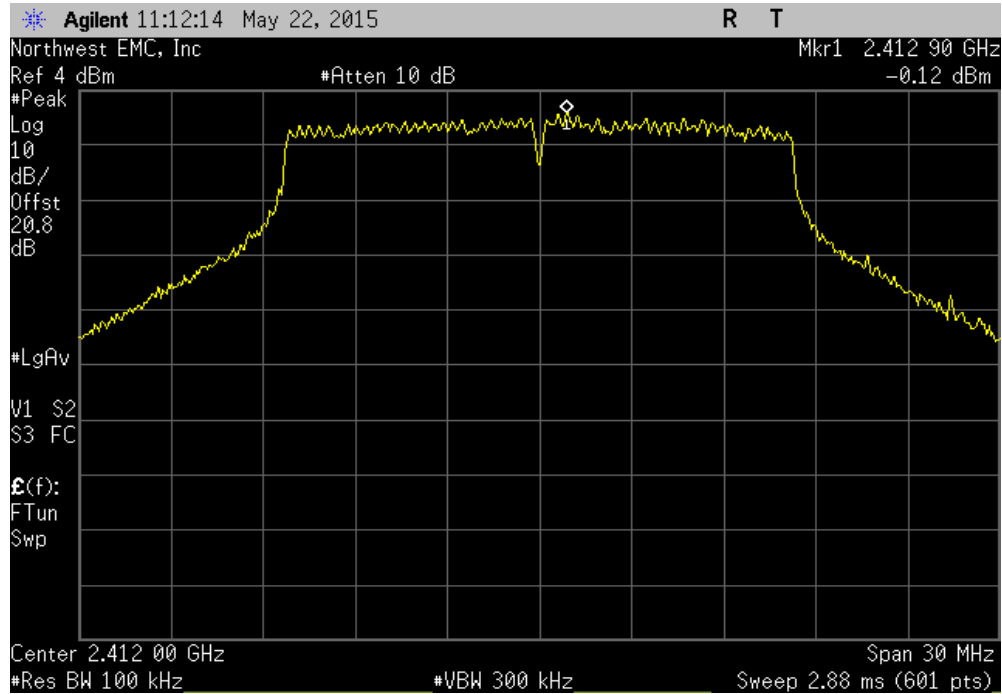


20 MHz, Chain A, 802.11(g) 36 Mbps, High Channel 11, 2462 MHz						
Value			Limit		Results	
dBm/100kHz			dBm/3kHz			
2.728			8		Pass	

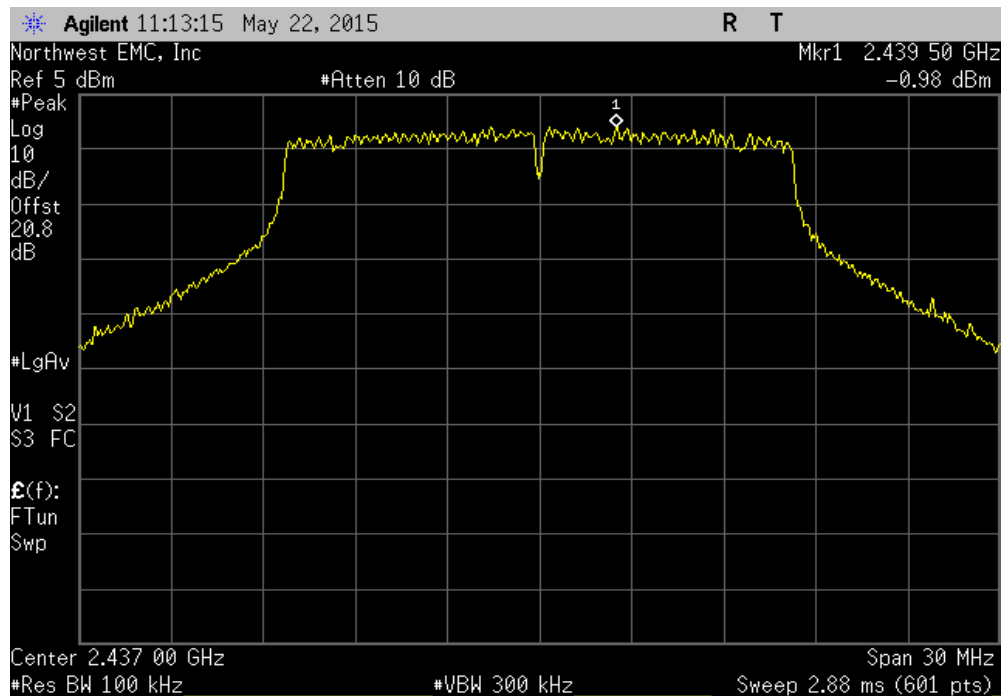


POWER SPECTRAL DENSITY

20 MHz, Chain A, 802.11(g) 54 Mbps, Low Channel 1, 2412 MHz						
Value			Limit		Results	
dBm/100kHz			dBm/3kHz			
-0.124			8		Pass	

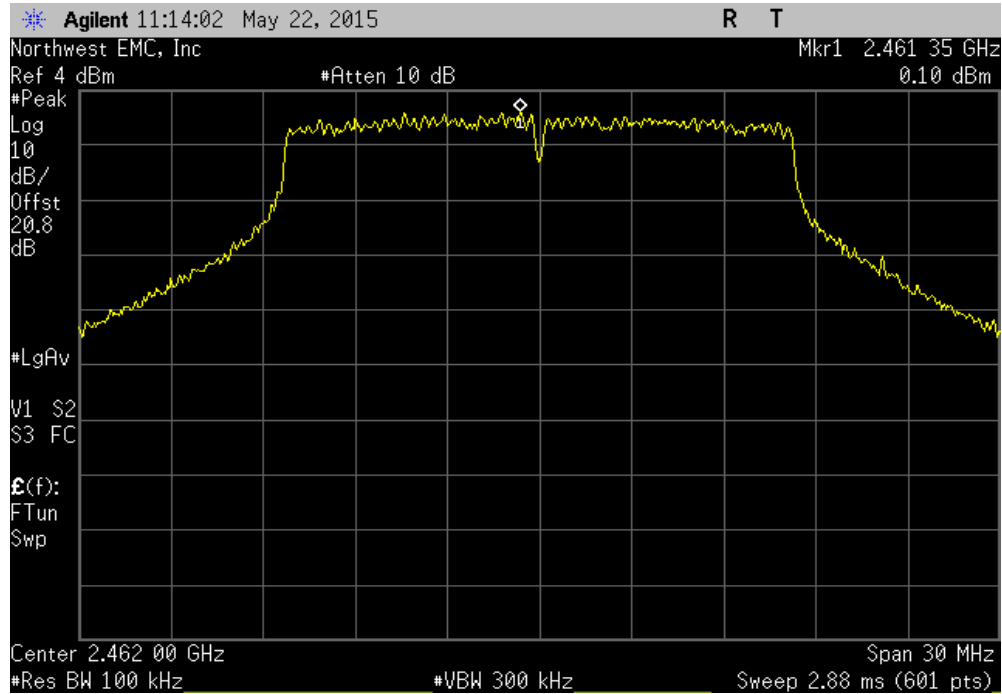


20 MHz, Chain A, 802.11(g) 54 Mbps, Mid Channel 6, 2437 MHz						
Value			Limit		Results	
dBm/100kHz			dBm/3kHz			
-0.975			8		Pass	

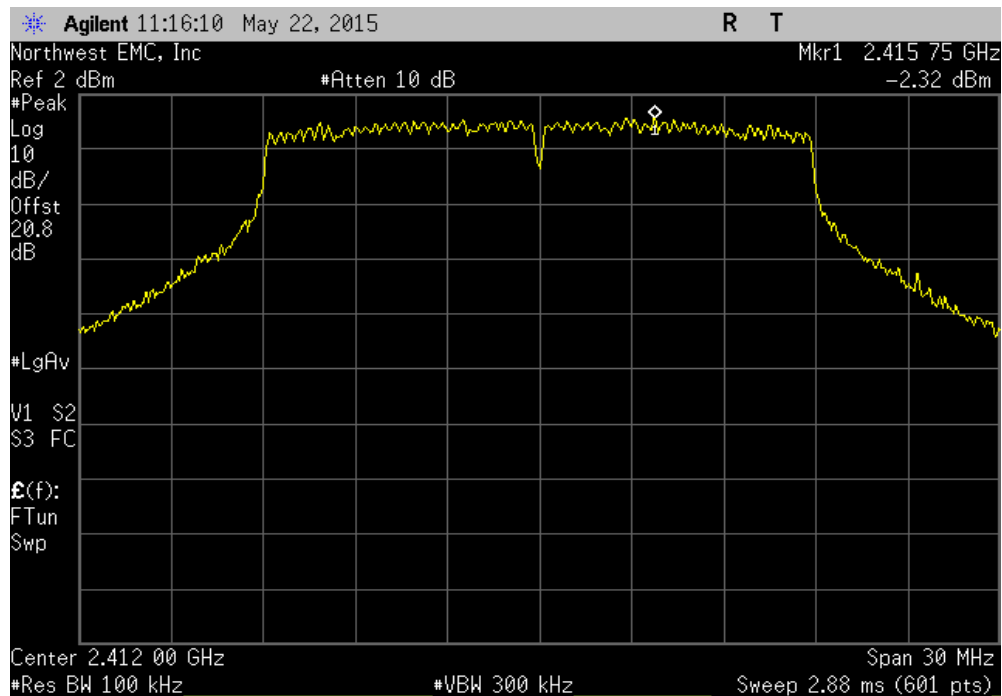


POWER SPECTRAL DENSITY

20 MHz, Chain A, 802.11(g) 54 Mbps, High Channel 11, 2462 MHz						
Value				Limit		Results
dBm/100kHz				dBm/3kHz		
		0.102			8	Pass

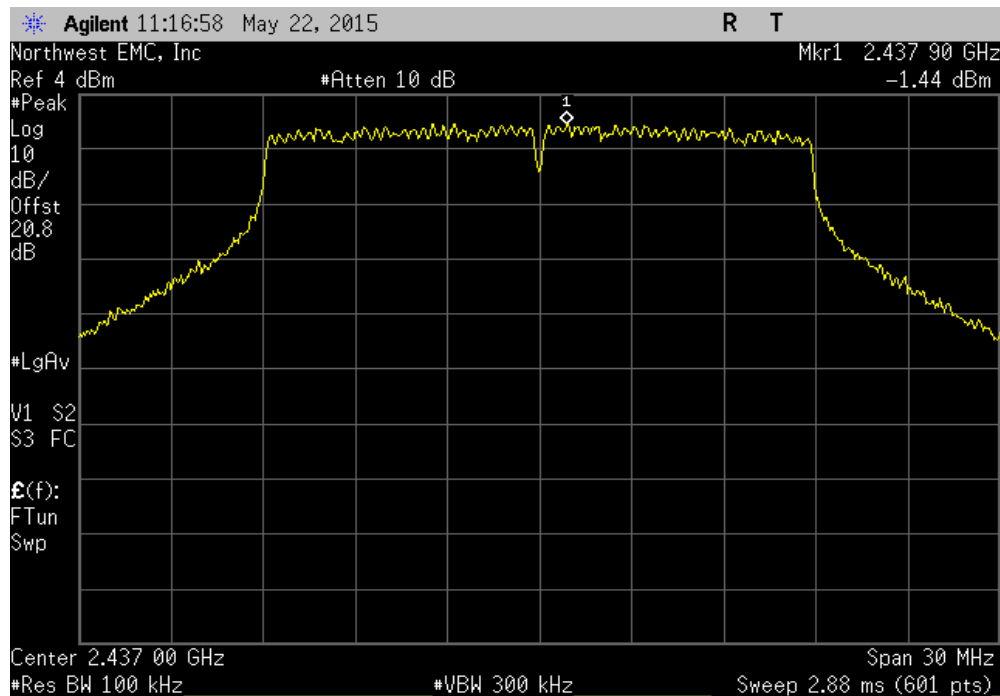


20 MHz, Chain A, 802.11(n) MCS0, Low Channel 1, 2412 MHz						
Value				Limit		Results
dBm/100kHz				dBm/3kHz		
		-2.316			8	Pass

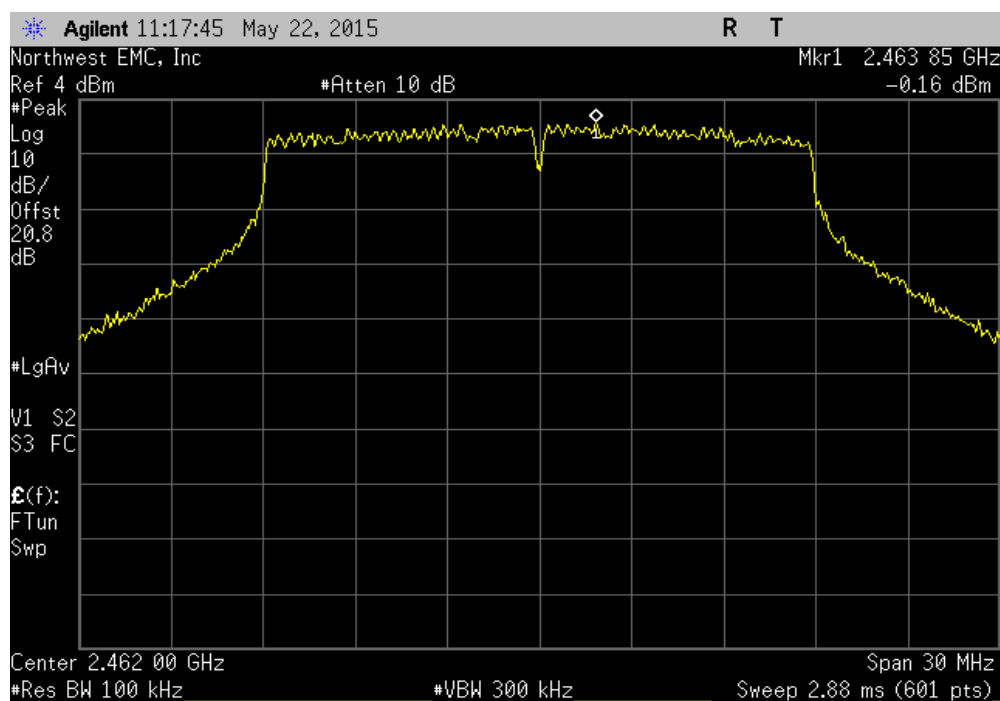


POWER SPECTRAL DENSITY

20 MHz, Chain A, 802.11(n) MCS0, Mid Channel 6, 2437 MHz						
Value			Limit		Results	
dBm/100kHz			dBm/3kHz			
-1.439			8		Pass	

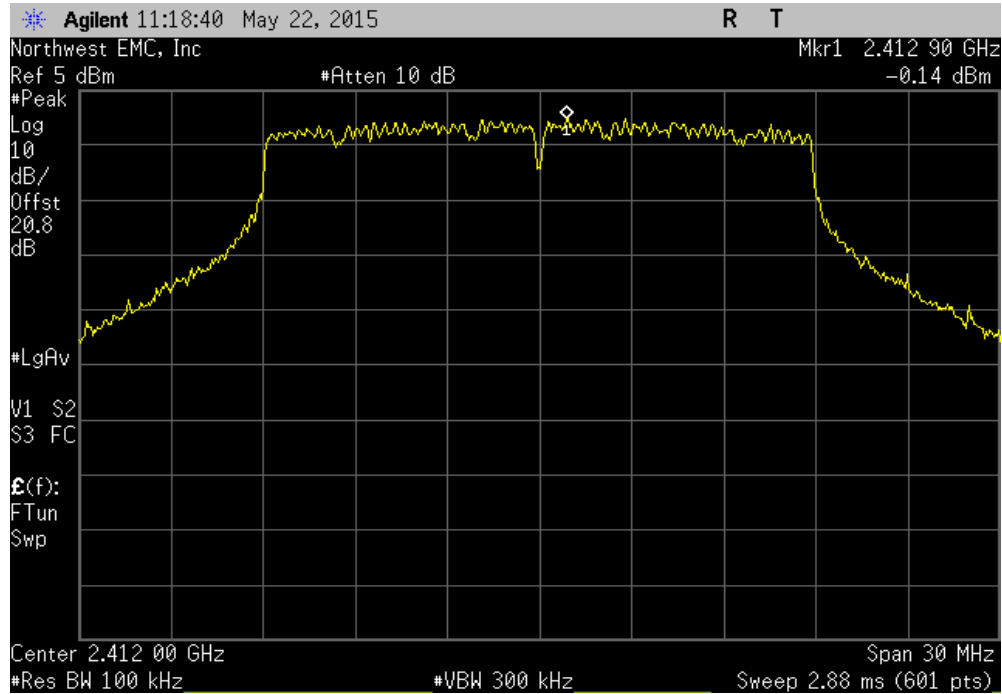


20 MHz, Chain A, 802.11(n) MCS0, High Channel 11, 2462 MHz						
Value			Limit		Results	
dBm/100kHz			dBm/3kHz			
-0.161			8		Pass	

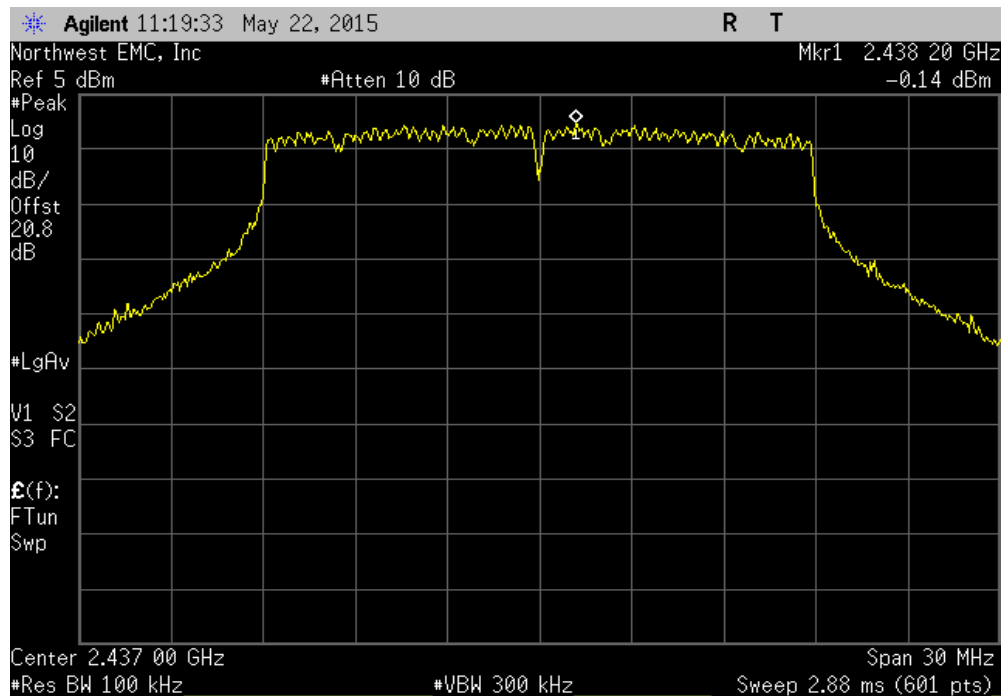


POWER SPECTRAL DENSITY

20 MHz, Chain A, 802.11(n) MCS7, Low Channel 1, 2412 MHz						
Value			Limit		Results	
dBm/100kHz			dBm/3kHz			
-0.143			8		Pass	

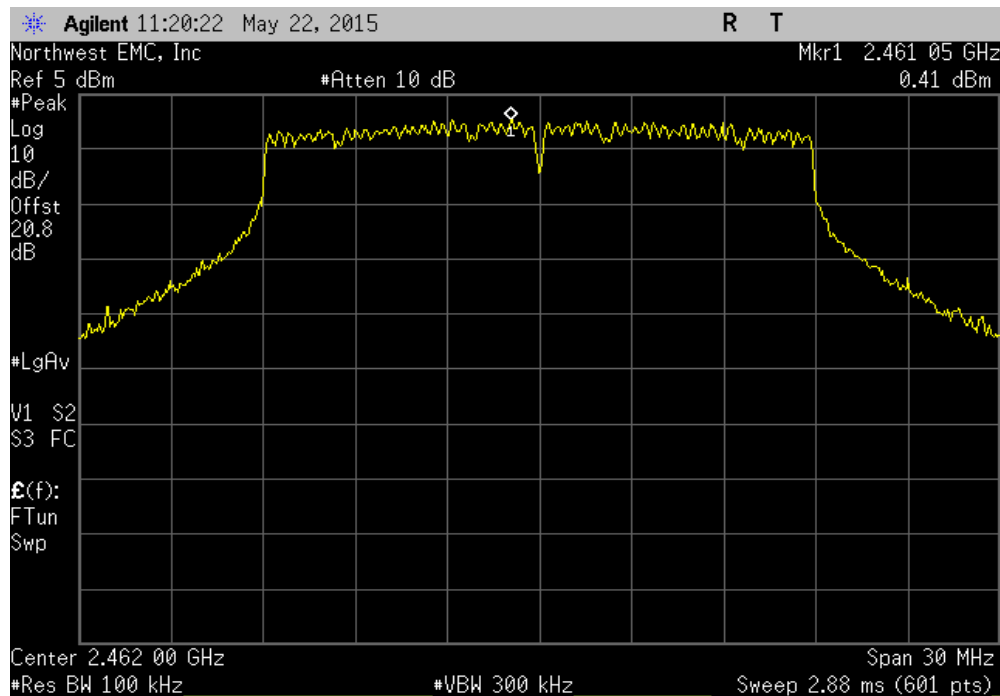


20 MHz, Chain A, 802.11(n) MCS7, Mid Channel 6, 2437 MHz						
Value			Limit		Results	
dBm/100kHz			dBm/3kHz			
-0.144			8		Pass	

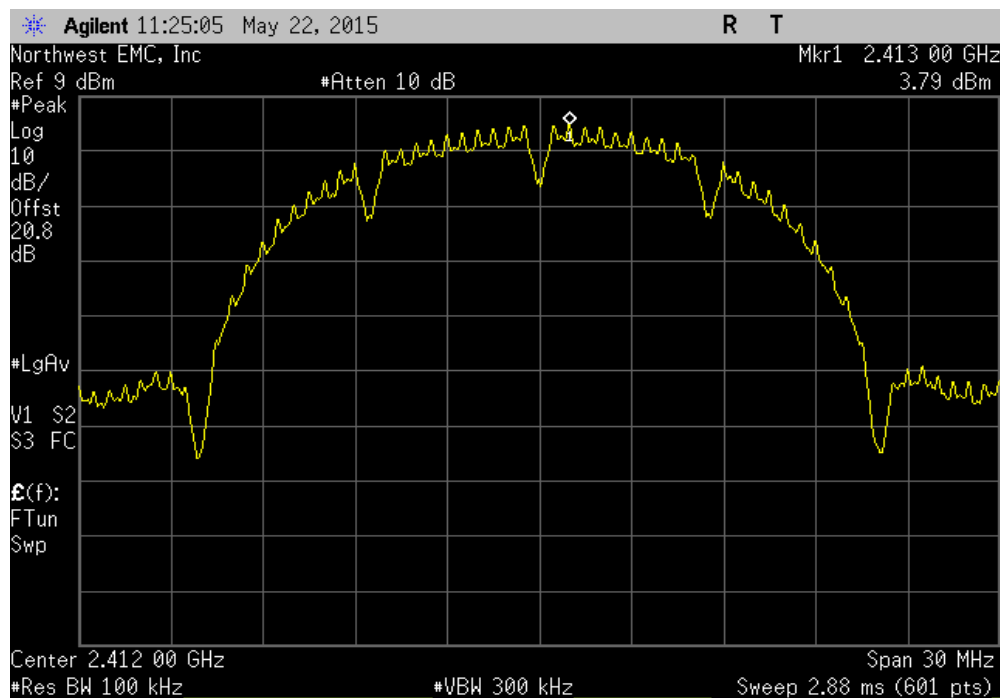


POWER SPECTRAL DENSITY

20 MHz, Chain A, 802.11(n) MCS7, High Channel 11, 2462 MHz						
Value			Limit		Results	
dBm/100kHz			dBm/3kHz			
0.415			8		Pass	

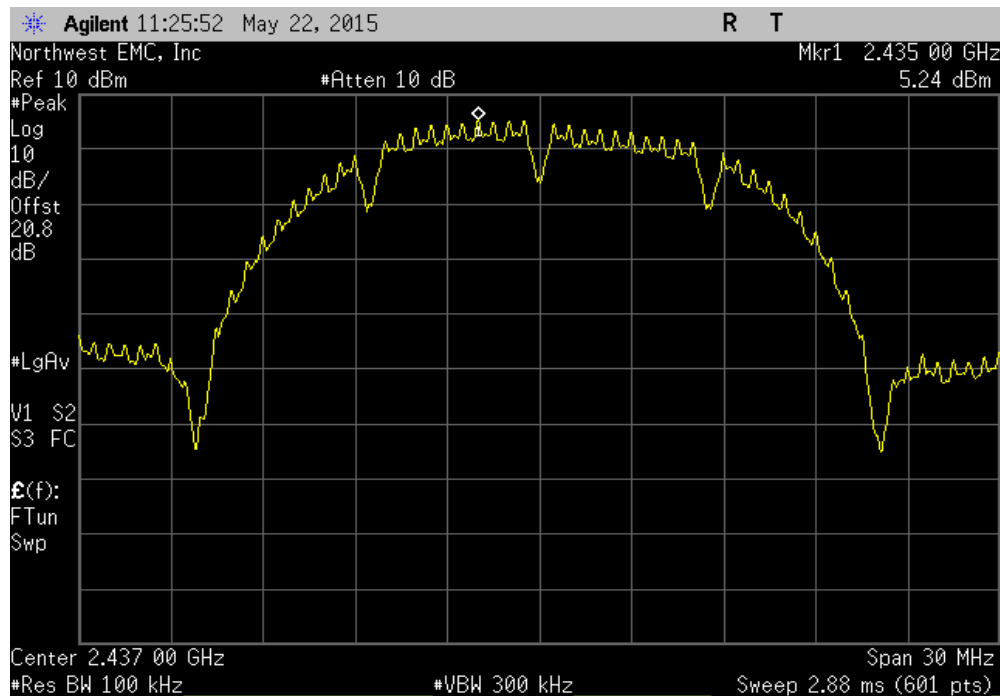


20 MHz, Chain B, 802.11(b) 1 Mbps, Low Channel 1, 2412 MHz						
Value			Limit		Results	
dBm/100kHz			dBm/3kHz			
3.794			8		Pass	

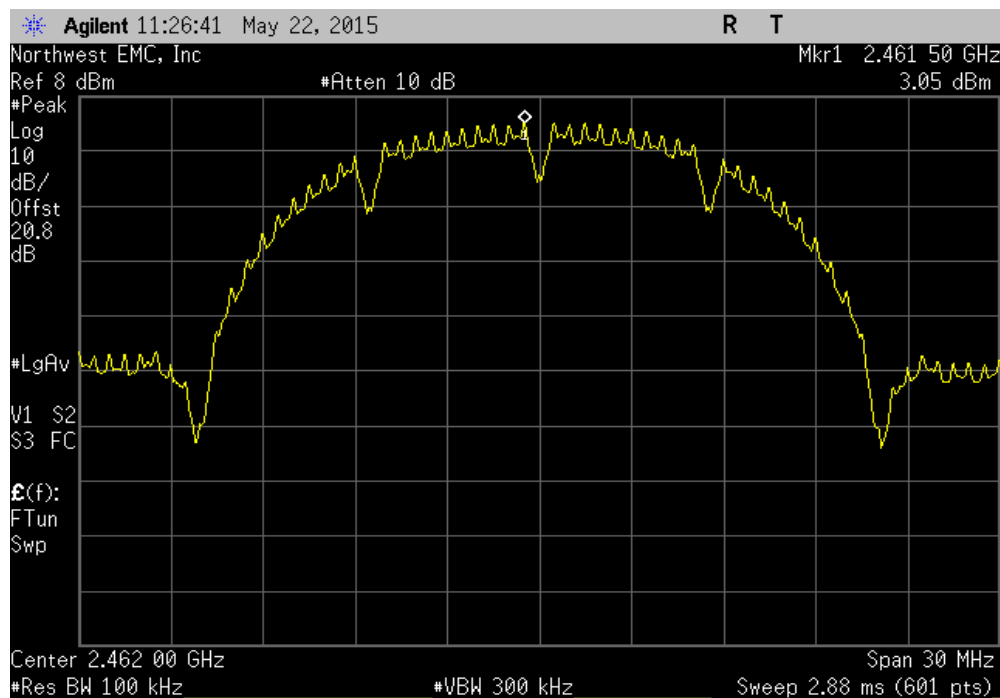


POWER SPECTRAL DENSITY

20 MHz, Chain B, 802.11(b) 1 Mbps, Mid Channel 6, 2437 MHz						
Value			Limit		Results	
dBm/100kHz			dBm/3kHz			
5.241			8		Pass	

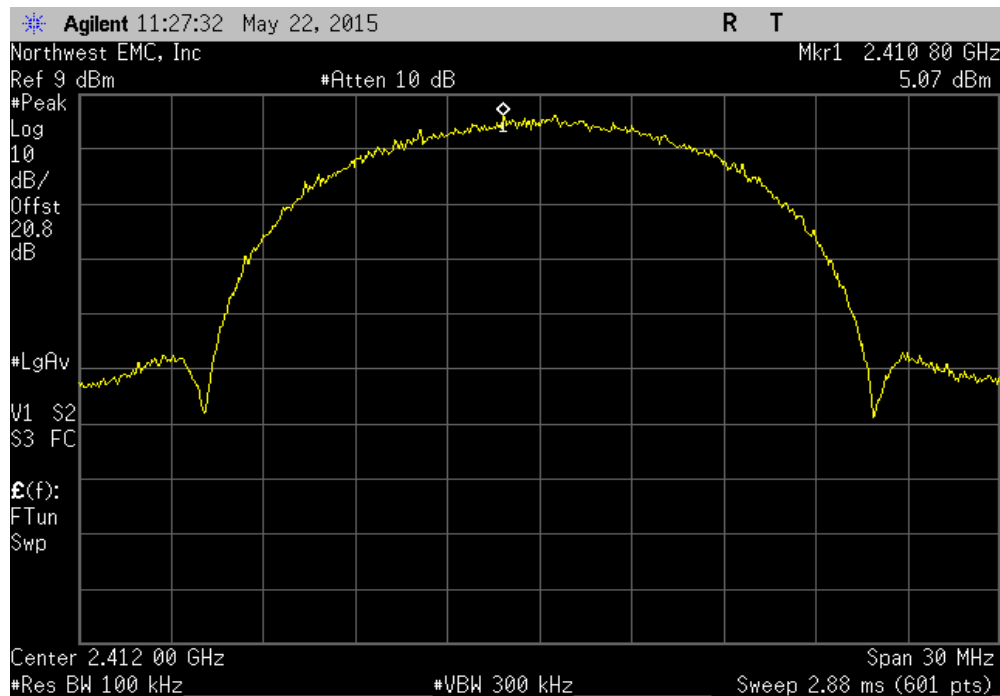


20 MHz, Chain B, 802.11(b) 1 Mbps, High Channel 11, 2462 MHz						
Value			Limit		Results	
dBm/100kHz			dBm/3kHz			
3.049			8		Pass	

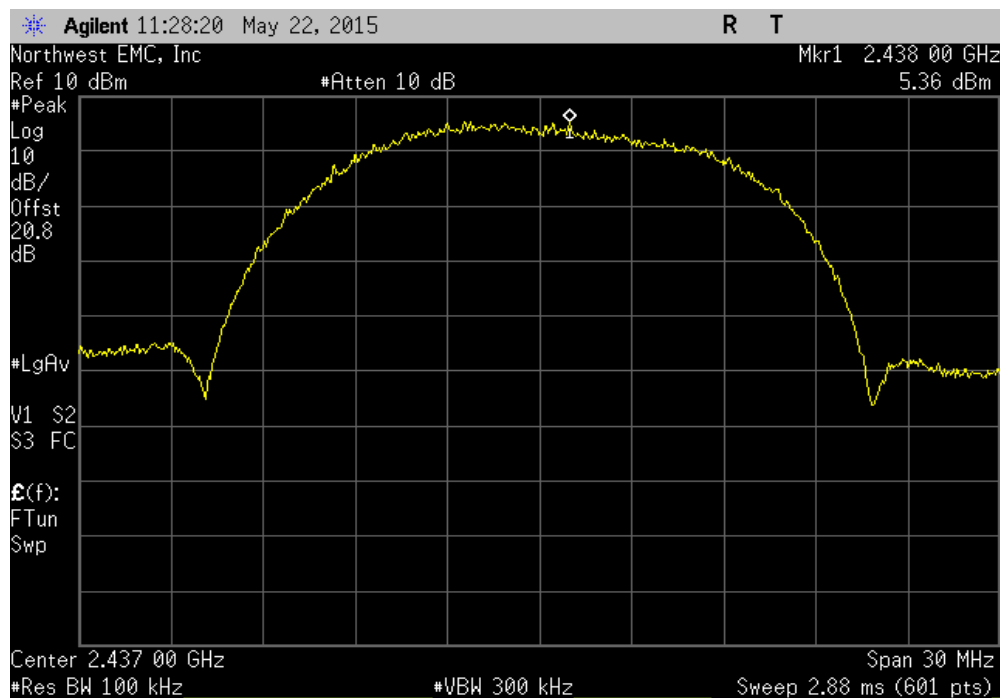


POWER SPECTRAL DENSITY

20 MHz, Chain B, 802.11(b) 11 Mbps, Low Channel 1, 2412 MHz						
Value			Limit		Results	
dBm/100kHz			dBm/3kHz			
5.074			8		Pass	

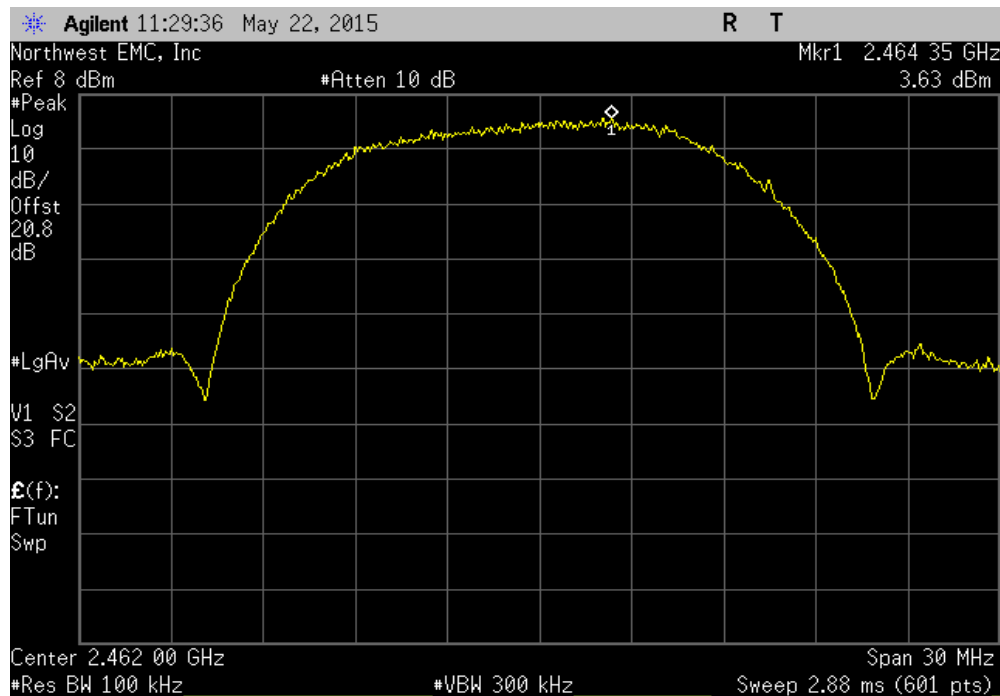


20 MHz, Chain B, 802.11(b) 11 Mbps, Mid Channel 6, 2437 MHz						
Value			Limit		Results	
dBm/100kHz			dBm/3kHz			
5.362			8		Pass	

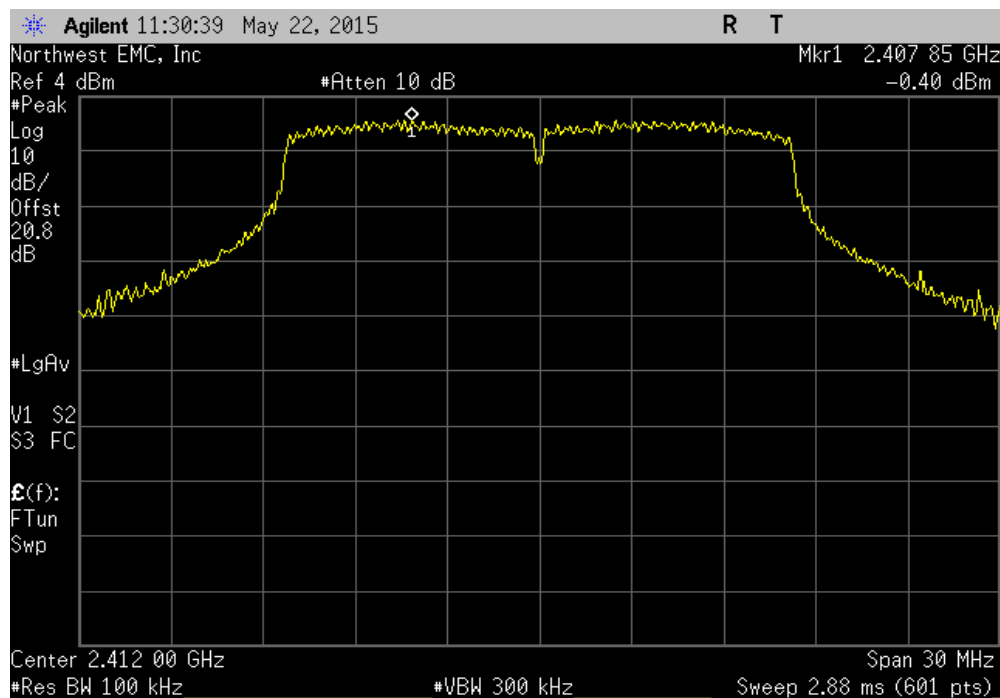


POWER SPECTRAL DENSITY

20 MHz, Chain B, 802.11(b) 11 Mbps, High Channel 11, 2462 MHz						
Value			Limit		Results	
dBm/100kHz			dBm/3kHz			
3.627			8		Pass	

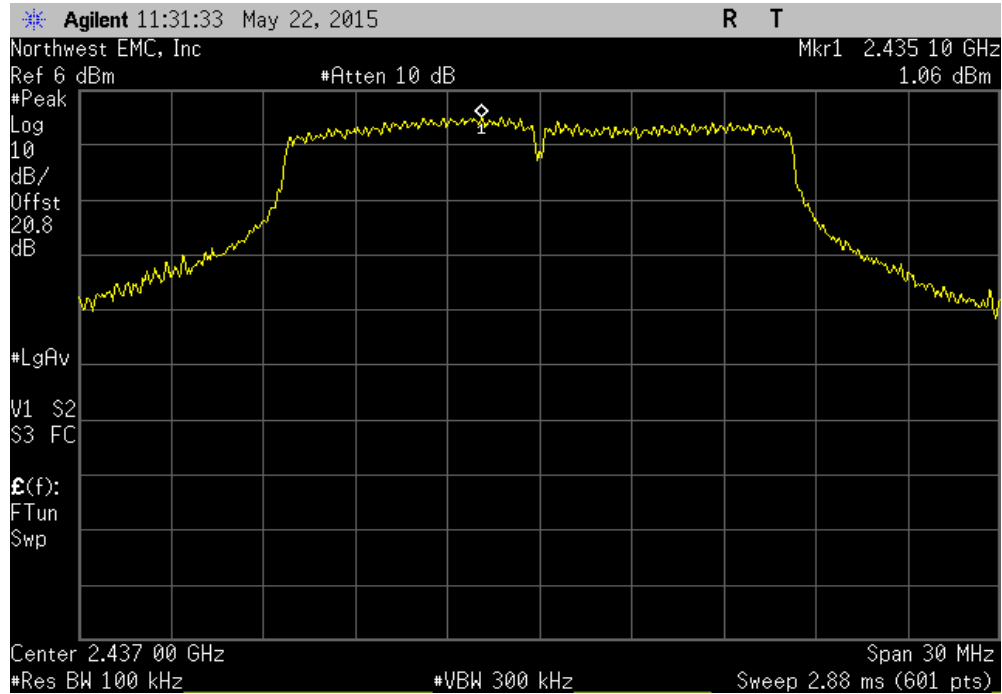


20 MHz, Chain B, 802.11(g) 6 Mbps, Low Channel 1, 2412 MHz						
Value			Limit		Results	
dBm/100kHz			dBm/3kHz			
-0.4			8		Pass	

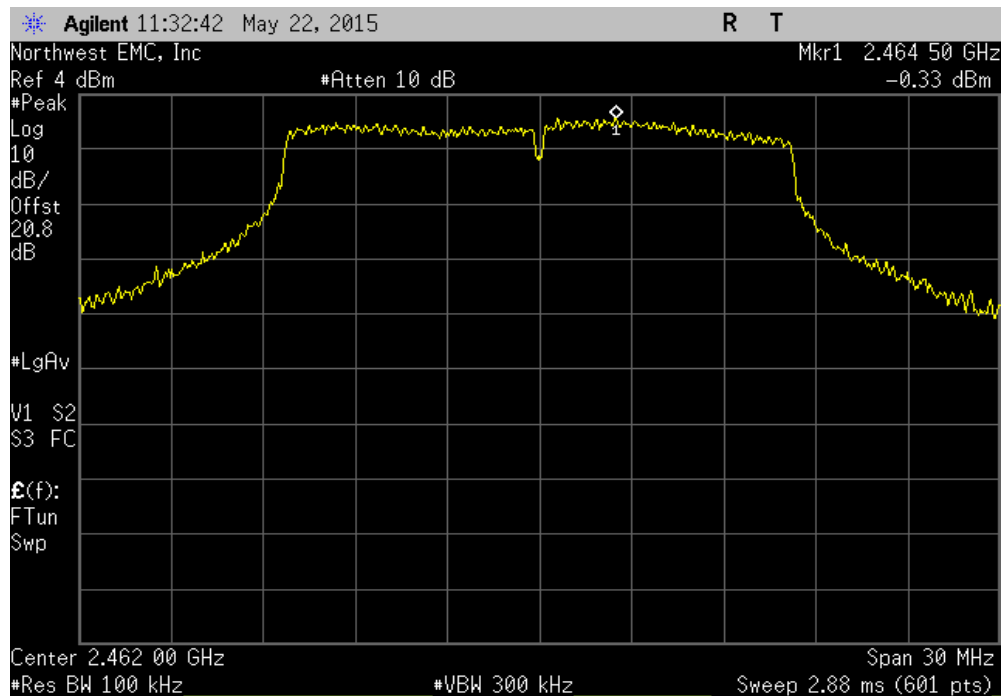


POWER SPECTRAL DENSITY

20 MHz, Chain B, 802.11(g) 6 Mbps, Mid Channel 6, 2437 MHz						
Value			Limit		Results	
dBm/100kHz			dBm/3kHz			
1.063			8		Pass	

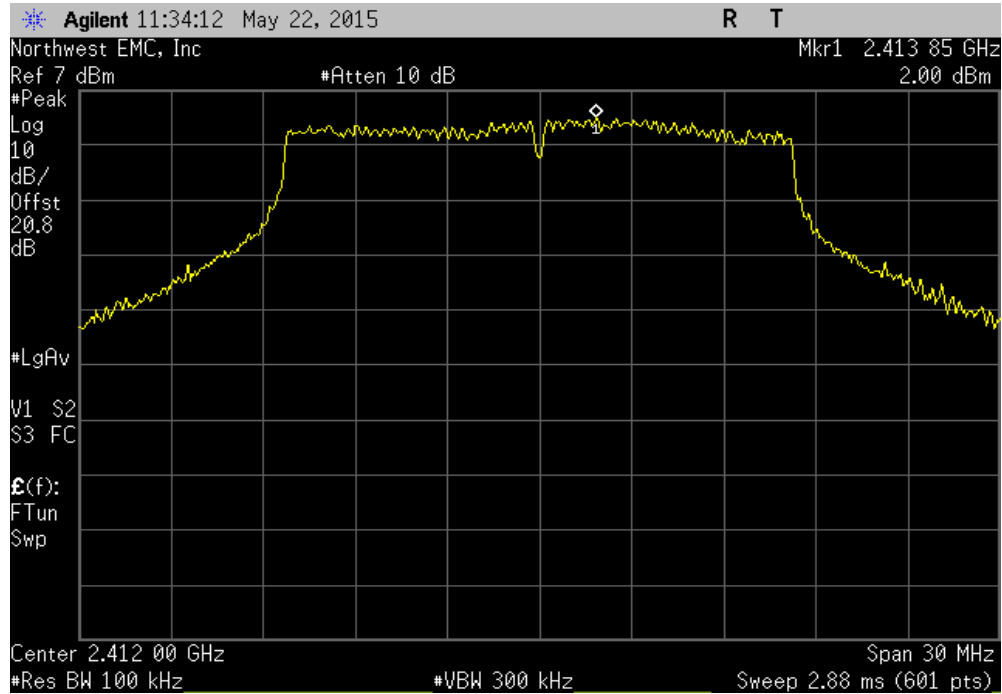


20 MHz, Chain B, 802.11(g) 6 Mbps, High Channel 11, 2462 MHz						
Value			Limit		Results	
dBm/100kHz			dBm/3kHz			
-0.329			8		Pass	

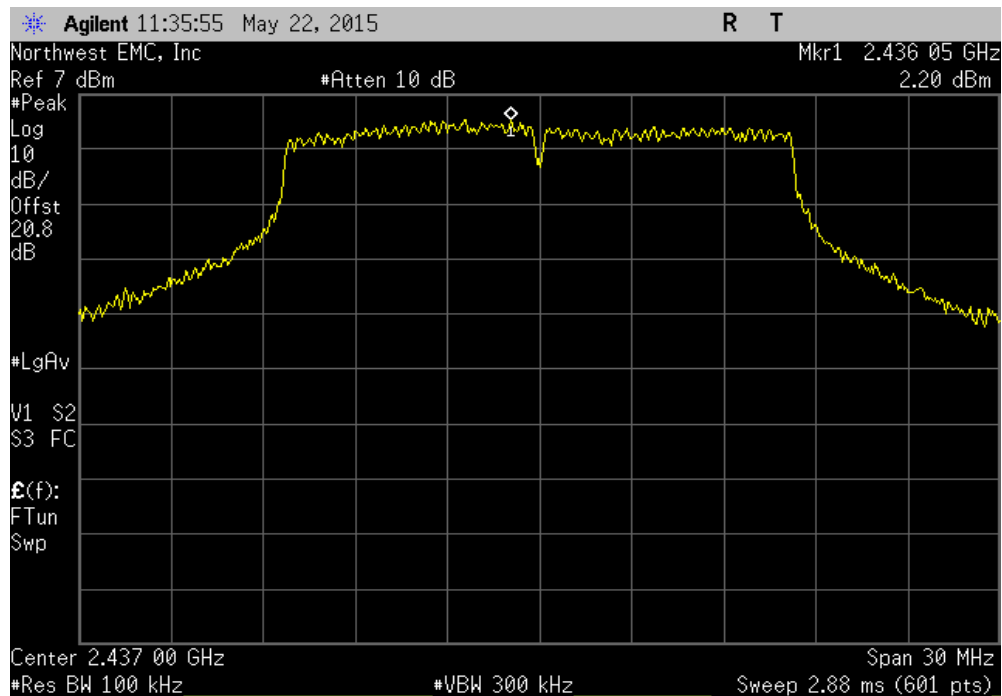


POWER SPECTRAL DENSITY

20 MHz, Chain B, 802.11(g) 36 Mbps, Low Channel 1, 2412 MHz						
Value		Limit		Results		
dBm/100kHz		dBm/3kHz				
2.002		8		Pass		

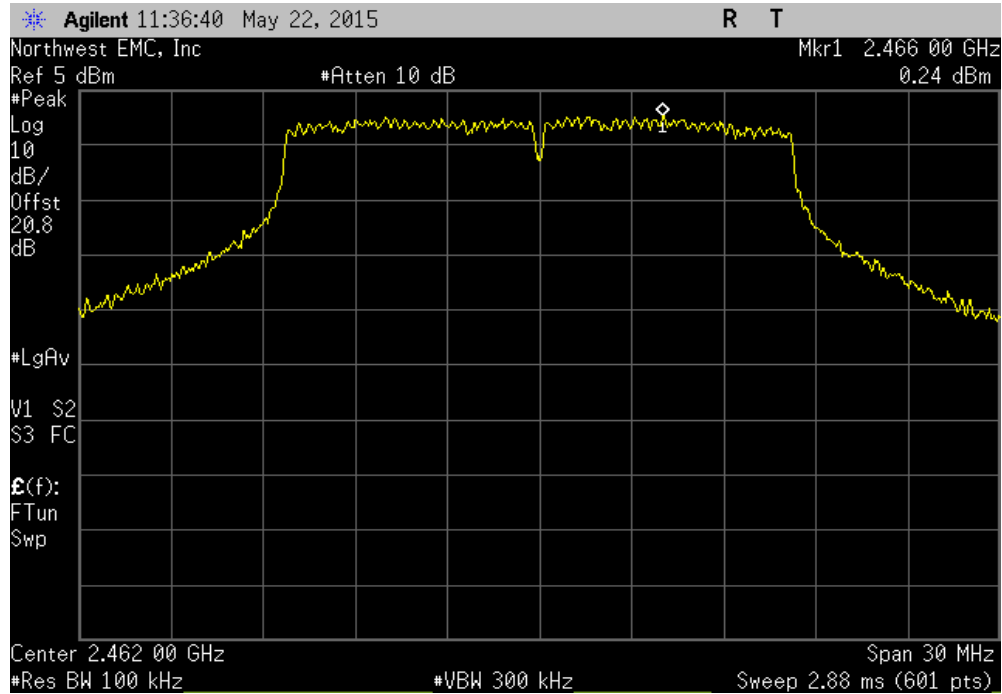


20 MHz, Chain B, 802.11(g) 36 Mbps, Mid Channel 6, 2437 MHz						
Value		Limit		Results		
dBm/100kHz		dBm/3kHz				
2.198		8		Pass		

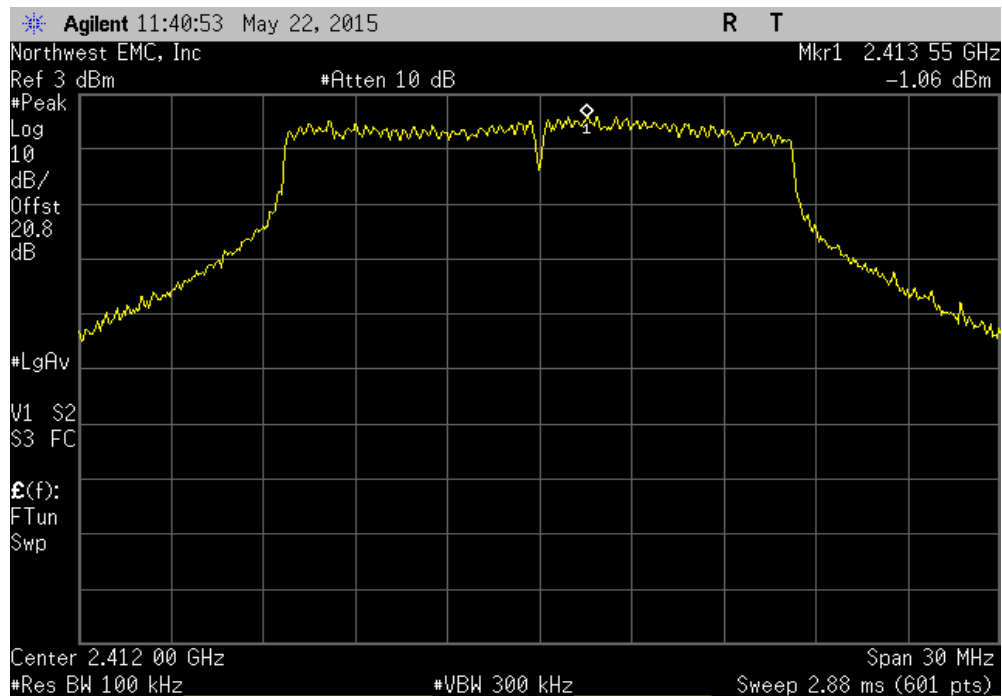


POWER SPECTRAL DENSITY

20 MHz, Chain B, 802.11(g) 36 Mbps, High Channel 11, 2462 MHz						
Value			Limit		Results	
dBm/100kHz			dBm/3kHz			
0.244			8		Pass	

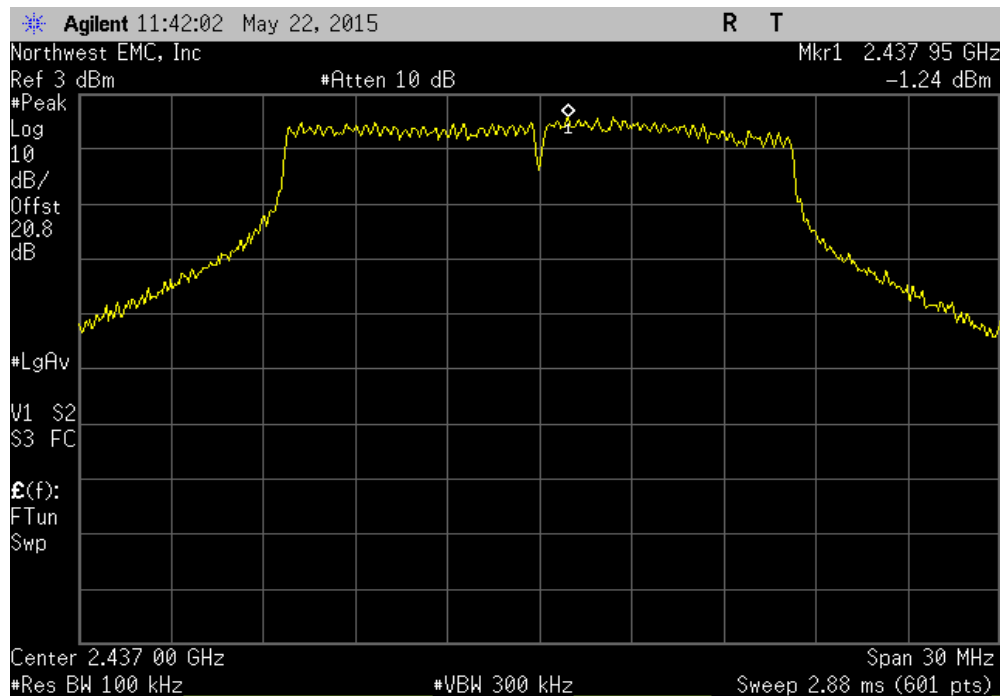


20 MHz, Chain B, 802.11(g) 54 Mbps, Low Channel 1, 2412 MHz						
Value			Limit		Results	
dBm/100kHz			dBm/3kHz			
-1.06			8		Pass	

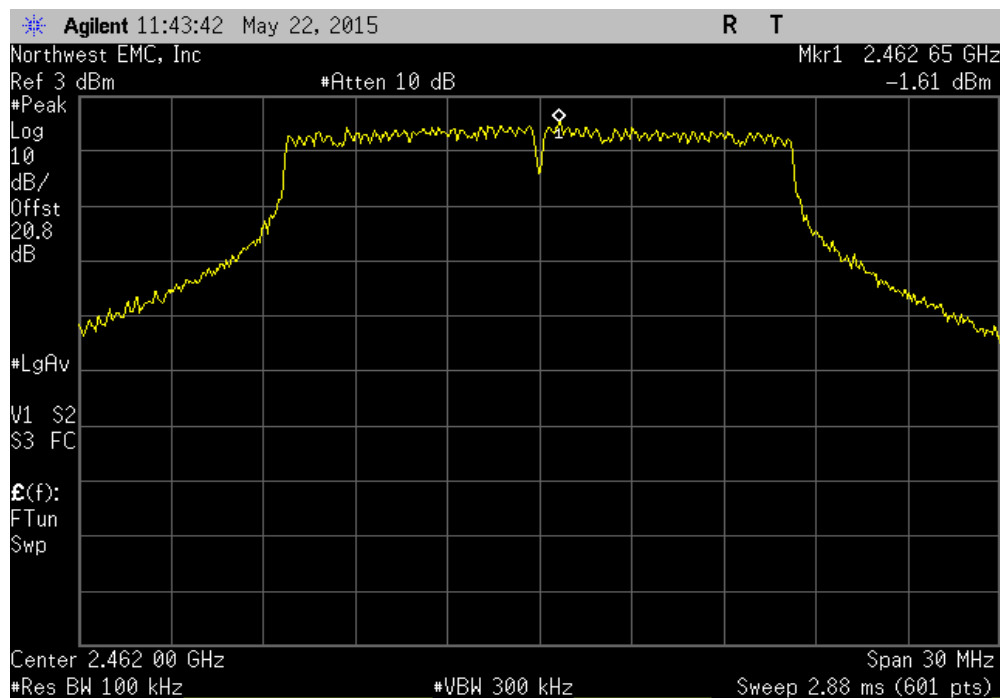


POWER SPECTRAL DENSITY

20 MHz, Chain B, 802.11(g) 54 Mbps, Mid Channel 6, 2437 MHz						
Value			Limit		Results	
dBm/100kHz			dBm/3kHz			
-1.238			8		Pass	

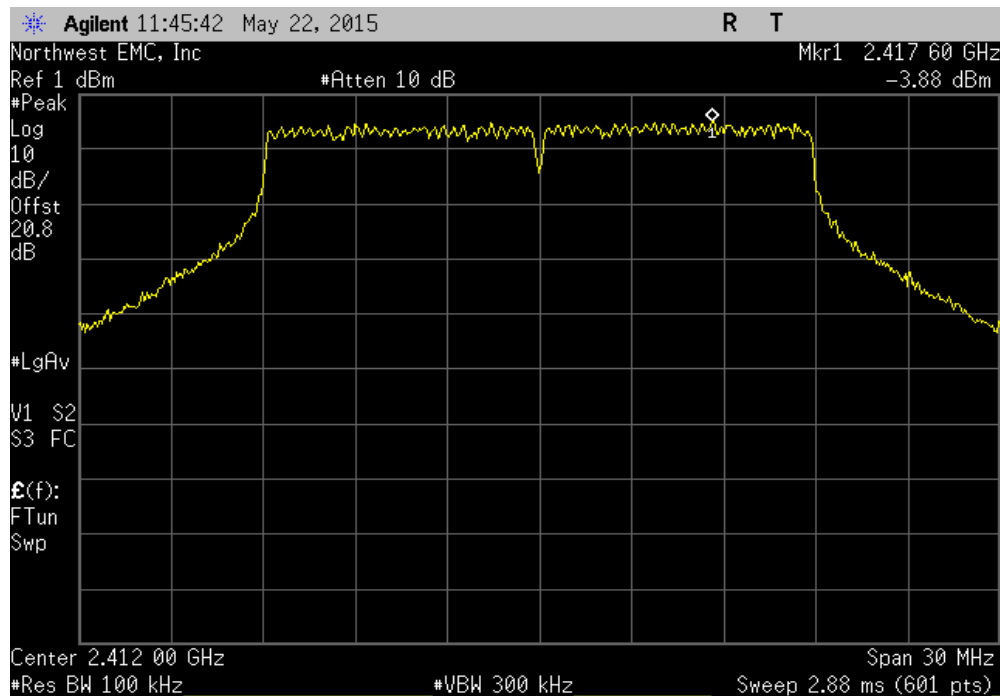


20 MHz, Chain B, 802.11(g) 54 Mbps, High Channel 11, 2462 MHz						
Value			Limit		Results	
dBm/100kHz			dBm/3kHz			
-1.611			8		Pass	

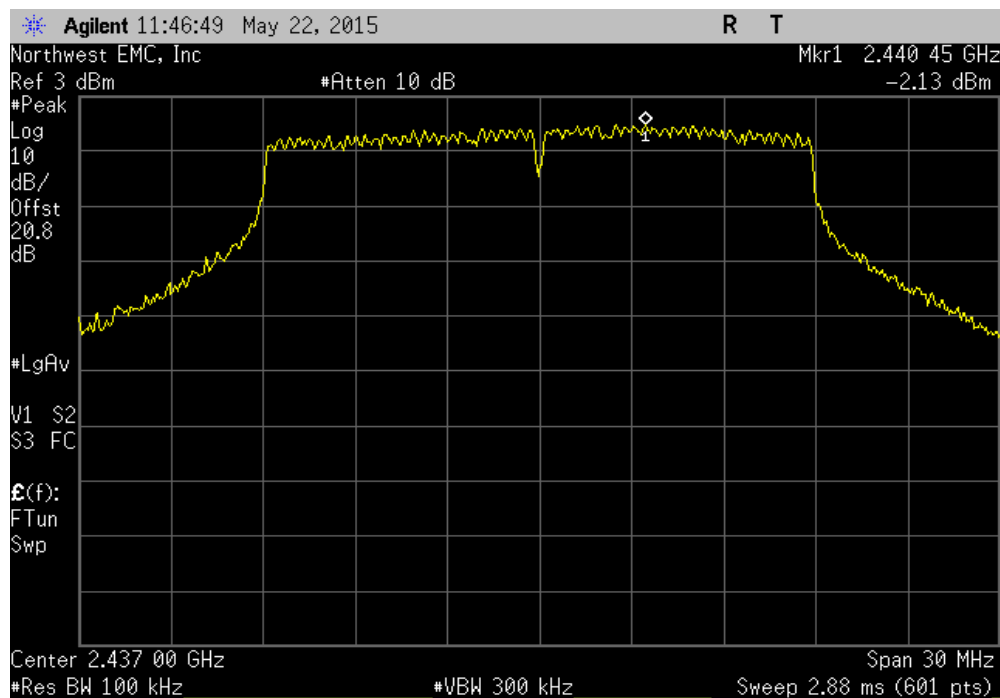


POWER SPECTRAL DENSITY

20 MHz, Chain B, 802.11(n) MCS0, Low Channel 1, 2412 MHz						
Value			Limit		Results	
dBm/100kHz			dBm/3kHz			
-3.878			8		Pass	

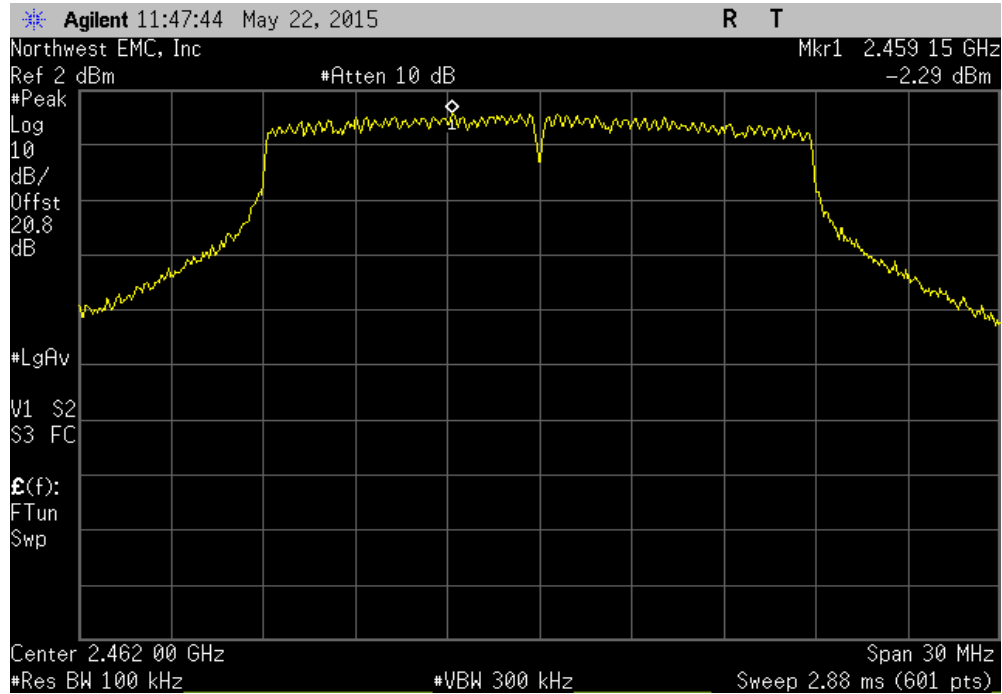


20 MHz, Chain B, 802.11(n) MCS0, Mid Channel 6, 2437 MHz						
Value			Limit		Results	
dBm/100kHz			dBm/3kHz			
-2.126			8		Pass	

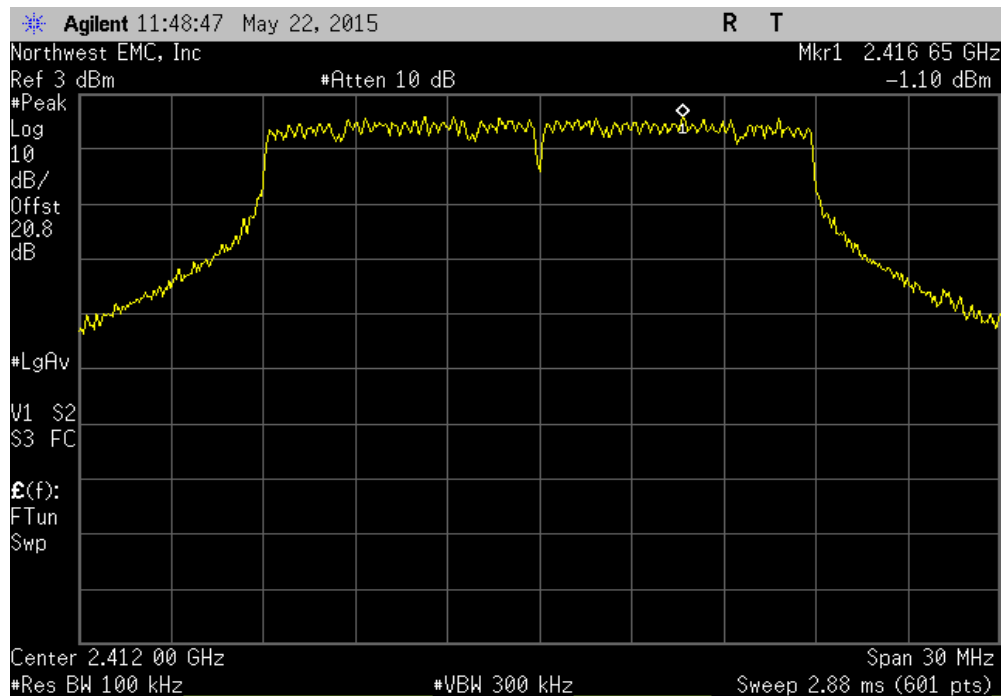


POWER SPECTRAL DENSITY

20 MHz, Chain B, 802.11(n) MCS0, High Channel 11, 2462 MHz						
Value			Limit		Results	
dBm/100kHz			dBm/3kHz			
-2.292			8		Pass	

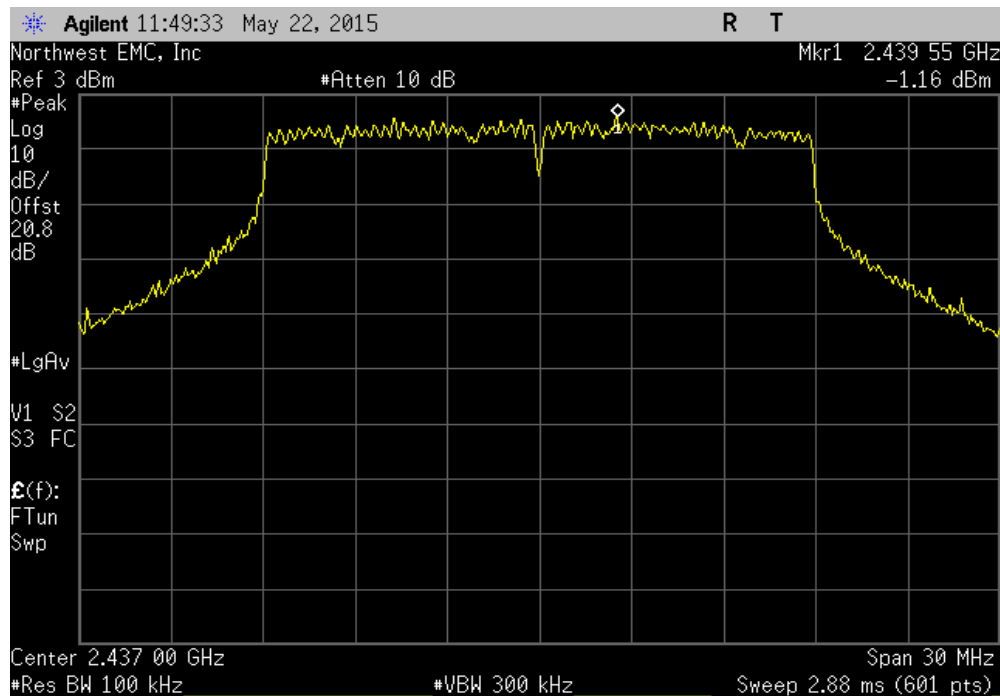


20 MHz, Chain B, 802.11(n) MCS7, Low Channel 1, 2412 MHz						
Value			Limit		Results	
dBm/100kHz			dBm/3kHz			
-1.096			8		Pass	

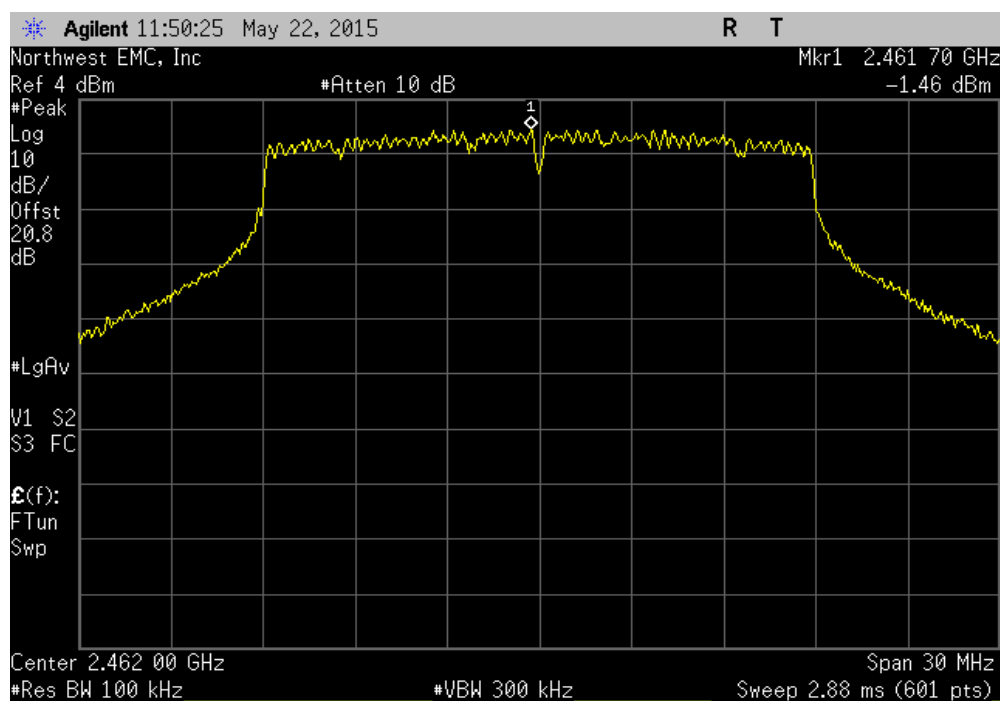


POWER SPECTRAL DENSITY

20 MHz, Chain B, 802.11(n) MCS7, Mid Channel 6, 2437 MHz						
Value			Limit		Results	
dBm/100kHz			dBm/3kHz			
-1.156			8		Pass	

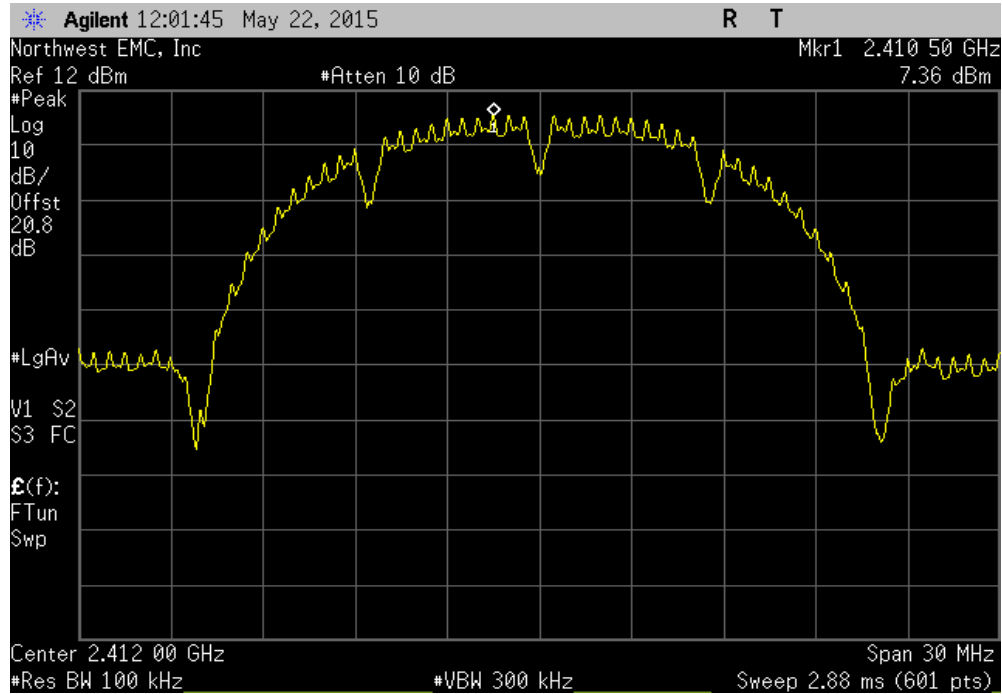


20 MHz, Chain B, 802.11(n) MCS7, High Channel 11, 2462 MHz						
Value			Limit		Results	
dBm/100kHz			dBm/3kHz			
-1.456			8		Pass	

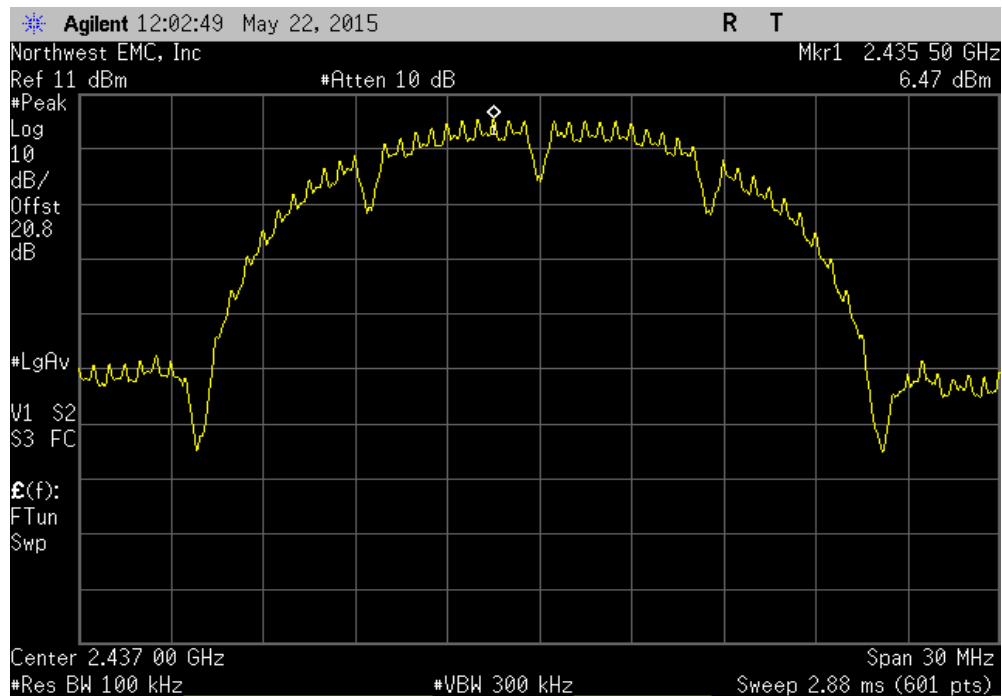


POWER SPECTRAL DENSITY

20 MHz, Chain C, 802.11(b) 1 Mbps, Low Channel 1, 2412 MHz						
Value			Limit		Results	
dBm/100kHz			dBm/3kHz			
7.358			8		Pass	

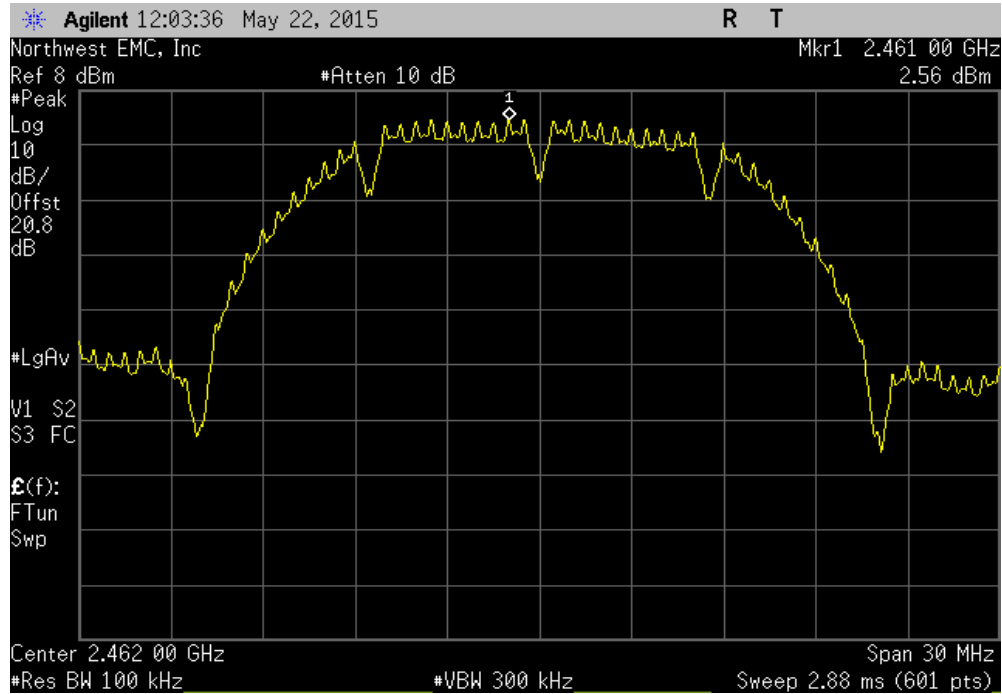


20 MHz, Chain C, 802.11(b) 1 Mbps, Mid Channel 6, 2437 MHz						
Value			Limit		Results	
dBm/100kHz			dBm/3kHz			
6.465			8		Pass	

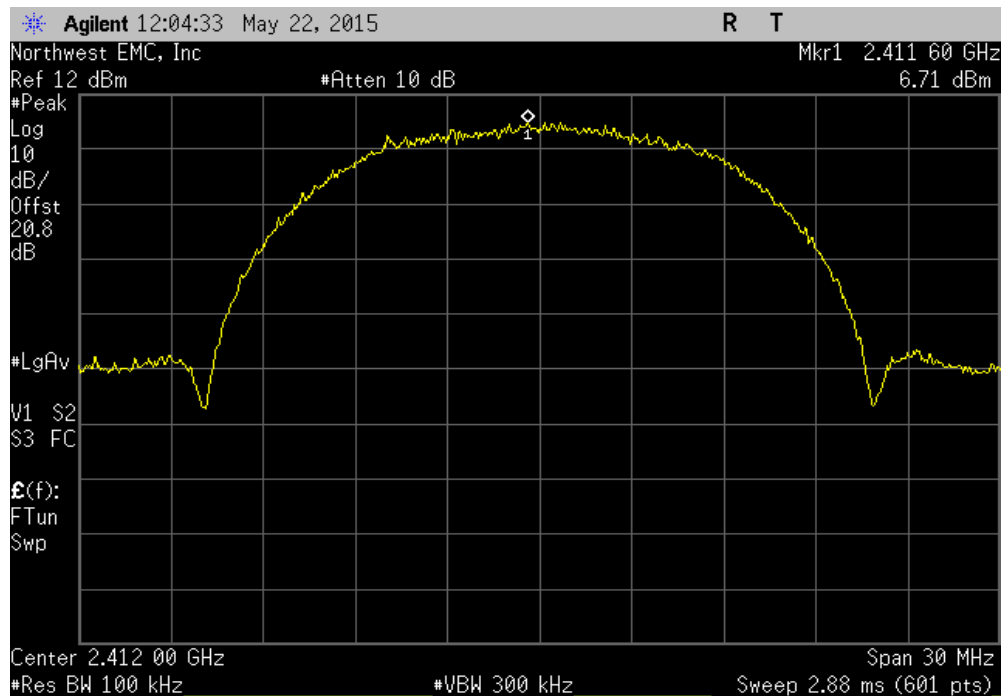


POWER SPECTRAL DENSITY

20 MHz, Chain C, 802.11(b) 1 Mbps, High Channel 11, 2462 MHz						
Value			Limit		Results	
dBm/100kHz			dBm/3kHz			
2.555			8		Pass	

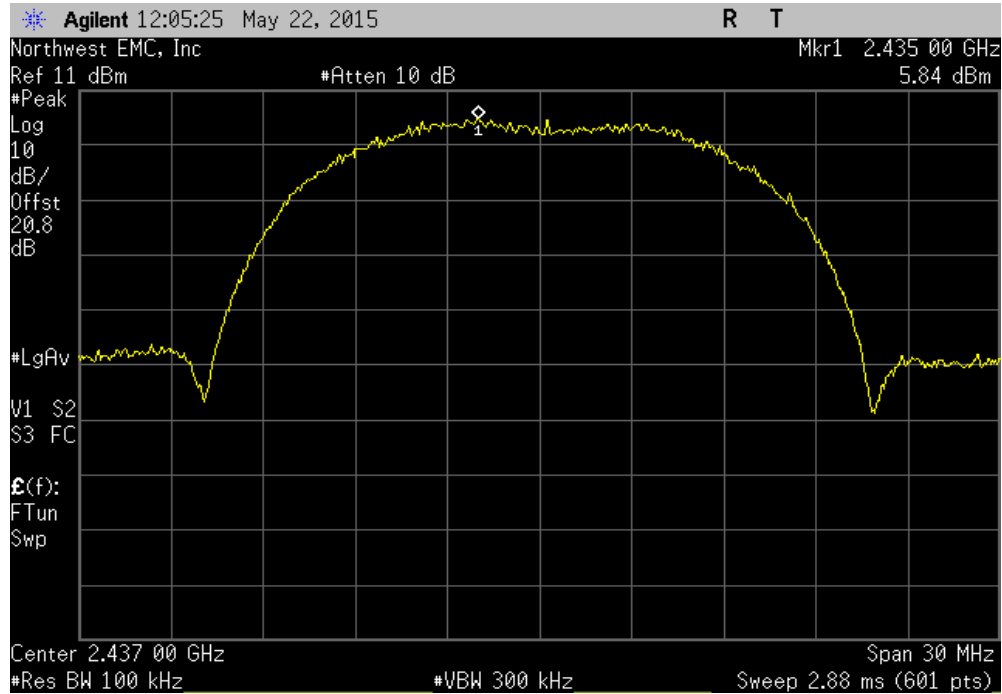


20 MHz, Chain C, 802.11(b) 11 Mbps, Low Channel 1, 2412 MHz						
Value			Limit		Results	
dBm/100kHz			dBm/3kHz			
6.708			8		Pass	

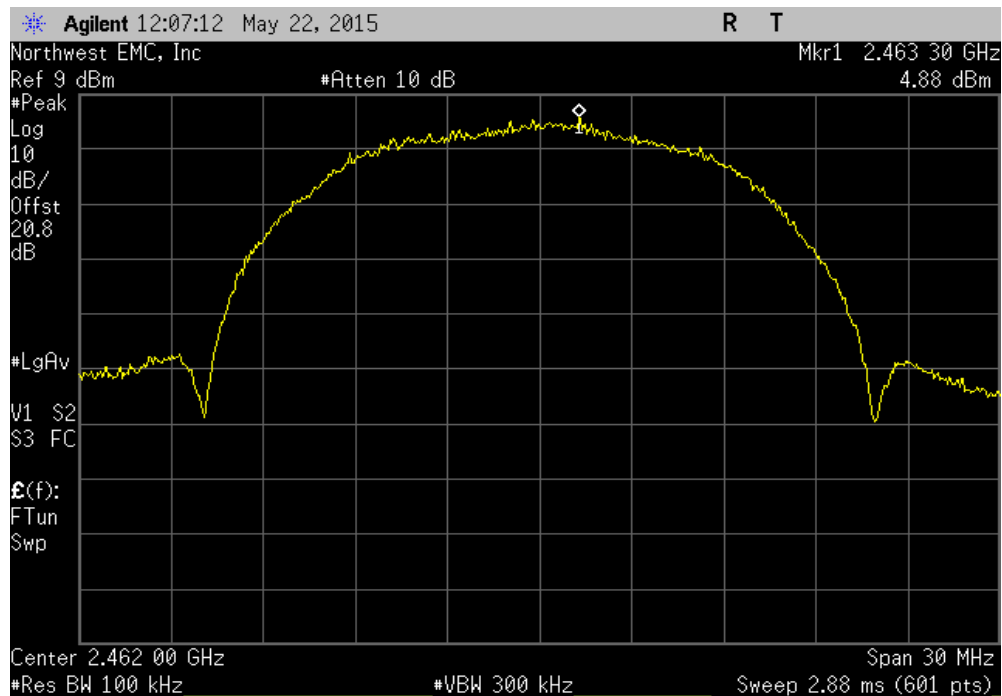


POWER SPECTRAL DENSITY

20 MHz, Chain C, 802.11(b) 11 Mbps, Mid Channel 6, 2437 MHz						
Value			Limit		Results	
dBm/100kHz			dBm/3kHz			
5.84			8		Pass	

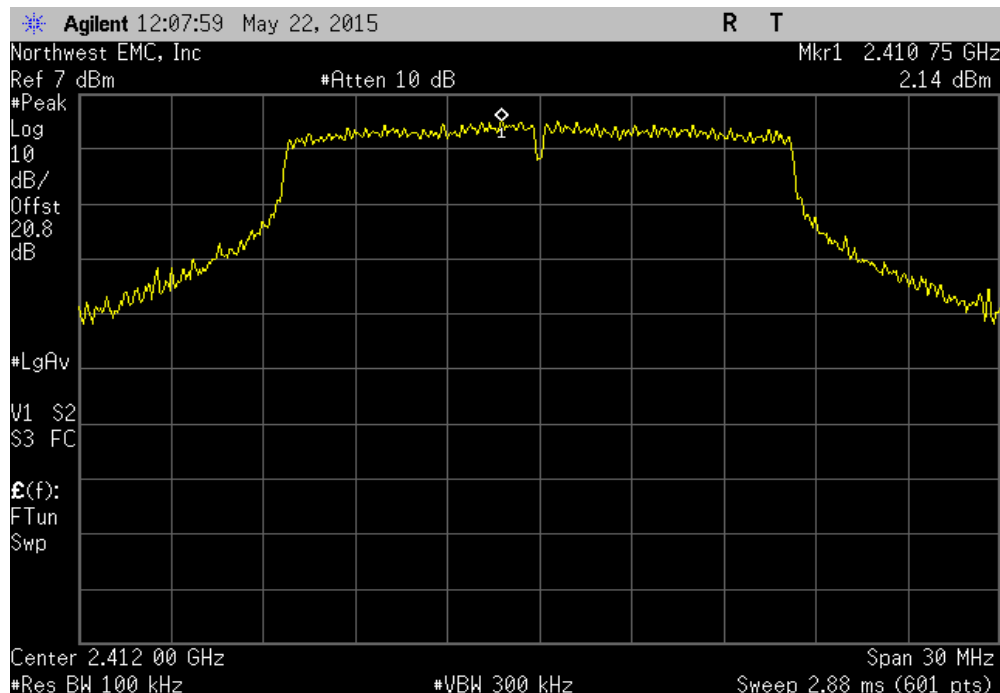


20 MHz, Chain C, 802.11(b) 11 Mbps, High Channel 11, 2462 MHz						
Value			Limit		Results	
dBm/100kHz			dBm/3kHz			
4.88			8		Pass	

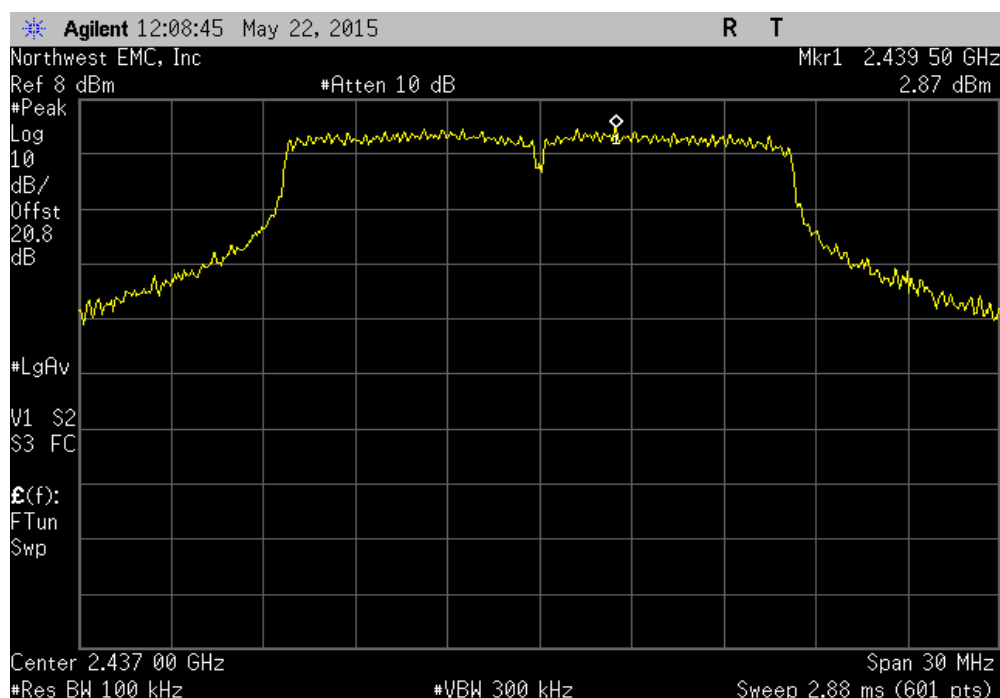


POWER SPECTRAL DENSITY

20 MHz, Chain C, 802.11(g) 6 Mbps, Low Channel 1, 2412 MHz						
Value			Limit		Results	
dBm/100kHz			dBm/3kHz			
2.145			8		Pass	

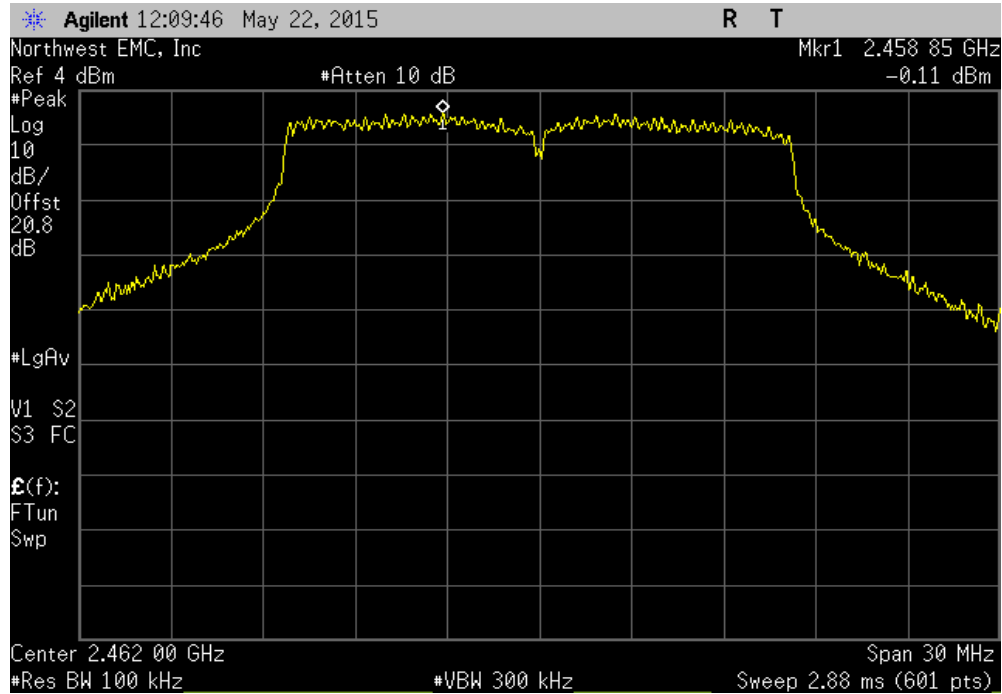


20 MHz, Chain C, 802.11(g) 6 Mbps, Mid Channel 6, 2437 MHz						
Value			Limit		Results	
dBm/100kHz			dBm/3kHz			
2.871			8		Pass	

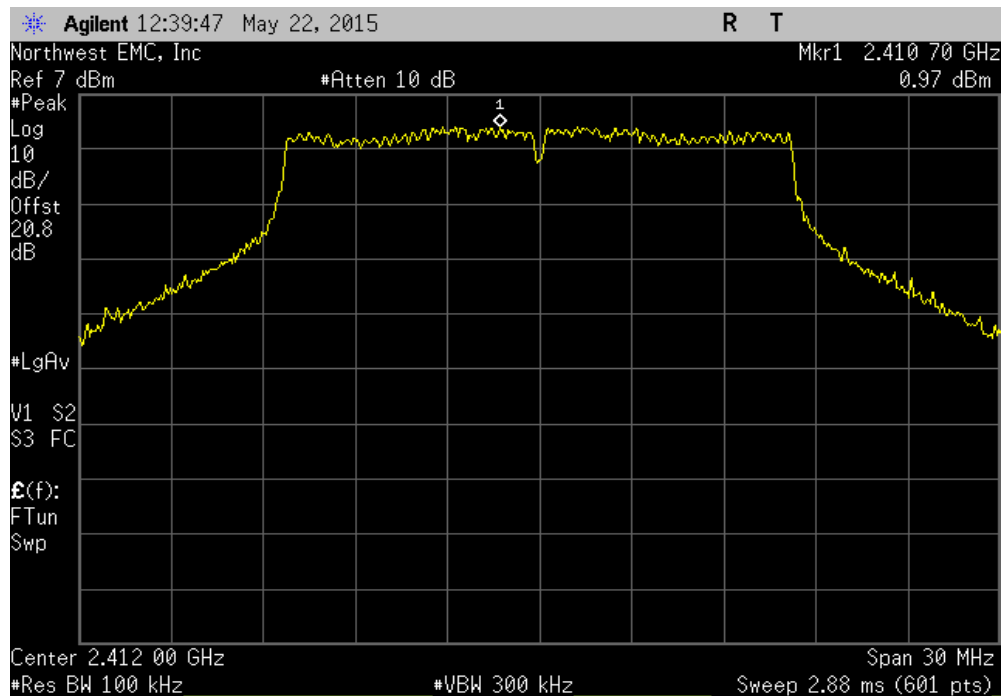


POWER SPECTRAL DENSITY

20 MHz, Chain C, 802.11(g) 6 Mbps, High Channel 11, 2462 MHz						
Value			Limit		Results	
dBm/100kHz			dBm/3kHz			
-0.11			8		Pass	

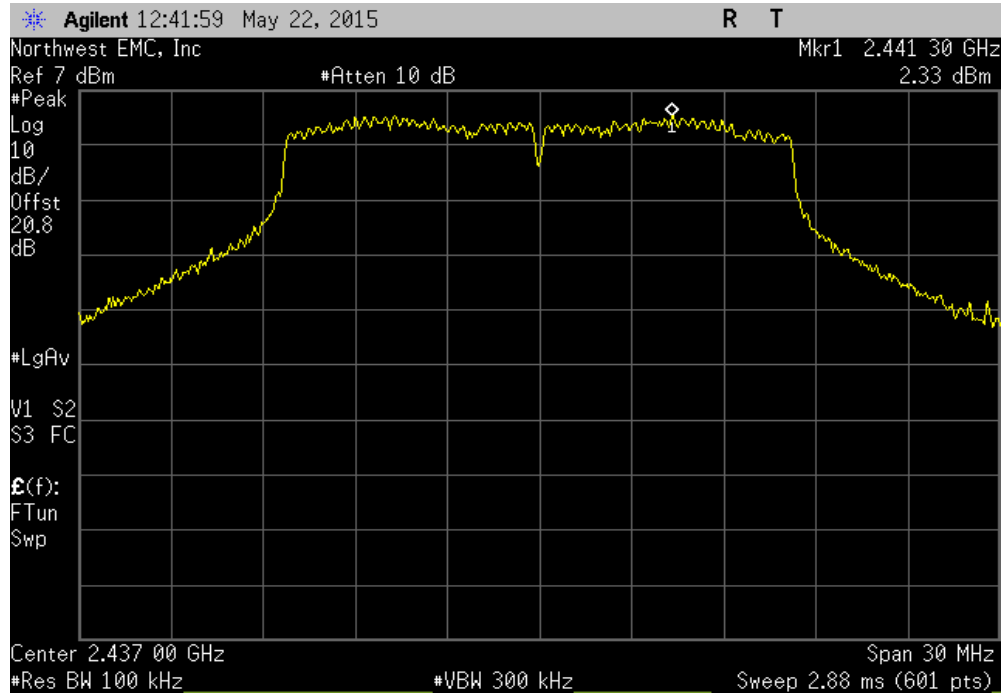


20 MHz, Chain C, 802.11(g) 36 Mbps, Low Channel 1, 2412 MHz						
Value			Limit		Results	
dBm/100kHz			dBm/3kHz			
0.974			8		Pass	

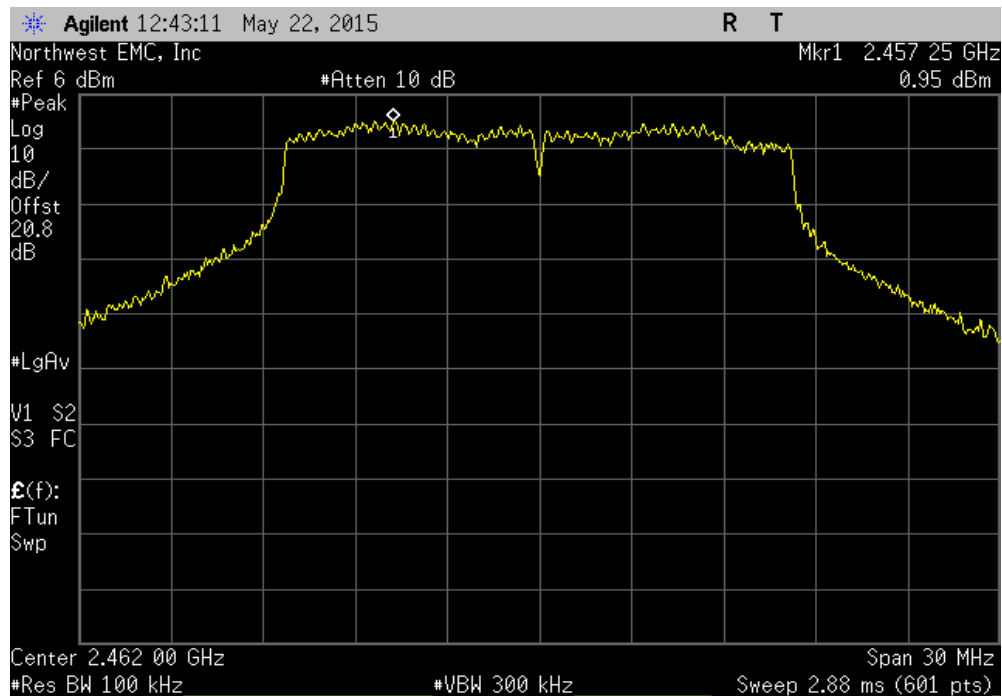


POWER SPECTRAL DENSITY

20 MHz, Chain C, 802.11(g) 36 Mbps, Mid Channel 6, 2437 MHz						
Value			Limit		Results	
dBm/100kHz			dBm/3kHz			
2.334			8		Pass	

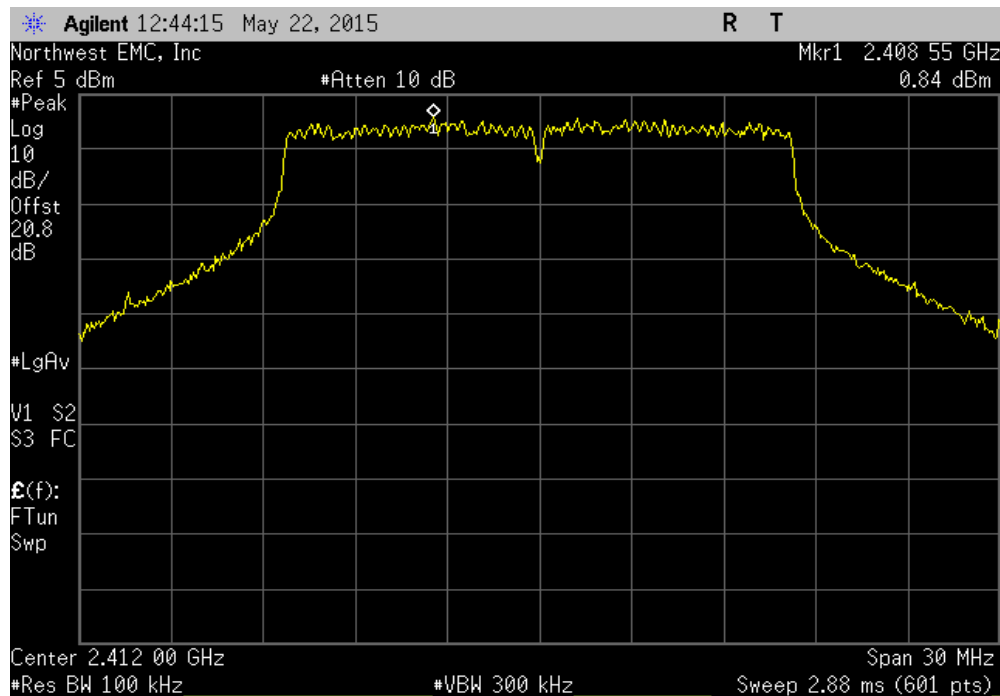


20 MHz, Chain C, 802.11(g) 36 Mbps, High Channel 11, 2462 MHz						
Value			Limit		Results	
dBm/100kHz			dBm/3kHz			
0.953			8		Pass	

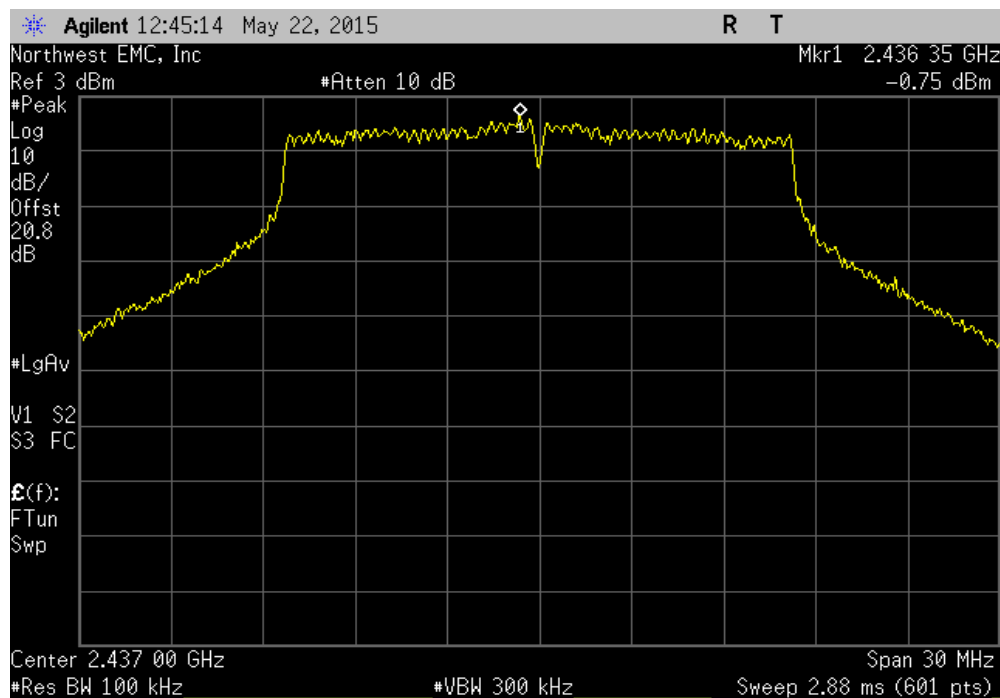


POWER SPECTRAL DENSITY

20 MHz, Chain C, 802.11(g) 54 Mbps, Low Channel 1, 2412 MHz					
Value			Limit		Results
dBm/100kHz			dBm/3kHz		
		0.842		8	Pass

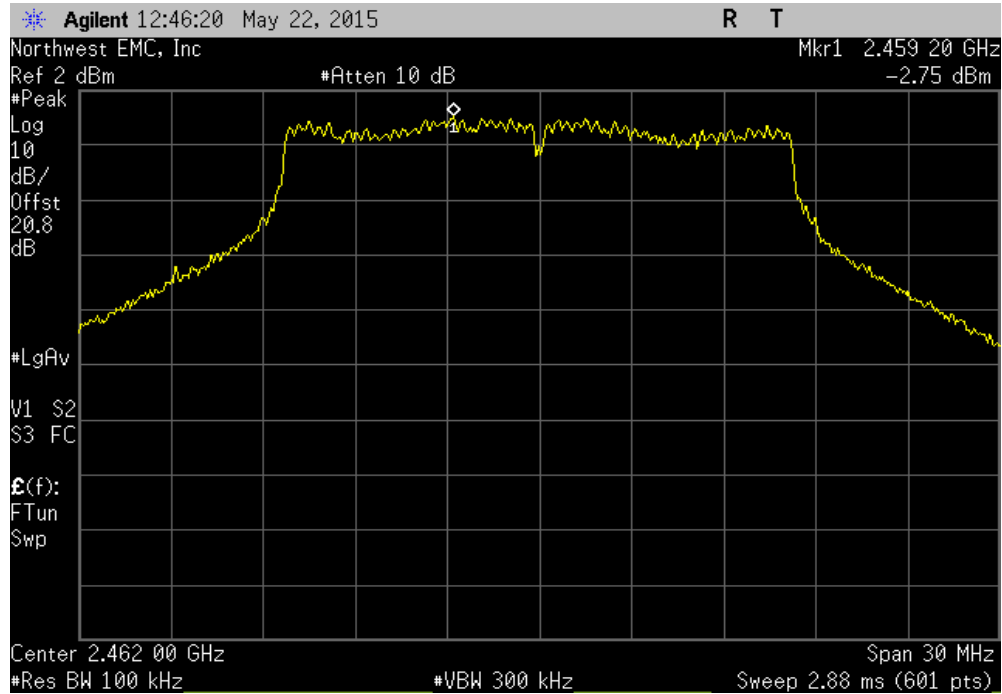


20 MHz, Chain C, 802.11(g) 54 Mbps, Mid Channel 6, 2437 MHz						
Value			Limit		Results	
dBm/100kHz			dBm/3kHz			
		-0.749		8	Pass	

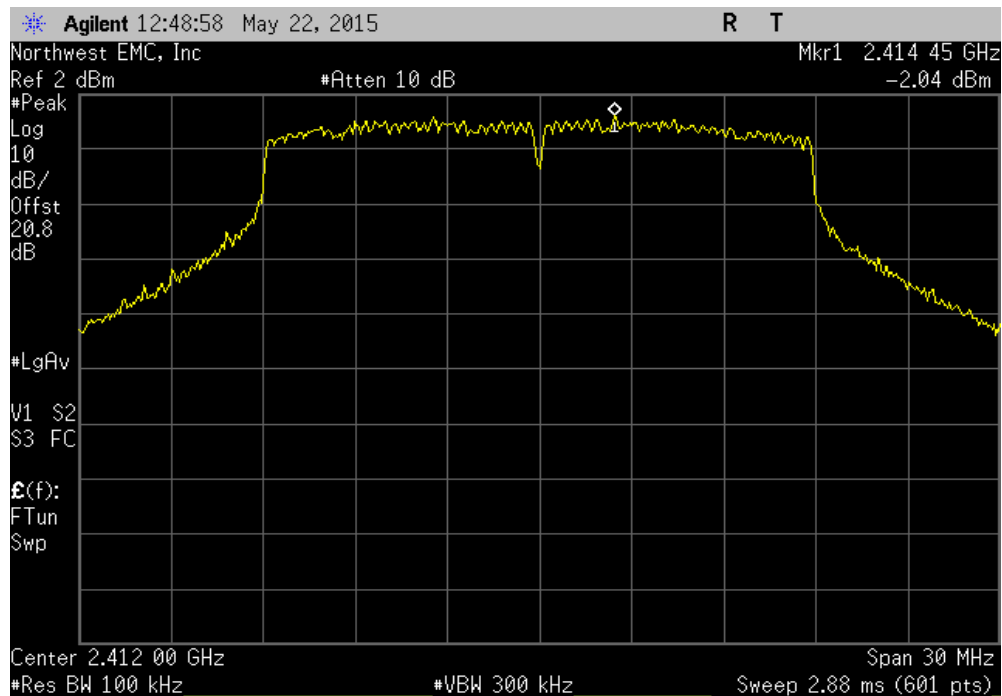


POWER SPECTRAL DENSITY

20 MHz, Chain C, 802.11(g) 54 Mbps, High Channel 11, 2462 MHz						
Value			Limit		Results	
dBm/100kHz			dBm/3kHz			
-2.753			8		Pass	

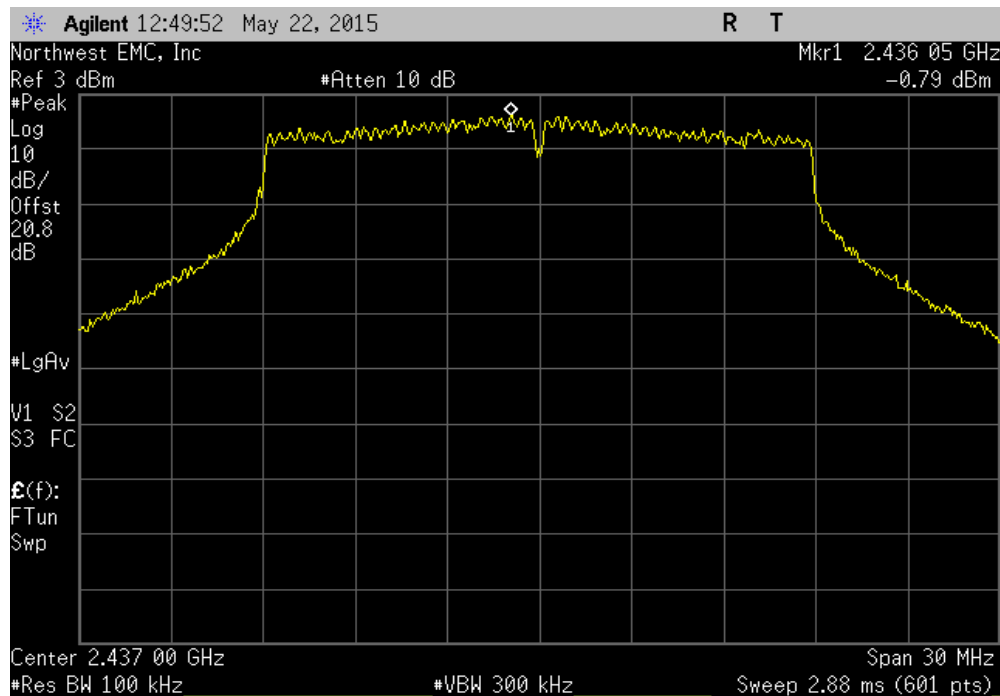


20 MHz, Chain C, 802.11(n) MCS0, Low Channel 1, 2412 MHz						
Value			Limit		Results	
dBm/100kHz			dBm/3kHz			
-2.043			8		Pass	

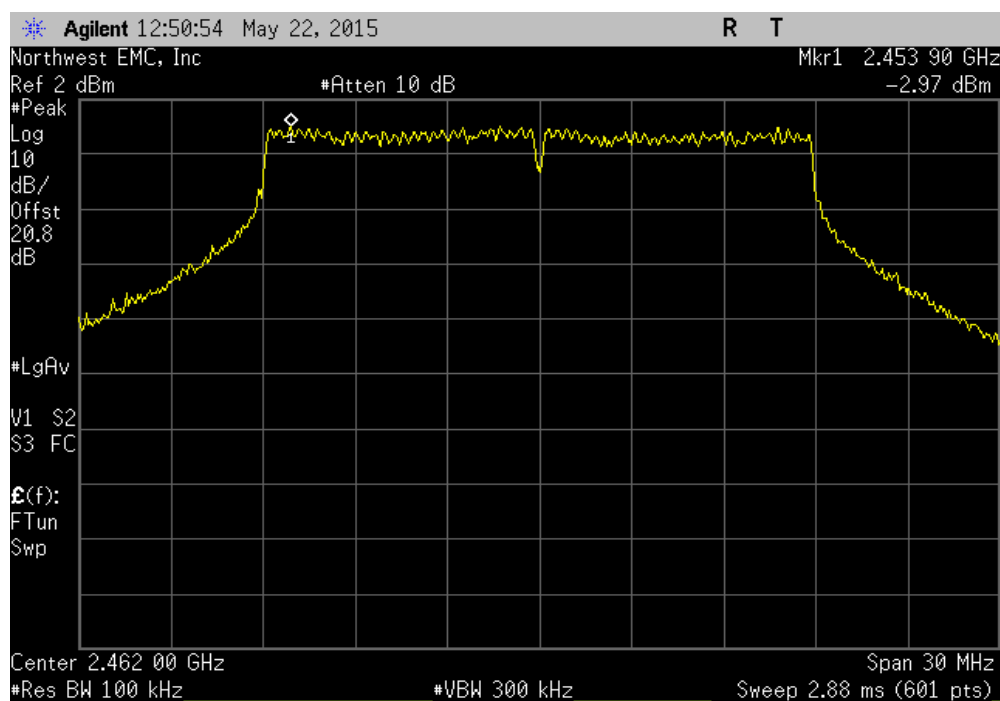


POWER SPECTRAL DENSITY

20 MHz, Chain C, 802.11(n) MCS0, Mid Channel 6, 2437 MHz						
Value			Limit		Results	
dBm/100kHz			dBm/3kHz			
-0.789			8		Pass	

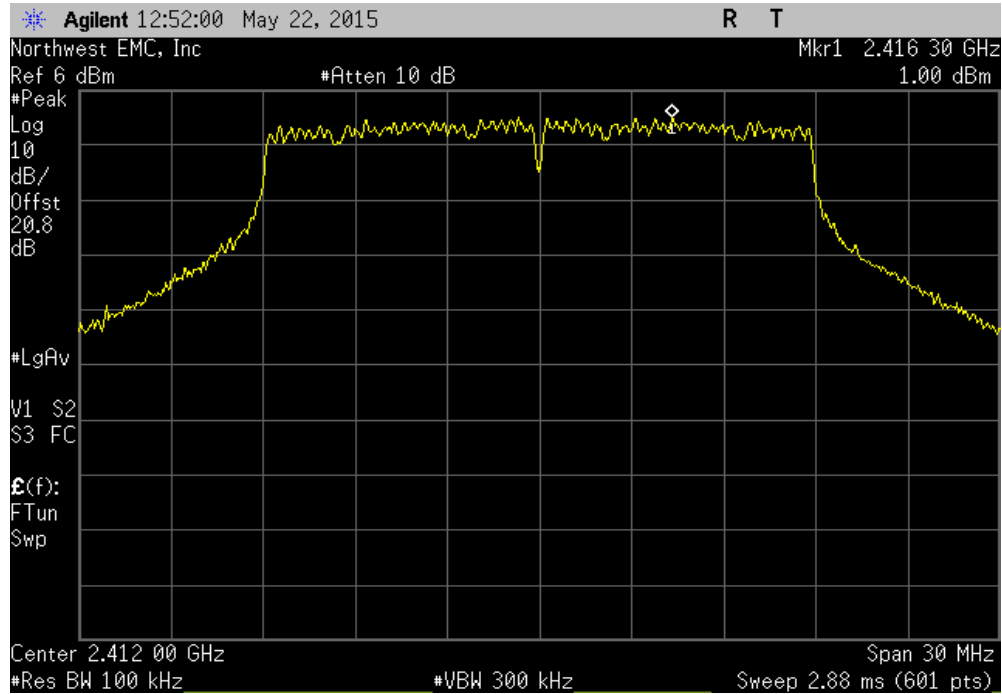


20 MHz, Chain C, 802.11(n) MCS0, High Channel 11, 2462 MHz						
Value			Limit		Results	
dBm/100kHz			dBm/3kHz			
-2.975			8		Pass	

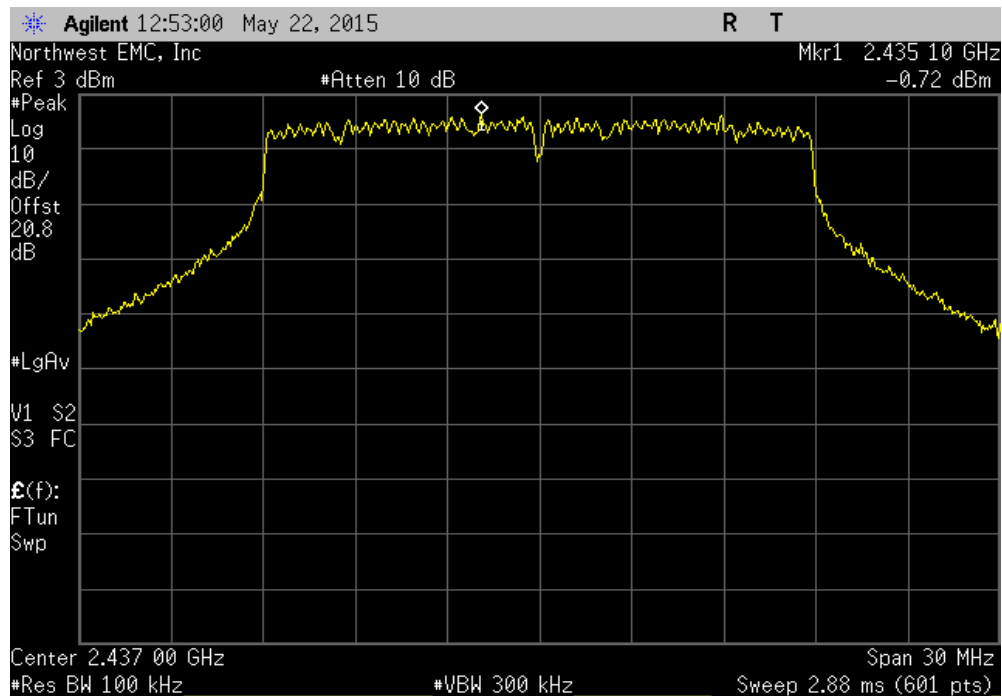


POWER SPECTRAL DENSITY

20 MHz, Chain C, 802.11(n) MCS7, Low Channel 1, 2412 MHz						
Value			Limit		Results	
dBm/100kHz			dBm/3kHz			
1			8		Pass	

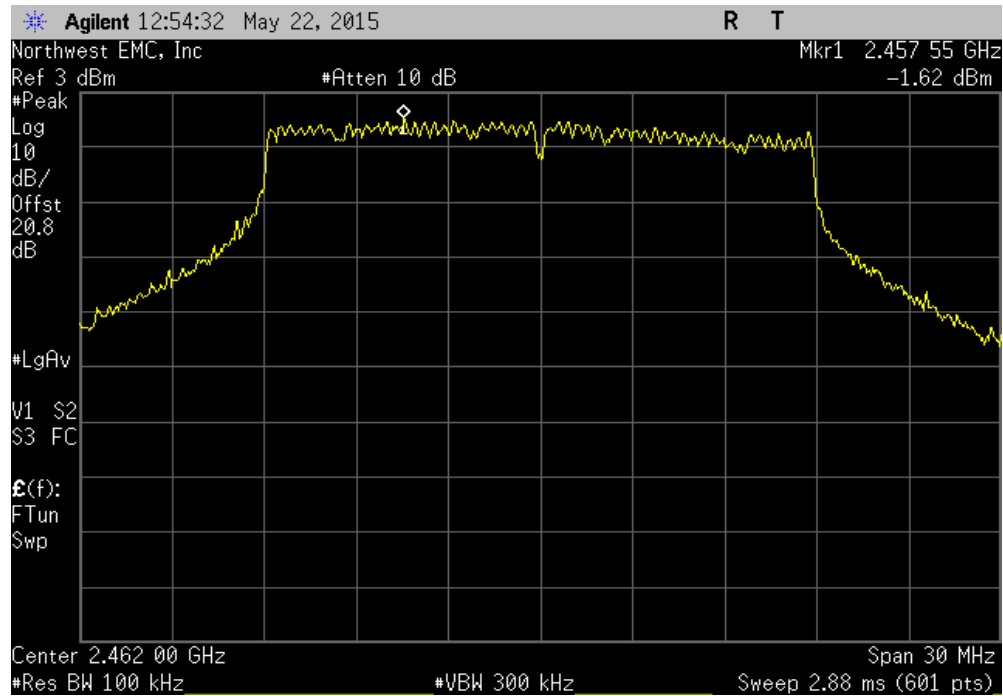


20 MHz, Chain C, 802.11(n) MCS7, Mid Channel 6, 2437 MHz						
Value			Limit		Results	
dBm/100kHz			dBm/3kHz			
-0.72			8		Pass	



POWER SPECTRAL DENSITY

20 MHz, Chain C, 802.11(n) MCS7, High Channel 11, 2462 MHz						
Value			Limit		Results	
dBm/100kHz			dBm/3kHz			
-1.618			8		Pass	

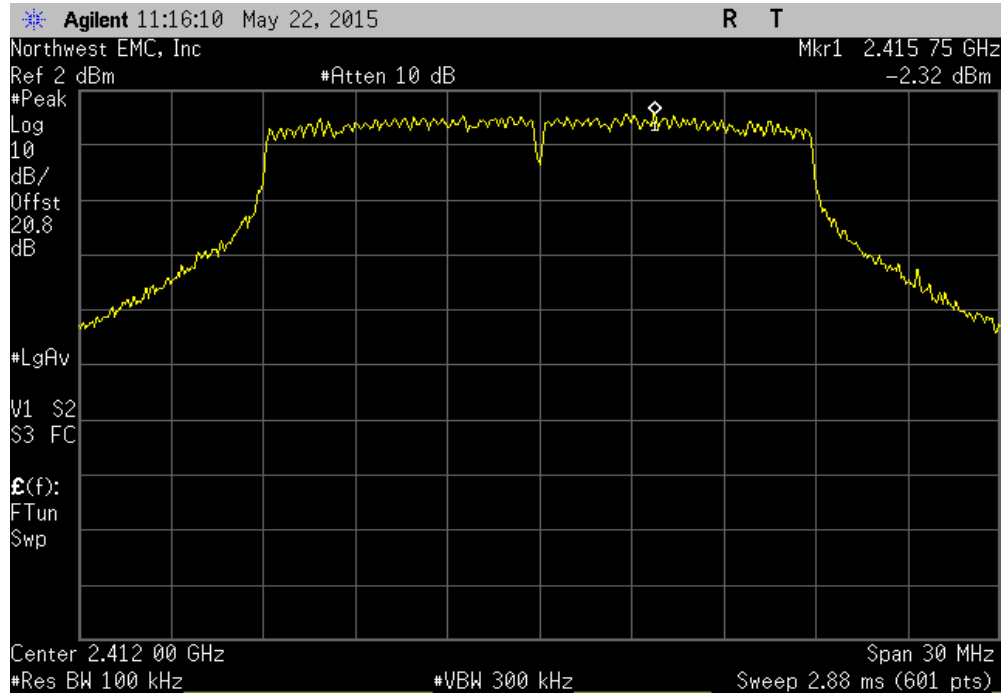


POWER SPECTRAL DENSITY

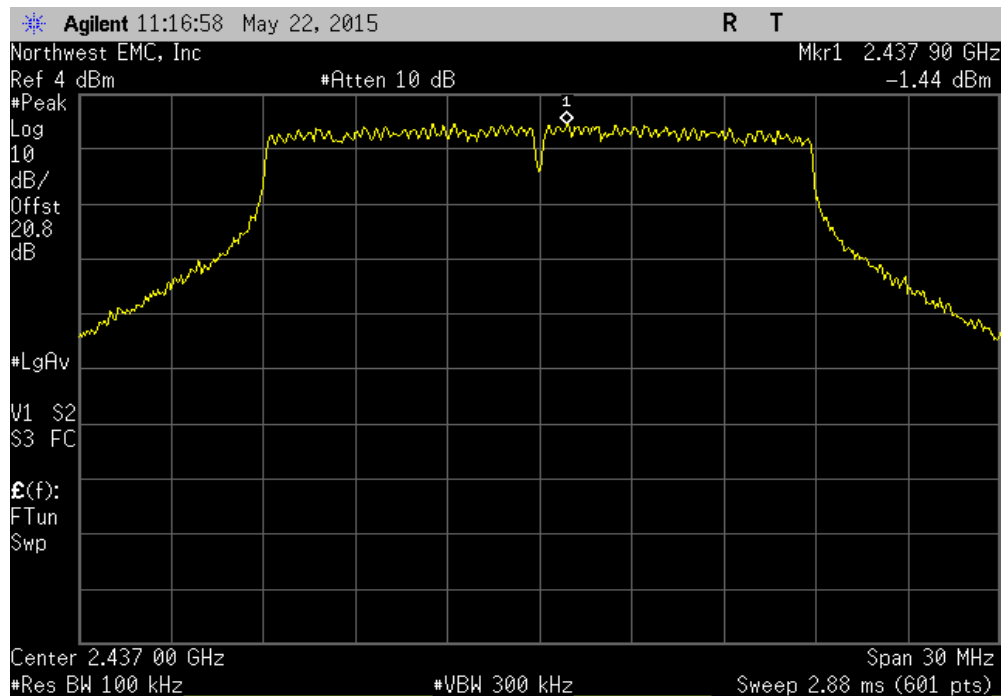
EUT: RLX2-IHNF		Work Order: PROS0222	
Serial Number: 000D8DF095CF		Date: 05/22/15	
Customer: ProSoft Technology, Inc.		Temperature: 24.4°C	
Attendees: None		Humidity: 44%	
Project: None		Barometric Pres.: 1021 mbar	
Tested by: Jonathan Kiefer, Jeremiah Darden		Power: 110VAC/60Hz	
Job Site: TX09			
TEST SPECIFICATIONS		Test Method	
FCC 15.247:2015		ANSI C63.10:2009	
COMMENTS			
Offset 20.8 dB (DC Block + 20dB Attenuator + Coax Cable) for 2.4 GHz.			
DEVIATIONS FROM TEST STANDARD			
None			
Configuration #	1	Signature 	
		Value	Limit
		dBm/100kHz	dBm/3kHz
			Results
20 MHz			
Chain A			
802.11(n) MCS8			
Low Channel 1, 2412 MHz		-2.316	8
Mid Channel 6, 2437 MHz		-1.439	8
High Channel 11, 2462 MHz		-0.161	8
802.11(n) MCS15			
Low Channel 1, 2412 MHz		-0.143	8
Mid Channel 6, 2437 MHz		-0.144	8
High Channel 11, 2462 MHz		0.415	8
Chain B			
802.11(n) MCS8			
Low Channel 1, 2412 MHz		-3.878	8
Mid Channel 6, 2437 MHz		-2.126	8
High Channel 11, 2462 MHz		-2.292	8
802.11(n) MCS15			
Low Channel 1, 2412 MHz		-1.096	8
Mid Channel 6, 2437 MHz		-1.156	8
High Channel 11, 2462 MHz		-1.456	8
Chain C			
802.11(n) MCS8			
Low Channel 1, 2412 MHz		-2.043	8
Mid Channel 6, 2437 MHz		-0.789	8
High Channel 11, 2462 MHz		-2.975	8
802.11(n) MCS15			
Low Channel 1, 2412 MHz		1	8
Mid Channel 6, 2437 MHz		-0.72	8
High Channel 11, 2462 MHz		-1.618	8
Power Summing, 20 MHz			
Chain A			
802.11(n) MCS8			
Low Channel 1, 2412 MHz		0	8
Mid Channel 6, 2437 MHz		0	8
High Channel 11, 2462 MHz		0	8
802.11(n) MCS15			
Low Channel 1, 2412 MHz		0	8
Mid Channel 6, 2437 MHz		0	8
High Channel 11, 2462 MHz		0	8
Chain B			
802.11(n) MCS8			
Low Channel 1, 2412 MHz		0	8
Mid Channel 6, 2437 MHz		0	8
High Channel 11, 2462 MHz		0	8
802.11(n) MCS15			
Low Channel 1, 2412 MHz		0	8
Mid Channel 6, 2437 MHz		0	8
High Channel 11, 2462 MHz		0	8
Chain C			
802.11(n) MCS8			
Low Channel 1, 2412 MHz		0	8
Mid Channel 6, 2437 MHz		0	8
High Channel 11, 2462 MHz		0	8
802.11(n) MCS15			
Low Channel 1, 2412 MHz		0	8
Mid Channel 6, 2437 MHz		0	8
High Channel 11, 2462 MHz		0	8

POWER SPECTRAL DENSITY

20 MHz, Chain A, 802.11(n) MCS8, Low Channel 1, 2412 MHz						
Value			Limit		Results	
dBm/100kHz			dBm/3kHz			
-2.316			8		Pass	

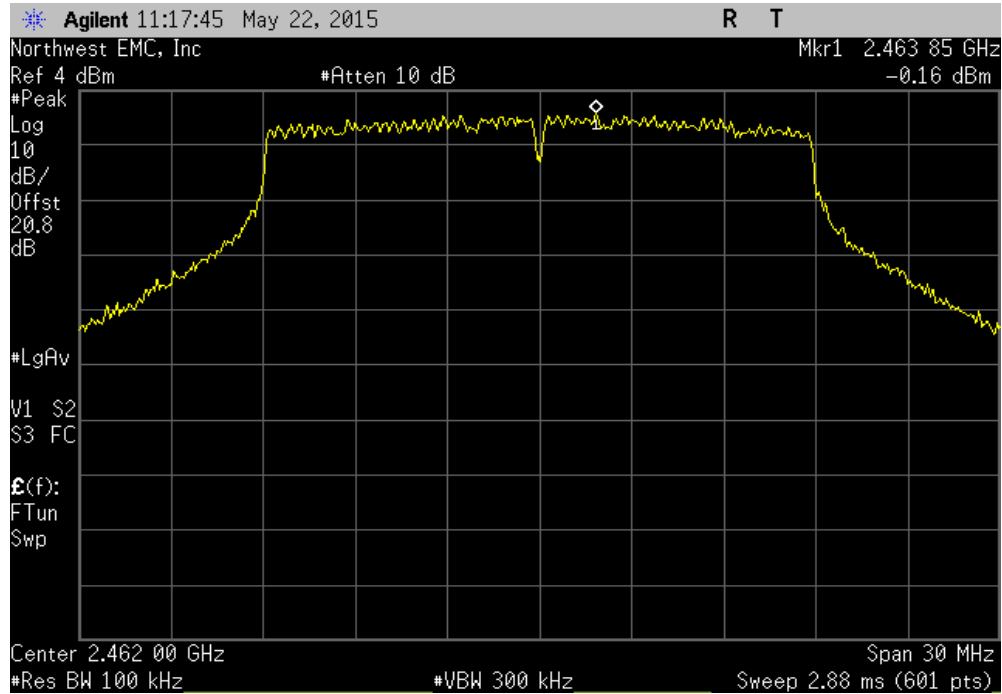


20 MHz, Chain A, 802.11(n) MCS8, Mid Channel 6, 2437 MHz						
Value			Limit		Results	
dBm/100kHz			dBm/3kHz			
-1.439			8		Pass	

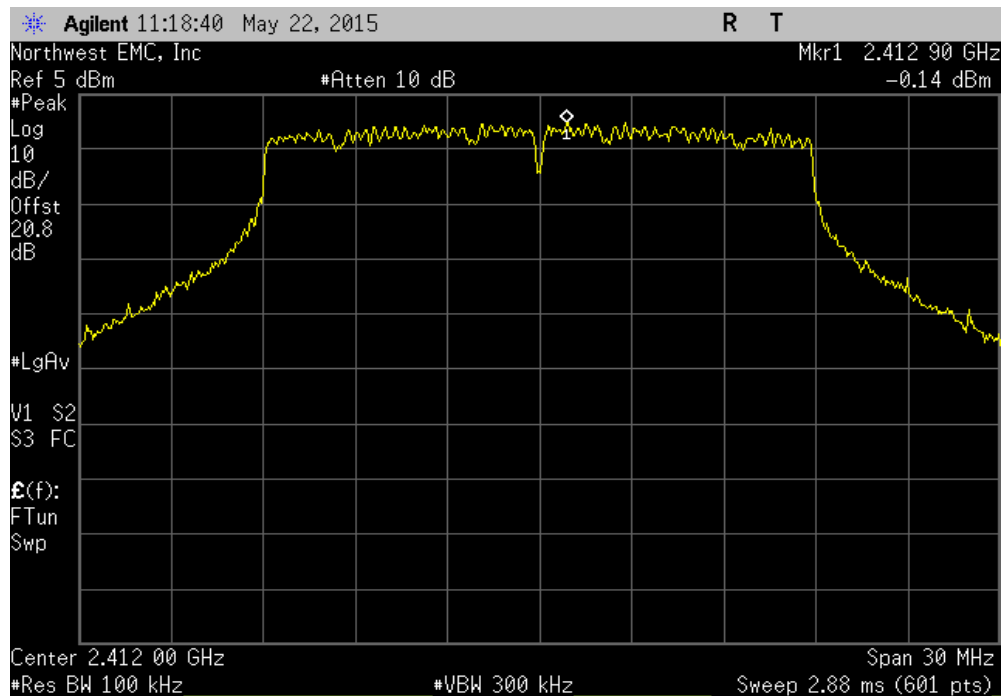


POWER SPECTRAL DENSITY

20 MHz, Chain A, 802.11(n) MCS8, High Channel 11, 2462 MHz						
Value			Limit		Results	
dBm/100kHz			dBm/3kHz			
-0.161			8		Pass	

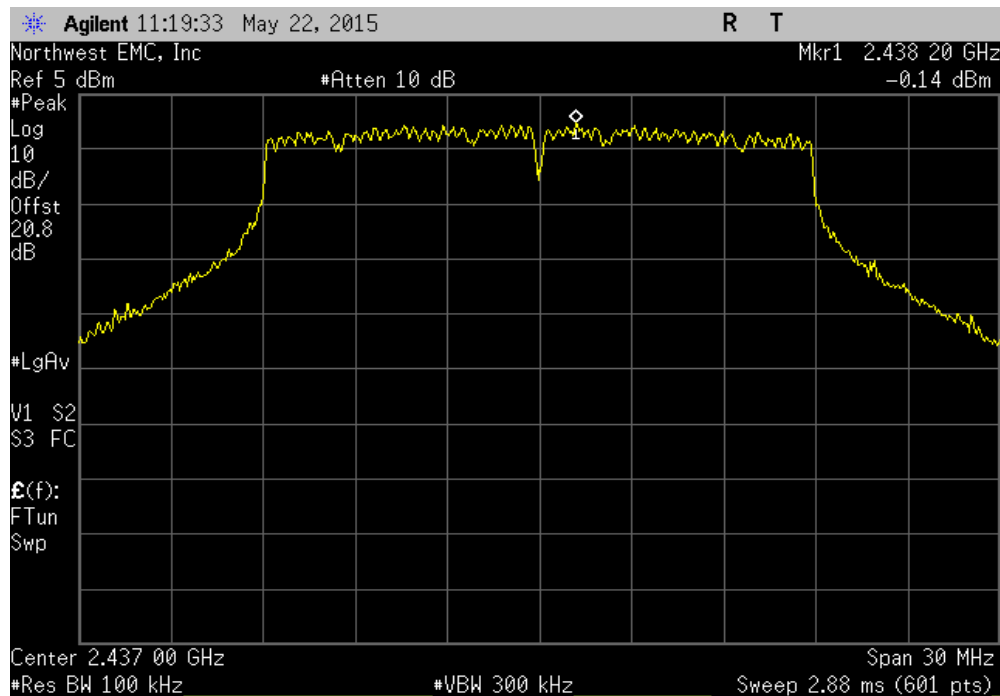


20 MHz, Chain A, 802.11(n) MCS15, Low Channel 1, 2412 MHz						
Value			Limit		Results	
dBm/100kHz			dBm/3kHz			
-0.143			8		Pass	

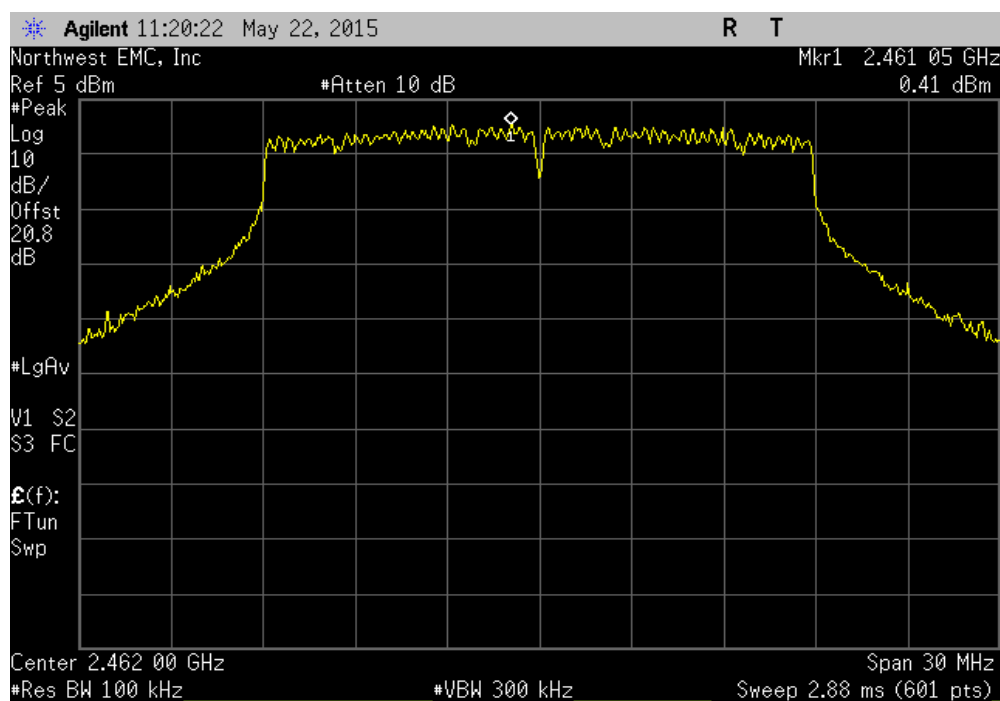


POWER SPECTRAL DENSITY

20 MHz, Chain A, 802.11(n) MCS15, Mid Channel 6, 2437 MHz						
Value			Limit		Results	
dBm/100kHz			dBm/3kHz			
-0.144			8		Pass	

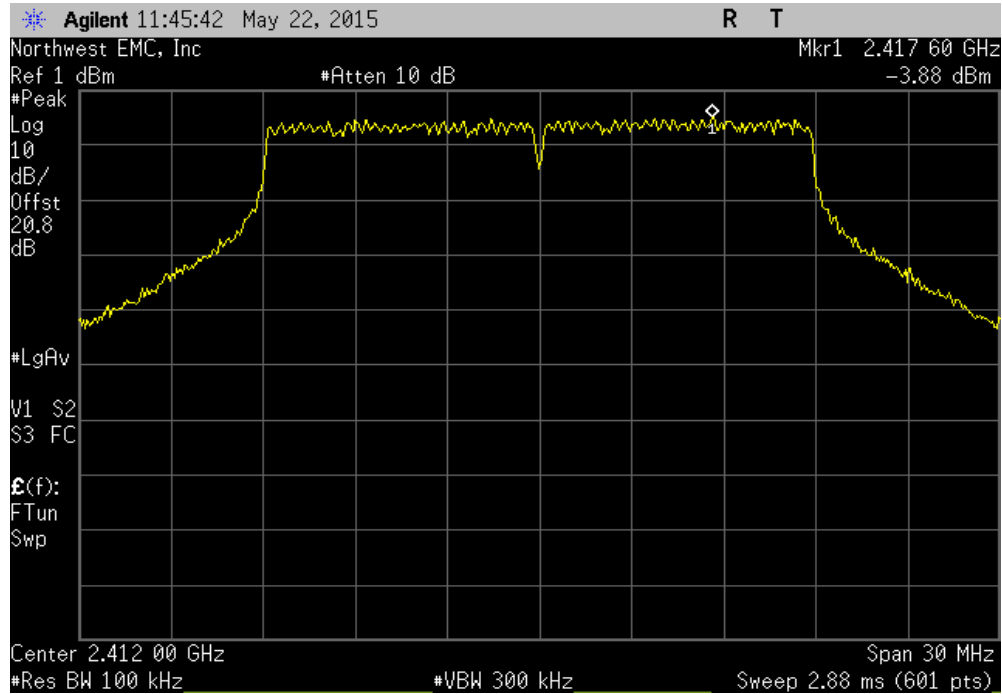


20 MHz, Chain A, 802.11(n) MCS15, High Channel 11, 2462 MHz						
Value			Limit		Results	
dBm/100kHz			dBm/3kHz			
0.415			8		Pass	

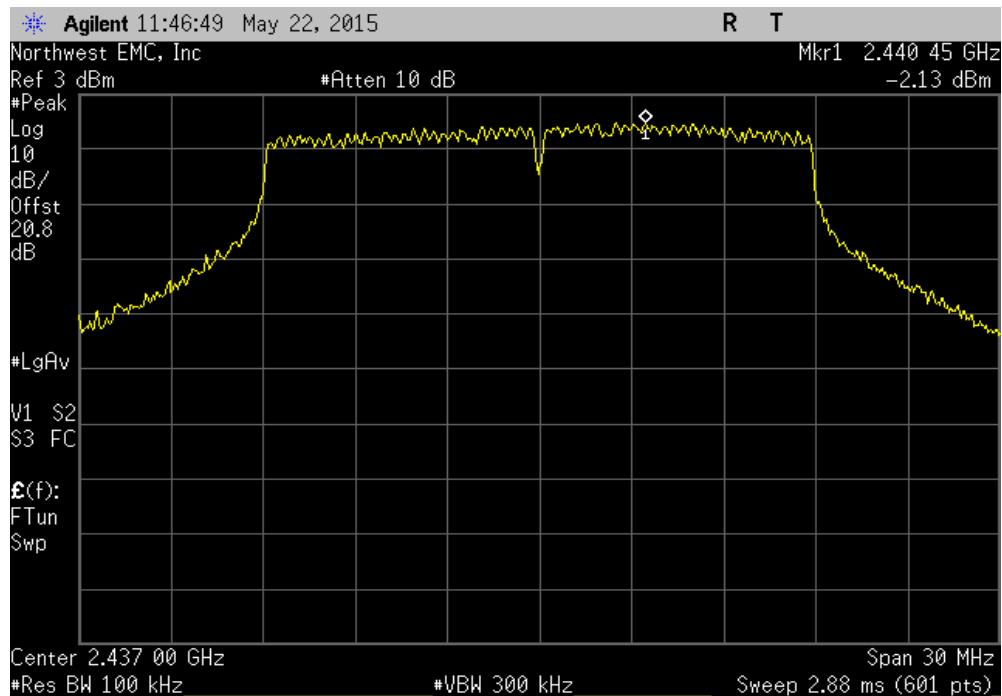


POWER SPECTRAL DENSITY

20 MHz, Chain B, 802.11(n) MCS8, Low Channel 1, 2412 MHz						
Value			Limit		Results	
dBm/100kHz			dBm/3kHz			
-3.878			8		Pass	

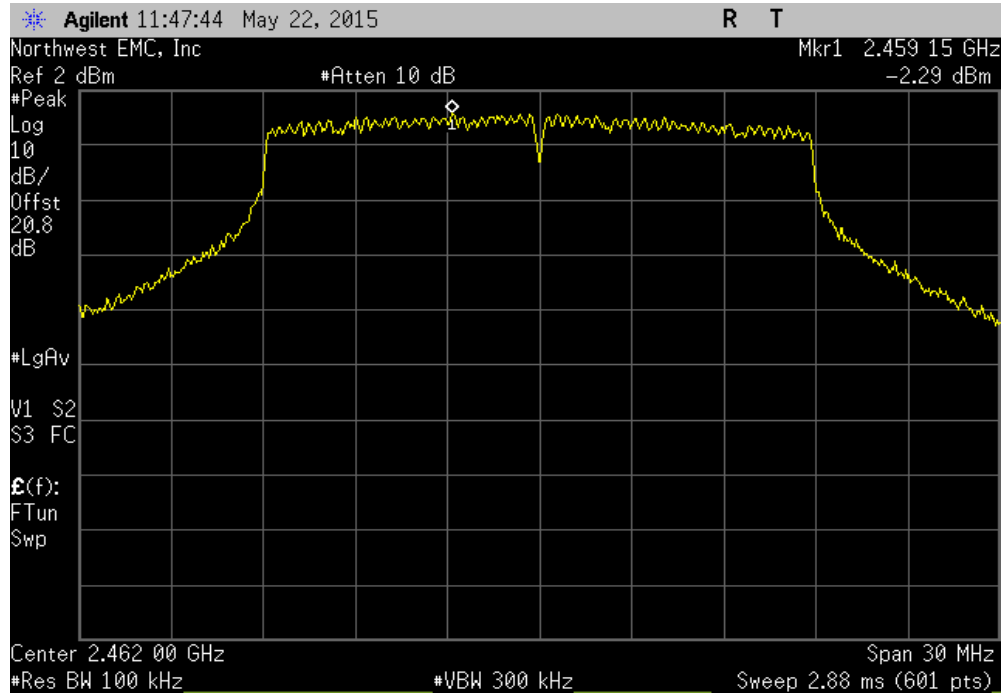


20 MHz, Chain B, 802.11(n) MCS8, Mid Channel 6, 2437 MHz						
Value			Limit		Results	
dBm/100kHz			dBm/3kHz			
-2.126			8		Pass	

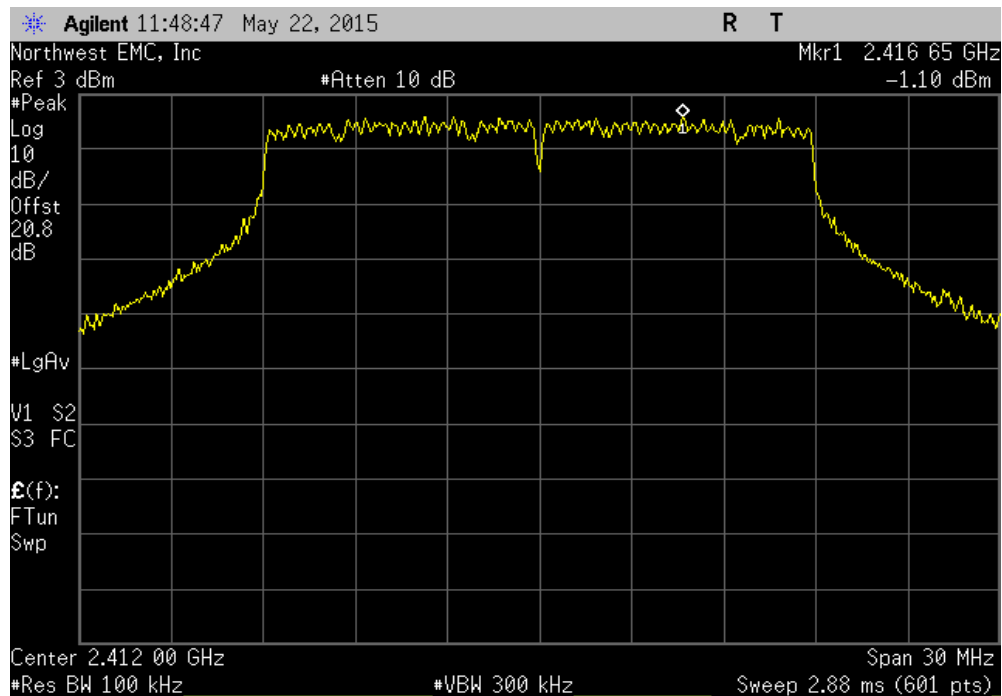


POWER SPECTRAL DENSITY

20 MHz, Chain B, 802.11(n) MCS8, High Channel 11, 2462 MHz						
Value			Limit		Results	
dBm/100kHz			dBm/3kHz			
-2.292			8		Pass	

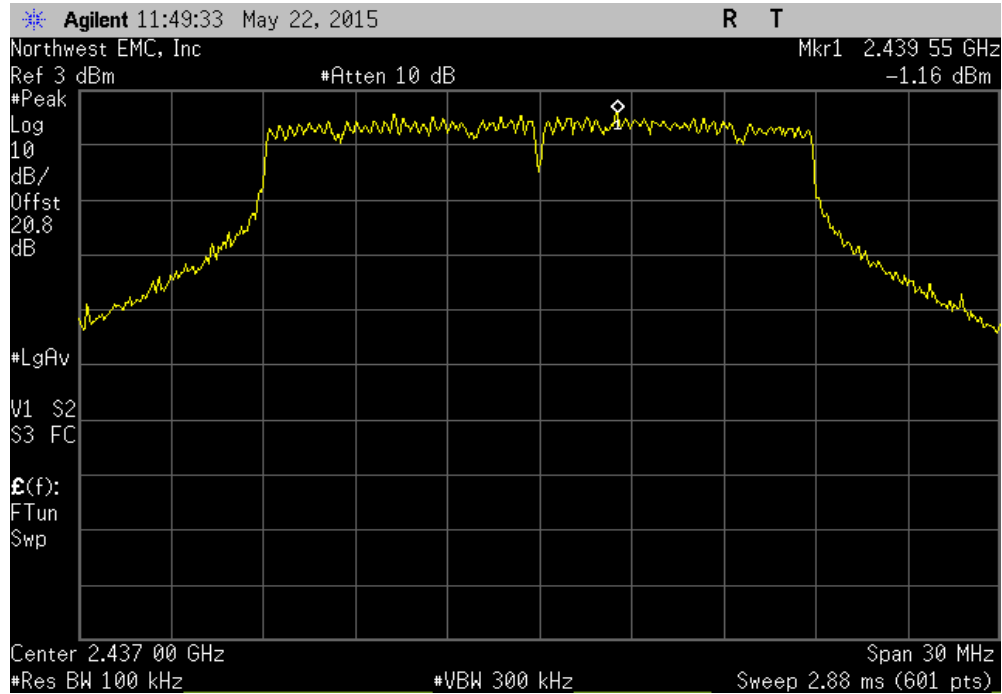


20 MHz, Chain B, 802.11(n) MCS15, Low Channel 1, 2412 MHz						
Value			Limit		Results	
dBm/100kHz			dBm/3kHz			
-1.096			8		Pass	

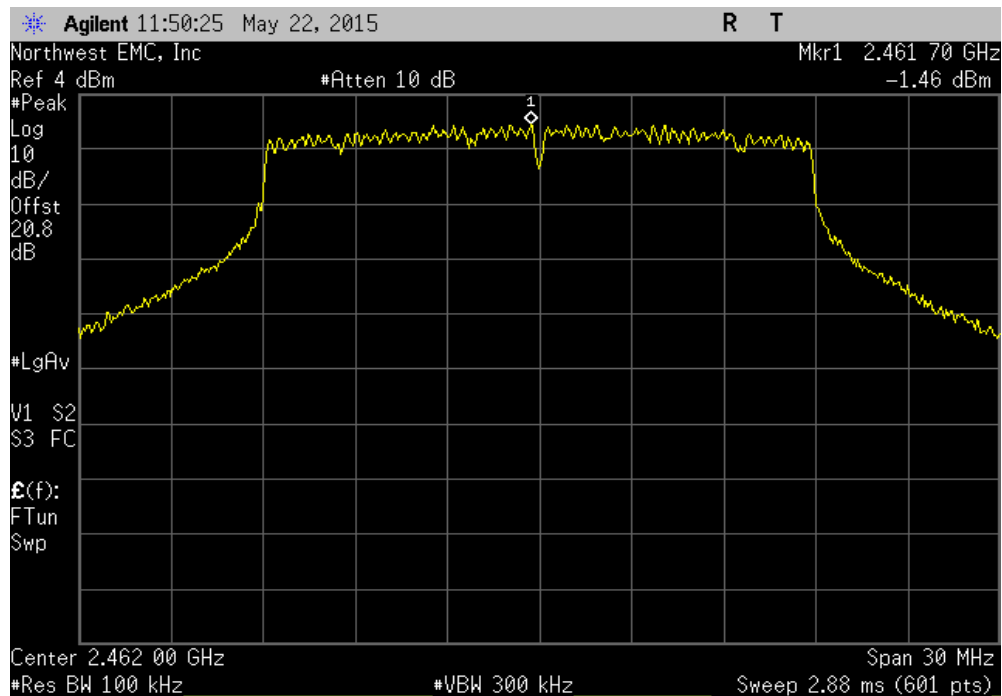


POWER SPECTRAL DENSITY

20 MHz, Chain B, 802.11(n) MCS15, Mid Channel 6, 2437 MHz						
Value			Limit		Results	
dBm/100kHz			dBm/3kHz			
-1.156			8		Pass	

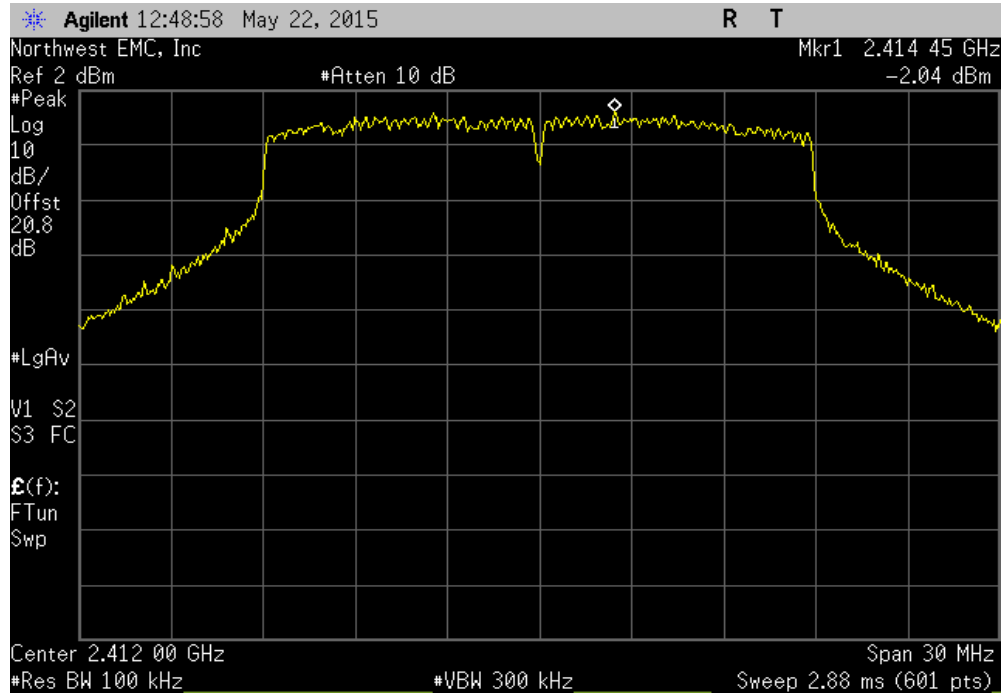


20 MHz, Chain B, 802.11(n) MCS15, High Channel 11, 2462 MHz						
Value			Limit		Results	
dBm/100kHz			dBm/3kHz			
-1.456			8		Pass	

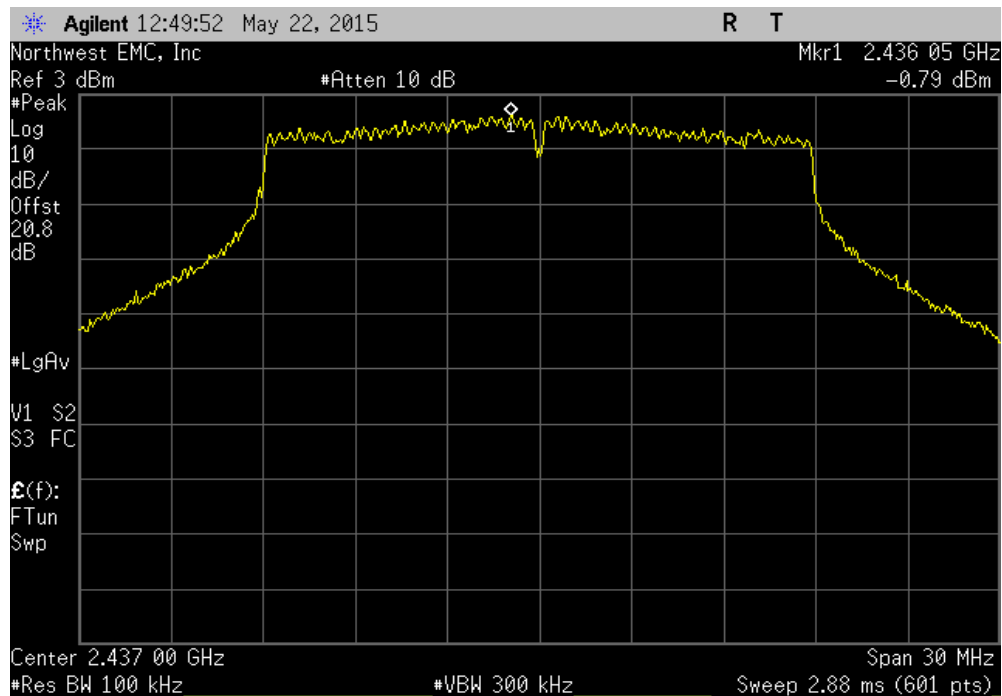


POWER SPECTRAL DENSITY

20 MHz, Chain C, 802.11(n) MCS8, Low Channel 1, 2412 MHz						
Value			Limit		Results	
dBm/100kHz			dBm/3kHz			
-2.043			8		Pass	

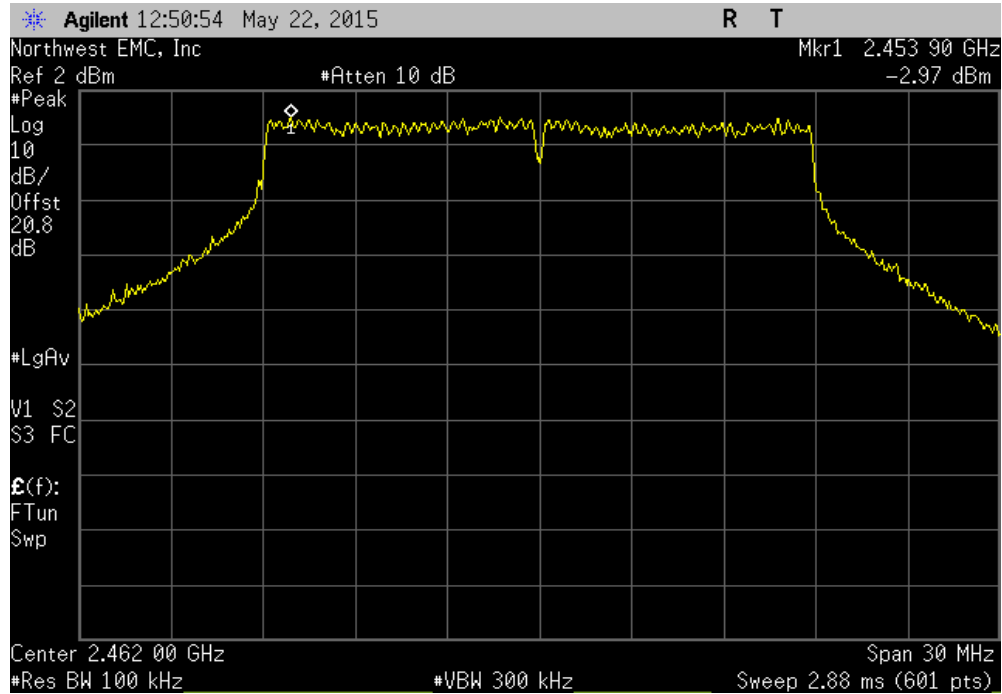


20 MHz, Chain C, 802.11(n) MCS8, Mid Channel 6, 2437 MHz						
Value			Limit		Results	
dBm/100kHz			dBm/3kHz			
-0.789			8		Pass	

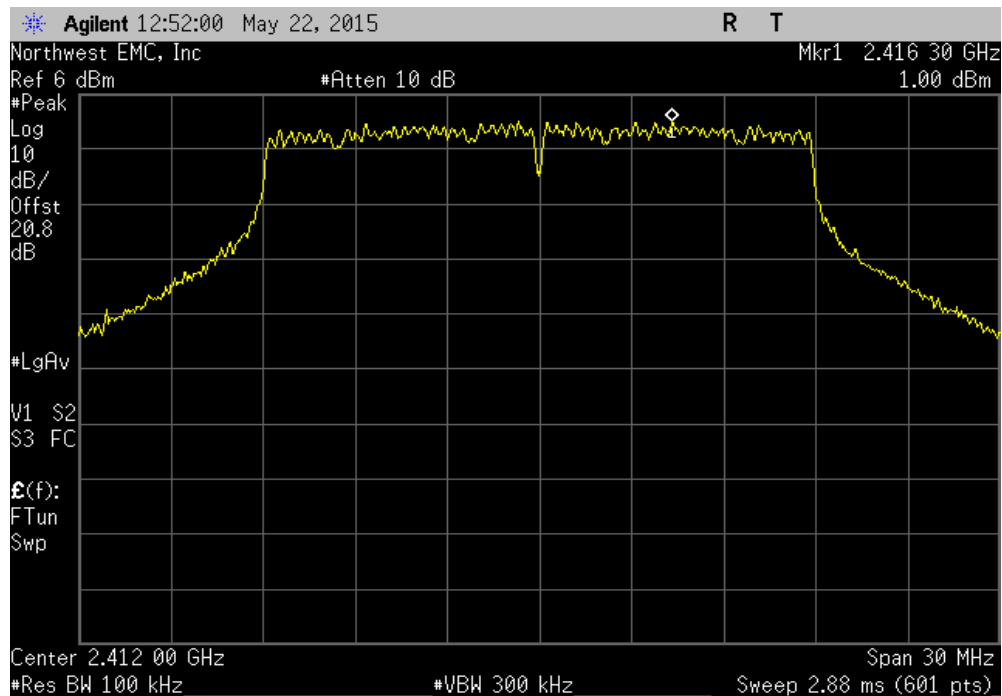


POWER SPECTRAL DENSITY

20 MHz, Chain C, 802.11(n) MCS8, High Channel 11, 2462 MHz						
Value			Limit		Results	
dBm/100kHz			dBm/3kHz			
-2.975			8		Pass	

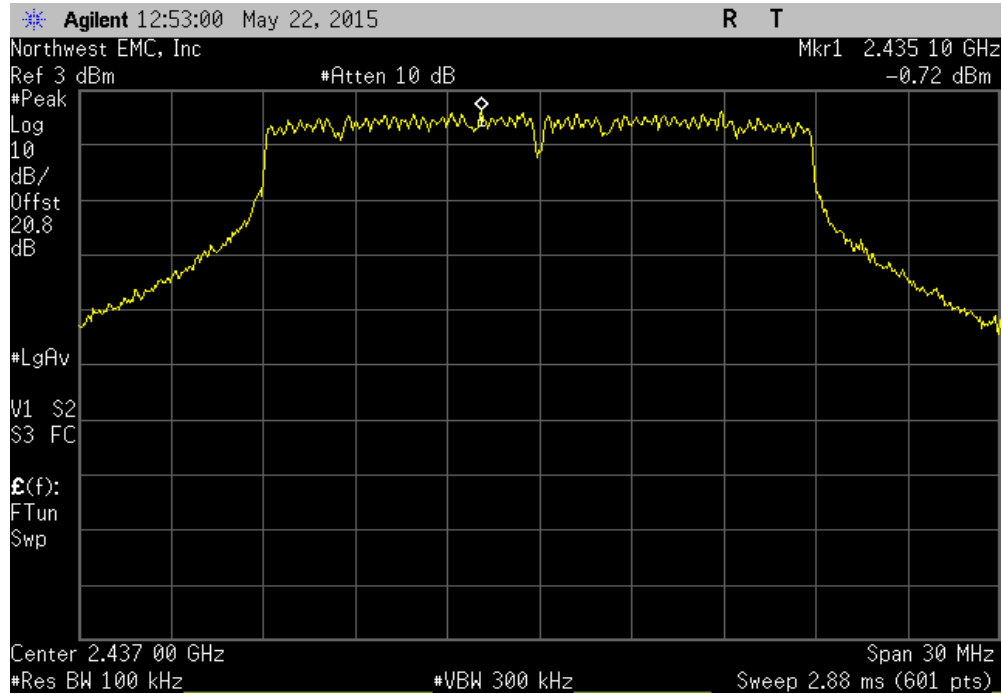


20 MHz, Chain C, 802.11(n) MCS15, Low Channel 1, 2412 MHz						
Value			Limit		Results	
dBm/100kHz			dBm/3kHz			
1			8		Pass	

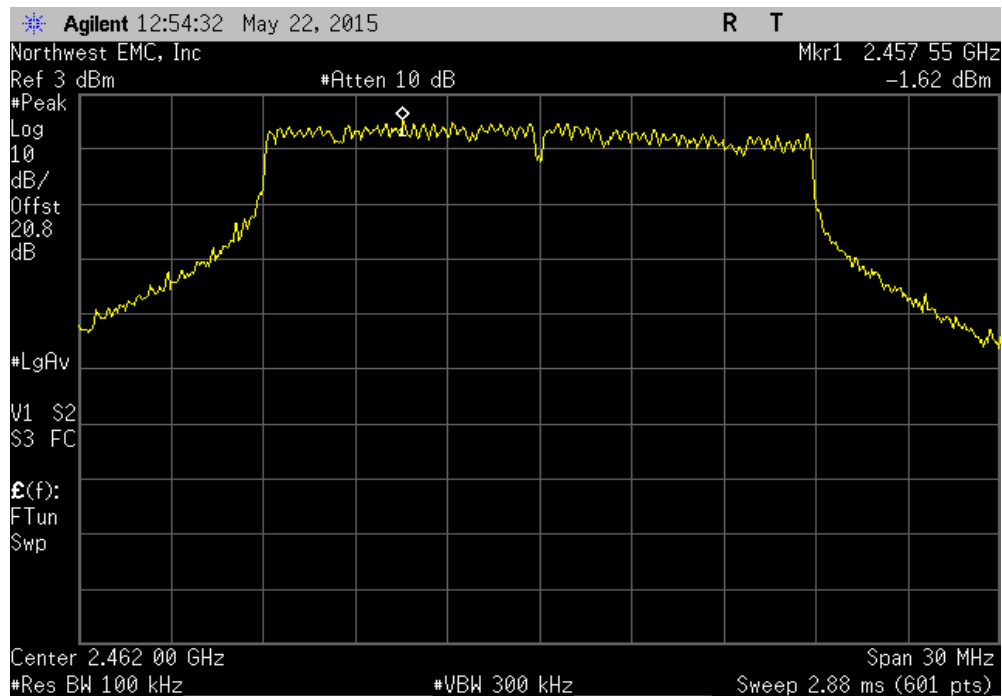


POWER SPECTRAL DENSITY

20 MHz, Chain C, 802.11(n) MCS15, Mid Channel 6, 2437 MHz						
Value			Limit		Results	
dBm/100kHz			dBm/3kHz			
-0.72			8		Pass	



20 MHz, Chain C, 802.11(n) MCS15, High Channel 11, 2462 MHz						
Value			Limit		Results	
dBm/100kHz			dBm/3kHz			
-1.618			8		Pass	



POWER SPECTRAL DENSITY

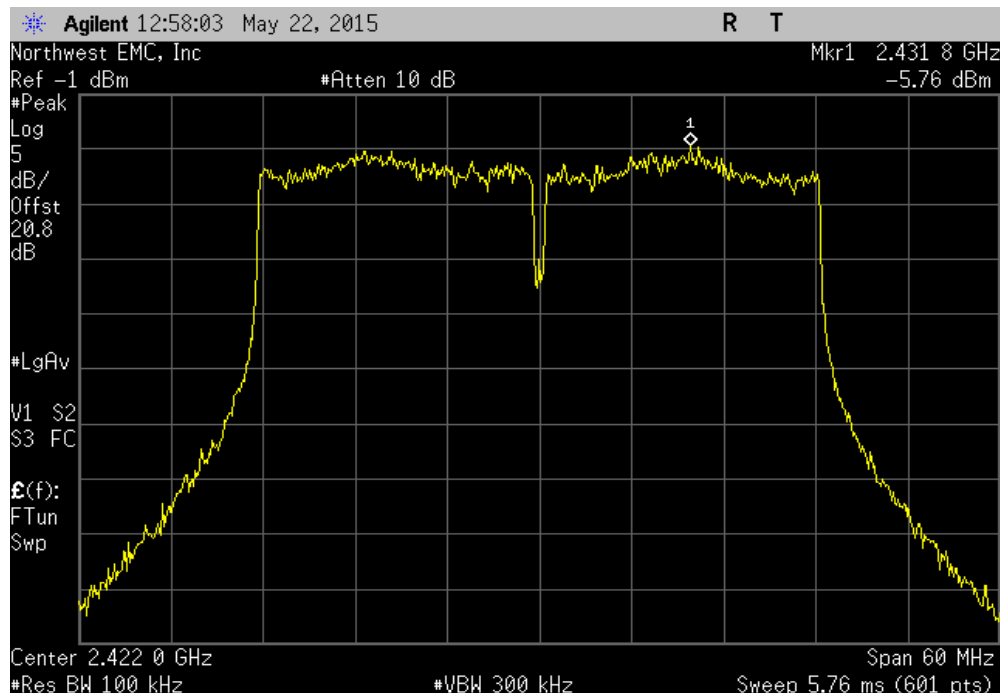


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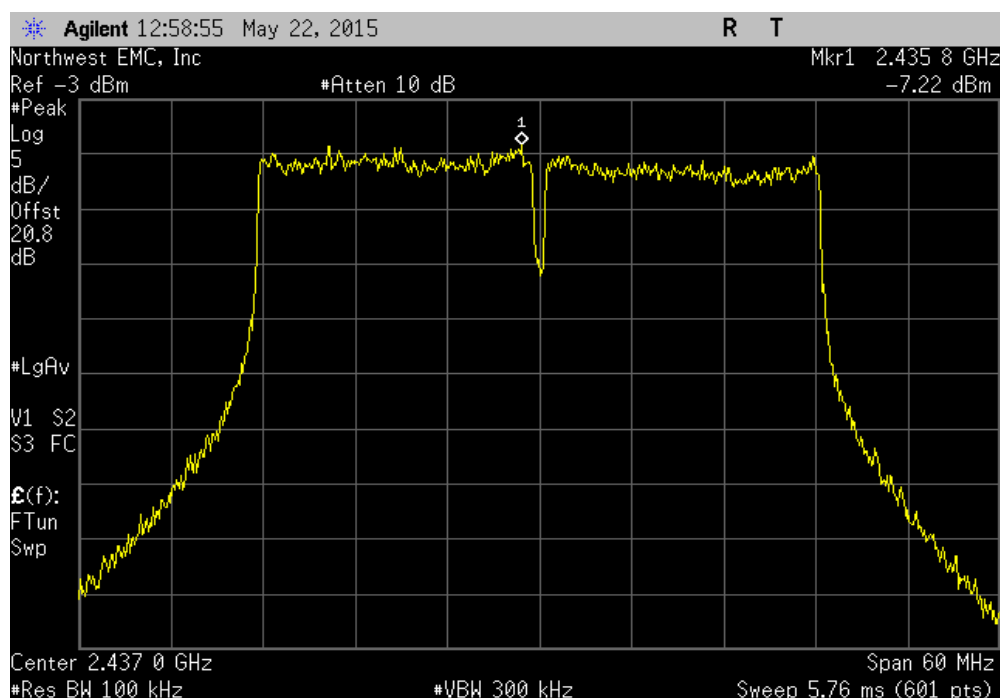
EUT: RLX2-IHNF		Work Order: PROS0222	
Serial Number: 000D8DF095CF		Date: 05/22/15	
Customer: ProSoft Technology, Inc.		Temperature: 24.4°C	
Attendees: None		Humidity: 44%	
Project: None		Barometric Pres.: 1021 mbar	
Tested by: Jonathan Kiefer, Jeremiah Darden		Power: 110VAC/60Hz	
		Job Site: TX09	
TEST SPECIFICATIONS		Test Method	
FCC 15.247:2015		ANSI C63.10:2009	
COMMENTS			
Offset 20.8 dB (DC Block + 20dB Attenuator + Coax Cable) for 2.4 GHz.			
DEVIATIONS FROM TEST STANDARD			
None			
Configuration #	1	Signature 	
		Value dBm/100kHz	Limit dBm/3kHz Results
40 MHz			
Chain C			
802.11(n) MCS0			
	Low Channel 1, 2422 MHz	-5.761	8 Pass
	Mid Channel 6, 2437 MHz	-7.219	8 Pass
	High Channel 11, 2452 MHz	-7.681	8 Pass
802.11(n) MCS7			
	Low Channel 1, 2422 MHz	-5.601	8 Pass
	Mid Channel 6, 2437 MHz	-6.481	8 Pass
	High Channel 11, 2452 MHz	-6.451	8 Pass
Chain B			
802.11(n) MCS0			
	Low Channel 1, 2422 MHz	-7.001	8 Pass
	Mid Channel 6, 2437 MHz	-8.269	8 Pass
	High Channel 11, 2452 MHz	-7.423	8 Pass
802.11(n) MCS7			
	Low Channel 1, 2422 MHz	-6.798	8 Pass
	Mid Channel 6, 2437 MHz	-7.349	8 Pass
	High Channel 11, 2452 MHz	-7.406	8 Pass
Chain A			
802.11(n) MCS0			
	Low Channel 1, 2422 MHz	-6.204	8 Pass
	Mid Channel 6, 2437 MHz	-7.199	8 Pass
	High Channel 11, 2452 MHz	-6.369	8 Pass
802.11(n) MCS7			
	Low Channel 1, 2422 MHz	-6.138	8 Pass
	Mid Channel 6, 2437 MHz	-5.672	8 Pass
	High Channel 11, 2452 MHz	-5.541	8 Pass

POWER SPECTRAL DENSITY

40 MHz, Chain C, 802.11(n) MCS0, Low Channel 1, 2422 MHz						
Value				Limit		Results
dBm/100kHz				dBm/3kHz		
		-5.761			8	Pass

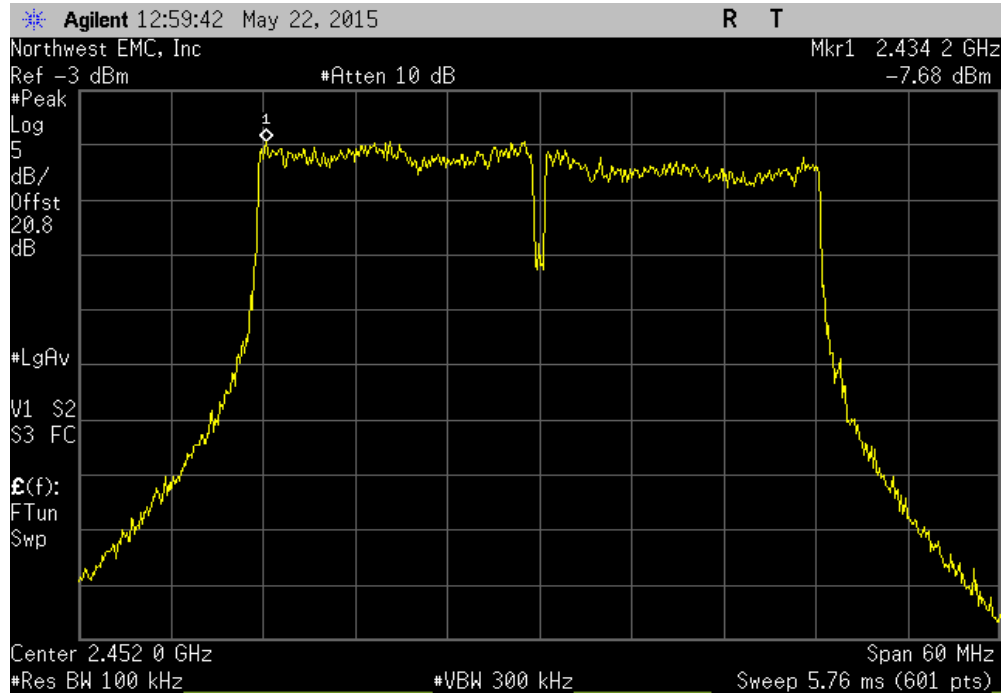


40 MHz, Chain C, 802.11(n) MCS0, Mid Channel 6, 2437 MHz						
Value			Limit		Results	
dBm/100kHz			dBm/3kHz			
		-7.219		8		Pass

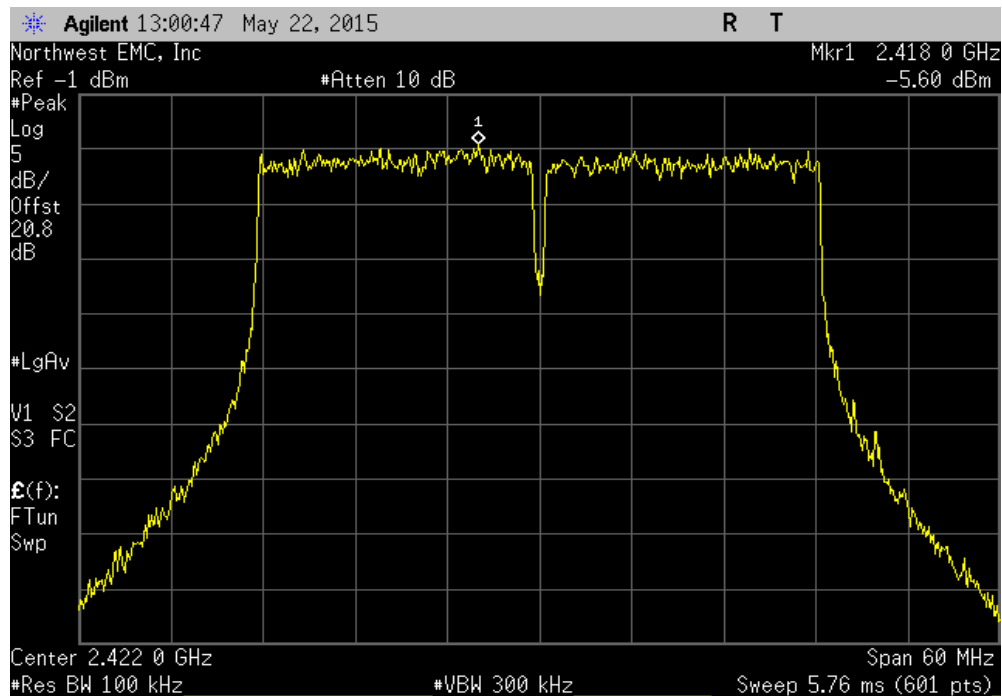


POWER SPECTRAL DENSITY

40 MHz, Chain C, 802.11(n) MCS0, High Channel 11, 2452 MHz						
Value			Limit		Results	
dBm/100kHz			dBm/3kHz			
-7.681			8		Pass	

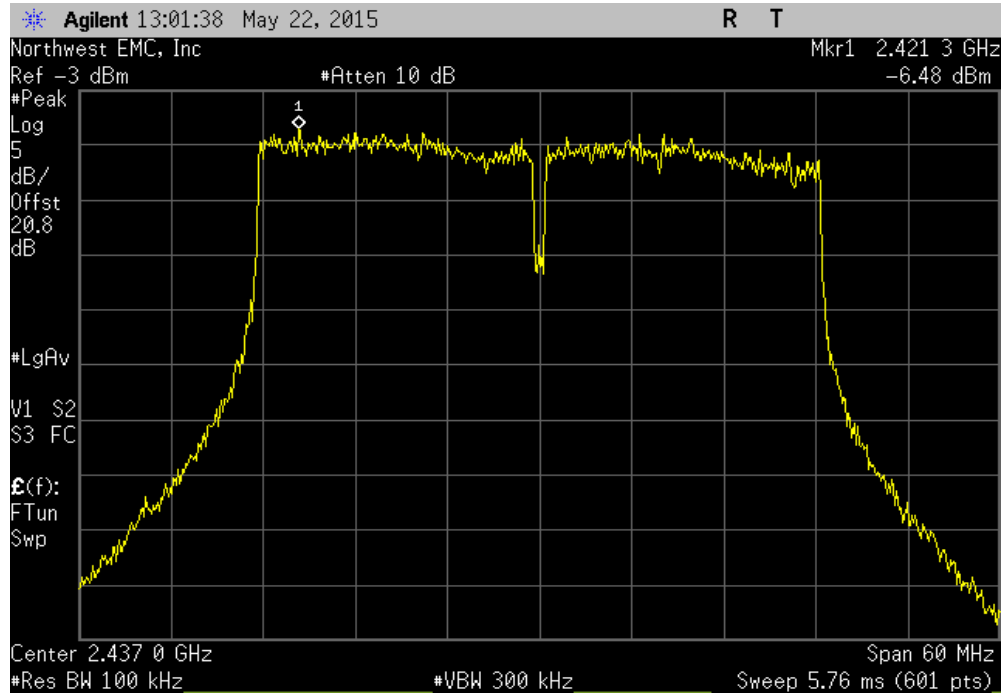


40 MHz, Chain C, 802.11(n) MCS7, Low Channel 1, 2422 MHz						
Value			Limit		Results	
dBm/100kHz			dBm/3kHz			
-5.601			8		Pass	

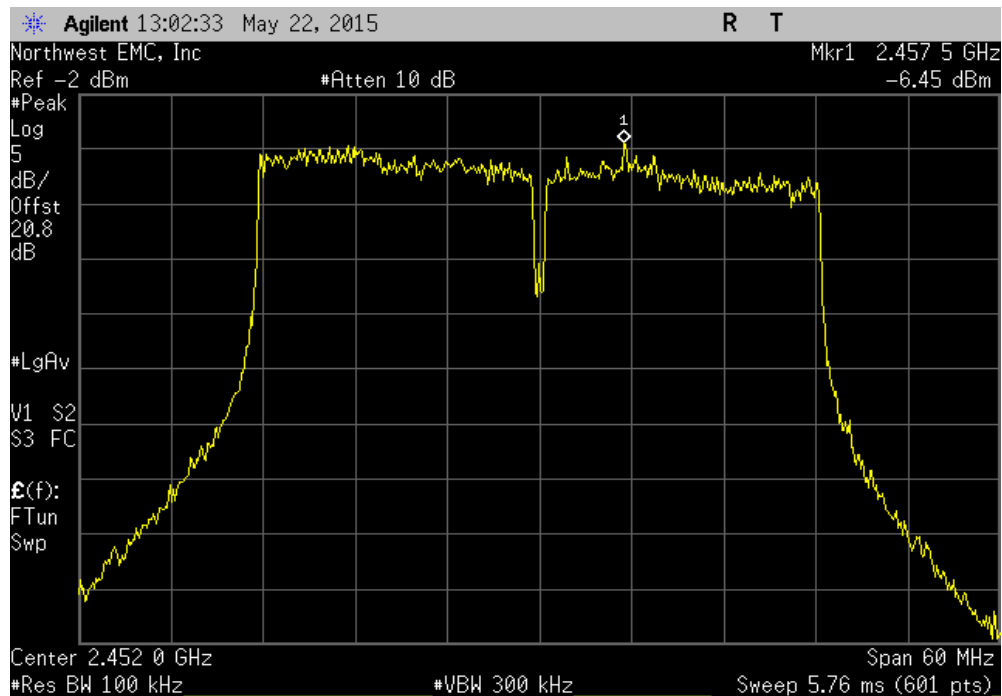


POWER SPECTRAL DENSITY

40 MHz, Chain C, 802.11(n) MCS7, Mid Channel 6, 2437 MHz						
Value			Limit		Results	
dBm/100kHz			dBm/3kHz			
-6.481			8		Pass	

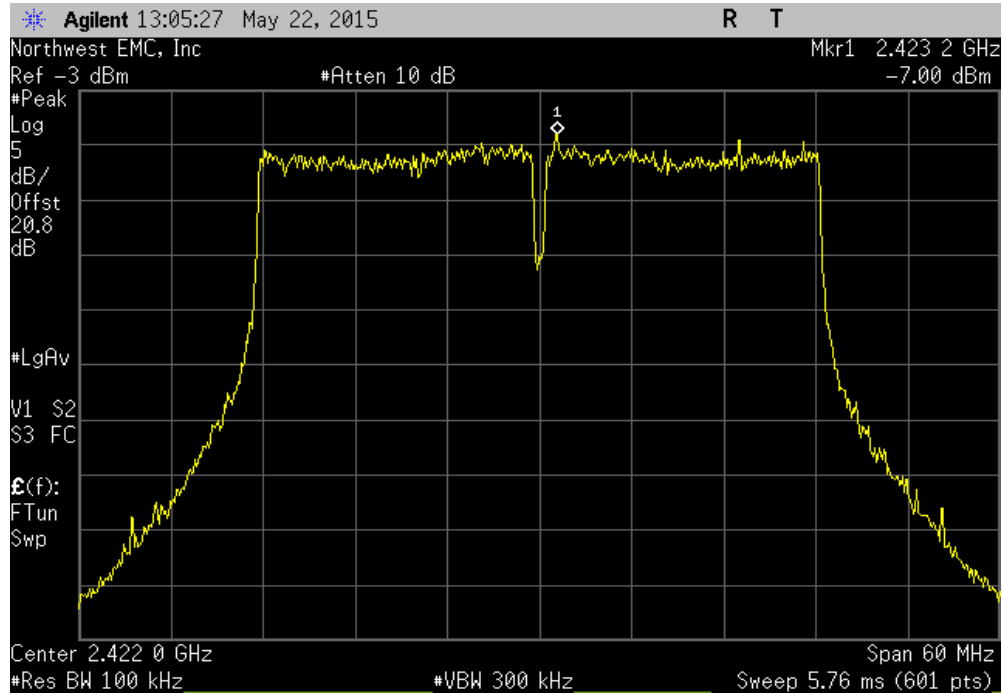


40 MHz, Chain C, 802.11(n) MCS7, High Channel 11, 2452 MHz						
Value			Limit		Results	
dBm/100kHz			dBm/3kHz			
-6.451			8		Pass	

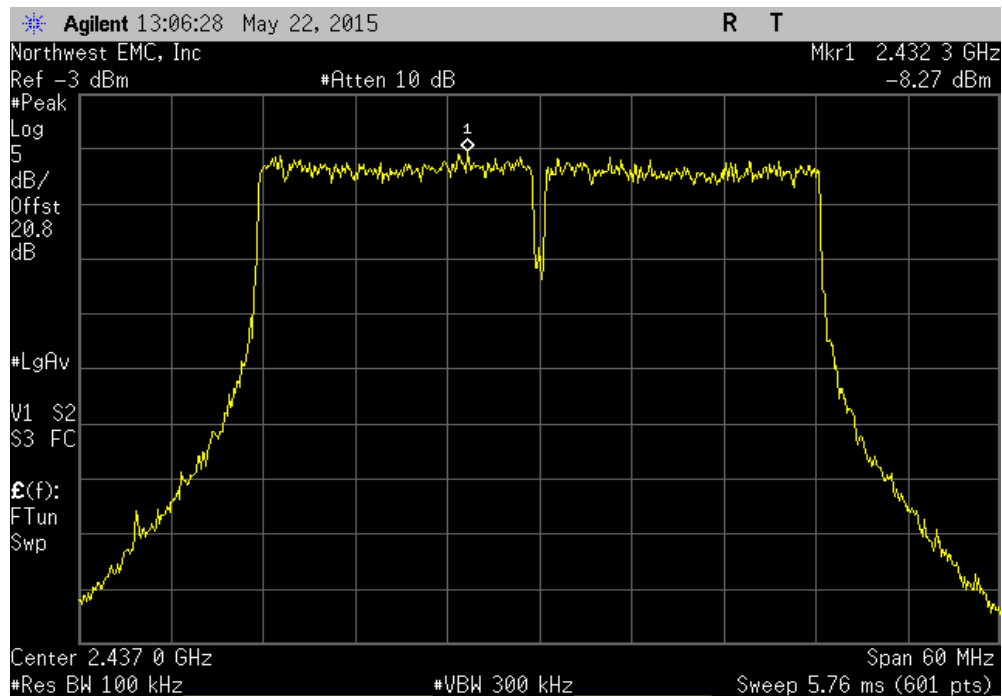


POWER SPECTRAL DENSITY

40 MHz, Chain B, 802.11(n) MCS0, Low Channel 1, 2422 MHz						
Value			Limit		Results	
dBm/100kHz			dBm/3kHz			
		-7.001		8	Pass	

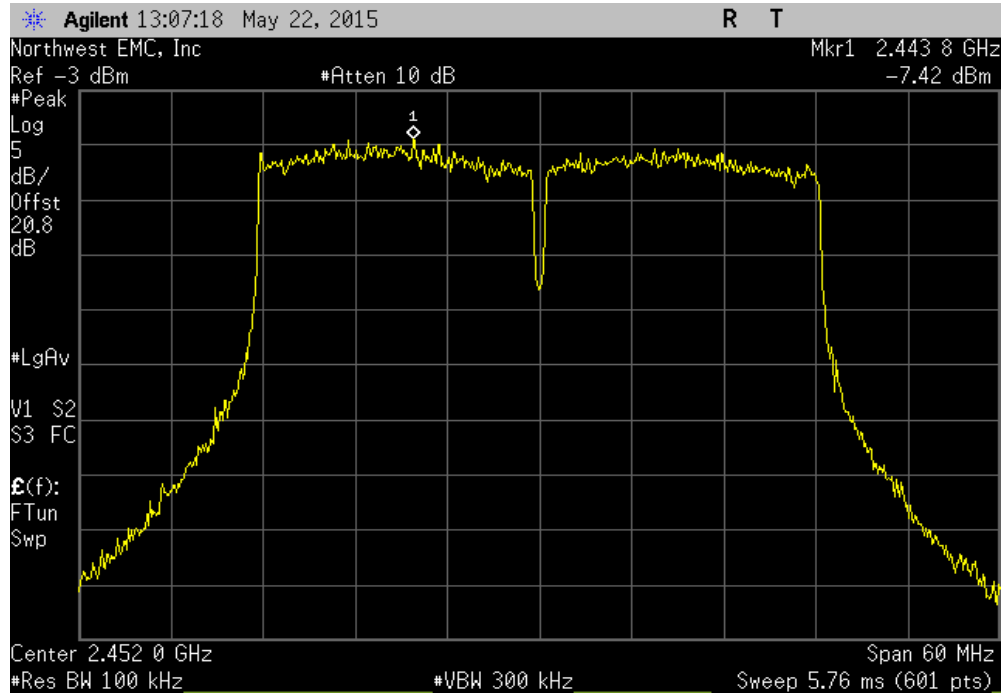


40 MHz, Chain B, 802.11(n) MCS0, Mid Channel 6, 2437 MHz						
Value			Limit		Results	
dBm/100kHz			dBm/3kHz			
		-8.269		8	Pass	

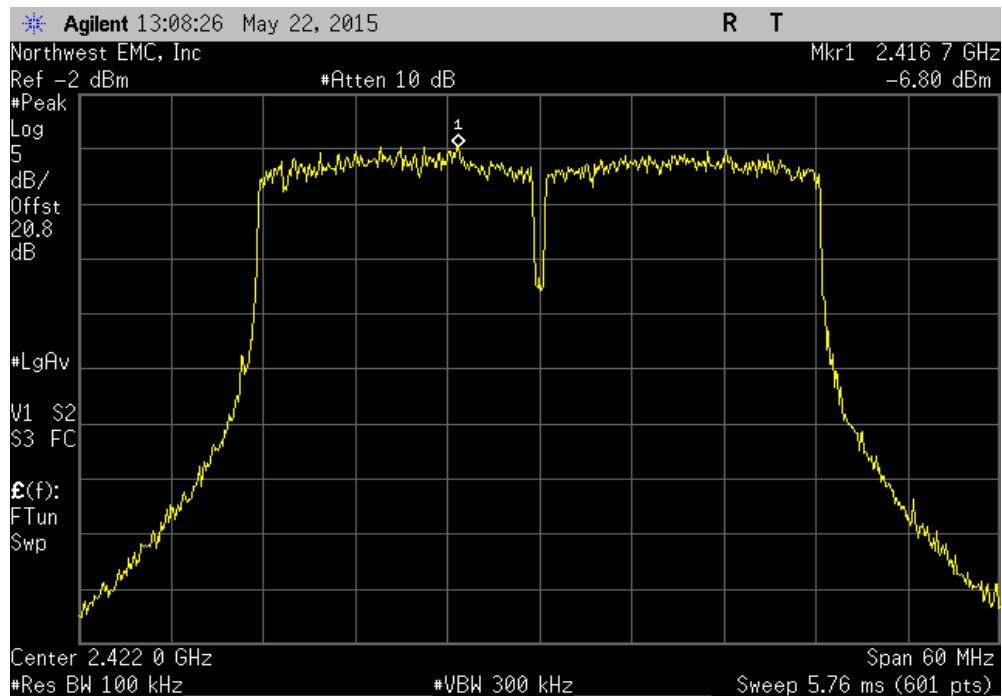


POWER SPECTRAL DENSITY

40 MHz, Chain B, 802.11(n) MCS0, High Channel 11, 2452 MHz						
Value			Limit		Results	
dBm/100kHz			dBm/3kHz			
-7.423			8		Pass	

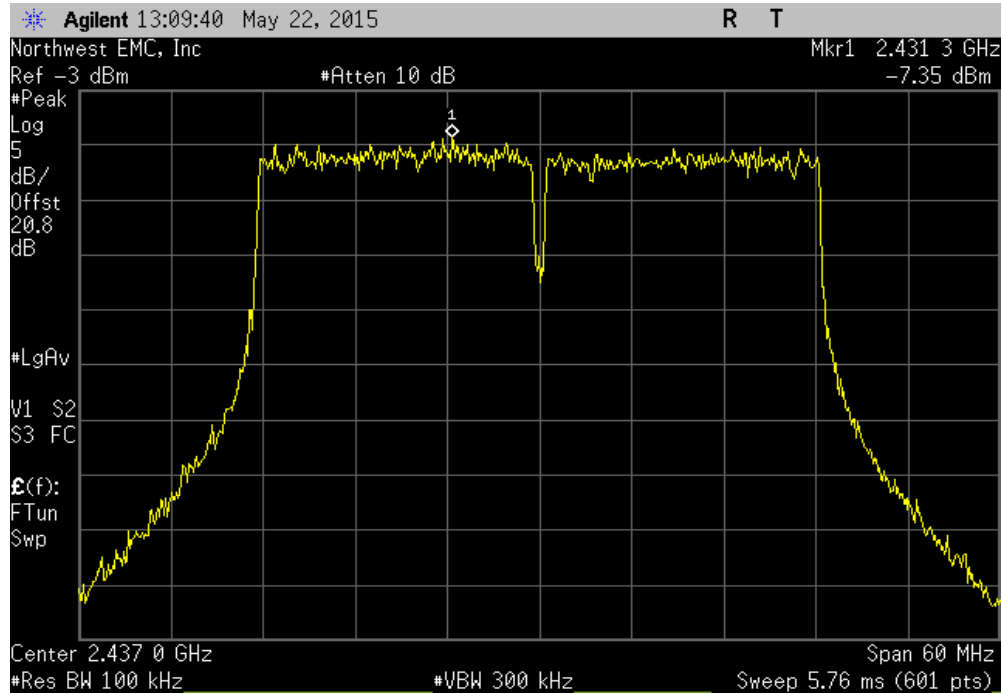


40 MHz, Chain B, 802.11(n) MCS7, Low Channel 1, 2422 MHz						
Value			Limit		Results	
dBm/100kHz			dBm/3kHz			
-6.798			8		Pass	

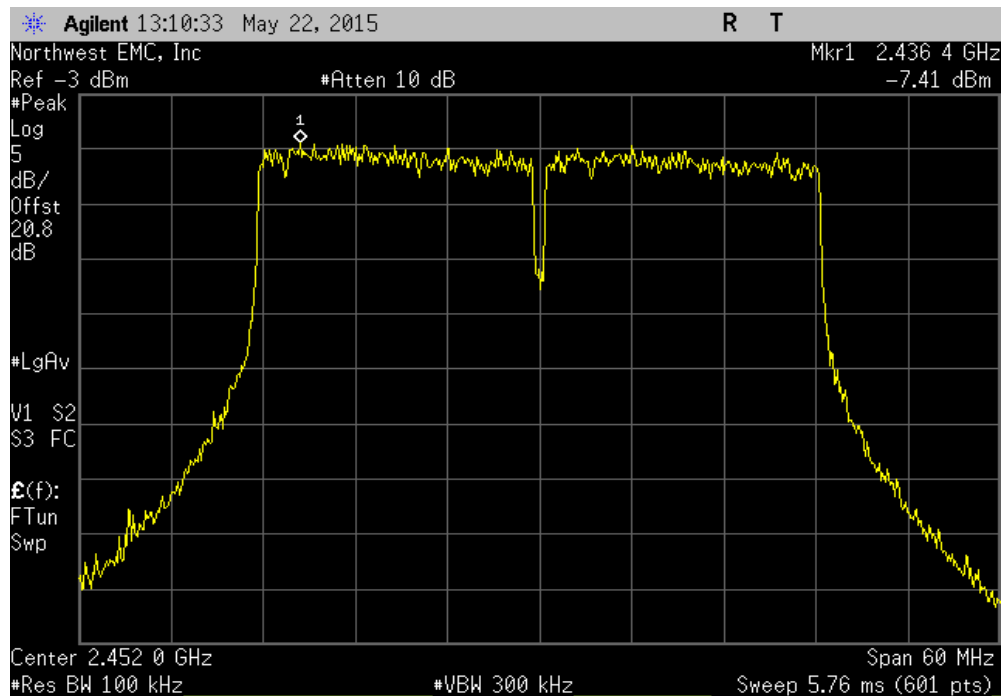


POWER SPECTRAL DENSITY

40 MHz, Chain B, 802.11(n) MCS7, Mid Channel 6, 2437 MHz						
Value			Limit		Results	
dBm/100kHz			dBm/3kHz			
-7.349			8		Pass	

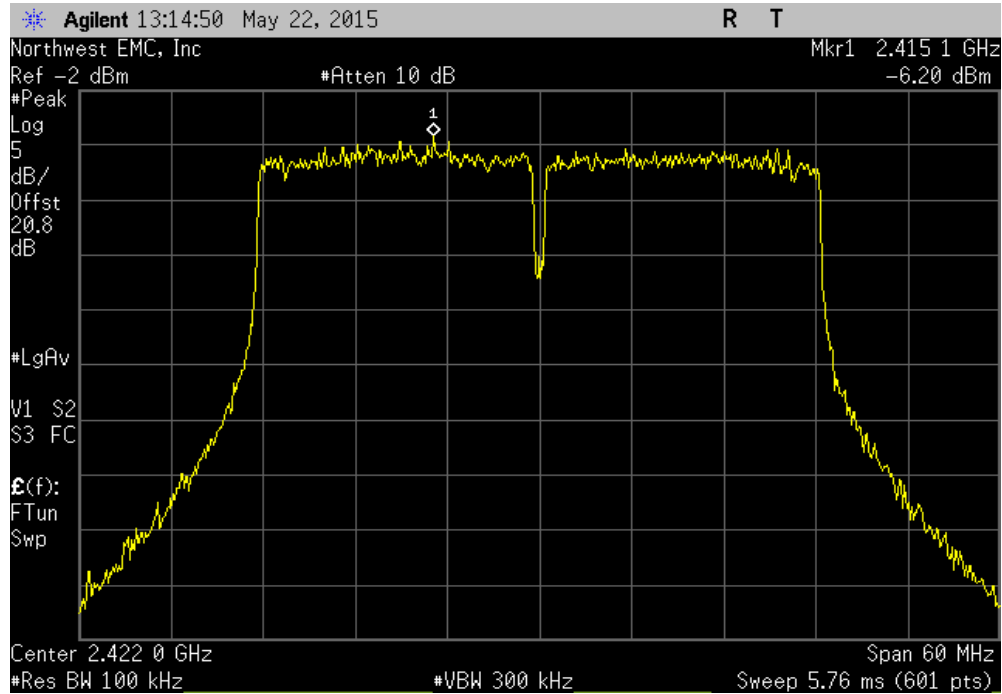


40 MHz, Chain B, 802.11(n) MCS7, High Channel 11, 2452 MHz						
Value			Limit		Results	
dBm/100kHz			dBm/3kHz			
-7.406			8		Pass	

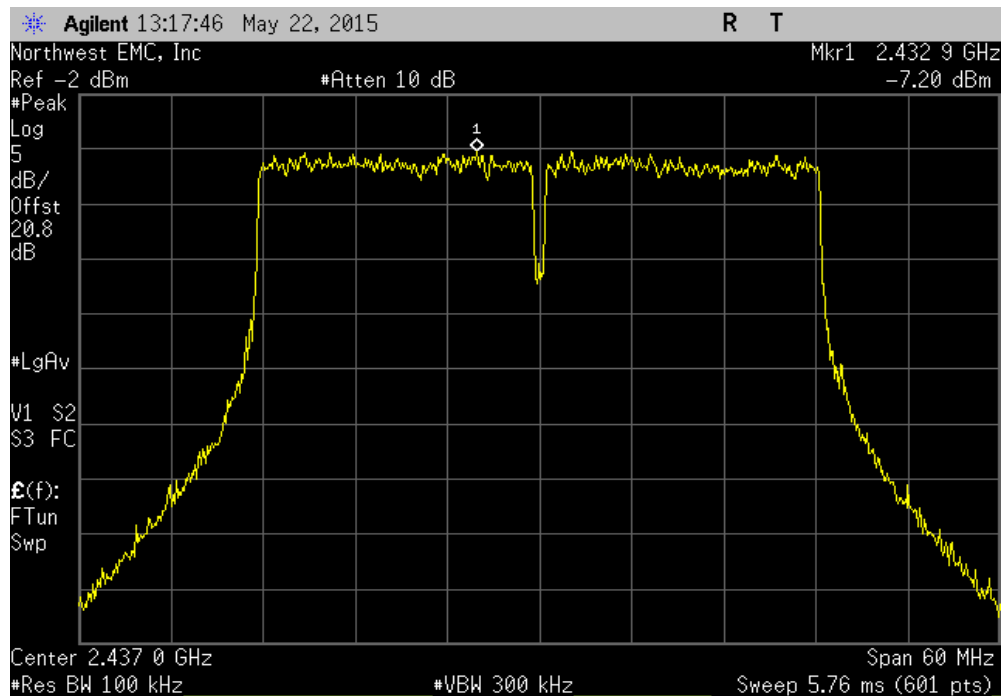


POWER SPECTRAL DENSITY

40 MHz, Chain A, 802.11(n) MCS0, Low Channel 1, 2422 MHz						
Value			Limit		Results	
dBm/100kHz			dBm/3kHz			
-6.204			8		Pass	

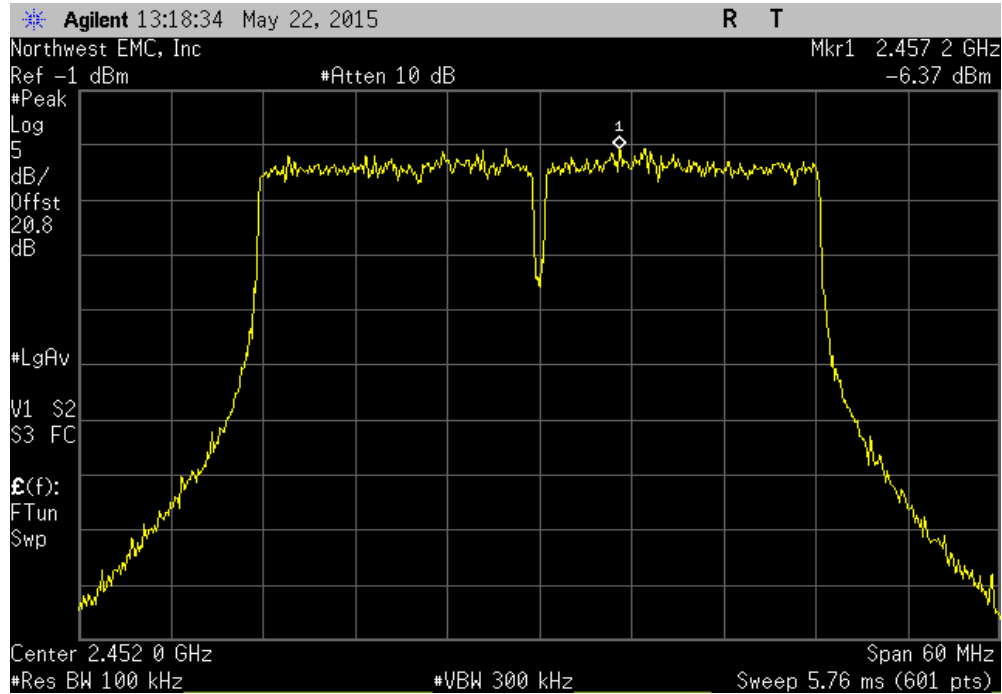


40 MHz, Chain A, 802.11(n) MCS0, Mid Channel 6, 2437 MHz						
Value			Limit		Results	
dBm/100kHz			dBm/3kHz			
-7.199			8		Pass	

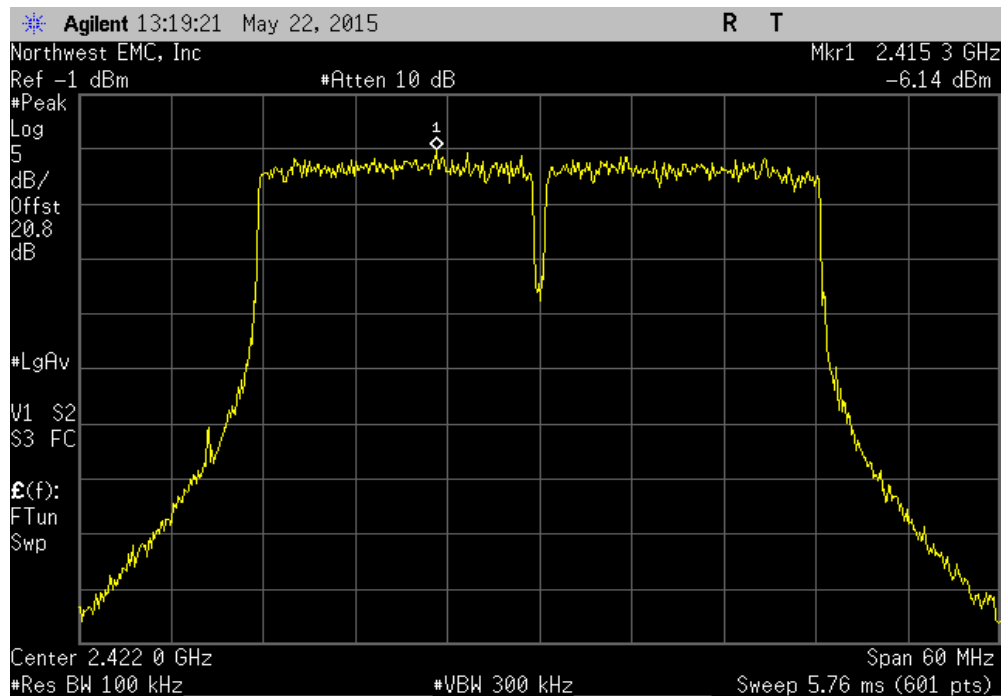


POWER SPECTRAL DENSITY

40 MHz, Chain A, 802.11(n) MCS0, High Channel 11, 2452 MHz						
Value			Limit		Results	
dBm/100kHz			dBm/3kHz			
-6.369			8		Pass	

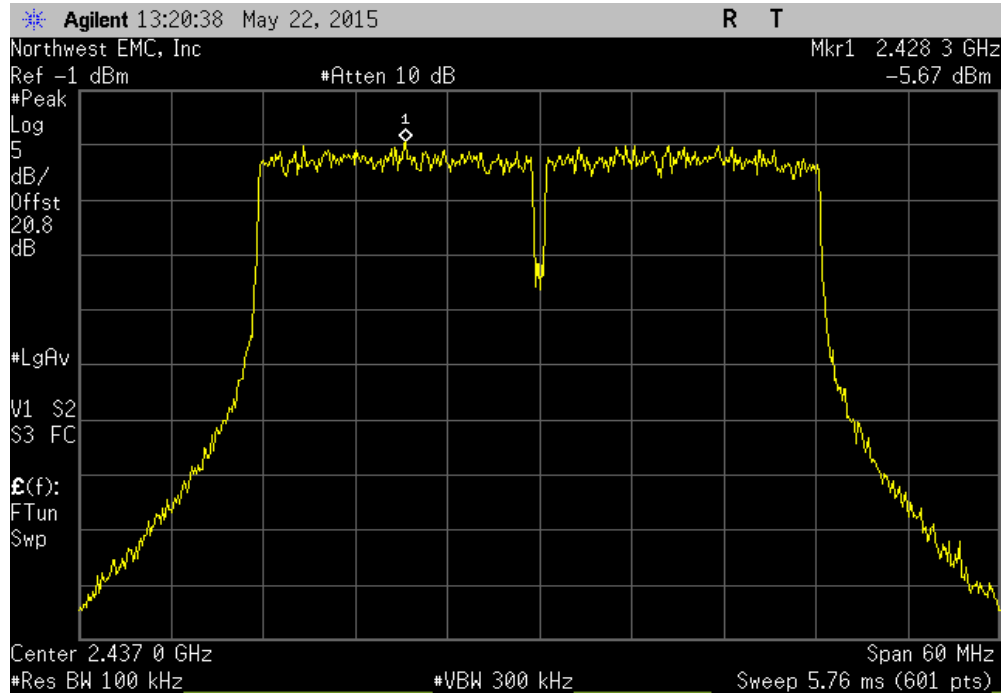


40 MHz, Chain A, 802.11(n) MCS7, Low Channel 1, 2422 MHz						
Value			Limit		Results	
dBm/100kHz			dBm/3kHz			
-6.138			8		Pass	

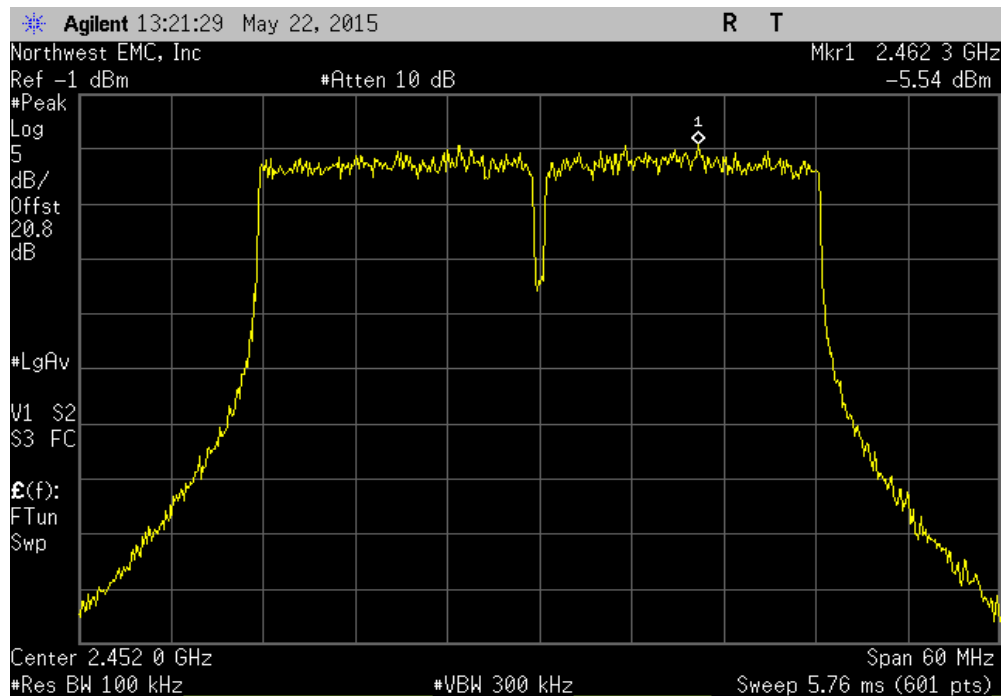


POWER SPECTRAL DENSITY

40 MHz, Chain A, 802.11(n) MCS7, Mid Channel 6, 2437 MHz						
Value			Limit		Results	
dBm/100kHz			dBm/3kHz			
-5.672			8		Pass	



40 MHz, Chain A, 802.11(n) MCS7, High Channel 11, 2452 MHz						
Value			Limit		Results	
dBm/100kHz			dBm/3kHz			
-5.541			8		Pass	



POWER SPECTRAL DENSITY

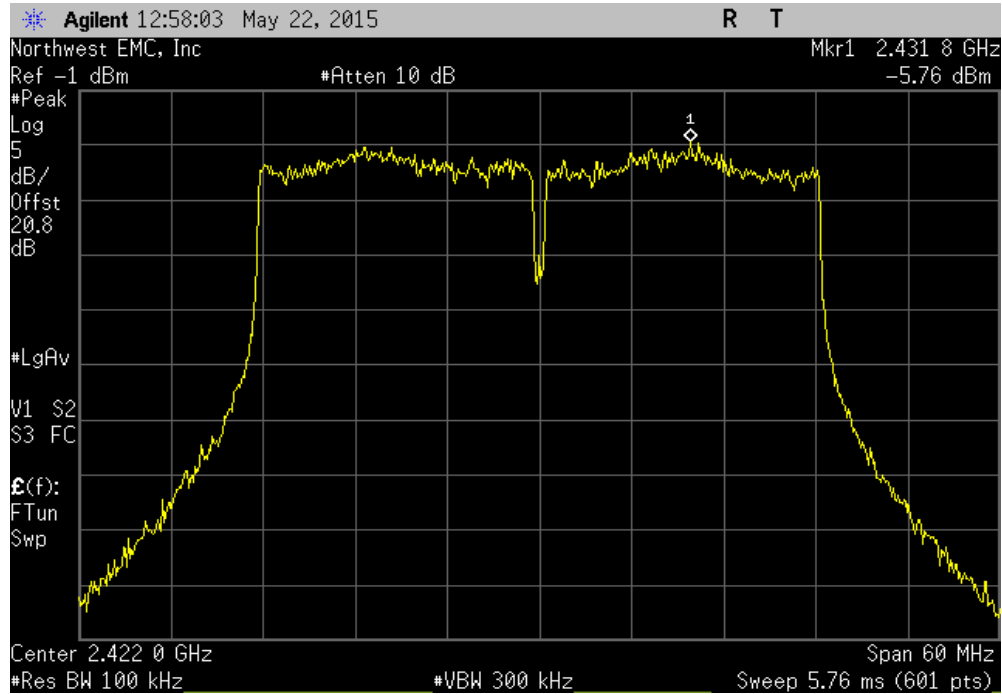


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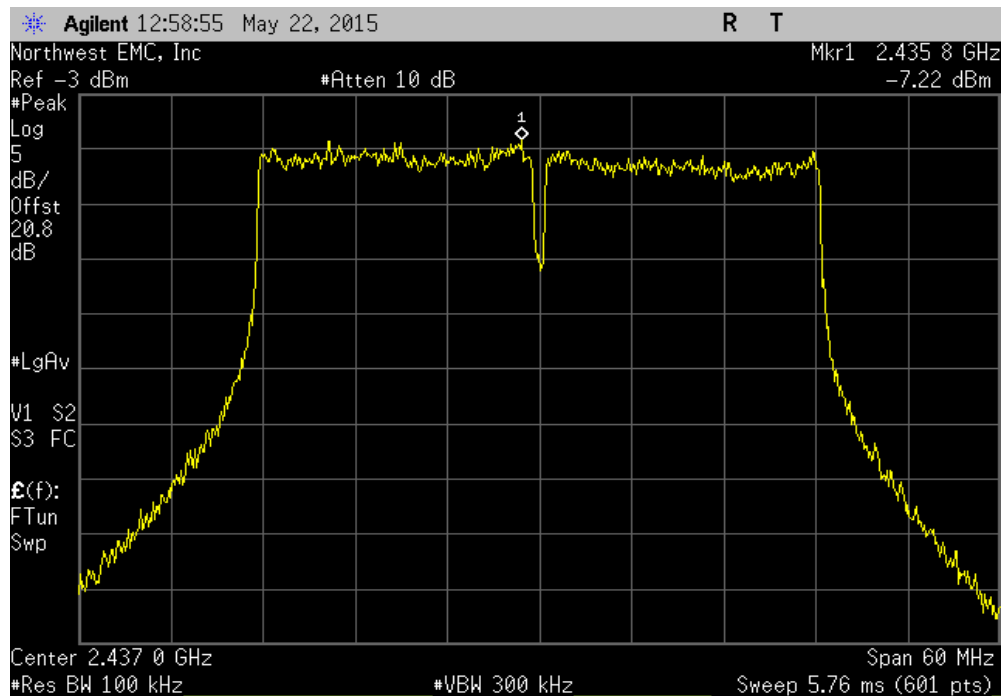
EUT: RLX2-IHNF		Work Order: PROS0222	
Serial Number: 000D8DF095CF		Date: 05/22/15	
Customer: ProSoft Technology, Inc.		Temperature: 24.4°C	
Attendees: None		Humidity: 44%	
Project: None		Barometric Pres.: 1021 mbar	
Tested by: Jonathan Kiefer, Jeremiah Darden		Power: 110VAC/60Hz	
		Job Site: TX09	
TEST SPECIFICATIONS		Test Method	
FCC 15.247:2015		ANSI C63.10:2009	
COMMENTS			
Offset 20.8 dB (DC Block + 20dB Attenuator + Coax Cable) for 2.4 GHz.			
DEVIATIONS FROM TEST STANDARD			
None			
Configuration #	1	Signature 	
		Value dBm/100kHz	Limit dBm/3kHz Results
40 MHz			
Chain C			
802.11(n) MCS8			
	Low Channel 1, 2422 MHz	-5.761	8 Pass
	Mid Channel 6, 2437 MHz	-7.219	8 Pass
	High Channel 11, 2452 MHz	-7.681	8 Pass
802.11(n) MCS15			
	Low Channel 1, 2422 MHz	-5.601	8 Pass
	Mid Channel 6, 2437 MHz	-6.481	8 Pass
	High Channel 11, 2452 MHz	-6.451	8 Pass
Chain B			
802.11(n) MCS8			
	Low Channel 1, 2422 MHz	-7.001	8 Pass
	Mid Channel 6, 2437 MHz	-8.269	8 Pass
	High Channel 11, 2452 MHz	-7.423	8 Pass
802.11(n) MCS15			
	Low Channel 1, 2422 MHz	-6.798	8 Pass
	Mid Channel 6, 2437 MHz	-7.349	8 Pass
	High Channel 11, 2452 MHz	-7.406	8 Pass
Chain A			
802.11(n) MCS8			
	Low Channel 1, 2422 MHz	-6.204	8 Pass
	Mid Channel 6, 2437 MHz	-7.199	8 Pass
	High Channel 11, 2452 MHz	-6.369	8 Pass
802.11(n) MCS15			
	Low Channel 1, 2422 MHz	-6.138	8 Pass
	Mid Channel 6, 2437 MHz	-5.672	8 Pass
	High Channel 11, 2452 MHz	-5.541	8 Pass
Power Summing, 40 MHz			
Chain C			
802.11(n) MCS8			
	Low Channel 1, 2422 MHz	0	8 Pass
	Mid Channel 6, 2437 MHz	0	8 Pass
	High Channel 11, 2452 MHz	0	8 Pass
802.11(n) MCS15			
	Low Channel 1, 2422 MHz	0	8 Pass
	Mid Channel 6, 2437 MHz	0	8 Pass
	High Channel 11, 2452 MHz	0	8 Pass
Chain B			
802.11(n) MCS8			
	Low Channel 1, 2422 MHz	0	8 Pass
	Mid Channel 6, 2437 MHz	0	8 Pass
	High Channel 11, 2452 MHz	0	8 Pass
802.11(n) MCS15			
	Low Channel 1, 2422 MHz	0	8 Pass
	Mid Channel 6, 2437 MHz	0	8 Pass
	High Channel 11, 2452 MHz	0	8 Pass
Chain A			
802.11(n) MCS8			
	Low Channel 1, 2422 MHz	0	8 Pass
	Mid Channel 6, 2437 MHz	0	8 Pass
	High Channel 11, 2452 MHz	0	8 Pass
802.11(n) MCS15			
	Low Channel 1, 2422 MHz	0	8 Pass
	Mid Channel 6, 2437 MHz	0	8 Pass
	High Channel 11, 2452 MHz	0	8 Pass

POWER SPECTRAL DENSITY

40 MHz, Chain C, 802.11(n) MCS8, Low Channel 1, 2422 MHz						
Value			Limit		Results	
dBm/100kHz			dBm/3kHz			
-5.761			8		Pass	

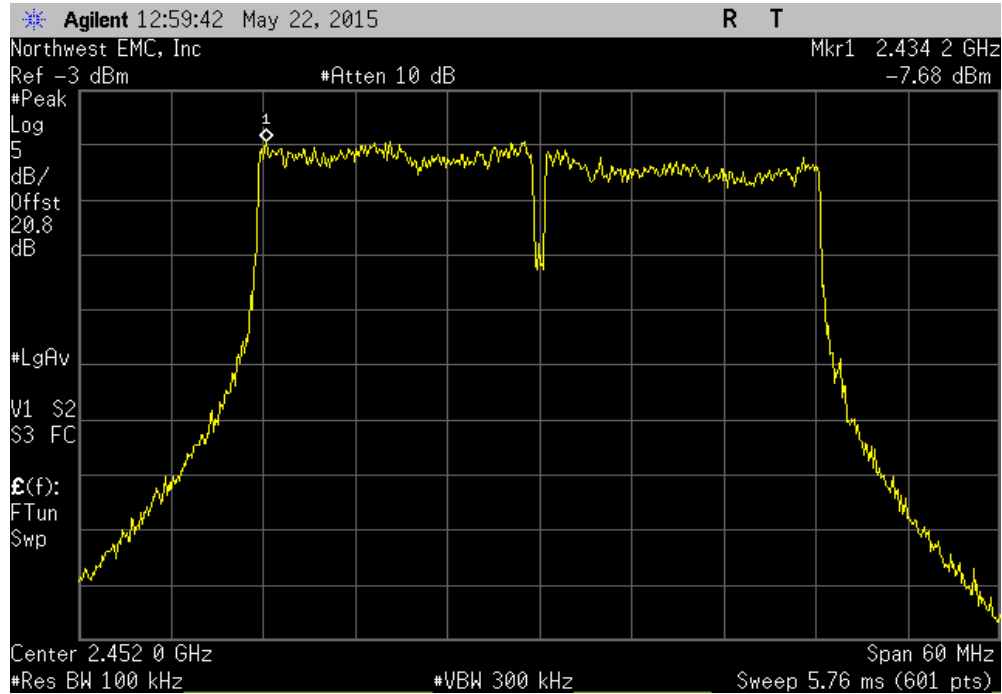


40 MHz, Chain C, 802.11(n) MCS8, Mid Channel 6, 2437 MHz						
Value			Limit		Results	
dBm/100kHz			dBm/3kHz			
-7.219			8		Pass	

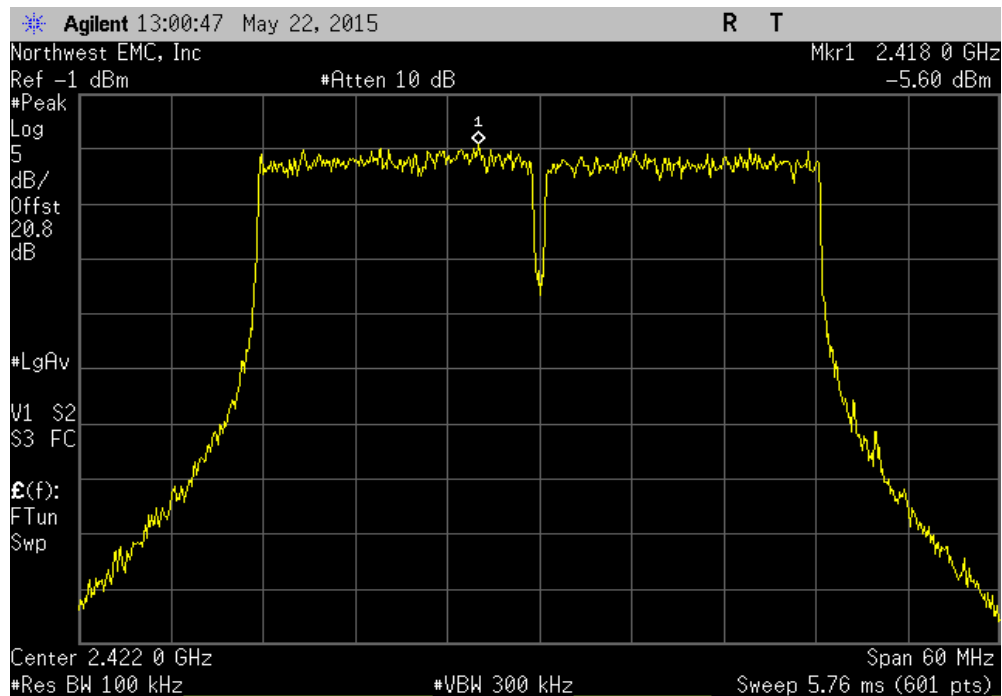


POWER SPECTRAL DENSITY

40 MHz, Chain C, 802.11(n) MCS8, High Channel 11, 2452 MHz						
Value			Limit		Results	
dBm/100kHz			dBm/3kHz			
-7.681			8		Pass	

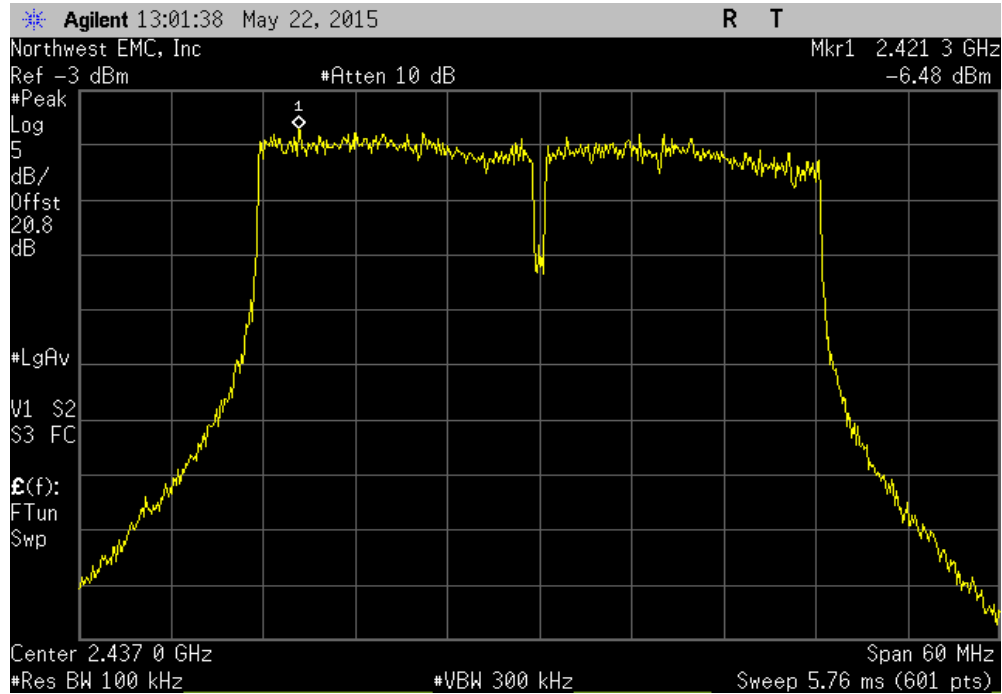


40 MHz, Chain C, 802.11(n) MCS15, Low Channel 1, 2422 MHz						
Value			Limit		Results	
dBm/100kHz			dBm/3kHz			
-5.601			8		Pass	

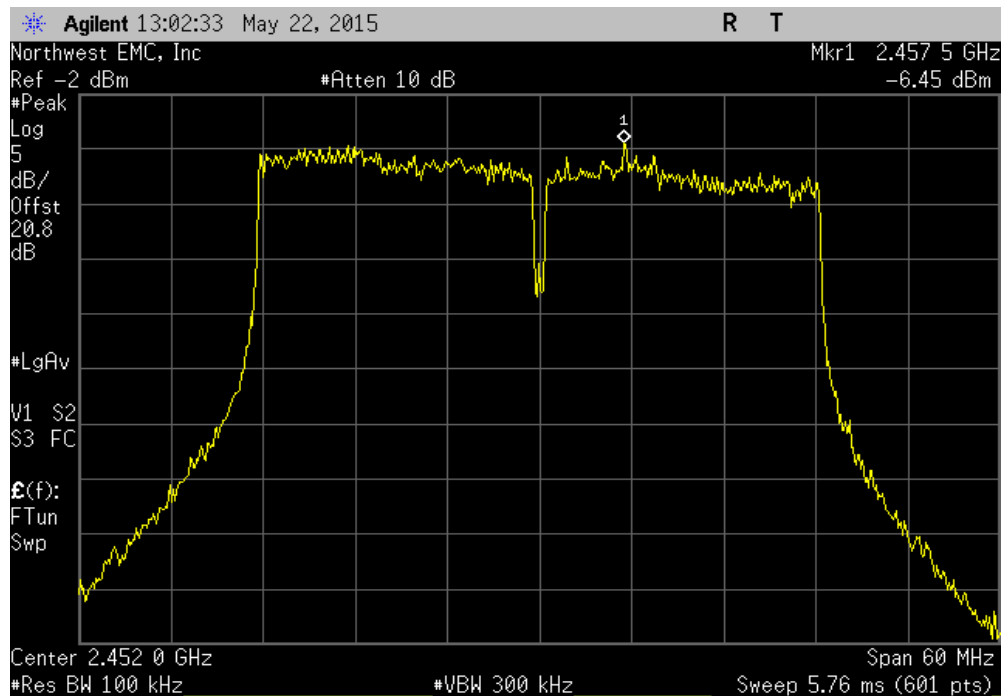


POWER SPECTRAL DENSITY

40 MHz, Chain C, 802.11(n) MCS15, Mid Channel 6, 2437 MHz						
Value			Limit		Results	
dBm/100kHz			dBm/3kHz			
-6.481			8		Pass	

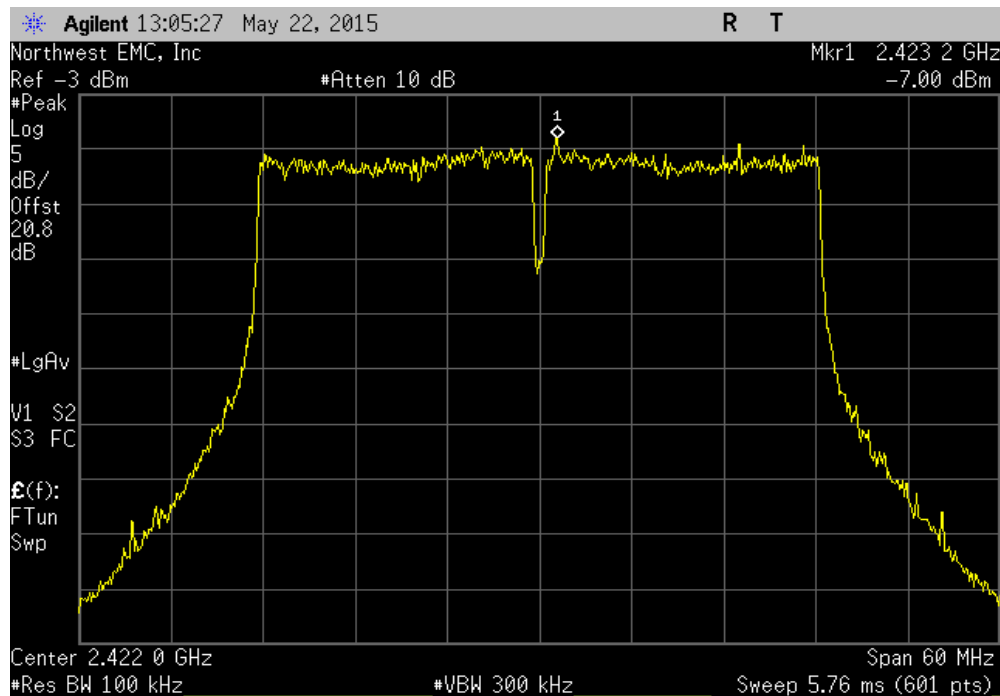


40 MHz, Chain C, 802.11(n) MCS15, High Channel 11, 2452 MHz						
Value			Limit		Results	
dBm/100kHz			dBm/3kHz			
-6.451			8		Pass	

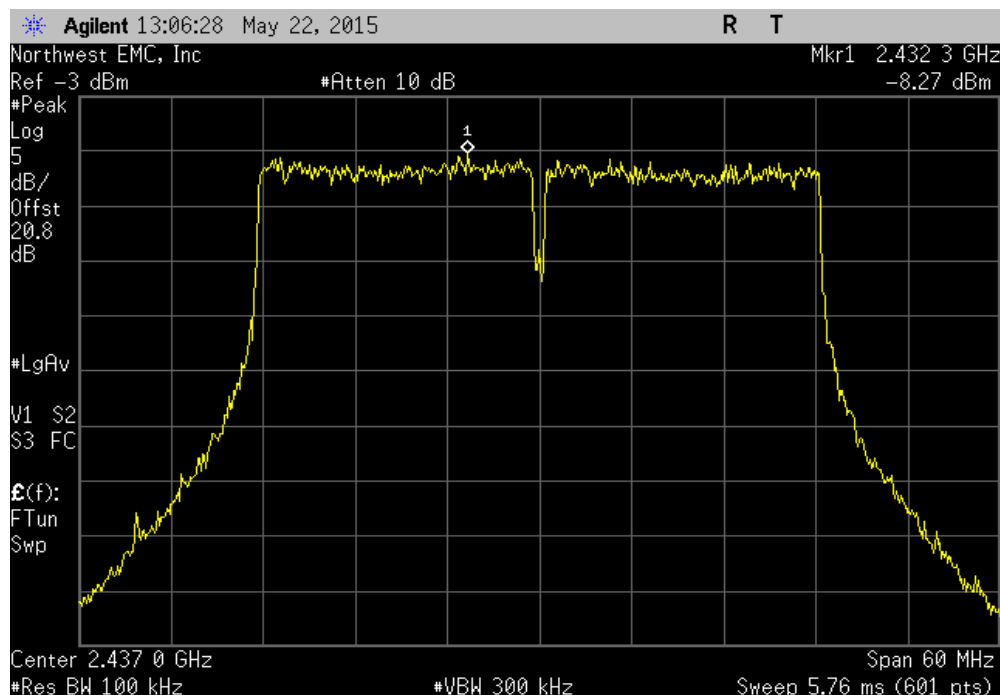


POWER SPECTRAL DENSITY

40 MHz, Chain B, 802.11(n) MCS8, Low Channel 1, 2422 MHz						
Value			Limit		Results	
dBm/100kHz			dBm/3kHz			
-7.001			8		Pass	

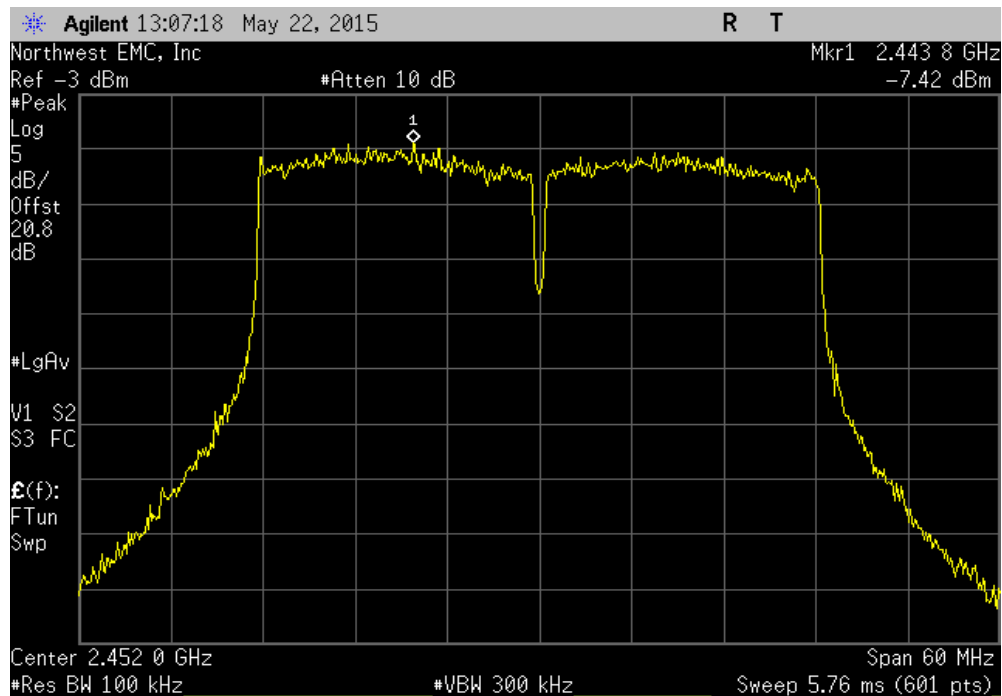


40 MHz, Chain B, 802.11(n) MCS8, Mid Channel 6, 2437 MHz						
Value			Limit		Results	
dBm/100kHz			dBm/3kHz			
-8.269			8		Pass	

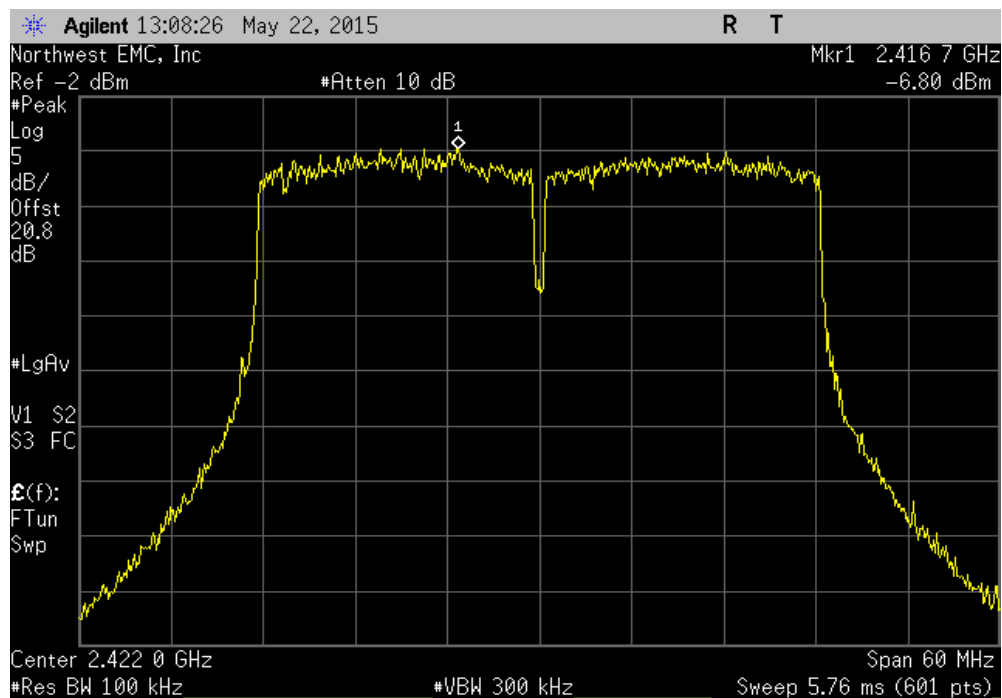


POWER SPECTRAL DENSITY

40 MHz, Chain B, 802.11(n) MCS8, High Channel 11, 2452 MHz						
Value				Limit		Results
dBm/100kHz				dBm/3kHz		
		-7.423			8	Pass

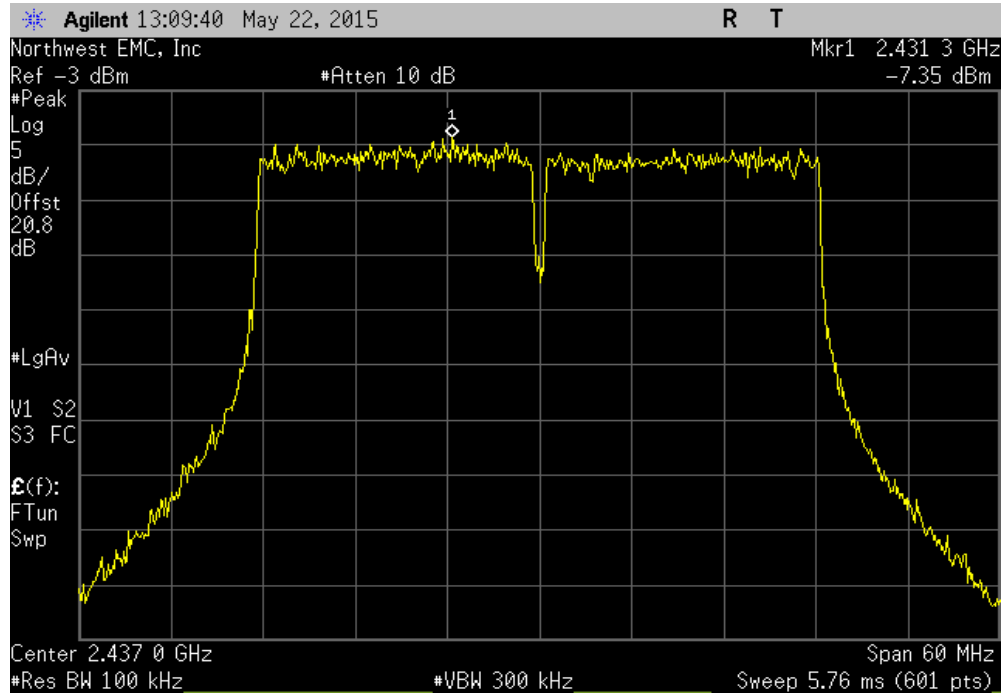


40 MHz, Chain B, 802.11(n) MCS15, Low Channel 1, 2422 MHz						
Value			Limit		Results	
dBm/100kHz			dBm/3kHz			
		-6.798		8	Pass	

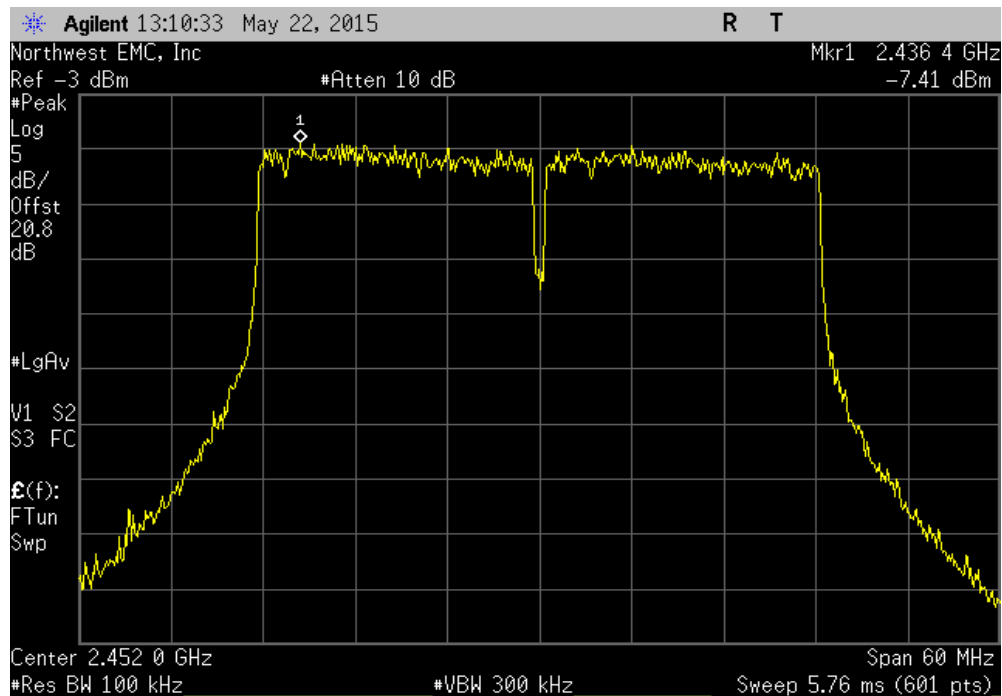


POWER SPECTRAL DENSITY

40 MHz, Chain B, 802.11(n) MCS15, Mid Channel 6, 2437 MHz						
Value			Limit		Results	
dBm/100kHz			dBm/3kHz			
-7.349			8		Pass	

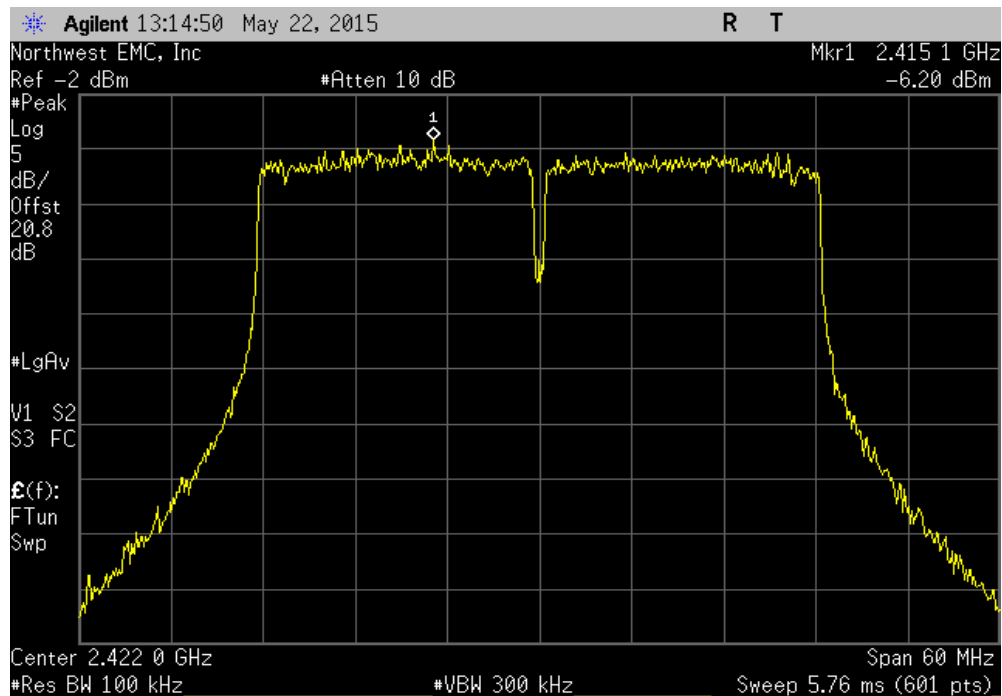


40 MHz, Chain B, 802.11(n) MCS15, High Channel 11, 2452 MHz						
Value			Limit		Results	
dBm/100kHz			dBm/3kHz			
-7.406			8		Pass	

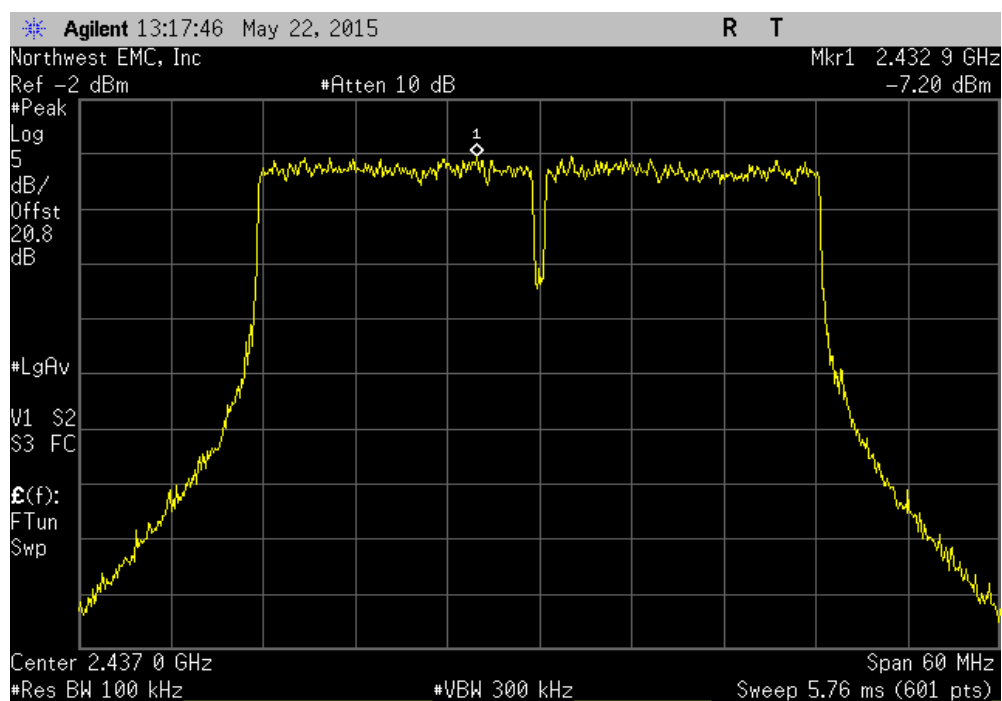


POWER SPECTRAL DENSITY

40 MHz, Chain A, 802.11(n) MCS8, Low Channel 1, 2422 MHz						
Value			Limit		Results	
dBm/100kHz			dBm/3kHz			
-6.204			8		Pass	

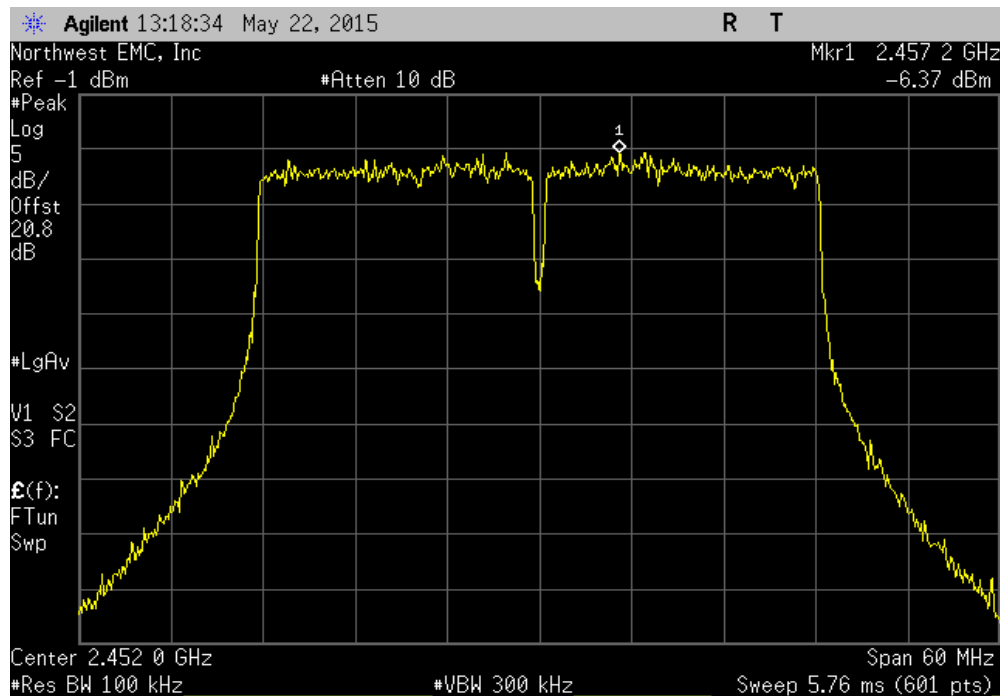


40 MHz, Chain A, 802.11(n) MCS8, Mid Channel 6, 2437 MHz						
Value			Limit		Results	
dBm/100kHz			dBm/3kHz			
-7.199			8		Pass	

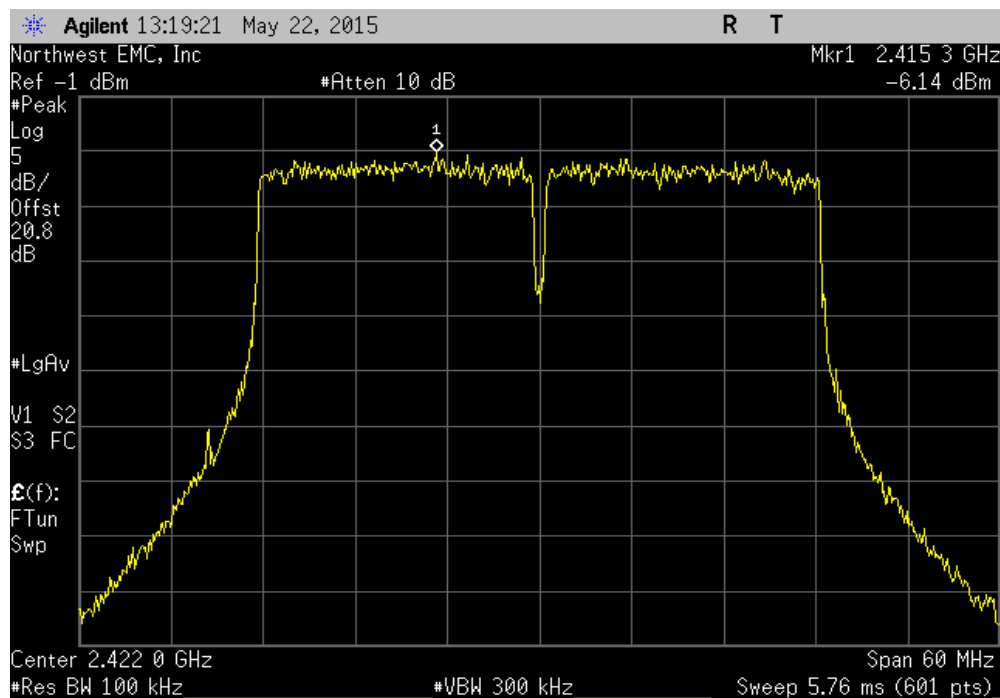


POWER SPECTRAL DENSITY

40 MHz, Chain A, 802.11(n) MCS8, High Channel 11, 2452 MHz						
Value			Limit		Results	
dBm/100kHz			dBm/3kHz			
-6.369			8		Pass	

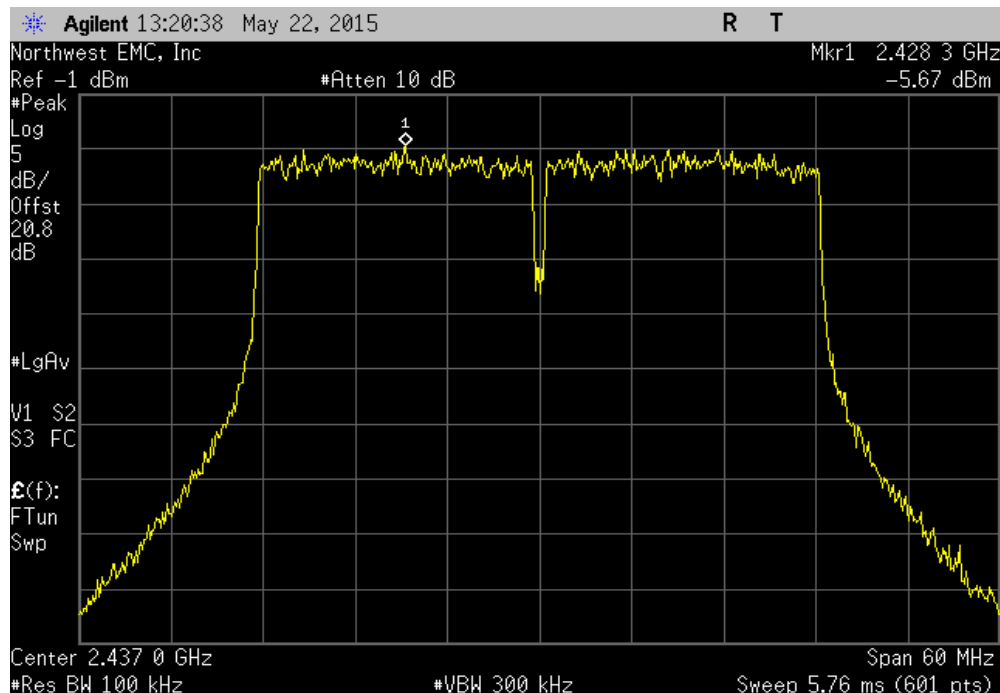


40 MHz, Chain A, 802.11(n) MCS15, Low Channel 1, 2422 MHz						
Value			Limit		Results	
dBm/100kHz			dBm/3kHz			
-6.138			8		Pass	

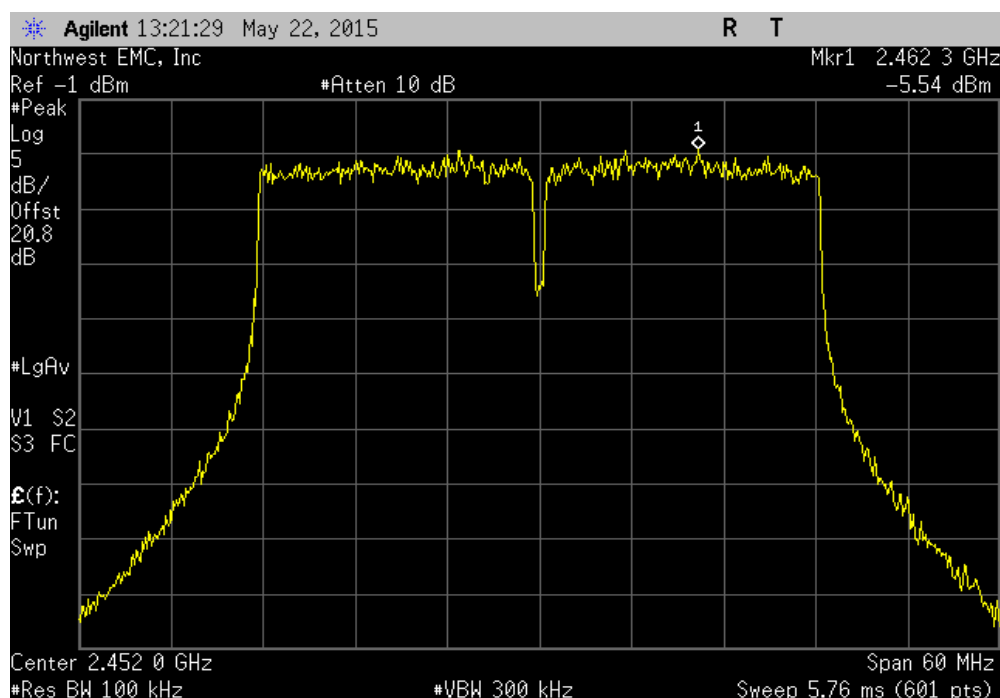


POWER SPECTRAL DENSITY

40 MHz, Chain A, 802.11(n) MCS15, Mid Channel 6, 2437 MHz						
Value			Limit		Results	
dBm/100kHz			dBm/3kHz			
-5.672			8		Pass	



40 MHz, Chain A, 802.11(n) MCS15, High Channel 11, 2452 MHz						
Value			Limit		Results	
dBm/100kHz			dBm/3kHz			
-5.541			8		Pass	



DUTY CYCLE

TEST DESCRIPTION

The transmission pulse duration (T) and Duty Cycle (x) were measured for each of the EUT operating modes per the FCC KDB 789033 D02 General UNII Test Procedures New Rules v01.

The measurements were made using a zero span on the spectrum analyzer to see the pulses in the time domain. The transmit power was set to its default maximum. A direct connection was made between the RF output of the EUT and a spectrum analyzer. Attenuation and a DC block were used

The duty cycle was calculated by dividing the transmission pulse duration (T) by the total period of a single on and total off time.

If the transmit duty cycle < 98 percent, a duty cycle correction factor in dB can be calculated to add to power measurements if required in the method guidance.

$$10 * \text{LOG} (1/x) = \text{dB}$$

The EUT was operating at 100% duty cycle