

ProSoft Technology, Inc.

RLXIB-IHN

RLXIB-ICN

RLXIB-IHN-W

RLXIB-IH2N

RLXIB-IH2N-W

RLXIB-IHN-WC

Report No. PROS0095 Rev. 1

Report Prepared By



www.nwemc.com
1-888-EMI-CERT

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EMC Test Report



22975 NW Evergreen Parkway
Suite 400
Hillsboro, Oregon 97124

Certificate of Test
Last Date of Test: May 6, 2011
ProSoft Technology, Inc.
Model: RLXIB-IHN

Emissions			
Test Description	Specification	Test Method	Pass/Fail
Emission Bandwidth	FCC 15.407:2011	ANSI C63.10:2009	Pass
Peak Power Spectral Density	FCC 15.407:2011	ANSI C63.10:2009	Pass
Peak Excursion of the Modulation Envelope	FCC 15.407:2011	ANSI C63.10:2009	Pass
Peak Transmit Power	FCC 15.407:2011	ANSI C63.10:2009	Pass
Frequency Stability	FCC 15.407:2011	ANSI C63.10:2009	Pass
Spurious Radiated Emissions	FCC 15.209:2011	ANSI C63.10:2009	Pass
AC Powerline Conducted Emissions	FCC 15.207:2011	ANSI C63.10:2009	Pass

Modifications made to the product

See the Modifications section of this report

Test Facility

The measurement facility used to collect the data is located at:

Northwest EMC, Inc.
41 Tesla Ave.
Irvine, CA 92618

Phone: (503) 844-4066 Fax: 844-3826

This site has been fully described in a report filed with and accepted by the FCC (Federal Communications Commission) and Industry Canada (Site filing #2834B-1).

Approved By:

Don Facteau, IS Manager



NVLAP Lab Code: 200676-0

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.

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. This Report may only be duplicated in its entirety. 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.

Revision Number	Description	Date	Page Number
01	Added model RLXIB-IHN-WC	6-1-11	1, 7

Barometric Pressure

The recorded barometric pressure has been normalized to sea level.



Accreditations and Authorizations

FCC

Accredited by NVLAP for performance of FCC radio, digital, and ISM device testing. Our Open Area Test Sites, certification chambers, and conducted measurement facilities have been fully described in reports filed with the FCC and accepted by the FCC in letters maintained in our files. Northwest EMC has been accredited by ANSI to ISO / IEC Guide 65 as a product certifier. We have been designated by the FCC as a Telecommunications Certification Body (TCB). This allows Northwest EMC to certify transmitters to FCC specifications in accordance with 47 CFR 2.960 and 2.962.

NVLAP

Northwest EMC, Inc. is accredited under the National Voluntary Laboratory Accreditation Program (NVLAP) for satisfactory compliance with the requirements of ISO/IEC 17025 for Testing Laboratories. NVLAP is administered by the National Institute of Standards and Technology (NIST), an agency of the U.S. Commerce Department. The NVLAP accreditation encompasses Electromagnetic Compatibility Testing in accordance with the European Union EMC Directive 2004/108/EC, and ANSI C63.4. Additionally, Northwest EMC is accredited by NVLAP to perform radio testing in accordance with the European Union R&TTE Directive 1999/5/EEC, the requirements of FCC, and the RSS radio standards for Industry Canada.

Industry Canada

Accredited by NVLAP for performance of Industry Canada RSS and ICES testing. Our Open Area Test Sites and certification chambers comply with RSS-Gen, Issue 2 and have been filed with Industry Canada and accepted. Northwest EMC has been accredited by ANSI to ISO / IEC Guide 65 as a product certifier. We have been designated by NIST and recognized by Industry Canada as a Certification Body (CB) per the APEC Mutual Recognition Arrangement (MRA). This allows Northwest EMC to certify transmitters to Industry Canada technical requirements. (*Site Filing Numbers - Hillsboro: 2834D-1, 2834D-2, Sultan: 2834C-1, Irvine: 2834B-1, 2834B-2, Brooklyn Park: 2834E-1*)

CAB

Designated by NIST and validated by the European Commission as a Conformity Assessment Body (CAB) to conduct tests and approve products to the EMC directive and transmitters to the R&TTE directive, as described in the U.S. - EU Mutual Recognition Agreement.

Australia/New Zealand

The National Association of Testing Authorities (NATA), Australia has been appointed by the ACA as an accreditation body to accredit test laboratories and competent bodies for EMC standards. Accredited test reports or assessments by competent bodies must carry the NATA logo. Test reports made by an overseas laboratory that has been accredited for the relevant standards by an overseas accreditation body that has a Mutual Recognition Agreement (MRA) with NATA are also accepted as technical grounds for product conformity. The report should be endorsed with the respective logo of the accreditation body (NVLAP).



Accreditations and Authorizations

VCCI

Accepted as an Associate Member to the VCCI, Acceptance No. 564. Conducted and radiated measurement facilities have been registered in accordance with Regulations for Voluntary Control Measures, Article 8. *(Registration Numbers. - Hillsboro: C-1071, R-1025, G-84, C-2687, T-1658, and R-2318, Irvine: R-1943, G-85, C-2766, and T-1659, Sultan: R-871, G-83, C-1784, and T-1511, Brooklyn Park: R-3125, G-86, G-141, C-3464, and T-1634).*

BSMI

Northwest EMC has been designated by NIST and validated by C-Taipei (BSMI) as a CAB to conduct tests as described in the APEC Mutual Recognition Agreement (US0017).

GOST

Northwest EMC, Inc. has been assessed and accredited by the Russian Certification bodies Certinform VNIINMASH, CERTINFO, SAMTES, and Federal CHEC, to perform EMC and Hygienic testing for Information Technology Products. As a result of their laboratory assessment, they will accept test results from Northwest EMC, Inc. for product certification

KCC

Northwest EMC, Inc is a CAB designated by MRA partners and recognized by Korea. *(Assigned Lab Numbers: Hillsboro: US0017, Irvine: US0158, Sultan: US0157, Brooklyn Park: US0175)*

VIETNAM

Vietnam MIC has approved Northwest EMC as an accredited test lab. Per Decision No. 194/QD-QLCL (dated December 15, 2009), Northwest EMC test reports can be used for Vietnam approval submissions.

SCOPE

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

<http://www.nwemc.com/accreditations/>



Northwest EMC Locations



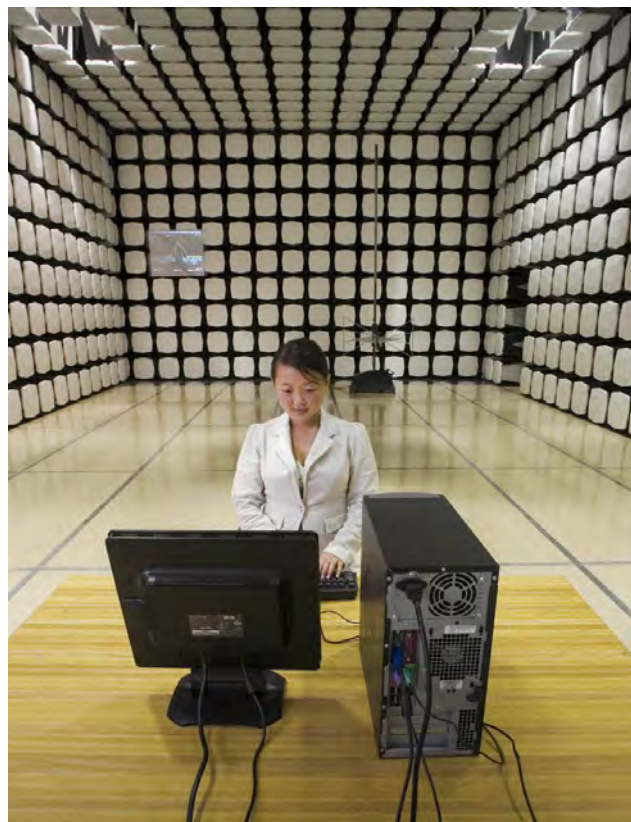
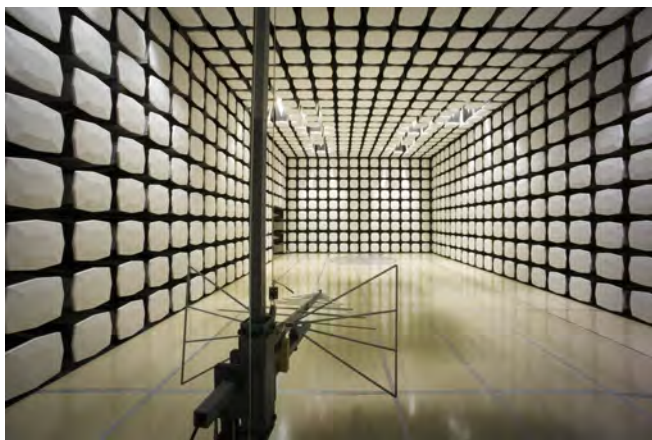
Oregon
Labs EV01-EV12
22975 NW Evergreen Pkwy
Suite 400
Hillsboro, OR 97124
(503) 844-4066

California
Labs OC01-OC13
41 Tesla
Irvine, CA 92618
(949) 861-8918

Minnesota
Labs MN01-MN08
9349 W Broadway Ave.
Brooklyn Park,
MN 55445
(763) 425-2281

Washington
Labs SU01-SU07
14128 339th Ave. SE
Sultan, WA 98294
(360) 793-8675

New York
Labs WA01-WA04
4939 Jordan Rd.
Elbridge, NY 13060
(315) 685-0796



Party Requesting the Test

Company Name:	ProSoft Technology, Inc.
Address:	5201 Truxtun Ave., 3rd Floor
City, State, Zip:	Bakersfield, CA 93309
Test Requested By:	Frank Hardy
Model:	RLXIB-IHN
First Date of Test:	May 2, 2011
Last Date of Test:	May 6, 2011
Receipt Date of Samples:	May 2, 2011
Equipment Design Stage:	Production
Equipment Condition:	No Damage

Information Provided by the Party Requesting the Test

Functional Description of the EUT (Equipment Under Test):

One combination 802.11a/b/g/n radio. It is master device and has ad-hoc capability.

Client Provided Justification:

The RLXIB System is comprised of the following models:

1. RLXIB - ICN
2. RLXIB – IHN
3. RLXIB-IHN-W
4. RLXIB-IH2N
5. RLXIB-IH2N-W
6. RLXIB-IHN-WC

The actual models tested were to represent a “worse-case” test subject is RLXIB-IHN.

Testing Objective:

Seeking to demonstrate compliance under FCC 15.407 for operation in the 5.2, 5.3, and 5.6 bands.

CONFIGURATION 1 PROS0095

EUT			
Description	Manufacturer	Model/Part Number	Serial Number
EUT	ProSoft Technology, Inc.	RLXIB-IHN	00-0D-8D-F0-3C-75

Peripherals in test setup boundary			
Description	Manufacturer	Model/Part Number	Serial Number
Switching Power Adapter	Phihong	PSC20R-120	P80800120B1
Host PC	Dell	Inspiron 6000	IS386

Cables					
Cable Type	Shield	Length (m)	Ferrite	Connection 1	Connection 2
Power Supply	No	1.8m	Yes	EUT	AC Mains
Lan Cable	No	1.0m	No	EUT	Host PC
PA = Cable is permanently attached to the device. Shielding and/or presence of ferrite may be unknown.					

CONFIGURATION 2 PROS0095

EUT			
Description	Manufacturer	Model/Part Number	Serial Number
EUT	ProSoft Technology, Inc.	RLXIB-IHN	00-0D-8D-F0-3C-75

Peripherals in test setup boundary			
Description	Manufacturer	Model/Part Number	Serial Number
Switching Power Adapter	Phihong	PSC20R-120	P80800120B1
Host PC	Dell	Inspiron 6000	IS386
5 dBi (5GHz) Antenna	ProSoft Technology, Inc.	None	None

Cables					
Cable Type	Shield	Length (m)	Ferrite	Connection 1	Connection 2
Power Supply	No	1.8m	Yes	EUT	AC Mains
Lan Cable	No	1.0m	No	EUT	Host PC
Lan Cable	No	8m	No	EUT	Unterminated
PA = Cable is permanently attached to the device. Shielding and/or presence of ferrite may be unknown.					

Equipment modifications					
Item	Date	Test	Modification	Note	Disposition of EUT
1	5/2/2011	Emission 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.
2	5/2/2011	Peak 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.
3	5/2/2011	Peak Transmit 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.
4	5/2/2011	Peak Excursion of the Modulation Envelope	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	5/2/2011	Frequency Stability	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	5/5/2011	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	5/6/2011	AC Powerline Conducted Emissions	Tested as delivered to Test Station.	No EMI suppression devices were added or modified during this test.	Scheduled testing was completed.

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
Power Sensor	Agilent	E4412A	SQE	4/21/2010	24
Signal Generator	Agilent	E8257D	TGU	1/26/2011	12
Power Meter	Hewlett Packard	E4418A	SPA	4/21/2010	24
Attenuator	S.M. Electronics	SA18N5W-06	AWP	2/15/2010	24
Attenuator, 10db 'SMA'	Weinschel Corp	4H-10	AWA	3/19/2010	15
Spectrum Analyzer	Agilent	E4440A	AFA	2/9/2010	15

MEASUREMENT UNCERTAINTY

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 for radiated emissions measurements is less than +/- 4 dB, and for conducted emissions measurements is less than +/- 2.7 dB. Our measurement data meets or exceeds the measurement uncertainty requirements of CISPR 16-4; therefore, the test data can be compared directly to the specification limit to determine compliance. The calculations for measurement uncertainty are available upon request.

TEST DESCRIPTION

FCC Public Notice DA 02-2138 was followed. The transmit frequency was set to the lowest, a medium, and the highest channels in each band. The transmit power was set to its default maximum. The lowest, a medium, and the highest data rates were measured if available. 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 spectrum analyzer settings were as follows:

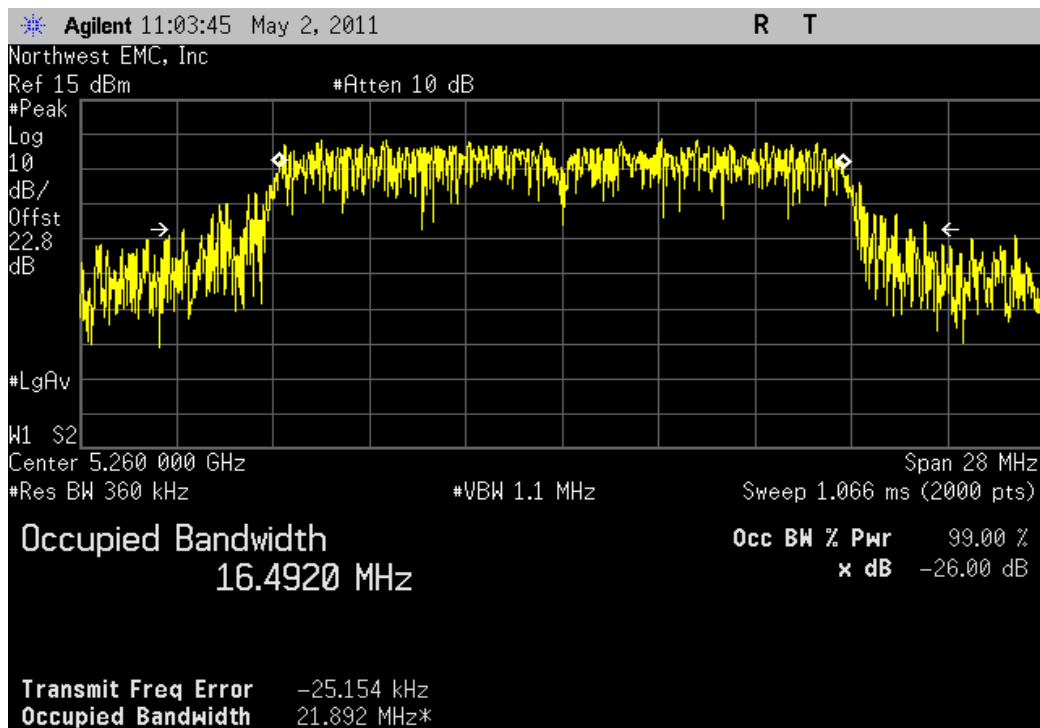
- Span = approximately 1.5 to 2 times the emission bandwidth, centered on the transmit channel.
- RBW = Approx. 1% of the emission bandwidth (B). This was an iterative process where an exact match of 1% may not be achieved. The largest value of RBW that came close to 1% of the emission bandwidth was used.
- A peak detector was used.

The marker-delta function was then used to measure 26 dB emission bandwidth

NORTHWEST		Emission Bandwidth		XMIT 2011.04.20 PsaTx 2011.04.21	
EMC					
EUT: RLXIB-IHN-A		Work Order: PROS0095			
Serial Number: 00-0D-8D-F0-3C-75		Date: 05/02/11			
Customer: ProSoft Technology, Inc.		Temperature: 22.8C° C			
Attendees: None		Humidity: 41%			
Project: None		Barometric Pres.: 1012.4			
Tested by: Jaemi Suh		Power: 120VAC/60Hz		Job Site: OC13	
TEST SPECIFICATIONS		TEST METHOD			
FCC 15.407:2011		ANSI C63.10:2009			
COMMENTS					
Antenna Port A. Antenna Power Level Set to 14.					
DEVIATIONS FROM TEST STANDARD					
No Deviations					
Configuration #	1	Signature 			
			Value	Limit	Result
802.11(a) 6 Mbps					
	5250 - 5350 MHz Band				
	Channel 52, Low Channel		21.892 MHz	> 500 kHz	Pass
	Channel 64, High Channel		21.453 MHz	> 500 kHz	Pass
	5470 - 5725 MHz Band				
	Channel 100, Low Channel		22.075 MHz	> 500 kHz	Pass
	Channel 120, Mid Channel		21.36 MHz	> 500 kHz	Pass
	Channel 140, High Channel		21.846 MHz	> 500 kHz	Pass
802.11(a) 36 Mbps					
	5250 - 5350 MHz Band				
	Channel 52, Low Channel		20.973 MHz	> 500 kHz	Pass
	Channel 64, High Channel		20.907 MHz	> 500 kHz	Pass
	5470 - 5725 MHz Band				
	Channel 100, Low Channel		20.819 MHz	> 500 kHz	Pass
	Channel 120, Mid Channel		21.073 MHz	> 500 kHz	Pass
	Channel 140, High Channel		21.083 MHz	> 500 kHz	Pass
802.11(a) 54 Mbps					
	5250 - 5350 MHz Band				
	Channel 52, Low Channel		20.992 MHz	> 500 kHz	Pass
	Channel 64, High Channel		21.051 MHz	> 500 kHz	Pass
	5470 - 5725 MHz Band				
	Channel 100, Low Channel		21.02 MHz	> 500 kHz	Pass
	Channel 120, Mid Channel		20.946 MHz	> 500 kHz	Pass
	Channel 140, High Channel		21.675 MHz	> 500 kHz	Pass
802.11(n) MCS0					
	5250 - 5350 MHz Band				
	Channel 52, Low Channel		22.767 MHz	> 500 kHz	Pass
	Channel 64, High Channel		22.445 MHz	> 500 kHz	Pass
	5470 - 5725 MHz Band				
	Channel 100, Low Channel		22.33 MHz	> 500 kHz	Pass
	Channel 120, Mid Channel		22.49 MHz	> 500 kHz	Pass
	Channel 140, High Channel		22.983 MHz	> 500 kHz	Pass
802.11(n) MCS7					
	5250 - 5350 MHz Band				
	Channel 52, Low Channel		22.165 MHz	> 500 kHz	Pass
	Channel 64, High Channel		22.083 MHz	> 500 kHz	Pass
	5470 - 5725 MHz Band				
	Channel 100, Low Channel		21.951 MHz	> 500 kHz	Pass
	Channel 120, Mid Channel		22.201 MHz	> 500 kHz	Pass
	Channel 140, High Channel		22.315 MHz	> 500 kHz	Pass

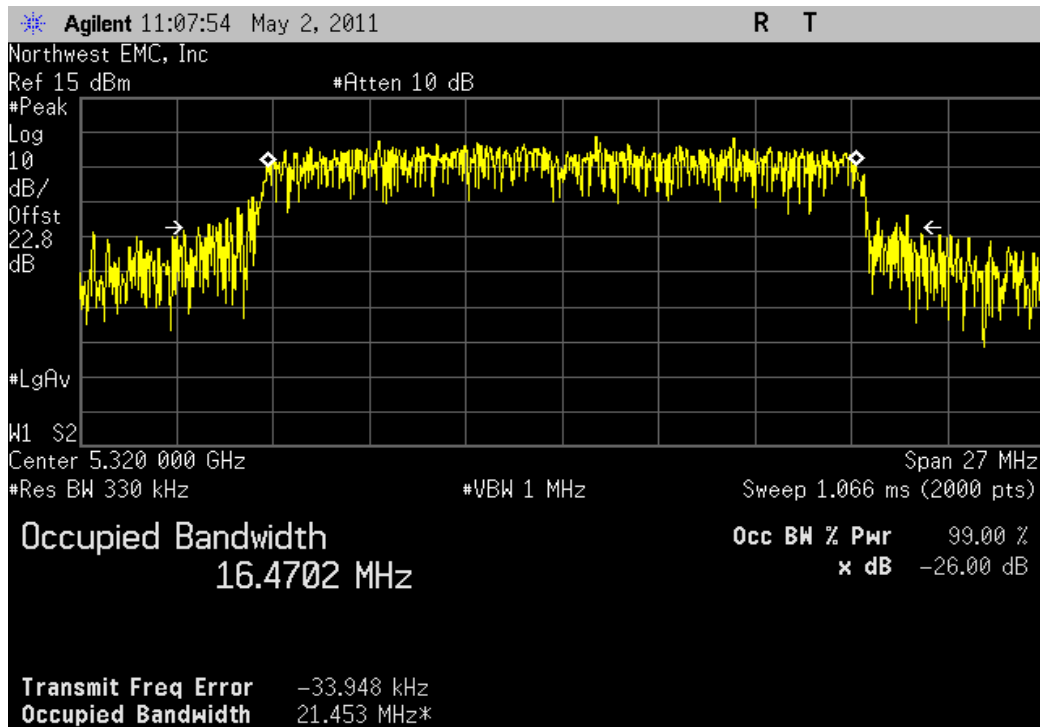
802.11(a) 6 Mbps, 5250 - 5350 MHz Band, Channel 52, Low Channel

				Value	Limit	Result
				21.892 MHz	> 500 kHz	Pass



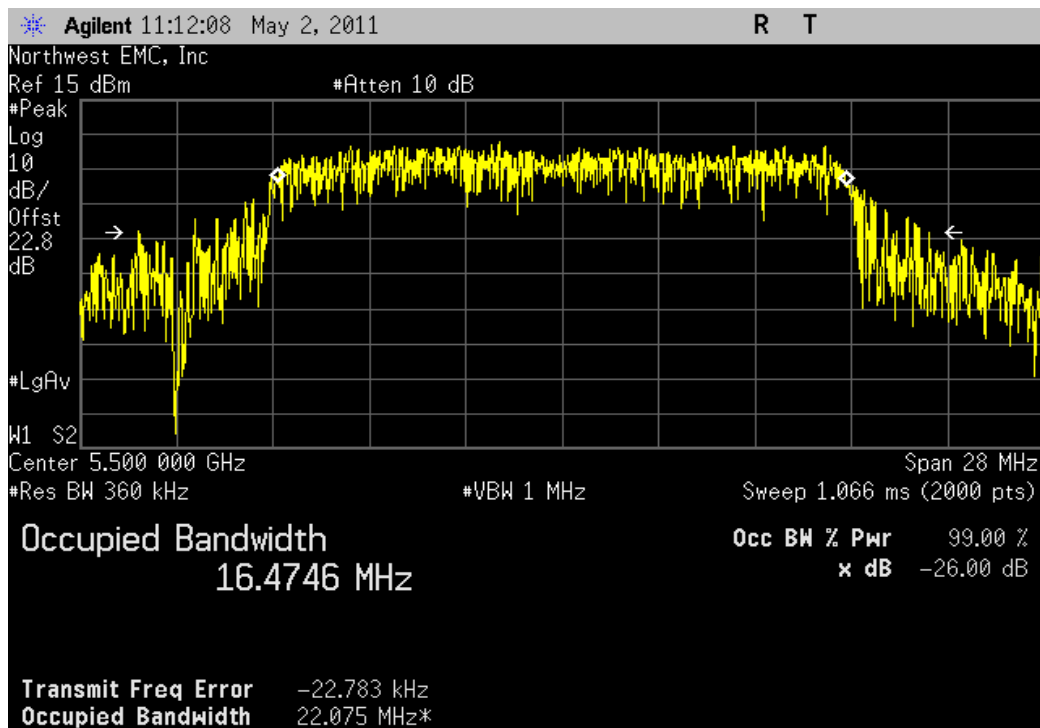
802.11(a) 6 Mbps, 5250 - 5350 MHz Band, Channel 64, High Channel

				Value	Limit	Result
				21.453 MHz	> 500 kHz	Pass



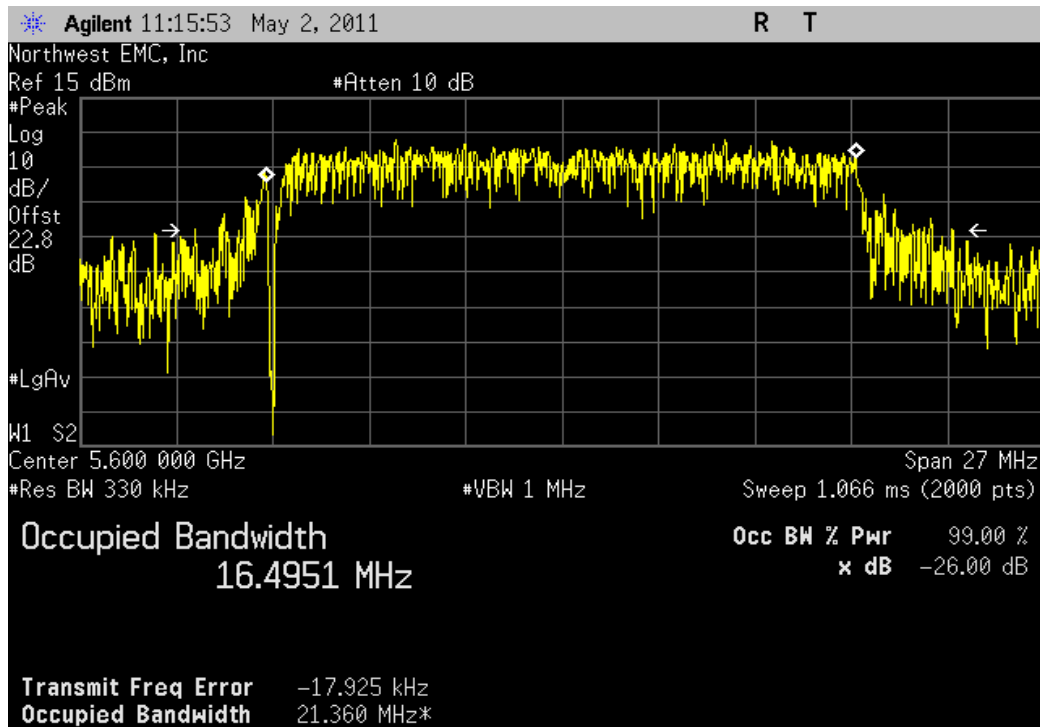
802.11(a) 6 Mbps, 5470 - 5725 MHz Band, Channel 100, Low Channel

				Value	Limit	Result
				22.075 MHz	> 500 kHz	Pass



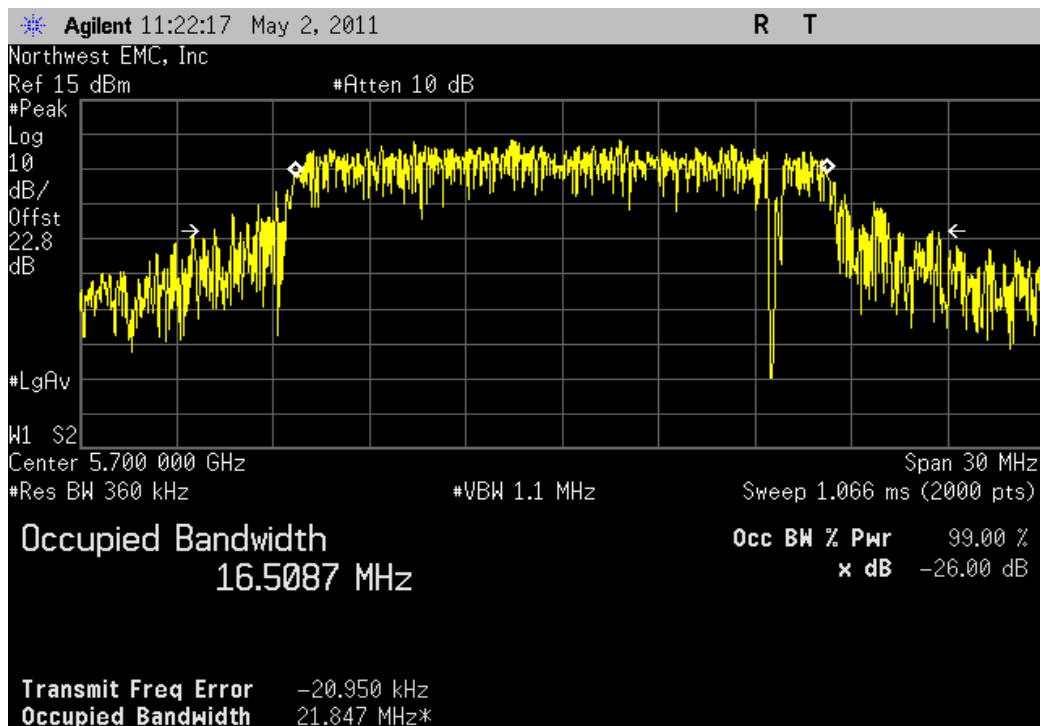
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				Value	Limit	Result
				21.36 MHz	> 500 kHz	Pass



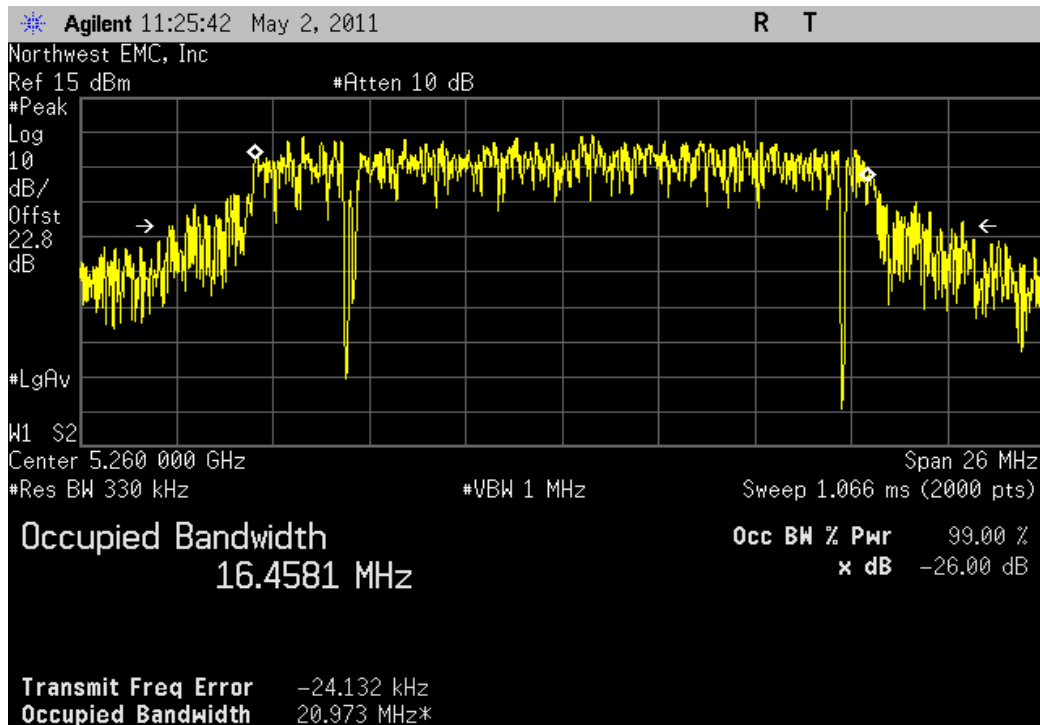
802.11(a) 6 Mbps, 5470 - 5725 MHz Band, Channel 140, High Channel

				Value	Limit	Result
				21.846 MHz	> 500 kHz	Pass



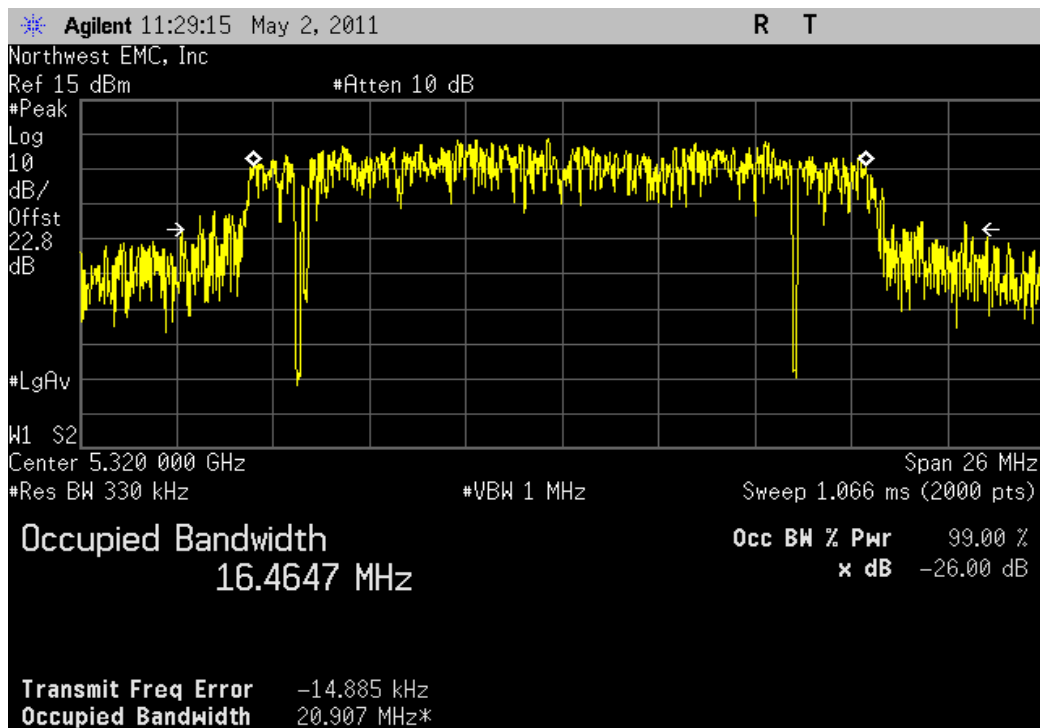
802.11(a) 36 Mbps, 5250 - 5350 MHz Band, Channel 52, Low Channel

				Value	Limit	Result
				20.973 MHz	> 500 kHz	Pass



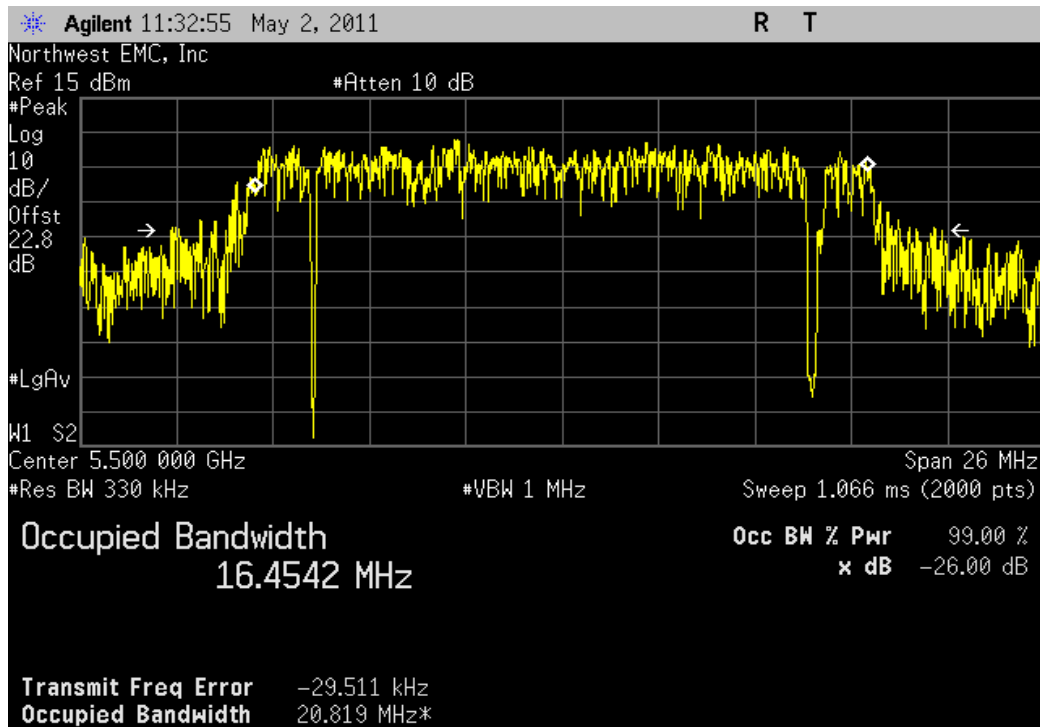
802.11(a) 36 Mbps, 5250 - 5350 MHz Band, Channel 64, High Channel

				Value	Limit	Result
				20.907 MHz	> 500 kHz	Pass



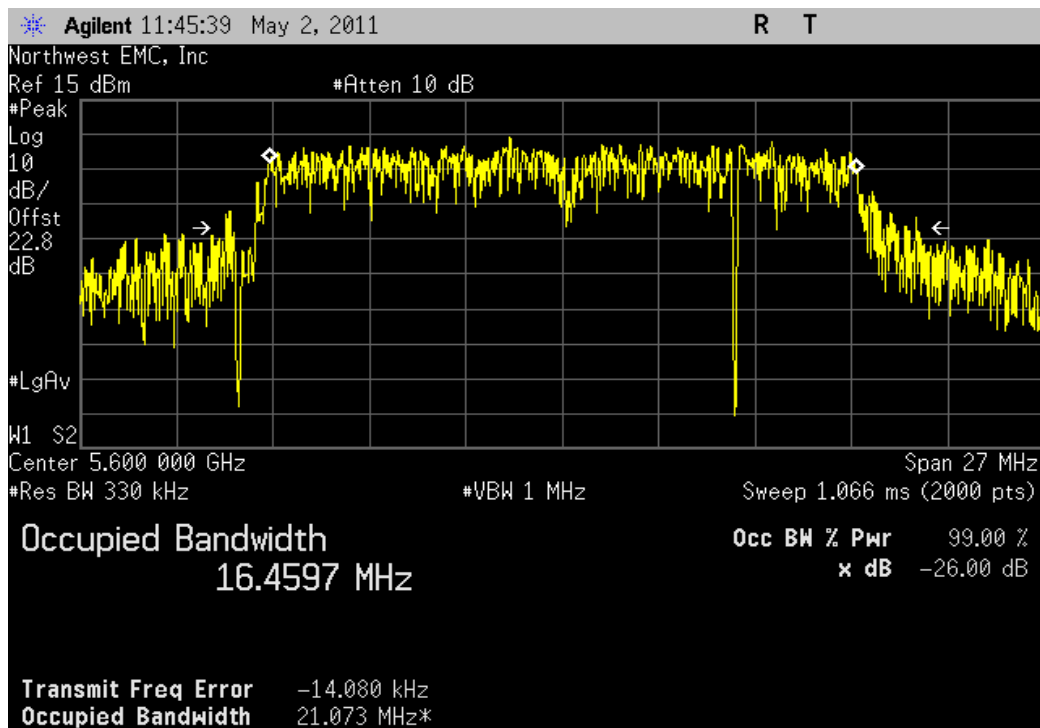
802.11(a) 36 Mbps, 5470 - 5725 MHz Band, Channel 100, Low Channel

				Value	Limit	Result
				20.819 MHz	> 500 kHz	Pass



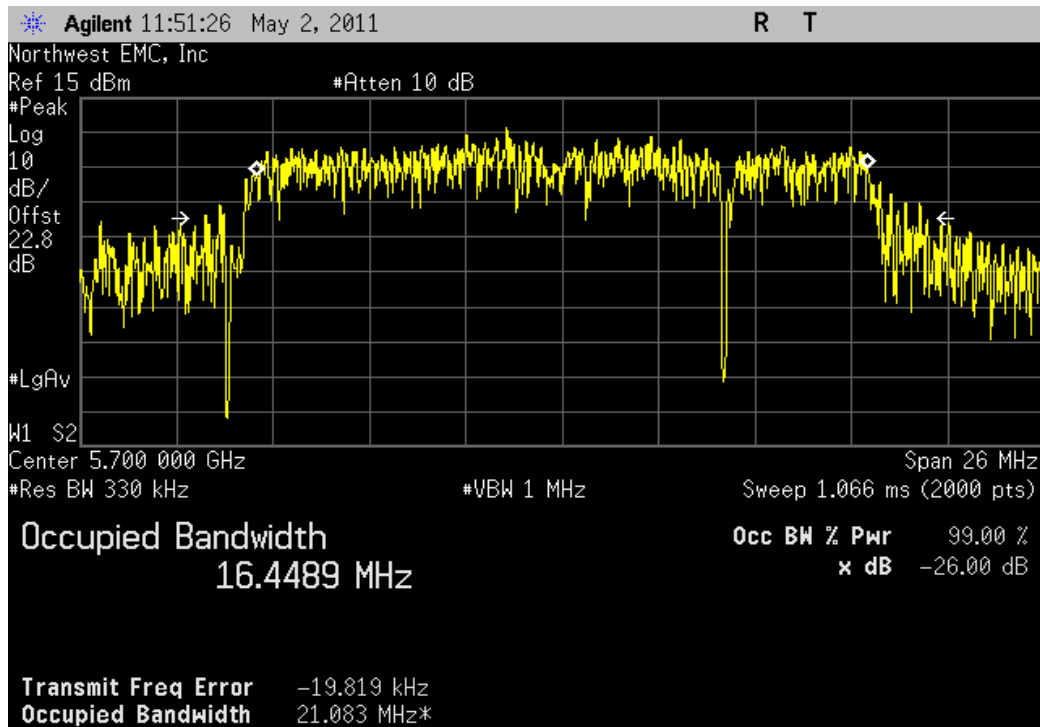
802.11(a) 36 Mbps, 5470 - 5725 MHz Band, Channel 120, Mid Channel

				Value	Limit	Result
				21.073 MHz	> 500 kHz	Pass



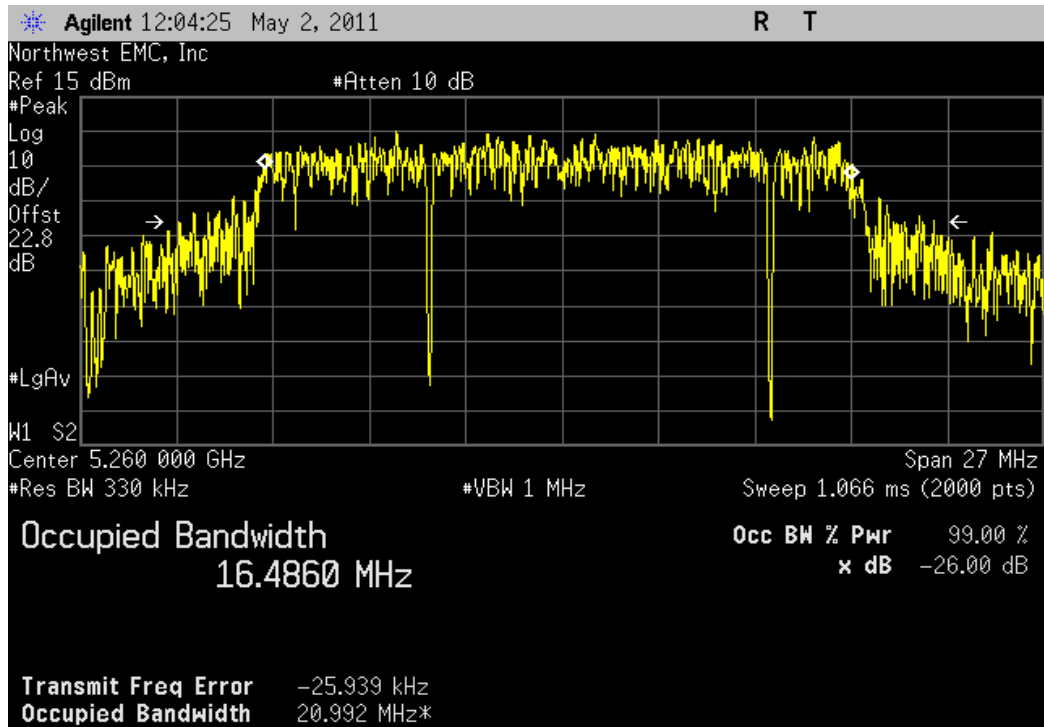
802.11(a) 36 Mbps, 5470 - 5725 MHz Band, Channel 140, High Channel

				Value	Limit	Result
				21.083 MHz	> 500 kHz	Pass



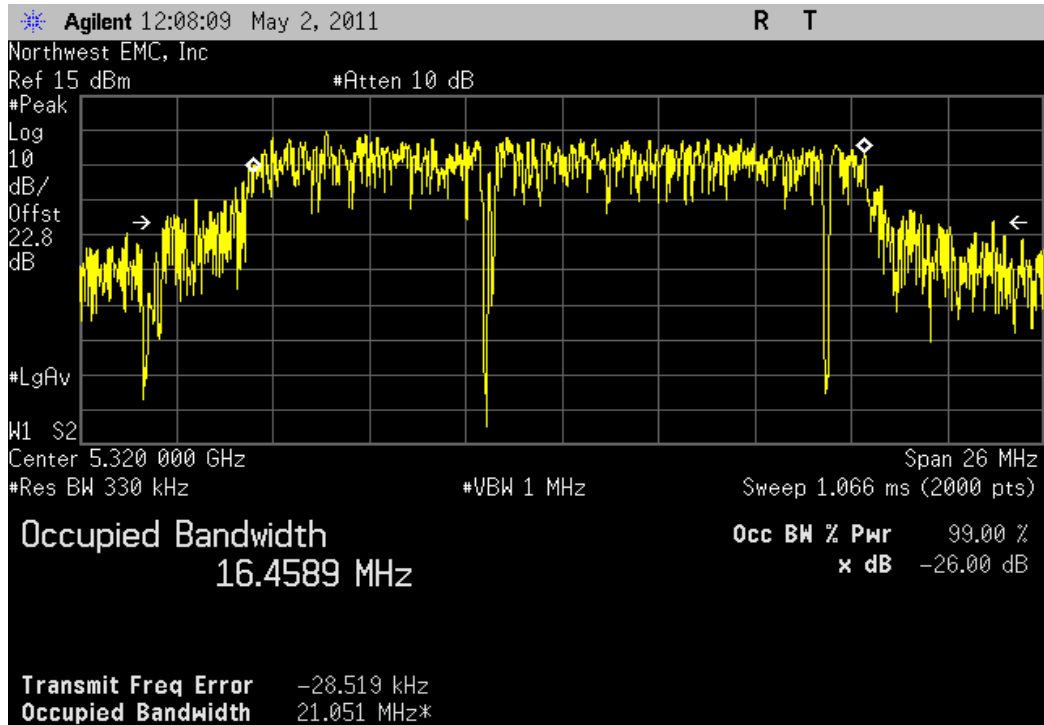
802.11(a) 54 Mbps, 5250 - 5350 MHz Band, Channel 52, Low Channel

				Value	Limit	Result
				20.992 MHz	> 500 kHz	Pass



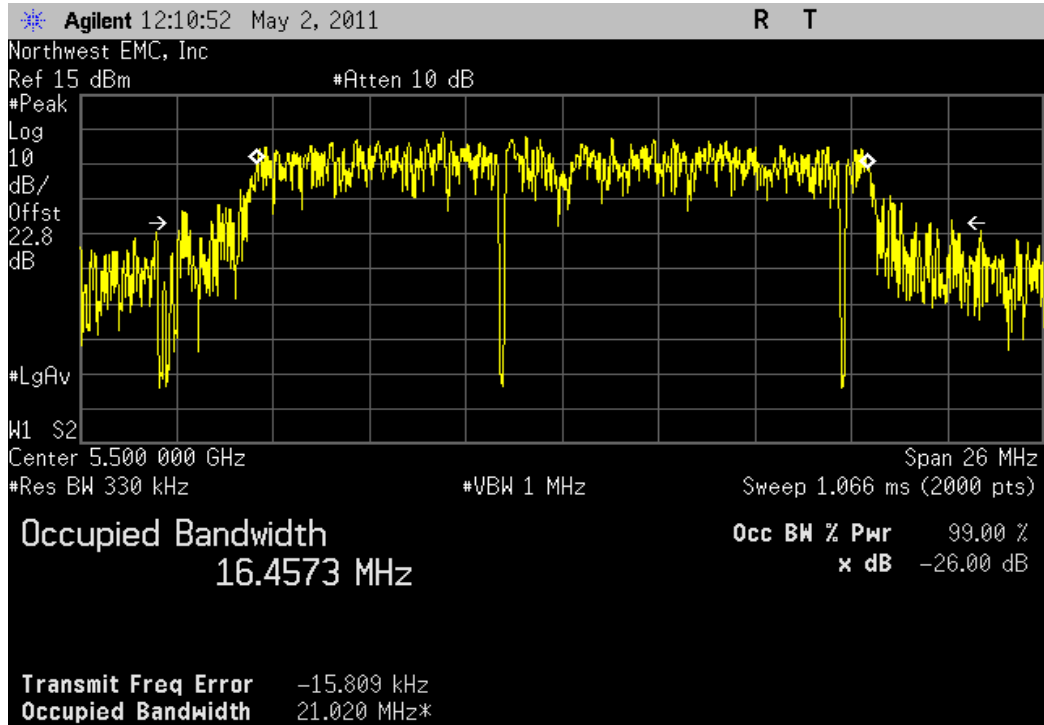
802.11(a) 54 Mbps, 5250 - 5350 MHz Band, Channel 64, High Channel

				Value	Limit	Result
				21.051 MHz	> 500 kHz	Pass



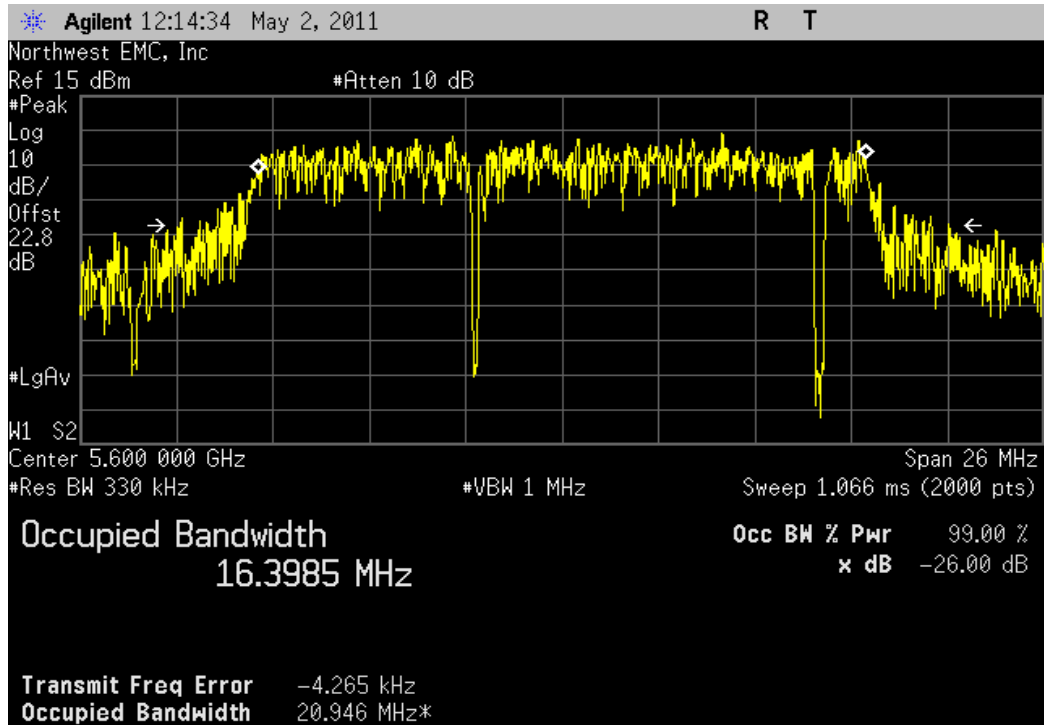
802.11(a) 54 Mbps, 5470 - 5725 MHz Band, Channel 100, Low Channel

				Value	Limit	Result
				21.02 MHz	> 500 kHz	Pass



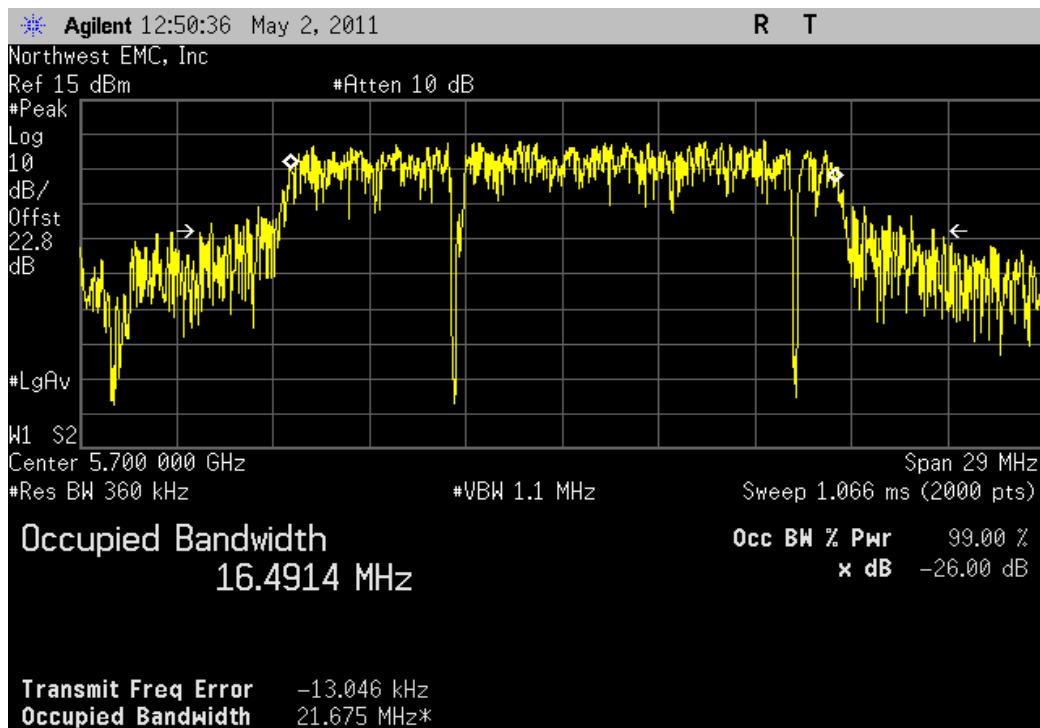
802.11(a) 54 Mbps, 5470 - 5725 MHz Band, Channel 120, Mid Channel

				Value	Limit	Result
				20.946 MHz	> 500 kHz	Pass



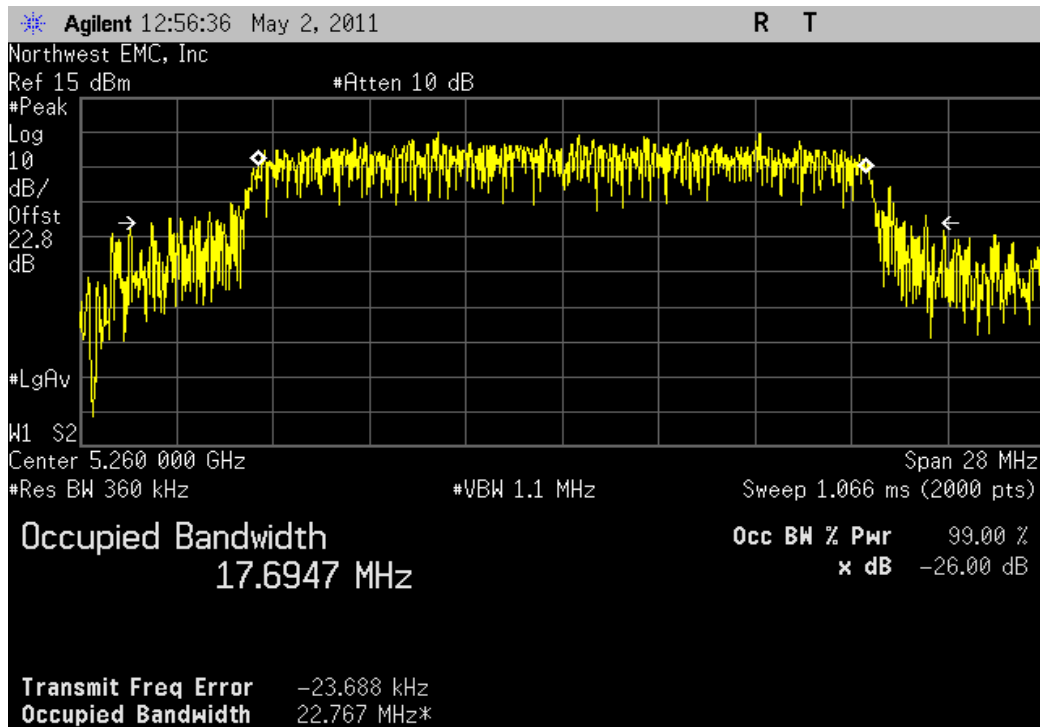
802.11(a) 54 Mbps, 5470 - 5725 MHz Band, Channel 140, High Channel

				Value	Limit	Result
				21.675 MHz	> 500 kHz	Pass



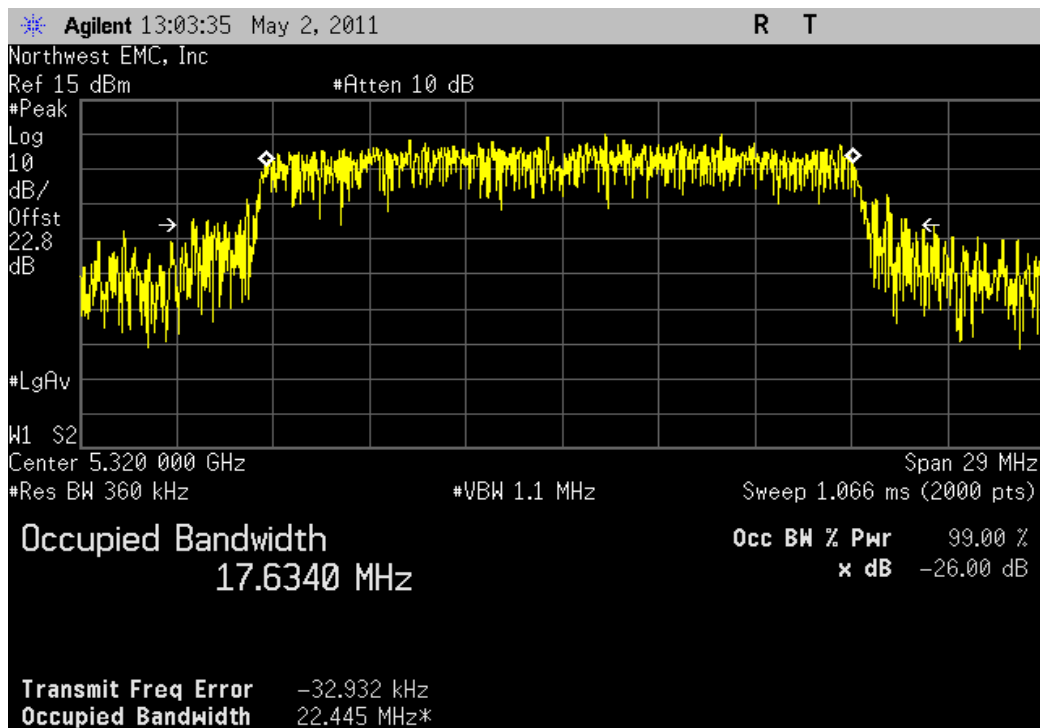
802.11(n) MCS0, 5250 - 5350 MHz Band, Channel 52, Low Channel

				Value	Limit	Result
				22.767 MHz	> 500 kHz	Pass



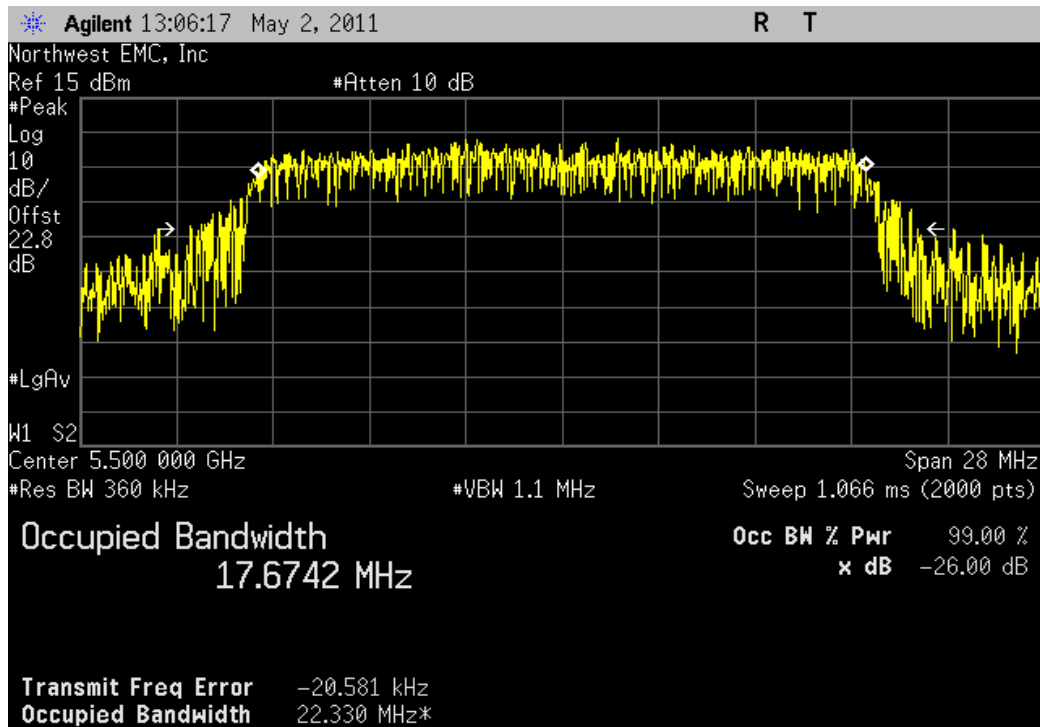
802.11(n) MCS0, 5250 - 5350 MHz Band, Channel 64, High Channel

				Value	Limit	Result
				22.445 MHz	> 500 kHz	Pass



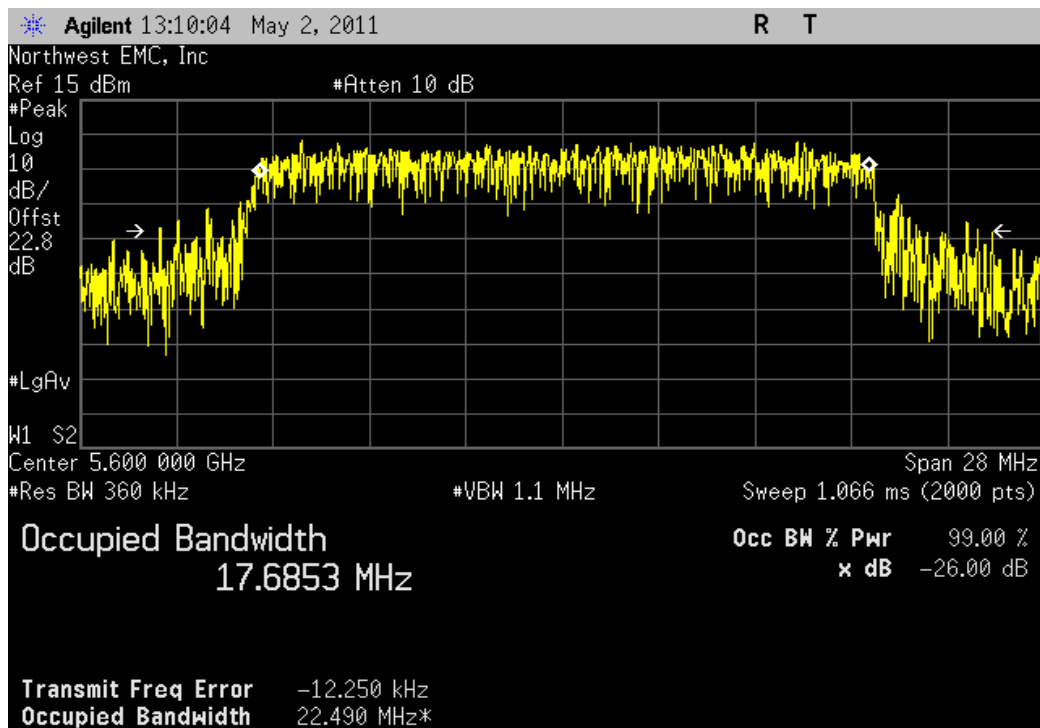
802.11(n) MCS0, 5470 - 5725 MHz Band, Channel 100, Low Channel

				Value	Limit	Result
				22.33 MHz	> 500 kHz	Pass



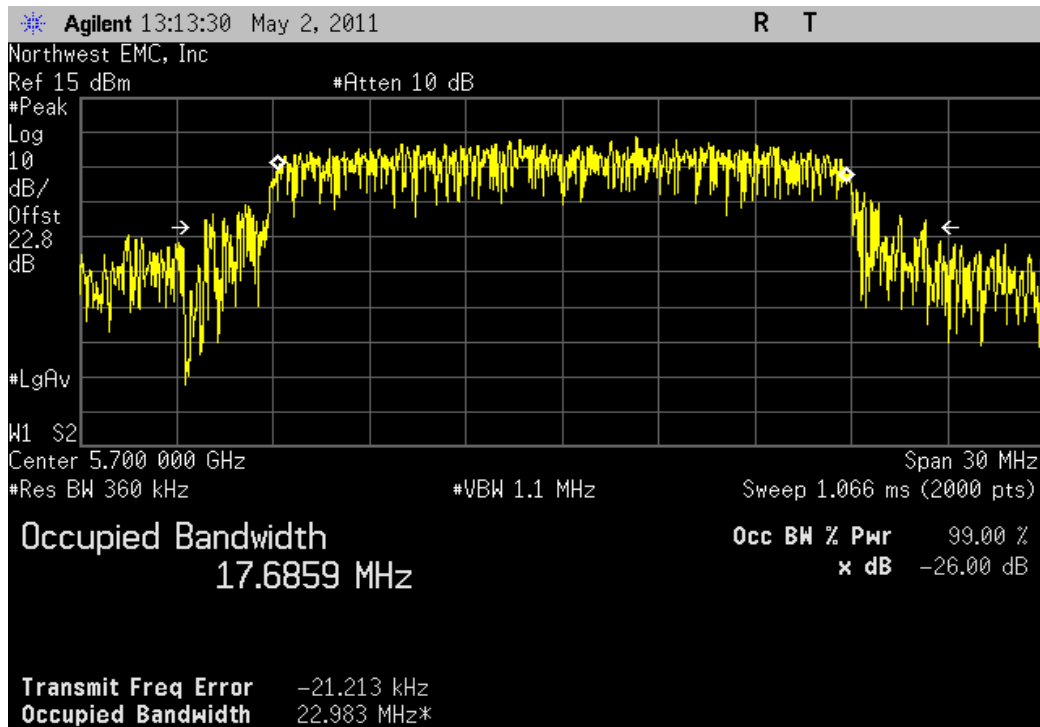
802.11(n) MCS0, 5470 - 5725 MHz Band, Channel 120, Mid Channel

				Value	Limit	Result
				22.49 MHz	> 500 kHz	Pass



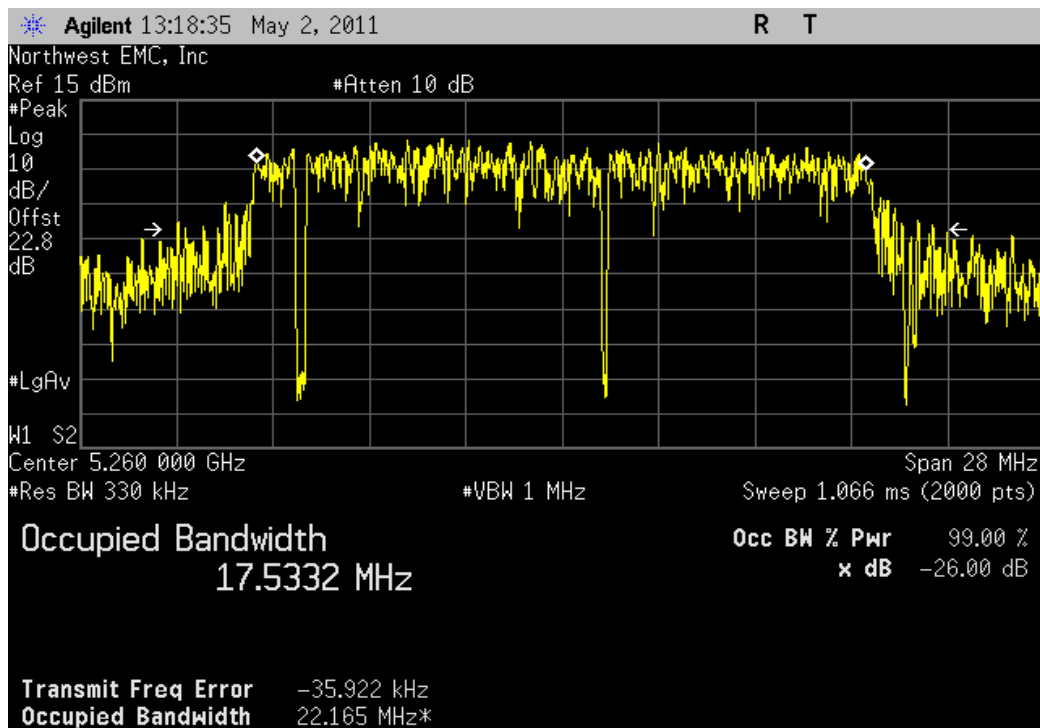
802.11(n) MCS0, 5470 - 5725 MHz Band, Channel 140, High Channel

				Value	Limit	Result
				22.983 MHz	> 500 kHz	Pass



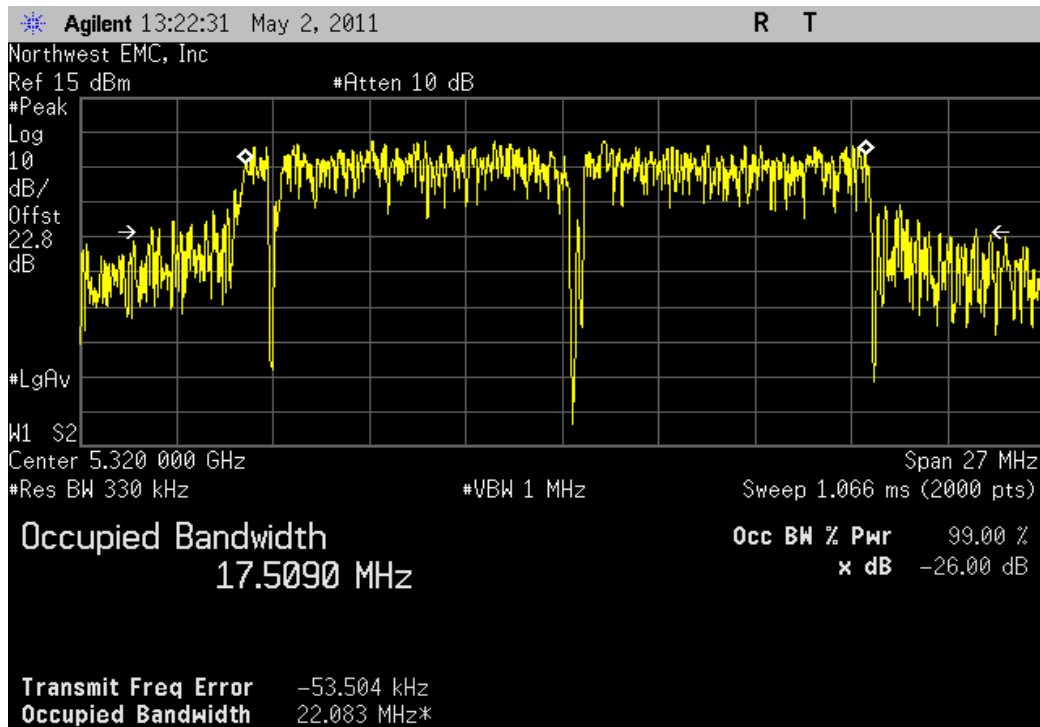
802.11(n) MCS7, 5250 - 5350 MHz Band, Channel 52, Low Channel

				Value	Limit	Result
				22.165 MHz	> 500 kHz	Pass



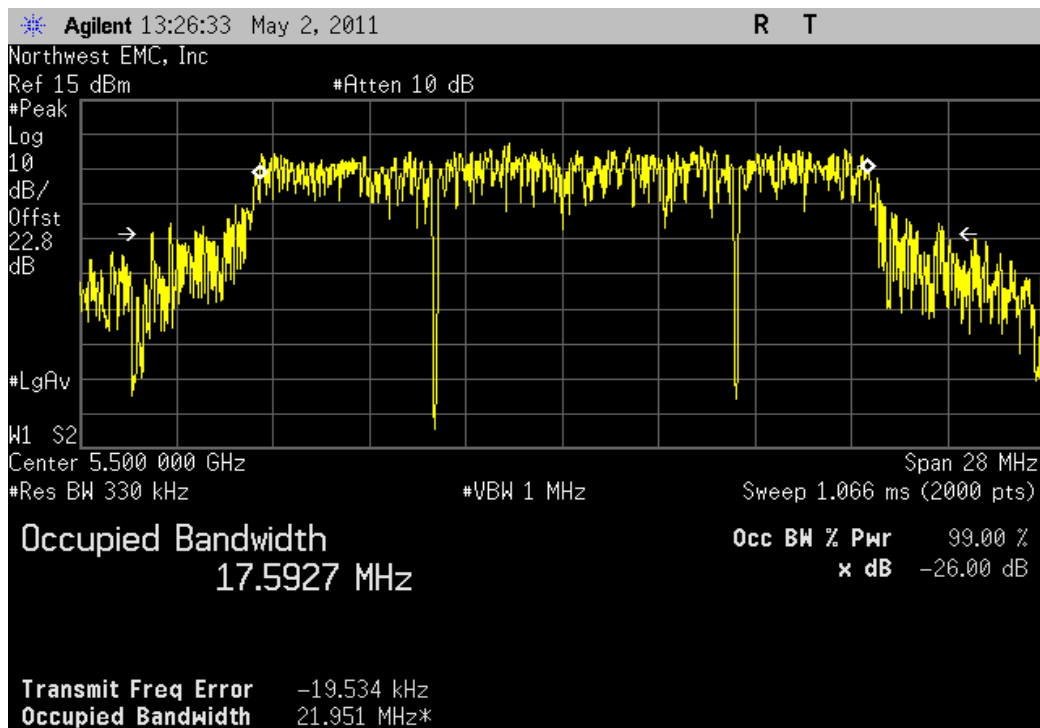
802.11(n) MCS7, 5250 - 5350 MHz Band, Channel 64, High Channel

				Value	Limit	Result
				22.083 MHz	> 500 kHz	Pass



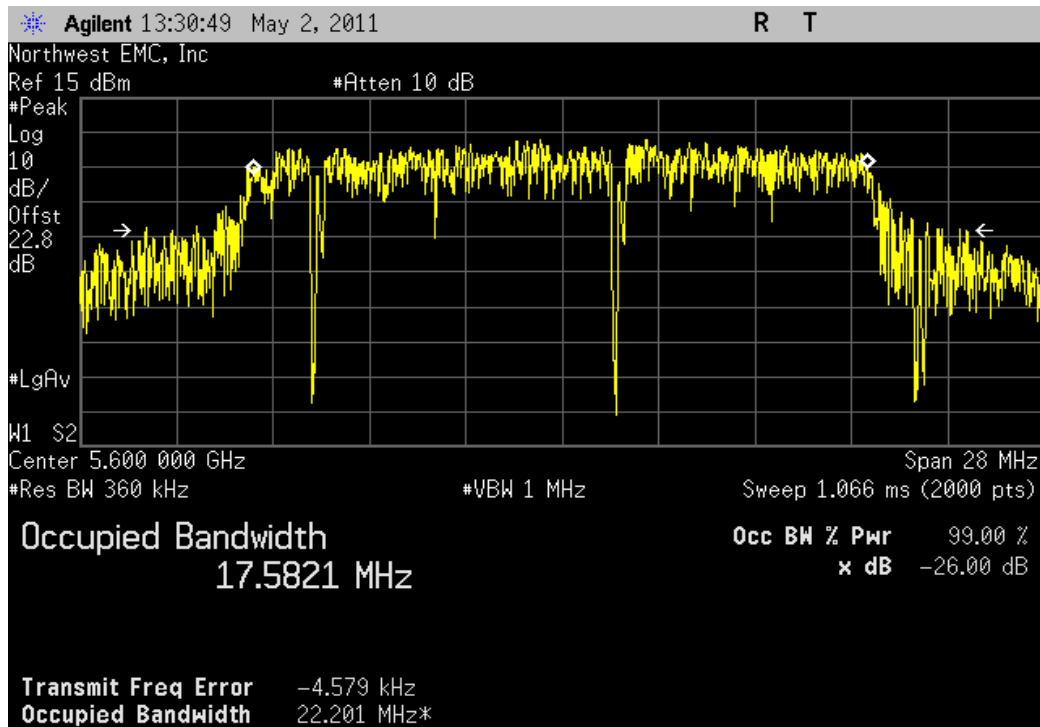
802.11(n) MCS7, 5470 - 5725 MHz Band, Channel 100, Low Channel

				Value	Limit	Result
				21.951 MHz	> 500 kHz	Pass



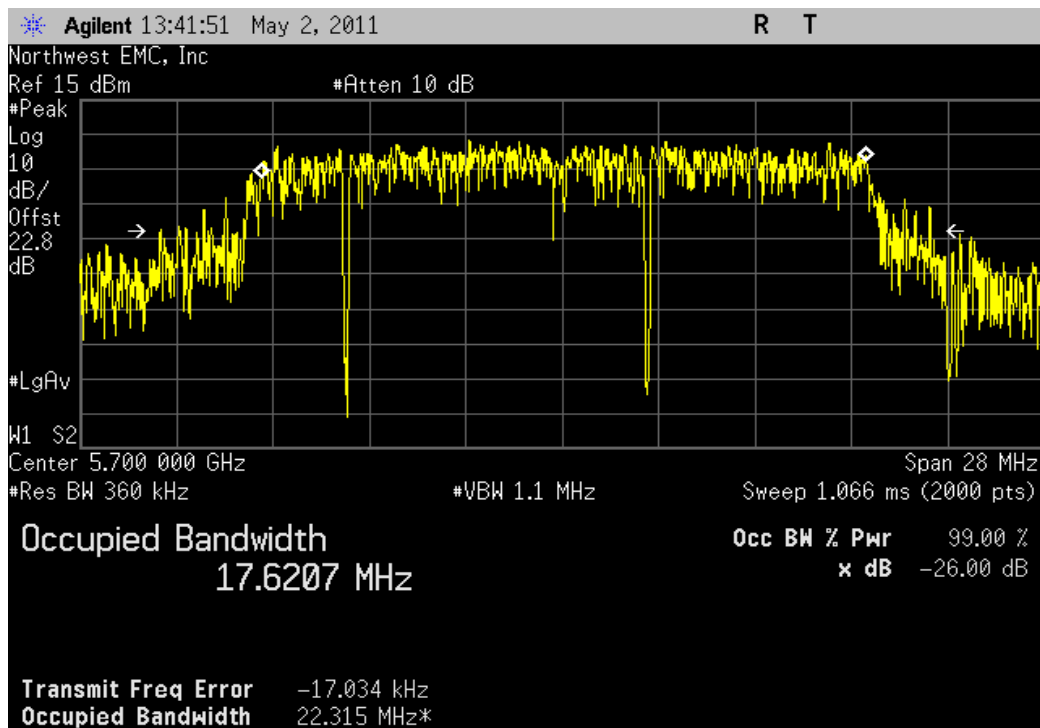
802.11(n) MCS7, 5470 - 5725 MHz Band, Channel 120, Mid Channel

				Value	Limit	Result
				22.201 MHz	> 500 kHz	Pass



802.11(n) MCS7, 5470 - 5725 MHz Band, Channel 140, High Channel

Value	Limit	Result
22.315 MHz	> 500 kHz	Pass



Peak 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
Spectrum Analyzer	Agilent	E4440A	AFA	2/9/2010	15
Attenuator, 10db 'SMA'	Weinschel Corp	4H-10	AWA	3/19/2010	15
Attenuator	S.M. Electronics	SA18N5W-06	AWP	2/15/2010	24
Power Sensor	Agilent	E4412A	SQE	4/21/2010	24
Power Meter	Hewlett Packard	E4418A	SPA	4/21/2010	24
Signal Generator	Agilent	E8257D	TGU	1/26/2011	12

MEASUREMENT UNCERTAINTY

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 for radiated emissions measurements is less than +/- 4 dB, and for conducted emissions measurements is less than +/- 2.7 dB. Our measurement data meets or exceeds the measurement uncertainty requirements of CISPR 16-4; therefore, the test data can be compared directly to the specification limit to determine compliance. The calculations for measurement uncertainty are available upon request.

TEST DESCRIPTION

ANSI C63.10 was followed. The transmit frequency was set to the required channels in each band. The transmit power was set to its default maximum. The lowest data rate was measured as it provided the highest output power. 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 amplitude accuracy of the spectrum analyzer was further enhanced by calibrating the setup using the power meter and synthesized signal generator.

Prior to measuring peak power spectral density, the transmission pulse duration (T) were measured. The transmission pulse duration and the associated data are found elsewhere in this test report.

Method #2 was used.

The spectrum analyzer settings were as follows:

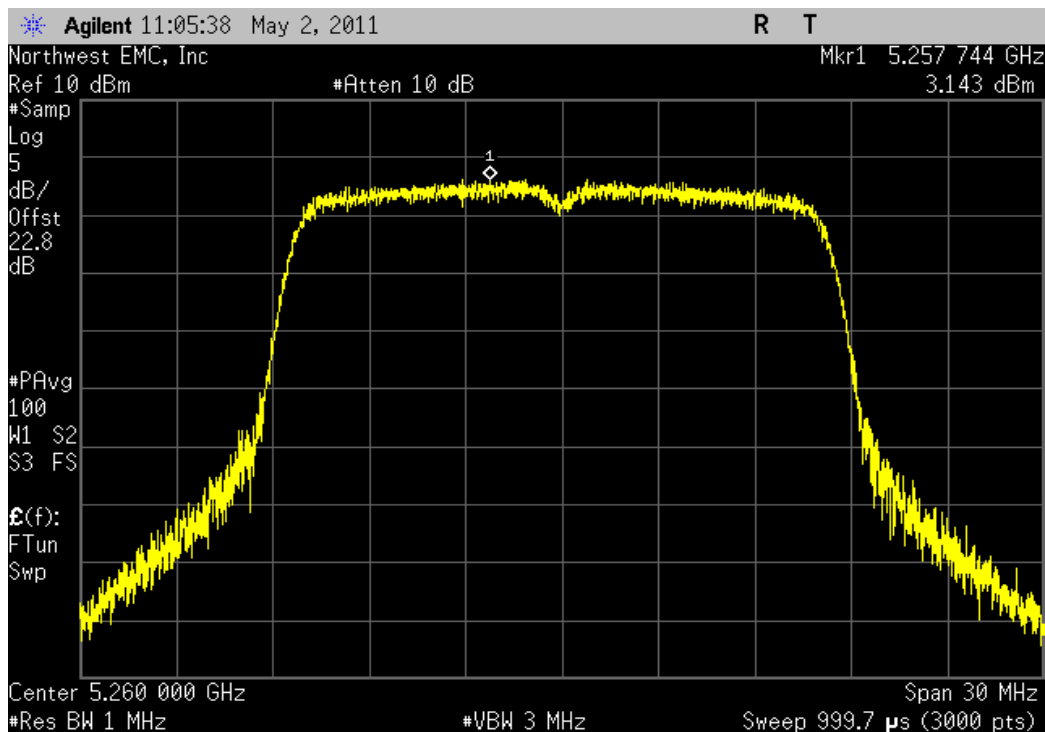
- The span was set to encompass entire emission bandwidth (B), centered on the transmit channel.
- RBW = 1 MHz, VBW >= 3 MHz because the emission bandwidth (B) is greater than 1 MHz
- Sample detector mode because the bin width (span / number of spectral points) < 0.5 RBW.
- Trace average 100 traces in power averaging mode (not video averaging).

The peak power spectral density (PPSD) was determined to be the highest level found across the emission in any 1 MHz band after 100 sweeps of power averaging (not video averaging).

NORTHWEST		Peak Power Spectral Density		XMit 2011.04.20 PsaTx 2011.04.21	
EMC					
EUT: RLXIB-IHN		Work Order: PROS0095			
Serial Number: 00-0D-8D-F0-3C-75		Date: 05/02/11			
Customer: ProSoft Technology, Inc.		Temperature: 22.54°C			
Attendees: None		Humidity: 21%			
Project: None		Barometric Pres.: 1014.2			
Tested by: Jaemi Suh		Power: 120VAC/60Hz		Job Site: OC13	
TEST SPECIFICATIONS		TEST METHOD			
FCC 15.407:2011		ANSI C63.10:2009			
COMMENTS					
Antenna Port A. Antenna Power Level Set to 14.					
DEVIATIONS FROM TEST STANDARD					
No Deviations					
Configuration #	1	Signature 			
			Value (dBm / MHz)	Limit (dBm / MHz)	Result
802.11(a) 6 Mbps					
5250 - 5350 MHz Band					
Channel 52, Low Channel			3.143	4	Pass
Channel 64, High Channel			2.991	4	Pass
5470 - 5725 MHz Band					
Channel 100, Low Channel			1.937	4	Pass
Channel 120, Mid Channel			1.921	4	Pass
Channel 140, High Channel			2.661	4	Pass
802.11(a) 36 Mbps					
5250 - 5350 MHz Band					
Channel 52, Low Channel			3.102	4	Pass
Channel 64, High Channel			3.231	4	Pass
5470 - 5725 MHz Band					
Channel 100, Low Channel			2.382	4	Pass
Channel 120, Mid Channel			2.198	4	Pass
Channel 140, High Channel			2.658	4	Pass
802.11(a) 54 Mbps					
5250 - 5350 MHz Band					
Channel 52, Low Channel			3.067	4	Pass
Channel 64, High Channel			3.09	4	Pass
5470 - 5725 MHz Band					
Channel 100, Low Channel			2.508	4	Pass
Channel 120, Mid Channel			2.185	4	Pass
Channel 140, High Channel			2.615	4	Pass
802.11(n) MCS0					
5250 - 5350 MHz Band					
Channel 52, Low Channel			2.943	4	Pass
Channel 64, High Channel			2.548	4	Pass
5470 - 5725 MHz Band					
Channel 100, Low Channel			1.874	4	Pass
Channel 120, Mid Channel			1.841	4	Pass
Channel 140, High Channel			2.552	4	Pass
802.11(n) MCS7					
5250 - 5350 MHz Band					
Channel 52, Low Channel			2.956	4	Pass
Channel 64, High Channel			2.469	4	Pass
5470 - 5725 MHz Band					
Channel 100, Low Channel			1.637	4	Pass
Channel 120, Mid Channel			1.578	4	Pass
Channel 140, High Channel			2.453	4	Pass

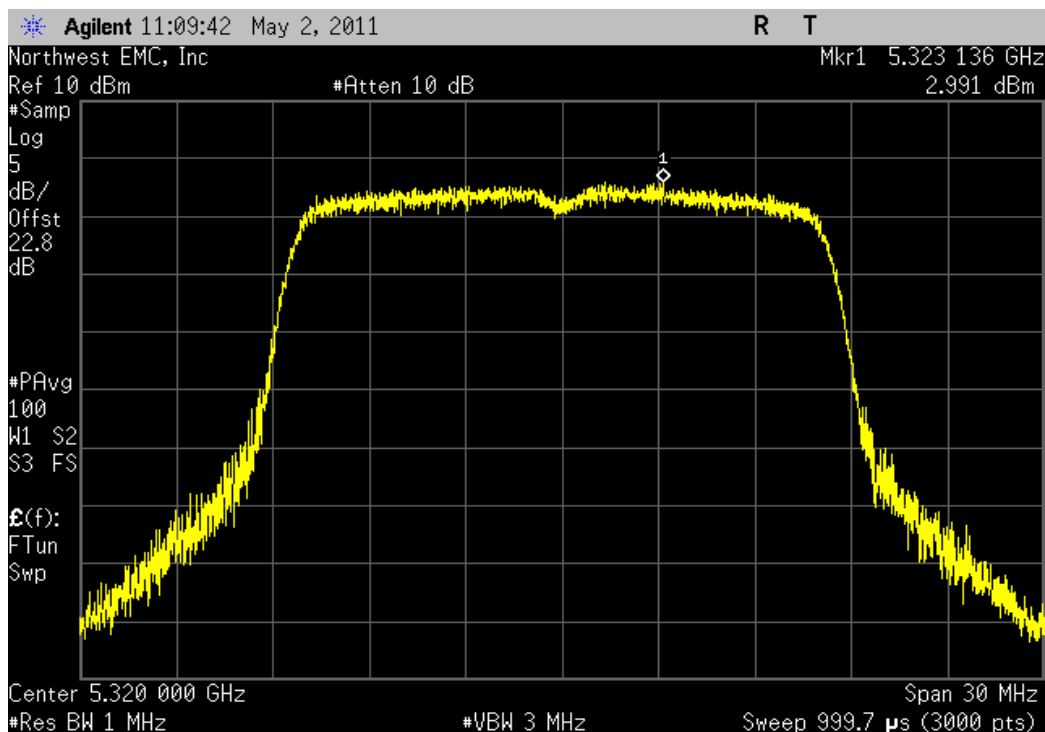
802.11(a) 6 Mbps, 5250 - 5350 MHz Band, Channel 52, Low Channel

Value (dBm / MHz)	Limit (dBm / MHz)	Result
3.143	4	Pass



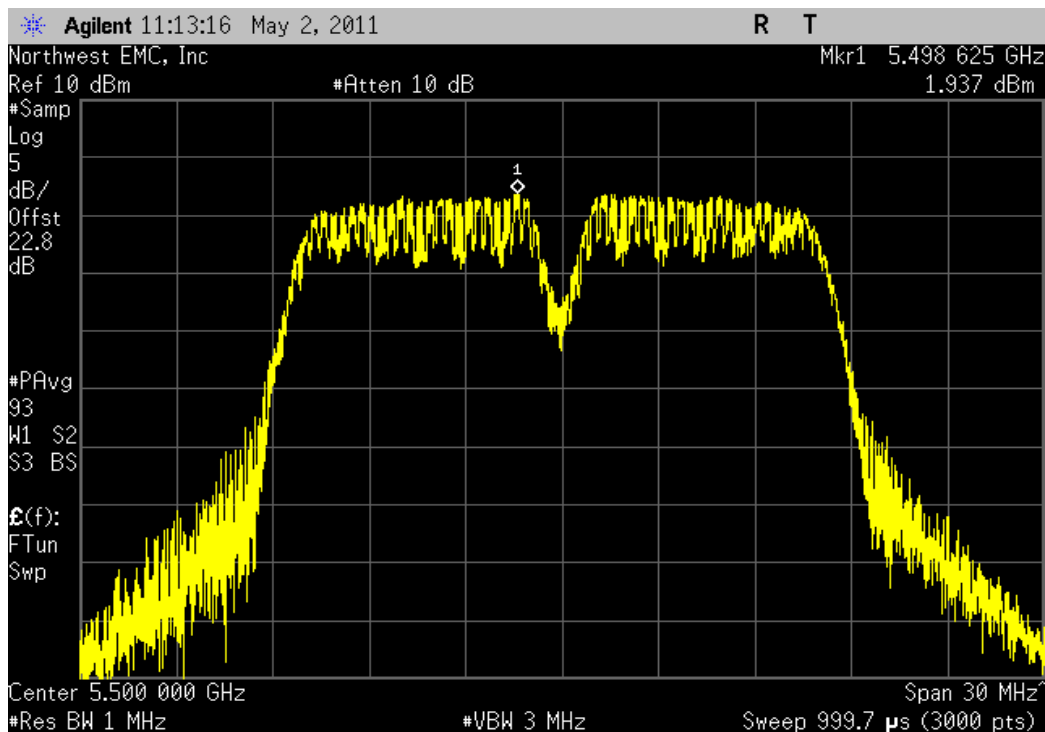
802.11(a) 6 Mbps, 5250 - 5350 MHz Band, Channel 64, High Channel

Value (dBm / MHz)	Limit (dBm / MHz)	Result
2.991	4	Pass



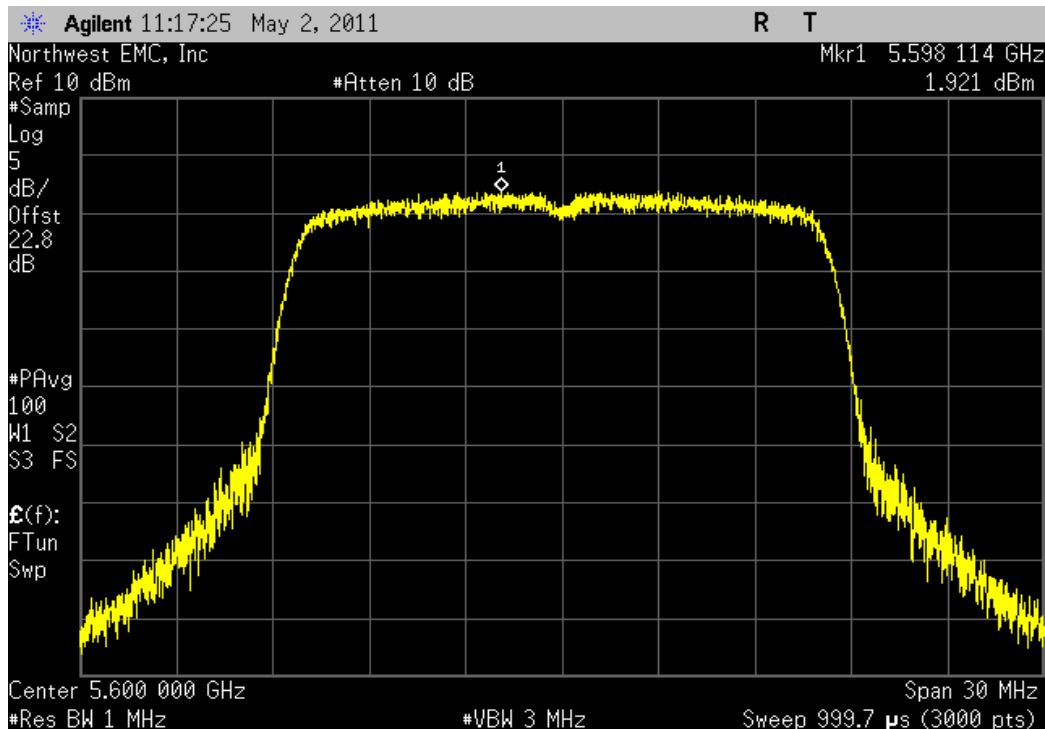
802.11(a) 6 Mbps, 5470 - 5725 MHz Band, Channel 100, Low Channel

				Value	Limit	Result
				(dBm / MHz)	(dBm / MHz)	
				1.937	4	Pass



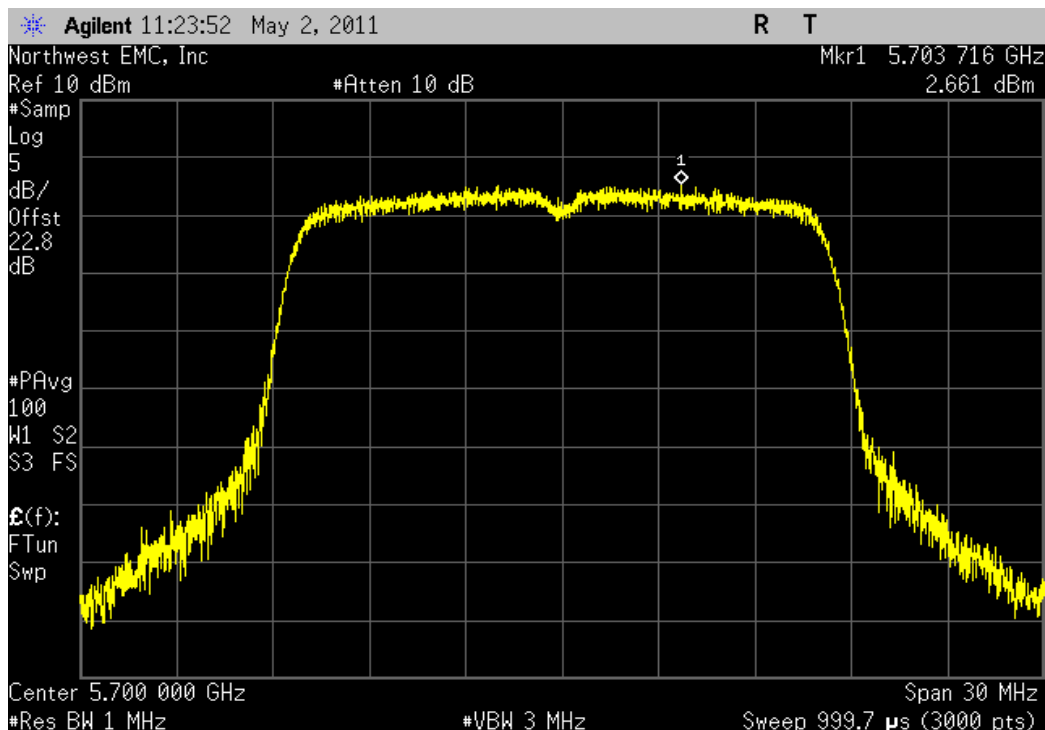
802.11(a) 6 Mbps, 5470 - 5725 MHz Band, Channel 120, Mid Channel

				Value	Limit	Result
				(dBm / MHz)	(dBm / MHz)	
				1.921	4	Pass



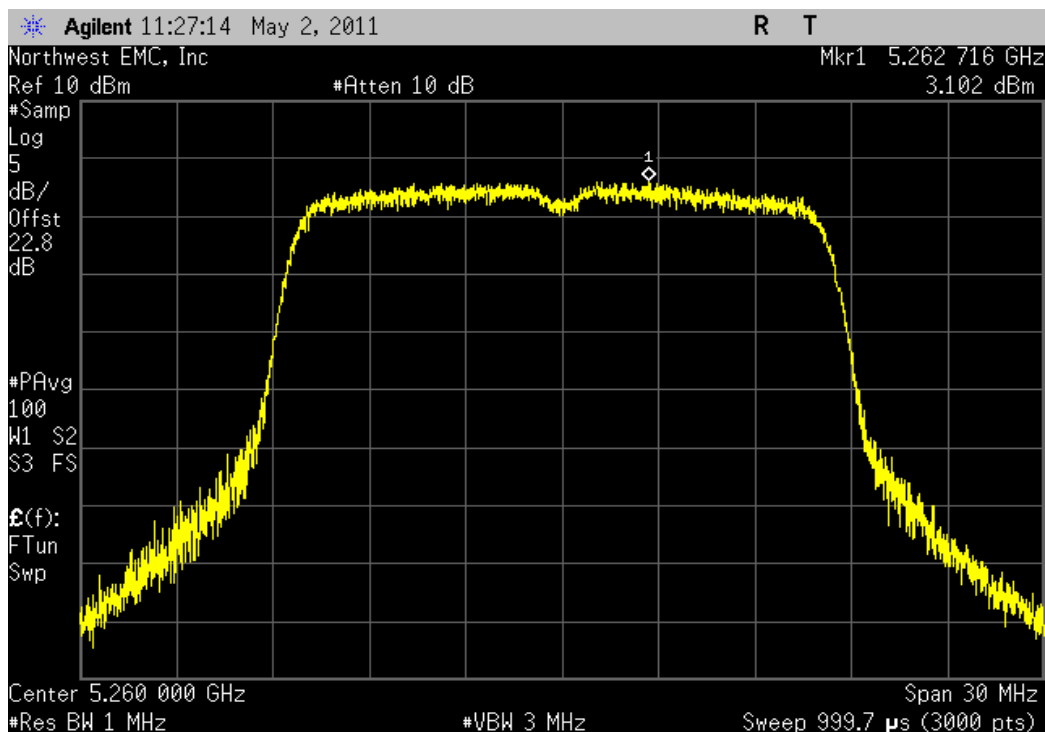
802.11(a) 6 Mbps, 5470 - 5725 MHz Band, Channel 140, High Channel

	Value (dBm / MHz)	Limit (dBm / MHz)	Result
	2.661	4	Pass



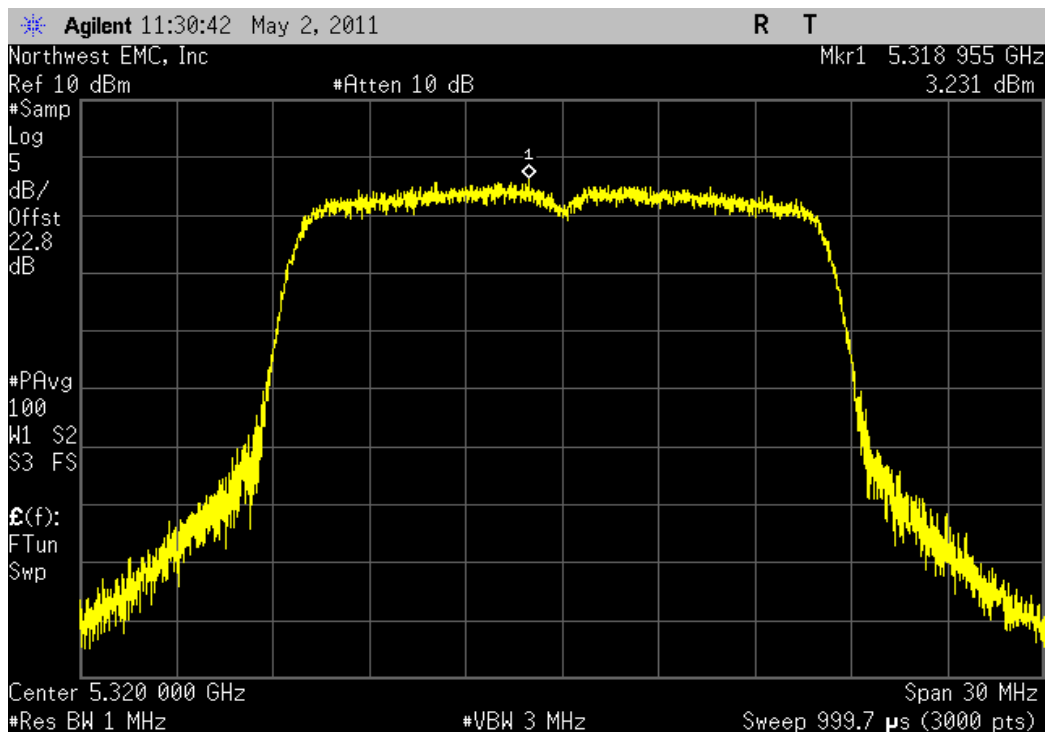
802.11(a) 36 Mbps, 5250 - 5350 MHz Band, Channel 52, Low Channel

	Value (dBm / MHz)	Limit (dBm / MHz)	Result
	3.102	4	Pass



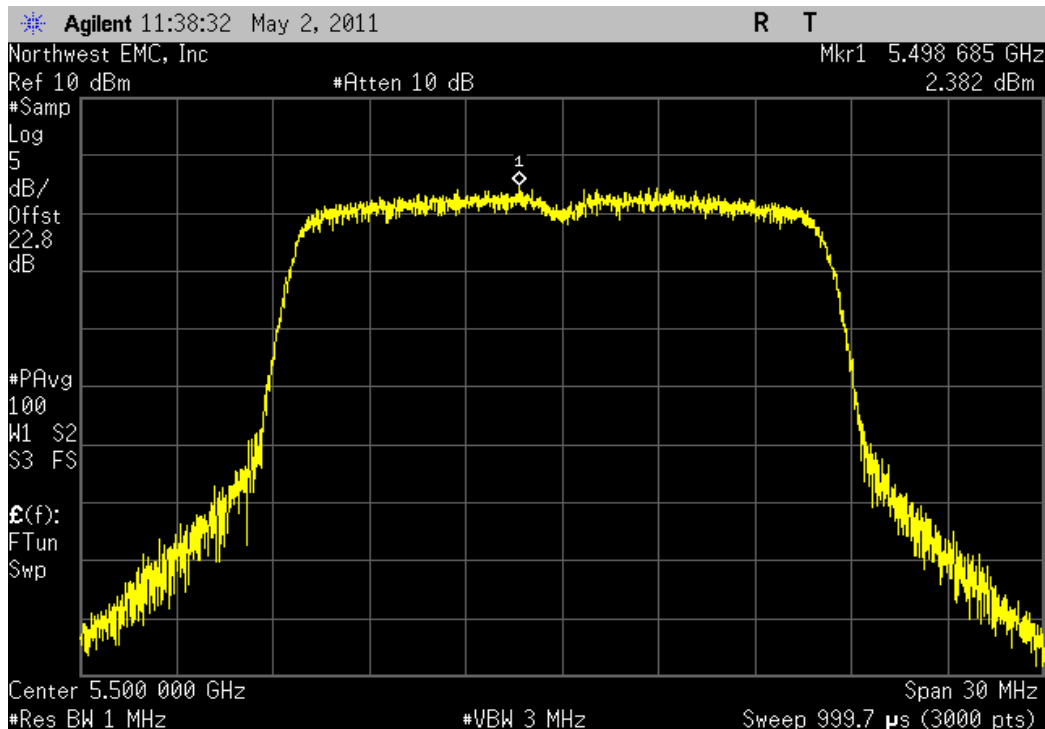
802.11(a) 36 Mbps, 5250 - 5350 MHz Band, Channel 64, High Channel

				Value	Limit	Result
				(dBm / MHz)	(dBm / MHz)	
				3.231	4	Pass



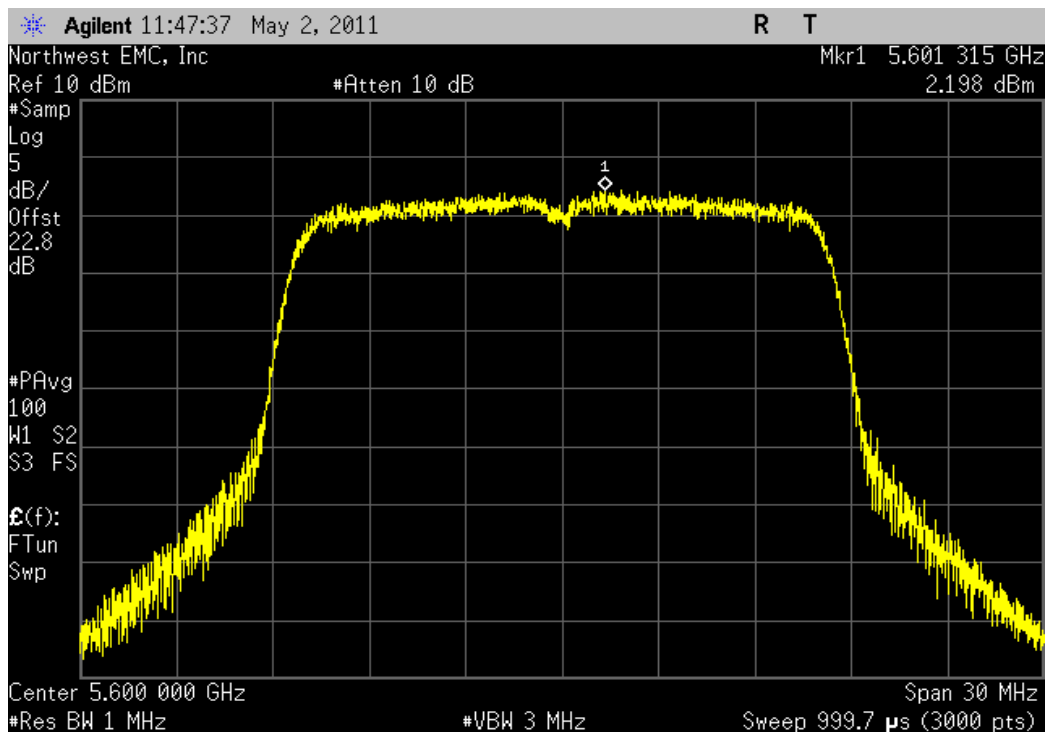
802.11(a) 36 Mbps, 5470 - 5725 MHz Band, Channel 100, Low Channel

				Value	Limit	Result
				(dBm / MHz)	(dBm / MHz)	
				2.382	4	Pass



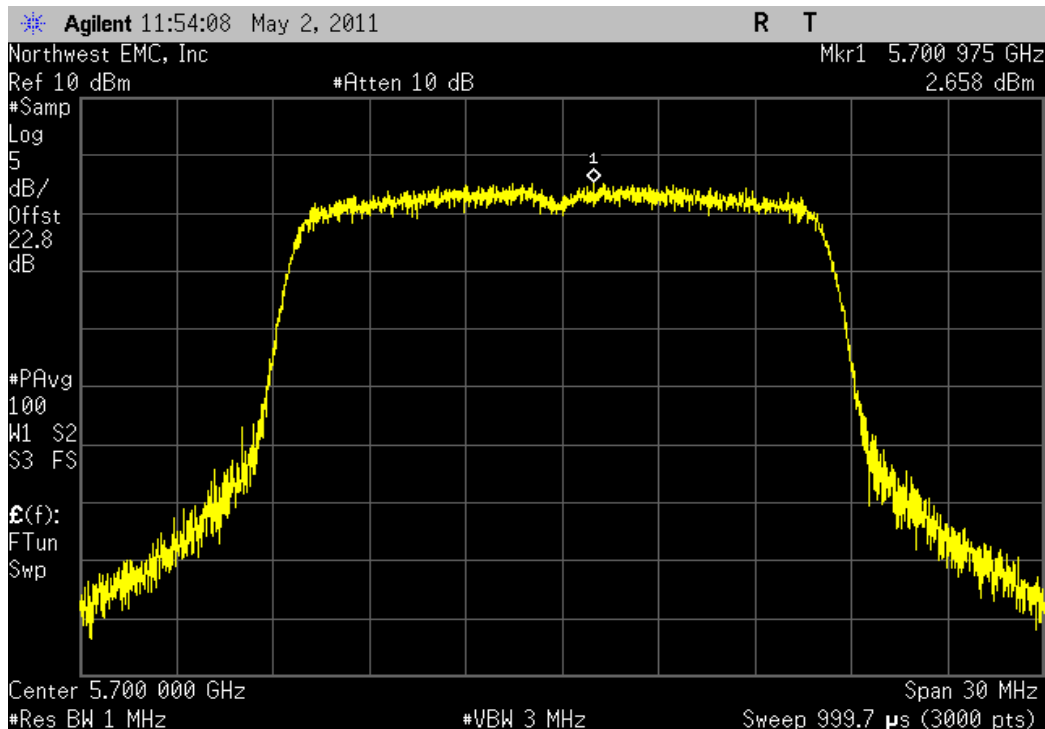
802.11(a) 36 Mbps, 5470 - 5725 MHz Band, Channel 120, Mid Channel

				Value	Limit	Result
				(dBm / MHz)	(dBm / MHz)	
				2.198	4	Pass



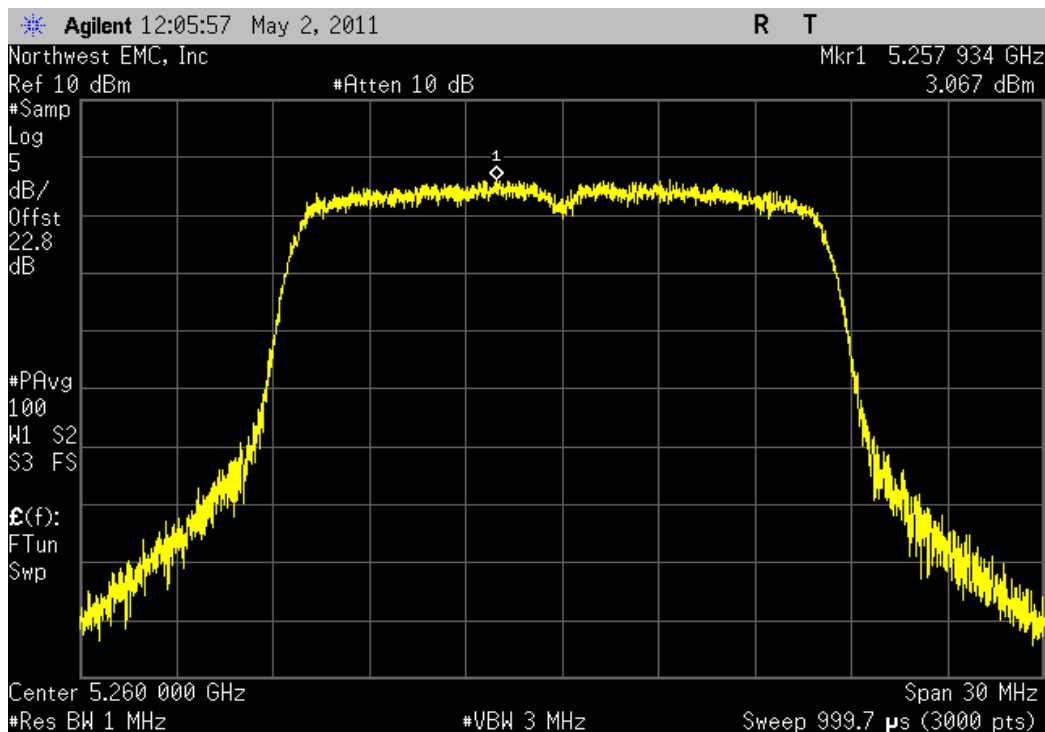
802.11(a) 36 Mbps, 5470 - 5725 MHz Band, Channel 140, High Channel

				Value	Limit	Result
				(dBm / MHz)	(dBm / MHz)	
				2.658	4	Pass



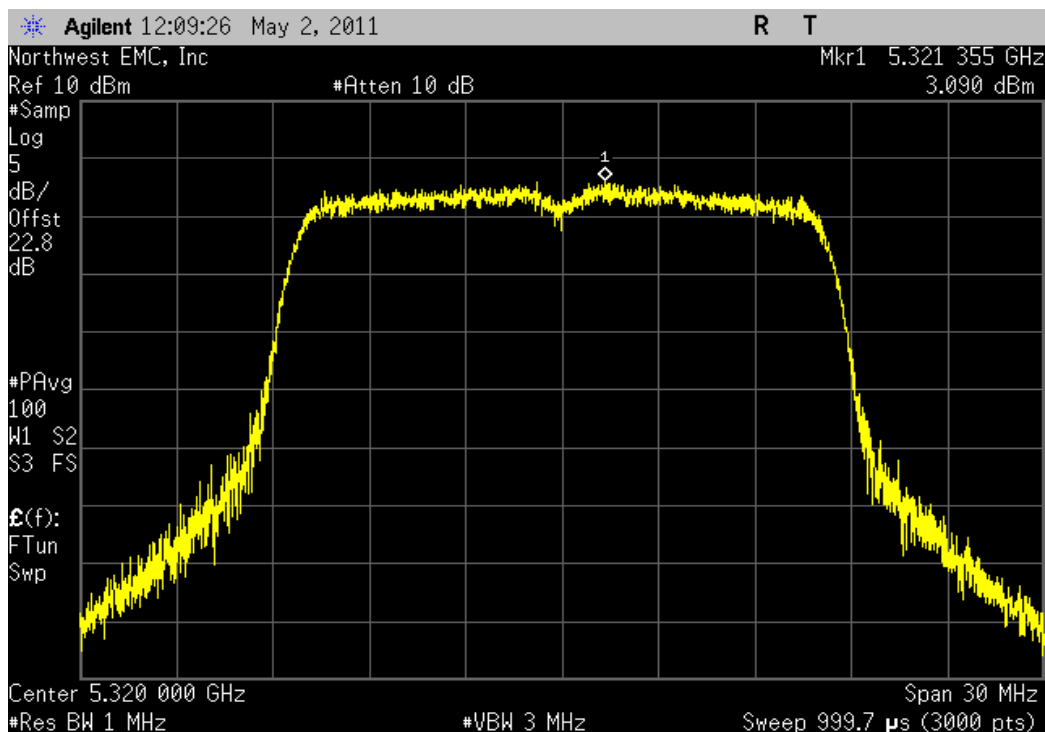
802.11(a) 54 Mbps, 5250 - 5350 MHz Band, Channel 52, Low Channel

Value	Limit	Result
(dBm / MHz)	(dBm / MHz)	
3.067	4	Pass



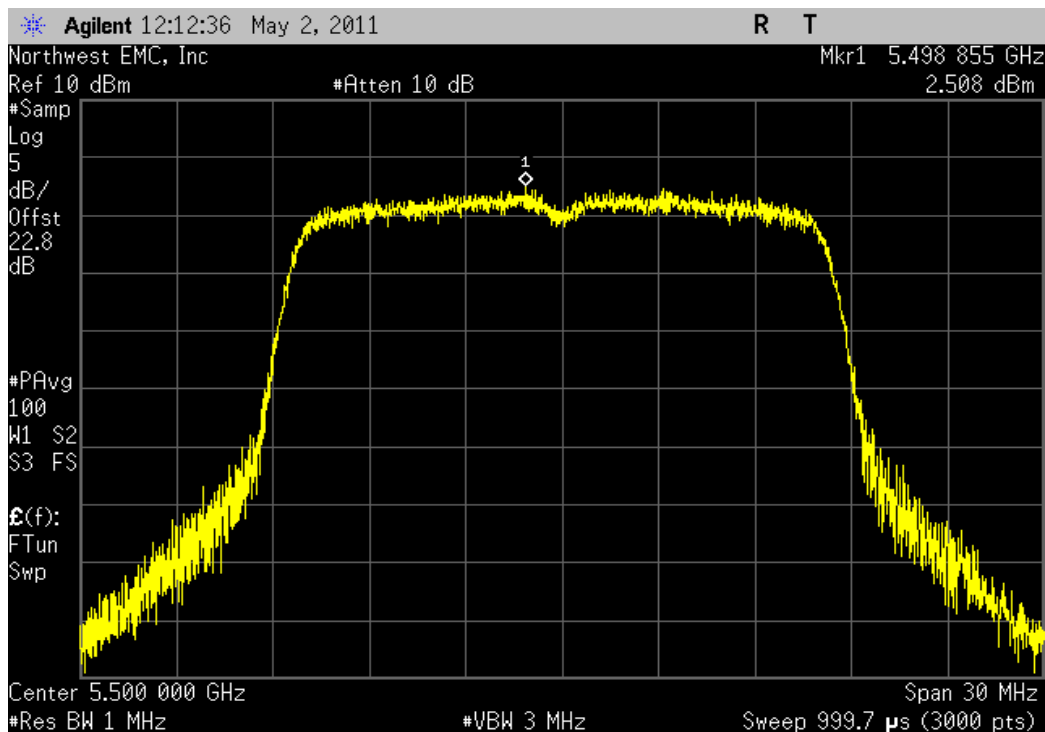
802.11(a) 54 Mbps, 5250 - 5350 MHz Band, Channel 64, High Channel

Value	Limit	Result
(dBm / MHz)	(dBm / MHz)	
3.09	4	Pass



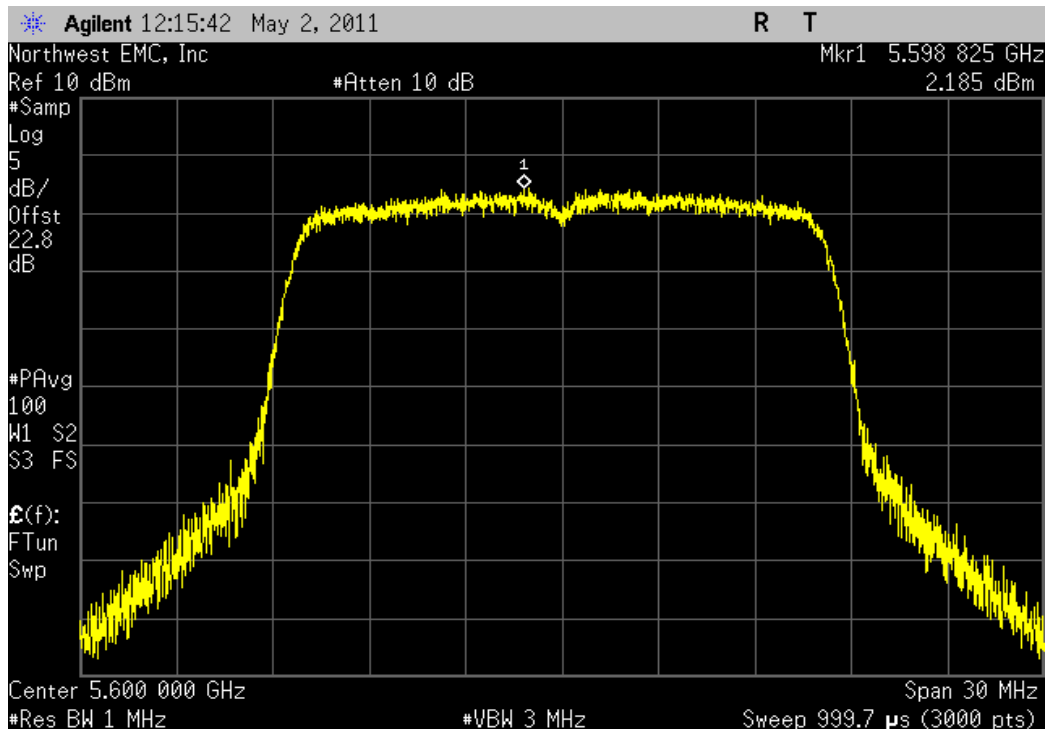
802.11(a) 54 Mbps, 5470 - 5725 MHz Band, Channel 100, Low Channel

Value (dBm / MHz)	Limit (dBm / MHz)	Result
2.508	4	Pass



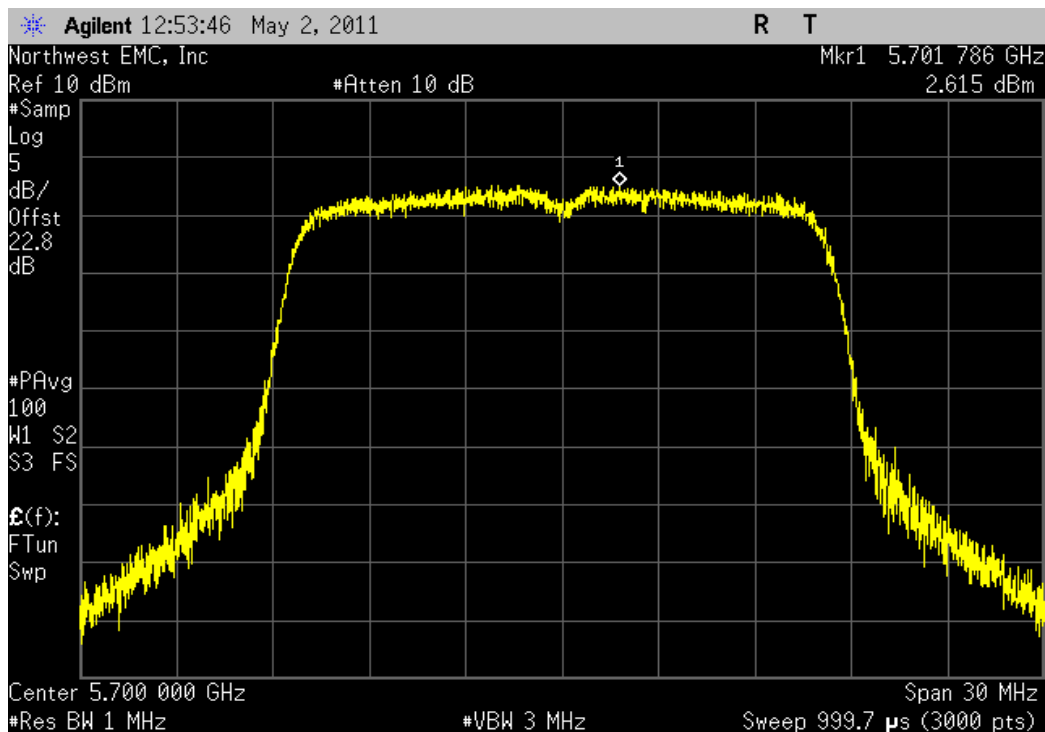
802.11(a) 54 Mbps, 5470 - 5725 MHz Band, Channel 120, Mid Channel

Value (dBm / MHz)	Limit (dBm / MHz)	Result
2.185	4	Pass



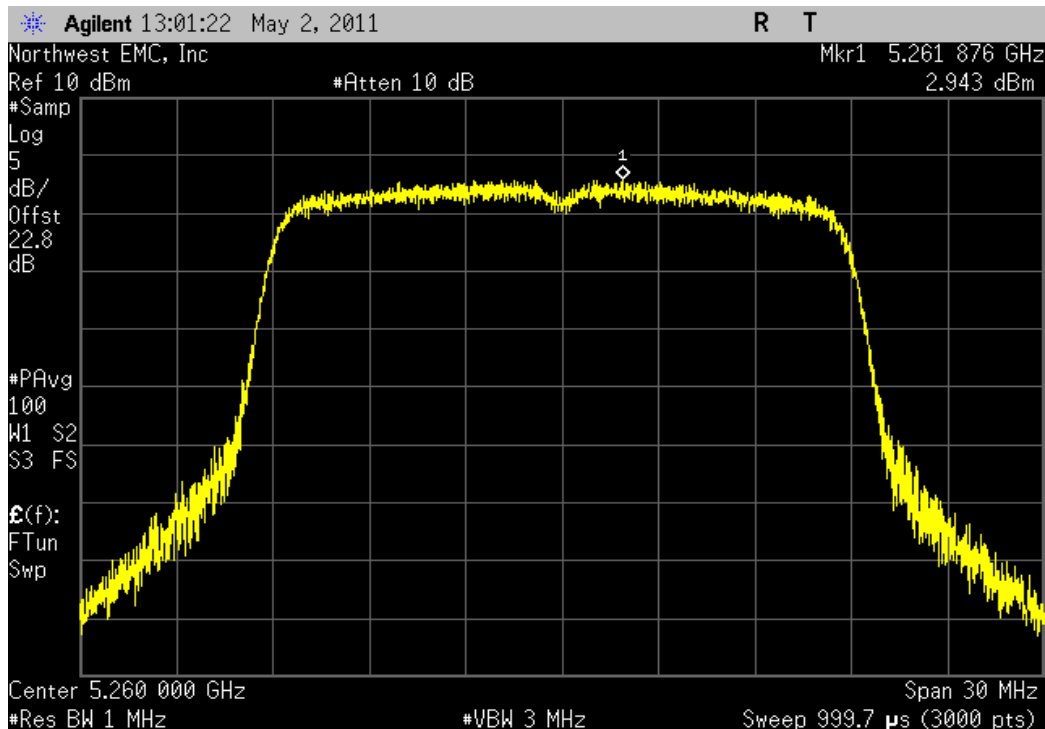
802.11(a) 54 Mbps, 5470 - 5725 MHz Band, Channel 140, High Channel

				Value	Limit	Result
				(dBm / MHz)	(dBm / MHz)	
				2.615	4	Pass



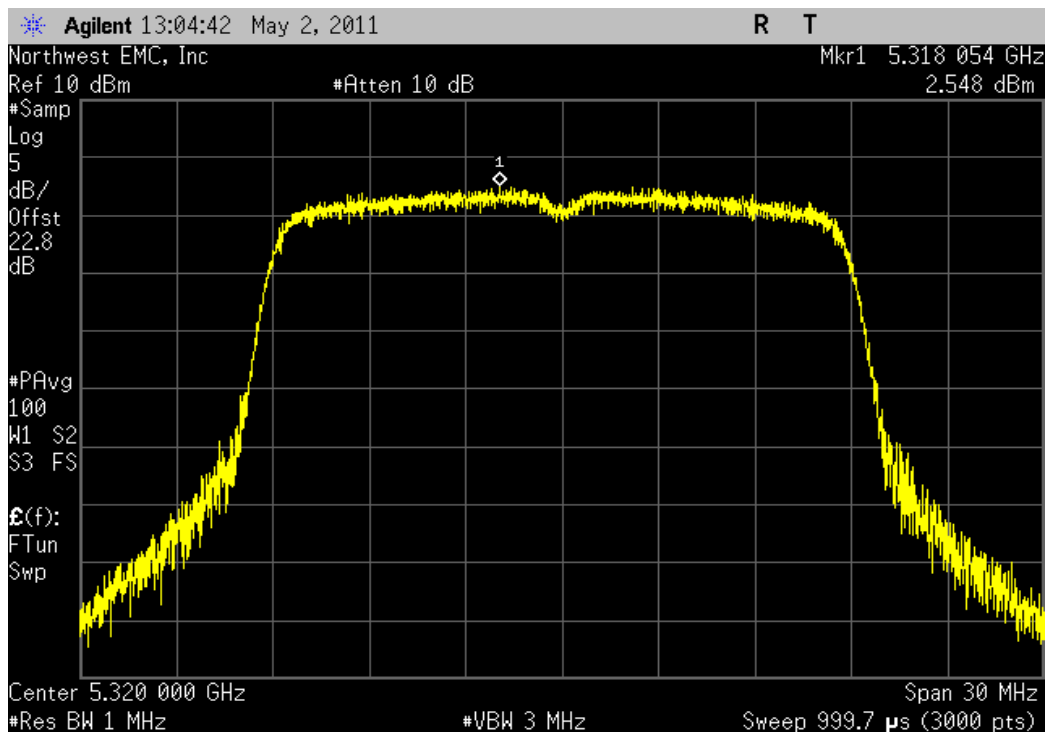
802.11(n) MCS0, 5250 - 5350 MHz Band, Channel 52, Low Channel

				Value	Limit	Result
				(dBm / MHz)	(dBm / MHz)	
				2.943	4	Pass



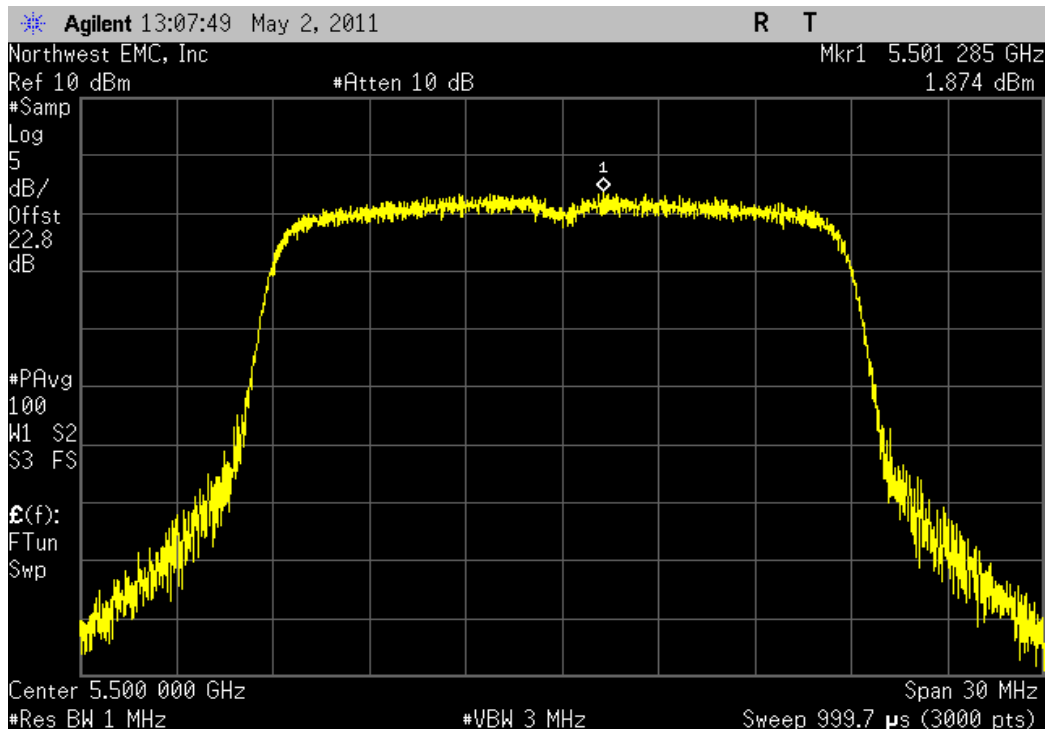
802.11(n) MCS0, 5250 - 5350 MHz Band, Channel 64, High Channel

				Value	Limit	Result
				(dBm / MHz)	(dBm / MHz)	
				2.548	4	Pass



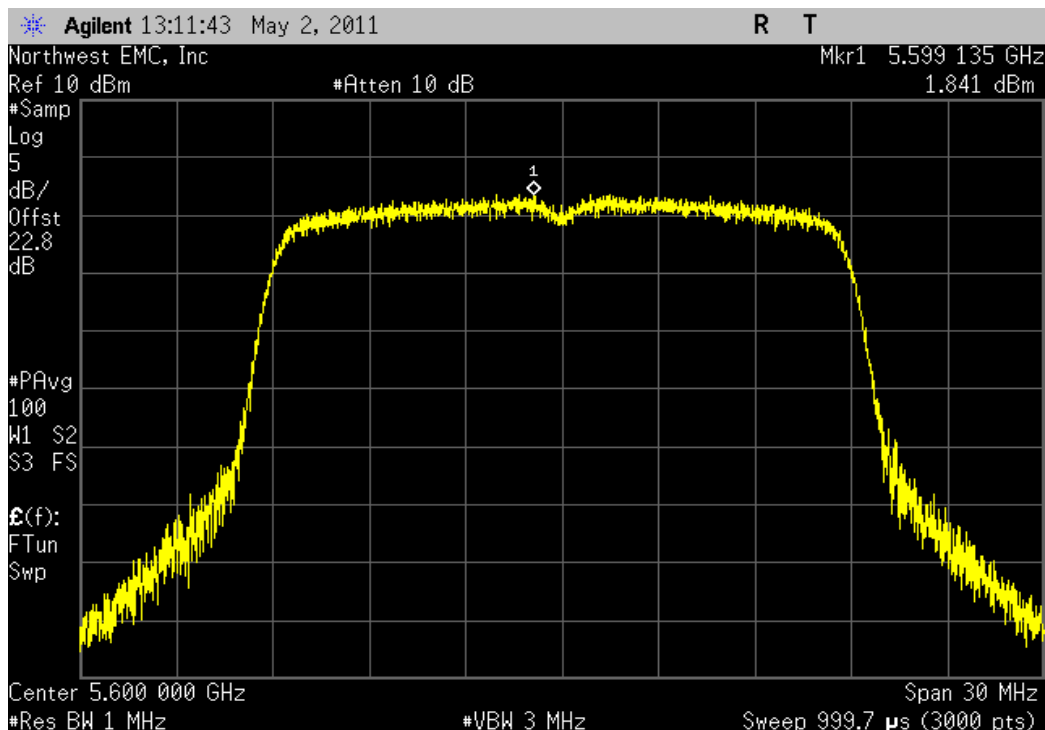
802.11(n) MCS0, 5470 - 5725 MHz Band, Channel 100, Low Channel

				Value	Limit	Result
				(dBm / MHz)	(dBm / MHz)	
				1.874	4	Pass



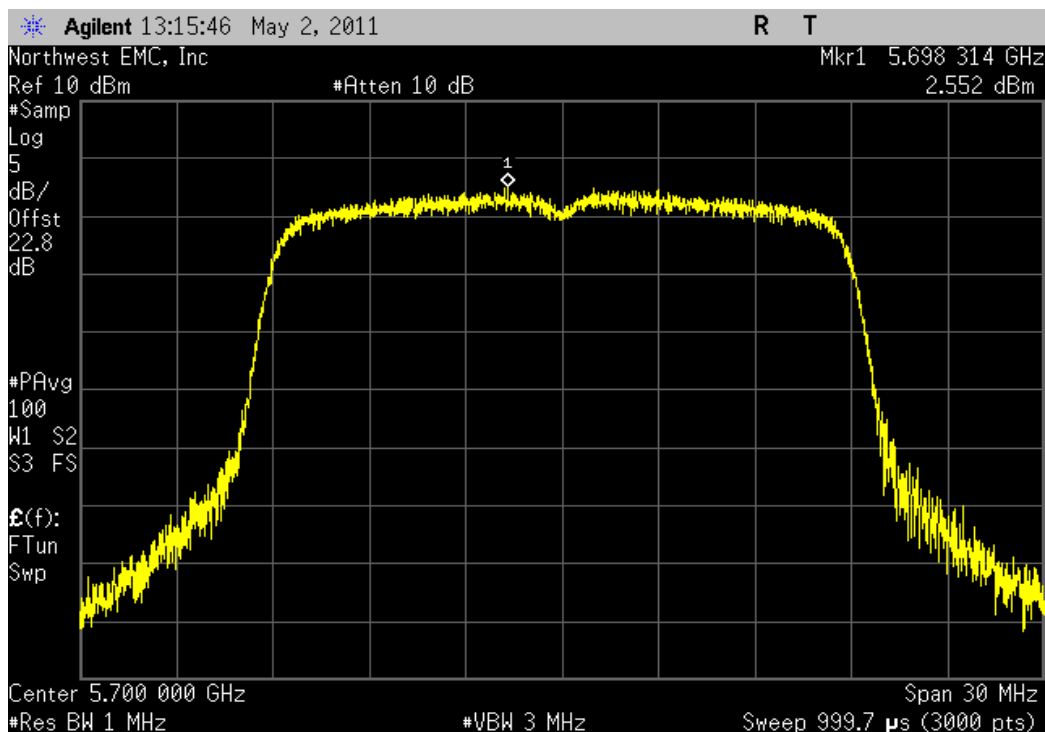
802.11(n) MCS0, 5470 - 5725 MHz Band, Channel 120, Mid Channel

Value (dBm / MHz)	Limit (dBm / MHz)	Result
1.841	4	Pass



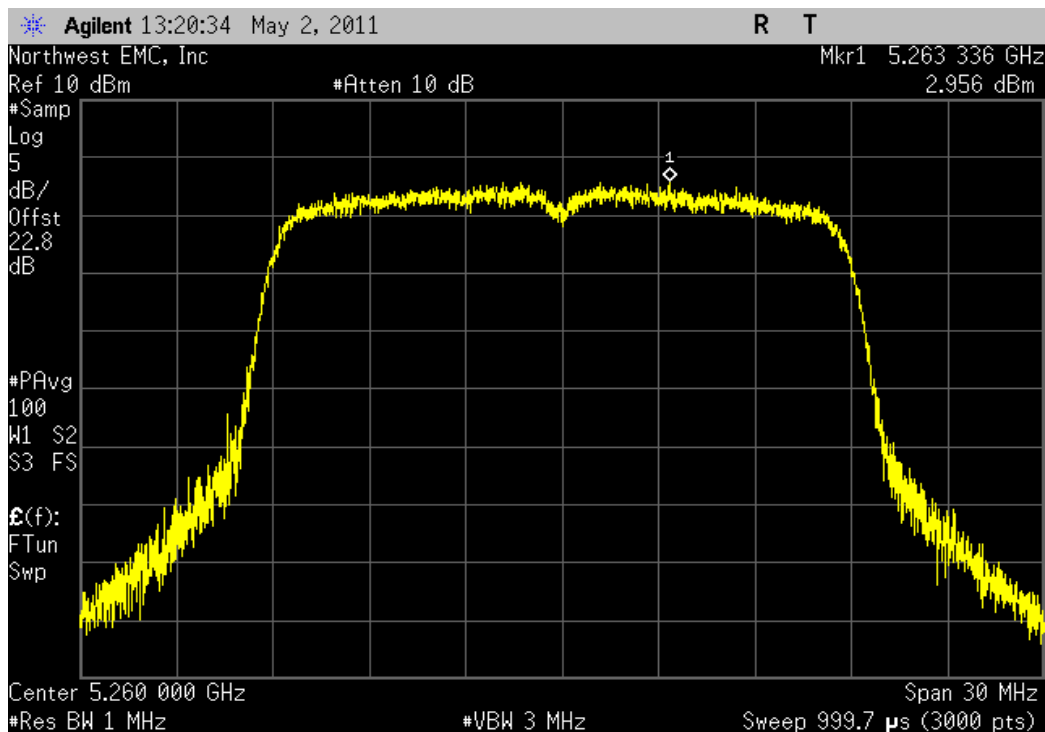
802.11(n) MCS0, 5470 - 5725 MHz Band, Channel 140, High Channel

Value (dBm / MHz)	Limit (dBm / MHz)	Result
2.552	4	Pass



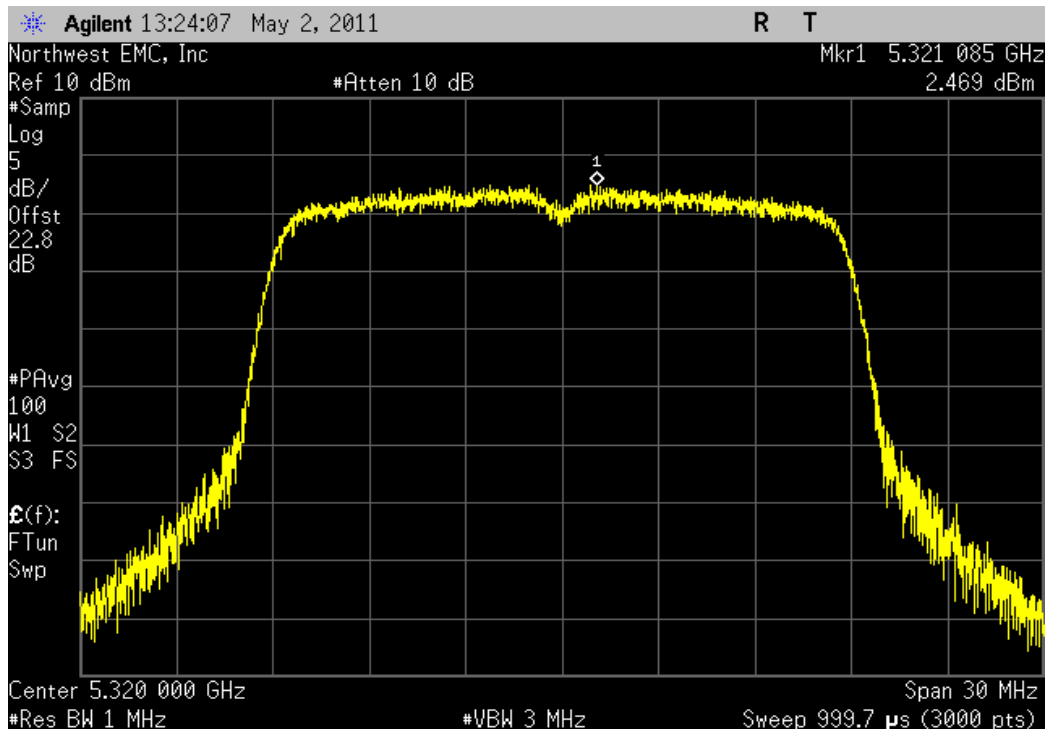
802.11(n) MCS7, 5250 - 5350 MHz Band, Channel 52, Low Channel

				Value	Limit	Result
				(dBm / MHz)	(dBm / MHz)	
				2.956	4	Pass



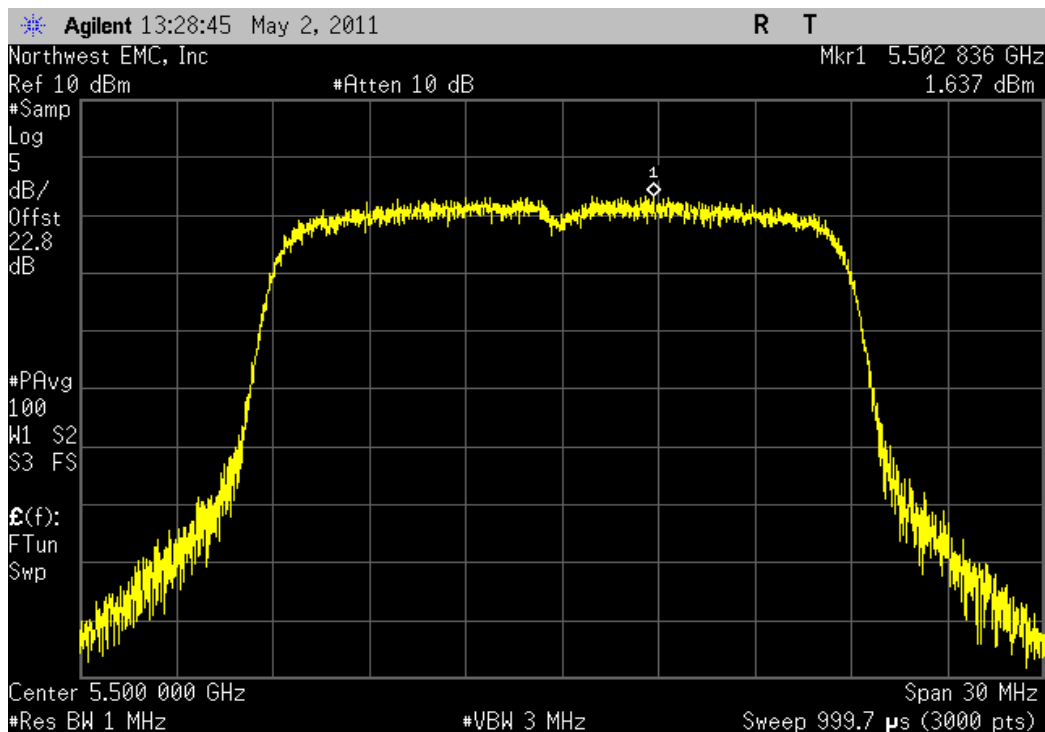
802.11(n) MCS7, 5250 - 5350 MHz Band, Channel 64, High Channel

				Value	Limit	Result
				(dBm / MHz)	(dBm / MHz)	
				2.469	4	Pass



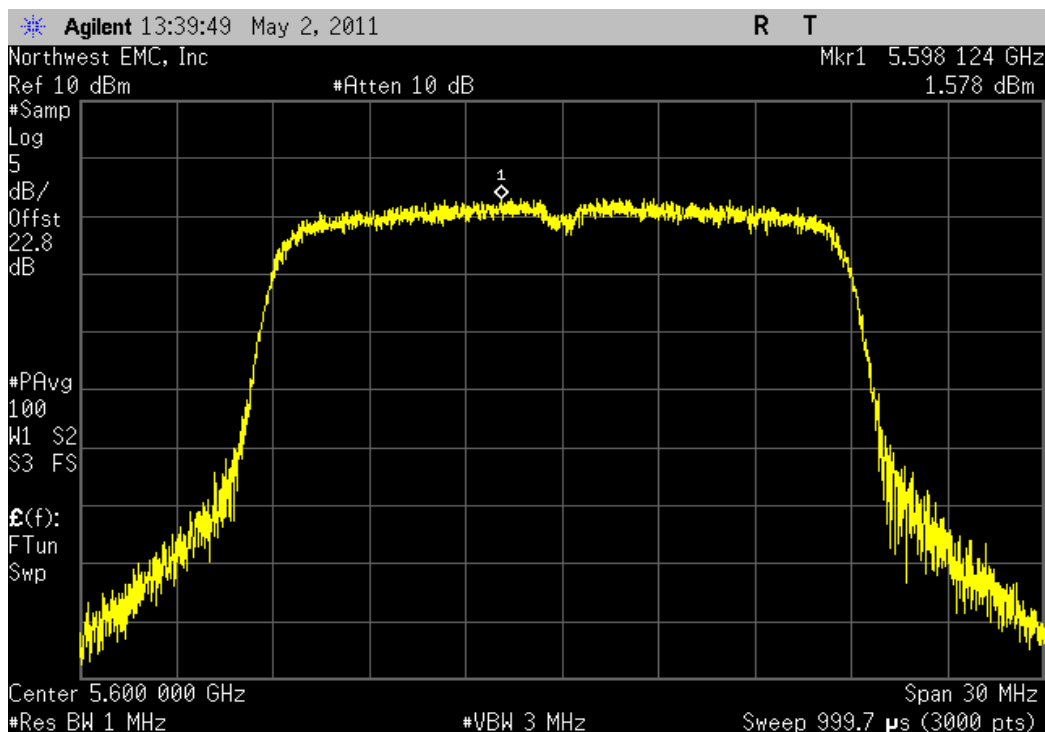
802.11(n) MCS7, 5470 - 5725 MHz Band, Channel 100, Low Channel

Value (dBm / MHz)	Limit (dBm / MHz)	Result
1.637	4	Pass



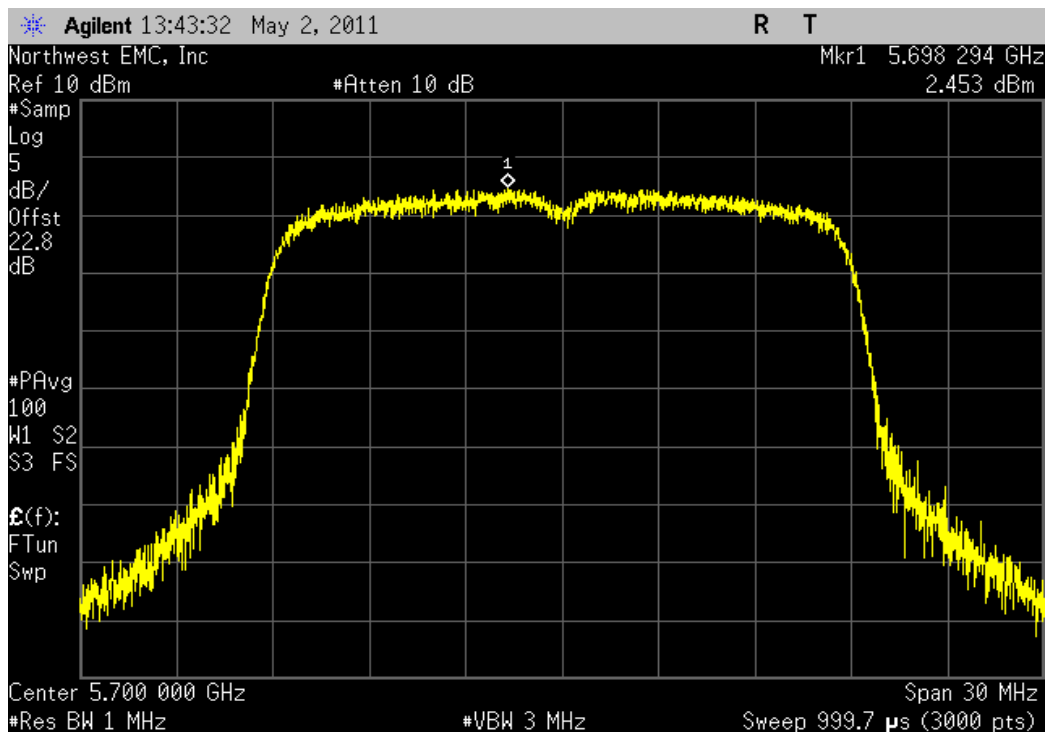
802.11(n) MCS7, 5470 - 5725 MHz Band, Channel 120, Mid Channel

Value (dBm / MHz)	Limit (dBm / MHz)	Result
1.578	4	Pass



802.11(n) MCS7, 5470 - 5725 MHz Band, Channel 140, High Channel

Value (dBm / MHz)	Limit (dBm / MHz)	Result
2.453	4	Pass



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
Power Sensor	Agilent	E4412A	SQE	4/21/2010	24
Power Meter	Hewlett Packard	E4418A	SPA	4/21/2010	24
Signal Generator	Agilent	E8257D	TGU	1/26/2011	12
Attenuator, 20db 'SMA'	Weinschel Corp	4H-20	AWA	3/19/2010	15
Spectrum Analyzer	Agilent	E4440A	AFA	2/9/2010	15

MEASUREMENT UNCERTAINTY

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 for radiated emissions measurements is less than +/- 4 dB, and for conducted emissions measurements is less than +/- 2.7 dB. Our measurement data meets or exceeds the measurement uncertainty requirements of CISPR 16-4; therefore, the test data can be compared directly to the specification limit to determine compliance. The calculations for measurement uncertainty are available upon request.

TEST DESCRIPTION

FCC Public Notice DA 02-2138 was followed. The transmit frequency was set to the required channels in each band. The transmit power was set to its default maximum. The lowest, a medium, and the highest data rates were measured. 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.

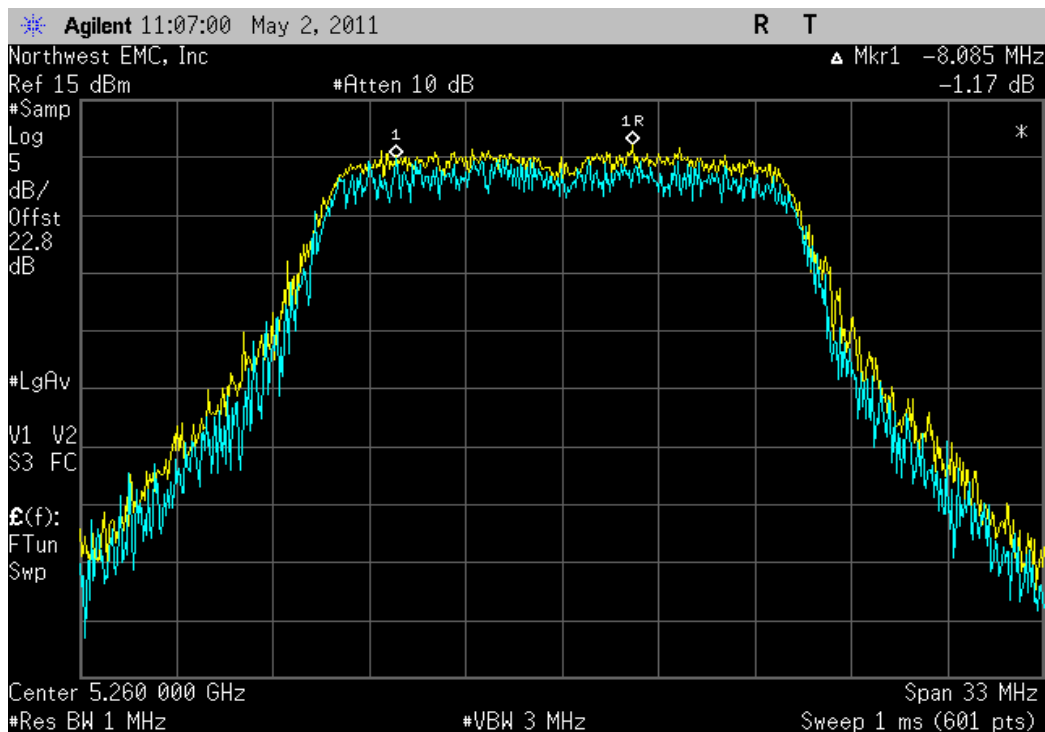
The spectrum analyzer settings were as follows:

- Span set to encompass the entire emission bandwidth (B), centered on the transmit channel.
- Using the marker delta function, the largest difference between the following two traces was measured:
 - o 1st Trace: RBW = 1 MHz, VBW >= 3 MHz with peak detector and max-hold settings.
 - o 2nd Trace: Use same settings as were used for peak conducted transmit power. The sample detector was used as well as the VBW being matched to that used on the peak conducted transmit power.

NORTHWEST		Peak Excursion of the Modulation Envelope		XMIT 2011.04.20	
EMC				PsaTx 2011.04.21	
EUT: RLXIB-IHN		Work Order: PROS0095			
Serial Number: 00-0D-8D-F0-3C-75		Date: 05/02/11			
Customer: ProSoft Technology, Inc.		Temperature: 22.54°C			
Attendees: None		Humidity: 21%			
Project: None		Barometric Pres.: 1014.2			
Tested by: Jaemi Suh		Power: 120VAC/60Hz		Job Site: OC13	
TEST SPECIFICATIONS		TEST METHOD			
FCC 15.407:2011		ANSI C63.10:2009			
COMMENTS					
Antenna Port A. Antenna Power Level Set to 14.					
DEVIATIONS FROM TEST STANDARD					
No Deviations					
Configuration #	1	Signature 			
			Value	Limit	Result
802.11(a) 6 Mbps					
5250 - 5350 MHz Band					
	Channel 52, Low Channel		1.165 dBm	≤ 13 dB	Pass
	Channel 64, High Channel		2.37 dBm	≤ 13 dB	Pass
5470 - 5725 MHz Band					
	Channel 100, Low Channel		0.788 dBm	≤ 13 dB	Pass
	Channel 120, Mid Channel		0.312 dBm	≤ 13 dB	Pass
	Channel 140, High Channel		0.182 dBm	≤ 13 dB	Pass
802.11(a) 36 Mbps					
5250 - 5350 MHz Band					
	Channel 52, Low Channel		0.809 dBm	≤ 13 dB	Pass
	Channel 64, High Channel		0.194 dBm	≤ 13 dB	Pass
5470 - 5725 MHz Band					
	Channel 100, Low Channel		0.189 dBm	≤ 13 dB	Pass
	Channel 120 Mid Channel		0.016 dBm	≤ 13 dB	Pass
	Channel 140, High Channel		0.235 dBm	≤ 13 dB	Pass
802.11(a) 54 Mbps					
5250 - 5350 MHz Band					
	Channel 52, Low Channel		1.184 dBm	≤ 13 dB	Pass
	Channel 64, High Channel		0.219 dBm	≤ 13 dB	Pass
5470 - 5725 MHz Band					
	Channel 100, Low Channel		1.135 dBm	≤ 13 dB	Pass
	Channel 120, Mid Channel		0.054 dBm	≤ 13 dB	Pass
	Channel 140, High Channel		1.439 dBm	≤ 13 dB	Pass
802.11(n) MCS0					
5250 - 5350 MHz Band					
	Channel 52, Low Channel		0.467 dBm	≤ 13 dB	Pass
	Channel 64, High Channel		0.278 dBm	≤ 13 dB	Pass
5470 - 5725 MHz Band					
	Channel 100, Low Channel		0.951 dBm	≤ 13 dB	Pass
	Channel 120, Mid Channel		0.445 dBm	≤ 13 dB	Pass
	Channel 140, High Channel		0.545 dBm	≤ 13 dB	Pass
802.11(n) MCS7					
5250 - 5350 MHz Band					
	Channel 52, Low Channel		0.595 dBm	≤ 13 dB	Pass
	Channel 64, High Channel		1.321 dBm	≤ 13 dB	Pass
5470 - 5725 MHz Band					
	Channel 100, Low Channel		1.358 dBm	≤ 13 dB	Pass
	Channel 120 Mid Channel		1.747 dBm	≤ 13 dB	Pass
	Channel 140, High Channel		0.705 dBm	≤ 13 dB	Pass

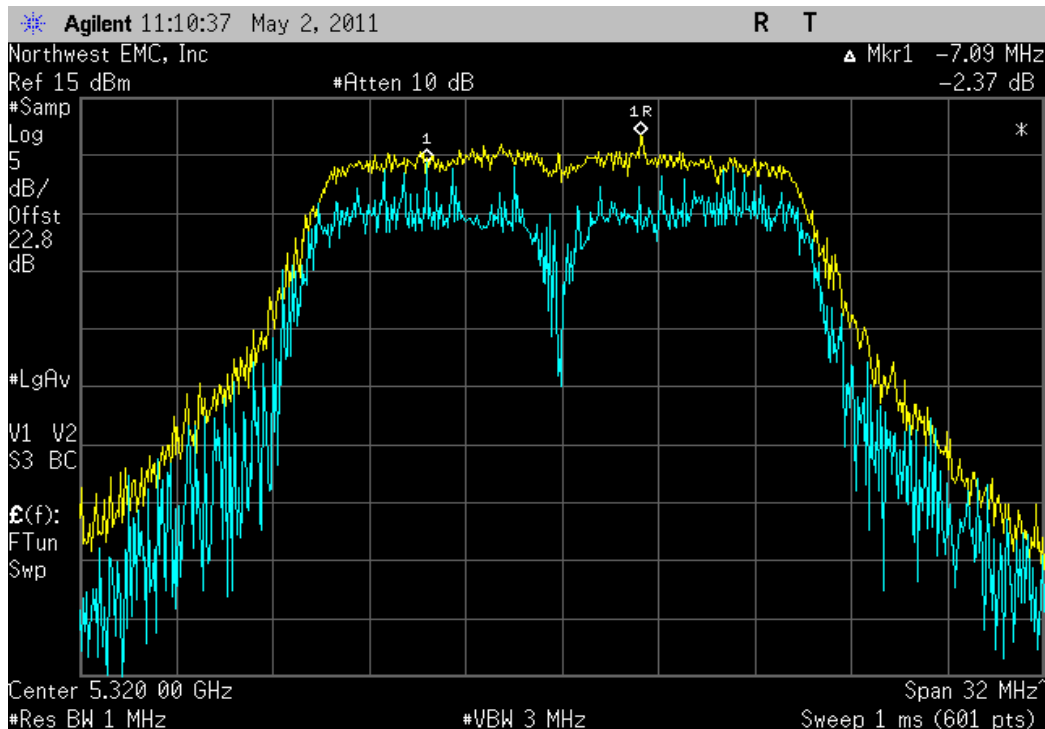
802.11(a) 6 Mbps, 5250 - 5350 MHz Band, Channel 52, Low Channel

				Value	Limit	Result
				1.165 dBm	≤ 13 dB	Pass



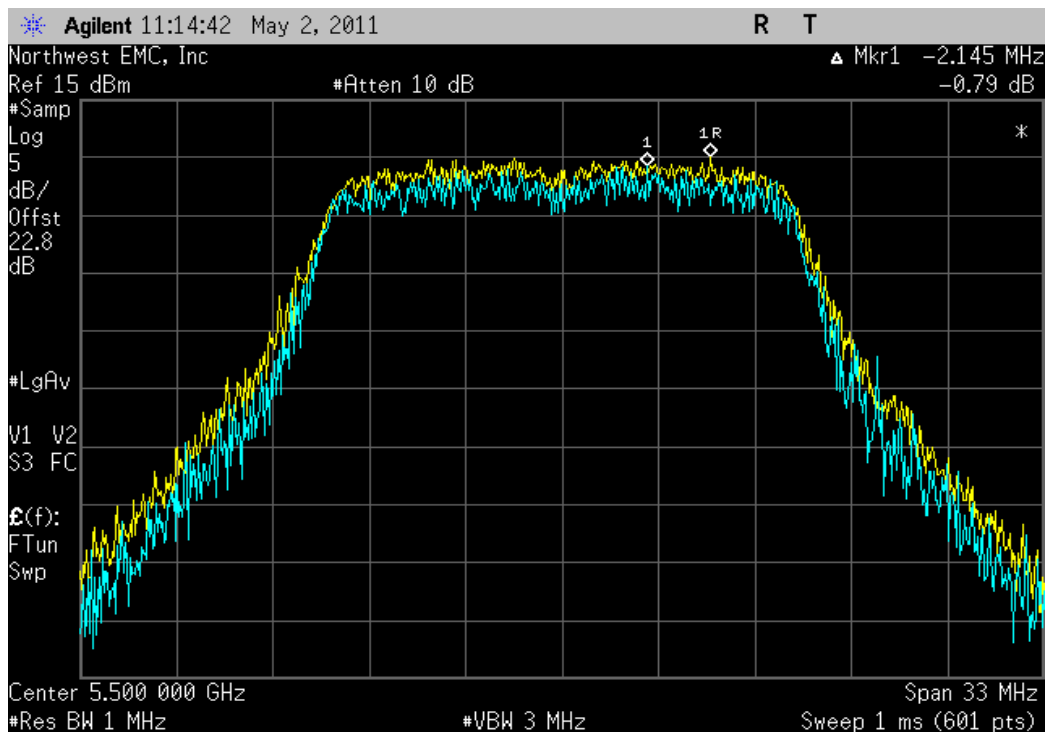
802.11(a) 6 Mbps, 5250 - 5350 MHz Band, Channel 64, High Channel

				Value	Limit	Result
				2.37 dBm	≤ 13 dB	Pass



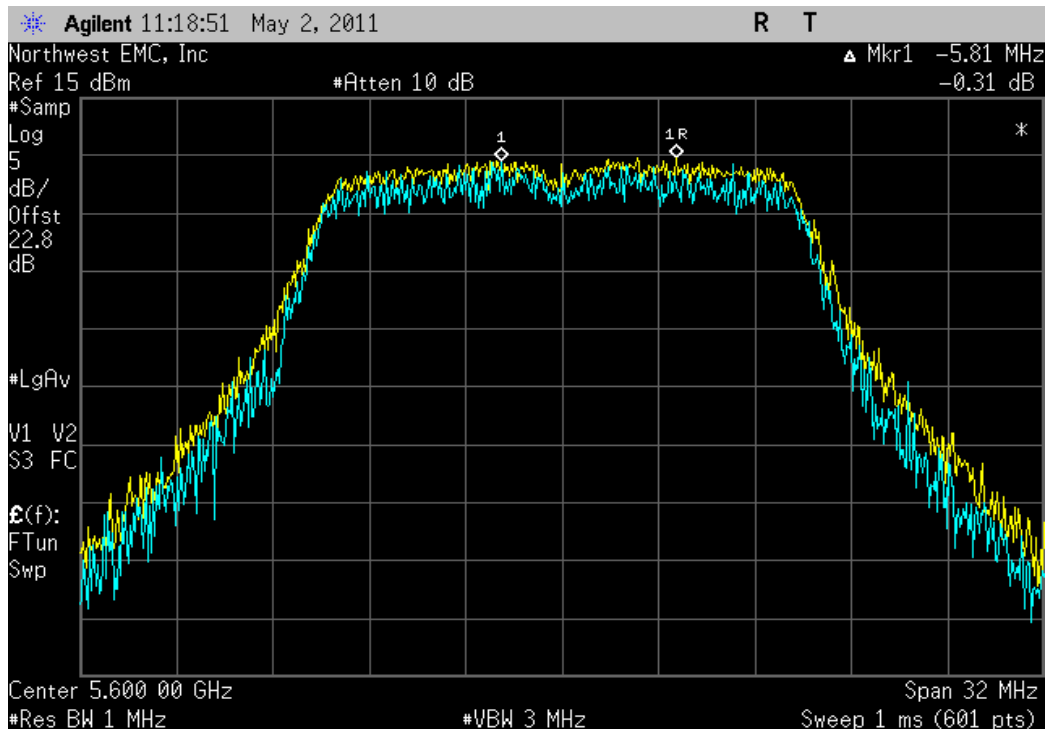
802.11(a) 6 Mbps, 5470 - 5725 MHz Band, Channel 100, Low Channel

				Value	Limit	Result
				0.788 dBm	≤ 13 dB	Pass



802.11(a) 6 Mbps, 5470 - 5725 MHz Band, Channel 120, Mid Channel

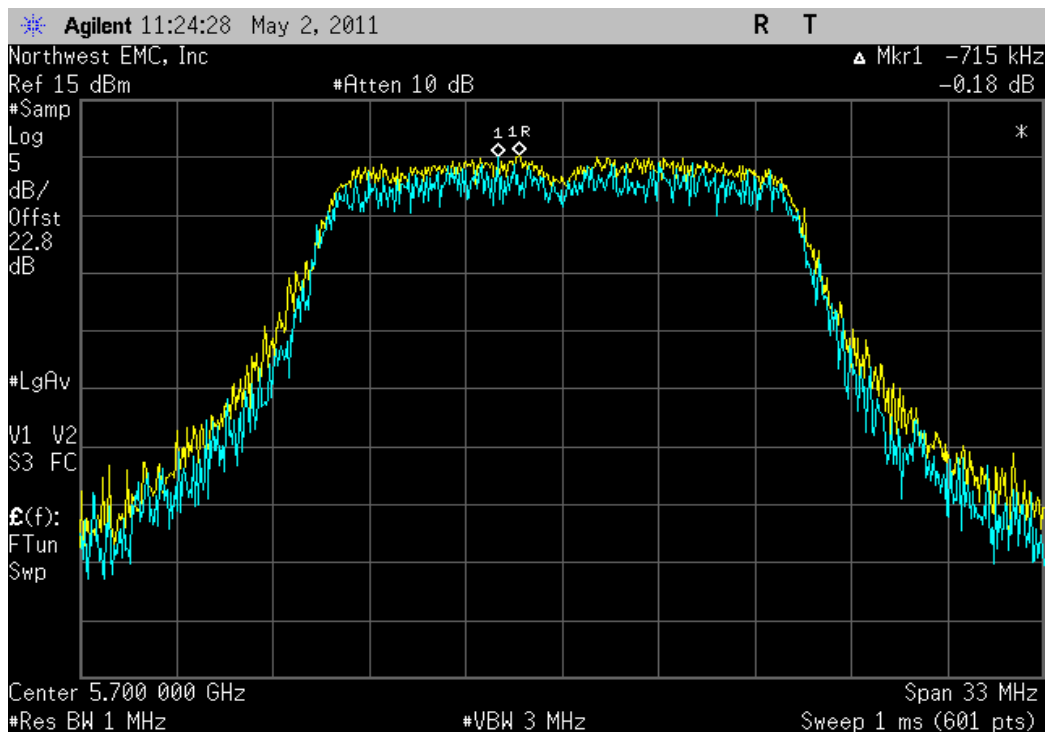
				Value	Limit	Result
				0.312 dBm	≤ 13 dB	Pass



Peak Excursion of the Modulation Envelope

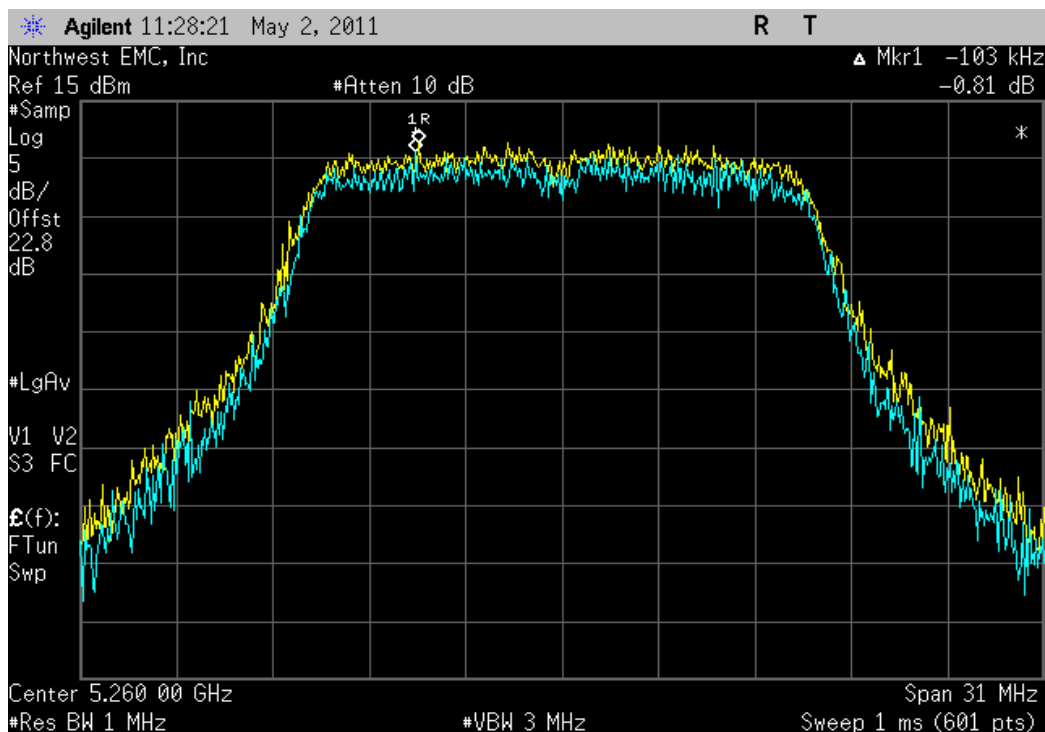
802.11(a) 6 Mbps, 5470 - 5725 MHz Band, Channel 140, High Channel

				Value	Limit	Result
				0.182 dBm	≤ 13 dB	Pass



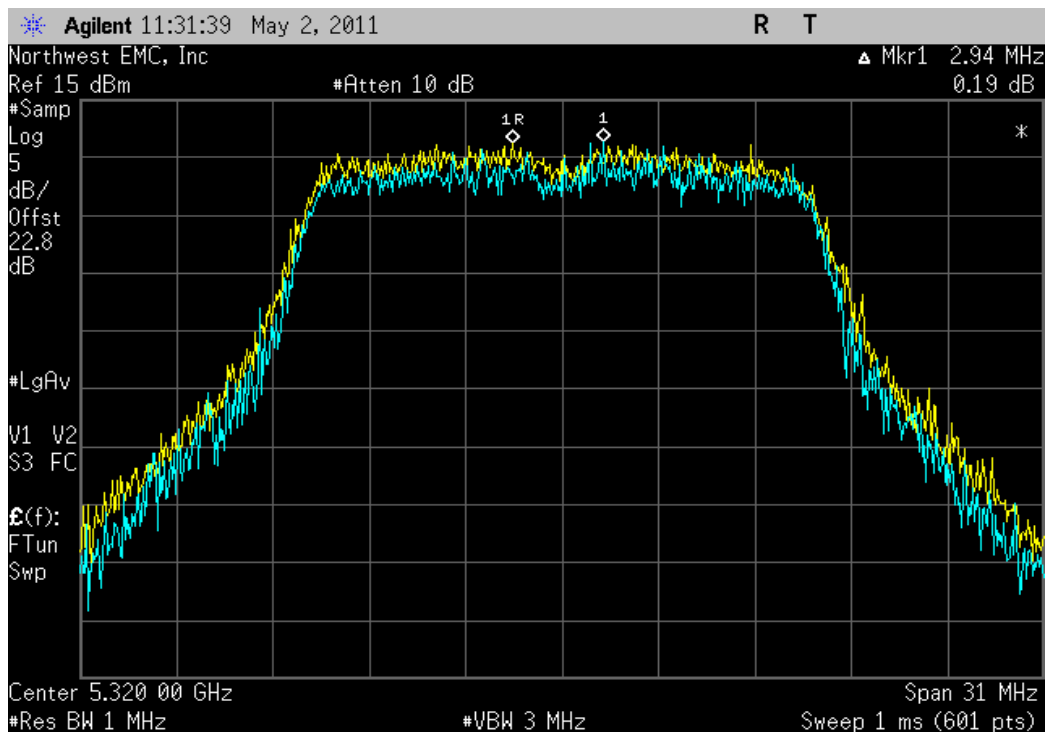
802.11(a) 36 Mbps, 5250 - 5350 MHz Band, Channel 52, Low Channel

				Value	Limit	Result
				0.809 dBm	≤ 13 dB	Pass



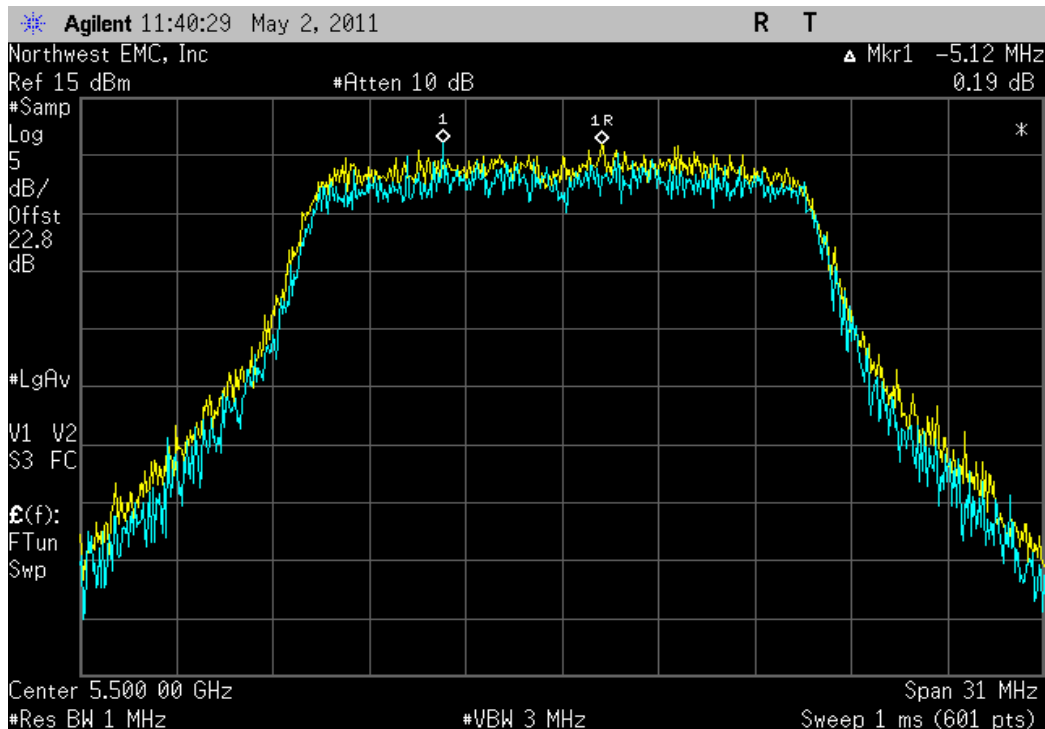
802.11(a) 36 Mbps, 5250 - 5350 MHz Band, Channel 64, High Channel

				Value	Limit	Result
				0.194 dBm	≤ 13 dB	Pass



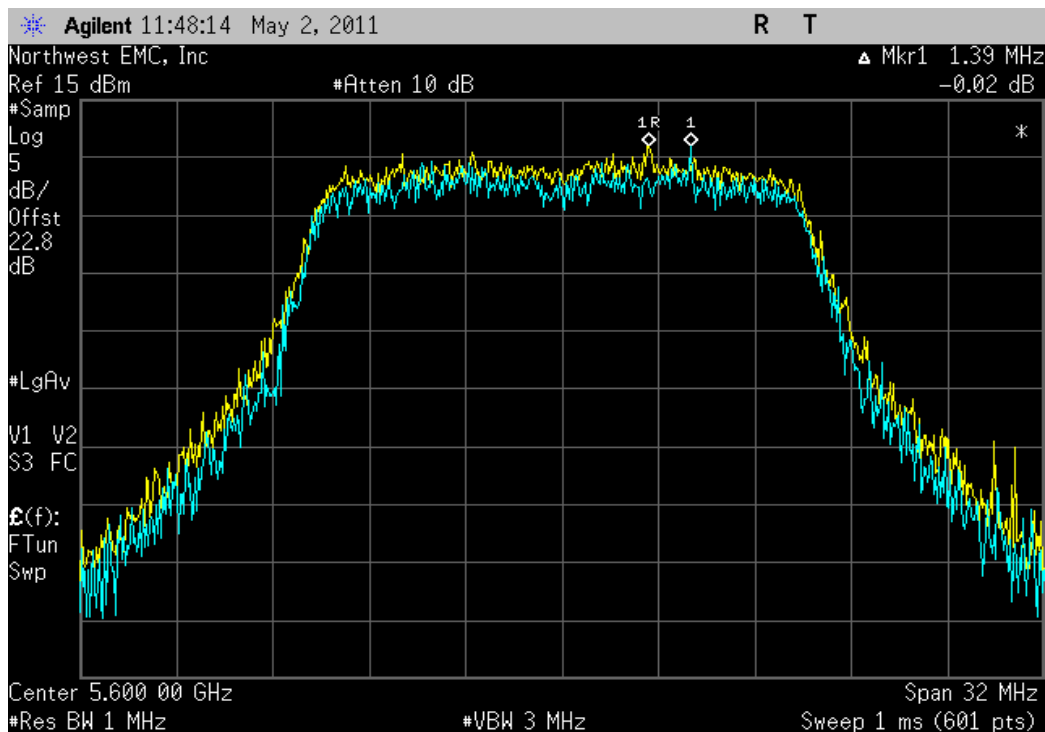
802.11(a) 36 Mbps, 5470 - 5725 MHz Band, Channel 100, Low Channel

				Value	Limit	Result
				0.189 dBm	≤ 13 dB	Pass



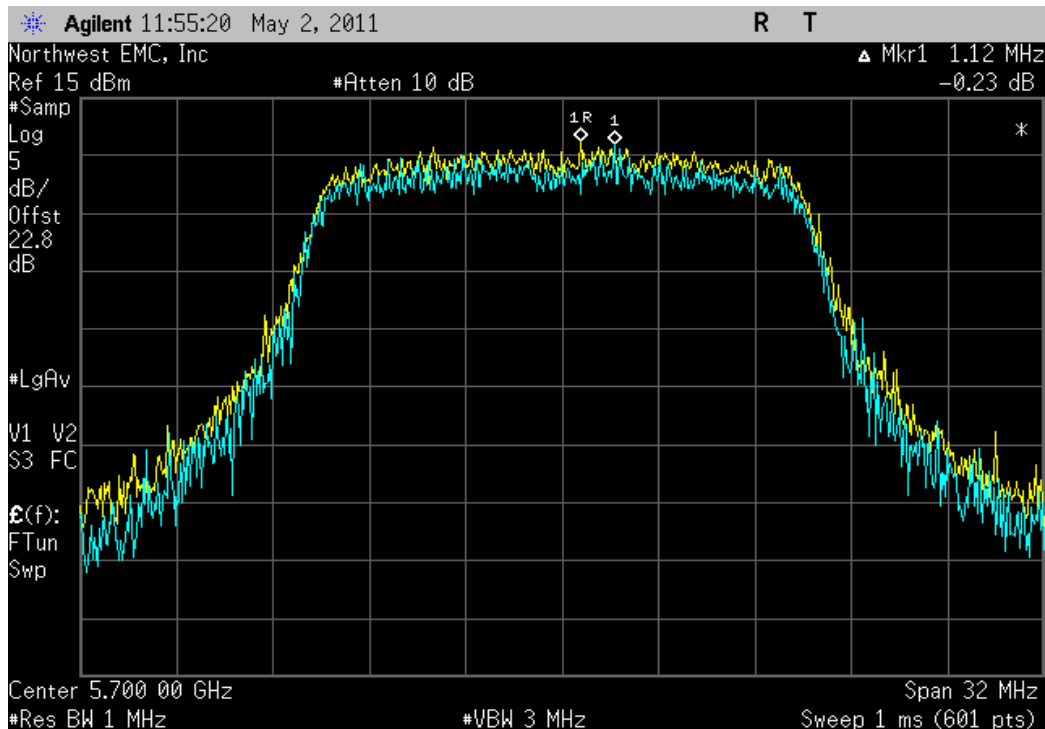
802.11(a) 36 Mbps, 5470 - 5725 MHz Band, Channel 120, Mid Channel

				Value	Limit	Result
				0.016 dBm	≤ 13 dB	Pass



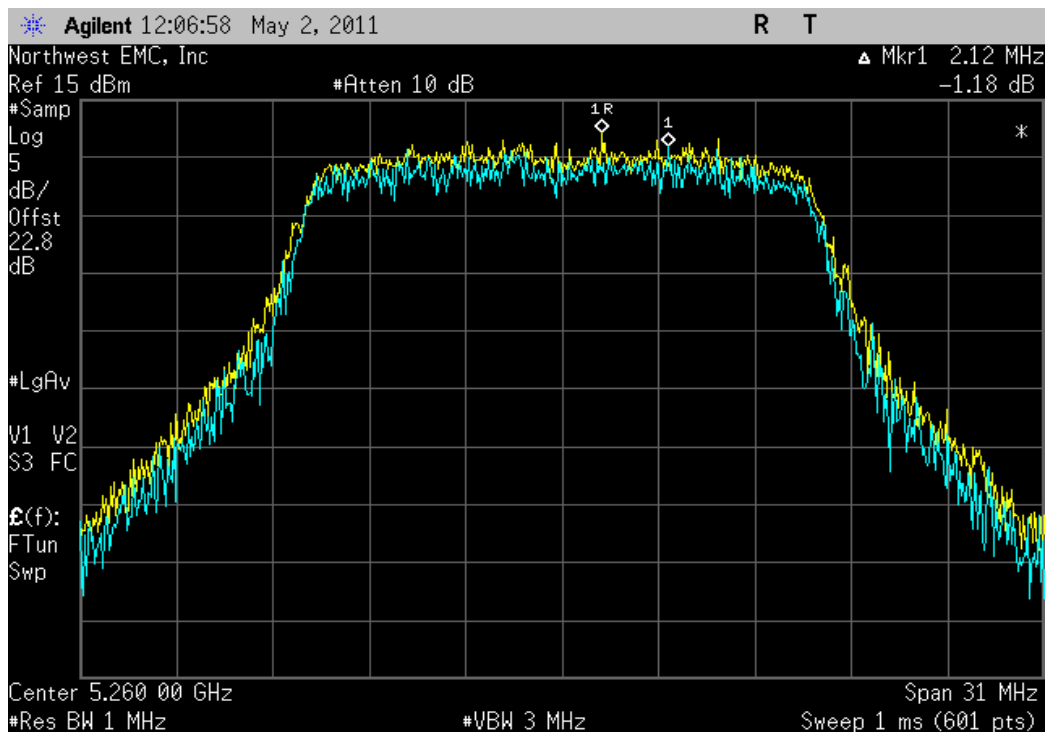
802.11(a) 36 Mbps, 5470 - 5725 MHz Band, Channel 140, High Channel

				Value	Limit	Result
				0.235 dBm	≤ 13 dB	Pass



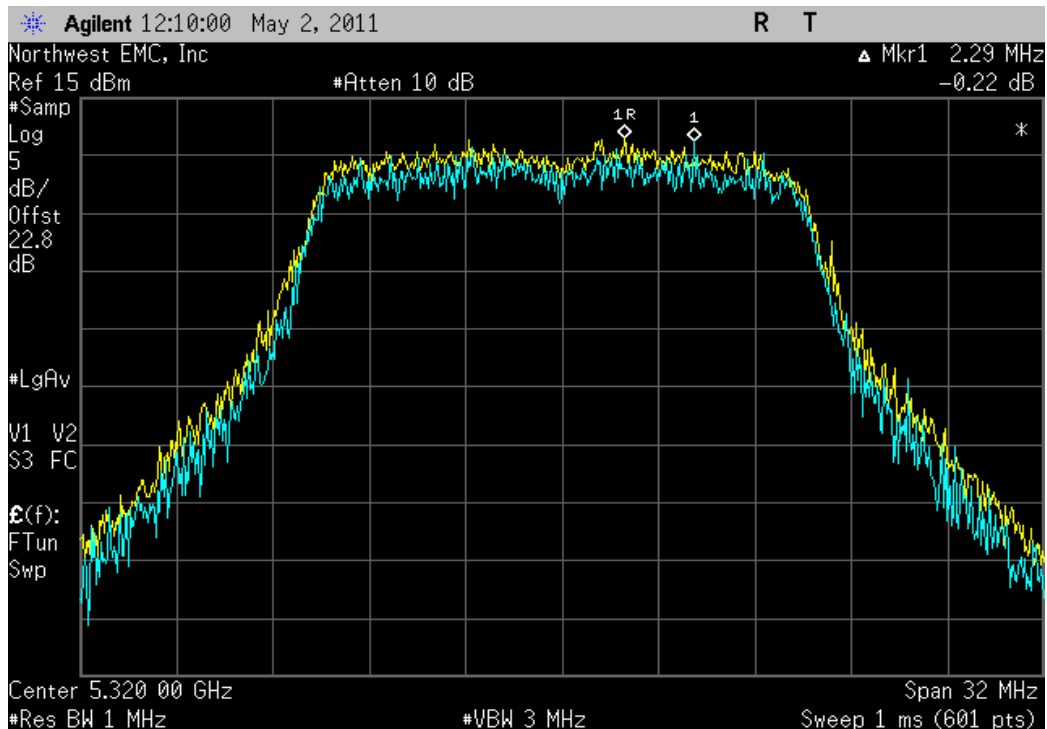
802.11(a) 54 Mbps, 5250 - 5350 MHz Band, Channel 52, Low Channel

				Value	Limit	Result
				1.184 dBm	≤ 13 dB	Pass



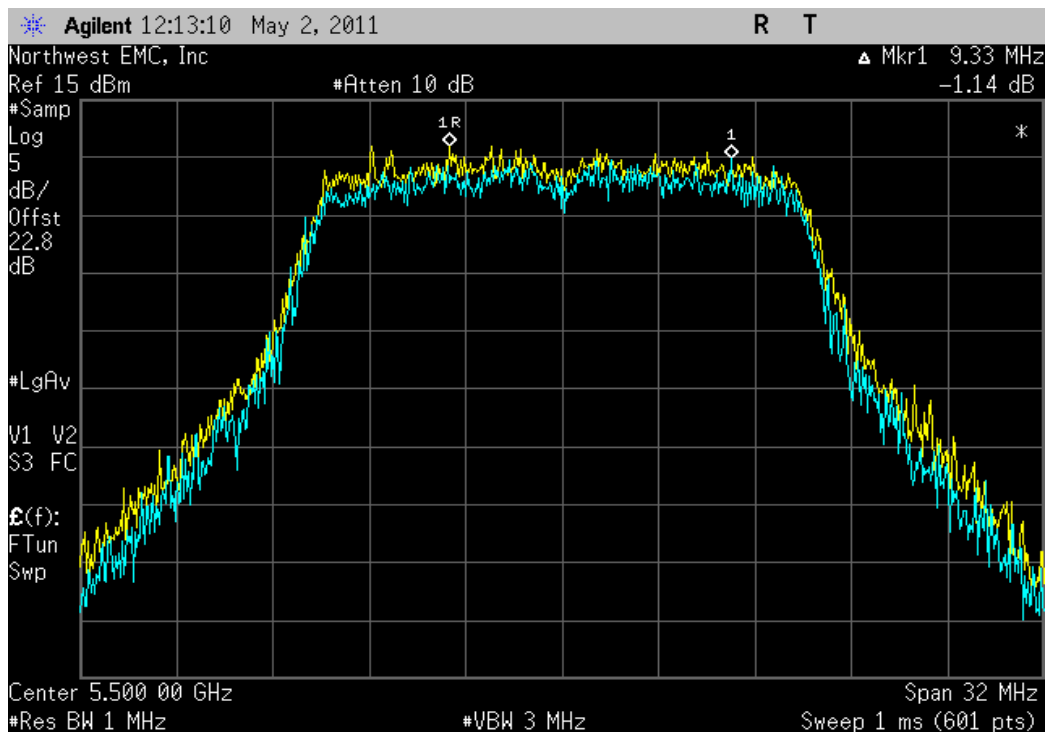
802.11(a) 54 Mbps, 5250 - 5350 MHz Band, Channel 64, High Channel

				Value	Limit	Result
				0.219 dBm	≤ 13 dB	Pass



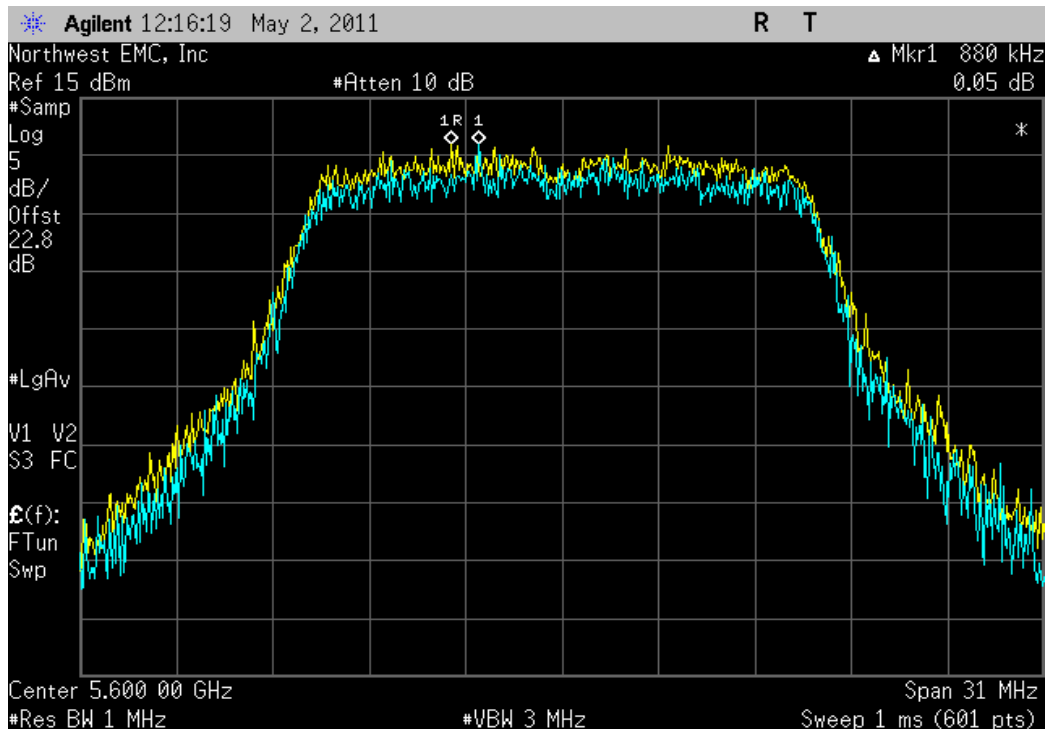
802.11(a) 54 Mbps, 5470 - 5725 MHz Band, Channel 100, Low Channel

				Value	Limit	Result
				1.135 dBm	≤ 13 dB	Pass



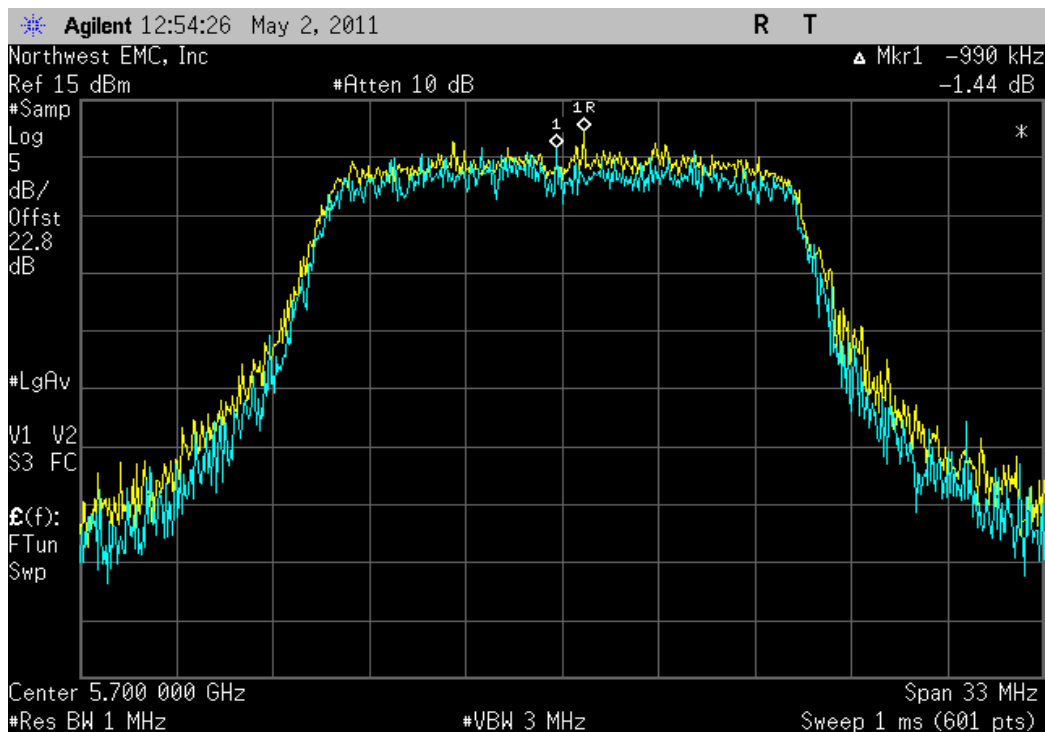
802.11(a) 54 Mbps, 5470 - 5725 MHz Band, Channel 120, Mid Channel

				Value	Limit	Result
				0.054 dBm	≤ 13 dB	Pass



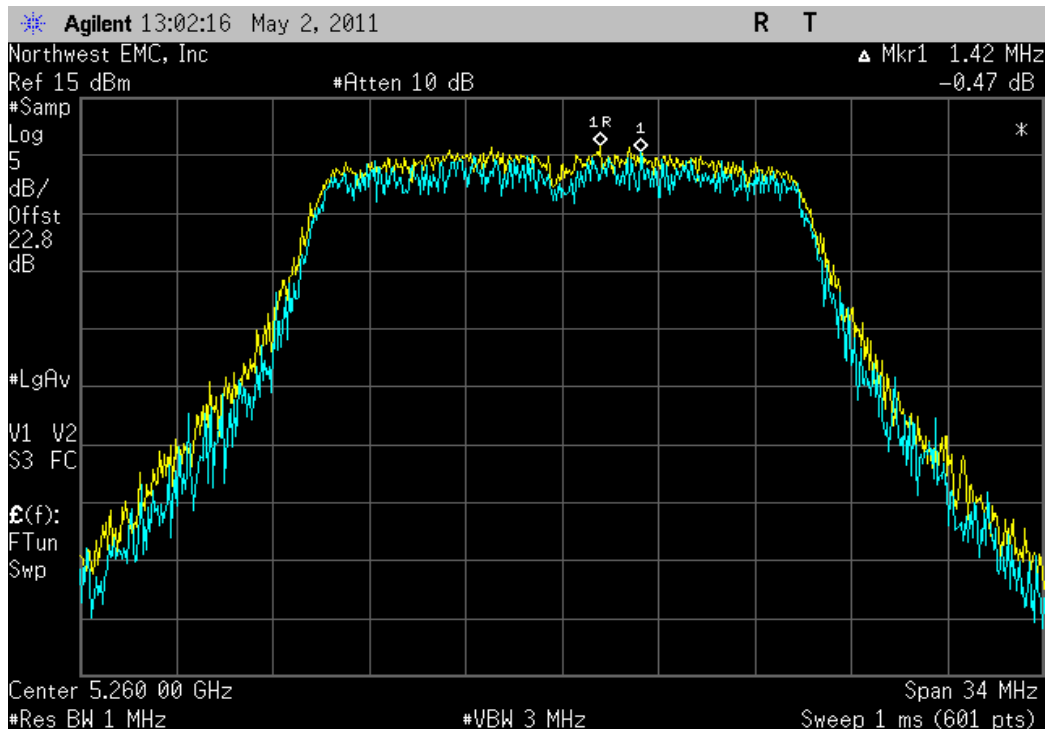
802.11(a) 54 Mbps, 5470 - 5725 MHz Band, Channel 140, High Channel

				Value	Limit	Result
				1.439 dBm	≤ 13 dB	Pass



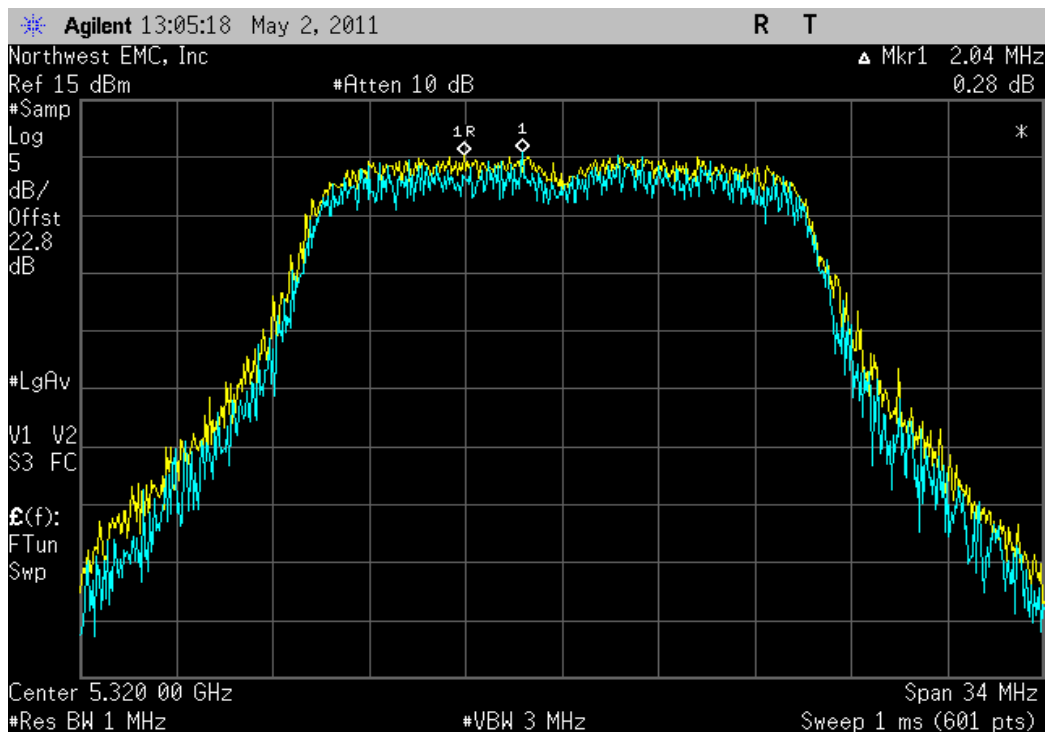
802.11(n) MCS0, 5250 - 5350 MHz Band, Channel 52, Low Channel

				Value	Limit	Result
				0.467 dBm	≤ 13 dB	Pass



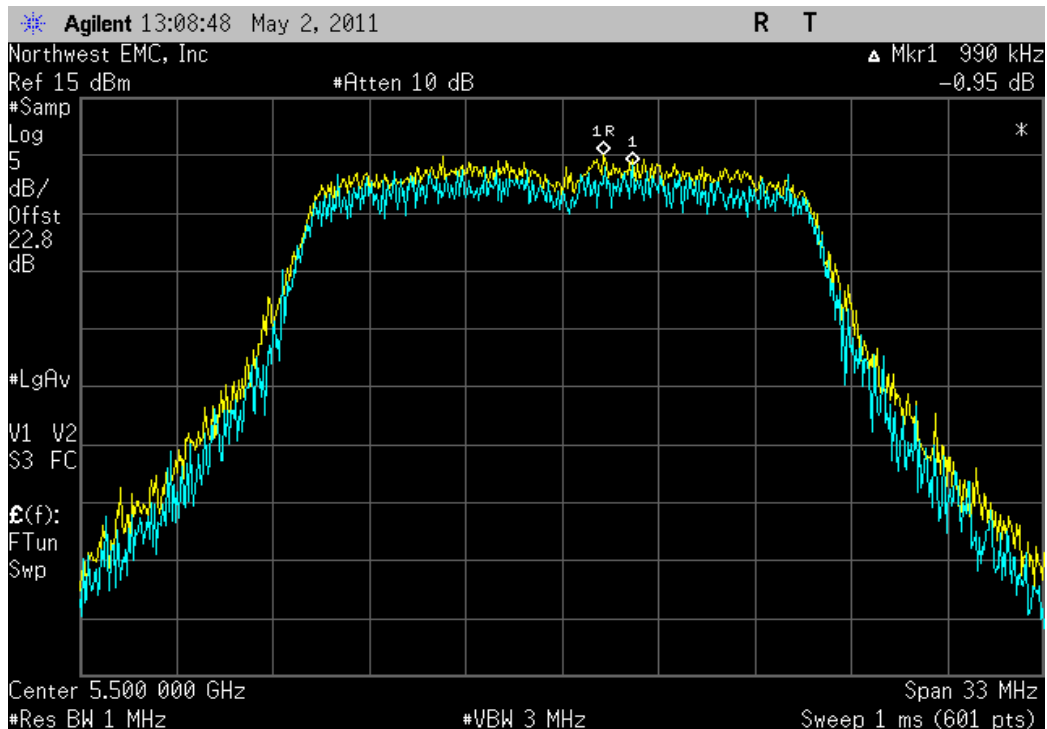
802.11(n) MCS0, 5250 - 5350 MHz Band, Channel 64, High Channel

				Value	Limit	Result
				0.278 dBm	≤ 13 dB	Pass



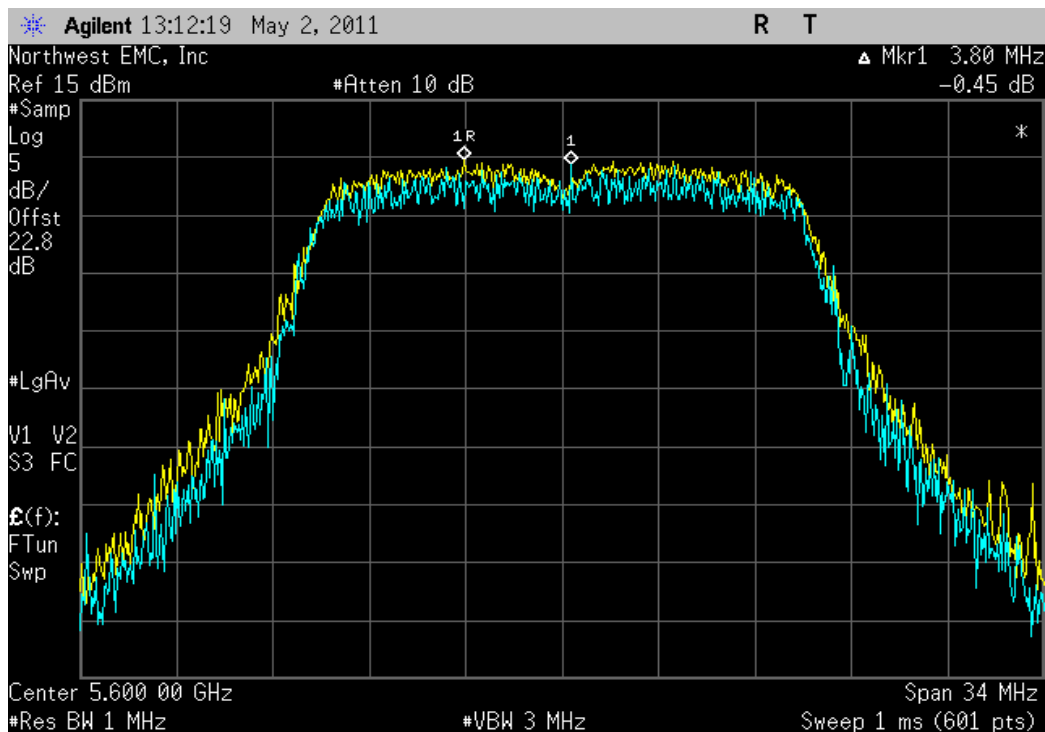
802.11(n) MCS0, 5470 - 5725 MHz Band, Channel 100, Low Channel

				Value	Limit	Result
				0.951 dBm	≤ 13 dB	Pass



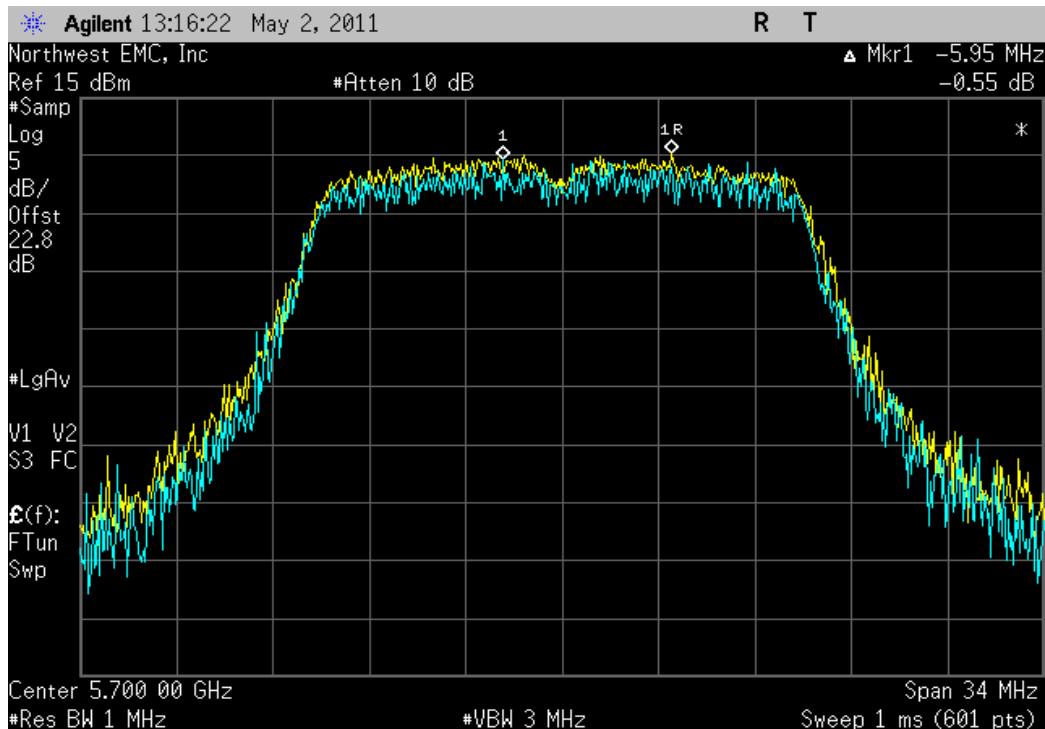
802.11(n) MCS0, 5470 - 5725 MHz Band, Channel 120, Mid Channel

				Value	Limit	Result
				0.445 dBm	≤ 13 dB	Pass



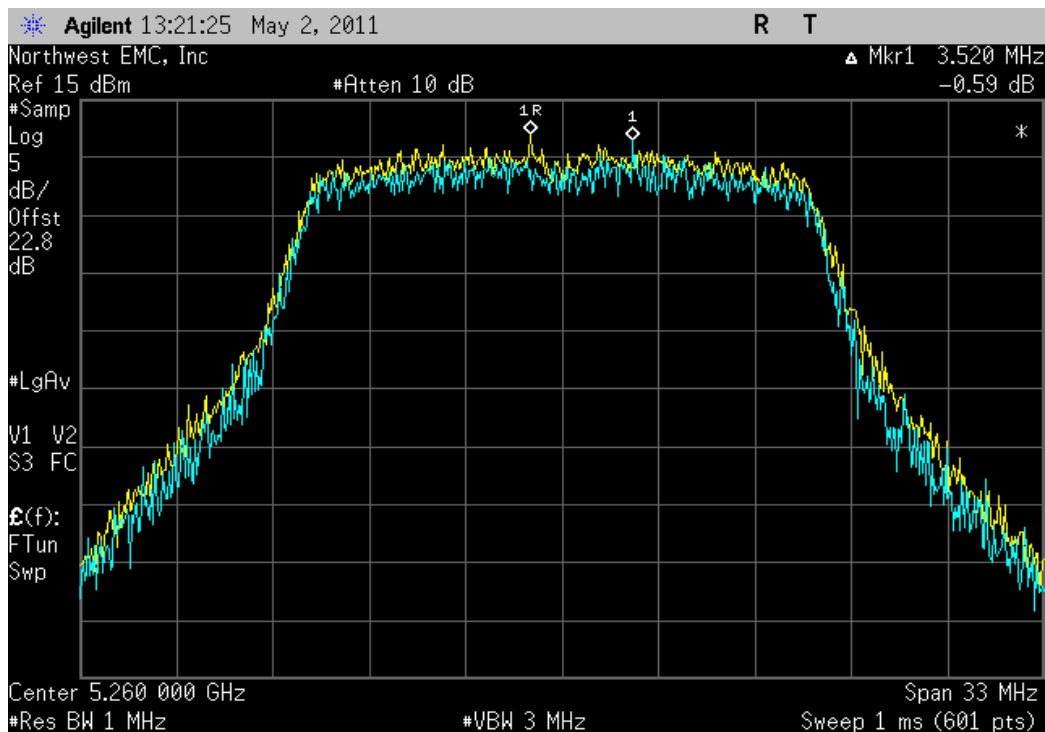
802.11(n) MCS0, 5470 - 5725 MHz Band, Channel 140, High Channel

				Value	Limit	Result
				0.545 dBm	≤ 13 dB	Pass



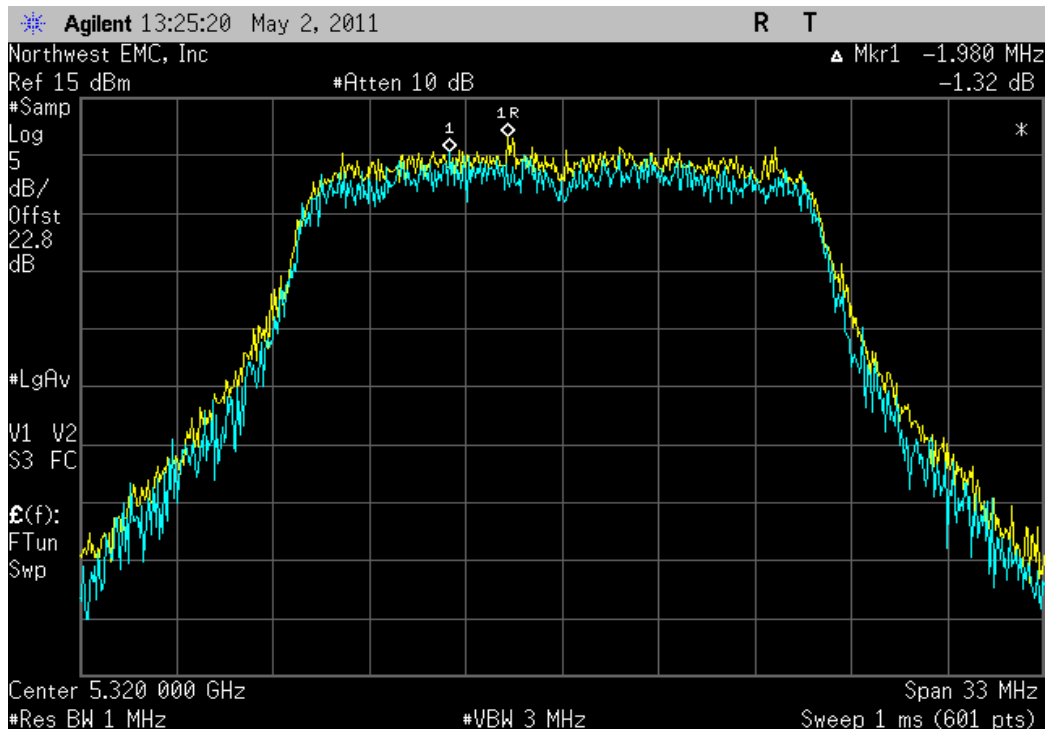
802.11(n) MCS7, 5250 - 5350 MHz Band, Channel 52, Low Channel

				Value	Limit	Result
				0.595 dBm	≤ 13 dB	Pass



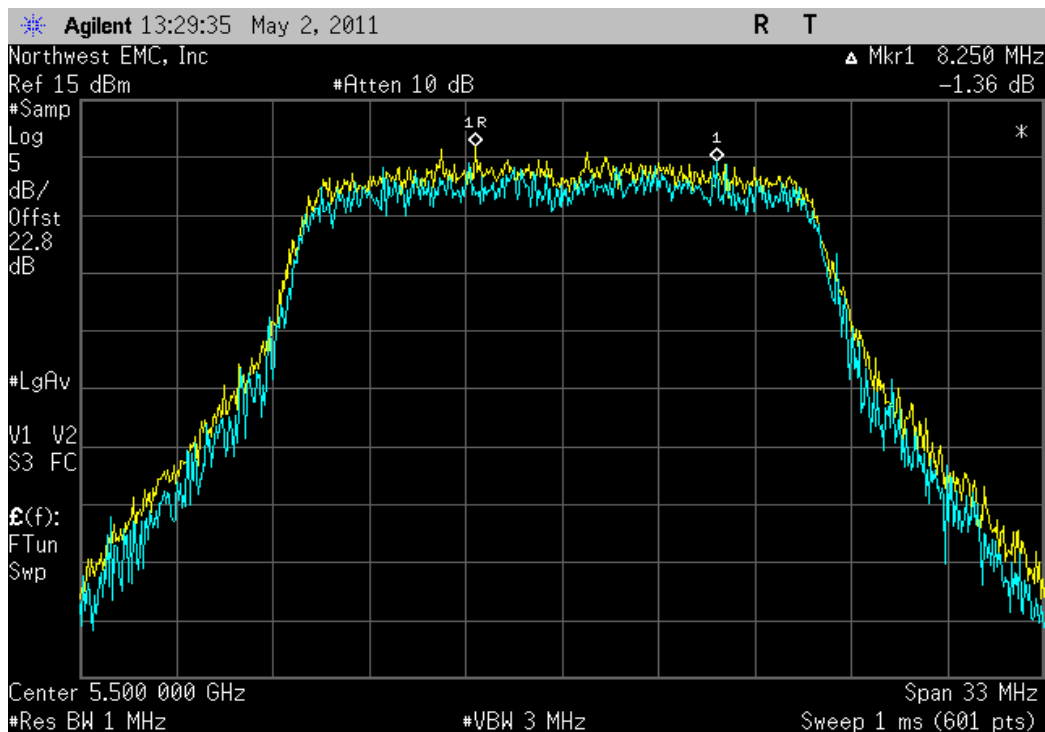
802.11(n) MCS7, 5250 - 5350 MHz Band, Channel 64, High Channel

				Value	Limit	Result
				1.321 dBm	≤ 13 dB	Pass



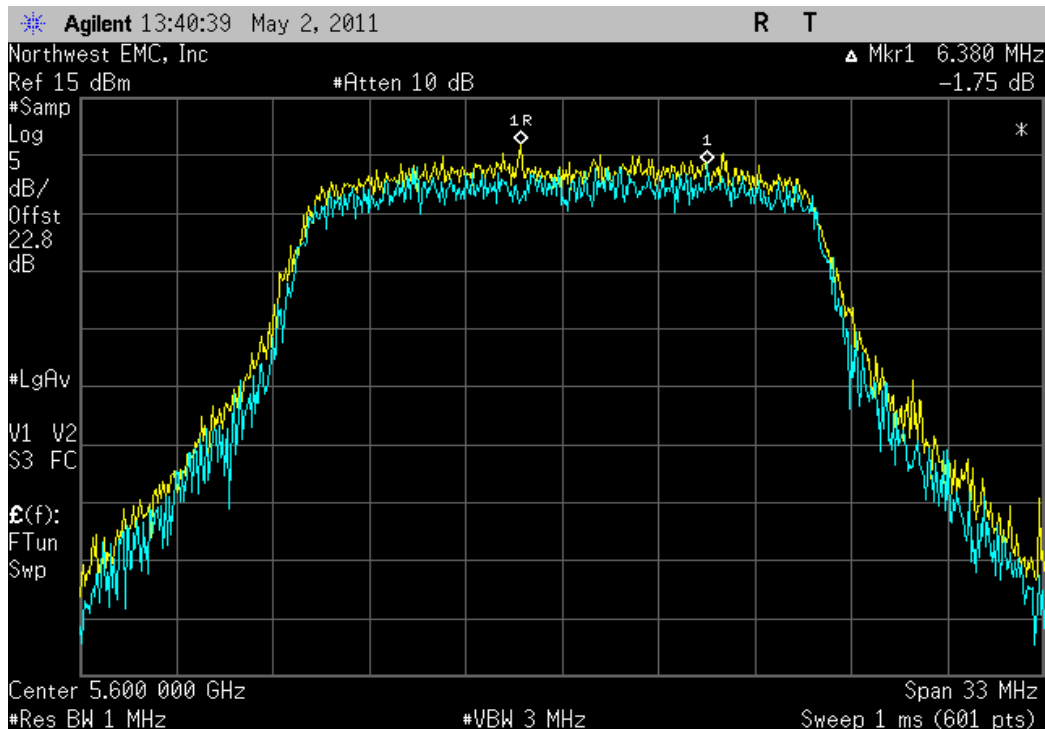
802.11(n) MCS7, 5470 - 5725 MHz Band, Channel 100, Low Channel

				Value	Limit	Result
				1.358 dBm	≤ 13 dB	Pass



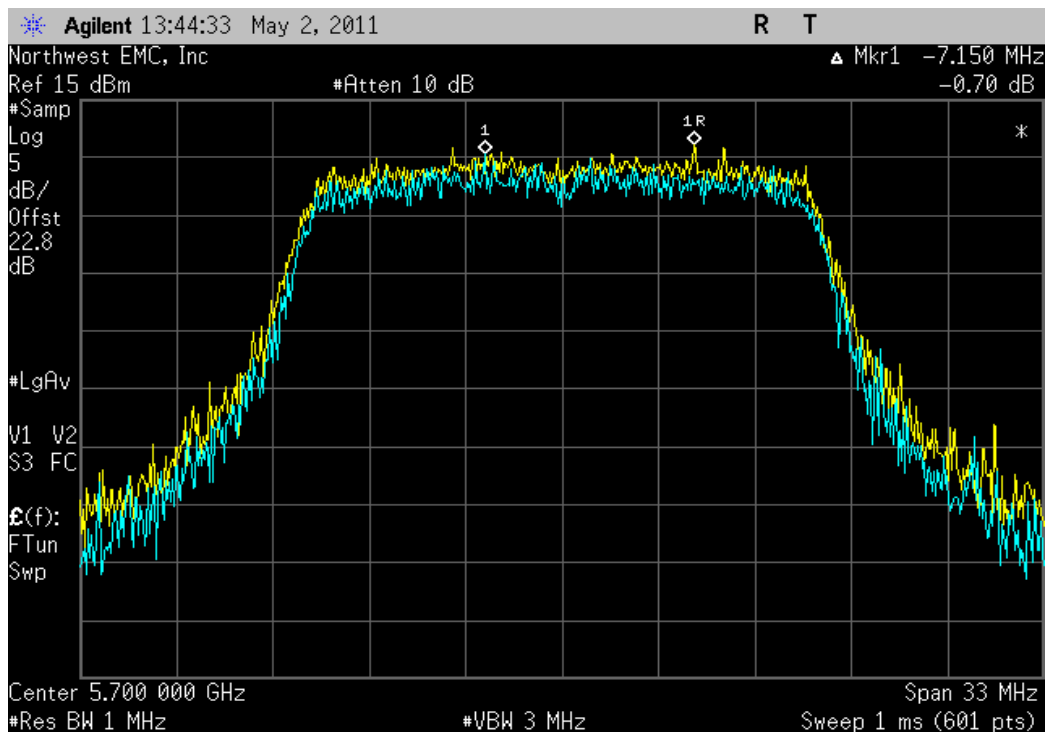
802.11(n) MCS7, 5470 - 5725 MHz Band, Channel 120, Mid Channel

				Value	Limit	Result
				1.747 dBm	≤ 13 dB	Pass



802.11(n) MCS7, 5470 - 5725 MHz Band, Channel 140, High Channel

Value	Limit	Result
0.705 dBm	≤ 13 dB	Pass



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
Signal Generator	Agilent	E8257D	TGU	1/26/2011	12
Power Meter	Hewlett Packard	E4418A	SPA	4/21/2010	24
Power Sensor	Agilent	E4412A	SQE	4/21/2010	24
Spectrum Analyzer	Agilent	E4440A	AFA	2/9/2010	15
Attenuator, 10db 'SMA'	Weinschel Corp	4H-10	AWA	3/19/2010	15
Attenuator	S.M. Electronics	SA18N5W-06	AWP	2/15/2010	24

MEASUREMENT UNCERTAINTY

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 for radiated emissions measurements is less than +/- 4 dB, and for conducted emissions measurements is less than +/- 2.7 dB. Our measurement data meets or exceeds the measurement uncertainty requirements of CISPR 16-4; therefore, the test data can be compared directly to the specification limit to determine compliance. The calculations for measurement uncertainty are available upon request.

TEST DESCRIPTION

ANSI C63.10 was followed. 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 amplitude accuracy of the spectrum analyzer was further enhanced by calibrating the setup using the power meter and synthesized signal generator.

Prior to measuring peak transmit power; the emission bandwidth (B) and the transmission pulse duration (T) were measured. Both are required to determine the method of measuring Peak Transmit Power. The method of measuring the emission bandwidth and the associated data are found elsewhere in this test report. The transmission pulse duration (T) was measured using a zero span on the spectrum analyzer to see the pulses in the time domain.

Method #3 was used because the analyzer sweep time was greater than T for the operating mode which has the shortest transmission pulse duration and the Emission Bandwidth was greater than the largest RBW on the analyzer.

The spectrum analyzer settings were as follows:

- The span was set to encompass entire emission bandwidth (B), centered on the transmit channel.
- The RBW = 1 MHz, VBW > / = 1/T
- Sample detector mode because the bin width (span / number of spectral points) < 0.5 RBW.
- Power was integrated across "B", by using the channel power function of the analyzer.

The power limits are based on the following formulas:

5.25 MHz – 5.35 MHz band - The lesser of 250 mW or 11 dBm + 10 log B, where B is the -26dB emission bandwidth in MHz.

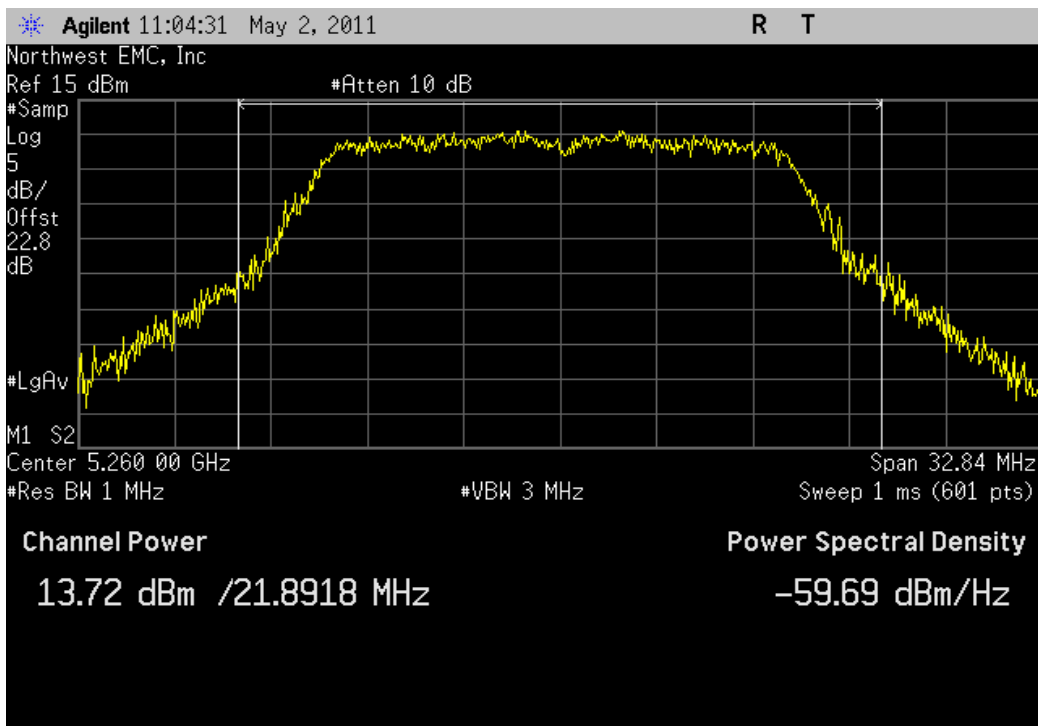
5.47 MHz – 5.725 MHz band - The lesser of 250 mW or 11 dBm + 10 log B, where B is the -26dB emission bandwidth in MHz.

In each case the output power is lower if the -26dB emission bandwidth is less than 20 MHz.

NORTHWEST		Peak Transmit Power		XMM 2011.04.20	
EMC				PsaTx 2011.04.21	
EUT: RLXIB-IHN		Work Order: PROS0095			
Serial Number: 00-0D-8D-F0-3C-75		Date: 05/02/11			
Customer: ProSoft Technology, Inc.		Temperature: 22.54°C			
Attendees: None		Humidity: 21%			
Project: None		Barometric Pres.: 1014.2			
Tested by: Jaemi Suh		Power: 120VAC/60Hz		Job Site: OC13	
TEST SPECIFICATIONS		TEST METHOD			
FCC 15.407:2011		ANSI C63.10:2009			
COMMENTS					
Antenna Port A. Antenna Power Level Set to 14.					
DEVIATIONS FROM TEST STANDARD					
No Deviations					
Configuration #	1	Signature 			
			Value	Limit	Result
802.11(a) 6 Mbps					
5250 - 5350 MHz Band					
Channel 52, Low Channel			13.716 dBm	< 17 dBm	Pass
Channel 64, High Channel			13.399 dBm	< 17 dBm	Pass
5470 - 5725 MHz Band					
Channel 100, Low Channel			11.287 dBm	< 17 dBm	Pass
Channel 120, Mid Channel			12.51 dBm	< 17 dBm	Pass
Channel 140, High Channel			13.041 dBm	< 17 dBm	Pass
802.11(a) 36 Mbps					
5250 - 5350 MHz Band					
Channel 52, Low Channel			13.581 dBm	< 17 dBm	Pass
Channel 64, High Channel			13.263 dBm	< 17 dBm	Pass
5470 - 5725 MHz Band					
Channel 100, Low Channel			12.487 dBm	< 17 dBm	Pass
Channel 120, Mid Channel			12.562 dBm	< 17 dBm	Pass
Channel 140, High Channel			13.064 dBm	< 17 dBm	Pass
802.11(a) 54 Mbps					
5250 - 5350 MHz Band					
Channel 52, Low Channel			13.562 dBm	< 17 dBm	Pass
Channel 64, High Channel			13.27 dBm	< 17 dBm	Pass
5470 - 5725 MHz Band					
Channel 100, Low Channel			12.665 dBm	< 17 dBm	Pass
Channel 120, Mid Channel			12.534 dBm	< 17 dBm	Pass
Channel 140, High Channel			13.155 dBm	< 17 dBm	Pass
802.11(n) MCS0					
5250 - 5350 MHz Band					
Channel 52, Low Channel			13.683 dBm	< 17 dBm	Pass
Channel 64, High Channel			13.316 dBm	< 17 dBm	Pass
5470 - 5725 MHz Band					
Channel 100, Low Channel			12.552 dBm	< 17 dBm	Pass
Channel 120, Mid Channel			12.553 dBm	< 17 dBm	Pass
Channel 140, High Channel			13.004 dBm	< 17 dBm	Pass
802.11(n) MCS7					
5250 - 5350 MHz Band					
Channel 52, Low Channel			13.429 dBm	< 17 dBm	Pass
Channel 64, High Channel			13.135 dBm	< 17 dBm	Pass
5470 - 5725 MHz Band					
Channel 100, Low Channel			12.311 dBm	< 17 dBm	Pass
Channel 120, Mid Channel			12.405 dBm	< 17 dBm	Pass
Channel 140, High Channel			12.929 dBm	< 17 dBm	Pass

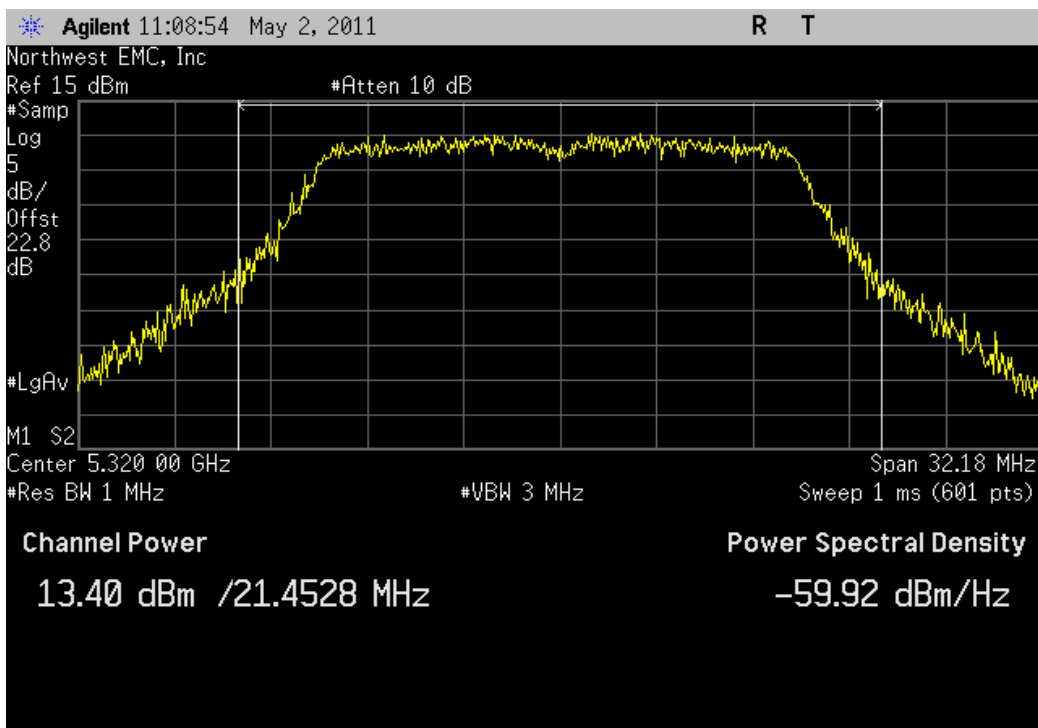
802.11(a) 6 Mbps, 5250 - 5350 MHz Band, Channel 52, Low Channel

	Value	Limit	Result
	13.716 dBm	< 17 dBm	Pass



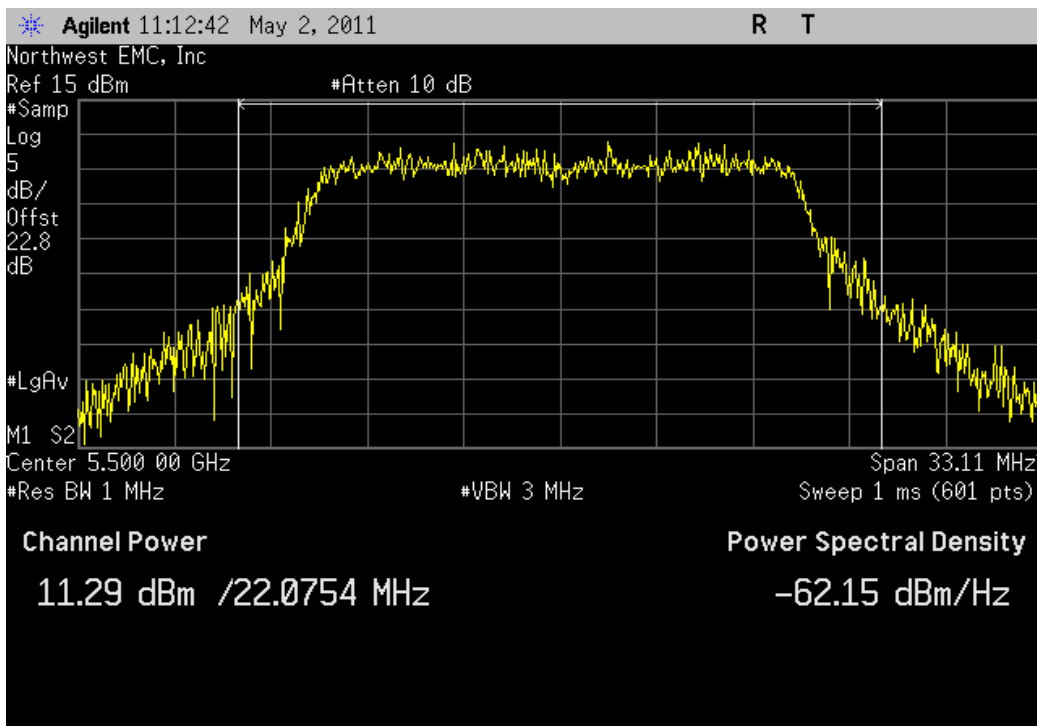
802.11(a) 6 Mbps, 5250 - 5350 MHz Band, Channel 64, High Channel

	Value	Limit	Result
	13.399 dBm	< 17 dBm	Pass



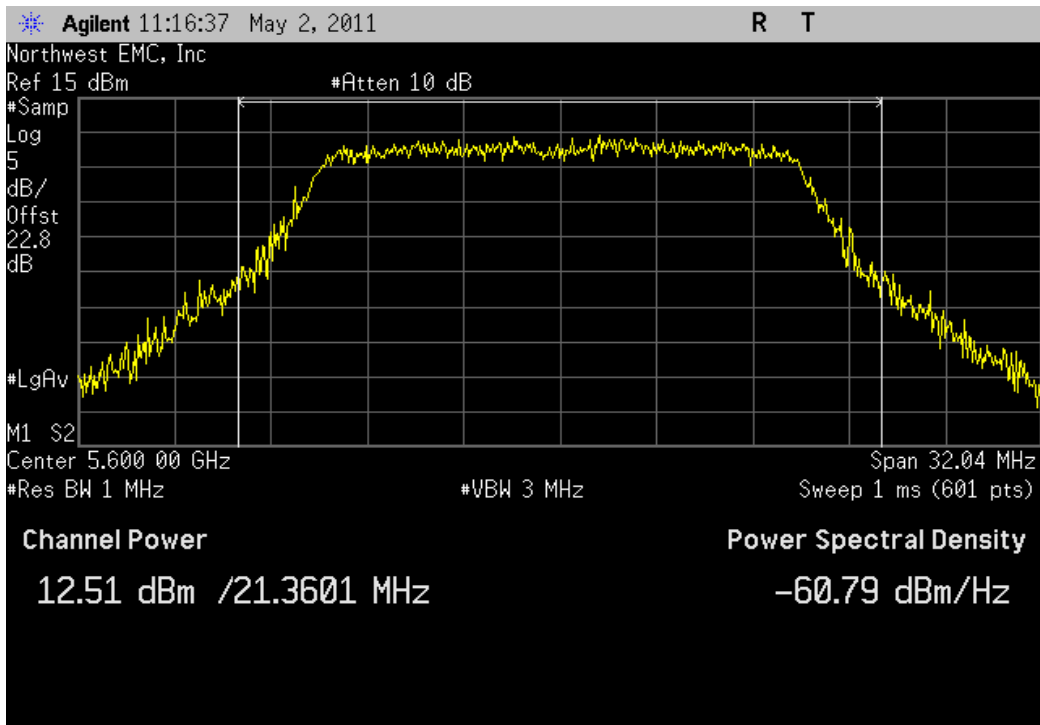
802.11(a) 6 Mbps, 5470 - 5725 MHz Band, Channel 100, Low Channel

	Value	Limit	Result
	11.287 dBm	< 17 dBm	Pass



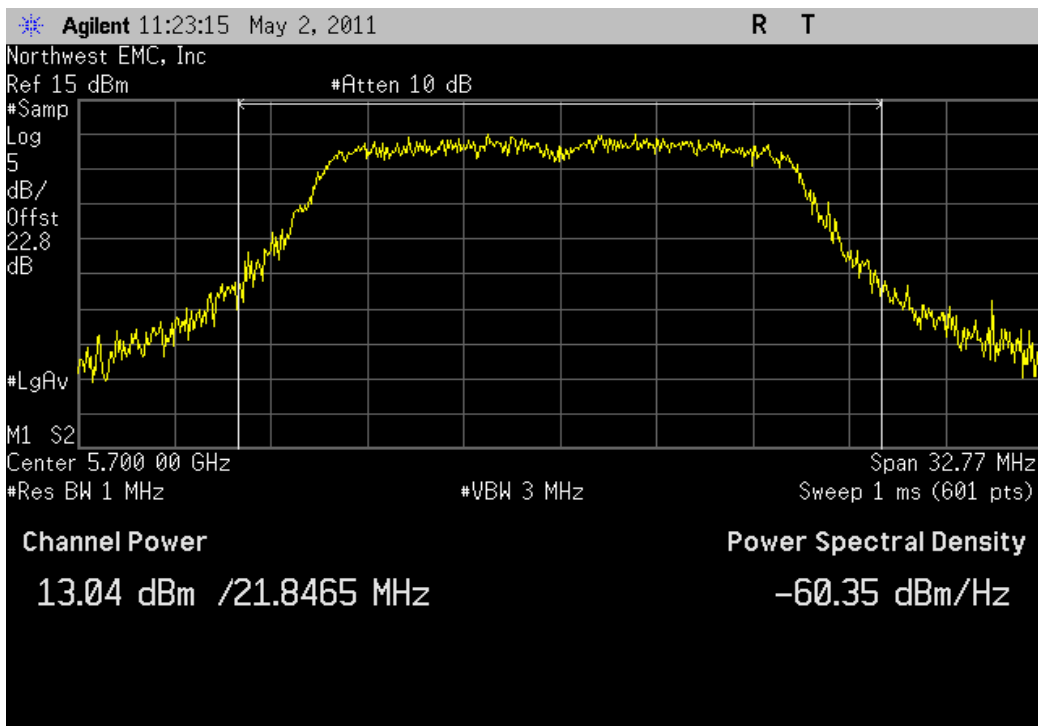
802.11(a) 6 Mbps, 5470 - 5725 MHz Band, Channel 120, Mid Channel

	Value	Limit	Result
	12.51 dBm	< 17 dBm	Pass



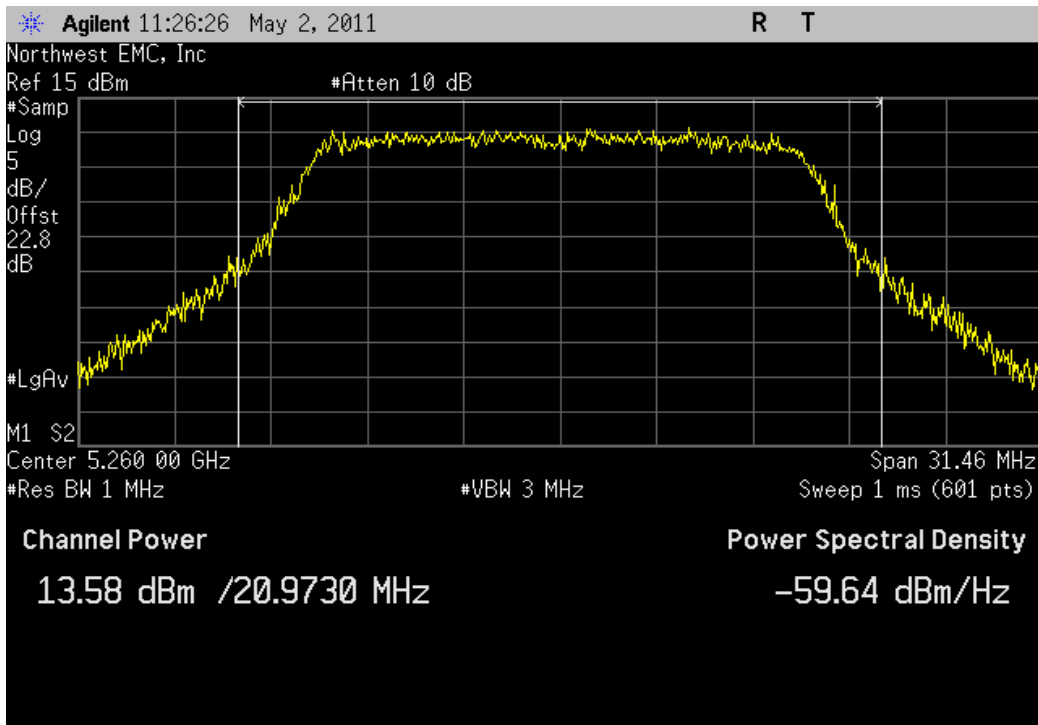
802.11(a) 6 Mbps, 5470 - 5725 MHz Band, Channel 140, High Channel

Value	Limit	Result
13.041 dBm	< 17 dBm	Pass



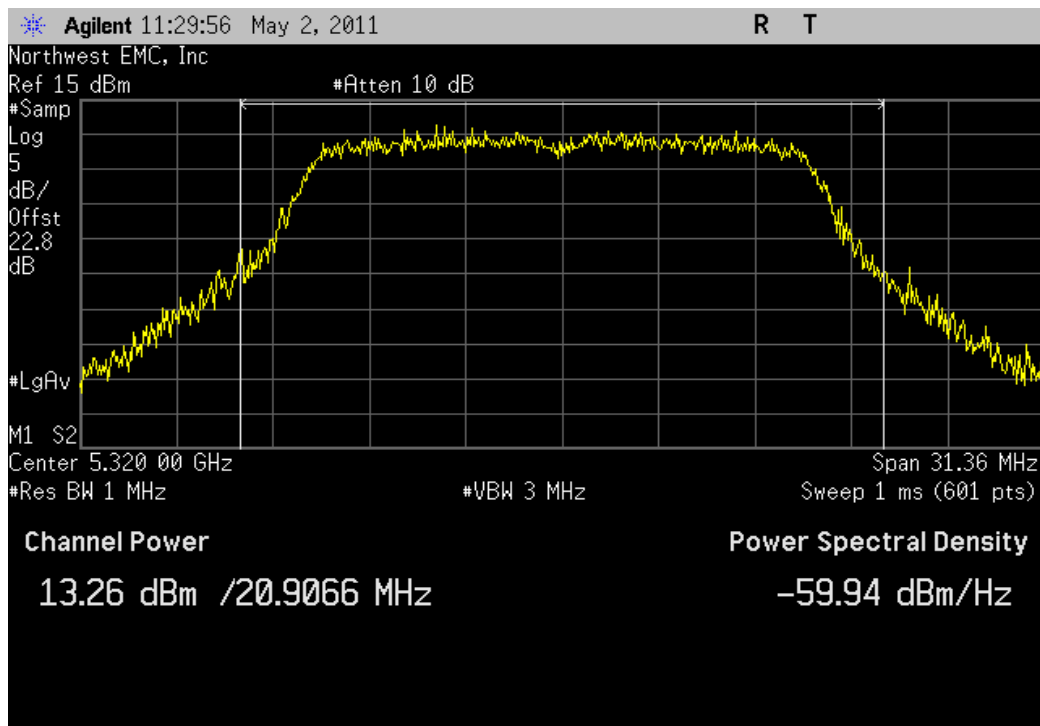
802.11(a) 36 Mbps, 5250 - 5350 MHz Band, Channel 52, Low Channel

Value	Limit	Result
13.581 dBm	< 17 dBm	Pass



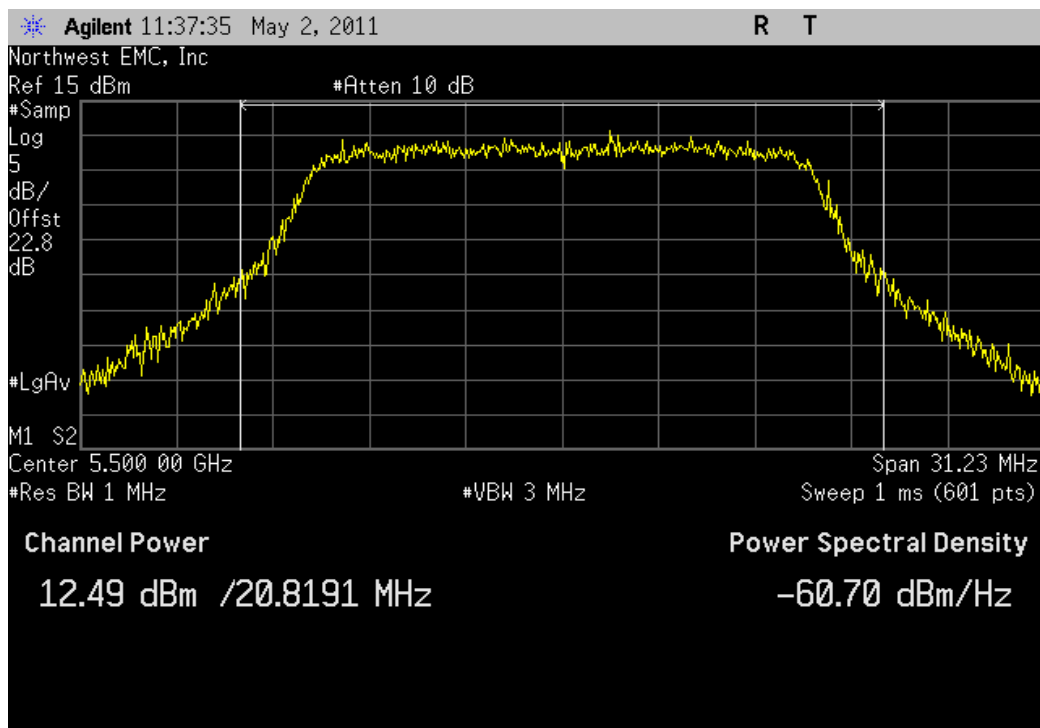
802.11(a) 36 Mbps, 5250 - 5350 MHz Band, Channel 64, High Channel

Value	Limit	Result
13.263 dBm	< 17 dBm	Pass



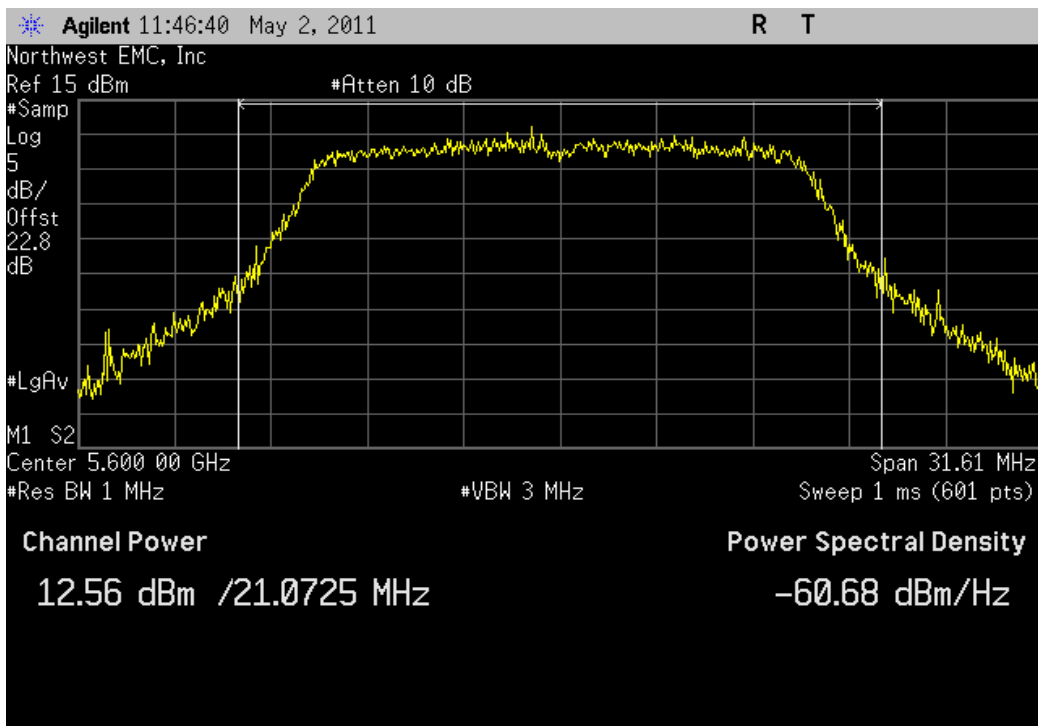
802.11(a) 36 Mbps, 5470 - 5725 MHz Band, Channel 100, Low Channel

Value	Limit	Result
12.487 dBm	< 17 dBm	Pass



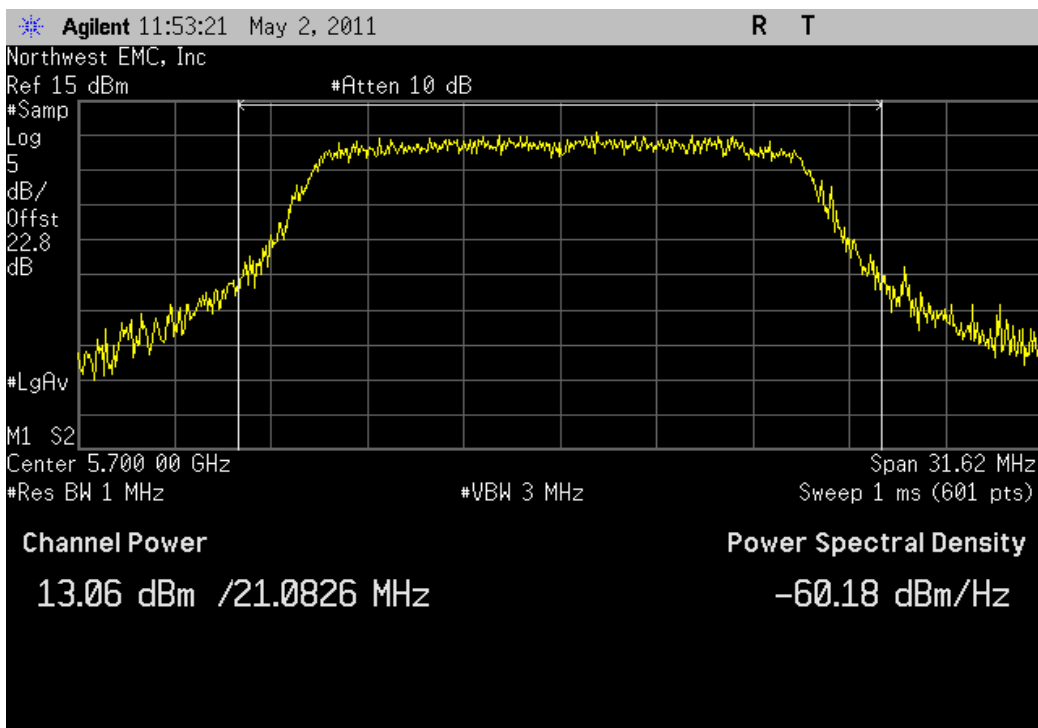
802.11(a) 36 Mbps, 5470 - 5725 MHz Band, Channel 120, Mid Channel

Value	Limit	Result
12.562 dBm	< 17 dBm	Pass



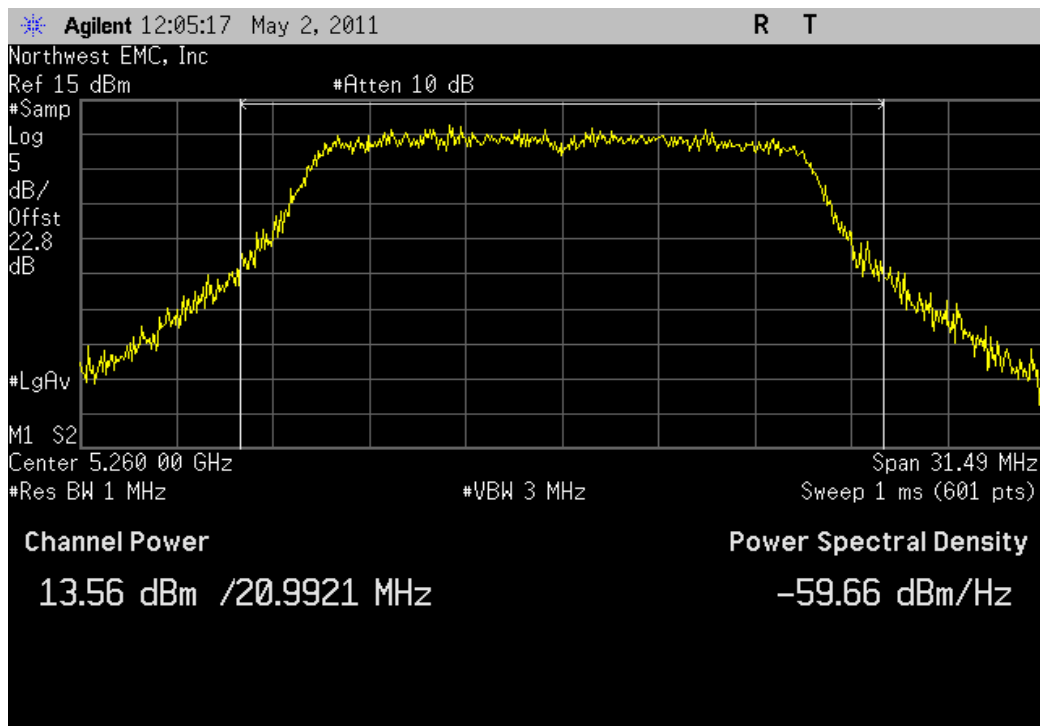
802.11(a) 36 Mbps, 5470 - 5725 MHz Band, Channel 140, High Channel

Value	Limit	Result
13.064 dBm	< 17 dBm	Pass



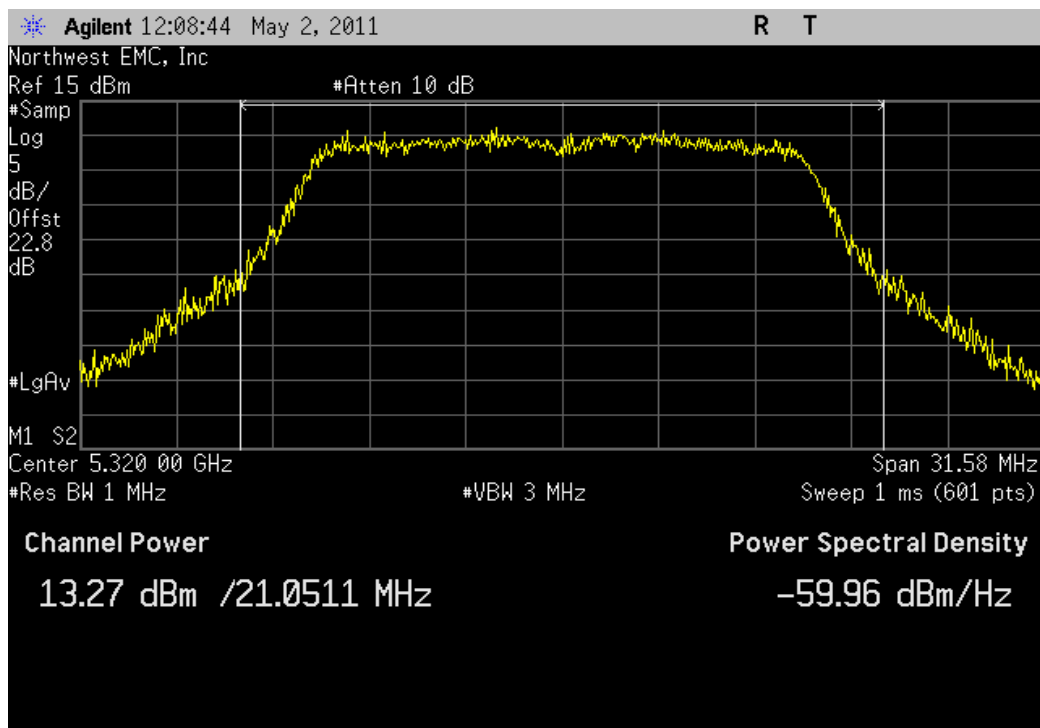
802.11(a) 54 Mbps, 5250 - 5350 MHz Band, Channel 52, Low Channel

Value	Limit	Result
13.562 dBm	< 17 dBm	Pass



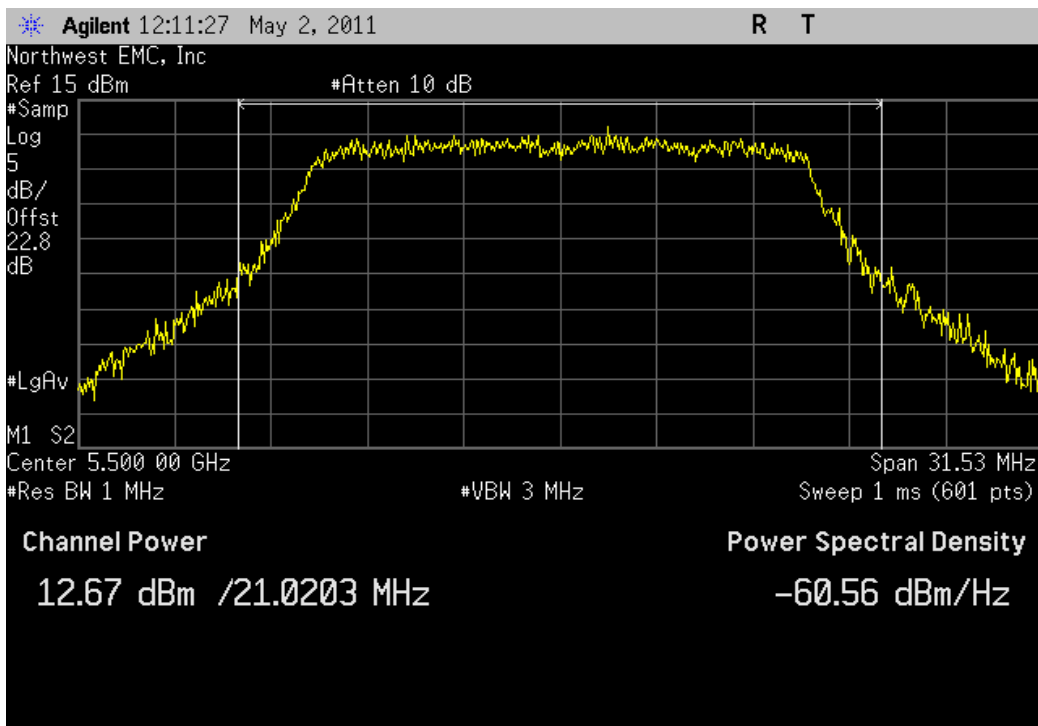
802.11(a) 54 Mbps, 5250 - 5350 MHz Band, Channel 64, High Channel

Value	Limit	Result
13.27 dBm	< 17 dBm	Pass



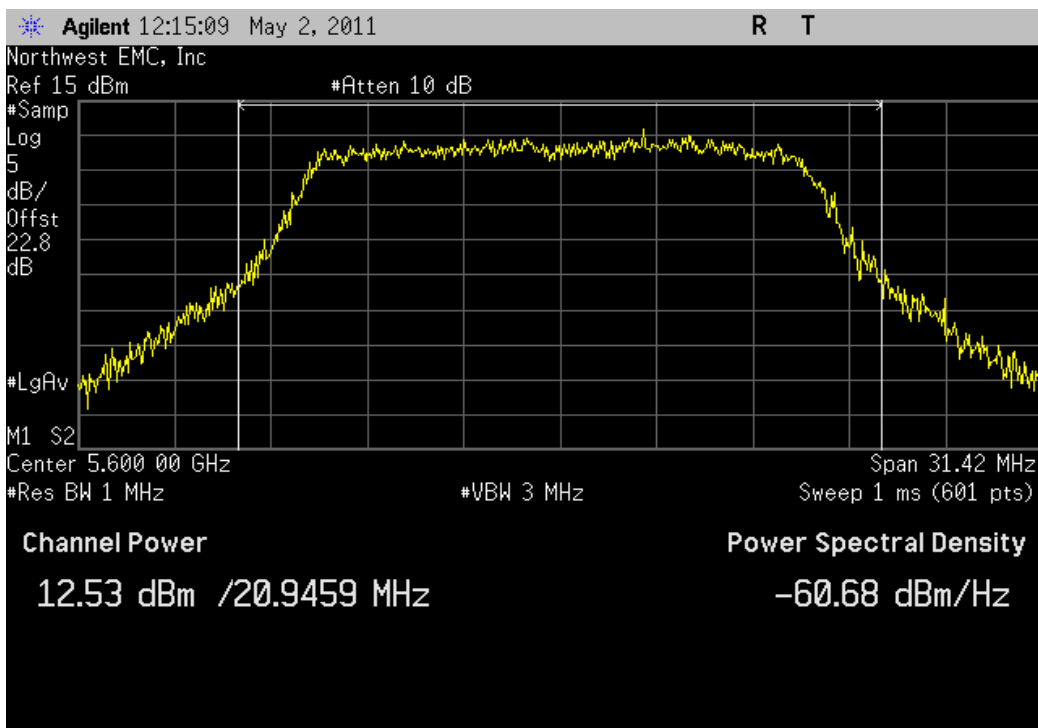
802.11(a) 54 Mbps, 5470 - 5725 MHz Band, Channel 100, Low Channel

	Value	Limit	Result
	12.665 dBm	< 17 dBm	Pass



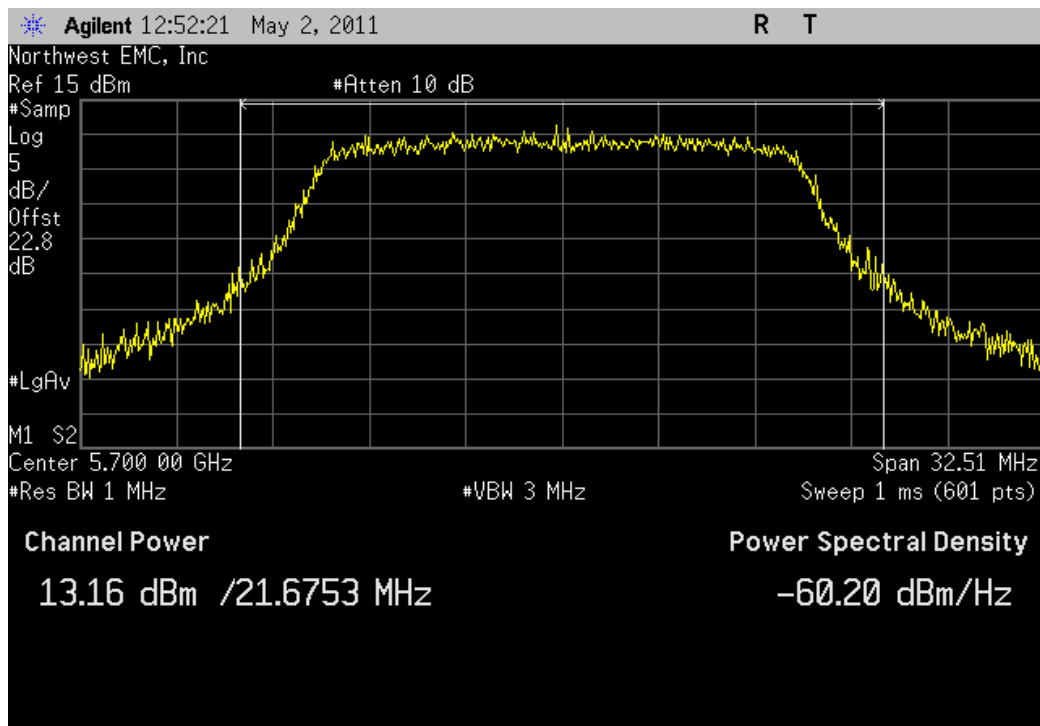
802.11(a) 54 Mbps, 5470 - 5725 MHz Band, Channel 120, Mid Channel

	Value	Limit	Result
	12.534 dBm	< 17 dBm	Pass



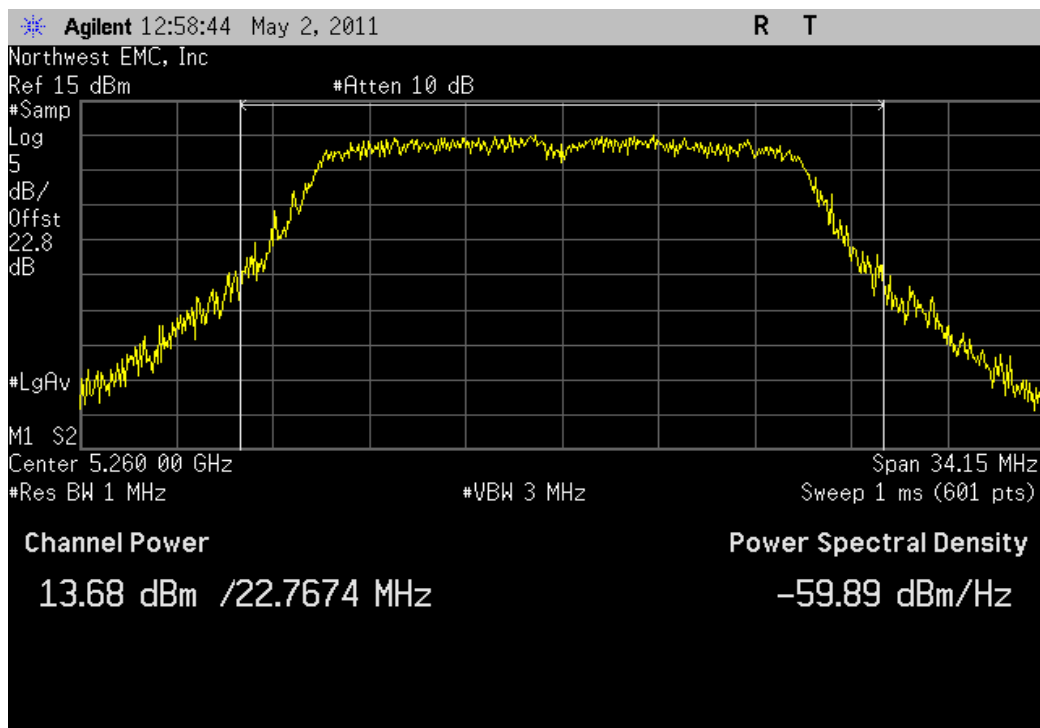
802.11(a) 54 Mbps, 5470 - 5725 MHz Band, Channel 140, High Channel

	Value	Limit	Result
	13.155 dBm	< 17 dBm	Pass



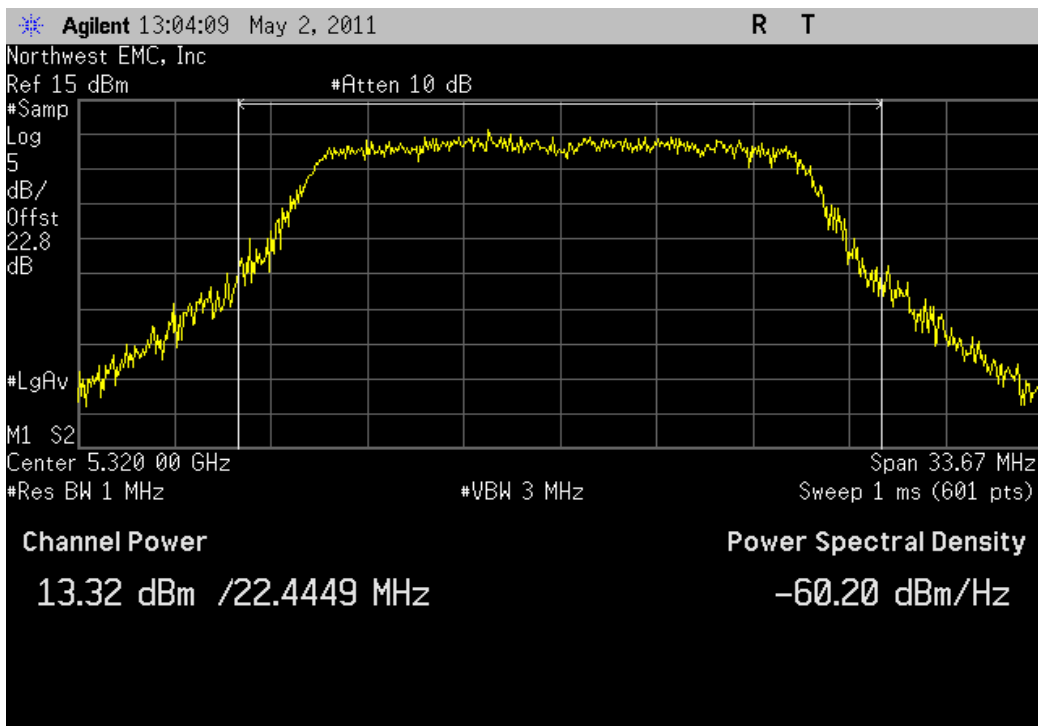
802.11(n) MCS0, 5250 - 5350 MHz Band, Channel 52, Low Channel

	Value	Limit	Result
	13.683 dBm	< 17 dBm	Pass



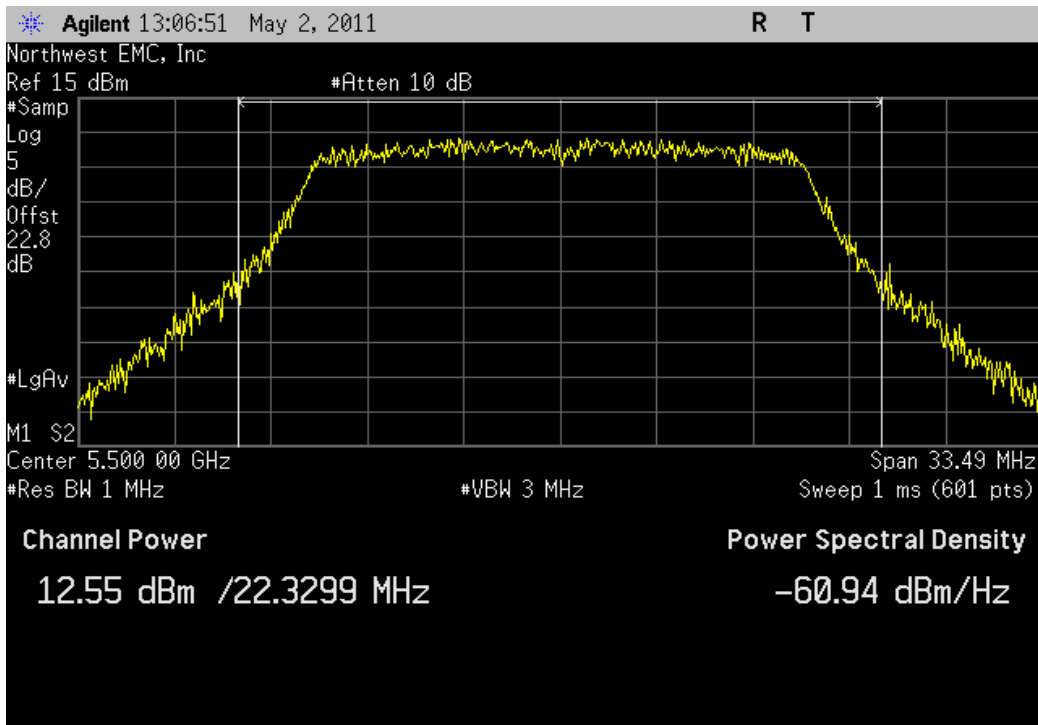
802.11(n) MCS0, 5250 - 5350 MHz Band, Channel 64, High Channel

Value	Limit	Result
13.316 dBm	< 17 dBm	Pass



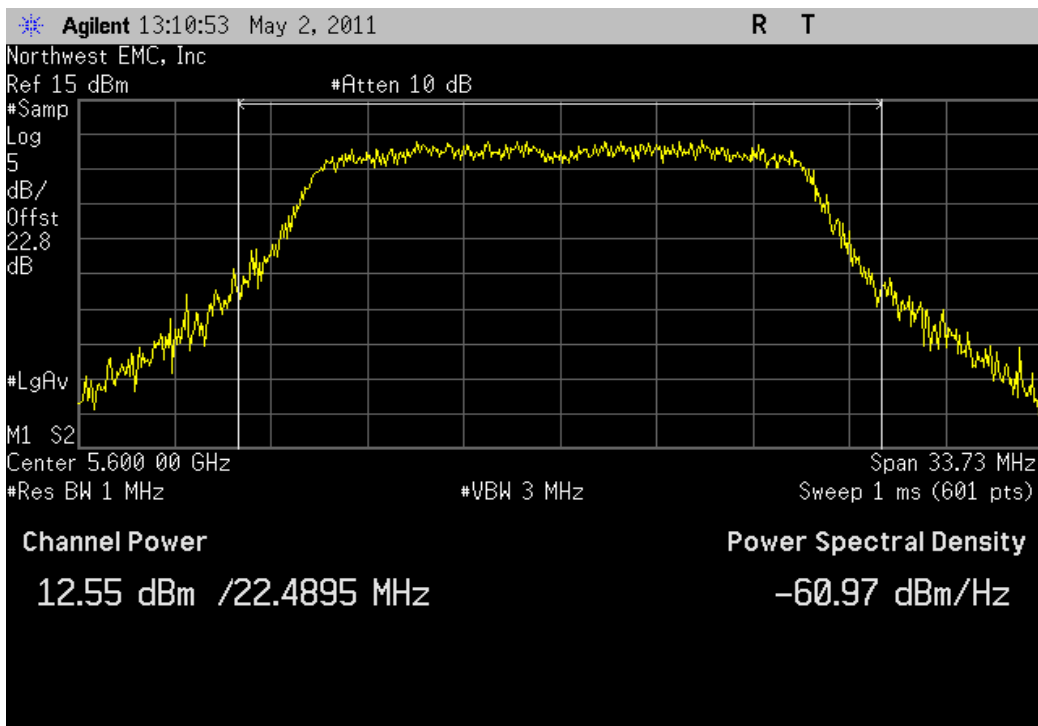
802.11(n) MCS0, 5470 - 5725 MHz Band, Channel 100, Low Channel

Value	Limit	Result
12.552 dBm	< 17 dBm	Pass



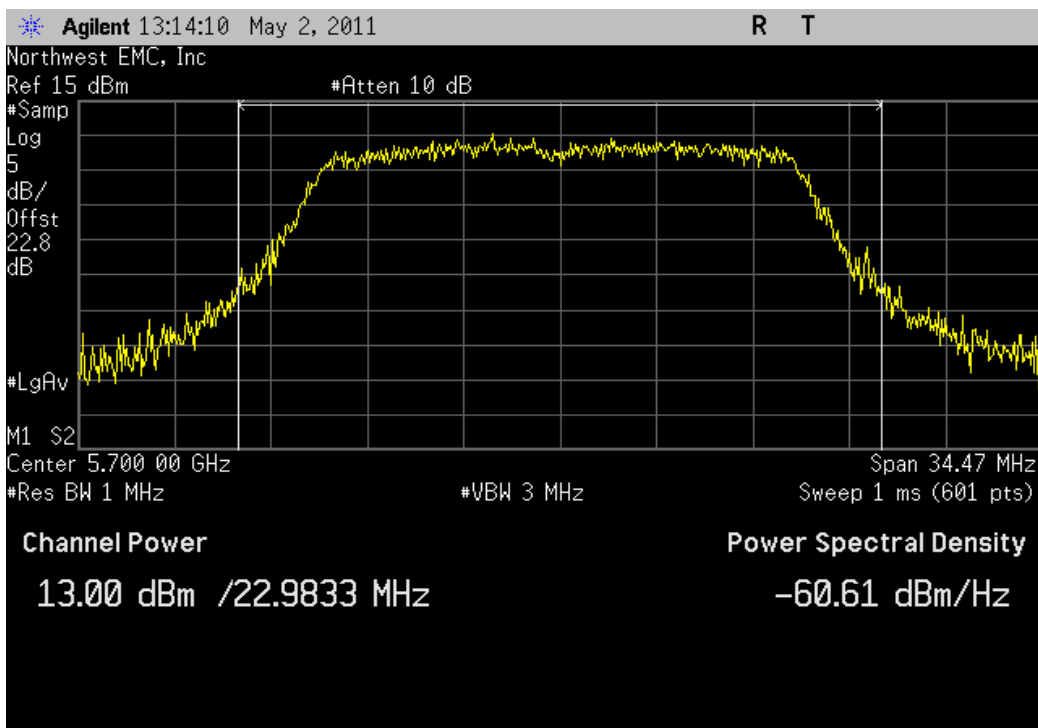
802.11(n) MCS0, 5470 - 5725 MHz Band, Channel 120, Mid Channel

	Value	Limit	Result
	12.553 dBm	< 17 dBm	Pass



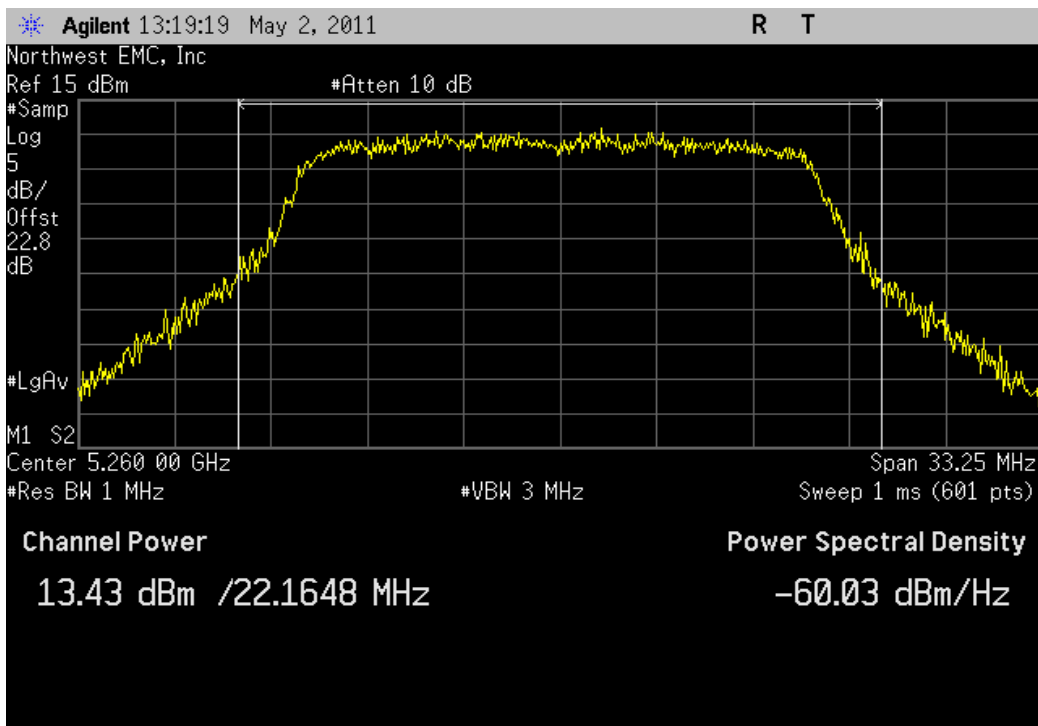
802.11(n) MCS0, 5470 - 5725 MHz Band, Channel 140, High Channel

	Value	Limit	Result
	13.004 dBm	< 17 dBm	Pass



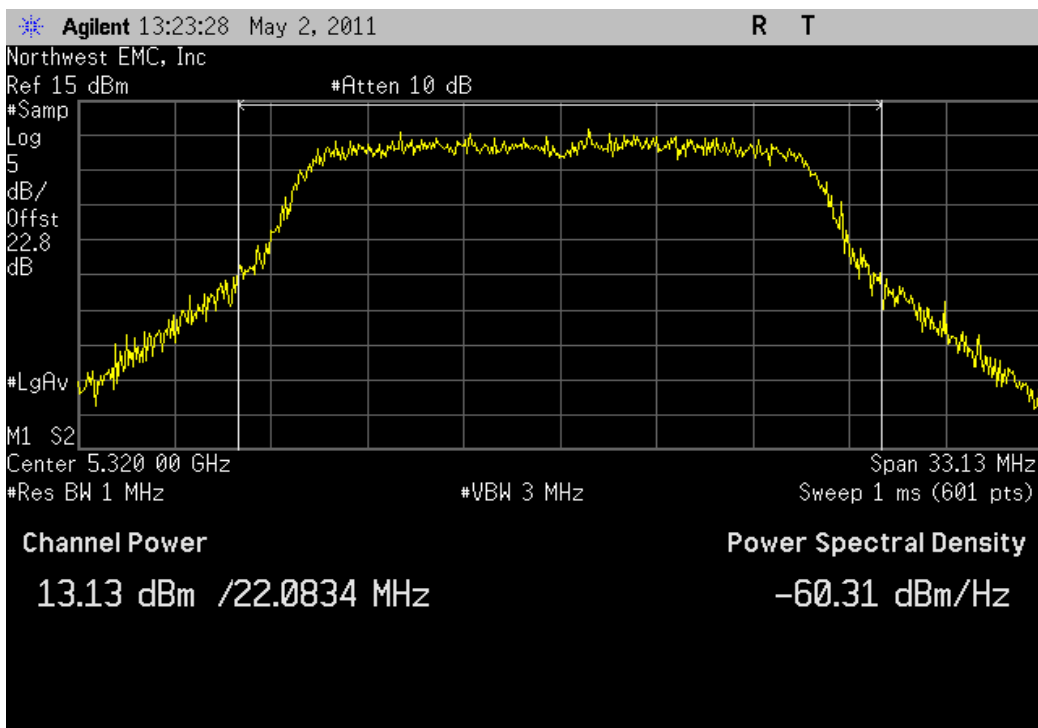
802.11(n) MCS7, 5250 - 5350 MHz Band, Channel 52, Low Channel

Value	Limit	Result
13.429 dBm	< 17 dBm	Pass



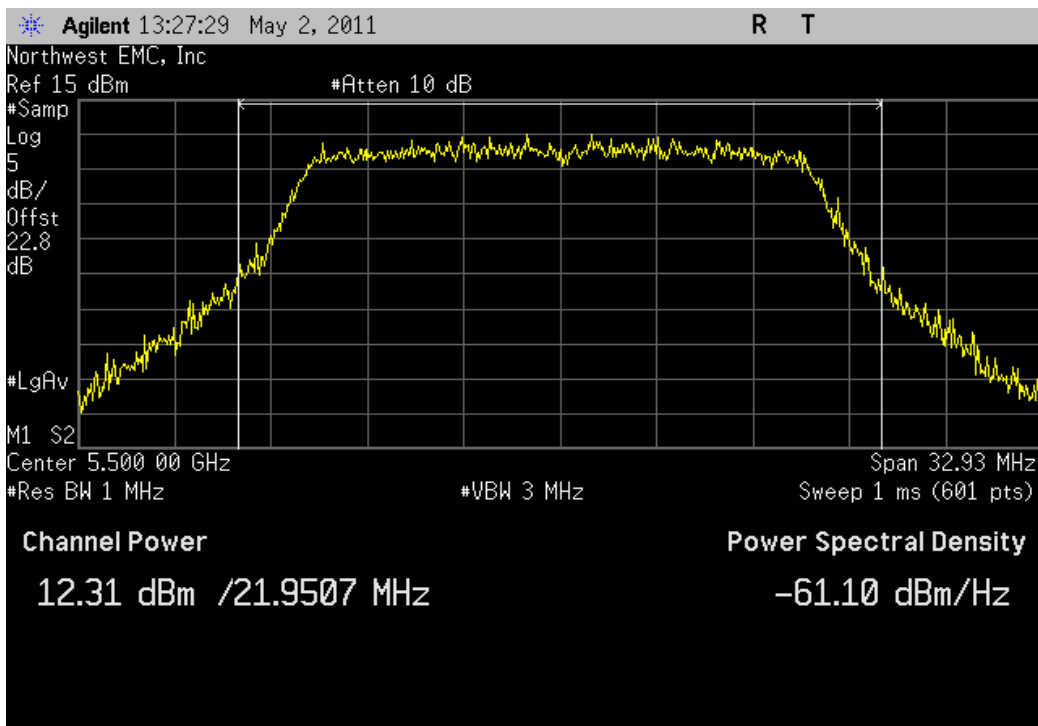
802.11(n) MCS7, 5250 - 5350 MHz Band, Channel 64, High Channel

Value	Limit	Result
13.135 dBm	< 17 dBm	Pass



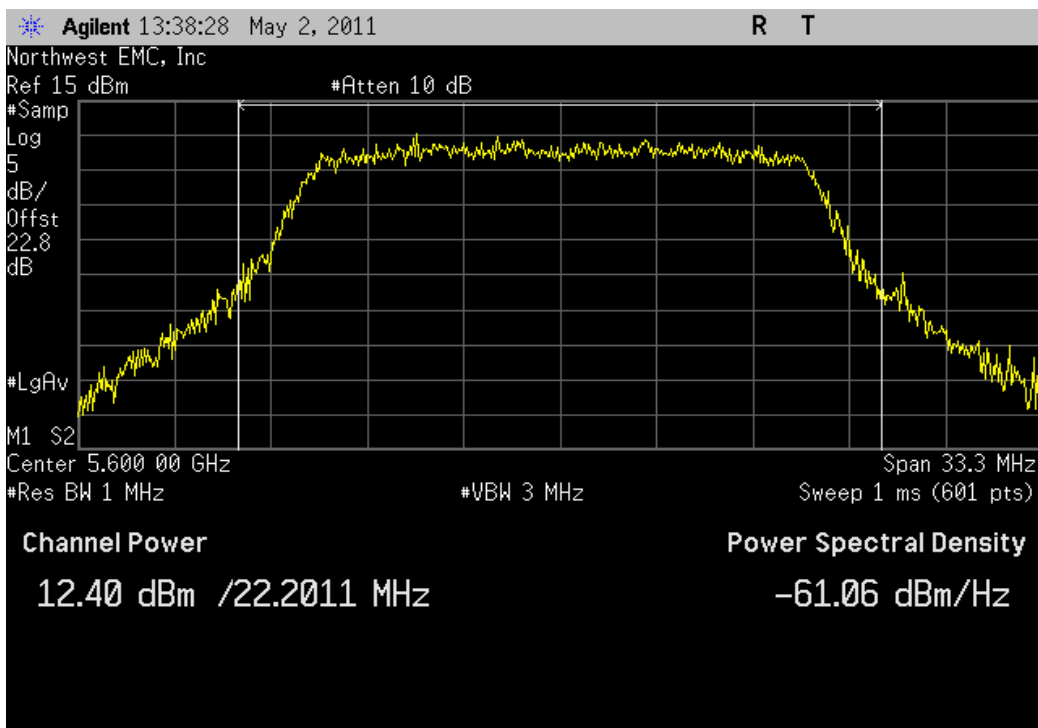
802.11(n) MCS7, 5470 - 5725 MHz Band, Channel 100, Low Channel

Value	Limit	Result
12.311 dBm	< 17 dBm	Pass



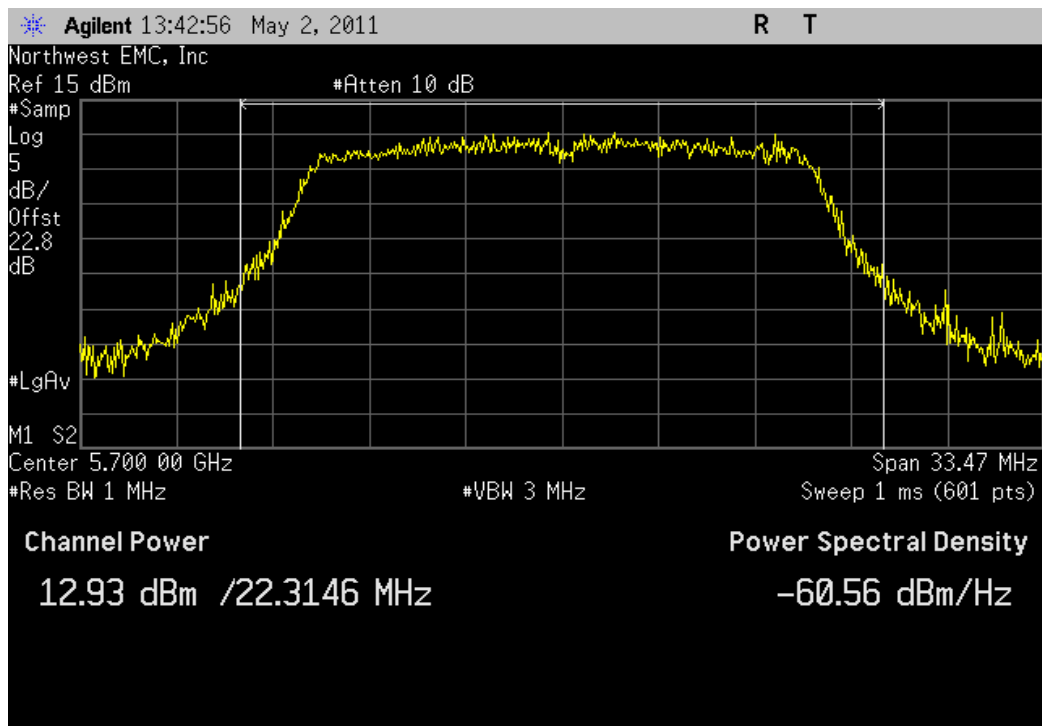
802.11(n) MCS7, 5470 - 5725 MHz Band, Channel 120, Mid Channel

Value	Limit	Result
12.405 dBm	< 17 dBm	Pass



802.11(n) MCS7, 5470 - 5725 MHz Band, Channel 140, High Channel

Value	Limit	Result
12.929 dBm	< 17 dBm	Pass



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
DC Power Supply	EZ Digital Co	GP-4303D	TPY	NCR	0
Multimeter	Fluke	114	MMU	7/13/2009	24
Chamber, Temp./Humidity Chamber	Cincinnati Sub Zero (CSZ)	ZPH-32-3.5-SCT/AC	TBE	12/29/2009	24
Spectrum Analyzer	Agilent	E4440A	AFA	2/9/2010	15

MEASUREMENT UNCERTAINTY

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 for radiated emissions measurements is less than +/- 4 dB, and for conducted emissions measurements is less than +/- 2.7 dB. Our measurement data meets or exceeds the measurement uncertainty requirements of CISPR 16-4; therefore, the test data can be compared directly to the specification limit to determine compliance. The calculations for measurement uncertainty are available upon request.

TEST DESCRIPTION

Variation of Supply Voltage

The primary supply voltage was varied from 85% to 115% of nominal.

Variation of Ambient Temperature

Using a temperature chamber, the transmit frequency was recorded at the extremes of the specified temperature range (-30° to +50° C) and at 10°C intervals.

Measurements were made at the single transmit frequency. The antenna is integral to the EUT, so a radiated measurement was made using a spectrum analyzer and a near field probe. The spectrum analyzer is equipped with a precision frequency reference that exceeds the stability requirement of the EUT.

NORTHWEST		Frequency Stability				XMIT 2010.11.03	
EMC							
EUT: RLXIB-IHN				Work Order:		PROS0095	
Serial Number: 00-0D-8D-F0-3C-75				Date:		05/02/11	
Customer: ProSoft Technology, Inc.				Temperature:		23.38°C	
Attendees: None				Humidity:		18%	
Project: None				Barometric Pres.:		1017.4	
Tested by: Jaemi Suh			Power: 24 VDC		Job Site:		OC13
TEST SPECIFICATIONS				TEST METHOD			
FCC 15.407:2011				ANSI C63.10:2009			
COMMENTS							
Antenna Port A. Antenna Power Level Set to 14.							
DEVIATIONS FROM TEST STANDARD							
No Deviations							
Configuration #		1		Signature 			
				Value (MHz)	Error (ppm)	Limit (ppm)	Results
Assigned Frequency							
+20°							
		Channel 52	5260.000000	N/A	N/A	N/A	
		Channel 64	5320.000000	N/A	N/A	N/A	
		Channel 100	5500.000000	N/A	N/A	N/A	
		Channel 120	5600.000000	N/A	N/A	N/A	
		Channel 140	5700.000000	N/A	N/A	N/A	
Voltage Variation							
27.6 Vdc (115%)							
		Channel 52	5259.977371	4.3	100	Pass	
		Channel 64	5319.978035	4.1	100	Pass	
		Channel 100	5499.977395	4.1	100	Pass	
		Channel 120	5599.977328	4.0	100	Pass	
		Channel 140	5699.97751	3.9	100	Pass	
24 Vdc (100%)							
		Channel 52	5259.977304	4.3	100	Pass	
		Channel 64	5319.977582	4.2	100	Pass	
		Channel 100	5499.986898	2.4	100	Pass	
		Channel 120	5599.988258	2.1	100	Pass	
		Channel 140	5699.988244	2.1	100	Pass	
20.4 Vdc (85%)							
		Channel 52	5259.990833	1.7	100	Pass	
		Channel 64	5319.990377	1.8	100	Pass	
		Channel 100	5499.989586	1.9	100	Pass	
		Channel 120	5599.989328	1.9	100	Pass	
		Channel 140	5699.989497	1.8	100	Pass	
Temperature Variation							
+50°							
		Channel 52	5259.979	4.0	100	Pass	
		Channel 64	5319.978673	4.0	100	Pass	
		Channel 100	5499.977779	4.0	100	Pass	
		Channel 120	5599.976577	4.2	100	Pass	
		Channel 140	5699.97607	4.2	100	Pass	
+40°							
		Channel 52	5259.979137	4.0	100	Pass	
		Channel 64	5319.978802	4.0	100	Pass	
		Channel 100	5499.977811	4.0	100	Pass	
		Channel 120	5599.977445	4.0	100	Pass	
		Channel 140	5699.97711	4.0	100	Pass	
+30°							
		Channel 52	5259.97877	4.0	100	Pass	
		Channel 64	5319.978557	4.0	100	Pass	
		Channel 100	5499.977728	4.0	100	Pass	
		Channel 120	5599.977445	4.0	100	Pass	
		Channel 140	5699.977272	4.0	100	Pass	
+20°							
		Channel 52	5259.977649	4.2	100	Pass	
		Channel 64	5319.977398	4.2	100	Pass	
		Channel 100	5499.976644	4.2	100	Pass	
		Channel 120	5599.976209	4.2	100	Pass	
		Channel 140	5699.975737	4.3	100	Pass	
+10°							
		Channel 52	5259.989164	2.1	100	Pass	
		Channel 64	5319.988121	2.2	100	Pass	
		Channel 100	5499.985997	2.5	100	Pass	
		Channel 120	5599.985517	2.6	100	Pass	
		Channel 140	5699.984017	2.8	100	Pass	
0°							
		Channel 52	5259.995161	0.9	100	Pass	
		Channel 64	5319.993657	1.2	100	Pass	
		Channel 100	5499.993409	1.2	100	Pass	
		Channel 120	5599.993289	1.2	100	Pass	
		Channel 140	5699.99272	1.3	100	Pass	
-10°							
		Channel 52	5260.006113	1.2	100	Pass	
		Channel 64	5320.005254	1.0	100	Pass	
		Channel 100	5500.00534	1.0	100	Pass	
		Channel 120	5600.005301	0.9	100	Pass	
		Channel 140	5700.004772	0.8	100	Pass	
-20°							
		Channel 52	5260.007799	1.5	100	Pass	
		Channel 64	5320.007659	1.4	100	Pass	
		Channel 100	5500.007358	1.3	100	Pass	
		Channel 120	5600.007871	1.4	100	Pass	
		Channel 140	5700.008299	1.5	100	Pass	
-30°							
		Channel 52	5260.009869	1.9	100	Pass	
		Channel 64	5320.009996	1.9	100	Pass	
		Channel 100	5500.010445	1.9	100	Pass	
		Channel 120	5600.010671	1.9	100	Pass	
		Channel 140	5700.010937	1.9	100	Pass	

EMC**SPURIOUS RADIATED 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. The test data represents the configuration / operating mode/ model that produced the highest emission levels as compared to the specification limit.

MODES OF OPERATION

Channel 52, Low Channel, 5260 MHz.
 Channel 64, High Channel, 5320 MHz.
 Channel 100, Low Channel, 5500 MHz.
 Channel 120, Mid Channel, 5600 MHz.
 Channel 140, High Channel, 5700 MHz.

DATA RATES INVESTIGATED

6 Mbps
 36 Mbps
 54 Mbps
 MCS0
 MCS7

EUT ORIENTATION INVESTIGATED

X-Axis
 Y-Axis
 Z-Axis

POWER SETTINGS INVESTIGATED

120VAC/60Hz

CONFIGURATIONS INVESTIGATED

PROS0095 - 2

FREQUENCY RANGE INVESTIGATED

Start Frequency	30 MHz	Stop Frequency	40 GHz
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CLOCKS AND OSCILLATORS

5260 MHz, 5320 MHz, 5500 MHz, 5600 MHz, 5700 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
Pre-Amplifier	Miteq	AMF-6F-18002650-25-10P	AOI	4/29/2011	12 mo
Antenna, Horn	EMCO	3160-09	AHN	NCR	0 mo
OC floating Cable	N/A	18-26GHz RE Cables	OCK	4/29/2011	12 mo
Pre-Amplifier	Miteq	AMF-6F-12001800-30-10P	AOF	11/17/2010	12 mo
Antenna, Horn	ETS	3160-08	AHT	NCR	0 mo
Pre-Amplifier	Miteq	AMF-6F-08001200-30-10P	AOE	11/17/2010	12 mo
Antenna, Horn	ETS	3160-07	AHR	NCR	0 mo
OC 10 Cables	N/A	12-18GHz RE Cables	OCO	3/26/2010	15 mo
Pre-Amplifier	Miteq	AMF-4D-010120-30-10P-1	AOP	3/26/2010	15 mo
Antenna, Horn	EMCO	3115	AHB	3/8/2011	24 mo
OC10 Cables	N/A	1-8GHz RE Cables	OCJ	3/26/2010	15 mo
Antenna, Biconilog	EMCO	3142	AXJ	3/24/2010	24 mo
OC10 Cables	N/A	10kHz-1GHz RE Cables	OCH	4/1/2010	15 mo
Pre-Amplifier	Miteq	AM-1616-1000	AOM	4/1/2010	15 mo
Spectrum Analyzer	Agilent	E4446A	AAY	1/11/2011	12 mo
Antenna, Horn	ETS	3160-10	AIX	NCR	0 mo
Cable	ESM Cable Corp	KMKM-72	EVZ	10/20/2010	12 mo
Pre-Amplifier	Miteq	JSW45-26004000-40-5P	AVQ	9/7/2010	12 mo

MEASUREMENT BANDWIDTHS

	Frequency Range	Peak Data	Quasi-Peak Data	Average Data
	(MHz)	(kHz)	(kHz)	(kHz)
	0.01 - 0.15	1.0	0.2	0.2
	0.15 - 30.0	10.0	9.0	9.0
	30.0 - 1000	100.0	120.0	120.0
	Above 1000	1000.0	N/A	1000.0

Measurements were made using the IF bandwidths and detectors specified. No video filter was used, except in the case of the FCC Average Measurements above 1GHz. In that case, a peak detector with a 10Hz video bandwidth was used.

MEASUREMENT UNCERTAINTY

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 for radiated emissions measurements is less than +/- 4 dB, and for conducted emissions measurements is less than +/- 2.7 dB. Our measurement data meets or exceeds the measurement uncertainty requirements of CISPR 16-4; therefore, the test data can be compared directly to the specification limit to determine compliance. The calculations for measurement uncertainty are available upon request.

TEST DESCRIPTION

The antennas to be used with the EUT were tested. The EUT was transmitting and receiving while set at the channel available. While scanning, emissions from the EUT were maximized by rotating the EUT, adjusting the measurement antenna height and orientation in 3 orthogonal plane, and manipulating the EUT antenna in 3 orthogonal planes (per ANSI C63.10:2009). An active loop antenna was used for this test in order to provide sufficient measurement sensitivity.

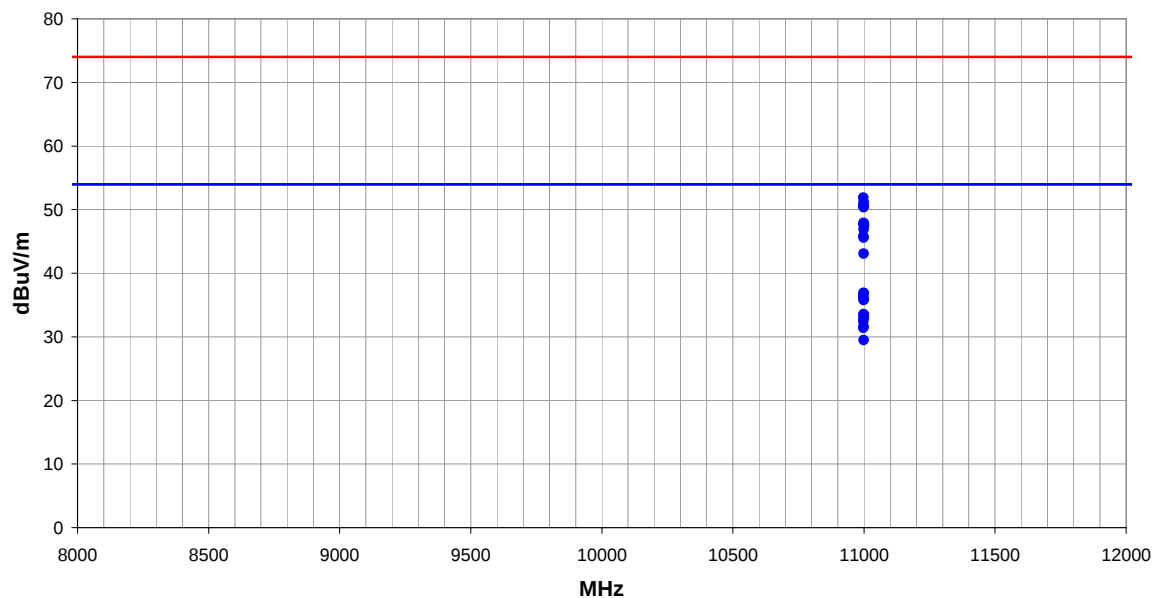
EMC

SPURIOUS RADIATED EMISSIONS

Work Order:	PROS0095	Date:	05/05/11	
Project:	None	Temperature:	21.48	
Job Site:	OC10	Humidity:	22.48	
Serial Number:	00-0D-8D-FQ-3C-75	Barometric Pres.:	1014.4	
				Tested by: Jaemi Suh
EUT:	RLXIB-IHN			
Configuration:	2			
Customer:	ProSoft Technology, Inc.			
Attendees:	None			
EUT Power:	120VAC/60Hz			
Operating Mode:	Channel 100, Low Channel, 5500 MHz.			
Deviations:	None			
Comments:	Antenna Port A Only. Antenna Power Level set to 14 on the software. See comments for data rate and EUT orientation.			

Test Specifications
FCC 15.209:2011Test Method
ANSI C63.10:2009

Run #	18	Test Distance (m)	3	Antenna Height(s)	1-4m	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
10998.670	45.8	-8.9	1.0	20.0	3.0	0.0	Vert	AV	0.0	36.9	54.0	-17.1	36 Mbps X-Axis
10998.860	45.8	-8.9	1.0	15.0	3.0	0.0	Horz	AV	0.0	36.9	54.0	-17.1	36 Mbps Z-Axis
10998.130	45.3	-8.9	1.0	17.0	3.0	0.0	Vert	AV	0.0	36.4	54.0	-17.6	6 Mbps
10998.420	45.1	-8.9	1.0	23.0	3.0	0.0	Vert	AV	0.0	36.2	54.0	-17.8	54 Mbps
10998.570	44.8	-8.9	1.0	43.0	3.0	0.0	Vert	AV	0.0	35.9	54.0	-18.1	36 Mbps Y-Axis
10998.560	44.7	-8.9	1.0	20.0	3.0	0.0	Vert	AV	0.0	35.8	54.0	-18.2	MCS0
10998.980	42.5	-8.9	1.1	349.0	3.0	0.0	Horz	AV	0.0	33.6	54.0	-20.4	54 Mbps
10999.390	42.4	-8.9	1.0	300.0	3.0	0.0	Horz	AV	0.0	33.5	54.0	-20.5	6 Mbps
10998.750	42.0	-8.9	1.0	343.0	3.0	0.0	Horz	AV	0.0	33.1	54.0	-20.9	MCS7
10999.290	41.7	-8.9	1.0	303.0	3.0	0.0	Horz	AV	0.0	32.8	54.0	-21.2	MCS0
10998.170	41.3	-8.9	1.0	342.0	3.0	0.0	Horz	AV	0.0	32.4	54.0	-21.6	36 Mbps X-Axis
10998.170	60.8	-8.9	1.0	20.0	3.0	0.0	Vert	PK	0.0	51.9	74.0	-22.1	36 Mbps X-Axis
10998.550	40.5	-8.9	1.0	318.0	3.0	0.0	Horz	AV	0.0	31.6	54.0	-22.4	36 Mbps Y-Axis
10998.430	40.3	-8.9	1.0	351.0	3.0	0.0	Vert	AV	0.0	31.4	54.0	-22.6	MCS7
10998.870	60.1	-8.9	1.0	15.0	3.0	0.0	Horz	PK	0.0	51.2	74.0	-22.8	36 Mbps Z-Axis
10998.430	59.7	-8.9	1.0	17.0	3.0	0.0	Vert	PK	0.0	50.8	74.0	-23.2	6 Mbps
10998.030	59.5	-8.9	1.0	20.0	3.0	0.0	Vert	PK	0.0	50.6	74.0	-23.4	MCS0
10998.710	59.4	-8.9	1.0	43.0	3.0	0.0	Vert	PK	0.0	50.5	74.0	-23.5	36 Mbps Y-Axis
10998.570	59.3	-8.9	1.0	23.0	3.0	0.0	Vert	PK	0.0	50.4	74.0	-23.6	54 Mbps
10998.580	38.4	-8.9	1.0	311.0	3.0	0.0	Vert	AV	0.0	29.5	54.0	-24.5	36 Mbps X-Axis
10998.610	56.8	-8.9	1.0	343.0	3.0	0.0	Horz	PK	0.0	47.9	74.0	-26.1	MCS7
10998.810	56.7	-8.9	1.1	349.0	3.0	0.0	Horz	PK	0.0	47.8	74.0	-26.2	54 Mbps
10998.690	56.5	-8.9	1.0	300.0	3.0	0.0	Horz	PK	0.0	47.6	74.0	-26.4	6 Mbps
10999.930	56.4	-8.9	1.0	342.0	3.0	0.0	Horz	PK	0.0	47.5	74.0	-26.5	36 Mbps X-Axis
10999.010	55.8	-8.9	1.0	303.0	3.0	0.0	Horz	PK	0.0	46.9	74.0	-27.1	MCS0
10998.020	54.7	-8.9	1.0	318.0	3.0	0.0	Horz	PK	0.0	45.8	74.0	-28.2	36 Mbps Y-Axis
10999.390	54.5	-8.9	1.0	351.0	3.0	0.0	Vert	PK	0.0	45.6	74.0	-28.4	MCS7
10999.290	52.0	-8.9	1.0	311.0	3.0	0.0	Vert	PK	0.0	43.1	74.0	-30.9	36 Mbps Z-Axis

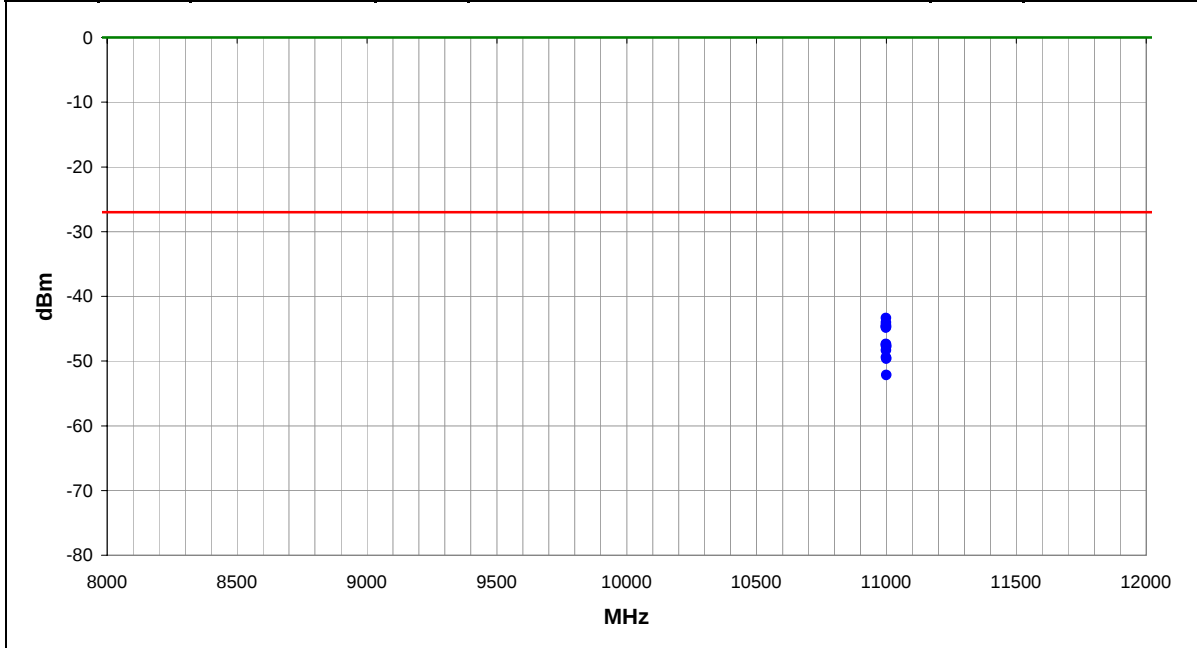
EMC

SPURIOUS RADIATED EMISSIONS

Work Order:	PROS0095	Date:	05/05/11	
Project:	None	Temperature:	21.48	
Job Site:	OC10	Humidity:	22.48	
Serial Number:	00-0D-8D-FQ-3C-75	Barometric Pres.:	1014.4	
				Tested by: Jaemi Suh
EUT:	RLXIB-IHN			
Configuration:	2			
Customer:	ProSoft Technology, Inc.			
Attendees:	None			
EUT Power:	120VAC/60Hz			
Operating Mode:	Channel 100, Low Channel, 5500 MHz.			
Deviations:	None			
Comments:	Antenna Port A Only. Antenna Power Level set to 14 on the software. See comments for data rate and EUT orientation.			

Test Specifications	na	Test Method
FCC 15.209:2011		ANSI C63.10: 2009

Run #	18	Test Distance (m)	3	Antenna Height(s)	1-4m	Results	Pass
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Freq (MHz)			Antenna Height (meters)	Azimuth (degrees)			Polarity/ Transducer Type	Detector	EIRP (Watts)	EIRP (dBm)	Spec. Limit (dBm)	Compared to Spec. (dB)	Comments
10998.170			1.0	20.0			Vert	PK	4.63E-08	-43.3	-27.0	-16.3	36 Mbps X-Axis
10998.870			1.0	15.0			Horz	PK	3.94E-08	-44.0	-27.0	-17.0	36 Mbps Z-Axis
10998.430			1.0	17.0			Vert	PK	3.59E-08	-44.4	-27.0	-17.4	6 Mbps
10998.030			1.0	20.0			Vert	PK	3.43E-08	-44.6	-27.0	-17.6	MCS0
10998.710			1.0	43.0			Vert	PK	3.35E-08	-44.7	-27.0	-17.7	36 Mbps Y-Axis
10998.570			1.0	23.0			Vert	PK	3.28E-08	-44.8	-27.0	-17.8	54 Mbps
10998.610			1.0	343.0			Horz	PK	1.84E-08	-47.3	-27.0	-20.3	MCS7
10998.810			1.1	349.0			Horz	PK	1.80E-08	-47.4	-27.0	-20.4	54 Mbps
10998.690			1.0	300.0			Horz	PK	1.72E-08	-47.6	-27.0	-20.6	6 Mbps
10999.930			1.0	342.0			Horz	PK	1.68E-08	-47.7	-27.0	-20.7	36 Mbps X-Axis
10999.010			1.0	303.0			Horz	PK	1.46E-08	-48.3	-27.0	-21.3	MCS0
10998.020			1.0	318.0			Horz	PK	1.14E-08	-49.4	-27.0	-22.4	36 Mbps Y-Axis
10999.390			1.0	351.0			Vert	PK	1.08E-08	-49.6	-27.0	-22.6	MCS7
10999.290			1.0	311.0			Vert	PK	6.10E-09	-52.1	-27.0	-25.1	36 Mbps Z-Axis

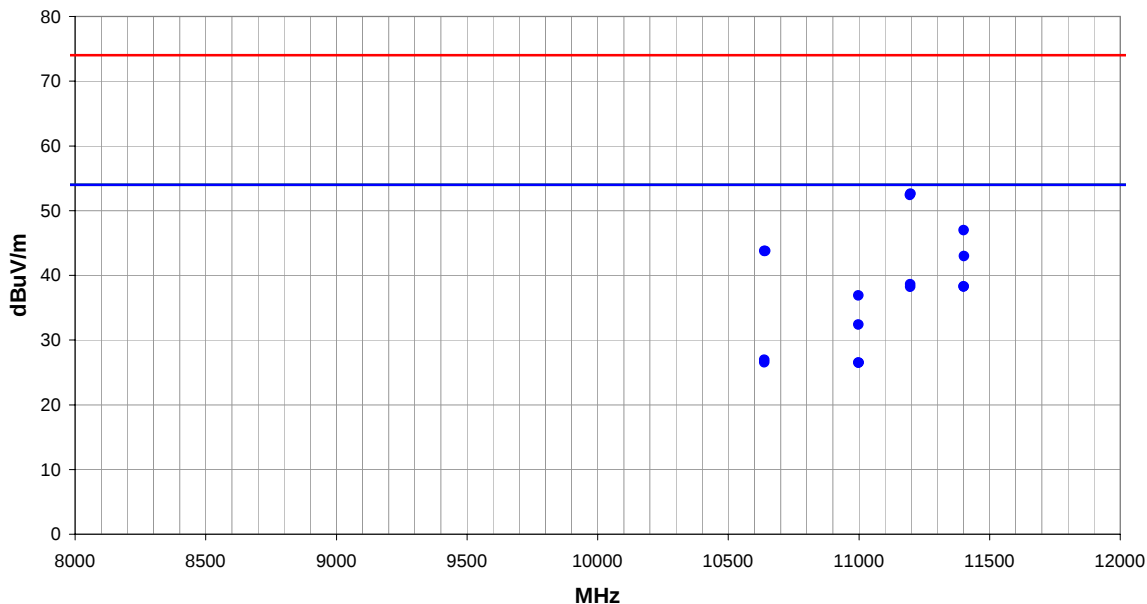
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SPURIOUS RADIATED EMISSIONS

Work Order:	PROS0095	Date:	05/05/11	
Project:	None	Temperature:	21.48	
Job Site:	OC10	Humidity:	22.48	
Serial Number:	00-0D-8D-FQ-3C-75	Barometric Pres.:	1014.4	Tested by: Jaemi Suh
EUT:	RLXIB-IHN			
Configuration:	2			
Customer:	ProSoft Technology, Inc.			
Attendees:	None			
EUT Power:	120VAC/60Hz			
Operating Mode:	36 Mbps, X-Axis			
Deviations:	None			
Comments:	Antenna Port A Only. Antenna Power Level set to 14 on the software. See comments for channel.			

Test Specifications
FCC 15.209:2011Test Method
ANSI C63.10:2009

Run #	21	Test Distance (m)	3	Antenna Height(s)	1-4m	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
11401.690	56.2	-9.2	1.0	337.0	3.0	0.0	Horz	PK	0.0	47.0	54.0	-7.0	Channel 140, 5700 MHz
10641.880	52.2	-8.4	1.0	100.0	3.0	0.0	Horz	PK	0.0	43.8	54.0	-10.2	Channel 64, 5320 MHz
10638.340	52.2	-8.4	1.0	120.0	3.0	0.0	Vert	PK	0.0	43.8	54.0	-10.2	Channel 64, 5320 MHz
11401.760	52.2	-9.2	1.0	5.0	3.0	0.0	Vert	PK	0.0	43.0	54.0	-11.0	Channel 140, 5700 MHz
11196.060	47.9	-9.3	1.2	292.0	3.0	0.0	Horz	PK	0.0	38.6	54.0	-15.4	Channel 120, 5600 MHz
11401.690	47.5	-9.2	1.0	5.0	3.0	0.0	Vert	AV	0.0	38.3	54.0	-15.7	Channel 140, 5700 MHz
11401.630	47.5	-9.2	1.0	337.0	3.0	0.0	Horz	AV	0.0	38.3	54.0	-15.7	Channel 140, 5700 MHz
11196.950	47.5	-9.3	1.2	41.0	3.0	0.0	Vert	PK	0.0	38.2	54.0	-15.8	Channel 120, 5600 MHz
10998.670	45.8	-8.9	1.0	20.0	3.0	0.0	Vert	AV	0.0	36.9	54.0	-17.1	Channel 100, 5500 MHz
11197.230	61.9	-9.3	1.2	41.0	3.0	0.0	Vert	PK	0.0	52.6	74.0	-21.4	Channel 120, 5600 MHz
11195.930	61.7	-9.3	1.2	292.0	3.0	0.0	Horz	PK	0.0	52.4	74.0	-21.6	Channel 120, 5600 MHz
10998.170	41.3	-8.9	1.0	342.0	3.0	0.0	Horz	AV	0.0	32.4	54.0	-21.6	Channel 100, 5500 MHz
10638.020	35.4	-8.4	1.0	120.0	3.0	0.0	Vert	AV	0.0	27.0	54.0	-27.0	Channel 64, 5320 MHz
10638.090	35.0	-8.4	1.0	100.0	3.0	0.0	Horz	AV	0.0	26.6	54.0	-27.4	Channel 64, 5320 MHz
10998.170	35.4	-8.9	1.0	20.0	3.0	0.0	Vert	AV	0.0	26.5	54.0	-27.5	Channel 100, 5500 MHz
10999.930	35.4	-8.9	1.0	342.0	3.0	0.0	Horz	AV	0.0	26.5	54.0	-27.5	Channel 100, 5500 MHz

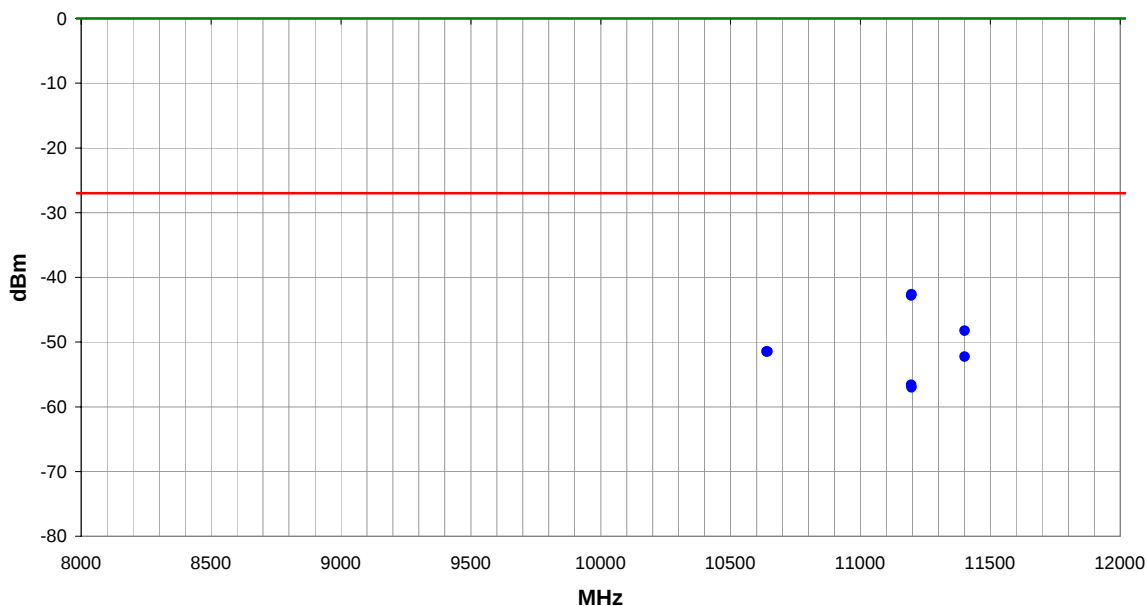
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SPURIOUS RADIATED EMISSIONS

Work Order:	PROS0095	Date:	05/05/11	
Project:	None	Temperature:	21.48	
Job Site:	OC10	Humidity:	22.48	
Serial Number:	00-0D-8D-FQ-3C-75	Barometric Pres.:	1014.4	
		Tested by:		Jaemi Suh
EUT:	RLXIB-IHN			
Configuration:	2			
Customer:	ProSoft Technology, Inc.			
Attendees:	None			
EUT Power:	120VAC/60Hz			
Operating Mode:	36 Mbps, X-Axis			
Deviations:	None			
Comments:	Antenna Port A Only. Antenna Power Level set to 14 on the software. See comments for channel.			

Test Specifications
FCC 15.209:2011Test Method
ANSI C63.10: 2009

Run #	21	Test Distance (m)	3	Antenna Height(s)	1-4m	Results	Pass
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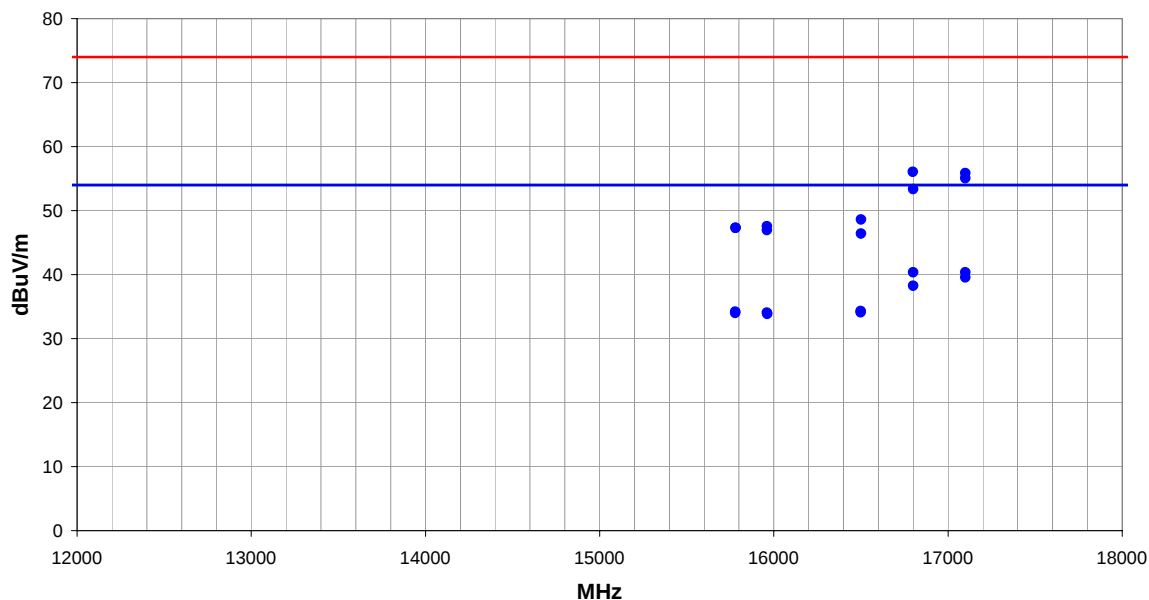
Freq (MHz)			Antenna Height (meters)	Azimuth (degrees)			Polarity/ Transducer Type	Detector	EIRP (Watts)	EIRP (dBm)	Spec. Limit (dBm)	Compared to Spec. (dB)	Comments
11401.690			1.0	337.0			Horz	PK	1.50E-08	-48.2	-27.0	-21.2	Channel 140, 5700 MHz
10641.880			1.0	100.0			Horz	PK	7.15E-09	-51.5	-27.0	-24.5	Channel 64, 5320 MHz
10638.340			1.0	120.0			Vert	PK	7.14E-09	-51.5	-27.0	-24.5	Channel 64, 5320 MHz
11401.760			1.0	5.0			Vert	PK	5.96E-09	-52.2	-27.0	-25.2	Channel 140, 5700 MHz
11196.060			1.2	292.0			Horz	PK	2.18E-09	-56.6	-27.0	-29.6	Channel 120, 5600 MHz
11196.950			1.2	41.0			Vert	PK	1.99E-09	-57.0	-27.0	-30.0	Channel 120, 5600 MHz
11197.230			1.2	41.0			Vert	PK	5.47E-08	-42.6	-27.0	-15.6	Channel 120, 5600 MHz
11195.930			1.2	292.0			Horz	PK	5.23E-08	-42.8	-27.0	-15.8	Channel 120, 5600 MHz

EMC**SPURIOUS RADIATED EMISSIONS**

Work Order:	PROS0095	Date:	05/05/11	
Project:	None	Temperature:	21.48	
Job Site:	OC10	Humidity:	22.48	
Serial Number:	00-0D-8D-FQ-3C-75	Barometric Pres.:	1014.4	
		Tested by:		Jaemi Suh
EUT:	RLXIB-IHN			
Configuration:	2			
Customer:	ProSoft Technology, Inc.			
Attendees:	None			
EUT Power:	120VAC/60Hz			
Operating Mode:	36 Mbps, X-Axis.			
Deviations:	None			
Comments:	Antenna Port A Only. Antenna Power Level set to 14 on the software. See comments for channel.			

Test Specifications
FCC 15.209:2011**Test Method**
ANSI C63.10:2009

Run #	23	Test Distance (m)	3	Antenna Height(s)	1-4m	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
16800.090	33.7	6.7	1.0	346.0	3.0	0.0	Vert	AV	0.0	40.4	54.0	-13.6	Channel 120, 5600 MHz
17100.140	33.9	6.4	1.1	350.0	3.0	0.0	Vert	AV	0.0	40.3	54.0	-13.7	Channel 140, 5700 MHz
17099.420	33.1	6.4	1.0	344.0	3.0	0.0	Horz	AV	0.0	39.5	54.0	-14.5	Channel 140, 5700 MHz
16800.480	31.6	6.7	1.0	343.0	3.0	0.0	Horz	AV	0.0	38.3	54.0	-15.7	Channel 120, 5600 MHz
16798.370	49.4	6.7	1.0	346.0	3.0	0.0	Vert	PK	0.0	56.1	74.0	-17.9	Channel 120, 5600 MHz
17099.900	49.4	6.4	1.1	350.0	3.0	0.0	Vert	PK	0.0	55.8	74.0	-18.2	Channel 140, 5700 MHz
17099.700	48.6	6.4	1.0	344.0	3.0	0.0	Horz	PK	0.0	55.0	74.0	-19.0	Channel 140, 5700 MHz
16498.520	27.7	6.6	1.0	87.0	3.0	0.0	Vert	AV	0.0	34.3	54.0	-19.7	Channel 100, 5500 MHz
15778.660	27.6	6.6	1.0	122.0	3.0	0.0	Vert	AV	0.0	34.2	54.0	-19.8	Channel 52, 5260 MHz
16499.720	27.5	6.6	1.0	88.0	3.0	0.0	Horz	AV	0.0	34.1	54.0	-19.9	Channel 100, 5500 MHz
15961.150	27.3	6.7	1.0	4.0	3.0	0.0	Vert	AV	0.0	34.0	54.0	-20.0	Channel 64, 5600 MHz
15778.330	27.4	6.6	1.0	80.0	3.0	0.0	Horz	AV	0.0	34.0	54.0	-20.0	Channel 52, 5260 MHz
15961.930	27.1	6.7	1.0	191.0	3.0	0.0	Horz	AV	0.0	33.8	54.0	-20.2	Channel 64, 5600 MHz
16800.670	46.7	6.7	1.0	343.0	3.0	0.0	Horz	PK	0.0	53.4	74.0	-20.6	Channel 120, 5600 MHz
16501.370	42.0	6.6	1.0	87.0	3.0	0.0	Vert	PK	0.0	48.6	74.0	-25.4	Channel 100, 5500 MHz
15961.510	40.8	6.7	1.0	4.0	3.0	0.0	Vert	PK	0.0	47.5	74.0	-26.5	Channel 64, 5600 MHz
15781.650	40.7	6.6	1.0	122.0	3.0	0.0	Vert	PK	0.0	47.3	74.0	-26.7	Channel 52, 5260 MHz
15780.420	40.7	6.6	1.0	80.0	3.0	0.0	Horz	PK	0.0	47.3	74.0	-26.7	Channel 52, 5260 MHz
15961.160	40.2	6.7	1.0	191.0	3.0	0.0	Horz	PK	0.0	46.9	74.0	-27.1	Channel 64, 5600 MHz
16501.570	39.8	6.6	1.0	88.0	3.0	0.0	Horz	PK	0.0	46.4	74.0	-27.6	Channel 100, 5500 MHz

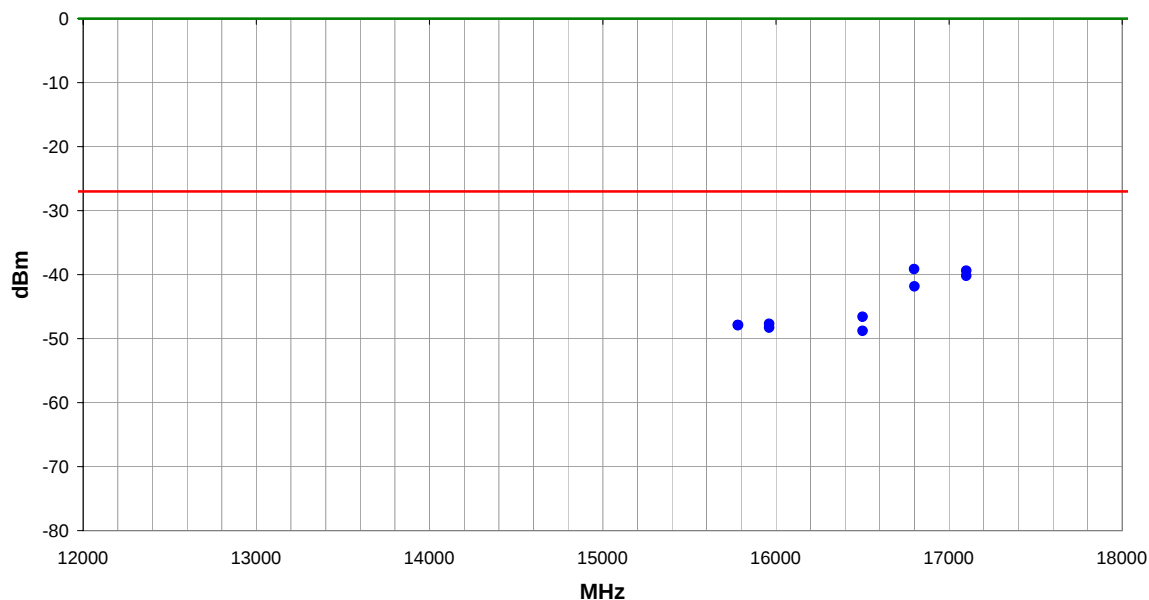
EMC**SPURIOUS RADIATED EMISSIONS**

Work Order:	PROS0095	Date:	05/05/11	
Project:	None	Temperature:	21.48	
Job Site:	OC10	Humidity:	22.48	
Serial Number:	00-0D-8D-FQ-3C-75	Barometric Pres.:	1014.4	
			Tested by:	Jaemi Suh
EUT:	RLXIB-IHN			
Configuration:	2			
Customer:	ProSoft Technology, Inc.			
Attendees:	None			
EUT Power:	120VAC/60Hz			
Operating Mode:	36 Mbps, X-Axis.			
Deviations:	None			
Comments:	Antenna Port A Only. Antenna Power Level set to 14 on the software. See comments for channel.			

Test Specifications
FCC 15.209:2011

Test Method
ANSI C63.10: 2009

Run #	23	Test Distance (m)	3	Antenna Height(s)	1-4m	Results	Pass
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Freq (MHz)	Antenna Height (meters)	Azimuth (degrees)	Polarity/ Transducer Type	Detector	EIRP (Watts)	EIRP (dBm)	Spec. Limit (dBm)	Compared to Spec. (dB)	Comments
16798.370	1.0	346.0	Vert	PK	1.21E-07	-39.2	-27.0	-12.2	Channel 120, 5600 MHz
17099.900	1.1	350.0	Vert	PK	1.15E-07	-39.4	-27.0	-12.4	Channel 140, 5700 MHz
17099.700	1.0	344.0	Horz	PK	9.57E-08	-40.2	-27.0	-13.2	Channel 140, 5700 MHz
16800.670	1.0	343.0	Horz	PK	6.51E-08	-41.9	-27.0	-14.9	Channel 120, 5600 MHz
16501.370	1.0	87.0	Vert	PK	2.18E-08	-46.6	-27.0	-19.6	Channel 100, 5500 MHz
15961.510	1.0	4.0	Vert	PK	1.70E-08	-47.7	-27.0	-20.7	Channel 64, 5600 MHz
15781.650	1.0	122.0	Vert	PK	1.61E-08	-47.9	-27.0	-20.9	Channel 52, 5260 MHz
15780.420	1.0	80.0	Horz	PK	1.61E-08	-47.9	-27.0	-20.9	Channel 52, 5260 MHz
15961.160	1.0	191.0	Horz	PK	1.48E-08	-48.3	-27.0	-21.3	Channel 64, 5600 MHz
16501.570	1.0	88.0	Horz	PK	1.31E-08	-48.8	-27.0	-21.8	Channel 100, 5500 MHz

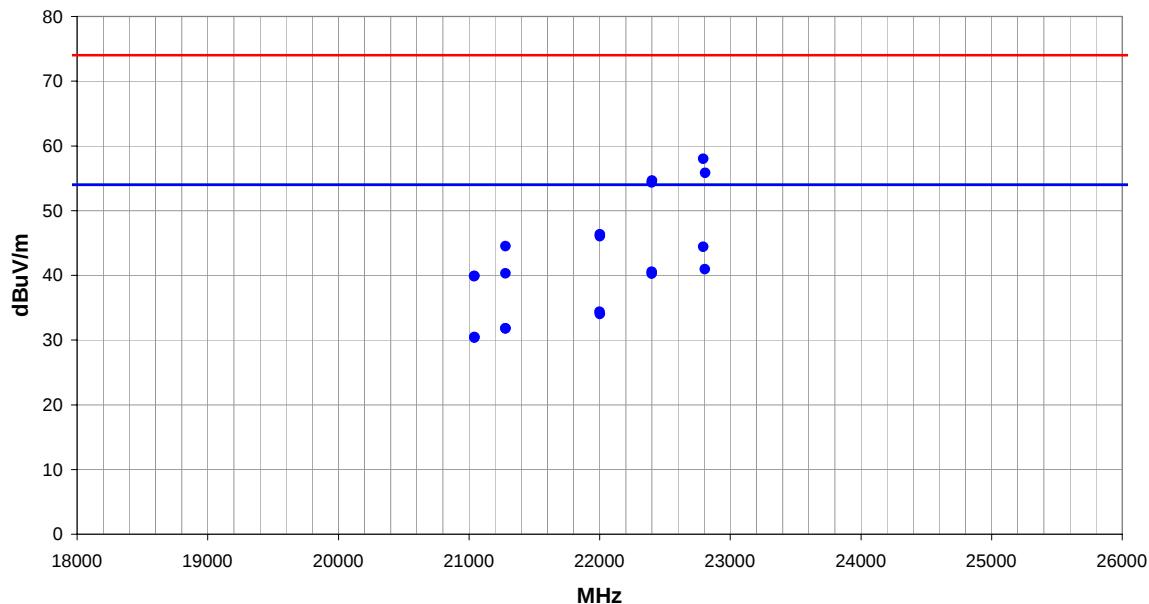
EMC**SPURIOUS RADIATED EMISSIONS**

Work Order:	PROS0095	Date:	05/05/11	
Project:	None	Temperature:	21.48	
Job Site:	OC10	Humidity:	22.48	
Serial Number:	00-0D-8D-FQ-3C-75	Barometric Pres.:	1014.4	Tested by: Jaemi Suh
EUT:	RLXIB-IHN			
Configuration:	2			
Customer:	ProSoft Technology, Inc.			
Attendees:	None			
EUT Power:	120VAC/60Hz			
Operating Mode:	36 Mbps, X-Axis.			
Deviations:	None			
Comments:	Antenna Port A Only. Antenna Power Level set to 14 on the software. See comments for channel.			

Test Specifications
FCC 15.209:2011

Test Method
ANSI C63.10:2009

Run #	30	Test Distance (m)	3	Antenna Height(s)	1-4m	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
22794.160	41.9	2.5	1.0	0.0	3.0	0.0	Vert	AV	0.0	44.4	54.0	-9.6	Channel 140, 5500 MHz
22805.910	38.4	2.5	1.0	0.0	3.0	0.0	Horz	AV	0.0	40.9	54.0	-13.1	Channel 140, 5500 MHz
22398.240	38.0	2.5	1.0	0.0	3.0	0.0	Vert	AV	0.0	40.5	54.0	-13.5	Channel 120, 5600 MHz
21279.950	41.9	-1.6	1.0	0.0	3.0	0.0	Horz	AV	0.0	40.3	54.0	-13.7	Channel 64, 5320 MHz
22400.390	37.7	2.5	1.0	0.0	3.0	0.0	Horz	AV	0.0	40.2	54.0	-13.8	Channel 120, 5600 MHz
21041.130	41.9	-2.0	1.0	0.0	3.0	0.0	Vert	AV	0.0	39.9	54.0	-14.1	Channel 52, 5260 MHz
21039.310	41.9	-2.0	1.0	0.0	3.0	0.0	Horz	AV	0.0	39.9	54.0	-14.1	Channel 52, 5260 MHz
22794.150	55.5	2.5	1.0	0.0	3.0	0.0	Vert	PK	0.0	58.0	74.0	-16.0	Channel 140, 5500 MHz
22807.170	53.3	2.5	1.0	0.0	3.0	0.0	Horz	PK	0.0	55.8	74.0	-18.2	Channel 140, 5500 MHz
22400.670	52.1	2.5	1.0	0.0	3.0	0.0	Horz	PK	0.0	54.6	74.0	-19.4	Channel 120, 5600 MHz
22001.090	32.0	2.3	1.0	0.0	3.0	0.0	Vert	AV	0.0	34.3	54.0	-19.7	Channel 100, 5500 MHz
22399.280	51.8	2.5	1.0	0.0	3.0	0.0	Vert	PK	0.0	54.3	74.0	-19.7	Channel 120, 5600 MHz
22001.830	31.7	2.3	1.0	0.0	3.0	0.0	Horz	AV	0.0	34.0	54.0	-20.0	Channel 100, 5500 MHz
21279.430	33.4	-1.6	1.0	0.0	3.0	0.0	Vert	AV	0.0	31.8	54.0	-22.2	Channel 64, 5320 MHz
21279.320	33.4	-1.6	1.0	0.0	3.0	0.0	Horz	AV	0.0	31.8	54.0	-22.2	Channel 64, 5320 MHz
21041.980	32.5	-2.0	1.0	0.0	3.0	0.0	Vert	AV	0.0	30.5	54.0	-23.5	Channel 52, 5260 MHz
21042.000	32.4	-2.0	1.0	0.0	3.0	0.0	Horz	AV	0.0	30.4	54.0	-23.6	Channel 52, 5260 MHz
22001.240	44.0	2.3	1.0	0.0	3.0	0.0	Horz	PK	0.0	46.3	74.0	-27.7	Channel 100, 5500 MHz
22001.470	43.7	2.3	1.0	0.0	3.0	0.0	Vert	PK	0.0	46.0	74.0	-28.0	Channel 100, 5500 MHz
21279.810	46.1	-1.6	1.0	0.0	3.0	0.0	Vert	PK	0.0	44.5	74.0	-29.5	Channel 64, 5320 MHz

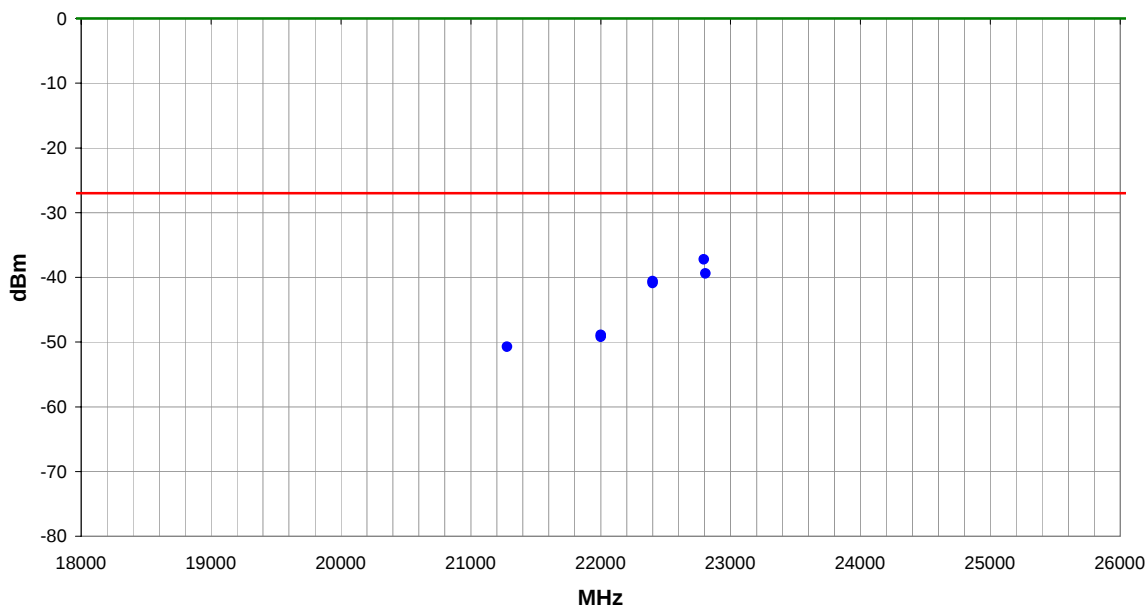
EMC

SPURIOUS RADIATED EMISSIONS

Work Order:	PROS0095	Date:	05/05/11	
Project:	None	Temperature:	21.48	
Job Site:	OC10	Humidity:	22.48	
Serial Number:	00-0D-8D-FQ-3C-75	Barometric Pres.:	1014.4	
		Tested by:		Jaemi Suh
EUT:	RLXIB-IHN			
Configuration:	2			
Customer:	ProSoft Technology, Inc.			
Attendees:	None			
EUT Power:	120VAC/60Hz			
Operating Mode:	36 Mbps, X-Axis.			
Deviations:	None			
Comments:	Antenna Port A Only. Antenna Power Level set to 14 on the software. See comments for channel.			

Test Specifications
FCC 15.209:2011Test Method
ANSI C63.10: 2009

Run #	30	Test Distance (m)	3	Antenna Height(s)	1-4m	Results	Pass
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Freq (MHz)	Antenna Height (meters)	Azimuth (degrees)	Polarity/Transducer Type	Detector	EIRP (Watts)	EIRP (dBm)	Spec. Limit (dBm)	Compared to Spec. (dB)	Comments
22794.150	1.0	0.0	Vert	PK	1.90E-07	-37.2	-27.0	-10.2	Channel 140, 5500 MHz
22807.170	1.0	0.0	Horz	PK	1.15E-07	-39.4	-27.0	-12.4	Channel 140, 5500 MHz
22400.670	1.0	0.0	Horz	PK	8.70E-08	-40.6	-27.0	-13.6	Channel 120, 5600 MHz
22399.280	1.0	0.0	Vert	PK	8.12E-08	-40.9	-27.0	-13.9	Channel 120, 5600 MHz
22001.240	1.0	0.0	Horz	PK	1.29E-08	-48.9	-27.0	-21.9	Channel 100, 5500 MHz
22001.470	1.0	0.0	Vert	PK	1.21E-08	-49.2	-27.0	-22.2	Channel 100, 5500 MHz
21279.810	1.0	0.0	Vert	PK	8.43E-09	-50.7	-27.0	-23.7	Channel 64, 5320 MHz

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.

MODES OF OPERATION

Channel 52, Low Channel, 5260 MHz.

Channel 64, High Channel, 5320 MHz.

Channel 100, Low Channel, 5500 MHz.

Channel 120, Mid Channel, 5600 MHz.

Channel 140, High Channel, 5700 MHz.

POWER SETTINGS INVESTIGATED

120VAC/60Hz

CONFIGURATIONS INVESTIGATED

PROS0095 - 2

SAMPLE CALCULATIONS

Conducted Emissions: Adjusted Level = Measured Level + Transducer Factor + Cable Attenuation Factor + External Attenuator

TEST EQUIPMENT

Description	Manufacturer	Model	ID	Last Cal.	Interval
LISN	Solar	9252-50-R-24-BNC	LIC	4/26/2011	12 mo
LISN	Solar	9252-50-24-BNC	LIA	6/14/2010	12 mo
Attenuator	Pasternack	6N10W-20	AWC	3/2/2011	12 mo
High Pass Filter	TTE	H97-100K-50-720B	HFP	3/8/2010	24 mo
OC06 Cables	N/A	CE Cables	OCM	4/7/2011	12 mo
Receiver	Rohde & Schwarz	ESCI	ARF	4/1/2011	12 mo

MEASUREMENT BANDWIDTHS

	Frequency Range	Peak Data	Quasi-Peak Data	Average Data
	(MHz)	(kHz)	(kHz)	(kHz)
	0.01 - 0.15	1.0	0.2	0.2
	0.15 - 30.0	10.0	9.0	9.0
	30.0 - 1000	100.0	120.0	120.0
	Above 1000	1000.0	N/A	1000.0

Measurements were made using the bandwidths and detectors specified. No video filter was used.

MEASUREMENT UNCERTAINTY

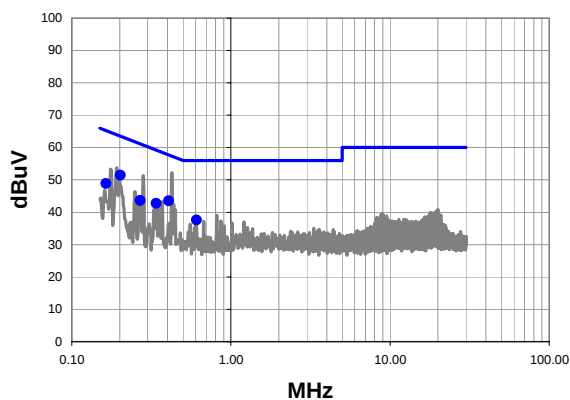
A measurement uncertainty estimation has been performed for each test per our internal quality document WP 342. The estimation is used to compare the measured result with its "true" or theoretically correct value. The expanded measurement uncertainty for radiated emissions measurements is less than +/- 4 dB, and for conducted emissions measurements is less than +/- 2.7 dB. Our measurement data meets or exceeds the measurement uncertainty requirements of CISPR 16-4; therefore, the test data can be compared directly to the specification limit to determine compliance. The calculations for measurement uncertainty are available upon request.

TEST DESCRIPTION

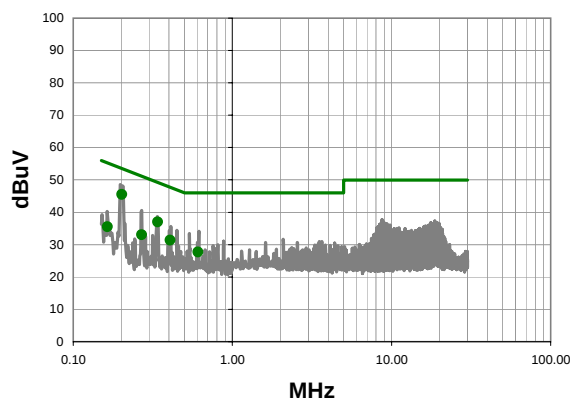
Using the mode of operation and configuration noted within this report, conducted emissions tests were performed. The frequency range investigated (scanned), is also noted in this report. Conducted power line measurements are made, unless otherwise specified, over the frequency range from 150 kHz to 30 MHz to determine the line-to-ground radio-noise voltage that is conducted from the EUT power-input terminals that are directly (or indirectly via separate transformer or power supplies) connected to a public power network. Equipment is tested with power cords that are normally used or that have electrical or shielding characteristics that are the same as those cords normally used. Typically those measurements are made using a LISN (Line Impedance Stabilization Network), the 50ohm measuring port is terminated by a 50ohm EMI meter or a 50ohm resistive load. All 50ohm measuring ports of the LISN are terminated by 50ohm.

Work Order:	PROS0095	Date:	05/06/11		
Project:	None	Temperature:	21.48		
Job Site:	OC06	Humidity:	22.48		
Serial Number:	00-0D-8D-F0-3C-75	Barometric Pres.:	1014.4		
EUT:	RLXIB-IHN				
Configuration:	2				
Customer:	ProSoft Technology, Inc.				
Attendees:	None				
EUT Power:	120VAC/60Hz				
Operating Mode:	Channel 52, Low Channel, 5260 MHz.				
Deviations:	None				
Comments:	Antenna Port A only. Power level set to 14.				
Test Specifications FCC 15.207:2011			Test Method ANSI C63.10:2009		
Run #	1	Line:	High Line	Ext. Attenuation:	20
Results				Pass	

Quasi Peak Data - vs - Quasi Peak Limit



Average Data - vs - Average Limit



Quasi Peak Data - vs - Quasi Peak Limit

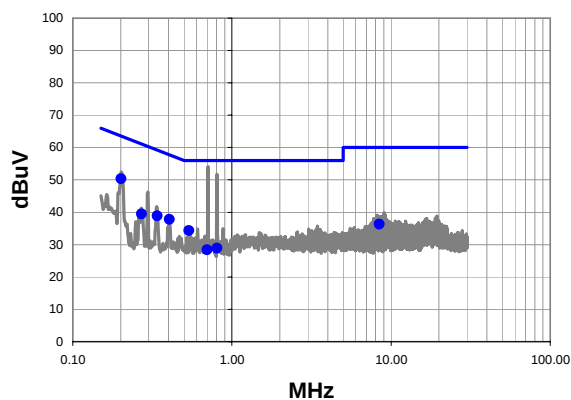
Freq (MHz)	Amplitude (dBuV)	Factor (dB)	Adjusted (dBuV)	Spec. Limit (dBuV)	Compared to Spec. (dB)
0.202	30.2	21.3	51.5	63.5	-12.0
0.406	22.9	20.6	43.5	57.7	-14.2
0.164	27.2	21.7	48.9	65.3	-16.4
0.339	22.0	20.7	42.7	59.2	-16.5
0.269	22.7	20.9	43.6	61.1	-17.5
0.608	17.1	20.5	37.6	56.0	-18.4

Average Data - vs - Average Limit

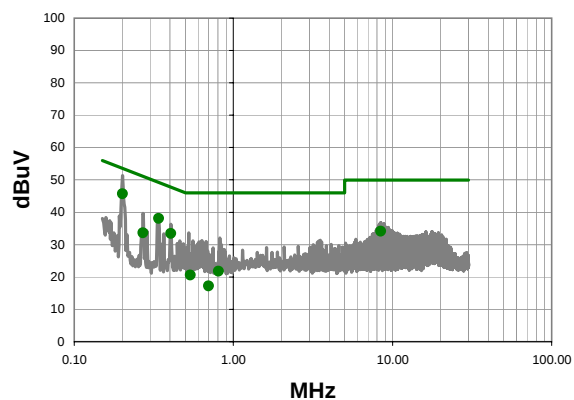
Freq (MHz)	Amplitude (dBuV)	Factor (dB)	Adjusted (dBuV)	Spec. Limit (dBuV)	Compared to Spec. (dB)
0.202	24.2	21.3	45.5	53.5	-8.0
0.339	16.3	20.7	37.0	49.2	-12.2
0.406	10.8	20.6	31.4	47.7	-16.3
0.269	12.1	20.9	33.0	51.1	-18.1
0.608	7.2	20.5	27.7	46.0	-18.3
0.164	13.8	21.7	35.5	55.3	-19.8

Work Order:	PROS0095	Date:	05/06/11				
Project:	None	Temperature:	21.48				
Job Site:	OC06	Humidity:	22.48				
Serial Number:	00-0D-8D-F0-3C-75	Barometric Pres.:	1014.4				
EUT:	RLXIB-IHN						
Configuration:	2						
Customer:	ProSoft Technology, Inc.						
Attendees:	None						
EUT Power:	120VAC/60Hz						
Operating Mode:	Channel 52, Low Channel, 5260 MHz.						
Deviations:	None						
Comments:	Antenna Port A only. Power level set to 14.						
Test Specifications FCC 15.207:2011			Test Method ANSI C63.10:2009				
Run #	2	Line:	Neutral	Ext. Attenuation:	20	Results	Pass

Quasi Peak Data - vs - Quasi Peak Limit



Average Data - vs - Average Limit



Quasi Peak Data - vs - Quasi Peak Limit

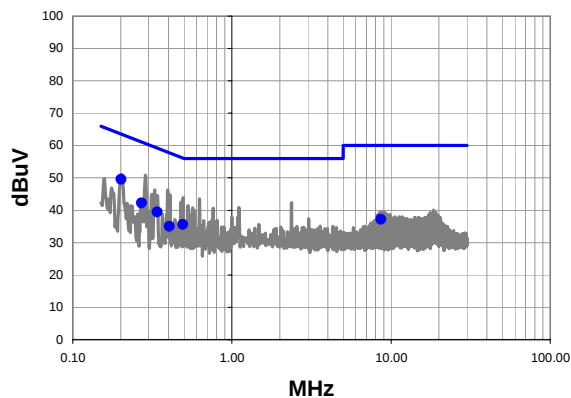
Freq (MHz)	Amplitude (dBuV)	Factor (dB)	Adjusted (dBuV)	Spec. Limit (dBuV)	Compared to Spec. (dB)
0.201	29.1	21.3	50.4	63.6	-13.2
0.405	17.2	20.6	37.8	57.8	-20.0
0.339	18.2	20.7	38.9	59.2	-20.3
0.271	18.6	20.9	39.5	61.1	-21.6
0.536	13.8	20.5	34.3	56.0	-21.7
8.436	15.8	20.5	36.3	60.0	-23.7
0.808	8.4	20.5	28.9	56.0	-27.1
0.700	7.9	20.5	28.4	56.0	-27.6

Average Data - vs - Average Limit

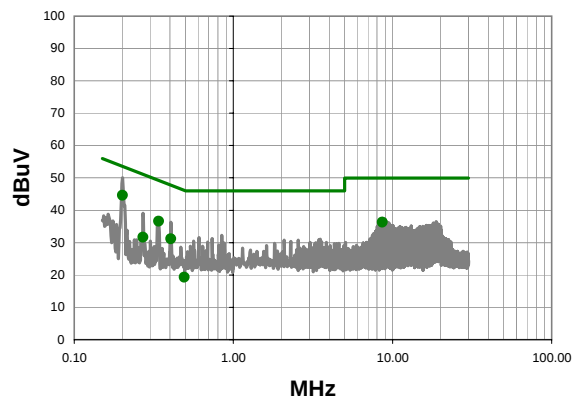
Freq (MHz)	Amplitude (dBuV)	Factor (dB)	Adjusted (dBuV)	Spec. Limit (dBuV)	Compared to Spec. (dB)
0.201	24.4	21.3	45.7	53.6	-7.9
0.339	17.4	20.7	38.1	49.2	-11.1
0.405	12.8	20.6	33.4	47.8	-14.4
8.436	13.6	20.5	34.1	50.0	-15.9
0.271	12.7	20.9	33.6	51.1	-17.5
0.808	1.3	20.5	21.8	46.0	-24.2
0.536	0.1	20.5	20.6	46.0	-25.4
0.700	-3.3	20.5	17.2	46.0	-28.8

Work Order:	PROS0095	Date:	05/06/11		
Project:	None	Temperature:	21.48		
Job Site:	OC06	Humidity:	22.48		
Serial Number:	00-0D-8D-F0-3C-75	Barometric Pres.:	1014.4		
EUT:	RLXIB-IHN				
Configuration:	2				
Customer:	ProSoft Technology, Inc.				
Attendees:	None				
EUT Power:	120VAC/60Hz				
Operating Mode:	Channel 64, High Channel, 5320 MHz.				
Deviations:	None				
Comments:	Antenna Port A only. Power level set to 14.				
Test Specifications FCC 15.207:2011				Test Method ANSI C63.10:2009	
Run #	3	Line:	High Line	Ext. Attenuation:	20
Results				Pass	

Quasi Peak Data - vs - Quasi Peak Limit



Average Data - vs - Average Limit



Quasi Peak Data - vs - Quasi Peak Limit

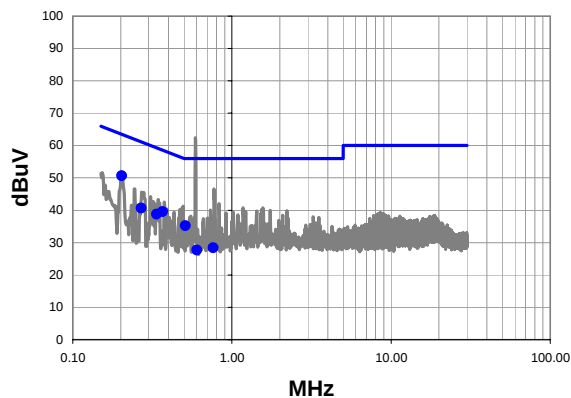
Freq (MHz)	Amplitude (dBuV)	Factor (dB)	Adjusted (dBuV)	Spec. Limit (dBuV)	Compared to Spec. (dB)
0.201	28.3	21.3	49.6	63.6	-14.0
0.271	21.3	20.9	42.2	61.1	-18.9
0.339	18.8	20.7	39.5	59.2	-19.7
0.491	15.1	20.5	35.6	56.2	-20.5
0.405	14.4	20.6	35.0	57.8	-22.8
8.636	16.7	20.5	37.2	60.0	-22.8

Average Data - vs - Average Limit

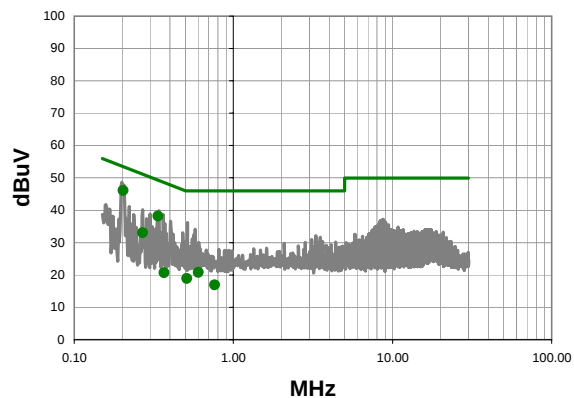
Freq (MHz)	Amplitude (dBuV)	Factor (dB)	Adjusted (dBuV)	Spec. Limit (dBuV)	Compared to Spec. (dB)
0.201	23.3	21.3	44.6	53.6	-9.0
0.339	15.9	20.7	36.6	49.2	-12.6
8.636	15.8	20.5	36.3	50.0	-13.7
0.405	10.6	20.6	31.2	47.8	-16.6
0.271	10.8	20.9	31.7	51.1	-19.4
0.491	-1.3	20.5	19.2	46.2	-26.9

Work Order:	PROS0095	Date:	05/06/11				
Project:	None	Temperature:	21.48				
Job Site:	OC06	Humidity:	22.48				
Serial Number:	00-0D-8D-F0-3C-75	Barometric Pres.:	1014.4				
EUT:	RLXIB-IHN						
Configuration:	2						
Customer:	ProSoft Technology, Inc.						
Attendees:	None						
EUT Power:	120VAC/60Hz						
Operating Mode:	Channel 64, High Channel, 5320 MHz.						
Deviations:	None						
Comments:	Antenna Port A only. Power level set to 14.						
Test Specifications FCC 15.207:2011			Test Method ANSI C63.10:2009				
Run #	4	Line:	Neutral	Ext. Attenuation:	20	Results	Pass

Quasi Peak Data - vs - Quasi Peak Limit



Average Data - vs - Average Limit



Quasi Peak Data - vs - Quasi Peak Limit

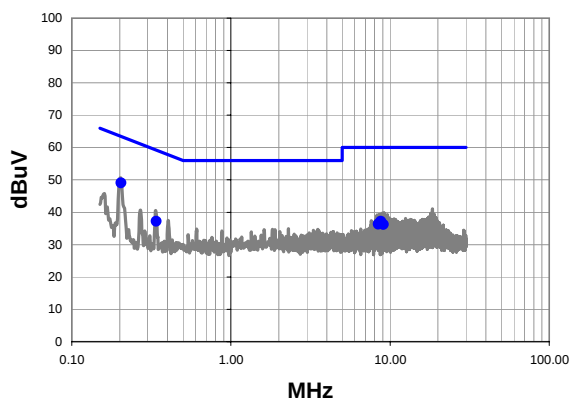
Freq (MHz)	Amplitude (dBuV)	Factor (dB)	Adjusted (dBuV)	Spec. Limit (dBuV)	Compared to Spec. (dB)
0.203	29.4	21.3	50.7	63.5	-12.8
0.367	18.9	20.7	39.6	58.6	-19.0
0.269	19.8	20.9	40.7	61.1	-20.4
0.336	18.1	20.7	38.8	59.3	-20.5
0.510	14.7	20.5	35.2	56.0	-20.8
0.764	7.9	20.5	28.4	56.0	-27.6
0.602	7.2	20.5	27.7	56.0	-28.3

Average Data - vs - Average Limit

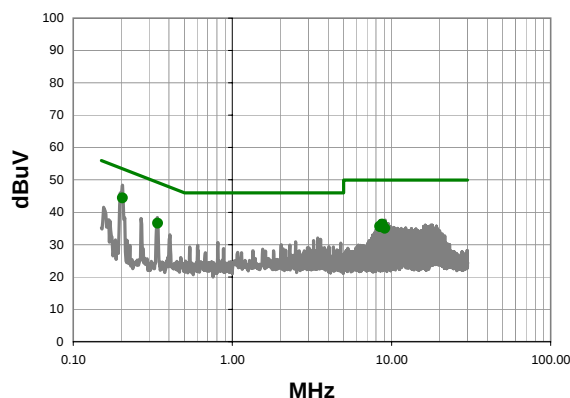
Freq (MHz)	Amplitude (dBuV)	Factor (dB)	Adjusted (dBuV)	Spec. Limit (dBuV)	Compared to Spec. (dB)
0.203	24.8	21.3	46.1	53.5	-7.4
0.336	17.5	20.7	38.2	49.3	-11.1
0.269	12.1	20.9	33.0	51.1	-18.1
0.602	0.3	20.5	20.8	46.0	-25.2
0.510	-1.6	20.5	18.9	46.0	-27.1
0.367	0.0	20.7	20.7	48.6	-27.9
0.764	-3.6	20.5	16.9	46.0	-29.1

Work Order:	PROS0095	Date:	05/06/11				
Project:	None	Temperature:	21.48				
Job Site:	OC06	Humidity:	22.48				
Serial Number:	00-0D-8D-F0-3C-75	Barometric Pres.:	1014.4				
EUT:	RLXIB-IHN						
Configuration:	2						
Customer:	ProSoft Technology, Inc.						
Attendees:	None						
EUT Power:	120VAC/60Hz						
Operating Mode:	Channel 100, Low Channel, 5500 MHz.						
Deviations:	None						
Comments:	Antenna Port A only. Power level set to 14.						
Test Specifications FCC 15.207:2011			Test Method ANSI C63.10:2009				
Run #	5	Line:	High Line	Ext. Attenuation:	20	Results	Pass

Quasi Peak Data - vs - Quasi Peak Limit



Average Data - vs - Average Limit



Quasi Peak Data - vs - Quasi Peak Limit

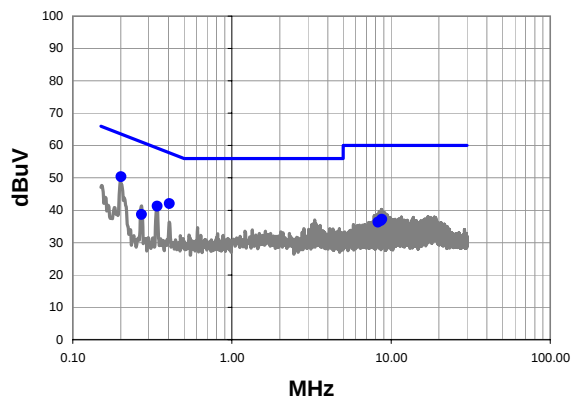
Freq (MHz)	Amplitude (dBuV)	Factor (dB)	Adjusted (dBuV)	Spec. Limit (dBuV)	Compared to Spec. (dB)
0.204	27.8	21.3	49.1	63.4	-14.4
0.339	16.5	20.7	37.2	59.2	-22.0
8.770	16.7	20.5	37.2	60.0	-22.8
8.566	16.0	20.5	36.5	60.0	-23.5
8.434	15.8	20.5	36.3	60.0	-23.7
9.106	15.7	20.5	36.2	60.0	-23.8

Average Data - vs - Average Limit

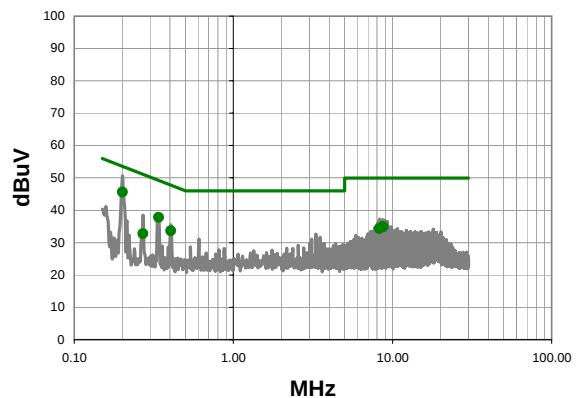
Freq (MHz)	Amplitude (dBuV)	Factor (dB)	Adjusted (dBuV)	Spec. Limit (dBuV)	Compared to Spec. (dB)
0.204	23.2	21.3	44.5	53.4	-9.0
0.339	15.9	20.7	36.6	49.2	-12.6
8.770	15.8	20.5	36.3	50.0	-13.7
8.434	15.1	20.5	35.6	50.0	-14.4
8.566	15.0	20.5	35.5	50.0	-14.5
9.106	14.5	20.5	35.0	50.0	-15.0

Work Order:	PROS0095	Date:	05/06/11		
Project:	None	Temperature:	21.48		
Job Site:	OC06	Humidity:	22.48		
Serial Number:	00-0D-8D-F0-3C-75	Barometric Pres.:	1014.4		
EUT:	RLXIB-IHN				
Configuration:	2				
Customer:	ProSoft Technology, Inc.				
Attendees:	None				
EUT Power:	120VAC/60Hz				
Operating Mode:	Channel 100, Low Channel, 5500 MHz.				
Deviations:	None				
Comments:	Antenna Port A only. Power level set to 14.				
Test Specifications FCC 15.207:2011			Test Method ANSI C63.10:2009		
Run #	6	Line:	Neutral	Ext. Attenuation: 20	Results Pass

Quasi Peak Data - vs - Quasi Peak Limit



Average Data - vs - Average Limit



Quasi Peak Data - vs - Quasi Peak Limit

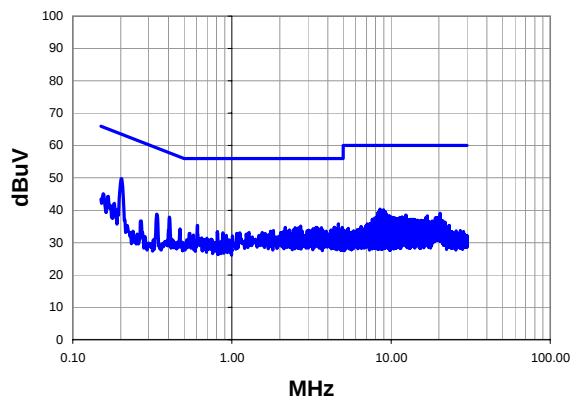
Freq (MHz)	Amplitude (dBuV)	Factor (dB)	Adjusted (dBuV)	Spec. Limit (dBuV)	Compared to Spec. (dB)
0.201	29.1	21.3	50.4	63.6	-13.2
0.405	21.4	20.6	42.0	57.8	-15.8
0.339	20.5	20.7	41.2	59.2	-18.0
0.271	17.8	20.9	38.7	61.1	-22.4
8.770	16.7	20.5	37.2	60.0	-22.8
8.636	16.3	20.5	36.8	60.0	-23.2
8.296	15.8	20.5	36.3	60.0	-23.7

Average Data - vs - Average Limit

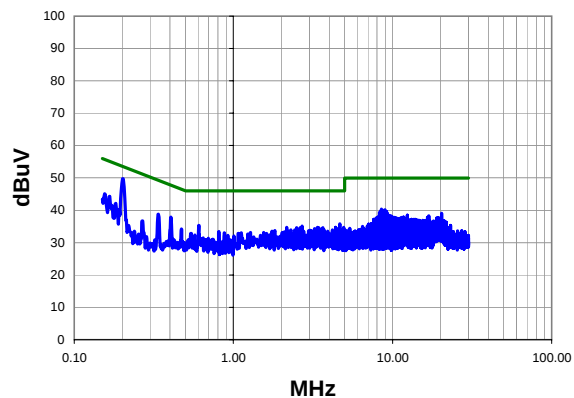
Freq (MHz)	Amplitude (dBuV)	Factor (dB)	Adjusted (dBuV)	Spec. Limit (dBuV)	Compared to Spec. (dB)
0.201	24.3	21.3	45.6	53.6	-8.0
0.339	17.1	20.7	37.8	49.2	-11.4
0.405	13.0	20.6	33.6	47.8	-14.2
8.770	14.4	20.5	34.9	50.0	-15.1
8.636	14.3	20.5	34.8	50.0	-15.2
8.296	13.8	20.5	34.3	50.0	-15.7
0.271	11.8	20.9	32.7	51.1	-18.4

Work Order:	PROS0095	Date:	05/06/11				
Project:	None	Temperature:	21.48				
Job Site:	OC06	Humidity:	22.48				
Serial Number:	00-0D-8D-F0-3C-75	Barometric Pres.:	1014.4				
EUT:	RLXIB-IHN						
Configuration:	2						
Customer:	ProSoft Technology, Inc.						
Attendees:	None						
EUT Power:	120VAC/60Hz						
Operating Mode:	Channel 120, Mid Channel, 5600 MHz.						
Deviations:	None						
Comments:	Antenna Port A only. Power level set to 14.						
Test Specifications FCC 15.207:2011				Test Method ANSI C63.10:2009			
Run #	7	Line:	High Line	Ext. Attenuation:	20	Results	Pass

Peak Data - vs - Quasi Peak Limit



Peak Data - vs - Average Limit



Peak Data - vs - Quasi Peak Limit

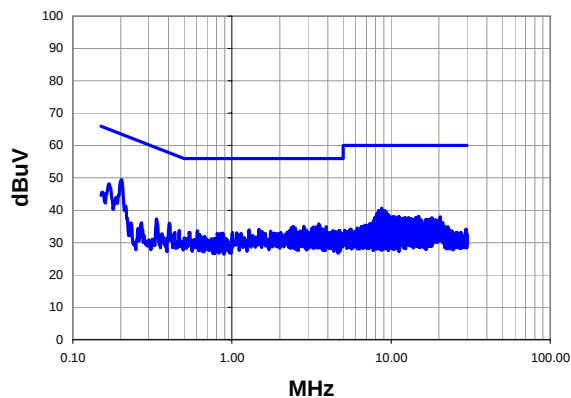
Freq (MHz)	Amplitude (dBuV)	Factor (dB)	Adjusted (dBuV)	Spec. Limit (dBuV)	Compared to Spec. (dB)
0.201	28.5	21.3	49.8	63.6	-13.8
8.500	19.9	20.5	40.4	60.0	-19.6
8.980	19.7	20.5	40.2	60.0	-19.8
0.405	17.3	20.6	37.9	57.8	-19.9
8.700	19.5	20.5	40.0	60.0	-20.0
4.656	15.3	20.5	35.8	56.0	-20.2
9.040	19.2	20.5	39.7	60.0	-20.3
8.430	19.1	20.5	39.6	60.0	-20.4
8.840	19.1	20.5	39.6	60.0	-20.4
0.337	18.1	20.7	38.8	59.3	-20.5
9.180	19.0	20.5	39.5	60.0	-20.5
8.640	19.0	20.5	39.5	60.0	-20.5
0.155	23.4	21.7	45.1	65.7	-20.6
8.300	18.9	20.5	39.4	60.0	-20.6
8.570	18.9	20.5	39.4	60.0	-20.6
8.770	18.9	20.5	39.4	60.0	-20.6
0.606	14.8	20.5	35.3	56.0	-20.7
0.167	22.7	21.6	44.3	65.1	-20.8
2.696	14.6	20.5	35.1	56.0	-20.9
8.910	18.6	20.5	39.1	60.0	-20.9

Peak Data - vs - Average Limit

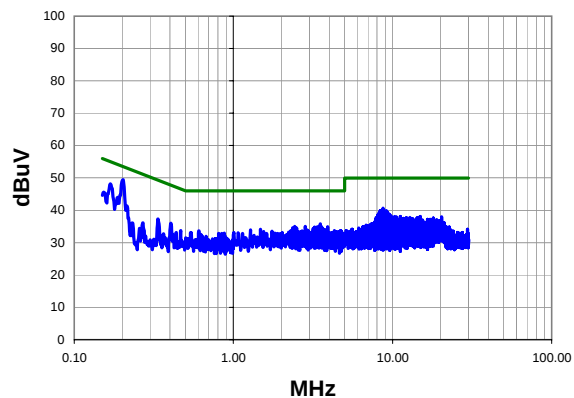
Freq (MHz)	Amplitude (dBuV)	Factor (dB)	Adjusted (dBuV)	Spec. Limit (dBuV)	Compared to Spec. (dB)
0.201	28.5	21.3	49.8	53.6	-3.8
8.500	19.9	20.5	40.4	50.0	-9.6
8.980	19.7	20.5	40.2	50.0	-9.8
0.405	17.3	20.6	37.9	47.8	-9.9
8.700	19.5	20.5	40.0	50.0	-10.0
4.656	15.3	20.5	35.8	46.0	-10.2
9.040	19.2	20.5	39.7	50.0	-10.3
8.430	19.1	20.5	39.6	50.0	-10.4
8.840	19.1	20.5	39.6	50.0	-10.4
0.337	18.1	20.7	38.8	49.3	-10.5
9.180	19.0	20.5	39.5	50.0	-10.5
8.640	19.0	20.5	39.5	50.0	-10.5
0.155	23.4	21.7	45.1	55.7	-10.6
8.300	18.9	20.5	39.4	50.0	-10.6
8.570	18.9	20.5	39.4	50.0	-10.6
8.770	18.9	20.5	39.4	50.0	-10.6
0.606	14.8	20.5	35.3	46.0	-10.7
0.167	22.7	21.6	44.3	55.1	-10.8
2.696	14.6	20.5	35.1	46.0	-10.9
8.910	18.6	20.5	39.1	50.0	-10.9

Work Order:	PROS0095	Date:	05/06/11				
Project:	None	Temperature:	21.48				
Job Site:	OC06	Humidity:	22.48				
Serial Number:	00-0D-8D-F0-3C-75	Barometric Pres.:	1014.4				
EUT:	RLXIB-IHN						
Configuration:	2						
Customer:	ProSoft Technology, Inc.						
Attendees:	None						
EUT Power:	120VAC/60Hz						
Operating Mode:	Channel 120, Mid Channel, 5600 MHz.						
Deviations:	None						
Comments:	Antenna Port A only. Power level set to 14.						
Test Specifications			Test Method				
FCC 15.207:2011			ANSI C63.10:2009				
Run #	8	Line:	Neutral	Ext. Attenuation:	20	Results	Pass

Peak Data - vs - Quasi Peak Limit



Peak Data - vs - Average Limit



Peak Data - vs - Quasi Peak Limit

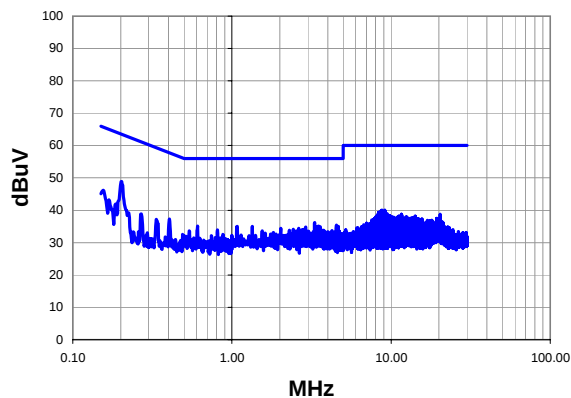
Freq (MHz)	Amplitude (dBuV)	Factor (dB)	Adjusted (dBuV)	Spec. Limit (dBuV)	Compared to Spec. (dB)
0.203	28.2	21.3	49.5	63.5	-14.0
0.169	26.6	21.6	48.2	65.0	-16.8
8.700	20.2	20.5	40.7	60.0	-19.3
8.770	19.6	20.5	40.1	60.0	-19.9
8.370	19.4	20.5	39.9	60.0	-20.1
8.910	19.4	20.5	39.9	60.0	-20.1
3.512	15.3	20.5	35.8	56.0	-20.2
0.153	23.8	21.8	45.6	65.8	-20.2
9.180	19.2	20.5	39.7	60.0	-20.3
8.500	19.2	20.5	39.7	60.0	-20.3
9.040	19.1	20.5	39.6	60.0	-20.4
8.980	19.1	20.5	39.6	60.0	-20.4
9.250	18.9	20.5	39.4	60.0	-20.6
8.570	18.9	20.5	39.4	60.0	-20.6
8.630	18.9	20.5	39.4	60.0	-20.6
9.110	18.8	20.5	39.3	60.0	-20.7
8.230	18.8	20.5	39.3	60.0	-20.7
8.300	18.8	20.5	39.3	60.0	-20.7
8.840	18.8	20.5	39.3	60.0	-20.7
9.310	18.7	20.5	39.2	60.0	-20.8

Peak Data - vs - Average Limit

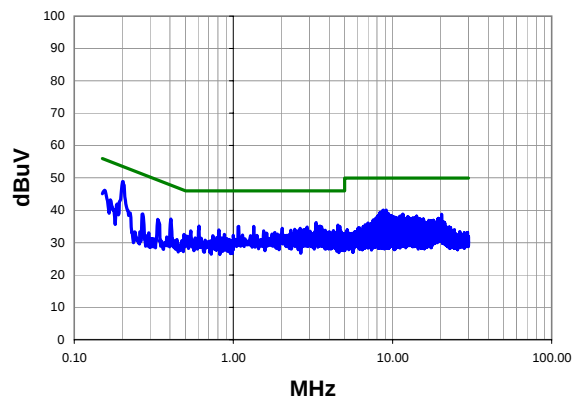
Freq (MHz)	Amplitude (dBuV)	Factor (dB)	Adjusted (dBuV)	Spec. Limit (dBuV)	Compared to Spec. (dB)
0.203	28.2	21.3	49.5	53.5	-4.0
0.169	26.6	21.6	48.2	55.0	-6.8
8.700	20.2	20.5	40.7	50.0	-9.3
8.770	19.6	20.5	40.1	50.0	-9.9
8.370	19.4	20.5	39.9	50.0	-10.1
8.910	19.4	20.5	39.9	50.0	-10.1
3.512	15.3	20.5	35.8	46.0	-10.2
0.153	23.8	21.8	45.6	55.8	-10.2
9.180	19.2	20.5	39.7	50.0	-10.3
8.500	19.2	20.5	39.7	50.0	-10.3
9.040	19.1	20.5	39.6	50.0	-10.4
8.980	19.1	20.5	39.6	50.0	-10.4
9.250	18.9	20.5	39.4	50.0	-10.6
8.570	18.9	20.5	39.4	50.0	-10.6
8.630	18.9	20.5	39.4	50.0	-10.6
9.110	18.8	20.5	39.3	50.0	-10.7
8.230	18.8	20.5	39.3	50.0	-10.7
8.300	18.8	20.5	39.3	50.0	-10.7
8.840	18.8	20.5	39.3	50.0	-10.7
9.310	18.7	20.5	39.2	50.0	-10.8

Work Order:	PROS0095	Date:	05/06/11				
Project:	None	Temperature:	21.48				
Job Site:	OC06	Humidity:	22.48				
Serial Number:	00-0D-8D-F0-3C-75	Barometric Pres.:	1014.4				
			Tested by:	Jaemi Suh			
EUT:	RLXIB-IHN						
Configuration:	2						
Customer:	ProSoft Technology, Inc.						
Attendees:	None						
EUT Power:	120VAC/60Hz						
Operating Mode:	Channel 140, High Channel, 5700 MHz.						
Deviations:	None						
Comments:	Antenna Port A only. Power level set to 14.						
Test Specifications FCC 15.207:2011			Test Method ANSI C63.10:2009				
Run #	9	Line:	High Line	Ext. Attenuation:	20	Results	Pass

Peak Data - vs - Quasi Peak Limit



Peak Data - vs - Average Limit



Peak Data - vs - Quasi Peak Limit

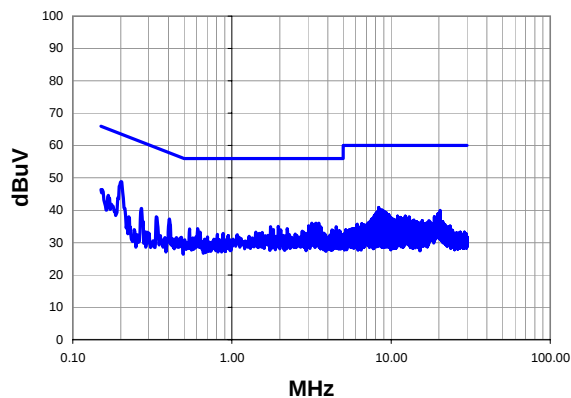
Freq (MHz)	Amplitude (dBuV)	Factor (dB)	Adjusted (dBuV)	Spec. Limit (dBuV)	Compared to Spec. (dB)
0.201	27.6	21.3	48.9	63.6	-14.7
0.155	24.4	21.7	46.1	65.7	-19.6
3.312	15.7	20.5	36.2	56.0	-19.8
9.110	19.6	20.5	40.1	60.0	-19.9
8.770	19.6	20.5	40.1	60.0	-19.9
8.630	19.3	20.5	39.8	60.0	-20.2
8.840	19.1	20.5	39.6	60.0	-20.4
0.405	16.7	20.6	37.3	57.8	-20.5
9.180	19.0	20.5	39.5	60.0	-20.5
8.910	19.0	20.5	39.5	60.0	-20.5
4.528	14.9	20.5	35.4	56.0	-20.6
8.360	18.9	20.5	39.4	60.0	-20.6
8.700	18.9	20.5	39.4	60.0	-20.6
8.500	18.8	20.5	39.3	60.0	-20.7
8.570	18.8	20.5	39.3	60.0	-20.7
8.970	18.8	20.5	39.3	60.0	-20.7
9.040	18.7	20.5	39.2	60.0	-20.8
0.607	14.6	20.5	35.1	56.0	-20.9
3.504	14.6	20.5	35.1	56.0	-20.9
1.080	14.5	20.5	35.0	56.0	-21.0

Peak Data - vs - Average Limit

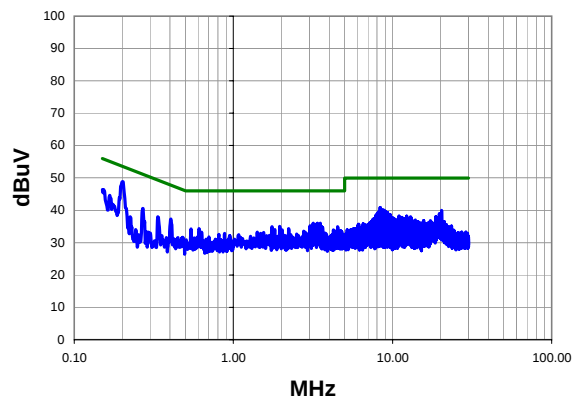
Freq (MHz)	Amplitude (dBuV)	Factor (dB)	Adjusted (dBuV)	Spec. Limit (dBuV)	Compared to Spec. (dB)
0.201	27.6	21.3	48.9	53.6	-4.7
0.155	24.4	21.7	46.1	55.7	-9.6
3.312	15.7	20.5	36.2	46.0	-9.8
9.110	19.6	20.5	40.1	50.0	-9.9
8.770	19.6	20.5	40.1	50.0	-9.9
8.630	19.3	20.5	39.8	50.0	-10.2
8.840	19.1	20.5	39.6	50.0	-10.4
0.405	16.7	20.6	37.3	47.8	-10.5
9.180	19.0	20.5	39.5	50.0	-10.5
8.910	19.0	20.5	39.5	50.0	-10.5
4.528	14.9	20.5	35.4	46.0	-10.6
8.360	18.9	20.5	39.4	50.0	-10.6
8.700	18.9	20.5	39.4	50.0	-10.6
8.500	18.8	20.5	39.3	50.0	-10.7
8.570	18.8	20.5	39.3	50.0	-10.7
8.970	18.8	20.5	39.3	50.0	-10.7
9.040	18.7	20.5	39.2	50.0	-10.8
0.607	14.6	20.5	35.1	46.0	-10.9
3.504	14.6	20.5	35.1	46.0	-10.9
1.080	14.5	20.5	35.0	46.0	-11.0

Work Order:	PROS0095	Date:	05/06/11		
Project:	None	Temperature:	21.48		
Job Site:	OC06	Humidity:	22.48		
Serial Number:	00-0D-8D-F0-3C-75	Barometric Pres.:	1014.4	Tested by: Jaemi Suh	
EUT:	RLXIB-IHN				
Configuration:	2				
Customer:	ProSoft Technology, Inc.				
Attendees:	None				
EUT Power:	120VAC/60Hz				
Operating Mode:	Channel 140, High Channel, 5700 MHz.				
Deviations:	None				
Comments:	Antenna Port A only. Power level set to 14.				
Test Specifications FCC 15.207:2011			Test Method ANSI C63.10:2009		
Run #	10	Line:	Neutral	Ext. Attenuation: 20	Results Pass

Peak Data - vs - Quasi Peak Limit



Peak Data - vs - Average Limit



Peak Data - vs - Quasi Peak Limit

Freq (MHz)	Amplitude (dBuV)	Factor (dB)	Adjusted (dBuV)	Spec. Limit (dBuV)	Compared to Spec. (dB)
0.201	27.6	21.3	48.9	63.6	-14.7
8.360	20.4	20.5	40.9	60.0	-19.1
0.150	24.6	21.8	46.4	66.0	-19.6
8.500	19.7	20.5	40.2	60.0	-19.8
8.700	19.7	20.5	40.2	60.0	-19.8
3.176	15.5	20.5	36.0	56.0	-20.0
3.376	15.5	20.5	36.0	56.0	-20.0
3.512	15.5	20.5	36.0	56.0	-20.0
8.840	19.5	20.5	40.0	60.0	-20.0
20.380	19.1	20.9	40.0	60.0	-20.0
8.430	19.4	20.5	39.9	60.0	-20.1
8.570	19.3	20.5	39.8	60.0	-20.2
9.040	19.2	20.5	39.7	60.0	-20.3
3.312	15.2	20.5	35.7	56.0	-20.3
8.160	19.1	20.5	39.6	60.0	-20.4
0.405	16.7	20.6	37.3	57.8	-20.5
0.167	23.0	21.6	44.6	65.1	-20.5
3.440	15.0	20.5	35.5	56.0	-20.5
0.269	19.7	20.9	40.6	61.1	-20.5
9.310	18.7	20.5	39.2	60.0	-20.8

Peak Data - vs - Average Limit

Freq (MHz)	Amplitude (dBuV)	Factor (dB)	Adjusted (dBuV)	Spec. Limit (dBuV)	Compared to Spec. (dB)
0.201	27.6	21.3	48.9	53.6	-4.7
8.360	20.4	20.5	40.9	50.0	-9.1
0.150	24.6	21.8	46.4	56.0	-9.6
8.500	19.7	20.5	40.2	50.0	-9.8
8.700	19.7	20.5	40.2	50.0	-9.8
3.176	15.5	20.5	36.0	46.0	-10.0
3.376	15.5	20.5	36.0	46.0	-10.0
3.512	15.5	20.5	36.0	46.0	-10.0
8.840	19.5	20.5	40.0	50.0	-10.0
20.380	19.1	20.9	40.0	50.0	-10.0
8.430	19.4	20.5	39.9	50.0	-10.1
8.570	19.3	20.5	39.8	50.0	-10.2
9.040	19.2	20.5	39.7	50.0	-10.3
3.312	15.2	20.5	35.7	46.0	-10.3
8.160	19.1	20.5	39.6	50.0	-10.4
0.405	16.7	20.6	37.3	47.8	-10.5
0.167	23.0	21.6	44.6	55.1	-10.5
3.440	15.0	20.5	35.5	46.0	-10.5
0.269	19.7	20.9	40.6	51.1	-10.5
9.310	18.7	20.5	39.2	50.0	-10.8